Basis `flavio` (EFT `WET`)

Basis used by the flavio package. Neutrinos are in the flavour basis.

Sectors

The effective Lagrangian is defined as

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

`sbsb`

WC name	Operator	Type
`CVLL_bsbs`	$(\bar{s}_L \gamma^\mu b_L)(\bar{s}_L \gamma_\mu b_L)$	C
`CVRR_bsbs`	$(\bar{s}_R \gamma^\mu b_R)(\bar{s}_R \gamma_\mu b_R)$	C
`CSLL_bsbs`	$(\bar{s}_R b_L)(\bar{s}_R b_L)$	C
`CSRR_bsbs`	$(\bar{s}_L b_R)(\bar{s}_L b_R)$	C
`CTLL_bsbs`	$(\bar{s}_R \sigma^{\mu\nu} b_L)(\bar{s}_R \sigma_{\mu\nu} b_L)$	C
`CTRR_bsbs`	$(\bar{s}_L \sigma^{\mu\nu} b_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C
`CVLR_bsbs`	$(\bar{s}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu b_R)$	C
`CSLR_bsbs`	$(\bar{s}_R b_L)(\bar{s}_L b_R)$	C

`dbdb`

WC name	Operator	Type
`CVLL_bdbd`	$(\bar{d}_L \gamma^\mu b_L)(\bar{d}_L \gamma_\mu b_L)$	C
`CVRR_bdbd`	$(\bar{d}_R \gamma^\mu b_R)(\bar{d}_R \gamma_\mu b_R)$	C
`CSLL_bdbd`	$(\bar{d}_R b_L)(\bar{d}_R b_L)$	C
`CSRR_bdbd`	$(\bar{d}_L b_R)(\bar{d}_L b_R)$	C
`CTLL_bdbd`	$(\bar{d}_R \sigma^{\mu\nu} b_L)(\bar{d}_R \sigma_{\mu\nu} b_L)$	C
`CTRR_bdbd`	$(\bar{d}_L \sigma^{\mu\nu} b_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C
`CVLR_bdbd`	$(\bar{d}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu b_R)$	C
`CSLR_bdbd`	$(\bar{d}_R b_L)(\bar{d}_L b_R)$	C

`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

WC name	Operator	Type
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

sb

WC name	Operator	Type
C9_bsee	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{e} \gamma_\mu e)$	C
C9p_bsee	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{e} \gamma_\mu e)$	C
C10_bsee	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{e} \gamma_\mu \gamma_5 e)$	C
C10p_bsee	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{e} \gamma_\mu \gamma_5 e)$	C
CS_bsee	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{e} e)$	C
CSp_bsee	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{e} e)$	C
CP_bsee	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{e} \gamma_5 e)$	C
CPp_bsee	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{e} \gamma_5 e)$	C
C9_bsmumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\mu} \gamma_\mu \mu)$	C
C9p_bsmumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\mu} \gamma_\mu \mu)$	C
C10_bsmumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\mu} \gamma_\mu \gamma_5 \mu)$	C
C10p_bsmumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\mu} \gamma_\mu \gamma_5 \mu)$	C
CS_bsmumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\mu} \mu)$	C
CSp_bsmumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\mu} \mu)$	C
CP_bsmumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\mu} \gamma_5 \mu)$	C

WC name	Operator	Type
CPp_bsmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\mu}\gamma_5 \mu)$	C
C9_bstautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu \tau)$	C
C9p_bstautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu \tau)$	C
C10_bstautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu \gamma_5 \tau)$	C
C10p_bstautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu \gamma_5 \tau)$	C
CS_bstautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\tau}\tau)$	C
CSp_bstautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\tau}\tau)$	C
CP_bstautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\tau}\gamma_5 \tau)$	C
CPp_bstautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\tau}\gamma_5 \tau)$	C
C7_bs	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e}{16\pi^2} m_b (\bar{s}_L \sigma^{\mu\nu} b_R) F_{\mu\nu}$	C
C7p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e}{16\pi^2} m_b (\bar{s}_R \sigma^{\mu\nu} b_L) F_{\mu\nu}$	C
C8_bs	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{g_s}{16\pi^2} m_b (\bar{s}_L \sigma^{\mu\nu} T^a b_R) G^a_{\mu\nu}$	C
C8p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{g_s}{16\pi^2} m_b (\bar{s}_R \sigma^{\mu\nu} T^a b_L) G^a_{\mu\nu}$	C
CVLL_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \gamma^\mu b_L)(\bar{b}_L \gamma_\mu b_L)$	C
CVLR_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu b_R)$	C
CVRL_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \gamma^\mu b_R)(\bar{b}_L \gamma_\mu b_L)$	C
CVRR_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \gamma^\mu b_R)(\bar{b}_R \gamma_\mu b_R)$	C
CSLL_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R b_L)(\bar{b}_R b_L)$	C
CSLR_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R b_L)(\bar{b}_L b_R)$	C
CSRL_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L b_R)(\bar{b}_R b_L)$	C
CSRR_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L b_R)(\bar{b}_L b_R)$	C
CTLL_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \sigma^{\mu\nu} b_L)(\bar{b}_R \sigma_{\mu\nu} b_L)$	C
CTRR_bsbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \sigma^{\mu\nu} b_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
CVLL_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \gamma^\mu b_L)(\bar{s}_L \gamma_\mu s_L)$	C
CVLR_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu s_R)$	C
CVRL_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \gamma^\mu b_R)(\bar{s}_L \gamma_\mu s_L)$	C
CVRR_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \gamma^\mu b_R)(\bar{s}_R \gamma_\mu s_R)$	C
CSLL_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R b_L)(\bar{s}_R s_L)$	C
CSLR_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R b_L)(\bar{s}_L s_R)$	C
CSRL_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L b_R)(\bar{s}_R s_L)$	C
CSRR_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L b_R)(\bar{s}_L s_R)$	C
CTLL_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \sigma^{\mu\nu} b_L)(\bar{s}_R \sigma_{\mu\nu} s_L)$	C
CTRR_bsss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \sigma^{\mu\nu} b_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CVLL_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \gamma^\mu b_L)(\bar{d}_L \gamma_\mu d_L)$	C
CVLR_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu d_R)$	C
CVRL_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \gamma^\mu b_R)(\bar{d}_L \gamma_\mu d_L)$	C

WC name	Operator	Type
CVRR_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R\gamma^\mu b_R)(\bar{d}_R\gamma_\mu d_R)$	C
CSLL_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R b_L)(\bar{d}_R d_L)$	C
CSLR_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R b_L)(\bar{d}_L d_R)$	C
CSRL_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L b_R)(\bar{d}_R d_L)$	C
CSRR_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L b_R)(\bar{d}_L d_R)$	C
CTLL_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R\sigma^{\mu\nu} b_L)(\bar{d}_R\sigma_{\mu\nu} d_L)$	C
CTRR_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L\sigma^{\mu\nu} b_R)(\bar{d}_L\sigma_{\mu\nu} d_R)$	C
CVLLt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha\gamma^\mu b_L^\beta)(\bar{d}_L^\beta\gamma_\mu d_L^\alpha)$	C
CVLRt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha\gamma^\mu b_L^\beta)(\bar{d}_R^\beta\gamma_\mu d_R^\alpha)$	C
CVRLt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha\gamma^\mu b_R^\beta)(\bar{d}_L^\beta\gamma_\mu d_L^\alpha)$	C
CVRRt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha\gamma^\mu b_R^\beta)(\bar{d}_R^\beta\gamma_\mu d_R^\alpha)$	C
CSLLt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha b_L^\beta)(\bar{d}_R^\beta d_L^\alpha)$	C
CSLRt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha b_L^\beta)(\bar{d}_L^\beta d_R^\alpha)$	C
CSRLt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha b_R^\beta)(\bar{d}_R^\beta d_L^\alpha)$	C
CSRRt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha b_R^\beta)(\bar{d}_L^\beta d_R^\alpha)$	C
CTLLt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha\sigma^{\mu\nu} b_L^\beta)(\bar{d}_R^\beta\sigma_{\mu\nu} d_L^\alpha)$	C
CTRRt_bsdd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha\sigma^{\mu\nu} b_R^\beta)(\bar{d}_L^\beta\sigma_{\mu\nu} d_R^\alpha)$	C
CVLL_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu b_L)(\bar{u}_L\gamma_\mu u_L)$	C
CVLR_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu b_L)(\bar{u}_R\gamma_\mu u_R)$	C
CVRL_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R\gamma^\mu b_R)(\bar{u}_L\gamma_\mu u_L)$	C
CVRR_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R\gamma^\mu b_R)(\bar{u}_R\gamma_\mu u_R)$	C
CSLL_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R b_L)(\bar{u}_R u_L)$	C
CSLR_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R b_L)(\bar{u}_L u_R)$	C
CSRL_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L b_R)(\bar{u}_R u_L)$	C
CSRR_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L b_R)(\bar{u}_L u_R)$	C
CTLL_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R\sigma^{\mu\nu} b_L)(\bar{u}_R\sigma_{\mu\nu} u_L)$	C
CTRR_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L\sigma^{\mu\nu} b_R)(\bar{u}_L\sigma_{\mu\nu} u_R)$	C
CVLLt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha\gamma^\mu b_L^\beta)(\bar{u}_L^\beta\gamma_\mu u_L^\alpha)$	C
CVLRt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha\gamma^\mu b_L^\beta)(\bar{u}_R^\beta\gamma_\mu u_R^\alpha)$	C
CVRLt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha\gamma^\mu b_R^\beta)(\bar{u}_L^\beta\gamma_\mu u_L^\alpha)$	C
CVRRt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha\gamma^\mu b_R^\beta)(\bar{u}_R^\beta\gamma_\mu u_R^\alpha)$	C
CSLLt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha b_L^\beta)(\bar{u}_R^\beta u_L^\alpha)$	C
CSLRt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha b_L^\beta)(\bar{u}_L^\beta u_R^\alpha)$	C
CSRLt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha b_R^\beta)(\bar{u}_R^\beta u_L^\alpha)$	C
CSRRt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_L^\alpha b_R^\beta)(\bar{u}_L^\beta u_R^\alpha)$	C
CTLLt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^*(\bar{s}_R^\alpha\sigma^{\mu\nu} b_L^\beta)(\bar{u}_R^\beta\sigma_{\mu\nu} u_L^\alpha)$	C

WC name	Operator	Type
CTRRt_bsuu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L^\alpha \sigma^{\mu\nu} b_R^\beta)(\bar{u}_L^\beta \sigma_{\mu\nu} u_R^\alpha)$	C
CVLL_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \gamma^\mu b_L)(\bar{c}_L \gamma_\mu c_L)$	C
CVLR_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \gamma^\mu b_L)(\bar{c}_R \gamma_\mu c_R)$	C
CVRL_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \gamma^\mu b_R)(\bar{c}_L \gamma_\mu c_L)$	C
CVRR_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \gamma^\mu b_R)(\bar{c}_R \gamma_\mu c_R)$	C
CSLL_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R b_L)(\bar{c}_R c_L)$	C
CSLR_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R b_L)(\bar{c}_L c_R)$	C
CSRL_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L b_R)(\bar{c}_R c_L)$	C
CSRR_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L b_R)(\bar{c}_L c_R)$	C
CTLL_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R \sigma^{\mu\nu} b_L)(\bar{c}_R \sigma_{\mu\nu} c_L)$	C
CTRR_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L \sigma^{\mu\nu} b_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
CVLLt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L^\alpha \gamma^\mu b_L^\beta)(\bar{c}_L^\beta \gamma_\mu c_L^\alpha)$	C
CVLRt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L^\alpha \gamma^\mu b_L^\beta)(\bar{c}_R^\beta \gamma_\mu c_R^\alpha)$	C
CVRLt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R^\alpha \gamma^\mu b_R^\beta)(\bar{c}_L^\beta \gamma_\mu c_L^\alpha)$	C
CVRRt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R^\alpha \gamma^\mu b_R^\beta)(\bar{c}_R^\beta \gamma_\mu c_R^\alpha)$	C
CSLLt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R^\alpha b_L^\beta)(\bar{c}_R^\beta c_L^\alpha)$	C
CSLRt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R^\alpha b_L^\beta)(\bar{c}_L^\beta c_R^\alpha)$	C
CSRLt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L^\alpha b_R^\beta)(\bar{c}_R^\beta c_L^\alpha)$	C
CSRRt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L^\alpha b_R^\beta)(\bar{c}_L^\beta c_R^\alpha)$	C
CTLLt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_R^\alpha \sigma^{\mu\nu} b_L^\beta)(\bar{c}_R^\beta \sigma_{\mu\nu} c_L^\alpha)$	C
CTRRt_bscc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* (\bar{s}_L^\alpha \sigma^{\mu\nu} b_R^\beta)(\bar{c}_L^\beta \sigma_{\mu\nu} c_R^\alpha)$	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

WC name	Operator	Type
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
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	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{g_s}{16\pi^2} m_c (\bar{u}_L \sigma^{\mu\nu} T^a c_R) G^a_{\mu\nu}$	C
C8p_cu	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} \frac{g_s}{16\pi^2} m_c (\bar{u}_R \sigma^{\mu\nu} T^a c_L) G^a_{\mu\nu}$	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

WC name	Operator	Type
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_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L)(\bar{b}_L \gamma_\mu b_L)$	C
CVLR_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \gamma^\mu c_L)(\bar{b}_R \gamma_\mu b_R)$	C
CVRL_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R)(\bar{b}_L \gamma_\mu b_L)$	C
CVRR_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \gamma^\mu c_R)(\bar{b}_R \gamma_\mu b_R)$	C
CSLL_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L)(\bar{b}_R b_L)$	C
CSLR_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R c_L)(\bar{b}_L b_R)$	C
CSRL_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R)(\bar{b}_R b_L)$	C
CSRR_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L c_R)(\bar{b}_L b_R)$	C
CTLL_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R \sigma^{\mu\nu} c_L)(\bar{b}_R \sigma_{\mu\nu} b_L)$	C
CTRR_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L \sigma^{\mu\nu} c_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
CVLLt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \gamma^\mu c_L^\beta)(\bar{b}_L^\beta \gamma_\mu b_L^\alpha)$	C
CVLRt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \gamma^\mu c_L^\beta)(\bar{b}_R^\beta \gamma_\mu b_R^\alpha)$	C
CVRLt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \gamma^\mu c_R^\beta)(\bar{b}_L^\beta \gamma_\mu b_L^\alpha)$	C
CVRRt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \gamma^\mu c_R^\beta)(\bar{b}_R^\beta \gamma_\mu b_R^\alpha)$	C
CSLLt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha c_L^\beta)(\bar{b}_R^\beta b_L^\alpha)$	C
CSLRt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha c_L^\beta)(\bar{b}_L^\beta b_R^\alpha)$	C
CSRLt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha c_R^\beta)(\bar{b}_R^\beta b_L^\alpha)$	C
CSRRt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha c_R^\beta)(\bar{b}_L^\beta b_R^\alpha)$	C
CTLLt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_R^\alpha \sigma^{\mu\nu} c_L^\beta)(\bar{b}_R^\beta \sigma_{\mu\nu} b_L^\alpha)$	C
CTRRt_cubb	$\frac{4G_F}{\sqrt{2}} V_{cb}^* V_{ub} (\bar{u}_L^\alpha \sigma^{\mu\nu} c_R^\beta)(\bar{b}_L^\beta \sigma_{\mu\nu} b_R^\alpha)$	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
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

WC name	Operator	Type
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
CVRR_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

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WC name	Operator	Type
CL_bsnuenue	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\nu}_e \gamma_\mu (1-\gamma_5) \nu_e)$	C
CL_bsnumunumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\nu}_\mu \gamma_\mu (1-\gamma_5) \nu_\mu)$	C
CL_bsnutaunutau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\nu}_\tau \gamma_\mu (1-\gamma_5) \nu_\tau)$	C
CL_bsnuenumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\nu}_\mu \gamma_\mu (1-\gamma_5) \nu_e)$	C
CL_bsnumunue	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\nu}_e \gamma_\mu (1-\gamma_5) \nu_\mu)$	C

WC name	Operator	Type
CL_bsnumunutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CL_bsnutaunumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CL_bsnuenutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_e)$	C
CL_bsnutaunue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CR_bsnuenue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_e)$	C
CR_bsnumunumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CR_bsnutaunutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CR_bsnuenumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_e)$	C
CR_bsnumunue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CR_bsnumunutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CR_bsnutaunumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CR_bsnuenutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_e)$	C
CR_bsnutaunue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_\tau)$	C

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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
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_sdtautau	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu s_L)(\bar{\tau}\gamma_\mu\tau)$	C

WC name	Operator	Type
C9p_sdtautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R)(\bar{\tau} \gamma_\mu \tau)$	C
C10_sdtautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L)(\bar{\tau} \gamma_\mu \gamma_5 \tau)$	C
C10p_sdtautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R)(\bar{\tau} \gamma_\mu \gamma_5 \tau)$	C
CS_sdtautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R)(\bar{\tau} \tau)$	C
CSp_sdtautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L)(\bar{\tau} \tau)$	C
CP_sdtautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R)(\bar{\tau} \gamma_5 \tau)$	C
CPp_sdtautau	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L)(\bar{\tau} \gamma_5 \tau)$	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	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{g_s}{16\pi^2} m_s (\bar{d}_L \sigma^{\mu\nu} T^a s_R) G^a_{\mu\nu}$	C
C8p_sd	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{g_s}{16\pi^2} m_s (\bar{d}_R \sigma^{\mu\nu} T^a s_L) G^a_{\mu\nu}$	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
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	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R)(\bar{d}_L \gamma_\mu d_L)$	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_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L)(\bar{b}_L \gamma_\mu b_L)$	C
CVLR_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu b_R)$	C
CVRL_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R)(\bar{b}_L \gamma_\mu b_L)$	C
CVRR_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R \gamma^\mu s_R)(\bar{b}_R \gamma_\mu b_R)$	C
CSLL_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R s_L)(\bar{b}_R b_L)$	C

WC name	Operator	Type
CSLR_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}_R s_L)(\bar{b}_L b_R)$	C
CSRL_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}_L s_R)(\bar{b}_R b_L)$	C
CSRR_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}_L s_R)(\bar{b}_L b_R)$	C
CTLL_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}_R \sigma^{\mu\nu} s_L)(\bar{b}_R \sigma_{\mu\nu} b_L)$	C
CTRR_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}_L \sigma^{\mu\nu} s_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
CVLLt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L \gamma^\mu s^\beta_L)(\bar{b}^\beta_L \gamma_\mu b^\alpha_L)$	C
CVLRt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L \gamma^\mu s^\beta_L)(\bar{b}^\beta_R \gamma_\mu b^\alpha_R)$	C
CVRLt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R \gamma^\mu s^\beta_R)(\bar{b}^\beta_L \gamma_\mu b^\alpha_L)$	C
CVRRt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R \gamma^\mu s^\beta_R)(\bar{b}^\beta_R \gamma_\mu b^\alpha_R)$	C
CSLLt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R s^\beta_L)(\bar{b}^\beta_R b^\alpha_L)$	C
CSLRt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R s^\beta_L)(\bar{b}^\beta_L b^\alpha_R)$	C
CSRLt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L s^\beta_R)(\bar{b}^\beta_R b^\alpha_L)$	C
CSRRt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L s^\beta_R)(\bar{b}^\beta_L b^\alpha_R)$	C
CTLLt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R \sigma^{\mu\nu} s^\beta_L)(\bar{b}^\beta_R \sigma_{\mu\nu} b^\alpha_L)$	C
CTRRt_sdbb	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L \sigma^{\mu\nu} s^\beta_R)(\bar{b}^\beta_L \sigma_{\mu\nu} b^\alpha_R)$	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	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L \gamma^\mu s^\beta_L)(\bar{u}^\beta_L \gamma_\mu u^\alpha_L)$	C
CVLRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L \gamma^\mu s^\beta_L)(\bar{u}^\beta_R \gamma_\mu u^\alpha_R)$	C
CVRLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R \gamma^\mu s^\beta_R)(\bar{u}^\beta_L \gamma_\mu u^\alpha_L)$	C
CVRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R \gamma^\mu s^\beta_R)(\bar{u}^\beta_R \gamma_\mu u^\alpha_R)$	C
CSLLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R s^\beta_L)(\bar{u}^\beta_R u^\alpha_L)$	C
CSLRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R s^\beta_L)(\bar{u}^\beta_L u^\alpha_R)$	C
CSRLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L s^\beta_R)(\bar{u}^\beta_R u^\alpha_L)$	C
CSRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L s^\beta_R)(\bar{u}^\beta_L u^\alpha_R)$	C
CTLLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_R \sigma^{\mu\nu} s^\beta_L)(\bar{u}^\beta_R \sigma_{\mu\nu} u^\alpha_L)$	C
CTRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts}V_{td}^*(\bar{d}^\alpha_L \sigma^{\mu\nu} s^\beta_R)(\bar{u}^\beta_L \sigma_{\mu\nu} u^\alpha_R)$	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

WC name	Operator	Type
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
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

sdnunu

WC name	Operator	Type
CL_sdnuenue	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L)(\bar{\nu}_e \gamma_\mu (1-\gamma_5) \nu_e)$	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_sdnuenumu	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L)(\bar{\nu}_\mu \gamma_\mu (1-\gamma_5) \nu_e)$	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_sdnuenutau	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu d_L)(\bar{\nu}_\tau \gamma_\mu (1-\gamma_5) \nu_e)$	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_sdnuenue	$\frac{4G_F}{\sqrt{2}} V_{td} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu d_R)(\bar{\nu}_e \gamma_\mu (1-\gamma_5) \nu_e)$	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

WC name	Operator	Type
CR_sdnuenumu	$\frac{4G_F}{\sqrt{2}} V_{td}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu d_R)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_e)$	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_sdnuenutau	$\frac{4G_F}{\sqrt{2}} V_{td}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu d_R)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_e)$	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

db

WC name	Operator	Type
C9_bdee	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{e}\gamma_\mu e)$	C
C9p_bdee	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{e}\gamma_\mu e)$	C
C10_bdee	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{e}\gamma_\mu\gamma_5 e)$	C
C10p_bdee	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{e}\gamma_\mu\gamma_5 e)$	C
CS_bdee	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_L b_R)(\bar{e}e)$	C
CSp_bdee	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_R b_L)(\bar{e}e)$	C
CP_bdee	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_L b_R)(\bar{e}\gamma_5 e)$	C
CPp_bdee	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_R b_L)(\bar{e}\gamma_5 e)$	C
C9_bdmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\mu}\gamma_\mu\mu)$	C
C9p_bdmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\mu}\gamma_\mu\mu)$	C
C10_bdmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\mu}\gamma_\mu\gamma_5\mu)$	C
C10p_bdmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\mu}\gamma_\mu\gamma_5\mu)$	C
CS_bdmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_L b_R)(\bar{\mu}\mu)$	C
CSp_bdmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_R b_L)(\bar{\mu}\mu)$	C
CP_bdmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_L b_R)(\bar{\mu}\gamma_5\mu)$	C
CPp_bdmumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_R b_L)(\bar{\mu}\gamma_5\mu)$	C
C9_bdtautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\tau}\gamma_\mu\tau)$	C
C9p_bdtautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\tau}\gamma_\mu\tau)$	C
C10_bdtautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\tau}\gamma_\mu\gamma_5\tau)$	C
C10p_bdtautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\tau}\gamma_\mu\gamma_5\tau)$	C
CS_bdtautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_L b_R)(\bar{\tau}\tau)$	C
CSp_bdtautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_R b_L)(\bar{\tau}\tau)$	C
CP_bdtautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_L b_R)(\bar{\tau}\gamma_5\tau)$	C
CPp_bdtautau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_R b_L)(\bar{\tau}\gamma_5\tau)$	C

WC name	Operator	Type
C7_bd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e}{16\pi^2} m_b (\bar{d}_L \sigma^{\mu\nu} b_R) F_{\mu\nu}$	C
C7p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e}{16\pi^2} m_b (\bar{d}_R \sigma^{\mu\nu} b_L) F_{\mu\nu}$	C
C8_bd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{g_s}{16\pi^2} m_b (\bar{d}_L \sigma^{\mu\nu} T^a b_R) G^a_{\mu\nu}$	C
C8p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{g_s}{16\pi^2} m_b (\bar{d}_R \sigma^{\mu\nu} T^a b_L) G^a_{\mu\nu}$	C
CVLL_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \gamma^\mu b_L)(\bar{b}_L \gamma_\mu b_L)$	C
CVLR_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu b_R)$	C
CVRL_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \gamma^\mu b_R)(\bar{b}_L \gamma_\mu b_L)$	C
CVRR_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \gamma^\mu b_R)(\bar{b}_R \gamma_\mu b_R)$	C
CSLL_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R b_L)(\bar{b}_R b_L)$	C
CSLR_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R b_L)(\bar{b}_L b_R)$	C
CSRL_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L b_R)(\bar{b}_R b_L)$	C
CSRR_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L b_R)(\bar{b}_L b_R)$	C
CTLL_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \sigma^{\mu\nu} b_L)(\bar{b}_R \sigma_{\mu\nu} b_L)$	C
CTRR_bdbb	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \sigma^{\mu\nu} b_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
CVLL_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \gamma^\mu b_L)(\bar{d}_L \gamma_\mu d_L)$	C
CVLR_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu d_R)$	C
CVRL_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \gamma^\mu b_R)(\bar{d}_L \gamma_\mu d_L)$	C
CVRR_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \gamma^\mu b_R)(\bar{d}_R \gamma_\mu d_R)$	C
CSLL_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R b_L)(\bar{d}_R d_L)$	C
CSLR_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R b_L)(\bar{d}_L d_R)$	C
CSRL_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L b_R)(\bar{d}_R d_L)$	C
CSRR_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L b_R)(\bar{d}_L d_R)$	C
CTLL_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \sigma^{\mu\nu} b_L)(\bar{d}_R \sigma_{\mu\nu} d_L)$	C
CTRR_bddd	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \sigma^{\mu\nu} b_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CVLL_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \gamma^\mu b_L)(\bar{s}_L \gamma_\mu s_L)$	C
CVLR_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu s_R)$	C
CVRL_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \gamma^\mu b_R)(\bar{s}_L \gamma_\mu s_L)$	C
CVRR_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \gamma^\mu b_R)(\bar{s}_R \gamma_\mu s_R)$	C
CSLL_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R b_L)(\bar{s}_R s_L)$	C
CSLR_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R b_L)(\bar{s}_L s_R)$	C
CSRL_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L b_R)(\bar{s}_R s_L)$	C
CSRR_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L b_R)(\bar{s}_L s_R)$	C
CTLL_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R \sigma^{\mu\nu} b_L)(\bar{s}_R \sigma_{\mu\nu} s_L)$	C
CTRR_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L \sigma^{\mu\nu} b_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CVLLt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L^\alpha \gamma^\mu b_L^\beta)(\bar{s}_L^\beta \gamma_\mu s_L^\alpha)$	C
CVLRt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_L^\alpha \gamma^\mu b_L^\beta)(\bar{s}_R^\beta \gamma_\mu s_R^\alpha)$	C
CVRLt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* (\bar{d}_R^\alpha \gamma^\mu b_R^\beta)(\bar{s}_L^\beta \gamma_\mu s_L^\alpha)$	C

WC name	Operator	Type
CVRRt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha \gamma^\mu b_R^\beta)(\bar{s}_R^\beta \gamma_\mu s_R^\alpha)$	C
CSLLt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha b_L^\beta)(\bar{s}_R^\beta s_L^\alpha)$	C
CSLRt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha b_L^\beta)(\bar{s}_L^\beta s_R^\alpha)$	C
CSRLt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha b_R^\beta)(\bar{s}_R^\beta s_L^\alpha)$	C
CSRRt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha b_R^\beta)(\bar{s}_L^\beta s_R^\alpha)$	C
CTLLt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha \sigma^{\mu\nu} b_L^\beta)(\bar{s}_R^\beta \sigma_{\mu\nu} s_L^\alpha)$	C
CTRRt_bdss	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha \sigma^{\mu\nu} b_R^\beta)(\bar{s}_L^\beta \sigma_{\mu\nu} s_R^\alpha)$	C
CVLL_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L \gamma^\mu b_L)(\bar{u}_L \gamma_\mu u_L)$	C
CVLR_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L \gamma^\mu b_L)(\bar{u}_R \gamma_\mu u_R)$	C
CVRL_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R \gamma^\mu b_R)(\bar{u}_L \gamma_\mu u_L)$	C
CVRR_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R \gamma^\mu b_R)(\bar{u}_R \gamma_\mu u_R)$	C
CSLL_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R b_L)(\bar{u}_R u_L)$	C
CSLR_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R b_L)(\bar{u}_L u_R)$	C
CSRL_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L b_R)(\bar{u}_R u_L)$	C
CSRR_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L b_R)(\bar{u}_L u_R)$	C
CTLL_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R \sigma^{\mu\nu} b_L)(\bar{u}_R \sigma_{\mu\nu} u_L)$	C
CTRR_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L \sigma^{\mu\nu} b_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CVLLt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha \gamma^\mu b_L^\beta)(\bar{u}_L^\beta \gamma_\mu u_L^\alpha)$	C
CVLRt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha \gamma^\mu b_L^\beta)(\bar{u}_R^\beta \gamma_\mu u_R^\alpha)$	C
CVRLt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha \gamma^\mu b_R^\beta)(\bar{u}_L^\beta \gamma_\mu u_L^\alpha)$	C
CVRRt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha \gamma^\mu b_R^\beta)(\bar{u}_R^\beta \gamma_\mu u_R^\alpha)$	C
CSLLt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha b_L^\beta)(\bar{u}_R^\beta u_L^\alpha)$	C
CSLRt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha b_L^\beta)(\bar{u}_L^\beta u_R^\alpha)$	C
CSRLt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha b_R^\beta)(\bar{u}_R^\beta u_L^\alpha)$	C
CSRRt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha b_R^\beta)(\bar{u}_L^\beta u_R^\alpha)$	C
CTLLt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha \sigma^{\mu\nu} b_L^\beta)(\bar{u}_R^\beta \sigma_{\mu\nu} u_L^\alpha)$	C
CTRRt_bduu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha \sigma^{\mu\nu} b_R^\beta)(\bar{u}_L^\beta \sigma_{\mu\nu} u_R^\alpha)$	C
CVLL_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L \gamma^\mu b_L)(\bar{c}_L \gamma_\mu c_L)$	C
CVLR_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L \gamma^\mu b_L)(\bar{c}_R \gamma_\mu c_R)$	C
CVRL_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R \gamma^\mu b_R)(\bar{c}_L \gamma_\mu c_L)$	C
CVRR_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R \gamma^\mu b_R)(\bar{c}_R \gamma_\mu c_R)$	C
CSLL_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R b_L)(\bar{c}_R c_L)$	C
CSLR_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R b_L)(\bar{c}_L c_R)$	C
CSRL_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L b_R)(\bar{c}_R c_L)$	C
CSRR_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L b_R)(\bar{c}_L c_R)$	C
CTLL_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R \sigma^{\mu\nu} b_L)(\bar{c}_R \sigma_{\mu\nu} c_L)$	C

WC name	Operator	Type
CTRR_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L\sigma^{\mu\nu}b_R)(\bar{c}_L\sigma_{\mu\nu}c_R)$	C
CVLLt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha\gamma^\mu b_L^\beta)(\bar{c}_L^\beta\gamma_\mu c_L^\alpha)$	C
CVLRt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha\gamma^\mu b_L^\beta)(\bar{c}_R^\beta\gamma_\mu c_R^\alpha)$	C
CVRLt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha\gamma^\mu b_R^\beta)(\bar{c}_L^\beta\gamma_\mu c_L^\alpha)$	C
CVRRt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha\gamma^\mu b_R^\beta)(\bar{c}_R^\beta\gamma_\mu c_R^\alpha)$	C
CSLLt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha b_L^\beta)(\bar{c}_R^\beta c_L^\alpha)$	C
CSLRt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha b_L^\beta)(\bar{c}_L^\beta c_R^\alpha)$	C
CSRLt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha b_R^\beta)(\bar{c}_R^\beta c_L^\alpha)$	C
CSRRt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha b_R^\beta)(\bar{c}_L^\beta c_R^\alpha)$	C
CTLLt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_R^\alpha\sigma^{\mu\nu} b_L^\beta)(\bar{c}_R^\beta\sigma_{\mu\nu}c_L^\alpha)$	C
CTRRt_bdcc	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*(\bar{d}_L^\alpha\sigma^{\mu\nu} b_R^\beta)(\bar{c}_L^\beta\sigma_{\mu\nu}c_R^\alpha)$	C

dbnunu

WC name	Operator	Type
CL_bdnuenue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_e)$	C
CL_bdnumunumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CL_bdnutaunutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CL_bdnuenumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_e)$	C
CL_bdnumunue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CL_bdnumunutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CL_bdnutaunumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CL_bdnuenutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_e)$	C
CL_bdnutaunue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^\mu b_L)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CR_bdnuenue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_e)$	C
CR_bdnumunumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CR_bdnutaunutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CR_bdnuenumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_e)$	C
CR_bdnumunue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CR_bdnumunutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_\mu)$	C
CR_bdnutaunumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_\mu\gamma_\mu(1-\gamma_5)\nu_\tau)$	C
CR_bdnuenutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_\tau\gamma_\mu(1-\gamma_5)\nu_e)$	C
CR_bdnutaunue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^\mu b_R)(\bar{\nu}_e\gamma_\mu(1-\gamma_5)\nu_\tau)$	C

sbmue

WC name	Operator	Type
C9_bsemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\mu}\gamma_\mu e)$	C
C9p_bsemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\mu}\gamma_\mu e)$	C
C10_bsemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\mu}\gamma_\mu\gamma_5 e)$	C
C10p_bsemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\mu}\gamma_\mu\gamma_5 e)$	C
CS_bsemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\mu} e)$	C
CSp_bsemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\mu} e)$	C
CP_bsemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\mu}\gamma_5 e)$	C
CPp_bsemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\mu}\gamma_5 e)$	C

sbemu

WC name	Operator	Type
C9_bsmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{e}\gamma_\mu \mu)$	C
C9p_bsmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{e}\gamma_\mu \mu)$	C
C10_bsmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{e}\gamma_\mu\gamma_5 \mu)$	C
C10p_bsmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{e}\gamma_\mu\gamma_5 \mu)$	C
CS_bsmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{e} \mu)$	C
CSp_bsmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{e} \mu)$	C
CP_bsmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{e}\gamma_5 \mu)$	C
CPp_bsmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{e}\gamma_5 \mu)$	C

sbtaue

WC name	Operator	Type
C9_bsetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu e)$	C
C9p_bsetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu e)$	C
C10_bsetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu\gamma_5 e)$	C
C10p_bsetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu\gamma_5 e)$	C
CS_bsetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\tau} e)$	C
CSp_bsetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\tau} e)$	C
CP_bsetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\tau}\gamma_5 e)$	C
CPp_bsetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\tau}\gamma_5 e)$	C

sbetau

WC name	Operator	Type
C9_bstaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{e}\gamma_\mu \tau)$	C
C9p_bstaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{e}\gamma_\mu \tau)$	C
C10_bstaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{e}\gamma_\mu \gamma_5 \tau)$	C
C10p_bstaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{e}\gamma_\mu \gamma_5 \tau)$	C
CS_bstaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{e}\tau)$	C
CSp_bstaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{e}\tau)$	C
CP_bstaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{e}\gamma_5 \tau)$	C
CPp_bstaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{e}\gamma_5 \tau)$	C

sbtaumu

WC name	Operator	Type
C9_bsmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu \mu)$	C
C9p_bsmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu \mu)$	C
C10_bsmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu \gamma_5 \mu)$	C
C10p_bsmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu \gamma_5 \mu)$	C
CS_bsmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\tau}\mu)$	C
CSp_bsmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\tau}\mu)$	C
CP_bsmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\tau}\gamma_5 \mu)$	C
CPp_bsmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\tau}\gamma_5 \mu)$	C

sbmutau

WC name	Operator	Type
C9_bstaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\mu}\gamma_\mu \tau)$	C
C9p_bstaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\mu}\gamma_\mu \tau)$	C
C10_bstaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L)(\bar{\mu}\gamma_\mu \gamma_5 \tau)$	C
C10p_bstaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R)(\bar{\mu}\gamma_\mu \gamma_5 \tau)$	C
CS_bstaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\mu}\tau)$	C
CSp_bstaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\mu}\tau)$	C
CP_bstaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R)(\bar{\mu}\gamma_5 \tau)$	C
CPp_bstaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L)(\bar{\mu}\gamma_5 \tau)$	C

dbmue

WC name	Operator	Type
C9_bdemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{\mu}\gamma_\mu e)$	C
C9p_bdemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{\mu}\gamma_\mu e)$	C
C10_bdemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{\mu}\gamma_\mu\gamma_5 e)$	C
C10p_bdemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{\mu}\gamma_\mu\gamma_5 e)$	C
CS_bdemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{\mu} e)$	C
CSp_bdemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{\mu} e)$	C
CP_bdemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{\mu}\gamma_5 e)$	C
CPp_bdemu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{\mu}\gamma_5 e)$	C

dbemu

WC name	Operator	Type
C9_bdmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{e}\gamma_\mu \mu)$	C
C9p_bdmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{e}\gamma_\mu \mu)$	C
C10_bdmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{e}\gamma_\mu\gamma_5 \mu)$	C
C10p_bdmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{e}\gamma_\mu\gamma_5 \mu)$	C
CS_bdmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{e} \mu)$	C
CSp_bdmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{e} \mu)$	C
CP_bdmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{e}\gamma_5 \mu)$	C
CPp_bdmue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{e}\gamma_5 \mu)$	C

dbtaue

WC name	Operator	Type
C9_bdetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu e)$	C
C9p_bdetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu e)$	C
C10_bdetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu\gamma_5 e)$	C
C10p_bdetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu\gamma_5 e)$	C
CS_bdetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{\tau} e)$	C
CSp_bdetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{\tau} e)$	C
CP_bdetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{\tau}\gamma_5 e)$	C
CPp_bdetau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{\tau}\gamma_5 e)$	C

dbetau

WC name	Operator	Type
C9_bdtaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{e}\gamma_\mu \tau)$	C
C9p_bdtaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{e}\gamma_\mu \tau)$	C
C10_bdtaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{e}\gamma_\mu \gamma_5 \tau)$	C
C10p_bdtaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{e}\gamma_\mu \gamma_5 \tau)$	C
CS_bdtaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{e}\tau)$	C
CSp_bdtaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{e}\tau)$	C
CP_bdtaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{e}\gamma_5 \tau)$	C
CPp_bdtaue	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{e}\gamma_5 \tau)$	C

dbtaumu

WC name	Operator	Type
C9_bdmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu \mu)$	C
C9p_bdmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu \mu)$	C
C10_bdmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{\tau}\gamma_\mu \gamma_5 \mu)$	C
C10p_bdmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{\tau}\gamma_\mu \gamma_5 \mu)$	C
CS_bdmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{\tau}\mu)$	C
CSp_bdmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{\tau}\mu)$	C
CP_bdmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{\tau}\gamma_5 \mu)$	C
CPp_bdmutau	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{\tau}\gamma_5 \mu)$	C

dbmutau

WC name	Operator	Type
C9_bdtaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{\mu}\gamma_\mu \tau)$	C
C9p_bdtaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{\mu}\gamma_\mu \tau)$	C
C10_bdtaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L)(\bar{\mu}\gamma_\mu \gamma_5 \tau)$	C
C10p_bdtaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R)(\bar{\mu}\gamma_\mu \gamma_5 \tau)$	C
CS_bdtaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{\mu}\tau)$	C
CSp_bdtaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{\mu}\tau)$	C
CP_bdtaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R)(\bar{\mu}\gamma_5 \tau)$	C
CPp_bdtaumu	$\frac{4G_F}{\sqrt{2}} V_{tb}V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L)(\bar{\mu}\gamma_5 \tau)$	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

sdtaue

WC name	Operator	Type
C9_sdtaue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L)(\bar{e}\gamma_\mu \tau)$	C
C9p_sdtaue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R)(\bar{e}\gamma_\mu \tau)$	C
C10_sdtaue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L)(\bar{e}\gamma_\mu \gamma_5 \tau)$	C
C10p_sdtaue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R)(\bar{e}\gamma_\mu \gamma_5 \tau)$	C
CS_sdtaue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R)(\bar{e}\tau)$	C
CSp_sdtaue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L)(\bar{e}\tau)$	C
CP_sdtaue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R)(\bar{e}\gamma_5 \tau)$	C
CPp_sdtaue	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L)(\bar{e}\gamma_5 \tau)$	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

sdtaumu

WC name	Operator	Type
C9_sdtaumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L)(\bar{\mu}\gamma_\mu \tau)$	C
C9p_sdtaumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R)(\bar{\mu}\gamma_\mu \tau)$	C
C10_sdtaumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu s_L)(\bar{\mu}\gamma_\mu \gamma_5 \tau)$	C
C10p_sdtaumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu s_R)(\bar{\mu}\gamma_\mu \gamma_5 \tau)$	C
CS_sdtaumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R)(\bar{\mu}\tau)$	C
CSp_sdtaumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L)(\bar{\mu}\tau)$	C
CP_sdtaumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_L s_R)(\bar{\mu}\gamma_5 \tau)$	C
CPp_sdtaumu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* \frac{e^2}{16\pi^2} m_s (\bar{d}_R s_L)(\bar{\mu}\gamma_5 \tau)$	C

cbenu

WC name	Operator	Type
CVL_bcenue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
CVR_bcenue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
CSR_bcenue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{e}_R\nu_{eL})$	C
CSL_bcenue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{e}_R\nu_{eL})$	C
CT_bcenue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{eL})$	C
CVL_bcenumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{\mu L})$	C
CVR_bcenumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{\mu L})$	C
CSR_bcenumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{e}_R\nu_{\mu L})$	C
CSL_bcenumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{e}_R\nu_{\mu L})$	C
CT_bcenumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{\mu L})$	C
CVL_bcenutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	C
CVR_bcenutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	C
CSR_bcenutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{e}_R\nu_{\tau L})$	C
CSL_bcenutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{e}_R\nu_{\tau L})$	C
CT_bcenutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{\tau L})$	C

ubenu

WC name	Operator	Type
CVL_buenue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
CVR_buenue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
CSR_buenue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{e}_R\nu_{eL})$	C
CSL_buenue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{e}_R\nu_{eL})$	C
CT_buenue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{eL})$	C
CVL_buenumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{\mu L})$	C
CVR_buenumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{\mu L})$	C
CSR_buenumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{e}_R\nu_{\mu L})$	C
CSL_buenumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{e}_R\nu_{\mu L})$	C
CT_buenumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{\mu L})$	C
CVL_buenutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	C
CVR_buenutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	C
CSR_buenutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{e}_R\nu_{\tau L})$	C
CSL_buenutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{e}_R\nu_{\tau L})$	C
CT_buenutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{\tau L})$	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
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
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

cbmunu

WC name	Operator	Type
CVL_bcmunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{eL})$	C
CVR_bcmunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{eL})$	C
CSR_bcmunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{\mu}_R\nu_{eL})$	C
CSL_bcmunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{\mu}_R\nu_{eL})$	C
CT_bcmunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{\mu}_R\sigma_{\mu\nu}\nu_{eL})$	C
CVL_bcmunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
CVR_bcmunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
CSR_bcmunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{\mu}_R\nu_{\mu L})$	C
CSL_bcmunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{\mu}_R\nu_{\mu L})$	C
CT_bcmunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{\mu}_R\sigma_{\mu\nu}\nu_{\mu L})$	C
CVL_bcmunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	C
CVR_bcmunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	C
CSR_bcmunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{\mu}_R\nu_{\tau L})$	C
CSL_bcmunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{\mu}_R\nu_{\tau L})$	C
CT_bcmunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{\mu}_R\sigma_{\mu\nu}\nu_{\tau L})$	C

ubmunu

WC name	Operator	Type
CVL_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{eL})$	C
CVR_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{eL})$	C
CSR_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{\mu}_R\nu_{eL})$	C
CSL_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{\mu}_R\nu_{eL})$	C
CT_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{\mu}_R\sigma_{\mu\nu}\nu_{eL})$	C
CVL_bumunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
CVR_bumunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
CSR_bumunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{\mu}_R\nu_{\mu L})$	C
CSL_bumunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{\mu}_R\nu_{\mu L})$	C
CT_bumunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{\mu}_R\sigma_{\mu\nu}\nu_{\mu L})$	C
CVL_bumunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	C
CVR_bumunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	C
CSR_bumunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{\mu}_R\nu_{\tau L})$	C
CSL_bumunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{\mu}_R\nu_{\tau L})$	C
CT_bumunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{\mu}_R\sigma_{\mu\nu}\nu_{\tau L})$	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
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

cbtaunu

WC name	Operator	Type
CVL_bctaunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu\nu_{eL})$	C
CVR_bctaunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{\tau}_L\gamma_\mu\nu_{eL})$	C
CSR_bctaunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{\tau}_R\nu_{eL})$	C
CSL_bctaunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{\tau}_R\nu_{eL})$	C
CT_bctaunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{eL})$	C
CVL_bctaunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu\nu_{\mu L})$	C
CVR_bctaunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{\tau}_L\gamma_\mu\nu_{\mu L})$	C
CSR_bctaunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{\tau}_R\nu_{\mu L})$	C
CSL_bctaunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{\tau}_R\nu_{\mu L})$	C
CT_bctaunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\mu L})$	C
CVL_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu\nu_{\tau L})$	C
CVR_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{\tau}_L\gamma_\mu\nu_{\tau L})$	C
CSR_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L b_R)(\bar{\tau}_R\nu_{\tau L})$	C
CSL_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R b_L)(\bar{\tau}_R\nu_{\tau L})$	C
CT_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\tau L})$	C

ubtaunu

WC name	Operator	Type
CVL_butaunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu\nu_{eL})$	C
CVR_butaunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\tau}_L\gamma_\mu\nu_{eL})$	C
CSR_butaunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{\tau}_R\nu_{eL})$	C
CSL_butaunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{\tau}_R\nu_{eL})$	C
CT_butaunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{eL})$	C
CVL_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu\nu_{\mu L})$	C
CVR_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\tau}_L\gamma_\mu\nu_{\mu L})$	C
CSR_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{\tau}_R\nu_{\mu L})$	C
CSL_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{\tau}_R\nu_{\mu L})$	C
CT_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\mu L})$	C
CVL_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu\nu_{\tau L})$	C
CVR_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\tau}_L\gamma_\mu\nu_{\tau L})$	C
CSR_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L b_R)(\bar{\tau}_R\nu_{\tau L})$	C
CSL_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R b_L)(\bar{\tau}_R\nu_{\tau L})$	C
CT_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu} b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\tau L})$	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
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

`dF=0`

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`	$\frac{4G_F}{\sqrt{2}} f^{ABC} \widetilde{G}_\mu^{A\nu} G_\nu^{B\rho} G_\rho^{C\mu}$	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_bb`	$\frac{4G_F}{\sqrt{2}} \frac{e}{16\pi^2} m_b \bar{b}_L \sigma^{\mu\nu} b_R \, F_{\mu\nu}$	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`	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_u \bar{u}_L \sigma^{\mu\nu} T^A u_R \, G^A_{\mu\nu}$	C
`C8_cc`	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_c \bar{c}_L \sigma^{\mu\nu} T^A c_R \, G^A_{\mu\nu}$	C
`C8_dd`	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_d \bar{d}_L \sigma^{\mu\nu} T^A d_R \, G^A_{\mu\nu}$	C
`C8_ss`	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_s \bar{s}_L \sigma^{\mu\nu} T^A s_R \, G^A_{\mu\nu}$	C
`C8_bb`	$\frac{4G_F}{\sqrt{2}} \frac{g_s}{16\pi^2} m_b \bar{b}_L \sigma^{\mu\nu} T^A b_R \, G^A_{\mu\nu}$	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_eecc`	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
`CTRR_mumuuu`	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	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_tautauuu`	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	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
`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_eebb`	$\frac{4G_F}{\sqrt{2}} (\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	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_mumubb`	$\frac{4G_F}{\sqrt{2}} (\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	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
`CTRR_tautaubb`	$\frac{4G_F}{\sqrt{2}} (\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
`CS1RR_uuuu`	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L u_R)(\bar{u}_L u_R)$	C
`CS1RR_uucc`	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L u_R)(\bar{c}_L c_R)$	C
`CS1RR_uccu`	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L c_R)(\bar{c}_L u_R)$	C
`CS1RR_cccc`	$\frac{4G_F}{\sqrt{2}} (\bar{c}_L c_R)(\bar{c}_L c_R)$	C
`CS8RR_uuuu`	$\frac{4G_F}{\sqrt{2}} (\bar{u}_L T^A u_R)(\bar{u}_L T^A u_R)$	C

WC name	Operator	Type
CS8RR_uucc	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L T^A u_R)(\bar{c}_L T^A c_R)$	C
CS8RR_uccu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L T^A c_R)(\bar{c}_L T^A u_R)$	C
CS8RR_cccc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L T^A c_R)(\bar{c}_L T^A c_R)$	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
CS1RR_uubb	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L u_R)(\bar{b}_L b_R)$	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_ccbb	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L c_R)(\bar{b}_L b_R)$	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
CS8RR_uubb	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L T^A u_R)(\bar{b}_L T^A b_R)$	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_ccbb	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L T^A c_R)(\bar{b}_L T^A b_R)$	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_ddbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L d_R)(\bar{b}_L b_R)$	C
CS1RR_dssd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L s_R)(\bar{s}_L d_R)$	C
CS1RR_dbbd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L b_R)(\bar{b}_L d_R)$	C
CS1RR_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L s_R)(\bar{s}_L s_R)$	C
CS1RR_ssbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L s_R)(\bar{b}_L b_R)$	C
CS1RR_sbbs	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L b_R)(\bar{b}_L s_R)$	C
CS1RR_bbbb	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L b_R)(\bar{b}_L b_R)$	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_ddbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L T^A d_R)(\bar{b}_L T^A b_R)$	C
CS8RR_dssd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L T^A s_R)(\bar{s}_L T^A d_R)$	C
CS8RR_dbbd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L T^A b_R)(\bar{b}_L T^A d_R)$	C
CS8RR_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L T^A s_R)(\bar{s}_L T^A s_R)$	C
CS8RR_ssbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L T^A s_R)(\bar{b}_L T^A b_R)$	C
CS8RR_sbbs	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L T^A b_R)(\bar{b}_L T^A s_R)$	C
CS8RR_bbbb	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L T^A b_R)(\bar{b}_L T^A b_R)$	C
CS1RR_uddu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L d_R)(\bar{d}_L u_R)$	C
CS1RR_ussu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L s_R)(\bar{s}_L u_R)$	C
CS1RR_ubbu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L b_R)(\bar{b}_L u_R)$	C
CS1RR_cddc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L d_R)(\bar{d}_L c_R)$	C

WC name	Operator	Type
CS1RR_cssc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L s_R)(\bar{s}_L c_R)$	C
CS1RR_cbbc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L b_R)(\bar{b}_L c_R)$	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
CS8RR_ubbu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L T^A b_R)(\bar{b}_L T^A u_R)$	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_cbbc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L T^A b_R)(\bar{b}_L T^A c_R)$	C
CSRL_eebb	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{b}_R b_L)$	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_mumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L \mu_R)(\bar{b}_R b_L)$	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_tautaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L \tau_R)(\bar{b}_R b_L)$	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_eebb	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L e_R)(\bar{b}_L b_R)$	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
CSRR_etautaue	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L \tau_R)(\bar{\tau}_L e_R)$	C
CSRR_mumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L \mu_R)(\bar{b}_L b_R)$	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_mumumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L \mu_R)(\bar{\mu}_L \mu_R)$	C

WC name	Operator	Type
CSRR_mumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{s}_L s_R)$	C
CSRR_mumutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{\tau}_L\tau_R)$	C
CSRR_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{u}_L u_R)$	C
CSRR_mutautaumu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\tau_R)(\bar{\tau}_L\mu_R)$	C
CSRR_tautaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\tau_R)(\bar{b}_L b_R)$	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_tautauss	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\tau_R)(\bar{s}_L s_R)$	C
CSRR_tautautautau	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\tau_R)(\bar{\tau}_L\tau_R)$	C
CSRR_tautauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\tau_R)(\bar{u}_L u_R)$	C
CV1LL_ccbb	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu c_L)(\bar{b}_L\gamma_\mu b_L)$	R
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_uubb	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{b}_L\gamma_\mu b_L)$	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_bbbb	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{b}_R\gamma_\mu b_R)$	R
CV1LR_bbcc	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{c}_R\gamma_\mu c_R)$	R
CV1LR_bbdd	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{d}_R\gamma_\mu d_R)$	R
CV1LR_bbss	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{s}_R\gamma_\mu s_R)$	R
CV1LR_bbuu	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{u}_R\gamma_\mu u_R)$	R
CV1LR_cbbc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu b_L)(\bar{b}_R\gamma_\mu c_R)$	C
CV1LR_ccbb	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu c_L)(\bar{b}_R\gamma_\mu b_R)$	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_dbbd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu b_L)(\bar{b}_R\gamma_\mu d_R)$	C
CV1LR_ddbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{b}_R\gamma_\mu b_R)$	R
CV1LR_ddcc	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{c}_R\gamma_\mu c_R)$	R
CV1LR_dddd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{d}_R\gamma_\mu d_R)$	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_sbbs	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu b_L)(\bar{b}_R\gamma_\mu s_R)$	C

WC name	Operator	Type
CV1LR_ssbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu s_L)(\bar{b}_R\gamma_\mu b_R)$	R
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_ubbu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu b_L)(\bar{b}_R\gamma_\mu u_R)$	C
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
CV1LR_ussu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu s_L)(\bar{s}_R\gamma_\mu u_R)$	C
CV1LR_uubb	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{b}_R\gamma_\mu b_R)$	R
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_ccbb	$\frac{4G_F}{\sqrt{2}}(\bar{c}_R\gamma^\mu c_R)(\bar{b}_R\gamma_\mu b_R)$	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_uubb	$\frac{4G_F}{\sqrt{2}}(\bar{u}_R\gamma^\mu u_R)(\bar{b}_R\gamma_\mu b_R)$	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_ccbb	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A c_L)(\bar{b}_L\gamma_\mu T^A b_L)$	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_uubb	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A u_L)(\bar{b}_L\gamma_\mu T^A b_L)$	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_bbbb	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu T^A b_L)(\bar{b}_R\gamma_\mu T^A b_R)$	R
CV8LR_bbcc	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu T^A b_L)(\bar{c}_R\gamma_\mu T^A c_R)$	R
CV8LR_bbdd	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu T^A b_L)(\bar{d}_R\gamma_\mu T^A d_R)$	R
CV8LR_bbss	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu T^A b_L)(\bar{s}_R\gamma_\mu T^A s_R)$	R
CV8LR_bbuu	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu T^A b_L)(\bar{u}_R\gamma_\mu T^A u_R)$	R
CV8LR_cbbc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A b_L)(\bar{b}_R\gamma_\mu T^A c_R)$	C
CV8LR_ccbb	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu T^A c_L)(\bar{b}_R\gamma_\mu T^A b_R)$	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

WC name	Operator	Type
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_dbbd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu T^A b_L)(\bar{b}_R\gamma_\mu T^A d_R)$	C
CV8LR_ddbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu T^A d_L)(\bar{b}_R\gamma_\mu T^A b_R)$	R
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_sbbs	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu T^A b_L)(\bar{b}_R\gamma_\mu T^A s_R)$	C
CV8LR_ssbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu T^A s_L)(\bar{b}_R\gamma_\mu T^A b_R)$	R
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_ubbu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A b_L)(\bar{b}_R\gamma_\mu T^A u_R)$	C
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_uubb	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu T^A u_L)(\bar{b}_R\gamma_\mu T^A b_R)$	R
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_ccbb	$\frac{4G_F}{\sqrt{2}}(\bar{c}_R\gamma^\mu T^A c_R)(\bar{b}_R\gamma_\mu T^A b_R)$	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
CV8RR_uubb	$\frac{4G_F}{\sqrt{2}}(\bar{u}_R\gamma^\mu T^A u_R)(\bar{b}_R\gamma_\mu T^A b_R)$	R
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_bbbb	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{b}_L\gamma_\mu b_L)$	R
CVLL_cccc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_L\gamma^\mu c_L)(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_dbbd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu b_L)(\bar{b}_L\gamma_\mu d_L)$	R
CVLL_ddbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{b}_L\gamma_\mu b_L)$	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

WC name	Operator	Type
CVLL_eebb	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{b}_L\gamma_\mu b_L)$	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_mumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{b}_L\gamma_\mu b_L)$	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_mumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{s}_L\gamma_\mu s_L)$	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_sbbs	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu b_L)(\bar{b}_L\gamma_\mu s_L)$	R
CVLL_ssbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu s_L)(\bar{b}_L\gamma_\mu b_L)$	R
CVLL_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu s_L)(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_tautaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{b}_L\gamma_\mu b_L)$	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_tautauss	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{s}_L\gamma_\mu s_L)$	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_bbee	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{e}_R\gamma_\mu e_R)$	R
CVLR_bbmumu	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{\mu}_R\gamma_\mu \mu_R)$	R
CVLR_bbtautau	$\frac{4G_F}{\sqrt{2}}(\bar{b}_L\gamma^\mu b_L)(\bar{\tau}_R\gamma_\mu \tau_R)$	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_ddtautau	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{\tau}_R\gamma_\mu \tau_R)$	R
CVLR_eebb	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{b}_R\gamma_\mu b_R)$	R

WC name	Operator	Type
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
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_etautaue	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu \tau_L)(\bar{\tau}_R\gamma_\mu e_R)$	C
CVLR_mumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{b}_R\gamma_\mu b_R)$	R
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_mumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{s}_R\gamma_\mu s_R)$	R
CVLR_mumutautau	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{\tau}_R\gamma_\mu \tau_R)$	R
CVLR_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{u}_R\gamma_\mu u_R)$	R
CVLR_mutautaumu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \tau_L)(\bar{\tau}_R\gamma_\mu \mu_R)$	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_tautaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{b}_R\gamma_\mu b_R)$	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_tautauee	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{e}_R\gamma_\mu e_R)$	R
CVLR_tautaumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{\mu}_R\gamma_\mu \mu_R)$	R
CVLR_tautauss	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{s}_R\gamma_\mu s_R)$	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_bbbb	$\frac{4G_F}{\sqrt{2}}(\bar{b}_R\gamma^\mu b_R)(\bar{b}_R\gamma_\mu b_R)$	R
CVRR_cccc	$\frac{4G_F}{\sqrt{2}}(\bar{c}_R\gamma^\mu c_R)(\bar{c}_R\gamma_\mu c_R)$	R
CVRR_dbbd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_R\gamma^\mu b_R)(\bar{b}_R\gamma_\mu d_R)$	R
CVRR_ddbb	$\frac{4G_F}{\sqrt{2}}(\bar{d}_R\gamma^\mu d_R)(\bar{b}_R\gamma_\mu b_R)$	R
CVRR_dddd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_R\gamma^\mu d_R)(\bar{d}_R\gamma_\mu d_R)$	R

WC name	Operator	Type
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_eebb	$\frac{4G_F}{\sqrt{2}}(\bar{e}_R\gamma^\mu e_R)(\bar{b}_R\gamma_\mu b_R)$	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
CVRR_eeuu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_R\gamma^\mu e_R)(\bar{u}_R\gamma_\mu u_R)$	R
CVRR_mumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_R\gamma^\mu \mu_R)(\bar{b}_R\gamma_\mu b_R)$	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_mumumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_R\gamma^\mu \mu_R)(\bar{\mu}_R\gamma_\mu \mu_R)$	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_sbbs	$\frac{4G_F}{\sqrt{2}}(\bar{s}_R\gamma^\mu b_R)(\bar{b}_R\gamma_\mu s_R)$	R
CVRR_ssbb	$\frac{4G_F}{\sqrt{2}}(\bar{s}_R\gamma^\mu s_R)(\bar{b}_R\gamma_\mu b_R)$	R
CVRR_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_R\gamma^\mu s_R)(\bar{s}_R\gamma_\mu s_R)$	R
CVRR_tautaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\tau}_R\gamma^\mu \tau_R)(\bar{b}_R\gamma_\mu b_R)$	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

WC name	Operator	Type
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
CVLL_muebb	$(\bar{e}_L\gamma^\mu\mu_L)(\bar{b}_L\gamma_\mu b_L)$	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
CVRR_muebb	$(\bar{e}_R\gamma^\mu\mu_R)(\bar{b}_R\gamma_\mu b_R)$	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
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_taumuetau	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{\tau}_R\gamma_\mu e_R)$	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_muebb	$(\bar{e}_L\gamma^\mu\mu_L)(\bar{b}_R\gamma_\mu b_R)$	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
CVLR_bbmue	$(\bar{b}_L\gamma^\mu b_L)(\bar{e}_R\gamma_\mu\mu_R)$	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_muebb	$(\bar{e}_L\mu_R)(\bar{b}_R b_L)$	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
CSRL_emubb	$(\bar{\mu}_L e_R)(\bar{b}_R b_L)$	C
CSRR_eemue	$(\bar{e}_L e_R)(\bar{e}_L\mu_R)$	C

WC name	Operator	Type
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_taumuetau	$(\bar{\mu}_L \tau_R)(\bar{\tau}_L e_R)$	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_muebb	$(\bar{e}_L \mu_R)(\bar{b}_L b_R)$	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
CSRR_emubb	$(\bar{\mu}_L e_R)(\bar{b}_L b_R)$	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_muebb	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
CTRR_emudd	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
CTRR_emuss	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
CTRR_emubb	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C

mutau

WC name	Operator	Type
Cgamma_taumu	$\bar{\mu}_L \sigma^{\mu\nu} \tau_R \, F_{\mu\nu}$	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_mumutaumu	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
CVLL_taumutautau	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\tau}_L \gamma_\mu \tau_L)$	C
CVLL_taumuuu	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{u}_L \gamma_\mu u_L)$	C
CVLL_taumucc	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu c_L)$	C
CVLL_taumudd	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu d_L)$	C
CVLL_taumuss	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu s_L)$	C
CVLL_taumubb	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{b}_L \gamma_\mu b_L)$	C
CVRR_eetaumu	$(\bar{e}_R \gamma^\mu e_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C

WC name	Operator	Type
CVRR_mumutaumu	$(\bar{\mu}_R\gamma^\mu\mu_R)(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVRR_taumutautau	$(\bar{\mu}_R\gamma^\mu\tau_R)(\bar{\tau}_R\gamma_\mu\tau_R)$	C
CVRR_taumuuu	$(\bar{\mu}_R\gamma^\mu\tau_R)(\bar{u}_R\gamma_\mu u_R)$	C
CVRR_taumucc	$(\bar{\mu}_R\gamma^\mu\tau_R)(\bar{c}_R\gamma_\mu c_R)$	C
CVRR_taumudd	$(\bar{\mu}_R\gamma^\mu\tau_R)(\bar{d}_R\gamma_\mu d_R)$	C
CVRR_taumuss	$(\bar{\mu}_R\gamma^\mu\tau_R)(\bar{s}_R\gamma_\mu s_R)$	C
CVRR_taumubb	$(\bar{\mu}_R\gamma^\mu\tau_R)(\bar{b}_R\gamma_\mu b_R)$	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_taueemu	$(\bar{e}_L\gamma^\mu\tau_L)(\bar{\mu}_R\gamma_\mu e_R)$	C
CVLR_mumutaumu	$(\bar{\mu}_L\gamma^\mu\mu_L)(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_taumuee	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{e}_R\gamma_\mu e_R)$	C
CVLR_taumumumu	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{\mu}_R\gamma_\mu\mu_R)$	C
CVLR_taumutautau	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{\tau}_R\gamma_\mu\tau_R)$	C
CVLR_tautautaumu	$(\bar{\tau}_L\gamma^\mu\tau_L)(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_taumuuu	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{u}_R\gamma_\mu u_R)$	C
CVLR_taumucc	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{c}_R\gamma_\mu c_R)$	C
CVLR_taumudd	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{d}_R\gamma_\mu d_R)$	C
CVLR_taumuss	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{s}_R\gamma_\mu s_R)$	C
CVLR_taumubb	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{b}_R\gamma_\mu b_R)$	C
CVLR_uutaumu	$(\bar{u}_L\gamma^\mu u_L)(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_cctaumu	$(\bar{c}_L\gamma^\mu c_L)(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_ddtaumu	$(\bar{d}_L\gamma^\mu d_L)(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_sstaumu	$(\bar{s}_L\gamma^\mu s_L)(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_bbtaumu	$(\bar{b}_L\gamma^\mu b_L)(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CSRL_taumuuu	$(\bar{\mu}_L\tau_R)(\bar{u}_R u_L)$	C
CSRL_taumucc	$(\bar{\mu}_L\tau_R)(\bar{c}_R c_L)$	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_taumudd	$(\bar{\mu}_L\tau_R)(\bar{d}_R d_L)$	C
CSRL_taumuss	$(\bar{\mu}_L\tau_R)(\bar{s}_R s_L)$	C
CSRL_taumubb	$(\bar{\mu}_L\tau_R)(\bar{b}_R b_L)$	C
CSRL_mutaudd	$(\bar{\tau}_L\mu_R)(\bar{d}_R d_L)$	C
CSRL_mutauss	$(\bar{\tau}_L\mu_R)(\bar{s}_R s_L)$	C
CSRL_mutaubb	$(\bar{\tau}_L\mu_R)(\bar{b}_R b_L)$	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_taueemu	$(\bar{e}_L\tau_R)(\bar{\mu}_L e_R)$	C
CSRR_mumutaumu	$(\bar{\mu}_L\mu_R)(\bar{\mu}_L\tau_R)$	C
CSRR_mumumutau	$(\bar{\mu}_L\mu_R)(\bar{\tau}_L\mu_R)$	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

WC name	Operator	Type
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_taumubb	$(\bar{\mu}_L\tau_R)(\bar{b}_L b_R)$	C
CSRR_mutaudd	$(\bar{\tau}_L\mu_R)(\bar{d}_L d_R)$	C
CSRR_mutauss	$(\bar{\tau}_L\mu_R)(\bar{s}_L s_R)$	C
CSRR_mutaubb	$(\bar{\tau}_L\mu_R)(\bar{b}_L b_R)$	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_taumubb	$(\bar{\mu}_L\sigma^{\mu\nu}\tau_R)(\bar{b}_L\sigma_{\mu\nu}b_R)$	C
CTRR_mutaudd	$(\bar{\tau}_L\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}d_R)$	C
CTRR_mutauss	$(\bar{\tau}_L\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}s_R)$	C
CTRR_mutaubb	$(\bar{\tau}_L\sigma^{\mu\nu}\mu_R)(\bar{b}_L\sigma_{\mu\nu}b_R)$	C

taue

WC name	Operator	Type
Cgamma_taue	$\bar{e}_L\sigma^{\mu\nu}\tau_R F_{\mu\nu}$	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_taueuu	$(\bar{e}_L\gamma^\mu\tau_L)(\bar{u}_L\gamma_\mu u_L)$	C
CVLL_tauecc	$(\bar{e}_L\gamma^\mu\tau_L)(\bar{c}_L\gamma_\mu c_L)$	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
CVLL_tauebb	$(\bar{e}_L\gamma^\mu\tau_L)(\bar{b}_L\gamma_\mu b_L)$	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
CVRR_tauetautau	$(\bar{e}_R\gamma^\mu\tau_R)(\bar{\tau}_R\gamma_\mu\tau_R)$	C
CVRR_taueuu	$(\bar{e}_R\gamma^\mu\tau_R)(\bar{u}_R\gamma_\mu u_R)$	C
CVRR_tauecc	$(\bar{e}_R\gamma^\mu\tau_R)(\bar{c}_R\gamma_\mu c_R)$	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
CVRR_tauebb	$(\bar{e}_R\gamma^\mu\tau_R)(\bar{b}_R\gamma_\mu b_R)$	C

WC name	Operator	Type
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_mumutaue	$(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_taumumue	$(\bar{\mu}_L\gamma^\mu \tau_L)(\bar{e}_R\gamma_\mu \mu_R)$	C
CVLR_tautautaue	$(\bar{\tau}_L\gamma^\mu \tau_L)(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_taueuu	$(\bar{e}_L\gamma^\mu \tau_L)(\bar{u}_R\gamma_\mu u_R)$	C
CVLR_tauecc	$(\bar{e}_L\gamma^\mu \tau_L)(\bar{c}_R\gamma_\mu c_R)$	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_tauebb	$(\bar{e}_L\gamma^\mu \tau_L)(\bar{b}_R\gamma_\mu b_R)$	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
CVLR_bbtaue	$(\bar{b}_L\gamma^\mu b_L)(\bar{e}_R\gamma_\mu\tau_R)$	C
CSRL_taueuu	$(\bar{e}_L\tau_R)(\bar{u}_R u_L)$	C
CSRL_tauecc	$(\bar{e}_L\tau_R)(\bar{c}_R c_L)$	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_tauebb	$(\bar{e}_L\tau_R)(\bar{b}_R b_L)$	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
CSRL_etaubb	$(\bar{\tau}_L e_R)(\bar{b}_R b_L)$	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_taueuu	$(\bar{e}_L\tau_R)(\bar{u}_L u_R)$	C
CSRR_tauecc	$(\bar{e}_L\tau_R)(\bar{c}_L c_R)$	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_taueuu	$(\bar{e}_L\sigma^{\mu\nu}\tau_R)(\bar{u}_L\sigma_{\mu\nu}u_R)$	C
CTRR_tauecc	$(\bar{e}_L\sigma^{\mu\nu}\tau_R)(\bar{c}_L\sigma_{\mu\nu}c_R)$	C
CTRR_etauuu	$(\bar{\tau}_L\sigma^{\mu\nu}e_R)(\bar{u}_L\sigma_{\mu\nu}u_R)$	C
CTRR_etaucc	$(\bar{\tau}_L\sigma^{\mu\nu}e_R)(\bar{c}_L\sigma_{\mu\nu}c_R)$	C

WC name	Operator	Type
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_tauebb	$(\bar{e}_L \tau_R)(\bar{b}_L b_R)$	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
CSRR_etaubb	$(\bar{\tau}_L e_R)(\bar{b}_L b_R)$	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_tauebb	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	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
CTRR_etaubb	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	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

WC name	Operator	Type
CVLL_numunumutaumu	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{\mu}_L\gamma_\mu\tau_L)$	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
CVLL_nutaunumumutau	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_L\gamma_\mu\mu_L)$	C
CVLL_nutaunumutaumu	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_L\gamma_\mu\tau_L)$	C
CVLL_nutaunutautaumu	$(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_L\gamma_\mu\tau_L)$	C
CVLR_nuenuetaumu	$(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_numunuemutau	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\tau}_R\gamma_\mu\mu_R)$	C
CVLR_numunuetaumu	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_numunumutaumu	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_nutaunuemutau	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu\mu_R)$	C
CVLR_nutaunuetaumu	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_nutaunumumutau	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu\mu_R)$	C
CVLR_nutaunumutaumu	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu\tau_R)$	C
CVLR_nutaunutautaumu	$(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu\tau_R)$	C

nunutaue

WC name	Operator	Type
CVLL_nuenuetaue	$(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{e}_L\gamma_\mu\tau_L)$	C
CVLL_numunueetau	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\tau}_L\gamma_\mu e_L)$	C
CVLL_numunuetaue	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{e}_L\gamma_\mu\tau_L)$	C
CVLL_numunumutaue	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{e}_L\gamma_\mu\tau_L)$	C
CVLL_nutaunueetau	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\tau}_L\gamma_\mu e_L)$	C
CVLL_nutaunuetaue	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu\tau_L)$	C
CVLL_nutaunumuetau	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_L\gamma_\mu e_L)$	C
CVLL_nutaunumutaue	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu\tau_L)$	C
CVLL_nutaunutautaue	$(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu\tau_L)$	C
CVLR_nuenuetaue	$(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_numunueetau	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\tau}_R\gamma_\mu e_R)$	C
CVLR_numunuetaue	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_numunumutaue	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_nutaunueetau	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu e_R)$	C
CVLR_nutaunuetaue	$(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_nutaunumuetau	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu e_R)$	C
CVLR_nutaunumutaue	$(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{e}_R\gamma_\mu\tau_R)$	C
CVLR_nutaunutautaue	$(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{e}_R\gamma_\mu\tau_R)$	C

ffnunu

WC name	Operator	Type
CVLL_nuenuebb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{b}_L\gamma_\mu b_L)$	R
CVLL_nuenuecc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{c}_L\gamma_\mu c_L)$	R
CVLL_nuenuedd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{d}_L\gamma_\mu d_L)$	R
CVLL_nuenueee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{e}_L\gamma_\mu e_L)$	R
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_nuenueuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{u}_L\gamma_\mu u_L)$	R
CVLL_nuenumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{b}_L\gamma_\mu b_L)$	C
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_nuenumumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{\mu}_L\gamma_\mu \mu_L)$	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_nuenutaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{b}_L\gamma_\mu b_L)$	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_nuenutauee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu e_L)$	C
CVLL_nuenutaumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\mu}_L\gamma_\mu \mu_L)$	C
CVLL_nuenutauss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{s}_L\gamma_\mu s_L)$	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_numunumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{b}_L\gamma_\mu b_L)$	R
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_numunumumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{\mu}_L\gamma_\mu \mu_L)$	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_numunutaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{b}_L\gamma_\mu b_L)$	C
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_numunutauee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu e_L)$	C
CVLL_numunutaumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_L\gamma_\mu \mu_L)$	C

WC name	Operator	Type
CVLL_numunutauss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{s}_L\gamma_\mu s_L)$	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_nutaunutaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{b}_L\gamma_\mu b_L)$	R
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_nutaunutauee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{e}_L\gamma_\mu e_L)$	R
CVLL_nutaunutaumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_L\gamma_\mu\mu_L)$	R
CVLL_nutaunutauss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_nutaunutautautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_L\gamma_\mu\tau_L)$	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_nuenuebb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{b}_R\gamma_\mu b_R)$	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_nuenueuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{u}_R\gamma_\mu u_R)$	R
CVLR_nuenumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{b}_R\gamma_\mu b_R)$	C
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_nuenutaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{b}_R\gamma_\mu b_R)$	C
CVLR_nuenutaucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{c}_R\gamma_\mu c_R)$	C
CVLR_nuenutaudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{d}_R\gamma_\mu d_R)$	C
CVLR_nuenutauee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{e}_R\gamma_\mu e_R)$	C
CVLR_nuenutaumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu\mu_R)$	C
CVLR_nuenutauss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{s}_R\gamma_\mu s_R)$	C
CVLR_nuenutautautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu\tau_R)$	C
CVLR_nuenutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{u}_R\gamma_\mu u_R)$	C
CVLR_numunumubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{b}_R\gamma_\mu b_R)$	R
CVLR_numunumucc	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{c}_R\gamma_\mu c_R)$	R

WC name	Operator	Type
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_numunutaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{b}_R\gamma_\mu b_R)$	C
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_numunutauee	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{e}_R\gamma_\mu e_R)$	C
CVLR_numunutaumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu \mu_R)$	C
CVLR_numunutauss	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{s}_R\gamma_\mu s_R)$	C
CVLR_numunutautautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu \tau_R)$	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
CVLR_nutaunutaubb	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{b}_R\gamma_\mu b_R)$	R
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_nutaunutaudd	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{d}_R\gamma_\mu d_R)$	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_nutaunutaumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\mu}_R\gamma_\mu \mu_R)$	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_nutaunutautautau	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{\tau}_R\gamma_\mu \tau_R)$	R
CVLR_nutaunutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{u}_R\gamma_\mu u_R)$	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_taumuemu	$(\bar{\mu}_L\gamma^\mu\tau_L)(\bar{\mu}_R\gamma_\mu e_R)$	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

etauemu

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_emuetau	$(\bar{\mu}_L e_R)(\bar{\tau}_L e_R)$	C

dbcu

WC name	Operator	Type
CVLL_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L\gamma^\mu b_L)(\bar{d}_L\gamma_\mu u_L)$	C
CVLR_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L\gamma^\mu b_L)(\bar{d}_R\gamma_\mu u_R)$	C
CVRL_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R\gamma^\mu b_R)(\bar{d}_L\gamma_\mu u_L)$	C
CVRR_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R\gamma^\mu b_R)(\bar{d}_R\gamma_\mu u_R)$	C
CSLL_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R b_L)(\bar{d}_R u_L)$	C
CSLR_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R b_L)(\bar{d}_L u_R)$	C
CSRL_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L b_R)(\bar{d}_R u_L)$	C
CSRR_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L b_R)(\bar{d}_L u_R)$	C
CTLL_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{d}_R\sigma_{\mu\nu} u_L)$	C
CTRR_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L\sigma^{\mu\nu} b_R)(\bar{d}_L\sigma_{\mu\nu} u_R)$	C
CVLLt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L^\alpha\gamma^\mu b_L^\beta)(\bar{d}_L^\beta\gamma_\mu u_L^\alpha)$	C
CVLRt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L^\alpha\gamma^\mu b_L^\beta)(\bar{d}_R^\beta\gamma_\mu u_R^\alpha)$	C
CVRLt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R^\alpha\gamma^\mu b_R^\beta)(\bar{d}_L^\beta\gamma_\mu u_L^\alpha)$	C
CVRRt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R^\alpha\gamma^\mu b_R^\beta)(\bar{d}_R^\beta\gamma_\mu u_R^\alpha)$	C
CSLLt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R^\alpha b_L^\beta)(\bar{d}_R^\beta u_L^\alpha)$	C
CSLRt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R^\alpha b_L^\beta)(\bar{d}_L^\beta u_R^\alpha)$	C
CSRLt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L^\alpha b_R^\beta)(\bar{d}_R^\beta u_L^\alpha)$	C
CSRRt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L^\alpha b_R^\beta)(\bar{d}_L^\beta u_R^\alpha)$	C
CTLLt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_R^\alpha\sigma^{\mu\nu} b_L^\beta)(\bar{d}_R^\beta\sigma_{\mu\nu} u_L^\alpha)$	C
CTRRt_bcud	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{ud}^*(\bar{c}_L^\alpha\sigma^{\mu\nu} b_R^\beta)(\bar{d}_L^\beta\sigma_{\mu\nu} u_R^\alpha)$	C

sbcu

WC name	Operator	Type
CVLL_bcus	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{us}^*(\bar{c}_L\gamma^\mu b_L)(\bar{s}_L\gamma_\mu u_L)$	C
CVLR_bcus	$\frac{4G_F}{\sqrt{2}}V_{cb}V_{us}^*(\bar{c}_L\gamma^\mu b_L)(\bar{s}_R\gamma_\mu u_R)$	C

WC name	Operator	Type
CVRL_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R\gamma^\mu b_R)(\bar{s}_L\gamma_\mu u_L)$	C
CVRR_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R\gamma^\mu b_R)(\bar{s}_R\gamma_\mu u_R)$	C
CSLL_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R b_L)(\bar{s}_R u_L)$	C
CSLR_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R b_L)(\bar{s}_L u_R)$	C
CSRL_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_L b_R)(\bar{s}_R u_L)$	C
CSRR_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_L b_R)(\bar{s}_L u_R)$	C
CTLL_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R\sigma^{\mu\nu} b_L)(\bar{s}_R\sigma_{\mu\nu} u_L)$	C
CTRR_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_L\sigma^{\mu\nu} b_R)(\bar{s}_L\sigma_{\mu\nu} u_R)$	C
CVLLt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_L^\alpha\gamma^\mu b_L^\beta)(\bar{s}_L^\beta\gamma_\mu u_L^\alpha)$	C
CVLRt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_L^\alpha\gamma^\mu b_L^\beta)(\bar{s}_R^\beta\gamma_\mu u_R^\alpha)$	C
CVRLt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R^\alpha\gamma^\mu b_R^\beta)(\bar{s}_L^\beta\gamma_\mu u_L^\alpha)$	C
CVRRt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R^\alpha\gamma^\mu b_R^\beta)(\bar{s}_R^\beta\gamma_\mu u_R^\alpha)$	C
CSLLt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R^\alpha b_L^\beta)(\bar{s}_R^\beta u_L^\alpha)$	C
CSLRt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R^\alpha b_L^\beta)(\bar{s}_L^\beta u_R^\alpha)$	C
CSRLt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_L^\alpha b_R^\beta)(\bar{s}_R^\beta u_L^\alpha)$	C
CSRRt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_L^\alpha b_R^\beta)(\bar{s}_L^\beta u_R^\alpha)$	C
CTLLt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_R^\alpha\sigma^{\mu\nu} b_L^\beta)(\bar{s}_R^\beta\sigma_{\mu\nu} u_L^\alpha)$	C
CTRRt_bcus	$\frac{4G_F}{\sqrt{2}} V_{cb}V_{us}^*(\bar{c}_L^\alpha\sigma^{\mu\nu} b_R^\beta)(\bar{s}_L^\beta\sigma_{\mu\nu} u_R^\alpha)$	C