

Basis flavio (EFT WET)

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

Sectors

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
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

WC name	Operator	Type
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

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
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	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{g_s}{16\pi^2} m_b (\bar{s}_L \sigma^{\mu\nu} T^a b_R)(G_{\mu\nu}^a)$	C
C8p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{g_s}{16\pi^2} m_b (\bar{s}_R \sigma^{\mu\nu} T^a b_L)(G_{\mu\nu}^a)$	C

sbnunu

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
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

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

WC name	Operator	Type
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
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	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{g_s}{16\pi^2} m_b (\bar{d}_L \sigma^{\mu\nu} T^a b_R) (G_{\mu\nu}^a)$	C
C8p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{g_s}{16\pi^2} m_b (\bar{d}_R \sigma^{\mu\nu} T^a b_L) (G_{\mu\nu}^a)$	C

dbnnunu

WC name	Operator	Type
CL_bdnueue	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L) (\bar{\nu}_e \gamma_\mu (1 - \gamma_5) \nu_e)$	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_bdnueenumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L) (\bar{\nu}_\mu \gamma_\mu (1 - \gamma_5) \nu_e)$	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_bdnueunutau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L) (\bar{\nu}_\tau \gamma_\mu (1 - \gamma_5) \nu_e)$	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_bdnueue	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R) (\bar{\nu}_e \gamma_\mu (1 - \gamma_5) \nu_e)$	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

WC name	Operator	Type
CR_bdnueenumu	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R) (\bar{\nu}_\mu \gamma_\mu (1 - \gamma_5) \nu_e)$	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

sbemu

WC name	Operator	Type
C9_bseму	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L) (\bar{\mu} \gamma_\mu e)$	C
C9p_bseму	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R) (\bar{\mu} \gamma_\mu e)$	C
C10_bseму	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^\mu b_L) (\bar{\mu} \gamma_\mu \gamma_5 e)$	C
C10p_bseму	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^\mu b_R) (\bar{\mu} \gamma_\mu \gamma_5 e)$	C
CS_bseму	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R) (\bar{\mu} e)$	C
CSp_bseму	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L) (\bar{\mu} e)$	C
CP_bseму	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_L b_R) (\bar{\mu} \gamma_5 e)$	C
CPp_bseму	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} m_b (\bar{s}_R b_L) (\bar{\mu} \gamma_5 e)$	C

sbmue

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

sbetau

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

sbtaue

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

sbsmutau

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

sbtaumu

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

dbemu

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

dbmue

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

WC name	Operator	Type
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

dbetau

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

dbtaue

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

dbmutau

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

WC name	Operator	Type
C10p_bdmultau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R) (\bar{\tau} \gamma_\mu \gamma_5 \mu)$	C
CS_bdmultau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R) (\bar{\tau} \mu)$	C
CSp_bdmultau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L) (\bar{\tau} \mu)$	C
CP_bdmultau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_L b_R) (\bar{\tau} \gamma_5 \mu)$	C
CPp_bdmultau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} m_b (\bar{d}_R b_L) (\bar{\tau} \gamma_5 \mu)$	C

dbtaumu

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

cbenu

WC name	Operator	Type
CVL_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_L \gamma^\mu b_L) (\bar{e}_L \gamma_\mu \nu_{eL})$	C
CVR_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_R \gamma^\mu b_R) (\bar{e}_L \gamma_\mu \nu_{eL})$	C
CSR_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_L b_R) (\bar{e}_R \nu_{eL})$	C
CSL_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_R b_L) (\bar{e}_R \nu_{eL})$	C
CT_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_R \sigma^{\mu\nu} b_L) (\bar{e}_R \sigma_{\mu\nu} \nu_{eL})$	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

WC name	Operator	Type
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

WC name	Operator	Type
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

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

WC name	Operator	Type
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

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

WC name	Operator	Type
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_baunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub} (\bar{u}_L \gamma^\mu b_L) (\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CVR_baunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub} (\bar{u}_R \gamma^\mu b_R) (\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CSR_baunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub} (\bar{u}_L b_R) (\bar{\tau}_R \nu_{\tau L})$	C
CSL_baunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub} (\bar{u}_R b_L) (\bar{\tau}_R \nu_{\tau L})$	C
CT_baunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub} (\bar{u}_R \sigma^{\mu\nu} b_L) (\bar{\tau}_R \sigma_{\mu\nu} \nu_{\tau L})$	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

WC name	Operator	Type
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