$Basis \; \mathtt{Warsaw} \; \; \mathtt{mass} \; (EFT \; \mathtt{SMEFT})$

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	$f^{ABC}G^{A u}_{\mu}G^{B ho}_{ u}G^{C\mu}_{ ho}$	R
Gtilde	$f^{ABC}\widetilde{G}^{A u}_{\mu}G^{B ho}_{ u}G^{C\mu}_{ ho}$	R
W	$\epsilon^{IJK}W_{\mu}^{I u}W_{ u}^{J ho}W_{ ho}^{K\mu}$	R
Wtilde	$\epsilon^{IJK}\widetilde{W}_{\mu}^{I u}W_{ u}^{J ho}W_{ ho}^{K\mu}$	R
phi	$\left(arphi^\daggerarphi ight)^3$	R
phiBox	$\left(arphi^\daggerarphi ight)\square\left(arphi^\daggerarphi ight)$	R
phiD	$\left(arphi^\dagger D^\mu arphi ight)^* \left(arphi^\dagger D_\mu arphi ight)$	R
phiG	$arphi^\dagger arphi G^A_{\mu u} G^{A\mu u}$	R
phiB	$arphi^\dagger arphi B_{\mu u} B^{\mu u}$	R
phiW	$arphi^\dagger arphi W^I_{\mu u} W^{I\mu u}$	R
phiWB	$arphi^\dagger au^I arphi W^I_{\mu u} B^{\mu u}$	R
phiGtilde	$arphi^\dagger arphi \widetilde{G}^A_{\mu u} G^{A \mu u}$	R
phiBtilde	$arphi^\dagger arphi \widetilde{B}_{\mu u} B^{\mu u}$	R
phiWtilde	$arphi^\dagger arphi \widetilde{W}^I_{\mu u} W^{I \mu u}$	R
phiWtildeB	$arphi^\dagger au^I arphi \widetilde{W}^I_{\mu u} B^{\mu u}$	R
uphi_11	$\left(arphi^\daggerarphi ight)\left(ar{q}_1u_1\widetilde{arphi} ight)$	$^{\mathrm{C}}$
uphi_12	$\left(arphi^\daggerarphi ight)\left(ar{q}_1u_2\widetilde{arphi} ight)$	\mathbf{C}
uphi_13	$\left(arphi^\daggerarphi ight)\left(ar{q}_1u_3\widetilde{arphi} ight)$	\mathbf{C}
uphi_21	$\left(arphi_{_{\perp}}^{\dagger}arphi ight)\left(ar{q}_{2}u_{1}\widetilde{arphi} ight)$	C
uphi_22	$\left(arphi_{_{+}}^{\dagger}arphi ight)\left(\overline{q}_{2}u_{2}\widetilde{\widetilde{arphi}} ight)$	$\stackrel{ ext{C}}{ ilde{ ilde{c}}}$
uphi_23	$\left\langle arphi^\dagger arphi ight angle \left(ar{q}_2 u_3 \widetilde{arphi} ight)$	C
uphi_31	$\left\langle arphi^\dagger arphi ight angle \left(ar{q}_3 u_1 \widetilde{arphi} ight)$	C
uphi_32	$\left(\varphi^{\dagger}\varphi\right)\left(\bar{q}_{3}u_{2}\widetilde{\varphi}\right)$	C C
uphi_33	$egin{array}{l} \left(arphi^\daggerarphi ight)\left(ar{q}_3u_3\widetilde{arphi} ight) \ \left(arphi^\daggerarphi ight)\left(ar{q}_1d_1arphi ight) \end{array}$	C
dphi_11 dphi_12		C
dphi_13	$egin{array}{l} \left(arphi^{\dagger}arphi ight)\left(ar{q}_{1}d_{2}arphi ight) \ \left(arphi^{\dagger}arphi ight)\left(ar{q}_{1}d_{3}arphi ight) \end{array}$	C
dphi_13	$(\varphi^{\dagger}\varphi)(q_1u_3\varphi) \ (\varphi^{\dagger}\varphi)(\bar{q}_2d_1\varphi)$	C
dphi_22	$\left(arphi^{\dagger} arphi ight) \left(ar{q}_2 d_2 arphi ight)$	$\overset{\circ}{\mathrm{C}}$

WC name	Operator	Type
dphi_23	$\left(arphi^{\dagger}arphi ight)\left(ar{q}_{2}d_{3}arphi ight)$	С
dphi_31	$\left(arphi^\daggerarphi ight)\left(ar{q}_3d_1arphi ight)$	\mathbf{C}
dphi_32	$\left(arphi^\daggerarphi ight)\left(ar{q}_3d_2arphi ight)$	\mathbf{C}
dphi_33	$\left(arphi^\daggerarphi ight)\left(ar{q}_3d_3arphi ight)$	\mathbf{C}
ephi_11	$\left(arphi^\daggerarphi ight)\left(ar\ell_1e_1arphi ight)$	\mathbf{C}
ephi_12	$\left(arphi^\daggerarphi ight)\left(ar\ell_1e_2arphi ight)$	\mathbf{C}
ephi_13	$\left(arphi^\daggerarphi ight)\left(ar\ell_1e_3arphi ight)$	\mathbf{C}
ephi_21	$\left(arphi^\daggerarphi ight)\left(ar\ell_2e_1arphi ight)$	\mathbf{C}
ephi_22	$\left(arphi^\daggerarphi ight)\left(ar\ell_2e_2arphi ight)$	\mathbf{C}
ephi_23	$\left(arphi^\daggerarphi ight)\left(ar\ell_2e_3arphi ight)$	\mathbf{C}
ephi_31	$\left(arphi^\daggerarphi ight)\left(ar\ell_3e_1arphi ight)$	\mathbf{C}
ephi_32	$\left(arphi^\daggerarphi ight)\left(ar\ell_3e_2arphi ight)$	\mathbf{C}
ephi_33	$\left(arphi^\daggerarphi ight)\left(ar\ell_3e_3arphi ight)$	\mathbf{C}
eW_11	$\left(ar{\ell}_1\sigma^{\mu u}e_1 ight) au^Iarphi W^I_{\mu u}$	\mathbf{C}
eW_12	$\left(ar{\ell}_1\sigma^{\mu u}e_2 ight) au^Iarphi W^I_{\mu u}$	\mathbf{C}
eW_13	$\left(ar{\ell}_1\sigma^{\mu u}e_3 ight) au^Iarphi W^I_{\mu u}$	\mathbf{C}
eW_21	$\left(\bar{\ell}_2\sigma^{\mu u}e_1\right) au^Iarphi W^I_{\mu u}$	\mathbf{C}
eW_22	$(\bar{\ell}_2 \sigma^{\mu u} e_2) au^I \varphi W^I_{\mu u}$	\mathbf{C}
eW_23	$(\bar{\ell}_2 \sigma^{\mu u} e_3) au^I \varphi W^I_{\mu u}$	\mathbf{C}
eW_31	$(\bar{\ell}_3 \sigma^{\mu\nu} e_1) \tau^I \varphi W^I_{\mu\nu}$	\mathbf{C}
eW_32	$(\bar{\ell}_3 \sigma^{\mu\nu} e_2) \tau^I \varphi W_{\mu\nu}^{II}$	\mathbf{C}
eW_33	$(\bar{\ell}_3 \sigma^{\mu\nu} e_3) \tau^I \varphi W_{\mu\nu}^{I}$	\mathbf{C}
eB_11	$\left(\bar{\ell}_1\sigma^{\mu\nu}e_1\right)\varphi B_{\mu\nu}$	\mathbf{C}
eB_12	$(\bar{\ell}_1 \sigma^{\mu \nu} e_2) \varphi B_{\mu \nu}$	\mathbf{C}
eB_13	$\left(\bar{\ell}_1\sigma^{\mu u}e_3\right)arphi B_{\mu u}$	\mathbf{C}
eB_21	$(\bar{\ell}_2 \sigma^{\mu\nu} e_1) \varphi B_{\mu\nu}$	\mathbf{C}
eB_22	$(\bar{\ell}_2 \sigma^{\mu\nu} e_2) \varphi B_{\mu\nu}$	\mathbf{C}
eB_23	$(\bar{\ell}_2 \sigma^{\mu\nu} e_3) \varphi B_{\mu\nu}$	\mathbf{C}
eB_31	$(\bar{\ell}_3 \sigma^{\mu\nu} e_1) \varphi B_{\mu\nu}$	\mathbf{C}
eB_32	$(\bar{\ell}_3 \sigma^{\mu\nu} e_2) \varphi B_{\mu\nu}$	\mathbf{C}
eB_33	$(\bar{\ell}_3 \sigma^{\mu\nu} e_3) \varphi B_{\mu\nu}$	\mathbf{C}
uG_11	$\left(\bar{q}_1\sigma^{\mu\nu}T^Au_1\right)\widetilde{\varphi}G^A_{\mu\nu}$	\mathbf{C}
uG_12	$(\bar{q}_1 \sigma^{\mu\nu} T^A u_2) \widetilde{\varphi} G^A_{\mu\nu}$	\mathbf{C}
uG_13	$(\bar{q}_1 \sigma^{\mu\nu} T^A u_3) \widetilde{\varphi} G^A_{\mu\nu}$	\mathbf{C}
uG_21	$\left(ar{q}_2\sigma^{\mu u}T^A_{}u_1 ight)\widetilde{arphi}G^A_{\mu u}$	\mathbf{C}
uG_22	$(\bar{q}_2\sigma^{\mu u}T^Au_2)\widetilde{arphi}G^A_{\mu u}$	\mathbf{C}
uG_23	$\left(\bar{q}_2\sigma^{\mu\nu}T^Au_3\right)\widetilde{\varphi}G^A_{\mu\nu}$	\mathbf{C}
uG_31	$(\bar{q}_3\sigma^{\mu\nu}T^Au_1)\widetilde{\varphi}G^A_{\mu\nu}$	\mathbf{C}
uG_32	$\left(\bar{q}_{3}\sigma^{\mu\nu}T^{A}u_{2}\right)\widetilde{\varphi}G_{\mu\nu}^{A}$	\mathbf{C}
uG_33	$\left(\bar{q}_3\sigma^{\mu\nu}T^Au_3\right)\widetilde{\varphi}G^A_{\mu\nu}$	\mathbf{C}
uW_11	$(ar{q}_1\sigma^{\mu u}u_1) au^I\widetilde{arphi}W^I_{\mu u}$	\mathbf{C}
uW_12	$\left(ar{q}_1\sigma^{\mu u}u_2 ight) au^I\widetilde{arphi}W^I_{\mu u}$	\mathbf{C}

$\begin{array}{c} \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-21} & (\bar{q}_{2}\sigma^{\mu\nu}u_{1}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-22} & (\bar{q}_{2}\sigma^{\mu\nu}u_{2}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-23} & (\bar{q}_{2}\sigma^{\mu\nu}u_{3}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-31} & (\bar{q}_{3}\sigma^{\mu\nu}u_{1}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-31} & (\bar{q}_{3}\sigma^{\mu\nu}u_{2}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-33} & (\bar{q}_{3}\sigma^{\mu\nu}u_{2}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-33} & (\bar{q}_{3}\sigma^{\mu\nu}u_{2}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-33} & (\bar{q}_{3}\sigma^{\mu\nu}u_{2}) \tau^{1} \bar{\varphi} \mathbf{w}_{\mu\nu}^{-1} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{2}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-13} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-14} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-14} & (\bar{q}_{1}\sigma^{\mu\nu}u_{3}) \bar{\varphi} \mathbf{w}_{\mu\nu} & \mathbf{C} \\ \mathbf{u} \mathbf{w}_{-14} & (\bar$	WC name	Operator	Type
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uW_13	$(\bar{q}_1\sigma^{\mu\nu}u_3)\tau^I\widetilde{\varphi}W^I_{\mu\nu}$	С
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uW_21		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uW_22		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uW_23		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		$(\bar{q}_{0}\sigma^{\mu\nu}u_{0}) \tau^{I} \widetilde{O} W^{I}$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uB_21		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uB_22		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uB_23		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uB_31		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uB_32		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	uB_33		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_11		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_12	$(\bar{q}_1 \sigma^{\mu\nu} T^A d_2) \varphi G^A_{\mu\nu}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_13		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_21		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_22	$\left(ar{q}_2 \sigma^{\mu u} T^A d_2 \right) arphi G^A_{\mu u}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_23	$(\bar{q}_2\sigma^{\mu\nu}T^Ad_3)\varphi G^A_{\mu\nu}$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_31	$(\bar{q}_3 \sigma^{\mu\nu} T^A d_1) \varphi G'^A_{\mu\nu}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_32	$(\bar{q}_3 \sigma^{\mu\nu} T^A d_2) \varphi G_{\mu\nu}^{A}$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dG_33	$\left(\bar{q}_3\sigma^{\mu\nu}T^Ad_3\right)\varphi G_{\mu\nu}^{\widetilde{A}}$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_11		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_12	$(\bar{q}_1\sigma^{\mu u}d_2) au^Iarphi W^{'I}_{\mu u}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_13		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_21	$(ar{q}_2\sigma^{\mu u}d_1) au^Iarphi W^{I}_{\mu u}$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_22	$(ar{q}_2\sigma^{\mu u}d_2) au^Iarphi W^{II}_{\mu u}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_23	$(\bar{q}_2\sigma^{\mu u}d_3) au^Iarphi W^{'I}_{\mu u}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_31		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_32	$(ar{q}_3\sigma^{\mu u}d_2) au^Iarphi W^{I}_{\mu u}$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dW_33		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dB_11		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dB_12	$(ar{q}_1\sigma^{\mu u}d_2)arphi B_{\mu u}$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			$^{\mathrm{C}}$
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_21	$(ar{q}_2\sigma^{\mu u}d_1)arphi B_{\mu u}$	$^{\mathrm{C}}$
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_22	$(ar{q}_2\sigma^{\mu u}d_2)arphi B_{\mu u}$	
dB_32 $(\bar{q}_3\sigma^{\mu\nu}d_2)\varphi B_{\mu\nu}$ C	dB_23		
dB_32 $(\bar{q}_3 \sigma^{\mu\nu} d_2) \varphi B_{\mu\nu}$ C	dB_31	$(ar{q}_3\sigma^{\mu u}d_1)arphi B_{\mu u}$	
dB_33 $ (\bar{q}_3 \sigma^{\mu\nu} d_3) \varphi B_{\mu\nu} $ C	dB_32	$(ar{q}_3\sigma^{\mu u}d_2)arphi B_{\mu u}$	
	dB_33	$(ar{q}_3\sigma^{\mu u}d_3)arphi B_{\mu u}$	C

WC name	Operator	Type
ohil1_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{\ell}_1 \gamma^\mu \ell_1 ight)$	R
bhil1_12	$\left\langle arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight angle \left(ar{\ell}_1 \gamma^\mu \ell_2 ight)$	\mathbf{C}
ohil1_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{\ell}_1 \gamma^\mu \ell_3 ight)$	\mathbf{C}
ohil1_22	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{\ell}_{2}\gamma^{\mu}\ell_{2} ight)$	R
ohil1_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{\ell}_2 \gamma^\mu \ell_3 ight)$	\mathbf{C}
ohil1_33	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{\ell}_{3}\gamma^{\mu}\ell_{3} ight)$	R
ohi13_11	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}Imuarphi ight)\left(ar{\ell}_{1} au^{I}\gamma^{\mu}\ell_{1} ight)$	R
ohi13_12	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}Imuarphi ight)\left(ar{\ell}_{1} au^{I}\gamma^{\mu}\ell_{2} ight)$	$^{\mathrm{C}}$
ohi13_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_1 au^I \gamma^\mu \ell_3 ight)$	\mathbf{C}
ohi13_22	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_2 au^I \gamma^\mu \ell_2 ight)$	R
ohi13_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_2 au^I \gamma^\mu \ell_3 ight)$	\mathbf{C}
ohi13_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_3 au^I \gamma^\mu \ell_3 ight)$	R
hie_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{e}_1 \gamma^\mu e_1 ight)$	R
hie_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_1 \gamma^\mu e_2)$	\mathbf{C}
ohie_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_1 \gamma^\mu e_3)$	\mathbf{C}
ohie_22	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_2 \gamma^\mu e_2)$	R
ohie_23	$\left\langle arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight angle (ar{e}_2 \gamma^\mu e_3)$	\mathbf{C}
ohie_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_3 \gamma^\mu e_3)$	R
ohiq1_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{q}_1 \gamma^\mu q_1)$	${ m R}$
ohiq1_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{q}_1 \gamma^\mu q_2)$	\mathbf{C}
hiq1_13	$\begin{pmatrix} \varphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}\varphi \end{pmatrix} (\bar{e}_{3}\gamma^{\mu}e_{3})$ $\begin{pmatrix} \varphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}\varphi \end{pmatrix} (\bar{q}_{1}\gamma^{\mu}q_{1})$ $\begin{pmatrix} \varphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}\varphi \end{pmatrix} (\bar{q}_{1}\gamma^{\mu}q_{2})$ $\begin{pmatrix} \varphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}\varphi \end{pmatrix} (\bar{q}_{1}\gamma^{\mu}q_{3})$ $\begin{pmatrix} \varphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}\varphi \end{pmatrix} (\bar{q}_{2}\gamma^{\mu}q_{2})$	\mathbf{C}
hiq1_22	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{q}_2 \gamma^\mu q_2)$	R

WC name	Operator	Type
phiq1_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{q}_2 \gamma^\mu q_3)$	С
phiq1_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{q}_3 \gamma^\mu q_3)$	R
phiq3_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_1 au^I \gamma^\mu q_1 ight)$	R
phiq3_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_1 au^I \gamma^\mu q_2 ight)$	$^{\mathrm{C}}$
phiq3_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_1 au^I \gamma^\mu q_3 ight)$	$^{\mathrm{C}}$
phiq3_22	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_2 au^I \gamma^\mu q_2 ight)$	R
phiq3_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_2 au^I \gamma^\mu q_3 ight)$	\mathbf{C}
phiq3_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_3 au^I \gamma^\mu q_3 ight)$	R
phiu_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{u}_1 \gamma^\mu u_1 ight)$	R
phiu_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{u}_1 \gamma^\mu u_2)$	\mathbf{C}
phiu_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{u}_1 \gamma^\mu u_3)$	\mathbf{C}
phiu_22	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{u}_2 \gamma^\mu u_2)$	R
phiu_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{u}_2 \gamma^\mu u_3)$	\mathbf{C}
phiu_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{u}_3 \gamma^\mu u_3)$	R
phid_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{d}_1 \gamma^\mu d_1 ight)$	R
phid_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{d}_1 \gamma^\mu d_2 ight)$	\mathbf{C}
phid_13	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{1}\gamma^{\mu}d_{3} ight)$	\mathbf{C}
phid_22	$\left\langle arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight angle \left(ar{d}_2 \gamma^\mu d_2 ight)$	R
phid_23	$\left\langle arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight angle \left(ar{d}_2 \gamma^\mu d_3 ight)$	\mathbf{C}
phid_33	$\left(arphi^{\dagger}i\overset{ ightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{2}\gamma^{\mu}d_{3} ight) \ \left(arphi^{\dagger}i\overset{ ightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{3}\gamma^{\mu}d_{3} ight)$	R
phiud_11 phiud_12 phiud_13 phiud_21	$(\widetilde{\varphi}^{\dagger}iD_{\mu}\varphi)'(\bar{u}_{1}\gamma^{\mu}d_{1}) (\widetilde{\varphi}^{\dagger}iD_{\mu}\varphi)(\bar{u}_{1}\gamma^{\mu}d_{2}) (\widetilde{\varphi}^{\dagger}iD_{\mu}\varphi)(\bar{u}_{1}\gamma^{\mu}d_{3}) (\widetilde{\varphi}^{\dagger}iD_{\mu}\varphi)(\bar{u}_{2}\gamma^{\mu}d_{1})$	C C C

WC name	Operator	Type
phiud_22	$\left(\widetilde{\varphi}^{\dagger}iD_{\mu}\varphi\right)\left(\bar{u}_{2}\gamma^{\mu}d_{2}\right)$	C
phiud_23	$\left(\widetilde{arphi}^{\dagger}iD_{\mu}arphi ight)\left(ar{u}_{2}\gamma^{\mu}d_{3} ight)$	\mathbf{C}
phiud_31	$\left(\widetilde{arphi}^{\dagger}iD_{\mu}arphi ight)\left(ar{u}_{3}\gamma^{\mu}d_{1} ight)$	\mathbf{C}
phiud_32	$\left(\widetilde{arphi}^{\dagger}iD_{\mu}arphi ight)\left(ar{u}_{3}\gamma^{\mu}d_{2} ight)$	\mathbf{C}
phiud_33	$\left(\widetilde{arphi}^{\dagger}iD_{\mu}arphi ight)\left(ar{u}_{3}\gamma^{\mu}d_{3} ight)$	$^{\mathrm{C}}$
11_1111	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{\ell}_1\gamma^\mu\ell_1 ight)$	R
11_1112	$\left(ar{\ell}_1 \gamma_\mu \ell_1 ight) \left(ar{\ell}_1 \gamma^\mu \ell_2 ight)$	С
11_1113	$\left(ar{\ell}_{1} \gamma_{\mu} \ell_{1} ight) \left(ar{\ell}_{1} \gamma^{\mu} \ell_{3} ight)$	С
11_1122	$\left(ar{\ell}_1 \gamma_\mu \ell_1 ight) \left(ar{\ell}_2 \gamma^\mu \ell_2 ight)$	R
11_1123	$\left(ar{\ell}_1 \gamma_\mu \ell_1 ight) \left(ar{\ell}_2 \gamma^\mu \ell_3 ight)$	С
11_1133	$\left(ar{\ell}_1 \gamma_\mu \ell_1 ight) \left(ar{\ell}_3 \gamma^\mu \ell_3 ight)$	R
11_1212	$\left(ar{\ell}_{1} \gamma_{\mu} \ell_{2} ight) \left(ar{\ell}_{1} \gamma^{\mu} \ell_{2} ight)$	С
11_1213	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{\ell}_1\gamma^\mu\ell_3 ight)$	\mathbf{C}
11_1221	$\left(ar{\ell}_{1} \gamma_{\mu} \ell_{2} ight) \left(ar{\ell}_{2} \gamma^{\mu} \ell_{1} ight)$	R
11_1222	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{\ell}_2\gamma^\mu\ell_2 ight)$	C
11_1223	$\left(\ell_{1}\gamma_{\mu}\ell_{2} ight) \left(\ell_{2}\gamma^{\mu}\ell_{3} ight)$	C
11_1231	$\left(\ell_{1}\gamma_{\mu}\ell_{2} ight)\left(\ell_{3}\gamma^{\mu}\ell_{1} ight)$	C
11_1232	$\left(\ell_{1}\gamma_{\mu}\ell_{2} ight) \left(\ell_{3}\gamma^{\mu}\ell_{2} ight)$	C
11_1233	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{\ell}_3\gamma^\mu\ell_3 ight)$	C
11_1313	$\left(\ell_{1}\gamma_{\mu}\ell_{3} ight)\left(\ell_{1}\gamma^{\mu}\ell_{3} ight)$	C
11_1322	$\left(\ell_{1}\gamma_{\mu}\ell_{3} ight) \left(\ell_{2}\gamma^{\mu}\ell_{2} ight)$	C
11_1323	$\left(\ell_{1}\gamma_{\mu}\ell_{3} ight)\left(\ell_{2}\gamma^{\mu}\ell_{3} ight)$	C
11_1331	$\left(\ell_{1}\gamma_{\mu}\ell_{3} ight)\left(\ell_{3}\gamma^{\mu}\ell_{1} ight)$	R
11_1332	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{\ell}_3\gamma^\mu\ell_2 ight)$	C
11_1333	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{\ell}_3\gamma^\mu\ell_3 ight)$	C
11_2222	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{\ell}_2\gamma^\mu\ell_2 ight)$	R
11_2223	$\left(\ell_2 \gamma_\mu \ell_2 ight) \left(\ell_2 \gamma^\mu \ell_3 ight)$	C
11_2233	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{\ell}_3\gamma^\mu\ell_3 ight)$	R
11_2323	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{\ell}_2\gamma^\mu\ell_3 ight)$	C
11_2332	$\left(\ell_{2}\gamma_{\mu}\ell_{3} ight)\left(\ell_{3}\gamma^{\mu}\ell_{2} ight)$	R
11_2333	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{\ell}_3\gamma^\mu\ell_3 ight)$	C
11_3333	$\left(\ell_3\gamma_\mu\ell_3 ight)\left(\ell_3\gamma^\mu\ell_3 ight)$	R
qq1_1111	$(ar{q}_1\gamma_\mu q_1)(ar{q}_1\gamma^\mu q_1)$	R
qq1_1112	$(ar{q}_1\gamma_\mu q_1)(ar{q}_1\gamma^\mu q_2)$	C
qq1_1113	$\left(ar{q}_1\gamma_{\mu}q_1\right)\left(ar{q}_1\gamma^{\mu}q_3\right)$	С
qq1_1122 qq1_1123	$(ar{q}_1\gamma_\mu q_1) (ar{q}_2\gamma^\mu q_2)$	${ m R} \over { m C}$
qq1_1123 qq1_1133	$egin{array}{c} (ar{q}_1\gamma_\mu q_1) \ (ar{q}_2\gamma^\mu q_3) \ (ar{q}_2\gamma_\mu q_3) \ (ar{q}_2\gamma_\mu q_3) \end{array}$	R
qq1_1133 qq1_1212	$egin{aligned} \left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{q}_3\gamma^{\mu}q_3 ight) \ \left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_1\gamma^{\mu}q_2 ight) \end{aligned}$	C
qq1_1212 qq1_1213	$(q_1\gamma_\mu q_2) (q_1\gamma^\mu q_2) \ (ar q_1\gamma_\mu q_2) (ar q_1\gamma^\mu q_3)$	C
qq1_1213 qq1_1221	$(q_1\gamma_\mu q_2) (q_1\gamma^\mu q_3) \ (ar q_1\gamma_\mu q_2) (ar q_2\gamma^\mu q_1)$	R
qq1_1222	$egin{array}{c} (q_1\gamma_\mu q_2) \ (q_2\gamma^\mu q_1) \ (ar q_1\gamma_\mu q_2) \ (ar q_2\gamma^\mu q_2) \end{array}$	C
qq1_1223	$egin{array}{c} (q_1)_\mu q_2) & (q_2)_\mu q_2 \ (ar q_1 \gamma_\mu q_2) & (ar q_2 \gamma^\mu q_3) \end{array}$	Č
11	(41 1442) (42 1 43)	\sim

WC name	Operator	Type
qq1_1231	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_3\gamma^{\mu}q_1 ight)$	C
qq1_1232	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_3\gamma^{\mu}q_2 ight)$	C
qq1_1233	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_3\gamma^{\mu}q_3 ight)$	C
qq1_1313	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_1\gamma^{\mu}q_3 ight)$	C
qq1_1322	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_2\gamma^{\mu}q_2 ight)$	C
qq1_1323	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_2\gamma^{\mu}q_3 ight)$	$\stackrel{ ext{C}}{=}$
qq1_1331	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_3\gamma^{\mu}q_1 ight)$	R
qq1_1332	$\left(ar{q}_1\gamma_{\mu}q_3\right)\left(ar{q}_3\gamma^{\mu}q_2\right)$	C
qq1_1333	$(\bar{q}_1\gamma_\mu q_3)(\bar{q}_3\gamma^\mu q_3)$	С
qq1_2222	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{q}_2\gamma^{\mu}q_2 ight)$	R
qq1_2223	$(ar{q}_2\gamma_\mu q_2)(ar{q}_2\gamma^\mu q_3)$	С
qq1_2233	$(ar{q}_2\gamma_\mu q_2)(ar{q}_3\gamma^\mu q_3)$	R
qq1_2323	$(\bar{q}_2\gamma_\mu q_3)(\bar{q}_2\gamma^\mu q_3)$	С
qq1_2332	$(\bar{q}_2\gamma_\mu q_3)(\bar{q}_3\gamma^\mu q_2)$	R
qq1_2333	$(\bar{q}_{2}\gamma_{\mu}q_{3})(\bar{q}_{3}\gamma^{\mu}q_{3})$	С
qq1_3333	$(\bar{q}_3\gamma_\mu q_3)(\bar{q}_3\gamma^\mu q_3)$	R
qq3_1111	$\left(\bar{q}_1\gamma_{\mu}\tau^Iq_1\right)\left(\bar{q}_1\gamma^{\mu}\tau^Iq_1\right)$	R
qq3_1112	$\left\langle ar{q}_1 \gamma_\mu au^I q_1 \right\rangle \left\langle ar{q}_1 \gamma^\mu au^I q_2 \right\rangle$	C
qq3_1113	$\left(ar{q}_1\gamma_\mu au^Iq_1 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	$^{ m C}_{ m R}$
qq3_1122	$(\bar{q}_1\gamma_\mu\tau^Iq_1)(\bar{q}_2\gamma^\mu\tau^Iq_2)$	C C
qq3_1123	$(ar{q}_1\gamma_\mu au^Iq_1)(ar{q}_2\gamma^\mu au^Iq_3)$	R
qq3_1133	$egin{aligned} \left(ar{q}_1\gamma_\mu au^Iq_1 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight) \ \left(ar{q}_1\gamma_\mu au^Iq_2 ight)\left(ar{q}_1\gamma^\mu au^Iq_2 ight) \end{aligned}$	C
qq3_1212		C
qq3_1213	$egin{pmatrix} \left(ar{q}_1\gamma_\mu au^Iq_2 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight) \ \left(ar{q}_1\gamma_\mu au^Iq_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_1 ight) \end{pmatrix}$	R
qq3_1221		C
qq3_1222	$\left(ar{q}_1\gamma_\mu au^Iq_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_2 ight)$	C
qq3_1223	$\left(ar{q}_1\gamma_\mu au^Iq_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	C
qq3_1231	$(\bar{q}_1\gamma_\mu au^I q_2) (\bar{q}_3\gamma^\mu au^I q_1)$	C
qq3_1232	$(\bar{q}_1\gamma_\mu\tau^Iq_2)(\bar{q}_3\gamma^\mu\tau^Iq_2)$	C
qq3_1233	$\left(ar{q}_1\gamma_\mu au^Iq_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	C
qq3_1313	$\left(ar{q}_1 \gamma_\mu au^I q_3 \right) \left(ar{q}_1 \gamma^\mu au^I q_3 \right)$	C
qq3_1322	$\left(ar{q}_1 \gamma_\mu au^I q_3 \right) \left(ar{q}_2 \gamma^\mu au^I q_2 \right)$	
qq3_1323	$\left\langle ar{q}_1 \gamma_\mu au^I q_3 \right\rangle \left\langle ar{q}_2 \gamma^\mu au^I q_3 \right\rangle$	С
qq3_1331	$\langle \bar{q}_1 \gamma_\mu \tau^I q_3 \rangle \langle \bar{q}_3 \gamma^\mu \tau^I q_1 \rangle$	R
qq3_1332	$\left\langle ar{q}_{1}\gamma_{\mu} au^{I}q_{3} ight angle \left\langle ar{q}_{3}\gamma^{\mu} au^{I}q_{2} ight angle $	C
qq3_1333	$\langle \bar{q}_1 \gamma_\mu \tau^I q_3 \rangle \langle \bar{q}_3 \gamma^\mu \tau^I q_3 \rangle$	С
qq3_2222	$\left\langle ar{q}_2 \gamma_\mu au^I q_2 \right\rangle \left\langle ar{q}_2 \gamma^\mu au^I q_2 \right\rangle$	R
qq3_2223	$\left(ar{q}_2\gamma_\mu au^Iq_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	С
qq3_2233	$\left\langle \bar{q}_{2}\gamma_{\mu}\tau^{I}q_{2}\right\rangle \left\langle \bar{q}_{3}\gamma^{\mu}\tau^{I}q_{3}\right\rangle$	R
qq3_2323	$\left\langle ar{q}_2 \gamma_\mu au^I q_3 \right\rangle \left\langle ar{q}_2 \gamma^\mu au^I q_3 \right\rangle$	С
qq3_2332	$\left(ar{q}_2\gamma_\mu au^Iq_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_2 ight)$	R
qq3_2333	$\left(ar{q}_2\gamma_\mu au^Iq_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	С
qq3_3333	$\left(ar{q}_3\gamma_\mu au^Iq_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	R
lq1_1111	$\left(\ell_1\gamma_\mu\ell_1 ight)\left(ar{q}_1\gamma^\mu q_1 ight)$	\mathbf{R}

WC name	Operator	Type
lq1_1112	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{q}_1\gamma^\mu q_2 ight)$	С
lq1_1113	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{q}_1\gamma^\mu q_3 ight)$	\mathbf{C}
lq1_1122	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	\mathbf{R}
lq1_1123	$(\bar{\ell}_1\gamma_\mu\ell_1)(\bar{q}_2\gamma^\mu q_3)$	\mathbf{C}
lq1_1133	$\left(\bar{\ell}_1\gamma_\mu\ell_1\right)\left(\bar{q}_3\gamma^\mu q_3\right)$	\mathbf{R}
lq1_1211	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_1 ight)$	\mathbf{C}
lq1_1212	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_2 ight)$	\mathbf{C}
lq1_1213	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_3 ight)$	\mathbf{C}
lq1_1221	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_2\gamma^\mu q_1 ight)$	\mathbf{C}
lq1_1222	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	\mathbf{C}
lq1_1223	$\left(\ell_1 \gamma_\mu \ell_2 \right) \left(ar{q}_2 \gamma^\mu q_3 ight)$	\mathbf{C}
lq1_1231	$\left(\ell_1 \gamma_\mu \ell_2 \right) \left(ar{q}_3 \gamma^\mu q_1 \right)$	\mathbf{C}
lq1_1232	$\left(\ell_1 \gamma_\mu \ell_2 \right) \left(ar{q}_3 \gamma^\mu q_2 ight)$	\mathbf{C}
lq1_1233	$\left(\ell_1 \gamma_\mu \ell_2 \right) \left(ar{q}_3 \gamma^\mu q_3 \right)$	\mathbf{C}
lq1_1311	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_1 ight)$	\mathbf{C}
lq1_1312	$\left(\ell_1 \gamma_\mu \ell_3 \right) \left(ar{q}_1 \gamma^\mu q_2 \right)$	\mathbf{C}
lq1_1313	$\left(ar{\ell}_1 \gamma_\mu \ell_3 ight) \left(ar{q}_1 \gamma^\mu q_3 ight)$	\mathbf{C}
lq1_1321	$\left(\ell_1 \gamma_\mu \ell_3 \right) \left(ar{q}_2 \gamma^\mu q_1 \right)$	\mathbf{C}
lq1_1322	$\left(\ell_1\gamma_\mu\ell_3 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	C
lq1_1323	$\left(\ell_1\gamma_\mu\ell_3\right)\left(ar{q}_2\gamma^\mu q_3\right)$	С
lq1_1331	$\left(\ell_1\gamma_\mu\ell_3\right)\left(ar{q}_3\gamma^\mu q_1 ight)$	С
lq1_1332	$\left(\ell_1\gamma_\mu\ell_3 ight)\left(ar{q}_3\gamma^\mu q_2 ight)$	C
lq1_1333	$\left(\ell_1\gamma_\mu\ell_3 ight)\left(ar{q}_3\gamma^\mu q_3 ight)$	С
lq1_2211	$\left(\ell_2\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_1 ight)$	R
lq1_2212	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_2 ight)$	C
lq1_2213	$\left(\ell_2\gamma_\mu\ell_2\right)\left(ar{q}_1\gamma^\mu q_3\right)$	С
lq1_2222	$\left(\ell_2\gamma_\mu\ell_2 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	R
lq1_2223	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{q}_2\gamma^\mu q_3 ight)$	С
lq1_2233	$\left(\ell_2\gamma_\mu\ell_2\right)\left(ar{q}_3\gamma^\mu q_3\right)$	R
lq1_2311	$\left(\ell_2\gamma_\mu\ell_3\right)\left(ar{q}_1\gamma^\mu q_1\right)$	С
lq1_2312	$(\ell_2\gamma_\mu\ell_3)(ar q_1\gamma^\mu q_2)$	С
lq1_2313	$(\ell_2\gamma_\mu\ell_3)(ar q_1\gamma^\mu q_3)$	С
lq1_2321	$(\ell_2\gamma_\mu\ell_3)(ar q_2\gamma^\mu q_1)$	С
lq1_2322	$(\ell_2\gamma_\mu\ell_3)(ar q_2\gamma^\mu q_2)$	С
lq1_2323	$(\ell_2 \gamma_\mu \ell_3) (\bar{q}_2 \gamma^\mu q_3)$	С
lq1_2331	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{q}_3\gamma^\mu q_1)$	С
lq1_2332	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{q}_3\gamma^\mu q_2)$	С
lq1_2333	$egin{pmatrix} (ar{\ell}_2\gamma_\mu\ell_3) \ (ar{q}_3\gamma^\mu q_3) \ (ar{\ell}_3\gamma^\mu\ell_3) \ (ar{q}_3\gamma^\mu\ell_3) \end{pmatrix}$	С
lq1_3311	$(\ell_3 \gamma_\mu \ell_3) (\bar{q}_1 \gamma^\mu q_1)$	R
1q1_3312	$egin{pmatrix} (ar{\ell}_3\gamma_\mu\ell_3)(ar{q}_1\gamma^\mu q_2) \ (ar{\ell}_3\gamma_\mu\ell_3)(ar{q}_1\gamma^\mu q_2) \end{pmatrix}$	С
lq1_3313	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_3 ight)$	С
1q1_3322	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	R

WC name	Operator	Туре
1q1_3323	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{q}_2\gamma^\mu q_3 ight)$	C
lq1_3333	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{q}_3\gamma^\mu q_3 ight)$	R
lq3_1111	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_1\gamma^\mu au^Iq_1 ight)$	R
lq3_1112	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_1\gamma^\mu au^Iq_2 ight)$	С
lq3_1113	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	C
lq3_1122	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_2\gamma^\mu au^Iq_2 ight)$	R
lq3_1123	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1133	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	R
lq3_1211	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^Iq_1 ight)$	$^{\mathrm{C}}$
lq3_1212	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^Iq_2 ight)$	С
lq3_1213	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1221	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_1 ight)$	С
lq3_1222	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_2 ight)$	$^{\mathrm{C}}$
lq3_1223	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1231	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_1 ight)$	С
lq3_1232	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_2 ight)$	С
lq3_1233	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1311	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_1 ight)$	$^{\mathrm{C}}$
lq3_1312	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_2 ight)$	$^{\mathrm{C}}$
lq3_1313	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	\mathbf{C}
1q3_1321	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_1 ight)$	\mathbf{C}
1q3_1322	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_2 ight)$	\mathbf{C}
1q3_1323	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1331	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_1 ight)$	\mathbf{C}
lq3_1332	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_2 ight)$	$^{\mathrm{C}}$
1q3_1333	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	\mathbf{C}
lq3_2211	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^I_{}q_1 ight)$	R
1q3_2212	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^I_{}q_2 ight)$	\mathbf{C}
1q3_2213	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^I_{}q_3 ight)$	\mathbf{C}
1q3_2222	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_2\gamma^\mu au^I_{}q_2 ight)$	R
1q3_2223	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_2\gamma^\mu au^I_{}q_3 ight)$	\mathbf{C}
1q3_2233	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	R
lq3_2311	$\left(ar{\ell}_2\gamma_\mu au^I_{}\ell_3 ight)\left(ar{q}_1\gamma^\mu au^I_{}q_1 ight)$	\mathbf{C}
lq3_2312	$\left(ar{\ell}_2 \gamma_\mu au^I \ell_3 ight) \left(ar{q}_1 \gamma^\mu au^I q_2 ight)$	\mathbf{C}
1q3_2313	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^I_{}q_3 ight)$	$^{\mathrm{C}}$
1q3_2321	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^I_{}q_1 ight)$	\mathbf{C}
1q3_2322	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_2 ight)$	\mathbf{C}
1q3_2323	$\left(ar{\ell}_2 \gamma_\mu au^I \ell_3 ight) \left(ar{q}_2 \gamma^\mu au^I q_3 ight)$	\mathbf{C}
lq3_2331	$\left(ar{\ell}_2 \gamma_\mu au^I \ell_3 ight) \left(ar{q}_3 \gamma^\mu au^I_{} q_1 ight)$	\mathbf{C}
1q3_2332	$\left(ar{\ell}_2 \gamma_\mu au^I \ell_3 ight) \left(ar{q}_3 \gamma^\mu au^I_{} q_2 ight)$	\mathbf{C}
1q3_2333	$\begin{array}{c} (\bar{\ell}_{2}\gamma_{\mu}\tau^{I}\ell_{3}) & (\bar{q}_{2}\gamma^{\mu}\tau^{I}q_{3}) \\ (\bar{\ell}_{2}\gamma_{\mu}\tau^{I}\ell_{3}) & (\bar{q}_{3}\gamma^{\mu}\tau^{I}q_{1}) \\ (\bar{\ell}_{2}\gamma_{\mu}\tau^{I}\ell_{3}) & (\bar{q}_{3}\gamma^{\mu}\tau^{I}q_{2}) \\ (\bar{\ell}_{2}\gamma_{\mu}\tau^{I}\ell_{3}) & (\bar{q}_{3}\gamma^{\mu}\tau^{I}q_{2}) \\ (\bar{\ell}_{2}\gamma_{\mu}\tau^{I}\ell_{3}) & (\bar{q}_{3}\gamma^{\mu}\tau^{I}q_{3}) \end{array}$	\mathbf{C}
lq3_3311	$\left(ar{\ell}_3\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_1 ight)$	R

WC name	Operator	Type
1q3_3312	$\left(ar{\ell}_3\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_2 ight)$	C
lq3_3313	$\left(ar{\ell}_3\gamma_{\mu} au^I\ell_3 ight)\left(ar{q}_1\gamma^{\mu} au^Iq_3 ight)$	С
1q3_3322	$\left(ar{\ell}_3\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_2 ight)$	R
1q3_3323	$(ar{\ell}_3\gamma_\mu au^I\ell_3)(ar{q}_2\gamma^\mu au^Iq_3)$	$^{\mathrm{C}}$
1q3_3333	$(ar{\ell}_3\gamma_\mu au^I\ell_3)(ar{q}_3\gamma^\mu au^Iq_3)$	${ m R}$
ee_1111	$(ar{e}_1\gamma_\mu e_1)(ar{e}_1\gamma^\mu e_1)$	R
ee_1112	$(ar{e}_1\gamma_\mu e_1)(ar{e}_1\gamma^\mu e_2)$	$^{\mathrm{C}}$
ee_1113	$(ar{e}_1\gamma_\mu e_1)(ar{e}_1\gamma^\mu e_3)$	$^{\mathrm{C}}$
ee_1122	$(ar{e}_1\gamma_\mu e_1)(ar{e}_2\gamma^\mu e_2)$	R
ee_1123	$\left(ar{e}_1\gamma_{\mu}e_1 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
ee_1133	$\left(ar{e}_1\gamma_{\mu}e_1 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	R
ee_1212	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{e}_1\gamma^{\mu}e_2 ight)$	$^{\mathrm{C}}$
ee_1213	$(ar{e}_1\gamma_\mu e_2)(ar{e}_1\gamma^\mu e_3)$	$^{\mathrm{C}}$
ee_1222	$(ar{e}_1\gamma_\mu e_2)(ar{e}_2\gamma^\mu e_2)$	\mathbf{C}
ee_1223	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	\mathbf{C}
ee_1232	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{e}_3\gamma^{\mu}e_2 ight)$	\mathbf{C}
ee_1233	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	\mathbf{C}
ee_1313	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{e}_1\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
ee_1323	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
ee_1333	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
ee_2222	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{e}_2\gamma^{\mu}e_2 ight)$	R
ee_2223	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
ee_2233	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	R
ee_2323	$\left(ar{e}_2\gamma_{\mu}e_3 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
ee_2333	$\left(ar{e}_2\gamma_{\mu}e_3 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
ee_3333	$\left(ar{e}_3\gamma_{\mu}e_3 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	R
uu_1111	$\left(ar{u}_1\gamma_{\mu}u_1 ight)\left(ar{u}_1\gamma^{\mu}u_1 ight)$	R
uu_1112	$\left(ar{u}_1\gamma_{\mu}u_1 ight)\left(ar{u}_1\gamma^{\mu}u_2 ight)$	\mathbf{C}
uu_1113	$\left(ar{u}_1\gamma_{\mu}u_1 ight)\left(ar{u}_1\gamma^{\mu}u_3 ight)$	$^{\mathrm{C}}$
uu_1122	$\left(ar{u}_1\gamma_{\mu}u_1 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	R
uu_1123	$\left(ar{u}_1\gamma_{\mu}u_1 ight)\left(ar{u}_2\gamma^{\mu}u_3 ight)$	$^{\mathrm{C}}$
uu_1133	$\left(ar{u}_1\gamma_{\mu}u_1 ight)\left(ar{u}_3\gamma^{\mu}u_3 ight)$	${ m R}$
uu_1212	$\left(ar{u}_1\gamma_{\mu}u_2 ight)\left(ar{u}_1\gamma^{\mu}u_2 ight)$	$^{\mathrm{C}}$
uu_1213	$\left(ar{u}_1\gamma_{\mu}u_2 ight)\left(ar{u}_1\gamma^{\mu}u_3 ight)$	$^{\mathrm{C}}$
uu_1221	$\left(\bar{u}_1\gamma_{\mu}u_2\right)\left(\bar{u}_2\gamma^{\mu}u_1\right)$	R
uu_1222	$\left(ar{u}_1\gamma_{\mu}u_2 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	$^{\mathrm{C}}$
uu_1223	$\left(\bar{u}_1\gamma_{\mu}u_2\right)\left(\bar{u}_2\gamma^{\mu}u_3\right)$	С
uu_1231	$\left(\bar{u}_1\gamma_{\mu}u_2\right)\left(\bar{u}_3\gamma^{\mu}u_1\right)$	\mathbf{C}
uu_1232	$\left(ar{u}_1\gamma_{\mu}u_2 ight)\left(ar{u}_3\gamma^{\mu}u_2 ight)$	\mathbf{C}
uu_1233	$\left(\bar{u}_1\gamma_{\mu}u_2\right)\left(\bar{u}_3\gamma^{\mu}u_3\right)$	С
uu_1313	$\left(\bar{u}_1\gamma_{\mu}u_3\right)\left(\bar{u}_1\gamma^{\mu}u_3\right)$	С
uu_1322	$\left(\bar{u}_1\gamma_{\mu}u_3\right)\left(\bar{u}_2\gamma^{\mu}u_2\right)$	С
uu_1323	$\left(ar{u}_1\gamma_{\mu}u_3 ight)\left(ar{u}_2\gamma^{\mu}u_3 ight)$	С
uu_1331	$\left(ar{u}_1\gamma_{\mu}u_3 ight)\left(ar{u}_3\gamma^{\mu}u_1 ight)$	R

WC name	Operator	Type
uu_1332	$(\bar{u}_1\gamma_\mu u_3)(\bar{u}_3\gamma^\mu u_2)$	C
uu_1333	$\left(ar{u}_1\gamma_{\mu}u_3 ight)\left(ar{u}_3\gamma^{\mu}u_3 ight)$	С
uu_2222	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	R
uu_2223	$(ar{u}_2\gamma_\mu u_2)(ar{u}_2\gamma^\mu u_3)$	C
uu_2233	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{u}_3\gamma^{\mu}u_3 ight)$	R
uu_2323	$\left(ar{u}_2\gamma_{\mu}u_3 ight)\left(ar{u}_2\gamma^{\mu}u_3 ight)$	C
uu_2332	$(\bar{u}_2\gamma_\mu u_3)(\bar{u}_3\gamma^\mu u_2)$	R
uu_2333	$(\bar{u}_2\gamma_\mu u_3)(\bar{u}_3\gamma^\mu u_3)$	С
uu_3333	$(ar{u}_3\gamma_\mu u_3)(ar{u}_3\gamma^\mu u_3)$	R
dd_1111	$\left(ar{d}_1\gamma_{\mu}d_1 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	R
dd_1112	$\left(ar{d}_1\gamma_{\mu}d_1 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	C
dd_1113	$\left(ar{d}_{1}\gamma_{\mu}d_{1} ight) \left(ar{d}_{1}\gamma^{\mu}d_{3} ight)$	С
dd_1122	$\left(ar{d}_1 \gamma_\mu d_1 ight) \left(ar{d}_2 \gamma^\mu d_2 ight)$	R
dd_1123	$\left(ar{d}_1 \gamma_\mu d_1 ight) \left(ar{d}_2 \gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
dd_1133	$\left(ar{d}_{1}\gamma_{\mu}d_{1} ight) \left(ar{d}_{3}\gamma^{\mu}d_{3} ight)$	R
dd_1212	$\left(ar{d}_1 \gamma_\mu d_2 ight) \left(ar{d}_1 \gamma^\mu d_2 ight)$	С
dd_1213	$\left(ar{d}_1 \gamma_\mu d_2 ight) \left(ar{d}_1 \gamma^\mu d_3 ight)$	С
dd_1221	$\left(d_1\gamma_\mu d_2 ight)\left(d_2\gamma^\mu d_1 ight)$	R
dd_1222	$\left(ar{d}_1\gamma_{\mu}d_2 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	\mathbf{C}
dd_1223	$\left(ar{d}_1\gamma_{\mu}d_2 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
dd_1231	$\left(ar{d}_1\gamma_{\mu}d_2 ight)\left(ar{d}_3\gamma^{\mu}d_1 ight)$	\mathbf{C}
dd_1232	$\left(ar{d}_1\gamma_{\mu}d_2 ight)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	\mathbf{C}
dd_1233	$\left(ar{d}_1\gamma_{\mu}d_2 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
dd_1313	$\left(ar{d}_1\gamma_{\mu}d_3 ight)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	C
dd_1322	$\left(ar{d}_1\gamma_{\mu}d_3 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
dd_1323	$\left(ar{d}_1\gamma_\mu d_3 ight)\left(ar{d}_2\gamma^\mu d_3 ight)$	C
dd_1331	$\left(ar{d}_1\gamma_\mu d_3 ight)\left(ar{d}_3\gamma^\mu d_1 ight)$	R
dd_1332	$\left(ar{d}_1\gamma_{\mu}d_3 ight)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
dd_1333	$(ar{d}_1\gamma_\mu d_3)(ar{d}_3\gamma^\mu d_3)$	\mathbf{C}
dd_2222	$\left(ar{d}_2\gamma_\mu d_2 ight)\left(ar{d}_2\gamma^\mu d_2 ight)$	R
dd_2223	$\left(ar{d}_2\gamma_\mu d_2 ight)\left(ar{d}_2\gamma^\mu d_3 ight)$	\mathbf{C}
dd_2233	$\left(ar{d}_2\gamma_\mu d_2 ight)\left(ar{d}_3\gamma^\mu d_3 ight)$	R
dd_2323	$\left(ar{d}_2\gamma_\mu d_3 ight)\left(ar{d}_2\gamma^\mu d_3 ight)$	\mathbf{C}
dd_2332	$\left(ar{d}_2\gamma_\mu d_3 ight)\left(ar{d}_3\gamma^\mu d_2 ight)$	${ m R}$
dd_2333	$(ar{d}_2\gamma_\mu d_3)(ar{d}_3\gamma^\mu d_3)$	\mathbf{C}
dd_3333	$(ar{d}_3\gamma_\mu d_3) (ar{d}_3\gamma^\mu d_3)$	R
eu_1111	$(ar{e}_1\gamma_\mu e_1)(ar{u}_1\gamma^\mu u_1)$	R
eu_1112	$(ar{e}_1\gamma_\mu e_1)(ar{u}_1\gamma^\mu u_2)$	\mathbf{C}
eu_1113	$(ar{e}_1\gamma_\mu e_1)(ar{u}_1\gamma^\mu u_3)$	\mathbf{C}
eu_1122	$(ar{e}_1\gamma_\mu e_1)(ar{u}_2\gamma^\mu u_2)$	R
eu_1123	$(ar{e}_1\gamma_\mu e_1)(ar{u}_2\gamma^\mu u_3)$	$^{\mathrm{C}}$
eu_1133	$(ar{e}_1\gamma_\mu e_1)(ar{u}_3\gamma^\mu u_3)$	R
eu_1211	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{u}_1\gamma^{\mu}u_1 ight)$	$^{\mathrm{C}}$

WC name	Operator	Type
eu_1212	$(\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_2)$	C
eu_1213	$\left(\bar{e}_1\gamma_{\mu}e_2\right)\left(\bar{u}_1\gamma^{\mu}u_3\right)$	\mathbf{C}
eu_1221	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{u}_2\gamma^{\mu}u_1 ight)$	\mathbf{C}
eu_1222	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	\mathbf{C}
eu_1223	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{u}_2\gamma^{\mu}u_3 ight)$	\mathbf{C}
eu_1231	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{u}_3\gamma^{\mu}u_1 ight)$	\mathbf{C}
eu_1232	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{u}_3\gamma^{\mu}u_2 ight)$	\mathbf{C}
eu_1233	$\left(\bar{e}_1\gamma_{\mu}e_2\right)\left(\bar{u}_3\gamma^{\mu}u_3\right)$	\mathbf{C}
eu_1311	$(\bar{e}_1\gamma_\mu e_3)(\bar{u}_1\gamma^\mu u_1)$	\mathbf{C}
eu_1312	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{u}_1\gamma^{\mu}u_2 ight)$	\mathbf{C}
eu_1313	$\left(\bar{e}_1\gamma_{\mu}e_3\right)\left(\bar{u}_1\gamma^{\mu}u_3\right)$	\mathbf{C}
eu_1321	$\left(\bar{e}_1\gamma_{\mu}e_3\right)\left(\bar{u}_2\gamma^{\mu}u_1\right)$	\mathbf{C}
eu_1322	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	\mathbf{C}
eu_1323	$(\bar{e}_1\gamma_\mu e_3)(\bar{u}_2\gamma^\mu u_3)$	$^{\mathrm{C}}$
eu_1331	$(\bar{e}_1\gamma_\mu e_3)(\bar{u}_3\gamma^\mu u_1)$	\mathbf{C}
eu_1332	$(\bar{e}_1\gamma_\mu e_3)(\bar{u}_3\gamma^\mu u_2)$	\mathbf{C}
eu_1333	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{u}_3\gamma^{\mu}u_3 ight)$	$^{\mathrm{C}}$
eu_2211	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{u}_1\gamma^{\mu}u_1 ight)$	R
eu_2212	$\left(\bar{e}_2\gamma_{\mu}e_2\right)\left(\bar{u}_1\gamma^{\mu}u_2\right)$	$^{\mathrm{C}}$
eu_2213	$(\bar{e}_2\gamma_\mu e_2)(\bar{u}_1\gamma^\mu u_3)$	$^{\mathrm{C}}$
eu_2222	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	R
eu_2223	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{u}_2\gamma^{\mu}u_3 ight)$	\mathbf{C}
eu_2233	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{u}_3\gamma^{\mu}u_3 ight)$	R
eu_2311	$\left(ar{e}_2\gamma_{\mu}e_3 ight)\left(ar{u}_1\gamma^{\mu}u_1 ight)$	C
eu_2312	$(ar{e}_2\gamma_\mu e_3)(ar{u}_1\gamma^\mu u_2)$	C
eu_2313	$(ar{e}_2\gamma_\mu e_3)(ar{u}_1\gamma^\mu u_3)$	C
eu_2321	$(ar{e}_2\gamma_\mu e_3)(ar{u}_2\gamma^\mu u_1)$	C
eu_2322	$\left(ar{e}_2\gamma_{\mu}e_3 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	C
eu_2323	$(ar{e}_2\gamma_\mu e_3)(ar{u}_2\gamma^\mu u_3)$	C
eu_2331	$(ar{e}_2\gamma_\mu e_3)(ar{u}_3\gamma^\mu u_1)$	C
eu_2332	$(ar{e}_2\gamma_\mu e_3)(ar{u}_3\gamma^\mu u_2)$	C
eu_2333	$(ar{e}_2\gamma_\mu e_3)(ar{u}_3\gamma^\mu u_3)$	C
eu_3311	$(ar{e}_3\gamma_\mu e_3)(ar{u}_1\gamma^\mu u_1)$	R
eu_3312	$(ar{e}_3\gamma_\mu e_3)(ar{u}_1\gamma^\mu u_2)$	C
eu_3313	$(ar{e}_3\gamma_\mu e_3)(ar{u}_1\gamma^\mu u_3)$	C
eu_3322	$(ar{e}_3\gamma_\mu e_3)(ar{u}_2\gamma^\mu u_2)$	R
eu_3323	$(ar{e}_3\gamma_\mu e_3)(ar{u}_2\gamma^\mu u_3)$	С
eu_3333	$(\bar{e}_3\gamma_\mu e_3)(\bar{u}_3\gamma^\mu u_3)$	R
ed_1111	$(ar{e}_1\gamma_\mu e_1) \left(ar{d}_1\gamma^\mu d_1 ight)$	R
ed_1112	$(ar{e}_1\gamma_{\mu}e_1)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
ed_1113	$\left(ar{e}_1\gamma_{\mu}e_1 ight)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ed_1122	$\left(ar{e}_1\gamma_{\mu}e_1 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R
ed_1123	$\left(ar{e}_1\gamma_{\mu}e_1 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ed_1133	$(ar{e}_1\gamma_\mu e_1)ig(ar{d}_3\gamma^\mu d_3ig)$	${ m R}$

WC name	Operator	Type
ed_1211	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1212	$(ar{e}_1\gamma_{\mu}e_2)ig(ar{d}_1\gamma^{\mu}d_2ig)$	\mathbf{C}
ed_1213	$(ar{e}_1\gamma_{\mu}e_2)ig(ar{d}_1\gamma^{\mu}d_3ig)$	\mathbf{C}
ed_1221	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{d}_2\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1222	$(ar{e}_1\gamma_{\mu}e_2)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	\mathbf{C}
ed_1223	$(ar{e}_1\gamma_{\mu}e_2)ig(ar{d}_2\gamma^{\mu}d_3ig)$	\mathbf{C}
ed_1231	$(ar{e}_1\gamma_{\mu}e_2)ig(ar{d}_3\gamma^{\mu}d_1ig)$	\mathbf{C}
ed_1232	$(ar{e}_1\gamma_{\mu}e_2)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	\mathbf{C}
ed_1233	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_1311	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1312	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	С
ed_1313	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_1321	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_2\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1322	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	С
ed_1323	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_1331	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_3\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1332	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	С
ed_1333	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_2211	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	R
ed_2212	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	\mathbf{C}
ed_2213	$(ar{e}_2\gamma_{\mu}e_2)ig(ar{d}_1\gamma^{\mu}d_3ig)$	\mathbf{C}
ed_2222	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R
ed_2223	$(ar{e}_2\gamma_{\mu}e_2)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_2233	$(ar{e}_2\gamma_{\mu}e_2)ig(ar{d}_3\gamma^{\mu}d_3ig)$	R
ed_2311	$(ar{e}_2\gamma_\mu e_3)ig(ar{d}_1\gamma^\mu d_1ig)$	\mathbf{C}
ed_2312	$\left(ar{e}_2\gamma_{\mu}e_3 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	\mathbf{C}
ed_2313	$(ar{e}_2\gamma_\mu e_3)ig(ar{d}_1\gamma^\mu d_3ig)$	\mathbf{C}
ed_2321	$(ar{e}_2\gamma_{\mu}e_3)ig(ar{d}_2\gamma^{\mu}d_1ig)$	\mathbf{C}
ed_2322	$(ar{e}_2\gamma_\mu e_3)ig(ar{d}_2\gamma^\mu d_2ig)$	\mathbf{C}
ed_2323	$(ar{e}_2\gamma_{\mu}e_3)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_2331	$(ar{e}_2\gamma_\mu e_3)\left(ar{d}_3\gamma^\mu d_1 ight)$	\mathbf{C}
ed_2332	$(ar{e}_2\gamma_\mu e_3)ig(ar{d}_3\gamma^\mu d_2ig)$	\mathbf{C}
ed_2333	$(ar{e}_2\gamma_\mu e_3)\left(ar{d}_3\gamma^\mu d_3 ight)$	\mathbf{C}
ed_3311	$(ar{e}_3\gamma_{\mu}e_3)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	R
ed_3312	$(ar{e}_3\gamma_{\mu}e_3)ig(ar{d}_1\gamma^{\mu}d_2ig)$	\mathbf{C}
ed_3313	$(ar{e}_3\gamma_{\mu}e_3)ig(ar{d}_1\gamma^{\mu}d_3ig)$	\mathbf{C}
ed_3322	$\left(ar{e}_3\gamma_{\mu}e_3 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R
ed_3323	$(ar{e}_3\gamma_{\mu}e_3)ig(ar{d}_2\gamma^{\mu}d_3ig)$	\mathbf{C}
ed_3333	$\left(ar{e}_3\gamma_{\mu}e_3 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	R
ud1_1111	$(ar{u}_1\gamma_\mu u_1)(ar{d}_1\gamma^\mu d_1)$	\mathbf{R}
ud1_1112	$(\bar{u}_1\gamma_\mu u_1)(\bar{d}_1\gamma^\mu d_2)$	\mathbf{C}
ud1_1113	$(\bar{u}_1\gamma_\mu u_1)(\bar{d}_1\gamma^\mu d_3)$	\mathbf{C}

WC name	Operator	Type
ud1_1122	$(\bar{u}_1\gamma_\mu u_1) (d_2\gamma^\mu d_2)$	R C
ud1_1123	$(\bar{u}_1\gamma_\mu u_1) (d_2\gamma^\mu d_3)$	R
ud1_1133	$(\bar{u}_1\gamma_\mu u_1)(d_3\gamma^\mu d_3)$	C
ud1_1211	$(\bar{u}_1\gamma_\mu u_2) \left(d_1\gamma^\mu d_1\right)$	
ud1_1212	$(ar{u}_1\gamma_\mu u_2) \left(d_1\gamma^\mu d_2 ight)$	C
ud1_1213	$(ar{u}_1\gamma_\mu u_2) \left(d_1\gamma^\mu d_3 ight)$	C
ud1_1221	$(ar{u}_1\gamma_\mu u_2) \left(d_2\gamma^\mu d_1 ight)$	C
ud1_1222	$(ar{u}_1\gamma_\mu u_2)ig(d_2\gamma^\mu d_2ig)$	C
ud1_1223	$(\bar{u}_1\gamma_\mu u_2) \left(d_2\gamma^\mu d_3\right)$	C
ud1_1231	$(\bar{u}_1\gamma_\mu u_2)(d_3\gamma^\mu d_1)$	С
ud1_1232	$(\bar{u}_1\gamma_\mu u_2) \left(d_3\gamma^\mu d_2\right)$	C
ud1_1233	$(\bar{u}_1\gamma_\mu u_2) \left(d_3\gamma^\mu d_3 \right)$	C
ud1_1311	$(\bar{u}_1\gamma_\mu u_3) \left(d_1\gamma^\mu d_1\right)$	C
ud1_1312	$(\bar{u}_1\gamma_\mu u_3) \left(d_1\gamma^\mu d_2 \right)$	C
ud1_1313	$(ar{u}_1\gamma_\mu u_3) \left(ar{d}_1\gamma^\mu d_3\right)$	C
ud1_1321	$(ar{u}_1\gamma_\mu u_3) \left(ar{d}_2\gamma^\mu d_1 ight)$	C
ud1_1322	$(ar{u}_1\gamma_{\mu}u_3)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	С
ud1_1323	$\left(ar{u}_{1}\gamma_{\mu}u_{3} ight)\left(ar{d}_{2}\gamma^{\mu}d_{3} ight)$	\mathbf{C}
ud1_1331	$\left(ar{u}_{1}\gamma_{\mu}u_{3} ight)\left(ar{d}_{3}\gamma^{\mu}d_{1} ight)$	\mathbf{C}
ud1_1332	$\left(ar{u}_1\gamma_{\mu}u_3 ight)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
ud1_1333	$\left(ar{u}_1\gamma_{\mu}u_3 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ud1_2211	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	R
ud1_2212	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(d_1\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
ud1_2213	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	\mathbf{C}
ud1_2222	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R
ud1_2223	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ud1_2233	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	R
ud1_2311	$\left(ar{u}_2\gamma_{\mu}u_3 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	\mathbf{C}
ud1_2312	$\left(ar{u}_2\gamma_{\mu}u_3 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	\mathbf{C}
ud1_2313	$(ar{u}_2\gamma_\mu u_3)\left(ar{d}_1\gamma^\mu d_3 ight)$	\mathbf{C}
ud1_2321	$(ar{u}_2\gamma_\mu u_3)\left(ar{d}_2\gamma^\mu d_1 ight)$	\mathbf{C}
ud1_2322	$(ar{u}_2\gamma_\mu u_3)\left(ar{d}_2\gamma^\mu d_2 ight)$	\mathbf{C}
ud1_2323	$(ar{u}_2\gamma_\mu u_3)ig(ar{d}_2\gamma^\mu d_3ig)$	\mathbf{C}
ud1_2331	$(ar{u}_2\gamma_\mu u_3)ig(ar{d}_3\gamma^\mu d_1ig)$	\mathbf{C}
ud1_2332	$(ar{u}_2\gamma_\mu u_3)\left(ar{d}_3\gamma^\mu d_2 ight)$	$^{\mathrm{C}}$
ud1_2333	$(ar{u}_2\gamma_\mu u_3)ig(ar{d}_3\gamma^\mu d_3ig)$	$^{\mathrm{C}}$
ud1_3311	$(ar{u}_3\gamma_\mu u_3)(ar{d}_1\gamma^\mu d_1)$	R
ud1_3312	$(\bar{u}_3\gamma_\mu u_3)(\bar{d}_1\gamma^\mu d_2)$	\mathbf{C}
ud1_3313	$(\bar{u}_3\gamma_\mu u_3)(\bar{d}_1\gamma^\mu d_3)$	$^{\mathrm{C}}$
ud1_3322	$(ar{u}_3\gamma_\mu u_3)(ar{d}_2\gamma^\mu d_2)$	R
ud1_3323	$(ar{u}_3\gamma_\mu u_3)ig(ar{d}_2\gamma^\mu d_3ig)$	$^{\mathrm{C}}$
ud1_3333	$(\bar{u}_3\gamma_\mu u_3)(\bar{d}_3\gamma^\mu d_3)$	R
-	(3/4 0) (0/ "0)	-

$\begin{array}{c} \text{ud8_1111} & (\bar{u}_1\gamma_\mu T^A u_1) \; (\bar{d}_1\gamma^\mu T^A d_1) \\ \text{ud8_1112} & (\bar{u}_1\gamma_\mu T^A u_1) \; (\bar{d}_1\gamma^\mu T^A d_2) \\ \text{ud8_1113} & (\bar{u}_1\gamma_\mu T^A u_1) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ \text{ud8_1122} & (\bar{u}_1\gamma_\mu T^A u_1) \; (\bar{d}_2\gamma^\mu T^A d_2) \\ \text{ud8_1123} & (\bar{u}_1\gamma_\mu T^A u_1) \; (\bar{d}_2\gamma^\mu T^A d_3) \\ \text{ud8_1123} & (\bar{u}_1\gamma_\mu T^A u_1) \; (\bar{d}_2\gamma^\mu T^A d_3) \\ \text{ud8_1133} & (\bar{u}_1\gamma_\mu T^A u_1) \; (\bar{d}_2\gamma^\mu T^A d_3) \\ \text{ud8_1211} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_1\gamma^\mu T^A d_2) \\ \text{ud8_1212} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_1\gamma^\mu T^A d_2) \\ \text{ud8_1213} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ \text{ud8_1214} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ \text{ud8_1215} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_2\gamma^\mu T^A d_1) \\ \text{ud8_1221} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_2\gamma^\mu T^A d_3) \\ \text{ud8_1222} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_2\gamma^\mu T^A d_3) \\ \text{ud8_1223} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_2\gamma^\mu T^A d_3) \\ \text{ud8_1231} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_2\gamma^\mu T^A d_3) \\ \text{ud8_1232} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_3\gamma^\mu T^A d_3) \\ \text{ud8_1233} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_3\gamma^\mu T^A d_3) \\ \text{ud8_1311} & (\bar{u}_1\gamma_\mu T^A u_2) \; (\bar{d}_3\gamma^\mu T^A d_3) \\ \text{ud8_1312} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ \text{ud8_1313} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ \text{ud8_1312} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ \text{ud8_1322} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ \text{ud8_1323} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_1\gamma^\mu T^A d_4) \\ \text{ud8_1322} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_2\gamma^\mu T^A d_4) \\ \text{ud8_1333} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_2\gamma^\mu T^A d_4) \\ \text{ud8_1332} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_2\gamma^\mu T^A d_4) \\ \text{ud8_1333} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_2\gamma^\mu T^A d_4) \\ \text{ud8_1333} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_2\gamma^\mu T^A d_4) \\ \text{ud8_1332} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_2\gamma^\mu T^A d_4) \\ \text{ud8_1333} & (\bar{u}_1\gamma_\mu T^A u_3) \; (\bar{d}_3\gamma^\mu T^A d_4) \\ \text{ud8_2314} & (\bar{u}_2\gamma_\mu T^A u_3) \; (\bar{d}_3\gamma^\mu T^A d_4) \\ \text{ud8_2212} & (\bar{u}_2\gamma_\mu T^A u_3) \; (\bar{d}_3\gamma^\mu T^A d_3) \\ \text{ud8_2233} & (\bar{u}_2\gamma_\mu T^A u_2) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ \text{ud8_2233} & (\bar{u}_2\gamma_\mu T^A u_3) \; (\bar{d}_1\gamma^\mu T^A d_3) \\ ud8_233$	WC name	Operator	Type
$\begin{array}{c} \text{ud8_1112} & \left(\bar{u}_1\gamma_{\mu}T^Au_1\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1113} & \left(\bar{u}_1\gamma_{\mu}T^Au_1\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1122} & \left(\bar{u}_1\gamma_{\mu}T^Au_1\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{R} \\ \text{ud8_1123} & \left(\bar{u}_1\gamma_{\mu}T^Au_1\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1133} & \left(\bar{u}_1\gamma_{\mu}T^Au_1\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_3\right) & \text{R} \\ \text{ud8_1211} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1212} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1213} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1221} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1222} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1222} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1233} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1232} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1233} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1233} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1311} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1312} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1313} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1313} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1322} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1331} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1332} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2211} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2213} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2213} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2223} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2311} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & $	ud8_1111	$(\bar{u}_1\gamma_\mu T^A u_1) (\bar{d}_1\gamma^\mu T^A d_1)$	R
$\begin{array}{c} \mathrm{ud8_1113} & (\bar{u}_1\gamma_{\mu}T^Au_1) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1122} & (\bar{u}_1\gamma_{\mu}T^Au_1) (\bar{d}_2\gamma^{\mu}T^Ad_2) & \mathrm{R} \\ \mathrm{ud8_1123} & (\bar{u}_1\gamma_{\mu}T^Au_1) (\bar{d}_2\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1133} & (\bar{u}_1\gamma_{\mu}T^Au_1) (\bar{d}_3\gamma^{\mu}T^Ad_3) & \mathrm{R} \\ \mathrm{ud8_1211} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_1\gamma^{\mu}T^Ad_1) & \mathrm{C} \\ \mathrm{ud8_1212} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_1\gamma^{\mu}T^Ad_2) & \mathrm{C} \\ \mathrm{ud8_1213} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_1\gamma^{\mu}T^Ad_2) & \mathrm{C} \\ \mathrm{ud8_1221} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1222} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_2\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1223} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_2\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1233} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_2\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1233} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_3\gamma^{\mu}T^Ad_2) & \mathrm{C} \\ \mathrm{ud8_1233} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_3\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1233} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_3\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1311} & (\bar{u}_1\gamma_{\mu}T^Au_2) (\bar{d}_3\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1312} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1312} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1313} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1321} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1322} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_1332} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_2\gamma^{\mu}T^Ad_1) & \mathrm{C} \\ \mathrm{ud8_1332} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_2\gamma^{\mu}T^Ad_1) & \mathrm{C} \\ \mathrm{ud8_1333} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_2\gamma^{\mu}T^Ad_1) & \mathrm{C} \\ \mathrm{ud8_1332} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_3\gamma^{\mu}T^Ad_2) & \mathrm{C} \\ \mathrm{ud8_1333} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_3\gamma^{\mu}T^Ad_2) & \mathrm{C} \\ \mathrm{ud8_1333} & (\bar{u}_1\gamma_{\mu}T^Au_3) (\bar{d}_3\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_2211} & (\bar{u}_2\gamma_{\mu}T^Au_3) (\bar{d}_3\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_2213} & (\bar{u}_2\gamma_{\mu}T^Au_2) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_2213} & (\bar{u}_2\gamma_{\mu}T^Au_2) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_2223} & (\bar{u}_2\gamma_{\mu}T^Au_2) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_2231} & (\bar{u}_2\gamma_{\mu}T^Au_3) (\bar{d}_1\gamma^{\mu}T^Ad_3) & \mathrm{C} \\ \mathrm{ud8_2313} & (\bar{u}_2\gamma_{$	ud8_1112		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1113	$(ar{u}_1\gamma_\mu T^A u_1)(ar{d}_1\gamma^\mu T^A d_3)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1122		R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1123		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1133	$(\bar{u}_1\gamma_\mu T^Au_1)(\bar{d}_3\gamma^\mu T^Ad_3)$	R
$\begin{array}{c} \text{ud8_1212} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1213} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1221} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1222} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1223} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1231} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1232} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1233} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1233} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1311} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1312} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1313} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1313} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1322} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1323} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1331} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1332} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2211} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2213} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2213} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_2223} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right)\left(\bar{d}_2\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2233} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2311} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2313} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2313} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2313} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2321} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2321} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & $	ud8_1211	$(ar{u}_1\gamma_\mu T^A u_2)(ar{d}_1\gamma^\mu T^A d_1)$	\mathbf{C}
$\begin{array}{c} \text{ud8_1213} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1221} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right) \left(\bar{d}_2\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1222} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right) \left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1223} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right) \left(\bar{d}_2\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1231} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right) \left(\bar{d}_3\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1232} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right) \left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1233} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right) \left(\bar{d}_3\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1311} & \left(\bar{u}_1\gamma_{\mu}T^Au_2\right) \left(\bar{d}_3\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1312} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1313} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1313} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_1321} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_2\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1322} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1323} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_2\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1331} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_3\gamma^{\mu}T^Ad_1\right) & \text{C} \\ \text{ud8_1332} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_1\gamma_{\mu}T^Au_3\right) \left(\bar{d}_3\gamma^{\mu}T^Ad_2\right) & \text{C} \\ \text{ud8_211} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2212} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2213} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2223} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right) \left(\bar{d}_2\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2233} & \left(\bar{u}_2\gamma_{\mu}T^Au_2\right) \left(\bar{d}_2\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2311} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2312} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2313} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2314} & \left(\bar{u}_2\gamma_{\mu}T^Au_3\right) \left(\bar{d}_1\gamma^{\mu}T^Ad_3\right) & \text{C} \\ \text{ud8_2315} & \left(\bar{u}_2\gamma_{\mu}T^A$	ud8_1212		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1213		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1221		\mathbf{C}
$\begin{array}{c} \text{ud8_1223} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{2}\gamma^{\mu}T^{A}d_{3}\right) & \text{C} \\ \text{ud8_1231} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{3}\gamma^{\mu}T^{A}d_{1}\right) & \text{C} \\ \text{ud8_1232} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{3}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_1233} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{3}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_1311} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{1}\right) & \text{C} \\ \text{ud8_1312} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_1313} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_1321} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{2}\gamma^{\mu}T^{A}d_{1}\right) & \text{C} \\ \text{ud8_1322} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{2}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_1323} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{2}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_1331} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{2}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_1332} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{3}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_1333} & \left(\bar{u}_{1}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{3}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_2211} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{3}\right) & \text{C} \\ \text{ud8_2212} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_2213} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_2223} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{2}\gamma^{\mu}T^{A}d_{3}\right) & \text{C} \\ \text{ud8_2233} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{2}\gamma^{\mu}T^{A}d_{3}\right) & \text{C} \\ \text{ud8_2311} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{2}\right)\left(\bar{d}_{2}\gamma^{\mu}T^{A}d_{3}\right) & \text{C} \\ \text{ud8_2312} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_2313} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{2}\right) & \text{C} \\ \text{ud8_2321} & \left(\bar{u}_{2}\gamma_{\mu}T^{A}u_{3}\right)\left(\bar{d}_{1}\gamma^{\mu}T^{A}d_{3}\right) & \text{C} \\ \end{array}$	ud8_1222		C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1223		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1231	$\left(ar{u}_1\gamma_\mu T^A u_2 ight)\left(ar{d}_3\gamma^\mu T^A d_1 ight)$	C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1232	$\left(ar{u}_1\gamma_\mu T^A u_2 ight)\left(ar{d}_3\gamma^\mu T^A d_2 ight)$	C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1233		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1311		C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1312	$\left(ar{u}_1\gamma_\mu T^Au_3 ight)\left(ar{d}_1\gamma^\mu T^Ad_2 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1313		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1321		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1322	$\left(ar{u}_1\gamma_\mu T^A u_3 ight)\left(ar{d}_2\gamma^\mu T^A d_2 ight)$	C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1323	$\left(ar{u}_1\gamma_\mu T^Au_3 ight)\left(ar{d}_2\gamma^\mu T^Ad_3 ight)$	C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1331		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1332	$(\bar{u}_1\gamma_\mu T^Au_3)(\bar{d}_3\gamma^\mu T^Ad_2)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_1333	$(\bar{u}_1\gamma_\mu T^Au_3)(\bar{d}_3\gamma^\mu T^Ad_3)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_2211	$\left(ar{u}_2\gamma_\mu T^A u_2 ight)\left(ar{d}_1\gamma^\mu T^A d_1 ight)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_2212	$\left(ar{u}_2\gamma_\mu T^A u_2 ight)\left(ar{d}_1\gamma^\mu T^A d_2 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_2213	$(ar{u}_2\gamma_\mu T^A u_2) (ar{d}_1\gamma^\mu T^A d_3)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_2222	$\left(ar{u}_2\gamma_\mu T^A u_2 ight)\left(ar{d}_2\gamma^\mu T^A d_2 ight)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_2223	$\left(ar{u}_2\gamma_\mu T^A u_2 ight)\left(ar{d}_2\gamma^\mu T^A d_3 ight)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_2233	$(ar{u}_2\gamma_\mu T^A u_2) (ar{d}_3\gamma^\mu T^A d_3)$	R
ud8_2313 $(\bar{u}_2\gamma_{\mu}T^Au_3)(\bar{d}_1\gamma^{\mu}T^Ad_3)$ C ud8_2321 $(\bar{u}_2\gamma_{\mu}T^Au_3)(\bar{d}_2\gamma^{\mu}T^Ad_1)$ C	ud8_2311		$^{\mathrm{C}}$
ud8_2313 $(\bar{u}_2\gamma_{\mu}T^Au_3)(\bar{d}_1\gamma^{\mu}T^Ad_3)$ C ud8_2321 $(\bar{u}_2\gamma_{\mu}T^Au_3)(\bar{d}_2\gamma^{\mu}T^Ad_1)$ C	ud8_2312		\mathbf{C}
	ud8_2313		\mathbf{C}
ud8 2322 $(\bar{q}_2\gamma_\mu T^A q_2)(\bar{d}_2\gamma^\mu T^A d_2)$ C	ud8_2321		$^{\mathrm{C}}$
<u>-</u> (~2/µ+ ~3) (~2/ + ~2/	ud8_2322	$\left\langle ar{u}_2 \gamma_\mu T^A u_3 \right\rangle \left\langle ar{d}_2 \gamma^\mu T^A d_2 \right\rangle$	\mathbf{C}
ud8_2323 $(\bar{u}_2 \gamma_\mu T^A u_3) (\bar{d}_2 \gamma^\mu T^A d_3)$ C	ud8_2323	$\left(ar{u}_2\gamma_{\mu}T^Au_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_3 ight)$	\mathbf{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_2331	$(\bar{u}_2\gamma_\mu T^Au_3)(\bar{d}_3\gamma^\mu T^Ad_1)$	\mathbf{C}
ud8_2332 $\left(\bar{u}_2\gamma_\mu T^A u_3\right)\left(\bar{d}_3\gamma^\mu T^A d_2\right)$ C	ud8_2332	$\left(ar{u}_2\gamma_\mu T^Au_3 ight)\left(ar{d}_3\gamma^\mu T^Ad_2 ight)$	\mathbf{C}
ud8_2333 $\left(\bar{u}_2\gamma_{\mu}T^Au_3\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_3\right)$ C	ud8_2333	$\left(ar{u}_2\gamma_{\mu}T^Au_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	\mathbf{C}
ud8_3311 $(\bar{u}_3\gamma_{\mu}T^Au_3)(\bar{d}_1\gamma^{\mu}T^Ad_1)$ R	ud8_3311	$\left(\bar{u}_3\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_1\right)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ud8_3312	$\left(ar{u}_3\gamma_{\mu}T^Au_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_2 ight)$	\mathbf{C}
ud8_3313 $\left(\bar{u}_3\gamma_{\mu}T^Au_3\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right)$ C	ud8_3313	$\left(ar{u}_3\gamma_\mu T^A u_3 ight)\left(ar{d}_1\gamma^\mu T^A d_3 ight)$	\mathbf{C}

WC name	Operator	Type
ud8_3322	$\left(ar{u}_3\gamma_{\mu}T^Au_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_2 ight)$	R
ud8_3323	$\left(ar{u}_3\gamma_\mu T^Au_3 ight)\left(ar{d}_2\gamma^\mu T^Ad_3 ight)$	\mathbf{C}
ud8_3333	$\left(ar{u}_3\gamma_\mu T^Au_3 ight)\left(ar{d}_3\gamma^\mu T^Ad_3 ight)$	R
le_1111	$\left(ar{\ell}_1\gamma_{\mu}\ell_1 ight)\left(ar{e}_1\gamma^{\mu}e_1 ight)$	R
le_1112	$(ar{\ell}_1\gamma_\mu\ell_1)(ar{e}_1\gamma^\mu e_2)$	\mathbf{C}
le_1113	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_1\gamma^\mu e_3 ight)$	\mathbf{C}
le_1122	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_2\gamma^\mu e_2 ight)$	R
le_1123	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	$^{\mathrm{C}}$
le_1133	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_3\gamma^\mu e_3 ight)$	R
le_1211	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_1 ight)$	С
le_1212	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_2 ight)$	С
le_1213	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_3 ight)$	\mathbf{C}
le_1221	$\left(ar{\ell}_1 \gamma_\mu \ell_2 ight) \left(ar{e}_2 \gamma^\mu e_1 ight)$	\mathbf{C}
le_1222	$\left(\ell_1 \gamma_\mu \ell_2 ight) \left(ar{e}_2 \gamma^\mu e_2 ight)$	\mathbf{C}
le_1223	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	\mathbf{C}
le_1231	$\left(ar{\ell}_1 \gamma_\mu \ell_2 ight) \left(ar{e}_3 \gamma^\mu e_1 ight)$	\mathbf{C}
le_1232	$\left(ar{\ell}_1 \gamma_\mu \ell_2 ight) \left(ar{e}_3 \gamma^\mu e_2 ight)$	\mathbf{C}
le_1233	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_3\gamma^\mu e_3 ight)$	\mathbf{C}
le_1311	$\left(ar{\ell}_1 \gamma_\mu \ell_3 ight) \left(ar{e}_1 \gamma^\mu e_1 ight)$	\mathbf{C}
le_1312	$\left(ar{\ell}_1 \gamma_\mu \ell_3 ight) \left(ar{e}_1 \gamma^\mu e_2 ight)$	\mathbf{C}
le_1313	$\left(ar{\ell}_1 \gamma_\mu \ell_3 ight) \left(ar{e}_1 \gamma^\mu e_3 ight)$	\mathbf{C}
le_1321	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_1 ight)$	\mathbf{C}
le_1322	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_2 ight)$	\mathbf{C}
le_1323	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	\mathbf{C}
le_1331	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_3\gamma^\mu e_1 ight)$	\mathbf{C}
le_1332	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_3\gamma^\mu e_2 ight)$	\mathbf{C}
le_1333	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_3\gamma^\mu e_3 ight)$	\mathbf{C}
le_2211	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_1 ight)$	R
le_2212	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_2 ight)$	\mathbf{C}
le_2213	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_3 ight)$	\mathbf{C}
le_2222	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_2\gamma^\mu e_2 ight)$	R
le_2223	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	\mathbf{C}
le_2233	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_3\gamma^\mu e_3 ight)$	R
le_2311	$\left(\ell_2 \gamma_\mu \ell_3 \right) \left(\bar{e}_1 \gamma^\mu e_1 \right)$	\mathbf{C}
le_2312	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{e}_1\gamma^\mu e_2 ight)$	С
le_2313	$\left(ar{\ell}_2 \gamma_\mu \ell_3 ight) \left(ar{e}_1 \gamma^\mu e_3 ight)$	\mathbf{C}
le_2321	$\left(ar{\ell}_2 \gamma_\mu \ell_3 ight) \left(ar{e}_2 \gamma^\mu e_1 ight)$	\mathbf{C}
le_2322	$\left(ar{\ell}_2 \gamma_\mu \ell_3 ight) \left(ar{e}_2 \gamma^\mu e_2 ight)$	C
le_2323	$\left(ar{\ell}_2 \gamma_\mu \ell_3 ight) \left(ar{e}_2 \gamma^\mu e_3 ight)$	C
le_2331	$\left(ar{\ell}_2 \gamma_\mu \ell_3 ight) \left(ar{e}_3 \gamma^\mu e_1 ight)$	\mathbf{C}
le_2332	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{e}_3\gamma^\mu e_2 ight)$	\mathbf{C}
le_2333	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{e}_3\gamma^\mu e_3 ight)$	\mathbf{C}

WC name	Operator	Type
le_3311	$(\bar{\ell}_3 \gamma_\mu \ell_3) (\bar{e}_1 \gamma^\mu e_1)$	R
le_3312	$\left(ar{\ell}_3\gamma_\mu\ell_3\right)\left(ar{e}_1\gamma^\mu e_2 ight)$	\mathbf{C}
le_3313	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{e}_1\gamma^\mu e_3 ight)$	\mathbf{C}
le_3322	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_2 ight)$	\mathbf{R}
le_3323	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	\mathbf{C}
le_3333	$\left(ar{\ell}_3\gamma_\mu\ell_3\right)\left(ar{e}_3\gamma^\mu e_3 ight)$	\mathbf{R}
lu_1111	$(\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{u}_1 \gamma^\mu u_1)$	\mathbf{R}
lu_1112	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1113	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	\mathbf{C}
lu_1122	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_2\gamma^\mu u_2 ight)$	\mathbf{R}
lu_1123	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	\mathbf{C}
lu_1133	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_3\gamma^\mu u_3 ight)$	\mathbf{R}
lu_1211	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	\mathbf{C}
lu_1212	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1213	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	\mathbf{C}
lu_1221	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_1 ight)$	\mathbf{C}
lu_1222	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1223	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	\mathbf{C}
lu_1231	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_3\gamma^\mu u_1 ight)$	\mathbf{C}
lu_1232	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_3\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1233	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_3\gamma^\mu u_3 ight)$	\mathbf{C}
lu_1311	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	\mathbf{C}
lu_1312	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1313	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	\mathbf{C}
lu_1321	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_2\gamma^\mu u_1 ight)$	\mathbf{C}
lu_1322	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_2\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1323	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	\mathbf{C}
lu_1331	$\left(ar{\ell}_1\gamma_\mu\ell_3\right)\left(ar{u}_3\gamma^\mu u_1 ight)$	\mathbf{C}
lu_1332	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_3\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1333	$\left(ar{\ell}_1\gamma_\mu\ell_3\right)\left(ar{u}_3\gamma^\mu u_3 ight)$	\mathbf{C}
lu_2211	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	\mathbf{R}
lu_2212	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	\mathbf{C}
lu_2213	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	\mathbf{C}
lu_2222	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_2 ight)$	\mathbf{R}
lu_2223	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	\mathbf{C}
lu_2233	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_3\gamma^\mu u_3 ight)$	\mathbf{R}
lu_2311	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	\mathbf{C}
lu_2312	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	\mathbf{C}
lu_2313	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	\mathbf{C}
lu_2321	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{u}_2\gamma^\mu u_1)$	\mathbf{C}
lu_2322	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{u}_2\gamma^\mu u_2 ight)$	\mathbf{C}
lu_2323	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	\mathbf{C}

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$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{ccc} \text{1d_1122} & & \left(\bar{\ell}_1\gamma_\mu\ell_1\right)\left(\bar{d}_2\gamma^\mu d_2\right) & & \text{R} \\ \text{1d_1123} & & \left(\bar{\ell}_1\gamma_\mu\ell_1\right)\left(\bar{d}_2\gamma^\mu d_3\right) & & \text{C} \end{array}$
ld_1123 $\left(\bar{\ell}_1\gamma_\mu\ell_1\right)\left(\bar{d}_2\gamma^\mu d_3\right)$ C
ld_1133 $\left(\ell_1\gamma_\mu\ell_1\right)\left(d_3\gamma^\mu d_3\right)$ R
ld_1211 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_1)$ C
ld_1212 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_2)$ C
ld_1213 $(\bar{\ell}_1\gamma_\mu\ell_2)(\bar{d}_1\gamma^\mu d_3)$ C
ld_1221 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_1)$ C
ld_1222 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_2)$ C
ld_1223 $\left(\bar{\ell}_1\gamma_\mu\ell_2\right)\left(\bar{d}_2\gamma^\mu d_3\right)$ C
ld_1231 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_1)$ C
ld_1232 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_2)$ C
ld_1233 $(\bar{\ell}_1\gamma_\mu\ell_2)(\bar{d}_3\gamma^\mu d_3)$ C
ld_1311 $\left(\bar{\ell}_1\gamma_\mu\ell_3\right)\left(\bar{d}_1\gamma^\mu d_1\right)$ C
ld_1312 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_2)$ C
ld_1313 $\left(\bar{\ell}_1\gamma_\mu\ell_3\right)\left(\bar{d}_1\gamma^\mu d_3\right)$ C
ld_1321 $\left(\bar{\ell}_1\gamma_\mu\ell_3\right)\left(\bar{d}_2\gamma^\mu d_1\right)$ C
ld_1322 $\left(\bar{\ell}_1\gamma_\mu\ell_3\right)\left(\bar{d}_2\gamma^\mu d_2\right)$ C
ld_1323 $ \left(\ell_1 \gamma_\mu \ell_3\right) \left(d_2 \gamma^\mu d_3\right) $ C
ld_1331 $\left(\bar{\ell}_1\gamma_\mu\ell_3\right)\left(\bar{d}_3\gamma^\mu d_1\right)$ C
ld_1332 $\left(\bar{\ell}_1\gamma_\mu\ell_3\right)\left(\bar{d}_3\gamma^\mu d_2\right)$ C
ld_1333 $\left(\bar{\ell}_1\gamma_\mu\ell_3\right)\left(\bar{d}_3\gamma^\mu d_3\right)$ C
ld_2211 $\left(\bar{\ell}_2\gamma_\mu\ell_2\right)\left(\bar{d}_1\gamma^\mu d_1\right)$ R
ld_2212 $\left(\bar{\ell}_2\gamma_\mu\ell_2\right)\left(\bar{d}_1\gamma^\mu d_2\right)$ C
ld_2213 $(\bar{\ell}_2\gamma_\mu\ell_2)(\bar{d}_1\gamma^\mu d_3)$ C
ld_2222 $\left(\bar{\ell}_2\gamma_\mu\ell_2\right)\left(\bar{d}_2\gamma^\mu d_2\right)$ R
ld_2223 $\left(\bar{\ell}_2\gamma_\mu\ell_2\right)\left(\bar{d}_2\gamma^\mu d_3\right)$ C
ld_2233 $\left(\bar{\ell}_2\gamma_\mu\ell_2\right)\left(\bar{d}_3\gamma^\mu d_3\right)$ R
ld_2311 $(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_1)$ C
ld_2312 $\left(\bar{\ell}_2\gamma_\mu\ell_3\right)\left(\bar{d}_1\gamma^\mu d_2\right)$ C
ld_2313 $\left(\bar{\ell}_2\gamma_\mu\ell_3\right)\left(\bar{d}_1\gamma^\mu d_3\right)$ C

WC name	Operator	Type
ld_2321	$\left(ar{\ell}_2\gamma_{\mu}\ell_3 ight)\left(ar{d}_2\gamma^{\mu}d_1 ight)$	C
ld_2322	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_2\gamma^\mu d_2 ight)$	C
ld_2323	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{d}_2\gamma^\mu d_3)$	\mathbf{C}
ld_2331	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_3\gamma^\mu d_1 ight)$	\mathbf{C}
ld_2332	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_3\gamma^\mu d_2 ight)$	\mathbf{C}
ld_2333	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_3\gamma^\mu d_3 ight)$	\mathbf{C}
ld_3311	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_1 ight)$	R
ld_3312	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
ld_3313	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
_ 1d_3322	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_2\gamma^\mu d_2 ight)$	R
_ 1d_3323	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_2\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
_ 1d_3333	$(ar{\ell}_3\gamma_\mu\ell_3)(ar{d}_3\gamma^\mu d_3)$	R
_ qe_1111	$(ar{q}_1\gamma_\mu q_1)(ar{e}_1\gamma^\mu e_1)$	R
qe_1112	$(ar{q}_1\gamma_\mu q_1)(ar{e}_1\gamma^\mu e_2)$	C
qe_1113	$(ar{q}_1\gamma_\mu q_1)(ar{e}_1\gamma^\mu e_3)$	\mathbf{C}
qe_1122	$(ar{q}_1\gamma_\mu q_1)(ar{e}_2\gamma^\mu e_2)$	R
qe_1123	$(ar{q}_1\gamma_\mu q_1)(ar{e}_2\gamma^\mu e_3)$	C
qe_1133	$\left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	\mathbf{R}
qe_1211	$\left(\bar{q}_1\gamma_{\mu}q_2\right)\left(\bar{e}_1\gamma^{\mu}e_1\right)$	С
qe_1212	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_1\gamma^{\mu}e_2 ight)$	C
qe_1213	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_1\gamma^{\mu}e_3 ight)$	C
qe_1221	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_2\gamma^{\mu}e_1 ight)$	\mathbf{C}
qe_1222	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_2\gamma^{\mu}e_2 ight)$	C
qe_1223	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	C
qe_1231	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_3\gamma^{\mu}e_1 ight)$	C
qe_1232	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_3\gamma^{\mu}e_2 ight)$	C
qe_1233	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	C
qe_1311	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{e}_1\gamma^{\mu}e_1 ight)$	C
qe_1312	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{e}_1\gamma^{\mu}e_2 ight)$	C
qe_1313	$(ar{q}_1\gamma_\mu q_3)(ar{e}_1\gamma^\mu e_3)$	C
qe_1321	$(ar{q}_1\gamma_\mu q_3)(ar{e}_2\gamma^\mu e_1)$	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 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 qe_2211	$(\bar{q}_1\gamma_\mu q_3)(\bar{e}_3\gamma^\mu e_3)$	R
qe_2211 qe_2212	$egin{array}{l} (ar{q}_2\gamma_{\mu}q_2)(ar{e}_1\gamma^{\mu}e_1) \ (ar{q}_2\gamma_{\mu}q_2)(ar{e}_1\gamma^{\mu}e_2) \end{array}$	C C
qe_2212 qe_2213	$rac{(q_2\gamma_\mu q_2)(e_1\gamma,e_2)}{(ar q_2\gamma_\mu q_2)(ar e_1\gamma^\mu e_3)}$	C
qe_2213 qe_2222	$(q_2\gamma_\mu q_2)(e_1\gamma^{-}e_3) \ (ar{q}_2\gamma_\mu q_2)(ar{e}_2\gamma^\mu e_2)$	R
qe_2222 qe_2223	$(q_2\gamma_\mu q_2)(\bar{e}_2\gamma^\mu e_2) \ (ar{q}_2\gamma_\mu q_2)(ar{e}_2\gamma^\mu e_3)$	C
qe_2233 qe_2233	$(q_2\gamma_\mu q_2)(\bar{e}_2\gamma^\mu\bar{e}_3) \ (ar{q}_2\gamma_\mu q_2)(ar{e}_3\gamma^\mu\bar{e}_3)$	R
qe_2233 qe_2311	$(ar{q}_2\gamma_\mu q_2)(ar{e}_3\gamma^{}ar{e}_3) \ (ar{q}_2\gamma_\mu q_3)(ar{e}_1\gamma^\mu e_1)$	C
4~_2011	$(42 \mid \mu 43) \ (\Box \mid \Box \mid)$	C

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

WC name	Operator	Type
qu1_2311	$(\bar{q}_2\gamma_\mu q_3)(\bar{u}_1\gamma^\mu u_1)$	С
qu1_2312	$(ar{q}_2\gamma_\mu q_3)(ar{u}_1\gamma^\mu u_2)$	\mathbf{C}
qu1_2313	$(ar{q}_2\gamma_\mu q_3)(ar{u}_1\gamma^\mu u_3)$	\mathbf{C}
qu1_2321	$(ar{q}_2\gamma_\mu q_3)(ar{u}_2\gamma^\mu u_1)$	\mathbf{C}
qu1_2322	$(ar{q}_2\gamma_\mu q_3)(ar{u}_2\gamma^\mu u_2)$	\mathbf{C}
qu1_2323	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{u}_2\gamma^{\mu}u_3 ight)$	\mathbf{C}
qu1_2331	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{u}_3\gamma^{\mu}u_1 ight)$	\mathbf{C}
qu1_2332	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{u}_3\gamma^{\mu}u_2 ight)$	\mathbf{C}
qu1_2333	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{u}_3\gamma^{\mu}u_3 ight)$	\mathbf{C}
qu1_3311	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{u}_1\gamma^{\mu}u_1 ight)$	\mathbf{R}
qu1_3312	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{u}_1\gamma^{\mu}u_2 ight)$	\mathbf{C}
qu1_3313	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{u}_1\gamma^{\mu}u_3 ight)$	\mathbf{C}
qu1_3322	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	\mathbf{R}
qu1_3323	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{u}_2\gamma^{\mu}u_3 ight)$	\mathbf{C}
qu1_3333	$(ar{q}_3\gamma_\mu q_3)(ar{u}_3\gamma^\mu u_3)$	R
qd1_1111	$\left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	\mathbf{R}
qd1_1112	$\left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	\mathbf{C}
qd1_1113	$\left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	\mathbf{C}
qd1_1122	$(ar{q}_1\gamma_\mu q_1) \left(ar{d}_2\gamma^\mu d_2 ight)$	\mathbf{R}
qd1_1123	$(ar{q}_1\gamma_\mu q_1)\left(ar{d}_2\gamma^\mu d_3 ight)$	\mathbf{C}
qd1_1133	$(ar{q}_1\gamma_\mu q_1) \left(ar{d}_3\gamma^\mu d_3 ight)$	\mathbf{R}
qd1_1211	$(ar{q}_1\gamma_\mu q_2)\left(ar{d}_1\gamma^\mu d_1 ight)$	\mathbf{C}
qd1_1212	$(ar{q}_1\gamma_\mu q_2) \left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
qd1_1213	$(\bar{q}_1\gamma_\mu q_2)(\bar{d}_1\gamma^\mu d_3)$	\mathbf{C}
qd1_1221	$(ar{q}_1\gamma_\mu q_2) (ar{d}_2\gamma^\mu d_1)$	\mathbf{C}
qd1_1222	$(ar{q}_1\gamma_\mu q_2) \left(ar{d}_2\gamma^\mu d_2 ight)$	\mathbf{C}
qd1_1223	$(ar{q}_1\gamma_\mu q_2) (ar{d}_2\gamma^\mu d_3)$	\mathbf{C}
qd1_1231	$(\bar{q}_1\gamma_\mu q_2) (\bar{d}_3\gamma^\mu d_1)$	\mathbf{C}
qd1_1232	$(ar{q}_1\gamma_\mu q_2) (ar{d}_3\gamma^\mu d_2)$	\mathbf{C}
qd1_1233	$(\bar{q}_1\gamma_\mu q_2)(\bar{d}_3\gamma^\mu d_3)$	\mathbf{C}
qd1_1311	$(ar{q}_1\gamma_\mu q_3) \left(ar{d}_1\gamma^\mu d_1 ight)$	Ċ
qd1_1312	$(ar{q}_1\gamma_\mu q_3) \left(ar{d}_1\gamma^\mu d_2 ight)$	Ċ
qd1_1313	$egin{array}{l} (ar{q}_1\gamma_\mu q_3) & (ar{d}_1\gamma^\mu d_3) \ \end{array}$	C
qd1_1321	$(ar{q}_1\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_1 ight)$	$\overset{\circ}{\mathrm{C}}$
qd1_1322	$egin{array}{l} (q_1\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_2 ight) \ \left(ar{q}_1\gamma_\mu q_3 ight) \left(ar{d}_2\gamma^\mu d_2 ight) \end{array}$	$\stackrel{\circ}{\mathrm{C}}$
qd1_1323	$(ar{q}_1\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_3 ight) \ \left(ar{q}_1\gamma_\mu q_3 ight) \left(ar{d}_2\gamma^\mu d_3 ight)$	$\stackrel{\circ}{\mathrm{C}}$
qd1_1331	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight) \ \left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{d}_3\gamma^{\mu}d_1 ight)$	C
qd1_1332	$(q_1\gamma_\mu q_3) \left(a_3\gamma^\mu a_1 ight) \ \left(ar q_1\gamma_\mu q_3 ight) \left(ar d_3\gamma^\mu d_2 ight)$	C
qd1_1333	$(q_1\gamma_\mu q_3) \left(a_3\gamma^\mu a_2 ight) \ \left(ar q_1\gamma_\mu q_3 ight) \left(ar d_3\gamma^\mu d_3 ight)$	C
	$(41 \ \gamma \mu 43) \ (43 \ \gamma \ 43)$ $(\bar{a}_{2} \alpha_{1} \ a_{2}) \ (\bar{d}_{3} \alpha_{1} \mu d_{3})$	R
qd1_2211	$(\bar{q}_2\gamma_\mu q_2) \left(\bar{d}_1\gamma^\mu d_1\right)$	C C
qd1_2212	$(\bar{q}_2\gamma_\mu q_2) (\bar{d}_1\gamma^\mu d_2)$	C
qd1_2213	$(\bar{q}_2\gamma_\mu q_2) \left(\bar{d}_1\gamma^\mu d_3\right)$	
qd1_2222	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R

WC name	Operator	Type
qd1_2223	$(ar{q}_2\gamma_\mu q_2)\left(ar{d}_2\gamma^\mu d_3 ight)$	С
qd1_2233	$(ar{q}_2\gamma_\mu q_2) \left(ar{d}_3\gamma^\mu d_3 ight)$	${ m R}$
qd1_2311	$(ar{q}_2\gamma_\mu q_3) \left(ar{d}_1\gamma^\mu d_1 ight)$	\mathbf{C}
qd1_2312	$(ar{q}_2\gamma_\mu q_3) \left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
qd1_2313	$(ar{q}_2\gamma_\mu q_3)\left(ar{d}_1\gamma^\mu d_3 ight)$	\mathbf{C}
qd1_2321	$(ar{q}_2\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_1 ight)$	$^{\mathrm{C}}$
qd1_2322	$(ar{q}_2\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_2 ight)$	$^{\mathrm{C}}$
qd1_2323	$(ar{q}_2\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_3 ight)$	\mathbf{C}
qd1_2331	$(ar{q}_2\gamma_\mu q_3) \left(ar{d}_3\gamma^\mu d_1 ight)$	$^{\mathrm{C}}$
qd1_2332	$(ar{q}_2\gamma_\mu q_3)ig(ar{d}_3\gamma^\mu d_2ig)$	$^{\mathrm{C}}$
qd1_2333	$(ar{q}_2\gamma_\mu q_3) \left(ar{d}_3\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
qd1_3311	$(ar{q}_3\gamma_{\mu}q_3)ig(ar{d}_1\gamma^{\mu}d_1ig)$	R
qd1_3312	$(ar{q}_3\gamma_{\mu}q_3) \left(ar{d}_1\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
qd1_3313	$(ar{q}_3\gamma_{\mu}q_3)ig(ar{d}_1\gamma^{\mu}d_3ig)$	$^{\mathrm{C}}$
qd1_3322	$(ar{q}_3\gamma_{\mu}q_3)ig(ar{d}_2\gamma^{\mu}d_2ig)$	R
qd1_3323	$(ar{q}_3\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
qd1_3333	$(ar{q}_3\gamma_{\mu}q_3)ig(ar{d}_3\gamma^{\mu}d_3ig)$	R
qu8_1111	$(ar{q}_1\gamma_\mu T^Aq_1)(ar{u}_1\gamma^\mu T^Au_1)$	R
qu8_1112	$\left\langle ar{q}_1 \gamma_\mu T^A q_1 \right\rangle \left\langle ar{u}_1 \gamma^\mu T^A u_2 \right\rangle$	\mathbf{C}
qu8_1113	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{u}_1\gamma^\mu T^Au_3 ight)$	\mathbf{C}
qu8_1122	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{u}_2\gamma^{\mu}T^Au_2 ight)$	R
qu8_1123	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{u}_2\gamma^\mu T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_1133	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{u}_3\gamma^{\mu}T^Au_3 ight)$	R
qu8_1211	$(ar{q}_1\gamma_\mu T^Aq_2)~(ar{u}_1\gamma^\mu T^Au_1)$	\mathbf{C}
qu8_1212	$\left(ar{q}_1\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_1\gamma^{\mu}T^Au_2 ight)$	\mathbf{C}
qu8_1213	$\left(ar{q}_1\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_1\gamma^{\mu}T^Au_3 ight)$	\mathbf{C}
qu8_1221	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{u}_2\gamma^\mu T^Au_1 ight)$	\mathbf{C}
qu8_1222	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{u}_2\gamma^\mu T^Au_2 ight)$	$^{\mathrm{C}}$
qu8_1223	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{u}_2\gamma^\mu T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_1231	$\left(ar{q}_1 \gamma_\mu T^A q_2 \right) \left(ar{u}_3 \gamma^\mu T^A u_1 \right)$	C
qu8_1232	$\left(ar{q}_1\gamma_{\mu}T^Aq_2\right)\left(ar{u}_3\gamma^{\mu}T^Au_2\right)$	C
qu8_1233	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{u}_3\gamma^\mu T^Au_3 ight)$	C
qu8_1311	$\left(ar{q}_1\gamma_\mu T^A q_3 ight)\left(ar{u}_1\gamma^\mu T^A u_1 ight)$	C
qu8_1312	$\left\langle ar{q}_{1}\gamma_{\mu}T^{A}q_{3} ight angle \left\langle ar{u}_{1}\gamma^{\mu}T^{A}u_{2} ight angle$	С
qu8_1313	$\left\langle ar{q}_{1}\gamma_{\mu}T^{A}q_{3} ight angle \left\langle ar{u}_{1}\gamma^{\mu}T^{A}u_{3} ight angle$	С
qu8_1321	$\left\langle \bar{q}_{1}\gamma_{\mu}T^{A}q_{3}\right\rangle \left\langle \bar{u}_{2}\gamma^{\mu}T^{A}u_{1}\right\rangle$	C
qu8_1322	$\left\langle \bar{q}_{1}\gamma_{\mu}T^{A}q_{3}\right\rangle \left\langle \bar{u}_{2}\gamma^{\mu}T^{A}u_{2}\right\rangle$	С
qu8_1323	$\langle \bar{q}_1 \gamma_\mu T^A q_3 \rangle \langle \bar{u}_2 \gamma^\mu T^A u_3 \rangle$	С
qu8_1331	$\langle \bar{q}_1 \gamma_\mu T^A q_3 \rangle \langle \bar{u}_3 \gamma^\mu T^A u_1 \rangle$	C
qu8_1332	$\langle \bar{q}_1 \gamma_\mu T^A q_3 \rangle \langle \bar{u}_3 \gamma^\mu T^A u_2 \rangle$	С
qu8_1333	$\langle \bar{q}_1 \gamma_\mu T^A q_3 \rangle \langle \bar{u}_3 \gamma^\mu T^A u_3 \rangle$	С
qu8_2211	$\left\langle \bar{q}_2 \gamma_\mu T^A q_2 \right\rangle \left\langle \bar{u}_1 \gamma^\mu T^A u_1 \right\rangle$	R
qu8_2212	$\left\langle ar{q}_{2}\gamma_{\mu}T^{A}q_{2} ight angle \left\langle ar{u}_{1}\gamma^{\mu}T^{A}u_{2} ight angle$	\mathbf{C}

WC name	Operator	Type
qu8_2213	$\left(\bar{q}_2\gamma_{\mu}T^Aq_2\right)\left(\bar{u}_1\gamma^{\mu}T^Au_3\right)$	C
qu8_2222	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_2\gamma^{\mu}T^Au_2 ight)$	R
qu8_2223	$\left\langle ar{q}_2\gamma_{\mu}T^Aq_2 ight angle \left\langle ar{u}_2\gamma^{\mu}T^Au_3 ight angle$	\mathbf{C}
qu8_2233	$\left(ar{q}_2\gamma_\mu T^Aq_2 ight)\left(ar{u}_3\gamma^\mu T^Au_3 ight)$	R
qu8_2311	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_1\gamma^\mu T^Au_1 ight)$	$^{\mathrm{C}}$
qu8_2312	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_1\gamma^\mu T^Au_2 ight)$	$^{\mathrm{C}}$
qu8_2313	$\left(ar{q}_2\gamma_\mu T^Aq_3\right)\left(ar{u}_1\gamma^\mu T^Au_3\right)$	$^{\mathrm{C}}$
qu8_2321	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_2\gamma^\mu T^Au_1 ight)$	$^{\mathrm{C}}$
qu8_2322	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_2\gamma^\mu T^Au_2 ight)$	$^{\mathrm{C}}$
qu8_2323	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_2\gamma^\mu T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_2331	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_3\gamma^\mu T^Au_1 ight)$	$^{\mathrm{C}}$
qu8_2332	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_3\gamma^{\mu}T^Au_2 ight)$	$^{\mathrm{C}}$
qu8_2333	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_3\gamma^{\mu}T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_3311	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_1\gamma^{\mu}T^Au_1 ight)$	R
qu8_3312	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_1\gamma^{\mu}T^Au_2 ight)$	$^{\mathrm{C}}$
qu8_3313	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_1\gamma^{\mu}T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_3322	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_2\gamma^{\mu}T^Au_2 ight)$	R
qu8_3323	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_2\gamma^{\mu}T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_3333	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_3\gamma^{\mu}T^Au_3 ight)$	R
qd8_1111	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_1 ight)$	R
qd8_1112	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_2 ight)$	$^{\mathrm{C}}$
qd8_1113	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{d}_1\gamma^\mu T^Ad_3 ight)$	\mathbf{C}
qd8_1122	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{d}_2\gamma^\mu T^Ad_2 ight)$	R
qd8_1123	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_3 ight)$	\mathbf{C}
qd8_1133	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	R
qd8_1211	$\left(ar{q}_1\gamma_{\mu}T^Aq_2 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_1 ight)$	\mathbf{C}
qd8_1212	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{d}_1\gamma^\mu T^Ad_2 ight)$	$^{\mathrm{C}}$
qd8_1213	$\left(ar{q}_1\gamma_{\mu}T^Aq_2 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
qd8_1221	$\left(ar{q}_1\gamma_{\mu}T^Aq_2 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_1 ight)$	$\dot{ ext{C}}$
qd8_1222	$egin{pmatrix} (ar{q}_1\gamma_\mu T^Aq_2) & (ar{d}_2\gamma^\mu T^Ad_2) \end{pmatrix}$	$^{\mathrm{c}}$
qd8_1223	$egin{pmatrix} (ar{q}_1\gamma_\mu T^Aq_2) & (ar{d}_2\gamma^\mu T^Ad_3) \end{pmatrix}$	Č
qd8_1231	$egin{array}{l} (ar{q}_1\gamma_\mu T^Aq_2) & (ar{d}_3\gamma^\mu T^Ad_1) \ \end{pmatrix}$	$\overset{\circ}{\mathrm{C}}$
qd8_1232	$(q_1)^{\mu_1} q_2 (\overline{a_3})^{\mu_1} T^A (\overline{q_1})^{\mu_1} (\overline{q_1})^{\mu_1} T^A (\overline{q_2})^{\mu_2} (\overline{a_3})^{\mu_1} T^A (\overline{q_2})$	$\stackrel{\circ}{\mathrm{C}}$
qd8_1233	$(q_1)_{\mu}^{\mu} q_2 (q_3) (q_3) (q_1)_{\mu} T^A q_2 (q_3) (q_3)_{\mu} T^A q_3 $	C
=	$egin{pmatrix} (q_1)_\mu T^\mu q_2 \end{pmatrix} egin{pmatrix} (a_3)_\Gamma T^\mu a_3 \end{pmatrix} \ ig(ar{q}_1 \gamma_\mu T^A q_3) ig(ar{d}_1 \gamma^\mu T^A d_1) \end{pmatrix}$	C
qd8_1311	$(q_1\gamma_\mu 1 q_3) (a_1\gamma^\mu 1 a_1)$ $(\bar{a}_1\alpha^\mu T^A a_1) (\bar{b}_1\alpha^\mu T^A a_1)$	C
qd8_1312	$\left(\bar{q}_1\gamma_\mu T^Aq_3\right)\left(\bar{d}_1\gamma^\mu T^Ad_2\right)$	C
qd8_1313	$(\bar{q}_1 \gamma_\mu T^A q_3) (\bar{d}_1 \gamma^\mu T^A d_3)$	C
qd8_1321	$\left(ar{q}_1 \gamma_\mu T^A q_3 \right) \left(ar{d}_2 \gamma^\mu T^A d_1 \right) $	
qd8_1322	$(\bar{q}_1\gamma_{\mu}T^Aq_3)(\bar{d}_2\gamma^{\mu}T^Ad_2)$	C
qd8_1323	$(\bar{q}_1\gamma_\mu T^A q_3) (\bar{d}_2\gamma^\mu T^A d_3)$	C
qd8_1331	$\left(\bar{q}_1\gamma_{\mu}T^Aq_3\right)\left(\bar{d}_3\gamma^{\mu}T^Ad_1\right)$	C
qd8_1332	$\left(\bar{q}_1\gamma_\mu T^Aq_3\right)\left(\bar{d}_3\gamma^\mu T^Ad_2\right)$	C
qd8_1333	$\left(ar{q}_1\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$

WC name	Operator	Type
qd8_2211	$\left(ar{q}_2\gamma_\mu T^A q_2\right)\left(ar{d}_1\gamma^\mu T^A d_1\right)$	R
qd8_2212	$egin{pmatrix} ar{q}_2\gamma_\mu T^Aq_2 ig) ig(ar{d}_1\gamma^\mu T^Ad_2 ig) \end{pmatrix}$	\mathbf{C}
qd8_2213	$\left\langle ar{q}_2\gamma_{\mu}T^Aq_2 ight angle \left\langle ar{d}_1\gamma^{\mu}T^Ad_3 ight angle$	$^{\mathrm{C}}$
qd8_2222	$(ar{q}_2\gamma_\mu T^Aq_2) (ar{d}_2\gamma^\mu T^Ad_2)$	${ m R}$
qd8_2223	$(\bar{q}_2\gamma_\mu T^Aq_2)(\bar{d}_2\gamma^\mu T^Ad_3)$	$^{\mathrm{C}}$
qd8_2233	$\left\langle ar{q}_{2}\gamma_{\mu}T^{A}q_{2} ight angle \left\langle ar{d}_{3}\gamma^{\mu}T^{A}d_{3} ight angle$	${ m R}$
qd8_2311	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{d}_1\gamma^\mu T^Ad_1 ight)$	\mathbf{C}
qd8_2312	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{d}_1\gamma^\mu T^Ad_2 ight)$	\mathbf{C}
qd8_2313	$\left(ar{q}_2\gamma_\mu T^Aq_3\right)\left(ar{d}_1\gamma^\mu T^Ad_3\right)$	\mathbf{C}
qd8_2321	$(\bar{q}_2\gamma_\mu T^Aq_3)(\bar{d}_2\gamma^\mu T^Ad_1)$	\mathbf{C}
qd8_2322	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{d}_2\gamma^\mu T^Ad_2 ight)$	$^{\mathrm{C}}$
qd8_2323	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
qd8_2331	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_1 ight)$	$^{\mathrm{C}}$
qd8_2332	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_2 ight)$	\mathbf{C}
qd8_2333	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
qd8_3311	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_1 ight)$	${ m R}$
qd8_3312	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_2 ight)$	$^{\mathrm{C}}$
qd8_3313	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_3 ight)$	\mathbf{C}
qd8_3322	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_2 ight)$	R
qd8_3323	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
qd8_3333	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	R
ledq_1111	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_1q_1 ight)$	\mathbf{C}
ledq_1112	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_1q_2 ight)$	$^{\mathrm{C}}$
ledq_1113	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_1q_3 ight)$	$^{\mathrm{C}}$
ledq_1121	$\left(ar{\ell}_1 e_1 ight)\left(ar{d}_2 q_1 ight)$	$^{\mathrm{C}}$
ledq_1122	$\left(ar{\ell}_1 e_1 ight) \left(ar{d}_2 q_2 ight)$	$^{\mathrm{C}}$
ledq_1123	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_2q_3 ight)$	$^{\mathrm{C}}$
ledq_1131	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_3q_1 ight)$	$^{\mathrm{C}}$
ledq_1132	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_3q_2 ight)$	$^{\mathrm{C}}$
ledq_1133	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_3q_3 ight)$	C
ledq_1211	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_1q_1 ight)$	$^{\mathrm{C}}$
ledq_1212	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_1q_2 ight)$	$^{\mathrm{C}}$
ledq_1213	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_1q_3 ight)$	$^{\mathrm{C}}$
ledq_1221	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_2q_1 ight)$	$^{\mathrm{C}}$
ledq_1222	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_2q_2 ight)$	$^{\mathrm{C}}$
ledq_1223	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_2q_3 ight)$	C
ledq_1231	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_3q_1 ight)$	$^{\mathrm{C}}$
ledq_1232	$\left(ar{\ell}_1 e_2 ight) \left(ar{d}_3 q_2 ight)$	C
ledq_1233	$\left(ar{\ell}_1 e_2 ight) \left(ar{d}_3 q_3 ight)$	C
ledq_1311	$ig(ar{\ell}_1e_3ig)ig(ar{d}_1q_1ig)$	C
ledq_1312	$\left(ar{\ell}_1 e_3 ight)\left(ar{d}_1 q_2 ight)$	$\stackrel{ ext{C}}{\sim}$
ledq_1313	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_1q_3 ight)$	$^{\mathrm{C}}$

WC name	Operator	Type
ledq_1321	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_2q_1 ight)$	С
ledq_1322	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_2q_2 ight)$	\mathbf{C}
ledq_1323	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_2q_3 ight)$	\mathbf{C}
ledq_1331	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_3q_1 ight)$	\mathbf{C}
ledq_1332	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_3q_2 ight)$	\mathbf{C}
ledq_1333	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_3q_3 ight)$	\mathbf{C}
ledq_2111	$\left(ar{\ell}_{2}e_{1} ight)\left(ar{d}_{1}q_{1} ight)$	\mathbf{C}
ledq_2112	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_1 q_2 ight)$	\mathbf{C}
ledq_2113	$\left(ar{\ell}_{2}e_{1} ight)\left(ar{d}_{1}q_{3} ight)$	\mathbf{C}
ledq_2121	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_2 q_1 ight)$	\mathbf{C}
ledq_2122	$\left(ar{\ell}_{2}e_{1} ight)\left(ar{d}_{2}q_{2} ight)$	\mathbf{C}
ledq_2123	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_2 q_3 ight)$	\mathbf{C}
ledq_2131	$\left(ar{\ell}_{2}e_{1} ight)\left(ar{d}_{3}q_{1} ight)$	\mathbf{C}
ledq_2132	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_3 q_2 ight)$	\mathbf{C}
ledq_2133	$\left(ar{\ell}_{2}e_{1} ight)\left(ar{d}_{3}q_{3} ight)$	\mathbf{C}
ledq_2211	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_1 q_1 ight)$	\mathbf{C}
ledq_2212	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_1 q_2 ight)$	\mathbf{C}
ledq_2213	$\left(\ell_{2}e_{2} ight)\left(d_{1}q_{3} ight)$	\mathbf{C}
ledq_2221	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_2 q_1 ight)$	\mathbf{C}
ledq_2222	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_2 q_2 ight)$	\mathbf{C}
ledq_2223	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_2 q_3 ight)$	\mathbf{C}
ledq_2231	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_3 q_1 ight)$	\mathbf{C}
ledq_2232	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_3 q_2 ight)$	\mathbf{C}
ledq_2233	$\left(\underline{\ell}_{2}e_{2}\right)\left(\underline{d}_{3}q_{3}\right)$	\mathbf{C}
ledq_2311	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_1 q_1 ight)$	\mathbf{C}
ledq_2312	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_1 q_2 ight)$	\mathbf{C}
ledq_2313	$\left(\underline{\ell}_{2}e_{3} ight) \left(\underline{d}_{1}q_{3} ight)$	\mathbf{C}
ledq_2321	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_2 q_1 ight)$	\mathbf{C}
ledq_2322	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_2 q_2 ight)$	\mathbf{C}
ledq_2323	$\left(\ell_{2}e_{3} ight) \left(d_{2}q_{3} ight)$	\mathbf{C}
ledq_2331	$\left(\ell_{2}e_{3} ight) \left(d_{3}q_{1} ight)$	\mathbf{C}
ledq_2332	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_3 q_2 ight)$	\mathbf{C}
ledq_2333	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_3 q_3 ight)$	\mathbf{C}
ledq_3111	$\left(ar{\ell}_3e_1 ight)\left(ar{d}_1q_1 ight)$	\mathbf{C}
ledq_3112	$\left(\ell_3 e_1\right) \left(d_1 q_2\right)$	\mathbf{C}
ledq_3113	$\left(ar{\ell}_3 e_1 ight)\left(ar{d}_1 q_3 ight)$	\mathbf{C}
ledq_3121	$\left(ar{\ell}_3e_1 ight)\left(ar{d}_2q_1 ight)$	\mathbf{C}
ledq_3122	$\left(ar{\ell}_{3}e_{1} ight)\left(ar{d}_{2}q_{2} ight)$	\mathbf{C}
ledq_3123	$ig(ar{ar{\ell}}_3 e_1ig) ig(ar{ar{d}}_2 q_3ig)$	C
ledq_3131	$\left(ar{\ell}_3 e_1 ight)\left(ar{d}_3 q_1 ight)$	\mathbf{C}
ledq_3132	$\left(ar{\ell}_3e_1 ight)\left(ar{d}_3q_2 ight)$	\mathbf{C}
ledq_3133	$\left(ar{\ell}_3e_1 ight)\left(ar{d}_3q_3 ight)$	\mathbf{C}

WC name	Operator	Type
ledq_3211	$\left(ar{\ell}_{3}e_{2} ight)\left(ar{d}_{1}q_{1} ight)$	C
ledq_3212	$(ar{\ell}_3 e_2) (ar{d}_1 q_2)$	C
ledq_3213	$egin{pmatrix} ar{(ar{\ell}_3}e_2ig) & ar{(ar{d}_1}q_3ig) \end{pmatrix}$	C
ledq_3221	$(ar{\ell}_3 e_2) (ar{d}_2 q_1)$	C
ledq_3222	$(ar{\ell}_3 e_2) (ar{d}_2 q_2)$	$^{\mathrm{C}}$
ledq_3223	$(ar{\ell}_3 e_2) (ar{d}_2 q_3)$	$\dot{\mathrm{C}}$
ledq_3231	$(ar{\ell}_3 e_2) (ar{d}_3 q_1)$	$\dot{\mathrm{C}}$
ledq_3232	$(ar{\ell}_3 e_2) (ar{d}_3 q_2)$	$\dot{\mathrm{C}}$
ledq_3233	$(ar{\ell}_3 e_2) (ar{d}_3 q_3)$	$^{\mathrm{C}}$
ledq_3311	$(ar{\ell}_3 e_3) (ar{d}_1 q_1)$	$\dot{\mathrm{C}}$
ledq_3312	$(ar{\ell}_3 e_3) (ar{d}_1 q_2)$	$\dot{\mathrm{C}}$
ledq_3313	$(ar{\ell}_3 e_3) (ar{d}_1 q_3)$	$^{\mathrm{c}}$
ledq_3321	$(ar{\ell}_3 e_3) (ar{d}_2 q_1)$	$^{ m C}$
ledq_3322	$(ar{\ell}_3 e_3) (ar{d}_2 q_2)$	C
ledq_3323	$(ar{\ell}_3 e_3) (ar{d}_2 q_3)$	C
ledq_3331	$egin{pmatrix} ar{(ar{\ell}_3e_3)} & ar{(ar{d}_3q_1)} \end{pmatrix}$	\mathbf{C}
ledq_3332	$(ar{\ell}_3 e_3) \ (ar{d}_3 q_2)$	\mathbf{C}
ledq_3333	$egin{pmatrix} \langle ar{\ell}_3 e_3 angle \ \langle ar{d}_3 q_3 angle \end{pmatrix}$	\mathbf{C}
quqd1_1111	$(\bar{q}_1u_1)\epsilon_{jk}(\bar{q}_1d_1)$	\mathbf{C}
quqd1_1112	$(ar{q}_1u_1)\epsilon_{jk}(ar{q}_1d_2)$	\mathbf{C}
quqd1_1113	$(\bar{q}_1u_1)\epsilon_{jk}(\bar{q}_1d_3)$	$^{\mathrm{C}}$
quqd1_1121	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_1122	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	C
quqd1_1123	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	\mathbf{C}
quqd1_1131	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	\mathbf{C}
quqd1_1132	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	\mathbf{C}
quqd1_1133	$\left(ar{q}_1 u_1 ight) \epsilon_{jk} \left(ar{q}_3 d_3 ight)$	$^{\mathrm{C}}$
quqd1_1211	$(\bar{q}_1u_2)\epsilon_{jk}(\bar{q}_1d_1)$	C
quqd1_1212	$(\bar{q}_1u_2)\epsilon_{jk}(\bar{q}_1d_2)$	C
quqd1_1213	$(ar{q}_1u_2)\epsilon_{jk}(ar{q}_1d_3)$	C
quqd1_1221	$(ar{q}_1u_2)\epsilon_{jk}(ar{q}_2d_1)$	C
quqd1_1222	$(\bar{q}_1u_2)\epsilon_{jk}(\bar{q}_2d_2)$	С
quqd1_1223	$(\bar{q}_1u_2)\epsilon_{jk}(\bar{q}_2d_3)$	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 C
quqd1_1233 quqd1_1311	$(\bar{q}_1 u_2) \epsilon_{jk} (\bar{q}_3 d_3)$	C
quqd1_1311 quqd1_1312	$ \begin{array}{l} \left(\bar{q}_1 u_3\right) \epsilon_{jk} \left(\bar{q}_1 d_1\right) \\ \left(\bar{q}_1 u_3\right) \epsilon_{jk} \left(\bar{q}_1 d_2\right) \end{array} $	C
quqd1_1313	$(q_1u_3)\epsilon_{jk}(q_1u_2) \ (\bar{q}_1u_3)\epsilon_{jk}(\bar{q}_1d_3)$	C
quqd1_1321	$(q_1u_3)\epsilon_{jk}(q_1u_3) \ (ar{q}_1u_3)\epsilon_{jk}(ar{q}_2d_1)$	C
quqd1_1322	$\left(ar{q}_1u_3 ight)\epsilon_{jk}\left(ar{q}_2u_1 ight) \ \left(ar{q}_1u_3 ight)\epsilon_{jk}\left(ar{q}_2d_2 ight)$	C
quqd1_1323	$(q_1u_3) \epsilon_{jk} (q_2u_2) \ (\bar{q}_1u_3) \epsilon_{jk} (\bar{q}_2d_3)$	$\overset{\circ}{\mathrm{C}}$
quqd1_1331	$(\bar{q}_1u_3)\epsilon_{jk}(\bar{q}_2u_3) \ (\bar{q}_1u_3)\epsilon_{jk}(\bar{q}_3d_1)$	$\overset{\circ}{ ext{C}}$
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WC name	Operator	Type
quqd1_1332	$(\bar{q}_1 u_3) \epsilon_{jk} (\bar{q}_3 d_2)$	C
quqd1_1333	$\left(ar{q}_{1}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2111	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2112	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2113	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_2121	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	C
quqd1_2122	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	C
quqd1_2123	$(ar{q}_2 u_1) \epsilon_{jk} (ar{q}_2 d_3)$	C
quqd1_2131	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_1)$	$^{\mathrm{C}}$
quqd1_2132	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_2)$	$^{\mathrm{C}}$
quqd1_2133	$(\bar{q}_2 u_1) \epsilon_{jk} (\bar{q}_3 d_3)$	$^{\mathrm{C}}$
quqd1_2211	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_1)$	$^{\mathrm{C}}$
quqd1_2212	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_2)$	$^{\mathrm{C}}$
quqd1_2213	$(\bar{q}_2 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_2221	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	C
quqd1_2222	$(ar{q}_2u_2)\epsilon_{jk}(ar{q}_2d_2)$	C
quqd1_2223	$(ar{q}_2u_2)\epsilon_{jk}(ar{q}_2d_3)$	C
quqd1_2231	$(ar{q}_2u_2)\epsilon_{jk}(ar{q}_3d_1)$	$^{\mathrm{C}}$
quqd1_2232	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2233	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}d_{3} ight)$	\mathbf{C}
quqd1_2311	$(ar{q}_2u_3)\epsilon_{jk}(ar{q}_1d_1)$	\mathbf{C}
quqd1_2312	$(ar{q}_2 u_3) \epsilon_{jk} (ar{q}_1 d_2)$	\mathbf{C}
quqd1_2313	$(ar{q}_2 u_3) \epsilon_{jk} (ar{q}_1 d_3)$	\mathbf{C}
quqd1_2321	$(ar{q}_2u_3)\epsilon_{jk}(ar{q}_2d_1)$	\mathbf{C}
quqd1_2322	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2323	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2331	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2332	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2333	$(ar{q}_2u_3)\epsilon_{jk}(ar{q}_3d_3)$	\mathbf{C}
quqd1_3111	$(ar{q}_3 u_1) \epsilon_{jk} (ar{q}_1 d_1)$	$^{\mathrm{C}}$
quqd1_3112	$(\bar{q}_3 u_1) \epsilon_{jk} (\bar{q}_1 d_2)$	\mathbf{C}
quqd1_3113	$(\bar{q}_3u_1)\epsilon_{jk}(\bar{q}_1d_3)$	\mathbf{C}
quqd1_3121	$(ar{q}_3u_1)\epsilon_{jk}(ar{q}_2d_1)$	\mathbf{C}
quqd1_3122	$(ar{q}_3u_1)\epsilon_{jk}(ar{q}_2d_2)$	\mathbf{C}
quqd1_3123	$(ar{q}_3u_1)\epsilon_{jk}(ar{q}_2d_3)$	\mathbf{C}
quqd1_3131	$(ar{q}_3u_1)\epsilon_{jk}(ar{q}_3d_1)$	\mathbf{C}
quqd1_3132	$(ar{q}_3u_1)\epsilon_{jk}(ar{q}_3d_2)$	\mathbf{C}
quqd1_3133	$(ar{q}_3u_1)\epsilon_{jk}(ar{q}_3d_3)$	\mathbf{C}
quqd1_3211	$(ar{q}_3u_2)\epsilon_{jk}(ar{q}_1d_1)$	\mathbf{C}
quqd1_3212	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_2)$	\mathbf{C}
quqd1_3213	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	\mathbf{C}
quqd1_3221	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_2 d_1)$	\mathbf{C}
quqd1_3222	$(\bar{q}_3u_2)\epsilon_{jk}(\bar{q}_2d_2)$	$^{\mathrm{C}}$
quqd1_3223	$(\bar{q}_3u_2)\epsilon_{jk}(\bar{q}_2d_3)$	Č
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WC name	Operator	Type
quqd1_3231	$\left(\bar{q}_{3}u_{2}\right)\epsilon_{jk}\left(\bar{q}_{3}d_{1}\right)$	C
quqd1_3232	$(ar{q}_3u_2)\epsilon_{jk}(ar{q}_3d_2)$	$^{\mathrm{C}}$
quqd1_3233	$\left(ar{q}_{3}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_3311	$(ar{q}_3u_3)\epsilon_{jk}(ar{q}_1d_1)$	$^{\mathrm{C}}$
quqd1_3312	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{1}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_3313	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{1}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_3321	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	C
quqd1_3322	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	C
quqd1_3323	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	C
quqd1_3331	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	C
quqd1_3332	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	C
quqd1_3333	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{3} ight)$	C
quqd8_1111	$\left(ar{q}_1 T^A u_1 ight) \epsilon_{jk} \left(ar{q}_1 T^A d_1 ight)$	$^{\mathrm{C}}$
quqd8_1112	$\left(ar{q}_1 T^A u_1 ight) \epsilon_{jk} \left(ar{q}_1 T^A d_2 ight)$	$^{\mathrm{C}}$
quqd8_1113	$\left(ar{q}_1 T^A u_1\right) \epsilon_{jk} \left(ar{q}_1 T^A d_3\right)$	$^{\mathrm{C}}$
quqd8_1121	$\left\langle ar{q}_{1}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{2}T^{A}d_{1} ight angle$	C
quqd8_1122	$\left\langle ar{q}_1 T^A u_1 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_2 ight angle$	C
quqd8_1123	$\left\langle ar{q}_{1}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{2}T^{A}d_{3} ight angle$	C
quqd8_1131	$\left\langle ar{q}_1 T^A u_1 \right angle \epsilon_{jk} \left\langle ar{q}_3 T^A d_1 \right angle$	$^{\mathrm{C}}$
quqd8_1132	$(\bar{q}_1 T^A u_1) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	$^{\mathrm{C}}$
quqd8_1133	$\left\langle ar{q}_{1}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{3}T^{A}d_{3} ight angle$	$^{\mathrm{C}}$
quqd8_1211	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	$^{\mathrm{C}}$
quqd8_1212	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	$^{\mathrm{C}}$
quqd8_1213	$\left\langle ar{q}_1 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_1 T^A d_3 ight angle$	$^{\mathrm{C}}$
quqd8_1221	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	$^{\mathrm{C}}$
quqd8_1222	$\left(ar{q}_1 T^A u_2\right) \epsilon_{jk} \left(ar{q}_2 T^A d_2\right)$	$^{\mathrm{C}}$
quqd8_1223	$\left(ar{q}_1 T^A u_2\right) \epsilon_{jk} \left(ar{q}_2 T^A d_3\right)$	$^{\mathrm{C}}$
quqd8_1231	$\left(ar{q}_1 T^A u_2\right) \epsilon_{jk} \left(ar{q}_3 T^A d_1\right)$	$^{\mathrm{C}}$
quqd8_1232	$(\bar{q}_1 T^A u_2) \epsilon_{jk} (\bar{q}_3 T^A d_2)$	$^{\mathrm{C}}$
quqd8_1233	$\left(ar{q}_1 T^A u_2 \right) \epsilon_{jk} \left(ar{q}_3 T^A d_3 \right)$	$^{\mathrm{C}}$
quqd8_1311	$\left(ar{q}_1 T^A u_3 \right) \epsilon_{jk} \left(ar{q}_1 T^A d_1 \right)$	$^{\mathrm{C}}$
quqd8_1312	$\left\langle ar{q}_{1}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{2} ight angle$	\mathbf{C}
quqd8_1313	$\left(ar{q}_1 T^A u_3 \right) \epsilon_{ik} \left(ar{q}_1 T^A d_3 \right)$	\mathbf{C}
quqd8_1321	$\left(ar{q}_1 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_1\right)$	\mathbf{C}
quqd8_1322	$\left(ar{q}_1 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_2\right)$	\mathbf{C}
quqd8_1323	$\left\langle ar{q}_1 T^A u_3 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_3 \right angle$	\mathbf{C}
quqd8_1331	$\left\langle ar{q}_{1}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{3}T^{A}d_{1} ight angle$	\mathbf{C}
quqd8_1332	$\left\langle ar{q}_1 T^A u_3 \right angle \epsilon_{jk} \left\langle ar{q}_3 T^A d_2 ight angle$	\mathbf{C}
quqd8_1333	$\left\langle ar{q}_{1}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{3}T^{A}d_{3} ight angle$	\mathbf{C}
quqd8_2111	$\left\langle ar{q}_{2}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{1} ight angle$	\mathbf{C}
quqd8_2112	$\left\langle ar{q}_{2}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{2} ight angle$	\mathbf{C}
quqd8_2113	$\left\langle ar{q}_{2}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{3} ight angle$	\mathbf{C}
quqd8_2121	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_1)$	\mathbf{C}
quqd8_2122	$\left(\bar{q}_2 T^A u_1\right) \epsilon_{jk} \left(\bar{q}_2 T^A d_2\right)$	\mathbf{C}
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WC name	Operator	Type
quqd8_2123	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	С
quqd8_2131	$\left\langle ar{q}_2 T^A u_1 \right\rangle \epsilon_{jk} \left\langle ar{q}_3 T^A d_1 \right\rangle$	\mathbf{C}
quqd8_2132	$\left\langle ar{q}_2 T^A u_1 \right\rangle \epsilon_{jk} \left\langle ar{q}_3 T^A d_2 \right\rangle$	\mathbf{C}
quqd8_2133	$\left\langle \bar{q}_{2}T^{A}u_{1}\right angle \epsilon_{jk}\left\langle \bar{q}_{3}T^{A}d_{3} ight angle$	\mathbf{C}
quqd8_2211	$\left(ar{q}_2 T^A u_2\right) \epsilon_{jk} \left(ar{q}_1 T^A d_1\right)$	\mathbf{C}
quqd8_2212	$\left(ar{q}_2 T^A u_2\right) \epsilon_{jk} \left(ar{q}_1 T^A d_2\right)$	\mathbf{C}
quqd8_2213	$\left(\bar{q}_{2}T^{A}u_{2}\right)\epsilon_{jk}\left(\bar{q}_{1}T^{A}d_{3}\right)$	\mathbf{C}
quqd8_2221	$\left\langle ar{q}_2 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_1 ight angle$	\mathbf{C}
quqd8_2222	$\left\langle ar{q}_2 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_2 ight angle$	\mathbf{C}
quqd8_2223	$\left\langle ar{q}_2 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_3 \right angle$	\mathbf{C}
quqd8_2231	$\left\langle ar{q}_2 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_3 T^A d_1 \right angle$	\mathbf{C}
quqd8_2232	$\left(ar{q}_2 T^A u_2\right) \epsilon_{jk} \left(ar{q}_3 T^A d_2\right)$	\mathbf{C}
quqd8_2233	$\left(ar{q}_2 T^A u_2\right) \epsilon_{jk} \left(ar{q}_3 T^A d_3\right)$	\mathbf{C}
quqd8_2311	$\left\langle ar{q}_{2}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{1} ight angle$	\mathbf{C}
quqd8_2312	$\left\langle ar{q}_{2}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{2} ight angle$	\mathbf{C}
quqd8_2313	$\left(ar{q}_2 T^A u_3\right) \epsilon_{jk} \left(ar{q}_1 T^A d_3\right)$	\mathbf{C}
quqd8_2321	$\left(ar{q}_2 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_1\right)$	\mathbf{C}
quqd8_2322	$\left(ar{q}_2 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_2\right)$	\mathbf{C}
quqd8_2323	$\left(ar{q}_2 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_3\right)$	\mathbf{C}
quqd8_2331	$\left(ar{q}_2 T^A u_3\right) \epsilon_{jk} \left(ar{q}_3 T^A d_1\right)$	\mathbf{C}
quqd8_2332	$\left(\bar{q}_2 T^A u_3\right) \epsilon_{jk} \left(\bar{q}_3 T^A d_2\right)$	\mathbf{C}
quqd8_2333	$\left(ar{q}_2 T^A u_3\right) \epsilon_{jk} \left(ar{q}_3 T^A d_3\right)$	\mathbf{C}
quqd8_3111	$\left(ar{q}_3 T^A u_1 ight)\epsilon_{jk}\left(ar{q}_1 T^A d_1 ight)$	$^{\mathrm{C}}$
quqd8_3112	$\left(ar{q}_{3}T^{A}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}T^{A}d_{2} ight)$	\mathbf{C}
quqd8_3113	$\left(ar{q}_3 T^A u_1\right) \epsilon_{jk} \left(ar{q}_1 T^A d_3\right)$	\mathbf{C}
quqd8_3121	$\left(ar{q}_3 T^A u_1 ight) \epsilon_{jk} \left(ar{q}_2 T^A d_1 ight)$	\mathbf{C}
quqd8_3122	$\left(ar{q}_3 T^A u_1 ight) \epsilon_{jk} \left(ar{q}_2 T^A d_2 ight)$	\mathbf{C}
quqd8_3123	$\left(ar{q}_{3}T^{A}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}T^{A}d_{3} ight)$	$^{\mathrm{C}}$
quqd8_3131	$\left(ar{q}_3 T^A u_1\right) \epsilon_{jk} \left(ar{q}_3 T^A d_1\right)$	$^{\mathrm{C}}$
quqd8_3132	$\left(ar{q}_3 T^A u_1\right) \epsilon_{jk} \left(ar{q}_3 T^A d_2\right)$	$^{\mathrm{C}}$
quqd8_3133	$\left(ar{q}_3 T^A u_1\right) \epsilon_{jk} \left(ar{q}_3 T^A d_3\right)$	\mathbf{C}
quqd8_3211	$\left(ar{q}_3 T^A u_2\right) \epsilon_{jk} \left(ar{q}_1 T^A d_1\right)$	$^{\mathrm{C}}$
quqd8_3212	$\left(ar{q}_3 T^A u_2\right) \epsilon_{jk} \left(ar{q}_1 T^A d_2\right)$	\mathbf{C}
quqd8_3213	$\left(ar{q}_3 T^A u_2\right) \epsilon_{jk} \left(ar{q}_1 T^A d_3\right)$	\mathbf{C}
quqd8_3221	$\left(ar{q}_{3}T^{A}u_{2} ight)\epsilon_{jk}\left(ar{q}_{2}T^{A}d_{1} ight)$	$^{\mathrm{C}}$
quqd8_3222	$\left(\bar{q}_3 T^A u_2\right) \epsilon_{jk} \left(\bar{q}_2 T^A d_2\right)$	\mathbf{C}
quqd8_3223	$\left(\bar{q}_3 T^A u_2\right) \epsilon_{jk} \left(\bar{q}_2 T^A d_3\right)$	\mathbf{C}
quqd8_3231	$\left(ar{q}_{3}T^{A}u_{2} ight) \epsilon_{jk}\left(ar{q}_{3}T^{A}d_{1} ight)$	\mathbf{C}
quqd8_3232	$\left(ar{q}_{3}T^{A}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}T^{A}d_{2} ight)$	\mathbf{C}
quqd8_3233	$\left(ar{q}_{3}T^{A}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}T^{A}d_{3} ight)$	\mathbf{C}
quqd8_3311	$\left(ar{q}_{3}T^{A}u_{3} ight)\epsilon_{jk}\left(ar{q}_{1}T^{A}d_{1} ight)$	\mathbf{C}
quqd8_3312	$\left(ar{q}_{3}T^{A}u_{3} ight)\epsilon_{jk}\left(ar{q}_{1}T^{A}d_{2} ight)$	\mathbf{C}
quqd8_3313	$\left(ar{q}_{3}T^{A}u_{3} ight) \epsilon_{jk}\left(ar{q}_{1}T^{A}d_{3} ight)$	C
quqd8_3321	$\left(ar{q}_{3}T^{A}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}T^{A}d_{1} ight)$	\mathbf{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	$\left\langle ar{q}_{3}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{2}T^{A}d_{3} ight angle$	$^{\mathrm{C}}$
quqd8_3331	$\left\langle ar{q}_{3}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{3}T^{A}d_{1} ight angle$	$^{\mathrm{C}}$
quqd8_3332	$\left(ar{q}_3 T^A u_3\right) \epsilon_{jk} \left(ar{q}_3 T^A d_2\right)$	$^{\mathrm{C}}$
quqd8_3333	$\left(ar{q}_3 T^A u_3 ight) \epsilon_{jk} \left(ar{q}_3 T^A d_3 ight)$	$^{\mathrm{C}}$
lequ1_1111	$\left(\underline{\ell}_{1}e_{1}\right) \epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1112	$\left(\ell_{1}e_{1}\right) \epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1113	$\left(\ell_{1}e_{1}\right) \epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1121	$\left(\ell_{1}e_{1}\right) \epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1122	$\left(\ell_{1}e_{1}\right) \epsilon_{jk}\left(ar{q}_{2}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1123	$\left(\ell_{1}e_{1}\right) \epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1131	$\left(\ell_{1}e_{1}\right) \epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1132	$\left(\underline{\ell}_{1}e_{1}\right)\epsilon_{jk}\left(ar{q}_{3}u_{2}\right)$	$^{\mathrm{C}}$
lequ1_1133	$\left(\ell_{1}e_{1}\right) \epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1211	$\left(\underline{\ell}_{1}e_{2}\right) \epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1212	$\left(\ell_{1}e_{2}\right) \epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1213	$\left(\ell_{1}e_{2}\right) \epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1221	$\left(\underline{\ell}_1 e_2\right) \epsilon_{jk} \left(\overline{q}_2 u_1\right)$	$^{\mathrm{C}}$
lequ1_1222	$\left(\ell_{1}e_{2}\right)\epsilon_{jk}\left(ar{q}_{2}u_{2}\right)$	$^{\mathrm{C}}$
lequ1_1223	$\left(\ell_{1}e_{2}\right)\epsilon_{jk}\left(ar{q}_{2}u_{3}\right)$	$^{\mathrm{C}}$
lequ1_1231	$\left(\ell_{1}e_{2}\right)\epsilon_{jk}\left(ar{q}_{3}u_{1}\right)$	$^{\mathrm{C}}$
lequ1_1232	$\left(\underline{\ell}_{1}e_{2}\right)\epsilon_{jk}\left(ar{q}_{3}u_{2}\right)$	$^{\mathrm{C}}$
lequ1_1233	$\left(\ell_{1}e_{2}\right) \epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1311	$\left(\ell_{1}e_{3}\right) \epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1312	$\left(\ell_{1}e_{3} ight) \epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1313	$\left(\ell_{1}e_{3} ight) \epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1321	$\left(\ell_{1}e_{3}\right) \epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1322	$\left(\ell_{1}e_{3}\right)\epsilon_{jk}\left(ar{q}_{2}u_{2}\right)$	$^{\mathrm{C}}$
lequ1_1323	$\left(\underline{\ell}_{1}e_{3}\right)\epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1331	$\left(\ell_{1}e_{3}\right) \epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1332	$\left(\ell_{1}e_{3} ight) \epsilon_{jk}\left(ar{q}_{3}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1333	$\left(\ell_{1}e_{3}\right)\epsilon_{jk}\left(ar{q}_{3}u_{3}\right)$	$^{\mathrm{C}}$
lequ1_2111	$\left(\ell_{2}e_{1}\right)\epsilon_{jk}\left(ar{q}_{1}u_{1}\right)$	$^{\mathrm{C}}$
lequ1_2112	$\left(\underline{\ell}_{2}e_{1}\right)\epsilon_{jk}\left(ar{q}_{1}u_{2}\right)$	$^{\mathrm{C}}$
lequ1_2113	$\left(\underline{\ell}_{2}e_{1}\right)\epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	С
lequ1_2121	$\left(\underline{\ell}_{2}e_{1} ight) \epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	\mathbf{C}
lequ1_2122	$\left(\underline{\ell}_{2}e_{1}\right)\epsilon_{jk}\left(ar{q}_{2}u_{2}\right)$	$^{\mathrm{C}}$
lequ1_2123	$\left(\underline{\ell}_{2}e_{1} ight) \epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_2131	$\left(\ell_{2}e_{1} ight) \epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_2132	$\left(\ell_{2}e_{1} ight) \epsilon_{jk}\left(ar{q}_{3}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_2133	$\left(ar{\ell}_2 e_1 ight)\epsilon_{jk}\left(ar{q}_3 u_3 ight)$	$^{\mathrm{C}}$
lequ1_2211	$\left(\ell_2 e_2\right) \epsilon_{jk} \left(\bar{q}_1 u_1\right)$	\mathbf{C}

WC name	Operator	Type
lequ1_2212	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	С
lequ1_2213	$(ar{\ell}_2 e_2) \epsilon_{jk} (ar{q}_1 u_3)$	\mathbf{C}
lequ1_2221	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	\mathbf{C}
lequ1_2222	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{2}u_{2} ight)$	\mathbf{C}
lequ1_2223	$(ar{\ell}_2 e_2) \epsilon_{jk} (ar{q}_2 u_3)$	\mathbf{C}
lequ1_2231	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	\mathbf{C}
lequ1_2232	$(ar{\ell}_2 e_2) \epsilon_{jk} (ar{q}_3 u_2)$	\mathbf{C}
lequ1_2233	$(ar{\ell}_2 e_2) \epsilon_{jk} (ar{q}_3 u_3)$	\mathbf{C}
lequ1_2311	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	\mathbf{C}
lequ1_2312	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	\mathbf{C}
lequ1_2313	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	\mathbf{C}
lequ1_2321	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	\mathbf{C}
lequ1_2322	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{2} ight)$	\mathbf{C}
lequ1_2323	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	\mathbf{C}
lequ1_2331	$\left(ar{\ell}_2 e_3 ight)\epsilon_{jk}\left(ar{q}_3 u_1 ight)$	\mathbf{C}
lequ1_2332	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}u_{2} ight)$	\mathbf{C}
lequ1_2333	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	\mathbf{C}
lequ1_3111	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_1 u_1 ight)$	\mathbf{C}
lequ1_3112	$\left(ar{\ell}_{3}e_{1} ight)\epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	\mathbf{C}
lequ1_3113	$\left(ar{\ell}_{3}e_{1} ight)\epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	\mathbf{C}
lequ1_3121	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_2 u_1 ight)$	\mathbf{C}
lequ1_3122	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_2 u_2 ight)$	\mathbf{C}
lequ1_3123	$(ar{\ell}_3 e_1) \epsilon_{jk} (ar{q}_2 u_3)$	\mathbf{C}
lequ1_3131	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_3 u_1 ight)$	\mathbf{C}
lequ1_3132	$\left(ar{\ell}_3 e_1\right) \epsilon_{jk} \left(ar{q}_3 u_2 ight)$	\mathbf{C}
lequ1_3133	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_3 u_3 ight)$	\mathbf{C}
lequ1_3211	$(ar{\ell}_3 e_2) \epsilon_{jk} (ar{q}_1 u_1)$	\mathbf{C}
lequ1_3212	$\left(ar{\ell}_3 e_2\right) \epsilon_{jk} \left(ar{q}_1 u_2 ight)$	\mathbf{C}
lequ1_3213	$\left(ar{\ell}_3 e_2\right) \epsilon_{jk} \left(ar{q}_1 u_3 ight)$	\mathbf{C}
lequ1_3221	$(ar{\ell}_3 e_2)\epsilon_{jk}(ar{q}_2 u_1)$	\mathbf{C}
lequ1_3222	$(ar{\ell}_3 e_2) \epsilon_{jk} (ar{q}_2 u_2)$	\mathbf{C}
lequ1_3223	$\left(ar{\ell}_3 e_2\right) \epsilon_{jk} \left(ar{q}_2 u_3 ight)$	\mathbf{C}
lequ1_3231	$(ar{\ell}_3 e_2) \epsilon_{jk} (ar{q}_3 u_1)$	\mathbf{C}
lequ1_3232	$(ar{\ell}_3 e_2) \epsilon_{jk} (ar{q}_3 u_2)$	\mathbf{C}
lequ1_3233	$(ar{\ell}_3 e_2) \epsilon_{jk} (ar{q}_3 u_3)$	\mathbf{C}
lequ1_3311	$\left(ar{\ell}_3e_3 ight)\epsilon_{jk}\left(ar{q}_1u_1 ight)$	\mathbf{C}
lequ1_3312	$(ar{\ell}_3 e_3) \epsilon_{jk} (ar{q}_1 u_2)$	\mathbf{C}
lequ1_3313	$\left(ar{\ell}_{3}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	\mathbf{C}
lequ1_3321	$\left(ar{\ell}_3e_3 ight)\epsilon_{jk}\left(ar{q}_2u_1 ight)$	\mathbf{C}
lequ1_3322	$(ar{\ell}_3 e_3) \epsilon_{jk} (ar{q}_2 u_2)$	\mathbf{C}
lequ1_3323	$\left(ar{\ell}_3 e_3\right) \epsilon_{jk} \left(ar{q}_2 u_3\right)$	\mathbf{C}
lequ1_3331	$\left(ar{\ell}_3 e_3\right) \epsilon_{jk} \left(ar{q}_3 u_1 ight)$	\mathbf{C}

WC name	Operator	Type
lequ1_3332	$\left(ar{\ell}_{3}e_{3} ight) \epsilon_{jk}\left(ar{q}_{3}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_3333	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_3 u_3)$	$^{\mathrm{C}}$
lequ3_1111	$(\bar{\ell}_1 \sigma_{\mu\nu} e_1) \epsilon_{jk} (\bar{q}_1 \sigma^{\mu\nu} u_1)$	\mathbf{C}
lequ3_1112	$(\bar{\ell}_1 \sigma_{\mu\nu} e_1) \epsilon_{jk} (\bar{q}_1 \sigma^{\mu\nu} u_2)$	$^{\mathrm{C}}$
lequ3_1113	$\left(\bar{\ell}_1\sigma_{\mu\nu}e_1\right)\epsilon_{jk}\left(\bar{q}_1\sigma^{\mu\nu}u_3\right)$	\mathbf{C}
lequ3_1121	$(\bar{\ell}_1\sigma_{\mu\nu}e_1)\epsilon_{jk}(\bar{q}_2\sigma^{\mu\nu}u_1)$	$^{\mathrm{C}}$
lequ3_1122	$\left(\bar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(\bar{q}_2\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1123	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_1131	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{1} ight)\epsilon_{jk}\left(ar{q}_{3}\sigma^{\mu u}u_{1} ight)$	\mathbf{C}
lequ3_1132	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1133	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{1} ight)\epsilon_{jk}\left(ar{q}_{3}\sigma^{\mu u}u_{3} ight)$	\mathbf{C}
lequ3_1211	$\left\langle ar{\ell}_{1}\sigma_{\mu u}e_{2} ight angle \epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu u}u_{1} ight)$	\mathbf{C}
lequ3_1212	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{2} ight)\epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu u}u_{2} ight)$	\mathbf{C}
lequ3_1213	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_1221	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_1222	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1223	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_1231	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_1232	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_1233	$\left(\bar{\ell}_1\sigma_{\mu u}e_2\right)\epsilon_{jk}\left(\bar{q}_3\sigma^{\mu u}u_3\right)$	$^{\mathrm{C}}$
lequ3_1311	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	С
lequ3_1312	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_1313	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	С
lequ3_1321	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	С
lequ3_1322	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	С
lequ3_1323	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_1331	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_1332	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1333	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_2111	$\left(\underline{\ell}_{2}\sigma_{\mu\nu}e_{1}\right)\epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu\nu}u_{1} ight)$	$^{\mathrm{C}}$
lequ3_2112	$\left(\ell_2 \sigma_{\mu u} e_1\right) \epsilon_{jk} \left(ar{q}_1 \sigma^{\mu u} u_2\right)$	$^{\mathrm{C}}$
lequ3_2113	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_2121	$\left(\ell_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_2122	$\left(\ell_2 \sigma_{\mu u} e_1\right) \epsilon_{jk} \left(ar{q}_2 \sigma^{\mu u} u_2\right)$	\mathbf{C}
lequ3_2123	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_2131	$\left(\underline{\ell}_{2}\sigma_{\mu\nu}e_{1}\right)\epsilon_{jk}\left(\bar{q}_{3}\sigma^{\mu\nu}u_{1}\right)$	$^{\mathrm{C}}$
lequ3_2132	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_2133	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	C
lequ3_2211	$\left(ar{\ell}_2\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_2212	$\left(\ell_{2}\sigma_{\mu\nu}e_{2}\right)\epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu\nu}u_{2}\right)$	$^{\mathrm{C}}$
lequ3_2213	$\left(ar{\ell}_2\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_2221	$\left(ar{\ell}_2\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu\nu}u_1 ight)$	$^{\mathrm{C}}$

WC name	Operator	Type
lequ3_2222	$(\bar{\ell}_2 \sigma_{\mu\nu} e_2) \epsilon_{jk} (\bar{q}_2 \sigma^{\mu\nu} u_2)$	C
lequ3_2223	$\left(ar{\ell}_2\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_2231	$\left(ar{\ell}_2\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_2232	$\left(ar{\ell}_2\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_2233	$\left(ar{\ell}_2\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_2311	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_2312	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_2313	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_2321	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_2322	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_2323	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	С
lequ3_2331	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_2332	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	С
lequ3_2333	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	С
lequ3_3111	$\left(ar{\ell}_3\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_3112	$\left(ar{\ell}_{3}\sigma_{\mu u}e_{1} ight)\epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu u}u_{2} ight)$	С
lequ3_3113	$\left(ar{\ell}_3\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_3121	$\left(ar{\ell}_3\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	С
lequ3_3122	$\left(ar{\ell}_3\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_3123	$\left(ar{\ell}_3 \sigma_{\mu u} e_1 \right) \epsilon_{jk} \left(ar{q}_2 \sigma^{\mu u} u_3 \right)$	$^{\mathrm{C}}$
lequ3_3131	$\left(\underline{\ell}_{3}\sigma_{\mu\nu}e_{1}\right)\epsilon_{jk}\left(\bar{q}_{3}\sigma^{\mu\nu}u_{1}\right)$	$^{\mathrm{C}}$
lequ3_3132	$\left(ar{\ell}_3\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_3133	$\left(\bar{\ell}_3\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(\bar{q}_3\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_3211	$\left(ar{\ell}_3\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_3212	$\left(\ell_3\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_3213	$\left(\underline{\ell}_{3}\sigma_{\mu\nu}e_{2}\right)\epsilon_{jk}\left(\bar{q}_{1}\sigma^{\mu\nu}u_{3}\right)$	$^{\mathrm{C}}$
lequ3_3221	$\left(\ell_3\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_3222	$\left(ar{\ell}_3\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_3223	$\left(\ell_3\sigma_{\mu\nu}e_2 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_3231	$\left(\ell_3\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu\nu}u_1 ight)$	$^{\mathrm{C}}$
lequ3_3232	$\left(\ell_3\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu\nu}u_2 ight)$	\mathbf{C}
lequ3_3233	$\left(\ell_3\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_3311	$\left(\underline{\ell}_{3}\sigma_{\mu\nu}e_{3}\right)\epsilon_{jk}\left(\bar{q}_{1}\sigma^{\mu\nu}u_{1}\right)$	$^{\mathrm{C}}$
lequ3_3312	$\left(\underline{\ell}_{3}\sigma_{\mu\nu}e_{3}\right)\epsilon_{jk}\left(\bar{q}_{1}\sigma^{\mu\nu}u_{2}\right)$	$^{\mathrm{C}}$
lequ3_3313	$\left(\ell_3\sigma_{\mu\nu}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_3321	$\left(ar{\ell}_3\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_3322	$\left(\underline{\ell}_{3}\sigma_{\mu\nu}e_{3}\right)\epsilon_{jk}\left(ar{q}_{2}\sigma^{\mu\nu}u_{2}\right)$	\mathbf{C}
lequ3_3323	$\left(\bar{\ell}_3\sigma_{\mu\nu}e_3\right)\epsilon_{jk}\left(\bar{q}_2\sigma^{\mu\nu}u_3\right)$	\mathbf{C}
lequ3_3331	$\left(\bar{\ell}_3 \sigma_{\mu\nu} e_3\right) \epsilon_{jk} \left(\bar{q}_3 \sigma^{\mu\nu} u_1\right)$	\mathbf{C}
lequ3_3332	$\left(ar{\ell}_3\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_3333	$\left(ar{\ell}_{3}\sigma_{\mu u}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}\sigma^{\mu u}u_{3} ight)$	\mathbf{C}

dB=dL=1

WC name	Operator	Type
duql_1111	$\left(d_{1}Cu_{1}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
duql_1112	$(d_1Cu_1)(q_1C\ell_2)$	$^{\mathrm{C}}$
duq1_1113	$(d_1Cu_1)(q_1C\ell_3)$	$^{\mathrm{C}}$
duq1_1121	$\left(d_1Cu_1\right)\left(q_2C\ell_1\right)$	$^{\mathrm{C}}$
duq1_1122	$\left(d_1Cu_1\right)\left(q_2C\ell_2\right)$	$^{\mathrm{C}}$
duq1_1123	$\left(d_1Cu_1\right)\left(q_2C\ell_3\right)$	$^{\mathrm{C}}$
duq1_1131	$\left(d_{1}Cu_{1}\right)\left(q_{3}C\ell_{1}\right)$	$^{\mathrm{C}}$
duq1_1132	$\left(d_{1}Cu_{1}\right)\left(q_{3}C\ell_{2}\right)$	$^{\mathrm{C}}$
duql_1133	$\left(d_{1}Cu_{1}\right)\left(q_{3}C\ell_{3}\right)$	$^{\mathrm{C}}$
duql_1211	$\left(d_{1}Cu_{2}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
duql_1212	$\left(d_1Cu_2\right)\left(q_1C\ell_2\right)$	\mathbf{C}
duql_1213	$(d_1Cu_2)(q_1C\ell_3)$	\mathbf{C}
duq1_1221	$\left(d_{1}Cu_{2}\right)\left(q_{2}C\ell_{1}\right)$	\mathbf{C}
duq1_1222	$\left(d_1Cu_2\right)\left(q_2C\ell_2\right)$	\mathbf{C}
duq1_1223	$(d_1Cu_2)(q_2C\ell_3)$	$^{\mathrm{C}}$
duq1_1231	$\left(d_{1}Cu_{2}\right)\left(q_{3}C\ell_{1}\right)$	$^{\mathrm{C}}$
duq1_1232	$\left(d_{1}Cu_{2}\right)\left(q_{3}C\ell_{2}\right)$	$^{\mathrm{C}}$
duq1_1233	$(d_1Cu_2)(q_3C\ell_3)$	\mathbf{C}
duql_1311	$\left(d_{1}Cu_{3}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
duql_1312	$(d_1Cu_3)(q_1C\ell_2)$	\mathbf{C}
duq1_1313	$(d_1Cu_3)(q_1C\ell_3)$	\mathbf{C}
duql_1321	$\left(d_{1}Cu_{3}\right)\left(q_{2}C\ell_{1}\right)$	\mathbf{C}
duql_1322	$(d_1Cu_3)(q_2C\ell_2)$	\mathbf{C}
duq1_1323	$(d_1Cu_3)(q_2C\ell_3)$	\mathbf{C}
duq1_1331	$(d_1Cu_3)(q_3C\ell_1)$	\mathbf{C}
duq1_1332	$(d_1Cu_3)(q_3C\ell_2)$	\mathbf{C}
duq1_1333	$(d_1Cu_3)(q_3C\ell_3)$	$^{\mathrm{C}}$
duql_2111	$\left(d_{2}Cu_{1}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
duq1_2112	$\left(d_{2}Cu_{1}\right)\left(q_{1}C\ell_{2}\right)$	\mathbf{C}
duq1_2113	$\left(d_2Cu_1\right)\left(q_1C\ell_3\right)$	$^{\mathrm{C}}$
duq1_2121	$\left(d_2Cu_1\right)\left(q_2C\ell_1\right)$	\mathbf{C}
duq1_2122	$\left(d_2Cu_1\right)\left(q_2C\ell_2\right)$	\mathbf{C}
duq1_2123	$\left(d_2Cu_1\right)\left(q_2C\ell_3\right)$	\mathbf{C}
duq1_2131	$\left(d_2Cu_1\right)\left(q_3C\ell_1\right)$	\mathbf{C}
duq1_2132	$\left(d_2Cu_1\right)\left(q_3C\ell_2\right)$	\mathbf{C}
duq1_2133	$(d_2Cu_1)(q_3C\ell_3)$	$^{\mathrm{C}}$
duq1_2211	$\left(d_{2}Cu_{2}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
duq1_2212	$(d_2Cu_2)(q_1C\ell_2)$	\mathbf{C}
duq1_2213	$\left(d_{2}Cu_{2}\right)\left(q_{1}C\ell_{3}\right)$	\mathbf{C}
duq1_2221	$\left(d_{2}Cu_{2}\right)\left(q_{2}C\ell_{1}\right)$	\mathbf{C}
duq1_2222	$\left(d_{2}Cu_{2}\right)\left(q_{2}C\ell_{2}\right)$	\mathbf{C}
duq1_2223	$\left(d_2Cu_2\right)\left(q_2C\ell_3\right)$	\mathbf{C}

WC name	Operator	Type
duq1_2231	$(d_2Cu_2)(q_3C\ell_1)$	С
duq1_2232	$\left(d_{2}Cu_{2}\right)\left(q_{3}C\ell_{2}\right)$	$^{\mathrm{C}}$
duq1_2233	$\left(d_{2}Cu_{2}\right)\left(q_{3}C\ell_{3}\right)$	$^{\mathrm{C}}$
duq1_2311	$(d_2Cu_3)(q_1C\ell_1)$	$^{\mathrm{C}}$
duq1_2312	$\left(d_{2}Cu_{3}\right)\left(q_{1}C\ell_{2}\right)$	$^{\mathrm{C}}$
duq1_2313	$(d_2Cu_3)(q_1C\ell_3)$	$^{\mathrm{C}}$
duq1_2321	$(d_2Cu_3)(q_2C\ell_1)$	$^{\mathrm{C}}$
duq1_2322	$(d_2Cu_3)(q_2C\ell_2)$	$^{\mathrm{C}}$
duq1_2323	$(d_2Cu_3)(q_2C\ell_3)$	\mathbf{C}
duq1_2331	$(d_2Cu_3)(q_3C\ell_1)$	\mathbf{C}
duq1_2332	$(d_2Cu_3)(q_3C\ell_2)$	\mathbf{C}
duq1_2333	$(d_2Cu_3)(q_3C\ell_3)$	$^{\mathrm{C}}$
duq1_3111	$(d_3Cu_1)(q_1C\ell_1)$	$^{\mathrm{C}}$
duq1_3112	$(d_3Cu_1)(q_1C\ell_2)$	$^{\mathrm{C}}$
duq1_3113	$(d_3Cu_1)(q_1C\ell_3)$	$^{\mathrm{C}}$
duq1_3121	$\left(d_3Cu_1\right)\left(q_2C\ell_1\right)$	$^{\mathrm{C}}$
duq1_3122	$\left(d_3Cu_1\right)\left(q_2C\ell_2\right)$	$^{\mathrm{C}}$
duq1_3123	$(d_3Cu_1)(q_2C\ell_3)$	$^{\mathrm{C}}$
duq1_3131	$\left(d_3Cu_1\right)\left(q_3C\ell_1\right)$	$^{\mathrm{C}}$
duq1_3132	$\left(d_3Cu_1\right)\left(q_3C\ell_2\right)$	$^{\mathrm{C}}$
duq1_3133	$\left(d_3Cu_1\right)\left(q_3C\ell_3\right)$	$^{\mathrm{C}}$
duq1_3211	$(d_3Cu_2)(q_1C\ell_1)$	\mathbf{C}
duq1_3212	$\left(d_3Cu_2\right)\left(q_1C\ell_2\right)$	\mathbf{C}
duq1_3213	$\left(d_3Cu_2\right)\left(q_1C\ell_3\right)$	\mathbf{C}
duq1_3221	$(d_3Cu_2)(q_2C\ell_1)$	\mathbf{C}
duq1_3222	$(d_3Cu_2)(q_2C\ell_2)$	\mathbf{C}
duq1_3223	$(d_3Cu_2)(q_2C\ell_3)$	\mathbf{C}
duq1_3231	$(d_3Cu_2)(q_3C\ell_1)$	\mathbf{C}
duq1_3232	$(d_3Cu_2)(q_3C\ell_2)$	\mathbf{C}
duq1_3233	$(d_3Cu_2)(q_3C\ell_3)$	\mathbf{C}
duq1_3311	$(d_3Cu_3)(q_1C\ell_1)$	\mathbf{C}
duq1_3312	$\left(d_3Cu_3\right)\left(q_1C\ell_2\right)$	\mathbf{C}
duq1_3313	$(d_3Cu_3)(q_1C\ell_3)$	\mathbf{C}
duq1_3321	$(d_3Cu_3)(q_2C\ell_1)$	$^{\mathrm{C}}$
duq1_3322	$(d_3Cu_3)(q_2C\ell_2)$	\mathbf{C}
duq1_3323	$(d_3Cu_3)(q_2C\ell_3)$	$^{\mathrm{C}}$
duq1_3331	$(d_3Cu_3)(q_3C\ell_1)$	$^{\mathrm{C}}$
duq1_3332	$\left(d_3Cu_3\right)\left(q_3C\ell_2\right)$	$^{\mathrm{C}}$
duq1_3333	$(d_3Cu_3)(q_3C\ell_3)$	$^{\mathrm{C}}$
qque_1111	$(q_1Cq_1)(u_1Ce_1)$	\mathbf{C}
qque_1112	$(q_1Cq_1)(u_1Ce_2)$	\mathbf{C}
qque_1113	$(q_1Cq_1)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_1121	$\left(q_{1}Cq_{1}\right)\left(u_{2}Ce_{1}\right)$	$^{\mathrm{C}}$
qque_1122	$(q_1Cq_1)(u_2Ce_2)$	\mathbf{C}

WC name	Operator	Туре
qque_1123	$(q_1Cq_1)(u_2Ce_3)$	C
qque_1131	$(q_1Cq_1)\left(u_3Ce_1\right)$	\mathbf{C}
qque_1132	$(q_1Cq_1)(u_3Ce_2)$	\mathbf{C}
qque_1133	$(q_1Cq_1)(u_3Ce_3)$	\mathbf{C}
qque_1211	$(q_1Cq_2)\left(u_1Ce_1\right)$	\mathbf{C}
qque_1212	$(q_1Cq_2)\left(u_1Ce_2\right)$	\mathbf{C}
qque_1213	$(q_1Cq_2)\left(u_1Ce_3\right)$	\mathbf{C}
qque_1221	$(q_1Cq_2)\left(u_2Ce_1\right)$	\mathbf{C}
qque_1222	$(q_1Cq_2)\left(u_2Ce_2\right)$	\mathbf{C}
qque_1223	$(q_1Cq_2)\left(u_2Ce_3\right)$	\mathbf{C}
qque_1231	$(q_1Cq_2)(u_3Ce_1)$	\mathbf{C}
qque_1232	$(q_1Cq_2)(u_3Ce_2)$	C
qque_1233	$(q_1Cq_2)(u_3Ce_3)$	\mathbf{C}
qque_1311	$(q_1Cq_3)\left(u_1Ce_1\right)$	\mathbf{C}
qque_1312	$(q_1Cq_3)(u_1Ce_2)$	\mathbf{C}
qque_1313	$(q_1Cq_3)(u_1Ce_3)$	\mathbf{C}
qque_1321	$(q_1Cq_3)(u_2Ce_1)$	\mathbf{C}
qque_1322	$(q_1Cq_3)(u_2Ce_2)$	\mathbf{C}
qque_1323	$(q_1Cq_3)(u_2Ce_3)$	\mathbf{C}
qque_1331	$\left(q_1Cq_3\right)\left(u_3Ce_1\right)$	$^{\mathrm{C}}$
qque_1332	$\left(q_1Cq_3\right)\left(u_3Ce_2\right)$	$^{\mathrm{C}}$
qque_1333	$(q_1Cq_3)(u_3Ce_3)$	\mathbf{C}
qque_2211	$\left(q_2Cq_2\right)\left(u_1Ce_1\right)$	$^{\mathrm{C}}$
qque_2212	$(q_2Cq_2)(u_1Ce_2)$	$^{\mathrm{C}}$
qque_2213	$(q_2Cq_2)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_2221	$(q_2Cq_2)(u_2Ce_1)$	\mathbf{C}
qque_2222	$(q_2Cq_2)(u_2Ce_2)$	\mathbf{C}
qque_2223	$(q_2Cq_2)(u_2Ce_3)$	\mathbf{C}
qque_2231	$\left(q_2Cq_2\right)\left(u_3Ce_1\right)$	$^{\mathrm{C}}$
qque_2232	$(q_2Cq_2)(u_3Ce_2)$	$^{\mathrm{C}}$
qque_2233	$(q_2Cq_2)(u_3Ce_3)$	$^{\mathrm{C}}$
qque_2311	$\left(q_2Cq_3\right)\left(u_1Ce_1\right)$	$^{\mathrm{C}}$
qque_2312	$(q_2Cq_3)(u_1Ce_2)$	$^{\mathrm{C}}$
qque_2313	$(q_2Cq_3)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_2321	$(q_2Cq_3)(u_2Ce_1)$	$^{\mathrm{C}}$
qque_2322	$(q_2Cq_3)(u_2Ce_2)$	$^{\mathrm{C}}$
qque_2323	$(q_2Cq_3)(u_2Ce_3)$	$^{\mathrm{C}}$
qque_2331	$\left(q_2Cq_3\right)\left(u_3Ce_1\right)$	$^{\mathrm{C}}$
qque_2332	$(q_2Cq_3)(u_3Ce_2)$	$^{\mathrm{C}}$
qque_2333	$(q_2Cq_3)(u_3Ce_3)$	$^{\mathrm{C}}$
qque_3311	$(q_3Cq_3)(u_1Ce_1)$	$^{\mathrm{C}}$
qque_3312	$(q_3Cq_3)(u_1Ce_2)$	C
qque_3313	$(q_3Cq_3)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_3321	$(q_3Cq_3)(u_2Ce_1)$	$^{\mathrm{C}}$
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WC name	Operator	Type
qque_3322	$(q_3Cq_3)(u_2Ce_2)$	C
qque_3323	$(q_3Cq_3)(u_2Ce_3)$	\mathbf{C}
qque_3331	$\left(q_{3}Cq_{3}\right)\left(u_{3}Ce_{1}\right)$	\mathbf{C}
qque_3332	$(q_3Cq_3)(u_3Ce_2)$	\mathbf{C}
qque_3333	$\left(q_{3}Cq_{3}\right)\left(u_{3}Ce_{3}\right)$	\mathbf{C}
qqql_1111	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{1}C\ell_{1} ight)$	\mathbf{C}
qqql_1112	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{1}C\ell_{2} ight)$	\mathbf{C}
qqql_1113	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{1}C\ell_{3} ight)$	\mathbf{C}
qqql_1121	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{2}C\ell_{1} ight)$	\mathbf{C}
qqql_1122	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{2}C\ell_{2} ight)$	\mathbf{C}
qqql_1123	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1}\right)\left(q_{2}C\ell_{3}\right)$	\mathbf{C}
qqql_1131	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1}\right)\left(q_{3}C\ell_{1}\right)$	\mathbf{C}
qqql_1132	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1}\right)\left(q_{3}C\ell_{2}\right)$	\mathbf{C}
qqql_1133	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1}\right)\left(q_{3}C\ell_{3}\right)$	\mathbf{C}
qqql_1211	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
qqql_1212	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2} ight)\left(q_{1}C\ell_{2} ight)$	\mathbf{C}
qqql_1213	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2} ight)\left(q_{1}C\ell_{3} ight)$	\mathbf{C}
qqql_1221	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2} ight)\left(q_{2}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqql_1222	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2} ight)\left(q_{2}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqql_1223	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2} ight)\left(q_{2}C\ell_{3} ight)$	C
qqql_1231	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{3}C\ell_{1}\right)$	C
qqql_1232	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{3}C\ell_{2}\right)$	C
qqql_1233	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{3}C\ell_{3}\right)$	C
qqql_1311	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{1}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqql_1312	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{1}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqql_1313	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{1}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqql_1321	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{2}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqql_1322	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{2}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqql_1323	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{2}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqql_1331	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3}\right)\left(q_{3}C\ell_{1}\right)$	$^{\mathrm{C}}$
qqql_1332	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3}\right)\left(q_{3}C\ell_{2}\right)$	C
qqql_1333	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3}\right)\left(q_{3}C\ell_{3}\right)$	$^{\mathrm{C}}$
qqql_2121	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1} ight)\left(q_{2}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqql_2122	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1} ight)\left(q_{2}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqql_2123	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1}\right)\left(q_{2}C\ell_{3}\right)$	$^{\mathrm{C}}$
qqql_2131	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1} ight)\left(q_{3}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_2132	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1}\right)\left(q_{3}C\ell_{2}\right)$	\mathbf{C}
qqq1_2133	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1}\right)\left(q_{3}C\ell_{3}\right)$	\mathbf{C}
qqq1_2221	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2}\right)\left(q_{2}C\ell_{1}\right)$	\mathbf{C}
qqq1_2222	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2}\right)\left(q_{2}C\ell_{2}\right)$	\mathbf{C}
qqq1_2223	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2}\right)\left(q_{2}C\ell_{3}\right)$	\mathbf{C}
qqq1_2231	$\epsilon_{il}\epsilon_{jk} \left(q_2Cq_2\right) \left(q_3C\ell_1\right)$	\mathbf{C}
qqq1_2232	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2}\right)\left(q_{3}C\ell_{2}\right)$	C
qqq1_2233	$\epsilon_{il}\epsilon_{jk} \left(q_2Cq_2\right) \left(q_3C\ell_3\right)$	C

WC name	Operator	Type
qqql_2311	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3}\right)\left(q_{1}C\ell_{1}\right)$	С
qqq1_2312	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{1}C\ell_{2} ight)$	C
qqq1_2313	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{1}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqq1_2321	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{2}C\ell_{1} ight)$	\mathbf{C}
qqq1_2322	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{2}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqq1_2323	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{2}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqq1_2331	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{3}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_2332	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3}\right)\left(q_{3}C\ell_{2}\right)$	\mathbf{C}
qqq1_2333	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{3}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqq1_3131	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{1} ight)\left(q_{3}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_3132	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{1} ight)\left(q_{3}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqq1_3133	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{1} ight)\left(q_{3}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqq1_3231	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{2} ight)\left(q_{3}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_3232	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{2} ight)\left(q_{3}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqq1_3233	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{2} ight)\left(q_{3}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqq1_3331	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{3} ight)\left(q_{3}C\ell_{1} ight)$	C
qqq1_3332	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{3} ight)\left(q_{3}C\ell_{2} ight)$	C
qqq1_3333	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{3} ight)\left(q_{3}C\ell_{3} ight)$	$^{\mathrm{C}}$
duue_1111	$(d_1Cu_1)(u_1Ce_1)$	C
duue_1112	$(d_1Cu_1)\left(u_1Ce_2\right)$	C
duue_1113	$(d_1Cu_1)\left(u_1Ce_3\right)$	C
duue_1121	$\left(d_{1}Cu_{1}\right)\left(u_{2}Ce_{1}\right)$	C
duue_1122	$(d_1Cu_1)\left(u_2Ce_2\right)$	C
duue_1123	$(d_1Cu_1)\left(u_2Ce_3\right)$	$^{\mathrm{C}}$
duue_1131	$(d_1Cu_1)\left(u_3Ce_1\right)$	$^{\mathrm{C}}$
duue_1132	$\left(d_{1}Cu_{1}\right)\left(u_{3}Ce_{2}\right)$	C
duue_1133	$\left(d_{1}Cu_{1}\right)\left(u_{3}Ce_{3}\right)$	C
duue_1211	$\left(d_{1}Cu_{2}\right)\left(u_{1}Ce_{1}\right)$	C
duue_1212	$(d_1Cu_2)\left(u_1Ce_2\right)$	C
duue_1213	$(d_1Cu_2)\left(u_1Ce_3\right)$	C
duue_1221	$(d_1 C u_2) \left(u_2 C e_1 \right)$	C
duue_1222	$(d_1Cu_2)\left(u_2Ce_2\right)$	C
duue_1223	$(d_1Cu_2)(u_2Ce_3)$	C
duue_1231	$(d_1Cu_2)\left(u_3Ce_1\right)$	C
duue_1232	$(d_1Cu_2)(u_3Ce_2)$	$^{\mathrm{C}}$
duue_1233	$(d_1Cu_2)(u_3Ce_3)$	$^{\mathrm{C}}$
duue_1311	$(d_1Cu_3)(u_1Ce_1)$	\mathbf{C}
duue_1312	$(d_1Cu_3)(u_1Ce_2)$	$^{\mathrm{C}}$
duue_1313	$(d_1Cu_3)(u_1Ce_3)$	$^{\mathrm{C}}$
duue_1321	$(d_1Cu_3)(u_2Ce_1)$	$^{\mathrm{C}}$
duue_1322	$(d_1Cu_3)(u_2Ce_2)$	\mathbf{C}
duue_1323	$(d_1Cu_3)(u_2Ce_3)$	\mathbf{C}
duue_1331	$(d_1Cu_3)(u_3Ce_1)$	\mathbf{C}
duue_1332	$(d_1Cu_3)(u_3Ce_2)$	\mathbf{C}
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WC name	Operator	Type
duue_1333	$(d_1Cu_3)(u_3Ce_3)$	C
duue_2111	$\left(d_{2}Cu_{1}\right)\left(u_{1}Ce_{1}\right)$	$^{\mathrm{C}}$
duue_2112	$\left(d_{2}Cu_{1}\right)\left(u_{1}Ce_{2}\right)$	$^{\mathrm{C}}$
duue_2113	$\left(d_{2}Cu_{1}\right)\left(u_{1}Ce_{3}\right)$	$^{\mathrm{C}}$
duue_2121	$\left(d_{2}Cu_{1}\right)\left(u_{2}Ce_{1}\right)$	\mathbf{C}
duue_2122	$\left(d_{2}Cu_{1}\right)\left(u_{2}Ce_{2}\right)$	\mathbf{C}
duue_2123	$\left(d_{2}Cu_{1}\right)\left(u_{2}Ce_{3}\right)$	\mathbf{C}
duue_2131	$\left(d_{2}Cu_{1}\right)\left(u_{3}Ce_{1}\right)$	\mathbf{C}
duue_2132	$\left(d_{2}Cu_{1}\right)\left(u_{3}Ce_{2}\right)$	\mathbf{C}
duue_2133	$\left(d_{2}Cu_{1}\right)\left(u_{3}Ce_{3}\right)$	\mathbf{C}
duue_2211	$(d_2Cu_2)\left(u_1Ce_1\right)$	\mathbf{C}
duue_2212	$(d_2Cu_2)(u_1Ce_2)$	\mathbf{C}
duue_2213	$(d_2Cu_2)(u_1Ce_3)$	\mathbf{C}
duue_2221	$(d_2Cu_2)(u_2Ce_1)$	\mathbf{C}
duue_2222	$(d_2Cu_2)(u_2Ce_2)$	\mathbf{C}
duue_2223	$(d_2Cu_2)(u_2Ce_3)$	$^{\mathrm{C}}$
duue_2231	$(d_2Cu_2)(u_3Ce_1)$	$^{\mathrm{C}}$
duue_2232	$(d_2Cu_2)(u_3Ce_2)$	$^{\mathrm{C}}$
duue_2233	$(d_2Cu_2)(u_3Ce_3)$	$^{\mathrm{C}}$
duue_2311	$(d_2Cu_3)(u_1Ce_1)$	\mathbf{C}
duue_2312	$(d_2Cu_3)(u_1Ce_2)$	\mathbf{C}
duue_2313	$(d_2Cu_3)(u_1Ce_3)$	\mathbf{C}
duue_2321	$(d_2Cu_3)(u_2Ce_1)$	\mathbf{C}
duue_2322	$(d_2Cu_3)(u_2Ce_2)$	$^{\mathrm{C}}$
duue_2323	$(d_2Cu_3)(u_2Ce_3)$	\mathbf{C}
duue_2331	$(d_2Cu_3)(u_3Ce_1)$	\mathbf{C}
duue_2332	$(d_2Cu_3)(u_3Ce_2)$	\mathbf{C}
duue_2333	$(d_2Cu_3)(u_3Ce_3)$	\mathbf{C}
duue_3111	$\left(d_3Cu_1\right)\left(u_1Ce_1\right)$	\mathbf{C}
duue_3112	$\left(d_3Cu_1\right)\left(u_1Ce_2\right)$	\mathbf{C}
duue_3113	$(d_3Cu_1)(u_1Ce_3)$	\mathbf{C}
duue_3121	$\left(d_3Cu_1\right)\left(u_2Ce_1\right)$	\mathbf{C}
duue_3122	$\left(d_3Cu_1\right)\left(u_2Ce_2\right)$	\mathbf{C}
duue_3123	$\left(d_3Cu_1\right)\left(u_2Ce_3\right)$	\mathbf{C}
duue_3131	$\left(d_3Cu_1\right)\left(u_3Ce_1\right)$	$^{\mathrm{C}}$
duue_3132	$\left(d_3Cu_1\right)\left(u_3Ce_2\right)$	$^{\mathrm{C}}$
duue_3133	$\left(d_3Cu_1\right)\left(u_3Ce_3\right)$	\mathbf{C}
duue_3211	$\left(d_3Cu_2\right)\left(u_1Ce_1\right)$	$^{\mathrm{C}}$
duue_3212	$(d_3Cu_2)(u_1Ce_2)$	$^{\mathrm{C}}$
duue_3213	$(d_3Cu_2)(u_1Ce_3)$	\mathbf{C}
duue_3221	$(d_3Cu_2)(u_2Ce_1)$	\mathbf{C}
duue_3222	$(d_3Cu_2)(u_2Ce_2)$	\mathbf{C}
duue_3223	$(d_3Cu_2)(u_2Ce_3)$	$^{\mathrm{C}}$
duue_3231	$(d_3Cu_2)(u_3Ce_1)$	C

WC name	Operator	Туре
duue_3232	$(d_3Cu_2)(u_3Ce_2)$	C
duue_3233	$(d_3Cu_2)(u_3Ce_3)$	\mathbf{C}
duue_3311	$(d_3Cu_3)(u_1Ce_1)$	\mathbf{C}
duue_3312	$(d_3Cu_3)(u_1Ce_2)$	\mathbf{C}
duue_3313	$(d_3Cu_3)(u_1Ce_3)$	\mathbf{C}
duue_3321	$(d_3Cu_3)(u_2Ce_1)$	\mathbf{C}
duue_3322	$(d_3Cu_3)(u_2Ce_2)$	\mathbf{C}
duue_3323	$(d_3Cu_3)(u_2Ce_3)$	\mathbf{C}
duue_3331	$(d_3Cu_3)(u_3Ce_1)$	\mathbf{C}
duue_3332	$(d_3Cu_3)(u_3Ce_2)$	\mathbf{C}
duue_3333	$(d_3Cu_3)(u_3Ce_3)$	$^{\mathrm{C}}$

dL=2

WC name	Operator	Type
llphiphi_11	$\left(\widetilde{arphi}^{\dagger}\ell_{1} ight)^{T}C\left(\widetilde{arphi}^{\dagger}\ell_{1} ight)$	С
llphiphi_22	$\left(\widetilde{arphi}^{\dagger}\ell_{2} ight)^{T}C\left(\widetilde{arphi}^{\dagger}\ell_{2} ight)$	$^{\mathrm{C}}$
llphiphi_33	$\left(\widetilde{arphi}^{\dagger}\ell_{3}\right)^{T}C\left(\widetilde{arphi}^{\dagger}\ell_{3}\right)$	\mathbf{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	$f^{ABC}G^{A u}_{\mu}G^{B ho}_{ u}G^{C\mu}_{ ho}$	R
Gtilde	$f^{ABC}\widetilde{G}_{\prime\prime}^{A u}G_{ u}^{B ho}G_{0}^{C\mu}$	${ m R}$
W	$\epsilon^{IJK}W_{\mu}^{I u}W_{ u}^{J ho}W_{ u}^{K\mu}$	${ m R}$
Wtilde	$\epsilon^{IJK}\widetilde{W}_{\mu}^{I u}W_{ u}^{J ho}W_{ ho}^{K\mu}$	R
phi	$\left(arphi^\daggerarphi ight)^{3^\prime}$	R
phiBox	$\left(arphi^\daggerarphi ight)\square\left(arphi^\daggerarphi ight)$	\mathbf{R}
phiD	$\left(arphi^\dagger D^\mu arphi ight)^* \left(arphi^\dagger D_\mu arphi ight)$	${ m R}$
phiG	$\hat{arphi}^\dagger arphi G^A_{\mu u} \hat{G}^{A\hat{\mu} u}$	\mathbf{R}
phiB	$arphi^\dagger arphi B_{\mu u}^{'} B^{\mu u}$	\mathbf{R}
phiW	$arphi^\dagger arphi W^I_{\mu u} W^{I\mu u}$	\mathbf{R}
phiWB	$arphi^\dagger au^I arphi W^I_{\mu u} B^{\mu u}$	\mathbf{R}
phiGtilde	$arphi^\dagger arphi \widetilde{ ilde{G}}_{\mu u}^A G^{A \mu u}$	${ m R}$
phiBtilde	$arphi^\dagger arphi \widetilde{B}_{\mu u} B^{\mu u}$	R
phiWtilde	$arphi^\dagger arphi \widetilde{\widetilde{W}}_{\mu u}^I W^{I \mu u}$	R
phiWtildeB	$arphi^\dagger au^I arphi \widetilde{W}^I_{\mu u} B^{\mu u}$	${ m R}$
uphi_11	$\left(arphi^\daggerarphi ight)\left(ar{q}_1u_1\widetilde{arphi} ight)$	$^{\mathrm{C}}$
uphi_12	$\left(arphi^\daggerarphi ight)\left(ar{q}_1u_2\widetilde{arphi} ight)$	\mathbf{C}
uphi_13	$\left(arphi^\daggerarphi ight)\left(ar{q}_1u_3\widetilde{arphi} ight)$	$^{\mathrm{C}}$
uphi_21	$\left(arphi^\daggerarphi ight)\left(ar{q}_2u_1\widetilde{arphi} ight)$	C
uphi_22	$\left(arphi^\daggerarphi ight)\left(ar{q}_2u_2\widetilde{arphi} ight)$	C
uphi_23	$\left(arphi^\daggerarphi ight)\left(ar{q}_2u_3\widetilde{arphi} ight)$	\mathbf{C}
uphi_31	$\left(arphi^\daggerarphi ight)\left(ar{q}_3u_1\widetilde{arphi} ight)$	C
uphi_32	$\left(arphi_{1}^{\dagger}arphi ight)\left(ar{q}_{3}u_{2}\widetilde{arphi} ight)$	C
uphi_33	$\left(arphi^\daggerarphi ight)\left(ar{q}_3u_3\widetilde{arphi} ight)$	C
dphi_11	$\left(arphi^\daggerarphi ight)\left(ar{q}_1d_1arphi ight)$	C
dphi_12	$\left(arphi^\daggerarphi ight)\left(ar{q}_1d_2arphi ight)$	$^{\mathrm{C}}$

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dphi_33 $(\varphi^{\dagger}\varphi)(\bar{q}_3d_3\varphi)$ C ephi_11 $(\varphi^{\dagger}\varphi)(\bar{\ell}_1e_1\varphi)$ C ephi_12 $(\varphi^{\dagger}\varphi)(\bar{\ell}_1e_2\varphi)$ C ephi_13 $(\varphi^{\dagger}\varphi)(\bar{\ell}_1e_3\varphi)$ C	
ephi_11 $(\varphi^{\dagger}\varphi)(\bar{\ell}_1e_1\varphi)$ C ephi_12 $(\varphi^{\dagger}\varphi)(\bar{\ell}_1e_2\varphi)$ C ephi_13 $(\varphi^{\dagger}\varphi)(\bar{\ell}_1e_3\varphi)$ C	
ephi_12 $(\varphi^{\dagger}\varphi)(\bar{\ell}_1e_2\varphi)$ C ephi_13 $(\varphi^{\dagger}\varphi)(\bar{\ell}_1e_3\varphi)$ C	
ephi_13 $\left(\varphi^{\dagger}\varphi\right)\left(\bar{\ell}_{1}e_{3}\varphi\right)$ C	
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ephi_21 $(\varphi^{\dagger}\varphi) (\ell_2 e_1 \varphi)$ C	
ephi_22 $\left(\varphi^{\dagger}\varphi\right)\left(\bar{\ell}_{2}e_{2}\varphi\right)$ C	
ephi_23 $\left(\varphi^{\dagger}\varphi\right)\left(\bar{\ell}_{2}e_{3}\varphi\right)$ C	
ephi_31 $\left(\varphi^{\dagger}\varphi\right)\left(\bar{\ell}_{3}e_{1}\varphi\right)$ C	
ephi_32 $\left(\varphi^{\dagger}\varphi\right)\left(\bar{\ell}_{3}e_{2}\varphi\right)$ C	
ephi_33 $\left(\varphi^{\dagger}\varphi\right)\left(\bar{\ell}_{3}e_{3}\varphi\right)$ C	
eW_11 $\left(\bar{\ell}_1\sigma^{\mu\nu}e_1\right)\tau^I\varphi W^I_{\mu\nu}$ C	
eW_12 $\left(\bar{\ell}_1\sigma^{\mu\nu}e_2\right)\tau^I\varphi W^I_{\mu\nu}$ C	
eW_13 $\left(\bar{\ell}_1\sigma^{\mu\nu}e_3\right) au^I\varphi W^I_{\mu\nu}$ C	
eW_21 $\left(\bar{\ell}_2\sigma^{\mu\nu}e_1\right)\tau^I\varphi W^I_{\mu\nu}$ C	
eW_22 $(\bar{\ell}_2 \sigma^{\mu\nu} e_2) \tau^I \varphi W^I_{\mu\nu}$ C	
eW_23 $(\bar{\ell}_2 \sigma^{\mu\nu} e_3) \tau^I \varphi W^I_{\mu\nu}$ C	
eW_31 $(\bar{\ell}_3 \sigma^{\mu\nu} e_1) \tau^I \varphi W^I_{\mu\nu}$ C	
eW_32 $(\bar{\ell}_3 \sigma^{\mu\nu} e_2) \tau^I \varphi W^I_{\mu\nu}$ C	
eW_33 $(\bar{\ell}_3 \sigma^{\mu\nu} e_3) \tau^I \varphi W^I_{\mu\nu}$ 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 $\left(\bar{q}_1\sigma^{\mu\nu}T^Au_1\right)\widetilde{\varphi}G^A_{\mu\nu}$ C	
uG_12 $(\bar{q}_1 \sigma^{\mu\nu} T^A u_2) \widetilde{\varphi} G^A_{\mu\nu}$ C	
uG_13 $(\bar{q}_1 \sigma^{\mu\nu} T^A u_3) \widetilde{\varphi} G^A_{\mu\nu}$ C	
uG_21 $(\bar{q}_2\sigma^{\mu\nu}T^Au_1)\widetilde{\varphi}G^A_{\mu\nu}$ C	
uG_22 $(\bar{q}_2 \sigma^{\mu\nu} T^A u_2) \widetilde{\varphi} G^A_{\mu\nu}$ C	
uG_23 $(\bar{q}_2\sigma^{\mu\nu}T^Au_3)\widetilde{\varphi}G^A_{\mu\nu}$ C	
uG_31 $(\bar{q}_3 \sigma^{\mu\nu} T^A u_1) \widetilde{\varphi} G^A_{\mu\nu}$ C	
uG_32 $\left(\overline{q}_3\sigma^{\mu\nu}T^Au_2\right)\widetilde{\varphi}G_{\mu\nu}^A$ C	

WC name	Operator	Type
uG_33	$\left(\bar{q}_3\sigma^{\mu\nu}T^Au_3\right)\widetilde{\varphi}G^A_{\mu\nu}$	C
uW_11	$(ar{q}_1\sigma^{\mu u}u_1) au^I\widetilde{arphi}W^{f^u}_{\mu u}$	\mathbf{C}
uW_12	$(\bar{q}_1\sigma^{\mu\nu}u_2) au^I\widetilde{\widetilde{arphi}}W^{II}_{\mu u}$	\mathbf{C}
uW_13	$(\bar{q}_1\sigma^{\mu u}u_3) au^I\widetilde{arphi}W^I_{\mu u}$	\mathbf{C}
uW_21	$(ar{q}_2\sigma^{\mu u}u_1) au^I\widetilde{arphi}W^I_{\mu u}$	\mathbf{C}
uW_22	$(\bar{q}_2\sigma^{\mu\nu}u_2) au^I\widetilde{arphi}W^I_{\mu u}$	\mathbf{C}
uW_23	$(\bar{q}_2\sigma^{\mu\nu}u_3) au^I\widetilde{\widetilde{\varphi}}W^I_{\mu\nu}$	\mathbf{C}
uW_31	$(\bar{q}_3\sigma^{\mu u}u_1) au^I\widetilde{arphi}W^I_{\mu u}$	\mathbf{C}
uW_32	$(\bar{q}_3\sigma^{\mu u}u_2) au^I\widetilde{arphi}W^I_{\mu u}$	\mathbf{C}
uW_33	$(\bar{q}_3\sigma^{\mu\nu}u_3) au^I\widetilde{arphi}W^I_{\mu u}$	\mathbf{C}
uB_11	$(\bar{q}_1\sigma^{\mu u}u_1)\widetilde{arphi}B_{\mu u}$	\mathbf{C}
uB_12	$(\bar{q}_1\sigma^{\mu u}u_2)\widetilde{\varphi}B_{\mu u}$	\mathbf{C}
uB_13	$(\bar{q}_1\sigma^{\mu u}u_3)\widetilde{arphi}B_{\mu u}$	\mathbf{C}
uB_21	$(\bar{q}_2\sigma^{\mu u}u_1)\widetilde{arphi}B_{\mu u}$	$^{\mathrm{C}}$
uB_22	$(ar{q}_2\sigma^{\mu u}u_2)\widetilde{arphi}B_{\mu u}$	$^{\mathrm{C}}$
uB_23	$(ar{q}_2\sigma^{\mu u}u_3)\widetilde{arphi}B_{\mu u}$	$^{\mathrm{C}}$
uB_31	$(\bar{q}_3\sigma^{\mu u}u_1)\widetilde{\varphi}B_{\mu u}$	$^{\mathrm{C}}$
uB_32	$(\bar{q}_3\sigma^{\mu u}u_2)\widetilde{arphi}B_{\mu u}$	$^{\mathrm{C}}$
uB_33	$(\bar{q}_3\sigma^{\mu\nu}u_3)\widetilde{\varphi}B_{\mu\nu}$	$^{\mathrm{C}}$
dG_11	$\left(ar{q}_1\sigma^{\mu u}T^Ad_1 ight)arphi G^A_{\mu u}$	$^{\mathrm{C}}$
dG_12	$\left(ar{q}_1\sigma^{\mu u}T^Ad_2 ight)arphi G_{\mu u}^A$	\mathbf{C}
dG_13	$\left(\bar{q}_1\sigma^{\mu u}T^Ad_3\right)arphi G_{\mu u}^A$	$^{\mathrm{C}}$
dG_21	$\left(ar{q}_2 \sigma^{\mu u} T^A d_1 \right) arphi G^A_{\mu u}$	$^{\mathrm{C}}$
dG_22	$\left(ar{q}_2\sigma^{\mu u}T^Ad_2 ight)arphi G_{\mu u}^A$	$^{\mathrm{C}}$
dG_23	$\left(ar{q}_2\sigma^{\mu u}T^Ad_3\right)arphi G_{\mu u}^A$	\mathbf{C}
dG_31	$(\bar{q}_3\sigma^{\mu u}T^Ad_1)arphi G_{\mu u}^A$	$^{\mathrm{C}}$
dG_32	$\left\langle ar{q}_{3}\sigma^{\mu u}T^{A}d_{2} ight angle arphi G_{\mu u}^{A}$	$^{\mathrm{C}}$
dG_33	$\left(\bar{q}_3\sigma^{\mu u}T^Ad_3\right)arphi G_{\mu u}^A$	$^{\mathrm{C}}$
dW_11	$(\bar{q}_1\sigma^{\mu u}d_1) au^Iarphi W^I_{\mu u}$	$^{\mathrm{C}}$
dW_12	$(ar{q}_1\sigma^{\mu u}d_2) au^Iarphi W^I_{\mu u}$	$^{\mathrm{C}}$
dW_13	$(ar{q}_1\sigma^{\mu u}d_3) au^Iarphi W^I_{\mu u}$	$^{\mathrm{C}}$
dW_21	$(\bar{q}_2\sigma^{\mu u}d_1) au^Iarphi W^I_{\mu u}$	$^{\mathrm{C}}$
dW_22	$(\bar{q}_2\sigma^{\mu u}d_2) au^Iarphi W^I_{\mu u}$	$^{\mathrm{C}}$
dW_23	$(ar{q}_2\sigma^{\mu u}d_3) au^Iarphi W^I_{\mu u}$	$^{\mathrm{C}}$
dW_31	$(\bar{q}_3\sigma^{\mu\nu}d_1) au^Iarphi W^I_{\mu u}$	$^{\mathrm{C}}$
dW_32	$(ar{q}_3\sigma^{\mu u}d_2) au^Iarphi W^I_{\mu u}$	$^{\mathrm{C}}$
dW_33	$(ar{q}_3\sigma^{\mu u}d_3) au^Iarphi W^{\widetilde{I}}_{\mu u}$	$^{\mathrm{C}}$
dB_11	$(\bar{q}_1\sigma^{\mu u}d_1)arphi B_{\mu u}$	$^{\mathrm{C}}$
dB_12	$(ar{q}_1\sigma^{\mu u}d_2)arphi B_{\mu u}$	$^{\mathrm{C}}$
dB_13	$(ar{q}_1\sigma^{\mu u}d_3)arphi B_{\mu u}$	$^{\mathrm{C}}$
dB_21	$(\bar{q}_2\sigma^{\mu u}d_1)\varphi B_{\mu u}$	$^{\mathrm{C}}$
dB_22	$(\bar{q}_2\sigma^{\mu u}d_2)\varphi B_{\mu u}$	$^{\mathrm{C}}$
dB_23	$(\bar{q}_2\sigma^{\mu u}d_3)\varphi B_{\mu u}$	$^{\mathrm{C}}$

C name	Operator	Type
3_31	$(\bar{q}_3\sigma^{\mu\nu}d_1)\varphi B_{\mu\nu}$	C
3_32 3_33	$ \begin{array}{l} (\bar{q}_3 \sigma^{\mu\nu} d_2) \varphi B_{\mu\nu} \\ (\bar{q}_3 \sigma^{\mu\nu} d_3) \varphi B_{\mu\nu} \end{array} $	C C
nil1_11	$\begin{pmatrix} \varphi^{\dagger} i \overset{\leftrightarrow}{D}_{\mu} \varphi \end{pmatrix} (\bar{\ell}_{1} \gamma^{\mu} \ell_{1})$	R
nil1_12	$\left\langle arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight angle \left(ar{\ell}_1 \gamma^\mu \ell_2 ight)$	$^{\mathrm{C}}$
iil1_13	$\left\langle arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight angle \left(ar{\ell}_1 \gamma^\mu \ell_3 ight)$	$^{\mathrm{C}}$
iil1_22	$\left\langle arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight angle \left(ar{\ell}_{2}\gamma^{\mu}\ell_{2} ight) \ \left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight) \left(ar{\ell}_{2}\gamma^{\mu}\ell_{3} ight)$	R
il1_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{\ell}_2 \gamma^\mu \ell_3 ight)$	\mathbf{C}
il1_33	$\left\langle arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight angle \left(ar{\ell}_3 \gamma^\mu \ell_3 ight)$	${ m R}$
i13_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_1 au^I \gamma^\mu \ell_1 ight)$	R
i13_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_1 au^I \gamma^\mu \ell_2 ight)$	\mathbf{C}
i13_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_1 au^I \gamma^\mu \ell_3 ight)$	\mathbf{C}
i13_22	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_2 au^I \gamma^\mu \ell_2 ight)$	R
i13_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_2 au^I \gamma^\mu \ell_3 ight)$	$^{\mathrm{C}}$
113_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{\ell}_3 au^I \gamma^\mu \ell_3 ight)$	R
ie_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_1 \gamma^\mu e_1)$	R
ie_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_1 \gamma^\mu e_2)$	\mathbf{C}
ie_13	$\left\langle arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight angle \left(ar{e}_{1}\gamma^{\mu}e_{3} ight)$	$^{\mathrm{C}}$
ie_22	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_2 \gamma^\mu e_2)$	R
ie_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_2 \gamma^\mu e_3)$	$^{\mathrm{C}}$
ie_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{e}_3 \gamma^\mu e_3)$	R
iq1_11	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{e}_{2}\gamma^{\mu}e_{3} ight) \\ \left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{e}_{3}\gamma^{\mu}e_{3} ight) \\ \left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{q}_{1}\gamma^{\mu}q_{1} ight) \\ \left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{q}_{1}\gamma^{\mu}q_{2} ight) \end{array}$	R
.q1_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{q}_1 \gamma^\mu q_2)$	\mathbf{C}

WC name	Operator	Type
phiq1_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{q}_1 \gamma^\mu q_3 ight)$	C
phiq1_22	$\left\langle arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight angle \left(ar{q}_{2}\gamma^{\mu}q_{2} ight)$	R
phiq1_23	$\left\langle arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight angle \left(ar{q}_{2}\gamma^{\mu}q_{3} ight)$	\mathbf{C}
phiq1_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{q}_3 \gamma^\mu q_3)$	R
phiq3_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_1 au^I \gamma^\mu q_1 ight)$	R
phiq3_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_1 au^I \gamma^\mu q_2 ight)$	\mathbf{C}
phiq3_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_1 au^I \gamma^\mu q_3 ight)$	\mathbf{C}
phiq3_22	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}Imuarphi ight)\left(ar{q}_{2} au^{I}\gamma^{\mu}q_{2} ight)$	R
phiq3_23	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_2 au^I \gamma^\mu q_3 ight)$	\mathbf{C}
phiq3_33	$\left(arphi^\dagger i \overset{\leftrightarrow}{D} I m u arphi ight) \left(ar{q}_3 au^I \gamma^\mu q_3 ight)$	R
phiu_11	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{u}_1 \gamma^\mu u_1 ight)$	R
phiu_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{u}_1 \gamma^\mu u_2)$	\mathbf{C}
phiu_13	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) (ar{u}_1 \gamma^\mu u_3)$	\mathbf{C}
phiu_22	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)(ar{u}_{2}\gamma^{\mu}u_{2})$	R
phiu_23	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)(ar{u}_{2}\gamma^{\mu}u_{3})$	\mathbf{C}
phiu_33	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)(ar{u}_{3}\gamma^{\mu}u_{3})$	R
phid_11	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{1}\gamma^{\mu}d_{1} ight)$	R
phid_12	$\left(arphi^\dagger i \overset{\leftrightarrow}{D}_\mu arphi ight) \left(ar{d}_1 \gamma^\mu d_2 ight)$	\mathbf{C}
phid_13	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{1}\gamma^{\mu}d_{3} ight)$	\mathbf{C}
phid_22	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{2}\gamma^{\mu}d_{2} ight)$	R
phid_23	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{1}\gamma^{\mu}d_{3} ight) \\ \left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{2}\gamma^{\mu}d_{2} ight) \\ \left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{2}\gamma^{\mu}d_{3} ight) \\ \left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{3}\gamma^{\mu}d_{3} ight) $	\mathbf{C}
phid_33	$\left(arphi^{\dagger}i\overset{\leftrightarrow}{D}_{\mu}arphi ight)\left(ar{d}_{3}\gamma^{\mu}d_{3} ight)$	R

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11_1231 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_1)$ C 11_1232 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_2)$ C 11_1233 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_3)$ C	
11_1232	
11_1233 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_3)$ C	
= - \\"\1/\mu\0)\\"\1/\"\0)	
11_1322 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_2)$ C	
11_1323 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_3)$ C	
11_1331 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_1)$ R	
11_1332 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_2)$ C	
11_1333 $(\bar{\ell}_1\gamma_\mu\ell_3)(\bar{\ell}_3\gamma^\mu\ell_3)$ C	
11_2222 $ (\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_2) $ R	
11_2223 $(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_2 \gamma^\mu \ell_3)$ C	
11_2233 $ (\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{\ell}_3 \gamma^\mu \ell_3) $ R	
11_2323 $(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{\ell}_2 \gamma^\mu \ell_3)$ C	
11_2332 $(\bar{\ell}_2 \gamma_\mu \ell_3) (\bar{\ell}_3 \gamma^\mu \ell_2)$ R	
11_2333 $(\bar{\ell}_2\gamma_\mu\ell_3)(\bar{\ell}_3\gamma^\mu\ell_3)$ C	
11_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	$\left(\bar{q}_1\gamma_{\mu}q_2\right)\left(\bar{q}_1\gamma^{\mu}q_3\right)$	С
qq1_1221	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_2\gamma^{\mu}q_1 ight)$	R
qq1_1222	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_2\gamma^{\mu}q_2 ight)$	\mathbf{C}
qq1_1223	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_2\gamma^{\mu}q_3 ight)$	$^{\mathrm{C}}$
qq1_1231	$\left(ar{q}_1\gamma_\mu q_2 ight)\left(ar{q}_3\gamma^\mu q_1 ight)$	\mathbf{C}
qq1_1232	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_3\gamma^{\mu}q_2 ight)$	\mathbf{C}
qq1_1233	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{q}_3\gamma^{\mu}q_3 ight)$	\mathbf{C}
qq1_1313	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_1\gamma^{\mu}q_3 ight)$	C
qq1_1322	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_2\gamma^{\mu}q_2 ight)$	C
qq1_1323	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_2\gamma^{\mu}q_3 ight)$	\mathbf{C}
qq1_1331	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_3\gamma^{\mu}q_1 ight)$	R
qq1_1332	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_3\gamma^{\mu}q_2 ight)$	C
qq1_1333	$\left(ar{q}_1\gamma_{\mu}q_3 ight)\left(ar{q}_3\gamma^{\mu}q_3 ight)$	C
qq1_2222	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{q}_2\gamma^{\mu}q_2 ight)$	R
qq1_2223	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{q}_2\gamma^{\mu}q_3 ight)$	C
qq1_2233	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{q}_3\gamma^{\mu}q_3 ight)$	R
qq1_2323	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{q}_2\gamma^{\mu}q_3 ight)$	C
qq1_2332	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{q}_3\gamma^{\mu}q_2 ight)$	R
qq1_2333	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{q}_3\gamma^{\mu}q_3 ight)$	C
qq1_3333	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{q}_3\gamma^{\mu}q_3 ight)$	R
qq3_1111	$\left(ar{q}_1\gamma_\mu au^I_{q}q_1 ight)\left(ar{q}_1\gamma^\mu au^I_{q}q_1 ight)$	R
qq3_1112	$\left(ar{q}_1\gamma_\mu au^I_{q}q_1 ight)\left(ar{q}_1\gamma^\mu au^I_{q}q_2 ight)$	C
qq3_1113	$\left(ar{q}_1 \gamma_\mu au^I_{q} q_1 \right) \left(ar{q}_1 \gamma^\mu au^I_{q} q_3 \right)$	C
qq3_1122	$\left(ar{q}_1\gamma_\mu au^I_{q}q_1 ight)\left(ar{q}_2\gamma^\mu au^I_{q}q_2 ight)$	R
qq3_1123	$\left(ar{q}_1\gamma_\mu au^I_{q}q_1 ight)\left(ar{q}_2\gamma^\mu au^I_{q}q_3 ight)$	C
qq3_1133	$\left(ar{q}_1\gamma_\mu au^I_{q}q_1 ight)\left(ar{q}_3\gamma^\mu au^I_{q}q_3 ight)$	R
qq3_1212	$\left(ar{q}_1\gamma_\mu au^I_{q}q_2 ight)\left(ar{q}_1\gamma^\mu au^I_{q}q_2 ight)$	C
qq3_1213	$\left(ar{q}_1\gamma_\mu au^I_{_I}q_2 ight)\left(ar{q}_1\gamma^\mu au^I_{_{_I}}q_3 ight)$	C
qq3_1221	$\left(ar{q}_1\gamma_\mu au^I_{q}q_2 ight)\left(ar{q}_2\gamma^\mu au^I_{q}q_1 ight)$	R
qq3_1222	$\left\langle ar{q}_{1}\gamma_{\mu} au^{I}q_{2} ight angle \left\langle ar{q}_{2}\gamma^{\mu} au^{I}q_{2} ight angle$	C
qq3_1223	$\left(ar{q}_1\gamma_\mu au^I_{q}q_2 ight)\left(ar{q}_2\gamma^\mu au^I_{q}q_3 ight)$	C
qq3_1231	$\left(ar{q}_1\gamma_\mu au^Iq_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_1 ight)$	C
qq3_1232	$\left(ar{q}_1\gamma_\mu au^I_{q}q_2 ight)\left(ar{q}_3\gamma^\mu au^I_{q}q_2 ight)$	C
qq3_1233	$\left\langle ar{q}_{1}\gamma_{\mu} au^{I}q_{2} ight angle \left\langle ar{q}_{3}\gamma^{\mu} au^{I}q_{3} ight angle$	C
qq3_1313	$\left\langle ar{q}_{1}\gamma_{\mu} au^{I}q_{3} ight angle \left\langle ar{q}_{1}\gamma^{\mu} au^{I}q_{3} ight angle$	$\stackrel{ ext{C}}{\sim}$
qq3_1322	$\left(ar{q}_1 \gamma_\mu au^I_{ q} q_3 \right) \left(ar{q}_2 \gamma^\mu au^I_{ q} q_2 \right)$	C
qq3_1323	$\left(ar{q}_1\gamma_\mu au^I_{q}q_3 ight)\left(ar{q}_2\gamma^\mu au^I_{q}q_3 ight)$	C
qq3_1331	$\left(ar{q}_1\gamma_\mu au^I_{q}q_3 ight)\left(ar{q}_3\gamma^\mu au^I_{q}q_1 ight)$	R
qq3_1332	$\left(ar{q}_1\gamma_\mu au^Iq_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_2 ight)$	C
qq3_1333	$\left(ar{q}_1\gamma_\mu au^I_{I}q_3 ight)\left(ar{q}_3\gamma^\mu_{} au^I_{I}q_3 ight)$	С
qq3_2222	$\left(ar{q}_2\gamma_\mu au^I_{q}q_2 ight)\left(ar{q}_2\gamma^\mu au^I_{q}q_2 ight)$	R
qq3_2223	$\left(ar{q}_2\gamma_\mu au^I_{q}q_2 ight)\left(ar{q}_2\gamma^\mu au^I_{q}q_3 ight)$	C
qq3_2233	$\left(ar{q}_2\gamma_\mu au^I_{q}q_2 ight)\left(ar{q}_3\gamma^\mu au^I_{q}q_3 ight)$	R
qq3_2323	$\left(ar{q}_2\gamma_\mu au^Iq_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$

WC name	Operator	Type
qq3_2332	$\left(ar{q}_2\gamma_\mu au^Iq_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_2 ight)$	R
qq3_2333	$\left(ar{q}_{2}\gamma_{\mu} au^{I}q_{3} ight)\left(ar{q}_{3}\gamma^{\mu} au^{I}q_{3} ight)$	$^{\mathrm{C}}$
qq3_3333	$\left(ar{q}_3\gamma_{\mu} au^Iq_3 ight)\left(ar{q}_3\gamma^{\mu} au^Iq_3 ight)$	R
lq1_1111	$\left(ar{\ell}_1 \gamma_\mu \ell_1 ight) \left(ar{q}_1 \gamma^\mu q_1 ight)$	R
lq1_1112	$\left(\ell_1\gamma_\mu\ell_1 ight)\left(ar{q}_1\gamma^\mu q_2 ight)$	\mathbf{C}
lq1_1113	$\left(\ell_1 \gamma_\mu \ell_1 ight) \left(ar{q}_1 \gamma^\mu q_3 ight)$	\mathbf{C}
lq1_1122	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	${ m R}$
lq1_1123	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{q}_2\gamma^\mu q_3 ight)$	\mathbf{C}
lq1_1133	$\left(\ell_1\gamma_\mu\ell_1 ight)\left(ar{q}_3\gamma^\mu q_3 ight)$	R
lq1_1211	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_1 ight)$	\mathbf{C}
lq1_1212	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_2 ight)$	\mathbf{C}
lq1_1213	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_3 ight)$	$^{\mathrm{C}}$
lq1_1221	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_2\gamma^\mu q_1 ight)$	\mathbf{C}
lq1_1222	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	C
lq1_1223	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_2\gamma^\mu q_3 ight)$	C
lq1_1231	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_3\gamma^\mu q_1 ight)$	C
lq1_1232	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_3\gamma^\mu q_2 ight)$	$^{\mathrm{C}}$
lq1_1233	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{q}_3\gamma^\mu q_3 ight)$	$^{\mathrm{C}}$
lq1_1311	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_1 ight)$	$^{\mathrm{C}}$
lq1_1312	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_2 ight)$	$^{\mathrm{C}}$
lq1_1313	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_3 ight)$	$^{\mathrm{C}}$
lq1_1321	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_2\gamma^\mu q_1 ight)$	$^{\mathrm{C}}$
lq1_1322	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	$^{\mathrm{C}}$
lq1_1323	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_2\gamma^\mu q_3 ight)$	$^{\mathrm{C}}$
lq1_1331	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_3\gamma^\mu q_1 ight)$	$^{\mathrm{C}}$
lq1_1332	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_3\gamma^\mu q_2 ight)$	$^{\mathrm{C}}$
lq1_1333	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{q}_3\gamma^\mu q_3 ight)$	$^{\mathrm{C}}$
lq1_2211	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{q}_1\gamma^\mu q_1 ight)$	${ m R}$
lq1_2212	$(ar{\ell}_2\gamma_\mu\ell_2)(ar{q}_1\gamma^\mu q_2)$	$^{\mathrm{C}}$
lq1_2213	$(ar{\ell}_2\gamma_\mu\ell_2)(ar{q}_1\gamma^\mu q_3)$	\mathbf{C}
lq1_2222	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	R
lq1_2223	$(ar{\ell}_2\gamma_\mu\ell_2)(ar{q}_2\gamma^\mu q_3)$	\mathbf{C}
lq1_2233	$(ar{\ell}_2\gamma_\mu\ell_2)(ar{q}_3\gamma^\mu q_3)$	R
lq1_2311	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_1 ight)$	\mathbf{C}
lq1_2312	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_2 ight)$	\mathbf{C}
lq1_2313	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_3 ight)$	\mathbf{C}
1q1_2321	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{q}_2\gamma^\mu q_1 ight)$	\mathbf{C}
lq1_2322	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{q}_2\gamma^\mu q_2)$	\mathbf{C}
1q1_2323	$(ar\ell_2\gamma_\mu\ell_3)(ar q_2\gamma^\mu q_3)$	\mathbf{C}
lq1_2331	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{q}_3\gamma^\mu q_1)$	\mathbf{C}
1q1_2332	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{q}_3\gamma^\mu q_2)$	\mathbf{C}
lq1_2333	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{q}_3\gamma^\mu q_3 ight)$	\mathbf{C}

WC name	Operator	Туре
1q1_3311	$\left(\bar{\ell}_3\gamma_\mu\ell_3\right)\left(\bar{q}_1\gamma^\mu q_1\right)$	R
lq1_3312	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_2 ight)$	$^{\mathrm{C}}$
lq1_3313	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{q}_1\gamma^\mu q_3 ight)$	C
lq1_3322	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{q}_2\gamma^\mu q_2 ight)$	R
lq1_3323	$(\bar{\ell}_3\gamma_\mu\ell_3)(ar{q}_2\gamma^\mu q_3)$	$^{\mathrm{C}}$
lq1_3333	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{q}_3\gamma^\mu q_3 ight)$	R
lq3_1111	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_1\gamma^\mu au^Iq_1 ight)$	R
lq3_1112	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_1\gamma^\mu au^Iq_2 ight)$	$^{\mathrm{C}}$
lq3_1113	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1122	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_2\gamma^\mu au^Iq_2 ight)$	${ m R}$
lq3_1123	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	\mathbf{C}
lq3_1133	$\left(ar{\ell}_1\gamma_\mu au^I\ell_1 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	R
lq3_1211	$\left(ar{\ell}_1\gamma_{\mu} au^I\ell_2 ight)\left(ar{q}_1\gamma^{\mu} au^Iq_1 ight)$	\mathbf{C}
lq3_1212	$\left(ar{\ell}_1\gamma_{\mu} au^I\ell_2 ight)\left(ar{q}_1\gamma^{\mu} au^Iq_2 ight)$	\mathbf{C}
lq3_1213	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1221	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_1 ight)$	$^{\mathrm{C}}$
lq3_1222	$\left(ar{\ell}_1\gamma_{\mu} au^I\ell_2 ight)\left(ar{q}_2\gamma^{\mu} au^Iq_2 ight)$	\mathbf{C}
lq3_1223	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1231	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_1 ight)$	\mathbf{C}
lq3_1232	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_2 ight)$	$^{\mathrm{C}}$
lq3_1233	$\left(ar{\ell}_1\gamma_\mu au^I\ell_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1311	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_1 ight)$	$^{\mathrm{C}}$
lq3_1312	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_2 ight)$	\mathbf{C}
lq3_1313	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
lq3_1321	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_1 ight)$	\mathbf{C}
1q3_1322	$\left(ar{\ell}_1\gamma_{\mu} au^I\ell_3 ight)\left(ar{q}_2\gamma^{\mu} au^Iq_2 ight)$	С
lq3_1323	$\left(ar{\ell}_1\gamma_{\mu} au^I\ell_3 ight)\left(ar{q}_2\gamma^{\mu} au^Iq_3 ight)$	C
lq3_1331	$\left(ar{\ell}_{1}\gamma_{\mu} au^{I}\ell_{3} ight)\left(ar{q}_{3}\gamma^{\mu} au^{I}q_{1} ight)$	С
1q3_1332	$\left(ar{\ell}_1\gamma_\mu au^I\ell_3 ight)\left(ar{q}_3\gamma^\mu au^Iq_2 ight)$	С
lq3_1333	$\left(ar{\ell}_1\gamma_{\mu} au^I\ell_3 ight)\left(ar{q}_3\gamma^{\mu} au^Iq_3 ight)$	$^{\mathrm{C}}$
1q3_2211	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^Iq_1 ight)$	R
1q3_2212	$\left(ar{\ell}_{2}\gamma_{\mu} au^{I}\ell_{2} ight)\left(ar{q}_{1}\gamma^{\mu} au^{I}q_{2} ight)$	С
1q3_2213	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$
1q3_2222	$\left(\ell_2 \gamma_\mu au^I \ell_2 ight) \left(ar{q}_2 \gamma^\mu au^I q_2 ight)$	${ m R}$
1q3_2223	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	С
1q3_2233	$\left(ar{\ell}_2\gamma_\mu au^I\ell_2 ight)\left(ar{q}_3\gamma^\mu au^Iq_3 ight)$	${ m R}$
1q3_2311	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_1 ight)$	С
lq3_2312	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_2 ight)$	C
lq3_2313	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_1\gamma^\mu au^Iq_3 ight)$	C
lq3_2321	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_1 ight)$	C
1q3_2322	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_2 ight)$	$^{\mathrm{C}}$
1q3_2323	$\left(ar{\ell}_2\gamma_\mu au^I\ell_3 ight)\left(ar{q}_2\gamma^\mu au^Iq_3 ight)$	$^{\mathrm{C}}$

WC name	Operator	Type
1q3_2331	$(ar{\ell}_2\gamma_\mu au^I\ell_3)~(ar{q}_3\gamma^\mu au^Iq_1)$	C
1q3_2332	$(ar{\ell}_2\gamma_\mu au^I\ell_3)(ar{q}_3\gamma^\mu au^Iq_2)$	С
1q3_2333	$(ar{\ell}_2\gamma_\mu au^I\ell_3)(ar{q}_3\gamma^\mu au^Iq_3)$	С
1q3_3311	$(ar{\ell}_3\gamma_\mu au^I\ell_3)(ar{q}_1\gamma^\mu au^Iq_1)$	R
1q3_3312	$(ar{\ell}_3\gamma_\mu au^I\ell_3)(ar{q}_1\gamma^\mu au^Iq_2)$	С
1q3_3313	$(ar{\ell}_3\gamma_\mu au^I\ell_3) (ar{q}_1\gamma^\mu au^Iq_3)$	C
1q3_3322	$(ar{\ell}_3\gamma_\mu au^I\ell_3)(ar{q}_2\gamma^\mu au^Iq_2)$	R
1q3_3323	$(ar{\ell}_3\gamma_\mu au^I\ell_3)(ar{q}_2\gamma^\mu au^Iq_3)$	C
1q3_3333	$(ar{\ell}_3\gamma_\mu au^I\ell_3) (ar{q}_3\gamma^\mu au^Iq_3)$	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	$(ar{e}_1\gamma_\mu e_1)(ar{e}_2\gamma^\mu e_3)$	\mathbf{C}
ee_1133	$(\bar{e}_1\gamma_\mu e_1)(\bar{e}_3\gamma^\mu e_3)$	R
ee_1212	$(ar{e}_1\gamma_\mu e_2)(ar{e}_1\gamma^\mu e_2)$	\mathbf{C}
ee_1213	$(ar{e}_1\gamma_{\mu}e_2)(ar{e}_1\gamma^{\mu}e_3)$	\mathbf{C}
ee_1222	$(ar{e}_1\gamma_{\mu}e_2)(ar{e}_2\gamma^{\mu}e_2)$	\mathbf{C}
ee_1223	$(ar{e}_1\gamma_\mu e_2)(ar{e}_2\gamma^\mu e_3)$	\mathbf{C}
ee_1232	$(ar{e}_1\gamma_\mu e_2)(ar{e}_3\gamma^\mu e_2)$	\mathbf{C}
ee_1233	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	\mathbf{C}
ee_1313	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{e}_1\gamma^{\mu}e_3 ight)$	\mathbf{C}
ee_1323	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	\mathbf{C}
ee_1333	$\left(ar{e}_1\gamma_{\mu}e_3 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
ee_2222	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{e}_2\gamma^{\mu}e_2 ight)$	R
ee_2223	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	С
ee_2233	$\left(ar{e}_2\gamma_{\mu}e_2 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	R
ee_2323	$\left(ar{e}_2\gamma_{\mu}e_3 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	\mathbf{C}
ee_2333	$\left(ar{e}_2\gamma_{\mu}e_3 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	\mathbf{C}
ee_3333	$(ar{e}_3\gamma_{\mu}e_3)(ar{e}_3\gamma^{\mu}e_3)$	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	$(\bar{u}_1\gamma_\mu u_1)(\bar{u}_1\gamma^\mu u_3)$	С
uu_1122	$(\bar{u}_1\gamma_\mu u_1)(\bar{u}_2\gamma^\mu u_2)$	R
uu_1123	$(\bar{u}_1\gamma_\mu u_1)(\bar{u}_2\gamma^\mu u_3)$	\mathbf{C}
uu_1133	$(\bar{u}_1\gamma_\mu u_1)(\bar{u}_3\gamma^\mu u_3)$	R
uu_1212	$(\bar{u}_1\gamma_\mu u_2)(\bar{u}_1\gamma^\mu u_2)$	С
uu_1213	$\left(ar{u}_1\gamma_{\mu}u_2 ight)\left(ar{u}_1\gamma^{\mu}u_3 ight)$	С
uu_1221	$(\bar{u}_1\gamma_\mu u_2)(\bar{u}_2\gamma^\mu u_1)$	R
uu_1222	$(\bar{u}_1\gamma_\mu u_2)(\bar{u}_2\gamma^\mu u_2)$	С
uu_1223	$(\bar{u}_1\gamma_\mu u_2)(\bar{u}_2\gamma^\mu u_3)$	С
uu_1231	$(ar{u}_1\gamma_\mu u_2)(ar{u}_3\gamma^\mu u_1)$	С
uu_1232	$(\bar{u}_1\gamma_\mu u_2)(\bar{u}_3\gamma^\mu u_2)$	С
uu_1233	$(\bar{u}_1\gamma_\mu u_2)(\bar{u}_3\gamma^\mu u_3)$	\mathbf{C}

WC name	Operator	Type
uu_1313	$(\bar{u}_1\gamma_\mu u_3)(\bar{u}_1\gamma^\mu u_3)$	C
uu_1322	$\left(\bar{u}_1\gamma_{\mu}u_3\right)\left(\bar{u}_2\gamma^{\mu}u_2\right)$	\mathbf{C}
uu_1323	$(\bar{u}_1\gamma_\mu u_3)(\bar{u}_2\gamma^\mu u_3)$	$^{\mathrm{C}}$
uu_1331	$\left(ar{u}_1 \gamma_\mu u_3 \right) \left(ar{u}_3 \gamma^\mu u_1 \right)$	R
uu_1332	$(ar{u}_1\gamma_\mu u_3)(ar{u}_3\gamma^\mu u_2)$	C
uu_1333	$(ar{u}_1\gamma_\mu u_3)(ar{u}_3\gamma^\mu u_3)$	C
uu_2222	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{u}_2\gamma^{\mu}u_2 ight)$	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	$(ar{u}_2\gamma_\mu u_3)(ar{u}_2\gamma^\mu u_3)$	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	$(ar{u}_3\gamma_\mu u_3)(ar{u}_3\gamma^\mu u_3)$	R
dd_1111	$\left(ar{d}_{1}\gamma_{\mu}d_{1} ight)\left(ar{d}_{1}\gamma^{\mu}d_{1} ight)$	R
dd_1112	$\left(ar{d}_{1}\gamma_{\mu}d_{1} ight)\left(ar{d}_{1}\gamma^{\mu}d_{2} ight)$	С
dd_1113	$\left(ar{d}_1 \gamma_\mu d_1 ight) \left(ar{d}_1 \gamma^\mu d_3 ight)$	\mathbf{C}
dd_1122	$\left(ar{d}_1\gamma_{\mu}d_1 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R
dd_1123	$\left(ar{d}_1\gamma_{\mu}d_1 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
dd_1133	$\left(ar{d}_1\gamma_{\mu}d_1 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	R
dd_1212	$\left(ar{d}_1\gamma_\mu d_2 ight)\left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
dd_1213	$\left(ar{d}_1\gamma_\mu d_2 ight)\left(ar{d}_1\gamma^\mu d_3 ight)$	\mathbf{C}
dd_1221	$(ar{d}_1\gamma_\mu d_2) (ar{d}_2\gamma^\mu d_1)$	R
dd_1222	$\left(ar{d}_1\gamma_\mu d_2 ight)\left(ar{d}_2\gamma^\mu d_2 ight)$	\mathbf{C}
dd_1223	$\left(ar{d}_1\gamma_\mu d_2 ight)\left(ar{d}_2\gamma^\mu d_3 ight)$	\mathbf{C}
dd_1231	$\left(ar{d}_1\gamma_\mu d_2 ight)\left(ar{d}_3\gamma^\mu d_1 ight)$	\mathbf{C}
_ dd_1232	$\left(ar{d}_1\gamma_\mu d_2 ight)\left(ar{d}_3\gamma^\mu d_2 ight)$	\mathbf{C}
_ dd_1233	$\left(ar{d}_1\gamma_\mu d_2 ight)\left(ar{d}_3\gamma^\mu d_3 ight)$	\mathbf{C}
dd_1313	$(ar{d}_1\gamma_\mu d_3) (ar{d}_1\gamma^\mu d_3)$	C
dd_1322	$(ar{d}_1\gamma_\mu d_3)(ar{d}_2\gamma^\mu d_2)$	C
dd_1323	$ig(ar{d}_1\gamma_\mu d_3ig)ig(ar{d}_2\gamma^\mu d_3ig)$	C
dd_1331	$egin{pmatrix} (ar{d}_1\gamma_\mu d_3) & (ar{d}_3\gamma^\mu d_1) \end{pmatrix}$	R
dd_1332	$(ar{d}_1\gamma_\mu a_3) (ar{d}_3\gamma^\mu a_1) \ (ar{d}_1\gamma_\mu d_3) (ar{d}_3\gamma^\mu d_2)$	C
dd_1333	$(ar{d}_1\gamma_\mu a_3) (ar{d}_3\gamma^\mu a_2) \ (ar{d}_1\gamma_\mu d_3) (ar{d}_3\gamma^\mu d_3)$	$\overset{\circ}{\mathrm{C}}$
dd_2222	$(ar{d}_1\gamma_\mu a_3) (ar{d}_3\gamma^\mu a_3) \ (ar{d}_2\gamma_\mu d_2) (ar{d}_2\gamma^\mu d_2)$	$\overset{\circlearrowleft}{\mathrm{R}}$
dd_2223	$(ar{d}_2\gamma_\mu a_2) (ar{d}_2\gamma^\mu a_3) \ (ar{d}_2\gamma_\mu d_2) (ar{d}_2\gamma^\mu d_3)$	C
dd_2233	$(ar{d}_2\gamma_\mu a_2) (ar{d}_2\gamma^\mu a_3) \ (ar{d}_2\gamma_\mu d_2) (ar{d}_3\gamma^\mu d_3)$	$\overset{\circlearrowleft}{\mathrm{R}}$
dd_2323	$(ar{d}_2\gamma_\mu d_2) (ar{d}_3\gamma^\mu d_3) \ (ar{d}_2\gamma_\mu d_3) (ar{d}_2\gamma^\mu d_3)$	$\stackrel{\mathbf{R}}{\mathrm{C}}$
dd_2332	$egin{array}{l} (a_2\gamma_\mu a_3) \ (a_2\gamma^\mu a_3) \ (ar{d}_2\gamma_\mu d_3) \ (ar{d}_3\gamma^\mu d_2) \end{array}$	R
	$egin{array}{l} (a_2\gamma_\mu a_3) \; (a_3\gamma^\mu a_2) \ (ar{d}_2\gamma_\mu d_3) \; (ar{d}_3\gamma^\mu d_3) \end{array}$	C C
dd_2333		
dd_3333	$(ar{d}_3\gamma_\mu d_3) \ (ar{d}_3\gamma^\mu d_3)$	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 C
eu_1113	$(\bar{e}_1\gamma_{\mu}e_1)(\bar{u}_1\gamma^{\mu}u_3)$	C

$\begin{array}{c} \text{eu_1122} & (\bar{e}_1\gamma_{\mu}e_1)(\bar{u}_2\gamma^{\mu}u_2) \\ \text{eu_1123} & (\bar{e}_1\gamma_{\mu}e_1)(\bar{u}_2\gamma^{\mu}u_3) \\ \text{eu_1133} & (\bar{e}_1\gamma_{\mu}e_1)(\bar{u}_3\gamma^{\mu}u_3) \\ \text{eu_1211} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_1) \\ (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_1212} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_1213} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_1221} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_2\gamma^{\mu}u_2) \\ \text{eu_1221} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_2\gamma^{\mu}u_2) \\ \text{eu_1222} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_2\gamma^{\mu}u_2) \\ \text{eu_1223} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_2\gamma^{\mu}u_2) \\ \text{eu_1231} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_3\gamma^{\mu}u_2) \\ \text{eu_1232} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_3\gamma^{\mu}u_2) \\ \text{eu_1233} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_3\gamma^{\mu}u_2) \\ \text{eu_1233} & (\bar{e}_1\gamma_{\mu}e_2)(\bar{u}_3\gamma^{\mu}u_3) \\ \text{eu_1331} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_1312} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_1312} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_1313} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_2\gamma^{\mu}u_1) \\ \text{eu_1322} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_2\gamma^{\mu}u_2) \\ \text{eu_1323} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_2\gamma^{\mu}u_2) \\ \text{eu_1323} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_2\gamma^{\mu}u_3) \\ \text{eu_1323} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_3\gamma^{\mu}u_2) \\ \text{eu_1323} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_3\gamma^{\mu}u_3) \\ \text{eu_1323} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_3\gamma^{\mu}u_3) \\ \text{eu_1333} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_3\gamma^{\mu}u_3) \\ \text{eu_1332} & (\bar{e}_1\gamma_{\mu}e_3)(\bar{u}_3\gamma^{\mu}u_3) \\ \text{eu_2111} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_1) \\ \text{eu_2212} & (\bar{e}_2\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2213} & (\bar{e}_2\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2222} & (\bar{e}_2\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2223} & (\bar{e}_2\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2233} & (\bar{e}_2\gamma_{\mu}e_2)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2331} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_2331} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2321} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2322} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2322} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2322} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_3) \\ \text{eu_2322} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_2323} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_2322} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1\gamma^{\mu}u_2) \\ \text{eu_2323} & (\bar{e}_2\gamma_{\mu}e_3)(\bar{u}_1$
$\begin{array}{c} \text{eu_1133} & (\bar{e}_1\gamma_{\mu}e_1) (\bar{u}_3\gamma^{\mu}u_3) & \text{R} \\ \text{eu_1211} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_1\gamma^{\mu}u_1) & \text{C} \\ \text{eu_1212} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1213} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_1\gamma^{\mu}u_3) & \text{C} \\ \text{eu_1221} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_2\gamma^{\mu}u_1) & \text{C} \\ \text{eu_1222} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_2\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1223} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_2\gamma^{\mu}u_3) & \text{C} \\ \text{eu_1231} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_3\gamma^{\mu}u_1) & \text{C} \\ \text{eu_1232} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_3\gamma^{\mu}u_1) & \text{C} \\ \text{eu_1233} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_3\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1233} & (\bar{e}_1\gamma_{\mu}e_2) (\bar{u}_3\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1311} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_1) & \text{C} \\ \text{eu_1312} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_1) & \text{C} \\ \text{eu_1312} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1313} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_3) & \text{C} \\ \text{eu_1321} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_2\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1322} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_2\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1322} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_2\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1323} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_3\gamma^{\mu}u_1) & \text{C} \\ \text{eu_1332} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_3\gamma^{\mu}u_1) & \text{C} \\ \text{eu_1332} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_3\gamma^{\mu}u_2) & \text{C} \\ \text{eu_1333} & (\bar{e}_1\gamma_{\mu}e_3) (\bar{u}_3\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2111} & (\bar{e}_2\gamma_{\mu}e_2) (\bar{u}_1\gamma^{\mu}u_1) & \text{R} \\ \text{eu_2212} & (\bar{e}_2\gamma_{\mu}e_2) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2213} & (\bar{e}_2\gamma_{\mu}e_2) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2223} & (\bar{e}_2\gamma_{\mu}e_2) (\bar{u}_1\gamma^{\mu}u_3) & \text{C} \\ \text{eu_2233} & (\bar{e}_2\gamma_{\mu}e_2) (\bar{u}_3\gamma^{\mu}u_3) & \text{R} \\ \text{eu_2311} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_1) & \text{C} \\ \text{eu_2312} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2313} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2312} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2322} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2322} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2322} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_1\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2323} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_2\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2323} & (\bar{e}_2\gamma_{\mu}e_3) (\bar{u}_2\gamma^{\mu}u_2) & \text{C} \\ \text{eu_2323} & (\bar{e}_2\gamma_{$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
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_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_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) \left(\bar{d}_1 \gamma^\mu d_1 \right) $ R
ed_1112 $ (\bar{e}_1 \gamma_\mu e_1) \left(\bar{d}_1 \gamma^\mu d_2 \right) $ C

WC name	Operator	Type
ed_1113	$(ar{e}_1\gamma_\mu e_1) \left(ar{d}_1\gamma^\mu d_3 ight)$	C
ed_1122	$(ar{e}_1\gamma_{\mu}e_1)(ar{d}_2\gamma^{\mu}d_2)$	\mathbf{R}
ed_1123	$(ar{e}_1\gamma_{\mu}e_1)(ar{d}_2\gamma^{\mu}d_3)$	\mathbf{C}
ed_1133	$(ar{e}_1\gamma_{\mu}e_1)(ar{d}_3\gamma^{\mu}d_3)$	\mathbf{R}
ed_1211	$(ar{e}_1\gamma_{\mu}e_2)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1212	$(ar{e}_1\gamma_{\mu}e_2)ig(ar{d}_1\gamma^{\mu}d_2ig)$	\mathbf{C}
ed_1213	$(ar{e}_1\gamma_\mu e_2)ig(ar{d}_1\gamma^\mu d_3ig)$	\mathbf{C}
ed_1221	$(ar{e}_1\gamma_{\mu}e_2)\left(ar{d}_2\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1222	$(ar{e}_1\gamma_{\mu}e_2)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	\mathbf{C}
ed_1223	$(ar{e}_1\gamma_{\mu}e_2)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_1231	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{d}_3\gamma^{\mu}d_1 ight)$	$^{\mathrm{C}}$
ed_1232	$\left(ar{e}_1\gamma_{\mu}e_2 ight)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	\mathbf{C}
ed_1233	$(ar{e}_1\gamma_{\mu}e_2)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_1311	$(ar{e}_1\gamma_{\mu}e_3)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1312	$(ar{e}_1\gamma_{\mu}e_3)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	\mathbf{C}
ed_1313	$(ar{e}_1\gamma_\mu e_3)\left(ar{d}_1\gamma^\mu d_3 ight)$	\mathbf{C}
ed_1321	$(ar{e}_1\gamma_{\mu}e_3)\left(ar{d}_2\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1322	$(\bar{e}_1\gamma_\mu e_3)\left(\bar{d}_2\gamma^\mu d_2\right)$	\mathbf{C}
ed_1323	$(ar{e}_1\gamma_{\mu}e_3)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
ed_1331	$(ar{e}_1\gamma_{\mu}e_3)\left(ar{d}_3\gamma^{\mu}d_1 ight)$	\mathbf{C}
ed_1332	$(ar{e}_1\gamma_{\mu}e_3)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	\mathbf{C}
ed_1333	$(ar{e}_1\gamma_{\mu}e_3)(ar{d}_3\gamma^{\mu}d_3)$	\mathbf{C}
ed_2211	$(ar{e}_2\gamma_\mu e_2) \left(ar{d}_1\gamma^\mu d_1 \right)$	R
ed_2212	$(ar{e}_2\gamma_\mu e_2) \left(ar{d}_1\gamma^\mu d_2 ight)$	С
ed_2213	$(ar{e}_2\gamma_\mu e_2) \left(ar{d}_1\gamma^\mu d_3 \right)$	\mathbf{C}
ed_2222	$(ar{e}_2\gamma_\mu e_2)\left(ar{d}_2\gamma^\mu d_2 ight)$	R
ed_2223	$(ar{e}_2\gamma_\mu e_2) \left(ar{d}_2\gamma^\mu d_3 ight)$	\mathbf{C}
ed_2233	$(ar{e}_2\gamma_\mu e_2)\left(ar{d}_3\gamma^\mu d_3 ight)$	R
ed_2311	$(\bar{e}_2\gamma_\mu e_3)(\underline{d}_1\gamma^\mu d_1)$	C
ed_2312	$(\bar{e}_2\gamma_\mu e_3) \left(d_1\gamma^\mu d_2 \right)$	C
ed_2313	$(\bar{e}_2\gamma_\mu e_3) \left(d_1\gamma^\mu d_3\right)$	C
ed_2321	$(\bar{e}_2\gamma_\mu e_3) \left(\bar{d}_2\gamma^\mu d_1 \right)$	C
ed_2322	$(ar{e}_2\gamma_\mu e_3) \left(d_2\gamma^\mu d_2 ight)$	C
ed_2323	$(ar{e}_2\gamma_\mu e_3) \left(d_2\gamma^\mu d_3 ight)$	C
ed_2331	$(ar{e}_2\gamma_\mu e_3)\left(ar{d}_3\gamma^\mu d_1 ight)$	С
ed_2332	$(ar{e}_2\gamma_\mu e_3) \left(ar{d}_3\gamma^\mu d_2 ight)$	C
ed_2333	$(\bar{e}_2\gamma_\mu e_3)(\bar{d}_3\gamma^\mu d_3)$	С
ed_3311	$(\bar{e}_3\gamma_{\mu}e_3)(\bar{d}_1\gamma^{\mu}d_1)$	R
ed_3312	$(ar{e}_3\gamma_\mu e_3) \left(ar{d}_1\gamma^\mu d_2\right)$	С
ed_3313	$(\bar{e}_3\gamma_\mu e_3) \left(\bar{d}_1\gamma^\mu d_3\right)$	С
ed_3322	$(ar{e}_3\gamma_\mu e_3) \left(ar{d}_2\gamma^\mu d_2\right)$	R
ed_3323	$\left(ar{e}_3\gamma_{\mu}e_3 ight)\left(d_2\gamma^{\mu}d_3 ight)$	С

WC name	Operator	Type
ed_3333	$(ar{e}_3\gamma_\mu e_3)ig(ar{d}_3\gamma^\mu d_3ig)$	R
ud1_1111	$(ar{u}_1\gamma_\mu u_1) \left(ar{d}_1\gamma^\mu d_1 ight)$	${ m R}$
ud1_1112	$(\bar{u}_1\gamma_\mu u_1)(\bar{d}_1\gamma^\mu d_2)$	\mathbf{C}
ud1_1113	$(ar{u}_1\gamma_\mu u_1)ig(ar{d}_1\gamma^\mu d_3ig)$	\mathbf{C}
ud1_1122	$(ar{u}_1\gamma_\mu u_1)(ar{d}_2\gamma^\mu d_2)$	R
ud1_1123	$(ar{u}_1\gamma_\mu u_1)(ar{d}_2\gamma^\mu d_3)$	\mathbf{C}
ud1_1133	$(ar{u}_1\gamma_\mu u_1)(ar{d}_3\gamma^\mu d_3)$	R
ud1_1211	$(ar{u}_1\gamma_{\mu}u_2)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	\mathbf{C}
ud1_1212	$(ar{u}_1\gamma_\mu u_2)ig(ar{d}_1\gamma^\mu d_2ig)$	\mathbf{C}
ud1_1213	$(ar{u}_1\gamma_\mu u_2)(ar{d}_1\gamma^\mu d_3)$	$^{\mathrm{C}}$
ud1_1221	$(ar{u}_1\gamma_\mu u_2)\left(ar{d}_2\gamma^\mu d_1 ight)$	\mathbf{C}
ud1_1222	$(ar{u}_1\gamma_\mu u_2)ig(ar{d}_2\gamma^\mu d_2ig)$	\mathbf{C}
ud1_1223	$(ar{u}_1\gamma_\mu u_2)ig(ar{d}_2\gamma^\mu d_3ig)$	$^{\mathrm{C}}$
ud1_1231	$(ar{u}_1\gamma_\mu u_2)ig(ar{d}_3\gamma^\mu d_1ig)$	\mathbf{C}
ud1_1232	$(ar{u}_1\gamma_\mu u_2)\left(ar{d}_3\gamma^\mu d_2 ight)$	$^{\mathrm{C}}$
ud1_1233	$(ar{u}_1\gamma_\mu u_2)ig(ar{d}_3\gamma^\mu d_3ig)$	\mathbf{C}
ud1_1311	$(ar{u}_1\gamma_\mu u_3)ig(ar{d}_1\gamma^\mu d_1ig)$	$^{\mathrm{C}}$
ud1_1312	$(ar{u}_1\gamma_\mu u_3)\left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
ud1_1313	$(ar{u}_1\gamma_\mu u_3)\left(ar{d}_1\gamma^\mu d_3 ight)$	C
ud1_1321	$(ar{u}_1\gamma_\mu u_3)ig(ar{d}_2\gamma^\mu d_1ig)$	$^{\mathrm{C}}$
ud1_1322	$(ar{u}_1\gamma_\mu u_3)\left(ar{d}_2\gamma^\mu d_2 ight)$	$^{\mathrm{C}}$
ud1_1323	$(ar{u}_1\gamma_{\mu}u_3)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ud1_1331	$\left(ar{u}_1\gamma_{\mu}u_3 ight)\left(ar{d}_3\gamma^{\mu}d_1 ight)$	$^{\mathrm{C}}$
ud1_1332	$\left(ar{u}_1\gamma_{\mu}u_3 ight)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
ud1_1333	$\left(ar{u}_1\gamma_{\mu}u_3 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ud1_2211	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	R
ud1_2212	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
ud1_2213	$(ar{u}_2\gamma_\mu u_2)\left(ar{d}_1\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
ud1_2222	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R
ud1_2223	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ud1_2233	$\left(ar{u}_2\gamma_{\mu}u_2 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	R
ud1_2311	$\left(ar{u}_2\gamma_{\mu}u_3 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	$^{\mathrm{C}}$
ud1_2312	$\left(ar{u}_2\gamma_{\mu}u_3 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
ud1_2313	$\left(ar{u}_2\gamma_{\mu}u_3 ight)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ud1_2321	$(ar{u}_2\gamma_\mu u_3)\left(ar{d}_2\gamma^\mu d_1 ight)$	$^{\mathrm{C}}$
ud1_2322	$\left(ar{u}_2\gamma_{\mu}u_3 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
ud1_2323	$\left(ar{u}_2\gamma_{\mu}u_3 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
ud1_2331	$(ar{u}_2\gamma_\mu u_3)\left(ar{d}_3\gamma^\mu d_1 ight)$	$^{\mathrm{C}}$
ud1_2332	$(ar{u}_2\gamma_\mu u_3)\left(ar{d}_3\gamma^\mu d_2 ight)$	$^{\mathrm{C}}$
ud1_2333	$(ar{u}_2\gamma_\mu u_3) \left(ar{d}_3\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
ud1_3311	$(ar{u}_3\gamma_\mu u_3)\left(ar{d}_1\gamma^\mu d_1 ight)$	R
ud1_3312	$\left(ar{u}_3\gamma_{\mu}u_3 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	C

WC name	Operator	Type
ud1_3313	$(ar{u}_3\gamma_\mu u_3)ig(ar{d}_1\gamma^\mu d_3ig)$	C
ud1_3322	$egin{array}{c} (ar{u}_3\gamma_\mu u_3) \left(ar{d}_2\gamma^\mu d_2 ight) \end{array}$	R
ud1_3323	$(ar{u}_3\gamma_\mu u_3) \left(ar{d}_2\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
ud1_3333	$(ar{u}_3\gamma_\mu u_3)(ar{d}_3\gamma^\mu d_3)$	${ m R}$
ud8_1111	$ig(ar{u}_1\gamma_\mu T^A u_1ig) ig(ar{d}_1\gamma^\mu T^A d_1ig)$	R
ud8_1112	$ig(ar{u}_1\gamma_\mu T^A u_1ig)ig(ar{d}_1\gamma^\mu T^A d_2ig)$	$^{\mathrm{C}}$
ud8_1113	$egin{pmatrix} (ar{u}_1\gamma_\mu T^A u_1) & (ar{d}_1\gamma^\mu T^A d_3) \end{pmatrix}$	$^{\mathrm{C}}$
ud8_1122	$\left(ar{u}_1\gamma_\mu T^A u_1 ight)\left(ar{d}_2\gamma^\mu T^A d_2 ight)$	${ m R}$
ud8_1123	$\left(ar{u}_1\gamma_\mu T^A u_1 ight)\left(ar{d}_2\gamma^\mu T^A d_3 ight)$	$^{\mathrm{C}}$
ud8_1133	$(\bar{u}_1\gamma_\mu T^A u_1)(\bar{d}_3\gamma^\mu T^A d_3)$	${ m R}$
ud8_1211	$egin{pmatrix} (ar{u}_1\gamma_\mu T^A u_2) & (ar{d}_1\gamma^\mu T^A d_1) \end{pmatrix}$	\mathbf{C}
ud8_1212	$\left(ar{u}_1\gamma_{\mu}T^Au_2 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_2 ight)$	\mathbf{C}
ud8_1213	$\left(\bar{u}_1\gamma_{\mu}T^Au_2\right)\left(\bar{d}_1\gamma^{\mu}T^Ad_3\right)$	\mathbf{C}
ud8_1221	$\left(ar{u}_1\gamma_\mu T^A u_2 ight)\left(ar{d}_2\gamma^\mu T^A d_1 ight)$	\mathbf{C}
ud8_1222	$\left\langle ar{u}_1 \gamma_\mu T^A u_2 ight angle \left\langle ar{d}_2 \gamma^\mu T^A d_2 ight angle$	\mathbf{C}
ud8_1223	$\left\langle ar{u}_1 \gamma_\mu T^A u_2 ight angle \left\langle ar{d}_2 \gamma^\mu T^A d_3 ight angle$	\mathbf{C}
ud8_1231	$\left(ar{u}_1\gamma_\mu T^A u_2 ight)\left(ar{d}_3\gamma^\mu T^A d_1 ight)$	\mathbf{C}
ud8_1232	$\left\langle ar{u}_1 \gamma_\mu T^A u_2 ight angle \left\langle ar{d}_3 \gamma^\mu T^A d_2 ight angle$	\mathbf{C}
ud8_1233	$(\bar{u}_1\gamma_\mu T^A u_2)(\bar{d}_3\gamma^\mu T^A d_3)$	\mathbf{C}
ud8_1311	$(\bar{u}_1\gamma_{\mu}T^Au_3)(\bar{d}_1\gamma^{\mu}T^Ad_1)$	\mathbf{C}
ud8_1312	$\left\langle ar{u}_{1}\gamma_{\mu}T^{A}u_{3} ight angle \left\langle ar{d}_{1}\gamma^{\mu}T^{A}d_{2} ight angle$	\mathbf{C}
ud8_1313	$(\bar{u}_1\gamma_{\mu}T^Au_3)(\bar{d}_1\gamma^{\mu}T^Ad_3)$	\mathbf{C}
ud8_1321	$(\bar{u}_1\gamma_\mu T^A u_3)(\bar{d}_2\gamma^\mu T^A d_1)$	\mathbf{C}
ud8_1322	$\left\langle ar{u}_{1}\gamma_{\mu}T^{A}u_{3} ight angle \left\langle ar{d}_{2}\gamma^{\mu}T^{A}d_{2} ight angle$	\mathbf{C}
ud8_1323	$\left(ar{u}_1\gamma_\mu T^A u_3 ight)\left(ar{d}_2\gamma^\mu T^A d_3 ight)$	\mathbf{C}
ud8_1331	$\left(ar{u}_1\gamma_\mu T^A u_3 ight)\left(ar{d}_3\gamma^\mu T^A d_1 ight)$	\mathbf{C}
ud8_1332	$(\bar{u}_1\gamma_\mu T^A u_3)(\bar{d}_3\gamma^\mu T^A d_2)$	\mathbf{C}
ud8_1333	$\left(ar{u}_1\gamma_\mu T^A u_3\right)\left(ar{d}_3\gamma^\mu T^A d_3\right)$	\mathbf{C}
ud8_2211	$\left(ar{u}_2\gamma_\mu T^A u_2 ight)\left(ar{d}_1\gamma^\mu T^A d_1 ight)$	${ m R}$
ud8_2212	$\left(ar{u}_2\gamma_\mu T^A u_2 ight)\left(ar{d}_1\gamma^\mu T^A d_2 ight)$	$^{\mathrm{C}}$
ud8_2213	$(\bar{u}_2\gamma_\mu T^A u_2)(\bar{d}_1\gamma^\mu T^A d_3)$	$^{\mathrm{C}}$
ud8_2222	$(\bar{u}_2\gamma_\mu T^A u_2)(\bar{d}_2\gamma^\mu T^A d_2)$	R
ud8_2223	$(\bar{u}_2\gamma_\mu T^A u_2)(\bar{d}_2\gamma^\mu T^A d_3)$	\mathbf{C}
ud8_2233	$\left(ar{u}_2\gamma_\mu T^A u_2 ight)\left(ar{d}_3\gamma^\mu T^A d_3 ight)$	${ m R}$
ud8_2311	$\left(ar{u}_2\gamma_\mu T^A u_3 ight)\left(ar{d}_1\gamma^\mu T^A d_1 ight)$	\mathbf{C}
ud8_2312	$(\bar{u}_2\gamma_\mu T^A u_3)(\bar{d}_1\gamma^\mu T^A d_2)$	\mathbf{C}
ud8_2313	$\left(ar{u}_2\gamma_\mu T^A u_3\right)\left(ar{d}_1\gamma^\mu T^A d_3\right)$	C
ud8_2321	$\left(ar{u}_2\gamma_\mu T^A u_3 ight)\left(ar{d}_2\gamma^\mu T^A d_1 ight)$	\mathbf{C}
ud8_2322	$\left\langle ar{u}_2 \gamma_\mu T^A u_3 \right\rangle \left\langle ar{d}_2 \gamma^\mu T^A d_2 \right\rangle$	$^{\mathrm{C}}$
ud8_2323	$\left(ar{u}_2\gamma_\mu T^A u_3 ight)\left(ar{d}_2\gamma^\mu T^A d_3 ight)$	$^{\mathrm{C}}$
ud8_2331	$\left(ar{u}_2\gamma_\mu T^A u_3 ight)\left(ar{d}_3\gamma^\mu T^A d_1 ight)$	$^{\mathrm{C}}$
ud8_2332	$\left(ar{u}_2\gamma_\mu T^Au_3 ight)\left(ar{d}_3\gamma^\mu T^Ad_2 ight)$	\mathbf{C}

WC name	Operator	Type
ud8_2333	$\left(ar{u}_2\gamma_{\mu}T^Au_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
ud8_3311	$\left(ar{u}_3\gamma_{\mu}T^Au_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_1 ight)$	R
ud8_3312	$\left(ar{u}_3\gamma_{\mu}T^Au_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_2 ight)$	$^{\mathrm{C}}$
ud8_3313	$\left(ar{u}_3\gamma_{\mu}T^Au_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_3 ight)$	\mathbf{C}
ud8_3322	$\left(ar{u}_3\gamma_{\mu}T^Au_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_2 ight)$	R
ud8_3323	$\left(ar{u}_3\gamma_{\mu}T^Au_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
ud8_3333	$\left(ar{u}_3\gamma_{\mu}T^Au_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	R
le_1111	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_1\gamma^\mu e_1 ight)$	R
le_1112	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_1\gamma^\mu e_2 ight)$	$^{\mathrm{C}}$
le_1113	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_1\gamma^\mu e_3 ight)$	\mathbf{C}
le_1122	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_2\gamma^\mu e_2 ight)$	R
le_1123	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	$^{\mathrm{C}}$
le_1133	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{e}_3\gamma^\mu e_3 ight)$	R
le_1211	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_1 ight)$	\mathbf{C}
le_1212	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_2 ight)$	$^{\mathrm{C}}$
le_1213	$\left(ar{\ell}_1\gamma_{\mu}\ell_2 ight)\left(ar{e}_1\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
le_1221	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_2\gamma^\mu e_1 ight)$	$^{\mathrm{C}}$
le_1222	$\left(ar{\ell}_1\gamma_{\mu}\ell_2 ight)\left(ar{e}_2\gamma^{\mu}e_2 ight)$	$^{\mathrm{C}}$
le_1223	$\left(ar{\ell}_1\gamma_{\mu}\ell_2 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
le_1231	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_3\gamma^\mu e_1 ight)$	$^{\mathrm{C}}$
le_1232	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{e}_3\gamma^\mu e_2 ight)$	$^{\mathrm{C}}$
le_1233	$\left(ar{\ell}_1\gamma_{\mu}\ell_2 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
le_1311	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_1\gamma^\mu e_1 ight)$	$^{\mathrm{C}}$
le_1312	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_1\gamma^\mu e_2 ight)$	$^{\mathrm{C}}$
le_1313	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_1\gamma^\mu e_3 ight)$	$^{\mathrm{C}}$
le_1321	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_1 ight)$	$^{\mathrm{C}}$
le_1322	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_2 ight)$	$^{\mathrm{C}}$
le_1323	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	$^{\mathrm{C}}$
le_1331	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_3\gamma^\mu e_1 ight)$	$^{\mathrm{C}}$
le_1332	$\left(ar{\ell}_1\gamma_{\mu}\ell_3 ight)\left(ar{e}_3\gamma^{\mu}e_2 ight)$	$^{\mathrm{C}}$
le_1333	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{e}_3\gamma^\mu e_3 ight)$	$^{\mathrm{C}}$
le_2211	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_1 ight)$	R
le_2212	$(ar{\ell}_2\gamma_\mu\ell_2)(ar{e}_1\gamma^\mu e_2)$	$^{\mathrm{C}}$
le_2213	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_1\gamma^\mu e_3 ight)$	$^{\mathrm{C}}$
le_2222	$(ar{\ell}_2\gamma_\mu\ell_2)(ar{e}_2\gamma^\mu e_2)$	${ m R}$
le_2223	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	$^{\mathrm{C}}$
le_2233	$(ar{\ell}_2\gamma_\mu\ell_2)(ar{e}_3\gamma^\mu e_3)$	R
le_2311	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{e}_1\gamma^\mu e_1 ight)$	$^{\mathrm{C}}$
le_2312	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{e}_1\gamma^\mu e_2)$	$^{\mathrm{C}}$
le_2313	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{e}_1\gamma^\mu e_3)$	$^{\mathrm{C}}$
le_2321	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{e}_2\gamma^\mu e_1)$	$^{\mathrm{C}}$
le_2322	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{e}_2\gamma^\mu e_2)$	$^{\mathrm{C}}$

WC name	Operator	Type
le_2323	$(\bar{\ell}_2\gamma_\mu\ell_3)(\bar{e}_2\gamma^\mu e_3)$	C
le_2331	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{e}_3\gamma^\mu e_1)$	\mathbf{C}
le_2332	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{e}_3\gamma^\mu e_2)$	\mathbf{C}
le_2333	$(ar{\ell}_2\gamma_\mu\ell_3)(ar{e}_3\gamma^\mu e_3)$	\mathbf{C}
le_3311	$(\bar{\ell}_3\gamma_\mu\ell_3)(\bar{e}_1\gamma^\mu e_1)$	\mathbf{R}
le_3312	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{e}_1\gamma^\mu e_2 ight)$	\mathbf{C}
le_3313	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{e}_1\gamma^\mu e_3 ight)$	\mathbf{C}
le_3322	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_2 ight)$	\mathbf{R}
le_3323	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{e}_2\gamma^\mu e_3 ight)$	\mathbf{C}
le_3333	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{e}_3\gamma^\mu e_3 ight)$	\mathbf{R}
lu_1111	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	\mathbf{R}
lu_1112	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1113	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	$^{\mathrm{C}}$
lu_1122	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_2\gamma^\mu u_2 ight)$	\mathbf{R}
lu_1123	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	$^{\mathrm{C}}$
lu_1133	$\left(ar{\ell}_1\gamma_\mu\ell_1 ight)\left(ar{u}_3\gamma^\mu u_3 ight)$	\mathbf{R}
lu_1211	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	\mathbf{C}
lu_1212	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	$^{\mathrm{C}}$
lu_1213	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	$^{\mathrm{C}}$
lu_1221	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_1 ight)$	$^{\mathrm{C}}$
lu_1222	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_2 ight)$	$^{\mathrm{C}}$
lu_1223	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	$^{\mathrm{C}}$
lu_1231	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_3\gamma^\mu u_1 ight)$	$^{\mathrm{C}}$
lu_1232	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_3\gamma^\mu u_2 ight)$	\mathbf{C}
lu_1233	$\left(ar{\ell}_1\gamma_\mu\ell_2 ight)\left(ar{u}_3\gamma^\mu u_3 ight)$	\mathbf{C}
lu_1311	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	$^{\mathrm{C}}$
lu_1312	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	$^{\mathrm{C}}$
lu_1313	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	$^{\mathrm{C}}$
lu_1321	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_2\gamma^\mu u_1 ight)$	$^{\mathrm{C}}$
lu_1322	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_2\gamma^\mu u_2 ight)$	$^{\mathrm{C}}$
lu_1323	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	$^{\mathrm{C}}$
lu_1331	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_3\gamma^\mu u_1 ight)$	$^{\mathrm{C}}$
lu_1332	$\left(ar{\ell}_1\gamma_\mu\ell_3 ight)\left(ar{u}_3\gamma^\mu u_2 ight)$	$^{\mathrm{C}}$
lu_1333	$\left(ar{\ell}_1 \gamma_\mu \ell_3 ight) \left(ar{u}_3 \gamma^\mu u_3 ight)$	$^{\mathrm{C}}$
lu_2211	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	\mathbf{R}
lu_2212	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	\mathbf{C}
lu_2213	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_1\gamma^\mu u_3 ight)$	\mathbf{C}
lu_2222	$\left(ar{\ell}_2 \gamma_\mu \ell_2 \right) \left(ar{u}_2 \gamma^\mu u_2 \right)$	\mathbf{R}
lu_2223	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_2\gamma^\mu u_3 ight)$	\mathbf{C}
lu_2233	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{u}_3\gamma^\mu u_3 ight)$	\mathbf{R}
lu_2311	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_1 ight)$	\mathbf{C}
lu_2312	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{u}_1\gamma^\mu u_2 ight)$	\mathbf{C}

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
ld_1123 $(\bar{\ell}_1\gamma_\mu\ell_1)$ $(\bar{d}_2\gamma^\mu d_3)$ Cld_1133 $(\bar{\ell}_1\gamma_\mu\ell_1)$ $(\bar{d}_3\gamma^\mu d_3)$ R
ld_1133 $ (\bar{\ell}_1 \gamma_\mu \ell_1) (\bar{d}_3 \gamma^\mu d_3) $ R
$1d_{1212} \qquad \qquad (\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_2) \qquad \qquad C$
ld_1213 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_3)$ C
$1d_{1221} \qquad \qquad (\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_1) \qquad \qquad C$
$1d_{1222} \qquad \qquad (\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_2) \qquad \qquad C$
ld_1223 $(\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_2 \gamma^\mu d_3)$ C
$1d_1231 \qquad \qquad (\bar{\ell}_1\gamma_\mu\ell_2)(\bar{d}_3\gamma^\mu d_1) \qquad \qquad C$
$1d_1232 \qquad \qquad (\bar{\ell}_1\gamma_\mu\ell_2)(\bar{d}_3\gamma^\mu d_2) \qquad \qquad C$
ld_1233 $ (\bar{\ell}_1 \gamma_\mu \ell_2) (\bar{d}_3 \gamma^\mu d_3) $ C
ld_1311 $ (\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_1) $ C
$ 1d_1312 \qquad \qquad (\ell_1 \gamma_\mu \ell_3) \left(d_1 \gamma^\mu d_2 \right) $ C
ld_1313 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_1 \gamma^\mu d_3)$ C
ld_1321 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_1)$ C
ld_1322 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_2)$ C
ld_1323 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_2 \gamma^\mu d_3)$ C
ld_1331 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_1)$ C
ld_1332 $ (\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_2) $ C
ld_1333 $(\bar{\ell}_1 \gamma_\mu \ell_3) (\bar{d}_3 \gamma^\mu d_3)$ C
ld_2211 $(\bar{\ell}_2 \gamma_\mu \ell_2) (\bar{d}_1 \gamma^\mu d_1)$ R
$1d_2212 \qquad \qquad (\bar{\ell}_2\gamma_\mu\ell_2)(\bar{d}_1\gamma^\mu d_2) \qquad \qquad C$
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 \qquad \qquad (\bar{\ell}_2\gamma_\mu\ell_2) \left(\bar{d}_2\gamma^\mu d_3\right) \qquad \qquad C $

WC name	Operator	Type
ld_2233	$\left(ar{\ell}_2\gamma_\mu\ell_2 ight)\left(ar{d}_3\gamma^\mu d_3 ight)$	R
ld_2311	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_1 ight)$	\mathbf{C}
ld_2312	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
ld_2313	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_3 ight)$	\mathbf{C}
ld_2321	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_2\gamma^\mu d_1 ight)$	\mathbf{C}
ld_2322	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_2\gamma^\mu d_2 ight)$	$^{\mathrm{C}}$
ld_2323	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_2\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
ld_2331	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_3\gamma^\mu d_1 ight)$	\mathbf{C}
ld_2332	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_3\gamma^\mu d_2 ight)$	\mathbf{C}
ld_2333	$\left(ar{\ell}_2\gamma_\mu\ell_3 ight)\left(ar{d}_3\gamma^\mu d_3 ight)$	\mathbf{C}
ld_3311	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_1 ight)$	R
ld_3312	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
ld_3313	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_1\gamma^\mu d_3 ight)$	\mathbf{C}
ld_3322	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_2\gamma^\mu d_2 ight)$	R
ld_3323	$\left(ar{\ell}_3\gamma_\mu\ell_3 ight)\left(ar{d}_2\gamma^\mu d_3 ight)$	\mathbf{C}
ld_3333	$(ar{\ell}_3\gamma_\mu\ell_3)~(ar{d}_3\gamma^\mu d_3)$	R
qe_1111	$(ar{q}_1\gamma_\mu q_1)(ar{e}_1\gamma^\mu e_1)$	R
qe_1112	$(ar{q}_1\gamma_\mu q_1)(ar{e}_1\gamma^\mu e_2)$	C
qe_1113	$(ar{q}_1\gamma_\mu^{}q_1)(ar{e}_1\gamma^\mu e_3)$	$^{\mathrm{C}}$
qe_1122	$\left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{e}_2\gamma^{\mu}e_2 ight)$	R
qe_1123	$\left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{e}_2\gamma^{\mu}e_3 ight)$	$^{\mathrm{C}}$
qe_1133	$\left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{e}_3\gamma^{\mu}e_3 ight)$	R
qe_1211	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_1\gamma^{\mu}e_1 ight)$	C
qe_1212	$\left(ar{q}_1\gamma_{\mu}q_2 ight)\left(ar{e}_1\gamma^{\mu}e_2 ight)$	C
qe_1213	$(ar{q}_1\gamma_\mu q_2)(ar{e}_1\gamma^\mu e_3)$	C
qe_1221	$(ar{q}_1\gamma_\mu q_2)(ar{e}_2\gamma^\mu e_1)$	C
qe_1222	$(ar{q}_1\gamma_\mu q_2)(ar{e}_2\gamma^\mu e_2)$	C
qe_1223	$(ar{q}_1\gamma_\mu q_2)(ar{e}_2\gamma^\mu e_3)$	C
qe_1231	$(ar{q}_1\gamma_\mu q_2)(ar{e}_3\gamma^\mu e_1)$	$\stackrel{ ext{C}}{ ilde{ ilde{c}}}$
qe_1232	$(ar{q}_1\gamma_\mu q_2)(ar{e}_3\gamma^\mu e_2)$	C
qe_1233	$(ar{q}_1\gamma_\mu q_2)(ar{e}_3\gamma^\mu e_3)$	C
qe_1311	$(ar{q}_1\gamma_\mu q_3)(ar{e}_1\gamma^\mu e_1)$	C
qe_1312	$(\bar{q}_1\gamma_\mu q_3)(\bar{e}_1\gamma^\mu e_2)$	C 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 qe_1323	$egin{aligned} \left(ar{q}_1\gamma_\mu q_3 ight)\left(ar{e}_2\gamma^\mu e_2 ight) \ \left(ar{q}_1\gamma_\mu q_3 ight)\left(ar{e}_2\gamma^\mu e_3 ight) \end{aligned}$	C
qe_1331	$(q_1\gamma_\mu q_3)(e_2\gamma^{\mu}e_3) \ (ar{q}_1\gamma_\mu q_3)(ar{e}_3\gamma^{\mu}e_1)$	C
qe_1331 qe_1332	$(q_1\gamma_\mu q_3)(e_3\gamma^\mu e_1) \ (ar q_1\gamma_\mu q_3)(ar e_3\gamma^\mu e_2)$	C
qe_1333 qe_1333	$(q_1\gamma_\mu q_3)(e_3\gamma^{\mu}e_2) \ (\bar{q}_1\gamma_\mu q_3)(\bar{e}_3\gamma^{\mu}e_3)$	C
qe_1333 qe_2211	$(q_1\gamma_\mu q_3)(e_3\gamma^\mu e_3) \ (ar q_2\gamma_\mu q_2)(ar e_1\gamma^\mu e_1)$	$^{ m C}_{ m R}$
qe_2211 qe_2212	$(ar{q}_2\gamma_\mu q_2)(ar{e}_1\gamma^\mu e_1) \ (ar{q}_2\gamma_\mu q_2)(ar{e}_1\gamma^\mu e_2)$	C
qe_2212 qe_2213	$(ar{q}_2\gamma_\mu q_2)(ar{e}_1\gamma^\mu e_2) \ (ar{q}_2\gamma_\mu q_2)(ar{e}_1\gamma^\mu e_3)$	C
1-2210	(42 /µ42) (°1 / °3)	\sim

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

WC name	Operator	Type
qu1_2213	$\left(\bar{q}_2\gamma_{\mu}q_2\right)\left(\bar{u}_1\gamma^{\mu}u_3\right)$	С
qu1_2222	$\left(\bar{q}_2\gamma_{\mu}q_2\right)\left(\bar{u}_2\gamma^{\mu}u_2\right)$	R
qu1_2223	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{u}_2\gamma^{\mu}u_3 ight)$	\mathbf{C}
qu1_2233	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{u}_3\gamma^{\mu}u_3 ight)$	R
qu1_2311	$(\bar{q}_2\gamma_\mu q_3)(\bar{u}_1\gamma^\mu u_1)$	\mathbf{C}
qu1_2312	$(\bar{q}_2\gamma_\mu q_3)(\bar{u}_1\gamma^\mu u_2)$	$^{\mathrm{C}}$
qu1_2313	$(\bar{q}_2\gamma_\mu q_3)(\bar{u}_1\gamma^\mu u_3)$	\mathbf{C}
qu1_2321	$(ar{q}_2\gamma_\mu q_3)(ar{u}_2\gamma^\mu u_1)$	\mathbf{C}
qu1_2322	$(ar{q}_2\gamma_\mu q_3)(ar{u}_2\gamma^\mu u_2)$	\mathbf{C}
qu1_2323	$(ar{q}_2\gamma_\mu q_3)(ar{u}_2\gamma^\mu u_3)$	\mathbf{C}
qu1_2331	$(ar{q}_2\gamma_\mu q_3)(ar{u}_3\gamma^\mu u_1)$	\mathbf{C}
qu1_2332	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{u}_3\gamma^{\mu}u_2 ight)$	\mathbf{C}
qu1_2333	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{u}_3\gamma^{\mu}u_3 ight)$	\mathbf{C}
qu1_3311	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{u}_1\gamma^{\mu}u_1 ight)$	R
qu1_3312	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{u}_1\gamma^{\mu}u_2 ight)$	\mathbf{C}
qu1_3313	$(ar{q}_3\gamma_\mu q_3)(ar{u}_1\gamma^\mu u_3)$	\mathbf{C}
qu1_3322	$(ar{q}_3\gamma_\mu q_3)(ar{u}_2\gamma^\mu u_2)$	R
qu1_3323	$(ar{q}_3\gamma_\mu q_3)(ar{u}_2\gamma^\mu u_3)$	\mathbf{C}
qu1_3333	$(ar{q}_3\gamma_\mu q_3)(ar{u}_3\gamma^\mu u_3)$	R
qd1_1111	$(ar{q}_1\gamma_\mu q_1)\left(ar{d}_1\gamma^\mu d_1 ight)$	R
qd1_1112	$(ar{q}_1\gamma_\mu q_1)\left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
qd1_1113	$(ar{q}_1\gamma_\mu q_1)\left(ar{d}_1\gamma^\mu d_3 ight)$	\mathbf{C}
qd1_1122	$\left(ar{q}_1\gamma_{\mu}q_1 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R
qd1_1123	$(ar{q}_1\gamma_\mu q_1)ig(ar{d}_2\gamma^\mu d_3ig)$	\mathbf{C}
qd1_1133	$(ar{q}_1\gamma_\mu q_1)\left(ar{d}_3\gamma^\mu d_3 ight)$	R
qd1_1211	$(ar{q}_1\gamma_\mu q_2) \left(ar{d}_1\gamma^\mu d_1 ight)$	\mathbf{C}
qd1_1212	$(ar{q}_1\gamma_\mu q_2) \left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
qd1_1213	$(ar{q}_1\gamma_{\mu}q_2)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	\mathbf{C}
qd1_1221	$(ar{q}_1\gamma_\mu q_2) \left(ar{d}_2\gamma^\mu d_1 ight)$	\mathbf{C}
qd1_1222	$(ar{q}_1\gamma_{\mu}q_2)ig(ar{d}_2\gamma^{\mu}d_2ig)$	\mathbf{C}
qd1_1223	$(ar{q}_1\gamma_{\mu}q_2)ig(ar{d}_2\gamma^{\mu}d_3ig)$	\mathbf{C}
qd1_1231	$(ar{q}_1\gamma_{\mu}q_2) \left(ar{d}_3\gamma^{\mu}d_1 ight)$	\mathbf{C}
qd1_1232	$(ar{q}_1\gamma_{\mu}q_2)(ar{d}_3\gamma^{\mu}d_2)$	$^{\mathrm{C}}$
qd1_1233	$(ar{q}_1\gamma_\mu q_2) \left(ar{d}_3\gamma^\mu d_3 ight)$	$^{\mathrm{C}}$
qd1_1311	$egin{array}{l} (ar{q}_1\gamma_{\mu}q_3) & (ar{d}_1\gamma^{\mu}d_1) \end{array}$	C
qd1_1312	$(ar{q}_1\gamma_\mu q_3) \left(ar{d}_1\gamma^\mu d_2 ight) \ (ar{q}_1\gamma_\mu q_3) \left(ar{d}_1\gamma^\mu d_2 ight)$	$\overset{\circ}{\mathrm{C}}$
qd1_1313	$(ar{q}_1\gamma_\mu q_3) (ar{d}_1\gamma^\mu d_3) \ (ar{q}_1\gamma_\mu q_3) (ar{d}_1\gamma^\mu d_3)$	$\overset{\circ}{\mathrm{C}}$
qd1_1321	$(ar{q}_1\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_1 ight) \ (ar{q}_1\gamma_\mu q_3) \left(ar{d}_2\gamma^\mu d_1 ight)$	C
qd1_1322	$egin{array}{l} (q_1 / \mu q_3) & (a_2 / a_1) \ (ar{q}_1 \gamma_\mu q_3) & (ar{d}_2 \gamma^\mu d_2) \end{array}$	C
qd1_1323	$rac{(q_1\gamma_\mu q_3)}{(ar q_1\gamma_\mu q_3)}rac{(a_2\gamma^\mu a_2)}{(ar d_2\gamma^\mu d_3)}$	C
qd1_1323 qd1_1331	$(q_1\gamma_\mu q_3) (a_2\gamma^\mu a_3) \ (ar q_1\gamma_\mu q_3) (ar d_3\gamma^\mu d_1)$	C
=	$(q_1 \mid \mu q_3) (a_3 \mid a_1)$ $(\bar{a}_1 \circ a_2) (\bar{d}_2 \circ \mu d_3)$	C
qd1_1332	$(\bar{q}_1\gamma_\mu q_3) \left(\bar{d}_3\gamma^\mu d_2\right)$	C
qd1_1333	$(ar{q}_1\gamma_\mu q_3)(ar{d}_3\gamma^\mu d_3)$	C

WC name	Operator	Type
qd1_2211	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	R
qd1_2212	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	\mathbf{C}
qd1_2213	$(ar{q}_2\gamma_\mu q_2) \left(ar{d}_1\gamma^\mu d_3 ight)$	\mathbf{C}
qd1_2222	$(ar{q}_2\gamma_\mu q_2) \left(ar{d}_2\gamma^\mu d_2 ight)$	R
qd1_2223	$\left(ar{q}_2\gamma_{\mu}q_2 ight)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
qd1_2233	$(ar{q}_2\gamma_\mu q_2)ig(ar{d}_3\gamma^\mu d_3ig)$	R
qd1_2311	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	С
qd1_2312	$(ar{q}_2\gamma_\mu q_3)\left(ar{d}_1\gamma^\mu d_2 ight)$	\mathbf{C}
qd1_2313	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	\mathbf{C}
qd1_2321	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{d}_2\gamma^{\mu}d_1 ight)$	\mathbf{C}
qd1_2322	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	\mathbf{C}
qd1_2323	$(ar{q}_2\gamma_\mu q_3)ig(ar{d}_2\gamma^\mu d_3ig)$	\mathbf{C}
qd1_2331	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{d}_3\gamma^{\mu}d_1 ight)$	\mathbf{C}
qd1_2332	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{d}_3\gamma^{\mu}d_2 ight)$	$^{\mathrm{C}}$
qd1_2333	$\left(ar{q}_2\gamma_{\mu}q_3 ight)\left(ar{d}_3\gamma^{\mu}d_3 ight)$	$^{\mathrm{C}}$
qd1_3311	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{d}_1\gamma^{\mu}d_1 ight)$	R
qd1_3312	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{d}_1\gamma^{\mu}d_2 ight)$	\mathbf{C}
qd1_3313	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{d}_1\gamma^{\mu}d_3 ight)$	С
qd1_3322	$\left(ar{q}_3\gamma_{\mu}q_3 ight)\left(ar{d}_2\gamma^{\mu}d_2 ight)$	R
qd1_3323	$(ar{q}_3\gamma_{\mu}q_3)\left(ar{d}_2\gamma^{\mu}d_3 ight)$	\mathbf{C}
qd1_3333	$(ar{q}_3\gamma_\mu q_3)(ar{d}_3\gamma^\mu d_3)$	R
qu8_1111	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{u}_1\gamma^\mu T^Au_1 ight)$	R
qu8_1112	$\left(ar{q}_1\gamma_\mu T^A q_1 ight)\left(ar{u}_1\gamma^\mu T^A u_2 ight)$	$\stackrel{ ext{C}}{\sim}$
qu8_1113	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{u}_1\gamma^{\mu}T^Au_3 ight)$	С
qu8_1122	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{u}_2\gamma^\mu T^Au_2 ight)$	R
qu8_1123	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{u}_2\gamma^{\mu}T^Au_3 ight)$	С
qu8_1133	$(\bar{q}_1\gamma_\mu T^A q_1) (\bar{u}_3\gamma^\mu T^A u_3)$	$_{\mathrm{C}}^{\mathrm{R}}$
qu8_1211	$\left(\bar{q}_1\gamma_{\mu}T^Aq_2\right)\left(\bar{u}_1\gamma^{\mu}T^Au_1\right)$	C
qu8_1212 qu8_1213	$egin{array}{l} \left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{u}_1\gamma^\mu T^Au_2 ight) \ \left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{u}_1\gamma^\mu T^Au_3 ight) \end{array}$	C
qu8_1213 qu8_1221	/ ' _ 4 \ / 4 \	C
qu8_1221 qu8_1222	$egin{aligned} \left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{u}_2\gamma^\mu T^Au_1 ight) \ \left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{u}_2\gamma^\mu T^Au_2 ight) \end{aligned}$	C
qu8_1223	$egin{pmatrix} (q_1)_\mu & q_2 \end{pmatrix} egin{pmatrix} (u_2)_\mu & u_2 \end{pmatrix} \ ig(ar{q}_1 \gamma_\mu T^A q_2) & (u_2 \gamma^\mu T^A u_3) \end{pmatrix}$	$\overset{\circ}{\mathrm{C}}$
qu8_1231	$\left(\bar{q}_1\gamma_{\mu}T^Aq_2\right)\left(\bar{u}_3\gamma^{\mu}T^Au_1\right)$	$\overset{\circ}{\mathrm{C}}$
qu8_1232	$\begin{pmatrix} q_1 & \mu^2 & q_2 \\ (\bar{q}_1 \gamma_\mu T^A q_2) & (\bar{u}_3 \gamma^\mu T^A u_2) \end{pmatrix}$	Ċ
qu8_1233	$\left(\bar{q}_1\gamma_{\mu}T^Aq_2\right)\left(\bar{u}_3\gamma^{\mu}T^Au_3\right)$	\mathbf{C}
qu8_1311	$\left\langle ar{q}_1\gamma_\mu T^Aq_3 \right angle \left\langle ar{u}_1\gamma^\mu T^Au_1 \right angle$	\mathbf{C}
qu8_1312	$\left\langle ar{q}_1\gamma_\mu T^Aq_3 \right\rangle \left\langle ar{u}_1\gamma^\mu T^Au_2 \right\rangle$	\mathbf{C}
qu8_1313	$(\bar{q}_1\gamma_\mu T^Aq_3) (\bar{u}_1\gamma^\mu T^Au_3)$	\mathbf{C}
qu8_1321	$(\bar{q}_1\gamma_\mu T^Aq_3)(\bar{u}_2\gamma^\mu T^Au_1)$	\mathbf{C}
qu8_1322	$(\bar{q}_1\gamma_\mu T^Aq_3)~(\bar{u}_2\gamma^\mu T^Au_2)$	\mathbf{C}
qu8_1323	$(\bar{q}_{1}\gamma_{\mu}T^{A}q_{3})(\bar{u}_{2}\gamma^{\mu}T^{A}u_{3})$	$^{\mathrm{C}}$
qu8_1331	$\left\langle ar{q}_{1}\gamma_{\mu}T^{A}q_{3} ight angle \left\langle ar{u}_{3}\gamma^{\mu}T^{A}u_{1} ight angle$	\mathbf{C}

WC name	Operator	Type
qu8_1332	$\left(\bar{q}_1\gamma_{\mu}T^Aq_3\right)\left(\bar{u}_3\gamma^{\mu}T^Au_2\right)$	С
qu8_1333	$\left(ar{q}_1\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_3\gamma^{\mu}T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_2211	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_1\gamma^{\mu}T^Au_1 ight)$	R
qu8_2212	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_1\gamma^{\mu}T^Au_2 ight)$	C
qu8_2213	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_1\gamma^{\mu}T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_2222	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_2\gamma^{\mu}T^Au_2 ight)$	R
qu8_2223	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_2\gamma^{\mu}T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_2233	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{u}_3\gamma^{\mu}T^Au_3 ight)$	R
qu8_2311	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_1\gamma^\mu T^Au_1 ight)$	$^{\mathrm{C}}$
qu8_2312	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_1\gamma^\mu T^Au_2 ight)$	$^{\mathrm{C}}$
qu8_2313	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_1\gamma^{\mu}T^Au_3 ight)$	\mathbf{C}
qu8_2321	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{u}_2\gamma^\mu T^Au_1 ight)$	\mathbf{C}
qu8_2322	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_2\gamma^{\mu}T^Au_2 ight)$	\mathbf{C}
qu8_2323	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_2\gamma^{\mu}T^Au_3 ight)$	\mathbf{C}
qu8_2331	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_3\gamma^{\mu}T^Au_1 ight)$	\mathbf{C}
qu8_2332	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_3\gamma^{\mu}T^Au_2 ight)$	\mathbf{C}
qu8_2333	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_3\gamma^{\mu}T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_3311	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_1\gamma^{\mu}T^Au_1 ight)$	R
qu8_3312	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_1\gamma^{\mu}T^Au_2 ight)$	$^{\mathrm{C}}$
qu8_3313	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_1\gamma^{\mu}T^Au_3 ight)$	$^{\mathrm{C}}$
qu8_3322	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_2\gamma^{\mu}T^Au_2 ight)$	R
qu8_3323	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_2\gamma^{\mu}T^Au_3 ight)$	\mathbf{C}
qu8_3333	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{u}_3\gamma^{\mu}T^Au_3 ight)$	R
qd8_1111	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_1 ight)$	R
qd8_1112	$\left(ar{q}_1\gamma_{\mu}T^Aq_1 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_2 ight)$	$^{\mathrm{C}}$
qd8_1113	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{d}_1\gamma^\mu T^Ad_3 ight)$	$^{\mathrm{C}}$
qd8_1122	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{d}_2\gamma^\mu T^Ad_2 ight)$	${ m R}$
qd8_1123	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{d}_2\gamma^\mu T^Ad_3 ight)$	\mathbf{C}
qd8_1133	$\left(ar{q}_1\gamma_\mu T^Aq_1 ight)\left(ar{d}_3\gamma^\mu T^Ad_3 ight)$	${ m R}$
qd8_1211	$\left(ar{q}_1\gamma_{\mu}T^Aq_2 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_1 ight)$	$^{\mathrm{C}}$
qd8_1212	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{d}_1\gamma^\mu T^Ad_2 ight)$	$^{\mathrm{C}}$
qd8_1213	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{d}_1\gamma^\mu T^Ad_3 ight)$	$^{\mathrm{C}}$
qd8_1221	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{d}_2\gamma^\mu T^Ad_1 ight)$	$^{\mathrm{C}}$
qd8_1222	$\left(ar{q}_1\gamma_\mu T^Aq_2 ight)\left(ar{d}_2\gamma^\mu T^Ad_2 ight)$	$^{\mathrm{C}}$
qd8_1223	$\left(ar{q}_1\gamma_{\mu}T^Aq_2 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
qd8_1231	$ig(ar{q}_1\gamma_\mu T^Aq_2ig)ig(ar{d}_3\gamma^\mu T^Ad_1ig)$	$\dot{ ext{C}}$
qd8_1232	$egin{array}{l} (ar{q}_1\gamma_\mu T^Aq_2) & (ar{d}_3\gamma^\mu T^Ad_2) \end{array}$	$\dot{ ext{C}}$
qd8_1233	$\begin{pmatrix} q_1/\mu^2 & q_2 \end{pmatrix} \begin{pmatrix} a_3/\Gamma & a_2 \end{pmatrix} \begin{pmatrix} ar{q}_1 \gamma_\mu T^A q_2 \end{pmatrix} \begin{pmatrix} ar{d}_3 \gamma^\mu T^A d_3 \end{pmatrix}$	$\overset{\circ}{\mathrm{C}}$
qd8_1311	$egin{array}{l} (ar{q}_1\gamma_\mu T^Aq_2) & (ar{d}_1\gamma^\mu T^Ad_1) \ & (ar{q}_1\gamma_\mu T^Aq_3) & (ar{d}_1\gamma^\mu T^Ad_1) \end{array}$	$\overset{\circ}{\mathrm{C}}$
qd8_1312	$(ar{q}_1\gamma_\mu T^Aq_3) (ar{d}_1\gamma^\mu T^Ad_2) \ (ar{q}_1\gamma_\mu T^Aq_3) (ar{d}_1\gamma^\mu T^Ad_2)$	$\stackrel{ ext{C}}{ ext{C}}$
qd8_1313	$egin{pmatrix} (q_1\gamma_\mu I^{-}q_3) & (a_1\gamma^*I^{-}a_2) \ (ar{q}_1\gamma_\mu T^Aq_3) & (ar{d}_1\gamma^\mu T^Ad_3) \end{pmatrix}$	C
qd8_1313 qd8_1321	$egin{array}{c} (q_1\gamma_\mu I & q_3) & (u_1\gamma^*I & u_3) \ (ar q_1\gamma_\mu T^Aq_3) & (ar d_2\gamma^\mu T^Ad_1) \end{array}$	C
_	$\begin{pmatrix} q_1 / \mu^T & q_3 \end{pmatrix} \begin{pmatrix} \alpha_2 / T & \alpha_1 \end{pmatrix} \begin{pmatrix} \bar{q}_2 \gamma & T & \alpha_1 \end{pmatrix} \begin{pmatrix} \bar{q}_2 \gamma & T & q_2 \end{pmatrix}$	C
qd8_1322	$\left(ar{q}_1\gamma_\mu T^Aq_3 ight)\left(ar{d}_2\gamma^\mu T^Ad_2 ight)$	C

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	WC name	Operator	Type
$\begin{array}{llllllllllllllllllllllllllllllllllll$	qd8_1323	$\left(ar{q}_1\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_3 ight)$	С
$\begin{array}{llllllllllllllllllllllllllllllllllll$	qd8_1331		\mathbf{C}
$\begin{array}{llllllllllllllllllllllllllllllllllll$	qd8_1332	$\left(ar{q}_1\gamma_\mu T^Aq_3 ight)\left(ar{d}_3\gamma^\mu T^Ad_2 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_1333	$\left(ar{q}_1\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2211	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_1 ight)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2212	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_2 ight)$	\mathbf{C}
$\begin{array}{llllllllllllllllllllllllllllllllllll$	qd8_2213	$\left(ar{q}_2\gamma_{\mu}T^Aq_2 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_3 ight)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2222	$\left(ar{q}_2\gamma_\mu T^Aq_2 ight)\left(ar{d}_2\gamma^\mu T^Ad_2 ight)$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	qd8_2223	$\left(ar{q}_2\gamma_\mu T^Aq_2 ight)\left(ar{d}_2\gamma^\mu T^Ad_3 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2233	$(\bar{q}_2\gamma_\mu T^Aq_2)(\bar{d}_3\gamma^\mu T^Ad_3)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2311		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2312	$(\bar{q}_2\gamma_\mu T^Aq_3)(\bar{d}_1\gamma^\mu T^Ad_2)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2313	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{d}_1\gamma^\mu T^Ad_3 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2321		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2322		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2323		$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2331	$(\bar{q}_2\gamma_\mu T^Aq_3)(\bar{d}_3\gamma^\mu T^Ad_1)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2332	$\left(ar{q}_2\gamma_\mu T^Aq_3 ight)\left(ar{d}_3\gamma^\mu T^Ad_2 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_2333	$\left(ar{q}_2\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_3311	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_1 ight)$	\mathbf{R}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_3312	$\left(ar{q}_3\gamma_\mu T^Aq_3 ight)\left(ar{d}_1\gamma^\mu T^Ad_2 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_3313	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_1\gamma^{\mu}T^Ad_3 ight)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_3322	$\left(\bar{q}_3\gamma_\mu T^Aq_3\right)\left(\bar{d}_2\gamma^\mu T^Ad_2\right)$	\mathbf{R}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_3323	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_2\gamma^{\mu}T^Ad_3 ight)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	qd8_3333	$\left(ar{q}_3\gamma_{\mu}T^Aq_3 ight)\left(ar{d}_3\gamma^{\mu}T^Ad_3 ight)$	\mathbf{R}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1111	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_1q_1 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1112	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_1q_2 ight)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1113	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_1q_3 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1121	$\left(ar{\ell}_1 e_1 ight)\left(ar{d}_2 q_1 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1122	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_2q_2 ight)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1123	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_2q_3 ight)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		$ig(ar{\ell}_1 e_1ig) ig(ar{d}_3 q_1ig)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1132	$\left(ar{\ell}_1e_1 ight)\left(ar{d}_3q_2 ight)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1133	$ig(ar{\ell}_1e_1ig)ig(ar{d}_3q_3ig)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1211	$ig(ar{\ell}_1e_2ig)ig(ar{d}_1q_1ig)$	$^{\mathrm{C}}$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1212	$(\ell_1e_2)\ (d_1q_2)$	$^{\mathrm{C}}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1213	$ig(ar{\ell}_1e_2ig)ig(ar{d}_1q_3ig)$	\mathbf{C}
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ledq_1221	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_2q_1 ight)$	
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_1222	$\left(ar{\ell}_1 e_2 ight)\left(ar{d}_2 q_2 ight)$	
ledq_1231 $\left(ar{\ell}_1e_2 ight)\left(ar{d}_3q_1 ight)$ C	ledq_1223	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_2q_3 ight)$	\mathbf{C}
	ledq_1231		\mathbf{C}
ledq_1232 $\left(\bar{\ell}_1 e_2\right)\left(\bar{d}_3 q_2\right)$ C	ledq_1232	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_3q_2 ight)$	\mathbf{C}

WC name	Operator	Type
ledq_1233	$\left(ar{\ell}_1e_2 ight)\left(ar{d}_3q_3 ight)$	С
ledq_1311	$ig(ar{\ell}_1e_3ig)ig(ar{d}_1q_1ig)$	\mathbf{C}
ledq_1312	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_1q_2 ight)$	\mathbf{C}
ledq_1313	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_1q_3 ight)$	\mathbf{C}
ledq_1321	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_2q_1 ight)$	\mathbf{C}
ledq_1322	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_2q_2 ight)$	\mathbf{C}
ledq_1323	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_2q_3 ight)$	\mathbf{C}
ledq_1331	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_3q_1 ight)$	\mathbf{C}
ledq_1332	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_3q_2 ight)$	\mathbf{C}
ledq_1333	$\left(ar{\ell}_1e_3 ight)\left(ar{d}_3q_3 ight)$	\mathbf{C}
ledq_2111	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_1 q_1 ight)$	\mathbf{C}
ledq_2112	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_1 q_2 ight)$	\mathbf{C}
ledq_2113	$\left(ar{\ell}_{2}e_{1} ight)\left(ar{d}_{1}q_{3} ight)$	\mathbf{C}
ledq_2121	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_2 q_1 ight)$	\mathbf{C}
ledq_2122	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_2 q_2 ight)$	\mathbf{C}
ledq_2123	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_2 q_3 ight)$	\mathbf{C}
ledq_2131	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_3 q_1 ight)$	\mathbf{C}
ledq_2132	$\left(\ell_{2}e_{1} ight) \left(d_{3}q_{2} ight)$	\mathbf{C}
ledq_2133	$\left(ar{\ell}_2 e_1 ight)\left(ar{d}_3 q_3 ight)$	\mathbf{C}
ledq_2211	$\left(ar{\ell}_{2}e_{2} ight)\left(ar{d}_{1}q_{1} ight)$	\mathbf{C}
ledq_2212	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_1 q_2 ight)$	\mathbf{C}
ledq_2213	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_1 q_3 ight)$	\mathbf{C}
ledq_2221	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_2 q_1 ight)$	\mathbf{C}
ledq_2222	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_2 q_2 ight)$	\mathbf{C}
ledq_2223	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_2 q_3 ight)$	\mathbf{C}
ledq_2231	$\left(ar{\ell}_{2}e_{2} ight)\left(ar{d}_{3}q_{1} ight)$	\mathbf{C}
ledq_2232	$\left(\ell_{2}e_{2} ight) \left(d_{3}q_{2} ight)$	\mathbf{C}
ledq_2233	$\left(ar{\ell}_2 e_2 ight)\left(ar{d}_3 q_3 ight)$	\mathbf{C}
ledq_2311	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_1 q_1 ight)$	\mathbf{C}
ledq_2312	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_1 q_2 ight)$	\mathbf{C}
ledq_2313	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_1 q_3 ight)$	\mathbf{C}
ledq_2321	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_2 q_1 ight)$	\mathbf{C}
ledq_2322	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_2 q_2 ight)$	\mathbf{C}
ledq_2323	$\left(ar{\ell}_2 e_3 ight)\left(ar{d}_2 q_3 ight)$	\mathbf{C}
ledq_2331	$\left(\underline{\ell}_{2}e_{3} ight) \left(\underline{d}_{3}q_{1} ight)$	\mathbf{C}
ledq_2332	$\left(ar{\ell}_2 e_3 ight) \left(ar{d}_3 q_2 ight)$	\mathbf{C}
ledq_2333	$\left(ar{\ell}_{2}e_{3} ight)\left(ar{d}_{3}q_{3} ight)$	\mathbf{C}
ledq_3111	$\left(ar{\ell}_3 e_1 ight)\left(ar{d}_1 q_1 ight)$	С
ledq_3112	$\left(ar{\ell}_3 e_1 ight)\left(ar{d}_1 q_2 ight)$	С
ledq_3113	$\left(ar{\ell}_3 e_1 ight)\left(ar{d}_1 q_3 ight)$	\mathbf{C}
ledq_3121	$\left(ar{\ell}_3 e_1 ight)\left(ar{d}_2 q_1 ight)$	С
ledq_3122	$\left(ar{\ell}_3e_1 ight)\left(ar{d}_2q_2 ight)$	С

WC name	Operator	Type
ledq_3123	$\left(ar{\ell}_3 e_1 ight)\left(ar{d}_2 q_3 ight)$	С
ledq_3131	$\left(ar{\ell}_3 e_1 ight)\left(ar{d}_3 q_1 ight)$	\mathbf{C}
ledq_3132	$(ar{\ell}_3 e_1) \ (ar{d}_3 q_2)$	\mathbf{C}
ledq_3133	$\left(ar{\ell}_3e_1 ight)\left(ar{d}_3q_3 ight)$	\mathbf{C}
ledq_3211	$\left(ar{\ell}_3e_2 ight)\left(ar{d}_1q_1 ight)$	\mathbf{C}
ledq_3212	$\left(ar{\ell}_3 e_2 ight)\left(ar{d}_1 q_2 ight)$	\mathbf{C}
ledq_3213	$\left(ar{\ell}_3 e_2 ight)\left(ar{d}_1 q_3 ight)$	\mathbf{C}
ledq_3221	$\left(ar{\ell}_3 e_2 ight)\left(ar{d}_2 q_1 ight)$	\mathbf{C}
ledq_3222	$\left(ar{\ell}_3 e_2 ight)\left(ar{d}_2 q_2 ight)$	\mathbf{C}
ledq_3223	$\left(ar{\ell}_3e_2 ight)\left(ar{d}_2q_3 ight)$	\mathbf{C}
ledq_3231	$\left(ar{\ell}_3 e_2 ight)\left(ar{d}_3 q_1 ight)$	\mathbf{C}
ledq_3232	$\left(ar{\ell}_3e_2 ight)\left(ar{d}_3q_2 ight)$	\mathbf{C}
ledq_3233	$\left(ar{\ell}_3 e_2 ight)\left(ar{d}_3 q_3 ight)$	\mathbf{C}
ledq_3311	$\left(ar{\ell}_3 e_3 ight)\left(ar{d}_1 q_1 ight)$	\mathbf{C}
ledq_3312	$\left(ar{\ell}_3 e_3 ight)\left(ar{d}_1 q_2 ight)$	\mathbf{C}
ledq_3313	$\left(ar{\ell}_3e_3 ight)\left(ar{d}_1q_3 ight)$	\mathbf{C}
ledq_3321	$\left(ar{\ell}_3e_3 ight)\left(ar{d}_2q_1 ight)$	\mathbf{C}
ledq_3322	$\left(ar{\ell}_3e_3 ight)\left(ar{d}_2q_2 ight)$	\mathbf{C}
ledq_3323	$\left(ar{\ell}_3e_3 ight)\left(ar{d}_2q_3 ight)$	\mathbf{C}
ledq_3331	$\left(ar{\ell}_3e_3 ight)\left(ar{d}_3q_1 ight)$	\mathbf{C}
ledq_3332	$\left(ar{\ell}_3 e_3 ight)\left(ar{d}_3 q_2 ight)$	\mathbf{C}
ledq_3333	$\left(ar{\ell}_3e_3 ight)\left(ar{d}_3q_3 ight)$	\mathbf{C}
quqd1_1111	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{1} ight)$	\mathbf{C}
quqd1_1112	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{2} ight)$	\mathbf{C}
quqd1_1113	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{3} ight)$	\mathbf{C}
quqd1_1121	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	\mathbf{C}
quqd1_1122	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	\mathbf{C}
quqd1_1123	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	C
quqd1_1131	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	C
quqd1_1132	$\left(ar{q}_{1}u_{1} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	C
quqd1_1133	$(\bar{q}_1u_1)\epsilon_{jk}(\bar{q}_3d_3)$	С
quqd1_1211	$(\bar{q}_1u_2)\epsilon_{jk}(\bar{q}_1d_1)$	С
quqd1_1212	$(ar{q}_1u_2)\epsilon_{jk}(ar{q}_1d_2)$	$_{\mathrm{C}}^{\mathrm{C}}$
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	$(ar{q}_1 u_2) \epsilon_{jk} (ar{q}_2 d_2)$	C
quqd1_1223 quqd1_1231	$egin{aligned} \left(ar{q}_1 u_2 ight) \epsilon_{jk} \left(ar{q}_2 d_3 ight) \ \left(ar{q}_1 u_2 ight) \epsilon_{jk} \left(ar{q}_3 d_1 ight) \end{aligned}$	C
quqd1_1231 quqd1_1232	$egin{array}{l} (q_1u_2)\epsilon_{jk}(q_3u_1) \ (ar q_1u_2)\epsilon_{jk}(ar q_3d_2) \end{array}$	C
quqd1_1233	$(q_1u_2)\epsilon_{jk}(q_3u_2) \ (ar{q}_1u_2)\epsilon_{jk}(ar{q}_3d_3)$	C
quqd1_1311	$(q_1u_2)\epsilon_{jk}(q_3u_3) \ (\bar{q}_1u_3)\epsilon_{jk}(\bar{q}_1d_1)$	$\stackrel{ m C}{ m C}$
quqd1_1312	$(\bar{q}_1u_3)\epsilon_{jk}(\bar{q}_1d_1) \ (\bar{q}_1u_3)\epsilon_{jk}(\bar{q}_1d_2)$	$\overset{\circ}{\mathrm{C}}$
quqd1_1313	$(ar{q}_1u_3)\epsilon_{jk}(ar{q}_1d_2) \ (ar{q}_1u_3)\epsilon_{jk}(ar{q}_1d_3)$	C
1 -1	(11 0) "]v (110)	_

WC name	Operator	Type
quqd1_1321	$\left(ar{q}_{1}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	С
quqd1_1322	$\left(ar{q}_{1}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_1323	$\left(ar{q}_{1}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_1331	$\left(ar{q}_{1}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	C
quqd1_1332	$\left(ar{q}_{1}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_1333	$\left(ar{q}_{1}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2111	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2112	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2113	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2121	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2122	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2123	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2131	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2132	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2133	$\left(ar{q}_{2}u_{1} ight)\epsilon_{jk}\left(ar{q}_{3}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2211	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{1}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2212	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{1}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2213	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{1}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2221	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2222	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2223	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2231	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2232	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	\mathbf{C}
quqd1_2233	$\left(ar{q}_{2}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}d_{3} ight)$	\mathbf{C}
quqd1_2311	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{1}d_{1} ight)$	\mathbf{C}
quqd1_2312	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{1}d_{2} ight)$	\mathbf{C}
quqd1_2313	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{1}d_{3} ight)$	\mathbf{C}
quqd1_2321	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	\mathbf{C}
quqd1_2322	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	\mathbf{C}
quqd1_2323	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_2331	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_2332	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_2333	$\left(ar{q}_{2}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_3111	$\left(ar{q}_{3}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_3112	$\left(ar{q}_{3}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_3113	$\left(ar{q}_{3}u_{1} ight)\epsilon_{jk}\left(ar{q}_{1}d_{3} ight)$	\mathbf{C}
quqd1_3121	$\left(ar{q}_{3}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_3122	$\left(ar{q}_{3}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_3123	$\left(ar{q}_{3}u_{1} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_3131	$(ar{q}_3u_1)\epsilon_{jk}(ar{q}_3d_1)$	$^{\mathrm{C}}$
quqd1_3132	$(ar{q}_3u_1)\epsilon_{jk}(ar{q}_3d_2)$	$^{\mathrm{C}}$
quqd1_3133	$(\bar{q}_3u_1)\epsilon_{jk}(\bar{q}_3d_3)$	$^{\mathrm{C}}$
quqd1_3211	$(ar{q}_3u_2)\epsilon_{jk}(ar{q}_1d_1)$	$^{\mathrm{C}}$
quqd1_3212	$\left(\bar{q}_{3}u_{2}\right)\epsilon_{jk}\left(\bar{q}_{1}d_{2}\right)$	$^{\mathrm{C}}$

WC name	Operator	Type
quqd1_3213	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_1 d_3)$	C
quqd1_3221	$\left(ar{q}_{3}u_{2} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_3222	$\left(ar{q}_{3}u_{2} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	С
quqd1_3223	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_2 d_3)$	$^{\mathrm{C}}$
quqd1_3231	$\left(ar{q}_{3}u_{2} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_3232	$(\bar{q}_3 u_2) \epsilon_{jk} (\bar{q}_3 d_2)$	$^{\mathrm{C}}$
quqd1_3233	$\left(ar{q}_3 u_2 ight) \epsilon_{jk} \left(ar{q}_3 d_3 ight)$	$^{\mathrm{C}}$
quqd1_3311	$(ar{q}_3u_3)\epsilon_{jk}(ar{q}_1d_1)$	$^{\mathrm{C}}$
quqd1_3312	$\left(\bar{q}_{3}u_{3}\right)\epsilon_{jk}\left(\bar{q}_{1}d_{2}\right)$	$^{\mathrm{C}}$
quqd1_3313	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{1}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_3321	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_3322	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_3323	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{2}d_{3} ight)$	$^{\mathrm{C}}$
quqd1_3331	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{1} ight)$	$^{\mathrm{C}}$
quqd1_3332	$\left(ar{q}_{3}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}d_{2} ight)$	$^{\mathrm{C}}$
quqd1_3333	$\left(ar{q}_3u_3 ight)\epsilon_{jk}\left(ar{q}_3d_3 ight)$	$^{\mathrm{C}}$
quqd8_1111	$\left(ar{q}_1 T^A u_1\right) \epsilon_{jk} \left(ar{q}_1 T^A d_1\right)$	$^{\mathrm{C}}$
quqd8_1112	$\left(ar{q}_1 T^A u_1 ight) \epsilon_{jk} \left(ar{q}_1 T^A d_2 ight)$	$^{\mathrm{C}}$
quqd8_1113	$\left(ar{q}_1 T^A u_1\right) \epsilon_{jk} \left(ar{q}_1 T^A d_3\right)$	$^{\mathrm{C}}$
quqd8_1121	$\left(ar{q}_1 T^A u_1 ight) \epsilon_{jk} \left(ar{q}_2 T^A d_1 ight)$	$^{\mathrm{C}}$
quqd8_1122	$\left(ar{q}_1 T^A u_1 ight) \epsilon_{jk} \left(ar{q}_2 T^A d_2 ight)$	$^{\mathrm{C}}$
quqd8_1123	$\left(ar{q}_1 T^A u_1 ight)\epsilon_{jk}\left(ar{q}_2 T^A d_3 ight)$	$^{\mathrm{C}}$
quqd8_1131	$\left(ar{q}_1 T^A u_1 ight)\epsilon_{jk}\left(ar{q}_3 T^A d_1 ight)$	$^{\mathrm{C}}$
quqd8_1132	$\left\langle ar{q}_1 T^A u_1 \right angle \epsilon_{jk} \left\langle ar{q}_3 T^A d_2 ight angle$	$^{\mathrm{C}}$
quqd8_1133	$\left\langle ar{q}_{1}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{3}T^{A}d_{3} ight angle$	$^{\mathrm{C}}$
quqd8_1211	$\left\langle ar{q}_1 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_1 T^A d_1 ight angle$	\mathbf{C}
quqd8_1212	$\left\langle ar{q}_1 T^A u_2 ight angle \epsilon_{jk} \left\langle ar{q}_1 T^A d_2 ight angle$	\mathbf{C}
quqd8_1213	$\left(ar{q}_1 T^A u_2\right) \epsilon_{jk} \left(ar{q}_1 T^A d_3\right)$	\mathbf{C}
quqd8_1221	$\left(ar{q}_1 T^A u_2 ight) \epsilon_{jk} \left(ar{q}_2 T^A d_1 ight)$	С
quqd8_1222	$\left(ar{q}_1 T^A u_2\right) \epsilon_{jk} \left(ar{q}_2 T^A d_2\right)$	С
quqd8_1223	$\left\langle ar{q}_1 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_3 \right angle$	С
quqd8_1231	$\left\langle ar{q}_1 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_3 T^A d_1 ight angle$	С
quqd8_1232	$\left\langle ar{q}_{1}T^{A}u_{2} ight angle \epsilon_{jk}\left\langle ar{q}_{3}T^{A}d_{2} ight angle$	C
quqd8_1233	$\left\langle \bar{q}_1 T^A u_2 \right\rangle \epsilon_{jk} \left\langle \bar{q}_3 T^A d_3 \right\rangle$	$^{\mathrm{C}}$
quqd8_1311	$\left(ar{q}_1 T^A u_3 ight) \epsilon_{jk} \left(ar{q}_1 T^A d_1 ight)$	C
quqd8_1312	$\left(\bar{q}_1 T^A u_3\right) \epsilon_{jk} \left(\bar{q}_1 T^A d_2\right)$	$^{\mathrm{C}}$
quqd8_1313	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	$^{\mathrm{C}}$
quqd8_1321	$\left\langle ar{q}_1 T^A u_3 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_1 ight angle$	C
quqd8_1322	$\left(ar{q}_1 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_2\right)$	C
quqd8_1323	$\left\langle ar{q}_1 T^A u_3 \right\rangle \epsilon_{jk} \left\langle ar{q}_2 T^A d_3 \right\rangle$	$^{\mathrm{C}}$
quqd8_1331	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	\mathbf{C}
quqd8_1332	$\left\langle ar{q}_1 T^A u_3 \right angle \epsilon_{jk} \left\langle ar{q}_3 T^A d_2 \right angle$	\mathbf{C}
quqd8_1333	$(\bar{q}_1 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_3)$	\mathbf{C}
quqd8_2111	$\left\langle ar{q}_{2}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{1} ight angle$	$^{\mathrm{C}}$
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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	$(\bar{q}_2 T^A u_1) \epsilon_{jk} (\bar{q}_1 T^A d_3)$	$\overset{\circ}{\mathrm{C}}$
quqd8_2121	$\left\langle \bar{q}_2 T^A u_1 \right\rangle \epsilon_{jk} \left\langle \bar{q}_2 T^A d_1 \right\rangle$	$\dot{ ext{C}}$
quqd8_2122	$\left\langle ar{q}_2 T^A u_1 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_2 \right angle$	$\dot{ ext{C}}$
quqd8_2123	$\left(\bar{q}_2 T^A u_1\right) \epsilon_{jk} \left(\bar{q}_2 T^A d_3\right)$	$\dot{ ext{C}}$
quqd8_2131	$\left\langle ar{q}_2 T^A u_1 \right\rangle \epsilon_{jk} \left\langle ar{q}_3 T^A d_1 \right\rangle$	$\dot{ ext{C}}$
quqd8_2132	$\left\langle ar{q}_2 T^A u_1 \right\rangle \epsilon_{jk} \left\langle ar{q}_3 T^A d_2 \right\rangle$	$^{\mathrm{C}}$
quqd8_2133	$\langle \bar{q}_2 T^A u_1 \rangle \epsilon_{jk} \langle \bar{q}_3 T^A d_3 \rangle$	$^{\mathrm{C}}$
quqd8_2211	$\left\langle ar{q}_{2}T^{A}u_{2} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{1} ight angle$	$^{\mathrm{C}}$
quqd8_2212	$\left\langle \bar{q}_2 T^A u_2 \right\rangle \epsilon_{jk} \left\langle \bar{q}_1 T^A d_2 \right\rangle$	$^{\mathrm{C}}$
quqd8_2213	$\langle \bar{q}_2 T^A u_2 \rangle \epsilon_{jk} \langle \bar{q}_1 T^A d_3 \rangle$	\mathbf{C}
quqd8_2221	$\left\langle \bar{q}_2 T^A u_2 \right\rangle \epsilon_{jk} \left\langle \bar{q}_2 T^A d_1 \right\rangle$	\mathbf{C}
quqd8_2222	$\left\langle ar{q}_2 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_2 T^A d_2 ight angle$	\mathbf{C}
quqd8_2223	$(\bar{q}_2 T^A u_2) \epsilon_{jk} (\bar{q}_2 T^A d_3)$	\mathbf{C}
quqd8_2231	$\left\langle ar{q}_2 T^A u_2 \right angle \epsilon_{jk} \left\langle ar{q}_3 T^A d_1 \right angle$	\mathbf{C}
quqd8_2232	$\left(\bar{q}_2 T^A u_2\right) \epsilon_{jk} \left(\bar{q}_3 T^A d_2\right)$	$^{\mathrm{C}}$
quqd8_2233	$\left(\bar{q}_2 T^A u_2\right) \epsilon_{jk} \left(\bar{q}_3 T^A d_3\right)$	$^{\mathrm{C}}$
quqd8_2311	$\left(\bar{q}_2 T^A u_3\right) \epsilon_{jk} \left(\bar{q}_1 T^A d_1\right)$	$^{\mathrm{C}}$
quqd8_2312	$\left(ar{q}_2 T^A u_3 \right) \epsilon_{jk} \left(ar{q}_1 T^A d_2 \right)$	$^{\mathrm{C}}$
quqd8_2313	$\left(\bar{q}_2 T^A u_3\right) \epsilon_{jk} \left(\bar{q}_1 T^A d_3\right)$	$^{\mathrm{C}}$
quqd8_2321	$\left(ar{q}_2 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_1\right)$	$^{\mathrm{C}}$
quqd8_2322	$\left(ar{q}_2 T^A u_3 ight) \epsilon_{jk} \left(ar{q}_2 T^A d_2 ight)$	\mathbf{C}
quqd8_2323	$\left(ar{q}_2 T^A u_3 ight) \epsilon_{jk} \left(ar{q}_2 T^A d_3 ight)$	\mathbf{C}
quqd8_2331	$\left(ar{q}_2 T^A u_3 ight) \epsilon_{jk} \left(ar{q}_3 T^A d_1 ight)$	\mathbf{C}
quqd8_2332	$\left(ar{q}_2 T^A u_3 ight) \epsilon_{jk} \left(ar{q}_3 T^A d_2 ight)$	\mathbf{C}
quqd8_2333	$\left(ar{q}_{2}T^{A}u_{3} ight)\epsilon_{jk}\left(ar{q}_{3}T^{A}d_{3} ight)$	\mathbf{C}
quqd8_3111	$\left(ar{q}_{3}T^{A}u_{1} ight) \epsilon_{jk}\left(ar{q}_{1}T^{A}d_{1} ight)$	\mathbf{C}
quqd8_3112	$\left\langle ar{q}_{3}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{2} ight angle$	$^{\mathrm{C}}$
quqd8_3113	$\left\langle \bar{q}_{3}T^{A}u_{1}\right\rangle \epsilon_{jk}\left\langle \bar{q}_{1}T^{A}d_{3}\right\rangle$	$^{\mathrm{C}}$
quqd8_3121	$\left\langle ar{q}_{3}T^{A}u_{1} ight angle \epsilon_{jk}\left\langle ar{q}_{2}T^{A}d_{1} ight angle$	$^{\mathrm{C}}$
quqd8_3122	$\left(\bar{q}_3 T^A u_1\right) \epsilon_{jk} \left(\bar{q}_2 T^A d_2\right)$	\mathbf{C}
quqd8_3123	$\left(\bar{q}_3 T^A u_1\right) \epsilon_{jk} \left(\bar{q}_2 T^A d_3\right)$	\mathbf{C}
quqd8_3131	$\left(\bar{q}_3 T^A u_1\right) \epsilon_{jk} \left(\bar{q}_3 T^A d_1\right)$	\mathbf{C}
quqd8_3132	$\left(ar{q}_{3}T^{A}u_{1} ight) \epsilon_{jk}\left(ar{q}_{3}T^{A}d_{2} ight)$	\mathbf{C}
quqd8_3133	$\left(\bar{q}_3 T^A u_1\right) \epsilon_{jk} \left(\bar{q}_3 T^A d_3\right)$	\mathbf{C}
quqd8_3211	$\left(ar{q}_{3}T^{A}u_{2} ight) \epsilon_{jk}\left(ar{q}_{1}T^{A}d_{1} ight)$	C
quqd8_3212	$\left(\bar{q}_3 T^A u_2\right) \epsilon_{jk} \left(\bar{q}_1 T^A d_2\right)$	C
quqd8_3213	$\left\langle ar{q}_{3}T^{A}u_{2} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{3} ight angle$	C
quqd8_3221	$\left\langle \bar{q}_3 T^A u_2 \right\rangle \epsilon_{jk} \left\langle \bar{q}_2 T^A d_1 \right\rangle$	C
quqd8_3222	$\left(\bar{q}_{3}T^{A}u_{2}\right)\epsilon_{jk}\left(\bar{q}_{2}T^{A}d_{2}\right)$	C
quqd8_3223	$\left(\bar{q}_3 T^A u_2\right) \epsilon_{jk} \left(\bar{q}_2 T^A d_3\right)$	C
quqd8_3231	$\left\langle \bar{q}_{3}T^{A}u_{2}\right\rangle \epsilon_{jk}\left\langle \bar{q}_{3}T^{A}d_{1}\right\rangle$	C
quqd8_3232	$\left(\bar{q}_{3}T^{A}u_{2}\right)\epsilon_{jk}\left(\bar{q}_{3}T^{A}d_{2}\right)$	С
quqd8_3233	$\left(\bar{q}_3 T^A u_2\right) \epsilon_{jk} \left(\bar{q}_3 T^A d_3\right)$	\mathbf{C}

WC name	Operator	Type
quqd8_3311	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_1)$	С
quqd8_3312	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_1 T^A d_2)$	$^{\mathrm{C}}$
quqd8_3313	$\left\langle ar{q}_{3}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{1}T^{A}d_{3} ight angle$	$^{\mathrm{C}}$
quqd8_3321	$\left\langle ar{q}_{3}T^{A}u_{3} ight angle \epsilon_{jk}\left\langle ar{q}_{2}T^{A}d_{1} ight angle$	$^{\mathrm{C}}$
quqd8_3322	$\left(ar{q}_3 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_2\right)$	$^{\mathrm{C}}$
quqd8_3323	$\left(ar{q}_3 T^A u_3\right) \epsilon_{jk} \left(ar{q}_2 T^A d_3\right)$	$^{\mathrm{C}}$
quqd8_3331	$(\bar{q}_3 T^A u_3) \epsilon_{jk} (\bar{q}_3 T^A d_1)$	$^{\mathrm{C}}$
quqd8_3332	$\left(\bar{q}_3 T^A u_3\right) \epsilon_{jk} \left(\bar{q}_3 T^A d_2\right)$	$^{\mathrm{C}}$
quqd8_3333	$\left(\bar{q}_3T^Au_3\right)\epsilon_{jk}\left(\bar{q}_3T^Ad_3\right)$	$^{\mathrm{C}}$
lequ1_1111	$\left(\ell_{1}e_{1} ight) \epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1112	$\left(\underline{\ell}_{1}e_{1} ight) \epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1113	$\left(\ell_{1}e_{1} ight) \epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1121	$\left(ar{\ell}_{1}e_{1} ight) \epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1122	$\left(\ell_{1}e_{1} ight) \epsilon_{jk}\left(ar{q}_{2}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1123	$\left(\ell_{1}e_{1} ight) \epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1131	$\left(\ell_{1}e_{1} ight)\epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1132	$\left(\underline{\ell}_{1}e_{1} ight) \epsilon_{jk}\left(ar{q}_{3}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1133	$\left(\ell_{1}e_{1} ight) \epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1211	$\left(\ell_{1}e_{2} ight) \epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1212	$\left(\ell_{1}e_{2} ight) \epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1213	$\left(\ell_{1}e_{2} ight) \epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1221	$\left(\ell_{1}e_{2} ight) \epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1222	$\left(\ell_{1}e_{2} ight) \epsilon_{jk}\left(ar{q}_{2}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1223	$\left(\ell_{1}e_{2} ight) \epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1231	$\left(\ell_{1}e_{2} ight)\epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	\mathbf{C}
lequ1_1232	$\left(\ell_{1}e_{2} ight) \epsilon_{jk}\left(ar{q}_{3}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1233	$\left(\ell_{1}e_{2} ight) \epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1311	$\left(ar{\ell}_{1}e_{3} ight) \epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1312	$\left(\ell_{1}e_{3} ight) \epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1313	$\left(ar{\ell}_{1}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1321	$\left(ar{\ell}_{1}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1322	$\left(ar{\ell}_{1}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_1323	$\left(ar{\ell}_{1}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_1331	$\left(ar{\ell}_{1}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_1332	$\left(ar{\ell}_1 e_3\right) \epsilon_{jk} \left(ar{q}_3 u_2 ight)$	$^{\mathrm{C}}$
lequ1_1333	$\left(ar{\ell}_{1}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	\mathbf{C}
lequ1_2111	$\left(ar{\ell}_{2}e_{1} ight)\epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_2112	$\left(ar{\ell}_{2}e_{1} ight)\epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_2113	$\left(ar{\ell}_{2}e_{1} ight)\epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	$^{\mathrm{C}}$
lequ1_2121	$\left(ar{\ell}_{2}e_{1} ight)\epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	$^{\mathrm{C}}$
lequ1_2122	$\left(ar{\ell}_{2}e_{1} ight)\epsilon_{jk}\left(ar{q}_{2}u_{2} ight)$	$^{\mathrm{C}}$
lequ1_2123	$\left(ar{\ell}_{2}e_{1} ight)\epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	$^{\mathrm{C}}$

WC name	Operator	Type
lequ1_2131	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_3 u_1)$	С
lequ1_2132	$(\bar{\ell}_2 e_1) \epsilon_{jk} (\bar{q}_3 u_2)$	\mathbf{C}
lequ1_2133	$(ar{\ell}_2 e_1) \epsilon_{jk} (ar{q}_3 u_3)$	\mathbf{C}
lequ1_2211	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	\mathbf{C}
lequ1_2212	$(ar{\ell}_2 e_2) \epsilon_{jk} (ar{q}_1 u_2)$	\mathbf{C}
lequ1_2213	$(ar{\ell}_2 e_2)\epsilon_{jk}(ar{q}_1 u_3)$	\mathbf{C}
lequ1_2221	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	\mathbf{C}
lequ1_2222	$\left(ar{\ell}_2 e_2 ight)\epsilon_{jk}\left(ar{q}_2 u_2 ight)$	\mathbf{C}
lequ1_2223	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	\mathbf{C}
lequ1_2231	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	\mathbf{C}
lequ1_2232	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{3}u_{2} ight)$	\mathbf{C}
lequ1_2233	$\left(ar{\ell}_{2}e_{2} ight)\epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	\mathbf{C}
lequ1_2311	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{1} ight)$	\mathbf{C}
lequ1_2312	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	\mathbf{C}
lequ1_2313	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	\mathbf{C}
lequ1_2321	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{1} ight)$	\mathbf{C}
lequ1_2322	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{2} ight)$	\mathbf{C}
lequ1_2323	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{2}u_{3} ight)$	\mathbf{C}
lequ1_2331	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}u_{1} ight)$	\mathbf{C}
lequ1_2332	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}u_{2} ight)$	\mathbf{C}
lequ1_2333	$\left(ar{\ell}_{2}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	\mathbf{C}
lequ1_3111	$\left(ar{\ell}_3e_1 ight)\epsilon_{jk}\left(ar{q}_1u_1 ight)$	\mathbf{C}
lequ1_3112	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_1 u_2 ight)$	\mathbf{C}
lequ1_3113	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_1 u_3 ight)$	\mathbf{C}
lequ1_3121	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_2 u_1 ight)$	\mathbf{C}
lequ1_3122	$\left(ar{\ell}_3 e_1 ight)\epsilon_{jk}\left(ar{q}_2 u_2 ight)$	\mathbf{C}
lequ1_3123	$\left(ar{\ell}_3e_1 ight)\epsilon_{jk}\left(ar{q}_2u_3 ight)$	\mathbf{C}
lequ1_3131	$\left(ar{\ell}_3 e_1\right) \epsilon_{jk} \left(ar{q}_3 u_1\right)$	\mathbf{C}
lequ1_3132	$(ar{\ell}_3 e_1) \epsilon_{jk} (ar{q}_3 u_2)$	\mathbf{C}
lequ1_3133	$\left(ar{\ell}_3e_1 ight)\epsilon_{jk}\left(ar{q}_3u_3 ight)$	\mathbf{C}
lequ1_3211	$\left(ar{\ell}_3 e_2 ight)\epsilon_{jk}\left(ar{q}_1 u_1 ight)$	\mathbf{C}
lequ1_3212	$\left(ar{\ell}_3 e_2\right) \epsilon_{jk} \left(ar{q}_1 u_2 ight)$	\mathbf{C}
lequ1_3213	$\left(ar{\ell}_3 e_2 ight)\epsilon_{jk}\left(ar{q}_1 u_3 ight)$	\mathbf{C}
lequ1_3221	$\left(ar{\ell}_3 e_2 ight)\epsilon_{jk}\left(ar{q}_2 u_1 ight)$	\mathbf{C}
lequ1_3222	$(ar{\ell}_3 e_2) \epsilon_{jk} (ar{q}_2 u_2)$	\mathbf{C}
lequ1_3223	$\left(ar{\ell}_3 e_2\right) \epsilon_{jk} \left(ar{q}_2 u_3 ight)$	\mathbf{C}
lequ1_3231	$\left(ar{\ell}_3 e_2 ight)\epsilon_{jk}\left(ar{q}_3 u_1 ight)$	\mathbf{C}
lequ1_3232	$\left(ar{\ell}_3 e_2 ight)\epsilon_{jk}\left(ar{q}_3 u_2 ight)$	\mathbf{C}
lequ1_3233	$\left(ar{\ell}_{3}e_{2} ight)\epsilon_{jk}\left(ar{q}_{3}u_{3} ight)$	\mathbf{C}
lequ1_3311	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_1 u_1)$	\mathbf{C}
lequ1_3312	$\left(ar{\ell}_{3}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{2} ight)$	\mathbf{C}
lequ1_3313	$\left(ar{\ell}_{3}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}u_{3} ight)$	\mathbf{C}

WC name	Operator	Type
lequ1_3321	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_2 u_1)$	C
lequ1_3322	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_2 u_2)$	$^{\mathrm{C}}$
lequ1_3323	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_2 u_3)$	$^{\mathrm{C}}$
lequ1_3331	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_3 u_1)$	\mathbf{C}
lequ1_3332	$(ar{\ell}_3 e_3) \epsilon_{jk} (ar{q}_3 u_2)$	$^{\mathrm{C}}$
lequ1_3333	$(\bar{\ell}_3 e_3) \epsilon_{jk} (\bar{q}_3 u_3)$	\mathbf{C}
lequ3_1111	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{1} ight)\epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu u}u_{1} ight)$	\mathbf{C}
lequ3_1112	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1113	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_1121	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_1122	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1123	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_1131	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_1132	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1133	$\left(ar{\ell}_1\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_1211	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{2} ight)\epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu u}u_{1} ight)$	\mathbf{C}
lequ3_1212	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{2} ight)\epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu u}u_{2} ight)$	\mathbf{C}
lequ3_1213	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_1221	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{2} ight)\epsilon_{jk}\left(ar{q}_{2}\sigma^{\mu u}u_{1} ight)$	\mathbf{C}
lequ3_1222	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{2} ight)\epsilon_{jk}\left(ar{q}_{2}\sigma^{\mu u}u_{2} ight)$	\mathbf{C}
lequ3_1223	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_1231	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_1232	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_1233	$\left(ar{\ell}_1\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_1311	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_1312	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{3} ight)\epsilon_{jk}\left(ar{q}_{1}\sigma^{\mu u}u_{2} ight)$	\mathbf{C}
lequ3_1313	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_1321	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_1322	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1323	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_1331	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_1332	$\left(ar{\ell}_1\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_1333	$\left(ar{\ell}_{1}\sigma_{\mu u}e_{3} ight)\epsilon_{jk}\left(ar{q}_{3}\sigma^{\mu u}u_{3} ight)$	\mathbf{C}
lequ3_2111	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_2112	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_2113	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_2121	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_2122	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_2123	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_2131	$(ar{\ell}_2\sigma_{\mu u}e_1)\epsilon_{jk}(ar{q}_3\sigma^{\mu u}u_1)$	\mathbf{C}
lequ3_2132	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_2133	$\left(ar{\ell}_2\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$

WC name	Operator	Type
lequ3_2211	$\left(\bar{\ell}_2\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(\bar{q}_1\sigma^{\mu\nu}u_1\right)$	С
lequ3_2212	$(\bar{\ell}_2\sigma_{\mu\nu}e_2)$ ϵ_{jk} $(\bar{q}_1\sigma^{\mu\nu}u_2)$	$^{\mathrm{C}}$
lequ3_2213	$\left(\bar{\ell}_2\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(\bar{q}_1\sigma^{\mu\nu}u_3\right)$	$^{\mathrm{C}}$
lequ3_2221	$(\bar{\ell}_2 \sigma_{\mu\nu} e_2) \epsilon_{jk} (\bar{q}_2 \sigma^{\mu\nu} u_1)$	$^{\mathrm{C}}$
lequ3_2222	$(\bar{\ell}_2\sigma_{\mu\nu}e_2)\epsilon_{jk}(\bar{q}_2\sigma^{\mu\nu}u_2)$	$^{\mathrm{C}}$
lequ3_2223	$(\bar{\ell}_2 \sigma_{\mu\nu} e_2) \epsilon_{jk} (\bar{q}_2 \sigma^{\mu\nu} u_3)$	\mathbf{C}
lequ3_2231	$\left(ar{\ell}_2\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_2232	$\left(ar{\ell}_2\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_2233	$\left(\bar{\ell}_2\sigma_{\mu u}e_2\right)\epsilon_{jk}\left(\bar{q}_3\sigma^{\mu u}u_3\right)$	\mathbf{C}
lequ3_2311	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	\mathbf{C}
lequ3_2312	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_2 ight)$	\mathbf{C}
lequ3_2313	$\left(\bar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(\bar{q}_1\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_2321	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	$^{\mathrm{C}}$
lequ3_2322	$\left(\ell_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_2323	$\left(ar{\ell}_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_2331	$\left(\ell_{2}\sigma_{\mu\nu}e_{3}\right)\epsilon_{jk}\left(ar{q}_{3}\sigma^{\mu\nu}u_{1}\right)$	$^{\mathrm{C}}$
lequ3_2332	$\left(\ell_2\sigma_{\mu\nu}e_3\right)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight)$	C
lequ3_2333	$\left(\ell_2\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight)$	$^{\mathrm{C}}$
lequ3_3111	$\left(\ell_3 \sigma_{\mu u} e_1\right) \epsilon_{jk} \left(ar{q}_1 \sigma^{\mu u} u_1 ight)$	$^{\mathrm{C}}$
lequ3_3112	$\left(\ell_3 \sigma_{\mu u} e_1\right) \epsilon_{jk} \left(ar{q}_1 \sigma^{\mu u} u_2 \right)$	$^{\mathrm{C}}$
lequ3_3113	$\left(\ell_3 \sigma_{\mu\nu} e_1\right) \epsilon_{jk} \left(\bar{q}_1 \sigma^{\mu\nu} u_3\right)$	$^{\mathrm{C}}$
lequ3_3121	$\left(\ell_3 \sigma_{\mu \nu} e_1\right) \epsilon_{jk} \left(\bar{q}_2 \sigma^{\mu \nu} u_1 \right)$	$^{\mathrm{C}}$
lequ3_3122	$\left(ar{\ell}_3\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_3123	$\left(\bar{\ell}_3 \sigma_{\mu u} e_1\right) \epsilon_{jk} \left(\bar{q}_2 \sigma^{\mu u} u_3\right)$	$^{\mathrm{C}}$
lequ3_3131	$\left(\bar{\ell}_3 \sigma_{\mu u} e_1\right) \epsilon_{jk} \left(\bar{q}_3 \sigma^{\mu u} u_1\right)$	$^{\mathrm{C}}$
lequ3_3132	$\left(\bar{\ell}_3\sigma_{\mu u}e_1 ight)\epsilon_{jk}\left(\bar{q}_3\sigma^{\mu u}u_2 ight)$	$^{\mathrm{C}}$
lequ3_3133	$\left(\bar{\ell}_3\sigma_{\mu u}e_1\right)\epsilon_{jk}\left(\bar{q}_3\sigma^{\mu u}u_3 ight)$	\mathbf{C}
lequ3_3211	$\left(\bar{\ell}_3 \sigma_{\mu u} e_2\right) \epsilon_{jk} \left(\bar{q}_1 \sigma^{\mu u} u_1\right)$	$^{\mathrm{C}}$
lequ3_3212	$\left(ar{\ell}_3 \sigma_{\mu u} e_2 ight) \epsilon_{jk} \left(ar{q}_1 \sigma^{\mu u} u_2 ight)$	$^{\mathrm{C}}$
lequ3_3213	$\left(ar{\ell}_3\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3 ight)$	C
lequ3_3221	$\left(ar{\ell}_3\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	C
lequ3_3222	$\left(\bar{\ell}_3\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(\bar{q}_2\sigma^{\mu\nu}u_2\right)$	C
lequ3_3223	$\left(\bar{\ell}_3\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(\bar{q}_2\sigma^{\mu\nu}u_3\right)$	C
lequ3_3231	$\left(ar{\ell}_3\sigma_{\mu u}e_2 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight)$	C
lequ3_3232	$\left(\bar{\ell}_3\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(\bar{q}_3\sigma^{\mu\nu}u_2\right)$	C
lequ3_3233	$\left(\bar{\ell}_3\sigma_{\mu\nu}e_2\right)\epsilon_{jk}\left(\bar{q}_3\sigma^{\mu\nu}u_3\right)$	C
lequ3_3311	$\left(ar{\ell}_3\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_1 ight)$	C
lequ3_3312	$\left(\bar{\ell}_3\sigma_{\mu\nu}e_3\right)\epsilon_{jk}\left(\bar{q}_1\sigma^{\mu\nu}u_2\right)$	C
lequ3_3313	$\left(ar{\ell}_3\sigma_{\mu u}e_3\right)\epsilon_{jk}\left(ar{q}_1\sigma^{\mu u}u_3\right)$	C
lequ3_3321	$\left(ar{\ell}_3\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_1 ight)$	С
lequ3_3322	$\left(ar{\ell}_3\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_2\sigma^{\mu u}u_2 ight)$	С
lequ3_3323	$\left(\bar{\ell}_3\sigma_{\mu\nu}e_3\right)\epsilon_{jk}\left(\bar{q}_2\sigma^{\mu\nu}u_3\right)$	$^{\mathrm{C}}$

WC name	Operator	Type
lequ3_3331	$\left(\bar{\ell}_{3}\sigma_{\mu u}e_{3}\right)\epsilon_{jk}\left(\bar{q}_{3}\sigma^{\mu u}u_{1}\right)$	C
lequ3_3332	$(\bar{\ell}_3 \sigma_{\mu u} e_3) \epsilon_{jk} (\bar{q}_3 \sigma^{\mu u} u_2)$	$^{\mathrm{C}}$
lequ3_3333	$egin{aligned} \left(ar{\ell}_3\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_1 ight) \ \left(ar{\ell}_3\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_2 ight) \ \left(ar{\ell}_3\sigma_{\mu u}e_3 ight)\epsilon_{jk}\left(ar{q}_3\sigma^{\mu u}u_3 ight) \end{aligned}$	\mathbf{C}

dB=dL=1

WC name	Operator	Type
duql_1111	$(d_1Cu_1)(q_1C\ell_1)$	C
duq1_1112	$(d_1Cu_1)(q_1C\ell_2)$	$^{\mathrm{C}}$
duq1_1113	$(d_1Cu_1)(q_1C\ell_3)$	$^{\mathrm{C}}$
duql_1121	$(d_1Cu_1)(q_2C\ell_1)$	$^{\mathrm{C}}$
duql_1122	$(d_1Cu_1)(q_2C\ell_2)$	$^{\mathrm{C}}$
duq1_1123	$\left(d_1Cu_1\right)\left(q_2C\ell_3\right)$	$^{\mathrm{C}}$
duql_1131	$\left(d_{1}Cu_{1}\right)\left(q_{3}C\ell_{1}\right)$	\mathbf{C}
duq1_1132	$\left(d_{1}Cu_{1}\right)\left(q_{3}C\ell_{2}\right)$	\mathbf{C}
duq1_1133	$(d_1Cu_1)(q_3C\ell_3)$	\mathbf{C}
duql_1211	$\left(d_{1}Cu_{2}\right)\left(q_{1}C\ell_{1}\right)$	$^{\mathrm{C}}$
duql_1212	$\left(d_{1}Cu_{2}\right)\left(q_{1}C\ell_{2}\right)$	$^{\mathrm{C}}$
duq1_1213	$\left(d_{1}Cu_{2}\right)\left(q_{1}C\ell_{3}\right)$	$^{\mathrm{C}}$
duq1_1221	$\left(d_{1}Cu_{2}\right)\left(q_{2}C\ell_{1}\right)$	$^{\mathrm{C}}$
duq1_1222	$\left(d_{1}Cu_{2}\right)\left(q_{2}C\ell_{2}\right)$	\mathbf{C}
duq1_1223	$\left(d_{1}Cu_{2}\right)\left(q_{2}C\ell_{3}\right)$	\mathbf{C}
duq1_1231	$\left(d_{1}Cu_{2}\right)\left(q_{3}C\ell_{1}\right)$	\mathbf{C}
duq1_1232	$\left(d_{1}Cu_{2}\right)\left(q_{3}C\ell_{2}\right)$	\mathbf{C}
duq1_1233	$\left(d_{1}Cu_{2}\right)\left(q_{3}C\ell_{3}\right)$	\mathbf{C}
duq1_1311	$\left(d_{1}Cu_{3}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
duq1_1312	$\left(d_{1}Cu_{3}\right)\left(q_{1}C\ell_{2}\right)$	\mathbf{C}
duq1_1313	$\left(d_{1}Cu_{3}\right)\left(q_{1}C\ell_{3}\right)$	\mathbf{C}
duq1_1321	$(d_1Cu_3)(q_2C\ell_1)$	\mathbf{C}
duq1_1322	$\left(d_{1}Cu_{3}\right)\left(q_{2}C\ell_{2}\right)$	\mathbf{C}
duq1_1323	$(d_1Cu_3)(q_2C\ell_3)$	\mathbf{C}
duq1_1331	$\left(d_{1}Cu_{3}\right)\left(q_{3}C\ell_{1}\right)$	\mathbf{C}
duq1_1332	$\left(d_{1}Cu_{3}\right)\left(q_{3}C\ell_{2}\right)$	\mathbf{C}
duq1_1333	$(d_1Cu_3)(q_3C\ell_3)$	$^{\mathrm{C}}$
duq1_2111	$\left(d_{2}Cu_{1}\right)\left(q_{1}C\ell_{1}\right)$	$^{\mathrm{C}}$
duq1_2112	$(d_2Cu_1)(q_1C\ell_2)$	$^{\mathrm{C}}$
duq1_2113	$(d_2Cu_1)(q_1C\ell_3)$	C
duq1_2121	$(d_2Cu_1)(q_2C\ell_1)$	C
duq1_2122	$(d_2Cu_1)(q_2C\ell_2)$	C
duq1_2123	$\left(d_2Cu_1\right)\left(q_2C\ell_3\right)$	C
duq1_2131	$\left(d_{2}Cu_{1}\right)\left(q_{3}C\ell_{1}\right)$	C
duq1_2132	$\left(d_{2}Cu_{1}\right)\left(q_{3}C\ell_{2}\right)$	$^{\mathrm{C}}$

WC name	Operator	Type
duq1_2133	$(d_2Cu_1)(q_3C\ell_3)$	С
duq1_2211	$\left(d_{2}Cu_{2}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
duq1_2212	$\left(d_{2}Cu_{2}\right)\left(q_{1}C\ell_{2}\right)$	\mathbf{C}
duq1_2213	$\left(d_{2}Cu_{2}\right)\left(q_{1}C\ell_{3}\right)$	\mathbf{C}
duq1_2221	$\left(d_{2}Cu_{2}\right)\left(q_{2}C\ell_{1}\right)$	\mathbf{C}
duq1_2222	$\left(d_{2}Cu_{2}\right)\left(q_{2}C\ell_{2}\right)$	\mathbf{C}
duq1_2223	$\left(d_{2}Cu_{2}\right)\left(q_{2}C\ell_{3}\right)$	\mathbf{C}
duq1_2231	$\left(d_{2}Cu_{2}\right)\left(q_{3}C\ell_{1}\right)$	\mathbf{C}
duq1_2232	$\left(d_{2}Cu_{2}\right)\left(q_{3}C\ell_{2}\right)$	\mathbf{C}
duq1_2233	$\left(d_{2}Cu_{2}\right)\left(q_{3}C\ell_{3}\right)$	\mathbf{C}
duq1_2311	$\left(d_{2}Cu_{3}\right)\left(q_{1}C\ell_{1}\right)$	\mathbf{C}
duq1_2312	$(d_2Cu_3)(q_1C\ell_2)$	\mathbf{C}
duq1_2313	$(d_2Cu_3)(q_1C\ell_3)$	\mathbf{C}
duq1_2321	$\left(d_{2}Cu_{3}\right)\left(q_{2}C\ell_{1}\right)$	\mathbf{C}
duq1_2322	$(d_2Cu_3)(q_2C\ell_2)$	\mathbf{C}
duq1_2323	$(d_2Cu_3)(q_2C\ell_3)$	\mathbf{C}
duq1_2331	$(d_2Cu_3)(q_3C\ell_1)$	\mathbf{C}
duq1_2332	$(d_2Cu_3)(q_3C\ell_2)$	\mathbf{C}
duq1_2333	$(d_2Cu_3)(q_3C\ell_3)$	\mathbf{C}
duql_3111	$(d_3Cu_1)(q_1C\ell_1)$	\mathbf{C}
duq1_3112	$\left(d_3Cu_1\right)\left(q_1C\ell_2\right)$	\mathbf{C}
duq1_3113	$(d_3Cu_1)(q_1C\ell_3)$	\mathbf{C}
duq1_3121	$(d_3Cu_1)(q_2C\ell_1)$	\mathbf{C}
duq1_3122	$(d_3Cu_1)(q_2C\ell_2)$	\mathbf{C}
duq1_3123	$(d_3Cu_1)(q_2C\ell_3)$	\mathbf{C}
duq1_3131	$(d_3Cu_1)(q_3C\ell_1)$	\mathbf{C}
duq1_3132	$(d_3Cu_1)(q_3C\ell_2)$	\mathbf{C}
duq1_3133	$(d_3Cu_1)(q_3C\ell_3)$	C
duq1_3211	$(d_3Cu_2)(q_1C\ell_1)$	C
duq1_3212	$(d_3Cu_2)(q_1C\ell_2)$	C
duq1_3213	$(d_3Cu_2)(q_1C\ell_3)$	C
duq1_3221	$(d_3Cu_2)(q_2C\ell_1)$	C
duq1_3222	$(d_3Cu_2)(q_2C\ell_2)$	C
duq1_3223	$(d_3Cu_2)(q_2C\ell_3)$	C
duq1_3231	$(d_3Cu_2)(q_3C\ell_1)$	C
duq1_3232	$(d_3Cu_2)(q_3C\ell_2)$	C
duq1_3233	$(d_3Cu_2)(q_3C\ell_3)$	$\stackrel{ ext{C}}{\approx}$
duq1_3311	$(d_3Cu_3)(q_1C\ell_1)$	$\stackrel{ ext{C}}{\sim}$
duq1_3312	$(d_3Cu_3)(q_1C\ell_2)$	С
duq1_3313	$(d_3Cu_3)(q_1C\ell_3)$	С
duq1_3321	$(d_3Cu_3)(q_2C\ell_1)$	С
duq1_3322	$(d_3Cu_3)(q_2C\ell_2)$	С
duq1_3323	$(d_3Cu_3)(q_2C\ell_3)$	С
duq1_3331	$(d_3Cu_3)(q_3C\ell_1)$	$^{\mathrm{C}}$

WC name	Operator	Type
duq1_3332	$\left(d_3Cu_3\right)\left(q_3C\ell_2\right)$	C
duq1_3333	$\left(d_3Cu_3\right)\left(q_3C\ell_3\right)$	$^{\mathrm{C}}$
qque_1111	$\left(q_{1}Cq_{1}\right)\left(u_{1}Ce_{1}\right)$	$^{\mathrm{C}}$
qque_1112	$\left(q_{1}Cq_{1}\right)\left(u_{1}Ce_{2}\right)$	$^{\mathrm{C}}$
qque_1113	$(q_1Cq_1)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_1121	$\left(q_{1}Cq_{1}\right)\left(u_{2}Ce_{1}\right)$	$^{\mathrm{C}}$
qque_1122	$\left(q_{1}Cq_{1}\right)\left(u_{2}Ce_{2}\right)$	$^{\mathrm{C}}$
qque_1123	$(q_1Cq_1)(u_2Ce_3)$	$^{\mathrm{C}}$
qque_1131	$\left(q_{1}Cq_{1}\right)\left(u_{3}Ce_{1}\right)$	$^{\mathrm{C}}$
qque_1132	$(q_1Cq_1)(u_3Ce_2)$	$^{\mathrm{C}}$
qque_1133	$\left(q_{1}Cq_{1}\right)\left(u_{3}Ce_{3}\right)$	$^{\mathrm{C}}$
qque_1211	$\left(q_{1}Cq_{2}\right)\left(u_{1}Ce_{1}\right)$	$^{\mathrm{C}}$
qque_1212	$(q_1Cq_2)(u_1Ce_2)$	$^{\mathrm{C}}$
qque_1213	$(q_1Cq_2)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_1221	$\left(q_{1}Cq_{2}\right)\left(u_{2}Ce_{1}\right)$	$^{\mathrm{C}}$
qque_1222	$\left(q_1 C q_2\right) \left(u_2 C e_2\right)$	С
qque_1223	$(q_1Cq_2)(u_2Ce_3)$	С
qque_1231	$\left(q_{1}Cq_{2}\right)\left(u_{3}Ce_{1}\right)$	$^{\mathrm{C}}$
qque_1232	$(q_1Cq_2)(u_3Ce_2)$	$^{\mathrm{C}}$
qque_1233	$(q_1Cq_2)(u_3Ce_3)$	$^{\mathrm{C}}$
qque_1311	$(q_1Cq_3)(u_1Ce_1)$	$^{\mathrm{C}}$
qque_1312	$(q_1Cq_3)(u_1Ce_2)$	$^{\mathrm{C}}$
qque_1313	$(q_1Cq_3)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_1321	$\left(q_{1}Cq_{3}\right)\left(u_{2}Ce_{1}\right)$	C
qque_1322	$\left(q_1 C q_3\right) \left(u_2 C e_2\right)$	C
qque_1323	$\left(q_{1}Cq_{3}\right)\left(u_{2}Ce_{3}\right)$	С
qque_1331	$\left(q_{1}Cq_{3}\right)\left(u_{3}Ce_{1}\right)$	С
qque_1332	$\left(q_{1}Cq_{3}\right)\left(u_{3}Ce_{2}\right)$	С
qque_1333	$(q_1Cq_3)(u_3Ce_3)$	$^{\mathrm{C}}$
qque_2211	$\left(q_{2}Cq_{2}\right)\left(u_{1}Ce_{1}\right)$	С
qque_2212	$\left(q_{2}Cq_{2}\right)\left(u_{1}Ce_{2}\right)$	$^{\mathrm{C}}$
qque_2213	$(q_2Cq_2)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_2221	$\left(q_{2}Cq_{2}\right)\left(u_{2}Ce_{1}\right)$	С
qque_2222	$\left(q_2 C q_2\right) \left(u_2 C e_2\right)$	$^{\mathrm{C}}$
qque_2223	$(q_2Cq_2)(u_2Ce_3)$	$^{\mathrm{C}}$
qque_2231	$(q_2Cq_2)(u_3Ce_1)$	$^{\mathrm{C}}$
qque_2232	$(q_2Cq_2)(u_3Ce_2)$	$^{\mathrm{C}}$
qque_2233	$(q_2Cq_2)(u_3Ce_3)$	\mathbf{C}
qque_2311	$\left(q_{2}Cq_{3}\right)\left(u_{1}Ce_{1}\right)$	$^{\mathrm{C}}$
qque_2312	$(q_2Cq_3)(u_1Ce_2)$	$^{\mathrm{C}}$
qque_2313	$(q_2Cq_3)(u_1Ce_3)$	$^{\mathrm{C}}$
qque_2321	$(q_2Cq_3)(u_2Ce_1)$	$^{\mathrm{C}}$
qque_2322	$(q_2Cq_3)(u_2Ce_2)$	$^{\mathrm{C}}$
qque_2323	$(q_2Cq_3)(u_2Ce_3)$	$^{\mathrm{C}}$
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WC name	Operator	Type
qque_2331	$\left(q_{2}Cq_{3}\right)\left(u_{3}Ce_{1}\right)$	\mathbf{C}
qque_2332	$\left(q_{2}Cq_{3}\right)\left(u_{3}Ce_{2}\right)$	\mathbf{C}
qque_2333	$\left(q_{2}Cq_{3}\right)\left(u_{3}Ce_{3}\right)$	\mathbf{C}
qque_3311	$\left(q_{3}Cq_{3}\right)\left(u_{1}Ce_{1}\right)$	\mathbf{C}
qque_3312	$\left(q_{3}Cq_{3}\right)\left(u_{1}Ce_{2}\right)$	\mathbf{C}
qque_3313	$\left(q_{3}Cq_{3}\right)\left(u_{1}Ce_{3}\right)$	\mathbf{C}
qque_3321	$\left(q_3Cq_3\right)\left(u_2Ce_1\right)$	\mathbf{C}
qque_3322	$\left(q_3Cq_3\right)\left(u_2Ce_2\right)$	\mathbf{C}
qque_3323	$\left(q_{3}Cq_{3}\right)\left(u_{2}Ce_{3}\right)$	\mathbf{C}
qque_3331	$\left(q_{3}Cq_{3}\right)\left(u_{3}Ce_{1}\right)$	\mathbf{C}
qque_3332	$\left(q_{3}Cq_{3}\right)\left(u_{3}Ce_{2}\right)$	\mathbf{C}
qque_3333	$\left(q_{3}Cq_{3}\right)\left(u_{3}Ce_{3}\right)$	\mathbf{C}
qqql_1111	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{1}C\ell_{1} ight)$	\mathbf{C}
qqql_1112	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{1}C\ell_{2} ight)$	\mathbf{C}
qqql_1113	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{1}C\ell_{3} ight)$	\mathbf{C}
qqql_1121	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{2}C\ell_{1} ight)$	\mathbf{C}
qqql_1122	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{2}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqql_1123	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{2}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqql_1131	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1}\right)\left(q_{3}C\ell_{1}\right)$	C
qqql_1132	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1} ight)\left(q_{3}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqql_1133	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{1}\right)\left(q_{3}C\ell_{3}\right)$	$^{\mathrm{C}}$
qqql_1211	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{1}C\ell_{1}\right)$	$^{\mathrm{C}}$
qqql_1212	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2} ight)\left(q_{1}C\ell_{2} ight)$	\mathbf{C}
qqql_1213	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2} ight)\left(q_{1}C\ell_{3} ight)$	\mathbf{C}
qqql_1221	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2} ight)\left(q_{2}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqql_1222	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{2}C\ell_{2}\right)$	C
qqql_1223	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{2}C\ell_{3}\right)$	C
qqql_1231	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{3}C\ell_{1}\right)$	C
qqql_1232	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{3}C\ell_{2}\right)$	C
qqql_1233	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{2}\right)\left(q_{3}C\ell_{3}\right)$	$^{\mathrm{C}}$
qqql_1311	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{1}C\ell_{1} ight)$	C
qqql_1312	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3}\right)\left(q_{1}C\ell_{2}\right)$	$^{\mathrm{C}}$
qqql_1313	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3}\right)\left(q_{1}C\ell_{3}\right)$	$^{\mathrm{C}}$
qqql_1321	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{2}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqql_1322	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3}\right)\left(q_{2}C\ell_{2}\right)$	\mathbf{C}
qqq1_1323	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3} ight)\left(q_{2}C\ell_{3} ight)$	\mathbf{C}
qqq1_1331	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3}\right)\left(q_{3}C\ell_{1}\right)$	\mathbf{C}
qqql_1332	$\epsilon_{il}\epsilon_{jk} (q_1Cq_3) (q_3C\ell_2)$	\mathbf{C}
qqq1_1333	$\epsilon_{il}\epsilon_{jk}\left(q_{1}Cq_{3}\right)\left(q_{3}C\ell_{3}\right)$	\mathbf{C}
qqq1_2121	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1}\right)\left(q_{2}C\ell_{1}\right)$	\mathbf{C}
qqq1_2122	$\epsilon_{il}\epsilon_{jk} \left(q_2Cq_1\right)\left(q_2C\ell_2\right)$	\mathbf{C}
qqq1_2123	$\epsilon_{il}\epsilon_{jk} \left(q_2Cq_1\right) \left(q_2C\ell_3\right)$	C
qqql_2131	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1}\right)\left(q_{3}C\ell_{1}\right)$	Č
qqql_2132	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1}\right)\left(q_{3}C\ell_{2}\right)$	Č

WC name	Operator	Type
qqq1_2133	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{1} ight)\left(q_{3}C\ell_{3} ight)$	С
qqq1_2221	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2} ight)\left(q_{2}C\ell_{1} ight)$	\mathbf{C}
qqq1_2222	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2} ight)\left(q_{2}C\ell_{2} ight)$	\mathbf{C}
qqq1_2223	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2} ight)\left(q_{2}C\ell_{3} ight)$	\mathbf{C}
qqq1_2231	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2} ight)\left(q_{3}C\ell_{1} ight)$	\mathbf{C}
qqq1_2232	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2}\right)\left(q_{3}C\ell_{2}\right)$	\mathbf{C}
qqq1_2233	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{2}\right)\left(q_{3}C\ell_{3}\right)$	\mathbf{C}
qqql_2311	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{1}C\ell_{1} ight)$	\mathbf{C}
qqql_2312	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{1}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqq1_2313	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{1}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqq1_2321	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{2}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_2322	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{2}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqq1_2323	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{2}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqq1_2331	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{3}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_2332	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{3}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqq1_2333	$\epsilon_{il}\epsilon_{jk}\left(q_{2}Cq_{3} ight)\left(q_{3}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqql_3131	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{1} ight)\left(q_{3}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_3132	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{1} ight)\left(q_{3}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqql_3133	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{1} ight)\left(q_{3}C\ell_{3} ight)$	$^{\mathrm{C}}$
qqq1_3231	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{2} ight)\left(q_{3}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_3232	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{2} ight)\left(q_{3}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqq1_3233	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{2}\right)\left(q_{3}C\ell_{3}\right)$	\mathbf{C}
qqq1_3331	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{3} ight)\left(q_{3}C\ell_{1} ight)$	$^{\mathrm{C}}$
qqq1_3332	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{3} ight)\left(q_{3}C\ell_{2} ight)$	$^{\mathrm{C}}$
qqq1_3333	$\epsilon_{il}\epsilon_{jk}\left(q_{3}Cq_{3} ight)\left(q_{3}C\ell_{3} ight)$	$^{\mathrm{C}}$
duue_1111	$\left(d_{1}Cu_{1}\right)\left(u_{1}Ce_{1}\right)$	$^{\mathrm{C}}$
duue_1112	$\left(d_{1}Cu_{1}\right)\left(u_{1}Ce_{2}\right)$	$^{\mathrm{C}}$
duue_1113	$\left(d_{1}Cu_{1}\right)\left(u_{1}Ce_{3}\right)$	$^{\mathrm{C}}$
duue_1121	$\left(d_{1}Cu_{1}\right)\left(u_{2}Ce_{1}\right)$	$^{\mathrm{C}}$
duue_1122	$\left(d_{1}Cu_{1}\right)\left(u_{2}Ce_{2}\right)$	\mathbf{C}
duue_1123	$\left(d_{1}Cu_{1}\right)\left(u_{2}Ce_{3}\right)$	$^{\mathrm{C}}$
duue_1131	$\left(d_{1}Cu_{1}\right)\left(u_{3}Ce_{1}\right)$	\mathbf{C}
duue_1132	$\left(d_{1}Cu_{1}\right)\left(u_{3}Ce_{2}\right)$	$^{\mathrm{C}}$
duue_1133	$\left(d_{1}Cu_{1}\right)\left(u_{3}Ce_{3}\right)$	$^{\mathrm{C}}$
duue_1211	$\left(d_{1}Cu_{2}\right)\left(u_{1}Ce_{1}\right)$	$^{\mathrm{C}}$
duue_1212	$\left(d_{1}Cu_{2}\right)\left(u_{1}Ce_{2}\right)$	$^{\mathrm{C}}$
duue_1213	$\left(d_{1}Cu_{2}\right)\left(u_{1}Ce_{3}\right)$	\mathbf{C}
duue_1221	$\left(d_{1}Cu_{2}\right)\left(u_{2}Ce_{1}\right)$	\mathbf{C}
duue_1222	$\left(d_1Cu_2\right)\left(u_2Ce_2\right)$	\mathbf{C}
duue_1223	$\left(d_{1}Cu_{2}\right)\left(u_{2}Ce_{3}\right)$	$^{\mathrm{C}}$
duue_1231	$\left(d_{1}Cu_{2}\right)\left(u_{3}Ce_{1}\right)$	$^{\mathrm{C}}$
duue_1232	$\left(d_{1}Cu_{2}\right)\left(u_{3}Ce_{2}\right)$	$^{\mathrm{C}}$
duue_1233	$\left(d_{1}Cu_{2}\right)\left(u_{3}Ce_{3}\right)$	\mathbf{C}
duue_1311	$\left(d_{1}Cu_{3}\right)\left(u_{1}Ce_{1}\right)$	$^{\mathrm{C}}$

WC name	Operator	Type
duue_1312	$(d_1Cu_3)(u_1Ce_2)$	C
duue_1313	$(d_1Cu_3)(u_1Ce_3)$	\mathbf{C}
duue_1321	$(d_1Cu_3)(u_2Ce_1)$	\mathbf{C}
duue_1322	$(d_1Cu_3)(u_2Ce_2)$	\mathbf{C}
duue_1323	$(d_1Cu_3)(u_2Ce_3)$	\mathbf{C}
duue_1331	$(d_1Cu_3)(u_3Ce_1)$	\mathbf{C}
duue_1332	$(d_1Cu_3)(u_3Ce_2)$	\mathbf{C}
duue_1333	$(d_1Cu_3)(u_3Ce_3)$	\mathbf{C}
duue_2111	$\left(d_{2}Cu_{1}\right)\left(u_{1}Ce_{1}\right)$	\mathbf{C}
duue_2112	$\left(d_{2}Cu_{1}\right)\left(u_{1}Ce_{2}\right)$	\mathbf{C}
duue_2113	$\left(d_{2}Cu_{1}\right)\left(u_{1}Ce_{3}\right)$	\mathbf{C}
duue_2121	$\left(d_{2}Cu_{1}\right)\left(u_{2}Ce_{1}\right)$	\mathbf{C}
duue_2122	$\left(d_2Cu_1\right)\left(u_2Ce_2\right)$	\mathbf{C}
duue_2123	$(d_2Cu_1)(u_2Ce_3)$	\mathbf{C}
duue_2131	$(d_2Cu_1)(u_3Ce_1)$	\mathbf{C}
duue_2132	$\left(d_{2}Cu_{1}\right)\left(u_{3}Ce_{2}\right)$	\mathbf{C}
duue_2133	$\left(d_{2}Cu_{1}\right)\left(u_{3}Ce_{3}\right)$	\mathbf{C}
duue_2211	$(d_2Cu_2)(u_1Ce_1)$	\mathbf{C}
duue_2212	$(d_2Cu_2)(u_1Ce_2)$	\mathbf{C}
duue_2213	$(d_2Cu_2)(u_1Ce_3)$	\mathbf{C}
duue_2221	$(d_2Cu_2)(u_2Ce_1)$	\mathbf{C}
duue_2222	$(d_2Cu_2)(u_2Ce_2)$	\mathbf{C}
duue_2223	$(d_2Cu_2)(u_2Ce_3)$	\mathbf{C}
duue_2231	$(d_2Cu_2)(u_3Ce_1)$	\mathbf{C}
duue_2232	$(d_2Cu_2)(u_3Ce_2)$	\mathbf{C}
duue_2233	$(d_2Cu_2)(u_3Ce_3)$	\mathbf{C}
duue_2311	$(d_2Cu_3)(u_1Ce_1)$	\mathbf{C}
duue_2312	$(d_2Cu_3)(u_1Ce_2)$	\mathbf{C}
duue_2313	$(d_2Cu_3)(u_1Ce_3)$	\mathbf{C}
duue_2321	$(d_2Cu_3)(u_2Ce_1)$	\mathbf{C}
duue_2322	$(d_2Cu_3)(u_2Ce_2)$	\mathbf{C}
duue_2323	$(d_2Cu_3)(u_2Ce_3)$	\mathbf{C}
duue_2331	$(d_2Cu_3)(u_3Ce_1)$	\mathbf{C}
duue_2332	$(d_2Cu_3)(u_3Ce_2)$	\mathbf{C}
duue_2333	$(d_2Cu_3)(u_3Ce_3)$	\mathbf{C}
duue_3111	$\left(d_3Cu_1\right)\left(u_1Ce_1\right)$	\mathbf{C}
duue_3112	$\left(d_3Cu_1\right)\left(u_1Ce_2\right)$	С
duue_3113	$(d_3Cu_1)(u_1Ce_3)$	C
duue_3121	$\left(d_3Cu_1\right)\left(u_2Ce_1\right)$	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	$\left(d_3Cu_1\right)\left(u_3Ce_2\right)$	C
duue_3133	$(d_3Cu_1)(u_3Ce_3)$	\mathbf{C}

WC name	Operator	Type
duue_3211	$(d_3Cu_2)\left(u_1Ce_1\right)$	C
duue_3212	$(d_3Cu_2)(u_1Ce_2)$	\mathbf{C}
duue_3213	$(d_3Cu_2)(u_1Ce_3)$	$^{\mathrm{C}}$
duue_3221	$(d_3Cu_2)(u_2Ce_1)$	\mathbf{C}
duue_3222	$(d_3Cu_2)(u_2Ce_2)$	$^{\mathrm{C}}$
duue_3223	$(d_3Cu_2)(u_2Ce_3)$	C
duue_3231	$(d_3Cu_2)(u_3Ce_1)$	C
duue_3232	$(d_3Cu_2)(u_3Ce_2)$	$^{\mathrm{C}}$
duue_3233	$(d_3Cu_2)(u_3Ce_3)$	$^{\mathrm{C}}$
duue_3311	$(d_3Cu_3)(u_1Ce_1)$	$^{\mathrm{C}}$
duue_3312	$(d_3Cu_3)(u_1Ce_2)$	$^{\mathrm{C}}$
duue_3313	$(d_3Cu_3)(u_1Ce_3)$	$^{\mathrm{C}}$
duue_3321	$(d_3Cu_3)(u_2Ce_1)$	$^{\mathrm{C}}$
duue_3322	$(d_3Cu_3)(u_2Ce_2)$	$^{\mathrm{C}}$
duue_3323	$(d_3Cu_3)(u_2Ce_3)$	$^{\mathrm{C}}$
duue_3331	$(d_3Cu_3)(u_3Ce_1)$	\mathbf{C}
duue_3332	$(d_3Cu_3)(u_3Ce_2)$	\mathbf{C}
duue_3333	$(d_3Cu_3)(u_3Ce_3)$	C

dL=2

WC name	Operator	Type
llphiphi_11	$\left(\widetilde{arphi}^{\dagger}\ell_{1}\right)^{T}C\left(\widetilde{arphi}^{\dagger}\ell_{1}\right)$	C
llphiphi_22	$\left(\widetilde{\varphi}^{\dagger}\ell_{2}\right)^{T}C\left(\widetilde{\varphi}^{\dagger}\ell_{2}\right)$	$^{\mathrm{C}}$
llphiphi_33	$\left(\widetilde{\varphi}^{\dagger}\ell_{3}\right)^{T}C\left(\widetilde{\varphi}^{\dagger}\ell_{3}\right)$	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	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu}P_Lb)(\bar{s}\gamma^{\mu}P_Lb)$	C
5sbsb	$4G_F/\sqrt{2}(\bar{s}_{\alpha}P_Lb_{\beta})(\bar{s}_{\beta}P_Rb_{\alpha})$	\mathbf{C}
2sbsb	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{s}P_Lb)$	$^{\mathrm{C}}$
1psbsb	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu}P_Rb)(\bar{s}\gamma^{\mu}P_Rb)$	\mathbf{C}
3sbsb	$4G_F/\sqrt{2}(\bar{s}_{lpha}P_Lb_{eta})(\bar{s}_{eta}P_Lb_{lpha})$	\mathbf{C}
2psbsb	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{s}P_Rb)$	\mathbf{C}
4sbsb	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{s}P_Rb)$	$^{\mathrm{C}}$
3psbsb	$4G_F/\sqrt{2}(ar{s}_lpha P_R b_eta)(ar{s}_eta P_R b_lpha)$	C

dbdb

WC name	Operator	Type
1dbdb	$4G_F/\sqrt{2}(\bar{d}\gamma_{\mu}P_Lb)(\bar{d}\gamma^{\mu}P_Lb)$	\overline{C}
5dbdb	$4G_F/\sqrt{2}(ar{d}_lpha P_L b_eta)(ar{d}_eta P_R b_lpha)$	\mathbf{C}
2dbdb	$4G_F/\sqrt{2}(ar{d}P_Lb)(ar{d}P_Lb)$	$^{\mathrm{C}}$
1pdbdb	$4G_F/\sqrt{2}(ar{d}\gamma_\mu P_R b)(ar{d}\gamma^\mu P_R b)$	$^{\mathrm{C}}$
3dbdb	$4G_F/\sqrt{2}(ar{d}_lpha P_L b_eta)(ar{d}_eta P_L b_lpha)$	$^{\mathrm{C}}$
2pdbdb	$4G_F/\sqrt{2}(ar{d}P_Rb)(ar{d}P_Rb)$	$^{\mathrm{C}}$
4dbdb	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{d}P_Rb)$	$^{\mathrm{C}}$
3pdbdb	$4G_F/\sqrt{2}(ar{d}_{lpha}P_Rb_{eta})(ar{d}_{eta}P_Rb_{lpha})$	C

ubenu

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

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

${\tt ubmunu}$

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

ubtaunu

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

WC name	Operator	Type
5ubtaumu	$4G_F/\sqrt{2}(\bar{u}P_Rb)(\bar{\tau}\nu_\mu)$	C
1pubtaumu	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pubtaumu	$4G_F/\sqrt{2}(\bar{u}P_Lb)(\bar{\tau}\nu_\mu)$	$^{\mathrm{C}}$
7pubtaumu	$4G_F/\sqrt{2}(\bar{u}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1ubtautau	$4G_F/\sqrt{2}(\bar{u}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\tau)$	\mathbf{C}
5ubtautau	$4G_F/\sqrt{2}(\bar{u}P_Rb)(\bar{\tau}\nu_{\tau})$	\mathbf{C}
1pubtautau	$4G_F/\sqrt{2}(\bar{u}P_L\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5pubtautau	$4G_F/\sqrt{2}(\bar{u}P_Lb)(\bar{\tau}\nu_{\tau})$	\mathbf{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	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{e} u_e)$	\mathbf{C}
1pcbee	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu}\nu_e)$	\mathbf{C}
5pcbee	$4G_F/\sqrt{2}(\bar{c}P_Lb)(\bar{e} u_e)$	\mathbf{C}
7pcbee	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cbemu	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu\nu_\mu)$	\mathbf{C}
5cbemu	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{e} u_\mu)$	\mathbf{C}
1pcbemu	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{e}\gamma_\mu u_\mu)$	\mathbf{C}
5pcbemu	$4G_F/\sqrt{2}(\bar{c}P_Lb)(\bar{e} u_\mu)$	\mathbf{C}
7pcbemu	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu} u_\mu)$	\mathbf{C}
1cbetau	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{e}\gamma_\mu \nu_ au)$	\mathbf{C}
5cbetau	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{e} u_ au)$	\mathbf{C}
1pcbetau	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^{\mu}b)(\bar{e}\gamma_{\mu} u_{ au})$	\mathbf{C}
5pcbetau	$4G_F/\sqrt{2}(ar{c}P_Lb)(ar{e} u_ au)$	\mathbf{C}
7pcbetau	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{e}\sigma_{\mu\nu}\nu_{\tau})$	С

cbmunu

WC name	Operator	Type
1cbmue	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_e)$	C
5cbmue	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{\mu}\nu_e)$	\mathbf{C}
1pcbmue	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_e)$	\mathbf{C}
5pcbmue	$4G_F/\sqrt{2}(\bar{c}P_Lb)(\bar{\mu} u_e)$	\mathbf{C}
7pcbmue	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_e)$	\mathbf{C}
1cbmumu	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\mu}\gamma_\mu\nu_\mu)$	\mathbf{C}
5cbmumu	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{\mu}\nu_{\mu})$	\mathbf{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	$4G_F/\sqrt{2}(\bar{c}P_Lb)(\bar{\mu} u_{\mu})$	\mathbf{C}
7pcbmumu	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cbmutau	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5cbmutau	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{\mu} u_{ au})$	\mathbf{C}
1pcbmutau	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^{\mu}b)(\bar{\mu}\gamma_{\mu}\nu_{\tau})$	\mathbf{C}
5pcbmutau	$4G_F/\sqrt{2}(\bar{c}P_Lb)(\bar{\mu} u_ au)$	\mathbf{C}
7pcbmutau	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\nu_{\tau})$	\mathbf{C}

cbtaunu

WC name	Operator	Type
1cbtaue	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_e)$	С
5cbtaue	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{\tau}\nu_e)$	\mathbf{C}
1pcbtaue	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_e)$	$^{\mathrm{C}}$
5pcbtaue	$4G_F/\sqrt{2}(\bar{c}P_Lb)(\bar{\tau}\nu_e)$	$^{\mathrm{C}}$
7pcbtaue	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_e)$	$^{\mathrm{C}}$
1cbtaumu	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_\mu)$	\mathbf{C}
5cbtaumu	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{ au} u_\mu)$	$^{\mathrm{C}}$
1pcbtaumu	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^{\mu}b)(\bar{\tau}\gamma_{\mu}\nu_{\mu})$	\mathbf{C}
5pcbtaumu	$4G_F/\sqrt{2}(\bar{c}P_Lb)(\bar{\tau} u_\mu)$	\mathbf{C}
7pcbtaumu	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{\mu})$	\mathbf{C}
1cbtautau	$4G_F/\sqrt{2}(\bar{c}P_R\gamma^\mu b)(\bar{\tau}\gamma_\mu\nu_ au)$	\mathbf{C}
5cbtautau	$4G_F/\sqrt{2}(\bar{c}P_Rb)(\bar{ au} u_ au)$	\mathbf{C}
1pcbtautau	$4G_F/\sqrt{2}(\bar{c}P_L\gamma^\mu b)(\bar{ au}\gamma_\mu u_ au)$	\mathbf{C}
5pcbtautau	$4G_F/\sqrt{2}(\bar{c}P_Lb)(\bar{\tau} u_{ au})$	\mathbf{C}
7pcbtautau	$4G_F/\sqrt{2}(\bar{c}P_L\sigma^{\mu\nu}b)(\bar{\tau}\sigma_{\mu\nu}\nu_{\tau})$	\mathbf{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	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu T^Ab)(\bar{u}\gamma^\mu T^Ac)$	$^{\mathrm{C}}$
3sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}c)$	$^{\mathrm{C}}$
4sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Ac)$	$^{\mathrm{C}}$
5sbuc	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{u}c)$	$^{\mathrm{C}}$
6sbuc	$4G_F/\sqrt{2}(\bar{s}P_RT^Ab)(\bar{u}T^Ac)$	$^{\mathrm{C}}$
7sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}c)$	$^{\mathrm{C}}$
8sbuc	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Ac)$	$^{\mathrm{C}}$

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

sbcu

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

 ${\tt dbuc}$

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

dbcu

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

sbsd

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

dbds

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

sb

WC name	Operator	Type
7gammas	$4G_F/\sqrt{2}rac{e}{a_s^2}m_b(ar{s}P_R\sigma_{\mu u}b)F^{\mu u}$	$^{\rm C}$
8gs	$4G_F/\sqrt{2}rac{\sigma_s}{a}m_b(\bar{s}P_R\sigma_{\mu\nu}T^Ab)G_A^{\mu\nu}$	\mathbf{C}

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

1sbcc		Т
	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{c}\gamma^\mu c)$	С
2sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Ac)$	C
3sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	C
4sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	C
5sbcc	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{c}c)$	C
6sbcc	$4G_F/\sqrt{2}(\bar{s}P_RT^Ab)(\bar{c}T^Ac)$	C
7sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	C
8sbcc	$4G_F/\sqrt{2}(\bar{s}P_R\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	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	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	C
1psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu b)(\bar{c}\gamma^\mu c)$	C
2psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Ac)$	C
3psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	C
4psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	C
5psbcc	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{c}c)$	C
6psbcc	$4G_F/\sqrt{2}(\bar{s}P_LT^Ab)(\bar{c}T^Ac)$	C
7psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{c}\sigma_{\mu\nu}c)$	C
8psbcc	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}T^Ab)(\bar{c}\sigma_{\mu\nu}T^Ac)$	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	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{c}\gamma^{\mu\nu\rho\sigma}T^Ac)$	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	$4G_F/\sqrt{2}(ar{s}P_Rb)(ar{b}b)$	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	$4G_F/\sqrt{2}(ar{s}P_L\gamma_\mu b)(ar{b}\gamma^{\hat{\mu}}b)$	C
3psbbb	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho}b)(\bar{b}\gamma^{\mu\nu\rho}b)$	C
5psbbb	$4G_F/\sqrt{2}(ar{s}P_Lb)(ar{b}b)$	C
7psbbb	$4G_F/\sqrt{2}(\bar{s}P_L\sigma^{\mu\nu}b)(\bar{b}\sigma_{\mu\nu}b)$	C
9psbbb	$4G_F/\sqrt{2}(\bar{s}P_L\gamma_{\mu\nu\rho\sigma}b)(\dot{\bar{b}}\gamma^{\mu\nu\rho\sigma}b)$	C
1sbss	$4G_F/\sqrt{2}(ar{s}\gamma_\mu P_L b)(ar{s}\gamma^\mu s)$	C
1psbss	$4G_F/\sqrt{2}(\bar{s}\gamma_\mu P_R b)(\bar{s}\gamma^\mu s)$	C
3sbss	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho}P_Lb)(\bar{s}\gamma^{\mu\nu\rho}s)$	C
3psbss	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho}P_Rb)(\bar{s}\gamma^{\mu\nu\rho}s)$	C
5sbss	$4G_F/\sqrt{2}(\bar{s}P_Lb)(\bar{s}s)$	C
5psbss	$4G_F/\sqrt{2}(\bar{s}P_Rb)(\bar{s}s)$	C
7sbss	$4G_F/\sqrt{2}(\bar{s}\sigma^{\mu\nu}P_Lb)(\bar{s}\sigma_{\mu\nu}s)$	C
7psbss	$4G_F/\sqrt{2}(ar{s}\sigma^{\mu u}P_Rb)(ar{s}\sigma_{\mu u}s)$	C
9sbss	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Lb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	C
9psbss	$4G_F/\sqrt{2}(\bar{s}\gamma_{\mu\nu\rho\sigma}P_Rb)(\bar{s}\gamma^{\mu\nu\rho\sigma}s)$	C
agadag	$4G_F/\sqrt{2}(\bar{s}P_R\gamma_\mu b)(\bar{e}\gamma^\mu e)$	C
1sbee		

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

db

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

WC name	Operator	Type
5dbuu	$4G_F/\sqrt{2}(\bar{d}P_Rb)(\bar{u}u)$	С
6dbuu	$4G_F/\sqrt{2}(\bar{d}P_RT^Ab)(\bar{u}T^Au)$	\mathbf{C}
7dbuu	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8dbuu	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9dbuu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10dbuu	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1pdbuu	$4G_F/\sqrt{2}(ar{d}P_L\gamma_\mu b)(ar{u}\gamma^\mu u)$	\mathbf{C}
2pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu T^Ab)(\bar{u}\gamma^\mu T^Au)$	\mathbf{C}
3pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{u}\gamma^{\mu\nu\rho}u)$	\mathbf{C}
4pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{u}\gamma^{\mu\nu\rho}T^Au)$	\mathbf{C}
5pdbuu	$4G_F/\sqrt{2}(\bar{d}P_Lb)(\bar{u}u)$	\mathbf{C}
6pdbuu	$4G_F/\sqrt{2}(\bar{d}P_LT^Ab)(\bar{u}T^Au)$	\mathbf{C}
7pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{u}\sigma_{\mu\nu}u)$	\mathbf{C}
8pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{u}\sigma_{\mu\nu}T^Au)$	\mathbf{C}
9pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{u}\gamma^{\mu\nu\rho\sigma}u)$	\mathbf{C}
10pdbuu	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{u}\gamma^{\mu\nu\rho\sigma}T^Au)$	\mathbf{C}
1dbdd	$4G_F/\sqrt{2}(ar{d}P_R\gamma_\mu b)(ar{d}\gamma^\mu d)$	\mathbf{C}
2dbdd	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu T^Ab)(\bar{d}\gamma^\mu T^Ad)$	\mathbf{C}
3dbdd	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu u ho}b)(\bar{d}\gamma^{\mu u ho}d)$	\mathbf{C}
4dbdd	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^Ad)$	\mathbf{C}
5dbdd	$4G_F/\sqrt{2}(ar{d}P_Rb)(ar{d}d)$	\mathbf{C}
6dbdd	$4G_F/\sqrt{2}(\bar{d}P_RT^Ab)(\bar{d}T^Ad)$	\mathbf{C}
7dbdd	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{d}\sigma_{\mu\nu}d)$	\mathbf{C}
8dbdd	$4G_F/\sqrt{2}(ar{d}P_R\sigma^{\mu u}T^Ab)(ar{d}\sigma_{\mu u}T^Ad)$	\mathbf{C}
9dbdd	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
10dbdd	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad)$	\mathbf{C}
1pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu b)(\bar{d}\gamma^\mu d)$	\mathbf{C}
2pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_\mu T^Ab)(\bar{d}\gamma^\mu T^Ad)$	\mathbf{C}
3pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}b)(\bar{d}\gamma^{\mu\nu\rho}d)$	\mathbf{C}
4pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho}T^Ab)(\bar{d}\gamma^{\mu\nu\rho}T^Ad)$	\mathbf{C}
5pdbdd	$4G_F/\sqrt{2}(ar{d}P_Lb)(ar{d}d)$	\mathbf{C}
6pdbdd	$4G_F/\sqrt{2}(\bar{d}P_LT^Ab)(\bar{d}T^Ad)$	\mathbf{C}
7pdbdd	$4G_F/\sqrt{2}(ar{d}P_L\sigma^{\mu u}b)(ar{d}\sigma_{\mu u}d)$	\mathbf{C}
8pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}T^Ab)(\bar{d}\sigma_{\mu\nu}T^Ad)$	\mathbf{C}
9pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{d}\gamma^{\mu\nu\rho\sigma}d)$	\mathbf{C}
10pdbdd	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}T^Ab)(\bar{d}\gamma^{\mu\nu\rho\sigma}T^Ad)$	\mathbf{C}
1dbcc	$4G_F/\sqrt{2}(ar{d}P_R\gamma_\mu b)(ar{c}\gamma^\mu c)$	\mathbf{C}
2dbcc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_\mu T^Ab)(\bar{c}\gamma^\mu T^Ac)$	\mathbf{C}
3dbcc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}b)(\bar{c}\gamma^{\mu\nu\rho}c)$	\mathbf{C}
4dbcc	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho}T^Ab)(\bar{c}\gamma^{\mu\nu\rho}T^Ac)$	\mathbf{C}
5dbcc	$4G_F/\sqrt{2}(ar{d}P_Rb)(ar{c}c)$	\mathbf{C}
6dbcc	$4G_F/\sqrt{2}(\bar{d}P_RT^Ab)(\bar{c}T^Ac)$	\mathbf{C}

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

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

sbemu

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

sbetau

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

sbmue

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

${\tt sbmutau}$

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

${\tt sbtaumu}$

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

dbemu

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

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

${\tt dbetau}$

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

${\tt dbmue}$

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

${\tt dbmutau}$

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

WC name	Operator	Type
5dbmutau	$4G_F/\sqrt{2}(\bar{d}P_Rb)(\bar{\mu}\tau)$	C
5pdbmutau	$4G_F/\sqrt{2}(ar{d}P_Lb)(ar{\mu} au)$	$^{\mathrm{C}}$
7dbmutau	$4G_F/\sqrt{2}(\bar{d}P_R\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	$^{\mathrm{C}}$
7pdbmutau	$4G_F/\sqrt{2}(\bar{d}P_L\sigma^{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\tau)$	\mathbf{C}
9dbmutau	$4G_F/\sqrt{2}(\bar{d}P_R\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	$^{\mathrm{C}}$
9pdbmutau	$4G_F/\sqrt{2}(\bar{d}P_L\gamma_{\mu\nu\rho\sigma}b)(\bar{\mu}\gamma^{\mu\nu\rho\sigma}\tau)$	С

dbtaue

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

${\tt dbtaumu}$

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

sbnunu

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

${\tt dbnunu}$

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

Basis EOS (EFT WET)

Sectors

sb

WC name	Operator	Type
b->s::c1	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^{\mu}T^ac_L)(\bar{c}_L\gamma_{\mu}T^ab_L)$	С
b->s::c2	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu c_L)(\bar{c}_L\gamma_\mu b_L)$	\mathbf{C}
b->s::c3	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu b_L)\sum_q(\bar{q}\gamma_\mu q)$	\mathbf{C}
b->s::c4	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu T^ab_L)\sum_q(\bar{q}\gamma_\mu T^aq)$	\mathbf{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	$4G_F/\sqrt{2}V_{tb}V_{ts}^*(\bar{s}_L\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^ab_L)\sum_{q}(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_2})$	$L_3 \mathbf{C}^a q)$
b->s::c7	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_L\sigma_{\mu\nu}b_R)F^{\mu\nu}$	\mathbf{C}
b->s::c7'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_R\sigma_{\mu\nu}b_L)F^{\mu\nu}$	$^{\mathrm{C}}$
b->s::c8	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{g_s}{16\pi^2}m_b(\bar{s}_L\sigma_{\mu\nu}T^ab_R)G^{a\mu\nu}$	\mathbf{C}
b->s::c8'	$4G_F/\sqrt{2}V_{tb}V_{ts}^* \frac{g_s}{16\pi^2} m_b (\bar{s}_R \sigma_{\mu\nu} T^a b_L) G^{a\mu\nu}$	С
b->see::c9	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{e}\gamma_\mu e)$	\mathbf{C}
b->see::c9'	$4G_F/\sqrt{2}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^{\mu} b_R)(\bar{e}\gamma_{\mu} e)$	\mathbf{C}
b->see::c10	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}(\bar{s}_L\gamma^\mu b_L)(\bar{e}\gamma_\mu\gamma_5 e)$	$^{\mathrm{C}}$
b->see::c10'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{e}\gamma_\mu\gamma_5 e)$	\mathbf{C}
b->see::cS	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{e}e)$	\mathbf{C}
b->see::cS'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{e}e)$	\mathbf{C}
b->see::cP	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{\bar{e}^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{e}\gamma_5 e)$	\mathbf{C}
b->see::cP'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{e}\gamma_5e)$	\mathbf{C}
b->smumu::c9	$4G_F/\sqrt{2}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^{\mu} b_L)(\bar{\mu}\gamma_{\mu}\mu)$	\mathbf{C}
b->smumu::c9'	$4G_F/\sqrt{2}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R\gamma^{\mu}b_R)(\bar{\mu}\gamma_{\mu}\mu)$	\mathbf{C}
b->smumu::c10	$4G_F/\sqrt{2}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L\gamma^{\mu}b_L)(\bar{\mu}\gamma_{\mu}\gamma_5\mu)$	\mathbf{C}
b->smumu::c10'	$4G_F/\sqrt{2}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R\gamma^{\mu}b_R)(\bar{\mu}\gamma_{\mu}\gamma_5\mu)$	\mathbf{C}
b->smumu::cS	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{\mu}\mu)$	\mathbf{C}
b->smumu::cS'	$4G_F/\sqrt{2}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\mu}\mu)$	\mathbf{C}
b->smumu::cP	$4G_F/\sqrt{2}V_{tb}V_{ts}^* rac{e^2}{16\pi^2} m_b(\bar{s}_L b_R)(\bar{\mu}\gamma_5 \mu)$	\mathbf{C}
b->smumu::cP'	$4G_F/\sqrt{2}V_{tb}V_{ts,16\pi^2}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\mu}\gamma_5\mu)$	\mathbf{C}
b->smumu::cT	$4G_F/\sqrt{2}V_{ub}\frac{e^2}{16\pi^2}(\bar{s}\sigma_{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\mu)$	\mathbf{C}
b->smumu::cT5	$4G_F/\sqrt{2}V_{ub}\frac{e^2}{16\pi^2}(\bar{s}\sigma_{\mu\nu}b)(\bar{\mu}\sigma_{\mu\nu}\gamma_5\mu)$	C

 ${\tt ubenu}$

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	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{e}_L\gamma_\mu\nu_{eL})$	$^{\mathrm{C}}$
b->uenue::cSR	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_Lb_R)(\bar{e}_R\nu_{eL})$	$^{\mathrm{C}}$
b->uenue::cSL	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_Rb_L)(\bar{e}_R\nu_{eL})$	\mathbf{C}
b->uenue::cT	$-4G_F/\sqrt{2}V_{ub}(\bar{u}_R\sigma^{\mu\nu}b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{eL})$	\mathbf{C}

ubmunu

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

Basis flavio (EFT WET)

Sectors

sbsb

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

dbdb

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

sdsd

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

WC name	Operator	Type
C1_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu T^ac_L)(\bar{c}_L\gamma_\mu T^ab_L)$	С
C1p_bs	$\frac{4\overleftarrow{\zeta_F}}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_R\gamma^\mu T^ac_R)(\bar{c}_R\gamma_\mu T^ab_R)$	\mathbf{C}
C2_bs	$\frac{4\widetilde{G}_F^2}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu c_L)(\bar{c}_L\gamma_\mu b_L)$	\mathbf{C}
C2p_bs	$rac{4 ar{G_F}}{\sqrt{2}} V_{tb} V_{ts}^* (ar{s}_R \gamma^\mu c_R) (ar{c}_R \gamma_\mu b_R)$	\mathbf{C}
C3_bs	$\frac{4 \tilde{G}_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^\mu b_L) \sum_q (\bar{q} \gamma_\mu q)$	\mathbf{C}
C3p_bs	$\frac{4 G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^\mu b_R) \sum_q (\bar{q} \gamma_\mu q)$	\mathbf{C}
C4_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu T^ab_L)\sum_q(\bar{q}\gamma_\mu T^aq)$	\mathbf{C}
C4p_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_R\gamma^\mu T^ab_R)\sum_q(\bar{q}\gamma_\mu T^aq)$	\mathbf{C}
C5_bs	$\frac{4\breve{G}_{F}^{r}}{\sqrt{2}}V_{tb}V_{ts}^{*}(\bar{s}_{L}\gamma^{\mu_{1}}\gamma^{\mu_{2}}\gamma^{\mu_{3}}b_{L})\sum_{q}(\bar{q}\gamma_{\mu_{1}}\gamma_{\mu_{2}}\gamma_{\mu_{3}}q)$	\mathbf{C}
C5p_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_R\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}b_R)\sum_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}q)$	\mathbf{C}
C6_bs	$= \frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_L \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} T^a b_L) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a b_L) \sum_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} T^a b_L)$	$^{i}q)\mathrm{C}$
C6p_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_R\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^ab_R)\sum_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}T^a)$	$^{a}q)\!\mathrm{C}$
C3Q_bs	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(ar{s}_L\gamma^\mu b_L)\sum_q Q_q(ar{q}\gamma_\mu q)$	\mathbf{C}
C3Qp_bs	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_R\gamma^\mu b_R)\sum_q Q_q(\bar{q}\gamma_\mu q)$	\mathbf{C}
C4Q_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_L\gamma^\mu T^a b_L)\sum_q Q_q(\bar{q}\gamma_\mu T^a q)$	\mathbf{C}
C4Qp_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_R\gamma^\mu T^ab_R)\sum_q Q_q(\bar{q}\gamma_\mu T^aq)$	\mathbf{C}
C5Q_bs	$ \frac{4\ddot{G}_{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) $	\mathbf{C}
C5Qp_bs	$= rac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* (\bar{s}_R \gamma^{\mu_1} \gamma^{\mu_2} \gamma^{\mu_3} b_R) \sum_q Q_q (\bar{q} \gamma_{\mu_1} \gamma_{\mu_2} \gamma_{\mu_3} q)$	$^{\circ}$ C
C6Q_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_L\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^ab_L)\sum_q Q_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}T^ab_L)$	$_{_3}T$ C $q)$
C6Qp_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*(\bar{s}_R\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^ab_R)\sum_{q}Q_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}T^ab_R)$	$_{3}T$ C $q)$
C9_bsee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{e}\gamma_{\mu}e)$	$^{\mathrm{C}}$
C9p_bsee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{e}\gamma_\mu e)$	$^{\mathrm{C}}$
C10_bsee	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_L\gamma^{\mu}b_L)(ar{e}\gamma_{\mu}\gamma_5 e)$	\mathbf{C}
C10p_bsee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}(\bar{s}_R\gamma^\mu b_R)(\bar{e}\gamma_\mu\gamma_5 e)$	\mathbf{C}
CS_bsee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{e}e)$	\mathbf{C}
CSp_bsee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{e}e)$	\mathbf{C}
CP_bsee	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}m_b(ar{s}_Lb_R)(ar{e}\gamma_5e)$	\mathbf{C}
CPp_bsee	$rac{4\dot{G}_{F}}{\sqrt{2}}V_{tb}V_{ts}^{*}rac{e^{2}}{16\pi^{2}}m_{b}(ar{s}_{R}b_{L})(ar{e}\gamma_{5}e)$	\mathbf{C}
C9_bsmumu	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_L\gamma^{\mu}b_L)(ar{\mu}\gamma_{\mu}\mu)$	\mathbf{C}
C9p_bsmumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^{\mu} b_R) (\bar{\mu} \gamma_{\mu} \mu)$	\mathbf{C}
C10_bsmumu	$rac{4 \tilde{Q}_F^2}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} (ar{s}_L \gamma^\mu b_L) (ar{\mu} \gamma_\mu \gamma_5 \mu)$	\mathbf{C}
C10p_bsmumu	$rac{4 ec{N_F}}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} (ar{s}_R \gamma^\mu b_R) (ar{\mu} \gamma_\mu \gamma_5 \mu)$	\mathbf{C}
CS_bsmumu	$\frac{4\tilde{G}_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{\mu}\mu)$	\mathbf{C}
CSp_bsmumu	$\frac{4\tilde{G}_{F}}{\sqrt{2}}V_{tb}V_{ts}^{*}\frac{e^{2}}{16\pi^{2}}m_{b}(\bar{s}_{R}b_{L})(\bar{\mu}\mu)$	\mathbf{C}

WC name	Operator	Type
CP_bsmumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{\mu}\gamma_5\mu)$	С
CPp_bsmumu	$\frac{4Q_F^2}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\mu}\gamma_5\mu)$	\mathbf{C}
C9_bstautau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^{\mu} b_L)(\bar{\tau} \gamma_{\mu} au)$	\mathbf{C}
C9p_bstautau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^{\mu} b_R) (\bar{\tau} \gamma_{\mu} \tau)$	\mathbf{C}
C10_bstautau	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_L\gamma^{\mu}b_L)(ar{ au}\gamma_{\mu}\gamma_5 au)$	\mathbf{C}
C10p_bstautau	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{ au}\gamma_{\mu}\gamma_5 au)$	\mathbf{C}
CS_bstautau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{\tau}\tau)$	\mathbf{C}
CSp_bstautau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{ au} au)$	\mathbf{C}
CP_bstautau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{\tau}\gamma_5\tau)$	\mathbf{C}
CPp_bstautau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\tau}\gamma_5\tau)$	\mathbf{C}
C7_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_L\sigma^{\mu\nu}b_R)(F_{\mu\nu})$	\mathbf{C}
C7p_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e}{16\pi^2}m_b(\bar{s}_R\sigma^{\mu\nu}b_L)(F_{\mu\nu})$	\mathbf{C}
C8_bs	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{g_s}{16\pi^2} m_b (\bar{s}_L \sigma^{\mu\nu} T^a b_R)(G_{\mu\nu}^a)$	\mathbf{C}
C8p_bs	$\frac{4G_F^2}{\sqrt{2}} V_{tb} V_{ts}^* \frac{g_s}{16\pi^2} m_b (\bar{s}_R \sigma^{\mu\nu} T^a b_L) (G_{\mu\nu}^a)$	С

sbnunu

WC name	Operator	Type
CL_bsnuenue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\nu}_e\gamma_{\mu}(1-\gamma_5)\nu_e)$	С
CL_bsnumunumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\nu}_{\mu}\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}
${\tt CL_bsnutaunutau}$	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\nu}_{\tau}\gamma_{\mu}(1-\gamma_5)\nu_{\tau})$	\mathbf{C}
CL_bsnuenumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\nu}_{\mu}\gamma_{\mu}(1-\gamma_5)\nu_e)$	\mathbf{C}
CL_bsnumunue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\nu}_e\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}
${\tt CL_bsnumunutau}$	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\nu}_{\tau}\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}
CL_bsnutaunumu	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_L\gamma^{\mu}b_L)(ar{ u}_{\mu}\gamma_{\mu}(1-\gamma_5) u_{ au})$	\mathbf{C}
CL_bsnuenutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\nu}_{\tau}\gamma_{\mu}(1-\gamma_5)\nu_e)$	\mathbf{C}
CL_bsnutaunue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\nu}_e\gamma_{\mu}(1-\gamma_5)\nu_{\tau})$	\mathbf{C}
CR_bsnuenue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\nu}_e\gamma_{\mu}(1-\gamma_5)\nu_e)$	\mathbf{C}
CR_bsnumunumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\nu}_{\mu}\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}
CR_bsnutaunutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\nu}_{\tau}\gamma_{\mu}(1-\gamma_5)\nu_{\tau})$	\mathbf{C}
CR_bsnuenumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\nu}_{\mu}\gamma_{\mu}(1-\gamma_5)\nu_e)$	\mathbf{C}
CR_bsnumunue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\nu}_e\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}
CR_bsnumunutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\nu}_{\tau}\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{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	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\nu}_{\tau}\gamma_{\mu}(1-\gamma_5)\nu_e)$	С
CR_bsnutaunue	$\frac{4G_F}{\sqrt{2}} V_{tb} V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_R \gamma^{\mu} b_R) (\bar{\nu}_e \gamma_{\mu} (1 - \gamma_5) \nu_{\tau})$	С

db

WC name	Operator	Type
C1_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_L\gamma^{\mu}T^ac_L)(\bar{c}_L\gamma_{\mu}T^ab_L)$	С
C1p_bd	$\frac{4 \overleftarrow{\mathcal{C}_F}}{\sqrt{2}} V_{tb} V_{td}^* (\bar{d}_R \gamma^\mu T^a c_R) (\bar{c}_R \gamma_\mu T^a b_R)$	\mathbf{C}
C2_bd	$\frac{4\check{G}_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_L\gamma^\mu c_L)(\bar{c}_L\gamma_\mu b_L)$	\mathbf{C}
C2p_bd	$rac{4ar{G_F}}{\sqrt{2}}V_{tb}V_{td}^*(ar{d}_R\gamma^\mu c_R)(ar{c}_R\gamma_\mu b_R)$	\mathbf{C}
C3_bd	$rac{4ar{G_F}}{\sqrt{2}}V_{tb}V_{td}^*(ar{d}_L\gamma^\mu b_L)\sum_q(ar{q}\gamma_\mu q)$	\mathbf{C}
C3p_bd	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_R\gamma^\mu b_R)\sum_q(\bar{q}\gamma_\mu q)$	\mathbf{C}
C4_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_L\gamma^{\mu}T^ab_L)\sum_q(\bar{q}\gamma_{\mu}T^aq)$	\mathbf{C}
C4p_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_R\gamma^\mu T^a b_R)\sum_q(\bar{q}\gamma_\mu T^a q)$	\mathbf{C}
C5_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_L\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}b_L)\sum_{a}(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}q)$	\mathbf{C}
C5p_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(d_R\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}b_R)\sum_{a}(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}q)$	\mathbf{C}
C6_bd	$-\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(d_L\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^ab_L)\sum_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}T^ac_L)$	q)C
C6p_bd	$-\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_R\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^ab_R)\sum_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}T^ab_R)$	q)C
C3Q_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_L\gamma^\mu b_L)\sum_q Q_q(\bar{q}\gamma_\mu q)$	\mathbf{C}
C3Qp_bd	$rac{4ar{G}_F}{\sqrt{2}}V_{tb}V_{td}^*(ar{d}_R\gamma^\mu b_R)\sum_q Q_q(ar{q}\gamma_\mu q)$	\mathbf{C}
C4Q_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_L\gamma^\mu T^a b_L)\sum_q Q_q(\bar{q}\gamma_\mu T^a q)$	\mathbf{C}
C4Qp_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_R\gamma^\mu T^a b_R)\sum_q Q_q(\bar{q}\gamma_\mu T^a q)$	\mathbf{C}
C5Q_bd	$\frac{4\ddot{G}_{F}}{\sqrt{2}}V_{tb}V_{td}^{*}(\bar{d}_{L}\gamma^{\mu_{1}}\gamma^{\mu_{2}}\gamma^{\mu_{3}}b_{L})\sum_{q}Q_{q}(\bar{q}\gamma_{\mu_{1}}\gamma_{\mu_{2}}\gamma_{\mu_{3}}q)$	\mathbf{C}
C5Qp_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(d_R\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}b_R)\sum_q Q_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3}q)$	\mathbf{C}
C6Q_bd	$-\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(d_L\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^ab_L)\sum_q Q_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3})$	TC $q)$
C6Qp_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*(\bar{d}_R\gamma^{\mu_1}\gamma^{\mu_2}\gamma^{\mu_3}T^ab_R)\sum_q Q_q(\bar{q}\gamma_{\mu_1}\gamma_{\mu_2}\gamma_{\mu_3})$	TCq)
C9_bdee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{e}\gamma_{\mu}e)$	\mathbf{C}
C9p_bdee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{e}\gamma_{\mu}e)$	\mathbf{C}
C10_bdee	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_L\gamma^{\mu}b_L)(ar{e}\gamma_{\mu}\gamma_5 e)$	\mathbf{C}
C10p_bdee	$rac{4\dot{G}_{F}}{\sqrt{2}}V_{tb}V_{td}^{*}rac{e^{2}}{16\pi^{2}}(ar{d}_{R}\gamma^{\mu}b_{R})(ar{e}\gamma_{\mu}\gamma_{5}e)$	\mathbf{C}
CS_bdee	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^* \frac{e^2}{16\pi^2}m_b(\bar{d}_L b_R)(\bar{e}e)$	\mathbf{C}
CSp_bdee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^* \frac{e^2}{16\pi^2}m_b(\bar{d}_R b_L)(\bar{e}e)$	\mathbf{C}
CP_bdee	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{e}\gamma_5e)$	\mathbf{C}
CPp_bdee	$rac{4 G_F}{\sqrt{2}} V_{tb} V_{td}^* rac{e^2}{16 \pi^2} m_b (ar{d}_R b_L) (ar{e} \gamma_5 e)$	\mathbf{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	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\mu}\gamma_{\mu}\mu)$	С
C10_bdmumu	$rac{4 V_L^2}{\sqrt{2}} V_{tb} V_{td}^* rac{e^2}{16 \pi^2} (ar{d}_L \gamma^\mu b_L) (ar{\mu} \gamma_\mu \gamma_5 \mu)$	\mathbf{C}
C10p_bdmumu	$\frac{4 G_F}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} (\bar{d}_R \gamma^\mu b_R) (\bar{\mu} \gamma_\mu \gamma_5 \mu)$	\mathbf{C}
CS_bdmumu	$\frac{4V_{eff}^{2}}{\sqrt{2}}V_{tb}V_{td}^{*}\frac{e^{2}}{16\pi^{2}}m_{b}(\bar{d}_{L}b_{R})(\bar{\mu}\mu)$	\mathbf{C}
CSp_bdmumu	$\frac{4Q_F^2}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\mu}\mu)$	\mathbf{C}
CP_bdmumu	$\frac{4\tilde{Q}_{F}}{\sqrt{2}}V_{tb}V_{td}^{*}\frac{e^{2}}{16\pi^{2}}m_{b}(\bar{d}_{L}b_{R})(\bar{\mu}\gamma_{5}\mu)$	\mathbf{C}
CPp_bdmumu	$\frac{4Q_F^2}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\mu}\gamma_5\mu)$	\mathbf{C}
C9_bdtautau	$rac{4Q_F^2}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_L\gamma^{\mu}b_L)(ar{ au}\gamma_{\mu} au)$	\mathbf{C}
C9p_bdtautau	$\frac{4Q_F^2}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\tau}\gamma_{\mu}\tau)$	\mathbf{C}
C10_bdtautau	$rac{4 V_F^2}{\sqrt{2}} V_{tb} V_{td}^* rac{e^2}{16 \pi^2} (ar{d}_L \gamma^\mu b_L) (ar{ au} \gamma_\mu \gamma_5 au)$	\mathbf{C}
C10p_bdtautau	$\frac{4Q_F^2}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\tau}\gamma_{\mu}\gamma_5\tau)$	\mathbf{C}
CS_bdtautau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{\tau}\tau)$	\mathbf{C}
CSp_bdtautau	$\frac{4Q_F^2}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{ au} au)$	\mathbf{C}
CP_bdtautau	$\frac{4Q_F^2}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{ au}\gamma_5 au)$	\mathbf{C}
CPp_bdtautau	$\frac{4Q_F^2}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\tau}\gamma_5\tau)$	\mathbf{C}
C7_bd	$\frac{4V_{E}^{2}}{\sqrt{2}}V_{tb}V_{td}^{*}\frac{e}{16\pi^{2}}m_{b}(\bar{d}_{L}\sigma^{\mu\nu}b_{R})(F_{\mu\nu})$	$^{\mathrm{C}}$
C7p_bd	$\frac{4\tilde{G}_{F}}{\sqrt{2}}V_{tb}V_{td}^{*}\frac{e}{16\pi^{2}}m_{b}(\bar{d}_{R}\sigma^{\mu\nu}b_{L})(F_{\mu\nu})$	\mathbf{C}
C8_bd	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^* \frac{g_s}{16\pi^2}m_b(\bar{d}_L\sigma^{\mu\nu}T^ab_R)(G_{\mu\nu}^a)$	C
C8p_bd	$\frac{4\widetilde{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{g_s}{16\pi^2}m_b(\bar{d}_R\sigma^{\mu\nu}T^ab_L)(G_{\mu\nu}^a)$	\mathbf{C}

dbnunu

WC name	Operator	Type
CL_bdnuenue	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{ u}_e\gamma_{\mu}(1-\gamma_5) u_e)$	C
${\tt CL_bdnumunumu}$	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{\nu}_{\mu}\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}
${\tt CL_bdnutaunutau}$	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_L\gamma^{\mu}b_L)(ar{ u}_{ au}\gamma_{\mu}(1-\gamma_5) u_{ au})$	\mathbf{C}
CL_bdnuenumu	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{ u}_{\mu}\gamma_{\mu}(1-\gamma_5) u_e)$	\mathbf{C}
CL_bdnumunue	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{ u}_e\gamma_{\mu}(1-\gamma_5) u_{\mu})$	\mathbf{C}
${\tt CL_bdnumunutau}$	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{ u}_{ au}\gamma_{\mu}(1-\gamma_5) u_{\mu})$	\mathbf{C}
${\tt CL_bdnutaunumu}$	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{ u}_{\mu}\gamma_{\mu}(1-\gamma_5) u_{ au})$	\mathbf{C}
CL_bdnuenutau	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{ u}_{ au}\gamma_{\mu}(1-\gamma_5) u_e)$	\mathbf{C}
CL_bdnutaunue	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{ u}_e\gamma_{\mu}(1-\gamma_5) u_{ au})$	\mathbf{C}
CR_bdnuenue	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\nu}_e\gamma_{\mu}(1-\gamma_5)\nu_e)$	\mathbf{C}
CR_bdnumunumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\nu}_{\mu}\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}

WC name	Operator	Type
CR_bdnutaunutau	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_R\gamma^{\mu}b_R)(ar{ u}_{ au}\gamma_{\mu}(1-\gamma_5) u_{ au})$	C
CR_bdnuenumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\nu}_{\mu}\gamma_{\mu}(1-\gamma_5)\nu_e)$	\mathbf{C}
CR_bdnumunue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\nu}_e\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}
CR_bdnumunutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\nu}_{\tau}\gamma_{\mu}(1-\gamma_5)\nu_{\mu})$	\mathbf{C}
CR_bdnutaunumu	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\nu}_{\mu}\gamma_{\mu}(1-\gamma_5)\nu_{\tau})$	\mathbf{C}
CR_bdnuenutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\nu}_{\tau}\gamma_{\mu}(1-\gamma_5)\nu_e)$	\mathbf{C}
CR_bdnutaunue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\nu}_e\gamma_{\mu}(1-\gamma_5)\nu_{\tau})$	\mathbf{C}

${\tt sbemu}$

WC name	Operator	Type
C9_bsemu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^{\mu} b_L)(\bar{\mu} \gamma_{\mu} e)$	$^{\mathrm{C}}$
C9p_bsemu	$rac{4 G_F}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} (ar{s}_R \gamma^\mu b_R) (ar{\mu} \gamma_\mu e)$	\mathbf{C}
C10_bsemu	$rac{4 { m G}_F}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} (ar{s}_L \gamma^\mu b_L) (ar{\mu} \gamma_\mu \gamma_5 e)$	\mathbf{C}
C10p_bsemu	$rac{4 { m G}_F}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} (ar{s}_R \gamma^\mu b_R) (ar{\mu} \gamma_\mu \gamma_5 e)$	\mathbf{C}
CS_bsemu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}m_b(\bar{s}_L b_R)(\bar{\mu}e)$	\mathbf{C}
CSp_bsemu	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\mu}e)$	\mathbf{C}
CP_bsemu	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}m_b(ar{s}_Lb_R)(ar{\mu}\gamma_5e)$	\mathbf{C}
CPp_bsemu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\mu}\gamma_5e)$	\mathbf{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	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_R\gamma^{\mu}b_R)(ar{e}\gamma_{\mu}\mu)$	\mathbf{C}
C10_bsmue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^{\mu} b_L) (\bar{e}\gamma_{\mu}\gamma_5 \mu)$	\mathbf{C}
C10p_bsmue	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_R\gamma^{\mu}b_R)(ar{e}\gamma_{\mu}\gamma_5\mu)$	\mathbf{C}
CS_bsmue	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{e}\mu)$	\mathbf{C}
CSp_bsmue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{e}\mu)$	\mathbf{C}
CP_bsmue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{e}\gamma_5\mu)$	\mathbf{C}
CPp_bsmue	$\frac{4\overleftarrow{G_F}}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{e}\gamma_5\mu)$	C

sbetau

WC name	Operator	Type
C9_bsetau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\tau}\gamma_{\mu}e)$	\mathbf{C}
C9p_bsetau	$rac{4 { m G}_F}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} (ar{s}_R \gamma^\mu b_R) (ar{ au} \gamma_\mu e)$	\mathbf{C}
C10_bsetau	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_L\gamma^{\mu}b_L)(ar{ au}\gamma_{\mu}\gamma_5 e)$	$^{\mathrm{C}}$
C10p_bsetau	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_R\gamma^{\mu}b_R)(ar{ au}\gamma_{\mu}\gamma_5 e)$	$^{\mathrm{C}}$
CS_bsetau	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{\tau}e)$	\mathbf{C}
CSp_bsetau	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}m_b(ar{s}_Rb_L)(ar{ au}e)$	\mathbf{C}
CP_bsetau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}m_b(\bar{s}_L b_R)(\bar{\tau}\gamma_5 e)$	\mathbf{C}
CPp_bsetau	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\tau}\gamma_5e)$	С

sbtaue

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

${\tt sbmutau}$

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	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\tau}\gamma_{\mu}\mu)$	\mathbf{C}
C10_bsmutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_L\gamma^{\mu}b_L)(\bar{\tau}\gamma_{\mu}\gamma_5\mu)$	\mathbf{C}
C10p_bsmutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}(\bar{s}_R\gamma^{\mu}b_R)(\bar{\tau}\gamma_{\mu}\gamma_5\mu)$	\mathbf{C}
CS_bsmutau	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Lb_R)(\bar{ au}\mu)$	\mathbf{C}
CSp_bsmutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2}m_b(\bar{s}_R b_L)(\bar{\tau}\mu)$	\mathbf{C}
CP_bsmutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_L b_R)(\bar{\tau}\gamma_5\mu)$	\mathbf{C}

WC name	Operator	Type
CPp_bsmutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\tau}\gamma_5\mu)$	С

sbtaumu

WC name	Operator	Type
C9_bstaumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^* \frac{e^2}{16\pi^2} (\bar{s}_L \gamma^{\mu} b_L)(\bar{\mu}\gamma_{\mu}\tau)$	$^{\rm C}$
C9p_bstaumu	$\frac{4\tilde{Q}_{F}}{\sqrt{2}}V_{tb}V_{ts}^{*}\frac{e^{2}}{16\pi^{2}}(\bar{s}_{R}\gamma^{\mu}b_{R})(\bar{\mu}\gamma_{\mu} au)$	\mathbf{C}
C10_bstaumu	$rac{4 G_F}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} (ar{s}_L \gamma^\mu b_L) (ar{\mu} \gamma_\mu \gamma_5 au)$	\mathbf{C}
C10p_bstaumu	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}(ar{s}_R\gamma^{\mu}b_R)(ar{\mu}\gamma_{\mu}\gamma_5 au)$	\mathbf{C}
CS_bstaumu	$rac{4 { m G}_F}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} m_b (ar{s}_L b_R) (ar{\mu} au)$	\mathbf{C}
CSp_bstaumu	$rac{4 { m G}_F}{\sqrt{2}} V_{tb} V_{ts}^* rac{e^2}{16 \pi^2} m_b (ar{s}_R b_L) (ar{\mu} au)$	\mathbf{C}
CP_bstaumu	$rac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*rac{e^2}{16\pi^2}m_b(ar{s}_Lb_R)(ar{\mu}\gamma_5 au)$	\mathbf{C}
CPp_bstaumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{ts}^*\frac{e^2}{16\pi^2}m_b(\bar{s}_Rb_L)(\bar{\mu}\gamma_5\tau)$	\mathbf{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	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\mu}\gamma_{\mu}e)$	\mathbf{C}
C10_bdemu	$\frac{4\dot{G}_{F}}{\sqrt{2}}V_{tb}V_{td}^{*}\frac{e^{2}}{16\pi^{2}}(\bar{d}_{L}\gamma^{\mu}b_{L})(\bar{\mu}\gamma_{\mu}\gamma_{5}e)$	$^{\mathrm{C}}$
C10p_bdemu	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{\mu}\gamma_{\mu}\gamma_5 e)$	$^{\mathrm{C}}$
CS_bdemu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{\mu}e)$	\mathbf{C}
CSp_bdemu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\mu}e)$	$^{\mathrm{C}}$
CP_bdemu	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{\mu}\gamma_5e)$	$^{\mathrm{C}}$
CPp_bdemu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\mu}\gamma_5e)$	\mathbf{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	$\frac{\sqrt{2}}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{e}\gamma_{\mu}\mu)$	\mathbf{C}
C10_bdmue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{e}\gamma_{\mu}\gamma_5\mu)$	\mathbf{C}

WC name	Operator	Type
C10p_bdmue	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(\bar{d}_R\gamma^{\mu}b_R)(\bar{e}\gamma_{\mu}\gamma_5\mu)$	С
CS_bdmue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{e}\mu)$	\mathbf{C}
CSp_bdmue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{e}\mu)$	\mathbf{C}
CP_bdmue	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{e}\gamma_5\mu)$	\mathbf{C}
CPp_bdmue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{e}\gamma_5\mu)$	\mathbf{C}

${\tt dbetau}$

WC name	Operator	Type
C9_bdetau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^* \frac{e^2}{16\pi^2}(\bar{d}_L\gamma^{\mu}b_L)(\bar{\tau}\gamma_{\mu}e)$	\mathbf{C}
C9p_bdetau	$rac{4ar{Q}_{F}}{\sqrt{2}}V_{tb}V_{td}^{*}rac{e^{2}}{16\pi^{2}}(ar{d}_{R}\gamma^{\mu}b_{R})(ar{ au}\gamma_{\mu}e)$	\mathbf{C}
C10_bdetau	$rac{4ar{G_F}}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_L\gamma^{\mu}b_L)(ar{ au}\gamma_{\mu}\gamma_5 e)$	\mathbf{C}
C10p_bdetau	$rac{4ar{G_F}}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_R\gamma^{\mu}b_R)(ar{ au}\gamma_{\mu}\gamma_5 e)$	\mathbf{C}
CS_bdetau	$\frac{4 \overleftarrow{G_F}}{\sqrt{2}} V_{tb} V_{td}^* \frac{e^2}{16\pi^2} m_b(\bar{d}_L b_R)(\bar{\tau} e)$	\mathbf{C}
CSp_bdetau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\tau}e)$	\mathbf{C}
CP_bdetau	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{ au}\gamma_5e)$	\mathbf{C}
CPp_bdetau	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\tau}\gamma_5 e)$	\mathbf{C}

dbtaue

WC name	Operator	Type
C9_bdtaue	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_L\gamma^{\mu}b_L)(ar{e}\gamma_{\mu} au)$	C
C9p_bdtaue	$\frac{4\tilde{G}_{F}^{2}}{\sqrt{2}}V_{tb}V_{td}^{*}\frac{e^{2}}{16\pi^{2}}(\bar{d}_{R}\gamma^{\mu}b_{R})(\bar{e}\gamma_{\mu} au)$	\mathbf{C}
C10_bdtaue	$rac{4ar{G_F}}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_L\gamma^\mu b_L)(ar{e}\gamma_\mu\gamma_5 au)$	\mathbf{C}
C10p_bdtaue	$rac{4ar{G_F}}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_R\gamma^\mu b_R)(ar{e}\gamma_\mu\gamma_5 au)$	\mathbf{C}
CS_bdtaue	$rac{4 \dot{G_F}}{\sqrt{2}} V_{tb} V_{td}^* rac{e^2}{16 \pi^2} m_b (ar{d}_L b_R) (ar{e} au)$	\mathbf{C}
CSp_bdtaue	$rac{4ar{G}_{F}}{\sqrt{2}}V_{tb}V_{td}^{*}rac{e^{2}}{16\pi^{2}}m_{b}(ar{d}_{R}b_{L})(ar{e} au)$	\mathbf{C}
CP_bdtaue	$rac{4ar{G_F}}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}m_b(ar{d}_Lb_R)(ar{e}\gamma_5 au)$	\mathbf{C}
CPp_bdtaue	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{e}\gamma_5\tau)$	C

${\tt dbmutau}$

WC name	Operator	Type
C9_bdmutau	$rac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* rac{e^2}{16\pi^2} (ar{d}_L \gamma^\mu b_L) (ar{ au} \gamma_\mu \mu)$	C
C9p_bdmutau	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_R\gamma^{\mu}b_R)(ar{ au}\gamma_{\mu}\mu)$	$^{\mathrm{C}}$
C10_bdmutau	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_L\gamma^{\mu}b_L)(ar{ au}\gamma_{\mu}\gamma_{5}\mu)$	$^{\mathrm{C}}$
C10p_bdmutau	$rac{4 ar{G}_F}{\sqrt{2}} V_{tb} V_{td}^* rac{e^2}{16 \pi^2} (ar{d}_R \gamma^\mu b_R) (ar{ au} \gamma_\mu \gamma_5 \mu)$	\mathbf{C}
CS_bdmutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{\tau}\mu)$	\mathbf{C}
CSp_bdmutau	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\tau}\mu)$	\mathbf{C}
CP_bdmutau	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{\tau}\gamma_5\mu)$	\mathbf{C}
CPp_bdmutau	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\tau}\gamma_5\mu)$	C

dbtaumu

WC name	Operator	Type
C9_bdtaumu	$rac{4G_F}{\sqrt{2}} V_{tb} V_{td}^* rac{e^2}{16\pi^2} (ar{d}_L \gamma^\mu b_L) (ar{\mu} \gamma_\mu au)$	C
C9p_bdtaumu	$\frac{4\ddot{G}_{F}}{\sqrt{2}}V_{tb}V_{td}^{*}\frac{e^{2}}{16\pi^{2}}(\bar{d}_{R}\gamma^{\mu}b_{R})(\bar{\mu}\gamma_{\mu} au)$	\mathbf{C}
C10_bdtaumu	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_L\gamma^{\mu}b_L)(ar{\mu}\gamma_{\mu}\gamma_5 au)$	\mathbf{C}
C10p_bdtaumu	$rac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}(ar{d}_R\gamma^{\mu}b_R)(ar{\mu}\gamma_{\mu}\gamma_5 au)$	\mathbf{C}
CS_bdtaumu	$rac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*rac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{\mu} au)$	\mathbf{C}
CSp_bdtaumu	$\frac{4\dot{G}_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\mu}\tau)$	\mathbf{C}
CP_bdtaumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Lb_R)(\bar{\mu}\gamma_5\tau)$	\mathbf{C}
CPp_bdtaumu	$\frac{4G_F}{\sqrt{2}}V_{tb}V_{td}^*\frac{e^2}{16\pi^2}m_b(\bar{d}_Rb_L)(\bar{\mu}\gamma_5\tau)$	\mathbf{C}

${\tt cbenu}$

WC name	Operator	Type
CV_bcenue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^{\mu}b_L)(\bar{e}_L\gamma_{\mu}\nu_{eL})$	C
CVp_bcenue	$-rac{4G_F}{\sqrt{2}}V_{cb}(ar{c}_R\gamma^\mu b_R)(ar{e}_L\gamma_\mu u_{eL})$	\mathbf{C}
CS_bcenue	$-rac{4ar{G_F}}{\sqrt{2}}V_{cb}m_b(ar{c}_Lb_R)(ar{e}_R u_{eL})$	\mathbf{C}
CSp_bcenue	$-rac{4\widetilde{G_F}}{\sqrt{2}}V_{cb}m_b(ar{c}_Rb_L)(ar{e}_R u_{eL})$	\mathbf{C}
CT_bcenue	$-rac{4G_F}{\sqrt{2}}V_{cb}(ar{c}_R\sigma^{\mu u}b_L)(ar{e}_R\sigma_{\mu u} u_{eL})$	\mathbf{C}
CV_bcenumu	$-rac{4G_F}{\sqrt{2}}V_{cb}(ar{c}_L\gamma^\mu b_L)(ar{e}_L\gamma_\mu u_{\mu L})$	\mathbf{C}
CVp_bcenumu	$-rac{4G_F}{\sqrt{2}}V_{cb}(ar{c}_R\gamma^\mu b_R)(ar{e}_L\gamma_\mu u_{\mu L})$	\mathbf{C}
CS_bcenumu	$-rac{4G_F}{\sqrt{2}}V_{cb}m_b(ar{c}_Lb_R)(ar{e}_R u_{\mu L})$	\mathbf{C}
CSp_bcenumu	$-rac{4 G_F}{\sqrt{2}} V_{cb} m_b (ar{c}_R b_L) (ar{e}_R u_{\mu L})$	\mathbf{C}
CT_bcenumu	$-\frac{4G_F^2}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu}b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{\mu L})$	\mathbf{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	$-rac{4G_F}{\sqrt{2}}V_{cb}(ar{c}_L\gamma^\mu b_L)(ar{e}_L\gamma_\mu u_{ au L}) \ -rac{4G_F}{\sqrt{2}}V_{cb}(ar{c}_R\gamma^\mu b_R)(ar{e}_L\gamma_\mu u_{ au L})$	$^{\mathrm{C}}$
CS_bcenutau	$-\frac{4G_F}{\sqrt{c}}V_{cb}m_b(\bar{c}_Lb_R)(\bar{e}_R\nu_{\tau L})$	\mathbf{C}
CSp_bcenutau	$-rac{4 \widetilde{G_F}}{\sqrt{2}} V_{cb} m_b (ar{c}_R b_L) (ar{e}_R u_{ au L})$	\mathbf{C}
CT_bcenutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}m_b(\bar{c}_Rb_L)(\bar{e}_R\nu_{\tau L}) \\ -\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu}b_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{\tau L})$	С

ubenu

WC name	Operator	Type
CV_buenue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^{\mu}b_L)(\bar{e}_L\gamma_{\mu}\nu_{eL})$	\overline{C}
CVp_buenue	$-rac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}(ar{u}_R\gamma^\mu b_R)(ar{e}_L\gamma_\mu u_{eL})$	$^{\mathrm{C}}$
CS_buenue	$-\frac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{e}_R\nu_{eL})$	$^{\mathrm{C}}$
CSp_buenue	$-\frac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}m_b(\bar{u}_Rb_L)(\bar{e}_R\nu_{eL})$	\mathbf{C}
CT_buenue	$-rac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}(ar{u}_R\sigma^{\mu u}b_L)(ar{e}_R\sigma_{\mu u} u_{eL})$	$^{\mathrm{C}}$
CV_buenumu	$-rac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}(ar{u}_L\gamma^\mu b_L)(ar{e}_L\gamma_\mu u_{\mu L})$	$^{\mathrm{C}}$
CVp_buenumu	$-rac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}(ar{u}_R\gamma^\mu b_R)(ar{e}_L\gamma_\mu u_{\mu L})$	$^{\mathrm{C}}$
CS_buenumu	$-\frac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{e}_R\nu_{\mu L})$	$^{\mathrm{C}}$
CSp_buenumu	$-\frac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}m_b(\bar{u}_Rb_L)(\bar{e}_R\nu_{\mu L})$	$^{\mathrm{C}}$
CT_buenumu	$-rac{4rac{G_F}}{\sqrt{2}}V_{ub}(ar{u}_R\sigma^{\mu u}b_L)(ar{e}_R\sigma_{\mu u} u_{\mu L})$	$^{\mathrm{C}}$
CV_buenutau	$-rac{4\widetilde{G}_F^c}{\sqrt{2}}V_{ub}(ar{u}_L\gamma^\mu b_L)(ar{e}_L\gamma_\mu u_{ au L})$	$^{\mathrm{C}}$
CVp_buenutau	$-rac{4\widetilde{G}_F^c}{\sqrt{2}}V_{ub}(ar{u}_R\gamma^\mu b_R)(ar{e}_L\gamma_\mu u_{ au L})$	$^{\mathrm{C}}$
CS_buenutau	$-rac{4\widetilde{V}_F^2}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{e}_R u_{ au L})$	\mathbf{C}
CSp_buenutau	$-\frac{4G_F^2}{\sqrt{2}}V_{ub}m_b(\bar{u}_R b_L)(\bar{e}_R u_{ au L})$	\mathbf{C}
CT_buenutau	$-rac{4reve{G}_F^2}{\sqrt{2}}V_{ub}(ar{u}_R\sigma^{\mu u}b_L)(ar{e}_R\sigma_{\mu u} u_{ au L})$	\mathbf{C}

usenu

WC name	Operator	Type
CV_suenue	$-rac{4G_F}{\sqrt{2}}V_{us}(ar{u}_L\gamma^\mu s_L)(ar{e}_L\gamma_\mu u_{eL})$	C
CVp_suenue	$-rac{4G_F}{\sqrt{2}}V_{us}(ar{u}_R\gamma^{\mu}s_R)(ar{e}_L\gamma_{\mu} u_{eL}) \ -rac{4G_F}{\sqrt{2}}V_{us}m_s(ar{u}_Ls_R)(ar{e}_R u_{eL})$	$^{\mathrm{C}}$
CS_suenue	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Ls_R)(\bar{e}_R u_{eL})$	\mathbf{C}
CSp_suenue	$-\frac{4G_F}{G}V_{us}m_s(\bar{u}_Rs_L)(\bar{e}_R\nu_{eL})$	$^{\mathrm{C}}$
CT_suenue	$-rac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\sigma^{\mu u}s_L)(\bar{e}_R\sigma_{\mu u} u_{eL})$	$^{\mathrm{C}}$
CV_suenumu	$-rac{4G_F}{\sqrt{2}}V_{us}(ar{u}_L\gamma^\mu s_L)(ar{e}_L\gamma_\mu u_{\mu L})$	$^{\mathrm{C}}$
CVp_suenumu	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\sigma^{\mu\nu}s_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{eL}) \\ -\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_L\gamma^{\mu}s_L)(\bar{e}_L\gamma_{\mu}\nu_{\mu L}) \\ -\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\gamma^{\mu}s_R)(\bar{e}_L\gamma_{\mu}\nu_{\mu L})$	\mathbf{C}

WC name	Operator	Type
CS_suenumu	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Ls_R)(\bar{e}_R u_{\mu L})$	С
CSp_suenumu	$-rac{4G_F}{\sqrt{2}}V_{us}m_s(ar{u}_L s_R)(ar{e}_R u_{\mu L}) \ -rac{4G_F}{\sqrt{2}}V_{us}m_s(ar{u}_R s_L)(ar{e}_R u_{\mu L})$	\mathbf{C}
CT_suenumu	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\sigma^{\mu\nu}s_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{\mu L})$	\mathbf{C}
CV_suenutau	$-rac{4\overset{\circ}{V_{L}^{2}}}{\sqrt{2}}V_{us}(ar{u}_{L}\gamma^{\mu}s_{L})(ar{e}_{L}\gamma_{\mu} u_{ au L})$	\mathbf{C}
CVp_suenutau	$-\frac{4\tilde{G}_F}{\sqrt{2}}V_{us}(\bar{u}_R\gamma^\mu s_R)(\bar{e}_L\gamma_\mu\nu_{\tau L})$	\mathbf{C}
CS_suenutau	$-rac{4ar{G}_F}{\sqrt{2}}V_{us}m_s(ar{u}_Ls_R)(ar{e}_R u_{ au L})$	\mathbf{C}
CSp_suenutau	$-rac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Rs_L)(\bar{e}_R u_{ au L})$	\mathbf{C}
CT_suenutau	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\sigma^{\mu\nu}s_L)(\bar{e}_R\sigma_{\mu\nu}\nu_{\tau L})$	С

cbmunu

WC name	Operator	Type
CV_bcmunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^{\mu}b_L)(\bar{\mu}_L\gamma_{\mu}\nu_{eL})$	С
CVp_bcmunue	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}(ar{c}_R\gamma^\mu b_R)(ar{\mu}_L\gamma_\mu u_{eL})$	\mathbf{C}
CS_bcmunue	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}m_b(\bar{c}_Lb_R)(\bar{\mu}_R u_{eL})$	\mathbf{C}
CSp_bcmunue	$-\frac{4\tilde{G}_F}{\sqrt{2}}V_{cb}m_b(\bar{c}_Rb_L)(\bar{\mu}_R\nu_{eL})$	$^{\mathrm{C}}$
CT_bcmunue	$-rac{4\widetilde{G}_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu}b_L)(\bar{\mu}_R\sigma_{\mu\nu} u_{eL})$	$^{\mathrm{C}}$
CV_bcmunumu	$-rac{4\widetilde{G}_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu u_{\mu L})$	$^{\mathrm{C}}$
CVp_bcmunumu	$-rac{4\widetilde{G}_F^c}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu u_{\mu L})$	$^{\mathrm{C}}$
CS_bcmunumu	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}m_b(\bar{c}_Lb_R)(\bar{\mu}_R u_{\mu L})$	$^{\mathrm{C}}$
CSp_bcmunumu	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}m_b(ar{c}_Rb_L)(ar{\mu}_R u_{\mu L})$	$^{\mathrm{C}}$
CT_bcmunumu	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}(ar{c}_R\sigma^{\mu u}b_L)(ar{\mu}_R\sigma_{\mu u} u_{\mu L})$	\mathbf{C}
CV_bcmunutau	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}(ar{c}_L\gamma^\mu b_L)(ar{\mu}_L\gamma_\mu u_{ au L})$	\mathbf{C}
CVp_bcmunutau	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}(ar{c}_R\gamma^\mu b_R)(ar{\mu}_L\gamma_\mu u_{ au L})$	\mathbf{C}
CS_bcmunutau	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}m_b(ar{c}_Lb_R)(ar{\mu}_R u_{ au L})$	\mathbf{C}
CSp_bcmunutau	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}m_b(ar{c}_Rb_L)(ar{\mu}_R u_{ au L})$	\mathbf{C}
CT_bcmunutau	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{cb}(ar{c}_R\sigma^{\mu u}b_L)(ar{\mu}_R\sigma_{\mu u} u_{ au L})$	\mathbf{C}

ubmunu

WC name	Operator	Type
CV_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^{\mu}b_L)(\bar{\mu}_L\gamma_{\mu}\nu_{eL})$	С
CVp_bumunue	$-rac{4ar{G_F}}{\sqrt{2}}V_{ub}(ar{u}_R\gamma^\mu b_R)(ar{\mu}_L\gamma_\mu u_{eL})$	$^{\mathrm{C}}$
CS_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{\mu}_R\nu_{eL})$	$^{\mathrm{C}}$
CSp_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^{\mu}b_L)(\bar{\mu}_L\gamma_{\mu}\nu_{eL}) \\ -\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^{\mu}b_R)(\bar{\mu}_L\gamma_{\mu}\nu_{eL}) \\ -\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{\mu}_R\nu_{eL}) \\ -\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Rb_L)(\bar{\mu}_R\nu_{eL})$	\mathbf{C}

WC name	Operator	Type
CT_bumunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu}b_L)(\bar{\mu}_R\sigma_{\mu\nu}\nu_{eL})$	С
CV_bumunumu	$-rac{4\widetilde{G}_F^2}{\sqrt{2}}V_{ub}(ar{u}_L\gamma^\mu b_L)(ar{\mu}_L\gamma_\mu u_{\mu L})$	\mathbf{C}
CVp_bumunumu	$-\frac{4\widetilde{G}_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\mu L})$	\mathbf{C}
CS_bumunumu	$-rac{4\widetilde{G_F}}{\sqrt{2}}V_{ub}m_b(ar{u}_Lb_R)(ar{\mu}_R u_{\mu L})$	\mathbf{C}
CSp_bumunumu	$-rac{4\widetilde{G}_F}{\sqrt{2}}V_{ub}m_b(ar{u}_Rb_L)(ar{\mu}_R u_{\mu L})$	\mathbf{C}
CT_bumunumu	$-rac{4 \widetilde{G}_F}{\sqrt{2}} V_{ub} (ar{u}_R \sigma^{\mu u} b_L) (ar{\mu}_R \sigma_{\mu u} u_{\mu L})$	\mathbf{C}
CV_bumunutau	$-rac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\mu}_L\gamma_\mu u_{\tau L})$	\mathbf{C}
CVp_bumunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^\mu b_R)(\bar{\mu}_L\gamma_\mu\nu_{\tau L})$	\mathbf{C}
CS_bumunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{\mu}_R\nu_{\tau L})$	\mathbf{C}
CSp_bumunutau	$-\frac{4\tilde{G}_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Rb_L)(\bar{\mu}_R u_{\tau L})$	\mathbf{C}
CT_bumunutau	$-rac{4\widetilde{G}_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu u}b_L)(\bar{\mu}_R\sigma_{\mu u} u_{ au L})$	С

usmunu

WC name	Operator	Type
CV_sumunue	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_L\gamma^{\mu}s_L)(\bar{\mu}_L\gamma_{\mu}\nu_{eL})$	С
CVp_sumunue	$-rac{4ar{G}_F^F}{\sqrt{2}}V_{us}(ar{u}_R\gamma^\mu s_R)(ar{\mu}_L\gamma_\mu u_{eL})$	\mathbf{C}
CS_sumunue	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Ls_R)(\bar{\mu}_R\nu_{eL})$	$^{\mathrm{C}}$
CSp_sumunue	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Rs_L)(\bar{\mu}_R\nu_{eL})$	\mathbf{C}
CT_sumunue	$-rac{4ar{G}_F}{\sqrt{2}}V_{us}(ar{u}_R\sigma^{\mu u}s_L)(ar{\mu}_R\sigma_{\mu u} u_{eL})$	\mathbf{C}
CV_sumunumu	$-rac{4ar{G_F}}{\sqrt{2}}V_{us}(ar{u}_L\gamma^\mu s_L)(ar{\mu}_L\gamma_\mu u_{\mu L})$	\mathbf{C}
CVp_sumunumu	$-rac{4ar{G_F}}{\sqrt{2}}V_{us}(ar{u}_R\gamma^\mu s_R)(ar{\mu}_L\gamma_\mu u_{\mu L})$	\mathbf{C}
CS_sumunumu	$-rac{4ar{G_F}}{\sqrt{2}}V_{us}m_s(ar{u}_Ls_R)(ar{\mu}_R u_{\mu L})$	\mathbf{C}
CSp_sumunumu	$-rac{4ar{G_F}}{\sqrt{2}}V_{us}m_s(ar{u}_Rs_L)(ar{\mu}_R u_{\mu L})$	\mathbf{C}
CT_sumunumu	$-rac{4ar{G}_F}{\sqrt{2}}V_{us}(ar{u}_R\sigma^{\mu u}s_L)(ar{\mu}_R\sigma_{\mu u} u_{\mu L})$	\mathbf{C}
CV_sumunutau	$-rac{4ar{G_F}}{\sqrt{2}}V_{us}(ar{u}_L\gamma^\mu s_L)(ar{\mu}_L\gamma_\mu u_{ au L})$	\mathbf{C}
CVp_sumunutau	$-rac{4ar{G_F}}{\sqrt{2}}V_{us}(ar{u}_R\gamma^\mu s_R)(ar{\mu}_L\gamma_\mu u_{ au L})$	\mathbf{C}
CS_sumunutau	$-rac{4ar{G_F}}{\sqrt{2}}V_{us}m_s(ar{u}_Ls_R)(ar{\mu}_R u_{ au L})$	\mathbf{C}
CSp_sumunutau	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Rs_L)(\bar{\mu}_R\nu_{\tau L})$	\mathbf{C}
CT_sumunutau	$-rac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\sigma^{\mu u}s_L)(\bar{\mu}_R\sigma_{\mu u} u_{ au L})$	\mathbf{C}

cbtaunu

WC name	Operator	Type
CV_bctaunue	$-rac{4G_F}{\sqrt{2}}V_{cb}(ar{c}_L\gamma^\mu b_L)(ar{ au}_L\gamma_\mu u_{eL})$	C

WC name	Operator	Type
CVp_bctaunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^{\mu}b_R)(\bar{\tau}_L\gamma_{\mu}\nu_{eL})$	
CS_bctaunue	$-rac{4\widetilde{G}_F}{\sqrt{2}}V_{cb}m_b(\bar{c}_Lb_R)(\bar{ au}_R u_{eL})$	\mathbf{C}
CSp_bctaunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}m_b(\bar{c}_Rb_L)(\bar{\tau}_R\nu_{eL})$	\mathbf{C}
CT_bctaunue	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu}b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{eL})$	\mathbf{C}
CV_bctaunumu	$-rac{4G_F}{\sqrt{2}}V_{cb}(ar{c}_L\gamma^\mu b_L)(ar{ au}_L\gamma_\mu u_{\mu L})$	\mathbf{C}
CVp_bctaunumu	$-rac{4\ddot{G_F}}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{ au}_L\gamma_\mu u_{\mu L})$	\mathbf{C}
CS_bctaunumu	$-rac{4G_F}{\sqrt{2}}V_{cb}m_b(ar{c}_Lb_R)(ar{ au}_R u_{\mu L})$	\mathbf{C}
CSp_bctaunumu	$-rac{4G_F}{\sqrt{2}}V_{cb}m_b(ar{c}_Rb_L)(ar{ au}_R u_{\mu L})$	\mathbf{C}
CT_bctaunumu	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu}b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\mu L})$	\mathbf{C}
CV_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu u_{\tau L})$	\mathbf{C}
CVp_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}(\bar{c}_R\gamma^\mu b_R)(\bar{\tau}_L\gamma_\mu u_{\tau L})$	\mathbf{C}
CS_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}m_b(\bar{c}_Lb_R)(\bar{\tau}_R\nu_{\tau L})$	\mathbf{C}
CSp_bctaunutau	$-\frac{4G_F}{\sqrt{2}}V_{cb}m_b(\bar{c}_Rb_L)(\bar{\tau}_R u_{\tau L})$	\mathbf{C}
CT_bctaunutau	$-\frac{4\check{G}_F}{\sqrt{2}}V_{cb}(\bar{c}_R\sigma^{\mu\nu}b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\tau L})$	С

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	$-rac{4\overset{Y}{G_{F}}}{\sqrt{2}}V_{ub}(\bar{u}_{R}\gamma^{\mu}b_{R})(\bar{ au}_{L}\gamma_{\mu} u_{eL})$	\mathbf{C}
CS_butaunue	$-\frac{4\tilde{G}_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{\tau}_R\nu_{eL})$	\mathbf{C}
CSp_butaunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Rb_L)(\bar{\tau}_R\nu_{eL})$	\mathbf{C}
CT_butaunue	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu}b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{eL})$	\mathbf{C}
CV_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^\mu b_L)(\bar{\tau}_L\gamma_\mu\nu_{\mu L})$	\mathbf{C}
CVp_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^{\mu}b_R)(\bar{\tau}_L\gamma_{\mu}\nu_{\mu L})$	\mathbf{C}
CS_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{\tau}_R\nu_{\mu L})$	\mathbf{C}
CSp_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Rb_L)(\bar{\tau}_R\nu_{\mu L})$	\mathbf{C}
CT_butaunumu	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\sigma^{\mu\nu}b_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\mu L})$	\mathbf{C}
CV_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_L\gamma^{\mu}b_L)(\bar{\tau}_L\gamma_{\mu}\nu_{\tau L})$	\mathbf{C}
CVp_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}(\bar{u}_R\gamma^{\mu}b_R)(\bar{\tau}_L\gamma_{\mu}\nu_{\tau L})$	\mathbf{C}
CS_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Lb_R)(\bar{\tau}_R\nu_{\tau L})$	\mathbf{C}
CSp_butaunutau	$-\frac{4G_F}{\sqrt{2}}V_{ub}m_b(\bar{u}_Rb_L)(\bar{\tau}_R\nu_{\tau L})$	\mathbf{C}
CT_butaunutau	$-rac{4ar{\zeta}_F}{\sqrt{2}}V_{ub}(ar{u}_R\sigma^{\mu u}b_L)(ar{ au}_R\sigma_{\mu u} u_{ au L})$	$^{\mathrm{C}}$

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	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\gamma^{\mu}s_R)(\bar{\tau}_L\gamma_{\mu}\nu_{eL})$	$^{\mathrm{C}}$
CS_sutaunue	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Ls_R)(\bar{\tau}_R\nu_{eL})$	\mathbf{C}
CSp_sutaunue	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Rs_L)(\bar{\tau}_R\nu_{eL})$	\mathbf{C}
CT_sutaunue	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\sigma^{\mu\nu}s_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{eL})$	\mathbf{C}
CV_sutaunumu	$-rac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_L\gamma^\mu s_L)(\bar{ au}_L\gamma_\mu u_{\mu L})$	\mathbf{C}
CVp_sutaunumu	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\gamma^\mu s_R)(\bar{\tau}_L\gamma_\mu\nu_{\mu L})$	\mathbf{C}
CS_sutaunumu	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Ls_R)(\bar{\tau}_R\nu_{\mu L})$	\mathbf{C}
CSp_sutaunumu	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Rs_L)(\bar{\tau}_R\nu_{\mu L})$	\mathbf{C}
CT_sutaunumu	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\sigma^{\mu\nu}s_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\mu L})$	\mathbf{C}
CV_sutaunutau	$-rac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_L\gamma^\mu s_L)(\bar{ au}_L\gamma_\mu u_{ au L})$	$^{\mathrm{C}}$
CVp_sutaunutau	$-\frac{4G_F}{\sqrt{2}}V_{us}(\bar{u}_R\gamma^\mu s_R)(\bar{\tau}_L\gamma_\mu\nu_{\tau L})$	$^{\mathrm{C}}$
CS_sutaunutau	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Ls_R)(\bar{\tau}_R\nu_{\tau L})$	$^{\mathrm{C}}$
CSp_sutaunutau	$-\frac{4G_F}{\sqrt{2}}V_{us}m_s(\bar{u}_Rs_L)(\bar{\tau}_R\nu_{\tau L})$	\mathbf{C}
CT_sutaunutau	$-\frac{4\widetilde{G}_F}{\sqrt{2}}V_{us}(\bar{u}_R\sigma^{\mu\nu}s_L)(\bar{\tau}_R\sigma_{\mu\nu}\nu_{\tau L})$	С

Basis formflavor (EFT WET)

Sectors

sbsb

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

dbdb

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

sdsd

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

cucu

WC name	Operator	Type
CVLL_cucu	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_L \gamma_\mu c_L)$	С
CVRR_cucu	$(\bar{u}_R \gamma^\mu c_R)(\bar{u}_R \gamma_\mu c_R)$	\mathbf{C}
CSLL_cucu	$(\bar{u}_R c_L)(\bar{u}_R c_L)$	\mathbf{C}
CSRR_cucu	$(\bar{u}_L c_R)(\bar{u}_L c_R)$	\mathbf{C}
CTLL_cucu	$(\bar{u}_R \sigma^{\mu\nu} c_L)(\bar{u}_R \sigma_{\mu\nu} c_L)$	\mathbf{C}
CTRR_cucu	$(\bar{u}_L \sigma^{\mu\nu} c_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	\mathbf{C}
CVLR_cucu	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_R \gamma_\mu c_R)$	\mathbf{C}
CSLR_cucu	$(\bar{u}_R c_L)(\bar{u}_L c_R)$	\mathbf{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	$(ar{s}_R \gamma^\mu b_R)(ar{\mu}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
CVLR_bsmm	$(ar{s}_L\gamma^\mu b_L)(ar{\mu}_R\gamma_\mu\mu_R)$	\mathbf{C}
CVRL_bsmm	$(ar{s}_R \gamma^\mu b_R)(ar{\mu}_L \gamma_\mu \mu_L)$	$^{\mathrm{C}}$
CSLL_bsmm	$(ar{s}_R b_L)(ar{\mu}_R \mu_L)$	\mathbf{C}
CSRR_bsmm	$(ar{s}_L b_R)(ar{\mu}_L \mu_R)$	\mathbf{C}
CSLR_bsmm	$(ar{s}_R b_L)(ar{\mu}_L \mu_R)$	$^{\mathrm{C}}$
CSRL_bsmm	$(ar{s}_L b_R)(ar{\mu}_R \mu_L)$	$^{\mathrm{C}}$
CTLL_bsmm	$(ar{s}_R\sigma^{\mu u}b_L)(ar{\mu}_R\sigma_{\mu u}\mu_L)$	$^{\mathrm{C}}$
CTRR_bsmm	$(ar{s}_L\sigma^{\mu u}b_R)(ar{\mu}_L\sigma_{\mu u}\mu_R)$	\mathbf{C}
CAR_sb	$(\bar{s}_L \sigma^{\mu u} b_R) F_{\mu u}$	\mathbf{C}
CAL_sb	$(ar{s}_R \sigma^{\mu u} b_L) F_{\mu u}$	C
CGR_sb	$(ar{s}_L\sigma^{\mu u}b_R)G_{\mu u}$	C
CGL_sb	$(ar{s}_R \sigma^{\mu u} b_L) G_{\mu u}$	$^{\mathrm{C}}$

db

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

WC name	Operator	Type
CTLL_bdmm	$(ar{d}_R\sigma^{\mu u}b_L)(ar{\mu}_R\sigma_{\mu u}\mu_L)$	C
CTRR_bdmm	$(ar{d}_L\sigma^{\mu u}b_R)(ar{\mu}_L\sigma_{\mu u}\mu_R)$	C
CAR_db	$(ar{d}_L\sigma^{\mu u}b_R)F_{\mu u}$	C
CAL_db	$(ar{d}_R\sigma^{\mu u}b_L)F_{\mu u}$	$^{\mathrm{C}}$
CGR_db	$(ar{d}_L\sigma^{\mu u}b_R)G_{\mu u}$	$^{\mathrm{C}}$
CGL_db	$(ar{d}_R \sigma^{\mu u} b_L) G_{\mu u}$	C

sdnunu

WC name	Operator	Type
CVLL_sdnn	$(\bar{d}_L \gamma^\mu s_L)(\bar{\nu}_L \gamma_\mu \nu_L)$	С
$\mathtt{CVRL_sdnn}$	$(\bar{d}_R \gamma^\mu s_R)(\bar{\nu}_L \gamma_\mu \nu_L)$	\mathbf{C}

dF=0

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

mue

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

${\tt mutau}$

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

taue

WC name	Operator	Type
CAR_et	$(\bar{e}_L \sigma^{\mu\nu} \tau_R) F_{\mu\nu}$	С
CAL_et	$(\bar{e}_R \sigma^{\mu\nu} \tau_L) F_{\mu\nu}$	\mathbf{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	$(\bar{s}_L \gamma^\mu b_L)(\bar{s}_L \gamma_\mu b_L)$	С
VddRR_2323	$(\bar{s}_R \gamma^\mu b_R)(\bar{s}_R \gamma_\mu b_R)$	\mathbf{C}
V1ddLR_2323	$(\bar{s}_L \gamma^\mu b_L)(\bar{s}_R \gamma_\mu b_R)$	\mathbf{C}
V8ddLR_2323	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A b_R)$	\mathbf{C}
S1ddRR_2323	$(\bar{s}_L b_R)(\bar{s}_L b_R)$	\mathbf{C}
S1ddRR_3232	$(ar{b}_L s_R)(ar{b}_L s_R)$	\mathbf{C}
S8ddRR_2323	$(\bar{s}_L T^A b_R)(\bar{s}_L T^A b_R)$	\mathbf{C}
S8ddRR_3232	$(\bar{b}_L T^A s_R)(\bar{b}_L T^A s_R)$	\mathbf{C}

dbdb

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

sdsd

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

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

cucu

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

dbsb

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

sbuc

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

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

sbcu

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

dbuc

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

dbcu

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

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

sduc

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

sdcu

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

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

sbsd

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

dbds

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

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

sb

WC name	Operator	Type
dgamma_23	$\bar{s}_L \sigma^{\mu\nu} b_R F_{\mu\nu}$	С
dgamma_32	$ar{b}_L \sigma^{\mu u} s_R F_{\mu u}$	\mathbf{C}
dG_23	$ar{s}_L \sigma^{\mu u} T^A b_R^{\ \prime} G^A_{\mu u}$	\mathbf{C}
dG_32	$ar{b}_L \sigma^{\mu u} T^A s_R G^{^{lpha}}_{\mu u}$	\mathbf{C}
VedLL_1123	$(ar{e}_L\gamma^\mu e_L)(ar{s}_L\gamma_\mu b_L)$	\mathbf{C}
VedLL_2223	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{s}_L \gamma_\mu b_L)$	\mathbf{C}
VedLL_3323	$(ar{ au}_L \gamma^\mu au_L) (ar{s}_L \gamma_\mu b_L)$	$^{\mathrm{C}}$
VddLL_1123	$(ar{d}_L\gamma^\mu d_L)(ar{s}_L\gamma_\mu b_L)$	\mathbf{C}
VddLL_1231	$(ar{d}_L \gamma^\mu s_L) (ar{b}_L \gamma_\mu d_L)$	\mathbf{C}
VddLL_2223	$(ar{s}_L \gamma^\mu s_L) (ar{s}_L \gamma_\mu b_L)$	\mathbf{C}
VddLL_2333	$(ar{s}_L \gamma^\mu b_L) (ar{b}_L \gamma_\mu b_L)$	\mathbf{C}
V1udLL_1123	$(ar{u}_L \gamma^\mu u_L) (ar{s}_L \gamma_\mu b_L)$	$^{\mathrm{C}}$
V1udLL_2223	$(ar{c}_L \gamma^\mu c_L) (ar{s}_L \gamma_\mu b_L)$	$^{\mathrm{C}}$
V8udLL_1123	$(ar{u}_L \gamma^\mu T^A u_L) (ar{s}_L \gamma_\mu T^A b_L)$	$^{\mathrm{C}}$
V8udLL_2223	$(ar{c}_L \gamma^\mu T^A c_L) (ar{s}_L \gamma_\mu T^A b_L)$	$^{\mathrm{C}}$
VedRR_1123	$(ar{e}_R \gamma^\mu e_R) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
VedRR_2223	$(ar{\mu}_R \gamma^\mu \mu_R) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
VedRR_3323	$(ar{ au}_R\gamma^\mu au_R)(ar{s}_R\gamma_\mu b_R)$	\mathbf{C}
VddRR_1123	$(ar{d}_R \gamma^\mu d_R) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
VddRR_1231	$(ar{d}_R \gamma^\mu s_R) (ar{b}_R \gamma_\mu d_R)$	\mathbf{C}
VddRR_2223	$(ar{s}_R \gamma^\mu s_R) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
VddRR_2333	$(ar{s}_R \gamma^\mu b_R) (ar{b}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
V1udRR_1123	$(ar{u}_R \gamma^\mu u_R) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
V1udRR_2223	$(ar{c}_R \gamma^\mu c_R) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
V8udRR_1123	$(\bar{u}_R \gamma^\mu T^A u_R)(\bar{s}_R \gamma_\mu T^A b_R)$	\mathbf{C}
V8udRR_2223	$(\bar{c}_R \gamma^\mu T^A c_R) (\bar{s}_R \gamma_\mu T^A b_R)$	\mathbf{C}
VedLR_1123	$(ar{e}_L \gamma^\mu e_L) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
VedLR_2223	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
VedLR_3323	$(ar au_L\gamma^\mu au_L)(ar s_R\gamma_\mu b_R)$	\mathbf{C}
VdeLR_2311	$(ar{s}_L \gamma^\mu b_L) (ar{e}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
VdeLR_2322	$(\bar{s}_L \gamma^\mu b_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VdeLR_2333	$(ar{s}_L \gamma^\mu b_L)(ar{ au}_R \gamma_\mu au_R)$	$^{\mathrm{C}}$
V1udLR_1123	$(ar{u}_L \gamma^\mu u_L) (ar{s}_R \gamma_\mu b_R)$	C
V1udLR_2223	$(ar{c}_L\gamma^\mu c_L)(ar{s}_R\gamma_\mu b_R)$	C
V8udLR_1123	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{s}_R \gamma_\mu T^A b_R)$	\mathbf{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	$(ar{s}_L \gamma^\mu b_L) (ar{u}_R \gamma_\mu u_R)$	\mathbf{C}
V1duLR_2322	$(ar{s}_L \gamma^\mu b_L) (ar{c}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V8duLR_2311	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{u}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8duLR_2322	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{c}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V1ddLR_1123	$(ar{d}_L \gamma^\mu d_L) (ar{s}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
V1ddLR_1231	$(ar{d}_L \gamma^\mu s_L) (ar{b}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
V1ddLR_1321	$(ar{d}_L\gamma^\mu b_L)(ar{s}_R\gamma_\mu d_R)$	$^{\mathrm{C}}$
V1ddLR_2223	$(ar{s}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
V1ddLR_2311	$(ar{s}_L \gamma^\mu b_L) (ar{d}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
V1ddLR_2322	$(ar{s}_L \gamma^\mu b_L)(ar{s}_R \gamma_\mu s_R)$	\mathbf{C}
V1ddLR_2333	$(ar{s}_L \gamma^\mu b_L) (ar{b}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
V1ddLR_3323	$(ar{b}_L \gamma^\mu b_L) (ar{s}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
V8ddLR_1123	$(ar{d}_L \gamma^\mu T^A d_L) (ar{s}_R \gamma_\mu T^A b_R)$	$^{\mathrm{C}}$
V8ddLR_1231	$(\bar{d}_L \gamma^\mu T^A s_L) (\bar{b}_R \gamma_\mu T^A d_R)$	\mathbf{C}
V8ddLR_1321	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A d_R)$	\mathbf{C}
V8ddLR_2223	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A b_R)$	\mathbf{C}
V8ddLR_2311	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A d_R)$	\mathbf{C}
V8ddLR_2322	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A s_R)$	\mathbf{C}
V8ddLR_2333	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A b_R)$	\mathbf{C}
V8ddLR_3323	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A b_R)$	\mathbf{C}
V1udduLR_1231	$(\bar{u}_L \gamma^\mu s_L)(\bar{b}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_1321	$(ar{u}_L \gamma^\mu b_L) (ar{s}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_2232	$(ar{c}_L \gamma^\mu s_L) (ar{b}_R \gamma_\mu c_R)$	\mathbf{C}
V1udduLR_2322	$(ar{c}_L \gamma^\mu b_L) (ar{s}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V8udduLR_1231	$(\bar{u}_L \gamma^\mu T^A s_L) (\bar{b}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8udduLR_1321	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8udduLR_2232	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{b}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V8udduLR_2322	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{s}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
SedRL_1123	$(ar{e}_L e_R)(ar{s}_R b_L)$	\mathbf{C}
SedRL_1132	$(ar{e}_L e_R)(ar{b}_R s_L)$	$^{\mathrm{C}}$
SedRL_2223	$(ar{\mu}_L \mu_R)(ar{s}_R b_L)$	\mathbf{C}
SedRL_2232	$(ar{\mu}_L \mu_R)(ar{b}_R s_L)$	$^{\mathrm{C}}$
SedRL_3323	$(ar au_L au_R)(ar s_R b_L)$	\mathbf{C}
SedRL_3332	$(ar{ au}_L au_R)(ar{b}_Rs_L)$	\mathbf{C}
SedRR_1123	$(ar{e}_L e_R)(ar{s}_L b_R)$	$^{\mathrm{C}}$
SedRR_1132	$(ar{e}_L e_R)(ar{b}_L s_R)$	\mathbf{C}
SedRR_2223	$(ar{\mu}_L \mu_R) (ar{s}_L b_R)$	$^{\mathrm{C}}$
SedRR_2232	$(ar{\mu}_L\mu_R)(ar{b}_Ls_R)$	\mathbf{C}
SedRR_3323	$(ar{ au}_L au_R)(ar{s}_Lb_R)$	$^{\mathrm{C}}$
SedRR_3332	$(ar au_L au_R)(ar b_Ls_R)$	\mathbf{C}
TedRR_1123	$(ar{e}_L\sigma^{\mu u}e_R)(ar{s}_L\sigma_{\mu u}b_R)$	\mathbf{C}
TedRR_1132	$(ar{e}_L\sigma^{\mu u}e_R)(ar{b}_L\sigma_{\mu u}s_R)$	\mathbf{C}

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

db

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

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

WC name	Operator	Type
V1ddLR_1322	$(ar{d}_L \gamma^\mu b_L) (ar{s}_R \gamma_\mu s_R)$	\mathbf{C}
V1ddLR_1333	$(ar{d}_L\gamma^\mu b_L)(ar{b}_R\gamma_\mu b_R)$	$^{\mathrm{C}}$
V1ddLR_2213	$(ar{s}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu b_R)$	\mathbf{C}
V1ddLR_2312	$(ar{s}_L \gamma^\mu b_L) (ar{d}_R \gamma_\mu s_R)$	\mathbf{C}
V1ddLR_3313	$(ar{b}_L \gamma^\mu b_L) (ar{d}_R \gamma_\mu b_R)$	\mathbf{C}
V8ddLR_1113	$(ar{d}_L \gamma^\mu T^A d_L) (ar{d}_R \gamma_\mu T^A b_R)$	\mathbf{C}
V8ddLR_1223	$(ar{d}_L \gamma^\mu T^A s_L) (ar{s}_R \gamma_\mu T^A b_R)$	\mathbf{C}
V8ddLR_1311	$(ar{d}_L \gamma^\mu T^A b_L) (ar{d}_R \gamma_\mu T^A d_R)$	\mathbf{C}
V8ddLR_1322	$(\bar{d}_L \gamma^\mu T^A b_L) (\bar{s}_R \gamma_\mu T^A s_R)$	\mathbf{C}
V8ddLR_1333	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A b_R)$	\mathbf{C}
V8ddLR_2213	$(ar{s}_L \gamma^\mu T^A s_L) (ar{d}_R \gamma_\mu T^A b_R)$	\mathbf{C}
V8ddLR_2312	$(\bar{s}_L \gamma^\mu T^A b_L) (\bar{d}_R \gamma_\mu T^A s_R)$	\mathbf{C}
V8ddLR_3313	$(ar{b}_L \gamma^\mu T^A b_L) (ar{d}_R \gamma_\mu T^A b_R)$	$^{\mathrm{C}}$
V1udduLR_1131	$(ar{u}_L \gamma^\mu d_L) (ar{b}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
V1udduLR_1311	$(ar{u}_L\gamma^\mu b_L)(ar{d}_R\gamma_\mu u_R)$	$^{\mathrm{C}}$
V1udduLR_2132	$(ar{c}_L \gamma^\mu d_L) (ar{b}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V1udduLR_2312	$(ar{c}_L \gamma^\mu b_L) (ar{d}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V8udduLR_1131	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{b}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8udduLR_1311	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8udduLR_2132	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{b}_R \gamma_\mu T^A c_R)$	\mathbf{C}
V8udduLR_2312	$(ar{c}_L \gamma^\mu T^A b_L) (ar{d}_R \gamma_\mu T^A c_R)$	\mathbf{C}
SedRL_1113	$(ar{e}_L e_R)(ar{d}_R b_L)$	\mathbf{C}
SedRL_1131	$(ar{e}_L e_R)(ar{b}_{ar{R}} d_L)$	\mathbf{C}
SedRL_2213	$(ar{\mu}_L\mu_R)(ar{d}_Rb_L)$	$^{\mathrm{C}}$
SedRL_2231	$(ar{\mu}_L\mu_R)(ar{b}_Rd_L)$	$^{\mathrm{C}}$
SedRL_3313	$(ar au_L au_R)(ar d_R b_L)$	$^{\mathrm{C}}$
SedRL_3331	$(ar{ au}_L au_R)(b_{ar{R}}d_L)$	\mathbf{C}
SedRR_1113	$(ar{e}_L e_R)(ar{d}_L b_R)$	$^{\mathrm{C}}$
SedRR_1131	$(ar{e}_L e_R)(b_{ar{L}} d_R)$	$^{\mathrm{C}}$
SedRR_2213	$(ar{\mu}_L\mu_R)(ar{d}_Lb_R)$	$^{\mathrm{C}}$
SedRR_2231	$(ar{\mu}_L\mu_R)(ar{b}_Ld_R)$	$^{\mathrm{C}}$
SedRR_3313	$(ar au_L au_R)(ar d_L b_R)$	$^{\mathrm{C}}$
SedRR_3331	$(ar au_L au_R)(b_Ld_{ar R})$	\mathbf{C}
TedRR_1113	$(ar{e}_L\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}b_R)$	$^{\mathrm{C}}$
TedRR_1131	$(ar{e}_L\sigma^{\mu u}e_R)(b_{ar{L}}\sigma_{\mu u}d_R)$	\mathbf{C}
TedRR_2213	$(ar{\mu}_L \sigma^{\mu u} \mu_R) (ar{d}_L \sigma_{\mu u} b_R)$	$^{\mathrm{C}}$
TedRR_2231	$(ar{\mu}_L \sigma^{\mu u} \mu_R) (ar{b}_L \sigma_{\mu u} d_R)$	$^{\mathrm{C}}$
TedRR_3313	$(ar{ au}_L\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}b_R)$	$^{\mathrm{C}}$
TedRR_3331	$(ar{ au}_L\sigma^{\mu u} au_R)(ar{b}_L\sigma_{\mu u}d_R)$	$\stackrel{ ext{C}}{ ilde{\sim}}$
S1udRR_1113	$(ar{u}_L u_R)(ar{d}_L b_R)$	$^{\mathrm{C}}$
S1udRR_1131	$(ar{u}_L u_R)(b_L d_R)$	C
S1udRR_2213	$(ar{c}_L c_R)(d_L b_R)$	$^{\mathrm{C}}$

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

sd

WC name	Operator	Type
dgamma_12	$ar{d}_L \sigma^{\mu u} s_R F_{\mu u}$	C
dgamma_21	$ar{s}_L \sigma^{\mu u} d_R F_{\mu u}$	$^{\mathrm{C}}$
dG_12	$ar{d}_L \sigma^{\mu u} T^A s_R G^A_{\mu u}$	\mathbf{C}
dG_21	$ar{s}_L \sigma^{\mu u} T^A d_R G^A_{\mu u}$	$^{\mathrm{C}}$
VedLL_1112	$(ar{e}_L \gamma^\mu e_L) (ar{d}_L \gamma^\mu_\mu s_L)$	$^{\mathrm{C}}$
VedLL_2212	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{d}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
VedLL_3312	$(ar{ au}_L\gamma^\mu au_L)(ar{d}_L\gamma_\mu s_L)$	$^{\mathrm{C}}$
VddLL_1112	$(ar{d}_L \gamma^\mu d_L) (ar{d}_L \gamma_\mu s_L)$	\mathbf{C}

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

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	$(ar{d}_L \gamma^\mu T^A s_L) (ar{b}_R \gamma_\mu T^A b_R)$	$^{\mathrm{C}}$
V8ddLR_1332	$(ar{d}_L \gamma^\mu T^A b_L) (ar{b}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
V8ddLR_2212	$(\bar{s}_L \gamma^\mu T^A s_L) (\bar{d}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
V8ddLR_2331	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A d_R)$	\mathbf{C}
V8ddLR_3312	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{d}_R \gamma_\mu T^A s_R)$	\mathbf{C}
V1udduLR_1121	$(ar{u}_L \gamma^\mu d_L) (ar{s}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
V1udduLR_1211	$(ar{u}_L\gamma^\mu s_L)(ar{d}_R\gamma_\mu u_R)$	$^{\mathrm{C}}$
V1udduLR_2122	$(\bar{c}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V1udduLR_2212	$(ar{c}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V8udduLR_1121	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8udduLR_1211	$(\bar{u}_L \gamma^\mu T^A s_L) (\bar{d}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8udduLR_2122	$(ar{c}_L \gamma^\mu T^A d_L) (ar{s}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V8udduLR_2212	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
SedRL_1112	$(ar{e}_L e_R)(ar{d}_R s_L)$	$^{\mathrm{C}}$
SedRL_1121	$(ar{e}_L e_R)(ar{s}_R d_L)$	$^{\mathrm{C}}$
SedRL_2212	$(ar{\mu}_L \mu_R) (ar{d}_R s_L)$	$^{\mathrm{C}}$
SedRL_2221	$(ar{\mu}_L \mu_R)(ar{s}_R d_L)$	$^{\mathrm{C}}$
SedRL_3312	$(ar{ au}_L au_R)(ar{d}_Rs_L)$	$^{\mathrm{C}}$
SedRL_3321	$(ar{ au}_L au_R)(ar{s}_Rd_L)$	\mathbf{C}
SedRR_1112	$(ar{e}_L e_R)(ar{d}_L s_R)$	$^{\mathrm{C}}$
SedRR_1121	$(ar{e}_L e_R)(ar{s}_L d_R)$	$^{\mathrm{C}}$
SedRR_2212	$(ar{\mu}_L \mu_R) (ar{d}_L s_R)$	$^{\mathrm{C}}$
SedRR_2221	$(ar{\mu}_L \mu_R)(ar{s}_L d_R)$	$^{\mathrm{C}}$
SedRR_3312	$(ar{ au}_L au_R)(ar{d}_Ls_R)$	$^{\mathrm{C}}$
SedRR_3321	$(ar{ au}_L au_R)(ar{s}_Ld_{ar{R}})$	$^{\mathrm{C}}$
TedRR_1112	$(ar{e}_L\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}s_R)$	$^{\mathrm{C}}$
TedRR_1121	$(\bar{e}_L \sigma^{\mu u} e_R)(\bar{s}_{\underline{L}} \sigma_{\mu u} d_R)$	\mathbf{C}
TedRR_2212	$(ar{\mu}_L \sigma^{\mu u} \mu_R) (d_L \sigma_{\mu u} s_R)$	\mathbf{C}
TedRR_2221	$(ar{\mu}_L \sigma^{\mu u} \mu_R) (ar{s}_L \sigma_{\mu u} d_R)$	\mathbf{C}
TedRR_3312	$(ar{ au}_L \sigma^{\mu u} au_R) (ar{d}_L \sigma_{\mu u} s_R)$	$^{\mathrm{C}}$
TedRR_3321	$(ar{ au}_L \sigma^{\mu u} au_{R}) (ar{s}_L \sigma_{\mu u} d_R)$	\mathbf{C}
S1udRR_1112	$(ar{u}_L u_R)(d_L s_R)$	$^{\mathrm{C}}$
S1udRR_1121	$(ar{u}_L u_R)(ar{s}_L d_R)$	\mathbf{C}
S1udRR_2212	$(ar{c}_L c_R)(ar{d}_L s_R)$	\mathbf{C}
S1udRR_2221	$(ar{c}_L c_R)(ar{s}_L d_R)$	$^{\mathrm{C}}$
S8udRR_1112	$(ar{u}_L T^A u_R) (ar{d}_L T^A s_R)$	C
S8udRR_1121	$(\bar{u}_L T^A u_R)(\bar{s}_L T^A d_R)$	$^{\mathrm{C}}$
S8udRR_2212	$(\bar{c}_L T^A c_R)(\bar{d}_L T^A s_R)$	C
S8udRR_2221	$(ar{c}_L T^A c_R) (ar{s}_L T^A d_R)$	$^{\mathrm{C}}$
S1ddRR_1112	$(ar{d_L}d_R)(d_Ls_R)$	$^{\mathrm{C}}$
S1ddRR_1121	$(ar{d}_L d_R)(ar{s}_L d_R)$	$^{\mathrm{C}}$
S1ddRR_1222	$(ar{d}_L s_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
S1ddRR_1233	$(ar{d}_L s_R)(ar{b}_L b_R)$	C
S1ddRR_1332	$(ar{d}_L b_R)(ar{b}_L s_R)$	\mathbf{C}
S1ddRR_2122	$(ar{s}_L d_R)(ar{s}_L s_R)$	C
S1ddRR_2133	$(ar{s}_L d_R)(ar{b}_L b_R)$	$^{\mathrm{C}}$
S1ddRR_2331	$(ar{s}_L b_R)(ar{b}_L d_R)$	$^{\mathrm{C}}$
S8ddRR_1112	$(ar{d}_L T^A d_R) (ar{d}_L T^A s_R)$	$^{\mathrm{C}}$
S8ddRR_1121	$(\bar{d}_L T^A d_R)(\bar{s}_L T^A d_R)$	$^{\mathrm{C}}$
S8ddRR_1222	$(ar{d}_L T^A s_R) (ar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S8ddRR_1233	$(ar{d}_L T^A s_R) (ar{b}_L T^A b_R)$	$^{\mathrm{C}}$
S8ddRR_1332	$(ar{d}_L T^A b_R) (ar{b}_L T^A s_R)$	$^{\mathrm{C}}$
S8ddRR_2122	$(\bar{s}_L T^A d_R)(\bar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S8ddRR_2133	$(\bar{s}_L T^A d_R)(\bar{b}_L T^A b_R)$	$^{\mathrm{C}}$
S8ddRR_2331	$(\bar{s}_L T^A b_R)(\bar{b}_L T^A d_R)$	$^{\mathrm{C}}$
S1udduRR_1121	$(ar{u}_L d_R)(ar{s}_L u_R)$	\mathbf{C}
S1udduRR_1211	$(ar{u}_L s_R)(ar{d}_L u_R)$	\mathbf{C}
S1udduRR_2122	$(ar{c}_L d_R)(ar{s}_L c_R)$	\mathbf{C}
S1udduRR_2212	$(ar{c}_L s_R)(ar{d}_L c_R)$	$^{\mathrm{C}}$
S8udduRR_1121	$(\bar{u}_L T^A d_R)(\bar{s}_L T^A u_R)$	\mathbf{C}
S8udduRR_1211	$(ar{u}_L T^A s_R) (ar{d}_L T^A u_R)$	\mathbf{C}
S8udduRR_2122	$(ar{c}_L T^A d_R) (ar{s}_L T^A c_R)$	\mathbf{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	$ar{u}_L \sigma^{\mu u} c_R F_{\mu u}$	$^{\rm C}$
ugamma_21	$ar{c}_L \sigma^{\mu u} u_R F_{\mu u}$	$^{\mathrm{C}}$
uG_12	$ar{u}_L \sigma^{\mu u} T^A c_R G^A_{\mu u}$	$^{\mathrm{C}}$
uG_21	$ar{c}_L \sigma^{\mu u} T^A u_R G^A_{\mu u}$	$^{\mathrm{C}}$
VeuLL_1112	$(ar{e}_L \gamma^\mu e_L) (ar{u}_L \gamma_\mu c_L)$	$^{\mathrm{C}}$
VeuLL_2212	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{u}_L \dot{\gamma}_\mu c_L)$	$^{\mathrm{C}}$
VeuLL_3312	$(ar au_L\gamma^\mu au_L)(ar u_L\gamma_\mu c_L)$	$^{\mathrm{C}}$
VuuLL_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{u}_L \gamma_\mu c_L)$	$^{\mathrm{C}}$
VuuLL_1222	$(ar{u}_L \gamma^\mu c_L) (ar{c}_L \gamma_\mu c_L)$	$^{\mathrm{C}}$
V1udLL_1211	$(ar{u}_L \gamma^\mu c_L) (ar{d}_L \gamma_\mu d_L)$	$^{\mathrm{C}}$
V1udLL_1222	$(ar{u}_L \gamma^\mu c_L) (ar{s}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
V1udLL_1233	$(ar{u}_L \gamma^\mu c_L) (ar{b}_L \gamma_\mu b_L)$	$^{\mathrm{C}}$
V8udLL_1211	$(ar{u}_L \gamma^\mu T^A c_L) (ar{d}_L \gamma_\mu T^A d_L)$	$^{\mathrm{C}}$
V8udLL_1222	$(ar{u}_L \gamma^\mu T^A c_L) (ar{s}_L \gamma_\mu T^A s_L)$	\mathbf{C}
V8udLL_1233	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{b}_L \gamma_\mu T^A b_L)$	\mathbf{C}
VeuRR_1112	$(ar{e}_R \gamma^\mu e_R) (ar{u}_R \gamma_\mu c_R)$	\mathbf{C}

WC name	Operator	Type
VeuRR_2212	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu c_R)$	C
VeuRR_3312	$(ar{ au}_R\gamma^\mu au_R)(ar{u}_R\gamma_\mu c_R)$	$^{\mathrm{C}}$
- VuuRR_1112	$(ar{u}_R\gamma^\mu u_R)(ar{u}_R\gamma_\mu c_R)$	$^{\mathrm{C}}$
	$(ar{u}_R\gamma^\mu c_R)(ar{c}_R\gamma_\mu c_R)$	$^{\mathrm{C}}$
V1udRR_1211	$(ar{u}_R\gamma^\mu c_R)(ar{d}_R\gamma_\mu d_R)$	$^{\mathrm{C}}$
V1udRR_1222	$(ar{u}_R\gamma^\mu c_R)(ar{s}_R\gamma_\mu s_R)$	$^{\mathrm{C}}$
V1udRR_1233	$(ar{u}_R\gamma^\mu c_R)(ar{b}_R\gamma_\mu b_R)$	$^{\mathrm{C}}$
V8udRR_1211	$(ar{u}_R\gamma^\mu T^A c_R)(ar{d}_R\gamma_\mu T^A d_R)$	$^{\mathrm{C}}$
V8udRR_1222	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{s}_R \gamma_\mu T^A s_R)$	Č
V8udRR_1233	$(\bar{u}_R\gamma^{\mu}T^Ac_R)(\bar{b}_R\gamma_{\mu}T^Ab_R)$	$^{\circ}$ C
VeuLR_1112	$(ar{e}_L\gamma^{\mu}e_L)(ar{u}_R\gamma_{\mu}e_R)$	$\overset{\circ}{ ext{C}}$
VeuLR_2212	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{u}_R\gamma_\mu c_R)$	$\overset{\circ}{\mathrm{C}}$
VeuLR_3312	$(ar{ au}_L\gamma^\mu au_L)(ar{u}_R\gamma_\mu c_R) \ (ar{ au}_L\gamma^\mu au_L)(ar{u}_R\gamma_\mu c_R)$	$\overset{\circ}{\mathrm{C}}$
VueLR_1211	$(ar{u}_L\gamma^\mu c_L)(ar{e}_R\gamma_\mu e_R)$	$\overset{\circ}{\mathrm{C}}$
VueLR_1222	$egin{array}{c} (ar{u}_L \gamma^\mu c_L) (ar{u}_R \gamma_\mu \mu_R) \ (ar{u}_L \gamma^\mu c_L) (ar{\mu}_R \gamma_\mu \mu_R) \end{array}$	$\overset{\circ}{\mathrm{C}}$
VueLR_1233	$egin{array}{l} (ar{u}_L\gamma^\mu c_L)(ar{\mu}_R\gamma_\mu au_R) \ (ar{u}_L\gamma^\mu c_L)(ar{ au}_R\gamma_\mu au_R) \end{array}$	$\overset{\circ}{\mathrm{C}}$
V1uuLR_1112	$(ar{u}_L\gamma^\mu u_L)(ar{u}_R\gamma_\mu r_R) \ (ar{u}_L\gamma^\mu u_L)(ar{u}_R\gamma_\mu c_R)$	$\overset{\circ}{\mathrm{C}}$
V1uuLR_1211	$(ar{u}_L\gamma^\mu c_L)(ar{u}_R\gamma_\mu u_R)$	$\overset{\circ}{\mathrm{C}}$
V1uuLR_1222	$(ar{u}_L\gamma^\mu c_L)(ar{c}_R\gamma_\mu c_R)$	$\overset{\circ}{\mathrm{C}}$
V1uuLR_2212	$(ar{c}_L\gamma^\mu c_L)(ar{u}_R\gamma_\mu c_R)$	Č
V8uuLR_1112	$(ar{u}_L\gamma^\mu T^A u_L)(ar{u}_R\gamma_\mu T^A c_R)$	Č
V8uuLR_1211	$(ar{u}_L\gamma^\mu T^Ac_L)(ar{u}_R\gamma_\mu T^Au_R)$	$^{ m C}$
V8uuLR_1222	$(ar{u}_L\gamma^\mu T^A c_L)(ar{c}_R\gamma_\mu T^A c_R)$	$^{ m C}$
V8uuLR_2212	$(ar{c}_L\gamma^\mu T^Ac_L)(ar{u}_R\gamma_\mu T^Ac_R)$	$^{ m C}$
V1udLR_1211	$(ar{u}_L\gamma^\mu c_L)(ar{d}_R\gamma_\mu d_R)$	\mathbf{C}
V1udLR_1222	$(ar{u}_L\gamma^\mu c_L)(ar{s}_R\gamma_\mu s_R)$	$^{ m C}$
V1udLR_1233	$egin{array}{c} (ar{u}_L \gamma^\mu c_L) (ar{b}_R \gamma_\mu b_R) \ \end{array}$	Č
V8udLR_1211	$egin{aligned} (ar{u}_L\gamma^\mu T^A c_L) (ar{d}_R\gamma_\mu T^A d_R) \end{aligned}$	$\overset{\circ}{\mathrm{C}}$
V8udLR_1222	$(\bar{u}_L\gamma^{\mu}T^Ac_L)(\bar{s}_R\gamma_{\mu}T^As_R)$	$\overset{\circ}{\mathrm{C}}$
V8udLR_1233	$(ar{u}_L\gamma^\mu T^Ac_L)(ar{b}_R\gamma_\mu T^Ab_R)$	$\overset{\circ}{\mathrm{C}}$
V1duLR_1112	$(ar{d}_L\gamma^\mu d_L)(ar{u}_R\gamma_\mu c_R)$	$\overset{\circ}{ ext{C}}$
V1duLR_2212	$egin{array}{l} (ar{u}_L \gamma \ ar{u}_L \gamma (ar{u}_R \gamma_\mu c_R) \ (ar{s}_L \gamma^\mu s_L) (ar{u}_R \gamma_\mu c_R) \end{array}$	$\overset{\circ}{ ext{C}}$
V1duLR_3312	$(ar{b}_L\gamma^\mu b_L)(ar{u}_R\gamma_\mu c_R) \ (ar{b}_L\gamma^\mu b_L)(ar{u}_R\gamma_\mu c_R)$	C
V8duLR_1112	$(ar{d}_L\gamma^{\mu}T^Ad_L)(ar{u}_R\gamma_{\mu}T^Ac_R)$	C
V8duLR_2212	$(ar{a}_L)^{\mu} T^A s_L) (ar{u}_R \gamma_{\mu} T^A c_R) \ (ar{s}_L \gamma^{\mu} T^A s_L) (ar{u}_R \gamma_{\mu} T^A c_R)$	C
V8duLR_3312	$(\bar{b}_L\gamma^\mu T^A b_L)(\bar{u}_R\gamma_\mu T^A c_R) = (\bar{b}_L\gamma^\mu T^A b_L)(\bar{u}_R\gamma_\mu T^A c_R)$	C
V1udduLR_1112	$(ar{v}_L)^{\mu} = (ar{v}_L)^{\mu} (ar{u}_R)^{\mu} = (ar{v}_R)^{\mu} (ar{u}_L)^{\mu} (ar{d}_R)^{\mu} c_R)$	C
V1udduLR_1112 V1udduLR_1222	$egin{array}{l} (u_L\gamma^\mu u_L)(u_R\gamma_\mu c_R) \ (ar u_L\gamma^\mu s_L)(ar s_R\gamma_\mu c_R) \end{array}$	C
-	$egin{aligned} (u_L\gamma^{\epsilon} s_L)(s_R\gamma_{\mu}c_R) \ (ar{u}_L\gamma^{\mu}b_L)(ar{b}_R\gamma_{\mu}c_R) \end{aligned}$	C
V1udduLR_1332		C
V1udduLR_2111	$(\bar{c}_L \gamma^\mu d_L)(\bar{d}_R \gamma_\mu u_R)$	C
V1udduLR_2221	$(\bar{c}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu u_R)$	
V1udduLR_2331	$(\bar{c}_L \gamma^\mu b_L)(\bar{b}_R \gamma_\mu u_R)$	C
V8udduLR_1112	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$

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	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A c_R)$	\mathbf{C}
V8udduLR_2111	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A u_R)$	\mathbf{C}
V8udduLR_2221	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A u_R)$	\mathbf{C}
V8udduLR_2331	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A u_R)$	\mathbf{C}
SeuRL_1112	$(ar{e}_L e_R)(ar{u}_R c_L)$	\mathbf{C}
SeuRL_1121	$(ar{e}_L e_R)(ar{c}_R u_L)$	\mathbf{C}
SeuRL_2212	$(ar{\mu}_L\mu_R)(ar{u}_Rc_L)$	$^{\mathrm{C}}$
SeuRL_2221	$(ar{\mu}_L\mu_R)(ar{c}_Ru_L)$	$^{\mathrm{C}}$
SeuRL_3312	$(ar{ au}_L au_R)(ar{u}_Rc_L)$	$^{\mathrm{C}}$
SeuRL_3321	$(ar{ au}_L au_R)(ar{c}_Ru_L)$	$^{\mathrm{C}}$
SeuRR_1112	$(ar{e}_L e_R)(ar{u}_L c_R)$	$^{\mathrm{C}}$
SeuRR_1121	$(ar{e}_L e_R)(ar{c}_L u_R)$	$^{\mathrm{C}}$
SeuRR_2212	$(ar{\mu}_L\mu_R)(ar{u}_Lc_R)$	$^{\mathrm{C}}$
SeuRR_2221	$(ar{\mu}_L\mu_R)(ar{c}_Lu_R)$	$^{\mathrm{C}}$
SeuRR_3312	$(ar{ au}_L au_R)(ar{u}_Lc_R)$	\mathbf{C}
SeuRR_3321	$(ar{ au}_L au_R)(ar{c}_Lu_R)$	\mathbf{C}
TeuRR_1112	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	$^{\mathrm{C}}$
TeuRR_1121	$(\bar{e}_L \sigma^{\mu u} e_R) (\bar{c}_L \sigma_{\mu u} u_R)$	\mathbf{C}
TeuRR_2212	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	\mathbf{C}
TeuRR_2221	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	\mathbf{C}
TeuRR_3312	$(ar au_L\sigma^{\mu u} au_R)(ar u_L\sigma_{\mu u}c_R)$	\mathbf{C}
TeuRR_3321	$(ar{ au}_L\sigma^{\mu u} au_R)(ar{c}_L\sigma_{\mu u}u_R)$	\mathbf{C}
S1uuRR_1112	$(ar{u}_L u_R)(ar{u}_L c_R)$	\mathbf{C}
S1uuRR_1121	$(ar{u}_L u_R)(ar{c}_L u_R)$	\mathbf{C}
S1uuRR_1222	$(ar{u}_L c_R)(ar{c}_L c_R)$	\mathbf{C}
S1uuRR_2122	$(ar{c}_L u_R)(ar{c}_L c_R)$	\mathbf{C}
S8uuRR_1112	$(\bar{u}_L T^A u_R)(\bar{u}_L T^A c_R)$	\mathbf{C}
S8uuRR_1121	$(\bar{u}_L T^A u_R)(\bar{c}_L T^A u_R)$	\mathbf{C}
S8uuRR_1222	$(\bar{u}_L T^A c_R)(\bar{c}_L T^A c_R)$	\mathbf{C}
S8uuRR_2122	$(ar{c}_L T^A u_{R})(ar{c}_L T^A c_R)$	\mathbf{C}
S1udRR_1211	$(ar{u}_L c_R)(ar{d}_L d_R)$	\mathbf{C}
S1udRR_1222	$(\bar{u}_L c_R)(\bar{s}_L s_R)$	\mathbf{C}
S1udRR_1233	$(ar{u}_L c_R)(ar{b}_L b_R)$	\mathbf{C}
S1udRR_2111	$(ar{c}_L u_R)(ar{d}_L d_R)$	$^{\mathrm{C}}$
S1udRR_2122	$(ar{c}_L u_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
S1udRR_2133	$(ar{c}_L u_R)(ar{b}_L b_R)$	\mathbf{C}
S8udRR_1211	$(\bar{u}_L T^A c_R)(\bar{d}_L T^A d_R)$	$^{\mathrm{C}}$
S8udRR_1222	$(\bar{u}_L T^A c_R)(\bar{s}_L T^A s_R)$	\mathbf{C}
S8udRR_1233	$(ar{u}_L T^A c_R) (ar{b}_L T^A b_R)$	\mathbf{C}
	$(ar{c}_L T^A u_R) (ar{d}_L T^A d_R)$	\mathbf{C}
S8udRR_2122	$(ar{c}_L T^A u_R) (ar{s}_L T^A s_R)$	$\dot{ ext{C}}$
S8udRR_2133	$(ar{c}_L T^A u_R) (ar{b}_L T^A b_R)$	$\dot{ ext{C}}$
	(~L+ ~R)(~L+ ~R)	ε

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

${\tt sbemu}$

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

sbmue

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

WC name	Operator	Type
TedRR_2123	$(ar{\mu}_L \sigma^{\mu u} e_R) (ar{s}_L \sigma_{\mu u} b_R)$	С

${\tt sbetau}$

WC name	Operator	Type
VedLL_1323	$(ar{e}_L\gamma^\mu au_L)(ar{s}_L\gamma_\mu b_L)$	С
VedRR_1323	$(ar{e}_R \gamma^\mu au_R) (ar{s}_R \gamma_\mu b_R)$	\mathbf{C}
VedLR_1323	$(ar{e}_L\gamma^\mu au_L)(ar{s}_R\gamma_\mu b_R)$	\mathbf{C}
VdeLR_2313	$(ar{s}_L \gamma^\mu b_L) (ar{e}_R \gamma_\mu au_R)$	\mathbf{C}
SedRL_1323	$(ar{e}_L au_R)(ar{s}_Rb_L)$	\mathbf{C}
SedRL_3132	$(ar{ au}_L e_R)(ar{b}_R s_L)$	\mathbf{C}
SedRR_1323	$(ar{e}_L au_R)(ar{s}_Lb_R)$	\mathbf{C}
SedRR_3132	$(ar{ au}_L e_R)(ar{b}_L s_R)$	\mathbf{C}
TedRR_1323	$(ar{e}_L\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}b_R)$	\mathbf{C}
TedRR_3132	$(ar{ au}_L\sigma^{\mu u}e_R)(ar{b}_L\sigma_{\mu u}s_R)$	\mathbf{C}

sbtaue

WC name	Operator	Type
VedLL_1332	$(ar{e}_L \gamma^\mu au_L) (ar{b}_L \gamma_\mu s_L)$	$^{\rm C}$
VedRR_1332	$(ar{e}_R \gamma^\mu au_R) (ar{b}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VedLR_1332	$(ar{e}_L \gamma^\mu au_L) (ar{b}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VdeLR_2331	$(ar{s}_L\gamma^\mu b_L)(ar{ au}_R\gamma_\mu e_R)$	$^{\mathrm{C}}$
SedRL_1332	$(ar{e}_L au_R)(ar{b}_Rs_L)$	$^{\mathrm{C}}$
SedRL_3123	$(ar{ au}_L e_R)(ar{s}_R b_L)$	$^{\mathrm{C}}$
SedRR_1332	$(ar{e}_L au_R)(ar{b}_Ls_R)$	$^{\mathrm{C}}$
SedRR_3123	$(ar{ au}_L e_R)(ar{s}_L b_R)$	$^{\mathrm{C}}$
TedRR_1332	$(ar{e}_L \sigma^{\mu u} au_R) (ar{b}_L \sigma_{\mu u} s_R)$	$^{\mathrm{C}}$
TedRR_3123	$(\bar{ au}_L \sigma^{\mu u} e_R)(\bar{s}_L \sigma_{\mu u} b_R)$	C

sbmutau

WC name	Operator	Type
VedLL_2323	$(ar{\mu}_L \gamma^\mu au_L) (ar{s}_L \gamma_\mu b_L)$	C
VedRR_2323	$(ar{\mu}_R \gamma^\mu au_R) (ar{s}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
VedLR_2323	$(ar{\mu}_L \gamma^\mu au_L) (ar{s}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
VdeLR_2323	$(ar{s}_L \gamma^\mu b_L) (ar{\mu}_R \gamma_\mu au_R)$	$^{\mathrm{C}}$
SedRL_2323	$(ar{\mu}_L au_R)(ar{s}_Rb_L)$	$^{\mathrm{C}}$

WC name	Operator	Type
SedRL_3232	$(ar{ au}_L \mu_R)(ar{b}_R s_L)$	С
SedRR_2323	$(ar{\mu}_L au_R)(ar{s}_Lb_R)$	\mathbf{C}
SedRR_3232	$(ar au_L\mu_R)(ar b_Ls_R)$	\mathbf{C}
TedRR_2323	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{s}_L \sigma_{\mu u} b_R)$	\mathbf{C}
TedRR_3232	$(\bar{ au}_L \sigma^{\mu u} \mu_R) (\bar{b}_L \sigma_{\mu u} s_R)$	С

${\tt sbtaumu}$

WC name	Operator	Type
VedLL_2332	$(ar{\mu}_L \gamma^\mu au_L) (ar{b}_L \gamma_\mu s_L)$	C
VedRR_2332	$(ar{\mu}_R \gamma^\mu au_R) (ar{b}_R \gamma_\mu s_R)$	\mathbf{C}
VedLR_2332	$(ar{\mu}_L \gamma^\mu au_L) (ar{b}_R \gamma_\mu s_R)$	\mathbf{C}
VdeLR_2332	$(ar{s}_L \gamma^\mu b_L)(ar{ au}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
SedRL_2332	$(ar{\mu}_L au_R)(ar{b}_Rs_L)$	$^{\mathrm{C}}$
SedRL_3223	$(ar{ au}_L\mu_R)(ar{s}_Rb_L)$	\mathbf{C}
SedRR_2332	$(ar{\mu}_L au_R)(ar{b}_Ls_R)$	$^{\mathrm{C}}$
SedRR_3223	$(ar au_L\mu_R)(ar s_L b_R)$	\mathbf{C}
TedRR_2332	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{b}_L \sigma_{\mu u} s_R)$	\mathbf{C}
TedRR_3223	$(\bar{ au}_L \sigma^{\mu u} \mu_R) (\bar{s}_L \sigma_{\mu u} b_R)$	С

dbemu

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

${\tt dbmue}$

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	$(ar{e}_R \gamma^\mu \mu_R) (ar{b}_R \gamma_\mu d_R)$	C
VedLR_1231	$(ar{e}_L \gamma^\mu \mu_L) (ar{b}_R \gamma_\mu d_R)$	\mathbf{C}
VdeLR_1321	$(ar{d}_L \gamma^\mu b_L) (ar{\mu}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
SedRL_1231	$(ar{e}_L \mu_R) (ar{b}_R d_L)$	$^{\mathrm{C}}$
SedRL_2113	$(ar{\mu}_L e_R)(ar{d}_R b_L)$	$^{\mathrm{C}}$
SedRR_1231	$(ar{e}_L\mu_R)(ar{b}_Ld_R)$	$^{\mathrm{C}}$
SedRR_2113	$(ar{\mu}_L e_R)(ar{d}_L b_R)$	$^{\mathrm{C}}$
TedRR_1231	$(ar{e}_L\sigma^{\mu u}\mu_R)(ar{b}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$
TedRR_2113	$(ar{\mu}_L \sigma^{\mu u} e_R) (ar{d}_L \sigma_{\mu u} b_R)$	C

dbetau

WC name	Operator	Type
VedLL_1313	$(ar{e}_L \gamma^\mu au_L) (ar{d}_L \gamma_\mu b_L)$	C
VedRR_1313	$(ar{e}_R \gamma^\mu au_R) (ar{d}_R \gamma_\mu b_R)$	\mathbf{C}
VedLR_1313	$(ar{e}_L \gamma^\mu au_L) (ar{d}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
VdeLR_1313	$(ar{d}_L \gamma^\mu b_L) (ar{e}_R \gamma_\mu au_R)$	C
SedRL_1313	$(ar{e}_L au_R)(ar{d}_Rb_L)$	$^{\mathrm{C}}$
SedRL_3131	$(ar{ au}_L e_R)(ar{b}_R d_L)$	\mathbf{C}
SedRR_1313	$(ar{e}_L au_R)(ar{d}_Lb_R)$	\mathbf{C}
SedRR_3131	$(ar{ au}_L e_R)(ar{b}_L d_R)$	$^{\mathrm{C}}$
TedRR_1313	$(ar{e}_L\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}b_R)$	\mathbf{C}
TedRR_3131	$(ar{ au}_L\sigma^{\mu u}e_R)(ar{b}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$

${\tt dbtaue}$

WC name	Operator	Type
VedLL_1331	$(ar{e}_L \gamma^\mu au_L) (ar{b}_L \gamma_\mu d_L)$	C
VedRR_1331	$(ar{e}_R \gamma^\mu au_R) (ar{b}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VedLR_1331	$(ar{e}_L \gamma^\mu au_L) (ar{b}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VdeLR_1331	$(ar{d}_L\gamma^\mu b_L)(ar{ au}_R\gamma_\mu e_R)$	$^{\mathrm{C}}$
SedRL_1331	$(ar{e}_L au_R)(ar{b}_Rd_L)$	$^{\mathrm{C}}$
SedRL_3113	$(ar{ au}_L e_R)(ar{d}_R b_L)$	$^{\mathrm{C}}$
SedRR_1331	$(ar{e}_L au_R)(ar{b}_Ld_R)$	$^{\mathrm{C}}$
SedRR_3113	$(ar{ au}_L e_R)(ar{d}_L b_R)$	$^{\mathrm{C}}$
TedRR_1331	$(ar{e}_L\sigma^{\mu u} au_R)(ar{b}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$
TedRR_3113	$(ar{ au}_L \sigma^{\mu u} e_R) (ar{d}_L \sigma_{\mu u} b_R)$	C

${\tt dbmutau}$

WC name	Operator	Type
VedLL_2313	$(\bar{\mu}_L \gamma^\mu au_L)(\bar{d}_L \gamma_\mu b_L)$	C
VedRR_2313	$(ar{\mu}_R \gamma^\mu au_R) (ar{d}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
VedLR_2313	$(ar{\mu}_L \gamma^\mu au_L) (ar{d}_R \gamma_\mu b_R)$	$^{\mathrm{C}}$
VdeLR_1323	$(ar{d}_L \gamma^\mu b_L) (ar{\mu}_R \gamma_\mu au_R)$	$^{\mathrm{C}}$
SedRL_2313	$(ar{\mu}_L au_R)(ar{d}_Rb_L)$	$^{\mathrm{C}}$
SedRL_3231	$(ar{ au}_L \mu_R) (ar{b}_R d_L)$	$^{\mathrm{C}}$
SedRR_2313	$(ar{\mu}_L au_R)(ar{d}_Lb_R)$	$^{\mathrm{C}}$
SedRR_3231	$(ar au_L\mu_R)(ar b_Ld_R)$	$^{\mathrm{C}}$
TedRR_2313	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{d}_L \sigma_{\mu u} b_R)$	$^{\mathrm{C}}$
TedRR_3231	$(ar au_L\sigma^{\mu u}\mu_R)(ar b_L\sigma_{\mu u}d_R)$	С

${\tt dbtaumu}$

WC name	Operator	Type
VedLL_2331	$(ar{\mu}_L \gamma^\mu au_L) (ar{b}_L \gamma_\mu d_L)$	С
VedRR_2331	$(\bar{\mu}_R \gamma^\mu au_R)(\bar{b}_R \gamma_\mu d_R)$	\mathbf{C}
VedLR_2331	$(ar{\mu}_L \gamma^\mu au_L) (ar{b}_R \gamma_\mu d_R)$	\mathbf{C}
VdeLR_1332	$(ar{d}_L \gamma^\mu b_L)(ar{ au}_R \gamma_\mu \mu_R)$	\mathbf{C}
SedRL_2331	$(ar{\mu}_L au_R)(ar{b}_Rd_L)$	\mathbf{C}
SedRL_3213	$(ar{ au}_L \mu_R)(ar{d}_R b_L)$	\mathbf{C}
SedRR_2331	$(ar{\mu}_L au_R)(ar{b}_Ld_R)$	\mathbf{C}
SedRR_3213	$(ar{ au}_L\mu_R)(ar{d}_Lb_R)$	\mathbf{C}
TedRR_2331	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{b}_L \sigma_{\mu u} d_R)$	\mathbf{C}
TedRR_3213	$(ar{ au}_L \sigma^{\mu u} \mu_R) (ar{d}_L \sigma_{\mu u} b_R)$	С

sdemu

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

WC name	Operator	Type
TedRR_2112	$(ar{\mu}_L \sigma^{\mu u} e_R) (ar{d}_L \sigma_{\mu u} s_R)$	С

sdmue

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

sdetau

WC name	Operator	Type
VedLL_1321	$(ar{e}_L \gamma^\mu au_L) (ar{s}_L \gamma_\mu d_L)$	\overline{C}
VedRR_1321	$(ar{e}_R \gamma^\mu au_R) (ar{s}_R \gamma_\mu d_R)$	\mathbf{C}
VedLR_1321	$(ar{e}_L \gamma^\mu au_L) (ar{s}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VdeLR_1231	$(ar{d}_L \gamma^\mu s_L) (ar{ au}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
SedRL_1321	$(ar{e}_L au_R)(ar{s}_Rd_L)$	$^{\mathrm{C}}$
SedRL_3112	$(ar{ au}_L e_R)(ar{d}_R s_L)$	\mathbf{C}
SedRR_1321	$(ar{e}_L au_R)(ar{s}_Ld_R)$	$^{\mathrm{C}}$
SedRR_3112	$(ar{ au}_L e_R)(ar{d}_L s_R)$	\mathbf{C}
TedRR_1321	$(ar{e}_L\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$
TedRR_3112	$(ar{ au}_L\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}s_R)$	$^{\mathrm{C}}$

sdtaue

WC name	Operator	Type
VedLL_1312	$(ar{e}_L \gamma^\mu au_L) (ar{d}_L \gamma_\mu s_L)$	C
VedRR_1312	$(ar{e}_R \gamma^\mu au_R) (ar{d}_R \gamma_\mu s_R)$	C
VedLR_1312	$(ar{e}_L \gamma^\mu au_L) (ar{d}_R \gamma_\mu s_R)$	C
VdeLR_1213	$(ar{d}_L \gamma^\mu s_L) (ar{e}_R \gamma_\mu au_R)$	C
SedRL_1312	$(ar{e}_L au_R)(ar{d}_Rs_L)$	\mathbf{C}

WC name	Operator	Type
SedRL_3121	$(ar{ au}_L e_R)(ar{s}_R d_L)$	C
SedRR_1312	$(ar{e}_L au_R)(ar{d}_Ls_R)$	\mathbf{C}
SedRR_3121	$(ar{ au}_L e_R)(ar{s}_L d_R)$	$^{\mathrm{C}}$
TedRR_1312	$(ar{e}_L\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}s_R)$	\mathbf{C}
TedRR_3121	$(ar{ au}_L\sigma^{\mu u}e_R)(ar{s}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$

${\tt sdmutau}$

WC name	Operator	Type
VedLL_2321	$(\bar{\mu}_L \gamma^\mu au_L)(\bar{s}_L \gamma_\mu d_L)$	\overline{C}
VedRR_2321	$(\bar{\mu}_R \gamma^\mu au_R)(\bar{s}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VedLR_2321	$(ar{\mu}_L \gamma^\mu au_L) (ar{s}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VdeLR_1232	$(ar{d}_L\gamma^\mu s_L)(ar{ au}_R\gamma_\mu\mu_R)$	$^{\mathrm{C}}$
SedRL_2321	$(ar{\mu}_L au_R)(ar{s}_Rd_L)$	$^{\mathrm{C}}$
SedRL_3212	$(ar au_L\mu_R)(ar d_Rs_L)$	$^{\mathrm{C}}$
SedRR_2321	$(ar{\mu}_L au_R)(ar{s}_Ld_R)$	$^{\mathrm{C}}$
SedRR_3212	$(ar au_L\mu_R)(ar d_Ls_R)$	$^{\mathrm{C}}$
TedRR_2321	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{s}_L \sigma_{\mu u} d_R)$	C
TedRR_3212	$(ar{ au}_L\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}s_R)$	$^{\mathrm{C}}$

${\tt sdtaumu}$

WC name	Operator	Type
VedLL_2312	$(ar{\mu}_L \gamma^\mu au_L) (ar{d}_L \gamma_\mu s_L)$	C
VedRR_2312	$(ar{\mu}_R \gamma^\mu au_R) (ar{d}_R \gamma_\mu s_R)$	\mathbf{C}
VedLR_2312	$(ar{\mu}_L \gamma^\mu au_L) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VdeLR_1223	$(ar{d}_L \gamma^\mu s_L) (ar{\mu}_R \gamma_\mu au_R)$	$^{\mathrm{C}}$
SedRL_2312	$(ar{\mu}_L au_R)(ar{d}_Rs_L)$	$^{\mathrm{C}}$
SedRL_3221	$(ar{ au}_L \mu_R)(ar{s}_R d_L)$	$^{\mathrm{C}}$
SedRR_2312	$(ar{\mu}_L au_R)(ar{d}_Ls_R)$	$^{\mathrm{C}}$
SedRR_3221	$(ar au_L\mu_R)(ar s_Ld_R)$	\mathbf{C}
TedRR_2312	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{d}_L \sigma_{\mu u} s_R)$	\mathbf{C}
TedRR_3221	$(\bar{ au}_L \sigma^{\mu u} \mu_R) (\bar{s}_L \sigma_{\mu u} d_R)$	\mathbf{C}

cuemu

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

WC name	Operator	Type
VeuRR_1221	$(ar{e}_R \gamma^\mu \mu_R)(ar{c}_R \gamma_\mu u_R)$	C
VeuLR_1221	$(ar{e}_L \gamma^\mu \mu_L) (ar{c}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
VueLR_1221	$(\bar{u}_L \gamma^\mu c_L)(\bar{\mu}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
SeuRL_1221	$(ar{e}_L\mu_R)(ar{c}_Ru_L)$	$^{\mathrm{C}}$
SeuRL_2112	$(ar{\mu}_L e_R)(ar{u}_R c_L)$	$^{\mathrm{C}}$
SeuRR_1221	$(ar{e}_L\mu_R)(ar{c}_Lu_R)$	$^{\mathrm{C}}$
SeuRR_2112	$(ar{\mu}_L e_R)(ar{u}_L c_R)$	$^{\mathrm{C}}$
TeuRR_1221	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	$^{\mathrm{C}}$
TeuRR_2112	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	$^{\mathrm{C}}$

cumue

WC name	Operator	Type
VeuLL_1212	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_L \gamma_\mu c_L)$	$^{\rm C}$
VeuRR_1212	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu c_R)$	\mathbf{C}
VeuLR_1212	$(ar{e}_L \gamma^\mu \mu_L) (ar{u}_R \gamma_\mu c_R)$	\mathbf{C}
VueLR_1212	$(ar{u}_L \gamma^\mu c_L) (ar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
SeuRL_1212	$(ar{e}_L\mu_R)(ar{u}_Rc_L)$	\mathbf{C}
SeuRL_2121	$(ar{\mu}_L e_R)(ar{c}_R u_L)$	C
SeuRR_1212	$(ar{e}_L\mu_R)(ar{u}_Lc_R)$	$^{\mathrm{C}}$
SeuRR_2121	$(ar{\mu}_L e_R)(ar{c}_L u_R)$	C
TeuRR_1212	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	$^{\mathrm{C}}$
TeuRR_2121	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	$^{\mathrm{C}}$

cuetau

WC name	Operator	Type
VeuLL_1321	$(ar{e}_L\gamma^\mu au_L)(ar{c}_L\gamma_\mu u_L)$	$^{\rm C}$
VeuRR_1321	$(ar{e}_R \gamma^\mu au_R) (ar{c}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
VeuLR_1321	$(ar{e}_L \gamma^\mu au_L) (ar{c}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
VueLR_1231	$(\bar{u}_L \gamma^\mu c_L)(\bar{ au}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
SeuRL_1321	$(ar{e}_L au_R)(ar{c}_Ru_L)$	$^{\mathrm{C}}$
SeuRL_3112	$(ar{ au}_L e_R)(ar{u}_R c_L)$	$^{\mathrm{C}}$
SeuRR_1321	$(ar{e}_L au_R)(ar{c}_Lu_R)$	\mathbf{C}
SeuRR_3112	$(ar{ au}_L e_R)(ar{u}_L c_R)$	$^{\mathrm{C}}$
TeuRR_1321	$(ar{e}_L\sigma^{\mu u} au_R)(ar{c}_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
TeuRR_3112	$(ar{ au}_L\sigma^{\mu u}e_R)(ar{u}_L\sigma_{\mu u}c_R)$	С

cutaue

WC name	Operator	Type
VeuLL_1312	$(\bar{e}_L \gamma^\mu au_L)(\bar{u}_L \gamma_\mu c_L)$	C
VeuRR_1312	$(\bar{e}_R \gamma^\mu au_R)(\bar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
VeuLR_1312	$(ar{e}_L \gamma^\mu au_L) (ar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
VueLR_1213	$(ar{u}_L \gamma^\mu c_L) (ar{e}_R \gamma_\mu au_R)$	$^{\mathrm{C}}$
SeuRL_1312	$(ar{e}_L au_R)(ar{u}_Rc_L)$	$^{\mathrm{C}}$
SeuRL_3121	$(ar{ au}_L e_R)(ar{c}_R u_L)$	$^{\mathrm{C}}$
SeuRR_1312	$(ar{e}_L au_R)(ar{u}_Lc_R)$	$^{\mathrm{C}}$
SeuRR_3121	$(ar{ au}_L e_R)(ar{c}_L u_R)$	$^{\mathrm{C}}$
TeuRR_1312	$(\bar{e}_L \sigma^{\mu u} au_R) (\bar{u}_L \sigma_{\mu u} c_R)$	$^{\mathrm{C}}$
TeuRR_3121	$(ar{ au}_L \sigma^{\mu u} e_R) (ar{c}_L \sigma_{\mu u} u_R)$	С

cumutau

WC name	Operator	Type
VeuLL_2321	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu u_L)$	C
VeuRR_2321	$(\bar{\mu}_R \gamma^\mu au_R)(\bar{c}_R \gamma_\mu u_R)$	\mathbf{C}
VeuLR_2321	$(ar{\mu}_L \gamma^\mu au_L) (ar{c}_R \gamma_\mu u_R)$	\mathbf{C}
VueLR_1232	$(ar{u}_L \gamma^\mu c_L)(ar{ au}_R \gamma_\mu \mu_R)$	\mathbf{C}
SeuRL_2321	$(ar{\mu}_L au_R)(ar{c}_Ru_L)$	$^{\mathrm{C}}$
SeuRL_3212	$(ar{ au}_L \mu_R)(ar{u}_R c_L)$	$^{\mathrm{C}}$
SeuRR_2321	$(ar{\mu}_L au_R)(ar{c}_Lu_R)$	\mathbf{C}
SeuRR_3212	$(ar{ au}_L\mu_R)(ar{u}_Lc_R)$	\mathbf{C}
TeuRR_2321	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{c}_L \sigma_{\mu u} u_R)$	$^{\mathrm{C}}$
TeuRR_3212	$(ar{ au}_L\sigma^{\mu u}\mu_R)(ar{u}_L\sigma_{\mu u}c_R)$	C

cutaumu

WC name	Operator	Type
VeuLL_2312	$(\bar{\mu}_L \gamma^\mu au_L)(\bar{u}_L \gamma_\mu c_L)$	C
VeuRR_2312	$(\bar{\mu}_R \gamma^\mu au_R)(\bar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
VeuLR_2312	$(ar{\mu}_L \gamma^\mu au_L) (ar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
VueLR_1223	$(\bar{u}_L\gamma^\mu c_L)(\bar{\mu}_R\gamma_\mu au_R)$	$^{\mathrm{C}}$
SeuRL_2312	$(ar{\mu}_L au_R)(ar{u}_Rc_L)$	$^{\mathrm{C}}$
SeuRL_3221	$(ar{ au}_L \mu_R)(ar{c}_R u_L)$	$^{\mathrm{C}}$
SeuRR_2312	$(ar{\mu}_L au_R)(ar{u}_Lc_R)$	$^{\mathrm{C}}$
SeuRR_3221	$(ar{ au}_L \mu_R)(ar{c}_L u_R)$	$^{\mathrm{C}}$
TeuRR_2312	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R) (\bar{u}_L \sigma_{\mu\nu} c_R)$	$^{\mathrm{C}}$
TeuRR_3221	$(\bar{\tau}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	$^{\mathrm{C}}$

mutau

WC name	Operator	Type
	$\bar{\mu}_L \sigma^{\mu u} au_R F_{\mu u}$	C
egamma_23 egamma_32	$egin{array}{l} \mu_L \sigma^{\mu u} & \eta_R F_{\mu u} \ ar{ au}_L \sigma^{\mu u} \mu_R F_{\mu u} \end{array}$	C
VeeLL_1123		C
VeeLL_1123 VeeLL_2223	$(\bar{e}_L \gamma^\mu e_L)(\bar{\mu}_L \gamma_\mu au_L)$	C
_	$(\bar{\mu}_L \gamma^{\mu} \mu_L)(\bar{\mu}_L \gamma_{\mu} \tau_L)$	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	$(\bar{ u}_{L2}\gamma^{\mu} u_{L2})(\bar{\mu}_{L}\gamma_{\mu} au_{L})$	C
VnueLL_3323	$(\bar{\nu}_{L3}\gamma^{\mu}\nu_{L3})(\bar{\mu}_{L}\gamma_{\mu}\tau_{L})$	
VeuLL_2311	$(ar{\mu}_L \gamma^\mu au_L)(ar{u}_L \gamma_\mu u_L)$	C
VeuLL_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{c}_L \gamma_\mu c_L)$	С
VedLL_2311	$(ar{\mu}_L \gamma^\mu au_L) (d_L \gamma_\mu d_L)$	С
VedLL_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{s}_L \gamma_\mu s_L)$	C
VedLL_2333	$(ar{\mu}_L \gamma^\mu au_L) (ar{b}_L \gamma_\mu b_L)$	C
VeeRR_1123	$(ar{e}_R\gamma^\mu e_R)(ar{\mu}_R\gamma_\mu au_R)$	$\stackrel{ ext{C}}{\sim}$
VeeRR_2223	$(ar{\mu}_R\gamma^\mu\mu_R)(ar{\mu}_R\gamma_\mu au_R)$	$\stackrel{ ext{C}}{\sim}$
VeeRR_2333	$(ar{\mu}_R\gamma^\mu au_R)(ar{ au}_R\gamma_\mu au_R)$	C
VeuRR_2311	$(ar{\mu}_R\gamma^\mu au_R)(ar{u}_R\gamma_\mu u_R)$	$\stackrel{ ext{C}}{\sim}$
VeuRR_2322	$(ar{\mu}_R \gamma^\mu au_R) (ar{c}_R \gamma_\mu c_R)$	C
VedRR_2311	$(ar{\mu}_R \gamma^\mu au_R) (d_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VedRR_2322	$(ar{\mu}_R \gamma^\mu au_R) (ar{\underline{s}}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VedRR_2333	$(ar{\mu}_R \gamma^\mu au_R) (b_R \gamma_\mu b_R)$	\mathbf{C}
VnueLR_1123	$(\bar{ u}_{L1}\gamma^{\mu} u_{L1})(\bar{\mu}_R\gamma_{\mu} au_R)$	\mathbf{C}
VnueLR_2223	$(ar u_{L2}\gamma^\mu u_{L2})(ar\mu_R\gamma_\mu au_R)$	\mathbf{C}
VnueLR_3323	$(ar u_{L3}\gamma^\mu u_{L3})(ar\mu_R\gamma_\mu au_R)$	\mathbf{C}
VeeLR_1123	$(ar{e}_L \gamma^\mu e_L)(ar{\mu}_R \gamma_\mu au_R)$	\mathbf{C}
VeeLR_1231	$(ar{e}_L \gamma^\mu \mu_L) (ar{ au}_R \gamma_\mu e_R)$	\mathbf{C}
VeeLR_1321	$(ar{e}_L \gamma^\mu au_L) (ar{\mu}_R \gamma_\mu e_R)$	\mathbf{C}
VeeLR_2223	$(ar{\mu}_L \gamma^\mu \mu_L)(ar{\mu}_R \gamma_\mu au_R)$	\mathbf{C}
VeeLR_2311	$(ar{\mu}_L \gamma^\mu au_L) (ar{e}_R \gamma_\mu e_R)$	\mathbf{C}
VeeLR_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{\mu}_R \gamma_\mu \mu_R)$	\mathbf{C}
VeeLR_2333	$(ar{\mu}_L \gamma^\mu au_L) (ar{ au}_R \gamma_\mu au_R)$	\mathbf{C}
VeeLR_3323	$(ar au_L\gamma^\mu au_L)(ar\mu_R\gamma_\mu au_R)$	\mathbf{C}
VeuLR_2311	$(ar{\mu}_L \gamma^\mu au_L) (ar{u}_R \gamma_\mu u_R)$	\mathbf{C}
VeuLR_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{c}_R \gamma_\mu c_R)$	\mathbf{C}
VedLR_2311	$(ar{\mu}_L \gamma^\mu au_L) (ar{d}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VedLR_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VedLR_2333	$(ar{\mu}_L \gamma^\mu au_L) (ar{b}_R \gamma_\mu b_R)$	\mathbf{C}
VueLR_1123	$(\bar{u}_L \gamma^\mu u_L)(\bar{\mu}_R \gamma_\mu au_R)$	\mathbf{C}
- VueLR_2223	$(ar{c}_L\gamma^\mu c_L)(ar{\mu}_R\gamma_\mu au_R)$	\mathbf{C}
- VdeLR_1123	$(ar{d}_L\gamma^\mu d_L)(ar{\mu}_R\gamma_\mu au_R)$	\mathbf{C}
VdeLR_2223	$(ar s_L\gamma^\mu s_L)(ar\mu_R\gamma_\mu au_R)$	\mathbf{C}
VdeLR_3323	$(ar{b}_L\gamma^\mu b_L)(ar{\mu}_R\gamma_\mu au_R)$	$^{\mathrm{C}}$
· · · · · · · · · · · · · · · · · · ·	$\langle D \rangle = D / \langle \Gamma \cdot 10 \rangle \mu \cdot 10 \rangle$	~

WC name	Operator	Type
SeuRL_2311	$(ar{\mu}_L au_R)(ar{u}_Ru_L)$	C
SeuRL_2322	$(ar{\mu}_L au_R)(ar{c}_Rc_L)$	\mathbf{C}
SeuRL_3211	$(ar{ au}_L\mu_R)(ar{u}_Ru_L)$	\mathbf{C}
SeuRL_3222	$(ar{ au}_L\mu_R)(ar{c}_Rc_L)$	$^{\mathrm{C}}$
SedRL_2311	$(ar{\mu}_L au_R)(ar{d}_Rd_L)$	$^{\mathrm{C}}$
SedRL_2322	$(ar{\mu}_L au_R)(ar{s}_Rs_L)$	$^{\mathrm{C}}$
SedRL_2333	$(ar{\mu}_L au_R)(ar{b}_Rb_L)$	$^{\mathrm{C}}$
SedRL_3211	$(ar{ au}_L\mu_R)(ar{d}_Rd_L)$	$^{\mathrm{C}}$
SedRL_3222	$(ar{ au}_L\mu_R)(ar{s}_Rs_L)$	$^{\mathrm{C}}$
SedRL_3233	$(ar au_L\mu_R)(ar b_Rb_L)$	\mathbf{C}
SeeRR_1123	$(ar{e}_L e_R)(ar{\mu}_L au_R)$	$^{\mathrm{C}}$
SeeRR_1132	$(ar{e}_L e_R)(ar{ au}_L \mu_R)$	$^{\mathrm{C}}$
SeeRR_1231	$(ar{e}_L\mu_R)(ar{ au}_Le_R)$	\mathbf{C}
SeeRR_1321	$(ar{e}_L au_R)(ar{\mu}_Le_R)$	\mathbf{C}
SeeRR_2223	$(ar{\mu}_L\mu_R)(ar{\mu}_L au_R)$	\mathbf{C}
SeeRR_2232	$(ar{\mu}_L\mu_R)(ar{ au}_L\mu_R)$	\mathbf{C}
SeeRR_2333	$(ar{\mu}_L au_R)(ar{ au}_L au_R)$	\mathbf{C}
SeeRR_3233	$(ar au_L\mu_R)(ar au_L au_R)$	\mathbf{C}
SeuRR_2311	$(ar{\mu}_L au_R)(ar{u}_Lu_R)$	$^{\mathrm{C}}$
SeuRR_2322	$(ar{\mu}_L au_R)(ar{c}_Lc_R)$	$^{\mathrm{C}}$
SeuRR_3211	$(ar{ au}_L\mu_R)(ar{u}_Lu_R)$	$^{\mathrm{C}}$
SeuRR_3222	$(ar{ au}_L\mu_R)(ar{c}_Lc_R)$	\mathbf{C}
TeuRR_2311	$(\bar{\mu}_L \sigma^{\mu\nu} \tau_R) (\bar{u}_L \sigma_{\mu\nu} u_R)$	$^{\mathrm{C}}$
TeuRR_2322	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{c}_L \sigma_{\mu u} c_R)$	$^{\mathrm{C}}$
TeuRR_3211	$(\bar{ au}_L \sigma^{\mu u} \mu_R) (\bar{u}_L \sigma_{\mu u} u_R)$	$^{\mathrm{C}}$
TeuRR_3222	$(ar{ au}_L\sigma^{\mu u}\mu_{ar{R}})(ar{c}_L\sigma_{\mu u}c_R)$	\mathbf{C}
SedRR_2311	$(ar{\mu}_L au_R)(d_Ld_R)$	$^{\mathrm{C}}$
SedRR_2322	$(ar{\mu}_L au_R)(ar{ar{s}}_Ls_R)$	$^{\mathrm{C}}$
SedRR_2333	$(ar{\mu}_L au_R)(ar{b}_Lb_R)$	C
SedRR_3211	$(ar au_L\mu_R)(ar d_Ld_R)$	\mathbf{C}
SedRR_3222	$(ar{ au}_L\mu_R)(ar{s}_Ls_R)$	\mathbf{C}
SedRR_3233	$(ar au_L\mu_R)(ar b_Lb_R)$	$^{\mathrm{C}}$
TedRR_2311	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{d}_L \sigma_{\mu u} d_R)$	$^{\mathrm{C}}$
TedRR_2322	$(\bar{\mu}_L \sigma^{\mu u} au_R) (\bar{s}_L \sigma_{\mu u} s_R)$	$^{\mathrm{C}}$
TedRR_2333	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{b}_L \sigma_{\mu u} b_R)$	\mathbf{C}
TedRR_3211	$(ar au_L\sigma^{\mu u}\mu_R)(ar d_L\sigma_{\mu u}d_R)$	\mathbf{C}
TedRR_3222	$(ar{ au}_L \sigma^{\mu u} \mu_R) (ar{s}_L \sigma_{\mu u} s_R)$	\mathbf{C}
TedRR_3233	$(ar{ au}_L\sigma^{\mu u}\mu_R)(ar{b}_L\sigma_{\mu u}b_R)$	С

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

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

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WC name	Operator	Type
egamma_13	$ar{e}_L \sigma^{\mu u} au_R F_{\mu u}$	С
egamma_31	$ar{ au}_L \sigma^{\mu u} e_R F_{\mu u}$	С

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

WC name	Operator	Type
SedRL_1311	$(ar{e}_L au_R)(ar{d}_Rd_L)$	C
SedRL_1322	$(ar{e}_L au_R)(ar{s}_Rs_L)$	$^{\mathrm{C}}$
SedRL_1333	$(ar{e}_L au_R)(ar{b}_Rb_L)$	\mathbf{C}
SedRL_3111	$(ar{ au}_L e_R)(ar{d}_R d_L)$	$^{\mathrm{C}}$
SedRL_3122	$(ar{ au}_L e_R)(ar{s}_R s_L)$	$^{\mathrm{C}}$
SedRL_3133	$(ar{ au}_L e_R)(ar{b}_R b_L)$	$^{\mathrm{C}}$
SeeRR_1113	$(ar{e}_L e_R)(ar{e}_L au_R)$	$^{\mathrm{C}}$
SeeRR_1131	$(ar{e}_L e_R)(ar{ au}_L e_R)$	$^{\mathrm{C}}$
SeeRR_1223	$(ar{e}_L\mu_R)(ar{\mu}_L au_R)$	\mathbf{C}
SeeRR_1322	$(ar{e}_L au_R)(ar{\mu}_L\mu_R)$	\mathbf{C}
SeeRR_1333	$(ar{e}_L au_R)(ar{ au}_L au_R)$	\mathbf{C}
SeeRR_2132	$(ar{\mu}_L e_R)(ar{ au}_L \mu_R)$	\mathbf{C}
SeeRR_2231	$(ar{\mu}_L \mu_R)(ar{ au}_L e_R)$	$^{\mathrm{C}}$
SeeRR_3133	$(ar{ au}_L e_R)(ar{ au}_L au_R)$	$^{\mathrm{C}}$
SeuRR_1311	$(ar{e}_L au_R)(ar{u}_Lu_R)$	\mathbf{C}
SeuRR_1322	$(ar{e}_L au_R)(ar{c}_Lc_R)$	\mathbf{C}
SeuRR_3111	$(ar{ au}_L e_R)(ar{u}_L u_R)$	\mathbf{C}
SeuRR_3122	$(ar{ au}_L e_R)(ar{c}_L c_R)$	\mathbf{C}
TeuRR_1311	$(ar{e}_L\sigma^{\mu u} au_R)(ar{u}_L\sigma_{\mu u}u_R)$	C
TeuRR_1322	$(ar{e}_L\sigma^{\mu u} au_R)(ar{c}_L\sigma_{\mu u}c_R)$	C
TeuRR_3111	$(\bar{ au}_L\sigma^{\mu u}e_R)(\bar{u}_L\sigma_{\mu u}u_R)$	C
TeuRR_3122	$(ar{ au}_L\sigma^{\mu u}e_{ar{R}})(ar{c}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
SedRR_1311	$(ar{e}_L au_R)(d_Ld_R)$	$^{\mathrm{C}}$
SedRR_1322	$(ar{e}_L au_R)(ar{s}_Ls_R)$	$^{\mathrm{C}}$
SedRR_1333	$(ar{e}_L au_R)(b_{\! L}b_R)$	\mathbf{C}
SedRR_3111	$(ar{ au}_L e_R)(d_L d_R)$	\mathbf{C}
SedRR_3122	$(ar{ au}_L e_R)(ar{s}_L s_R)$	\mathbf{C}
SedRR_3133	$(ar{ au}_L e_R)(b_L b_{R})$	\mathbf{C}
TedRR_1311	$(ar{e}_L\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}d_R)$	\mathbf{C}
TedRR_1322	$(ar{e}_L\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}s_R)$	\mathbf{C}
TedRR_1333	$(ar{e}_L \sigma^{\mu u} au_R) (ar{b}_L \sigma_{\mu u} b_R)$	$^{\mathrm{C}}$
TedRR_3111	$(ar{ au}_L\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}d_R)$	\mathbf{C}
TedRR_3122	$(ar{ au}_L\sigma^{\mu u}e_R)(ar{s}_L\sigma_{\mu u}s_R)$	$^{\mathrm{C}}$
TedRR_3133	$(ar au_L\sigma^{\mu u}e_R)(ar b_L\sigma_{\mu u}b_R)$	C

tauetaue

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

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

${\tt taumutaumu}$

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

muemue

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

${\tt muemutau}$

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

$\verb"etauemu"$

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

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

tauetaumu

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

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

nunuemu

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

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

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WC name	Operator	Type
VnueLL_1221	$(ar u_{L1}\gamma^\mu u_{L2})(ar\mu_L\gamma_\mu e_L)$	\overline{C}
VnueLR_1221	$(ar u_{L1}\gamma^\mu u_{L2})(ar\mu_R\gamma_\mu e_R)$	$^{\mathrm{C}}$
VnueLL_1321	$(ar u_{L1}\gamma^\mu u_{L3})(ar\mu_L\gamma_\mu e_L)$	$^{\mathrm{C}}$
VnueLR_1321	$(\bar{ u}_{L1}\gamma^{\mu} u_{L3})(\bar{\mu}_R\gamma_{\mu}e_R)$	$^{\mathrm{C}}$
VnueLL_2312	$(ar{ u}_{L2}\gamma^{\mu} u_{L3})(ar{e}_{L}\gamma_{\mu}\mu_{L})$	$^{\mathrm{C}}$
VnueLR_2312	$(ar u_{L2}\gamma^\mu u_{L3})(ar e_R\gamma_\mu\mu_R)$	\mathbf{C}

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WC name	Operator	Type
VnueLL_1232	$(ar u_{L1}\gamma^\mu u_{L2})(ar au_L\gamma_\mu\mu_L)$	С
VnueLR_1232	$(ar{ u}_{L1}\gamma^{\mu} u_{L2})(ar{ au}_R\gamma_{\mu}\mu_R)$	$^{\mathrm{C}}$
VnueLL_1332	$(ar u_{L1}\gamma^\mu u_{L3})(ar au_L\gamma_\mu\mu_L)$	C
VnueLR_1332	$(\bar{ u}_{L1}\gamma^{\mu} u_{L3})(\bar{ au}_R\gamma_{\mu}\mu_R)$	$^{\mathrm{C}}$
VnueLL_2323	$(ar u_{L2}\gamma^\mu u_{L3})(ar\mu_L\gamma_\mu au_L)$	C
VnueLR_2323	$(\bar{ u}_{L2}\gamma^{\mu} u_{L3})(\bar{\mu}_R\gamma_{\mu} au_R)$	C

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WC name	Operator	Type
VnueLL_1223	$(ar u_{L1}\gamma^\mu u_{L2})(ar\mu_L\gamma_\mu au_L)$	С
VnueLR_1223	$(ar u_{L1}\gamma^\mu u_{L2})(ar\mu_R\gamma_\mu au_R)$	$^{\mathrm{C}}$
VnueLL_1323	$(ar u_{L1}\gamma^\mu u_{L3})(ar\mu_L\gamma_\mu au_L)$	$^{\mathrm{C}}$
VnueLR_1323	$(\bar{ u}_{L1}\gamma^{\mu} u_{L3})(\bar{\mu}_R\gamma_{\mu} au_R)$	$^{\mathrm{C}}$
VnueLL_2332	$(\bar{ u}_{L2}\gamma^{\mu} u_{L3})(\bar{ au}_{L}\gamma_{\mu}\mu_{L})$	$^{\mathrm{C}}$
VnueLR_2332	$(ar{ u}_{L2}\gamma^{\mu} u_{L3})(ar{ au}_R\gamma_{\mu}\mu_R)$	$^{\mathrm{C}}$

nunutaue

WC name	Operator	Type
VnueLL_1231	$(\bar{ u}_{L1}\gamma^{\mu} u_{L2})(\bar{ au}_{L}\gamma_{\mu}e_{L})$	
VnueLR_1231	$(ar u_{L1}\gamma^\mu u_{L2})(ar au_R\gamma_\mu e_R)$	\mathbf{C}
VnueLL_1331	$(ar u_{L1}\gamma^\mu u_{L3})(ar au_L\gamma_\mu e_L)$	\mathbf{C}
VnueLR_1331	$(\bar{ u}_{L1}\gamma^{\mu} u_{L3})(\bar{ au}_{R}\gamma_{\mu}e_{R})$	\mathbf{C}
VnueLL_2313	$(ar{ u}_{L2}\gamma^{\mu} u_{L3})(ar{e}_{L}\gamma_{\mu} au_{L})$	\mathbf{C}
VnueLR_2313	$(ar{ u}_{L2}\gamma^{\mu} u_{L3})(ar{e}_R\gamma_{\mu} au_R)$	C

${\tt nunuetau}$

WC name	Operator	Type
VnueLL_1213	$(ar u_{L1}\gamma^\mu u_{L2})(ar e_L\gamma_\mu au_L)$	C
VnueLR_1213	$(ar u_{L1}\gamma^\mu u_{L2})(ar e_R\gamma_\mu au_R)$	$^{\mathrm{C}}$
VnueLL_1313	$(ar u_{L1}\gamma^\mu u_{L3})(ar e_L\gamma_\mu au_L)$	$^{\mathrm{C}}$
VnueLR_1313	$(ar u_{L1}\gamma^\mu u_{L3})(ar e_R\gamma_\mu au_R)$	$^{\mathrm{C}}$
VnueLL_2331	$(ar u_{L2}\gamma^\mu u_{L3})(ar au_L\gamma_\mu e_L)$	$^{\mathrm{C}}$
VnueLR_2331	$(ar{ u}_{L2}\gamma^{\mu} u_{L3})(ar{ au}_{R}\gamma_{\mu}e_{R})$	\mathbf{C}

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WC name	Operator	Туре
egamma_11	$ar{e}_L \sigma^{\mu u} e_R F_{\mu u}$	С
egamma_22	$ar{\mu}_L \sigma^{\mu u} \mu_R \dot{F}_{\mu u}$	$^{\mathrm{C}}$
egamma_33	$ar{ au}_L \sigma^{\mu u} au_R F_{\mu u}$	$^{\mathrm{C}}$
ugamma_11	$\bar{u}_L \sigma^{\mu\nu} u_R F_{\mu\nu}$	$^{\mathrm{C}}$
ugamma_22	$ar{c}_L \sigma^{\mu u} c_R F_{\mu u}$	\mathbf{C}
dgamma_11	$ar{d}_L \sigma^{\mu u} d_R F_{\mu u}$	$^{\mathrm{C}}$
dgamma_22	$ar{s}_L \sigma^{\mu u} s_R F_{\mu u}$	\mathbf{C}
dgamma_33	$ar{b}_L \sigma^{\mu u} b_R F_{\mu u}$	$^{\mathrm{C}}$
uG_11	$ar{u}_L \sigma^{\mu u} T^A u_R G^A_{\mu u}$	\mathbf{C}
uG_22	$ar{c}_L \sigma^{\mu u} T^A c_R G^A_{\mu u}$	$^{\mathrm{C}}$
dG_11	$ar{d}_L \sigma^{\mu u} T^A d_R \dot{G}^A_{\mu u}$	$^{\mathrm{C}}$
dG_22	$egin{aligned} ar{d}_L \sigma^{\mu u} T^A d_R G^A_{\mu u} \ ar{s}_L \sigma^{\mu u} T^A s_R G^A_{\mu u} \end{aligned}$	$^{\mathrm{C}}$
dG_33	$ar{b}_L \sigma^{\mu u} T^A b_R G^A_{\mu u}$	$^{\mathrm{C}}$
G	$f^{ABC}G^{A u}_{\mu}G^{B}_{ u}G^{C}_{ u}$	R
Gtilde	$f^{ABC}\widetilde{G}^{A u}_{\mu}G^{B ho}_{ u}G^{C\mu}_{ u}$	R
VnunuLL_1111	$(ar{ u}_{L1} \gamma^{\mu} ar{ u}_{L1}) (ar{ u}_{L1} \gamma_{\mu}^{\mu} u_{L1})$	${ m R}$
VnunuLL_1122	$(ar u_{L1}\gamma^\mu u_{L1})(ar u_{L2}\gamma_\mu u_{L2})$	R
VnunuLL_1133	$(ar u_{L1}\gamma^\mu u_{L1})(ar u_{L3}\gamma_\mu u_{L3})$	R
VnunuLL_2222	$(ar u_{L2}\gamma^\mu u_{L2})(ar u_{L2}\gamma_\mu u_{L2})$	R
VnunuLL_2233	$(ar u_{L2}\gamma^\mu u_{L2})(ar u_{L3}\gamma_\mu u_{L3})$	R

$\begin{array}{llllllllllllllllllllllllllllllllllll$	WC name	Operator	Type
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnunuLL_3333	$(\bar{\nu}_{L3}\gamma^{\mu}\nu_{L3})(\bar{\nu}_{L3}\gamma_{\mu}\nu_{L3})$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VeeLL_1111	· · · · · · · · · · · · · · · · · · ·	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VeeLL_1122	$(ar{e}_L \gamma^\mu e_L) (ar{\mu}_L \gamma_\mu \mu_L)$	${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VeeLL_1133		${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VeeLL_2222		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VeeLL_2233		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VeeLL_3333		${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$		$(ar u_{L1}\gamma^\mu u_{L1})(ar e_L\gamma_\mu e_L)$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$			R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnueLL_1133	$(ar u_{L1}\gamma^\mu u_{L1})(ar au_L\gamma_\mu au_L)$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnueLL_2211		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnueLL_2222		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$			R
$\begin{array}{llllllllllllllllllllllllllllllllllll$		$(ar u_{L3}\gamma^\mu u_{L3})(ar e_L\gamma_\mu e_L)$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$		$(ar{ u}_{L3}\gamma^{\mu} u_{L3})(ar{\mu}_{L}\gamma_{\mu}\mu_{L})$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$		$(ar{ u}_{L3}\gamma^{\mu} u_{L3})(ar{ au}_{L}\gamma_{\mu} au_{L})$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$		$(ar u_{L1}\gamma^\mu u_{L1})(ar u_L\gamma_\mu u_L)$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnuuLL_1122		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnuuLL_2211	$(ar u_{L2}\gamma^\mu u_{L2})(ar u_L\gamma_\mu u_L)$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$		$(ar u_{L2}\gamma^\mu u_{L2})(ar c_L\gamma_\mu c_L)$	R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnuuLL_3311	$(ar u_{L3}\gamma^\mu u_{L3})(ar u_L\gamma_\mu u_L)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnuuLL_3322	$(ar{ u}_{L3}\gamma^{\mu} u_{L3})(ar{c}_{L}\gamma_{\mu}c_{L})$	${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnudLL_1111	$(ar u_{L1}\gamma^\mu u_{L1})(ar d_L\gamma_\mu d_L)$	${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnudLL_1122	$(ar u_{L1}\gamma^\mu u_{L1})(ar s_L\gamma_\mu s_L)$	${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnudLL_1133	$(ar u_{L1}\gamma^\mu u_{L1})(ar b_L\gamma_\mu b_L)$	${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnudLL_2211		${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnudLL_2222		${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnudLL_2233		${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnudLL_3311		${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnudLL_3322		${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnudLL_3333		${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VeuLL_1111		${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VeuLL_1122		${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$		$(ar{\mu}_L\gamma^\mu\mu_L)(ar{u}_L\gamma_\mu u_L)$	${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_2222		${ m R}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_3311		${ m R}$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_3322		${ m R}$
$\begin{array}{lll} \text{VedLL_1122} & (\bar{e}_L\gamma^\mu e_L)(\bar{s}_L\gamma_\mu s_L) & \text{R} \\ \text{VedLL_1133} & (\bar{e}_L\gamma^\mu e_L)(\bar{b}_L\gamma_\mu b_L) & \text{R} \\ \text{VedLL_2211} & (\bar{\mu}_L\gamma^\mu \mu_L)(\bar{d}_L\gamma_\mu d_L) & \text{R} \\ \text{VedLL_2222} & (\bar{\mu}_L\gamma^\mu \mu_L)(\bar{s}_L\gamma_\mu s_L) & \text{R} \end{array}$	VedLL_1111		${ m R}$
$ \begin{array}{lll} \text{VedLL_1133} & & (\bar{e}_L\gamma^\mu e_L)(\bar{b}_L\gamma_\mu b_L) & & \text{R} \\ \text{VedLL_2211} & & (\bar{\mu}_L\gamma^\mu \mu_L)(\bar{d}_L\gamma_\mu d_L) & & \text{R} \\ \text{VedLL_2222} & & (\bar{\mu}_L\gamma^\mu \mu_L)(\bar{s}_L\gamma_\mu s_L) & & \text{R} \\ \end{array} $	_		R
$ \begin{array}{lll} \text{VedLL_2211} & (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{d}_L \gamma_\mu d_L) & \text{R} \\ \text{VedLL_2222} & (\bar{\mu}_L \gamma^\mu \mu_L) (\bar{s}_L \gamma_\mu s_L) & \text{R} \end{array} $	_		
VedLL_2222 $(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{s}_L \gamma_\mu s_L)$ R	_		
	_		
	_ VedLL_2233	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{b}_L\gamma_\mu b_L)$	R

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

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

WC name	Operator	Туре
VeeLR_1221	$(ar{e}_L\gamma^\mu\mu_L)(ar{\mu}_R\gamma_\mu e_R)$	C
VeeLR_1331	$(ar{e}_L\gamma^\mu au_L)(ar{ au}_R\gamma_\mu e_R)$	C
VeeLR_2211	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{e}_R\gamma_\mu e_R)$	R
VeeLR_2222	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{\mu}_R\gamma_\mu\mu_R)$	R
VeeLR_2233	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{ au}_R\gamma_\mu au_R)$	R
VeeLR_2332	$(ar{\mu}_L \gamma^\mu au_L) (ar{ au}_R \gamma_\mu \mu_R)$	\mathbf{C}
VeeLR_3311	$(ar{ au}_L\gamma^\mu au_L)(ar{e}_R\gamma_\mu e_R)$	R
VeeLR_3322	$(ar au_L\gamma^\mu au_L)(ar\mu_R\gamma_\mu\mu_R)$	R
VeeLR_3333	$(ar{ au}_L \gamma^\mu au_L) (ar{ au}_R \gamma_\mu au_R)$	R
VnuuLR_1111	$(ar u_{L1}\gamma^\mu u_{L1})(ar u_R\gamma_\mu u_R)$	R
VnuuLR_1122	$(ar u_{L1}\gamma^\mu u_{L1})(ar c_R\gamma_\mu c_R)$	R
VnuuLR_2211	$(ar u_{L2}\gamma^\mu u_{L2})(ar u_R\gamma_\mu u_R)$	R
VnuuLR_2222	$(ar u_{L2}\gamma^\mu u_{L2})(ar c_R\gamma_\mu c_R)$	R
VnuuLR_3311	$(ar{ u}_{L3}\gamma^{\mu} u_{L3})(ar{u}_R\gamma_{\mu}u_R)$	R
VnuuLR_3322	$(ar u_{L3}\gamma^\mu u_{L3})(ar c_R\gamma_\mu c_R)$	R
VnudLR_1111	$(ar u_{L1}\gamma^\mu u_{L1})(ar d_R\gamma_\mu d_R)$	R
VnudLR_1122	$(ar u_{L1}\gamma^\mu u_{L1})(ar s_R\gamma_\mu s_R)$	R
VnudLR_1133	$(ar u_{L1}\gamma^\mu u_{L1})(ar b_R\gamma_\mu b_R)$	R
VnudLR_2211	$(ar u_{L2}\gamma^\mu u_{L2})(ar d_R\gamma_\mu d_R)$	R
VnudLR_2222	$(ar u_{L2}\gamma^\mu u_{L2})(ar s_R\gamma_\mu s_R)$	R
VnudLR_2233	$(ar u_{L2}\gamma^\mu u_{L2})(ar b_R\gamma_\mu b_R)$	R
VnudLR_3311	$(ar u_{L3}\gamma^\mu u_{L3})(ar d_R\gamma_\mu d_R)$	R
VnudLR_3322	$(ar u_{L3}\gamma^\mu u_{L3})(ar s_R\gamma_\mu s_R)$	R
VnudLR_3333	$(ar u_{L3}\gamma^\mu u_{L3})(ar b_R\gamma_\mu b_R)$	R
VeuLR_1111	$(ar{e}_L \gamma^\mu e_L)(ar{u}_R \gamma_\mu u_R)$	R
VeuLR_1122	$(ar{e}_L \gamma^\mu e_L)(ar{c}_R \gamma_\mu c_R)$	R
VeuLR_2211	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{u}_R \gamma_\mu u_R)$	R
VeuLR_2222	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{c}_R \gamma_\mu c_R)$	R
VeuLR_3311	$(ar{ au}_L\gamma^\mu au_L)(ar{u}_R\gamma_\mu u_R)$	R
VeuLR_3322	$(ar{ au}_L\gamma^\mu au_L)(ar{c}_R\gamma_\mu c_R)$	R
VedLR_1111	$(ar{e}_L \gamma^\mu e_L) (ar{d}_R \gamma_\mu d_R)$	R
VedLR_1122	$(ar{e}_L \gamma^\mu e_L) (ar{s}_R \gamma_\mu s_R)$	R
VedLR_1133	$(ar{e}_L \gamma^\mu e_L) (ar{b}_R \gamma_\mu b_R)$	R
VedLR_2211	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{d}_R \gamma_\mu d_R)$	R
VedLR_2222	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{s}_R \gamma_\mu s_R)$	R
VedLR_2233	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{b}_R \gamma_\mu b_R)$	R
VedLR_3311	$(ar{ au}_L\gamma^\mu au_L)(ar{d}_R\gamma^{}_\mu d_R)$	R
VedLR_3322	$(ar{ au}_L\gamma^\mu au_L)(ar{s}_R\gamma_\mu s_R)$	R
VedLR_3333	$(ar{ au}_L\gamma^\mu au_L)(ar{b}_R\gamma_\mu b_R)$	R
VueLR_1111	$(ar{u}_L \gamma^\mu u_L) (ar{e}_R \gamma_\mu e_R)$	R
VueLR_1122	$(ar{u}_L \gamma^\mu u_L)(ar{\mu}_R \gamma_\mu \mu_R)$	R
VueLR_1133	$(\bar{u}_L \gamma^\mu u_L)(\bar{ au}_R \gamma_\mu au_R)$	R
VueLR_2211	$(ar{c}_L \gamma^\mu c_L) (ar{e}_R \gamma_\mu e_R)$	${ m R}$

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

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	$(\bar{b}_L \gamma^\mu T^A b_L)(\bar{c}_R \gamma_\mu T^A c_R)$	\mathbf{R}
V1ddLR_1111	$(ar{d}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu d_R)$	${ m R}$
V1ddLR_1122	$(ar{d}_L \gamma^\mu d_L) (ar{s}_R \gamma_\mu s_R)$	R
V1ddLR_1133	$(ar{d}_L \gamma^\mu d_L) (ar{b}_R \gamma_\mu b_R)$	R
V1ddLR_1221	$(ar{d}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu d_R)$	\mathbf{C}
V1ddLR_1331	$(ar{d}_L \gamma^\mu b_L) (ar{b}_R \gamma_\mu d_R)$	\mathbf{C}
V1ddLR_2211	$(ar{s}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu d_R)$	R
V1ddLR_2222	$(ar{s}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu s_R)$	R
V1ddLR_2233	$(ar{s}_L \gamma^\mu s_L) (ar{b}_R \gamma_\mu b_R)$	R
V1ddLR_2332	$(ar{s}_L \gamma^\mu b_L) (ar{b}_R \gamma_\mu s_R)$	\mathbf{C}
V1ddLR_3311	$(ar{b}_L\gamma^\mu b_L)(ar{d}_R\gamma_\mu d_R)$	R
V1ddLR_3322	$(ar{b}_L\gamma^\mu b_L)(ar{s}_R\gamma_\mu s_R)$	R
V1ddLR_3333	$(ar{b}_L\gamma^\mu b_L)(ar{b}_R\gamma_\mu b_R)$	R
V8ddLR_1111	$(ar{d}_L \gamma^\mu T^A d_L) (ar{d}_R \gamma_\mu T^A d_R)$	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	$(ar{d}_L \gamma^\mu T^A s_L) (ar{s}_R \gamma_\mu T^A d_R)$	\mathbf{C}
V8ddLR_1331	$(\bar{d}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A d_R)$	\mathbf{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	$(\bar{s}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
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	$(ar{b}_L \gamma^\mu T^A b_L) (ar{b}_R \gamma_\mu T^A b_R)$	R
V1udduLR_1111	$(ar{u}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_1221	$(ar{u}_L \gamma^\mu s_L)(ar{s}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_1331	$(ar{u}_L \gamma^\mu b_L) (ar{b}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_2112	$(ar{c}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu c_R)$	\mathbf{C}
V1udduLR_2222	$(ar{c}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu c_R)$	С
V1udduLR_2332	$(ar{c}_L \gamma^\mu b_L) (ar{b}_R \gamma_\mu c_R)$	С
V8udduLR_1111	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A u_R)$	С
V8udduLR_1221	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A u_R)$	\mathbf{C}
V8udduLR_1331	$(\bar{u}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A u_R)$	\mathbf{C}
V8udduLR_2112	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A c_R)$	\mathbf{C}
V8udduLR_2222	$(ar{c}_L \gamma^\mu T^A s_L) (ar{s}_R \gamma_\mu T^A c_R)$	С
V8udduLR_2332	$(\bar{c}_L \gamma^\mu T^A b_L)(\bar{b}_R \gamma_\mu T^A c_R)$	С
SeuRL_1111	$(\bar{e}_L e_R)(\bar{u}_R u_L)$	$^{\mathrm{C}}$
SeuRL_1122	$(ar{e}_L e_R)(ar{c}_R c_L)$	$^{\mathrm{C}}$
SeuRL_2211	$(\bar{\mu}_L \mu_R)(\bar{u}_R u_L)$	C
SeuRL_2222	$(ar{\mu}_L\mu_R)(ar{c}_Rc_L)$	$^{\mathrm{C}}$

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$\begin{array}{llllllllllllllllllllllllllllllllllll$	WC name	Operator	Type
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	SeuRL_3311	$(ar{ au}_L au_R)(ar{u}_Ru_L)$	C
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SeuRL_3322	$(ar{ au}_L au_R)(ar{c}_Rc_L)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SedRL_1111	$(ar{e}_L e_R)(ar{d}_R d_L)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SedRL_1122	$(ar{e}_L e_R)(ar{s}_R s_L)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SedRL_1133	_	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SedRL_2211	$(ar{\mu}_L \mu_R)(ar{d}_R d_L)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SedRL_2222		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SedRL_2233	$(ar{\mu}_L \mu_R) (ar{b}_R b_L)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SedRL_3311		\mathbf{C}
$\begin{array}{llllllllllllllllllllllllllllllllllll$	SedRL_3322		\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SedRL_3333		\mathbf{C}
$\begin{array}{llllllllllllllllllllllllllllllllllll$	SeeRR_1111	$(ar{e}_L e_R)(ar{e}_L e_R)$	\mathbf{C}
$\begin{array}{llllllllllllllllllllllllllllllllllll$	SeeRR_1122	$(ar{e}_L e_R)(ar{\mu}_L \mu_R)$	\mathbf{C}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SeeRR_1133		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SeeRR_1221		
$\begin{array}{llllllllllllllllllllllllllllllllllll$	SeeRR_1331	$(ar{e}_L au_R)(ar{ au}_Le_R)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		$(ar{\mu}_L\mu_R)(ar{\mu}_L\mu_R)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SeeRR_2233	$(ar{\mu}_L \mu_R)(ar{ au}_L au_R)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SeeRR_2332	$(ar{\mu}_L au_R)(ar{ au}_L\mu_R)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SeeRR_3333	$(ar{ au}_L au_R)(ar{ au}_L au_R)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SeuRR_1111	$(ar{e}_L e_R)(ar{u}_L u_R)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	$(ar{\mu}_L \mu_R)(ar{u}_L u_R)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	$(\bar{ au}_L \sigma^{\mu u} au_R)(\bar{u}_L \sigma_{\mu u} u_R)$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	, , , , , , , , , , , , , , , , , , , ,	
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
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	SedRR_2233	$(ar{\mu}_L\mu_R)(ar{b}_Lb_R)$	
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_1111 $(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$ C	_		
TedRR_1111 $(\bar{e}_L \sigma^{\mu\nu} e_R)(d_L \sigma_{\mu\nu} d_R)$ C TedRR_1122 $(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$ C			
TedRR_1122 $(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$ C	_	$(ar{e}_L\sigma^{\mu u}e_R)(d_L\sigma_{\mu u}d_R)$	
	TedRR_1122	$(\bar{e}_L \sigma^{\mu u} e_R)(\bar{s}_L \sigma_{\mu u} s_R)$	С

WC name	Operator	Type
TedRR_1133	$(ar{e}_L\sigma^{\mu u}e_R)(ar{b}_L\sigma_{\mu u}b_R)$	С
TedRR_2211	$(ar{\mu}_L \sigma^{\mu u} \mu_R) (ar{d}_L \sigma_{\mu u} d_R)$	$^{\mathrm{C}}$
TedRR_2222	$(ar{\mu}_L \sigma^{\mu u} \mu_R) (ar{s}_L \sigma_{\mu u} s_R)$	\mathbf{C}
TedRR_2233	$(ar{\mu}_L \sigma^{\mu u} \mu_R) (ar{b}_L \sigma_{\mu u} b_R)$	$^{\mathrm{C}}$
TedRR_3311	$(ar{ au}_L \sigma^{\mu u} au_R) (ar{d}_L \sigma_{\mu u} d_R)$	$^{\mathrm{C}}$
TedRR_3322	$(ar{ au}_L\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}s_R)$	$^{\mathrm{C}}$
TedRR_3333	$(ar{ au}_L \sigma^{\mu u} au_R) (ar{b}_L \sigma_{\mu u} b_R)$	$^{\mathrm{C}}$
S1uuRR_1111	$(ar{u}_L u_R)(ar{u}_L u_R)$	$^{\mathrm{C}}$
S1uuRR_1122	$(ar{u}_L u_R)(ar{c}_L c_R)$	$^{\mathrm{C}}$
S1uuRR_1221	$(ar{u}_L c_R)(ar{c}_L u_R)$	$^{\mathrm{C}}$
S1uuRR_2222	$(ar{c}_L c_R)(ar{c}_L c_R)$	C
S8uuRR_1111	$(\bar{u}_L T^A u_R)(\bar{u}_L T^A u_R)$	C
S8uuRR_1122	$(\bar{u}_L T^A u_R)(\bar{c}_L T^A c_R)$	С
S8uuRR_1221	$(\bar{u}_L T^A c_R)(\bar{c}_L T^A u_R)$	С
S8uuRR_2222	$(ar{c}_L T^A c_R)(ar{c}_L T^A c_R)$	С
S1udRR_1111	$(ar{u}_L u_R)(d_L d_R)$	С
S1udRR_1122	$(ar{u}_L u_R)(ar{\underline{s}}_L s_R)$	С
S1udRR_1133	$(ar{u}_L u_R)(ar{b}_L b_R)$	С
S1udRR_2211	$(ar{c}_L c_R) (ar{d}_L d_R)$	C
S1udRR_2222	$(ar{c}_L c_R) (ar{s}_L s_R)$	С
S1udRR_2233	$(ar{c}_L c_R)(b_L b_R)$	С
S8udRR_1111	$(ar{u}_L T^A u_R) (ar{d}_L T^A d_R)$	$^{\mathrm{C}}$
S8udRR_1122	$(\bar{u}_L T^A u_R)(\bar{s}_L T^A s_R)$	\mathbf{C}
S8udRR_1133	$(ar{u}_L T^A u_R) (ar{b}_L T^A b_R)$	\mathbf{C}
S8udRR_2211	$(ar{c}_L T^A c_R) (ar{d}_L T^A d_R)$	$^{\mathrm{C}}$
S8udRR_2222	$(ar{c}_L T^A c_R) (ar{s}_L T^A s_R)$	\mathbf{C}
S8udRR_2233	$(ar{c}_L T^A c_R) (ar{b}_L T^A b_R)$	$^{\mathrm{C}}$
S1ddRR_1111	$(ar{d}_L d_R)(ar{d}_L d_R)$	С
S1ddRR_1122	$(ar{d}_L d_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
S1ddRR_1133	$(ar{d}_L d_R)(ar{b}_L b_R)$	\mathbf{C}
S1ddRR_1221	$(ar{d}_L s_R)(ar{s}_L d_R)$	C
S1ddRR_1331	$(ar{d}_L b_R)(ar{b}_L d_R)$	C
S1ddRR_2222	$(ar{s}_L s_R)(ar{s}_L s_R)$	C
S1ddRR_2233	$(ar{s}_L s_R)(ar{b}_L b_R)$	C
S1ddRR_2332	$(ar{s}_L b_R)(ar{b}_L s_R)$	\mathbf{C}
S1ddRR_3333	$(ar{b}_L b_R)(ar{b}_L b_R)$	\mathbf{C}
S8ddRR_1111	$(ar{d}_L T^A d_R) (ar{d}_L T^A d_R)$	\mathbf{C}
S8ddRR_1122	$(ar{d}_L T^A d_R) (ar{s}_L T^A s_R)$	\mathbf{C}
S8ddRR_1133	$(ar{d}_L T^A d_R) (ar{b}_L T^A b_R)$	\mathbf{C}
S8ddRR_1221	$(ar{d}_L T^A s_R) (ar{s}_L T^A d_R)$	\mathbf{C}
S8ddRR_1331	$(ar{d}_L T^A b_R) (ar{b}_L T^A d_R)$	\mathbf{C}
S8ddRR_2222	$(ar{s}_L T^A s_R) (ar{s}_L T^A s_R)$	\mathbf{C}
S8ddRR_2233	$(ar{s}_L T^A s_R) (ar{b}_L T^A b_R)$	\mathbf{C}
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WC name	Operator	Туре
S8ddRR_2332	$(ar{s}_L T^A b_R) (ar{b}_L T^A s_R)$	$^{\mathrm{C}}$
S8ddRR_3333	$(ar{b}_L T^A b_R) (ar{b}_L T^A b_R)$	\mathbf{C}
S1udduRR_1111	$(ar{u}_L d_R)(ar{d}_L u_R)$	\mathbf{C}
S1udduRR_1221	$(ar{u}_L s_R)(ar{s}_L u_R)$	\mathbf{C}
S1udduRR_1331	$(ar{u}_L b_R)(ar{b}_L u_R)$	\mathbf{C}
S1udduRR_2112	$(ar{c}_L d_R)(ar{d}_L c_R)$	\mathbf{C}
S1udduRR_2222	$(ar{c}_L s_R)(ar{s}_L c_R)$	$^{\mathrm{C}}$
S1udduRR_2332	$(ar{c}_L b_R)(ar{b}_L c_R)$	$^{\mathrm{C}}$
S8udduRR_1111	$(\bar{u}_L T^A d_R)(\bar{d}_L T^A u_R)$	\mathbf{C}
S8udduRR_1221	$(\bar{u}_L T^A s_R)(\bar{s}_L T^A u_R)$	\mathbf{C}
S8udduRR_1331	$(\bar{u}_L T^A b_R)(\bar{b}_L T^A u_R)$	C
S8udduRR_2112	$(ar{c}_L T^A d_R) (ar{d}_L T^A c_R)$	C
S8udduRR_2222	$(\bar{c}_L T^A s_R)(\bar{s}_L T^A c_R)$	C
S8udduRR_2332	$(\bar{c}_L T^A b_R)(\bar{b}_L T^A c_R)$	$^{\mathrm{C}}$
VnueLL_1211	$(ar u_{L1}\gamma^\mu u_{L2})(ar e_L\gamma_\mu e_L)$	\mathbf{C}
VnueLL_1222	$(\bar{ u}_{L1}\gamma^{\mu} u_{L2})(\bar{\mu}_{L}\gamma_{\mu}\mu_{L})$	$^{\mathrm{C}}$
VnueLL_1233	$(ar u_{L1}\gamma^\mu u_{L2})(ar au_L\gamma_\mu au_L)$	\mathbf{C}
VnuuLL_1211	$(\bar{\nu}_{L1}\gamma^{\mu}\nu_{L2})(\bar{u}_L\gamma_{\mu}u_L)$	\mathbf{C}
VnuuLL_1222	$(ar u_{L1}\gamma^\mu u_{L2})(ar c_L\gamma_\mu c_L)$	\mathbf{C}
VnudLL_1211	$(ar u_{L1}\gamma^\mu u_{L2})(d_L\gamma_\mu d_L)$	C
VnudLL_1222	$(ar u_{L1}\gamma^\mu u_{L2})(ar{s}_L\gamma_\mu s_L)$	$^{\mathrm{C}}$
VnudLL_1233	$(ar u_{L1} \gamma^\mu u_{L2}) (b_L \gamma_\mu b_L)$	\mathbf{C}
VnueLR_1211	$(ar u_{L1}\gamma^\mu u_{L2})(ar e_R\gamma_\mu e_R)$	C
VnueLR_1222	$(ar u_{L1}\gamma^\mu u_{L2})(ar\mu_R\gamma_\mu\mu_R)$	C
VnueLR_1233	$(ar u_{L1}\gamma^\mu u_{L2})(ar au_R\gamma_\mu au_R)$	C
VnuuLR_1211	$(ar{ u}_{L1}\gamma^{\mu} u_{L2})(ar{u}_R\gamma_{\mu}u_R)$	C
VnuuLR_1222	$(ar u_{L1}\gamma^\mu u_{L2})(ar c_R\gamma_\mu c_R)$	C
VnudLR_1211	$(ar u_{L1}\gamma^\mu u_{L2})(d_R\gamma_\mu d_R)$	C
VnudLR_1222	$(\bar{ u}_{L1}\gamma^{\mu} u_{L2})(\bar{s}_R\gamma_{\mu}s_R)$	C
VnudLR_1233	$(ar u_{L1}\gamma^\mu u_{L2})(ar b_R\gamma_\mu b_R)$	C
VnueLL_1311	$(ar u_{L1}\gamma^\mu u_{L3})(ar e_L\gamma_\mu e_L)$	C
VnueLL_1322	$(ar{ u}_{L1}\gamma^{\mu} u_{L3})(ar{\mu}_{L}\gamma_{\mu}\mu_{L})$	С
VnueLL_1333	$(ar u_{L1}\gamma^\mu u_{L3})(ar u_L\gamma_\mu au_L)$	С
VnuuLL_1311	$(\bar{\nu}_{L1}\gamma^{\mu}\nu_{L3})(\bar{u}_{L}\gamma_{\mu}u_{L})$	С
VnuuLL_1322	$(ar{ u}_{L1}\gamma^{\mu} u_{L3})(ar{c}_{L}\gamma_{\mu}c_{L})$	С
VnudLL_1311	$(\bar{\nu}_{L1}\gamma^{\mu}\nu_{L3})(d_L\gamma_{\mu}d_L)$	С
VnudLL_1322	$(\bar{ u}_{L1}\gamma^{\mu} u_{L3})(\bar{s}_L\gamma_{\mu}s_L)$	C
VnudLL_1333	$(\bar{ u}_{L1}\gamma^{\mu} u_{L3})(\bar{b}_{L}\gamma_{\mu}b_{L})$	С
VnueLR_1311	$(\bar{\nu}_{L1}\gamma^{\mu}\nu_{L3})(\bar{e}_R\gamma_{\mu}e_R)$	С
VnueLR_1322	$(\bar{\nu}_{L1}\gamma^{\mu}\nu_{L3})(\bar{\mu}_R\gamma_{\mu}\mu_R)$	C C
VnueLR_1333 VnuuLR 1311	$(\bar{\nu}_{L1}\gamma^{\mu}\nu_{L3})(\bar{\tau}_R\gamma_{\mu}\tau_R)$	C
VnuuLR_1311 VnuuLR_1322	$\begin{array}{l} (\bar{\nu}_{L1}\gamma^{\mu}\nu_{L3})(\bar{u}_R\gamma_{\mu}u_R) \\ (\bar{\nu}_{L1}\gamma^{\mu}\nu_{L3})(\bar{c}_R\gamma_{\mu}c_R) \end{array}$	C
VIIUULN_1322	$(\nu_{L1}\gamma, \nu_{L3})(c_R\gamma_{\mu}c_R)$	C

WC name	Operator	Type
VnudLR_1311	$(\bar{ u}_{L1}\gamma^{\mu} u_{L3})(\bar{d}_R\gamma_{\mu}d_R)$	C
VnudLR_1322	$(ar u_{L1}\gamma^\mu u_{L3})(ar s_R\gamma_\mu s_R)$	C
VnudLR_1333	$(ar u_{L1}\gamma^\mu u_{L3})(ar b_R\gamma_\mu b_R)$	\mathbf{C}
VnueLL_2311	$(ar u_{L2}\gamma^\mu u_{L3})(ar e_L\gamma_\mu e_L)$	$^{\mathrm{C}}$
VnueLL_2322	$(ar u_{L2}\gamma^\mu u_{L3})(ar\mu_L\gamma_\mu\mu_L)$	$^{\mathrm{C}}$
VnueLL_2333	$(ar u_{L2}\gamma^\mu u_{L3})(ar au_L\gamma_\mu au_L)$	$^{\mathrm{C}}$
VnuuLL_2311	$(ar u_{L2}\gamma^\mu u_{L3})(ar u_L\gamma_\mu u_L)$	$^{\mathrm{C}}$
VnuuLL_2322	$(ar u_{L2}\gamma^\mu u_{L3})(ar c_L\gamma_\mu c_L)$	$^{\mathrm{C}}$
VnudLL_2311	$(ar u_{L2}\gamma^\mu u_{L3})(ar d_L\gamma_\mu d_L)$	C
VnudLL_2322	$(ar u_{L2}\gamma^\mu u_{L3})(ar s_L\gamma_\mu s_L)$	$^{\mathrm{C}}$
VnudLL_2333	$(ar u_{L2}\gamma^\mu u_{L3})(ar b_L\gamma_\mu b_L)$	$^{\mathrm{C}}$
VnueLR_2311	$(ar{ u}_{L2}\gamma^{\mu} u_{L3})(ar{e}_R\gamma_{\mu}e_R)$	$^{\mathrm{C}}$
VnueLR_2322	$(ar u_{L2}\gamma^\mu u_{L3})(ar\mu_R\gamma_\mu\mu_R)$	$^{\mathrm{C}}$
VnueLR_2333	$(ar u_{L2}\gamma^\mu u_{L3})(ar au_R\gamma_\mu au_R)$	$^{\mathrm{C}}$
VnuuLR_2311	$(\bar{ u}_{L2}\gamma^{\mu} u_{L3})(\bar{u}_R\gamma_{\mu}u_R)$	$^{\mathrm{C}}$
VnuuLR_2322	$(ar u_{L2}\gamma^\mu u_{L3})(ar c_R\gamma_\mu c_R)$	$^{\mathrm{C}}$
VnudLR_2311	$(ar u_{L2}\gamma^\mu u_{L3})(ar d_R\gamma_\mu d_R)$	\mathbf{C}
VnudLR_2322	$(ar u_{L2}\gamma^\mu u_{L3})(ar s_R\gamma_\mu s_R)$	$^{\mathrm{C}}$
VnudLR_2333	$(ar u_{L2}\gamma^\mu u_{L3})(ar b_R\gamma_\mu b_R)$	\mathbf{C}

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

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

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WC name	Operator	Type
VnueduLL_1331	$(\bar{\nu}_{L1}\gamma^{\mu}\tau_L)(\bar{b}_L\gamma_{\mu}u_L)$	C
VnueduLR_1331	$(ar{ u}_{L1}\gamma^{\mu} au_{L})(ar{b}_{R}\gamma_{\mu}u_{R})$	\mathbf{C}
SnueduRL_1331	$(ar{ u}_{L1} au_R)(ar{b}_Ru_L)$	\mathbf{C}
SnueduRR_1331	$(ar u_{L1} au_R)(ar b_L u_R)$	$^{\mathrm{C}}$
TnueduRR_1331	$(ar u_{L1}\sigma^{\mu u} au_R)(ar b_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
VnueduLL_2331	$(ar{ u}_{L2}\gamma^{\mu} au_L)(ar{b}_L\gamma_{\mu}u_L)$	$^{\mathrm{C}}$
VnueduLR_2331	$(ar{ u}_{L2}\gamma^{\mu} au_L)(ar{b}_R\gamma_{\mu}u_R)$	$^{\mathrm{C}}$
SnueduRL_2331	$(ar{ u}_{L2} au_R)(ar{b}_Ru_L)$	$^{\mathrm{C}}$
SnueduRR_2331	$(ar u_{L2} au_R)(ar b_L u_R)$	\mathbf{C}
TnueduRR_2331	$(ar u_{L2}\sigma^{\mu u} au_R)(ar b_L\sigma_{\mu u}u_R)$	\mathbf{C}
VnueduLL_3331	$(ar u_{L3}\gamma^\mu au_L)(ar b_L\gamma_\mu u_L)$	\mathbf{C}
VnueduLR_3331	$(ar{ u}_{L3}\gamma^{\mu} au_{L})(ar{b}_{R}\gamma_{\mu}u_{R})$	\mathbf{C}
SnueduRL_3331	$(ar{ u}_{L3} au_R)(ar{b}_Ru_L)$	\mathbf{C}
SnueduRR_3331	$(ar u_{L3} au_R)(ar b_L u_R)$	\mathbf{C}
TnueduRR_3331	$(ar u_{L3}\sigma^{\mu u} au_R)(ar b_L\sigma_{\mu u}u_R)$	C

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WC name	Operator	Type
VnueduLL_1132	$(ar u_{L1}\gamma^\mu e_L)(ar b_L\gamma_\mu c_L)$	C

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

${\tt cbmunu}$

WC name	Operator	Type
VnueduLL_1232	$(\bar{ u}_{L1}\gamma^{\mu}\mu_{L})(\bar{b}_{L}\gamma_{\mu}c_{L})$	C
VnueduLR_1232	$(ar u_{L1}\gamma^\mu\mu_L)(ar b_R\gamma_\mu c_R)$	\mathbf{C}
SnueduRL_1232	$(ar u_{L1}\mu_R)(ar b_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_1232	$(ar u_{L1}\mu_R)(ar b_L c_R)$	\mathbf{C}
TnueduRR_1232	$(ar u_{L1}\sigma^{\mu u}\mu_R)(ar b_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_2232	$(ar u_{L2}\gamma^\mu\mu_L)(ar b_L\gamma_\mu c_L)$	$^{\mathrm{C}}$
VnueduLR_2232	$(ar{ u}_{L2}\gamma^{\mu}\mu_{L})(ar{b}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
SnueduRL_2232	$(ar{ u}_{L2}\mu_R)(ar{b}_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_2232	$(ar u_{L2}\mu_R)(ar b_L c_R)$	$^{\mathrm{C}}$
TnueduRR_2232	$(\bar{ u}_{L2}\sigma^{\mu u}\mu_R)(\bar{b}_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_3232	$(ar u_{L3}\gamma^\mu\mu_L)(ar b_L\gamma_\mu c_L)$	$^{\mathrm{C}}$
VnueduLR_3232	$(ar{ u}_{L3}\gamma^{\mu}\mu_{L})(ar{b}_{R}\gamma_{\mu}c_{R})$	$^{\mathrm{C}}$
SnueduRL_3232	$(ar u_{L3}\mu_R)(ar b_R c_L)$	\mathbf{C}
SnueduRR_3232	$(ar u_{L3}\mu_R)(ar b_L c_R)$	\mathbf{C}
TnueduRR_3232	$(ar u_{L3}\sigma^{\mu u}\mu_R)(ar b_L\sigma_{\mu u}c_R)$	\mathbf{C}

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WC name	Operator	Type
VnueduLL_1332	$(ar u_{L1}\gamma^\mu au_L)(ar b_L\gamma_\mu c_L)$	С
VnueduLR_1332	$(ar u_{L1}\gamma^\mu au_L)(ar b_R\gamma_\mu c_R)$	\mathbf{C}

WC name	Operator	Type
SnueduRL_1332	$(ar{ u}_{L1} au_R)(ar{b}_Rc_L)$	C
SnueduRR_1332	$(ar u_{L1} au_R)(ar b_L c_R)$	\mathbf{C}
TnueduRR_1332	$(ar u_{L1}\sigma^{\mu u} au_R)(ar b_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_2332	$(ar u_{L2}\gamma^\mu au_L)(ar b_L\gamma_\mu c_L)$	\mathbf{C}
VnueduLR_2332	$(\bar{ u}_{L2}\gamma^{\mu} au_L)(\bar{b}_R\gamma_{\mu}c_R)$	\mathbf{C}
SnueduRL_2332	$(ar u_{L2} au_R)(ar b_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_2332	$(ar u_{L2} au_R)(ar b_L c_R)$	$^{\mathrm{C}}$
TnueduRR_2332	$(ar u_{L2}\sigma^{\mu u} au_R)(ar b_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_3332	$(ar{ u}_{L3}\gamma^{\mu} au_L)(ar{b}_L\gamma_{\mu}c_L)$	\mathbf{C}
VnueduLR_3332	$(\bar{ u}_{L3}\gamma^{\mu} au_L)(\bar{b}_R\gamma_{\mu}c_R)$	\mathbf{C}
SnueduRL_3332	$(ar u_{L3} au_R)(ar b_Rc_L)$	\mathbf{C}
SnueduRR_3332	$(ar u_{L3} au_R)(ar b_L c_R)$	\mathbf{C}
TnueduRR_3332	$(ar{ u}_{L3}\sigma^{\mu u} au_R)(ar{b}_L\sigma_{\mu u}c_R)$	C

usenu

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

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WC name	Operator	Type
VnueduLL_1221	$(\bar{ u}_{L1}\gamma^{\mu}\mu_{L})(\bar{s}_{L}\gamma_{\mu}u_{L})$	C
VnueduLR_1221	$(ar{ u}_{L1}\gamma^{\mu}\mu_L)(ar{s}_R\gamma_{\mu}u_R)$	$^{\mathrm{C}}$
SnueduRL_1221	$(ar{ u}_{L1}\mu_R)(ar{s}_Ru_L)$	$^{\mathrm{C}}$
SnueduRR_1221	$(ar{ u}_{L1}\mu_R)(ar{s}_Lu_R)$	\mathbf{C}

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

${\tt ustaunu}$

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

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

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

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WC name	Operator	Type
VnueduLL_1222	$(\bar{\nu}_{L1}\gamma^{\mu}\mu_L)(\bar{s}_L\gamma_{\mu}c_L)$	C
VnueduLR_1222	$(\bar{ u}_{L1}\gamma^{\mu}\mu_{L})(\bar{s}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
SnueduRL_1222	$(ar{ u}_{L1}\mu_R)(ar{s}_Rc_L)$	\mathbf{C}
SnueduRR_1222	$(\bar{ u}_{L1}\mu_R)(\bar{s}_Lc_R)$	$^{\mathrm{C}}$
TnueduRR_1222	$(\bar{ u}_{L1}\sigma^{\mu u}\mu_R)(\bar{s}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_2222	$(ar{ u}_{L2}\gamma^{\mu}\mu_L)(ar{s}_L\gamma_{\mu}c_L)$	$^{\mathrm{C}}$
VnueduLR_2222	$(\bar{\nu}_{L2}\gamma^{\mu}\mu_L)(\bar{s}_R\gamma_{\mu}c_R)$	$^{\mathrm{C}}$
SnueduRL_2222	$(ar{ u}_{L2}\mu_R)(ar{s}_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_2222	$(ar{ u}_{L2}\mu_R)(ar{s}_Lc_R)$	$^{\mathrm{C}}$
TnueduRR_2222	$(ar u_{L2}\sigma^{\mu u}\mu_R)(ar s_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_3222	$(ar{ u}_{L3}\gamma^{\mu}\mu_L)(ar{s}_L\gamma_{\mu}c_L)$	\mathbf{C}
VnueduLR_3222	$(\bar{ u}_{L3}\gamma^{\mu}\mu_{L})(\bar{s}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
SnueduRL_3222	$(ar{ u}_{L3}\mu_R)(ar{s}_Rc_L)$	\mathbf{C}
SnueduRR_3222	$(ar{ u}_{L3}\mu_R)(ar{s}_Lc_R)$	\mathbf{C}
TnueduRR_3222	$(\bar{ u}_{L3}\sigma^{\mu u}\mu_R)(\bar{s}_L\sigma_{\mu u}c_R)$	\mathbf{C}

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WC name	Operator	Type
VnueduLL_1322	$(ar u_{L1}\gamma^\mu au_L)(ar s_L\gamma_\mu c_L)$	С
VnueduLR_1322	$(ar{ u}_{L1}\gamma^{\mu} au_L)(ar{s}_R\gamma_{\mu}c_R)$	\mathbf{C}
SnueduRL_1322	$(ar{ u}_{L1} au_R)(ar{s}_Rc_L)$	\mathbf{C}
SnueduRR_1322	$(ar{ u}_{L1} au_R)(ar{s}_Lc_R)$	C
TnueduRR_1322	$(ar u_{L1}\sigma^{\mu u} au_R)(ar s_L\sigma_{\mu u}c_R)$	C
VnueduLL_2322	$(ar{ u}_{L2}\gamma^{\mu} au_L)(ar{s}_L\gamma_{\mu}c_L)$	C
VnueduLR_2322	$(ar{ u}_{L2}\gamma^{\mu} au_L)(ar{s}_R\gamma_{\mu}c_R)$	C
SnueduRL_2322	$(ar{ u}_{L2} au_R)(ar{s}_Rc_L)$	\mathbf{C}

WC name	Operator	Type
SnueduRR_2322	$(ar u_{L2} au_R)(ar s_L c_R)$	$^{\rm C}$
TnueduRR_2322	$(ar u_{L2}\sigma^{\mu u} au_R)(ar s_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_3322	$(ar u_{L3}\gamma^\mu au_L)(ar s_L\gamma_\mu c_L)$	\mathbf{C}
VnueduLR_3322	$(\bar{\nu}_{L3}\gamma^{\mu}\tau_L)(\bar{s}_R\gamma_{\mu}c_R)$	\mathbf{C}
SnueduRL_3322	$(ar{ u}_{L3} au_R)(ar{s}_Rc_L)$	\mathbf{C}
SnueduRR_3322	$(ar{ u}_{L3} au_R)(ar{s}_Lc_R)$	\mathbf{C}
TnueduRR_3322	$(ar{ u}_{L3}\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$

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

udmunu

WC name	Operator	Type
VnueduLL_1211	$(\bar{ u}_{L1}\gamma^{\mu}\mu_{L})(\bar{d}_{L}\gamma_{\mu}u_{L})$	C
VnueduLR_1211	$(ar{ u}_{L1}\gamma^{\mu}\mu_{L})(ar{d}_{R}\gamma_{\mu}u_{R})$	$^{\mathrm{C}}$
SnueduRL_1211	$(ar u_{L1}\mu_R)(ar d_R u_L)$	$^{\mathrm{C}}$
SnueduRR_1211	$(ar u_{L1}\mu_R)(ar d_L u_R)$	C
TnueduRR_1211	$(ar u_{L1}\sigma^{\mu u}\mu_R)(ar d_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
VnueduLL_2211	$(ar u_{L2}\gamma^\mu\mu_L)(ar d_L\gamma_\mu u_L)$	$^{\mathrm{C}}$
VnueduLR_2211	$(ar{ u}_{L2}\gamma^{\mu}\mu_L)(ar{d}_R\gamma_{\mu}u_R)$	$^{\mathrm{C}}$
SnueduRL_2211	$(ar{ u}_{L2}\mu_R)(ar{d}_Ru_L)$	\mathbf{C}
SnueduRR_2211	$(ar u_{L2}\mu_R)(ar d_L u_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
TnueduRR_2211	$(ar u_{L2}\sigma^{\mu u}\mu_R)(ar d_L\sigma_{\mu u}u_R)$	C
VnueduLL_3211	$(ar u_{L3}\gamma^\mu\mu_L)(ar d_L\gamma_\mu u_L)$	\mathbf{C}
VnueduLR_3211	$(\bar{ u}_{L3}\gamma^{\mu}\mu_{L})(\bar{d}_{R}\gamma_{\mu}u_{R})$	\mathbf{C}
SnueduRL_3211	$(ar u_{L3}\mu_R)(ar d_R u_L)$	$^{\mathrm{C}}$
SnueduRR_3211	$(ar u_{L3}\mu_R)(ar d_L u_R)$	$^{\mathrm{C}}$
TnueduRR_3211	$(ar u_{L3}\sigma^{\mu u}\mu_R)(ar d_L\sigma_{\mu u}u_R)$	\mathbf{C}

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WC name	Operator	Type
VnueduLL_1311	$(ar u_{L1}\gamma^\mu au_L)(ar d_L\gamma_\mu u_L)$	C
VnueduLR_1311	$(ar u_{L1}\gamma^\mu au_L)(ar d_R\gamma_\mu u_R)$	\mathbf{C}
SnueduRL_1311	$(ar{ u}_{L1} au_R)(ar{d}_Ru_L)$	$^{\mathrm{C}}$
SnueduRR_1311	$(ar u_{L1} au_R)(ar d_L u_R)$	$^{\mathrm{C}}$
TnueduRR_1311	$(ar u_{L1}\sigma^{\mu u} au_R)(ar d_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
VnueduLL_2311	$(ar u_{L2}\gamma^\mu au_L)(ar d_L\gamma_\mu u_L)$	$^{\mathrm{C}}$
VnueduLR_2311	$(ar u_{L2}\gamma^\mu au_L)(ar d_R\gamma_\mu u_R)$	$^{\mathrm{C}}$
SnueduRL_2311	$(ar u_{L2} au_R)(ar d_R u_L)$	\mathbf{C}
SnueduRR_2311	$(ar u_{L2} au_R)(ar d_L u_R)$	\mathbf{C}
TnueduRR_2311	$(ar u_{L2}\sigma^{\mu u} au_R)(ar d_L\sigma_{\mu u}u_R)$	\mathbf{C}
VnueduLL_3311	$(ar{ u}_{L3}\gamma^{\mu} au_L)(ar{d}_L\gamma_{\mu}u_L)$	$^{\mathrm{C}}$
VnueduLR_3311	$(\bar{ u}_{L3}\gamma^{\mu} au_L)(\bar{d}_R\gamma_{\mu}u_R)$	\mathbf{C}
SnueduRL_3311	$(ar u_{L3} au_R)(ar d_Ru_L)$	\mathbf{C}
SnueduRR_3311	$(ar u_{L3} au_R)(ar d_L u_R)$	\mathbf{C}
TnueduRR_3311	$(ar{ u}_{L3}\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}u_R)$	C

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WC name	Operator	Type
VnueduLL_1112	$(\bar{\nu}_{L1}\gamma^{\mu}e_L)(\bar{d}_L\gamma_{\mu}c_L)$	C
VnueduLR_1112	$(ar u_{L1}\gamma^\mu e_L)(ar d_R\gamma_\mu c_R)$	\mathbf{C}
SnueduRL_1112	$(ar u_{L1}e_R)(ar d_Rc_L)$	\mathbf{C}
SnueduRR_1112	$(ar u_{L1}e_R)(ar d_Lc_R)$	\mathbf{C}
TnueduRR_1112	$(ar u_{L1}\sigma^{\mu u}e_R)(ar d_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_2112	$(ar{ u}_{L2}\gamma^{\mu}e_L)(ar{d}_L\gamma_{\mu}c_L)$	\mathbf{C}
VnueduLR_2112	$(ar u_{L2}\gamma^\mu e_L)(ar d_R\gamma_\mu c_R)$	\mathbf{C}
SnueduRL_2112	$(ar u_{L2}e_R)(ar d_Rc_L)$	\mathbf{C}
SnueduRR_2112	$(ar u_{L2}e_R)(ar d_Lc_R)$	\mathbf{C}
TnueduRR_2112	$(ar u_{L2}\sigma^{\mu u}e_R)(ar d_L\sigma_{\mu u}c_R)$	\mathbf{C}

WC name	Operator	Type
VnueduLL_3112	$(ar{ u}_{L3}\gamma^{\mu}e_L)(ar{d}_L\gamma_{\mu}c_L)$	С
VnueduLR_3112	$(ar u_{L3}\gamma^\mu e_L)(ar d_R\gamma_\mu c_R)$	$^{\mathrm{C}}$
SnueduRL_3112	$(ar{ u}_{L3}e_R)(ar{d}_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_3112	$(ar u_{L3}e_R)(ar d_Lc_R)$	$^{\mathrm{C}}$
TnueduRR_3112	$(ar u_{L3}\sigma^{\mu u}e_R)(ar d_L\sigma_{\mu u}c_R)$	С

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WC name	Operator	Type
VnueduLL_1212	$(\bar{\nu}_{L1}\gamma^{\mu}\mu_L)(\bar{d}_L\gamma_{\mu}c_L)$	C
VnueduLR_1212	$(\bar{ u}_{L1}\gamma^{\mu}\mu_{L})(\bar{d}_{R}\gamma_{\mu}c_{R})$	$^{\mathrm{C}}$
SnueduRL_1212	$(ar u_{L1}\mu_R)(ar d_R c_L)$	$^{\mathrm{C}}$
SnueduRR_1212	$(ar u_{L1}\mu_R)(ar d_L c_R)$	$^{\mathrm{C}}$
TnueduRR_1212	$(ar u_{L1}\sigma^{\mu u}\mu_R)(ar d_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_2212	$(ar u_{L2}\gamma^\mu\mu_L)(ar d_L\gamma_\mu c_L)$	$^{\mathrm{C}}$
VnueduLR_2212	$(ar u_{L2}\gamma^\mu\mu_L)(ar d_R\gamma_\mu c_R)$	$^{\mathrm{C}}$
SnueduRL_2212	$(ar u_{L2}\mu_R)(ar d_R c_L)$	$^{\mathrm{C}}$
SnueduRR_2212	$(ar u_{L2}\mu_R)(ar d_L c_R)$	$^{\mathrm{C}}$
TnueduRR_2212	$(\bar{ u}_{L2}\sigma^{\mu u}\mu_R)(\bar{d}_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_3212	$(ar u_{L3}\gamma^\mu\mu_L)(ar d_L\gamma_\mu c_L)$	\mathbf{C}
VnueduLR_3212	$(\bar{ u}_{L3}\gamma^{\mu}\mu_{L})(\bar{d}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
SnueduRL_3212	$(ar{ u}_{L3}\mu_R)(ar{d}_Rc_L)$	\mathbf{C}
SnueduRR_3212	$(ar u_{L3}\mu_R)(ar d_L c_R)$	\mathbf{C}
TnueduRR_3212	$(ar{ u}_{L3}\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}c_R)$	C

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WC name	Operator	Type
VnueduLL_1312	$(ar u_{L1}\gamma^\mu au_L)(ar d_L\gamma_\mu c_L)$	C
VnueduLR_1312	$(\bar{ u}_{L1}\gamma^{\mu} au_{L})(\bar{d}_{R}\gamma_{\mu}c_{R})$	$^{\mathrm{C}}$
SnueduRL_1312	$(ar u_{L1} au_R)(ar d_R c_L)$	$^{\mathrm{C}}$
SnueduRR_1312	$(ar u_{L1} au_R)(ar d_L c_R)$	\mathbf{C}
TnueduRR_1312	$(ar u_{L1}\sigma^{\mu u} au_R)(ar d_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_2312	$(ar u_{L2}\gamma^\mu au_L)(ar d_L\gamma_\mu c_L)$	\mathbf{C}
VnueduLR_2312	$(\bar{ u}_{L2}\gamma^{\mu} au_{L})(\bar{d}_{R}\gamma_{\mu}c_{R})$	$^{\mathrm{C}}$
SnueduRL_2312	$(ar u_{L2} au_R)(ar d_R c_L)$	$^{\mathrm{C}}$
SnueduRR_2312	$(ar u_{L2} au_R)(ar d_L c_R)$	$^{\mathrm{C}}$
TnueduRR_2312	$(ar u_{L2}\sigma^{\mu u} au_R)(ar d_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_3312	$(ar u_{L3}\gamma^\mu au_L)(\dot{ar d}_L\gamma_\mu c_L)$	\mathbf{C}

WC name	Operator	Type
VnueduLR_3312	$(ar{ u}_{L3}\gamma^{\mu} au_{L})(ar{d}_{R}\gamma_{\mu}c_{R})$	C
SnueduRL_3312	$(ar{ u}_{L3} au_R)(ar{d}_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_3312	$(ar u_{L3} au_R)(ar d_L c_R)$	C
TnueduRR_3312	$(ar{ u}_{L3}\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$

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

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

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

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

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WC name	Operator	Type
VnuuLL_1112	$(\bar{ u}_{L1}\gamma^{\mu} u_{L1})(\bar{u}_{L}\gamma_{\mu}c_{L})$	C
VnuuLL_2212	$(ar u_{L2}\gamma^\mu u_{L2})(ar u_L\gamma_\mu c_L)$	$^{\mathrm{C}}$
VnuuLL_3312	$(ar u_{L3}\gamma^\mu u_{L3})(ar u_L\gamma_\mu c_L)$	$^{\mathrm{C}}$
VnuuLR_1112	$(ar u_{L1}\gamma^\mu u_{L1})(ar u_R\gamma_\mu c_R)$	$^{\mathrm{C}}$
VnuuLR_2212	$(\bar{ u}_{L2}\gamma^{\mu} u_{L2})(\bar{u}_R\gamma_{\mu}c_R)$	$^{\mathrm{C}}$
VnuuLR_3312	$(\bar{ u}_{L3}\gamma^{\mu} u_{L3})(\bar{u}_R\gamma_{\mu}c_R)$	$^{\mathrm{C}}$

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