

## Basis Warsaw mass (EFT SMEFT)

Variant of the Warsaw basis where all fermion fields are rotated such as to make their mass matrices diagonal. This rotation breaks  $SU(2)_L$  invariance and is ambiguous for some operators. We adhere to the choice of arXiv:1704.03888 by Dedes, Materkowska, Paraskevas, Rosiek, and Suxho, which coincides with the “tilded” basis in arXiv:1512.02830 by Aebischer, Crivellin, Fael, and Greub.

### Sectors

dB=dL=0

WC name	Operator	Type
G	$f^{ABC} G_{\mu}^{A\nu} G_{\nu}^{B\rho} G_{\rho}^{C\mu}$	R
Gtilde	$f^{ABC} \tilde{G}_{\mu}^{A\nu} G_{\nu}^{B\rho} G_{\rho}^{C\mu}$	R
W	$\epsilon^{IJK} W_{\mu}^{I\nu} W_{\nu}^{J\rho} W_{\rho}^{K\mu}$	R
Wtilde	$\epsilon^{IJK} \tilde{W}_{\mu}^{I\nu} W_{\nu}^{J\rho} W_{\rho}^{K\mu}$	R
phi	$(\varphi^{\dagger} \varphi)^3$	R
phiBox	$(\varphi^{\dagger} \varphi) \square (\varphi^{\dagger} \varphi)$	R
phiD	$(\varphi^{\dagger} D^{\mu} \varphi)^* (\varphi^{\dagger} D_{\mu} \varphi)$	R
phiG	$\varphi^{\dagger} \varphi G_{\mu\nu}^A G^{A\mu\nu}$	R
phiB	$\varphi^{\dagger} \varphi B_{\mu\nu} B^{\mu\nu}$	R
phiW	$\varphi^{\dagger} \varphi W_{\mu\nu}^I W^{I\mu\nu}$	R
phiWB	$\varphi^{\dagger} \tau^I \varphi W_{\mu\nu}^I B^{\mu\nu}$	R
phiGtilde	$\varphi^{\dagger} \varphi \tilde{G}_{\mu\nu}^A G^{A\mu\nu}$	R
phiBtilde	$\varphi^{\dagger} \varphi \tilde{B}_{\mu\nu} B^{\mu\nu}$	R
phiWtilde	$\varphi^{\dagger} \varphi \tilde{W}_{\mu\nu}^I W^{I\mu\nu}$	R
phiWtildeB	$\varphi^{\dagger} \tau^I \varphi \tilde{W}_{\mu\nu}^I B^{\mu\nu}$	R
uphi_11	$(\varphi^{\dagger} \varphi) (\bar{q}_1 u_1 \tilde{\varphi})$	C
uphi_12	$(\varphi^{\dagger} \varphi) (\bar{q}_1 u_2 \tilde{\varphi})$	C
uphi_13	$(\varphi^{\dagger} \varphi) (\bar{q}_1 u_3 \tilde{\varphi})$	C
uphi_21	$(\varphi^{\dagger} \varphi) (\bar{q}_2 u_1 \tilde{\varphi})$	C
uphi_22	$(\varphi^{\dagger} \varphi) (\bar{q}_2 u_2 \tilde{\varphi})$	C
uphi_23	$(\varphi^{\dagger} \varphi) (\bar{q}_2 u_3 \tilde{\varphi})$	C
uphi_31	$(\varphi^{\dagger} \varphi) (\bar{q}_3 u_1 \tilde{\varphi})$	C
uphi_32	$(\varphi^{\dagger} \varphi) (\bar{q}_3 u_2 \tilde{\varphi})$	C
uphi_33	$(\varphi^{\dagger} \varphi) (\bar{q}_3 u_3 \tilde{\varphi})$	C
dphi_11	$(\varphi^{\dagger} \varphi) (\bar{q}_1 d_1 \varphi)$	C
dphi_12	$(\varphi^{\dagger} \varphi) (\bar{q}_1 d_2 \varphi)$	C
dphi_13	$(\varphi^{\dagger} \varphi) (\bar{q}_1 d_3 \varphi)$	C
dphi_21	$(\varphi^{\dagger} \varphi) (\bar{q}_2 d_1 \varphi)$	C
dphi_22	$(\varphi^{\dagger} \varphi) (\bar{q}_2 d_2 \varphi)$	C

WC name	Operator	Type
dphi_23	$(\varphi^\dagger \varphi) (\bar{q}_2 d_3 \varphi)$	C
dphi_31	$(\varphi^\dagger \varphi) (\bar{q}_3 d_1 \varphi)$	C
dphi_32	$(\varphi^\dagger \varphi) (\bar{q}_3 d_2 \varphi)$	C
dphi_33	$(\varphi^\dagger \varphi) (\bar{q}_3 d_3 \varphi)$	C
ephi_11	$(\varphi^\dagger \varphi) (\bar{\ell}_1 e_1 \varphi)$	C
ephi_12	$(\varphi^\dagger \varphi) (\bar{\ell}_1 e_2 \varphi)$	C
ephi_13	$(\varphi^\dagger \varphi) (\bar{\ell}_1 e_3 \varphi)$	C
ephi_21	$(\varphi^\dagger \varphi) (\bar{\ell}_2 e_1 \varphi)$	C
ephi_22	$(\varphi^\dagger \varphi) (\bar{\ell}_2 e_2 \varphi)$	C
ephi_23	$(\varphi^\dagger \varphi) (\bar{\ell}_2 e_3 \varphi)$	C
ephi_31	$(\varphi^\dagger \varphi) (\bar{\ell}_3 e_1 \varphi)$	C
ephi_32	$(\varphi^\dagger \varphi) (\bar{\ell}_3 e_2 \varphi)$	C
ephi_33	$(\varphi^\dagger \varphi) (\bar{\ell}_3 e_3 \varphi)$	C
eW_11	$(\bar{\ell}_1 \sigma^{\mu\nu} e_1) \tau^I \varphi W_{\mu\nu}^I$	C
eW_12	$(\bar{\ell}_1 \sigma^{\mu\nu} e_2) \tau^I \varphi W_{\mu\nu}^I$	C
eW_13	$(\bar{\ell}_1 \sigma^{\mu\nu} e_3) \tau^I \varphi W_{\mu\nu}^I$	C
eW_21	$(\bar{\ell}_2 \sigma^{\mu\nu} e_1) \tau^I \varphi W_{\mu\nu}^I$	C
eW_22	$(\bar{\ell}_2 \sigma^{\mu\nu} e_2) \tau^I \varphi W_{\mu\nu}^I$	C
eW_23	$(\bar{\ell}_2 \sigma^{\mu\nu} e_3) \tau^I \varphi W_{\mu\nu}^I$	C
eW_31	$(\bar{\ell}_3 \sigma^{\mu\nu} e_1) \tau^I \varphi W_{\mu\nu}^I$	C
eW_32	$(\bar{\ell}_3 \sigma^{\mu\nu} e_2) \tau^I \varphi W_{\mu\nu}^I$	C
eW_33	$(\bar{\ell}_3 \sigma^{\mu\nu} e_3) \tau^I \varphi W_{\mu\nu}^I$	C
eB_11	$(\bar{\ell}_1 \sigma^{\mu\nu} e_1) \varphi B_{\mu\nu}$	C
eB_12	$(\bar{\ell}_1 \sigma^{\mu\nu} e_2) \varphi B_{\mu\nu}$	C
eB_13	$(\bar{\ell}_1 \sigma^{\mu\nu} e_3) \varphi B_{\mu\nu}$	C
eB_21	$(\bar{\ell}_2 \sigma^{\mu\nu} e_1) \varphi B_{\mu\nu}$	C
eB_22	$(\bar{\ell}_2 \sigma^{\mu\nu} e_2) \varphi B_{\mu\nu}$	C
eB_23	$(\bar{\ell}_2 \sigma^{\mu\nu} e_3) \varphi B_{\mu\nu}$	C
eB_31	$(\bar{\ell}_3 \sigma^{\mu\nu} e_1) \varphi B_{\mu\nu}$	C
eB_32	$(\bar{\ell}_3 \sigma^{\mu\nu} e_2) \varphi B_{\mu\nu}$	C
eB_33	$(\bar{\ell}_3 \sigma^{\mu\nu} e_3) \varphi B_{\mu\nu}$	C
uG_11	$(\bar{q}_1 \sigma^{\mu\nu} T^A u_1) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_12	$(\bar{q}_1 \sigma^{\mu\nu} T^A u_2) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_13	$(\bar{q}_1 \sigma^{\mu\nu} T^A u_3) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_21	$(\bar{q}_2 \sigma^{\mu\nu} T^A u_1) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_22	$(\bar{q}_2 \sigma^{\mu\nu} T^A u_2) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_23	$(\bar{q}_2 \sigma^{\mu\nu} T^A u_3) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_31	$(\bar{q}_3 \sigma^{\mu\nu} T^A u_1) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_32	$(\bar{q}_3 \sigma^{\mu\nu} T^A u_2) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_33	$(\bar{q}_3 \sigma^{\mu\nu} T^A u_3) \tilde{\varphi} G_{\mu\nu}^A$	C
uW_11	$(\bar{q}_1 \sigma^{\mu\nu} u_1) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_12	$(\bar{q}_1 \sigma^{\mu\nu} u_2) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C

WC name	Operator	Type
uW_13	$(\bar{q}_1 \sigma^{\mu\nu} u_3) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_21	$(\bar{q}_2 \sigma^{\mu\nu} u_1) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_22	$(\bar{q}_2 \sigma^{\mu\nu} u_2) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_23	$(\bar{q}_2 \sigma^{\mu\nu} u_3) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_31	$(\bar{q}_3 \sigma^{\mu\nu} u_1) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_32	$(\bar{q}_3 \sigma^{\mu\nu} u_2) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_33	$(\bar{q}_3 \sigma^{\mu\nu} u_3) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uB_11	$(\bar{q}_1 \sigma^{\mu\nu} u_1) \tilde{\varphi} B_{\mu\nu}$	C
uB_12	$(\bar{q}_1 \sigma^{\mu\nu} u_2) \tilde{\varphi} B_{\mu\nu}$	C
uB_13	$(\bar{q}_1 \sigma^{\mu\nu} u_3) \tilde{\varphi} B_{\mu\nu}$	C
uB_21	$(\bar{q}_2 \sigma^{\mu\nu} u_1) \tilde{\varphi} B_{\mu\nu}$	C
uB_22	$(\bar{q}_2 \sigma^{\mu\nu} u_2) \tilde{\varphi} B_{\mu\nu}$	C
uB_23	$(\bar{q}_2 \sigma^{\mu\nu} u_3) \tilde{\varphi} B_{\mu\nu}$	C
uB_31	$(\bar{q}_3 \sigma^{\mu\nu} u_1) \tilde{\varphi} B_{\mu\nu}$	C
uB_32	$(\bar{q}_3 \sigma^{\mu\nu} u_2) \tilde{\varphi} B_{\mu\nu}$	C
uB_33	$(\bar{q}_3 \sigma^{\mu\nu} u_3) \tilde{\varphi} B_{\mu\nu}$	C
dG_11	$(\bar{q}_1 \sigma^{\mu\nu} T^A d_1) \varphi G_{\mu\nu}^A$	C
dG_12	$(\bar{q}_1 \sigma^{\mu\nu} T^A d_2) \varphi G_{\mu\nu}^A$	C
dG_13	$(\bar{q}_1 \sigma^{\mu\nu} T^A d_3) \varphi G_{\mu\nu}^A$	C
dG_21	$(\bar{q}_2 \sigma^{\mu\nu} T^A d_1) \varphi G_{\mu\nu}^A$	C
dG_22	$(\bar{q}_2 \sigma^{\mu\nu} T^A d_2) \varphi G_{\mu\nu}^A$	C
dG_23	$(\bar{q}_2 \sigma^{\mu\nu} T^A d_3) \varphi G_{\mu\nu}^A$	C
dG_31	$(\bar{q}_3 \sigma^{\mu\nu} T^A d_1) \varphi G_{\mu\nu}^A$	C
dG_32	$(\bar{q}_3 \sigma^{\mu\nu} T^A d_2) \varphi G_{\mu\nu}^A$	C
dG_33	$(\bar{q}_3 \sigma^{\mu\nu} T^A d_3) \varphi G_{\mu\nu}^A$	C
dW_11	$(\bar{q}_1 \sigma^{\mu\nu} d_1) \tau^I \varphi W_{\mu\nu}^I$	C
dW_12	$(\bar{q}_1 \sigma^{\mu\nu} d_2) \tau^I \varphi W_{\mu\nu}^I$	C
dW_13	$(\bar{q}_1 \sigma^{\mu\nu} d_3) \tau^I \varphi W_{\mu\nu}^I$	C
dW_21	$(\bar{q}_2 \sigma^{\mu\nu} d_1) \tau^I \varphi W_{\mu\nu}^I$	C
dW_22	$(\bar{q}_2 \sigma^{\mu\nu} d_2) \tau^I \varphi W_{\mu\nu}^I$	C
dW_23	$(\bar{q}_2 \sigma^{\mu\nu} d_3) \tau^I \varphi W_{\mu\nu}^I$	C
dW_31	$(\bar{q}_3 \sigma^{\mu\nu} d_1) \tau^I \varphi W_{\mu\nu}^I$	C
dW_32	$(\bar{q}_3 \sigma^{\mu\nu} d_2) \tau^I \varphi W_{\mu\nu}^I$	C
dW_33	$(\bar{q}_3 \sigma^{\mu\nu} d_3) \tau^I \varphi W_{\mu\nu}^I$	C
dB_11	$(\bar{q}_1 \sigma^{\mu\nu} d_1) \varphi B_{\mu\nu}$	C
dB_12	$(\bar{q}_1 \sigma^{\mu\nu} d_2) \varphi B_{\mu\nu}$	C
dB_13	$(\bar{q}_1 \sigma^{\mu\nu} d_3) \varphi B_{\mu\nu}$	C
dB_21	$(\bar{q}_2 \sigma^{\mu\nu} d_1) \varphi B_{\mu\nu}$	C
dB_22	$(\bar{q}_2 \sigma^{\mu\nu} d_2) \varphi B_{\mu\nu}$	C
dB_23	$(\bar{q}_2 \sigma^{\mu\nu} d_3) \varphi B_{\mu\nu}$	C
dB_31	$(\bar{q}_3 \sigma^{\mu\nu} d_1) \varphi B_{\mu\nu}$	C
dB_32	$(\bar{q}_3 \sigma^{\mu\nu} d_2) \varphi B_{\mu\nu}$	C
dB_33	$(\bar{q}_3 \sigma^{\mu\nu} d_3) \varphi B_{\mu\nu}$	C

WC name	Operator	Type
phil1_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_1 \gamma^\mu \ell_1)$	R
phil1_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_1 \gamma^\mu \ell_2)$	C
phil1_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_1 \gamma^\mu \ell_3)$	C
phil1_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_2 \gamma^\mu \ell_2)$	R
phil1_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
phil1_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_3 \gamma^\mu \ell_3)$	R
phil3_11	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_1 \tau^I \gamma^\mu \ell_1)$	R
phil3_12	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_1 \tau^I \gamma^\mu \ell_2)$	C
phil3_13	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_1 \tau^I \gamma^\mu \ell_3)$	C
phil3_22	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_2 \tau^I \gamma^\mu \ell_2)$	R
phil3_23	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_2 \tau^I \gamma^\mu \ell_3)$	C
phil3_33	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_3 \tau^I \gamma^\mu \ell_3)$	R
phie_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_1 \gamma^\mu e_1)$	R
phie_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_1 \gamma^\mu e_2)$	C
phie_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_1 \gamma^\mu e_3)$	C
phie_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_2 \gamma^\mu e_2)$	R
phie_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_2 \gamma^\mu e_3)$	C
phie_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_3 \gamma^\mu e_3)$	R
phiq1_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_1 \gamma^\mu q_1)$	R
phiq1_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_1 \gamma^\mu q_2)$	C
phiq1_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_1 \gamma^\mu q_3)$	C
phiq1_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_2 \gamma^\mu q_2)$	R

WC name	Operator	Type
phiq1_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_2 \gamma^\mu q_3)$	C
phiq1_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_3 \gamma^\mu q_3)$	R
phiq3_11	$\left( \varphi^\dagger i \overleftrightarrow{D} I m u \varphi \right) (\bar{q}_1 \tau^I \gamma^\mu q_1)$	R
phiq3_12	$\left( \varphi^\dagger i \overleftrightarrow{D} I m u \varphi \right) (\bar{q}_1 \tau^I \gamma^\mu q_2)$	C
phiq3_13	$\left( \varphi^\dagger i \overleftrightarrow{D} I m u \varphi \right) (\bar{q}_1 \tau^I \gamma^\mu q_3)$	C
phiq3_22	$\left( \varphi^\dagger i \overleftrightarrow{D} I m u \varphi \right) (\bar{q}_2 \tau^I \gamma^\mu q_2)$	R
phiq3_23	$\left( \varphi^\dagger i \overleftrightarrow{D} I m u \varphi \right) (\bar{q}_2 \tau^I \gamma^\mu q_3)$	C
phiq3_33	$\left( \varphi^\dagger i \overleftrightarrow{D} I m u \varphi \right) (\bar{q}_3 \tau^I \gamma^\mu q_3)$	R
phiu_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_1 \gamma^\mu u_1)$	R
phiu_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_1 \gamma^\mu u_2)$	C
phiu_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_1 \gamma^\mu u_3)$	C
phiu_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_2 \gamma^\mu u_2)$	R
phiu_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_2 \gamma^\mu u_3)$	C
phiu_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_3 \gamma^\mu u_3)$	R
phid_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_1 \gamma^\mu d_1)$	R
phid_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_1 \gamma^\mu d_2)$	C
phid_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_1 \gamma^\mu d_3)$	C
phid_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_2 \gamma^\mu d_2)$	R
phid_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_2 \gamma^\mu d_3)$	C
phid_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_3 \gamma^\mu d_3)$	R
phiud_11	$\left( \tilde{\varphi}^\dagger i D_\mu \varphi \right) (\bar{u}_1 \gamma^\mu d_1)$	C
phiud_12	$\left( \tilde{\varphi}^\dagger i D_\mu \varphi \right) (\bar{u}_1 \gamma^\mu d_2)$	C
phiud_13	$\left( \tilde{\varphi}^\dagger i D_\mu \varphi \right) (\bar{u}_1 \gamma^\mu d_3)$	C
phiud_21	$\left( \tilde{\varphi}^\dagger i D_\mu \varphi \right) (\bar{u}_2 \gamma^\mu d_1)$	C

WC name	Operator	Type
phiud_22	$(\bar{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_2 \gamma^\mu d_2)$	C
phiud_23	$(\bar{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_2 \gamma^\mu d_3)$	C
phiud_31	$(\bar{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_3 \gamma^\mu d_1)$	C
phiud_32	$(\bar{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_3 \gamma^\mu d_2)$	C
phiud_33	$(\bar{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_3 \gamma^\mu d_3)$	C
ll_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_1 \gamma^\mu \ell_1)$	R
ll_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_1 \gamma^\mu \ell_2)$	C
ll_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_1 \gamma^\mu \ell_3)$	C
ll_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_2 \gamma^\mu \ell_2)$	R
ll_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_3 \gamma^\mu \ell_3)$	R
ll_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_1 \gamma^\mu \ell_2)$	C
ll_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_1 \gamma^\mu \ell_3)$	C
ll_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_1)$	R
ll_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_2)$	C
ll_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_1)$	C
ll_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_2)$	C
ll_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_3)$	C
ll_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_1 \gamma^\mu \ell_3)$	C
ll_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_2)$	C
ll_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_1)$	R
ll_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_2)$	C
ll_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_3)$	C
ll_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_2)$	R
ll_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_3)$	R
ll_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_2)$	R
ll_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_3)$	C
ll_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_3)$	R
qq1_1111	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_1 \gamma^\mu q_1)$	R
qq1_1112	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_1 \gamma^\mu q_2)$	C
qq1_1113	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_1 \gamma^\mu q_3)$	C
qq1_1122	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_2 \gamma^\mu q_2)$	R
qq1_1123	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_1133	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_3 \gamma^\mu q_3)$	R
qq1_1212	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_1 \gamma^\mu q_2)$	C
qq1_1213	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_1 \gamma^\mu q_3)$	C
qq1_1221	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_1)$	R
qq1_1222	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_2)$	C
qq1_1223	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_3)$	C

WC name	Operator	Type
qq1_1231	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_3 \gamma^\mu q_1)$	C
qq1_1232	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_3 \gamma^\mu q_2)$	C
qq1_1233	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_3 \gamma^\mu q_3)$	C
qq1_1313	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_1 \gamma^\mu q_3)$	C
qq1_1322	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_2 \gamma^\mu q_2)$	C
qq1_1323	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_1331	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_1)$	R
qq1_1332	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_2)$	C
qq1_1333	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_3)$	C
qq1_2222	$(\bar{q}_2 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_2)$	R
qq1_2223	$(\bar{q}_2 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_2233	$(\bar{q}_2 \gamma_\mu q_2) (\bar{q}_3 \gamma^\mu q_3)$	R
qq1_2323	$(\bar{q}_2 \gamma_\mu q_3) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_2332	$(\bar{q}_2 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_2)$	R
qq1_2333	$(\bar{q}_2 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_3)$	C
qq1_3333	$(\bar{q}_3 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_3)$	R
qq3_1111	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_1 \gamma^\mu \tau^I q_1)$	R
qq3_1112	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
qq3_1113	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
qq3_1122	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	R
qq3_1123	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_1133	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
qq3_1212	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
qq3_1213	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
qq3_1221	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_1)$	R
qq3_1222	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	C
qq3_1223	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_1231	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_3 \gamma^\mu \tau^I q_1)$	C
qq3_1232	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	C
qq3_1233	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
qq3_1313	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
qq3_1322	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	C
qq3_1323	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_1331	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_1)$	R
qq3_1332	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	C
qq3_1333	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
qq3_2222	$(\bar{q}_2 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	R
qq3_2223	$(\bar{q}_2 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_2233	$(\bar{q}_2 \gamma_\mu \tau^I q_2) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
qq3_2323	$(\bar{q}_2 \gamma_\mu \tau^I q_3) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_2332	$(\bar{q}_2 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	R
qq3_2333	$(\bar{q}_2 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
qq3_3333	$(\bar{q}_3 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
lq1_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_1 \gamma^\mu q_1)$	R

WC name	Operator	Type
1q1_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_1 \gamma^\mu q_2)$	C
1q1_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_1 \gamma^\mu q_3)$	C
1q1_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_2 \gamma^\mu q_2)$	R
1q1_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_2 \gamma^\mu q_3)$	C
1q1_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_3 \gamma^\mu q_3)$	R
1q1_1211	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_1)$	C
1q1_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_2)$	C
1q1_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_3)$	C
1q1_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_1)$	C
1q1_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_2)$	C
1q1_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_3)$	C
1q1_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_3 \gamma^\mu q_1)$	C
1q1_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_3 \gamma^\mu q_2)$	C
1q1_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_3 \gamma^\mu q_3)$	C
1q1_1311	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_1)$	C
1q1_1312	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_2)$	C
1q1_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_3)$	C
1q1_1321	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_1)$	C
1q1_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_2)$	C
1q1_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_3)$	C
1q1_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_1)$	C
1q1_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_2)$	C
1q1_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_3)$	C
1q1_2211	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_1)$	R
1q1_2212	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_2)$	C
1q1_2213	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_3)$	C
1q1_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_2)$	R
1q1_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_3)$	C
1q1_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_3 \gamma^\mu q_3)$	R
1q1_2311	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_1)$	C
1q1_2312	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_2)$	C
1q1_2313	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_3)$	C
1q1_2321	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_1)$	C
1q1_2322	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_2)$	C
1q1_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_3)$	C
1q1_2331	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_1)$	C
1q1_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_2)$	C
1q1_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_3)$	C
1q1_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_1)$	R
1q1_3312	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_2)$	C
1q1_3313	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_3)$	C
1q1_3322	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_2)$	R





WC name	Operator	Type
1q3_3312	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
1q3_3313	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
1q3_3322	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	R
1q3_3323	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
1q3_3333	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
ee_1111	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_1 \gamma^\mu e_1)$	R
ee_1112	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_1 \gamma^\mu e_2)$	C
ee_1113	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_1 \gamma^\mu e_3)$	C
ee_1122	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_2 \gamma^\mu e_2)$	R
ee_1123	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_1133	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_3 \gamma^\mu e_3)$	R
ee_1212	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_1 \gamma^\mu e_2)$	C
ee_1213	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_1 \gamma^\mu e_3)$	C
ee_1222	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_2 \gamma^\mu e_2)$	C
ee_1223	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_1232	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_3 \gamma^\mu e_2)$	C
ee_1233	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_3 \gamma^\mu e_3)$	C
ee_1313	$(\bar{e}_1 \gamma_\mu e_3) (\bar{e}_1 \gamma^\mu e_3)$	C
ee_1323	$(\bar{e}_1 \gamma_\mu e_3) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_1333	$(\bar{e}_1 \gamma_\mu e_3) (\bar{e}_3 \gamma^\mu e_3)$	C
ee_2222	$(\bar{e}_2 \gamma_\mu e_2) (\bar{e}_2 \gamma^\mu e_2)$	R
ee_2223	$(\bar{e}_2 \gamma_\mu e_2) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_2233	$(\bar{e}_2 \gamma_\mu e_2) (\bar{e}_3 \gamma^\mu e_3)$	R
ee_2323	$(\bar{e}_2 \gamma_\mu e_3) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_2333	$(\bar{e}_2 \gamma_\mu e_3) (\bar{e}_3 \gamma^\mu e_3)$	C
ee_3333	$(\bar{e}_3 \gamma_\mu e_3) (\bar{e}_3 \gamma^\mu e_3)$	R
uu_1111	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_1 \gamma^\mu u_1)$	R
uu_1112	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_1 \gamma^\mu u_2)$	C
uu_1113	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_1 \gamma^\mu u_3)$	C
uu_1122	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_2 \gamma^\mu u_2)$	R
uu_1123	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_1133	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_3 \gamma^\mu u_3)$	R
uu_1212	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_1 \gamma^\mu u_2)$	C
uu_1213	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_1 \gamma^\mu u_3)$	C
uu_1221	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_1)$	R
uu_1222	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_2)$	C
uu_1223	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_1231	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_3 \gamma^\mu u_1)$	C
uu_1232	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_3 \gamma^\mu u_2)$	C
uu_1233	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_3 \gamma^\mu u_3)$	C
uu_1313	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_1 \gamma^\mu u_3)$	C
uu_1322	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_2 \gamma^\mu u_2)$	C
uu_1323	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_1331	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_1)$	R

WC name	Operator	Type
uu_1332	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_2)$	C
uu_1333	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_3)$	C
uu_2222	$(\bar{u}_2 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_2)$	R
uu_2223	$(\bar{u}_2 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_2233	$(\bar{u}_2 \gamma_\mu u_2) (\bar{u}_3 \gamma^\mu u_3)$	R
uu_2323	$(\bar{u}_2 \gamma_\mu u_3) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_2332	$(\bar{u}_2 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_2)$	R
uu_2333	$(\bar{u}_2 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_3)$	C
uu_3333	$(\bar{u}_3 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_3)$	R
dd_1111	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_1 \gamma^\mu d_1)$	R
dd_1112	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_1 \gamma^\mu d_2)$	C
dd_1113	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_1 \gamma^\mu d_3)$	C
dd_1122	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_2 \gamma^\mu d_2)$	R
dd_1123	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_1133	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_3 \gamma^\mu d_3)$	R
dd_1212	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_1 \gamma^\mu d_2)$	C
dd_1213	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_1 \gamma^\mu d_3)$	C
dd_1221	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_1)$	R
dd_1222	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_2)$	C
dd_1223	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_1231	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_3 \gamma^\mu d_1)$	C
dd_1232	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_3 \gamma^\mu d_2)$	C
dd_1233	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_3 \gamma^\mu d_3)$	C
dd_1313	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_1 \gamma^\mu d_3)$	C
dd_1322	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_2 \gamma^\mu d_2)$	C
dd_1323	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_1331	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_1)$	R
dd_1332	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_2)$	C
dd_1333	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_3)$	C
dd_2222	$(\bar{d}_2 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_2)$	R
dd_2223	$(\bar{d}_2 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_2233	$(\bar{d}_2 \gamma_\mu d_2) (\bar{d}_3 \gamma^\mu d_3)$	R
dd_2323	$(\bar{d}_2 \gamma_\mu d_3) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_2332	$(\bar{d}_2 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_2)$	R
dd_2333	$(\bar{d}_2 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_3)$	C
dd_3333	$(\bar{d}_3 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_3)$	R
eu_1111	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_1 \gamma^\mu u_1)$	R
eu_1112	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_1113	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_1122	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_2 \gamma^\mu u_2)$	R
eu_1123	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_1133	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_3 \gamma^\mu u_3)$	R
eu_1211	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_1)$	C

WC name	Operator	Type
eu_1212	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_1213	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_1221	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_1)$	C
eu_1222	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_2)$	C
eu_1223	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_1231	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_3 \gamma^\mu u_1)$	C
eu_1232	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_3 \gamma^\mu u_2)$	C
eu_1233	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_3 \gamma^\mu u_3)$	C
eu_1311	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_1)$	C
eu_1312	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_1313	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_1321	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_1)$	C
eu_1322	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_2)$	C
eu_1323	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_1331	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_1)$	C
eu_1332	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_2)$	C
eu_1333	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_3)$	C
eu_2211	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_1)$	R
eu_2212	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_2213	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_2222	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_2)$	R
eu_2223	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_2233	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_3 \gamma^\mu u_3)$	R
eu_2311	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_1)$	C
eu_2312	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_2313	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_2321	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_1)$	C
eu_2322	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_2)$	C
eu_2323	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_2331	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_1)$	C
eu_2332	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_2)$	C
eu_2333	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_3)$	C
eu_3311	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_1)$	R
eu_3312	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_3313	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_3322	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_2)$	R
eu_3323	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_3333	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_3)$	R
ed_1111	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_1 \gamma^\mu d_1)$	R
ed_1112	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_1113	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_1122	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_2 \gamma^\mu d_2)$	R
ed_1123	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_1133	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_3 \gamma^\mu d_3)$	R

WC name	Operator	Type
ed_1211	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_1)$	C
ed_1212	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_1213	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_1221	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_1)$	C
ed_1222	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_2)$	C
ed_1223	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_1231	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_3 \gamma^\mu d_1)$	C
ed_1232	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_3 \gamma^\mu d_2)$	C
ed_1233	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_3 \gamma^\mu d_3)$	C
ed_1311	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_1)$	C
ed_1312	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_1313	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_1321	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_1)$	C
ed_1322	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_2)$	C
ed_1323	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_1331	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_1)$	C
ed_1332	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_2)$	C
ed_1333	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_3)$	C
ed_2211	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_1)$	R
ed_2212	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_2213	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_2222	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_2)$	R
ed_2223	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_2233	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_3 \gamma^\mu d_3)$	R
ed_2311	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_1)$	C
ed_2312	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_2313	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_2321	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_1)$	C
ed_2322	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_2)$	C
ed_2323	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_2331	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_1)$	C
ed_2332	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_2)$	C
ed_2333	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_3)$	C
ed_3311	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_1)$	R
ed_3312	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_3313	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_3322	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_2)$	R
ed_3323	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_3333	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_3)$	R
ud1_1111	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_1 \gamma^\mu d_1)$	R
ud1_1112	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_1113	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_1 \gamma^\mu d_3)$	C

WC name	Operator	Type
ud1_1122	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_2 \gamma^\mu d_2)$	R
ud1_1123	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_1133	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_3 \gamma^\mu d_3)$	R
ud1_1211	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_1)$	C
ud1_1212	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_1213	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_1221	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_1)$	C
ud1_1222	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_2)$	C
ud1_1223	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_1231	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_3 \gamma^\mu d_1)$	C
ud1_1232	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_3 \gamma^\mu d_2)$	C
ud1_1233	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_3 \gamma^\mu d_3)$	C
ud1_1311	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_1)$	C
ud1_1312	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_1313	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_1321	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_1)$	C
ud1_1322	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_2)$	C
ud1_1323	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_1331	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_1)$	C
ud1_1332	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_2)$	C
ud1_1333	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_3)$	C
ud1_2211	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_1)$	R
ud1_2212	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_2213	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_2222	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_2)$	R
ud1_2223	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_2233	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_3 \gamma^\mu d_3)$	R
ud1_2311	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_1)$	C
ud1_2312	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_2313	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_2321	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_1)$	C
ud1_2322	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_2)$	C
ud1_2323	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_2331	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_1)$	C
ud1_2332	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_2)$	C
ud1_2333	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_3)$	C
ud1_3311	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_1)$	R
ud1_3312	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_3313	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_3322	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_2)$	R
ud1_3323	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_3333	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_3)$	R

WC name	Operator	Type
ud8_1111	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
ud8_1112	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_1113	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_1122	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
ud8_1123	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_1133	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
ud8_1211	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
ud8_1212	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_1213	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_1221	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
ud8_1222	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
ud8_1223	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_1231	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
ud8_1232	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
ud8_1233	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
ud8_1311	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
ud8_1312	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_1313	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_1321	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
ud8_1322	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
ud8_1323	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_1331	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
ud8_1332	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
ud8_1333	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
ud8_2211	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
ud8_2212	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_2213	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_2222	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
ud8_2223	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_2233	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
ud8_2311	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
ud8_2312	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_2313	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_2321	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
ud8_2322	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
ud8_2323	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_2331	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
ud8_2332	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
ud8_2333	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
ud8_3311	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
ud8_3312	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_3313	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C

WC name	Operator	Type
ud8_3322	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
ud8_3323	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_3333	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
1e_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_1 \gamma^\mu e_1)$	R
1e_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_2 \gamma^\mu e_2)$	R
1e_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_3 \gamma^\mu e_3)$	R
1e_1211	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_1)$	C
1e_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_1)$	C
1e_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_2)$	C
1e_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_3 \gamma^\mu e_1)$	C
1e_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_3 \gamma^\mu e_2)$	C
1e_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_3 \gamma^\mu e_3)$	C
1e_1311	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_1)$	C
1e_1312	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_1321	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_1)$	C
1e_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_2)$	C
1e_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_1)$	C
1e_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_2)$	C
1e_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_3)$	C
1e_2211	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_1)$	R
1e_2212	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_2213	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_2)$	R
1e_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_3 \gamma^\mu e_3)$	R
1e_2311	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_1)$	C
1e_2312	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_2313	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_2321	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_1)$	C
1e_2322	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_2)$	C
1e_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_2331	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_1)$	C
1e_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_2)$	C
1e_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_3)$	C



WC name	Operator	Type
1e_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_1)$	R
1e_3312	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_3313	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_3322	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_2)$	R
1e_3323	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_3)$	R
1u_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_1 \gamma^\mu u_1)$	R
1u_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_2 \gamma^\mu u_2)$	R
1u_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_3 \gamma^\mu u_3)$	R
1u_1211	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_1)$	C
1u_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_1)$	C
1u_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_2)$	C
1u_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_3 \gamma^\mu u_1)$	C
1u_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_3 \gamma^\mu u_2)$	C
1u_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_3 \gamma^\mu u_3)$	C
1u_1311	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_1)$	C
1u_1312	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_1321	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_1)$	C
1u_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_2)$	C
1u_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_1)$	C
1u_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_2)$	C
1u_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_3)$	C
1u_2211	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_1)$	R
1u_2212	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_2213	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_2)$	R
1u_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_3 \gamma^\mu u_3)$	R
1u_2311	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_1)$	C
1u_2312	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_2313	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_2321	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_1)$	C
1u_2322	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_2)$	C
1u_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_3)$	C

WC name	Operator	Type
1u_2331	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_1)$	C
1u_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_2)$	C
1u_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_3)$	C
1u_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_1)$	R
1u_3312	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_3313	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_3322	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_2)$	R
1u_3323	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_3)$	R
1d_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_1 \gamma^\mu d_1)$	R
1d_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_2 \gamma^\mu d_2)$	R
1d_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_3 \gamma^\mu d_3)$	R
1d_1211	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_1)$	C
1d_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_1)$	C
1d_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_2)$	C
1d_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_1)$	C
1d_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_2)$	C
1d_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_3)$	C
1d_1311	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_1)$	C
1d_1312	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_1321	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_1)$	C
1d_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_2)$	C
1d_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_1)$	C
1d_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_2)$	C
1d_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_3)$	C
1d_2211	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_1)$	R
1d_2212	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_2213	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_2)$	R
1d_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_3)$	R
1d_2311	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_1)$	C
1d_2312	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_2313	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_3)$	C

WC name	Operator	Type
1d_2321	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_1)$	C
1d_2322	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_2)$	C
1d_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_2331	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_1)$	C
1d_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_2)$	C
1d_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_3)$	C
1d_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_1)$	R
1d_3312	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_3313	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_3322	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_2)$	R
1d_3323	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_3)$	R
qe_1111	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_1 \gamma^\mu e_1)$	R
qe_1112	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_1113	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_1122	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_2 \gamma^\mu e_2)$	R
qe_1123	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_1133	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_3 \gamma^\mu e_3)$	R
qe_1211	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_1)$	C
qe_1212	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_1213	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_1221	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_1)$	C
qe_1222	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_2)$	C
qe_1223	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_1231	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_3 \gamma^\mu e_1)$	C
qe_1232	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_3 \gamma^\mu e_2)$	C
qe_1233	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_3 \gamma^\mu e_3)$	C
qe_1311	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_1)$	C
qe_1312	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_1313	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_1321	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_1)$	C
qe_1322	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_2)$	C
qe_1323	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_1331	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_1)$	C
qe_1332	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_2)$	C
qe_1333	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_3)$	C
qe_2211	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_1)$	R
qe_2212	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_2213	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_2222	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_2)$	R
qe_2223	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_2233	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_3 \gamma^\mu e_3)$	R
qe_2311	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_1)$	C

WC name	Operator	Type
qe_2312	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_2313	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_2321	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_1)$	C
qe_2322	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_2)$	C
qe_2323	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_2331	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_1)$	C
qe_2332	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_2)$	C
qe_2333	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_3)$	C
qe_3311	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_1)$	R
qe_3312	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_3313	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_3322	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_2)$	R
qe_3323	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_3333	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_3)$	R
qu1_1111	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_1 \gamma^\mu u_1)$	R
qu1_1112	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_1113	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_1122	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_2 \gamma^\mu u_2)$	R
qu1_1123	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_1133	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_3 \gamma^\mu u_3)$	R
qu1_1211	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_1)$	C
qu1_1212	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_1213	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_1221	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_1)$	C
qu1_1222	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_2)$	C
qu1_1223	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_1231	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_3 \gamma^\mu u_1)$	C
qu1_1232	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_3 \gamma^\mu u_2)$	C
qu1_1233	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_3 \gamma^\mu u_3)$	C
qu1_1311	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_1)$	C
qu1_1312	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_1313	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_1321	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_1)$	C
qu1_1322	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_2)$	C
qu1_1323	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_1331	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_1)$	C
qu1_1332	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_2)$	C
qu1_1333	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_3)$	C
qu1_2211	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_1)$	R
qu1_2212	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_2213	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_2222	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_2)$	R
qu1_2223	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_2233	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_3 \gamma^\mu u_3)$	R

WC name	Operator	Type
qu1_2311	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_1)$	C
qu1_2312	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_2313	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_2321	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_1)$	C
qu1_2322	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_2)$	C
qu1_2323	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_2331	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_1)$	C
qu1_2332	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_2)$	C
qu1_2333	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_3)$	C
qu1_3311	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_1)$	R
qu1_3312	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_3313	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_3322	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_2)$	R
qu1_3323	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_3333	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_3)$	R
qd1_1111	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_1 \gamma^\mu d_1)$	R
qd1_1112	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_1113	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_1122	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_2 \gamma^\mu d_2)$	R
qd1_1123	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_1133	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_3 \gamma^\mu d_3)$	R
qd1_1211	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_1)$	C
qd1_1212	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_1213	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_1221	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_1)$	C
qd1_1222	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_2)$	C
qd1_1223	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_1231	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_3 \gamma^\mu d_1)$	C
qd1_1232	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_3 \gamma^\mu d_2)$	C
qd1_1233	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_3 \gamma^\mu d_3)$	C
qd1_1311	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_1)$	C
qd1_1312	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_1313	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_1321	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_1)$	C
qd1_1322	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_2)$	C
qd1_1323	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_1331	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_1)$	C
qd1_1332	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_2)$	C
qd1_1333	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_3)$	C
qd1_2211	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_1)$	R
qd1_2212	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_2213	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_2222	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_2)$	R

WC name	Operator	Type
qd1_2223	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_2233	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_3 \gamma^\mu d_3)$	R
qd1_2311	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_1)$	C
qd1_2312	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_2313	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_2321	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_1)$	C
qd1_2322	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_2)$	C
qd1_2323	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_2331	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_1)$	C
qd1_2332	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_2)$	C
qd1_2333	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_3)$	C
qd1_3311	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_1)$	R
qd1_3312	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_3313	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_3322	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_2)$	R
qd1_3323	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_3333	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_3)$	R
qu8_1111	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_1 \gamma^\mu T^A u_1)$	R
qu8_1112	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_1113	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_1122	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_2 \gamma^\mu T^A u_2)$	R
qu8_1123	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_1133	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_3 \gamma^\mu T^A u_3)$	R
qu8_1211	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_1)$	C
qu8_1212	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_1213	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_1221	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_1)$	C
qu8_1222	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_2)$	C
qu8_1223	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_1231	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_3 \gamma^\mu T^A u_1)$	C
qu8_1232	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_3 \gamma^\mu T^A u_2)$	C
qu8_1233	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_3 \gamma^\mu T^A u_3)$	C
qu8_1311	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_1)$	C
qu8_1312	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_1313	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_1321	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_1)$	C
qu8_1322	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_2)$	C
qu8_1323	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_1331	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_1)$	C
qu8_1332	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_2)$	C
qu8_1333	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_3)$	C
qu8_2211	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_1)$	R
qu8_2212	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_2)$	C

WC name	Operator	Type
qu8_2213	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_2222	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_2)$	R
qu8_2223	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_2233	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_3 \gamma^\mu T^A u_3)$	R
qu8_2311	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_1)$	C
qu8_2312	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_2313	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_2321	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_1)$	C
qu8_2322	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_2)$	C
qu8_2323	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_2331	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_1)$	C
qu8_2332	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_2)$	C
qu8_2333	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_3)$	C
qu8_3311	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_1)$	R
qu8_3312	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_3313	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_3322	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_2)$	R
qu8_3323	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_3333	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_3)$	R
qd8_1111	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
qd8_1112	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_1113	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_1122	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
qd8_1123	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_1133	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
qd8_1211	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
qd8_1212	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_1213	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_1221	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
qd8_1222	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
qd8_1223	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_1231	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
qd8_1232	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
qd8_1233	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
qd8_1311	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
qd8_1312	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_1313	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_1321	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
qd8_1322	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
qd8_1323	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_1331	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
qd8_1332	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
qd8_1333	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	C

WC name	Operator	Type
qd8_2211	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
qd8_2212	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_2213	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_2222	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
qd8_2223	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_2233	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
qd8_2311	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
qd8_2312	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_2313	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_2321	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
qd8_2322	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
qd8_2323	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_2331	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
qd8_2332	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
qd8_2333	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
qd8_3311	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
qd8_3312	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_3313	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_3322	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
qd8_3323	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_3333	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
ledq_1111	$(\bar{\ell}_1 e_1) (\bar{d}_1 q_1)$	C
ledq_1112	$(\bar{\ell}_1 e_1) (\bar{d}_1 q_2)$	C
ledq_1113	$(\bar{\ell}_1 e_1) (\bar{d}_1 q_3)$	C
ledq_1121	$(\bar{\ell}_1 e_1) (\bar{d}_2 q_1)$	C
ledq_1122	$(\bar{\ell}_1 e_1) (\bar{d}_2 q_2)$	C
ledq_1123	$(\bar{\ell}_1 e_1) (\bar{d}_2 q_3)$	C
ledq_1131	$(\bar{\ell}_1 e_1) (\bar{d}_3 q_1)$	C
ledq_1132	$(\bar{\ell}_1 e_1) (\bar{d}_3 q_2)$	C
ledq_1133	$(\bar{\ell}_1 e_1) (\bar{d}_3 q_3)$	C
ledq_1211	$(\bar{\ell}_1 e_2) (\bar{d}_1 q_1)$	C
ledq_1212	$(\bar{\ell}_1 e_2) (\bar{d}_1 q_2)$	C
ledq_1213	$(\bar{\ell}_1 e_2) (\bar{d}_1 q_3)$	C
ledq_1221	$(\bar{\ell}_1 e_2) (\bar{d}_2 q_1)$	C
ledq_1222	$(\bar{\ell}_1 e_2) (\bar{d}_2 q_2)$	C
ledq_1223	$(\bar{\ell}_1 e_2) (\bar{d}_2 q_3)$	C
ledq_1231	$(\bar{\ell}_1 e_2) (\bar{d}_3 q_1)$	C
ledq_1232	$(\bar{\ell}_1 e_2) (\bar{d}_3 q_2)$	C
ledq_1233	$(\bar{\ell}_1 e_2) (\bar{d}_3 q_3)$	C
ledq_1311	$(\bar{\ell}_1 e_3) (\bar{d}_1 q_1)$	C
ledq_1312	$(\bar{\ell}_1 e_3) (\bar{d}_1 q_2)$	C
ledq_1313	$(\bar{\ell}_1 e_3) (\bar{d}_1 q_3)$	C



WC name	Operator	Type
ledq_1321	$(\bar{\ell}_1 e_3) (\bar{d}_2 q_1)$	C
ledq_1322	$(\bar{\ell}_1 e_3) (\bar{d}_2 q_2)$	C
ledq_1323	$(\bar{\ell}_1 e_3) (\bar{d}_2 q_3)$	C
ledq_1331	$(\bar{\ell}_1 e_3) (\bar{d}_3 q_1)$	C
ledq_1332	$(\bar{\ell}_1 e_3) (\bar{d}_3 q_2)$	C
ledq_1333	$(\bar{\ell}_1 e_3) (\bar{d}_3 q_3)$	C
ledq_2111	$(\bar{\ell}_2 e_1) (\bar{d}_1 q_1)$	C
ledq_2112	$(\bar{\ell}_2 e_1) (\bar{d}_1 q_2)$	C
ledq_2113	$(\bar{\ell}_2 e_1) (\bar{d}_1 q_3)$	C
ledq_2121	$(\bar{\ell}_2 e_1) (\bar{d}_2 q_1)$	C
ledq_2122	$(\bar{\ell}_2 e_1) (\bar{d}_2 q_2)$	C
ledq_2123	$(\bar{\ell}_2 e_1) (\bar{d}_2 q_3)$	C
ledq_2131	$(\bar{\ell}_2 e_1) (\bar{d}_3 q_1)$	C
ledq_2132	$(\bar{\ell}_2 e_1) (\bar{d}_3 q_2)$	C
ledq_2133	$(\bar{\ell}_2 e_1) (\bar{d}_3 q_3)$	C
ledq_2211	$(\bar{\ell}_2 e_2) (\bar{d}_1 q_1)$	C
ledq_2212	$(\bar{\ell}_2 e_2) (\bar{d}_1 q_2)$	C
ledq_2213	$(\bar{\ell}_2 e_2) (\bar{d}_1 q_3)$	C
ledq_2221	$(\bar{\ell}_2 e_2) (\bar{d}_2 q_1)$	C
ledq_2222	$(\bar{\ell}_2 e_2) (\bar{d}_2 q_2)$	C
ledq_2223	$(\bar{\ell}_2 e_2) (\bar{d}_2 q_3)$	C
ledq_2231	$(\bar{\ell}_2 e_2) (\bar{d}_3 q_1)$	C
ledq_2232	$(\bar{\ell}_2 e_2) (\bar{d}_3 q_2)$	C
ledq_2233	$(\bar{\ell}_2 e_2) (\bar{d}_3 q_3)$	C
ledq_2311	$(\bar{\ell}_2 e_3) (\bar{d}_1 q_1)$	C
ledq_2312	$(\bar{\ell}_2 e_3) (\bar{d}_1 q_2)$	C
ledq_2313	$(\bar{\ell}_2 e_3) (\bar{d}_1 q_3)$	C
ledq_2321	$(\bar{\ell}_2 e_3) (\bar{d}_2 q_1)$	C
ledq_2322	$(\bar{\ell}_2 e_3) (\bar{d}_2 q_2)$	C
ledq_2323	$(\bar{\ell}_2 e_3) (\bar{d}_2 q_3)$	C
ledq_2331	$(\bar{\ell}_2 e_3) (\bar{d}_3 q_1)$	C
ledq_2332	$(\bar{\ell}_2 e_3) (\bar{d}_3 q_2)$	C
ledq_2333	$(\bar{\ell}_2 e_3) (\bar{d}_3 q_3)$	C
ledq_3111	$(\bar{\ell}_3 e_1) (\bar{d}_1 q_1)$	C
ledq_3112	$(\bar{\ell}_3 e_1) (\bar{d}_1 q_2)$	C
ledq_3113	$(\bar{\ell}_3 e_1) (\bar{d}_1 q_3)$	C
ledq_3121	$(\bar{\ell}_3 e_1) (\bar{d}_2 q_1)$	C
ledq_3122	$(\bar{\ell}_3 e_1) (\bar{d}_2 q_2)$	C
ledq_3123	$(\bar{\ell}_3 e_1) (\bar{d}_2 q_3)$	C
ledq_3131	$(\bar{\ell}_3 e_1) (\bar{d}_3 q_1)$	C
ledq_3132	$(\bar{\ell}_3 e_1) (\bar{d}_3 q_2)$	C
ledq_3133	$(\bar{\ell}_3 e_1) (\bar{d}_3 q_3)$	C

WC name	Operator	Type
ledq_3211	$(\bar{\ell}_3 e_2) (\bar{d}_1 q_1)$	C
ledq_3212	$(\bar{\ell}_3 e_2) (\bar{d}_1 q_2)$	C
ledq_3213	$(\bar{\ell}_3 e_2) (\bar{d}_1 q_3)$	C
ledq_3221	$(\bar{\ell}_3 e_2) (\bar{d}_2 q_1)$	C
ledq_3222	$(\bar{\ell}_3 e_2) (\bar{d}_2 q_2)$	C
ledq_3223	$(\bar{\ell}_3 e_2) (\bar{d}_2 q_3)$	C
ledq_3231	$(\bar{\ell}_3 e_2) (\bar{d}_3 q_1)$	C
ledq_3232	$(\bar{\ell}_3 e_2) (\bar{d}_3 q_2)$	C
ledq_3233	$(\bar{\ell}_3 e_2) (\bar{d}_3 q_3)$	C
ledq_3311	$(\bar{\ell}_3 e_3) (\bar{d}_1 q_1)$	C
ledq_3312	$(\bar{\ell}_3 e_3) (\bar{d}_1 q_2)$	C
ledq_3313	$(\bar{\ell}_3 e_3) (\bar{d}_1 q_3)$	C
ledq_3321	$(\bar{\ell}_3 e_3) (\bar{d}_2 q_1)$	C
ledq_3322	$(\bar{\ell}_3 e_3) (\bar{d}_2 q_2)$	C
ledq_3323	$(\bar{\ell}_3 e_3) (\bar{d}_2 q_3)$	C
ledq_3331	$(\bar{\ell}_3 e_3) (\bar{d}_3 q_1)$	C
ledq_3332	$(\bar{\ell}_3 e_3) (\bar{d}_3 q_2)$	C
ledq_3333	$(\bar{\ell}_3 e_3) (\bar{d}_3 q_3)$	C
quqd1_1111	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_1112	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_1113	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_1121	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_1122	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_1123	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_1131	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_1132	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_1133	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_1211	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_1212	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_1213	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_1221	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_1222	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_1223	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_1231	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_1232	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_1233	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_1311	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_1312	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_1313	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_1321	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_1322	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_1323	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_1331	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_3 d_1)$	C

WC name	Operator	Type
quqd1_1332	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_1333	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_2111	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_2112	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_2113	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_2121	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_2122	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_2123	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_2131	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_2132	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_2133	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_2211	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_2212	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_2213	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_2221	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_2222	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_2223	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_2231	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_2232	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_2233	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_2311	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_2312	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_2313	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_2321	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_2322	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_2323	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_2331	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_2332	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_2333	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_3111	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_3112	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_3113	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_3121	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_3122	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_3123	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_3131	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_3132	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_3133	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_3211	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_3212	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_3213	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_3221	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_3222	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_3223	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_2 d_3)$	C

WC name	Operator	Type
quqd1_3231	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_3232	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_3233	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_3311	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_3312	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_3313	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_3321	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_3322	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_3323	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_3331	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_3332	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_3333	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd8_1111	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_1112	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_1113	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_1121	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_1122	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_1123	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_1131	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_1132	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_1133	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_1211	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_1212	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_1213	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_1221	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_1222	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_1223	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_1231	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_1232	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_1233	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_1311	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_1312	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_1313	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_1321	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_1322	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_1323	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_1331	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_1332	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_1333	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_2111	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_2112	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_2113	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_2121	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_2122	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C

WC name	Operator	Type
quqd8_2123	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_2131	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_2132	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_2133	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_2211	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_2212	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_2213	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_2221	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_2222	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_2223	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_2231	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_2232	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_2233	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_2311	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_2312	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_2313	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_2321	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_2322	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_2323	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_2331	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_2332	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_2333	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_3111	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_3112	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_3113	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_3121	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_3122	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_3123	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_3131	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_3132	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_3133	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_3211	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_3212	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_3213	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_3221	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_3222	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_3223	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_3231	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_3232	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_3233	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_3311	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_3312	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_3313	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_3321	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C

WC name	Operator	Type
quqd8_3322	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_3323	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_3331	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_3332	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_3333	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
lequ1_1111	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_1112	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_1113	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_1121	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_1122	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_1123	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_1131	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_1132	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_1133	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_1211	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_1212	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_1213	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_1221	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_1222	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_1223	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_1231	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_1232	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_1233	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_1311	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_1312	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_1313	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_1321	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_1322	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_1323	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_1331	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_1332	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_1333	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_2111	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_2112	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_2113	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_2121	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_2122	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_2123	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_2131	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_2132	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_2133	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_2211	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_1 u_1)$	C

WC name	Operator	Type
lequ1_2212	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_2213	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_2221	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_2222	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_2223	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_2231	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_2232	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_2233	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_2311	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_2312	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_2313	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_2321	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_2322	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_2323	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_2331	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_2332	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_2333	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_3111	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_3112	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_3113	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_3121	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_3122	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_3123	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_3131	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_3132	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_3133	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_3211	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_3212	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_3213	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_3221	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_3222	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_3223	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_3231	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_3232	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_3233	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_3311	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_3312	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_3313	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_3321	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_3322	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_3323	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_3331	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_3 u_1)$	C







dB=dL=1

WC name	Operator	Type
duql_1111	$(d_1Cu_1)(q_1Cl_1)$	C
duql_1112	$(d_1Cu_1)(q_1Cl_2)$	C
duql_1113	$(d_1Cu_1)(q_1Cl_3)$	C
duql_1121	$(d_1Cu_1)(q_2Cl_1)$	C
duql_1122	$(d_1Cu_1)(q_2Cl_2)$	C
duql_1123	$(d_1Cu_1)(q_2Cl_3)$	C
duql_1131	$(d_1Cu_1)(q_3Cl_1)$	C
duql_1132	$(d_1Cu_1)(q_3Cl_2)$	C
duql_1133	$(d_1Cu_1)(q_3Cl_3)$	C
duql_1211	$(d_1Cu_2)(q_1Cl_1)$	C
duql_1212	$(d_1Cu_2)(q_1Cl_2)$	C
duql_1213	$(d_1Cu_2)(q_1Cl_3)$	C
duql_1221	$(d_1Cu_2)(q_2Cl_1)$	C
duql_1222	$(d_1Cu_2)(q_2Cl_2)$	C
duql_1223	$(d_1Cu_2)(q_2Cl_3)$	C
duql_1231	$(d_1Cu_2)(q_3Cl_1)$	C
duql_1232	$(d_1Cu_2)(q_3Cl_2)$	C
duql_1233	$(d_1Cu_2)(q_3Cl_3)$	C
duql_1311	$(d_1Cu_3)(q_1Cl_1)$	C
duql_1312	$(d_1Cu_3)(q_1Cl_2)$	C
duql_1313	$(d_1Cu_3)(q_1Cl_3)$	C
duql_1321	$(d_1Cu_3)(q_2Cl_1)$	C
duql_1322	$(d_1Cu_3)(q_2Cl_2)$	C
duql_1323	$(d_1Cu_3)(q_2Cl_3)$	C
duql_1331	$(d_1Cu_3)(q_3Cl_1)$	C
duql_1332	$(d_1Cu_3)(q_3Cl_2)$	C
duql_1333	$(d_1Cu_3)(q_3Cl_3)$	C
duql_2111	$(d_2Cu_1)(q_1Cl_1)$	C
duql_2112	$(d_2Cu_1)(q_1Cl_2)$	C
duql_2113	$(d_2Cu_1)(q_1Cl_3)$	C
duql_2121	$(d_2Cu_1)(q_2Cl_1)$	C
duql_2122	$(d_2Cu_1)(q_2Cl_2)$	C
duql_2123	$(d_2Cu_1)(q_2Cl_3)$	C
duql_2131	$(d_2Cu_1)(q_3Cl_1)$	C
duql_2132	$(d_2Cu_1)(q_3Cl_2)$	C
duql_2133	$(d_2Cu_1)(q_3Cl_3)$	C
duql_2211	$(d_2Cu_2)(q_1Cl_1)$	C
duql_2212	$(d_2Cu_2)(q_1Cl_2)$	C
duql_2213	$(d_2Cu_2)(q_1Cl_3)$	C
duql_2221	$(d_2Cu_2)(q_2Cl_1)$	C
duql_2222	$(d_2Cu_2)(q_2Cl_2)$	C
duql_2223	$(d_2Cu_2)(q_2Cl_3)$	C

WC name	Operator	Type
duql_2231	$(d_2Cu_2)(q_3C\ell_1)$	C
duql_2232	$(d_2Cu_2)(q_3C\ell_2)$	C
duql_2233	$(d_2Cu_2)(q_3C\ell_3)$	C
duql_2311	$(d_2Cu_3)(q_1C\ell_1)$	C
duql_2312	$(d_2Cu_3)(q_1C\ell_2)$	C
duql_2313	$(d_2Cu_3)(q_1C\ell_3)$	C
duql_2321	$(d_2Cu_3)(q_2C\ell_1)$	C
duql_2322	$(d_2Cu_3)(q_2C\ell_2)$	C
duql_2323	$(d_2Cu_3)(q_2C\ell_3)$	C
duql_2331	$(d_2Cu_3)(q_3C\ell_1)$	C
duql_2332	$(d_2Cu_3)(q_3C\ell_2)$	C
duql_2333	$(d_2Cu_3)(q_3C\ell_3)$	C
duql_3111	$(d_3Cu_1)(q_1C\ell_1)$	C
duql_3112	$(d_3Cu_1)(q_1C\ell_2)$	C
duql_3113	$(d_3Cu_1)(q_1C\ell_3)$	C
duql_3121	$(d_3Cu_1)(q_2C\ell_1)$	C
duql_3122	$(d_3Cu_1)(q_2C\ell_2)$	C
duql_3123	$(d_3Cu_1)(q_2C\ell_3)$	C
duql_3131	$(d_3Cu_1)(q_3C\ell_1)$	C
duql_3132	$(d_3Cu_1)(q_3C\ell_2)$	C
duql_3133	$(d_3Cu_1)(q_3C\ell_3)$	C
duql_3211	$(d_3Cu_2)(q_1C\ell_1)$	C
duql_3212	$(d_3Cu_2)(q_1C\ell_2)$	C
duql_3213	$(d_3Cu_2)(q_1C\ell_3)$	C
duql_3221	$(d_3Cu_2)(q_2C\ell_1)$	C
duql_3222	$(d_3Cu_2)(q_2C\ell_2)$	C
duql_3223	$(d_3Cu_2)(q_2C\ell_3)$	C
duql_3231	$(d_3Cu_2)(q_3C\ell_1)$	C
duql_3232	$(d_3Cu_2)(q_3C\ell_2)$	C
duql_3233	$(d_3Cu_2)(q_3C\ell_3)$	C
duql_3311	$(d_3Cu_3)(q_1C\ell_1)$	C
duql_3312	$(d_3Cu_3)(q_1C\ell_2)$	C
duql_3313	$(d_3Cu_3)(q_1C\ell_3)$	C
duql_3321	$(d_3Cu_3)(q_2C\ell_1)$	C
duql_3322	$(d_3Cu_3)(q_2C\ell_2)$	C
duql_3323	$(d_3Cu_3)(q_2C\ell_3)$	C
duql_3331	$(d_3Cu_3)(q_3C\ell_1)$	C
duql_3332	$(d_3Cu_3)(q_3C\ell_2)$	C
duql_3333	$(d_3Cu_3)(q_3C\ell_3)$	C
qque_1111	$(q_1Cq_1)(u_1Ce_1)$	C
qque_1112	$(q_1Cq_1)(u_1Ce_2)$	C
qque_1113	$(q_1Cq_1)(u_1Ce_3)$	C
qque_1121	$(q_1Cq_1)(u_2Ce_1)$	C
qque_1122	$(q_1Cq_1)(u_2Ce_2)$	C

WC name	Operator	Type
qque_1123	$(q_1 C q_1) (u_2 C e_3)$	C
qque_1131	$(q_1 C q_1) (u_3 C e_1)$	C
qque_1132	$(q_1 C q_1) (u_3 C e_2)$	C
qque_1133	$(q_1 C q_1) (u_3 C e_3)$	C
qque_1211	$(q_1 C q_2) (u_1 C e_1)$	C
qque_1212	$(q_1 C q_2) (u_1 C e_2)$	C
qque_1213	$(q_1 C q_2) (u_1 C e_3)$	C
qque_1221	$(q_1 C q_2) (u_2 C e_1)$	C
qque_1222	$(q_1 C q_2) (u_2 C e_2)$	C
qque_1223	$(q_1 C q_2) (u_2 C e_3)$	C
qque_1231	$(q_1 C q_2) (u_3 C e_1)$	C
qque_1232	$(q_1 C q_2) (u_3 C e_2)$	C
qque_1233	$(q_1 C q_2) (u_3 C e_3)$	C
qque_1311	$(q_1 C q_3) (u_1 C e_1)$	C
qque_1312	$(q_1 C q_3) (u_1 C e_2)$	C
qque_1313	$(q_1 C q_3) (u_1 C e_3)$	C
qque_1321	$(q_1 C q_3) (u_2 C e_1)$	C
qque_1322	$(q_1 C q_3) (u_2 C e_2)$	C
qque_1323	$(q_1 C q_3) (u_2 C e_3)$	C
qque_1331	$(q_1 C q_3) (u_3 C e_1)$	C
qque_1332	$(q_1 C q_3) (u_3 C e_2)$	C
qque_1333	$(q_1 C q_3) (u_3 C e_3)$	C
qque_2211	$(q_2 C q_2) (u_1 C e_1)$	C
qque_2212	$(q_2 C q_2) (u_1 C e_2)$	C
qque_2213	$(q_2 C q_2) (u_1 C e_3)$	C
qque_2221	$(q_2 C q_2) (u_2 C e_1)$	C
qque_2222	$(q_2 C q_2) (u_2 C e_2)$	C
qque_2223	$(q_2 C q_2) (u_2 C e_3)$	C
qque_2231	$(q_2 C q_2) (u_3 C e_1)$	C
qque_2232	$(q_2 C q_2) (u_3 C e_2)$	C
qque_2233	$(q_2 C q_2) (u_3 C e_3)$	C
qque_2311	$(q_2 C q_3) (u_1 C e_1)$	C
qque_2312	$(q_2 C q_3) (u_1 C e_2)$	C
qque_2313	$(q_2 C q_3) (u_1 C e_3)$	C
qque_2321	$(q_2 C q_3) (u_2 C e_1)$	C
qque_2322	$(q_2 C q_3) (u_2 C e_2)$	C
qque_2323	$(q_2 C q_3) (u_2 C e_3)$	C
qque_2331	$(q_2 C q_3) (u_3 C e_1)$	C
qque_2332	$(q_2 C q_3) (u_3 C e_2)$	C
qque_2333	$(q_2 C q_3) (u_3 C e_3)$	C
qque_3311	$(q_3 C q_3) (u_1 C e_1)$	C
qque_3312	$(q_3 C q_3) (u_1 C e_2)$	C
qque_3313	$(q_3 C q_3) (u_1 C e_3)$	C
qque_3321	$(q_3 C q_3) (u_2 C e_1)$	C

WC name	Operator	Type
qque_3322	$(q_3 C q_3) (u_2 C e_2)$	C
qque_3323	$(q_3 C q_3) (u_2 C e_3)$	C
qque_3331	$(q_3 C q_3) (u_3 C e_1)$	C
qque_3332	$(q_3 C q_3) (u_3 C e_2)$	C
qque_3333	$(q_3 C q_3) (u_3 C e_3)$	C
qqql_1111	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_1 C l_1)$	C
qqql_1112	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_1 C l_2)$	C
qqql_1113	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_1 C l_3)$	C
qqql_1121	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_2 C l_1)$	C
qqql_1122	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_2 C l_2)$	C
qqql_1123	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_2 C l_3)$	C
qqql_1131	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_3 C l_1)$	C
qqql_1132	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_3 C l_2)$	C
qqql_1133	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_3 C l_3)$	C
qqql_1211	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_1 C l_1)$	C
qqql_1212	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_1 C l_2)$	C
qqql_1213	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_1 C l_3)$	C
qqql_1221	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_2 C l_1)$	C
qqql_1222	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_2 C l_2)$	C
qqql_1223	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_2 C l_3)$	C
qqql_1231	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_3 C l_1)$	C
qqql_1232	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_3 C l_2)$	C
qqql_1233	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_3 C l_3)$	C
qqql_1311	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_1 C l_1)$	C
qqql_1312	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_1 C l_2)$	C
qqql_1313	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_1 C l_3)$	C
qqql_1321	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_2 C l_1)$	C
qqql_1322	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_2 C l_2)$	C
qqql_1323	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_2 C l_3)$	C
qqql_1331	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_3 C l_1)$	C
qqql_1332	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_3 C l_2)$	C
qqql_1333	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_3 C l_3)$	C
qqql_2121	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_2 C l_1)$	C
qqql_2122	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_2 C l_2)$	C
qqql_2123	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_2 C l_3)$	C
qqql_2131	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_3 C l_1)$	C
qqql_2132	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_3 C l_2)$	C
qqql_2133	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_3 C l_3)$	C
qqql_2221	$\epsilon_{il} \epsilon_{jk} (q_2 C q_2) (q_2 C l_1)$	C
qqql_2222	$\epsilon_{il} \epsilon_{jk} (q_2 C q_2) (q_2 C l_2)$	C
qqql_2223	$\epsilon_{il} \epsilon_{jk} (q_2 C q_2) (q_2 C l_3)$	C
qqql_2231	$\epsilon_{il} \epsilon_{jk} (q_2 C q_2) (q_3 C l_1)$	C
qqql_2232	$\epsilon_{il} \epsilon_{jk} (q_2 C q_2) (q_3 C l_2)$	C
qqql_2233	$\epsilon_{il} \epsilon_{jk} (q_2 C q_2) (q_3 C l_3)$	C

WC name	Operator	Type
qqql_2311	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_1 C \ell_1)$	C
qqql_2312	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_1 C \ell_2)$	C
qqql_2313	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_1 C \ell_3)$	C
qqql_2321	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_2 C \ell_1)$	C
qqql_2322	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_2 C \ell_2)$	C
qqql_2323	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_2 C \ell_3)$	C
qqql_2331	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_3 C \ell_1)$	C
qqql_2332	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_3 C \ell_2)$	C
qqql_2333	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_3 C \ell_3)$	C
qqql_3131	$\epsilon_{il}\epsilon_{jk} (q_3 C q_1) (q_3 C \ell_1)$	C
qqql_3132	$\epsilon_{il}\epsilon_{jk} (q_3 C q_1) (q_3 C \ell_2)$	C
qqql_3133	$\epsilon_{il}\epsilon_{jk} (q_3 C q_1) (q_3 C \ell_3)$	C
qqql_3231	$\epsilon_{il}\epsilon_{jk} (q_3 C q_2) (q_3 C \ell_1)$	C
qqql_3232	$\epsilon_{il}\epsilon_{jk} (q_3 C q_2) (q_3 C \ell_2)$	C
qqql_3233	$\epsilon_{il}\epsilon_{jk} (q_3 C q_2) (q_3 C \ell_3)$	C
qqql_3331	$\epsilon_{il}\epsilon_{jk} (q_3 C q_3) (q_3 C \ell_1)$	C
qqql_3332	$\epsilon_{il}\epsilon_{jk} (q_3 C q_3) (q_3 C \ell_2)$	C
qqql_3333	$\epsilon_{il}\epsilon_{jk} (q_3 C q_3) (q_3 C \ell_3)$	C
duue_1111	$(d_1 C u_1) (u_1 C e_1)$	C
duue_1112	$(d_1 C u_1) (u_1 C e_2)$	C
duue_1113	$(d_1 C u_1) (u_1 C e_3)$	C
duue_1121	$(d_1 C u_1) (u_2 C e_1)$	C
duue_1122	$(d_1 C u_1) (u_2 C e_2)$	C
duue_1123	$(d_1 C u_1) (u_2 C e_3)$	C
duue_1131	$(d_1 C u_1) (u_3 C e_1)$	C
duue_1132	$(d_1 C u_1) (u_3 C e_2)$	C
duue_1133	$(d_1 C u_1) (u_3 C e_3)$	C
duue_1211	$(d_1 C u_2) (u_1 C e_1)$	C
duue_1212	$(d_1 C u_2) (u_1 C e_2)$	C
duue_1213	$(d_1 C u_2) (u_1 C e_3)$	C
duue_1221	$(d_1 C u_2) (u_2 C e_1)$	C
duue_1222	$(d_1 C u_2) (u_2 C e_2)$	C
duue_1223	$(d_1 C u_2) (u_2 C e_3)$	C
duue_1231	$(d_1 C u_2) (u_3 C e_1)$	C
duue_1232	$(d_1 C u_2) (u_3 C e_2)$	C
duue_1233	$(d_1 C u_2) (u_3 C e_3)$	C
duue_1311	$(d_1 C u_3) (u_1 C e_1)$	C
duue_1312	$(d_1 C u_3) (u_1 C e_2)$	C
duue_1313	$(d_1 C u_3) (u_1 C e_3)$	C
duue_1321	$(d_1 C u_3) (u_2 C e_1)$	C
duue_1322	$(d_1 C u_3) (u_2 C e_2)$	C
duue_1323	$(d_1 C u_3) (u_2 C e_3)$	C
duue_1331	$(d_1 C u_3) (u_3 C e_1)$	C
duue_1332	$(d_1 C u_3) (u_3 C e_2)$	C

WC name	Operator	Type
duue_1333	$(d_1Cu_3)(u_3Ce_3)$	C
duue_2111	$(d_2Cu_1)(u_1Ce_1)$	C
duue_2112	$(d_2Cu_1)(u_1Ce_2)$	C
duue_2113	$(d_2Cu_1)(u_1Ce_3)$	C
duue_2121	$(d_2Cu_1)(u_2Ce_1)$	C
duue_2122	$(d_2Cu_1)(u_2Ce_2)$	C
duue_2123	$(d_2Cu_1)(u_2Ce_3)$	C
duue_2131	$(d_2Cu_1)(u_3Ce_1)$	C
duue_2132	$(d_2Cu_1)(u_3Ce_2)$	C
duue_2133	$(d_2Cu_1)(u_3Ce_3)$	C
duue_2211	$(d_2Cu_2)(u_1Ce_1)$	C
duue_2212	$(d_2Cu_2)(u_1Ce_2)$	C
duue_2213	$(d_2Cu_2)(u_1Ce_3)$	C
duue_2221	$(d_2Cu_2)(u_2Ce_1)$	C
duue_2222	$(d_2Cu_2)(u_2Ce_2)$	C
duue_2223	$(d_2Cu_2)(u_2Ce_3)$	C
duue_2231	$(d_2Cu_2)(u_3Ce_1)$	C
duue_2232	$(d_2Cu_2)(u_3Ce_2)$	C
duue_2233	$(d_2Cu_2)(u_3Ce_3)$	C
duue_2311	$(d_2Cu_3)(u_1Ce_1)$	C
duue_2312	$(d_2Cu_3)(u_1Ce_2)$	C
duue_2313	$(d_2Cu_3)(u_1Ce_3)$	C
duue_2321	$(d_2Cu_3)(u_2Ce_1)$	C
duue_2322	$(d_2Cu_3)(u_2Ce_2)$	C
duue_2323	$(d_2Cu_3)(u_2Ce_3)$	C
duue_2331	$(d_2Cu_3)(u_3Ce_1)$	C
duue_2332	$(d_2Cu_3)(u_3Ce_2)$	C
duue_2333	$(d_2Cu_3)(u_3Ce_3)$	C
duue_3111	$(d_3Cu_1)(u_1Ce_1)$	C
duue_3112	$(d_3Cu_1)(u_1Ce_2)$	C
duue_3113	$(d_3Cu_1)(u_1Ce_3)$	C
duue_3121	$(d_3Cu_1)(u_2Ce_1)$	C
duue_3122	$(d_3Cu_1)(u_2Ce_2)$	C
duue_3123	$(d_3Cu_1)(u_2Ce_3)$	C
duue_3131	$(d_3Cu_1)(u_3Ce_1)$	C
duue_3132	$(d_3Cu_1)(u_3Ce_2)$	C
duue_3133	$(d_3Cu_1)(u_3Ce_3)$	C
duue_3211	$(d_3Cu_2)(u_1Ce_1)$	C
duue_3212	$(d_3Cu_2)(u_1Ce_2)$	C
duue_3213	$(d_3Cu_2)(u_1Ce_3)$	C
duue_3221	$(d_3Cu_2)(u_2Ce_1)$	C
duue_3222	$(d_3Cu_2)(u_2Ce_2)$	C
duue_3223	$(d_3Cu_2)(u_2Ce_3)$	C
duue_3231	$(d_3Cu_2)(u_3Ce_1)$	C

WC name	Operator	Type
duue_3232	$(d_3 C u_2) (u_3 C e_2)$	C
duue_3233	$(d_3 C u_2) (u_3 C e_3)$	C
duue_3311	$(d_3 C u_3) (u_1 C e_1)$	C
duue_3312	$(d_3 C u_3) (u_1 C e_2)$	C
duue_3313	$(d_3 C u_3) (u_1 C e_3)$	C
duue_3321	$(d_3 C u_3) (u_2 C e_1)$	C
duue_3322	$(d_3 C u_3) (u_2 C e_2)$	C
duue_3323	$(d_3 C u_3) (u_2 C e_3)$	C
duue_3331	$(d_3 C u_3) (u_3 C e_1)$	C
duue_3332	$(d_3 C u_3) (u_3 C e_2)$	C
duue_3333	$(d_3 C u_3) (u_3 C e_3)$	C

dL=2

WC name	Operator	Type
llphiphi_11	$(\tilde{\varphi}^\dagger \ell_1)^T C (\tilde{\varphi}^\dagger \ell_1)$	C
llphiphi_22	$(\tilde{\varphi}^\dagger \ell_2)^T C (\tilde{\varphi}^\dagger \ell_2)$	C
llphiphi_33	$(\tilde{\varphi}^\dagger \ell_3)^T C (\tilde{\varphi}^\dagger \ell_3)$	C



## Basis Warsaw (EFT SMEFT)

Basis suggested by Grzadkowski, Iskrzyński, Misiak, and Rosiek (arXiv:1008.4884v3). At variance with their definition, the Wilson coefficients are defined to be dimensionful, such that  $\mathcal{L} = \sum_i C_i O_i$ . The set of redundant operators coincides with the choice of DSixTools (arXiv:1704.04504). The weak basis for the fermion fields is chosen such that the running dimension-6 mass matrices of charged leptons and down-type quarks are diagonal at the scale where the coefficient values are specified, while up-type quark singlet field is rotated to diagonalise the running dimension-6 up-type quark mass matrix “from the right”.

### Sectors

dB=dL=0

WC name	Operator	Type
G	$f^{ABC} G_{\mu}^{A\nu} G_{\nu}^{B\rho} G_{\rho}^{C\mu}$	R
Gtilde	$f^{ABC} \tilde{G}_{\mu}^{A\nu} G_{\nu}^{B\rho} G_{\rho}^{C\mu}$	R
W	$\epsilon^{IJK} W_{\mu}^{I\nu} W_{\nu}^{J\rho} W_{\rho}^{K\mu}$	R
Wtilde	$\epsilon^{IJK} \tilde{W}_{\mu}^{I\nu} W_{\nu}^{J\rho} W_{\rho}^{K\mu}$	R
phi	$(\varphi^{\dagger} \varphi)^3$	R
phiBox	$(\varphi^{\dagger} \varphi) \square (\varphi^{\dagger} \varphi)$	R
phiD	$(\varphi^{\dagger} D^{\mu} \varphi)^* (\varphi^{\dagger} D_{\mu} \varphi)$	R
phiG	$\varphi^{\dagger} \varphi G_{\mu\nu}^A G^{A\mu\nu}$	R
phiB	$\varphi^{\dagger} \varphi B_{\mu\nu} B^{\mu\nu}$	R
phiW	$\varphi^{\dagger} \varphi W_{\mu\nu}^I W^{I\mu\nu}$	R
phiWB	$\varphi^{\dagger} \tau^I \varphi W_{\mu\nu}^I B^{\mu\nu}$	R
phiGtilde	$\varphi^{\dagger} \varphi \tilde{G}_{\mu\nu}^A G^{A\mu\nu}$	R
phiBtilde	$\varphi^{\dagger} \varphi \tilde{B}_{\mu\nu} B^{\mu\nu}$	R
phiWtilde	$\varphi^{\dagger} \varphi \tilde{W}_{\mu\nu}^I W^{I\mu\nu}$	R
phiWtildeB	$\varphi^{\dagger} \tau^I \varphi \tilde{W}_{\mu\nu}^I B^{\mu\nu}$	R
uphi_11	$(\varphi^{\dagger} \varphi) (\bar{q}_1 u_1 \tilde{\varphi})$	C
uphi_12	$(\varphi^{\dagger} \varphi) (\bar{q}_1 u_2 \tilde{\varphi})$	C
uphi_13	$(\varphi^{\dagger} \varphi) (\bar{q}_1 u_3 \tilde{\varphi})$	C
uphi_21	$(\varphi^{\dagger} \varphi) (\bar{q}_2 u_1 \tilde{\varphi})$	C
uphi_22	$(\varphi^{\dagger} \varphi) (\bar{q}_2 u_2 \tilde{\varphi})$	C
uphi_23	$(\varphi^{\dagger} \varphi) (\bar{q}_2 u_3 \tilde{\varphi})$	C
uphi_31	$(\varphi^{\dagger} \varphi) (\bar{q}_3 u_1 \tilde{\varphi})$	C
uphi_32	$(\varphi^{\dagger} \varphi) (\bar{q}_3 u_2 \tilde{\varphi})$	C
uphi_33	$(\varphi^{\dagger} \varphi) (\bar{q}_3 u_3 \tilde{\varphi})$	C
dphi_11	$(\varphi^{\dagger} \varphi) (\bar{q}_1 d_1 \varphi)$	C
dphi_12	$(\varphi^{\dagger} \varphi) (\bar{q}_1 d_2 \varphi)$	C

WC name	Operator	Type
dphi_13	$(\varphi^\dagger \varphi) (\bar{q}_1 d_3 \varphi)$	C
dphi_21	$(\varphi^\dagger \varphi) (\bar{q}_2 d_1 \varphi)$	C
dphi_22	$(\varphi^\dagger \varphi) (\bar{q}_2 d_2 \varphi)$	C
dphi_23	$(\varphi^\dagger \varphi) (\bar{q}_2 d_3 \varphi)$	C
dphi_31	$(\varphi^\dagger \varphi) (\bar{q}_3 d_1 \varphi)$	C
dphi_32	$(\varphi^\dagger \varphi) (\bar{q}_3 d_2 \varphi)$	C
dphi_33	$(\varphi^\dagger \varphi) (\bar{q}_3 d_3 \varphi)$	C
ephi_11	$(\varphi^\dagger \varphi) (\bar{\ell}_1 e_1 \varphi)$	C
ephi_12	$(\varphi^\dagger \varphi) (\bar{\ell}_1 e_2 \varphi)$	C
ephi_13	$(\varphi^\dagger \varphi) (\bar{\ell}_1 e_3 \varphi)$	C
ephi_21	$(\varphi^\dagger \varphi) (\bar{\ell}_2 e_1 \varphi)$	C
ephi_22	$(\varphi^\dagger \varphi) (\bar{\ell}_2 e_2 \varphi)$	C
ephi_23	$(\varphi^\dagger \varphi) (\bar{\ell}_2 e_3 \varphi)$	C
ephi_31	$(\varphi^\dagger \varphi) (\bar{\ell}_3 e_1 \varphi)$	C
ephi_32	$(\varphi^\dagger \varphi) (\bar{\ell}_3 e_2 \varphi)$	C
ephi_33	$(\varphi^\dagger \varphi) (\bar{\ell}_3 e_3 \varphi)$	C
eW_11	$(\bar{\ell}_1 \sigma^{\mu\nu} e_1) \tau^I \varphi W_{\mu\nu}^I$	C
eW_12	$(\bar{\ell}_1 \sigma^{\mu\nu} e_2) \tau^I \varphi W_{\mu\nu}^I$	C
eW_13	$(\bar{\ell}_1 \sigma^{\mu\nu} e_3) \tau^I \varphi W_{\mu\nu}^I$	C
eW_21	$(\bar{\ell}_2 \sigma^{\mu\nu} e_1) \tau^I \varphi W_{\mu\nu}^I$	C
eW_22	$(\bar{\ell}_2 \sigma^{\mu\nu} e_2) \tau^I \varphi W_{\mu\nu}^I$	C
eW_23	$(\bar{\ell}_2 \sigma^{\mu\nu} e_3) \tau^I \varphi W_{\mu\nu}^I$	C
eW_31	$(\bar{\ell}_3 \sigma^{\mu\nu} e_1) \tau^I \varphi W_{\mu\nu}^I$	C
eW_32	$(\bar{\ell}_3 \sigma^{\mu\nu} e_2) \tau^I \varphi W_{\mu\nu}^I$	C
eW_33	$(\bar{\ell}_3 \sigma^{\mu\nu} e_3) \tau^I \varphi W_{\mu\nu}^I$	C
eB_11	$(\bar{\ell}_1 \sigma^{\mu\nu} e_1) \varphi B_{\mu\nu}$	C
eB_12	$(\bar{\ell}_1 \sigma^{\mu\nu} e_2) \varphi B_{\mu\nu}$	C
eB_13	$(\bar{\ell}_1 \sigma^{\mu\nu} e_3) \varphi B_{\mu\nu}$	C
eB_21	$(\bar{\ell}_2 \sigma^{\mu\nu} e_1) \varphi B_{\mu\nu}$	C
eB_22	$(\bar{\ell}_2 \sigma^{\mu\nu} e_2) \varphi B_{\mu\nu}$	C
eB_23	$(\bar{\ell}_2 \sigma^{\mu\nu} e_3) \varphi B_{\mu\nu}$	C
eB_31	$(\bar{\ell}_3 \sigma^{\mu\nu} e_1) \varphi B_{\mu\nu}$	C
eB_32	$(\bar{\ell}_3 \sigma^{\mu\nu} e_2) \varphi B_{\mu\nu}$	C
eB_33	$(\bar{\ell}_3 \sigma^{\mu\nu} e_3) \varphi B_{\mu\nu}$	C
uG_11	$(\bar{q}_1 \sigma^{\mu\nu} T^A u_1) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_12	$(\bar{q}_1 \sigma^{\mu\nu} T^A u_2) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_13	$(\bar{q}_1 \sigma^{\mu\nu} T^A u_3) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_21	$(\bar{q}_2 \sigma^{\mu\nu} T^A u_1) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_22	$(\bar{q}_2 \sigma^{\mu\nu} T^A u_2) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_23	$(\bar{q}_2 \sigma^{\mu\nu} T^A u_3) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_31	$(\bar{q}_3 \sigma^{\mu\nu} T^A u_1) \tilde{\varphi} G_{\mu\nu}^A$	C
uG_32	$(\bar{q}_3 \sigma^{\mu\nu} T^A u_2) \tilde{\varphi} G_{\mu\nu}^A$	C

WC name	Operator	Type
uG_33	$(\bar{q}_3 \sigma^{\mu\nu} T^A u_3) \tilde{\varphi} G_{\mu\nu}^A$	C
uW_11	$(\bar{q}_1 \sigma^{\mu\nu} u_1) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_12	$(\bar{q}_1 \sigma^{\mu\nu} u_2) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_13	$(\bar{q}_1 \sigma^{\mu\nu} u_3) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_21	$(\bar{q}_2 \sigma^{\mu\nu} u_1) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_22	$(\bar{q}_2 \sigma^{\mu\nu} u_2) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_23	$(\bar{q}_2 \sigma^{\mu\nu} u_3) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_31	$(\bar{q}_3 \sigma^{\mu\nu} u_1) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_32	$(\bar{q}_3 \sigma^{\mu\nu} u_2) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uW_33	$(\bar{q}_3 \sigma^{\mu\nu} u_3) \tau^I \tilde{\varphi} W_{\mu\nu}^I$	C
uB_11	$(\bar{q}_1 \sigma^{\mu\nu} u_1) \tilde{\varphi} B_{\mu\nu}$	C
uB_12	$(\bar{q}_1 \sigma^{\mu\nu} u_2) \tilde{\varphi} B_{\mu\nu}$	C
uB_13	$(\bar{q}_1 \sigma^{\mu\nu} u_3) \tilde{\varphi} B_{\mu\nu}$	C
uB_21	$(\bar{q}_2 \sigma^{\mu\nu} u_1) \tilde{\varphi} B_{\mu\nu}$	C
uB_22	$(\bar{q}_2 \sigma^{\mu\nu} u_2) \tilde{\varphi} B_{\mu\nu}$	C
uB_23	$(\bar{q}_2 \sigma^{\mu\nu} u_3) \tilde{\varphi} B_{\mu\nu}$	C
uB_31	$(\bar{q}_3 \sigma^{\mu\nu} u_1) \tilde{\varphi} B_{\mu\nu}$	C
uB_32	$(\bar{q}_3 \sigma^{\mu\nu} u_2) \tilde{\varphi} B_{\mu\nu}$	C
uB_33	$(\bar{q}_3 \sigma^{\mu\nu} u_3) \tilde{\varphi} B_{\mu\nu}$	C
dG_11	$(\bar{q}_1 \sigma^{\mu\nu} T^A d_1) \varphi G_{\mu\nu}^A$	C
dG_12	$(\bar{q}_1 \sigma^{\mu\nu} T^A d_2) \varphi G_{\mu\nu}^A$	C
dG_13	$(\bar{q}_1 \sigma^{\mu\nu} T^A d_3) \varphi G_{\mu\nu}^A$	C
dG_21	$(\bar{q}_2 \sigma^{\mu\nu} T^A d_1) \varphi G_{\mu\nu}^A$	C
dG_22	$(\bar{q}_2 \sigma^{\mu\nu} T^A d_2) \varphi G_{\mu\nu}^A$	C
dG_23	$(\bar{q}_2 \sigma^{\mu\nu} T^A d_3) \varphi G_{\mu\nu}^A$	C
dG_31	$(\bar{q}_3 \sigma^{\mu\nu} T^A d_1) \varphi G_{\mu\nu}^A$	C
dG_32	$(\bar{q}_3 \sigma^{\mu\nu} T^A d_2) \varphi G_{\mu\nu}^A$	C
dG_33	$(\bar{q}_3 \sigma^{\mu\nu} T^A d_3) \varphi G_{\mu\nu}^A$	C
dW_11	$(\bar{q}_1 \sigma^{\mu\nu} d_1) \tau^I \varphi W_{\mu\nu}^I$	C
dW_12	$(\bar{q}_1 \sigma^{\mu\nu} d_2) \tau^I \varphi W_{\mu\nu}^I$	C
dW_13	$(\bar{q}_1 \sigma^{\mu\nu} d_3) \tau^I \varphi W_{\mu\nu}^I$	C
dW_21	$(\bar{q}_2 \sigma^{\mu\nu} d_1) \tau^I \varphi W_{\mu\nu}^I$	C
dW_22	$(\bar{q}_2 \sigma^{\mu\nu} d_2) \tau^I \varphi W_{\mu\nu}^I$	C
dW_23	$(\bar{q}_2 \sigma^{\mu\nu} d_3) \tau^I \varphi W_{\mu\nu}^I$	C
dW_31	$(\bar{q}_3 \sigma^{\mu\nu} d_1) \tau^I \varphi W_{\mu\nu}^I$	C
dW_32	$(\bar{q}_3 \sigma^{\mu\nu} d_2) \tau^I \varphi W_{\mu\nu}^I$	C
dW_33	$(\bar{q}_3 \sigma^{\mu\nu} d_3) \tau^I \varphi W_{\mu\nu}^I$	C
dB_11	$(\bar{q}_1 \sigma^{\mu\nu} d_1) \varphi B_{\mu\nu}$	C
dB_12	$(\bar{q}_1 \sigma^{\mu\nu} d_2) \varphi B_{\mu\nu}$	C
dB_13	$(\bar{q}_1 \sigma^{\mu\nu} d_3) \varphi B_{\mu\nu}$	C
dB_21	$(\bar{q}_2 \sigma^{\mu\nu} d_1) \varphi B_{\mu\nu}$	C
dB_22	$(\bar{q}_2 \sigma^{\mu\nu} d_2) \varphi B_{\mu\nu}$	C
dB_23	$(\bar{q}_2 \sigma^{\mu\nu} d_3) \varphi B_{\mu\nu}$	C

WC name	Operator	Type
dB_31	$(\bar{q}_3 \sigma^{\mu\nu} d_1) \varphi B_{\mu\nu}$	C
dB_32	$(\bar{q}_3 \sigma^{\mu\nu} d_2) \varphi B_{\mu\nu}$	C
dB_33	$(\bar{q}_3 \sigma^{\mu\nu} d_3) \varphi B_{\mu\nu}$	C
phil1_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_1 \gamma^\mu \ell_1)$	R
phil1_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_1 \gamma^\mu \ell_2)$	C
phil1_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_1 \gamma^\mu \ell_3)$	C
phil1_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_2 \gamma^\mu \ell_2)$	R
phil1_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
phil1_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{\ell}_3 \gamma^\mu \ell_3)$	R
phil3_11	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_1 \tau^I \gamma^\mu \ell_1)$	R
phil3_12	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_1 \tau^I \gamma^\mu \ell_2)$	C
phil3_13	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_1 \tau^I \gamma^\mu \ell_3)$	C
phil3_22	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_2 \tau^I \gamma^\mu \ell_2)$	R
phil3_23	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_2 \tau^I \gamma^\mu \ell_3)$	C
phil3_33	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{\ell}_3 \tau^I \gamma^\mu \ell_3)$	R
phie_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_1 \gamma^\mu e_1)$	R
phie_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_1 \gamma^\mu e_2)$	C
phie_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_1 \gamma^\mu e_3)$	C
phie_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_2 \gamma^\mu e_2)$	R
phie_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_2 \gamma^\mu e_3)$	C
phie_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{e}_3 \gamma^\mu e_3)$	R
phiq1_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_1 \gamma^\mu q_1)$	R
phiq1_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_1 \gamma^\mu q_2)$	C

WC name	Operator	Type
phiq1_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_1 \gamma^\mu q_3)$	C
phiq1_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_2 \gamma^\mu q_2)$	R
phiq1_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_2 \gamma^\mu q_3)$	C
phiq1_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{q}_3 \gamma^\mu q_3)$	R
phiq3_11	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{q}_1 \tau^I \gamma^\mu q_1)$	R
phiq3_12	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{q}_1 \tau^I \gamma^\mu q_2)$	C
phiq3_13	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{q}_1 \tau^I \gamma^\mu q_3)$	C
phiq3_22	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{q}_2 \tau^I \gamma^\mu q_2)$	R
phiq3_23	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{q}_2 \tau^I \gamma^\mu q_3)$	C
phiq3_33	$\left( \varphi^\dagger i \overleftrightarrow{D} I \mu \varphi \right) (\bar{q}_3 \tau^I \gamma^\mu q_3)$	R
phiu_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_1 \gamma^\mu u_1)$	R
phiu_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_1 \gamma^\mu u_2)$	C
phiu_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_1 \gamma^\mu u_3)$	C
phiu_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_2 \gamma^\mu u_2)$	R
phiu_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_2 \gamma^\mu u_3)$	C
phiu_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{u}_3 \gamma^\mu u_3)$	R
phid_11	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_1 \gamma^\mu d_1)$	R
phid_12	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_1 \gamma^\mu d_2)$	C
phid_13	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_1 \gamma^\mu d_3)$	C
phid_22	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_2 \gamma^\mu d_2)$	R
phid_23	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_2 \gamma^\mu d_3)$	C
phid_33	$\left( \varphi^\dagger i \overleftrightarrow{D}_\mu \varphi \right) (\bar{d}_3 \gamma^\mu d_3)$	R

WC name	Operator	Type
phiud_11	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_1 \gamma^\mu d_1)$	C
phiud_12	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_1 \gamma^\mu d_2)$	C
phiud_13	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_1 \gamma^\mu d_3)$	C
phiud_21	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_2 \gamma^\mu d_1)$	C
phiud_22	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_2 \gamma^\mu d_2)$	C
phiud_23	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_2 \gamma^\mu d_3)$	C
phiud_31	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_3 \gamma^\mu d_1)$	C
phiud_32	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_3 \gamma^\mu d_2)$	C
phiud_33	$(\tilde{\varphi}^\dagger i D_\mu \varphi) (\bar{u}_3 \gamma^\mu d_3)$	C
ll_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_1 \gamma^\mu \ell_1)$	R
ll_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_1 \gamma^\mu \ell_2)$	C
ll_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_1 \gamma^\mu \ell_3)$	C
ll_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_2 \gamma^\mu \ell_2)$	R
ll_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{\ell}_3 \gamma^\mu \ell_3)$	R
ll_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_1 \gamma^\mu \ell_2)$	C
ll_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_1 \gamma^\mu \ell_3)$	C
ll_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_1)$	R
ll_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_2)$	C
ll_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_1)$	C
ll_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_2)$	C
ll_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_3)$	C
ll_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_1 \gamma^\mu \ell_3)$	C
ll_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_2)$	C
ll_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_1)$	R
ll_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_2)$	C
ll_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_3)$	C
ll_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_2)$	R
ll_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_3)$	R
ll_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_3)$	C
ll_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_2)$	R
ll_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_3)$	C
ll_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_3)$	R
qq1_1111	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_1 \gamma^\mu q_1)$	R
qq1_1112	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_1 \gamma^\mu q_2)$	C
qq1_1113	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_1 \gamma^\mu q_3)$	C
qq1_1122	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_2 \gamma^\mu q_2)$	R
qq1_1123	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_1133	$(\bar{q}_1 \gamma_\mu q_1) (\bar{q}_3 \gamma^\mu q_3)$	R
qq1_1212	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_1 \gamma^\mu q_2)$	C

WC name	Operator	Type
qq1_1213	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_1 \gamma^\mu q_3)$	C
qq1_1221	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_1)$	R
qq1_1222	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_2)$	C
qq1_1223	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_1231	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_3 \gamma^\mu q_1)$	C
qq1_1232	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_3 \gamma^\mu q_2)$	C
qq1_1233	$(\bar{q}_1 \gamma_\mu q_2) (\bar{q}_3 \gamma^\mu q_3)$	C
qq1_1313	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_1 \gamma^\mu q_3)$	C
qq1_1322	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_2 \gamma^\mu q_2)$	C
qq1_1323	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_1331	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_1)$	R
qq1_1332	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_2)$	C
qq1_1333	$(\bar{q}_1 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_3)$	C
qq1_2222	$(\bar{q}_2 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_2)$	R
qq1_2223	$(\bar{q}_2 \gamma_\mu q_2) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_2233	$(\bar{q}_2 \gamma_\mu q_2) (\bar{q}_3 \gamma^\mu q_3)$	R
qq1_2323	$(\bar{q}_2 \gamma_\mu q_3) (\bar{q}_2 \gamma^\mu q_3)$	C
qq1_2332	$(\bar{q}_2 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_2)$	R
qq1_2333	$(\bar{q}_2 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_3)$	C
qq1_3333	$(\bar{q}_3 \gamma_\mu q_3) (\bar{q}_3 \gamma^\mu q_3)$	R
qq3_1111	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_1 \gamma^\mu \tau^I q_1)$	R
qq3_1112	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
qq3_1113	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
qq3_1122	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	R
qq3_1123	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_1133	$(\bar{q}_1 \gamma_\mu \tau^I q_1) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
qq3_1212	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
qq3_1213	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
qq3_1221	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_1)$	R
qq3_1222	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	C
qq3_1223	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_1231	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_3 \gamma^\mu \tau^I q_1)$	C
qq3_1232	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	C
qq3_1233	$(\bar{q}_1 \gamma_\mu \tau^I q_2) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
qq3_1313	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
qq3_1322	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	C
qq3_1323	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_1331	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_1)$	R
qq3_1332	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	C
qq3_1333	$(\bar{q}_1 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
qq3_2222	$(\bar{q}_2 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	R
qq3_2223	$(\bar{q}_2 \gamma_\mu \tau^I q_2) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
qq3_2233	$(\bar{q}_2 \gamma_\mu \tau^I q_2) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
qq3_2323	$(\bar{q}_2 \gamma_\mu \tau^I q_3) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C

WC name	Operator	Type
qq3_2332	$(\bar{q}_2 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	R
qq3_2333	$(\bar{q}_2 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
qq3_3333	$(\bar{q}_3 \gamma_\mu \tau^I q_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
lq1_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_1 \gamma^\mu q_1)$	R
lq1_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_1 \gamma^\mu q_2)$	C
lq1_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_1 \gamma^\mu q_3)$	C
lq1_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_2 \gamma^\mu q_2)$	R
lq1_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_2 \gamma^\mu q_3)$	C
lq1_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{q}_3 \gamma^\mu q_3)$	R
lq1_1211	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_1)$	C
lq1_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_2)$	C
lq1_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_3)$	C
lq1_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_1)$	C
lq1_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_2)$	C
lq1_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_3)$	C
lq1_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_3 \gamma^\mu q_1)$	C
lq1_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_3 \gamma^\mu q_2)$	C
lq1_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{q}_3 \gamma^\mu q_3)$	C
lq1_1311	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_1)$	C
lq1_1312	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_2)$	C
lq1_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_3)$	C
lq1_1321	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_1)$	C
lq1_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_2)$	C
lq1_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_3)$	C
lq1_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_1)$	C
lq1_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_2)$	C
lq1_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_3)$	C
lq1_2211	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_1)$	R
lq1_2212	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_2)$	C
lq1_2213	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_1 \gamma^\mu q_3)$	C
lq1_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_2)$	R
lq1_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_2 \gamma^\mu q_3)$	C
lq1_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{q}_3 \gamma^\mu q_3)$	R
lq1_2311	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_1)$	C
lq1_2312	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_2)$	C
lq1_2313	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_3)$	C
lq1_2321	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_1)$	C
lq1_2322	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_2)$	C
lq1_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_3)$	C
lq1_2331	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_1)$	C
lq1_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_2)$	C
lq1_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_3)$	C



WC name	Operator	Type
1q1_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_1)$	R
1q1_3312	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_2)$	C
1q1_3313	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_3)$	C
1q1_3322	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_2)$	R
1q1_3323	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_3)$	C
1q1_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{q}_3 \gamma^\mu q_3)$	R
1q3_1111	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_1) (\bar{q}_1 \gamma^\mu \tau^I q_1)$	R
1q3_1112	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_1) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
1q3_1113	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_1) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
1q3_1122	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_1) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	R
1q3_1123	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_1) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
1q3_1133	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_1) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
1q3_1211	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_1 \gamma^\mu \tau^I q_1)$	C
1q3_1212	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
1q3_1213	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
1q3_1221	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_2 \gamma^\mu \tau^I q_1)$	C
1q3_1222	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	C
1q3_1223	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
1q3_1231	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_3 \gamma^\mu \tau^I q_1)$	C
1q3_1232	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	C
1q3_1233	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_2) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
1q3_1311	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_1)$	C
1q3_1312	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
1q3_1313	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
1q3_1321	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_1)$	C
1q3_1322	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	C
1q3_1323	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
1q3_1331	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_3 \gamma^\mu \tau^I q_1)$	C
1q3_1332	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	C
1q3_1333	$(\bar{\ell}_1 \gamma_\mu \tau^I \ell_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
1q3_2211	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_2) (\bar{q}_1 \gamma^\mu \tau^I q_1)$	R
1q3_2212	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_2) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
1q3_2213	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_2) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
1q3_2222	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_2) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	R
1q3_2223	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_2) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
1q3_2233	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_2) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
1q3_2311	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_1)$	C
1q3_2312	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
1q3_2313	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
1q3_2321	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_1)$	C
1q3_2322	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	C
1q3_2323	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C

WC name	Operator	Type
1q3_2331	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_3 \gamma^\mu \tau^I q_1)$	C
1q3_2332	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_3 \gamma^\mu \tau^I q_2)$	C
1q3_2333	$(\bar{\ell}_2 \gamma_\mu \tau^I \ell_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	C
1q3_3311	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_1)$	R
1q3_3312	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_2)$	C
1q3_3313	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_1 \gamma^\mu \tau^I q_3)$	C
1q3_3322	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_2)$	R
1q3_3323	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_2 \gamma^\mu \tau^I q_3)$	C
1q3_3333	$(\bar{\ell}_3 \gamma_\mu \tau^I \ell_3) (\bar{q}_3 \gamma^\mu \tau^I q_3)$	R
ee_1111	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_1 \gamma^\mu e_1)$	R
ee_1112	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_1 \gamma^\mu e_2)$	C
ee_1113	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_1 \gamma^\mu e_3)$	C
ee_1122	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_2 \gamma^\mu e_2)$	R
ee_1123	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_1133	$(\bar{e}_1 \gamma_\mu e_1) (\bar{e}_3 \gamma^\mu e_3)$	R
ee_1212	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_1 \gamma^\mu e_2)$	C
ee_1213	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_1 \gamma^\mu e_3)$	C
ee_1222	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_2 \gamma^\mu e_2)$	C
ee_1223	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_1232	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_3 \gamma^\mu e_2)$	C
ee_1233	$(\bar{e}_1 \gamma_\mu e_2) (\bar{e}_3 \gamma^\mu e_3)$	C
ee_1313	$(\bar{e}_1 \gamma_\mu e_3) (\bar{e}_1 \gamma^\mu e_3)$	C
ee_1323	$(\bar{e}_1 \gamma_\mu e_3) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_1333	$(\bar{e}_1 \gamma_\mu e_3) (\bar{e}_3 \gamma^\mu e_3)$	C
ee_2222	$(\bar{e}_2 \gamma_\mu e_2) (\bar{e}_2 \gamma^\mu e_2)$	R
ee_2223	$(\bar{e}_2 \gamma_\mu e_2) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_2233	$(\bar{e}_2 \gamma_\mu e_2) (\bar{e}_3 \gamma^\mu e_3)$	R
ee_2323	$(\bar{e}_2 \gamma_\mu e_3) (\bar{e}_2 \gamma^\mu e_3)$	C
ee_2333	$(\bar{e}_2 \gamma_\mu e_3) (\bar{e}_3 \gamma^\mu e_3)$	C
ee_3333	$(\bar{e}_3 \gamma_\mu e_3) (\bar{e}_3 \gamma^\mu e_3)$	R
uu_1111	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_1 \gamma^\mu u_1)$	R
uu_1112	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_1 \gamma^\mu u_2)$	C
uu_1113	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_1 \gamma^\mu u_3)$	C
uu_1122	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_2 \gamma^\mu u_2)$	R
uu_1123	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_1133	$(\bar{u}_1 \gamma_\mu u_1) (\bar{u}_3 \gamma^\mu u_3)$	R
uu_1212	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_1 \gamma^\mu u_2)$	C
uu_1213	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_1 \gamma^\mu u_3)$	C
uu_1221	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_1)$	R
uu_1222	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_2)$	C
uu_1223	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_1231	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_3 \gamma^\mu u_1)$	C
uu_1232	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_3 \gamma^\mu u_2)$	C
uu_1233	$(\bar{u}_1 \gamma_\mu u_2) (\bar{u}_3 \gamma^\mu u_3)$	C

WC name	Operator	Type
uu_1313	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_1 \gamma^\mu u_3)$	C
uu_1322	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_2 \gamma^\mu u_2)$	C
uu_1323	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_1331	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_1)$	R
uu_1332	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_2)$	C
uu_1333	$(\bar{u}_1 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_3)$	C
uu_2222	$(\bar{u}_2 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_2)$	R
uu_2223	$(\bar{u}_2 \gamma_\mu u_2) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_2233	$(\bar{u}_2 \gamma_\mu u_2) (\bar{u}_3 \gamma^\mu u_3)$	R
uu_2323	$(\bar{u}_2 \gamma_\mu u_3) (\bar{u}_2 \gamma^\mu u_3)$	C
uu_2332	$(\bar{u}_2 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_2)$	R
uu_2333	$(\bar{u}_2 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_3)$	C
uu_3333	$(\bar{u}_3 \gamma_\mu u_3) (\bar{u}_3 \gamma^\mu u_3)$	R
dd_1111	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_1 \gamma^\mu d_1)$	R
dd_1112	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_1 \gamma^\mu d_2)$	C
dd_1113	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_1 \gamma^\mu d_3)$	C
dd_1122	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_2 \gamma^\mu d_2)$	R
dd_1123	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_1133	$(\bar{d}_1 \gamma_\mu d_1) (\bar{d}_3 \gamma^\mu d_3)$	R
dd_1212	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_1 \gamma^\mu d_2)$	C
dd_1213	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_1 \gamma^\mu d_3)$	C
dd_1221	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_1)$	R
dd_1222	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_2)$	C
dd_1223	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_1231	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_3 \gamma^\mu d_1)$	C
dd_1232	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_3 \gamma^\mu d_2)$	C
dd_1233	$(\bar{d}_1 \gamma_\mu d_2) (\bar{d}_3 \gamma^\mu d_3)$	C
dd_1313	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_1 \gamma^\mu d_3)$	C
dd_1322	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_2 \gamma^\mu d_2)$	C
dd_1323	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_1331	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_1)$	R
dd_1332	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_2)$	C
dd_1333	$(\bar{d}_1 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_3)$	C
dd_2222	$(\bar{d}_2 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_2)$	R
dd_2223	$(\bar{d}_2 \gamma_\mu d_2) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_2233	$(\bar{d}_2 \gamma_\mu d_2) (\bar{d}_3 \gamma^\mu d_3)$	R
dd_2323	$(\bar{d}_2 \gamma_\mu d_3) (\bar{d}_2 \gamma^\mu d_3)$	C
dd_2332	$(\bar{d}_2 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_2)$	R
dd_2333	$(\bar{d}_2 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_3)$	C
dd_3333	$(\bar{d}_3 \gamma_\mu d_3) (\bar{d}_3 \gamma^\mu d_3)$	R
eu_1111	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_1 \gamma^\mu u_1)$	R
eu_1112	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_1113	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_1 \gamma^\mu u_3)$	C

WC name	Operator	Type
eu_1122	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_2 \gamma^\mu u_2)$	R
eu_1123	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_1133	$(\bar{e}_1 \gamma_\mu e_1) (\bar{u}_3 \gamma^\mu u_3)$	R
eu_1211	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_1)$	C
eu_1212	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_1213	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_1221	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_1)$	C
eu_1222	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_2)$	C
eu_1223	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_1231	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_3 \gamma^\mu u_1)$	C
eu_1232	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_3 \gamma^\mu u_2)$	C
eu_1233	$(\bar{e}_1 \gamma_\mu e_2) (\bar{u}_3 \gamma^\mu u_3)$	C
eu_1311	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_1)$	C
eu_1312	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_1313	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_1321	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_1)$	C
eu_1322	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_2)$	C
eu_1323	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_1331	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_1)$	C
eu_1332	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_2)$	C
eu_1333	$(\bar{e}_1 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_3)$	C
eu_2211	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_1)$	R
eu_2212	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_2213	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_2222	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_2)$	R
eu_2223	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_2233	$(\bar{e}_2 \gamma_\mu e_2) (\bar{u}_3 \gamma^\mu u_3)$	R
eu_2311	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_1)$	C
eu_2312	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_2313	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_2321	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_1)$	C
eu_2322	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_2)$	C
eu_2323	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_2331	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_1)$	C
eu_2332	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_2)$	C
eu_2333	$(\bar{e}_2 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_3)$	C
eu_3311	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_1)$	R
eu_3312	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_2)$	C
eu_3313	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_1 \gamma^\mu u_3)$	C
eu_3322	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_2)$	R
eu_3323	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_2 \gamma^\mu u_3)$	C
eu_3333	$(\bar{e}_3 \gamma_\mu e_3) (\bar{u}_3 \gamma^\mu u_3)$	R
ed_1111	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_1 \gamma^\mu d_1)$	R
ed_1112	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_1 \gamma^\mu d_2)$	C

WC name	Operator	Type
ed_1113	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_1122	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_2 \gamma^\mu d_2)$	R
ed_1123	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_1133	$(\bar{e}_1 \gamma_\mu e_1) (\bar{d}_3 \gamma^\mu d_3)$	R
ed_1211	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_1)$	C
ed_1212	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_1213	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_1221	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_1)$	C
ed_1222	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_2)$	C
ed_1223	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_1231	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_3 \gamma^\mu d_1)$	C
ed_1232	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_3 \gamma^\mu d_2)$	C
ed_1233	$(\bar{e}_1 \gamma_\mu e_2) (\bar{d}_3 \gamma^\mu d_3)$	C
ed_1311	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_1)$	C
ed_1312	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_1313	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_1321	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_1)$	C
ed_1322	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_2)$	C
ed_1323	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_1331	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_1)$	C
ed_1332	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_2)$	C
ed_1333	$(\bar{e}_1 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_3)$	C
ed_2211	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_1)$	R
ed_2212	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_2213	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_2222	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_2)$	R
ed_2223	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_2233	$(\bar{e}_2 \gamma_\mu e_2) (\bar{d}_3 \gamma^\mu d_3)$	R
ed_2311	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_1)$	C
ed_2312	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_2313	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_2321	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_1)$	C
ed_2322	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_2)$	C
ed_2323	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ed_2331	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_1)$	C
ed_2332	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_2)$	C
ed_2333	$(\bar{e}_2 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_3)$	C
ed_3311	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_1)$	R
ed_3312	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ed_3313	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ed_3322	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_2)$	R
ed_3323	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_2 \gamma^\mu d_3)$	C

WC name	Operator	Type
ed_3333	$(\bar{e}_3 \gamma_\mu e_3) (\bar{d}_3 \gamma^\mu d_3)$	R
ud1_1111	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_1 \gamma^\mu d_1)$	R
ud1_1112	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_1113	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_1122	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_2 \gamma^\mu d_2)$	R
ud1_1123	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_1133	$(\bar{u}_1 \gamma_\mu u_1) (\bar{d}_3 \gamma^\mu d_3)$	R
ud1_1211	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_1)$	C
ud1_1212	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_1213	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_1221	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_1)$	C
ud1_1222	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_2)$	C
ud1_1223	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_1231	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_3 \gamma^\mu d_1)$	C
ud1_1232	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_3 \gamma^\mu d_2)$	C
ud1_1233	$(\bar{u}_1 \gamma_\mu u_2) (\bar{d}_3 \gamma^\mu d_3)$	C
ud1_1311	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_1)$	C
ud1_1312	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_1313	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_1321	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_1)$	C
ud1_1322	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_2)$	C
ud1_1323	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_1331	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_1)$	C
ud1_1332	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_2)$	C
ud1_1333	$(\bar{u}_1 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_3)$	C
ud1_2211	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_1)$	R
ud1_2212	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_2213	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_2222	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_2)$	R
ud1_2223	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_2233	$(\bar{u}_2 \gamma_\mu u_2) (\bar{d}_3 \gamma^\mu d_3)$	R
ud1_2311	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_1)$	C
ud1_2312	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_2)$	C
ud1_2313	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_2321	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_1)$	C
ud1_2322	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_2)$	C
ud1_2323	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_2331	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_1)$	C
ud1_2332	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_2)$	C
ud1_2333	$(\bar{u}_2 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_3)$	C
ud1_3311	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_1)$	R
ud1_3312	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_2)$	C

WC name	Operator	Type
ud1_3313	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_1 \gamma^\mu d_3)$	C
ud1_3322	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_2)$	R
ud1_3323	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_2 \gamma^\mu d_3)$	C
ud1_3333	$(\bar{u}_3 \gamma_\mu u_3) (\bar{d}_3 \gamma^\mu d_3)$	R
ud8_1111	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
ud8_1112	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_1113	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_1122	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
ud8_1123	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_1133	$(\bar{u}_1 \gamma_\mu T^A u_1) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
ud8_1211	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
ud8_1212	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_1213	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_1221	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
ud8_1222	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
ud8_1223	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_1231	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
ud8_1232	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
ud8_1233	$(\bar{u}_1 \gamma_\mu T^A u_2) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
ud8_1311	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
ud8_1312	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_1313	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_1321	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
ud8_1322	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
ud8_1323	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_1331	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
ud8_1332	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
ud8_1333	$(\bar{u}_1 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
ud8_2211	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
ud8_2212	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_2213	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_2222	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
ud8_2223	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_2233	$(\bar{u}_2 \gamma_\mu T^A u_2) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
ud8_2311	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
ud8_2312	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_2313	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_2321	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
ud8_2322	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
ud8_2323	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_2331	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
ud8_2332	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_2)$	C

WC name	Operator	Type
ud8_2333	$(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
ud8_3311	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
ud8_3312	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
ud8_3313	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
ud8_3322	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
ud8_3323	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
ud8_3333	$(\bar{u}_3 \gamma_\mu T^A u_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
1e_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_1 \gamma^\mu e_1)$	R
1e_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_2 \gamma^\mu e_2)$	R
1e_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{e}_3 \gamma^\mu e_3)$	R
1e_1211	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_1)$	C
1e_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_1)$	C
1e_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_2)$	C
1e_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_3 \gamma^\mu e_1)$	C
1e_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_3 \gamma^\mu e_2)$	C
1e_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{e}_3 \gamma^\mu e_3)$	C
1e_1311	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_1)$	C
1e_1312	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_1321	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_1)$	C
1e_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_2)$	C
1e_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_1)$	C
1e_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_2)$	C
1e_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_3)$	C
1e_2211	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_1)$	R
1e_2212	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_2213	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_2)$	R
1e_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{e}_3 \gamma^\mu e_3)$	R
1e_2311	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_1)$	C
1e_2312	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_2313	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_2321	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_1)$	C
1e_2322	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_2)$	C



WC name	Operator	Type
1e_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_2331	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_1)$	C
1e_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_2)$	C
1e_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_3)$	C
1e_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_1)$	R
1e_3312	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_2)$	C
1e_3313	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_3)$	C
1e_3322	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_2)$	R
1e_3323	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_2 \gamma^\mu e_3)$	C
1e_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_3 \gamma^\mu e_3)$	R
1u_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_1 \gamma^\mu u_1)$	R
1u_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_2 \gamma^\mu u_2)$	R
1u_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_3 \gamma^\mu u_3)$	R
1u_1211	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_1)$	C
1u_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_1)$	C
1u_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_2)$	C
1u_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_3 \gamma^\mu u_1)$	C
1u_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_3 \gamma^\mu u_2)$	C
1u_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{u}_3 \gamma^\mu u_3)$	C
1u_1311	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_1)$	C
1u_1312	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_1321	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_1)$	C
1u_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_2)$	C
1u_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_1)$	C
1u_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_2)$	C
1u_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_3)$	C
1u_2211	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_1)$	R
1u_2212	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_2213	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_2)$	R
1u_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{u}_3 \gamma^\mu u_3)$	R
1u_2311	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_1)$	C
1u_2312	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_2)$	C

WC name	Operator	Type
1u_2313	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_2321	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_1)$	C
1u_2322	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_2)$	C
1u_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_2331	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_1)$	C
1u_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_2)$	C
1u_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_3)$	C
1u_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_1)$	R
1u_3312	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_2)$	C
1u_3313	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_1 \gamma^\mu u_3)$	C
1u_3322	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_2)$	R
1u_3323	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_2 \gamma^\mu u_3)$	C
1u_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{u}_3 \gamma^\mu u_3)$	R
1d_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_1 \gamma^\mu d_1)$	R
1d_1112	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_1113	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_1122	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_2 \gamma^\mu d_2)$	R
1d_1123	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_1133	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_3 \gamma^\mu d_3)$	R
1d_1211	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_1)$	C
1d_1212	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_1213	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_1221	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_1)$	C
1d_1222	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_2)$	C
1d_1223	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_1231	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_1)$	C
1d_1232	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_2)$	C
1d_1233	$(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_3)$	C
1d_1311	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_1)$	C
1d_1312	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_1313	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_1321	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_1)$	C
1d_1322	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_2)$	C
1d_1323	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_1331	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_1)$	C
1d_1332	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_2)$	C
1d_1333	$(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_3)$	C
1d_2211	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_1)$	R
1d_2212	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_2213	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_2222	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_2)$	R
1d_2223	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_3)$	C

WC name	Operator	Type
1d_2233	$(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_3)$	R
1d_2311	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_1)$	C
1d_2312	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_2313	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_2321	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_1)$	C
1d_2322	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_2)$	C
1d_2323	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_2331	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_1)$	C
1d_2332	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_2)$	C
1d_2333	$(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_3)$	C
1d_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_1)$	R
1d_3312	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_2)$	C
1d_3313	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_3)$	C
1d_3322	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_2)$	R
1d_3323	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_3)$	C
1d_3333	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_3)$	R
qe_1111	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_1 \gamma^\mu e_1)$	R
qe_1112	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_1113	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_1122	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_2 \gamma^\mu e_2)$	R
qe_1123	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_1133	$(\bar{q}_1 \gamma_\mu q_1) (\bar{e}_3 \gamma^\mu e_3)$	R
qe_1211	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_1)$	C
qe_1212	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_1213	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_1221	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_1)$	C
qe_1222	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_2)$	C
qe_1223	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_1231	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_3 \gamma^\mu e_1)$	C
qe_1232	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_3 \gamma^\mu e_2)$	C
qe_1233	$(\bar{q}_1 \gamma_\mu q_2) (\bar{e}_3 \gamma^\mu e_3)$	C
qe_1311	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_1)$	C
qe_1312	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_1313	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_1321	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_1)$	C
qe_1322	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_2)$	C
qe_1323	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_1331	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_1)$	C
qe_1332	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_2)$	C
qe_1333	$(\bar{q}_1 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_3)$	C
qe_2211	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_1)$	R
qe_2212	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_2213	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_1 \gamma^\mu e_3)$	C

WC name	Operator	Type
qe_2222	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_2)$	R
qe_2223	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_2233	$(\bar{q}_2 \gamma_\mu q_2) (\bar{e}_3 \gamma^\mu e_3)$	R
qe_2311	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_1)$	C
qe_2312	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_2313	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_2321	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_1)$	C
qe_2322	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_2)$	C
qe_2323	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_2331	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_1)$	C
qe_2332	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_2)$	C
qe_2333	$(\bar{q}_2 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_3)$	C
qe_3311	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_1)$	R
qe_3312	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_2)$	C
qe_3313	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_1 \gamma^\mu e_3)$	C
qe_3322	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_2)$	R
qe_3323	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_2 \gamma^\mu e_3)$	C
qe_3333	$(\bar{q}_3 \gamma_\mu q_3) (\bar{e}_3 \gamma^\mu e_3)$	R
qu1_1111	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_1 \gamma^\mu u_1)$	R
qu1_1112	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_1113	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_1122	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_2 \gamma^\mu u_2)$	R
qu1_1123	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_1133	$(\bar{q}_1 \gamma_\mu q_1) (\bar{u}_3 \gamma^\mu u_3)$	R
qu1_1211	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_1)$	C
qu1_1212	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_1213	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_1221	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_1)$	C
qu1_1222	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_2)$	C
qu1_1223	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_1231	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_3 \gamma^\mu u_1)$	C
qu1_1232	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_3 \gamma^\mu u_2)$	C
qu1_1233	$(\bar{q}_1 \gamma_\mu q_2) (\bar{u}_3 \gamma^\mu u_3)$	C
qu1_1311	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_1)$	C
qu1_1312	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_1313	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_1321	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_1)$	C
qu1_1322	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_2)$	C
qu1_1323	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_1331	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_1)$	C
qu1_1332	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_2)$	C
qu1_1333	$(\bar{q}_1 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_3)$	C
qu1_2211	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_1)$	R
qu1_2212	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_2)$	C

WC name	Operator	Type
qu1_2213	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_2222	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_2)$	R
qu1_2223	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_2233	$(\bar{q}_2 \gamma_\mu q_2) (\bar{u}_3 \gamma^\mu u_3)$	R
qu1_2311	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_1)$	C
qu1_2312	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_2313	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_2321	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_1)$	C
qu1_2322	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_2)$	C
qu1_2323	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_2331	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_1)$	C
qu1_2332	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_2)$	C
qu1_2333	$(\bar{q}_2 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_3)$	C
qu1_3311	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_1)$	R
qu1_3312	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_2)$	C
qu1_3313	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_1 \gamma^\mu u_3)$	C
qu1_3322	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_2)$	R
qu1_3323	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_2 \gamma^\mu u_3)$	C
qu1_3333	$(\bar{q}_3 \gamma_\mu q_3) (\bar{u}_3 \gamma^\mu u_3)$	R
qd1_1111	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_1 \gamma^\mu d_1)$	R
qd1_1112	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_1113	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_1122	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_2 \gamma^\mu d_2)$	R
qd1_1123	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_1133	$(\bar{q}_1 \gamma_\mu q_1) (\bar{d}_3 \gamma^\mu d_3)$	R
qd1_1211	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_1)$	C
qd1_1212	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_1213	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_1221	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_1)$	C
qd1_1222	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_2)$	C
qd1_1223	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_1231	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_3 \gamma^\mu d_1)$	C
qd1_1232	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_3 \gamma^\mu d_2)$	C
qd1_1233	$(\bar{q}_1 \gamma_\mu q_2) (\bar{d}_3 \gamma^\mu d_3)$	C
qd1_1311	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_1)$	C
qd1_1312	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_1313	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_1321	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_1)$	C
qd1_1322	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_2)$	C
qd1_1323	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_1331	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_1)$	C
qd1_1332	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_2)$	C
qd1_1333	$(\bar{q}_1 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_3)$	C

WC name	Operator	Type
qd1_2211	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_1)$	R
qd1_2212	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_2213	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_2222	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_2)$	R
qd1_2223	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_2233	$(\bar{q}_2 \gamma_\mu q_2) (\bar{d}_3 \gamma^\mu d_3)$	R
qd1_2311	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_1)$	C
qd1_2312	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_2313	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_2321	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_1)$	C
qd1_2322	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_2)$	C
qd1_2323	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_2331	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_1)$	C
qd1_2332	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_2)$	C
qd1_2333	$(\bar{q}_2 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_3)$	C
qd1_3311	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_1)$	R
qd1_3312	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_2)$	C
qd1_3313	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_1 \gamma^\mu d_3)$	C
qd1_3322	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_2)$	R
qd1_3323	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_2 \gamma^\mu d_3)$	C
qd1_3333	$(\bar{q}_3 \gamma_\mu q_3) (\bar{d}_3 \gamma^\mu d_3)$	R
qu8_1111	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_1 \gamma^\mu T^A u_1)$	R
qu8_1112	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_1113	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_1122	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_2 \gamma^\mu T^A u_2)$	R
qu8_1123	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_1133	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{u}_3 \gamma^\mu T^A u_3)$	R
qu8_1211	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_1)$	C
qu8_1212	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_1213	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_1221	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_1)$	C
qu8_1222	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_2)$	C
qu8_1223	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_1231	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_3 \gamma^\mu T^A u_1)$	C
qu8_1232	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_3 \gamma^\mu T^A u_2)$	C
qu8_1233	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{u}_3 \gamma^\mu T^A u_3)$	C
qu8_1311	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_1)$	C
qu8_1312	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_1313	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_1321	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_1)$	C
qu8_1322	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_2)$	C
qu8_1323	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_1331	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_1)$	C

WC name	Operator	Type
qu8_1332	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_2)$	C
qu8_1333	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_3)$	C
qu8_2211	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_1)$	R
qu8_2212	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_2213	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_2222	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_2)$	R
qu8_2223	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_2233	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{u}_3 \gamma^\mu T^A u_3)$	R
qu8_2311	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_1)$	C
qu8_2312	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_2313	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_2321	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_1)$	C
qu8_2322	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_2)$	C
qu8_2323	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_2331	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_1)$	C
qu8_2332	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_2)$	C
qu8_2333	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_3)$	C
qu8_3311	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_1)$	R
qu8_3312	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_2)$	C
qu8_3313	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_1 \gamma^\mu T^A u_3)$	C
qu8_3322	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_2)$	R
qu8_3323	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_2 \gamma^\mu T^A u_3)$	C
qu8_3333	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{u}_3 \gamma^\mu T^A u_3)$	R
qd8_1111	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
qd8_1112	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_1113	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_1122	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
qd8_1123	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_1133	$(\bar{q}_1 \gamma_\mu T^A q_1) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
qd8_1211	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
qd8_1212	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_1213	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_1221	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
qd8_1222	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
qd8_1223	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_1231	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
qd8_1232	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
qd8_1233	$(\bar{q}_1 \gamma_\mu T^A q_2) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
qd8_1311	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
qd8_1312	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_1313	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_1321	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
qd8_1322	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	C

WC name	Operator	Type
qd8_1323	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_1331	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
qd8_1332	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
qd8_1333	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
qd8_2211	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
qd8_2212	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_2213	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_2222	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
qd8_2223	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_2233	$(\bar{q}_2 \gamma_\mu T^A q_2) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
qd8_2311	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	C
qd8_2312	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_2313	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_2321	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_1)$	C
qd8_2322	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	C
qd8_2323	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_2331	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_1)$	C
qd8_2332	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_2)$	C
qd8_2333	$(\bar{q}_2 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	C
qd8_3311	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_1)$	R
qd8_3312	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_2)$	C
qd8_3313	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_3322	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_2)$	R
qd8_3323	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_2 \gamma^\mu T^A d_3)$	C
qd8_3333	$(\bar{q}_3 \gamma_\mu T^A q_3) (\bar{d}_3 \gamma^\mu T^A d_3)$	R
ledq_1111	$(\bar{\ell}_1 e_1) (\bar{d}_1 q_1)$	C
ledq_1112	$(\bar{\ell}_1 e_1) (\bar{d}_1 q_2)$	C
ledq_1113	$(\bar{\ell}_1 e_1) (\bar{d}_1 q_3)$	C
ledq_1121	$(\bar{\ell}_1 e_1) (\bar{d}_2 q_1)$	C
ledq_1122	$(\bar{\ell}_1 e_1) (\bar{d}_2 q_2)$	C
ledq_1123	$(\bar{\ell}_1 e_1) (\bar{d}_2 q_3)$	C
ledq_1131	$(\bar{\ell}_1 e_1) (\bar{d}_3 q_1)$	C
ledq_1132	$(\bar{\ell}_1 e_1) (\bar{d}_3 q_2)$	C
ledq_1133	$(\bar{\ell}_1 e_1) (\bar{d}_3 q_3)$	C
ledq_1211	$(\bar{\ell}_1 e_2) (\bar{d}_1 q_1)$	C
ledq_1212	$(\bar{\ell}_1 e_2) (\bar{d}_1 q_2)$	C
ledq_1213	$(\bar{\ell}_1 e_2) (\bar{d}_1 q_3)$	C
ledq_1221	$(\bar{\ell}_1 e_2) (\bar{d}_2 q_1)$	C
ledq_1222	$(\bar{\ell}_1 e_2) (\bar{d}_2 q_2)$	C
ledq_1223	$(\bar{\ell}_1 e_2) (\bar{d}_2 q_3)$	C
ledq_1231	$(\bar{\ell}_1 e_2) (\bar{d}_3 q_1)$	C
ledq_1232	$(\bar{\ell}_1 e_2) (\bar{d}_3 q_2)$	C



WC name	Operator	Type
ledq_1233	$(\bar{\ell}_1 e_2) (\bar{d}_3 q_3)$	C
ledq_1311	$(\bar{\ell}_1 e_3) (\bar{d}_1 q_1)$	C
ledq_1312	$(\bar{\ell}_1 e_3) (\bar{d}_1 q_2)$	C
ledq_1313	$(\bar{\ell}_1 e_3) (\bar{d}_1 q_3)$	C
ledq_1321	$(\bar{\ell}_1 e_3) (\bar{d}_2 q_1)$	C
ledq_1322	$(\bar{\ell}_1 e_3) (\bar{d}_2 q_2)$	C
ledq_1323	$(\bar{\ell}_1 e_3) (\bar{d}_2 q_3)$	C
ledq_1331	$(\bar{\ell}_1 e_3) (\bar{d}_3 q_1)$	C
ledq_1332	$(\bar{\ell}_1 e_3) (\bar{d}_3 q_2)$	C
ledq_1333	$(\bar{\ell}_1 e_3) (\bar{d}_3 q_3)$	C
ledq_2111	$(\bar{\ell}_2 e_1) (\bar{d}_1 q_1)$	C
ledq_2112	$(\bar{\ell}_2 e_1) (\bar{d}_1 q_2)$	C
ledq_2113	$(\bar{\ell}_2 e_1) (\bar{d}_1 q_3)$	C
ledq_2121	$(\bar{\ell}_2 e_1) (\bar{d}_2 q_1)$	C
ledq_2122	$(\bar{\ell}_2 e_1) (\bar{d}_2 q_2)$	C
ledq_2123	$(\bar{\ell}_2 e_1) (\bar{d}_2 q_3)$	C
ledq_2131	$(\bar{\ell}_2 e_1) (\bar{d}_3 q_1)$	C
ledq_2132	$(\bar{\ell}_2 e_1) (\bar{d}_3 q_2)$	C
ledq_2133	$(\bar{\ell}_2 e_1) (\bar{d}_3 q_3)$	C
ledq_2211	$(\bar{\ell}_2 e_2) (\bar{d}_1 q_1)$	C
ledq_2212	$(\bar{\ell}_2 e_2) (\bar{d}_1 q_2)$	C
ledq_2213	$(\bar{\ell}_2 e_2) (\bar{d}_1 q_3)$	C
ledq_2221	$(\bar{\ell}_2 e_2) (\bar{d}_2 q_1)$	C
ledq_2222	$(\bar{\ell}_2 e_2) (\bar{d}_2 q_2)$	C
ledq_2223	$(\bar{\ell}_2 e_2) (\bar{d}_2 q_3)$	C
ledq_2231	$(\bar{\ell}_2 e_2) (\bar{d}_3 q_1)$	C
ledq_2232	$(\bar{\ell}_2 e_2) (\bar{d}_3 q_2)$	C
ledq_2233	$(\bar{\ell}_2 e_2) (\bar{d}_3 q_3)$	C
ledq_2311	$(\bar{\ell}_2 e_3) (\bar{d}_1 q_1)$	C
ledq_2312	$(\bar{\ell}_2 e_3) (\bar{d}_1 q_2)$	C
ledq_2313	$(\bar{\ell}_2 e_3) (\bar{d}_1 q_3)$	C
ledq_2321	$(\bar{\ell}_2 e_3) (\bar{d}_2 q_1)$	C
ledq_2322	$(\bar{\ell}_2 e_3) (\bar{d}_2 q_2)$	C
ledq_2323	$(\bar{\ell}_2 e_3) (\bar{d}_2 q_3)$	C
ledq_2331	$(\bar{\ell}_2 e_3) (\bar{d}_3 q_1)$	C
ledq_2332	$(\bar{\ell}_2 e_3) (\bar{d}_3 q_2)$	C
ledq_2333	$(\bar{\ell}_2 e_3) (\bar{d}_3 q_3)$	C
ledq_3111	$(\bar{\ell}_3 e_1) (\bar{d}_1 q_1)$	C
ledq_3112	$(\bar{\ell}_3 e_1) (\bar{d}_1 q_2)$	C
ledq_3113	$(\bar{\ell}_3 e_1) (\bar{d}_1 q_3)$	C
ledq_3121	$(\bar{\ell}_3 e_1) (\bar{d}_2 q_1)$	C
ledq_3122	$(\bar{\ell}_3 e_1) (\bar{d}_2 q_2)$	C

WC name	Operator	Type
ledq_3123	$(\bar{\ell}_3 e_1) (\bar{d}_2 q_3)$	C
ledq_3131	$(\bar{\ell}_3 e_1) (\bar{d}_3 q_1)$	C
ledq_3132	$(\bar{\ell}_3 e_1) (\bar{d}_3 q_2)$	C
ledq_3133	$(\bar{\ell}_3 e_1) (\bar{d}_3 q_3)$	C
ledq_3211	$(\bar{\ell}_3 e_2) (\bar{d}_1 q_1)$	C
ledq_3212	$(\bar{\ell}_3 e_2) (\bar{d}_1 q_2)$	C
ledq_3213	$(\bar{\ell}_3 e_2) (\bar{d}_1 q_3)$	C
ledq_3221	$(\bar{\ell}_3 e_2) (\bar{d}_2 q_1)$	C
ledq_3222	$(\bar{\ell}_3 e_2) (\bar{d}_2 q_2)$	C
ledq_3223	$(\bar{\ell}_3 e_2) (\bar{d}_2 q_3)$	C
ledq_3231	$(\bar{\ell}_3 e_2) (\bar{d}_3 q_1)$	C
ledq_3232	$(\bar{\ell}_3 e_2) (\bar{d}_3 q_2)$	C
ledq_3233	$(\bar{\ell}_3 e_2) (\bar{d}_3 q_3)$	C
ledq_3311	$(\bar{\ell}_3 e_3) (\bar{d}_1 q_1)$	C
ledq_3312	$(\bar{\ell}_3 e_3) (\bar{d}_1 q_2)$	C
ledq_3313	$(\bar{\ell}_3 e_3) (\bar{d}_1 q_3)$	C
ledq_3321	$(\bar{\ell}_3 e_3) (\bar{d}_2 q_1)$	C
ledq_3322	$(\bar{\ell}_3 e_3) (\bar{d}_2 q_2)$	C
ledq_3323	$(\bar{\ell}_3 e_3) (\bar{d}_2 q_3)$	C
ledq_3331	$(\bar{\ell}_3 e_3) (\bar{d}_3 q_1)$	C
ledq_3332	$(\bar{\ell}_3 e_3) (\bar{d}_3 q_2)$	C
ledq_3333	$(\bar{\ell}_3 e_3) (\bar{d}_3 q_3)$	C
quqd1_1111	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_1112	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_1113	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_1121	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_1122	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_1123	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_1131	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_1132	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_1133	$(\bar{q}_1 u_1) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_1211	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_1212	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_1213	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_1221	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_1222	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_1223	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_1231	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_1232	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_1233	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_1311	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_1312	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_1313	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_1 d_3)$	C

WC name	Operator	Type
quqd1_1321	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_1322	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_1323	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_1331	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_1332	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_1333	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_2111	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_2112	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_2113	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_2121	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_2122	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_2123	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_2131	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_2132	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_2133	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_2211	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_2212	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_2213	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_2221	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_2222	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_2223	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_2231	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_2232	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_2233	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_2311	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_2312	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_2313	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_2321	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_2322	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_2323	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_2331	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_2332	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_2333	$(\bar{q}_2 u_3) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_3111	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_3112	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_3113	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_3121	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_3122	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_3123	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_3131	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_3132	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_3133	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_3211	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_3212	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_2)$	C

WC name	Operator	Type
quqd1_3213	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_3221	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_3222	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_3223	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_3231	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_3232	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_3233	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_3311	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_1 d_1)$	C
quqd1_3312	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_1 d_2)$	C
quqd1_3313	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_3321	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_2 d_1)$	C
quqd1_3322	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_2 d_2)$	C
quqd1_3323	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_2 d_3)$	C
quqd1_3331	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_3 d_1)$	C
quqd1_3332	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_3333	$(\bar{q}_3 u_3) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd8_1111	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_1112	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_1113	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_1121	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_1122	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_1123	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_1131	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_1132	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_1133	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_1211	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_1212	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_1213	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_1221	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_1222	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_1223	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_1231	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_1232	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_1233	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_1311	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_1312	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_1313	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_1321	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_1322	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_1323	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_1331	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_1332	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_1333	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_2111	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C

WC name	Operator	Type
quqd8_2112	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_2113	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_2121	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_2122	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_2123	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_2131	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_2132	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_2133	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_2211	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_2212	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_2213	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_2221	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_2222	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_2223	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_2231	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_2232	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_2233	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_2311	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_2312	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_2313	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_2321	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_2322	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_2323	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_2331	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_2332	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_2333	$(\bar{q}_2 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_3111	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_3112	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_3113	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_3121	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_3122	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_3123	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_3131	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_3132	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_3133	$(\bar{q}_3 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
quqd8_3211	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_3212	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_3213	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_3221	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_3222	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_3223	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_3231	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_3232	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_3233	$(\bar{q}_3 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C

WC name	Operator	Type
quqd8_3311	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	C
quqd8_3312	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	C
quqd8_3313	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	C
quqd8_3321	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	C
quqd8_3322	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_2)$	C
quqd8_3323	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	C
quqd8_3331	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	C
quqd8_3332	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	C
quqd8_3333	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	C
lequ1_1111	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_1112	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_1113	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_1121	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_1122	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_1123	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_1131	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_1132	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_1133	$(\bar{\ell}_1 e_1) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_1211	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_1212	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_1213	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_1221	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_1222	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_1223	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_1231	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_1232	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_1233	$(\bar{\ell}_1 e_2) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_1311	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_1312	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_1313	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_1321	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_1322	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_1323	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_1331	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_1332	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_1333	$(\bar{\ell}_1 e_3) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_2111	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_2112	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_2113	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_2121	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_2122	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_2123	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_2 u_3)$	C

WC name	Operator	Type
lequ1_2131	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_2132	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_2133	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_2211	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_2212	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_2213	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_2221	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_2222	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_2223	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_2231	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_2232	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_2233	$(\bar{\ell}_2 e_2) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_2311	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_2312	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_2313	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_2321	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_2322	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_2323	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_2331	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_2332	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_2333	$(\bar{\ell}_2 e_3) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_3111	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_3112	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_3113	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_3121	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_3122	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_3123	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_3131	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_3132	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_3133	$(\bar{\ell}_3 e_1) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_3211	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_3212	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_3213	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_1 u_3)$	C
lequ1_3221	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_3222	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_2 u_2)$	C
lequ1_3223	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_2 u_3)$	C
lequ1_3231	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_3 u_1)$	C
lequ1_3232	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_3 u_2)$	C
lequ1_3233	$(\bar{\ell}_3 e_2) \epsilon_{jk} (\bar{q}_3 u_3)$	C
lequ1_3311	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_1 u_1)$	C
lequ1_3312	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_1 u_2)$	C
lequ1_3313	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_1 u_3)$	C







WC name	Operator	Type
lequ3_3331	$(\bar{\ell}_3 \sigma_{\mu\nu} e_3) \epsilon_{jk} (\bar{q}_3 \sigma^{\mu\nu} u_1)$	C
lequ3_3332	$(\bar{\ell}_3 \sigma_{\mu\nu} e_3) \epsilon_{jk} (\bar{q}_3 \sigma^{\mu\nu} u_2)$	C
lequ3_3333	$(\bar{\ell}_3 \sigma_{\mu\nu} e_3) \epsilon_{jk} (\bar{q}_3 \sigma^{\mu\nu} u_3)$	C

**dB=dL=1**

WC name	Operator	Type
duql_1111	$(d_1 C u_1) (q_1 C \ell_1)$	C
duql_1112	$(d_1 C u_1) (q_1 C \ell_2)$	C
duql_1113	$(d_1 C u_1) (q_1 C \ell_3)$	C
duql_1121	$(d_1 C u_1) (q_2 C \ell_1)$	C
duql_1122	$(d_1 C u_1) (q_2 C \ell_2)$	C
duql_1123	$(d_1 C u_1) (q_2 C \ell_3)$	C
duql_1131	$(d_1 C u_1) (q_3 C \ell_1)$	C
duql_1132	$(d_1 C u_1) (q_3 C \ell_2)$	C
duql_1133	$(d_1 C u_1) (q_3 C \ell_3)$	C
duql_1211	$(d_1 C u_2) (q_1 C \ell_1)$	C
duql_1212	$(d_1 C u_2) (q_1 C \ell_2)$	C
duql_1213	$(d_1 C u_2) (q_1 C \ell_3)$	C
duql_1221	$(d_1 C u_2) (q_2 C \ell_1)$	C
duql_1222	$(d_1 C u_2) (q_2 C \ell_2)$	C
duql_1223	$(d_1 C u_2) (q_2 C \ell_3)$	C
duql_1231	$(d_1 C u_2) (q_3 C \ell_1)$	C
duql_1232	$(d_1 C u_2) (q_3 C \ell_2)$	C
duql_1233	$(d_1 C u_2) (q_3 C \ell_3)$	C
duql_1311	$(d_1 C u_3) (q_1 C \ell_1)$	C
duql_1312	$(d_1 C u_3) (q_1 C \ell_2)$	C
duql_1313	$(d_1 C u_3) (q_1 C \ell_3)$	C
duql_1321	$(d_1 C u_3) (q_2 C \ell_1)$	C
duql_1322	$(d_1 C u_3) (q_2 C \ell_2)$	C
duql_1323	$(d_1 C u_3) (q_2 C \ell_3)$	C
duql_1331	$(d_1 C u_3) (q_3 C \ell_1)$	C
duql_1332	$(d_1 C u_3) (q_3 C \ell_2)$	C
duql_1333	$(d_1 C u_3) (q_3 C \ell_3)$	C
duql_2111	$(d_2 C u_1) (q_1 C \ell_1)$	C
duql_2112	$(d_2 C u_1) (q_1 C \ell_2)$	C
duql_2113	$(d_2 C u_1) (q_1 C \ell_3)$	C
duql_2121	$(d_2 C u_1) (q_2 C \ell_1)$	C
duql_2122	$(d_2 C u_1) (q_2 C \ell_2)$	C
duql_2123	$(d_2 C u_1) (q_2 C \ell_3)$	C
duql_2131	$(d_2 C u_1) (q_3 C \ell_1)$	C
duql_2132	$(d_2 C u_1) (q_3 C \ell_2)$	C

WC name	Operator	Type
duql_2133	$(d_2Cu_1)(q_3C\ell_3)$	C
duql_2211	$(d_2Cu_2)(q_1C\ell_1)$	C
duql_2212	$(d_2Cu_2)(q_1C\ell_2)$	C
duql_2213	$(d_2Cu_2)(q_1C\ell_3)$	C
duql_2221	$(d_2Cu_2)(q_2C\ell_1)$	C
duql_2222	$(d_2Cu_2)(q_2C\ell_2)$	C
duql_2223	$(d_2Cu_2)(q_2C\ell_3)$	C
duql_2231	$(d_2Cu_2)(q_3C\ell_1)$	C
duql_2232	$(d_2Cu_2)(q_3C\ell_2)$	C
duql_2233	$(d_2Cu_2)(q_3C\ell_3)$	C
duql_2311	$(d_2Cu_3)(q_1C\ell_1)$	C
duql_2312	$(d_2Cu_3)(q_1C\ell_2)$	C
duql_2313	$(d_2Cu_3)(q_1C\ell_3)$	C
duql_2321	$(d_2Cu_3)(q_2C\ell_1)$	C
duql_2322	$(d_2Cu_3)(q_2C\ell_2)$	C
duql_2323	$(d_2Cu_3)(q_2C\ell_3)$	C
duql_2331	$(d_2Cu_3)(q_3C\ell_1)$	C
duql_2332	$(d_2Cu_3)(q_3C\ell_2)$	C
duql_2333	$(d_2Cu_3)(q_3C\ell_3)$	C
duql_3111	$(d_3Cu_1)(q_1C\ell_1)$	C
duql_3112	$(d_3Cu_1)(q_1C\ell_2)$	C
duql_3113	$(d_3Cu_1)(q_1C\ell_3)$	C
duql_3121	$(d_3Cu_1)(q_2C\ell_1)$	C
duql_3122	$(d_3Cu_1)(q_2C\ell_2)$	C
duql_3123	$(d_3Cu_1)(q_2C\ell_3)$	C
duql_3131	$(d_3Cu_1)(q_3C\ell_1)$	C
duql_3132	$(d_3Cu_1)(q_3C\ell_2)$	C
duql_3133	$(d_3Cu_1)(q_3C\ell_3)$	C
duql_3211	$(d_3Cu_2)(q_1C\ell_1)$	C
duql_3212	$(d_3Cu_2)(q_1C\ell_2)$	C
duql_3213	$(d_3Cu_2)(q_1C\ell_3)$	C
duql_3221	$(d_3Cu_2)(q_2C\ell_1)$	C
duql_3222	$(d_3Cu_2)(q_2C\ell_2)$	C
duql_3223	$(d_3Cu_2)(q_2C\ell_3)$	C
duql_3231	$(d_3Cu_2)(q_3C\ell_1)$	C
duql_3232	$(d_3Cu_2)(q_3C\ell_2)$	C
duql_3233	$(d_3Cu_2)(q_3C\ell_3)$	C
duql_3311	$(d_3Cu_3)(q_1C\ell_1)$	C
duql_3312	$(d_3Cu_3)(q_1C\ell_2)$	C
duql_3313	$(d_3Cu_3)(q_1C\ell_3)$	C
duql_3321	$(d_3Cu_3)(q_2C\ell_1)$	C
duql_3322	$(d_3Cu_3)(q_2C\ell_2)$	C
duql_3323	$(d_3Cu_3)(q_2C\ell_3)$	C
duql_3331	$(d_3Cu_3)(q_3C\ell_1)$	C

WC name	Operator	Type
duql_3332	$(d_3Cu_3)(q_3Cl_2)$	C
duql_3333	$(d_3Cu_3)(q_3Cl_3)$	C
qque_1111	$(q_1Cq_1)(u_1Ce_1)$	C
qque_1112	$(q_1Cq_1)(u_1Ce_2)$	C
qque_1113	$(q_1Cq_1)(u_1Ce_3)$	C
qque_1121	$(q_1Cq_1)(u_2Ce_1)$	C
qque_1122	$(q_1Cq_1)(u_2Ce_2)$	C
qque_1123	$(q_1Cq_1)(u_2Ce_3)$	C
qque_1131	$(q_1Cq_1)(u_3Ce_1)$	C
qque_1132	$(q_1Cq_1)(u_3Ce_2)$	C
qque_1133	$(q_1Cq_1)(u_3Ce_3)$	C
qque_1211	$(q_1Cq_2)(u_1Ce_1)$	C
qque_1212	$(q_1Cq_2)(u_1Ce_2)$	C
qque_1213	$(q_1Cq_2)(u_1Ce_3)$	C
qque_1221	$(q_1Cq_2)(u_2Ce_1)$	C
qque_1222	$(q_1Cq_2)(u_2Ce_2)$	C
qque_1223	$(q_1Cq_2)(u_2Ce_3)$	C
qque_1231	$(q_1Cq_2)(u_3Ce_1)$	C
qque_1232	$(q_1Cq_2)(u_3Ce_2)$	C
qque_1233	$(q_1Cq_2)(u_3Ce_3)$	C
qque_1311	$(q_1Cq_3)(u_1Ce_1)$	C
qque_1312	$(q_1Cq_3)(u_1Ce_2)$	C
qque_1313	$(q_1Cq_3)(u_1Ce_3)$	C
qque_1321	$(q_1Cq_3)(u_2Ce_1)$	C
qque_1322	$(q_1Cq_3)(u_2Ce_2)$	C
qque_1323	$(q_1Cq_3)(u_2Ce_3)$	C
qque_1331	$(q_1Cq_3)(u_3Ce_1)$	C
qque_1332	$(q_1Cq_3)(u_3Ce_2)$	C
qque_1333	$(q_1Cq_3)(u_3Ce_3)$	C
qque_2211	$(q_2Cq_2)(u_1Ce_1)$	C
qque_2212	$(q_2Cq_2)(u_1Ce_2)$	C
qque_2213	$(q_2Cq_2)(u_1Ce_3)$	C
qque_2221	$(q_2Cq_2)(u_2Ce_1)$	C
qque_2222	$(q_2Cq_2)(u_2Ce_2)$	C
qque_2223	$(q_2Cq_2)(u_2Ce_3)$	C
qque_2231	$(q_2Cq_2)(u_3Ce_1)$	C
qque_2232	$(q_2Cq_2)(u_3Ce_2)$	C
qque_2233	$(q_2Cq_2)(u_3Ce_3)$	C
qque_2311	$(q_2Cq_3)(u_1Ce_1)$	C
qque_2312	$(q_2Cq_3)(u_1Ce_2)$	C
qque_2313	$(q_2Cq_3)(u_1Ce_3)$	C
qque_2321	$(q_2Cq_3)(u_2Ce_1)$	C
qque_2322	$(q_2Cq_3)(u_2Ce_2)$	C
qque_2323	$(q_2Cq_3)(u_2Ce_3)$	C

WC name	Operator	Type
qque_2331	$(q_2 C q_3) (u_3 C e_1)$	C
qque_2332	$(q_2 C q_3) (u_3 C e_2)$	C
qque_2333	$(q_2 C q_3) (u_3 C e_3)$	C
qque_3311	$(q_3 C q_3) (u_1 C e_1)$	C
qque_3312	$(q_3 C q_3) (u_1 C e_2)$	C
qque_3313	$(q_3 C q_3) (u_1 C e_3)$	C
qque_3321	$(q_3 C q_3) (u_2 C e_1)$	C
qque_3322	$(q_3 C q_3) (u_2 C e_2)$	C
qque_3323	$(q_3 C q_3) (u_2 C e_3)$	C
qque_3331	$(q_3 C q_3) (u_3 C e_1)$	C
qque_3332	$(q_3 C q_3) (u_3 C e_2)$	C
qque_3333	$(q_3 C q_3) (u_3 C e_3)$	C
qqql_1111	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_1 C l_1)$	C
qqql_1112	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_1 C l_2)$	C
qqql_1113	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_1 C l_3)$	C
qqql_1121	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_2 C l_1)$	C
qqql_1122	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_2 C l_2)$	C
qqql_1123	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_2 C l_3)$	C
qqql_1131	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_3 C l_1)$	C
qqql_1132	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_3 C l_2)$	C
qqql_1133	$\epsilon_{il} \epsilon_{jk} (q_1 C q_1) (q_3 C l_3)$	C
qqql_1211	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_1 C l_1)$	C
qqql_1212	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_1 C l_2)$	C
qqql_1213	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_1 C l_3)$	C
qqql_1221	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_2 C l_1)$	C
qqql_1222	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_2 C l_2)$	C
qqql_1223	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_2 C l_3)$	C
qqql_1231	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_3 C l_1)$	C
qqql_1232	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_3 C l_2)$	C
qqql_1233	$\epsilon_{il} \epsilon_{jk} (q_1 C q_2) (q_3 C l_3)$	C
qqql_1311	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_1 C l_1)$	C
qqql_1312	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_1 C l_2)$	C
qqql_1313	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_1 C l_3)$	C
qqql_1321	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_2 C l_1)$	C
qqql_1322	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_2 C l_2)$	C
qqql_1323	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_2 C l_3)$	C
qqql_1331	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_3 C l_1)$	C
qqql_1332	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_3 C l_2)$	C
qqql_1333	$\epsilon_{il} \epsilon_{jk} (q_1 C q_3) (q_3 C l_3)$	C
qqql_2121	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_2 C l_1)$	C
qqql_2122	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_2 C l_2)$	C
qqql_2123	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_2 C l_3)$	C
qqql_2131	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_3 C l_1)$	C
qqql_2132	$\epsilon_{il} \epsilon_{jk} (q_2 C q_1) (q_3 C l_2)$	C

WC name	Operator	Type
qqql_2133	$\epsilon_{il}\epsilon_{jk} (q_2 C q_1) (q_3 C \ell_3)$	C
qqql_2221	$\epsilon_{il}\epsilon_{jk} (q_2 C q_2) (q_2 C \ell_1)$	C
qqql_2222	$\epsilon_{il}\epsilon_{jk} (q_2 C q_2) (q_2 C \ell_2)$	C
qqql_2223	$\epsilon_{il}\epsilon_{jk} (q_2 C q_2) (q_2 C \ell_3)$	C
qqql_2231	$\epsilon_{il}\epsilon_{jk} (q_2 C q_2) (q_3 C \ell_1)$	C
qqql_2232	$\epsilon_{il}\epsilon_{jk} (q_2 C q_2) (q_3 C \ell_2)$	C
qqql_2233	$\epsilon_{il}\epsilon_{jk} (q_2 C q_2) (q_3 C \ell_3)$	C
qqql_2311	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_1 C \ell_1)$	C
qqql_2312	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_1 C \ell_2)$	C
qqql_2313	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_1 C \ell_3)$	C
qqql_2321	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_2 C \ell_1)$	C
qqql_2322	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_2 C \ell_2)$	C
qqql_2323	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_2 C \ell_3)$	C
qqql_2331	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_3 C \ell_1)$	C
qqql_2332	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_3 C \ell_2)$	C
qqql_2333	$\epsilon_{il}\epsilon_{jk} (q_2 C q_3) (q_3 C \ell_3)$	C
qqql_3131	$\epsilon_{il}\epsilon_{jk} (q_3 C q_1) (q_3 C \ell_1)$	C
qqql_3132	$\epsilon_{il}\epsilon_{jk} (q_3 C q_1) (q_3 C \ell_2)$	C
qqql_3133	$\epsilon_{il}\epsilon_{jk} (q_3 C q_1) (q_3 C \ell_3)$	C
qqql_3231	$\epsilon_{il}\epsilon_{jk} (q_3 C q_2) (q_3 C \ell_1)$	C
qqql_3232	$\epsilon_{il}\epsilon_{jk} (q_3 C q_2) (q_3 C \ell_2)$	C
qqql_3233	$\epsilon_{il}\epsilon_{jk} (q_3 C q_2) (q_3 C \ell_3)$	C
qqql_3331	$\epsilon_{il}\epsilon_{jk} (q_3 C q_3) (q_3 C \ell_1)$	C
qqql_3332	$\epsilon_{il}\epsilon_{jk} (q_3 C q_3) (q_3 C \ell_2)$	C
qqql_3333	$\epsilon_{il}\epsilon_{jk} (q_3 C q_3) (q_3 C \ell_3)$	C
duue_1111	$(d_1 C u_1) (u_1 C e_1)$	C
duue_1112	$(d_1 C u_1) (u_1 C e_2)$	C
duue_1113	$(d_1 C u_1) (u_1 C e_3)$	C
duue_1121	$(d_1 C u_1) (u_2 C e_1)$	C
duue_1122	$(d_1 C u_1) (u_2 C e_2)$	C
duue_1123	$(d_1 C u_1) (u_2 C e_3)$	C
duue_1131	$(d_1 C u_1) (u_3 C e_1)$	C
duue_1132	$(d_1 C u_1) (u_3 C e_2)$	C
duue_1133	$(d_1 C u_1) (u_3 C e_3)$	C
duue_1211	$(d_1 C u_2) (u_1 C e_1)$	C
duue_1212	$(d_1 C u_2) (u_1 C e_2)$	C
duue_1213	$(d_1 C u_2) (u_1 C e_3)$	C
duue_1221	$(d_1 C u_2) (u_2 C e_1)$	C
duue_1222	$(d_1 C u_2) (u_2 C e_2)$	C
duue_1223	$(d_1 C u_2) (u_2 C e_3)$	C
duue_1231	$(d_1 C u_2) (u_3 C e_1)$	C
duue_1232	$(d_1 C u_2) (u_3 C e_2)$	C
duue_1233	$(d_1 C u_2) (u_3 C e_3)$	C
duue_1311	$(d_1 C u_3) (u_1 C e_1)$	C

WC name	Operator	Type
duue_1312	$(d_1Cu_3)(u_1Ce_2)$	C
duue_1313	$(d_1Cu_3)(u_1Ce_3)$	C
duue_1321	$(d_1Cu_3)(u_2Ce_1)$	C
duue_1322	$(d_1Cu_3)(u_2Ce_2)$	C
duue_1323	$(d_1Cu_3)(u_2Ce_3)$	C
duue_1331	$(d_1Cu_3)(u_3Ce_1)$	C
duue_1332	$(d_1Cu_3)(u_3Ce_2)$	C
duue_1333	$(d_1Cu_3)(u_3Ce_3)$	C
duue_2111	$(d_2Cu_1)(u_1Ce_1)$	C
duue_2112	$(d_2Cu_1)(u_1Ce_2)$	C
duue_2113	$(d_2Cu_1)(u_1Ce_3)$	C
duue_2121	$(d_2Cu_1)(u_2Ce_1)$	C
duue_2122	$(d_2Cu_1)(u_2Ce_2)$	C
duue_2123	$(d_2Cu_1)(u_2Ce_3)$	C
duue_2131	$(d_2Cu_1)(u_3Ce_1)$	C
duue_2132	$(d_2Cu_1)(u_3Ce_2)$	C
duue_2133	$(d_2Cu_1)(u_3Ce_3)$	C
duue_2211	$(d_2Cu_2)(u_1Ce_1)$	C
duue_2212	$(d_2Cu_2)(u_1Ce_2)$	C
duue_2213	$(d_2Cu_2)(u_1Ce_3)$	C
duue_2221	$(d_2Cu_2)(u_2Ce_1)$	C
duue_2222	$(d_2Cu_2)(u_2Ce_2)$	C
duue_2223	$(d_2Cu_2)(u_2Ce_3)$	C
duue_2231	$(d_2Cu_2)(u_3Ce_1)$	C
duue_2232	$(d_2Cu_2)(u_3Ce_2)$	C
duue_2233	$(d_2Cu_2)(u_3Ce_3)$	C
duue_2311	$(d_2Cu_3)(u_1Ce_1)$	C
duue_2312	$(d_2Cu_3)(u_1Ce_2)$	C
duue_2313	$(d_2Cu_3)(u_1Ce_3)$	C
duue_2321	$(d_2Cu_3)(u_2Ce_1)$	C
duue_2322	$(d_2Cu_3)(u_2Ce_2)$	C
duue_2323	$(d_2Cu_3)(u_2Ce_3)$	C
duue_2331	$(d_2Cu_3)(u_3Ce_1)$	C
duue_2332	$(d_2Cu_3)(u_3Ce_2)$	C
duue_2333	$(d_2Cu_3)(u_3Ce_3)$	C
duue_3111	$(d_3Cu_1)(u_1Ce_1)$	C
duue_3112	$(d_3Cu_1)(u_1Ce_2)$	C
duue_3113	$(d_3Cu_1)(u_1Ce_3)$	C
duue_3121	$(d_3Cu_1)(u_2Ce_1)$	C
duue_3122	$(d_3Cu_1)(u_2Ce_2)$	C
duue_3123	$(d_3Cu_1)(u_2Ce_3)$	C
duue_3131	$(d_3Cu_1)(u_3Ce_1)$	C
duue_3132	$(d_3Cu_1)(u_3Ce_2)$	C
duue_3133	$(d_3Cu_1)(u_3Ce_3)$	C

WC name	Operator	Type
duue_3211	$(d_3 C u_2) (u_1 C e_1)$	C
duue_3212	$(d_3 C u_2) (u_1 C e_2)$	C
duue_3213	$(d_3 C u_2) (u_1 C e_3)$	C
duue_3221	$(d_3 C u_2) (u_2 C e_1)$	C
duue_3222	$(d_3 C u_2) (u_2 C e_2)$	C
duue_3223	$(d_3 C u_2) (u_2 C e_3)$	C
duue_3231	$(d_3 C u_2) (u_3 C e_1)$	C
duue_3232	$(d_3 C u_2) (u_3 C e_2)$	C
duue_3233	$(d_3 C u_2) (u_3 C e_3)$	C
duue_3311	$(d_3 C u_3) (u_1 C e_1)$	C
duue_3312	$(d_3 C u_3) (u_1 C e_2)$	C
duue_3313	$(d_3 C u_3) (u_1 C e_3)$	C
duue_3321	$(d_3 C u_3) (u_2 C e_1)$	C
duue_3322	$(d_3 C u_3) (u_2 C e_2)$	C
duue_3323	$(d_3 C u_3) (u_2 C e_3)$	C
duue_3331	$(d_3 C u_3) (u_3 C e_1)$	C
duue_3332	$(d_3 C u_3) (u_3 C e_2)$	C
duue_3333	$(d_3 C u_3) (u_3 C e_3)$	C

dL=2

WC name	Operator	Type
llphiphi_11	$(\tilde{\varphi}^\dagger l_1)^T C (\tilde{\varphi}^\dagger l_1)$	C
llphiphi_22	$(\tilde{\varphi}^\dagger l_2)^T C (\tilde{\varphi}^\dagger l_2)$	C
llphiphi_33	$(\tilde{\varphi}^\dagger l_3)^T C (\tilde{\varphi}^\dagger l_3)$	C



## Basis AFGV (EFT WET)

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

### Sectors

#### sbsb

WC name	Operator	Type
1sbsb	$4G_F/\sqrt{2}(\bar{s}\gamma_\mu P_L b)(\bar{s}\gamma^\mu P_L b)$	C
5sbsb	$4G_F/\sqrt{2}(\bar{s}_\alpha P_L b_\beta)(\bar{s}_\beta P_R b_\alpha)$	C
2sbsb	$4G_F/\sqrt{2}(\bar{s}P_L b)(\bar{s}P_L b)$	C
1psbsb	$4G_F/\sqrt{2}(\bar{s}\gamma_\mu P_R b)(\bar{s}\gamma^\mu P_R b)$	C
3sbsb	$4G_F/\sqrt{2}(\bar{s}_\alpha P_L b_\beta)(\bar{s}_\beta P_L b_\alpha)$	C
2psbsb	$4G_F/\sqrt{2}(\bar{s}P_R b)(\bar{s}P_R b)$	C
4sbsb	$4G_F/\sqrt{2}(\bar{s}P_L b)(\bar{s}P_R b)$	C
3psbsb	$4G_F/\sqrt{2}(\bar{s}_\alpha P_R b_\beta)(\bar{s}_\beta P_R b_\alpha)$	C

#### dbdb

WC name	Operator	Type
1dbdb	$4G_F/\sqrt{2}(\bar{d}\gamma_\mu P_L b)(\bar{d}\gamma^\mu P_L b)$	C
5dbdb	$4G_F/\sqrt{2}(\bar{d}_\alpha P_L b_\beta)(\bar{d}_\beta P_R b_\alpha)$	C
2dbdb	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{d}P_L b)$	C
1pdbdb	$4G_F/\sqrt{2}(\bar{d}\gamma_\mu P_R b)(\bar{d}\gamma^\mu P_R b)$	C
3dbdb	$4G_F/\sqrt{2}(\bar{d}_\alpha P_L b_\beta)(\bar{d}_\beta P_L b_\alpha)$	C
2pdbdb	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{d}P_R b)$	C
4dbdb	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{d}P_R b)$	C
3pdbdb	$4G_F/\sqrt{2}(\bar{d}_\alpha P_R b_\beta)(\bar{d}_\beta P_R b_\alpha)$	C

#### ubenu

WC name	Operator	Type
1ubee	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_e)$	C
5ubee	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{e}\nu_e)$	C
1pubee	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{e}\gamma_\mu\nu_e)$	C
5pubee	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{e}\nu_e)$	C
7pubee	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_e)$	C

WC name	Operator	Type
1ubemu	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\mu)$	C
5ubemu	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{e}\nu_\mu)$	C
1pubemu	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\mu)$	C
5pubemu	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{e}\nu_\mu)$	C
7pubemu	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_\mu)$	C
1ubetau	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\tau)$	C
5ubetau	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{e}\nu_\tau)$	C
1pubetau	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\tau)$	C
5pubetau	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{e}\nu_\tau)$	C
7pubetau	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_\tau)$	C

#### ubmunu

WC name	Operator	Type
1ubmue	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_e)$	C
5ubmue	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{\mu}\nu_e)$	C
1pubmue	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_e)$	C
5pubmue	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{\mu}\nu_e)$	C
7pubmue	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	C
1ubmumu	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\mu)$	C
5ubmumu	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{\mu}\nu_\mu)$	C
1pubmumu	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\mu)$	C
5pubmumu	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{\mu}\nu_\mu)$	C
7pubmumu	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_\mu)$	C
1ubmutau	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\tau)$	C
5ubmutau	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{\mu}\nu_\tau)$	C
1pubmutau	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\tau)$	C
5pubmutau	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{\mu}\nu_\tau)$	C
7pubmutau	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	C

#### ubtaunu

WC name	Operator	Type
1ubtaue	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_e)$	C
5ubtaue	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{\tau}\nu_e)$	C
1pubtaue	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_e)$	C
5pubtaue	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{\tau}\nu_e)$	C
7pubtaue	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	C
1ubtaumu	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\mu)$	C

WC name	Operator	Type
5subtaumu	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{\tau}\nu_\mu)$	C
1pubtaumu	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\mu)$	C
5pubtaumu	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{\tau}\nu_\mu)$	C
7pubtaumu	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_\mu)$	C
1ubtautau	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\tau)$	C
5subtautau	$4G_F/\sqrt{2}(\bar{u}P_R b)(\bar{\tau}\nu_\tau)$	C
1pubtautau	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\tau)$	C
5pubtautau	$4G_F/\sqrt{2}(\bar{u}P_L b)(\bar{\tau}\nu_\tau)$	C
7pubtautau	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_\tau)$	C

#### cbenu

WC name	Operator	Type
1cbee	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_e)$	C
5cbee	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{e}\nu_e)$	C
1pcbee	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{e}\gamma_\mu\nu_e)$	C
5pcbee	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{e}\nu_e)$	C
7pcbee	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_e)$	C
1cbemu	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\mu)$	C
5cbemu	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{e}\nu_\mu)$	C
1pcbemu	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\mu)$	C
5pcbemu	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{e}\nu_\mu)$	C
7pcbemu	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_\mu)$	C
1cbetau	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\tau)$	C
5cbetau	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{e}\nu_\tau)$	C
1pcbetau	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\tau)$	C
5pcbetau	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{e}\nu_\tau)$	C
7pcbetau	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_\tau)$	C

#### cbmumu

WC name	Operator	Type
1cbmue	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_e)$	C
5cbmue	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{\mu}\nu_e)$	C
1pcbmuue	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_e)$	C
5pcbmuue	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{\mu}\nu_e)$	C
7pcbmuue	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	C
1cbmumu	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\mu)$	C
5cbmumu	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{\mu}\nu_\mu)$	C

WC name	Operator	Type
1pcbmumu	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\mu)$	C
5pcbmumu	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{\mu}\nu_\mu)$	C
7pcbmumu	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_\mu)$	C
1cbmutau	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\tau)$	C
5cbmutau	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{\mu}\nu_\tau)$	C
1pcbmutau	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\tau)$	C
5pcbmutau	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{\mu}\nu_\tau)$	C
7pcbmutau	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_\tau)$	C

#### cbtaunu

WC name	Operator	Type
1cbtaue	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_e)$	C
5cbtaue	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{\tau}\nu_e)$	C
1pcbtaue	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_e)$	C
5pcbtaue	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{\tau}\nu_e)$	C
7pcbtaue	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	C
1cbtaumu	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\mu)$	C
5cbtaumu	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{\tau}\nu_\mu)$	C
1pcbtaumu	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\mu)$	C
5pcbtaumu	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{\tau}\nu_\mu)$	C
7pcbtaumu	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_\mu)$	C
1cbtautau	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\tau)$	C
5cbtautau	$4G_F/\sqrt{2}(\bar{c}P_R b)(\bar{\tau}\nu_\tau)$	C
1pcbtautau	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\tau)$	C
5pcbtautau	$4G_F/\sqrt{2}(\bar{c}P_L b)(\bar{\tau}\nu_\tau)$	C
7pcbtautau	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_\tau)$	C

#### sbuc

WC name	Operator	Type
1sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{u}\gamma^\mu c)$	C
2sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A c)$	C
3sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho} b)(\bar{u}\gamma^{\mu\nu\rho} c)$	C
4sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho} T^A b)(\bar{u}\gamma^{\mu\nu\rho} T^A c)$	C
5sbuc	$4G_F/\sqrt{2}(\bar{s}P_R b)(\bar{u}c)$	C
6sbuc	$4G_F/\sqrt{2}(\bar{s}P_R T^A b)(\bar{u}T^A c)$	C
7sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu} b)(\bar{u}\sigma_{\mu\nu} c)$	C
8sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu} T^A b)(\bar{u}\sigma_{\mu\nu} T^A c)$	C

WC name	Operator	Type
9sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	C
10sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	C
1psbuc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{u}\gamma^\mu c)$	C
2psbuc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{u}\gamma^\mu T^Ac)$	C
3psbuc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}c)$	C
4psbuc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	C
5psbuc	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{u}c)$	C
6psbuc	$4G_F/\sqrt{2}(\bar{s}P_LT^Ab)(\bar{u}T^Ac)$	C
7psbuc	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}c)$	C
8psbuc	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Ac)$	C
9psbuc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}c)$	C
10psbuc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Ac)$	C

**sbcu**

WC name	Operator	Type
1sbcu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{c}\gamma^\mu u)$	C
2sbcu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Au)$	C
3sbcu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)$	C
4sbcu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	C
5sbcu	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{c}u)$	C
6sbcu	$4G_F/\sqrt{2}(\bar{s}P_RT^Ab)(\bar{c}T^Au)$	C
7sbcu	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}u)$	C
8sbcu	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Au)$	C
9sbcu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	C
10sbcu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	C
1psbcu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{c}\gamma^\mu u)$	C
2psbcu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Au)$	C
3psbcu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}u)$	C
4psbcu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Au)$	C
5psbcu	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{c}u)$	C
6psbcu	$4G_F/\sqrt{2}(\bar{s}P_LT^Ab)(\bar{c}T^Au)$	C
7psbcu	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}u)$	C
8psbcu	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Au)$	C
9psbcu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	C
10psbcu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	C

**dbuc**

WC name	Operator	Type
1dbuc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{u}\gamma^\mu c)$	C
2dbuc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A c)$	C
3dbuc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho} b)(\bar{u}\gamma^{\mu\nu\rho} c)$	C
4dbuc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho} T^A b)(\bar{u}\gamma^{\mu\nu\rho} T^A c)$	C
5dbuc	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{u}c)$	C
6dbuc	$4G_F/\sqrt{2}(\bar{d}P_R T^A b)(\bar{u}T^A c)$	C
7dbuc	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu} b)(\bar{u}\sigma_{\mu\nu} c)$	C
8dbuc	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu} T^A b)(\bar{u}\sigma_{\mu\nu} T^A c)$	C
9dbuc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma} b)(\bar{u}\gamma^{\mu\nu\rho\sigma} c)$	C
10dbuc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma} T^A b)(\bar{u}\gamma^{\mu\nu\rho\sigma} T^A c)$	C
1pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{u}\gamma^\mu c)$	C
2pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A c)$	C
3pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho} b)(\bar{u}\gamma^{\mu\nu\rho} c)$	C
4pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho} T^A b)(\bar{u}\gamma^{\mu\nu\rho} T^A c)$	C
5pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{u}c)$	C
6pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L T^A b)(\bar{u}T^A c)$	C
7pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu} b)(\bar{u}\sigma_{\mu\nu} c)$	C
8pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu} T^A b)(\bar{u}\sigma_{\mu\nu} T^A c)$	C
9pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma} b)(\bar{u}\gamma^{\mu\nu\rho\sigma} c)$	C
10pdbuc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma} T^A b)(\bar{u}\gamma^{\mu\nu\rho\sigma} T^A c)$	C

dbcu

WC name	Operator	Type
1dbcu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{c}\gamma^\mu u)$	C
2dbcu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A u)$	C
3dbcu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho} b)(\bar{c}\gamma^{\mu\nu\rho} u)$	C
4dbcu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho} T^A b)(\bar{c}\gamma^{\mu\nu\rho} T^A u)$	C
5dbcu	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{c}u)$	C
6dbcu	$4G_F/\sqrt{2}(\bar{d}P_R T^A b)(\bar{c}T^A u)$	C
7dbcu	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu} b)(\bar{c}\sigma_{\mu\nu} u)$	C
8dbcu	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu} T^A b)(\bar{c}\sigma_{\mu\nu} T^A u)$	C
9dbcu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma} b)(\bar{c}\gamma^{\mu\nu\rho\sigma} u)$	C
10dbcu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma} T^A b)(\bar{c}\gamma^{\mu\nu\rho\sigma} T^A u)$	C
1pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{c}\gamma^\mu u)$	C
2pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A u)$	C
3pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho} b)(\bar{c}\gamma^{\mu\nu\rho} u)$	C
4pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho} T^A b)(\bar{c}\gamma^{\mu\nu\rho} T^A u)$	C
5pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{c}u)$	C
6pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L T^A b)(\bar{c}T^A u)$	C
7pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu} b)(\bar{c}\sigma_{\mu\nu} u)$	C

WC name	Operator	Type
8pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Au)$	C
9pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}u)$	C
10pdbcu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Au)$	C

#### sbsd

WC name	Operator	Type
1sbsd	$4G_F/\sqrt{2}(\bar{s}\gamma_\mu P_L b)(\bar{s}\gamma^\mu d)$	C
1psbsd	$4G_F/\sqrt{2}(\bar{s}\gamma_\mu P_R b)(\bar{s}\gamma^\mu d)$	C
3sbsd	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho}P_L b)(\bar{s}\gamma^{\mu\nu\rho}d)$	C
3psbsd	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho}P_R b)(\bar{s}\gamma^{\mu\nu\rho}d)$	C
5sbsd	$4G_F/\sqrt{2}(\bar{s}P_L b)(\bar{s}d)$	C
5psbsd	$4G_F/\sqrt{2}(\bar{s}P_R b)(\bar{s}d)$	C
7sbsd	$4G_F/\sqrt{2}(\bar{s}\sigma^{\mu\nu}P_L b)(\bar{s}\sigma_{\mu\nu}d)$	C
7psbsd	$4G_F/\sqrt{2}(\bar{s}\sigma^{\mu\nu}P_R b)(\bar{s}\sigma_{\mu\nu}d)$	C
9sbsd	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_L b)(\bar{s}\gamma^{\mu\nu\rho\sigma}d)$	C
9psbsd	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_R b)(\bar{s}\gamma^{\mu\nu\rho\sigma}d)$	C

#### dbds

WC name	Operator	Type
1dbds	$4G_F/\sqrt{2}(\bar{d}\gamma_\mu P_L b)(\bar{d}\gamma^\mu s)$	C
1pdbds	$4G_F/\sqrt{2}(\bar{d}\gamma_\mu P_R b)(\bar{d}\gamma^\mu s)$	C
3dbds	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu\nu\rho}P_L b)(\bar{d}\gamma^{\mu\nu\rho}s)$	C
3pdbds	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu\nu\rho}P_R b)(\bar{d}\gamma^{\mu\nu\rho}s)$	C
5dbds	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{d}s)$	C
5pdbds	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{d}s)$	C
7dbds	$4G_F/\sqrt{2}(\bar{d}\sigma^{\mu\nu}P_L b)(\bar{d}\sigma_{\mu\nu}s)$	C
7pdbds	$4G_F/\sqrt{2}(\bar{d}\sigma^{\mu\nu}P_R b)(\bar{d}\sigma_{\mu\nu}s)$	C
9dbds	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_L b)(\bar{d}\gamma^{\mu\nu\rho\sigma}s)$	C
9pdbds	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_R b)(\bar{d}\gamma^{\mu\nu\rho\sigma}s)$	C

#### sb

WC name	Operator	Type
7gammas	$4G_F/\sqrt{2}\frac{e}{g_s^2}m_b(\bar{s}P_R\sigma_{\mu\nu}b)F^{\mu\nu}$	C
8gs	$4G_F/\sqrt{2}\frac{1}{g_s}m_b(\bar{s}P_R\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	C

WC name	Operator	Type
7pgammas	$4G_F/\sqrt{2}\frac{e}{g_s^2}m_b(\bar{s}P_L\sigma_{\mu\nu}b)F^{\mu\nu}$	C
8pgs	$4G_F/\sqrt{2}\frac{1}{g_s}m_b(\bar{s}P_L\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	C
1sbuu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{u}\gamma^\mu u)$	C
2sbuu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu T^Ab)(\bar{u}\gamma^\mu T^A u)$	C
3sbuu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	C
4sbuu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^A u)$	C
5sbuu	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{u}u)$	C
6sbuu	$4G_F/\sqrt{2}(\bar{s}P_RT^Ab)(\bar{u}T^A u)$	C
7sbuu	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	C
8sbuu	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^A u)$	C
9sbuu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	C
10sbuu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^A u)$	C
1psbuu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{u}\gamma^\mu u)$	C
2psbuu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{u}\gamma^\mu T^A u)$	C
3psbuu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	C
4psbuu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^A u)$	C
5psbuu	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{u}u)$	C
6psbuu	$4G_F/\sqrt{2}(\bar{s}P_LT^Ab)(\bar{u}T^A u)$	C
7psbuu	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	C
8psbuu	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^A u)$	C
9psbuu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	C
10psbuu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^A u)$	C
1sbdd	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{d}\gamma^\mu d)$	C
2sbdd	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu T^Ab)(\bar{d}\gamma^\mu T^A d)$	C
3sbdd	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d)$	C
4sbdd	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^A d)$	C
5sbdd	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{d}d)$	C
6sbdd	$4G_F/\sqrt{2}(\bar{s}P_RT^Ab)(\bar{d}T^A d)$	C
7sbdd	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d)$	C
8sbdd	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^A d)$	C
9sbdd	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	C
10sbdd	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^A d)$	C
1psbdd	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{d}\gamma^\mu d)$	C
2psbdd	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{d}\gamma^\mu T^A d)$	C
3psbdd	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d)$	C
4psbdd	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^A d)$	C
5psbdd	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{d}d)$	C
6psbdd	$4G_F/\sqrt{2}(\bar{s}P_LT^Ab)(\bar{d}T^A d)$	C
7psbdd	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d)$	C
8psbdd	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^A d)$	C
9psbdd	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	C
10psbdd	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^A d)$	C



WC name	Operator	Type
1sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{c}\gamma^\mu c)$	C
2sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)$	C
3sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho} b)(\bar{c}\gamma^{\mu\nu\rho} c)$	C
4sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho} T^A b)(\bar{c}\gamma^{\mu\nu\rho} T^A c)$	C
5sbcc	$4G_F/\sqrt{2}(\bar{s}P_R b)(\bar{c}c)$	C
6sbcc	$4G_F/\sqrt{2}(\bar{s}P_R T^A b)(\bar{c}T^A c)$	C
7sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu} b)(\bar{c}\sigma_{\mu\nu} c)$	C
8sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu} T^A b)(\bar{c}\sigma_{\mu\nu} T^A c)$	C
9sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma} b)(\bar{c}\gamma^{\mu\nu\rho\sigma} c)$	C
10sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma} T^A b)(\bar{c}\gamma^{\mu\nu\rho\sigma} T^A c)$	C
1psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{c}\gamma^\mu c)$	C
2psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)$	C
3psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho} b)(\bar{c}\gamma^{\mu\nu\rho} c)$	C
4psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho} T^A b)(\bar{c}\gamma^{\mu\nu\rho} T^A c)$	C
5psbcc	$4G_F/\sqrt{2}(\bar{s}P_L b)(\bar{c}c)$	C
6psbcc	$4G_F/\sqrt{2}(\bar{s}P_L T^A b)(\bar{c}T^A c)$	C
7psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu} b)(\bar{c}\sigma_{\mu\nu} c)$	C
8psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu} T^A b)(\bar{c}\sigma_{\mu\nu} T^A c)$	C
9psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma} b)(\bar{c}\gamma^{\mu\nu\rho\sigma} c)$	C
10psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma} T^A b)(\bar{c}\gamma^{\mu\nu\rho\sigma} T^A c)$	C
1sbbb	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{b}\gamma^\mu b)$	C
3sbbb	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho} b)(\bar{b}\gamma^{\mu\nu\rho} b)$	C
5sbbb	$4G_F/\sqrt{2}(\bar{s}P_R b)(\bar{b}b)$	C
7sbbb	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu} b)(\bar{b}\sigma_{\mu\nu} b)$	C
9sbbb	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma} b)(\bar{b}\gamma^{\mu\nu\rho\sigma} b)$	C
1psbbb	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{b}\gamma^\mu b)$	C
3psbbb	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho} b)(\bar{b}\gamma^{\mu\nu\rho} b)$	C
5psbbb	$4G_F/\sqrt{2}(\bar{s}P_L b)(\bar{b}b)$	C
7psbbb	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu} b)(\bar{b}\sigma_{\mu\nu} b)$	C
9psbbb	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma} b)(\bar{b}\gamma^{\mu\nu\rho\sigma} b)$	C
1sbss	$4G_F/\sqrt{2}(\bar{s}\gamma_\mu P_L b)(\bar{s}\gamma^\mu s)$	C
1psbss	$4G_F/\sqrt{2}(\bar{s}\gamma_\mu P_R b)(\bar{s}\gamma^\mu s)$	C
3sbss	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho} P_L b)(\bar{s}\gamma^{\mu\nu\rho} s)$	C
3psbss	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho} P_R b)(\bar{s}\gamma^{\mu\nu\rho} s)$	C
5sbss	$4G_F/\sqrt{2}(\bar{s}P_L b)(\bar{s}s)$	C
5psbss	$4G_F/\sqrt{2}(\bar{s}P_R b)(\bar{s}s)$	C
7sbss	$4G_F/\sqrt{2}(\bar{s}\sigma^{\mu\nu} P_L b)(\bar{s}\sigma_{\mu\nu} s)$	C
7psbss	$4G_F/\sqrt{2}(\bar{s}\sigma^{\mu\nu} P_R b)(\bar{s}\sigma_{\mu\nu} s)$	C
9sbss	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho\sigma} P_L b)(\bar{s}\gamma^{\mu\nu\rho\sigma} s)$	C
9psbss	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho\sigma} P_R b)(\bar{s}\gamma^{\mu\nu\rho\sigma} s)$	C
1sbee	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e)$	C
1psbee	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e)$	C

WC name	Operator	Type
3sbee	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$	C
3psbee	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$	C
5sbee	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{e}e)$	C
5psbee	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{e}e)$	C
7sbee	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	C
7psbee	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	C
9sbee	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	C
9psbee	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	C
1sbmumu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	C
1psbmumu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	C
3sbmumu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	C
3psbmumu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	C
5sbmumu	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{\mu}\mu)$	C
5psbmumu	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{\mu}\mu)$	C
7sbmumu	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	C
7psbmumu	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	C
9sbmumu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	C
9psbmumu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	C
1sbtautau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\tau)$	C
1psbtautau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\tau)$	C
3sbtautau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	C
3psbtautau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	C
5sbtautau	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{\tau}\tau)$	C
5psbtautau	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{\tau}\tau)$	C
7sbtautau	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	C
7psbtautau	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	C
9sbtautau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	C
9psbtautau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	C

db

WC name	Operator	Type
7gammad	$4G_F/\sqrt{2}\frac{e}{g_s^2}m_b(\bar{d}P_R\sigma_{\mu\nu}b)F^{\mu\nu}$	C
8gd	$4G_F/\sqrt{2}\frac{1}{g_s}m_b(\bar{d}P_R\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	C
7pgammad	$4G_F/\sqrt{2}\frac{e}{g_s^2}m_b(\bar{d}P_L\sigma_{\mu\nu}b)F^{\mu\nu}$	C
8pgd	$4G_F/\sqrt{2}\frac{1}{g_s}m_b(\bar{d}P_L\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	C
1dbuu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{u}\gamma^\mu u)$	C
2dbuu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu T^Ab)(\bar{u}\gamma^\mu T^A u)$	C
3dbuu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	C
4dbuu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^A u)$	C

WC name	Operator	Type
5dbuu	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{u}u)$	C
6dbuu	$4G_F/\sqrt{2}(\bar{d}P_R T^A b)(\bar{u}T^A u)$	C
7dbuu	$4G_F/\sqrt{2}(\bar{d}P_R \sigma^{\mu\nu} b)(\bar{u}\sigma_{\mu\nu} u)$	C
8dbuu	$4G_F/\sqrt{2}(\bar{d}P_R \sigma^{\mu\nu} T^A b)(\bar{u}\sigma_{\mu\nu} T^A u)$	C
9dbuu	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_{\mu\nu\rho\sigma} b)(\bar{u}\gamma^{\mu\nu\rho\sigma} u)$	C
10dbuu	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_{\mu\nu\rho\sigma} T^A b)(\bar{u}\gamma^{\mu\nu\rho\sigma} T^A u)$	C
1pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_\mu b)(\bar{u}\gamma^\mu u)$	C
2pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_\mu T^A b)(\bar{u}\gamma^\mu T^A u)$	C
3pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_{\mu\nu\rho} b)(\bar{u}\gamma^{\mu\nu\rho} u)$	C
4pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_{\mu\nu\rho} T^A b)(\bar{u}\gamma^{\mu\nu\rho} T^A u)$	C
5pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{u}u)$	C
6pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L T^A b)(\bar{u}T^A u)$	C
7pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L \sigma^{\mu\nu} b)(\bar{u}\sigma_{\mu\nu} u)$	C
8pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L \sigma^{\mu\nu} T^A b)(\bar{u}\sigma_{\mu\nu} T^A u)$	C
9pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_{\mu\nu\rho\sigma} b)(\bar{u}\gamma^{\mu\nu\rho\sigma} u)$	C
10pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_{\mu\nu\rho\sigma} T^A b)(\bar{u}\gamma^{\mu\nu\rho\sigma} T^A u)$	C
1dbdd	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_\mu b)(\bar{d}\gamma^\mu d)$	C
2dbdd	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_\mu T^A b)(\bar{d}\gamma^\mu T^A d)$	C
3dbdd	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_{\mu\nu\rho} b)(\bar{d}\gamma^{\mu\nu\rho} d)$	C
4dbdd	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_{\mu\nu\rho} T^A b)(\bar{d}\gamma^{\mu\nu\rho} T^A d)$	C
5dbdd	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{d}d)$	C
6dbdd	$4G_F/\sqrt{2}(\bar{d}P_R T^A b)(\bar{d}T^A d)$	C
7dbdd	$4G_F/\sqrt{2}(\bar{d}P_R \sigma^{\mu\nu} b)(\bar{d}\sigma_{\mu\nu} d)$	C
8dbdd	$4G_F/\sqrt{2}(\bar{d}P_R \sigma^{\mu\nu} T^A b)(\bar{d}\sigma_{\mu\nu} T^A d)$	C
9dbdd	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_{\mu\nu\rho\sigma} b)(\bar{d}\gamma^{\mu\nu\rho\sigma} d)$	C
10dbdd	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_{\mu\nu\rho\sigma} T^A b)(\bar{d}\gamma^{\mu\nu\rho\sigma} T^A d)$	C
1pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_\mu b)(\bar{d}\gamma^\mu d)$	C
2pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_\mu T^A b)(\bar{d}\gamma^\mu T^A d)$	C
3pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_{\mu\nu\rho} b)(\bar{d}\gamma^{\mu\nu\rho} d)$	C
4pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_{\mu\nu\rho} T^A b)(\bar{d}\gamma^{\mu\nu\rho} T^A d)$	C
5pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{d}d)$	C
6pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L T^A b)(\bar{d}T^A d)$	C
7pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L \sigma^{\mu\nu} b)(\bar{d}\sigma_{\mu\nu} d)$	C
8pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L \sigma^{\mu\nu} T^A b)(\bar{d}\sigma_{\mu\nu} T^A d)$	C
9pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_{\mu\nu\rho\sigma} b)(\bar{d}\gamma^{\mu\nu\rho\sigma} d)$	C
10pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L \gamma_{\mu\nu\rho\sigma} T^A b)(\bar{d}\gamma^{\mu\nu\rho\sigma} T^A d)$	C
1dbcc	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_\mu b)(\bar{c}\gamma^\mu c)$	C
2dbcc	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_\mu T^A b)(\bar{c}\gamma^\mu T^A c)$	C
3dbcc	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_{\mu\nu\rho} b)(\bar{c}\gamma^{\mu\nu\rho} c)$	C
4dbcc	$4G_F/\sqrt{2}(\bar{d}P_R \gamma_{\mu\nu\rho} T^A b)(\bar{c}\gamma^{\mu\nu\rho} T^A c)$	C
5dbcc	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{c}c)$	C
6dbcc	$4G_F/\sqrt{2}(\bar{d}P_R T^A b)(\bar{c}T^A c)$	C

WC name	Operator	Type
7dbcc	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	C
8dbcc	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	C
9dbcc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	C
10dbcc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	C
1pdbcc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{c}\gamma^\mu c)$	C
2pdbcc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Ac)$	C
3pdbcc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	C
4pdbcc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	C
5pdbcc	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{c}c)$	C
6pdbcc	$4G_F/\sqrt{2}(\bar{d}P_LT^Ab)(\bar{c}T^Ac)$	C
7pdbcc	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	C
8pdbcc	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	C
9pdbcc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{c}\gamma^{\mu\nu\rho\sigma}c)$	C
10pdbcc	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	C
1dbbb	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{b}\gamma^\mu b)$	C
3dbbb	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b)$	C
5dbbb	$4G_F/\sqrt{2}(\bar{d}P_Rb)(\bar{b}b)$	C
7dbbb	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)$	C
9dbbb	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	C
1pdbbb	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{b}\gamma^\mu b)$	C
3pdbbb	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b)$	C
5pdbbb	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{b}b)$	C
7pdbbb	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)$	C
9pdbbb	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{b}\gamma^{\mu\nu\rho\sigma}b)$	C
1dbss	$4G_F/\sqrt{2}(\bar{d}\gamma_\mu P_Lb)(\bar{s}\gamma^\mu s)$	C
1pdbss	$4G_F/\sqrt{2}(\bar{d}\gamma_\mu P_Rb)(\bar{s}\gamma^\mu s)$	C
3dbss	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu\nu\rho}P_Lb)(\bar{s}\gamma^{\mu\nu\rho}s)$	C
3pdbss	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu\nu\rho}P_Rb)(\bar{s}\gamma^{\mu\nu\rho}s)$	C
5dbss	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{s}s)$	C
5pdbss	$4G_F/\sqrt{2}(\bar{d}P_Rb)(\bar{s}s)$	C
7dbss	$4G_F/\sqrt{2}(\bar{d}\sigma^{\mu\nu}P_Lb)(\bar{s}\sigma_{\mu\nu}s)$	C
7pdbss	$4G_F/\sqrt{2}(\bar{d}\sigma^{\mu\nu}P_Rb)(\bar{s}\sigma_{\mu\nu}s)$	C
9dbss	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	C
9pdbss	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	C
1dbee	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e)$	C
1pdbee	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu e)$	C
3dbee	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$	C
3pdbee	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}e)$	C
5dbee	$4G_F/\sqrt{2}(\bar{d}P_Rb)(\bar{e}e)$	C
5pdbee	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{e}e)$	C
7dbee	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	C
7pdbee	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}e)$	C

WC name	Operator	Type
9dbee	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	C
9pdbee	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}e)$	C
1dbmumu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	C
1pdbmumu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\mu)$	C
3dbmumu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	C
3pdbmumu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\mu)$	C
5dbmumu	$4G_F/\sqrt{2}(\bar{d}P_Rb)(\bar{\mu}\mu)$	C
5pdbmumu	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{\mu}\mu)$	C
7dbmumu	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	C
7pdbmumu	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	C
9dbmumu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	C
9pdbmumu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\mu)$	C
1dbtautau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\tau)$	C
1pdbtautau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\tau)$	C
3dbtautau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	C
3pdbtautau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\tau)$	C
5dbtautau	$4G_F/\sqrt{2}(\bar{d}P_Rb)(\bar{\tau}\tau)$	C
5pdbtautau	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{\tau}\tau)$	C
7dbtautau	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	C
7pdbtautau	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\tau)$	C
9dbtautau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	C
9pdbtautau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\tau)$	C

#### sbemu

WC name	Operator	Type
1sbemu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\mu)$	C
1psbemu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu\mu)$	C
3sbemu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	C
3psbemu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	C
5sbemu	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{e}\mu)$	C
5psbemu	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{e}\mu)$	C
7sbemu	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	C
7psbemu	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	C
9sbemu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	C
9psbemu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	C

#### sbetau

WC name	Operator	Type
1sbetau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\tau)$	C
1psbetau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{e}\gamma^\mu\tau)$	C
3sbetau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	C
3psbetau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	C
5sbetau	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{e}\tau)$	C
5psbetau	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{e}\tau)$	C
7sbetau	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	C
7psbetau	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	C
9sbetau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	C
9psbetau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	C

#### sbmue

WC name	Operator	Type
1sbmue	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	C
1psbmue	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	C
3sbmue	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	C
3psbmue	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	C
5sbmue	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{\mu}e)$	C
5psbmue	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{\mu}e)$	C
7sbmue	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	C
7psbmue	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	C
9sbmue	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	C
9psbmue	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	C

#### sbmutau

WC name	Operator	Type
1sbmutau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\tau)$	C
1psbmutau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\tau)$	C
3sbmutau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	C
3psbmutau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	C
5sbmutau	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{\mu}\tau)$	C
5psbmutau	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{\mu}\tau)$	C
7sbmutau	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	C
7psbmutau	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	C
9sbmutau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	C
9psbmutau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	C

**sbtaue**

WC name	Operator	Type
1sbtaue	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu e)$	C
1psbtaue	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu e)$	C
3sbtaue	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	C
3psbtaue	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	C
5sbtaue	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{\tau}e)$	C
5psbtaue	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{\tau}e)$	C
7sbtaue	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	C
7psbtaue	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	C
9sbtaue	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	C
9psbtaue	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	C

**sbtaumu**

WC name	Operator	Type
1sbtaumu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	C
1psbtaumu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	C
3sbtaumu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	C
3psbtaumu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	C
5sbtaumu	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{\tau}\mu)$	C
5psbtaumu	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{\tau}\mu)$	C
7sbtaumu	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	C
7psbtaumu	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	C
9sbtaumu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	C
9psbtaumu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	C

**dbemu**

WC name	Operator	Type
1dbemu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\mu)$	C
1pdbemu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu\mu)$	C
3dbemu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	C
3pdbemu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\mu)$	C
5dbemu	$4G_F/\sqrt{2}(\bar{d}P_Rb)(\bar{e}\mu)$	C
5pdbemu	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{e}\mu)$	C
7dbemu	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	C
7pdbemu	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\mu)$	C
9dbemu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	C

WC name	Operator	Type
9pdbemu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\mu)$	C

#### dbetau

WC name	Operator	Type
1dbetau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{e}\gamma^\mu\tau)$	C
1pdbetau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{e}\gamma^\mu\tau)$	C
3dbetau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	C
3pdbetau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{e}\gamma^{\mu\nu\rho}\tau)$	C
5dbetau	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{e}\tau)$	C
5pdbetau	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{e}\tau)$	C
7dbetau	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	C
7pdbetau	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\tau)$	C
9dbetau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	C
9pdbetau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{e}\gamma^{\mu\nu\rho\sigma}\tau)$	C

#### dbmue

WC name	Operator	Type
1dbmue	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	C
1pdbmue	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu e)$	C
3dbmue	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	C
3pdbmue	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}e)$	C
5dbmue	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{\mu}e)$	C
5pdbmue	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{\mu}e)$	C
7dbmue	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	C
7pdbmue	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}e)$	C
9dbmue	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	C
9pdbmue	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}e)$	C

#### dbmutau

WC name	Operator	Type
1dbmutau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\mu}\gamma^\mu\tau)$	C
1pdbmutau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\mu}\gamma^\mu\tau)$	C
3dbmutau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	C
3pdbmutau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\mu}\gamma^{\mu\nu\rho}\tau)$	C



WC name	Operator	Type
5dbmtau	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{\mu}\tau)$	C
5pdbmtau	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{\mu}\tau)$	C
7dbmtau	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	C
7pdbmtau	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	C
9dbmtau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	C
9pdbmtau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	C

#### dbtaue

WC name	Operator	Type
1dbtaue	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu e)$	C
1pdbtaue	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu e)$	C
3dbtaue	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	C
3pdbtaue	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}e)$	C
5dbtaue	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{\tau}e)$	C
5pdbtaue	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{\tau}e)$	C
7dbtaue	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	C
7pdbtaue	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}e)$	C
9dbtaue	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	C
9pdbtaue	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}e)$	C

#### dbtaumu

WC name	Operator	Type
1dbtaumu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	C
1pdbtaumu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\tau}\gamma^\mu\mu)$	C
3dbtaumu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	C
3pdbtaumu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{\tau}\gamma^{\mu\nu\rho}\mu)$	C
5dbtaumu	$4G_F/\sqrt{2}(\bar{d}P_R b)(\bar{\tau}\mu)$	C
5pdbtaumu	$4G_F/\sqrt{2}(\bar{d}P_L b)(\bar{\tau}\mu)$	C
7dbtaumu	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	C
7pdbtaumu	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\mu)$	C
9dbtaumu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	C
9pdbtaumu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\tau}\gamma^{\mu\nu\rho\sigma}\mu)$	C

#### sbnunu

WC name	Operator	Type
Lsbee	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
Rsbee	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
Lsbmumu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	C
Rsbmumu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	C
Lsbtautau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\tau)$	C
Rsbtautau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\tau)$	C
Lsbemu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	C
Rsbemu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	C
Lsbmue	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	C
Rsbmue	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	C
Lsbetau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\tau)$	C
Rsbetau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\tau)$	C
Lsbtaue	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	C
Rsbtaue	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	C
Lsbtaumu	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	C
Rsbtaumu	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	C
Lsbmutau	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\tau)$	C
Rsbmutau	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\tau)$	C

#### dbnnunu

WC name	Operator	Type
Ldbee	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
Rdbee	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_e)$	C
Ldbmumu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	C
Rdbmumu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\mu)$	C
Ldbtautau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\tau)$	C
Rdbtautau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\tau)$	C
Ldbemu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	C
Rdbemu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\mu)$	C
Ldbmue	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	C
Rdbmue	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_e)$	C
Ldbetau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\tau)$	C
Rdbetau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_e\gamma^\mu\nu_\tau)$	C
Ldbtaue	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	C
Rdbtaue	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_e)$	C
Ldbtaumu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	C
Rdbtaumu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_\tau\gamma^\mu\nu_\mu)$	C
Ldbmutau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\tau)$	C
Rdbmutau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{\nu}_\mu\gamma^\mu\nu_\tau)$	C

## Basis EOS (EFT WET)

### Sectors

sb

WC name	Operator	Type
b->s::c1	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu T^a c_L)(\bar{c}_L\gamma_\mu T^a b_L)$	C
b->s::c2	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu c_L)(\bar{c}_L\gamma_\mu b_L)$	C
b->s::c3	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu b_L)\sum_q(\bar{q}\gamma_\mu q)$	C
b->s::c4	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu T^a b_L)\sum_q(\bar{q}\gamma_\mu T^a q)$	C
b->s::c5	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}b_L)\sum_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}q)$	C
b->s::c6	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^a b_L)\sum_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}\mathbf{T}^a q)$	C
b->s::c7	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_L\sigma_{\mu\nu}b_R)F^{\mu\nu}$	C
b->s::c7'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_R\sigma_{\mu\nu}b_L)F^{\mu\nu}$	C
b->s::c8	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{g_s}{16\pi^2}m_b(\bar{s}_L\sigma_{\mu\nu}T^a b_R)G^{a\mu\nu}$	C
b->s::c8'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{g_s}{16\pi^2}m_b(\bar{s}_R\sigma_{\mu\nu}T^a b_L)G^{a\mu\nu}$	C
b->see::c9	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{e}\gamma_\mu e)$	C
b->see::c9'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{e}\gamma_\mu e)$	C
b->see::c10	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{e}\gamma_\mu\gamma_5 e)$	C
b->see::c10'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{e}\gamma_\mu\gamma_5 e)$	C
b->see::cS	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_L b_R)(\bar{e}e)$	C
b->see::cS'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_R b_L)(\bar{e}e)$	C
b->see::cP	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_L b_R)(\bar{e}\gamma_5 e)$	C
b->see::cP'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_R b_L)(\bar{e}\gamma_5 e)$	C
b->smumu::c9	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{\mu}\gamma_\mu\mu)$	C
b->smumu::c9'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\mu}\gamma_\mu\mu)$	C
b->smumu::c10	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{\mu}\gamma_\mu\gamma_5\mu)$	C
b->smumu::c10'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{\mu}\gamma_\mu\gamma_5\mu)$	C
b->smumu::cS	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_L b_R)(\bar{\mu}\mu)$	C
b->smumu::cS'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_R b_L)(\bar{\mu}\mu)$	C
b->smumu::cP	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_L b_R)(\bar{\mu}\gamma_5\mu)$	C
b->smumu::cP'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_R b_L)(\bar{\mu}\gamma_5\mu)$	C
b->smumu::cT	$4G_F/\sqrt{2}V_{ub}\frac{e^2}{16\pi^2}(\bar{s}\sigma_{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	C
b->smumu::cT5	$4G_F/\sqrt{2}V_{ub}\frac{e}{16\pi^2}(\bar{s}\sigma_{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\gamma_5\mu)$	C

ubenu

WC name	Operator	Type
b->uenue::cVL	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
b->uenue::cVR	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
b->uenue::cSR	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_L b_R)(\bar{e}_R\nu_{eL})$	C
b->uenue::cSL	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_R b_L)(\bar{e}_R\nu_{eL})$	C
b->uenue::cT	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_R\sigma^{\mu\nu}b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{eL})$	C

ubmunu

WC name	Operator	Type
b->umunumu::cVL	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
b->umunumu::cVR	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
b->umunumu::cSR	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_L b_R)(\bar{\mu}_R\nu_{\mu L})$	C
b->umunumu::cSL	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_R b_L)(\bar{\mu}_R\nu_{\mu L})$	C
b->umunumu::cT	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_R\sigma^{\mu\nu}b_L)(\bar{\mu}_R\sigma_{\mu\nu}\nu_{\mu L})$	C

## Basis flavio (EFT WET)

### 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
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
C1_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^\mu T^a c_L) (\bar{c}_L \gamma_\mu T^a b_L)$	C
C1p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^\mu T^a c_R) (\bar{c}_R \gamma_\mu T^a b_R)$	C
C2_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^\mu c_L) (\bar{c}_L \gamma_\mu b_L)$	C
C2p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^\mu c_R) (\bar{c}_R \gamma_\mu b_R)$	C
C3_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^\mu b_L) \sum_q (\bar{q} \gamma_\mu q)$	C
C3p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^\mu b_R) \sum_q (\bar{q} \gamma_\mu q)$	C
C4_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^\mu T^a b_L) \sum_q (\bar{q} \gamma_\mu T^a q)$	C
C4p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^\mu T^a b_R) \sum_q (\bar{q} \gamma_\mu T^a q)$	C
C5_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_L) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	C
C5p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_R) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	C
C6_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_L) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a q)$	C
C6p_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_R) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a q)$	C
C3Q_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^\mu b_L) \sum_q Q_q (\bar{q} \gamma_\mu q)$	C
C3Qp_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^\mu b_R) \sum_q Q_q (\bar{q} \gamma_\mu q)$	C
C4Q_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^\mu T^a b_L) \sum_q Q_q (\bar{q} \gamma_\mu T^a q)$	C
C4Qp_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^\mu T^a b_R) \sum_q Q_q (\bar{q} \gamma_\mu T^a q)$	C
C5Q_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_L) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	C
C5Qp_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_R) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	C
C6Q_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_L) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a q)$	C
C6Qp_bs	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_R) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a q)$	C
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

WC name	Operator	Type
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

#### sbnnu

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

WC name	Operator	Type
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
C1_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^\mu T^a c_L) (\bar{c}_L \gamma_\mu T^a b_L)$	C
C1p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^\mu T^a c_R) (\bar{c}_R \gamma_\mu T^a b_R)$	C
C2_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^\mu c_L) (\bar{c}_L \gamma_\mu b_L)$	C
C2p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^\mu c_R) (\bar{c}_R \gamma_\mu b_R)$	C
C3_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^\mu b_L) \sum_q (\bar{q} \gamma_\mu q)$	C
C3p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^\mu b_R) \sum_q (\bar{q} \gamma_\mu q)$	C
C4_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^\mu T^a b_L) \sum_q (\bar{q} \gamma_\mu T^a q)$	C
C4p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^\mu T^a b_R) \sum_q (\bar{q} \gamma_\mu T^a q)$	C
C5_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_L) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	C
C5p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_R) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	C
C6_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_L) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a q)$	C
C6p_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_R) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a q)$	C
C3Q_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^\mu b_L) \sum_q Q_q (\bar{q} \gamma_\mu q)$	C
C3Qp_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^\mu b_R) \sum_q Q_q (\bar{q} \gamma_\mu q)$	C
C4Q_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^\mu T^a b_L) \sum_q Q_q (\bar{q} \gamma_\mu T^a q)$	C
C4Qp_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^\mu T^a b_R) \sum_q Q_q (\bar{q} \gamma_\mu T^a q)$	C
C5Q_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_L) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	C
C5Qp_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_R) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	C
C6Q_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_L) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a q)$	C
C6Qp_bd	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_R) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a q)$	C
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



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

WC name	Operator	Type
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_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_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

#### 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

WC name	Operator	Type
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

WC name	Operator	Type
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

#### 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_bdmultau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L) (\bar{\tau} \gamma_\mu \mu)$	C
C9p_bdmultau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R) (\bar{\tau} \gamma_\mu \mu)$	C
C10_bdmultau	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_L \gamma^\mu b_L) (\bar{\tau} \gamma_\mu \gamma_5 \mu)$	C
C10p_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
CV_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_L \gamma^\mu b_L) (\bar{e}_L \gamma_\mu \nu_{eL})$	C
CVp_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_R \gamma^\mu b_R) (\bar{e}_L \gamma_\mu \nu_{eL})$	C
CS_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_L b_R) (\bar{e}_R \nu_{eL})$	C
CSp_bcenu	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_R b_L) (\bar{e}_R \nu_{eL})$	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
CV_bcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_L \gamma^\mu b_L) (\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CVp_bcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_R \gamma^\mu b_R) (\bar{e}_L \gamma_\mu \nu_{\mu L})$	C
CS_bcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_L b_R) (\bar{e}_R \nu_{\mu L})$	C
CSp_bcenumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_R b_L) (\bar{e}_R \nu_{\mu L})$	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

WC name	Operator	Type
CV_bcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	C
CVp_bcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	C
CS_bcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cb}m_b(\bar{c}_L b_R)(\bar{e}_R\nu_{\tau L})$	C
CSp_bcenutau	$-\frac{4G_F}{\sqrt{2}} V_{cb}m_b(\bar{c}_R b_L)(\bar{e}_R\nu_{\tau L})$	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
CV_buenue	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
CVp_buenue	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
CS_buenue	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_L b_R)(\bar{e}_R\nu_{eL})$	C
CSp_buenue	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_R b_L)(\bar{e}_R\nu_{eL})$	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
CV_buenumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{\mu L})$	C
CVp_buenumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{\mu L})$	C
CS_buenumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_L b_R)(\bar{e}_R\nu_{\mu L})$	C
CSp_buenumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_R b_L)(\bar{e}_R\nu_{\mu L})$	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
CV_buenutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	C
CVp_buenutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	C
CS_buenutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_L b_R)(\bar{e}_R\nu_{\tau L})$	C
CSp_buenutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_R b_L)(\bar{e}_R\nu_{\tau L})$	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
CV_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L\gamma^\mu s_L)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
CVp_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R\gamma^\mu s_R)(\bar{e}_L\gamma_\mu\nu_{eL})$	C
CS_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us}m_s(\bar{u}_L s_R)(\bar{e}_R\nu_{eL})$	C
CSp_suenue	$-\frac{4G_F}{\sqrt{2}} V_{us}m_s(\bar{u}_R s_L)(\bar{e}_R\nu_{eL})$	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
CV_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L\gamma^\mu s_L)(\bar{e}_L\gamma_\mu\nu_{\mu L})$	C
CVp_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R\gamma^\mu s_R)(\bar{e}_L\gamma_\mu\nu_{\mu L})$	C

WC name	Operator	Type
CS_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_L s_R) (\bar{e}_R \nu_{\mu L})$	C
CSp_suenumu	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_R s_L) (\bar{e}_R \nu_{\mu L})$	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
CV_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L \gamma^\mu s_L) (\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CVp_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R \gamma^\mu s_R) (\bar{e}_L \gamma_\mu \nu_{\tau L})$	C
CS_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_L s_R) (\bar{e}_R \nu_{\tau L})$	C
CSp_suenutau	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_R s_L) (\bar{e}_R \nu_{\tau L})$	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
CV_bcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_L \gamma^\mu b_L) (\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CVp_bcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_R \gamma^\mu b_R) (\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CS_bcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_L b_R) (\bar{\mu}_R \nu_{eL})$	C
CSp_bcmunue	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_R b_L) (\bar{\mu}_R \nu_{eL})$	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
CV_bcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_L \gamma^\mu b_L) (\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CVp_bcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_R \gamma^\mu b_R) (\bar{\mu}_L \gamma_\mu \nu_{\mu L})$	C
CS_bcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_L b_R) (\bar{\mu}_R \nu_{\mu L})$	C
CSp_bcmunumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_R b_L) (\bar{\mu}_R \nu_{\mu L})$	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
CV_bcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_L \gamma^\mu b_L) (\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CVp_bcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cb} (\bar{c}_R \gamma^\mu b_R) (\bar{\mu}_L \gamma_\mu \nu_{\tau L})$	C
CS_bcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_L b_R) (\bar{\mu}_R \nu_{\tau L})$	C
CSp_bcmunutau	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b (\bar{c}_R b_L) (\bar{\mu}_R \nu_{\tau L})$	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
CV_bumunue	$-\frac{4G_F}{\sqrt{2}} V_{ub} (\bar{u}_L \gamma^\mu b_L) (\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CVp_bumunue	$-\frac{4G_F}{\sqrt{2}} V_{ub} (\bar{u}_R \gamma^\mu b_R) (\bar{\mu}_L \gamma_\mu \nu_{eL})$	C
CS_bumunue	$-\frac{4G_F}{\sqrt{2}} V_{ub} m_b (\bar{u}_L b_R) (\bar{\mu}_R \nu_{eL})$	C
CSp_bumunue	$-\frac{4G_F}{\sqrt{2}} V_{ub} m_b (\bar{u}_R b_L) (\bar{\mu}_R \nu_{eL})$	C



WC name	Operator	Type
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
CV_bumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
CVp_bumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
CS_bumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_L b_R)(\bar{\mu}_R\nu_{\mu L})$	C
CSp_bumunumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_R b_L)(\bar{\mu}_R\nu_{\mu L})$	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
CV_bumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	C
CVp_bumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	C
CS_bumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_L b_R)(\bar{\mu}_R\nu_{\tau L})$	C
CSp_bumunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}m_b(\bar{u}_R b_L)(\bar{\mu}_R\nu_{\tau L})$	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
CV_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L\gamma^\mu s_L)(\bar{\mu}_L\gamma_\mu\nu_{eL})$	C
CVp_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R\gamma^\mu s_R)(\bar{\mu}_L\gamma_\mu\nu_{eL})$	C
CS_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}m_s(\bar{u}_L s_R)(\bar{\mu}_R\nu_{eL})$	C
CSp_sumunue	$-\frac{4G_F}{\sqrt{2}} V_{us}m_s(\bar{u}_R s_L)(\bar{\mu}_R\nu_{eL})$	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
CV_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L\gamma^\mu s_L)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
CVp_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R\gamma^\mu s_R)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	C
CS_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}m_s(\bar{u}_L s_R)(\bar{\mu}_R\nu_{\mu L})$	C
CSp_sumunumu	$-\frac{4G_F}{\sqrt{2}} V_{us}m_s(\bar{u}_R s_L)(\bar{\mu}_R\nu_{\mu L})$	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
CV_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_L\gamma^\mu s_L)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	C
CVp_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}(\bar{u}_R\gamma^\mu s_R)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	C
CS_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}m_s(\bar{u}_L s_R)(\bar{\mu}_R\nu_{\tau L})$	C
CSp_sumunutau	$-\frac{4G_F}{\sqrt{2}} V_{us}m_s(\bar{u}_R s_L)(\bar{\mu}_R\nu_{\tau L})$	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
CV_bctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu\nu_{eL})$	C

WC name	Operator	Type
CVp_bctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cb}(\bar{c}_R \gamma^\mu b_R)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CS_bctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b(\bar{c}_L b_R)(\bar{\tau}_R \nu_{eL})$	C
CSp_bctaunue	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b(\bar{c}_R b_L)(\bar{\tau}_R \nu_{eL})$	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
CV_bctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cb}(\bar{c}_L \gamma^\mu b_L)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CVp_bctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cb}(\bar{c}_R \gamma^\mu b_R)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CS_bctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b(\bar{c}_L b_R)(\bar{\tau}_R \nu_{\mu L})$	C
CSp_bctaunumu	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b(\bar{c}_R b_L)(\bar{\tau}_R \nu_{\mu L})$	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
CV_bctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cb}(\bar{c}_L \gamma^\mu b_L)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CVp_bctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cb}(\bar{c}_R \gamma^\mu b_R)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CS_bctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b(\bar{c}_L b_R)(\bar{\tau}_R \nu_{\tau L})$	C
CSp_bctaunutau	$-\frac{4G_F}{\sqrt{2}} V_{cb} m_b(\bar{c}_R b_L)(\bar{\tau}_R \nu_{\tau L})$	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
CV_butaunue	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_L \gamma^\mu b_L)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CVp_butaunue	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_R \gamma^\mu b_R)(\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CS_butaunue	$-\frac{4G_F}{\sqrt{2}} V_{ub} m_b(\bar{u}_L b_R)(\bar{\tau}_R \nu_{eL})$	C
CSp_butaunue	$-\frac{4G_F}{\sqrt{2}} V_{ub} m_b(\bar{u}_R b_L)(\bar{\tau}_R \nu_{eL})$	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
CV_butaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_L \gamma^\mu b_L)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CVp_butaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_R \gamma^\mu b_R)(\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CS_butaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ub} m_b(\bar{u}_L b_R)(\bar{\tau}_R \nu_{\mu L})$	C
CSp_butaunumu	$-\frac{4G_F}{\sqrt{2}} V_{ub} m_b(\bar{u}_R b_L)(\bar{\tau}_R \nu_{\mu L})$	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
CV_butaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_L \gamma^\mu b_L)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CVp_butaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub}(\bar{u}_R \gamma^\mu b_R)(\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CS_butaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub} m_b(\bar{u}_L b_R)(\bar{\tau}_R \nu_{\tau L})$	C
CSp_butaunutau	$-\frac{4G_F}{\sqrt{2}} V_{ub} m_b(\bar{u}_R b_L)(\bar{\tau}_R \nu_{\tau L})$	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
CV_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L \gamma^\mu s_L) (\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CVp_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R \gamma^\mu s_R) (\bar{\tau}_L \gamma_\mu \nu_{eL})$	C
CS_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_L s_R) (\bar{\tau}_R \nu_{eL})$	C
CSp_sutaunue	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_R s_L) (\bar{\tau}_R \nu_{eL})$	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
CV_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L \gamma^\mu s_L) (\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CVp_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R \gamma^\mu s_R) (\bar{\tau}_L \gamma_\mu \nu_{\mu L})$	C
CS_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_L s_R) (\bar{\tau}_R \nu_{\mu L})$	C
CSp_sutaunumu	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_R s_L) (\bar{\tau}_R \nu_{\mu L})$	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
CV_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_L \gamma^\mu s_L) (\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CVp_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us} (\bar{u}_R \gamma^\mu s_R) (\bar{\tau}_L \gamma_\mu \nu_{\tau L})$	C
CS_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_L s_R) (\bar{\tau}_R \nu_{\tau L})$	C
CSp_sutaunutau	$-\frac{4G_F}{\sqrt{2}} V_{us} m_s (\bar{u}_R s_L) (\bar{\tau}_R \nu_{\tau L})$	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

## Basis formflavor (EFT WET)

### 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
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_cucu	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_L \gamma_\mu c_L)$	C
CVRR_cucu	$(\bar{u}_R \gamma^\mu c_R)(\bar{u}_R \gamma_\mu c_R)$	C
CSLL_cucu	$(\bar{u}_R c_L)(\bar{u}_R c_L)$	C
CSRR_cucu	$(\bar{u}_L c_R)(\bar{u}_L c_R)$	C
CTLL_cucu	$(\bar{u}_R \sigma^{\mu\nu} c_L)(\bar{u}_R \sigma_{\mu\nu} c_L)$	C
CTRR_cucu	$(\bar{u}_L \sigma^{\mu\nu} c_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C
CVLR_cucu	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_R \gamma_\mu c_R)$	C
CSLR_cucu	$(\bar{u}_R c_L)(\bar{u}_L c_R)$	C

sb

WC name	Operator	Type
CVLL_bsmm	$(\bar{s}_L \gamma^\mu b_L)(\bar{\mu}_L \gamma_\mu \mu_L)$	C
CVRR_bsmm	$(\bar{s}_R \gamma^\mu b_R)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
CVLR_bsmm	$(\bar{s}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
CVRL_bsmm	$(\bar{s}_R \gamma^\mu b_R)(\bar{\mu}_L \gamma_\mu \mu_L)$	C
CSLL_bsmm	$(\bar{s}_R b_L)(\bar{\mu}_R \mu_L)$	C
CSRR_bsmm	$(\bar{s}_L b_R)(\bar{\mu}_L \mu_R)$	C
CSLR_bsmm	$(\bar{s}_R b_L)(\bar{\mu}_L \mu_R)$	C
CSRL_bsmm	$(\bar{s}_L b_R)(\bar{\mu}_R \mu_L)$	C
CTLL_bsmm	$(\bar{s}_R \sigma^{\mu\nu} b_L)(\bar{\mu}_R \sigma_{\mu\nu} \mu_L)$	C
CTRR_bsmm	$(\bar{s}_L \sigma^{\mu\nu} b_R)(\bar{\mu}_L \sigma_{\mu\nu} \mu_R)$	C
CAR_sb	$(\bar{s}_L \sigma^{\mu\nu} b_R) F_{\mu\nu}$	C
CAL_sb	$(\bar{s}_R \sigma^{\mu\nu} b_L) F_{\mu\nu}$	C
CGR_sb	$(\bar{s}_L \sigma^{\mu\nu} b_R) G_{\mu\nu}$	C
CGL_sb	$(\bar{s}_R \sigma^{\mu\nu} b_L) G_{\mu\nu}$	C

db

WC name	Operator	Type
CVLL_bdmm	$(\bar{d}_L \gamma^\mu b_L)(\bar{\mu}_L \gamma_\mu \mu_L)$	C
CVRR_bdmm	$(\bar{d}_R \gamma^\mu b_R)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
CVLR_bdmm	$(\bar{d}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
CVRL_bdmm	$(\bar{d}_R \gamma^\mu b_R)(\bar{\mu}_L \gamma_\mu \mu_L)$	C
CSLL_bdmm	$(\bar{d}_R b_L)(\bar{\mu}_R \mu_L)$	C
CSRR_bdmm	$(\bar{d}_L b_R)(\bar{\mu}_L \mu_R)$	C
CSLR_bdmm	$(\bar{d}_R b_L)(\bar{\mu}_L \mu_R)$	C
CSRL_bdmm	$(\bar{d}_L b_R)(\bar{\mu}_R \mu_L)$	C

WC name	Operator	Type
CTLL_bdm	$(\bar{d}_R \sigma^{\mu\nu} b_L)(\bar{\mu}_R \sigma_{\mu\nu} \mu_L)$	C
CTRR_bdm	$(\bar{d}_L \sigma^{\mu\nu} b_R)(\bar{\mu}_L \sigma_{\mu\nu} \mu_R)$	C
CAR_db	$(\bar{d}_L \sigma^{\mu\nu} b_R)F_{\mu\nu}$	C
CAL_db	$(\bar{d}_R \sigma^{\mu\nu} b_L)F_{\mu\nu}$	C
CGR_db	$(\bar{d}_L \sigma^{\mu\nu} b_R)G_{\mu\nu}$	C
CGL_db	$(\bar{d}_R \sigma^{\mu\nu} b_L)G_{\mu\nu}$	C

**sdnunu**

WC name	Operator	Type
CVLL_sdn	$(\bar{d}_L \gamma^\mu s_L)(\bar{\nu}_L \gamma_\mu \nu_L)$	C
CVRL_sdn	$(\bar{d}_R \gamma^\mu s_R)(\bar{\nu}_L \gamma_\mu \nu_L)$	C

**dF=0**

WC name	Operator	Type
CAR_dd	$(\bar{d}_L \sigma^{\mu\nu} d_R)F_{\mu\nu}$	C
CAL_dd	$(\bar{d}_R \sigma^{\mu\nu} d_L)F_{\mu\nu}$	C
CGR_dd	$(\bar{d}_L \sigma^{\mu\nu} d_R)G_{\mu\nu}$	C
CGL_dd	$(\bar{d}_R \sigma^{\mu\nu} d_L)G_{\mu\nu}$	C
CAR_uu	$(\bar{u}_L \sigma^{\mu\nu} u_R)F_{\mu\nu}$	C
CAL_uu	$(\bar{u}_R \sigma^{\mu\nu} u_L)F_{\mu\nu}$	C
CGR_uu	$(\bar{u}_L \sigma^{\mu\nu} u_R)G_{\mu\nu}$	C
CGL_uu	$(\bar{u}_R \sigma^{\mu\nu} u_L)G_{\mu\nu}$	C

**mue**

WC name	Operator	Type
CAR_em	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)F_{\mu\nu}$	C
CAL_em	$(\bar{e}_R \sigma^{\mu\nu} \mu_L)F_{\mu\nu}$	C

**mutau**

WC name	Operator	Type
CAR_mt	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)F_{\mu\nu}$	C
CAL_mt	$(\bar{\mu}_R \sigma^{\mu\nu} \tau_L)F_{\mu\nu}$	C

**taue**

WC name	Operator	Type
CAR_et	$(\bar{e}_L \sigma^{\mu\nu} \tau_R) F_{\mu\nu}$	C
CAL_et	$(\bar{e}_R \sigma^{\mu\nu} \tau_L) F_{\mu\nu}$	C

## Basis JMS (EFT WET)

Basis suggested by Jenkins, Manohar, and Stoffer (arXiv:1709.04486). Currently only includes baryon and lepton number conserving operators. Neutrinos are in the mass basis.

### Sectors

#### sbsb

WC name	Operator	Type
VddLL_2323	$(\bar{s}_L \gamma^\mu b_L)(\bar{s}_L \gamma_\mu b_L)$	C
VddRR_2323	$(\bar{s}_R \gamma^\mu b_R)(\bar{s}_R \gamma_\mu b_R)$	C
V1ddLR_2323	$(\bar{s}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu b_R)$	C
V8ddLR_2323	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C
S1ddRR_2323	$(\bar{s}_L b_R)(\bar{s}_L b_R)$	C
S1ddRR_3232	$(\bar{b}_L s_R)(\bar{b}_L s_R)$	C
S8ddRR_2323	$(\bar{s}_L T^A b_R)(\bar{s}_L T^A b_R)$	C
S8ddRR_3232	$(\bar{b}_L T^A s_R)(\bar{b}_L T^A s_R)$	C

#### dbdb

WC name	Operator	Type
VddLL_1313	$(\bar{d}_L \gamma^\mu b_L)(\bar{d}_L \gamma_\mu b_L)$	C
VddRR_1313	$(\bar{d}_R \gamma^\mu b_R)(\bar{d}_R \gamma_\mu b_R)$	C
V1ddLR_1313	$(\bar{d}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu b_R)$	C
V8ddLR_1313	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
S1ddRR_1313	$(\bar{d}_L b_R)(\bar{d}_L b_R)$	C
S1ddRR_3131	$(\bar{b}_L d_R)(\bar{b}_L d_R)$	C
S8ddRR_1313	$(\bar{d}_L T^A b_R)(\bar{d}_L T^A b_R)$	C
S8ddRR_3131	$(\bar{b}_L T^A d_R)(\bar{b}_L T^A d_R)$	C

#### sdsd

WC name	Operator	Type
VddLL_1212	$(\bar{d}_L \gamma^\mu s_L)(\bar{d}_L \gamma_\mu s_L)$	C
VddRR_1212	$(\bar{d}_R \gamma^\mu s_R)(\bar{d}_R \gamma_\mu s_R)$	C
V1ddLR_1212	$(\bar{d}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu s_R)$	C
V8ddLR_1212	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C



WC name	Operator	Type
S1ddRR_1212	$(\bar{d}_L s_R)(\bar{d}_L s_R)$	C
S1ddRR_2121	$(\bar{s}_L d_R)(\bar{s}_L d_R)$	C
S8ddRR_1212	$(\bar{d}_L T^A s_R)(\bar{d}_L T^A s_R)$	C
S8ddRR_2121	$(\bar{s}_L T^A d_R)(\bar{s}_L T^A d_R)$	C

**cucu**

WC name	Operator	Type
VuuLL_1212	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_L \gamma_\mu c_L)$	C
VuuRR_1212	$(\bar{u}_R \gamma^\mu c_R)(\bar{u}_R \gamma_\mu c_R)$	C
V1uuLR_1212	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_R \gamma_\mu c_R)$	C
V8uuLR_1212	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
S1uuRR_1212	$(\bar{u}_L c_R)(\bar{u}_L c_R)$	C
S1uuRR_2121	$(\bar{c}_L u_R)(\bar{c}_L u_R)$	C
S8uuRR_1212	$(\bar{u}_L T^A c_R)(\bar{u}_L T^A c_R)$	C
S8uuRR_2121	$(\bar{c}_L T^A u_R)(\bar{c}_L T^A u_R)$	C

**dbsb**

WC name	Operator	Type
VddLL_1323	$(\bar{d}_L \gamma^\mu b_L)(\bar{s}_L \gamma_\mu b_L)$	C
VddRR_1323	$(\bar{d}_R \gamma^\mu b_R)(\bar{s}_R \gamma_\mu b_R)$	C
V1ddLR_1323	$(\bar{d}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu b_R)$	C
V1ddLR_2313	$(\bar{s}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu b_R)$	C
V8ddLR_1323	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C
V8ddLR_2313	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
S1ddRR_1323	$(\bar{d}_L b_R)(\bar{s}_L b_R)$	C
S1ddRR_3132	$(\bar{b}_L d_R)(\bar{b}_L s_R)$	C
S8ddRR_1323	$(\bar{d}_L T^A b_R)(\bar{s}_L T^A b_R)$	C
S8ddRR_3132	$(\bar{b}_L T^A d_R)(\bar{b}_L T^A s_R)$	C

**sbuc**

WC name	Operator	Type
V1udLL_1223	$(\bar{u}_L \gamma^\mu c_L)(\bar{s}_L \gamma_\mu b_L)$	C
V8udLL_1223	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{s}_L \gamma_\mu T^A b_L)$	C
V1udRR_1223	$(\bar{u}_R \gamma^\mu c_R)(\bar{s}_R \gamma_\mu b_R)$	C
V8udRR_1223	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{s}_R \gamma_\mu T^A b_R)$	C

WC name	Operator	Type
V1udLR_1223	$(\bar{u}_L \gamma^\mu c_L)(\bar{s}_R \gamma_\mu b_R)$	C
V8udLR_1223	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C
V1duLR_2312	$(\bar{s}_L \gamma^\mu b_L)(\bar{u}_R \gamma_\mu c_R)$	C
V8duLR_2312	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
V1udduLR_1322	$(\bar{u}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu c_R)$	C
V1udduLR_2231	$(\bar{c}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu u_R)$	C
V8udduLR_1322	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2231	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A u_R)$	C
S1udRR_1223	$(\bar{u}_L c_R)(\bar{s}_L b_R)$	C
S1udRR_2132	$(\bar{c}_L u_R)(\bar{b}_L s_R)$	C
S8udRR_1223	$(\bar{u}_L T^A c_R)(\bar{s}_L T^A b_R)$	C
S8udRR_2132	$(\bar{c}_L T^A u_R)(\bar{b}_L T^A s_R)$	C
S1udduRR_1322	$(\bar{u}_L b_R)(\bar{s}_L c_R)$	C
S1udduRR_2231	$(\bar{c}_L s_R)(\bar{b}_L u_R)$	C
S8udduRR_1322	$(\bar{u}_L T^A b_R)(\bar{s}_L T^A c_R)$	C
S8udduRR_2231	$(\bar{c}_L T^A s_R)(\bar{b}_L T^A u_R)$	C

sbcu

WC name	Operator	Type
V1udLL_1232	$(\bar{u}_L \gamma^\mu c_L)(\bar{b}_L \gamma_\mu s_L)$	C
V8udLL_1232	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{b}_L \gamma_\mu T^A s_L)$	C
V1udRR_1232	$(\bar{u}_R \gamma^\mu c_R)(\bar{b}_R \gamma_\mu s_R)$	C
V8udRR_1232	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{b}_R \gamma_\mu T^A s_R)$	C
V1udLR_1232	$(\bar{u}_L \gamma^\mu c_L)(\bar{b}_R \gamma_\mu s_R)$	C
V8udLR_1232	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{b}_R \gamma_\mu T^A s_R)$	C
V1duLR_2321	$(\bar{s}_L \gamma^\mu b_L)(\bar{c}_R \gamma_\mu u_R)$	C
V8duLR_2321	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{c}_R \gamma_\mu T^A u_R)$	C
V1udduLR_1232	$(\bar{u}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu c_R)$	C
V1udduLR_2321	$(\bar{c}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu u_R)$	C
V8udduLR_1232	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2321	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A u_R)$	C
S1udRR_1232	$(\bar{u}_L c_R)(\bar{b}_L s_R)$	C
S1udRR_2123	$(\bar{c}_L u_R)(\bar{s}_L b_R)$	C
S8udRR_1232	$(\bar{u}_L T^A c_R)(\bar{b}_L T^A s_R)$	C
S8udRR_2123	$(\bar{c}_L T^A u_R)(\bar{s}_L T^A b_R)$	C
S1udduRR_1232	$(\bar{u}_L s_R)(\bar{b}_L c_R)$	C
S1udduRR_2321	$(\bar{c}_L b_R)(\bar{s}_L u_R)$	C
S8udduRR_1232	$(\bar{u}_L T^A s_R)(\bar{b}_L T^A c_R)$	C
S8udduRR_2321	$(\bar{c}_L T^A b_R)(\bar{s}_L T^A u_R)$	C

dbuc

WC name	Operator	Type
V1udLL_1213	$(\bar{u}_L \gamma^\mu c_L)(\bar{d}_L \gamma_\mu b_L)$	C
V8udLL_1213	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{d}_L \gamma_\mu T^A b_L)$	C
V1udRR_1213	$(\bar{u}_R \gamma^\mu c_R)(\bar{d}_R \gamma_\mu b_R)$	C
V8udRR_1213	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V1udLR_1213	$(\bar{u}_L \gamma^\mu c_L)(\bar{d}_R \gamma_\mu b_R)$	C
V8udLR_1213	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V1duLR_1312	$(\bar{d}_L \gamma^\mu b_L)(\bar{u}_R \gamma_\mu c_R)$	C
V8duLR_1312	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
V1udduLR_1312	$(\bar{u}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu c_R)$	C
V1udduLR_2131	$(\bar{c}_L \gamma^\mu d_L)(\bar{b}_R \gamma_\mu u_R)$	C
V8udduLR_1312	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2131	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{b}_R \gamma_\mu T^A u_R)$	C
S1udRR_1213	$(\bar{u}_L c_R)(\bar{d}_L b_R)$	C
S1udRR_2131	$(\bar{c}_L u_R)(\bar{b}_L d_R)$	C
S8udRR_1213	$(\bar{u}_L T^A c_R)(\bar{d}_L T^A b_R)$	C
S8udRR_2131	$(\bar{c}_L T^A u_R)(\bar{b}_L T^A d_R)$	C
S1udduRR_1312	$(\bar{u}_L b_R)(\bar{d}_L c_R)$	C
S1udduRR_2131	$(\bar{c}_L d_R)(\bar{b}_L u_R)$	C
S8udduRR_1312	$(\bar{u}_L T^A b_R)(\bar{d}_L T^A c_R)$	C
S8udduRR_2131	$(\bar{c}_L T^A d_R)(\bar{b}_L T^A u_R)$	C

dbcu

WC name	Operator	Type
V1udLL_1231	$(\bar{u}_L \gamma^\mu c_L)(\bar{b}_L \gamma_\mu d_L)$	C
V8udLL_1231	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{b}_L \gamma_\mu T^A d_L)$	C
V1udRR_1231	$(\bar{u}_R \gamma^\mu c_R)(\bar{b}_R \gamma_\mu d_R)$	C
V8udRR_1231	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{b}_R \gamma_\mu T^A d_R)$	C
V1udLR_1231	$(\bar{u}_L \gamma^\mu c_L)(\bar{b}_R \gamma_\mu d_R)$	C
V8udLR_1231	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{b}_R \gamma_\mu T^A d_R)$	C
V1duLR_1321	$(\bar{d}_L \gamma^\mu b_L)(\bar{c}_R \gamma_\mu u_R)$	C
V8duLR_1321	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{c}_R \gamma_\mu T^A u_R)$	C
V1udduLR_1132	$(\bar{u}_L \gamma^\mu d_L)(\bar{b}_R \gamma_\mu c_R)$	C
V1udduLR_2311	$(\bar{c}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu u_R)$	C
V8udduLR_1132	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{b}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2311	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A u_R)$	C
S1udRR_1231	$(\bar{u}_L c_R)(\bar{b}_L d_R)$	C
S1udRR_2113	$(\bar{c}_L u_R)(\bar{d}_L b_R)$	C

WC name	Operator	Type
S8udRR_1231	$(\bar{u}_L T^A c_R)(\bar{b}_L T^A d_R)$	C
S8udRR_2113	$(\bar{c}_L T^A u_R)(\bar{d}_L T^A b_R)$	C
S1udduRR_1132	$(\bar{u}_L d_R)(\bar{b}_L c_R)$	C
S1udduRR_2311	$(\bar{c}_L b_R)(\bar{d}_L u_R)$	C
S8udduRR_1132	$(\bar{u}_L T^A d_R)(\bar{b}_L T^A c_R)$	C
S8udduRR_2311	$(\bar{c}_L T^A b_R)(\bar{d}_L T^A u_R)$	C

**sduc**

WC name	Operator	Type
V1udLL_1221	$(\bar{u}_L \gamma^\mu c_L)(\bar{s}_L \gamma_\mu d_L)$	C
V8udLL_1221	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{s}_L \gamma_\mu T^A d_L)$	C
V1udRR_1221	$(\bar{u}_R \gamma^\mu c_R)(\bar{s}_R \gamma_\mu d_R)$	C
V8udRR_1221	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{s}_R \gamma_\mu T^A d_R)$	C
V1udLR_1221	$(\bar{u}_L \gamma^\mu c_L)(\bar{s}_R \gamma_\mu d_R)$	C
V8udLR_1221	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{s}_R \gamma_\mu T^A d_R)$	C
V1duLR_1221	$(\bar{d}_L \gamma^\mu s_L)(\bar{c}_R \gamma_\mu u_R)$	C
V8duLR_1221	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{c}_R \gamma_\mu T^A u_R)$	C
V1udduLR_1122	$(\bar{u}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu c_R)$	C
V1udduLR_2211	$(\bar{c}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu u_R)$	C
V8udduLR_1122	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2211	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A u_R)$	C
S1udRR_1221	$(\bar{u}_L c_R)(\bar{s}_L d_R)$	C
S1udRR_2112	$(\bar{c}_L u_R)(\bar{d}_L s_R)$	C
S8udRR_1221	$(\bar{u}_L T^A c_R)(\bar{s}_L T^A d_R)$	C
S8udRR_2112	$(\bar{c}_L T^A u_R)(\bar{d}_L T^A s_R)$	C
S1udduRR_1122	$(\bar{u}_L d_R)(\bar{s}_L c_R)$	C
S1udduRR_2211	$(\bar{c}_L s_R)(\bar{d}_L u_R)$	C
S8udduRR_1122	$(\bar{u}_L T^A d_R)(\bar{s}_L T^A c_R)$	C
S8udduRR_2211	$(\bar{c}_L T^A s_R)(\bar{d}_L T^A u_R)$	C

**sdcu**

WC name	Operator	Type
V1udLL_1212	$(\bar{u}_L \gamma^\mu c_L)(\bar{d}_L \gamma_\mu s_L)$	C
V8udLL_1212	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{d}_L \gamma_\mu T^A s_L)$	C
V1udRR_1212	$(\bar{u}_R \gamma^\mu c_R)(\bar{d}_R \gamma_\mu s_R)$	C
V8udRR_1212	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{d}_R \gamma_\mu T^A s_R)$	C
V1udLR_1212	$(\bar{u}_L \gamma^\mu c_L)(\bar{d}_R \gamma_\mu s_R)$	C
V8udLR_1212	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C

WC name	Operator	Type
V1duLR_1212	$(\bar{d}_L \gamma^\mu s_L)(\bar{u}_R \gamma_\mu c_R)$	C
V8duLR_1212	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
V1udduLR_1212	$(\bar{u}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu c_R)$	C
V1udduLR_2121	$(\bar{c}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu u_R)$	C
V8udduLR_1212	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2121	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A u_R)$	C
S1udRR_1212	$(\bar{u}_L c_R)(\bar{d}_L s_R)$	C
S1udRR_2121	$(\bar{c}_L u_R)(\bar{s}_L d_R)$	C
S8udRR_1212	$(\bar{u}_L T^A c_R)(\bar{d}_L T^A s_R)$	C
S8udRR_2121	$(\bar{c}_L T^A u_R)(\bar{s}_L T^A d_R)$	C
S1udduRR_1212	$(\bar{u}_L s_R)(\bar{d}_L c_R)$	C
S1udduRR_2121	$(\bar{c}_L d_R)(\bar{s}_L u_R)$	C
S8udduRR_1212	$(\bar{u}_L T^A s_R)(\bar{d}_L T^A c_R)$	C
S8udduRR_2121	$(\bar{c}_L T^A d_R)(\bar{s}_L T^A u_R)$	C

sbsd

WC name	Operator	Type
VddLL_1232	$(\bar{d}_L \gamma^\mu s_L)(\bar{b}_L \gamma_\mu s_L)$	C
VddRR_1232	$(\bar{d}_R \gamma^\mu s_R)(\bar{b}_R \gamma_\mu s_R)$	C
V1ddLR_1232	$(\bar{d}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu s_R)$	C
V1ddLR_2321	$(\bar{s}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu d_R)$	C
V8ddLR_1232	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A s_R)$	C
V8ddLR_2321	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A d_R)$	C
S1ddRR_1232	$(\bar{d}_L s_R)(\bar{b}_L s_R)$	C
S1ddRR_2123	$(\bar{s}_L d_R)(\bar{s}_L b_R)$	C
S8ddRR_1232	$(\bar{d}_L T^A s_R)(\bar{b}_L T^A s_R)$	C
S8ddRR_2123	$(\bar{s}_L T^A d_R)(\bar{s}_L T^A b_R)$	C

dbds

WC name	Operator	Type
VddLL_1213	$(\bar{d}_L \gamma^\mu s_L)(\bar{d}_L \gamma_\mu b_L)$	C
VddRR_1213	$(\bar{d}_R \gamma^\mu s_R)(\bar{d}_R \gamma_\mu b_R)$	C
V1ddLR_1213	$(\bar{d}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu b_R)$	C
V1ddLR_1312	$(\bar{d}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu s_R)$	C
V8ddLR_1213	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V8ddLR_1312	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C
S1ddRR_1213	$(\bar{d}_L s_R)(\bar{d}_L b_R)$	C

WC name	Operator	Type
S1ddRR_2131	$(\bar{s}_L d_R)(\bar{b}_L d_R)$	C
S8ddRR_1213	$(\bar{d}_L T^A s_R)(\bar{d}_L T^A b_R)$	C
S8ddRR_2131	$(\bar{s}_L T^A d_R)(\bar{b}_L T^A d_R)$	C

sb

WC name	Operator	Type
dgamma_23	$\bar{s}_L \sigma^{\mu\nu} b_R F_{\mu\nu}$	C
dgamma_32	$\bar{b}_L \sigma^{\mu\nu} s_R F_{\mu\nu}$	C
dG_23	$\bar{s}_L \sigma^{\mu\nu} T^A b_R G_{\mu\nu}^A$	C
dG_32	$\bar{b}_L \sigma^{\mu\nu} T^A s_R G_{\mu\nu}^A$	C
VedLL_1123	$(\bar{e}_L \gamma^\mu e_L)(\bar{s}_L \gamma_\mu b_L)$	C
VedLL_2223	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{s}_L \gamma_\mu b_L)$	C
VedLL_3323	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu b_L)$	C
VddLL_1123	$(\bar{d}_L \gamma^\mu d_L)(\bar{s}_L \gamma_\mu b_L)$	C
VddLL_1231	$(\bar{d}_L \gamma^\mu s_L)(\bar{b}_L \gamma_\mu d_L)$	C
VddLL_2223	$(\bar{s}_L \gamma^\mu s_L)(\bar{s}_L \gamma_\mu b_L)$	C
VddLL_2333	$(\bar{s}_L \gamma^\mu b_L)(\bar{b}_L \gamma_\mu b_L)$	C
V1udLL_1123	$(\bar{u}_L \gamma^\mu u_L)(\bar{s}_L \gamma_\mu b_L)$	C
V1udLL_2223	$(\bar{c}_L \gamma^\mu c_L)(\bar{s}_L \gamma_\mu b_L)$	C
V8udLL_1123	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{s}_L \gamma_\mu T^A b_L)$	C
V8udLL_2223	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{s}_L \gamma_\mu T^A b_L)$	C
VedRR_1123	$(\bar{e}_R \gamma^\mu e_R)(\bar{s}_R \gamma_\mu b_R)$	C
VedRR_2223	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{s}_R \gamma_\mu b_R)$	C
VedRR_3323	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu b_R)$	C
VddRR_1123	$(\bar{d}_R \gamma^\mu d_R)(\bar{s}_R \gamma_\mu b_R)$	C
VddRR_1231	$(\bar{d}_R \gamma^\mu s_R)(\bar{b}_R \gamma_\mu d_R)$	C
VddRR_2223	$(\bar{s}_R \gamma^\mu s_R)(\bar{s}_R \gamma_\mu b_R)$	C
VddRR_2333	$(\bar{s}_R \gamma^\mu b_R)(\bar{b}_R \gamma_\mu b_R)$	C
V1udRR_1123	$(\bar{u}_R \gamma^\mu u_R)(\bar{s}_R \gamma_\mu b_R)$	C
V1udRR_2223	$(\bar{c}_R \gamma^\mu c_R)(\bar{s}_R \gamma_\mu b_R)$	C
V8udRR_1123	$(\bar{u}_R \gamma^\mu T^A u_R)(\bar{s}_R \gamma_\mu T^A b_R)$	C
V8udRR_2223	$(\bar{c}_R \gamma^\mu T^A c_R)(\bar{s}_R \gamma_\mu T^A b_R)$	C
VedLR_1123	$(\bar{e}_L \gamma^\mu e_L)(\bar{s}_R \gamma_\mu b_R)$	C
VedLR_2223	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{s}_R \gamma_\mu b_R)$	C
VedLR_3323	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu b_R)$	C
VdeLR_2311	$(\bar{s}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu e_R)$	C
VdeLR_2322	$(\bar{s}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VdeLR_2333	$(\bar{s}_L \gamma^\mu b_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
V1udLR_1123	$(\bar{u}_L \gamma^\mu u_L)(\bar{s}_R \gamma_\mu b_R)$	C
V1udLR_2223	$(\bar{c}_L \gamma^\mu c_L)(\bar{s}_R \gamma_\mu b_R)$	C
V8udLR_1123	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C

WC name	Operator	Type
V8udLR_2223	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C
V1duLR_2311	$(\bar{s}_L \gamma^\mu b_L)(\bar{u}_R \gamma_\mu u_R)$	C
V1duLR_2322	$(\bar{s}_L \gamma^\mu b_L)(\bar{c}_R \gamma_\mu c_R)$	C
V8duLR_2311	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{u}_R \gamma_\mu T^A u_R)$	C
V8duLR_2322	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{c}_R \gamma_\mu T^A c_R)$	C
V1ddLR_1123	$(\bar{d}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu b_R)$	C
V1ddLR_1231	$(\bar{d}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu d_R)$	C
V1ddLR_1321	$(\bar{d}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu d_R)$	C
V1ddLR_2223	$(\bar{s}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu b_R)$	C
V1ddLR_2311	$(\bar{s}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu d_R)$	C
V1ddLR_2322	$(\bar{s}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu s_R)$	C
V1ddLR_2333	$(\bar{s}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu b_R)$	C
V1ddLR_3323	$(\bar{b}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu b_R)$	C
V8ddLR_1123	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C
V8ddLR_1231	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A d_R)$	C
V8ddLR_1321	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A d_R)$	C
V8ddLR_2223	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C
V8ddLR_2311	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A d_R)$	C
V8ddLR_2322	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A s_R)$	C
V8ddLR_2333	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A b_R)$	C
V8ddLR_3323	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C
V1udduLR_1231	$(\bar{u}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu u_R)$	C
V1udduLR_1321	$(\bar{u}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu u_R)$	C
V1udduLR_2232	$(\bar{c}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu c_R)$	C
V1udduLR_2322	$(\bar{c}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu c_R)$	C
V8udduLR_1231	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A u_R)$	C
V8udduLR_1321	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A u_R)$	C
V8udduLR_2232	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2322	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A c_R)$	C
SedRL_1123	$(\bar{e}_L e_R)(\bar{s}_R b_L)$	C
SedRL_1132	$(\bar{e}_L e_R)(\bar{b}_R s_L)$	C
SedRL_2223	$(\bar{\mu}_L \mu_R)(\bar{s}_R b_L)$	C
SedRL_2232	$(\bar{\mu}_L \mu_R)(\bar{b}_R s_L)$	C
SedRL_3323	$(\bar{\tau}_L \tau_R)(\bar{s}_R b_L)$	C
SedRL_3332	$(\bar{\tau}_L \tau_R)(\bar{b}_R s_L)$	C
SedRR_1123	$(\bar{e}_L e_R)(\bar{s}_L b_R)$	C
SedRR_1132	$(\bar{e}_L e_R)(\bar{b}_L s_R)$	C
SedRR_2223	$(\bar{\mu}_L \mu_R)(\bar{s}_L b_R)$	C
SedRR_2232	$(\bar{\mu}_L \mu_R)(\bar{b}_L s_R)$	C
SedRR_3323	$(\bar{\tau}_L \tau_R)(\bar{s}_L b_R)$	C
SedRR_3332	$(\bar{\tau}_L \tau_R)(\bar{b}_L s_R)$	C
TedRR_1123	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C
TedRR_1132	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C

WC name	Operator	Type
TedRR_2223	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C
TedRR_2232	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3323	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3332	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C
S1udRR_1123	$(\bar{u}_L u_R)(\bar{s}_L b_R)$	C
S1udRR_1132	$(\bar{u}_L u_R)(\bar{b}_L s_R)$	C
S1udRR_2223	$(\bar{c}_L c_R)(\bar{s}_L b_R)$	C
S1udRR_2232	$(\bar{c}_L c_R)(\bar{b}_L s_R)$	C
S8udRR_1123	$(\bar{u}_L T^A u_R)(\bar{s}_L T^A b_R)$	C
S8udRR_1132	$(\bar{u}_L T^A u_R)(\bar{b}_L T^A s_R)$	C
S8udRR_2223	$(\bar{c}_L T^A c_R)(\bar{s}_L T^A b_R)$	C
S8udRR_2232	$(\bar{c}_L T^A c_R)(\bar{b}_L T^A s_R)$	C
S1ddRR_1123	$(\bar{d}_L d_R)(\bar{s}_L b_R)$	C
S1ddRR_1132	$(\bar{d}_L d_R)(\bar{b}_L s_R)$	C
S1ddRR_1231	$(\bar{d}_L s_R)(\bar{b}_L d_R)$	C
S1ddRR_1321	$(\bar{d}_L b_R)(\bar{s}_L d_R)$	C
S1ddRR_2223	$(\bar{s}_L s_R)(\bar{s}_L b_R)$	C
S1ddRR_2232	$(\bar{s}_L s_R)(\bar{b}_L s_R)$	C
S1ddRR_2333	$(\bar{s}_L b_R)(\bar{b}_L b_R)$	C
S1ddRR_3233	$(\bar{b}_L s_R)(\bar{b}_L b_R)$	C
S8ddRR_1123	$(\bar{d}_L T^A d_R)(\bar{s}_L T^A b_R)$	C
S8ddRR_1132	$(\bar{d}_L T^A d_R)(\bar{b}_L T^A s_R)$	C
S8ddRR_1231	$(\bar{d}_L T^A s_R)(\bar{b}_L T^A d_R)$	C
S8ddRR_1321	$(\bar{d}_L T^A b_R)(\bar{s}_L T^A d_R)$	C
S8ddRR_2223	$(\bar{s}_L T^A s_R)(\bar{s}_L T^A b_R)$	C
S8ddRR_2232	$(\bar{s}_L T^A s_R)(\bar{b}_L T^A s_R)$	C
S8ddRR_2333	$(\bar{s}_L T^A b_R)(\bar{b}_L T^A b_R)$	C
S8ddRR_3233	$(\bar{b}_L T^A s_R)(\bar{b}_L T^A b_R)$	C
S1udduRR_1231	$(\bar{u}_L s_R)(\bar{b}_L u_R)$	C
S1udduRR_1321	$(\bar{u}_L b_R)(\bar{s}_L u_R)$	C
S1udduRR_2232	$(\bar{c}_L s_R)(\bar{b}_L c_R)$	C
S1udduRR_2322	$(\bar{c}_L b_R)(\bar{s}_L c_R)$	C
S8udduRR_1231	$(\bar{u}_L T^A s_R)(\bar{b}_L T^A u_R)$	C
S8udduRR_1321	$(\bar{u}_L T^A b_R)(\bar{s}_L T^A u_R)$	C
S8udduRR_2232	$(\bar{c}_L T^A s_R)(\bar{b}_L T^A c_R)$	C
S8udduRR_2322	$(\bar{c}_L T^A b_R)(\bar{s}_L T^A c_R)$	C

db

WC name	Operator	Type
dgamma_13	$\bar{d}_L \sigma^{\mu\nu} b_R F_{\mu\nu}$	C



WC name	Operator	Type
dgamma_31	$\bar{b}_L \sigma^{\mu\nu} d_R F_{\mu\nu}$	C
dG_13	$\bar{d}_L \sigma^{\mu\nu} T^A b_R G_{\mu\nu}^A$	C
dG_31	$\bar{b}_L \sigma^{\mu\nu} T^A d_R G_{\mu\nu}^A$	C
VedLL_1113	$(\bar{e}_L \gamma^\mu e_L)(\bar{d}_L \gamma_\mu b_L)$	C
VedLL_2213	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{d}_L \gamma_\mu b_L)$	C
VedLL_3313	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu b_L)$	C
VddLL_1113	$(\bar{d}_L \gamma^\mu d_L)(\bar{d}_L \gamma_\mu b_L)$	C
VddLL_1223	$(\bar{d}_L \gamma^\mu s_L)(\bar{s}_L \gamma_\mu b_L)$	C
VddLL_1322	$(\bar{d}_L \gamma^\mu b_L)(\bar{s}_L \gamma_\mu s_L)$	C
VddLL_1333	$(\bar{d}_L \gamma^\mu b_L)(\bar{b}_L \gamma_\mu b_L)$	C
V1udLL_1113	$(\bar{u}_L \gamma^\mu u_L)(\bar{d}_L \gamma_\mu b_L)$	C
V1udLL_2213	$(\bar{c}_L \gamma^\mu c_L)(\bar{d}_L \gamma_\mu b_L)$	C
V8udLL_1113	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_L \gamma_\mu T^A b_L)$	C
V8udLL_2213	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{d}_L \gamma_\mu T^A b_L)$	C
VedRR_1113	$(\bar{e}_R \gamma^\mu e_R)(\bar{d}_R \gamma_\mu b_R)$	C
VedRR_2213	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{d}_R \gamma_\mu b_R)$	C
VedRR_3313	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu b_R)$	C
VddRR_1113	$(\bar{d}_R \gamma^\mu d_R)(\bar{d}_R \gamma_\mu b_R)$	C
VddRR_1223	$(\bar{d}_R \gamma^\mu s_R)(\bar{s}_R \gamma_\mu b_R)$	C
VddRR_1322	$(\bar{d}_R \gamma^\mu b_R)(\bar{s}_R \gamma_\mu s_R)$	C
VddRR_1333	$(\bar{d}_R \gamma^\mu b_R)(\bar{b}_R \gamma_\mu b_R)$	C
V1udRR_1113	$(\bar{u}_R \gamma^\mu u_R)(\bar{d}_R \gamma_\mu b_R)$	C
V1udRR_2213	$(\bar{c}_R \gamma^\mu c_R)(\bar{d}_R \gamma_\mu b_R)$	C
V8udRR_1113	$(\bar{u}_R \gamma^\mu T^A u_R)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V8udRR_2213	$(\bar{c}_R \gamma^\mu T^A c_R)(\bar{d}_R \gamma_\mu T^A b_R)$	C
VedLR_1113	$(\bar{e}_L \gamma^\mu e_L)(\bar{d}_R \gamma_\mu b_R)$	C
VedLR_2213	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{d}_R \gamma_\mu b_R)$	C
VedLR_3313	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu b_R)$	C
VdeLR_1311	$(\bar{d}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu e_R)$	C
VdeLR_1322	$(\bar{d}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VdeLR_1333	$(\bar{d}_L \gamma^\mu b_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
V1udLR_1113	$(\bar{u}_L \gamma^\mu u_L)(\bar{d}_R \gamma_\mu b_R)$	C
V1udLR_2213	$(\bar{c}_L \gamma^\mu c_L)(\bar{d}_R \gamma_\mu b_R)$	C
V8udLR_1113	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V8udLR_2213	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V1duLR_1311	$(\bar{d}_L \gamma^\mu b_L)(\bar{u}_R \gamma_\mu u_R)$	C
V1duLR_1322	$(\bar{d}_L \gamma^\mu b_L)(\bar{c}_R \gamma_\mu c_R)$	C
V8duLR_1311	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{u}_R \gamma_\mu T^A u_R)$	C
V8duLR_1322	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{c}_R \gamma_\mu T^A c_R)$	C
V1ddLR_1113	$(\bar{d}_L \gamma^\mu d_L)(\bar{d}_R \gamma_\mu b_R)$	C
V1ddLR_1223	$(\bar{d}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu b_R)$	C
V1ddLR_1311	$(\bar{d}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu d_R)$	C

WC name	Operator	Type
V1ddLR_1322	$(\bar{d}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu s_R)$	C
V1ddLR_1333	$(\bar{d}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu b_R)$	C
V1ddLR_2213	$(\bar{s}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu b_R)$	C
V1ddLR_2312	$(\bar{s}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu s_R)$	C
V1ddLR_3313	$(\bar{b}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu b_R)$	C
V8ddLR_1113	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V8ddLR_1223	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A b_R)$	C
V8ddLR_1311	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A d_R)$	C
V8ddLR_1322	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A s_R)$	C
V8ddLR_1333	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A b_R)$	C
V8ddLR_2213	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V8ddLR_2312	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C
V8ddLR_3313	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A b_R)$	C
V1udduLR_1131	$(\bar{u}_L \gamma^\mu d_L)(\bar{b}_R \gamma_\mu u_R)$	C
V1udduLR_1311	$(\bar{u}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu u_R)$	C
V1udduLR_2132	$(\bar{c}_L \gamma^\mu d_L)(\bar{b}_R \gamma_\mu c_R)$	C
V1udduLR_2312	$(\bar{c}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu c_R)$	C
V8udduLR_1131	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{b}_R \gamma_\mu T^A u_R)$	C
V8udduLR_1311	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A u_R)$	C
V8udduLR_2132	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{b}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2312	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A c_R)$	C
SedRL_1113	$(\bar{e}_L e_R)(\bar{d}_R b_L)$	C
SedRL_1131	$(\bar{e}_L e_R)(\bar{b}_R d_L)$	C
SedRL_2213	$(\bar{\mu}_L \mu_R)(\bar{d}_R b_L)$	C
SedRL_2231	$(\bar{\mu}_L \mu_R)(\bar{b}_R d_L)$	C
SedRL_3313	$(\bar{\tau}_L \tau_R)(\bar{d}_R b_L)$	C
SedRL_3331	$(\bar{\tau}_L \tau_R)(\bar{b}_R d_L)$	C
SedRR_1113	$(\bar{e}_L e_R)(\bar{d}_L b_R)$	C
SedRR_1131	$(\bar{e}_L e_R)(\bar{b}_L d_R)$	C
SedRR_2213	$(\bar{\mu}_L \mu_R)(\bar{d}_L b_R)$	C
SedRR_2231	$(\bar{\mu}_L \mu_R)(\bar{b}_L d_R)$	C
SedRR_3313	$(\bar{\tau}_L \tau_R)(\bar{d}_L b_R)$	C
SedRR_3331	$(\bar{\tau}_L \tau_R)(\bar{b}_L d_R)$	C
TedRR_1113	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C
TedRR_1131	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C
TedRR_2213	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C
TedRR_2231	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3313	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3331	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C
S1udRR_1113	$(\bar{u}_L u_R)(\bar{d}_L b_R)$	C
S1udRR_1131	$(\bar{u}_L u_R)(\bar{b}_L d_R)$	C
S1udRR_2213	$(\bar{c}_L c_R)(\bar{d}_L b_R)$	C

WC name	Operator	Type
S1udRR_2231	$(\bar{c}_L c_R)(\bar{b}_L d_R)$	C
S8udRR_1113	$(\bar{u}_L T^A u_R)(\bar{d}_L T^A b_R)$	C
S8udRR_1131	$(\bar{u}_L T^A u_R)(\bar{b}_L T^A d_R)$	C
S8udRR_2213	$(\bar{c}_L T^A c_R)(\bar{d}_L T^A b_R)$	C
S8udRR_2231	$(\bar{c}_L T^A c_R)(\bar{b}_L T^A d_R)$	C
S1ddRR_1113	$(\bar{d}_L d_R)(\bar{d}_L b_R)$	C
S1ddRR_1131	$(\bar{d}_L d_R)(\bar{b}_L d_R)$	C
S1ddRR_1223	$(\bar{d}_L s_R)(\bar{s}_L b_R)$	C
S1ddRR_1322	$(\bar{d}_L b_R)(\bar{s}_L s_R)$	C
S1ddRR_1333	$(\bar{d}_L b_R)(\bar{b}_L b_R)$	C
S1ddRR_2132	$(\bar{s}_L d_R)(\bar{b}_L s_R)$	C
S1ddRR_2231	$(\bar{s}_L s_R)(\bar{b}_L d_R)$	C
S1ddRR_3133	$(\bar{b}_L d_R)(\bar{b}_L b_R)$	C
S8ddRR_1113	$(\bar{d}_L T^A d_R)(\bar{d}_L T^A b_R)$	C
S8ddRR_1131	$(\bar{d}_L T^A d_R)(\bar{b}_L T^A d_R)$	C
S8ddRR_1223	$(\bar{d}_L T^A s_R)(\bar{s}_L T^A b_R)$	C
S8ddRR_1322	$(\bar{d}_L T^A b_R)(\bar{s}_L T^A s_R)$	C
S8ddRR_1333	$(\bar{d}_L T^A b_R)(\bar{b}_L T^A b_R)$	C
S8ddRR_2132	$(\bar{s}_L T^A d_R)(\bar{b}_L T^A s_R)$	C
S8ddRR_2231	$(\bar{s}_L T^A s_R)(\bar{b}_L T^A d_R)$	C
S8ddRR_3133	$(\bar{b}_L T^A d_R)(\bar{b}_L T^A b_R)$	C
S1udduRR_1131	$(\bar{u}_L d_R)(\bar{b}_L u_R)$	C
S1udduRR_1311	$(\bar{u}_L b_R)(\bar{d}_L u_R)$	C
S1udduRR_2132	$(\bar{c}_L d_R)(\bar{b}_L c_R)$	C
S1udduRR_2312	$(\bar{c}_L b_R)(\bar{d}_L c_R)$	C
S8udduRR_1131	$(\bar{u}_L T^A d_R)(\bar{b}_L T^A u_R)$	C
S8udduRR_1311	$(\bar{u}_L T^A b_R)(\bar{d}_L T^A u_R)$	C
S8udduRR_2132	$(\bar{c}_L T^A d_R)(\bar{b}_L T^A c_R)$	C
S8udduRR_2312	$(\bar{c}_L T^A b_R)(\bar{d}_L T^A c_R)$	C

sd

WC name	Operator	Type
dgamma_12	$\bar{d}_L \sigma^{\mu\nu} s_R F_{\mu\nu}$	C
dgamma_21	$\bar{s}_L \sigma^{\mu\nu} d_R F_{\mu\nu}$	C
dG_12	$\bar{d}_L \sigma^{\mu\nu} T^A s_R G_{\mu\nu}^A$	C
dG_21	$\bar{s}_L \sigma^{\mu\nu} T^A d_R G_{\mu\nu}^A$	C
VedLL_1112	$(\bar{e}_L \gamma^\mu e_L)(\bar{d}_L \gamma_\mu s_L)$	C
VedLL_2212	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{d}_L \gamma_\mu s_L)$	C
VedLL_3312	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu s_L)$	C
VddLL_1112	$(\bar{d}_L \gamma^\mu d_L)(\bar{d}_L \gamma_\mu s_L)$	C

WC name	Operator	Type
VddLL_1222	$(\bar{d}_L \gamma^\mu s_L)(\bar{s}_L \gamma_\mu s_L)$	C
VddLL_1233	$(\bar{d}_L \gamma^\mu s_L)(\bar{b}_L \gamma_\mu b_L)$	C
VddLL_1332	$(\bar{d}_L \gamma^\mu b_L)(\bar{b}_L \gamma_\mu s_L)$	C
V1udLL_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{d}_L \gamma_\mu s_L)$	C
V1udLL_2212	$(\bar{c}_L \gamma^\mu c_L)(\bar{d}_L \gamma_\mu s_L)$	C
V8udLL_1112	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_L \gamma_\mu T^A s_L)$	C
V8udLL_2212	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{d}_L \gamma_\mu T^A s_L)$	C
VedRR_1112	$(\bar{e}_R \gamma^\mu e_R)(\bar{d}_R \gamma_\mu s_R)$	C
VedRR_2212	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{d}_R \gamma_\mu s_R)$	C
VedRR_3312	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu s_R)$	C
VddRR_1112	$(\bar{d}_R \gamma^\mu d_R)(\bar{d}_R \gamma_\mu s_R)$	C
VddRR_1222	$(\bar{d}_R \gamma^\mu s_R)(\bar{s}_R \gamma_\mu s_R)$	C
VddRR_1233	$(\bar{d}_R \gamma^\mu s_R)(\bar{b}_R \gamma_\mu b_R)$	C
VddRR_1332	$(\bar{d}_R \gamma^\mu b_R)(\bar{b}_R \gamma_\mu s_R)$	C
V1udRR_1112	$(\bar{u}_R \gamma^\mu u_R)(\bar{d}_R \gamma_\mu s_R)$	C
V1udRR_2212	$(\bar{c}_R \gamma^\mu c_R)(\bar{d}_R \gamma_\mu s_R)$	C
V8udRR_1112	$(\bar{u}_R \gamma^\mu T^A u_R)(\bar{d}_R \gamma_\mu T^A s_R)$	C
V8udRR_2212	$(\bar{c}_R \gamma^\mu T^A c_R)(\bar{d}_R \gamma_\mu T^A s_R)$	C
VedLR_1112	$(\bar{e}_L \gamma^\mu e_L)(\bar{d}_R \gamma_\mu s_R)$	C
VedLR_2212	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{d}_R \gamma_\mu s_R)$	C
VedLR_3312	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu s_R)$	C
VdeLR_1211	$(\bar{d}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu e_R)$	C
VdeLR_1222	$(\bar{d}_L \gamma^\mu s_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VdeLR_1233	$(\bar{d}_L \gamma^\mu s_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
V1udLR_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{d}_R \gamma_\mu s_R)$	C
V1udLR_2212	$(\bar{c}_L \gamma^\mu c_L)(\bar{d}_R \gamma_\mu s_R)$	C
V8udLR_1112	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C
V8udLR_2212	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C
V1duLR_1211	$(\bar{d}_L \gamma^\mu s_L)(\bar{u}_R \gamma_\mu u_R)$	C
V1duLR_1222	$(\bar{d}_L \gamma^\mu s_L)(\bar{c}_R \gamma_\mu c_R)$	C
V8duLR_1211	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{u}_R \gamma_\mu T^A u_R)$	C
V8duLR_1222	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{c}_R \gamma_\mu T^A c_R)$	C
V1ddLR_1112	$(\bar{d}_L \gamma^\mu d_L)(\bar{d}_R \gamma_\mu s_R)$	C
V1ddLR_1211	$(\bar{d}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu d_R)$	C
V1ddLR_1222	$(\bar{d}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu s_R)$	C
V1ddLR_1233	$(\bar{d}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu b_R)$	C
V1ddLR_1332	$(\bar{d}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu s_R)$	C
V1ddLR_2212	$(\bar{s}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu s_R)$	C
V1ddLR_2331	$(\bar{s}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu d_R)$	C
V1ddLR_3312	$(\bar{b}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu s_R)$	C
V8ddLR_1112	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C
V8ddLR_1211	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A d_R)$	C

WC name	Operator	Type
V8ddLR_1222	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A s_R)$	C
V8ddLR_1233	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A b_R)$	C
V8ddLR_1332	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A s_R)$	C
V8ddLR_2212	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C
V8ddLR_2331	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A d_R)$	C
V8ddLR_3312	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A s_R)$	C
V1udduLR_1121	$(\bar{u}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu u_R)$	C
V1udduLR_1211	$(\bar{u}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu u_R)$	C
V1udduLR_2122	$(\bar{c}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu c_R)$	C
V1udduLR_2212	$(\bar{c}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu c_R)$	C
V8udduLR_1121	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A u_R)$	C
V8udduLR_1211	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A u_R)$	C
V8udduLR_2122	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2212	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A c_R)$	C
SedRL_1112	$(\bar{e}_L e_R)(\bar{d}_R s_L)$	C
SedRL_1121	$(\bar{e}_L e_R)(\bar{s}_R d_L)$	C
SedRL_2212	$(\bar{\mu}_L \mu_R)(\bar{d}_R s_L)$	C
SedRL_2221	$(\bar{\mu}_L \mu_R)(\bar{s}_R d_L)$	C
SedRL_3312	$(\bar{\tau}_L \tau_R)(\bar{d}_R s_L)$	C
SedRL_3321	$(\bar{\tau}_L \tau_R)(\bar{s}_R d_L)$	C
SedRR_1112	$(\bar{e}_L e_R)(\bar{d}_L s_R)$	C
SedRR_1121	$(\bar{e}_L e_R)(\bar{s}_L d_R)$	C
SedRR_2212	$(\bar{\mu}_L \mu_R)(\bar{d}_L s_R)$	C
SedRR_2221	$(\bar{\mu}_L \mu_R)(\bar{s}_L d_R)$	C
SedRR_3312	$(\bar{\tau}_L \tau_R)(\bar{d}_L s_R)$	C
SedRR_3321	$(\bar{\tau}_L \tau_R)(\bar{s}_L d_R)$	C
TedRR_1112	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C
TedRR_1121	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C
TedRR_2212	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C
TedRR_2221	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3312	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3321	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C
S1udRR_1112	$(\bar{u}_L u_R)(\bar{d}_L s_R)$	C
S1udRR_1121	$(\bar{u}_L u_R)(\bar{s}_L d_R)$	C
S1udRR_2212	$(\bar{c}_L c_R)(\bar{d}_L s_R)$	C
S1udRR_2221	$(\bar{c}_L c_R)(\bar{s}_L d_R)$	C
S8udRR_1112	$(\bar{u}_L T^A u_R)(\bar{d}_L T^A s_R)$	C
S8udRR_1121	$(\bar{u}_L T^A u_R)(\bar{s}_L T^A d_R)$	C
S8udRR_2212	$(\bar{c}_L T^A c_R)(\bar{d}_L T^A s_R)$	C
S8udRR_2221	$(\bar{c}_L T^A c_R)(\bar{s}_L T^A d_R)$	C
S1ddRR_1112	$(\bar{d}_L d_R)(\bar{d}_L s_R)$	C
S1ddRR_1121	$(\bar{d}_L d_R)(\bar{s}_L d_R)$	C
S1ddRR_1222	$(\bar{d}_L s_R)(\bar{s}_L s_R)$	C

WC name	Operator	Type
S1ddRR_1233	$(\bar{d}_L s_R)(\bar{b}_L b_R)$	C
S1ddRR_1332	$(\bar{d}_L b_R)(\bar{b}_L s_R)$	C
S1ddRR_2122	$(\bar{s}_L d_R)(\bar{s}_L s_R)$	C
S1ddRR_2133	$(\bar{s}_L d_R)(\bar{b}_L b_R)$	C
S1ddRR_2331	$(\bar{s}_L b_R)(\bar{b}_L d_R)$	C
S8ddRR_1112	$(\bar{d}_L T^A d_R)(\bar{d}_L T^A s_R)$	C
S8ddRR_1121	$(\bar{d}_L T^A d_R)(\bar{s}_L T^A d_R)$	C
S8ddRR_1222	$(\bar{d}_L T^A s_R)(\bar{s}_L T^A s_R)$	C
S8ddRR_1233	$(\bar{d}_L T^A s_R)(\bar{b}_L T^A b_R)$	C
S8ddRR_1332	$(\bar{d}_L T^A b_R)(\bar{b}_L T^A s_R)$	C
S8ddRR_2122	$(\bar{s}_L T^A d_R)(\bar{s}_L T^A s_R)$	C
S8ddRR_2133	$(\bar{s}_L T^A d_R)(\bar{b}_L T^A b_R)$	C
S8ddRR_2331	$(\bar{s}_L T^A b_R)(\bar{b}_L T^A d_R)$	C
S1udduRR_1121	$(\bar{u}_L d_R)(\bar{s}_L u_R)$	C
S1udduRR_1211	$(\bar{u}_L s_R)(\bar{d}_L u_R)$	C
S1udduRR_2122	$(\bar{c}_L d_R)(\bar{s}_L c_R)$	C
S1udduRR_2212	$(\bar{c}_L s_R)(\bar{d}_L c_R)$	C
S8udduRR_1121	$(\bar{u}_L T^A d_R)(\bar{s}_L T^A u_R)$	C
S8udduRR_1211	$(\bar{u}_L T^A s_R)(\bar{d}_L T^A u_R)$	C
S8udduRR_2122	$(\bar{c}_L T^A d_R)(\bar{s}_L T^A c_R)$	C
S8udduRR_2212	$(\bar{c}_L T^A s_R)(\bar{d}_L T^A c_R)$	C

cu

WC name	Operator	Type
ugamma_12	$\bar{u}_L \sigma^{\mu\nu} c_R F_{\mu\nu}$	C
ugamma_21	$\bar{c}_L \sigma^{\mu\nu} u_R F_{\mu\nu}$	C
uG_12	$\bar{u}_L \sigma^{\mu\nu} T^A c_R G_{\mu\nu}^A$	C
uG_21	$\bar{c}_L \sigma^{\mu\nu} T^A u_R G_{\mu\nu}^A$	C
VeULL_1112	$(\bar{e}_L \gamma^\mu e_L)(\bar{u}_L \gamma_\mu c_L)$	C
VeULL_2212	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{u}_L \gamma_\mu c_L)$	C
VeULL_3312	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{u}_L \gamma_\mu c_L)$	C
VuULL_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{u}_L \gamma_\mu c_L)$	C
VuULL_1222	$(\bar{u}_L \gamma^\mu c_L)(\bar{c}_L \gamma_\mu c_L)$	C
V1udLL_1211	$(\bar{u}_L \gamma^\mu c_L)(\bar{d}_L \gamma_\mu d_L)$	C
V1udLL_1222	$(\bar{u}_L \gamma^\mu c_L)(\bar{s}_L \gamma_\mu s_L)$	C
V1udLL_1233	$(\bar{u}_L \gamma^\mu c_L)(\bar{b}_L \gamma_\mu b_L)$	C
V8udLL_1211	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{d}_L \gamma_\mu T^A d_L)$	C
V8udLL_1222	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{s}_L \gamma_\mu T^A s_L)$	C
V8udLL_1233	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{b}_L \gamma_\mu T^A b_L)$	C
VeRR_1112	$(\bar{e}_R \gamma^\mu e_R)(\bar{u}_R \gamma_\mu c_R)$	C

WC name	Operator	Type
VeuRR_2212	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu c_R)$	C
VeuRR_3312	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{u}_R \gamma_\mu c_R)$	C
VuuRR_1112	$(\bar{u}_R \gamma^\mu u_R)(\bar{u}_R \gamma_\mu c_R)$	C
VuuRR_1222	$(\bar{u}_R \gamma^\mu c_R)(\bar{c}_R \gamma_\mu c_R)$	C
V1udRR_1211	$(\bar{u}_R \gamma^\mu c_R)(\bar{d}_R \gamma_\mu d_R)$	C
V1udRR_1222	$(\bar{u}_R \gamma^\mu c_R)(\bar{s}_R \gamma_\mu s_R)$	C
V1udRR_1233	$(\bar{u}_R \gamma^\mu c_R)(\bar{b}_R \gamma_\mu b_R)$	C
V8udRR_1211	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{d}_R \gamma_\mu T^A d_R)$	C
V8udRR_1222	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{s}_R \gamma_\mu T^A s_R)$	C
V8udRR_1233	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{b}_R \gamma_\mu T^A b_R)$	C
VeuLR_1112	$(\bar{e}_L \gamma^\mu e_L)(\bar{u}_R \gamma_\mu c_R)$	C
VeuLR_2212	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{u}_R \gamma_\mu c_R)$	C
VeuLR_3312	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{u}_R \gamma_\mu c_R)$	C
VueLR_1211	$(\bar{u}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu e_R)$	C
VueLR_1222	$(\bar{u}_L \gamma^\mu c_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VueLR_1233	$(\bar{u}_L \gamma^\mu c_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
V1uuLR_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{u}_R \gamma_\mu c_R)$	C
V1uuLR_1211	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_R \gamma_\mu u_R)$	C
V1uuLR_1222	$(\bar{u}_L \gamma^\mu c_L)(\bar{c}_R \gamma_\mu c_R)$	C
V1uuLR_2212	$(\bar{c}_L \gamma^\mu c_L)(\bar{u}_R \gamma_\mu c_R)$	C
V8uuLR_1112	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
V8uuLR_1211	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{u}_R \gamma_\mu T^A u_R)$	C
V8uuLR_1222	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{c}_R \gamma_\mu T^A c_R)$	C
V8uuLR_2212	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
V1udLR_1211	$(\bar{u}_L \gamma^\mu c_L)(\bar{d}_R \gamma_\mu d_R)$	C
V1udLR_1222	$(\bar{u}_L \gamma^\mu c_L)(\bar{s}_R \gamma_\mu s_R)$	C
V1udLR_1233	$(\bar{u}_L \gamma^\mu c_L)(\bar{b}_R \gamma_\mu b_R)$	C
V8udLR_1211	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{d}_R \gamma_\mu T^A d_R)$	C
V8udLR_1222	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{s}_R \gamma_\mu T^A s_R)$	C
V8udLR_1233	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{b}_R \gamma_\mu T^A b_R)$	C
V1duLR_1112	$(\bar{d}_L \gamma^\mu d_L)(\bar{u}_R \gamma_\mu c_R)$	C
V1duLR_2212	$(\bar{s}_L \gamma^\mu s_L)(\bar{u}_R \gamma_\mu c_R)$	C
V1duLR_3312	$(\bar{b}_L \gamma^\mu b_L)(\bar{u}_R \gamma_\mu c_R)$	C
V8duLR_1112	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
V8duLR_2212	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
V8duLR_3312	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{u}_R \gamma_\mu T^A c_R)$	C
V1udduLR_1112	$(\bar{u}_L \gamma^\mu d_L)(\bar{d}_R \gamma_\mu c_R)$	C
V1udduLR_1222	$(\bar{u}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu c_R)$	C
V1udduLR_1332	$(\bar{u}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu c_R)$	C
V1udduLR_2111	$(\bar{c}_L \gamma^\mu d_L)(\bar{d}_R \gamma_\mu u_R)$	C
V1udduLR_2221	$(\bar{c}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu u_R)$	C
V1udduLR_2331	$(\bar{c}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu u_R)$	C
V8udduLR_1112	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A c_R)$	C

WC name	Operator	Type
V8udduLR_1222	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A c_R)$	C
V8udduLR_1332	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2111	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A u_R)$	C
V8udduLR_2221	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A u_R)$	C
V8udduLR_2331	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A u_R)$	C
SeuRL_1112	$(\bar{e}_L e_R)(\bar{u}_R c_L)$	C
SeuRL_1121	$(\bar{e}_L e_R)(\bar{c}_R u_L)$	C
SeuRL_2212	$(\bar{\mu}_L \mu_R)(\bar{u}_R c_L)$	C
SeuRL_2221	$(\bar{\mu}_L \mu_R)(\bar{c}_R u_L)$	C
SeuRL_3312	$(\bar{\tau}_L \tau_R)(\bar{u}_R c_L)$	C
SeuRL_3321	$(\bar{\tau}_L \tau_R)(\bar{c}_R u_L)$	C
SeuRR_1112	$(\bar{e}_L e_R)(\bar{u}_L c_R)$	C
SeuRR_1121	$(\bar{e}_L e_R)(\bar{c}_L u_R)$	C
SeuRR_2212	$(\bar{\mu}_L \mu_R)(\bar{u}_L c_R)$	C
SeuRR_2221	$(\bar{\mu}_L \mu_R)(\bar{c}_L u_R)$	C
SeuRR_3312	$(\bar{\tau}_L \tau_R)(\bar{u}_L c_R)$	C
SeuRR_3321	$(\bar{\tau}_L \tau_R)(\bar{c}_L u_R)$	C
TeuRR_1112	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_1121	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_2212	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_2221	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_3312	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_3321	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C
S1uuRR_1112	$(\bar{u}_L u_R)(\bar{u}_L c_R)$	C
S1uuRR_1121	$(\bar{u}_L u_R)(\bar{c}_L u_R)$	C
S1uuRR_1222	$(\bar{u}_L c_R)(\bar{c}_L c_R)$	C
S1uuRR_2122	$(\bar{c}_L u_R)(\bar{c}_L c_R)$	C
S8uuRR_1112	$(\bar{u}_L T^A u_R)(\bar{u}_L T^A c_R)$	C
S8uuRR_1121	$(\bar{u}_L T^A u_R)(\bar{c}_L T^A u_R)$	C
S8uuRR_1222	$(\bar{u}_L T^A c_R)(\bar{c}_L T^A c_R)$	C
S8uuRR_2122	$(\bar{c}_L T^A u_R)(\bar{c}_L T^A c_R)$	C
S1udRR_1211	$(\bar{u}_L c_R)(\bar{d}_L d_R)$	C
S1udRR_1222	$(\bar{u}_L c_R)(\bar{s}_L s_R)$	C
S1udRR_1233	$(\bar{u}_L c_R)(\bar{b}_L b_R)$	C
S1udRR_2111	$(\bar{c}_L u_R)(\bar{d}_L d_R)$	C
S1udRR_2122	$(\bar{c}_L u_R)(\bar{s}_L s_R)$	C
S1udRR_2133	$(\bar{c}_L u_R)(\bar{b}_L b_R)$	C
S8udRR_1211	$(\bar{u}_L T^A c_R)(\bar{d}_L T^A d_R)$	C
S8udRR_1222	$(\bar{u}_L T^A c_R)(\bar{s}_L T^A s_R)$	C
S8udRR_1233	$(\bar{u}_L T^A c_R)(\bar{b}_L T^A b_R)$	C
S8udRR_2111	$(\bar{c}_L T^A u_R)(\bar{d}_L T^A d_R)$	C
S8udRR_2122	$(\bar{c}_L T^A u_R)(\bar{s}_L T^A s_R)$	C
S8udRR_2133	$(\bar{c}_L T^A u_R)(\bar{b}_L T^A b_R)$	C



WC name	Operator	Type
S1udduRR_1112	$(\bar{u}_L d_R)(\bar{d}_L c_R)$	C
S1udduRR_1222	$(\bar{u}_L s_R)(\bar{s}_L c_R)$	C
S1udduRR_1332	$(\bar{u}_L b_R)(\bar{b}_L c_R)$	C
S1udduRR_2111	$(\bar{c}_L d_R)(\bar{d}_L u_R)$	C
S1udduRR_2221	$(\bar{c}_L s_R)(\bar{s}_L u_R)$	C
S1udduRR_2331	$(\bar{c}_L b_R)(\bar{b}_L u_R)$	C
S8udduRR_1112	$(\bar{u}_L T^A d_R)(\bar{d}_L T^A c_R)$	C
S8udduRR_1222	$(\bar{u}_L T^A s_R)(\bar{s}_L T^A c_R)$	C
S8udduRR_1332	$(\bar{u}_L T^A b_R)(\bar{b}_L T^A c_R)$	C
S8udduRR_2111	$(\bar{c}_L T^A d_R)(\bar{d}_L T^A u_R)$	C
S8udduRR_2221	$(\bar{c}_L T^A s_R)(\bar{s}_L T^A u_R)$	C
S8udduRR_2331	$(\bar{c}_L T^A b_R)(\bar{b}_L T^A u_R)$	C

**sbemu**

WC name	Operator	Type
VedLL_1223	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{s}_L \gamma_\mu b_L)$	C
VedRR_1223	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{s}_R \gamma_\mu b_R)$	C
VedLR_1223	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{s}_R \gamma_\mu b_R)$	C
VdeLR_2312	$(\bar{s}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
SedRL_1223	$(\bar{e}_L \mu_R)(\bar{s}_R b_L)$	C
SedRL_2132	$(\bar{\mu}_L e_R)(\bar{b}_R s_L)$	C
SedRR_1223	$(\bar{e}_L \mu_R)(\bar{s}_L b_R)$	C
SedRR_2132	$(\bar{\mu}_L e_R)(\bar{b}_L s_R)$	C
TedRR_1223	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C
TedRR_2132	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C

**sbmue**

WC name	Operator	Type
VedLL_1232	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{b}_L \gamma_\mu s_L)$	C
VedRR_1232	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{b}_R \gamma_\mu s_R)$	C
VedLR_1232	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{b}_R \gamma_\mu s_R)$	C
VdeLR_2321	$(\bar{s}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu e_R)$	C
SedRL_1232	$(\bar{e}_L \mu_R)(\bar{b}_R s_L)$	C
SedRL_2123	$(\bar{\mu}_L e_R)(\bar{s}_R b_L)$	C
SedRR_1232	$(\bar{e}_L \mu_R)(\bar{b}_L s_R)$	C
SedRR_2123	$(\bar{\mu}_L e_R)(\bar{s}_L b_R)$	C
TedRR_1232	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C

WC name	Operator	Type
TedRR_2123	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C

#### sbetau

WC name	Operator	Type
VedLL_1323	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu b_L)$	C
VedRR_1323	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu b_R)$	C
VedLR_1323	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu b_R)$	C
VdeLR_2313	$(\bar{s}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
SedRL_1323	$(\bar{e}_L \tau_R)(\bar{s}_R b_L)$	C
SedRL_3132	$(\bar{\tau}_L e_R)(\bar{b}_R s_L)$	C
SedRR_1323	$(\bar{e}_L \tau_R)(\bar{s}_L b_R)$	C
SedRR_3132	$(\bar{\tau}_L e_R)(\bar{b}_L s_R)$	C
TedRR_1323	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3132	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C

#### sbtaue

WC name	Operator	Type
VedLL_1332	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{b}_L \gamma_\mu s_L)$	C
VedRR_1332	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{b}_R \gamma_\mu s_R)$	C
VedLR_1332	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{b}_R \gamma_\mu s_R)$	C
VdeLR_2331	$(\bar{s}_L \gamma^\mu b_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
SedRL_1332	$(\bar{e}_L \tau_R)(\bar{b}_R s_L)$	C
SedRL_3123	$(\bar{\tau}_L e_R)(\bar{s}_R b_L)$	C
SedRR_1332	$(\bar{e}_L \tau_R)(\bar{b}_L s_R)$	C
SedRR_3123	$(\bar{\tau}_L e_R)(\bar{s}_L b_R)$	C
TedRR_1332	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3123	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C

#### sbmutau

WC name	Operator	Type
VedLL_2323	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu b_L)$	C
VedRR_2323	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu b_R)$	C
VedLR_2323	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu b_R)$	C
VdeLR_2323	$(\bar{s}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
SedRL_2323	$(\bar{\mu}_L \tau_R)(\bar{s}_R b_L)$	C

WC name	Operator	Type
SedRL_3232	$(\bar{\tau}_L \mu_R)(\bar{b}_R s_L)$	C
SedRR_2323	$(\bar{\mu}_L \tau_R)(\bar{s}_L b_R)$	C
SedRR_3232	$(\bar{\tau}_L \mu_R)(\bar{b}_L s_R)$	C
TedRR_2323	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3232	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C

#### sbtaumu

WC name	Operator	Type
VedLL_2332	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{b}_L \gamma_\mu s_L)$	C
VedRR_2332	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{b}_R \gamma_\mu s_R)$	C
VedLR_2332	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{b}_R \gamma_\mu s_R)$	C
VdeLR_2332	$(\bar{s}_L \gamma^\mu b_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
SedRL_2332	$(\bar{\mu}_L \tau_R)(\bar{b}_R s_L)$	C
SedRL_3223	$(\bar{\tau}_L \mu_R)(\bar{s}_R b_L)$	C
SedRR_2332	$(\bar{\mu}_L \tau_R)(\bar{b}_L s_R)$	C
SedRR_3223	$(\bar{\tau}_L \mu_R)(\bar{s}_L b_R)$	C
TedRR_2332	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3223	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} b_R)$	C

#### dbemu

WC name	Operator	Type
VedLL_1213	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{d}_L \gamma_\mu b_L)$	C
VedRR_1213	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{d}_R \gamma_\mu b_R)$	C
VedLR_1213	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{d}_R \gamma_\mu b_R)$	C
VdeLR_1312	$(\bar{d}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
SedRL_1213	$(\bar{e}_L \mu_R)(\bar{d}_R b_L)$	C
SedRL_2131	$(\bar{\mu}_L e_R)(\bar{b}_R d_L)$	C
SedRR_1213	$(\bar{e}_L \mu_R)(\bar{d}_L b_R)$	C
SedRR_2131	$(\bar{\mu}_L e_R)(\bar{b}_L d_R)$	C
TedRR_1213	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C
TedRR_2131	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C

#### dbmue

WC name	Operator	Type
VedLL_1231	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{b}_L \gamma_\mu d_L)$	C

WC name	Operator	Type
VedRR_1231	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{b}_R \gamma_\mu d_R)$	C
VedLR_1231	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{b}_R \gamma_\mu d_R)$	C
VdeLR_1321	$(\bar{d}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu e_R)$	C
SedRL_1231	$(\bar{e}_L \mu_R)(\bar{b}_R d_L)$	C
SedRL_2113	$(\bar{\mu}_L e_R)(\bar{d}_R b_L)$	C
SedRR_1231	$(\bar{e}_L \mu_R)(\bar{b}_L d_R)$	C
SedRR_2113	$(\bar{\mu}_L e_R)(\bar{d}_L b_R)$	C
TedRR_1231	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C
TedRR_2113	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C

#### dbetau

WC name	Operator	Type
VedLL_1313	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu b_L)$	C
VedRR_1313	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu b_R)$	C
VedLR_1313	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu b_R)$	C
VdeLR_1313	$(\bar{d}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
SedRL_1313	$(\bar{e}_L \tau_R)(\bar{d}_R b_L)$	C
SedRL_3131	$(\bar{\tau}_L e_R)(\bar{b}_R d_L)$	C
SedRR_1313	$(\bar{e}_L \tau_R)(\bar{d}_L b_R)$	C
SedRR_3131	$(\bar{\tau}_L e_R)(\bar{b}_L d_R)$	C
TedRR_1313	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3131	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C

#### dbtaue

WC name	Operator	Type
VedLL_1331	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{b}_L \gamma_\mu d_L)$	C
VedRR_1331	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{b}_R \gamma_\mu d_R)$	C
VedLR_1331	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{b}_R \gamma_\mu d_R)$	C
VdeLR_1331	$(\bar{d}_L \gamma^\mu b_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
SedRL_1331	$(\bar{e}_L \tau_R)(\bar{b}_R d_L)$	C
SedRL_3113	$(\bar{\tau}_L e_R)(\bar{d}_R b_L)$	C
SedRR_1331	$(\bar{e}_L \tau_R)(\bar{b}_L d_R)$	C
SedRR_3113	$(\bar{\tau}_L e_R)(\bar{d}_L b_R)$	C
TedRR_1331	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3113	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C

dbmutau

WC name	Operator	Type
VedLL_2313	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu b_L)$	C
VedRR_2313	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu b_R)$	C
VedLR_2313	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu b_R)$	C
VdeLR_1323	$(\bar{d}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
SedRL_2313	$(\bar{\mu}_L \tau_R)(\bar{d}_R b_L)$	C
SedRL_3231	$(\bar{\tau}_L \mu_R)(\bar{b}_R d_L)$	C
SedRR_2313	$(\bar{\mu}_L \tau_R)(\bar{d}_L b_R)$	C
SedRR_3231	$(\bar{\tau}_L \mu_R)(\bar{b}_L d_R)$	C
TedRR_2313	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3231	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C

dbtaumu

WC name	Operator	Type
VedLL_2331	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{b}_L \gamma_\mu d_L)$	C
VedRR_2331	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{b}_R \gamma_\mu d_R)$	C
VedLR_2331	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{b}_R \gamma_\mu d_R)$	C
VdeLR_1332	$(\bar{d}_L \gamma^\mu b_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
SedRL_2331	$(\bar{\mu}_L \tau_R)(\bar{b}_R d_L)$	C
SedRL_3213	$(\bar{\tau}_L \mu_R)(\bar{d}_R b_L)$	C
SedRR_2331	$(\bar{\mu}_L \tau_R)(\bar{b}_L d_R)$	C
SedRR_3213	$(\bar{\tau}_L \mu_R)(\bar{d}_L b_R)$	C
TedRR_2331	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3213	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} b_R)$	C

sdemu

WC name	Operator	Type
VedLL_1221	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{s}_L \gamma_\mu d_L)$	C
VedRR_1221	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{s}_R \gamma_\mu d_R)$	C
VedLR_1221	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{s}_R \gamma_\mu d_R)$	C
VdeLR_1221	$(\bar{d}_L \gamma^\mu s_L)(\bar{\mu}_R \gamma_\mu e_R)$	C
SedRL_1221	$(\bar{e}_L \mu_R)(\bar{s}_R d_L)$	C
SedRL_2112	$(\bar{\mu}_L e_R)(\bar{d}_R s_L)$	C
SedRR_1221	$(\bar{e}_L \mu_R)(\bar{s}_L d_R)$	C
SedRR_2112	$(\bar{\mu}_L e_R)(\bar{d}_L s_R)$	C
TedRR_1221	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C

WC name	Operator	Type
TedRR_2112	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C

**sdmue**

WC name	Operator	Type
VedLL_1212	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{d}_L \gamma_\mu s_L)$	C
VedRR_1212	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{d}_R \gamma_\mu s_R)$	C
VedLR_1212	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{d}_R \gamma_\mu s_R)$	C
VdeLR_1212	$(\bar{d}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
SedRL_1212	$(\bar{e}_L \mu_R)(\bar{d}_R s_L)$	C
SedRL_2121	$(\bar{\mu}_L e_R)(\bar{s}_R d_L)$	C
SedRR_1212	$(\bar{e}_L \mu_R)(\bar{d}_L s_R)$	C
SedRR_2121	$(\bar{\mu}_L e_R)(\bar{s}_L d_R)$	C
TedRR_1212	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C
TedRR_2121	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C

**sdetau**

WC name	Operator	Type
VedLL_1321	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu d_L)$	C
VedRR_1321	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu d_R)$	C
VedLR_1321	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu d_R)$	C
VdeLR_1231	$(\bar{d}_L \gamma^\mu s_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
SedRL_1321	$(\bar{e}_L \tau_R)(\bar{s}_R d_L)$	C
SedRL_3112	$(\bar{\tau}_L e_R)(\bar{d}_R s_L)$	C
SedRR_1321	$(\bar{e}_L \tau_R)(\bar{s}_L d_R)$	C
SedRR_3112	$(\bar{\tau}_L e_R)(\bar{d}_L s_R)$	C
TedRR_1321	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3112	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C

**sdtaue**

WC name	Operator	Type
VedLL_1312	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu s_L)$	C
VedRR_1312	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu s_R)$	C
VedLR_1312	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu s_R)$	C
VdeLR_1213	$(\bar{d}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
SedRL_1312	$(\bar{e}_L \tau_R)(\bar{d}_R s_L)$	C

WC name	Operator	Type
SedRL_3121	$(\bar{\tau}_L e_R)(\bar{s}_R d_L)$	C
SedRR_1312	$(\bar{e}_L \tau_R)(\bar{d}_L s_R)$	C
SedRR_3121	$(\bar{\tau}_L e_R)(\bar{s}_L d_R)$	C
TedRR_1312	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3121	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C

#### sdmutau

WC name	Operator	Type
VedLL_2321	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu d_L)$	C
VedRR_2321	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu d_R)$	C
VedLR_2321	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu d_R)$	C
VdeLR_1232	$(\bar{d}_L \gamma^\mu s_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
SedRL_2321	$(\bar{\mu}_L \tau_R)(\bar{s}_R d_L)$	C
SedRL_3212	$(\bar{\tau}_L \mu_R)(\bar{d}_R s_L)$	C
SedRR_2321	$(\bar{\mu}_L \tau_R)(\bar{s}_L d_R)$	C
SedRR_3212	$(\bar{\tau}_L \mu_R)(\bar{d}_L s_R)$	C
TedRR_2321	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3212	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C

#### sdtaumu

WC name	Operator	Type
VedLL_2312	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu s_L)$	C
VedRR_2312	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu s_R)$	C
VedLR_2312	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu s_R)$	C
VdeLR_1223	$(\bar{d}_L \gamma^\mu s_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
SedRL_2312	$(\bar{\mu}_L \tau_R)(\bar{d}_R s_L)$	C
SedRL_3221	$(\bar{\tau}_L \mu_R)(\bar{s}_R d_L)$	C
SedRR_2312	$(\bar{\mu}_L \tau_R)(\bar{d}_L s_R)$	C
SedRR_3221	$(\bar{\tau}_L \mu_R)(\bar{s}_L d_R)$	C
TedRR_2312	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3221	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} d_R)$	C

#### cuemu

WC name	Operator	Type
VeuLL_1221	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{c}_L \gamma_\mu u_L)$	C

WC name	Operator	Type
VeRR_1221	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{c}_R \gamma_\mu u_R)$	C
VeLR_1221	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{c}_R \gamma_\mu u_R)$	C
VuLR_1221	$(\bar{u}_L \gamma^\mu c_L)(\bar{\mu}_R \gamma_\mu e_R)$	C
SeuRL_1221	$(\bar{e}_L \mu_R)(\bar{c}_R u_L)$	C
SeuRL_2112	$(\bar{\mu}_L e_R)(\bar{u}_R c_L)$	C
SeuRR_1221	$(\bar{e}_L \mu_R)(\bar{c}_L u_R)$	C
SeuRR_2112	$(\bar{\mu}_L e_R)(\bar{u}_L c_R)$	C
TeuRR_1221	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_2112	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C

**cumue**

WC name	Operator	Type
VeULL_1212	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_L \gamma_\mu c_L)$	C
VeRR_1212	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu c_R)$	C
VeLR_1212	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_R \gamma_\mu c_R)$	C
VuLR_1212	$(\bar{u}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
SeuRL_1212	$(\bar{e}_L \mu_R)(\bar{u}_R c_L)$	C
SeuRL_2121	$(\bar{\mu}_L e_R)(\bar{c}_R u_L)$	C
SeuRR_1212	$(\bar{e}_L \mu_R)(\bar{u}_L c_R)$	C
SeuRR_2121	$(\bar{\mu}_L e_R)(\bar{c}_L u_R)$	C
TeuRR_1212	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_2121	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C

**cuetau**

WC name	Operator	Type
VeULL_1321	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu u_L)$	C
VeRR_1321	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{c}_R \gamma_\mu u_R)$	C
VeLR_1321	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{c}_R \gamma_\mu u_R)$	C
VuLR_1231	$(\bar{u}_L \gamma^\mu c_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
SeuRL_1321	$(\bar{e}_L \tau_R)(\bar{c}_R u_L)$	C
SeuRL_3112	$(\bar{\tau}_L e_R)(\bar{u}_R c_L)$	C
SeuRR_1321	$(\bar{e}_L \tau_R)(\bar{c}_L u_R)$	C
SeuRR_3112	$(\bar{\tau}_L e_R)(\bar{u}_L c_R)$	C
TeuRR_1321	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_3112	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C

**cutaue**



WC name	Operator	Type
VeULL_1312	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{u}_L \gamma_\mu c_L)$	C
VeURR_1312	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{u}_R \gamma_\mu c_R)$	C
VeULR_1312	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{u}_R \gamma_\mu c_R)$	C
VueLR_1213	$(\bar{u}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
SeuRL_1312	$(\bar{e}_L \tau_R)(\bar{u}_R c_L)$	C
SeuRL_3121	$(\bar{\tau}_L e_R)(\bar{c}_R u_L)$	C
SeuRR_1312	$(\bar{e}_L \tau_R)(\bar{u}_L c_R)$	C
SeuRR_3121	$(\bar{\tau}_L e_R)(\bar{c}_L u_R)$	C
TeuRR_1312	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_3121	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C

#### cumutau

WC name	Operator	Type
VeULL_2321	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu u_L)$	C
VeURR_2321	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{c}_R \gamma_\mu u_R)$	C
VeULR_2321	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_R \gamma_\mu u_R)$	C
VueLR_1232	$(\bar{u}_L \gamma^\mu c_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
SeuRL_2321	$(\bar{\mu}_L \tau_R)(\bar{c}_R u_L)$	C
SeuRL_3212	$(\bar{\tau}_L \mu_R)(\bar{u}_R c_L)$	C
SeuRR_2321	$(\bar{\mu}_L \tau_R)(\bar{c}_L u_R)$	C
SeuRR_3212	$(\bar{\tau}_L \mu_R)(\bar{u}_L c_R)$	C
TeuRR_2321	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_3212	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C

#### cutaumu

WC name	Operator	Type
VeULL_2312	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{u}_L \gamma_\mu c_L)$	C
VeURR_2312	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{u}_R \gamma_\mu c_R)$	C
VeULR_2312	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{u}_R \gamma_\mu c_R)$	C
VueLR_1223	$(\bar{u}_L \gamma^\mu c_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
SeuRL_2312	$(\bar{\mu}_L \tau_R)(\bar{u}_R c_L)$	C
SeuRL_3221	$(\bar{\tau}_L \mu_R)(\bar{c}_R u_L)$	C
SeuRR_2312	$(\bar{\mu}_L \tau_R)(\bar{u}_L c_R)$	C
SeuRR_3221	$(\bar{\tau}_L \mu_R)(\bar{c}_L u_R)$	C
TeuRR_2312	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_3221	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	C

mutau

WC name	Operator	Type
egamma_23	$\bar{\mu}_L \sigma^{\mu\nu} \tau_R F_{\mu\nu}$	C
egamma_32	$\bar{\tau}_L \sigma^{\mu\nu} \mu_R F_{\mu\nu}$	C
VeeLL_1123	$(\bar{e}_L \gamma^\mu e_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
VeeLL_2223	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
VeeLL_2333	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\tau}_L \gamma_\mu \tau_L)$	C
VnueLL_1123	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{\mu}_L \gamma_\mu \tau_L)$	C
VnueLL_2223	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{\mu}_L \gamma_\mu \tau_L)$	C
VnueLL_3323	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{\mu}_L \gamma_\mu \tau_L)$	C
VeULL_2311	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{u}_L \gamma_\mu u_L)$	C
VeULL_2322	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu c_L)$	C
VedLL_2311	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu d_L)$	C
VedLL_2322	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu s_L)$	C
VedLL_2333	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{b}_L \gamma_\mu b_L)$	C
VeeRR_1123	$(\bar{e}_R \gamma^\mu e_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeRR_2223	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeRR_2333	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
VeURR_2311	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{u}_R \gamma_\mu u_R)$	C
VeURR_2322	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{c}_R \gamma_\mu c_R)$	C
VedRR_2311	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu d_R)$	C
VedRR_2322	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu s_R)$	C
VedRR_2333	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{b}_R \gamma_\mu b_R)$	C
VnueLR_1123	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VnueLR_2223	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VnueLR_3323	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeLR_1123	$(\bar{e}_L \gamma^\mu e_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeLR_1231	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
VeeLR_1321	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu e_R)$	C
VeeLR_2223	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeLR_2311	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu e_R)$	C
VeeLR_2322	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VeeLR_2333	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
VeeLR_3323	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeULR_2311	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{u}_R \gamma_\mu u_R)$	C
VeULR_2322	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_R \gamma_\mu c_R)$	C
VedLR_2311	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu d_R)$	C
VedLR_2322	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu s_R)$	C
VedLR_2333	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{b}_R \gamma_\mu b_R)$	C
VueLR_1123	$(\bar{u}_L \gamma^\mu u_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VueLR_2223	$(\bar{c}_L \gamma^\mu c_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VdeLR_1123	$(\bar{d}_L \gamma^\mu d_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VdeLR_2223	$(\bar{s}_L \gamma^\mu s_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VdeLR_3323	$(\bar{b}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C

WC name	Operator	Type
SeuRL_2311	$(\bar{\mu}_L \tau_R)(\bar{u}_R u_L)$	C
SeuRL_2322	$(\bar{\mu}_L \tau_R)(\bar{c}_R c_L)$	C
SeuRL_3211	$(\bar{\tau}_L \mu_R)(\bar{u}_R u_L)$	C
SeuRL_3222	$(\bar{\tau}_L \mu_R)(\bar{c}_R c_L)$	C
SedRL_2311	$(\bar{\mu}_L \tau_R)(\bar{d}_R d_L)$	C
SedRL_2322	$(\bar{\mu}_L \tau_R)(\bar{s}_R s_L)$	C
SedRL_2333	$(\bar{\mu}_L \tau_R)(\bar{b}_R b_L)$	C
SedRL_3211	$(\bar{\tau}_L \mu_R)(\bar{d}_R d_L)$	C
SedRL_3222	$(\bar{\tau}_L \mu_R)(\bar{s}_R s_L)$	C
SedRL_3233	$(\bar{\tau}_L \mu_R)(\bar{b}_R b_L)$	C
SeeRR_1123	$(\bar{e}_L e_R)(\bar{\mu}_L \tau_R)$	C
SeeRR_1132	$(\bar{e}_L e_R)(\bar{\tau}_L \mu_R)$	C
SeeRR_1231	$(\bar{e}_L \mu_R)(\bar{\tau}_L e_R)$	C
SeeRR_1321	$(\bar{e}_L \tau_R)(\bar{\mu}_L e_R)$	C
SeeRR_2223	$(\bar{\mu}_L \mu_R)(\bar{\mu}_L \tau_R)$	C
SeeRR_2232	$(\bar{\mu}_L \mu_R)(\bar{\tau}_L \mu_R)$	C
SeeRR_2333	$(\bar{\mu}_L \tau_R)(\bar{\tau}_L \tau_R)$	C
SeeRR_3233	$(\bar{\tau}_L \mu_R)(\bar{\tau}_L \tau_R)$	C
SeuRR_2311	$(\bar{\mu}_L \tau_R)(\bar{u}_L u_R)$	C
SeuRR_2322	$(\bar{\mu}_L \tau_R)(\bar{c}_L c_R)$	C
SeuRR_3211	$(\bar{\tau}_L \mu_R)(\bar{u}_L u_R)$	C
SeuRR_3222	$(\bar{\tau}_L \mu_R)(\bar{c}_L c_R)$	C
TeuRR_2311	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_2322	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_3211	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_3222	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
SedRR_2311	$(\bar{\mu}_L \tau_R)(\bar{d}_L d_R)$	C
SedRR_2322	$(\bar{\mu}_L \tau_R)(\bar{s}_L s_R)$	C
SedRR_2333	$(\bar{\mu}_L \tau_R)(\bar{b}_L b_R)$	C
SedRR_3211	$(\bar{\tau}_L \mu_R)(\bar{d}_L d_R)$	C
SedRR_3222	$(\bar{\tau}_L \mu_R)(\bar{s}_L s_R)$	C
SedRR_3233	$(\bar{\tau}_L \mu_R)(\bar{b}_L b_R)$	C
TedRR_2311	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_2322	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
TedRR_2333	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3211	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3222	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3233	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C

mue

WC name	Operator	Type
egamma_12	$\bar{e}_L \sigma^{\mu\nu} \mu_R F_{\mu\nu}$	C
egamma_21	$\bar{\mu}_L \sigma^{\mu\nu} e_R F_{\mu\nu}$	C
VeeLL_1112	$(\bar{e}_L \gamma^\mu e_L)(\bar{e}_L \gamma_\mu \mu_L)$	C
VeeLL_1222	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\mu}_L \gamma_\mu \mu_L)$	C
VeeLL_1233	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_L \gamma_\mu \tau_L)$	C
VnueLL_1112	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{e}_L \gamma_\mu \mu_L)$	C
VnueLL_2212	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{e}_L \gamma_\mu \mu_L)$	C
VnueLL_3312	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{e}_L \gamma_\mu \mu_L)$	C
VeuLL_1211	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_L \gamma_\mu u_L)$	C
VeuLL_1222	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{c}_L \gamma_\mu c_L)$	C
VedLL_1211	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{d}_L \gamma_\mu d_L)$	C
VedLL_1222	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{s}_L \gamma_\mu s_L)$	C
VedLL_1233	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{b}_L \gamma_\mu b_L)$	C
VeeRR_1112	$(\bar{e}_R \gamma^\mu e_R)(\bar{e}_R \gamma_\mu \mu_R)$	C
VeeRR_1222	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VeeRR_1233	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
VeuRR_1211	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu u_R)$	C
VeuRR_1222	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{c}_R \gamma_\mu c_R)$	C
VedRR_1211	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{d}_R \gamma_\mu d_R)$	C
VedRR_1222	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{s}_R \gamma_\mu s_R)$	C
VedRR_1233	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{b}_R \gamma_\mu b_R)$	C
VnueLR_1112	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{e}_R \gamma_\mu \mu_R)$	C
VnueLR_2212	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{e}_R \gamma_\mu \mu_R)$	C
VnueLR_3312	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{e}_R \gamma_\mu \mu_R)$	C
VeeLR_1112	$(\bar{e}_L \gamma^\mu e_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VeeLR_1211	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu e_R)$	C
VeeLR_1222	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VeeLR_1233	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
VeeLR_1332	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
VeeLR_2212	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VeeLR_2331	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
VeeLR_3312	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VeuLR_1211	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_R \gamma_\mu u_R)$	C
VeuLR_1222	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{c}_R \gamma_\mu c_R)$	C
VedLR_1211	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{d}_R \gamma_\mu d_R)$	C
VedLR_1222	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{s}_R \gamma_\mu s_R)$	C
VedLR_1233	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{b}_R \gamma_\mu b_R)$	C
VueLR_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VueLR_2212	$(\bar{c}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VdeLR_1112	$(\bar{d}_L \gamma^\mu d_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VdeLR_2212	$(\bar{s}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VdeLR_3312	$(\bar{b}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
SeuRL_1211	$(\bar{e}_L \mu_R)(\bar{u}_R u_L)$	C
SeuRL_1222	$(\bar{e}_L \mu_R)(\bar{c}_R c_L)$	C

WC name	Operator	Type
SeuRL_2111	$(\bar{\mu}_L e_R)(\bar{u}_R u_L)$	C
SeuRL_2122	$(\bar{\mu}_L e_R)(\bar{c}_R c_L)$	C
SedRL_1211	$(\bar{e}_L \mu_R)(\bar{d}_R d_L)$	C
SedRL_1222	$(\bar{e}_L \mu_R)(\bar{s}_R s_L)$	C
SedRL_1233	$(\bar{e}_L \mu_R)(\bar{b}_R b_L)$	C
SedRL_2111	$(\bar{\mu}_L e_R)(\bar{d}_R d_L)$	C
SedRL_2122	$(\bar{\mu}_L e_R)(\bar{s}_R s_L)$	C
SedRL_2133	$(\bar{\mu}_L e_R)(\bar{b}_R b_L)$	C
SeeRR_1112	$(\bar{e}_L e_R)(\bar{e}_L \mu_R)$	C
SeeRR_1121	$(\bar{e}_L e_R)(\bar{\mu}_L e_R)$	C
SeeRR_1222	$(\bar{e}_L \mu_R)(\bar{\mu}_L \mu_R)$	C
SeeRR_1233	$(\bar{e}_L \mu_R)(\bar{\tau}_L \tau_R)$	C
SeeRR_1332	$(\bar{e}_L \tau_R)(\bar{\tau}_L \mu_R)$	C
SeeRR_2122	$(\bar{\mu}_L e_R)(\bar{\mu}_L \mu_R)$	C
SeeRR_2133	$(\bar{\mu}_L e_R)(\bar{\tau}_L \tau_R)$	C
SeeRR_2331	$(\bar{\mu}_L \tau_R)(\bar{\tau}_L e_R)$	C
SeuRR_1211	$(\bar{e}_L \mu_R)(\bar{u}_L u_R)$	C
SeuRR_1222	$(\bar{e}_L \mu_R)(\bar{c}_L c_R)$	C
SeuRR_2111	$(\bar{\mu}_L e_R)(\bar{u}_L u_R)$	C
SeuRR_2122	$(\bar{\mu}_L e_R)(\bar{c}_L c_R)$	C
TeuRR_1211	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_1222	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_2111	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_2122	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
SedRR_1211	$(\bar{e}_L \mu_R)(\bar{d}_L d_R)$	C
SedRR_1222	$(\bar{e}_L \mu_R)(\bar{s}_L s_R)$	C
SedRR_1233	$(\bar{e}_L \mu_R)(\bar{b}_L b_R)$	C
SedRR_2111	$(\bar{\mu}_L e_R)(\bar{d}_L d_R)$	C
SedRR_2122	$(\bar{\mu}_L e_R)(\bar{s}_L s_R)$	C
SedRR_2133	$(\bar{\mu}_L e_R)(\bar{b}_L b_R)$	C
TedRR_1211	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_1222	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
TedRR_1233	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
TedRR_2111	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_2122	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
TedRR_2133	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C

taue

WC name	Operator	Type
egamma_13	$\bar{e}_L \sigma^{\mu\nu} \tau_R F_{\mu\nu}$	C
egamma_31	$\bar{\tau}_L \sigma^{\mu\nu} e_R F_{\mu\nu}$	C

WC name	Operator	Type
VeeLL_1113	$(\bar{e}_L \gamma^\mu e_L)(\bar{e}_L \gamma_\mu \tau_L)$	C
VeeLL_1223	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
VeeLL_1333	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\tau}_L \gamma_\mu \tau_L)$	C
VnueLL_1113	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{e}_L \gamma_\mu \tau_L)$	C
VnueLL_2213	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{e}_L \gamma_\mu \tau_L)$	C
VnueLL_3313	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{e}_L \gamma_\mu \tau_L)$	C
VeuLL_1311	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{u}_L \gamma_\mu u_L)$	C
VeuLL_1322	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu c_L)$	C
VedLL_1311	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu d_L)$	C
VedLL_1322	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu s_L)$	C
VedLL_1333	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{b}_L \gamma_\mu b_L)$	C
VeeRR_1113	$(\bar{e}_R \gamma^\mu e_R)(\bar{e}_R \gamma_\mu \tau_R)$	C
VeeRR_1223	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeRR_1333	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
VeuRR_1311	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{u}_R \gamma_\mu u_R)$	C
VeuRR_1322	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{c}_R \gamma_\mu c_R)$	C
VedRR_1311	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu d_R)$	C
VedRR_1322	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu s_R)$	C
VedRR_1333	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{b}_R \gamma_\mu b_R)$	C
VnueLR_1113	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{e}_R \gamma_\mu \tau_R)$	C
VnueLR_2213	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{e}_R \gamma_\mu \tau_R)$	C
VnueLR_3313	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{e}_R \gamma_\mu \tau_R)$	C
VeeLR_1113	$(\bar{e}_L \gamma^\mu e_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
VeeLR_1223	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeLR_1311	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu e_R)$	C
VeeLR_1322	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VeeLR_1333	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	C
VeeLR_2213	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
VeeLR_2312	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VeeLR_3313	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
VeuLR_1311	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{u}_R \gamma_\mu u_R)$	C
VeuLR_1322	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{c}_R \gamma_\mu c_R)$	C
VedLR_1311	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu d_R)$	C
VedLR_1322	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu s_R)$	C
VedLR_1333	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{b}_R \gamma_\mu b_R)$	C
VueLR_1113	$(\bar{u}_L \gamma^\mu u_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
VueLR_2213	$(\bar{c}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
VdeLR_1113	$(\bar{d}_L \gamma^\mu d_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
VdeLR_2213	$(\bar{s}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
VdeLR_3313	$(\bar{b}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
SeuRL_1311	$(\bar{e}_L \tau_R)(\bar{u}_R u_L)$	C
SeuRL_1322	$(\bar{e}_L \tau_R)(\bar{c}_R c_L)$	C
SeuRL_3111	$(\bar{\tau}_L e_R)(\bar{u}_R u_L)$	C
SeuRL_3122	$(\bar{\tau}_L e_R)(\bar{c}_R c_L)$	C

WC name	Operator	Type
SedRL_1311	$(\bar{e}_L \tau_R)(\bar{d}_R d_L)$	C
SedRL_1322	$(\bar{e}_L \tau_R)(\bar{s}_R s_L)$	C
SedRL_1333	$(\bar{e}_L \tau_R)(\bar{b}_R b_L)$	C
SedRL_3111	$(\bar{\tau}_L e_R)(\bar{d}_R d_L)$	C
SedRL_3122	$(\bar{\tau}_L e_R)(\bar{s}_R s_L)$	C
SedRL_3133	$(\bar{\tau}_L e_R)(\bar{b}_R b_L)$	C
SeeRR_1113	$(\bar{e}_L e_R)(\bar{e}_L \tau_R)$	C
SeeRR_1131	$(\bar{e}_L e_R)(\bar{\tau}_L e_R)$	C
SeeRR_1223	$(\bar{e}_L \mu_R)(\bar{\mu}_L \tau_R)$	C
SeeRR_1322	$(\bar{e}_L \tau_R)(\bar{\mu}_L \mu_R)$	C
SeeRR_1333	$(\bar{e}_L \tau_R)(\bar{\tau}_L \tau_R)$	C
SeeRR_2132	$(\bar{\mu}_L e_R)(\bar{\tau}_L \mu_R)$	C
SeeRR_2231	$(\bar{\mu}_L \mu_R)(\bar{\tau}_L e_R)$	C
SeeRR_3133	$(\bar{\tau}_L e_R)(\bar{\tau}_L \tau_R)$	C
SeuRR_1311	$(\bar{e}_L \tau_R)(\bar{u}_L u_R)$	C
SeuRR_1322	$(\bar{e}_L \tau_R)(\bar{c}_L c_R)$	C
SeuRR_3111	$(\bar{\tau}_L e_R)(\bar{u}_L u_R)$	C
SeuRR_3122	$(\bar{\tau}_L e_R)(\bar{c}_L c_R)$	C
TeuRR_1311	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_1322	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_3111	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_3122	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
SedRR_1311	$(\bar{e}_L \tau_R)(\bar{d}_L d_R)$	C
SedRR_1322	$(\bar{e}_L \tau_R)(\bar{s}_L s_R)$	C
SedRR_1333	$(\bar{e}_L \tau_R)(\bar{b}_L b_R)$	C
SedRR_3111	$(\bar{\tau}_L e_R)(\bar{d}_L d_R)$	C
SedRR_3122	$(\bar{\tau}_L e_R)(\bar{s}_L s_R)$	C
SedRR_3133	$(\bar{\tau}_L e_R)(\bar{b}_L b_R)$	C
TedRR_1311	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_1322	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
TedRR_1333	$(\bar{e}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3111	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3122	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3133	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C

tauetaue

WC name	Operator	Type
VeeLL_1313	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{e}_L \gamma_\mu \tau_L)$	C
VeeRR_1313	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{e}_R \gamma_\mu \tau_R)$	C
VeeLR_1313	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
SeeRR_1313	$(\bar{e}_L \tau_R)(\bar{e}_L \tau_R)$	C

WC name	Operator	Type
SeeRR_3131	$(\bar{\tau}_L e_R)(\bar{\tau}_L e_R)$	C

**taumutaumu**

WC name	Operator	Type
VeeLL_2323	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
VeeRR_2323	$(\bar{\mu}_R \gamma^\mu \tau_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeLR_2323	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
SeeRR_2323	$(\bar{\mu}_L \tau_R)(\bar{\mu}_L \tau_R)$	C
SeeRR_3232	$(\bar{\tau}_L \mu_R)(\bar{\tau}_L \mu_R)$	C

**muemue**

WC name	Operator	Type
VeeLL_1212	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_L \gamma_\mu \mu_L)$	C
VeeRR_1212	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{e}_R \gamma_\mu \mu_R)$	C
VeeLR_1212	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
SeeRR_1212	$(\bar{e}_L \mu_R)(\bar{e}_L \mu_R)$	C
SeeRR_2121	$(\bar{\mu}_L e_R)(\bar{\mu}_L e_R)$	C

**muemutau**

WC name	Operator	Type
VeeLL_1232	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_L \gamma_\mu \mu_L)$	C
VeeRR_1232	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
VeeLR_1232	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
VeeLR_2321	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu e_R)$	C
SeeRR_1232	$(\bar{e}_L \mu_R)(\bar{\tau}_L \mu_R)$	C
SeeRR_2123	$(\bar{\mu}_L e_R)(\bar{\mu}_L \tau_R)$	C

**etauemu**

WC name	Operator	Type
VeeLL_1213	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_L \gamma_\mu \tau_L)$	C
VeeRR_1213	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{e}_R \gamma_\mu \tau_R)$	C
VeeLR_1213	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \tau_R)$	C



WC name	Operator	Type
VeeLR_1312	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
SeeRR_1213	$(\bar{e}_L \mu_R)(\bar{e}_L \tau_R)$	C
SeeRR_2131	$(\bar{\mu}_L e_R)(\bar{\tau}_L e_R)$	C

#### tauetaumu

WC name	Operator	Type
VeeLL_1323	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\mu}_L \gamma_\mu \tau_L)$	C
VeeRR_1323	$(\bar{e}_R \gamma^\mu \tau_R)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeLR_1323	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \tau_R)$	C
VeeLR_2313	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \tau_R)$	C
SeeRR_1323	$(\bar{e}_L \tau_R)(\bar{\mu}_L \tau_R)$	C
SeeRR_3132	$(\bar{\tau}_L e_R)(\bar{\tau}_L \mu_R)$	C

#### nunununu

WC name	Operator	Type
VnunuLL_1112	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{\nu}_{L1} \gamma_\mu \nu_{L2})$	C
VnunuLL_1222	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\nu}_{L2} \gamma_\mu \nu_{L2})$	C
VnunuLL_1233	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\nu}_{L3} \gamma_\mu \nu_{L3})$	C
VnunuLL_1113	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{\nu}_{L1} \gamma_\mu \nu_{L3})$	C
VnunuLL_1223	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\nu}_{L2} \gamma_\mu \nu_{L3})$	C
VnunuLL_1333	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{\nu}_{L3} \gamma_\mu \nu_{L3})$	C
VnunuLL_1123	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{\nu}_{L2} \gamma_\mu \nu_{L3})$	C
VnunuLL_2223	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{\nu}_{L2} \gamma_\mu \nu_{L3})$	C
VnunuLL_2333	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L3})(\bar{\nu}_{L3} \gamma_\mu \nu_{L3})$	C
VnunuLL_1232	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\nu}_{L3} \gamma_\mu \nu_{L2})$	C
VnunuLL_1323	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{\nu}_{L2} \gamma_\mu \nu_{L3})$	C
VnunuLL_1213	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\nu}_{L1} \gamma_\mu \nu_{L3})$	C
VnunuLL_1212	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\nu}_{L1} \gamma_\mu \nu_{L2})$	C
VnunuLL_1313	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{\nu}_{L1} \gamma_\mu \nu_{L3})$	C
VnunuLL_2323	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L3})(\bar{\nu}_{L2} \gamma_\mu \nu_{L3})$	C

#### nunuemu

WC name	Operator	Type
VnueLL_1212	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{e}_L \gamma_\mu \mu_L)$	C
VnueLR_1212	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{e}_R \gamma_\mu \mu_R)$	C

WC name	Operator	Type
VnueLL_1312	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{e}_L\gamma_\mu\mu_L)$	C
VnueLR_1312	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{e}_R\gamma_\mu\mu_R)$	C
VnueLL_2321	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\mu}_L\gamma_\mu e_L)$	C
VnueLR_2321	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\mu}_R\gamma_\mu e_R)$	C

#### nunumue

WC name	Operator	Type
VnueLL_1221	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{\mu}_L\gamma_\mu e_L)$	C
VnueLR_1221	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{\mu}_R\gamma_\mu e_R)$	C
VnueLL_1321	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{\mu}_L\gamma_\mu e_L)$	C
VnueLR_1321	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{\mu}_R\gamma_\mu e_R)$	C
VnueLL_2312	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{e}_L\gamma_\mu\mu_L)$	C
VnueLR_2312	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{e}_R\gamma_\mu\mu_R)$	C

#### nunutaumu

WC name	Operator	Type
VnueLL_1232	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{\tau}_L\gamma_\mu\mu_L)$	C
VnueLR_1232	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{\tau}_R\gamma_\mu\mu_R)$	C
VnueLL_1332	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{\tau}_L\gamma_\mu\mu_L)$	C
VnueLR_1332	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{\tau}_R\gamma_\mu\mu_R)$	C
VnueLL_2323	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\mu}_L\gamma_\mu\tau_L)$	C
VnueLR_2323	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\mu}_R\gamma_\mu\tau_R)$	C

#### nunumutau

WC name	Operator	Type
VnueLL_1223	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{\mu}_L\gamma_\mu\tau_L)$	C
VnueLR_1223	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{\mu}_R\gamma_\mu\tau_R)$	C
VnueLL_1323	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{\mu}_L\gamma_\mu\tau_L)$	C
VnueLR_1323	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{\mu}_R\gamma_\mu\tau_R)$	C
VnueLL_2332	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\tau}_L\gamma_\mu\mu_L)$	C
VnueLR_2332	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\tau}_R\gamma_\mu\mu_R)$	C

#### nunutaue

WC name	Operator	Type
VnueLL_1231	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{\tau}_L\gamma_\mu e_L)$	C
VnueLR_1231	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{\tau}_R\gamma_\mu e_R)$	C
VnueLL_1331	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{\tau}_L\gamma_\mu e_L)$	C
VnueLR_1331	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{\tau}_R\gamma_\mu e_R)$	C
VnueLL_2313	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{e}_L\gamma_\mu\tau_L)$	C
VnueLR_2313	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{e}_R\gamma_\mu\tau_R)$	C

#### nunuetau

WC name	Operator	Type
VnueLL_1213	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{e}_L\gamma_\mu\tau_L)$	C
VnueLR_1213	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{e}_R\gamma_\mu\tau_R)$	C
VnueLL_1313	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{e}_L\gamma_\mu\tau_L)$	C
VnueLR_1313	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{e}_R\gamma_\mu\tau_R)$	C
VnueLL_2331	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\tau}_L\gamma_\mu e_L)$	C
VnueLR_2331	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\tau}_R\gamma_\mu e_R)$	C

#### dF=0

WC name	Operator	Type
egamma_11	$\bar{e}_L\sigma^{\mu\nu}e_R F_{\mu\nu}$	C
egamma_22	$\bar{\mu}_L\sigma^{\mu\nu}\mu_R F_{\mu\nu}$	C
egamma_33	$\bar{\tau}_L\sigma^{\mu\nu}\tau_R F_{\mu\nu}$	C
ugamma_11	$\bar{u}_L\sigma^{\mu\nu}u_R F_{\mu\nu}$	C
ugamma_22	$\bar{c}_L\sigma^{\mu\nu}c_R F_{\mu\nu}$	C
dgamma_11	$\bar{d}_L\sigma^{\mu\nu}d_R F_{\mu\nu}$	C
dgamma_22	$\bar{s}_L\sigma^{\mu\nu}s_R F_{\mu\nu}$	C
dgamma_33	$\bar{b}_L\sigma^{\mu\nu}b_R F_{\mu\nu}$	C
uG_11	$\bar{u}_L\sigma^{\mu\nu}T^A u_R G_{\mu\nu}^A$	C
uG_22	$\bar{c}_L\sigma^{\mu\nu}T^A c_R G_{\mu\nu}^A$	C
dG_11	$\bar{d}_L\sigma^{\mu\nu}T^A d_R G_{\mu\nu}^A$	C
dG_22	$\bar{s}_L\sigma^{\mu\nu}T^A s_R G_{\mu\nu}^A$	C
dG_33	$\bar{b}_L\sigma^{\mu\nu}T^A b_R G_{\mu\nu}^A$	C
G	$f^{ABC}G_\mu^{A\nu}G_\nu^{B\rho}G_\rho^{C\mu}$	R
Gtilde	$f^{ABC}\tilde{G}_\mu^{A\nu}G_\nu^{B\rho}G_\rho^{C\mu}$	R
VnunuLL_1111	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{\nu}_{L1}\gamma_\mu\nu_{L1})$	R
VnunuLL_1122	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{\nu}_{L2}\gamma_\mu\nu_{L2})$	R
VnunuLL_1133	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{\nu}_{L3}\gamma_\mu\nu_{L3})$	R
VnunuLL_2222	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{\nu}_{L2}\gamma_\mu\nu_{L2})$	R
VnunuLL_2233	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{\nu}_{L3}\gamma_\mu\nu_{L3})$	R

WC name	Operator	Type
VnnuLL_3333	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{\nu}_{L3}\gamma_\mu\nu_{L3})$	R
VeeLL_1111	$(\bar{e}_L\gamma^\mu e_L)(\bar{e}_L\gamma_\mu e_L)$	R
VeeLL_1122	$(\bar{e}_L\gamma^\mu e_L)(\bar{\mu}_L\gamma_\mu\mu_L)$	R
VeeLL_1133	$(\bar{e}_L\gamma^\mu e_L)(\bar{\tau}_L\gamma_\mu\tau_L)$	R
VeeLL_2222	$(\bar{\mu}_L\gamma^\mu\mu_L)(\bar{\mu}_L\gamma_\mu\mu_L)$	R
VeeLL_2233	$(\bar{\mu}_L\gamma^\mu\mu_L)(\bar{\tau}_L\gamma_\mu\tau_L)$	R
VeeLL_3333	$(\bar{\tau}_L\gamma^\mu\tau_L)(\bar{\tau}_L\gamma_\mu\tau_L)$	R
VnueLL_1111	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{e}_L\gamma_\mu e_L)$	R
VnueLL_1122	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{\mu}_L\gamma_\mu\mu_L)$	R
VnueLL_1133	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{\tau}_L\gamma_\mu\tau_L)$	R
VnueLL_2211	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{e}_L\gamma_\mu e_L)$	R
VnueLL_2222	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{\mu}_L\gamma_\mu\mu_L)$	R
VnueLL_2233	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{\tau}_L\gamma_\mu\tau_L)$	R
VnueLL_3311	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{e}_L\gamma_\mu e_L)$	R
VnueLL_3322	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{\mu}_L\gamma_\mu\mu_L)$	R
VnueLL_3333	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{\tau}_L\gamma_\mu\tau_L)$	R
VnuuLL_1111	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{u}_L\gamma_\mu u_L)$	R
VnuuLL_1122	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{c}_L\gamma_\mu c_L)$	R
VnuuLL_2211	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{u}_L\gamma_\mu u_L)$	R
VnuuLL_2222	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{c}_L\gamma_\mu c_L)$	R
VnuuLL_3311	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{u}_L\gamma_\mu u_L)$	R
VnuuLL_3322	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{c}_L\gamma_\mu c_L)$	R
VnudLL_1111	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{d}_L\gamma_\mu d_L)$	R
VnudLL_1122	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{s}_L\gamma_\mu s_L)$	R
VnudLL_1133	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{b}_L\gamma_\mu b_L)$	R
VnudLL_2211	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{d}_L\gamma_\mu d_L)$	R
VnudLL_2222	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{s}_L\gamma_\mu s_L)$	R
VnudLL_2233	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{b}_L\gamma_\mu b_L)$	R
VnudLL_3311	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{d}_L\gamma_\mu d_L)$	R
VnudLL_3322	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{s}_L\gamma_\mu s_L)$	R
VnudLL_3333	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{b}_L\gamma_\mu b_L)$	R
VeULL_1111	$(\bar{e}_L\gamma^\mu e_L)(\bar{u}_L\gamma_\mu u_L)$	R
VeULL_1122	$(\bar{e}_L\gamma^\mu e_L)(\bar{c}_L\gamma_\mu c_L)$	R
VeULL_2211	$(\bar{\mu}_L\gamma^\mu\mu_L)(\bar{u}_L\gamma_\mu u_L)$	R
VeULL_2222	$(\bar{\mu}_L\gamma^\mu\mu_L)(\bar{c}_L\gamma_\mu c_L)$	R
VeULL_3311	$(\bar{\tau}_L\gamma^\mu\tau_L)(\bar{u}_L\gamma_\mu u_L)$	R
VeULL_3322	$(\bar{\tau}_L\gamma^\mu\tau_L)(\bar{c}_L\gamma_\mu c_L)$	R
VedLL_1111	$(\bar{e}_L\gamma^\mu e_L)(\bar{d}_L\gamma_\mu d_L)$	R
VedLL_1122	$(\bar{e}_L\gamma^\mu e_L)(\bar{s}_L\gamma_\mu s_L)$	R
VedLL_1133	$(\bar{e}_L\gamma^\mu e_L)(\bar{b}_L\gamma_\mu b_L)$	R
VedLL_2211	$(\bar{\mu}_L\gamma^\mu\mu_L)(\bar{d}_L\gamma_\mu d_L)$	R
VedLL_2222	$(\bar{\mu}_L\gamma^\mu\mu_L)(\bar{s}_L\gamma_\mu s_L)$	R
VedLL_2233	$(\bar{\mu}_L\gamma^\mu\mu_L)(\bar{b}_L\gamma_\mu b_L)$	R

WC name	Operator	Type
VedLL_3311	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{d}_L \gamma_\mu d_L)$	R
VedLL_3322	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{s}_L \gamma_\mu s_L)$	R
VedLL_3333	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{b}_L \gamma_\mu b_L)$	R
VuuLL_1111	$(\bar{u}_L \gamma^\mu u_L)(\bar{u}_L \gamma_\mu u_L)$	R
VuuLL_1122	$(\bar{u}_L \gamma^\mu u_L)(\bar{c}_L \gamma_\mu c_L)$	R
VuuLL_1221	$(\bar{u}_L \gamma^\mu c_L)(\bar{c}_L \gamma_\mu u_L)$	R
VuuLL_2222	$(\bar{c}_L \gamma^\mu c_L)(\bar{c}_L \gamma_\mu c_L)$	R
VddLL_1111	$(\bar{d}_L \gamma^\mu d_L)(\bar{d}_L \gamma_\mu d_L)$	R
VddLL_1122	$(\bar{d}_L \gamma^\mu d_L)(\bar{s}_L \gamma_\mu s_L)$	R
VddLL_1133	$(\bar{d}_L \gamma^\mu d_L)(\bar{b}_L \gamma_\mu b_L)$	R
VddLL_1221	$(\bar{d}_L \gamma^\mu s_L)(\bar{s}_L \gamma_\mu d_L)$	R
VddLL_1331	$(\bar{d}_L \gamma^\mu b_L)(\bar{b}_L \gamma_\mu d_L)$	R
VddLL_2222	$(\bar{s}_L \gamma^\mu s_L)(\bar{s}_L \gamma_\mu s_L)$	R
VddLL_2233	$(\bar{s}_L \gamma^\mu s_L)(\bar{b}_L \gamma_\mu b_L)$	R
VddLL_2332	$(\bar{s}_L \gamma^\mu b_L)(\bar{b}_L \gamma_\mu s_L)$	R
VddLL_3333	$(\bar{b}_L \gamma^\mu b_L)(\bar{b}_L \gamma_\mu b_L)$	R
V1udLL_1111	$(\bar{u}_L \gamma^\mu u_L)(\bar{d}_L \gamma_\mu d_L)$	R
V1udLL_1122	$(\bar{u}_L \gamma^\mu u_L)(\bar{s}_L \gamma_\mu s_L)$	R
V1udLL_1133	$(\bar{u}_L \gamma^\mu u_L)(\bar{b}_L \gamma_\mu b_L)$	R
V1udLL_2211	$(\bar{c}_L \gamma^\mu c_L)(\bar{d}_L \gamma_\mu d_L)$	R
V1udLL_2222	$(\bar{c}_L \gamma^\mu c_L)(\bar{s}_L \gamma_\mu s_L)$	R
V1udLL_2233	$(\bar{c}_L \gamma^\mu c_L)(\bar{b}_L \gamma_\mu b_L)$	R
V8udLL_1111	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_L \gamma_\mu T^A d_L)$	R
V8udLL_1122	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{s}_L \gamma_\mu T^A s_L)$	R
V8udLL_1133	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{b}_L \gamma_\mu T^A b_L)$	R
V8udLL_2211	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{d}_L \gamma_\mu T^A d_L)$	R
V8udLL_2222	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{s}_L \gamma_\mu T^A s_L)$	R
V8udLL_2233	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{b}_L \gamma_\mu T^A b_L)$	R
VeeRR_1111	$(\bar{e}_R \gamma^\mu e_R)(\bar{e}_R \gamma_\mu e_R)$	R
VeeRR_1122	$(\bar{e}_R \gamma^\mu e_R)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VeeRR_1133	$(\bar{e}_R \gamma^\mu e_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VeeRR_2222	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VeeRR_2233	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VeeRR_3333	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VeuRR_1111	$(\bar{e}_R \gamma^\mu e_R)(\bar{u}_R \gamma_\mu u_R)$	R
VeuRR_1122	$(\bar{e}_R \gamma^\mu e_R)(\bar{c}_R \gamma_\mu c_R)$	R
VeuRR_2211	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu u_R)$	R
VeuRR_2222	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{c}_R \gamma_\mu c_R)$	R
VeuRR_3311	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{u}_R \gamma_\mu u_R)$	R
VeuRR_3322	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{c}_R \gamma_\mu c_R)$	R
VedRR_1111	$(\bar{e}_R \gamma^\mu e_R)(\bar{d}_R \gamma_\mu d_R)$	R
VedRR_1122	$(\bar{e}_R \gamma^\mu e_R)(\bar{s}_R \gamma_\mu s_R)$	R
VedRR_1133	$(\bar{e}_R \gamma^\mu e_R)(\bar{b}_R \gamma_\mu b_R)$	R

WC name	Operator	Type
VedRR_2211	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{d}_R \gamma_\mu d_R)$	R
VedRR_2222	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{s}_R \gamma_\mu s_R)$	R
VedRR_2233	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{b}_R \gamma_\mu b_R)$	R
VedRR_3311	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{d}_R \gamma_\mu d_R)$	R
VedRR_3322	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{s}_R \gamma_\mu s_R)$	R
VedRR_3333	$(\bar{\tau}_R \gamma^\mu \tau_R)(\bar{b}_R \gamma_\mu b_R)$	R
VuuRR_1111	$(\bar{u}_R \gamma^\mu u_R)(\bar{u}_R \gamma_\mu u_R)$	R
VuuRR_1122	$(\bar{u}_R \gamma^\mu u_R)(\bar{c}_R \gamma_\mu c_R)$	R
VuuRR_1221	$(\bar{u}_R \gamma^\mu c_R)(\bar{c}_R \gamma_\mu u_R)$	R
VuuRR_2222	$(\bar{c}_R \gamma^\mu c_R)(\bar{c}_R \gamma_\mu c_R)$	R
VddRR_1111	$(\bar{d}_R \gamma^\mu d_R)(\bar{d}_R \gamma_\mu d_R)$	R
VddRR_1122	$(\bar{d}_R \gamma^\mu d_R)(\bar{s}_R \gamma_\mu s_R)$	R
VddRR_1133	$(\bar{d}_R \gamma^\mu d_R)(\bar{b}_R \gamma_\mu b_R)$	R
VddRR_1221	$(\bar{d}_R \gamma^\mu s_R)(\bar{s}_R \gamma_\mu d_R)$	R
VddRR_1331	$(\bar{d}_R \gamma^\mu b_R)(\bar{b}_R \gamma_\mu d_R)$	R
VddRR_2222	$(\bar{s}_R \gamma^\mu s_R)(\bar{s}_R \gamma_\mu s_R)$	R
VddRR_2233	$(\bar{s}_R \gamma^\mu s_R)(\bar{b}_R \gamma_\mu b_R)$	R
VddRR_2332	$(\bar{s}_R \gamma^\mu b_R)(\bar{b}_R \gamma_\mu s_R)$	R
VddRR_3333	$(\bar{b}_R \gamma^\mu b_R)(\bar{b}_R \gamma_\mu b_R)$	R
V1udRR_1111	$(\bar{u}_R \gamma^\mu u_R)(\bar{d}_R \gamma_\mu d_R)$	R
V1udRR_1122	$(\bar{u}_R \gamma^\mu u_R)(\bar{s}_R \gamma_\mu s_R)$	R
V1udRR_1133	$(\bar{u}_R \gamma^\mu u_R)(\bar{b}_R \gamma_\mu b_R)$	R
V1udRR_2211	$(\bar{c}_R \gamma^\mu c_R)(\bar{d}_R \gamma_\mu d_R)$	R
V1udRR_2222	$(\bar{c}_R \gamma^\mu c_R)(\bar{s}_R \gamma_\mu s_R)$	R
V1udRR_2233	$(\bar{c}_R \gamma^\mu c_R)(\bar{b}_R \gamma_\mu b_R)$	R
V8udRR_1111	$(\bar{u}_R \gamma^\mu T^A u_R)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8udRR_1122	$(\bar{u}_R \gamma^\mu T^A u_R)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V8udRR_1133	$(\bar{u}_R \gamma^\mu T^A u_R)(\bar{b}_R \gamma_\mu T^A b_R)$	R
V8udRR_2211	$(\bar{c}_R \gamma^\mu T^A c_R)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8udRR_2222	$(\bar{c}_R \gamma^\mu T^A c_R)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V8udRR_2233	$(\bar{c}_R \gamma^\mu T^A c_R)(\bar{b}_R \gamma_\mu T^A b_R)$	R
VnueLR_1111	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{e}_R \gamma_\mu e_R)$	R
VnueLR_1122	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VnueLR_1133	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VnueLR_2211	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{e}_R \gamma_\mu e_R)$	R
VnueLR_2222	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VnueLR_2233	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VnueLR_3311	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{e}_R \gamma_\mu e_R)$	R
VnueLR_3322	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VnueLR_3333	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VeeLR_1111	$(\bar{e}_L \gamma^\mu e_L)(\bar{e}_R \gamma_\mu e_R)$	R
VeeLR_1122	$(\bar{e}_L \gamma^\mu e_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VeeLR_1133	$(\bar{e}_L \gamma^\mu e_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R

WC name	Operator	Type
VeeLR_1221	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu e_R)$	C
VeeLR_1331	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu e_R)$	C
VeeLR_2211	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu e_R)$	R
VeeLR_2222	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VeeLR_2233	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VeeLR_2332	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	C
VeeLR_3311	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu e_R)$	R
VeeLR_3322	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VeeLR_3333	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VnuuLR_1111	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{u}_R \gamma_\mu u_R)$	R
VnuuLR_1122	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{c}_R \gamma_\mu c_R)$	R
VnuuLR_2211	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{u}_R \gamma_\mu u_R)$	R
VnuuLR_2222	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{c}_R \gamma_\mu c_R)$	R
VnuuLR_3311	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{u}_R \gamma_\mu u_R)$	R
VnuuLR_3322	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{c}_R \gamma_\mu c_R)$	R
VnudLR_1111	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{d}_R \gamma_\mu d_R)$	R
VnudLR_1122	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{s}_R \gamma_\mu s_R)$	R
VnudLR_1133	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L1})(\bar{b}_R \gamma_\mu b_R)$	R
VnudLR_2211	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{d}_R \gamma_\mu d_R)$	R
VnudLR_2222	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{s}_R \gamma_\mu s_R)$	R
VnudLR_2233	$(\bar{\nu}_{L2} \gamma^\mu \nu_{L2})(\bar{b}_R \gamma_\mu b_R)$	R
VnudLR_3311	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{d}_R \gamma_\mu d_R)$	R
VnudLR_3322	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{s}_R \gamma_\mu s_R)$	R
VnudLR_3333	$(\bar{\nu}_{L3} \gamma^\mu \nu_{L3})(\bar{b}_R \gamma_\mu b_R)$	R
VeulR_1111	$(\bar{e}_L \gamma^\mu e_L)(\bar{u}_R \gamma_\mu u_R)$	R
VeulR_1122	$(\bar{e}_L \gamma^\mu e_L)(\bar{c}_R \gamma_\mu c_R)$	R
VeulR_2211	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{u}_R \gamma_\mu u_R)$	R
VeulR_2222	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{c}_R \gamma_\mu c_R)$	R
VeulR_3311	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{u}_R \gamma_\mu u_R)$	R
VeulR_3322	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{c}_R \gamma_\mu c_R)$	R
VedLR_1111	$(\bar{e}_L \gamma^\mu e_L)(\bar{d}_R \gamma_\mu d_R)$	R
VedLR_1122	$(\bar{e}_L \gamma^\mu e_L)(\bar{s}_R \gamma_\mu s_R)$	R
VedLR_1133	$(\bar{e}_L \gamma^\mu e_L)(\bar{b}_R \gamma_\mu b_R)$	R
VedLR_2211	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{d}_R \gamma_\mu d_R)$	R
VedLR_2222	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{s}_R \gamma_\mu s_R)$	R
VedLR_2233	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{b}_R \gamma_\mu b_R)$	R
VedLR_3311	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{d}_R \gamma_\mu d_R)$	R
VedLR_3322	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{s}_R \gamma_\mu s_R)$	R
VedLR_3333	$(\bar{\tau}_L \gamma^\mu \tau_L)(\bar{b}_R \gamma_\mu b_R)$	R
VueLR_1111	$(\bar{u}_L \gamma^\mu u_L)(\bar{e}_R \gamma_\mu e_R)$	R
VueLR_1122	$(\bar{u}_L \gamma^\mu u_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VueLR_1133	$(\bar{u}_L \gamma^\mu u_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VueLR_2211	$(\bar{c}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu e_R)$	R

WC name	Operator	Type
VueLR_2222	$(\bar{c}_L \gamma^\mu c_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VueLR_2233	$(\bar{c}_L \gamma^\mu c_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VdeLR_1111	$(\bar{d}_L \gamma^\mu d_L)(\bar{e}_R \gamma_\mu e_R)$	R
VdeLR_1122	$(\bar{d}_L \gamma^\mu d_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VdeLR_1133	$(\bar{d}_L \gamma^\mu d_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VdeLR_2211	$(\bar{s}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu e_R)$	R
VdeLR_2222	$(\bar{s}_L \gamma^\mu s_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VdeLR_2233	$(\bar{s}_L \gamma^\mu s_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VdeLR_3311	$(\bar{b}_L \gamma^\mu b_L)(\bar{e}_R \gamma_\mu e_R)$	R
VdeLR_3322	$(\bar{b}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VdeLR_3333	$(\bar{b}_L \gamma^\mu b_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
V1uuLR_1111	$(\bar{u}_L \gamma^\mu u_L)(\bar{u}_R \gamma_\mu u_R)$	R
V1uuLR_1122	$(\bar{u}_L \gamma^\mu u_L)(\bar{c}_R \gamma_\mu c_R)$	R
V1uuLR_1221	$(\bar{u}_L \gamma^\mu c_L)(\bar{c}_R \gamma_\mu u_R)$	C
V1uuLR_2211	$(\bar{c}_L \gamma^\mu c_L)(\bar{u}_R \gamma_\mu u_R)$	R
V1uuLR_2222	$(\bar{c}_L \gamma^\mu c_L)(\bar{c}_R \gamma_\mu c_R)$	R
V8uuLR_1111	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8uuLR_1122	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{c}_R \gamma_\mu T^A c_R)$	R
V8uuLR_1221	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{c}_R \gamma_\mu T^A u_R)$	C
V8uuLR_2211	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8uuLR_2222	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{c}_R \gamma_\mu T^A c_R)$	R
V1udLR_1111	$(\bar{u}_L \gamma^\mu u_L)(\bar{d}_R \gamma_\mu d_R)$	R
V1udLR_1122	$(\bar{u}_L \gamma^\mu u_L)(\bar{s}_R \gamma_\mu s_R)$	R
V1udLR_1133	$(\bar{u}_L \gamma^\mu u_L)(\bar{b}_R \gamma_\mu b_R)$	R
V1udLR_2211	$(\bar{c}_L \gamma^\mu c_L)(\bar{d}_R \gamma_\mu d_R)$	R
V1udLR_2222	$(\bar{c}_L \gamma^\mu c_L)(\bar{s}_R \gamma_\mu s_R)$	R
V1udLR_2233	$(\bar{c}_L \gamma^\mu c_L)(\bar{b}_R \gamma_\mu b_R)$	R
V8udLR_1111	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8udLR_1122	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V8udLR_1133	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{b}_R \gamma_\mu T^A b_R)$	R
V8udLR_2211	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8udLR_2222	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V8udLR_2233	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{b}_R \gamma_\mu T^A b_R)$	R
V1duLR_1111	$(\bar{d}_L \gamma^\mu d_L)(\bar{u}_R \gamma_\mu u_R)$	R
V1duLR_1122	$(\bar{d}_L \gamma^\mu d_L)(\bar{c}_R \gamma_\mu c_R)$	R
V1duLR_2211	$(\bar{s}_L \gamma^\mu s_L)(\bar{u}_R \gamma_\mu u_R)$	R
V1duLR_2222	$(\bar{s}_L \gamma^\mu s_L)(\bar{c}_R \gamma_\mu c_R)$	R
V1duLR_3311	$(\bar{b}_L \gamma^\mu b_L)(\bar{u}_R \gamma_\mu u_R)$	R
V1duLR_3322	$(\bar{b}_L \gamma^\mu b_L)(\bar{c}_R \gamma_\mu c_R)$	R
V8duLR_1111	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8duLR_1122	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{c}_R \gamma_\mu T^A c_R)$	R
V8duLR_2211	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8duLR_2222	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{c}_R \gamma_\mu T^A c_R)$	R



WC name	Operator	Type
V8duLR_3311	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8duLR_3322	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{c}_R \gamma_\mu T^A c_R)$	R
V1ddLR_1111	$(\bar{d}_L \gamma^\mu d_L)(\bar{d}_R \gamma_\mu d_R)$	R
V1ddLR_1122	$(\bar{d}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu s_R)$	R
V1ddLR_1133	$(\bar{d}_L \gamma^\mu d_L)(\bar{b}_R \gamma_\mu b_R)$	R
V1ddLR_1221	$(\bar{d}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu d_R)$	C
V1ddLR_1331	$(\bar{d}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu d_R)$	C
V1ddLR_2211	$(\bar{s}_L \gamma^\mu s_L)(\bar{d}_R \gamma_\mu d_R)$	R
V1ddLR_2222	$(\bar{s}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu s_R)$	R
V1ddLR_2233	$(\bar{s}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu b_R)$	R
V1ddLR_2332	$(\bar{s}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu s_R)$	C
V1ddLR_3311	$(\bar{b}_L \gamma^\mu b_L)(\bar{d}_R \gamma_\mu d_R)$	R
V1ddLR_3322	$(\bar{b}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu s_R)$	R
V1ddLR_3333	$(\bar{b}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu b_R)$	R
V8ddLR_1111	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8ddLR_1122	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V8ddLR_1133	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{b}_R \gamma_\mu T^A b_R)$	R
V8ddLR_1221	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A d_R)$	C
V8ddLR_1331	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A d_R)$	C
V8ddLR_2211	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8ddLR_2222	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V8ddLR_2233	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A b_R)$	R
V8ddLR_2332	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A s_R)$	C
V8ddLR_3311	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8ddLR_3322	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V8ddLR_3333	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A b_R)$	R
V1udduLR_1111	$(\bar{u}_L \gamma^\mu d_L)(\bar{d}_R \gamma_\mu u_R)$	C
V1udduLR_1221	$(\bar{u}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu u_R)$	C
V1udduLR_1331	$(\bar{u}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu u_R)$	C
V1udduLR_2112	$(\bar{c}_L \gamma^\mu d_L)(\bar{d}_R \gamma_\mu c_R)$	C
V1udduLR_2222	$(\bar{c}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu c_R)$	C
V1udduLR_2332	$(\bar{c}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu c_R)$	C
V8udduLR_1111	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A u_R)$	C
V8udduLR_1221	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A u_R)$	C
V8udduLR_1331	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A u_R)$	C
V8udduLR_2112	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2222	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A c_R)$	C
V8udduLR_2332	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A c_R)$	C
SeuRL_1111	$(\bar{e}_L e_R)(\bar{u}_R u_L)$	C
SeuRL_1122	$(\bar{e}_L e_R)(\bar{c}_R c_L)$	C
SeuRL_2211	$(\bar{\mu}_L \mu_R)(\bar{u}_R u_L)$	C
SeuRL_2222	$(\bar{\mu}_L \mu_R)(\bar{c}_R c_L)$	C

WC name	Operator	Type
SeuRL_3311	$(\bar{\tau}_L \tau_R)(\bar{u}_R u_L)$	C
SeuRL_3322	$(\bar{\tau}_L \tau_R)(\bar{c}_R c_L)$	C
SedRL_1111	$(\bar{e}_L e_R)(\bar{d}_R d_L)$	C
SedRL_1122	$(\bar{e}_L e_R)(\bar{s}_R s_L)$	C
SedRL_1133	$(\bar{e}_L e_R)(\bar{b}_R b_L)$	C
SedRL_2211	$(\bar{\mu}_L \mu_R)(\bar{d}_R d_L)$	C
SedRL_2222	$(\bar{\mu}_L \mu_R)(\bar{s}_R s_L)$	C
SedRL_2233	$(\bar{\mu}_L \mu_R)(\bar{b}_R b_L)$	C
SedRL_3311	$(\bar{\tau}_L \tau_R)(\bar{d}_R d_L)$	C
SedRL_3322	$(\bar{\tau}_L \tau_R)(\bar{s}_R s_L)$	C
SedRL_3333	$(\bar{\tau}_L \tau_R)(\bar{b}_R b_L)$	C
SeeRR_1111	$(\bar{e}_L e_R)(\bar{e}_L e_R)$	C
SeeRR_1122	$(\bar{e}_L e_R)(\bar{\mu}_L \mu_R)$	C
SeeRR_1133	$(\bar{e}_L e_R)(\bar{\tau}_L \tau_R)$	C
SeeRR_1221	$(\bar{e}_L \mu_R)(\bar{\mu}_L e_R)$	C
SeeRR_1331	$(\bar{e}_L \tau_R)(\bar{\tau}_L e_R)$	C
SeeRR_2222	$(\bar{\mu}_L \mu_R)(\bar{\mu}_L \mu_R)$	C
SeeRR_2233	$(\bar{\mu}_L \mu_R)(\bar{\tau}_L \tau_R)$	C
SeeRR_2332	$(\bar{\mu}_L \tau_R)(\bar{\tau}_L \mu_R)$	C
SeeRR_3333	$(\bar{\tau}_L \tau_R)(\bar{\tau}_L \tau_R)$	C
SeuRR_1111	$(\bar{e}_L e_R)(\bar{u}_L u_R)$	C
SeuRR_1122	$(\bar{e}_L e_R)(\bar{c}_L c_R)$	C
SeuRR_2211	$(\bar{\mu}_L \mu_R)(\bar{u}_L u_R)$	C
SeuRR_2222	$(\bar{\mu}_L \mu_R)(\bar{c}_L c_R)$	C
SeuRR_3311	$(\bar{\tau}_L \tau_R)(\bar{u}_L u_R)$	C
SeuRR_3322	$(\bar{\tau}_L \tau_R)(\bar{c}_L c_R)$	C
TeuRR_1111	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_1122	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_2211	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_2222	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
TeuRR_3311	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_3322	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{c}_L \sigma_{\mu\nu} c_R)$	C
SedRR_1111	$(\bar{e}_L e_R)(\bar{d}_L d_R)$	C
SedRR_1122	$(\bar{e}_L e_R)(\bar{s}_L s_R)$	C
SedRR_1133	$(\bar{e}_L e_R)(\bar{b}_L b_R)$	C
SedRR_2211	$(\bar{\mu}_L \mu_R)(\bar{d}_L d_R)$	C
SedRR_2222	$(\bar{\mu}_L \mu_R)(\bar{s}_L s_R)$	C
SedRR_2233	$(\bar{\mu}_L \mu_R)(\bar{b}_L b_R)$	C
SedRR_3311	$(\bar{\tau}_L \tau_R)(\bar{d}_L d_R)$	C
SedRR_3322	$(\bar{\tau}_L \tau_R)(\bar{s}_L s_R)$	C
SedRR_3333	$(\bar{\tau}_L \tau_R)(\bar{b}_L b_R)$	C
TedRR_1111	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_1122	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C

WC name	Operator	Type
TedRR_1133	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
TedRR_2211	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_2222	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
TedRR_2233	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
TedRR_3311	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	C
TedRR_3322	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C
TedRR_3333	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{b}_L \sigma_{\mu\nu} b_R)$	C
S1uuRR_1111	$(\bar{u}_L u_R)(\bar{u}_L u_R)$	C
S1uuRR_1122	$(\bar{u}_L u_R)(\bar{c}_L c_R)$	C
S1uuRR_1221	$(\bar{u}_L c_R)(\bar{c}_L u_R)$	C
S1uuRR_2222	$(\bar{c}_L c_R)(\bar{c}_L c_R)$	C
S8uuRR_1111	$(\bar{u}_L T^A u_R)(\bar{u}_L T^A u_R)$	C
S8uuRR_1122	$(\bar{u}_L T^A u_R)(\bar{c}_L T^A c_R)$	C
S8uuRR_1221	$(\bar{u}_L T^A c_R)(\bar{c}_L T^A u_R)$	C
S8uuRR_2222	$(\bar{c}_L T^A c_R)(\bar{c}_L T^A c_R)$	C
S1udRR_1111	$(\bar{u}_L u_R)(\bar{d}_L d_R)$	C
S1udRR_1122	$(\bar{u}_L u_R)(\bar{s}_L s_R)$	C
S1udRR_1133	$(\bar{u}_L u_R)(\bar{b}_L b_R)$	C
S1udRR_2211	$(\bar{c}_L c_R)(\bar{d}_L d_R)$	C
S1udRR_2222	$(\bar{c}_L c_R)(\bar{s}_L s_R)$	C
S1udRR_2233	$(\bar{c}_L c_R)(\bar{b}_L b_R)$	C
S8udRR_1111	$(\bar{u}_L T^A u_R)(\bar{d}_L T^A d_R)$	C
S8udRR_1122	$(\bar{u}_L T^A u_R)(\bar{s}_L T^A s_R)$	C
S8udRR_1133	$(\bar{u}_L T^A u_R)(\bar{b}_L T^A b_R)$	C
S8udRR_2211	$(\bar{c}_L T^A c_R)(\bar{d}_L T^A d_R)$	C
S8udRR_2222	$(\bar{c}_L T^A c_R)(\bar{s}_L T^A s_R)$	C
S8udRR_2233	$(\bar{c}_L T^A c_R)(\bar{b}_L T^A b_R)$	C
S1ddRR_1111	$(\bar{d}_L d_R)(\bar{d}_L d_R)$	C
S1ddRR_1122	$(\bar{d}_L d_R)(\bar{s}_L s_R)$	C
S1ddRR_1133	$(\bar{d}_L d_R)(\bar{b}_L b_R)$	C
S1ddRR_1221	$(\bar{d}_L s_R)(\bar{s}_L d_R)$	C
S1ddRR_1331	$(\bar{d}_L b_R)(\bar{b}_L d_R)$	C
S1ddRR_2222	$(\bar{s}_L s_R)(\bar{s}_L s_R)$	C
S1ddRR_2233	$(\bar{s}_L s_R)(\bar{b}_L b_R)$	C
S1ddRR_2332	$(\bar{s}_L b_R)(\bar{b}_L s_R)$	C
S1ddRR_3333	$(\bar{b}_L b_R)(\bar{b}_L b_R)$	C
S8ddRR_1111	$(\bar{d}_L T^A d_R)(\bar{d}_L T^A d_R)$	C
S8ddRR_1122	$(\bar{d}_L T^A d_R)(\bar{s}_L T^A s_R)$	C
S8ddRR_1133	$(\bar{d}_L T^A d_R)(\bar{b}_L T^A b_R)$	C
S8ddRR_1221	$(\bar{d}_L T^A s_R)(\bar{s}_L T^A d_R)$	C
S8ddRR_1331	$(\bar{d}_L T^A b_R)(\bar{b}_L T^A d_R)$	C
S8ddRR_2222	$(\bar{s}_L T^A s_R)(\bar{s}_L T^A s_R)$	C
S8ddRR_2233	$(\bar{s}_L T^A s_R)(\bar{b}_L T^A b_R)$	C

WC name	Operator	Type
S8ddRR_2332	$(\bar{s}_L T^A b_R)(\bar{b}_L T^A s_R)$	C
S8ddRR_3333	$(\bar{b}_L T^A b_R)(\bar{b}_L T^A b_R)$	C
S1udduRR_1111	$(\bar{u}_L d_R)(\bar{d}_L u_R)$	C
S1udduRR_1221	$(\bar{u}_L s_R)(\bar{s}_L u_R)$	C
S1udduRR_1331	$(\bar{u}_L b_R)(\bar{b}_L u_R)$	C
S1udduRR_2112	$(\bar{c}_L d_R)(\bar{d}_L c_R)$	C
S1udduRR_2222	$(\bar{c}_L s_R)(\bar{s}_L c_R)$	C
S1udduRR_2332	$(\bar{c}_L b_R)(\bar{b}_L c_R)$	C
S8udduRR_1111	$(\bar{u}_L T^A d_R)(\bar{d}_L T^A u_R)$	C
S8udduRR_1221	$(\bar{u}_L T^A s_R)(\bar{s}_L T^A u_R)$	C
S8udduRR_1331	$(\bar{u}_L T^A b_R)(\bar{b}_L T^A u_R)$	C
S8udduRR_2112	$(\bar{c}_L T^A d_R)(\bar{d}_L T^A c_R)$	C
S8udduRR_2222	$(\bar{c}_L T^A s_R)(\bar{s}_L T^A c_R)$	C
S8udduRR_2332	$(\bar{c}_L T^A b_R)(\bar{b}_L T^A c_R)$	C
VnueLL_1211	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{e}_L \gamma_\mu e_L)$	C
VnueLL_1222	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\mu}_L \gamma_\mu \mu_L)$	C
VnueLL_1233	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\tau}_L \gamma_\mu \tau_L)$	C
VnuuLL_1211	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{u}_L \gamma_\mu u_L)$	C
VnuuLL_1222	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{c}_L \gamma_\mu c_L)$	C
VnudLL_1211	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{d}_L \gamma_\mu d_L)$	C
VnudLL_1222	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{s}_L \gamma_\mu s_L)$	C
VnudLL_1233	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{b}_L \gamma_\mu b_L)$	C
VnueLR_1211	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{e}_R \gamma_\mu e_R)$	C
VnueLR_1222	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VnueLR_1233	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{\tau}_R \gamma_\mu \tau_R)$	C
VnuuLR_1211	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{u}_R \gamma_\mu u_R)$	C
VnuuLR_1222	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{c}_R \gamma_\mu c_R)$	C
VnudLR_1211	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{d}_R \gamma_\mu d_R)$	C
VnudLR_1222	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{s}_R \gamma_\mu s_R)$	C
VnudLR_1233	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L2})(\bar{b}_R \gamma_\mu b_R)$	C
VnueLL_1311	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{e}_L \gamma_\mu e_L)$	C
VnueLL_1322	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{\mu}_L \gamma_\mu \mu_L)$	C
VnueLL_1333	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{\tau}_L \gamma_\mu \tau_L)$	C
VnuuLL_1311	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{u}_L \gamma_\mu u_L)$	C
VnuuLL_1322	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{c}_L \gamma_\mu c_L)$	C
VnudLL_1311	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{d}_L \gamma_\mu d_L)$	C
VnudLL_1322	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{s}_L \gamma_\mu s_L)$	C
VnudLL_1333	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{b}_L \gamma_\mu b_L)$	C
VnueLR_1311	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{e}_R \gamma_\mu e_R)$	C
VnueLR_1322	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{\mu}_R \gamma_\mu \mu_R)$	C
VnueLR_1333	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{\tau}_R \gamma_\mu \tau_R)$	C
VnuuLR_1311	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{u}_R \gamma_\mu u_R)$	C
VnuuLR_1322	$(\bar{\nu}_{L1} \gamma^\mu \nu_{L3})(\bar{c}_R \gamma_\mu c_R)$	C

WC name	Operator	Type
VnudLR_1311	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{d}_R\gamma_\mu d_R)$	C
VnudLR_1322	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{s}_R\gamma_\mu s_R)$	C
VnudLR_1333	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{b}_R\gamma_\mu b_R)$	C
VnueLL_2311	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{e}_L\gamma_\mu e_L)$	C
VnueLL_2322	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\mu}_L\gamma_\mu\mu_L)$	C
VnueLL_2333	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\tau}_L\gamma_\mu\tau_L)$	C
VnuuLL_2311	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{u}_L\gamma_\mu u_L)$	C
VnuuLL_2322	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{c}_L\gamma_\mu c_L)$	C
VnudLL_2311	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{d}_L\gamma_\mu d_L)$	C
VnudLL_2322	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{s}_L\gamma_\mu s_L)$	C
VnudLL_2333	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{b}_L\gamma_\mu b_L)$	C
VnueLR_2311	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{e}_R\gamma_\mu e_R)$	C
VnueLR_2322	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\mu}_R\gamma_\mu\mu_R)$	C
VnueLR_2333	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{\tau}_R\gamma_\mu\tau_R)$	C
VnuuLR_2311	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{u}_R\gamma_\mu u_R)$	C
VnuuLR_2322	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{c}_R\gamma_\mu c_R)$	C
VnudLR_2311	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{d}_R\gamma_\mu d_R)$	C
VnudLR_2322	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{s}_R\gamma_\mu s_R)$	C
VnudLR_2333	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{b}_R\gamma_\mu b_R)$	C

#### ubenu

WC name	Operator	Type
VnueduLL_1131	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_1131	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_1131	$(\bar{\nu}_{L1}e_R)(\bar{b}_R u_L)$	C
SnueduRR_1131	$(\bar{\nu}_{L1}e_R)(\bar{b}_L u_R)$	C
TnueduRR_1131	$(\bar{\nu}_{L1}\sigma^{\mu\nu}e_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2131	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_2131	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_2131	$(\bar{\nu}_{L2}e_R)(\bar{b}_R u_L)$	C
SnueduRR_2131	$(\bar{\nu}_{L2}e_R)(\bar{b}_L u_R)$	C
TnueduRR_2131	$(\bar{\nu}_{L2}\sigma^{\mu\nu}e_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3131	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_3131	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_3131	$(\bar{\nu}_{L3}e_R)(\bar{b}_R u_L)$	C
SnueduRR_3131	$(\bar{\nu}_{L3}e_R)(\bar{b}_L u_R)$	C
TnueduRR_3131	$(\bar{\nu}_{L3}\sigma^{\mu\nu}e_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C

#### ubmunu

WC name	Operator	Type
VnueduLL_1231	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_1231	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_1231	$(\bar{\nu}_{L1}\mu_R)(\bar{b}_R u_L)$	C
SnueduRR_1231	$(\bar{\nu}_{L1}\mu_R)(\bar{b}_L u_R)$	C
TnueduRR_1231	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\mu_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2231	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_2231	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_2231	$(\bar{\nu}_{L2}\mu_R)(\bar{b}_R u_L)$	C
SnueduRR_2231	$(\bar{\nu}_{L2}\mu_R)(\bar{b}_L u_R)$	C
TnueduRR_2231	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\mu_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3231	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_3231	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_3231	$(\bar{\nu}_{L3}\mu_R)(\bar{b}_R u_L)$	C
SnueduRR_3231	$(\bar{\nu}_{L3}\mu_R)(\bar{b}_L u_R)$	C
TnueduRR_3231	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\mu_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C

#### ubtaunu

WC name	Operator	Type
VnueduLL_1331	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_1331	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_1331	$(\bar{\nu}_{L1}\tau_R)(\bar{b}_R u_L)$	C
SnueduRR_1331	$(\bar{\nu}_{L1}\tau_R)(\bar{b}_L u_R)$	C
TnueduRR_1331	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\tau_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2331	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_2331	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_2331	$(\bar{\nu}_{L2}\tau_R)(\bar{b}_R u_L)$	C
SnueduRR_2331	$(\bar{\nu}_{L2}\tau_R)(\bar{b}_L u_R)$	C
TnueduRR_2331	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\tau_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3331	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{b}_L\gamma_\mu u_L)$	C
VnueduLR_3331	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{b}_R\gamma_\mu u_R)$	C
SnueduRL_3331	$(\bar{\nu}_{L3}\tau_R)(\bar{b}_R u_L)$	C
SnueduRR_3331	$(\bar{\nu}_{L3}\tau_R)(\bar{b}_L u_R)$	C
TnueduRR_3331	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\tau_R)(\bar{b}_L\sigma_{\mu\nu}u_R)$	C

#### cbenu

WC name	Operator	Type
VnueduLL_1132	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{b}_L\gamma_\mu c_L)$	C

WC name	Operator	Type
VnueduLR_1132	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{b}_R\gamma_\mu c_R)$	C
SnueduRL_1132	$(\bar{\nu}_{L1}e_R)(\bar{b}_R c_L)$	C
SnueduRR_1132	$(\bar{\nu}_{L1}e_R)(\bar{b}_L c_R)$	C
TnueduRR_1132	$(\bar{\nu}_{L1}\sigma^{\mu\nu}e_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2132	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{b}_L\gamma_\mu c_L)$	C
VnueduLR_2132	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{b}_R\gamma_\mu c_R)$	C
SnueduRL_2132	$(\bar{\nu}_{L2}e_R)(\bar{b}_R c_L)$	C
SnueduRR_2132	$(\bar{\nu}_{L2}e_R)(\bar{b}_L c_R)$	C
TnueduRR_2132	$(\bar{\nu}_{L2}\sigma^{\mu\nu}e_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_3132	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{b}_L\gamma_\mu c_L)$	C
VnueduLR_3132	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{b}_R\gamma_\mu c_R)$	C
SnueduRL_3132	$(\bar{\nu}_{L3}e_R)(\bar{b}_R c_L)$	C
SnueduRR_3132	$(\bar{\nu}_{L3}e_R)(\bar{b}_L c_R)$	C
TnueduRR_3132	$(\bar{\nu}_{L3}\sigma^{\mu\nu}e_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C

#### cbmunu

WC name	Operator	Type
VnueduLL_1232	$(\bar{\nu}_{L1}\gamma^\mu \mu_L)(\bar{b}_L\gamma_\mu c_L)$	C
VnueduLR_1232	$(\bar{\nu}_{L1}\gamma^\mu \mu_L)(\bar{b}_R\gamma_\mu c_R)$	C
SnueduRL_1232	$(\bar{\nu}_{L1}\mu_R)(\bar{b}_R c_L)$	C
SnueduRR_1232	$(\bar{\nu}_{L1}\mu_R)(\bar{b}_L c_R)$	C
TnueduRR_1232	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\mu_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2232	$(\bar{\nu}_{L2}\gamma^\mu \mu_L)(\bar{b}_L\gamma_\mu c_L)$	C
VnueduLR_2232	$(\bar{\nu}_{L2}\gamma^\mu \mu_L)(\bar{b}_R\gamma_\mu c_R)$	C
SnueduRL_2232	$(\bar{\nu}_{L2}\mu_R)(\bar{b}_R c_L)$	C
SnueduRR_2232	$(\bar{\nu}_{L2}\mu_R)(\bar{b}_L c_R)$	C
TnueduRR_2232	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\mu_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_3232	$(\bar{\nu}_{L3}\gamma^\mu \mu_L)(\bar{b}_L\gamma_\mu c_L)$	C
VnueduLR_3232	$(\bar{\nu}_{L3}\gamma^\mu \mu_L)(\bar{b}_R\gamma_\mu c_R)$	C
SnueduRL_3232	$(\bar{\nu}_{L3}\mu_R)(\bar{b}_R c_L)$	C
SnueduRR_3232	$(\bar{\nu}_{L3}\mu_R)(\bar{b}_L c_R)$	C
TnueduRR_3232	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\mu_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C

#### cbtaunu

WC name	Operator	Type
VnueduLL_1332	$(\bar{\nu}_{L1}\gamma^\mu \tau_L)(\bar{b}_L\gamma_\mu c_L)$	C
VnueduLR_1332	$(\bar{\nu}_{L1}\gamma^\mu \tau_L)(\bar{b}_R\gamma_\mu c_R)$	C

WC name	Operator	Type
SnueduRL_1332	$(\bar{\nu}_{L1}\tau_R)(\bar{b}_R c_L)$	C
SnueduRR_1332	$(\bar{\nu}_{L1}\tau_R)(\bar{b}_L c_R)$	C
TnueduRR_1332	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\tau_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2332	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{b}_L\gamma_\mu c_L)$	C
VnueduLR_2332	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{b}_R\gamma_\mu c_R)$	C
SnueduRL_2332	$(\bar{\nu}_{L2}\tau_R)(\bar{b}_R c_L)$	C
SnueduRR_2332	$(\bar{\nu}_{L2}\tau_R)(\bar{b}_L c_R)$	C
TnueduRR_2332	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\tau_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_3332	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{b}_L\gamma_\mu c_L)$	C
VnueduLR_3332	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{b}_R\gamma_\mu c_R)$	C
SnueduRL_3332	$(\bar{\nu}_{L3}\tau_R)(\bar{b}_R c_L)$	C
SnueduRR_3332	$(\bar{\nu}_{L3}\tau_R)(\bar{b}_L c_R)$	C
TnueduRR_3332	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\tau_R)(\bar{b}_L\sigma_{\mu\nu}c_R)$	C

#### usenu

WC name	Operator	Type
VnueduLL_1121	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_1121	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_1121	$(\bar{\nu}_{L1}e_R)(\bar{s}_R u_L)$	C
SnueduRR_1121	$(\bar{\nu}_{L1}e_R)(\bar{s}_L u_R)$	C
TnueduRR_1121	$(\bar{\nu}_{L1}\sigma^{\mu\nu}e_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2121	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_2121	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_2121	$(\bar{\nu}_{L2}e_R)(\bar{s}_R u_L)$	C
SnueduRR_2121	$(\bar{\nu}_{L2}e_R)(\bar{s}_L u_R)$	C
TnueduRR_2121	$(\bar{\nu}_{L2}\sigma^{\mu\nu}e_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3121	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_3121	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_3121	$(\bar{\nu}_{L3}e_R)(\bar{s}_R u_L)$	C
SnueduRR_3121	$(\bar{\nu}_{L3}e_R)(\bar{s}_L u_R)$	C
TnueduRR_3121	$(\bar{\nu}_{L3}\sigma^{\mu\nu}e_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C

#### usmunu

WC name	Operator	Type
VnueduLL_1221	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_1221	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_1221	$(\bar{\nu}_{L1}\mu_R)(\bar{s}_R u_L)$	C
SnueduRR_1221	$(\bar{\nu}_{L1}\mu_R)(\bar{s}_L u_R)$	C



WC name	Operator	Type
TnueduRR_1221	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2221	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_2221	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_2221	$(\bar{\nu}_{L2}\mu_R)(\bar{s}_Ru_L)$	C
SnueduRR_2221	$(\bar{\nu}_{L2}\mu_R)(\bar{s}_Lu_R)$	C
TnueduRR_2221	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3221	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_3221	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_3221	$(\bar{\nu}_{L3}\mu_R)(\bar{s}_Ru_L)$	C
SnueduRR_3221	$(\bar{\nu}_{L3}\mu_R)(\bar{s}_Lu_R)$	C
TnueduRR_3221	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C

#### ustaunu

WC name	Operator	Type
VnueduLL_1321	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_1321	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_1321	$(\bar{\nu}_{L1}\tau_R)(\bar{s}_Ru_L)$	C
SnueduRR_1321	$(\bar{\nu}_{L1}\tau_R)(\bar{s}_Lu_R)$	C
TnueduRR_1321	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\tau_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2321	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_2321	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_2321	$(\bar{\nu}_{L2}\tau_R)(\bar{s}_Ru_L)$	C
SnueduRR_2321	$(\bar{\nu}_{L2}\tau_R)(\bar{s}_Lu_R)$	C
TnueduRR_2321	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\tau_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3321	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{s}_L\gamma_\mu u_L)$	C
VnueduLR_3321	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{s}_R\gamma_\mu u_R)$	C
SnueduRL_3321	$(\bar{\nu}_{L3}\tau_R)(\bar{s}_Ru_L)$	C
SnueduRR_3321	$(\bar{\nu}_{L3}\tau_R)(\bar{s}_Lu_R)$	C
TnueduRR_3321	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\tau_R)(\bar{s}_L\sigma_{\mu\nu}u_R)$	C

#### csenu

WC name	Operator	Type
VnueduLL_1122	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{s}_L\gamma_\mu c_L)$	C
VnueduLR_1122	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_1122	$(\bar{\nu}_{L1}e_R)(\bar{s}_Rc_L)$	C
SnueduRR_1122	$(\bar{\nu}_{L1}e_R)(\bar{s}_Lc_R)$	C
TnueduRR_1122	$(\bar{\nu}_{L1}\sigma^{\mu\nu}e_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2122	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{s}_L\gamma_\mu c_L)$	C

WC name	Operator	Type
VnueduLR_2122	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_2122	$(\bar{\nu}_{L2}e_R)(\bar{s}_R c_L)$	C
SnueduRR_2122	$(\bar{\nu}_{L2}e_R)(\bar{s}_L c_R)$	C
TnueduRR_2122	$(\bar{\nu}_{L2}\sigma^{\mu\nu}e_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_3122	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{s}_L\gamma_\mu c_L)$	C
VnueduLR_3122	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_3122	$(\bar{\nu}_{L3}e_R)(\bar{s}_R c_L)$	C
SnueduRR_3122	$(\bar{\nu}_{L3}e_R)(\bar{s}_L c_R)$	C
TnueduRR_3122	$(\bar{\nu}_{L3}\sigma^{\mu\nu}e_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C

#### csmunu

WC name	Operator	Type
VnueduLL_1222	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{s}_L\gamma_\mu c_L)$	C
VnueduLR_1222	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_1222	$(\bar{\nu}_{L1}\mu_R)(\bar{s}_R c_L)$	C
SnueduRR_1222	$(\bar{\nu}_{L1}\mu_R)(\bar{s}_L c_R)$	C
TnueduRR_1222	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2222	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{s}_L\gamma_\mu c_L)$	C
VnueduLR_2222	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_2222	$(\bar{\nu}_{L2}\mu_R)(\bar{s}_R c_L)$	C
SnueduRR_2222	$(\bar{\nu}_{L2}\mu_R)(\bar{s}_L c_R)$	C
TnueduRR_2222	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_3222	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{s}_L\gamma_\mu c_L)$	C
VnueduLR_3222	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_3222	$(\bar{\nu}_{L3}\mu_R)(\bar{s}_R c_L)$	C
SnueduRR_3222	$(\bar{\nu}_{L3}\mu_R)(\bar{s}_L c_R)$	C
TnueduRR_3222	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\mu_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C

#### cstaunu

WC name	Operator	Type
VnueduLL_1322	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{s}_L\gamma_\mu c_L)$	C
VnueduLR_1322	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_1322	$(\bar{\nu}_{L1}\tau_R)(\bar{s}_R c_L)$	C
SnueduRR_1322	$(\bar{\nu}_{L1}\tau_R)(\bar{s}_L c_R)$	C
TnueduRR_1322	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\tau_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2322	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{s}_L\gamma_\mu c_L)$	C
VnueduLR_2322	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_2322	$(\bar{\nu}_{L2}\tau_R)(\bar{s}_R c_L)$	C

WC name	Operator	Type
SnueduRR_2322	$(\bar{\nu}_{L2}\tau_R)(\bar{s}_L c_R)$	C
TnueduRR_2322	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\tau_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_3322	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{s}_L\gamma_\mu c_L)$	C
VnueduLR_3322	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{s}_R\gamma_\mu c_R)$	C
SnueduRL_3322	$(\bar{\nu}_{L3}\tau_R)(\bar{s}_R c_L)$	C
SnueduRR_3322	$(\bar{\nu}_{L3}\tau_R)(\bar{s}_L c_R)$	C
TnueduRR_3322	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\tau_R)(\bar{s}_L\sigma_{\mu\nu}c_R)$	C

#### udenu

WC name	Operator	Type
VnueduLL_1111	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_1111	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_1111	$(\bar{\nu}_{L1}e_R)(\bar{d}_R u_L)$	C
SnueduRR_1111	$(\bar{\nu}_{L1}e_R)(\bar{d}_L u_R)$	C
TnueduRR_1111	$(\bar{\nu}_{L1}\sigma^{\mu\nu}e_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2111	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_2111	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_2111	$(\bar{\nu}_{L2}e_R)(\bar{d}_R u_L)$	C
SnueduRR_2111	$(\bar{\nu}_{L2}e_R)(\bar{d}_L u_R)$	C
TnueduRR_2111	$(\bar{\nu}_{L2}\sigma^{\mu\nu}e_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3111	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_3111	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_3111	$(\bar{\nu}_{L3}e_R)(\bar{d}_R u_L)$	C
SnueduRR_3111	$(\bar{\nu}_{L3}e_R)(\bar{d}_L u_R)$	C
TnueduRR_3111	$(\bar{\nu}_{L3}\sigma^{\mu\nu}e_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C

#### udmunu

WC name	Operator	Type
VnueduLL_1211	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_1211	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_1211	$(\bar{\nu}_{L1}\mu_R)(\bar{d}_R u_L)$	C
SnueduRR_1211	$(\bar{\nu}_{L1}\mu_R)(\bar{d}_L u_R)$	C
TnueduRR_1211	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2211	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_2211	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_2211	$(\bar{\nu}_{L2}\mu_R)(\bar{d}_R u_L)$	C
SnueduRR_2211	$(\bar{\nu}_{L2}\mu_R)(\bar{d}_L u_R)$	C

WC name	Operator	Type
TnueduRR_2211	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3211	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_3211	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_3211	$(\bar{\nu}_{L3}\mu_R)(\bar{d}_Ru_L)$	C
SnueduRR_3211	$(\bar{\nu}_{L3}\mu_R)(\bar{d}_Lu_R)$	C
TnueduRR_3211	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C

#### udtaunu

WC name	Operator	Type
VnueduLL_1311	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_1311	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_1311	$(\bar{\nu}_{L1}\tau_R)(\bar{d}_Ru_L)$	C
SnueduRR_1311	$(\bar{\nu}_{L1}\tau_R)(\bar{d}_Lu_R)$	C
TnueduRR_1311	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\tau_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_2311	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_2311	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_2311	$(\bar{\nu}_{L2}\tau_R)(\bar{d}_Ru_L)$	C
SnueduRR_2311	$(\bar{\nu}_{L2}\tau_R)(\bar{d}_Lu_R)$	C
TnueduRR_2311	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\tau_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C
VnueduLL_3311	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{d}_L\gamma_\mu u_L)$	C
VnueduLR_3311	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{d}_R\gamma_\mu u_R)$	C
SnueduRL_3311	$(\bar{\nu}_{L3}\tau_R)(\bar{d}_Ru_L)$	C
SnueduRR_3311	$(\bar{\nu}_{L3}\tau_R)(\bar{d}_Lu_R)$	C
TnueduRR_3311	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\tau_R)(\bar{d}_L\sigma_{\mu\nu}u_R)$	C

#### cdenu

WC name	Operator	Type
VnueduLL_1112	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{d}_L\gamma_\mu c_L)$	C
VnueduLR_1112	$(\bar{\nu}_{L1}\gamma^\mu e_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_1112	$(\bar{\nu}_{L1}e_R)(\bar{d}_Rc_L)$	C
SnueduRR_1112	$(\bar{\nu}_{L1}e_R)(\bar{d}_Lc_R)$	C
TnueduRR_1112	$(\bar{\nu}_{L1}\sigma^{\mu\nu}e_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2112	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{d}_L\gamma_\mu c_L)$	C
VnueduLR_2112	$(\bar{\nu}_{L2}\gamma^\mu e_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_2112	$(\bar{\nu}_{L2}e_R)(\bar{d}_Rc_L)$	C
SnueduRR_2112	$(\bar{\nu}_{L2}e_R)(\bar{d}_Lc_R)$	C
TnueduRR_2112	$(\bar{\nu}_{L2}\sigma^{\mu\nu}e_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C

WC name	Operator	Type
VnueduLL_3112	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{d}_L\gamma_\mu c_L)$	C
VnueduLR_3112	$(\bar{\nu}_{L3}\gamma^\mu e_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_3112	$(\bar{\nu}_{L3}e_R)(\bar{d}_R c_L)$	C
SnueduRR_3112	$(\bar{\nu}_{L3}e_R)(\bar{d}_L c_R)$	C
TnueduRR_3112	$(\bar{\nu}_{L3}\sigma^{\mu\nu}e_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C

#### cdmunu

WC name	Operator	Type
VnueduLL_1212	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{d}_L\gamma_\mu c_L)$	C
VnueduLR_1212	$(\bar{\nu}_{L1}\gamma^\mu\mu_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_1212	$(\bar{\nu}_{L1}\mu_R)(\bar{d}_R c_L)$	C
SnueduRR_1212	$(\bar{\nu}_{L1}\mu_R)(\bar{d}_L c_R)$	C
TnueduRR_1212	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2212	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{d}_L\gamma_\mu c_L)$	C
VnueduLR_2212	$(\bar{\nu}_{L2}\gamma^\mu\mu_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_2212	$(\bar{\nu}_{L2}\mu_R)(\bar{d}_R c_L)$	C
SnueduRR_2212	$(\bar{\nu}_{L2}\mu_R)(\bar{d}_L c_R)$	C
TnueduRR_2212	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_3212	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{d}_L\gamma_\mu c_L)$	C
VnueduLR_3212	$(\bar{\nu}_{L3}\gamma^\mu\mu_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_3212	$(\bar{\nu}_{L3}\mu_R)(\bar{d}_R c_L)$	C
SnueduRR_3212	$(\bar{\nu}_{L3}\mu_R)(\bar{d}_L c_R)$	C
TnueduRR_3212	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\mu_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C

#### cdtaunu

WC name	Operator	Type
VnueduLL_1312	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{d}_L\gamma_\mu c_L)$	C
VnueduLR_1312	$(\bar{\nu}_{L1}\gamma^\mu\tau_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_1312	$(\bar{\nu}_{L1}\tau_R)(\bar{d}_R c_L)$	C
SnueduRR_1312	$(\bar{\nu}_{L1}\tau_R)(\bar{d}_L c_R)$	C
TnueduRR_1312	$(\bar{\nu}_{L1}\sigma^{\mu\nu}\tau_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_2312	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{d}_L\gamma_\mu c_L)$	C
VnueduLR_2312	$(\bar{\nu}_{L2}\gamma^\mu\tau_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_2312	$(\bar{\nu}_{L2}\tau_R)(\bar{d}_R c_L)$	C
SnueduRR_2312	$(\bar{\nu}_{L2}\tau_R)(\bar{d}_L c_R)$	C
TnueduRR_2312	$(\bar{\nu}_{L2}\sigma^{\mu\nu}\tau_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C
VnueduLL_3312	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{d}_L\gamma_\mu c_L)$	C

WC name	Operator	Type
VnueduLR_3312	$(\bar{\nu}_{L3}\gamma^\mu\tau_L)(\bar{d}_R\gamma_\mu c_R)$	C
SnueduRL_3312	$(\bar{\nu}_{L3}\tau_R)(\bar{d}_R c_L)$	C
SnueduRR_3312	$(\bar{\nu}_{L3}\tau_R)(\bar{d}_L c_R)$	C
TnueduRR_3312	$(\bar{\nu}_{L3}\sigma^{\mu\nu}\tau_R)(\bar{d}_L\sigma_{\mu\nu}c_R)$	C

**sbnunu**

WC name	Operator	Type
VnudLL_1123	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{s}_L\gamma_\mu b_L)$	C
VnudLL_2223	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{s}_L\gamma_\mu b_L)$	C
VnudLL_3323	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{s}_L\gamma_\mu b_L)$	C
VnudLR_1123	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{s}_R\gamma_\mu b_R)$	C
VnudLR_2223	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{s}_R\gamma_\mu b_R)$	C
VnudLR_3323	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{s}_R\gamma_\mu b_R)$	C
VnudLL_1232	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{b}_L\gamma_\mu s_L)$	C
VnudLR_1232	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{b}_R\gamma_\mu s_R)$	C
VnudLL_1332	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{b}_L\gamma_\mu s_L)$	C
VnudLR_1332	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{b}_R\gamma_\mu s_R)$	C
VnudLL_1223	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{s}_L\gamma_\mu b_L)$	C
VnudLR_1223	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{s}_R\gamma_\mu b_R)$	C
VnudLL_2332	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{b}_L\gamma_\mu s_L)$	C
VnudLR_2332	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{b}_R\gamma_\mu s_R)$	C
VnudLL_1323	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{s}_L\gamma_\mu b_L)$	C
VnudLR_1323	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{s}_R\gamma_\mu b_R)$	C
VnudLL_2323	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{s}_L\gamma_\mu b_L)$	C
VnudLR_2323	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{s}_R\gamma_\mu b_R)$	C

**dbnunu**

WC name	Operator	Type
VnudLL_1113	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{d}_L\gamma_\mu b_L)$	C
VnudLL_2213	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{d}_L\gamma_\mu b_L)$	C
VnudLL_3313	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{d}_L\gamma_\mu b_L)$	C
VnudLR_1113	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{d}_R\gamma_\mu b_R)$	C
VnudLR_2213	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{d}_R\gamma_\mu b_R)$	C
VnudLR_3313	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{d}_R\gamma_\mu b_R)$	C
VnudLL_1231	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{b}_L\gamma_\mu d_L)$	C
VnudLR_1231	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{b}_R\gamma_\mu d_R)$	C
VnudLL_1331	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{b}_L\gamma_\mu d_L)$	C
VnudLR_1331	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{b}_R\gamma_\mu d_R)$	C

WC name	Operator	Type
VnudLL_1213	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{d}_L\gamma_\mu b_L)$	C
VnudLR_1213	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{d}_R\gamma_\mu b_R)$	C
VnudLL_2331	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{b}_L\gamma_\mu d_L)$	C
VnudLR_2331	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{b}_R\gamma_\mu d_R)$	C
VnudLL_1313	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{d}_L\gamma_\mu b_L)$	C
VnudLR_1313	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{d}_R\gamma_\mu b_R)$	C
VnudLL_2313	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{d}_L\gamma_\mu b_L)$	C
VnudLR_2313	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{d}_R\gamma_\mu b_R)$	C

### sdnunu

WC name	Operator	Type
VnudLL_1112	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{d}_L\gamma_\mu s_L)$	C
VnudLL_2212	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{d}_L\gamma_\mu s_L)$	C
VnudLL_3312	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{d}_L\gamma_\mu s_L)$	C
VnudLR_1112	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{d}_R\gamma_\mu s_R)$	C
VnudLR_2212	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{d}_R\gamma_\mu s_R)$	C
VnudLR_3312	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{d}_R\gamma_\mu s_R)$	C
VnudLL_1221	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{s}_L\gamma_\mu d_L)$	C
VnudLR_1221	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{s}_R\gamma_\mu d_R)$	C
VnudLL_1321	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{s}_L\gamma_\mu d_L)$	C
VnudLR_1321	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{s}_R\gamma_\mu d_R)$	C
VnudLL_1212	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{d}_L\gamma_\mu s_L)$	C
VnudLR_1212	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{d}_R\gamma_\mu s_R)$	C
VnudLL_2321	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{s}_L\gamma_\mu d_L)$	C
VnudLR_2321	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{s}_R\gamma_\mu d_R)$	C
VnudLL_1312	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{d}_L\gamma_\mu s_L)$	C
VnudLR_1312	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{d}_R\gamma_\mu s_R)$	C
VnudLL_2312	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{d}_L\gamma_\mu s_L)$	C
VnudLR_2312	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{d}_R\gamma_\mu s_R)$	C

### cununu

WC name	Operator	Type
VnuuLL_1112	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{u}_L\gamma_\mu c_L)$	C
VnuuLL_2212	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{u}_L\gamma_\mu c_L)$	C
VnuuLL_3312	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{u}_L\gamma_\mu c_L)$	C
VnuuLR_1112	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L1})(\bar{u}_R\gamma_\mu c_R)$	C
VnuuLR_2212	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L2})(\bar{u}_R\gamma_\mu c_R)$	C
VnuuLR_3312	$(\bar{\nu}_{L3}\gamma^\mu\nu_{L3})(\bar{u}_R\gamma_\mu c_R)$	C

WC name	Operator	Type
VnuuLL_1221	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{c}_L\gamma_\mu u_L)$	C
VnuuLR_1221	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{c}_R\gamma_\mu u_R)$	C
VnuuLL_1321	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{c}_L\gamma_\mu u_L)$	C
VnuuLR_1321	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{c}_R\gamma_\mu u_R)$	C
VnuuLL_1212	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{u}_L\gamma_\mu c_L)$	C
VnuuLR_1212	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L2})(\bar{u}_R\gamma_\mu c_R)$	C
VnuuLL_2321	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{c}_L\gamma_\mu u_L)$	C
VnuuLR_2321	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{c}_R\gamma_\mu u_R)$	C
VnuuLL_1312	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{u}_L\gamma_\mu c_L)$	C
VnuuLR_1312	$(\bar{\nu}_{L1}\gamma^\mu\nu_{L3})(\bar{u}_R\gamma_\mu c_R)$	C
VnuuLL_2312	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{u}_L\gamma_\mu c_L)$	C
VnuuLR_2312	$(\bar{\nu}_{L2}\gamma^\mu\nu_{L3})(\bar{u}_R\gamma_\mu c_R)$	C