Basis `flavio` (EFT `WET-3`)

Sectors

The effective Lagrangian is defined as

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

`sdsd`

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

`sd`

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

WC name	Operator	Type
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
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_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

WC name	Operator	Type
CTRR_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L \sigma^{\mu\nu} s_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
CVLLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \gamma^\mu s_L^\beta)(\bar{u}_L^\beta \gamma_\mu u_L^\alpha)$	C
CVLRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \gamma^\mu s_L^\beta)(\bar{u}_R^\beta \gamma_\mu u_R^\alpha)$	C
CVRLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \gamma^\mu s_R^\beta)(\bar{u}_L^\beta \gamma_\mu u_L^\alpha)$	C
CVRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \gamma^\mu s_R^\beta)(\bar{u}_R^\beta \gamma_\mu u_R^\alpha)$	C
CSLLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha s_L^\beta)(\bar{u}_R^\beta u_L^\alpha)$	C
CSLRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha s_L^\beta)(\bar{u}_L^\beta u_R^\alpha)$	C
CSRLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha s_R^\beta)(\bar{u}_R^\beta u_L^\alpha)$	C
CSRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha s_R^\beta)(\bar{u}_L^\beta u_R^\alpha)$	C
CTLLt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_R^\alpha \sigma^{\mu\nu} s_L^\beta)(\bar{u}_R^\beta \sigma_{\mu\nu} u_L^\alpha)$	C
CTRRt_sduu	$\frac{4G_F}{\sqrt{2}} V_{ts} V_{td}^* (\bar{d}_L^\alpha \sigma^{\mu\nu} s_R^\beta)(\bar{u}_L^\beta \sigma_{\mu\nu} u_R^\alpha)$	C

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
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

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

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

WC name	Operator	Type
`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

`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

`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

WC name	Operator	Type
`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

`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

WC name	Operator	Type
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_dd	$\frac{4G_F}{\sqrt{2}}\frac{e}{16\pi^2}m_d\bar{d}_L\sigma^{\mu\nu}d_R\,F_{\mu\nu}$	C
C7_ss	$\frac{4G_F}{\sqrt{2}}\frac{e}{16\pi^2}m_s\bar{s}_L\sigma^{\mu\nu}s_R\,F_{\mu\nu}$	C
C7_ee	$\frac{4G_F}{\sqrt{2}}\frac{e}{16\pi^2}m_e\bar{e}_L\sigma^{\mu\nu}e_R\,F_{\mu\nu}$	C
C7_mumu	$\frac{4G_F}{\sqrt{2}}\frac{e}{16\pi^2}m_\mu\bar{\mu}_L\sigma^{\mu\nu}\mu_R\,F_{\mu\nu}$	C
C8_uu	$\frac{4G_F}{\sqrt{2}}\frac{g_s}{16\pi^2}m_u\bar{u}_L\sigma^{\mu\nu}T^Au_R\,G^A_{\mu\nu}$	C
C8_dd	$\frac{4G_F}{\sqrt{2}}\frac{g_s}{16\pi^2}m_d\bar{d}_L\sigma^{\mu\nu}T^Ad_R\,G^A_{\mu\nu}$	C
C8_ss	$\frac{4G_F}{\sqrt{2}}\frac{g_s}{16\pi^2}m_s\bar{s}_L\sigma^{\mu\nu}T^As_R\,G^A_{\mu\nu}$	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_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\sigma^{\mu\nu}\mu_R)(\bar{u}_L\sigma_{\mu\nu}u_R)$	C
CTRR_eedd	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\sigma^{\mu\nu}e_R)(\bar{d}_L\sigma_{\mu\nu}d_R)$	C
CTRR_eess	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\sigma^{\mu\nu}e_R)(\bar{s}_L\sigma_{\mu\nu}s_R)$	C
CTRR_mumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}d_R)$	C
CTRR_mumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}s_R)$	C
CS1RR_uuuu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_Lu_R)(\bar{u}_Lu_R)$	C
CS8RR_uuuu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_LT^Au_R)(\bar{u}_LT^Au_R)$	C
CS1RR_uudd	$\frac{4G_F}{\sqrt{2}}(\bar{u}_Lu_R)(\bar{d}_Ld_R)$	C
CS1RR_uuss	$\frac{4G_F}{\sqrt{2}}(\bar{u}_Lu_R)(\bar{s}_Ls_R)$	C
CS8RR_uudd	$\frac{4G_F}{\sqrt{2}}(\bar{u}_LT^Au_R)(\bar{d}_LT^Ad_R)$	C
CS8RR_uuss	$\frac{4G_F}{\sqrt{2}}(\bar{u}_LT^Au_R)(\bar{s}_LT^As_R)$	C
CS1RR_dddd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_Ld_R)(\bar{d}_Ld_R)$	C
CS1RR_ddss	$\frac{4G_F}{\sqrt{2}}(\bar{d}_Ld_R)(\bar{s}_Ls_R)$	C
CS1RR_dssd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_Ls_R)(\bar{s}_Ld_R)$	C
CS1RR_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_Ls_R)(\bar{s}_Ls_R)$	C
CS8RR_dddd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_LT^Ad_R)(\bar{d}_LT^Ad_R)$	C
CS8RR_ddss	$\frac{4G_F}{\sqrt{2}}(\bar{d}_LT^Ad_R)(\bar{s}_LT^As_R)$	C
CS8RR_dssd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_LT^As_R)(\bar{s}_LT^Ad_R)$	C
CS8RR_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_LT^As_R)(\bar{s}_LT^As_R)$	C
CS1RR_uddu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_Ld_R)(\bar{d}_Lu_R)$	C
CS1RR_ussu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_Ls_R)(\bar{s}_Lu_R)$	C
CS8RR_uddu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_LT^Ad_R)(\bar{d}_LT^Au_R)$	C
CS8RR_ussu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_LT^As_R)(\bar{s}_LT^Au_R)$	C
CSRL_eedd	$\frac{4G_F}{\sqrt{2}}(\bar{e}_Le_R)(\bar{d}_Rd_L)$	C
CSRL_eess	$\frac{4G_F}{\sqrt{2}}(\bar{e}_Le_R)(\bar{s}_Rs_L)$	C
CSRL_eeuu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_Le_R)(\bar{u}_Ru_L)$	C
CSRL_mumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{d}_Rd_L)$	C
CSRL_mumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{s}_Rs_L)$	C

WC name	Operator	Type
CSRL_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{u}_Ru_L)$	C
CSRR_eedd	$\frac{4G_F}{\sqrt{2}}(\bar{e}_Le_R)(\bar{d}_Ld_R)$	C
CSRR_eeee	$\frac{4G_F}{\sqrt{2}}(\bar{e}_Le_R)(\bar{e}_Le_R)$	C
CSRR_eemumu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_Le_R)(\bar{\mu}_L\mu_R)$	C
CSRR_eess	$\frac{4G_F}{\sqrt{2}}(\bar{e}_Le_R)(\bar{s}_Ls_R)$	C
CSRR_eeuu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_Le_R)(\bar{u}_Lu_R)$	C
CSRR_emumue	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\mu_R)(\bar{\mu}_Le_R)$	C
CSRR_mumudd	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{d}_Ld_R)$	C
CSRR_mumumumu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{\mu}_L\mu_R)$	C
CSRR_mumuss	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{s}_Ls_R)$	C
CSRR_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\mu_R)(\bar{u}_Lu_R)$	C
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_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_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_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_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_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_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_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_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_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

WC name	Operator	Type
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_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_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_dddd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{d}_L\gamma_\mu d_L)$	R
CVLL_ddss	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu d_L)(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_dssd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_L\gamma^\mu s_L)(\bar{s}_L\gamma_\mu d_L)$	R
CVLL_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_eeuu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_L\gamma^\mu e_L)(\bar{u}_L\gamma_\mu u_L)$	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_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{u}_L\gamma_\mu u_L)$	R
CVLL_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_L\gamma^\mu s_L)(\bar{s}_L\gamma_\mu s_L)$	R
CVLL_uuuu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_L\gamma^\mu u_L)(\bar{u}_L\gamma_\mu u_L)$	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_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_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_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_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{u}_R\gamma_\mu u_R)$	R
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_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

WC name	Operator	Type
CVRR_dddd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_R\gamma^\mu d_R)(\bar{d}_R\gamma_\mu d_R)$	R
CVRR_ddss	$\frac{4G_F}{\sqrt{2}}(\bar{d}_R\gamma^\mu d_R)(\bar{s}_R\gamma_\mu s_R)$	R
CVRR_dssd	$\frac{4G_F}{\sqrt{2}}(\bar{d}_R\gamma^\mu s_R)(\bar{s}_R\gamma_\mu d_R)$	R
CVRR_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_eeuu	$\frac{4G_F}{\sqrt{2}}(\bar{e}_R\gamma^\mu e_R)(\bar{u}_R\gamma_\mu u_R)$	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_mumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\mu}_R\gamma^\mu \mu_R)(\bar{u}_R\gamma_\mu u_R)$	R
CVRR_ssss	$\frac{4G_F}{\sqrt{2}}(\bar{s}_R\gamma^\mu s_R)(\bar{s}_R\gamma_\mu s_R)$	R
CVRR_uuuu	$\frac{4G_F}{\sqrt{2}}(\bar{u}_R\gamma^\mu u_R)(\bar{u}_R\gamma_\mu u_R)$	R

mue

WC name	Operator	Type
Cgamma_mue	$\bar{e}_L\sigma^{\mu\nu}\mu_R F_{\mu\nu}$	C
Cgamma_emu	$\bar{\mu}_L\sigma^{\mu\nu}e_R F_{\mu\nu}$	C
CVLL_eemue	$(\bar{e}_L\gamma^\mu e_L)(\bar{e}_L\gamma_\mu \mu_L)$	C
CVLL_muemumu	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{\mu}_L\gamma_\mu \mu_L)$	C
CVLL_mueuu	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{u}_L\gamma_\mu u_L)$	C
CVLL_muedd	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{d}_L\gamma_\mu d_L)$	C
CVLL_muess	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{s}_L\gamma_\mu s_L)$	C
CVRR_eemue	$(\bar{e}_R\gamma^\mu e_R)(\bar{e}_R\gamma_\mu \mu_R)$	C
CVRR_muemumu	$(\bar{e}_R\gamma^\mu \mu_R)(\bar{\mu}_R\gamma_\mu \mu_R)$	C
CVRR_mueuu	$(\bar{e}_R\gamma^\mu \mu_R)(\bar{u}_R\gamma_\mu u_R)$	C
CVRR_muedd	$(\bar{e}_R\gamma^\mu \mu_R)(\bar{d}_R\gamma_\mu d_R)$	C
CVRR_muess	$(\bar{e}_R\gamma^\mu \mu_R)(\bar{s}_R\gamma_\mu s_R)$	C
CVLR_eemue	$(\bar{e}_L\gamma^\mu e_L)(\bar{e}_R\gamma_\mu \mu_R)$	C
CVLR_mueee	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{e}_R\gamma_\mu e_R)$	C
CVLR_muemumu	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{\mu}_R\gamma_\mu \mu_R)$	C
CVLR_mumumue	$(\bar{\mu}_L\gamma^\mu \mu_L)(\bar{e}_R\gamma_\mu \mu_R)$	C
CVLR_mueuu	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{u}_R\gamma_\mu u_R)$	C
CVLR_muedd	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{d}_R\gamma_\mu d_R)$	C
CVLR_muess	$(\bar{e}_L\gamma^\mu \mu_L)(\bar{s}_R\gamma_\mu s_R)$	C
CVLR_uumue	$(\bar{u}_L\gamma^\mu u_L)(\bar{e}_R\gamma_\mu \mu_R)$	C
CVLR_ddmue	$(\bar{d}_L\gamma^\mu d_L)(\bar{e}_R\gamma_\mu \mu_R)$	C

WC name	Operator	Type
CVLR_ssmue	$(\bar{s}_L\gamma^\mu s_L)(\bar{e}_R\gamma_\mu\mu_R)$	C
CSRL_mueuu	$(\bar{e}_L\mu_R)(\bar{u}_R u_L)$	C
CSRL_emuuu	$(\bar{\mu}_L e_R)(\bar{u}_R u_L)$	C
CSRL_muedd	$(\bar{e}_L\mu_R)(\bar{d}_R d_L)$	C
CSRL_muess	$(\bar{e}_L\mu_R)(\bar{s}_R s_L)$	C
CSRL_emudd	$(\bar{\mu}_L e_R)(\bar{d}_R d_L)$	C
CSRL_emuss	$(\bar{\mu}_L e_R)(\bar{s}_R s_L)$	C
CSRR_eemue	$(\bar{e}_L e_R)(\bar{e}_L\mu_R)$	C
CSRR_eeemu	$(\bar{e}_L e_R)(\bar{\mu}_L e_R)$	C
CSRR_muemumu	$(\bar{e}_L\mu_R)(\bar{\mu}_L\mu_R)$	C
CSRR_emumumu	$(\bar{\mu}_L e_R)(\bar{\mu}_L\mu_R)$	C
CSRR_mueuu	$(\bar{e}_L\mu_R)(\bar{u}_L u_R)$	C
CSRR_emuuu	$(\bar{\mu}_L e_R)(\bar{u}_L u_R)$	C
CTRR_mueuu	$(\bar{e}_L\sigma^{\mu\nu}\mu_R)(\bar{u}_L\sigma_{\mu\nu}u_R)$	C
CTRR_emuuu	$(\bar{\mu}_L\sigma^{\mu\nu}e_R)(\bar{u}_L\sigma_{\mu\nu}u_R)$	C
CSRR_muedd	$(\bar{e}_L\mu_R)(\bar{d}_L d_R)$	C
CSRR_muess	$(\bar{e}_L\mu_R)(\bar{s}_L s_R)$	C
CSRR_emudd	$(\bar{\mu}_L e_R)(\bar{d}_L d_R)$	C
CSRR_emuss	$(\bar{\mu}_L e_R)(\bar{s}_L s_R)$	C
CTRR_muedd	$(\bar{e}_L\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}d_R)$	C
CTRR_muess	$(\bar{e}_L\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}s_R)$	C
CTRR_emudd	$(\bar{\mu}_L\sigma^{\mu\nu}e_R)(\bar{d}_L\sigma_{\mu\nu}d_R)$	C
CTRR_emuss	$(\bar{\mu}_L\sigma^{\mu\nu}e_R)(\bar{s}_L\sigma_{\mu\nu}s_R)$	C

nunumue

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

WC name	Operator	Type
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

ffnunu

WC name	Operator	Type
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_nuenueuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{u}_L\gamma_\mu u_L)$	R
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_nuenumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{u}_L\gamma_\mu u_L)$	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_nuenutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{u}_L\gamma_\mu u_L)$	C
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_numunumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{u}_L\gamma_\mu u_L)$	R
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
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_numunutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{u}_L\gamma_\mu u_L)$	C
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_nutaunutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{u}_L\gamma_\mu u_L)$	R

WC name	Operator	Type
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_nuenueuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{eL})(\bar{u}_R\gamma_\mu u_R)$	R
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_nuenumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\mu L})(\bar{u}_R\gamma_\mu u_R)$	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_nuenutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{eL}\gamma^\mu\nu_{\tau L})(\bar{u}_R\gamma_\mu u_R)$	C
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_numunumuuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\mu L})(\bar{u}_R\gamma_\mu u_R)$	R
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_numunutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\mu L}\gamma^\mu\nu_{\tau L})(\bar{u}_R\gamma_\mu u_R)$	C
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_nutaunutauuu	$\frac{4G_F}{\sqrt{2}}(\bar{\nu}_{\tau L}\gamma^\mu\nu_{\tau L})(\bar{u}_R\gamma_\mu u_R)$	R