Basis JMS (EFT WET-3)

Variant of the basis suggested by Jenkins, Manohar, and Stoffer (arXiv:1709.04486) with only three dynamical quark flavors.

Sectors

The effective Lagrangian is defined as

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

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WC name	Operator	Type
VddLL_1212	$(\bar{d}_L \gamma^\mu s_L)(\bar{d}_L \gamma_\mu s_L)$	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}
S1ddRR_1212	$(ar{d}_L s_R)(ar{d}_L s_R)$	\mathbf{C}
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}

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WC name	Operator	Type
dgamma_12	$\bar{d}_L \sigma^{\mu \nu} s_R F_{\mu \nu}$	
dgamma_21	$ar{s}_L \sigma^{\mu u} d_R \dot{F}_{\mu u}$	$^{\mathrm{C}}$
dG_12	$ar{d}_L \sigma^{\mu u} T^A s_R G^A_{\mu u}$	$^{\mathrm{C}}$
dG_21	$ar{s}_L \sigma^{\mu u} T^A d_R G^A_{\mu u}$	$^{\mathrm{C}}$
VedLL_1112	$(ar{e}_L \gamma^\mu e_L) (ar{d}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
VedLL_2212	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{d}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
VddLL_1112	$(ar{d}_L\gamma^\mu d_L)(ar{d}_L\gamma_\mu s_L)$	$^{\mathrm{C}}$
VddLL_1222	$(ar{d}_L \gamma^\mu s_L) (ar{s}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
V1udLL_1112	$(ar{u}_L \gamma^\mu u_L) (ar{d}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
V8udLL_1112	$(ar{u}_L \gamma^\mu T^A u_L) (ar{d}_L \gamma_\mu T^A s_L)$	$^{\mathrm{C}}$
VedRR_1112	$(ar{e}_R \gamma^\mu e_R) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VedRR_2212	$(ar{\mu}_R \gamma^\mu \mu_R) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VddRR_1112	$(ar{d}_R \gamma^\mu d_R) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VddRR_1222	$(ar{d}_R \gamma^\mu s_R) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
V1udRR_1112	$(ar{u}_R \gamma^\mu u_R) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
V8udRR_1112	$(\bar{u}_R \gamma^\mu T^A u_R)(\bar{d}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
VedLR_1112	$(\bar{e}_L \gamma^\mu e_L)(\bar{d}_R \gamma_\mu s_R)$	C
VedLR_2212	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{d}_R\gamma_\mu s_R)$	$^{\mathrm{C}}$
- VdeLR_1211	$(\bar{d}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
VdeLR_1222	$(ar{d}_L\gamma^\mu s_L)(ar{\mu}_R\gamma_\mu\mu_R)$	$^{\mathrm{C}}$
V1udLR_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
V8udLR_1112	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
V1duLR_1211	$(ar{d}_L\gamma^\mu s_L)(ar{u}_R\gamma_\mu u_R)$	\mathbf{C}
V8duLR_1211	$(ar{d}_L \gamma^\mu T^A s_L) (ar{u}_R \gamma_\mu T^A u_R)$	\mathbf{C}
V1ddLR_1112	$(ar{d}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu s_R)$	\mathbf{C}
V1ddLR_1211	$(ar{d}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu d_R)$	\mathbf{C}
V1ddLR_1222	$(ar{d}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu s_R)$	\mathbf{C}
V1ddLR_2212	$(ar{s}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu s_R)$	\mathbf{C}
V8ddLR_1112	$(\bar{d}_L \gamma^\mu T^A d_L) (\bar{d}_R \gamma_\mu T^A s_R)$	\mathbf{C}
V8ddLR_1211	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A d_R)$	\mathbf{C}
V8ddLR_1222	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A s_R)$	\mathbf{C}
V8ddLR_2212	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A s_R)$	\mathbf{C}
V1udduLR_1121	$(\bar{u}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_1211	$(ar{u}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu u_R)$	\mathbf{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	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
SedRL_1112	$(ar{e}_L e_R)(ar{d}_R s_L)$	$^{\mathrm{C}}$
SedRL_1121	$(ar{e}_L e_R)(ar{s}_R d_L)$	\mathbf{C}
SedRL_2212	$(ar{\mu}_L \mu_R)(ar{d}_R s_L)$	$^{\mathrm{C}}$
SedRL_2221	$(ar{\mu}_L \mu_R)(ar{s}_R d_L)$	$^{\mathrm{C}}$
SedRR_1112	$(ar{e}_L e_R)(ar{d}_L s_R)$	\mathbf{C}
SedRR_1121	$(ar{e}_L e_R)(ar{s}_L d_R)$	\mathbf{C}
SedRR_2212	$(ar{\mu}_L\mu_R)(ar{d}_Ls_R)$	$^{\mathrm{C}}$
SedRR_2221	$(ar{\mu}_L \mu_R) (ar{s}_L d_{ar{R}})$	$^{\mathrm{C}}$
TedRR_1112	$(ar{e}_L\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}s_R)$	$^{\mathrm{C}}$
TedRR_1121	$(\bar{e}_L \sigma^{\mu u} e_R) (\bar{s}_{\underline{L}} \sigma_{\mu u} d_R)$	С
TedRR_2212	$(\bar{\mu}_L \sigma^{\mu u} \mu_R) (d_L \sigma_{\mu u} s_R)$	C
TedRR_2221	$(\bar{\mu}_L \sigma^{\mu u} \mu_R) (\bar{s}_L \sigma_{\mu u} d_R)$	С
S1udRR_1112	$(\bar{u}_L u_R)(d_L s_R)$	C
S1udRR_1121	$(ar{u}_L u_R)(ar{s}_L d_R)$	C
S8udRR_1112	$(\bar{u}_L T^A u_R)(\bar{d}_L T^A s_R)$	C
S8udRR_1121	$(ar{u}_L T^A u_R) (ar{s}_L T^A d_R)$	C
S1ddRR_1112	$(d_L d_R)(d_L s_R)$	C
S1ddRR_1121	$(d_L d_R)(ar{s}_L d_R)$	C
S1ddRR_1222	$(ar{d}_L s_R)(ar{s}_L s_R)$	C
S1ddRR_2122	$(\bar{s}_L d_R)(\bar{s}_L s_R)$	C
S8ddRR_1112	$(ar{d}_L T^A d_R) (ar{d}_L T^A s_R)$	C
S8ddRR_1121	$(ar{d}_L T^A d_R) (ar{s}_L T^A d_R)$	С

WC name	Operator	Type
S8ddRR_1222	$(\bar{d}_L T^A s_R)(\bar{s}_L T^A s_R)$	C
S8ddRR_2122	$(\bar{s}_L T^A d_R)(\bar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S1udduRR_1121	$(ar{u}_L d_R)(ar{s}_L u_R)$	$^{\mathrm{C}}$
S1udduRR_1211	$(ar{u}_L s_R)(ar{d}_L u_R)$	$^{\mathrm{C}}$
S8udduRR_1121	$(\bar{u}_L T^A d_R)(\bar{s}_L T^A u_R)$	$^{\mathrm{C}}$
S8udduRR_1211	$(\bar{u}_L T^A s_R)(\bar{d}_L T^A u_R)$	C

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WC name	Operator	Type
VedLL_1221	$(ar{e}_L \gamma^\mu \mu_L) (ar{s}_L \gamma_\mu d_L)$	С
VedRR_1221	$(ar{e}_R\gamma^\mu\mu_R)(ar{s}_R\gamma_\mu d_R)$	\mathbf{C}
VedLR_1221	$(ar{e}_L \gamma^\mu \mu_L) (ar{s}_R \gamma_\mu d_R)$	\mathbf{C}
VdeLR_1221	$(ar{d}_L \gamma^\mu s_L) (ar{\mu}_R \gamma_\mu e_R)$	\mathbf{C}
SedRL_1221	$(ar{e}_L \mu_R) (ar{s}_R d_L)$	$^{\mathrm{C}}$
SedRL_2112	$(ar{\mu}_L e_R)(ar{d}_R s_L)$	\mathbf{C}
SedRR_1221	$(ar{e}_L\mu_R)(ar{s}_Ld_R)$	$^{\mathrm{C}}$
SedRR_2112	$(ar{\mu}_L e_R)(ar{d}_L s_R)$	\mathbf{C}
TedRR_1221	$(ar{e}_L\sigma^{\mu u}\mu_R)(ar{s}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$
TedRR_2112	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{d}_L \sigma_{\mu\nu} s_R)$	\mathbf{C}

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

${\tt mue}$

WC name	Operator	Type
egamma_12	$\bar{e}_L \sigma^{\mu \nu} \mu_R F_{\mu \nu}$	

WC name	Operator	Type
egamma_21	$\bar{\mu}_L \sigma^{\mu\nu} e_R F_{\mu\nu}$	C
VeeLL_1112	$(ar{e}_L \gamma^\mu e_L) (ar{e}_L \gamma_\mu \mu_L)$	$^{\mathrm{C}}$
VeeLL_1222	$(ar{e}_L \gamma^\mu \mu_L)(ar{\mu}_L \gamma_\mu \mu_L)$	$^{\mathrm{C}}$
VeuLL_1211	$(ar{e}_L \gamma^\mu \mu_L) (ar{u}_L \gamma_\mu u_L)$	$^{\mathrm{C}}$
VedLL_1211	$(ar{e}_L \gamma^\mu \mu_L) (ar{d}_L \gamma_\mu d_L)$	$^{\mathrm{C}}$
VedLL_1222	$(ar{e}_L \gamma^\mu \mu_L) (ar{s}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
VeeRR_1112	$(ar{e}_R \gamma^\mu e_R) (ar{e}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VeeRR_1222	$(ar{e}_R \gamma^\mu \mu_R) (ar{\mu}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VeuRR_1211	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
VedRR_1211	$(ar{e}_R \gamma^\mu \mu_R) (ar{d}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VedRR_1222	$(ar{e}_R \gamma^\mu \mu_R) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
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	$(ar{e}_L \gamma^\mu \mu_L)(ar{\mu}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VeeLR_2212	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{e}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VeuLR_1211	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_R \gamma_\mu u_R)$	\mathbf{C}
VedLR_1211	$(ar{e}_L \gamma^\mu \mu_L) (ar{d}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
VedLR_1222	$(ar{e}_L \gamma^\mu \mu_L) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VueLR_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{e}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VdeLR_1112	$(ar{d}_L \gamma^\mu d_L) (ar{e}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VdeLR_2212	$(ar{s}_L \gamma^\mu s_L) (ar{e}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
SeuRL_1211	$(ar{e}_L\mu_R)(ar{u}_Ru_L)$	$^{\mathrm{C}}$
SeuRL_2111	$(ar{\mu}_L e_R)(ar{u}_R u_L)$	$^{\mathrm{C}}$
SedRL_1211	$(ar{e}_L \mu_R) (ar{d}_R d_L)$	$^{\mathrm{C}}$
SedRL_1222	$(ar{e}_L\mu_R)(ar{s}_Rs_L)$	$^{\mathrm{C}}$
SedRL_2111	$(ar{\mu}_L e_R)(ar{d}_R d_L)$	$^{\mathrm{C}}$
SedRL_2122	$(ar{\mu}_L e_R)(ar{s}_R s_L)$	$^{\mathrm{C}}$
SeeRR_1112	$(ar{e}_L e_R)(ar{e}_L \mu_R)$	$^{\mathrm{C}}$
SeeRR_1121	$(ar{e}_L e_R)(ar{\mu}_L e_R)$	$^{\mathrm{C}}$
SeeRR_1222	$(ar{e}_L\mu_R)(ar{\mu}_L\mu_R)$	$^{\mathrm{C}}$
SeeRR_2122	$(ar{\mu}_L e_R)(ar{\mu}_L \mu_R)$	$^{\mathrm{C}}$
SeuRR_1211	$(ar{e}_L\mu_R)(ar{u}_Lu_R)$	$^{\mathrm{C}}$
SeuRR_2111	$(ar{\mu}_L e_R)(ar{u}_L u_R)$	$^{\mathrm{C}}$
TeuRR_1211	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	$^{\mathrm{C}}$
TeuRR_2111	$(ar{\mu}_L \sigma^{\mu u} e_{R}) (ar{u}_L \sigma_{\mu u} u_R)$	$^{\mathrm{C}}$
SedRR_1211	$(ar{e}_L \mu_R)(d_L d_R)$	$^{\mathrm{C}}$
SedRR_1222	$(ar{e}_L\mu_R)(ar{s}_Ls_R)$	$^{\mathrm{C}}$
SedRR_2111	$(ar{\mu}_L e_R)(ar{d}_L d_R)$	$^{\mathrm{C}}$
SedRR_2122	$(ar{\mu}_L e_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
TedRR_1211	$(ar{e}_L\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$
TedRR_1222	$(ar{e}_L\sigma^{\mu u}\mu_R)(ar{s}_L\sigma_{\mu u}s_R)$	$^{\mathrm{C}}$
TedRR_2111	$(ar{\mu}_L \sigma^{\mu u} e_R) (ar{d}_L \sigma_{\mu u} d_R)$	\mathbf{C}
TedRR_2122	$(ar{\mu}_L \sigma^{\mu u} e_R) (ar{s}_L \sigma_{\mu u} s_R)$	$^{\mathrm{C}}$

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Operator	Type
$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_L \gamma_\mu \mu_L)$	C
$(\bar{e}_R \gamma^\mu \mu_R)(\bar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
$(\bar{e}_L \mu_R)(\bar{e}_L \mu_R)$	\mathbf{C}
$(\bar{\mu}_L e_R)(\bar{\mu}_L e_R)$	\mathbf{C}
	$\begin{array}{c} (\bar{e}_L\gamma^\mu\mu_L)(\bar{e}_L\gamma_\mu\mu_L) \\ (\bar{e}_R\gamma^\mu\mu_R)(\bar{e}_R\gamma_\mu\mu_R) \\ (\bar{e}_L\gamma^\mu\mu_L)(\bar{e}_R\gamma_\mu\mu_R) \\ (\bar{e}_L\mu_R)(\bar{e}_L\mu_R) \end{array}$

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WC name	Operator	Type
VnunuLL_1111	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{eL})(\bar{\nu}_{eL}\gamma_{\mu}\nu_{eL})$	R
VnunuLL_1122	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{ u}_{\mu L}\gamma_{\mu} u_{\mu L})$	${ m R}$
VnunuLL_1133	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{ u}_{ au L}\gamma_{\mu} u_{ au L})$	${ m R}$
VnunuLL_2222	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{ u}_{\mu L} \gamma_{\mu} u_{\mu L})$	${ m R}$
VnunuLL_2233	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{ u}_{ au L} \gamma_{\mu} u_{ au L})$	${ m R}$
VnunuLL_3333	$(\bar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (\bar{ u}_{ au L} \gamma_{\mu} u_{ au L})$	${ m R}$
VnunuLL_1112	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{ u}_{eL}\gamma_{\mu} u_{\mu L})$	$^{\mathrm{C}}$
VnunuLL_1222	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{ u}_{\mu L}\gamma_{\mu} u_{\mu L})$	$^{\mathrm{C}}$
VnunuLL_1233	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{ u}_{ au L}\gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_1113	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{ u}_{eL}\gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_1223	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{ u}_{\mu L}\gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_1333	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{ u}_{ au L}\gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_1123	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{ u}_{\mu L}\gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_2223	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{ u}_{\mu L} \gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_2333	$(ar u_{\mu L} \gamma^\mu u_{ au L}) (ar u_{ au L} \gamma_\mu u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_1232	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{ au L}\gamma_{\mu} u_{\mu L})$	$^{\mathrm{C}}$
VnunuLL_1323	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{ u}_{\mu L}\gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_1213	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{eL}\gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_1212	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{eL}\gamma_{\mu} u_{\mu L})$	\mathbf{C}
VnunuLL_1313	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ u}_{eL}\gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$
VnunuLL_2323	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{ u}_{\mu L} \gamma_{\mu} u_{ au L})$	$^{\mathrm{C}}$

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WC name	Operator	Type
VnueLL_1112	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{e}_{L}\gamma_{\mu}\mu_{L})$	C
VnueLL_2212	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{e}_L \gamma_{\mu} \mu_L)$	\mathbf{C}
VnueLL_3312	$(\bar{ u}_{\tau L} \gamma^{\mu} u_{\tau L}) (\bar{e}_L \gamma_{\mu} \mu_L)$	C
VnueLR_1112	$(ar u_{eL}\gamma^\mu u_{eL})(ar e_R\gamma_\mu\mu_R)$	$^{\mathrm{C}}$
VnueLR_2212	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (\bar{e}_R \gamma_{\mu} \mu_R)$	\mathbf{C}
VnueLR_3312	$(\bar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (\bar{e}_R \gamma_{\mu} \mu_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
VnueLL_1212	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{e}_{L}\gamma_{\mu}\mu_{L})$	С
VnueLR_1212	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{e}_R\gamma_{\mu}\mu_R)$	\mathbf{C}
VnueLL_1312	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{e}_{L}\gamma_{\mu}\mu_{L})$	\mathbf{C}
VnueLR_1312	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{e}_{R}\gamma_{\mu}\mu_{R})$	\mathbf{C}
VnueLL_2321	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_L \dot{\gamma}_{\mu} e_L)$	\mathbf{C}
VnueLR_2321	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_R \gamma_{\mu} e_R)$	\mathbf{C}
VnueLL_1221	$(ar u_{eL}\gamma^\mu u_{\mu L})(ar\mu_L\gamma_\mu e_L)$	\mathbf{C}
VnueLR_1221	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{\mu}_{R}\gamma_{\mu}e_{R})$	\mathbf{C}
VnueLL_1321	$(\bar{ u}_{eL}\gamma^{\mu}\overline{ u}_{ au L})(\bar{\mu}_{L}\gamma_{\mu}e_{L})$	\mathbf{C}
VnueLR_1321	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{\tau L})(\bar{\mu}_R\gamma_{\mu}e_R)$	\mathbf{C}
VnueLL_2312	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{e}_L \gamma_{\mu} \mu_L)$	\mathbf{C}
VnueLR_2312	$(\bar{\nu}_{\mu L}\gamma^{\mu}\nu_{\tau L})(\bar{e}_R\gamma_{\mu}\mu_R)$	C

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WC name	Operator	Type
egamma_11	$\bar{e}_L \sigma^{\mu u} e_R F_{\mu u}$	C
egamma_22	$ar{\mu}_L \sigma^{\mu u} \mu_R \dot{F}_{\mu u}$	$^{\mathrm{C}}$
ugamma_11	$\bar{u}_L \sigma^{\mu\nu} u_R F_{\mu\nu}$	$^{\mathrm{C}}$
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}
uG_11	$ar{u}_L \sigma^{\mu u} T^A u_R G^A_{\mu u}$	\mathbf{C}
dG_11	$ar{d}_L \sigma^{\mu u} T^A d_R G^{\overline{A}}_{\mu u} \ ar{s}_L \sigma^{\mu u} T^A s_R G^{\overline{A}}_{\mu u}$	$^{\mathrm{C}}$
dG_22	$ar{s}_L \sigma^{\mu u} T^A s_R G^A_{\mu u}$	\mathbf{C}
G	$f^{ABC}G^{A u}_{\mu}G^{B ho}_{ u}G^{C\mu}_{ ho}$	R
Gtilde	$f^{ABC}G_{\mu}^{A u}G_{ u}^{B ho}G_{ ho}^{C\mu} \ f^{ABC}\widetilde{G}_{\mu}^{A u}G_{ u}^{B ho}G_{ ho}^{C\mu}$	R
VeeLL_1111	$(ar{e}_L\gamma^\mu e_L)(ar{e}_L\gamma_\mu e_L)$	R
VeeLL_1122	$(ar{e}_L \gamma^\mu e_L) (ar{\mu}_L \gamma_\mu \mu_L)$	R
VeeLL_2222	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_L \gamma_\mu \mu_L)$	R
VeuLL_1111	$(ar{e}_L \gamma^\mu e_L) (ar{u}_L \gamma_\mu u_L)$	R
VeuLL_2211	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{u}_L \gamma_\mu u_L)$	R
VedLL_1111	$(ar{e}_L \gamma^\mu e_L) (ar{d}_L \gamma_\mu d_L)$	R
VedLL_1122	$(ar{e}_L \gamma^\mu e_L) (ar{s}_L \gamma_\mu s_L)$	R
VedLL_2211	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{d}_L \gamma_\mu d_L)$	R
VedLL_2222	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{s}_L \gamma_\mu s_L)$	R
VuuLL_1111	$(ar{u}_L\gamma^\mu u_L)(ar{u}_L\gamma_\mu u_L)$	R
VddLL_1111	$(d_L \gamma^\mu d_L) (d_L \gamma_\mu d_L)$	R
VddLL_1122	$(ar{d}_L \gamma^\mu d_L) (ar{s}_L \gamma_\mu s_L)$	R
VddLL_1221	$(ar{d}_L \gamma^\mu s_L) (ar{s}_L \gamma_\mu d_L)$	R
VddLL_2222	$(ar{s}_L \gamma^\mu s_L) (ar{s}_L \gamma_\mu s_L)$	R
V1udLL_1111	$(ar{u}_L \gamma^\mu u_L) (ar{d}_L \gamma_\mu d_L)$	R
V1udLL_1122	$(\bar{u}_L \gamma^\mu u_L)(\bar{s}_L \gamma_\mu s_L)$	R

WC name	Operator	Tyl
V8udLL_1111	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_L \gamma_\mu T^A d_L)$	R
V8udLL_1122	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{s}_L \gamma_\mu T^A s_L)$	R
VeeRR_1111	$(ar{e}_R\gamma^\mu e_R)(ar{e}_R\gamma_\mu e_R)$	R
VeeRR_1122	$(ar{e}_R\gamma^\mu e_R)(ar{\mu}_R\gamma_\mu\mu_R)$	R
VeeRR_2222	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VeuRR_1111	$(ar{e}_R\gamma^\mu e_R)(ar{u}_R\gamma_\mu u_R)$	R
VeuRR_2211	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu u_R)$	R
VedRR_1111	$(ar{e}_R \gamma^\mu e_R) (ar{d}_R \gamma_\mu d_R)$	R
VedRR_1122	$(ar{e}_R \gamma^\mu e_R) (ar{s}_R \gamma_\mu s_R)$	R
VedRR_2211	$(ar{\mu}_R \gamma^\mu \mu_R) (ar{d}_R \gamma_\mu d_R)$	R
VedRR_2222	$(ar{\mu}_R \gamma^\mu \mu_R) (ar{s}_R \gamma_\mu s_R)$	R
VuuRR_1111	$(ar{u}_R \gamma^\mu u_R) (ar{u}_R \gamma_\mu u_R)$	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_1221	$(ar{d}_R\gamma^\mu s_R)(ar{s}_R\gamma_\mu d_R)$	R
VddRR_2222	$(\bar{s}_R\gamma^\mu s_R)(\bar{s}_R\gamma_\mu s_R)$	R
V1udRR_1111	$(\bar{u}_R\gamma^\mu u_R)(\bar{d}_R\gamma_\mu d_R)$	R
V1udRR_1122	$(ar{u}_R\gamma^\mu u_R)(ar{s}_R\gamma_\mu s_R)$	R
V8udRR_1111	$(ar{u}_R\gamma^\mu T^A u_R)(ar{d}_R\gamma_\mu T^A d_R)$	R
V8udRR_1122	$(\bar{u}_R\gamma^{\mu}T^Au_R)(\bar{s}_R\gamma_{\mu}T^As_R)$	R
VeeLR_1111	$(\bar{e}_L\gamma^{\mu}e_L)(\bar{e}_R\gamma_{\mu}e_R)$	R
VeeLR_1122	$(ar{e}_L\gamma^\mu e_L)(ar{e}_R\gamma_\mu e_R) \ (ar{e}_L\gamma^\mu e_L)(ar{\mu}_R\gamma_\mu \mu_R)$	R
VeeLR_1221	$(ar{e}_L\gamma^\mu\mu_L)(ar{\mu}_R\gamma_\mu e_R)$	C
VeeLR_2211	$(ar{e}_L \gamma^\mu \mu_L)(ar{\mu}_R \gamma_\mu e_R) \ (ar{\mu}_L \gamma^\mu \mu_L)(ar{e}_R \gamma_\mu e_R)$	$\overset{\circ}{\mathrm{R}}$
VeeLR_2222	$(ar{\mu}_L\gamma^\mu\mu_L)(e_R\gamma_\mu e_R) \ (ar{\mu}_L\gamma^\mu\mu_L)(ar{\mu}_R\gamma_\mu\mu_R)$	R
VeuLR_1111	$(ar{e}_L\gamma^\mu e_L)(ar{u}_R\gamma_\mu u_R)$	R
VeuLR_2211	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{u}_R\gamma_\mu u_R)$	R
VedLR_1111	$(ar{e}_L\gamma^\mu e_L)(ar{d}_R\gamma_\mu d_R) \ (ar{e}_L\gamma^\mu e_L)(ar{d}_R\gamma_\mu d_R)$	R
VedLR_1111 VedLR_1122	$(ar{e}_L\gamma^{\mu}e_L)(ar{s}_R\gamma_{\mu}s_R) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	R
VedLR_2211	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{d}_R\gamma_\mu d_R)$	R
VedLR_2211 VedLR_2222	$(ar{\mu}_L\gamma^{\mu}\mu_L)(ar{u}_R\gamma_{\mu}u_R) \ (ar{\mu}_L\gamma^{\mu}\mu_L)(ar{s}_R\gamma_{\mu}s_R)$	R
VueLR_1111	$(ar{u}_L\gamma^\mu u_L)(ar{e}_R\gamma_\mu e_R) \ (ar{u}_L\gamma^\mu u_L)(ar{e}_R\gamma_\mu e_R)$	R
VueLR_1111 VueLR_1122	$(ar{u}_L\gamma^{\mu}u_L)(ar{u}_R\gamma_{\mu} u_R)$	R
VdeLR_1111	$(ar{d}_L\gamma^\mu d_L)(ar{e}_R\gamma_\mu e_R)$	R
VdeLR_1111 VdeLR_1122	$(ar{d}_L\gamma^\mu d_L)(ar{e}_R\gamma_\mu e_R) \ (ar{d}_L\gamma^\mu d_L)(ar{\mu}_R\gamma_\mu \mu_R)$	R
VdeLR_1122 VdeLR_2211	$egin{array}{l} (a_L + a_L)(\mu_R + \mu_R) \ (ar{s}_L \gamma^\mu s_L)(ar{e}_R \gamma_\mu e_R) \end{array}$	R
VdeLR_2211 VdeLR_2222	$(\bar{s}_L\gamma^\mu s_L)(\bar{c}_R\gamma_\mu c_R) \ (\bar{s}_L\gamma^\mu s_L)(\bar{\mu}_R\gamma_\mu \mu_R)$	R
V1uuLR_1111	$egin{array}{l} (ar{s}_L\gamma^{\mu}ar{s}_L)(\mu_R\gamma_{\mu}\mu_R) \ (ar{u}_L\gamma^{\mu}u_L)(ar{u}_R\gamma_{\mu}u_R) \end{array}$	R
V8uuLR_1111	$(ar{u}_L\gamma^\mu T^A u_L)(ar{u}_R\gamma_\mu u_R) \ (ar{u}_L\gamma^\mu T^A u_L)(ar{u}_R\gamma_\mu T^A u_R)$	R
V1udLR_1111	$(ar{u}_L\gamma^\mu u_L)(ar{d}_R\gamma_\mu d_R) \ (ar{u}_L\gamma^\mu u_L)(ar{d}_R\gamma_\mu d_R)$	R
V1udLR_1111 V1udLR_1122	$egin{array}{l} (u_L\gamma^{\mu} \ u_L)(u_R\gamma_{\mu}u_R) \ (ar{u}_L\gamma^{\mu}u_L)(ar{s}_R\gamma_{\mu}s_R) \end{array}$	R
V1udLk_1122 V8udLR_1111	$egin{aligned} (u_L\gamma^\mu u_L)(s_R\gamma_\mu s_R) \ (ar u_L\gamma^\mu T^A u_L)(ar d_R\gamma_\mu T^A d_R) \end{aligned}$	R R
V8udLR_1111 V8udLR_1122	$(u_L\gamma^{\mu} T^A u_L)(a_R\gamma_{\mu}T^A a_R) \ (\bar{u}_L\gamma^{\mu} T^A u_L)(\bar{s}_R\gamma_{\mu} T^A s_R)$	R R
VOUULIL_11ZZ	$(a_L \gamma + a_L)(s_R \gamma_{\mu} + s_R)$	n
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WC name	Operator	Type
V1duLR_1111	$(\bar{d}_L \gamma^\mu d_L)(\bar{u}_R \gamma_\mu u_R)$	R
V1duLR_2211	$(\bar{s}_L \gamma^\mu s_L)(\bar{u}_R \gamma_\mu u_R)$	\mathbf{R}
V8duLR_1111	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{u}_R \gamma_\mu T^A u_R)$	${ m R}$
V8duLR_2211	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{u}_R \gamma_\mu T^A u_R)$	\mathbf{R}
V1ddLR_1111	$(ar{d}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu d_R)$	${ m R}$
V1ddLR_1122	$(ar{d}_L \gamma^\mu d_L) (ar{s}_R \gamma_\mu s_R)$	${ m R}$
V1ddLR_1221	$(ar{d}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu d_R)$	\mathbf{C}
V1ddLR_2211	$(ar{s}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu d_R)$	${ m R}$
V1ddLR_2222	$(ar{s}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu s_R)$	${ m R}$
V8ddLR_1111	$(ar{d}_L \gamma^\mu T^A d_L) (ar{d}_R \gamma_\mu T^A d_R)$	${ m R}$
V8ddLR_1122	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A s_R)$	${ m R}$
V8ddLR_1221	$(ar{d}_L \gamma^\mu T^A s_L) (ar{s}_R \gamma_\mu T^A d_R)$	\mathbf{C}
V8ddLR_2211	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A d_R)$	${ m R}$
V8ddLR_2222	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A s_R)$	${ m R}$
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}
V8udduLR_1111	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A u_R)$	\mathbf{C}
V8udduLR_1221	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A u_R)$	\mathbf{C}
SeuRL_1111	$(ar{e}_L e_R)(ar{u}_R u_L)$	$^{\mathrm{C}}$
SeuRL_2211	$(ar{\mu}_L \mu_R)(ar{u}_R u_L)$	$^{\mathrm{C}}$
SedRL_1111	$(ar{e}_L e_R)(ar{d}_R d_L)$	$^{\mathrm{C}}$
SedRL_1122	$(ar{e}_L e_R)(ar{s}_R s_L)$	$^{\mathrm{C}}$
SedRL_2211	$(ar{\mu}_L\mu_R)(ar{d}_Rd_L)$	$^{\mathrm{C}}$
SedRL_2222	$(ar{\mu}_L \mu_R)(ar{s}_R s_L)$	$^{\mathrm{C}}$
SeeRR_1111	$(ar{e}_L e_R)(ar{e}_L e_R)$	$^{\mathrm{C}}$
SeeRR_1122	$(ar{e}_L e_R)(ar{\mu}_L \mu_R)$	$^{\mathrm{C}}$
SeeRR_1221	$(ar{e}_L\mu_R)(ar{\mu}_Le_R)$	$^{\mathrm{C}}$
SeeRR_2222	$(ar{\mu}_L\mu_R)(ar{\mu}_L\mu_R)$	$^{\mathrm{C}}$
SeuRR_1111	$(ar{e}_L e_R)(ar{u}_L u_R)$	$^{\mathrm{C}}$
SeuRR_2211	$(ar{\mu}_L\mu_R)(ar{u}_Lu_R)$	$^{\mathrm{C}}$
TeuRR_1111	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{u}_L \sigma_{\mu\nu} u_R)$	C
TeuRR_2211	$(\bar{\mu}_L \sigma^{\mu u} \mu_{\underline{R}}) (\bar{u}_L \sigma_{\mu u} u_R)$	С
SedRR_1111	$(ar{e}_L e_R)(d_L d_R)$	C
SedRR_1122	$(ar{e}_L e_R)(ar{s}_{\underline{L}} s_R)$	С
SedRR_2211	$(ar{\mu}_L\mu_R)(d_Ld_R)$	C
SedRR_2222	$(ar{\mu}_L\mu_R)(ar{s}_Ls_{ar{R}})$	С
TedRR_1111	$(ar{e}_L \sigma^{\mu u} e_R) (ar{d}_L \sigma_{\mu u} d_R)$	C
TedRR_1122	$(ar{e}_L\sigma^{\mu u}e_R)(ar{s}_{ar{L}}\sigma_{\mu u}s_R)$	С
TedRR_2211	$(ar{\mu}_L \sigma^{\mu u}_{\mu R}) (ar{d}_L \sigma_{\mu u} d_R)$	C
TedRR_2222	$(\bar{\mu}_L \sigma^{\mu u} \mu_R) (\bar{s}_L \sigma_{\mu u} s_R)$	C
S1uuRR_1111	$(\bar{u}_L u_R)(\bar{u}_L u_R)$	C
S8uuRR_1111	$(ar{u}_L T^A u_R) (ar{u}_L T^A u_R)$	C
S1udRR_1111	$(ar{u}_L u_R)(ar{d}_L d_R)$	С

WC name	Operator	Type
S1udRR_1122	$(\bar{u}_L u_R)(\bar{s}_L s_R)$	C
S8udRR_1111	$(ar{u}_L T^A u_R) (ar{d}_L T^A d_R)$	\mathbf{C}
S8udRR_1122	$(\bar{u}_L T^A u_R)(\bar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S1ddRR_1111	$(ar{d}_L d_R)(ar{d}_L d_R)$	$^{\mathrm{C}}$
S1ddRR_1122	$(ar{d}_L d_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
S1ddRR_1221	$(ar{d}_L s_R)(ar{s}_L d_R)$	$^{\mathrm{C}}$
S1ddRR_2222	$(ar{s}_L s_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
S8ddRR_1111	$(ar{d}_L T^A d_R) (ar{d}_L T^A d_R)$	$^{\mathrm{C}}$
S8ddRR_1122	$(ar{d}_L T^A d_R) (ar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S8ddRR_1221	$(\bar{d}_L T^A s_R)(\bar{s}_L T^A d_R)$	$^{\mathrm{C}}$
S8ddRR_2222	$(ar{s}_L T^A s_R) (ar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S1udduRR_1111	$(ar{u}_L d_R)(ar{d}_L u_R)$	$^{\mathrm{C}}$
S1udduRR_1221	$(ar{u}_L s_R)(ar{s}_L u_R)$	$^{\mathrm{C}}$
S8udduRR_1111	$(\bar{u}_L T^A d_R)(\bar{d}_L T^A u_R)$	$^{\mathrm{C}}$
S8udduRR_1221	$(\bar{u}_L T^A s_R)(\bar{s}_L T^A u_R)$	C

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

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WC name	Operator	Type
VnueduLL_1221	$(\bar{\nu}_{eL}\gamma^{\mu}\mu_L)(\bar{s}_L\gamma_{\mu}u_L)$	C
VnueduLR_1221	$(\bar{\nu}_{eL}\gamma^{\mu}\mu_L)(\bar{s}_R\gamma_{\mu}u_R)$	$^{\mathrm{C}}$
SnueduRL_1221	$(ar{ u}_{eL}\mu_R)(ar{s}_Ru_L)$	\mathbf{C}

WC name	Operator	Type
SnueduRR_1221	$(\bar{ u}_{eL}\mu_R)(\bar{s}_Lu_R)$	\mathbf{C}
TnueduRR_1221	$(\bar{ u}_{eL}\sigma^{\mu u}\mu_R)(\bar{s}_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
VnueduLL_2221	$(\bar{ u}_{\mu L} \gamma^{\mu} \mu_L) (\bar{s}_L \gamma_{\mu} u_L)$	$^{\mathrm{C}}$
VnueduLR_2221	$(\bar{\nu}_{\mu L} \gamma^{\mu} \mu_L)(\bar{s}_R \gamma_{\mu} u_R)$	$^{\mathrm{C}}$
SnueduRL_2221	$(ar{ u}_{\mu L}\mu_R)(ar{s}_R u_L)$	$^{\mathrm{C}}$
SnueduRR_2221	$(\bar{ u}_{\mu L}\mu_R)(\bar{s}_L u_R)$	$^{\mathrm{C}}$
TnueduRR_2221	$(\bar{\nu}_{\mu L}\sigma^{\mu \nu}\mu_R)(\bar{s}_L\sigma_{\mu \nu}u_R)$	$^{\mathrm{C}}$
VnueduLL_3221	$(\bar{\nu}_{\tau L} \gamma^{\mu} \mu_L) (\bar{s}_L \gamma_{\mu} u_L)$	$^{\mathrm{C}}$
VnueduLR_3221	$(\bar{\nu}_{\tau L} \gamma^{\mu} \mu_L) (\bar{s}_R \gamma_{\mu} u_R)$	$^{\mathrm{C}}$
SnueduRL_3221	$(ar{ u}_{ au L} \mu_R)(ar{s}_R u_L)$	C
SnueduRR_3221	$(\bar{\nu}_{\tau L}\mu_R)(\bar{s}_L u_R)$	C
TnueduRR_3221	$(ar u_{ au L}\sigma^{\mu u}\mu_R)(ar s_L\sigma_{\mu u}u_R)$	\mathbf{C}

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

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WC name	Operator	Type
VnueduLL_1211	$(\bar{ u}_{eL}\gamma^{\mu}\mu_{L})(\bar{d}_{L}\gamma_{\mu}u_{L})$	C
VnueduLR_1211	$(ar{ u}_{eL}\gamma^{\mu}\mu_L)(ar{d}_R\gamma_{\mu}u_R)$	\mathbf{C}
SnueduRL_1211	$(ar{ u}_{eL}\mu_R)(ar{d}_R u_L)$	\mathbf{C}
SnueduRR_1211	$(ar{ u}_{eL}\mu_R)(ar{d}_L u_R)$	$^{\mathrm{C}}$
TnueduRR_1211	$(ar{ u}_{eL}\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
VnueduLL_2211	$(ar{ u}_{\mu L} \gamma^{\mu} \mu_L) (ar{d}_L \gamma_{\mu} u_L)$	\mathbf{C}

WC name	Operator	Type
VnueduLR_2211	$(\bar{ u}_{\mu L} \gamma^{\mu} \mu_L) (\bar{d}_R \gamma_{\mu} u_R)$	C
SnueduRL_2211	$(ar{ u}_{\mu L}\mu_R)(ar{d}_R u_L)$	$^{\mathrm{C}}$
SnueduRR_2211	$(ar{ u}_{\mu L}\mu_R)(ar{d}_L u_R)$	$^{\mathrm{C}}$
TnueduRR_2211	$(ar{ u}_{\mu L}\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
VnueduLL_3211	$(ar{ u}_{ au L} \gamma^{\mu} \mu_L) (ar{d}_L \gamma_{\mu} u_L)$	$^{\mathrm{C}}$
VnueduLR_3211	$(\bar{ u}_{ au L} \gamma^{\mu} \mu_L) (\bar{d}_R \gamma_{\mu} u_R)$	$^{\mathrm{C}}$
SnueduRL_3211	$(ar{ u}_{ au L} \mu_R) (ar{d}_R u_L)$	$^{\mathrm{C}}$
SnueduRR_3211	$(ar{ u}_{ au L} \mu_R) (ar{d}_L u_R)$	$^{\mathrm{C}}$
TnueduRR_3211	$(ar{ u}_{ au L} \sigma^{\mu u} \mu_R) (ar{d}_L \sigma_{\mu u} u_R)$	C

sdnunu

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

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WC name	Operator	Type
VnueLL_1111	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{e}_{L}\gamma_{\mu}e_{L})$	R
VnueLL_1122	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{\mu}_{L}\gamma_{\mu}\mu_{L})$	${ m R}$
VnueLL_2211	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{e}_L \gamma_{\mu} e_L)$	R
VnueLL_2222	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{\mu}_L \gamma_{\mu} \mu_L)$	R
VnueLL_3311	$(\bar{ u}_{\tau L} \gamma^{\mu} \nu_{\tau L}) (\bar{e}_L \gamma_{\mu} e_L)$	R
VnueLL_3322	$(\bar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (\bar{\mu}_{L} \gamma_{\mu} \mu_{L})$	R

WC name	Operator	Type
VnuuLL_1111	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{eL})(\bar{u}_{L}\gamma_{\mu}u_{L})$	R
VnuuLL_2211	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{u}_L \gamma_{\mu} u_L)$	R
VnuuLL_3311	$(ar u_{ au L} \gamma^\mu u_{ au L}) (ar u_L \gamma_\mu u_L)$	R
VnudLL_1111	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{d}_{L}\gamma_{\mu}d_{L})$	R
VnudLL_1122	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{s}_{L}\gamma_{\mu}s_{L})$	R
VnudLL_2211	$(ar u_{\mu L} \gamma^\mu u_{\mu L}) (ar d_L \gamma_\mu d_L)$	R
VnudLL_2222	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{s}_L \gamma_{\mu} s_L)$	R
VnudLL_3311	$(ar u_{ au L} \gamma^\mu u_{ au L}) (ar d_L \gamma_\mu d_L)$	R
VnudLL_3322	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{s}_{L} \gamma_{\mu} s_{L})$	R
VnueLR_1111	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{e}_{R}\gamma_{\mu}e_{R})$	R
VnueLR_1122	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{\mu}_{R}\gamma_{\mu}\mu_{R})$	R
VnueLR_2211	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{e}_R \gamma_{\mu} e_R)$	R
VnueLR_2222	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (\bar{\mu}_R \gamma_{\mu} \mu_R)$	R
VnueLR_3311	$(\bar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (\bar{e}_R \gamma_{\mu} e_R)$	R
VnueLR_3322	$(\bar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (\bar{\mu}_R \gamma_{\mu} \mu_R)$	R
VnuuLR_1111	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{u}_{R}\gamma_{\mu}u_{R})$	R
VnuuLR_2211	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{u}_R \gamma_{\mu} u_R)$	R
VnuuLR_3311	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{u}_R \gamma_{\mu} u_R)$	R
VnudLR_1111	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{d}_{R}\gamma_{\mu}d_{R})$	R
VnudLR_1122	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{s}_{R}\gamma_{\mu}s_{R})$	R
VnudLR_2211	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{d}_R \gamma_{\mu} d_R)$	R
VnudLR_2222	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{s}_R \gamma_{\mu} s_R)$	R
VnudLR_3311	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{d}_R \gamma_{\mu} d_R)$	R
VnudLR_3322	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{s}_R \gamma_{\mu} s_R)$	R
VnueLL_1211	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{e}_{L}\gamma_{\mu}e_{L})$	\mathbf{C}
VnueLL_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{\mu}_{L}\gamma_{\mu}\mu_{L})$	\mathbf{C}
VnuuLL_1211	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{u}_{L}\gamma_{\mu}u_{L})$	\mathbf{C}
VnudLL_1211	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{d}_{L}\gamma_{\mu}d_{L})$	\mathbf{C}
VnudLL_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{s}_{L}\gamma_{\mu}s_{L})$	\mathbf{C}
VnueLR_1211	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{e}_{R}\gamma_{\mu}e_{R})$	\mathbf{C}
VnueLR_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{\mu}_{R}\gamma_{\mu}\mu_{R})$	\mathbf{C}
VnuuLR_1211	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{u}_{R}\gamma_{\mu}u_{R})$	\mathbf{C}
VnudLR_1211	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{d}_R\gamma_{\mu}d_R)$	\mathbf{C}
VnudLR_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{s}_R\gamma_{\mu}s_R)$	\mathbf{C}
VnueLL_1311	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{e}_{L}\gamma_{\mu}e_{L})$	$^{\mathrm{C}}$
VnueLL_1322	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{\mu}_{L}\gamma_{\mu}\mu_{L})$	C
VnuuLL_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{u}_{L}\gamma_{\mu}u_{L})$	C
VnudLL_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(d_L\gamma_{\mu}d_L)$	C
VnudLL_1322	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{s}_{L}\gamma_{\mu}s_{L})$	C
VnueLR_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{e}_{R}\gamma_{\mu}e_{R})$	C
VnueLR_1322	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{\mu}_{R}\gamma_{\mu}\mu_{R})$	C
VnuuLR_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{u}_{R}\gamma_{\mu}u_{R})$	C
VnudLR_1311	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{\tau L})(d_R\gamma_{\mu}d_R)$	\mathbf{C}

WC name	Operator	Type
VnudLR_1322	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{s}_{R}\gamma_{\mu}s_{R})$	C
VnueLL_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{e}_L \gamma_{\mu} e_L)$	$^{\mathrm{C}}$
VnueLL_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_L \gamma_{\mu} \mu_L)$	$^{\mathrm{C}}$
VnuuLL_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{u}_L \gamma_{\mu} u_L)$	$^{\mathrm{C}}$
VnudLL_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{d}_L \gamma_{\mu} d_L)$	$^{\mathrm{C}}$
VnudLL_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{s}_L \gamma_{\mu} s_L)$	$^{\mathrm{C}}$
VnueLR_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{e}_R \gamma_{\mu} e_R)$	$^{\mathrm{C}}$
VnueLR_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_R \gamma_{\mu} \mu_R)$	$^{\mathrm{C}}$
VnuuLR_2311	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{\tau L}) (\bar{u}_R \gamma_{\mu} u_R)$	$^{\mathrm{C}}$
VnudLR_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{d}_R \gamma_{\mu} d_R)$	\mathbf{C}
VnudLR_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{s}_R \gamma_{\mu} s_R)$	C

uddnu

WC name	Operator	Type
SdudRL_1111	$\epsilon_{lphaeta\gamma}(d_R^{lpha T}Cu_R^{eta})(d_L^{\gamma T}C u_{eL})$	C
SdudRL_1112	$\epsilon_{lphaeta\gamma}(d_R^{lpha T}Cu_R^eta)(d_L^{\gamma T}C u_{\mu L})$	\mathbf{C}
SdudRL_1113	$\epsilon_{lphaeta\gamma}(d_R^{lpha T}Cu_R^eta)(d_L^{\gamma T}C u_{ au L})$	\mathbf{C}
SuddLL_1111	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cd_L^eta)(d_L^{\gamma T}C u_{eL})$	\mathbf{C}
SuddLL_1112	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cd_L^eta)(d_L^{\gamma T}C u_{\mu L})$	\mathbf{C}
SuddLL_1113	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cd_L^eta)(d_L^{\gamma T}C u_{ au L})$	$^{\mathrm{C}}$

udsnu

WC name	Operator	Type
SdduRL_1211	$\epsilon_{\alpha\beta\gamma}(d_R^{\alpha T}Cs_R^{\beta})(u_L^{\gamma T}C\nu_{eL})$	C
SdduRL_1212	$\epsilon_{lphaeta\gamma}(d_R^{lpha T}Cs_R^{eta})(u_L^{ar{\gamma} T}C u_{\mu L})$	$^{\mathrm{C}}$
SdduRL_1213	$\epsilon_{\alpha\beta\gamma}(d_R^{\alpha T}Cs_R^{\beta})(u_L^{\gamma T}C\nu_{\tau L})$	$^{\mathrm{C}}$
SdudRL_1121	$\epsilon_{\alpha\beta\gamma}(d_R^{\alpha T}Cu_R^{\beta})(s_L^{\gamma T}C\nu_{eL})$	$^{\mathrm{C}}$
SdudRL_1122	$\epsilon_{lphaeta\gamma}(d_R^{lpha T}Cu_R^{eta})(s_L^{\gamma T}C u_{\mu L})$	\mathbf{C}
SdudRL_1123	$\epsilon_{\alpha\beta\gamma}(d_R^{\alpha T}Cu_R^{\beta})(s_L^{\gamma T}C\nu_{\tau L})$	$^{\mathrm{C}}$
SdudRL_2111	$\epsilon_{lphaeta\gamma}(s_R^{lpha T}Cu_R^{eta})(d_L^{\gamma T}C u_{eL})$	\mathbf{C}
SdudRL_2112	$\epsilon_{lphaeta\gamma}(s_R^{lpha T}Cu_R^eta)(d_L^{\gamma T}C u_{\mu L})$	$^{\mathrm{C}}$
SdudRL_2113	$\epsilon_{lphaeta\gamma}(s_R^{lpha T}Cu_R^eta)(d_L^{\gamma T}C u_{ au L})$	\mathbf{C}
SuddLL_1121	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cd_L^eta)(s_L^{\gamma T}C u_{eL})$	$^{\mathrm{C}}$
SuddLL_1122	$\epsilon_{\alpha\beta\gamma}(u_L^{\alpha T}Cd_L^{\beta})(s_L^{\gamma T}C\nu_{\mu L})$	$^{\mathrm{C}}$
SuddLL_1123	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cd_L^{eta})(s_L^{\gamma T}C u_{ au L})$	\mathbf{C}
SuddLL_1211	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cs_L^eta)(d_L^{\gamma T}C u_{eL})$	\mathbf{C}
SuddLL_1212	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cs_L^eta)(d_L^{\gamma T}C u_{\mu L})$	\mathbf{C}

WC name	Operator	Type
SuddLL_1213	$\epsilon_{\alpha\beta\gamma}(u_L^{\alpha T}Cs_L^{\beta})(d_L^{\gamma T}C\nu_{\tau L})$	С

ussnu

WC name	Operator	Type
SdudRL_2121	$\epsilon_{\alpha\beta\gamma}(s_R^{\alpha T}Cu_R^{\beta})(s_L^{\gamma T}C\nu_{eL})$	C
SdudRL_2122	$\epsilon_{lphaeta\gamma}(s_R^{lpha T}Cu_R^eta)(s_L^{\gamma T}C u_{\mu L})$	\mathbf{C}
SdudRL_2123	$\epsilon_{lphaeta\gamma}(s_R^{lpha T}Cu_R^{eta})(s_L^{\gamma T}C u_{ au L})$	$^{\mathrm{C}}$
SuddLL_1221	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cs_L^eta)(s_L^{\gamma T}C u_{eL})$	\mathbf{C}
SuddLL_1222	$\epsilon_{lphaeta\gamma}(u_L^{lpha T}Cs_L^eta)(s_L^{\gamma T}C u_{\mu L})$	$^{\mathrm{C}}$
SuddLL_1223	$\epsilon_{\alpha\beta\gamma}(u_L^{\alpha T}Cs_L^{\beta})(s_L^{\gamma T}C\nu_{\tau L})$	C

uude

WC name	Operator	Type
SduuLL_1111	$\epsilon_{lphaeta\gamma}(d_L^{lpha T}Cu_L^eta)(u_L^{\gamma T}Ce_L)$	\mathbf{C}
SduuLR_1111	$\epsilon_{lphaeta\gamma}(d_L^{lpha T}Cu_L^eta)(u_R^{\gamma T}Ce_R)$	\mathbf{C}
SduuRL_1111	$\epsilon_{lphaeta\gamma}(d_R^{lpha T}Cu_R^{\overline{eta}})(u_L^{\overline{\gamma} T}Ce_L)$	\mathbf{C}
SduuRR_1111	$\epsilon_{\alpha\beta\gamma}(d_R^{\alpha T}Cu_R^{\beta})(u_R^{\gamma T}Ce_R)$	C

uudmu

WC name	Operator	Type
SduuLL_1112	$\epsilon_{\alpha\beta\gamma}(d_L^{\alpha T} C u_L^{\beta})(u_L^{\gamma T} C \mu_L)$	C
SduuLR_1112	$\epsilon_{\alpha\beta\gamma}(d_L^{\alpha T}Cu_L^{\beta})(u_R^{\gamma T}C\mu_R)$	\mathbf{C}
SduuRL_1112	$\epsilon_{\alpha\beta\gamma}(d_R^{\alpha T}Cu_R^{\beta})(u_L^{\gamma T}C\mu_L)$	\mathbf{C}
SduuRR_1112	$\epsilon_{lphaeta\gamma}(d_R^{lpha T}Cu_R^eta)(u_R^{\gamma T}C\mu_R)$	\mathbf{C}

uuse

WC name	Operator	Type
SduuLL_2111	$\epsilon_{\alpha\beta\gamma}(s_L^{\alpha T}Cu_L^{\beta})(u_L^{\gamma T}Ce_L)$	C
SduuLR_2111	$\epsilon_{lphaeta\gamma}(s_L^{lpha T}Cu_L^{ar{eta}})(u_R^{ar{\gamma} T}Ce_R)$	\mathbf{C}
SduuRL_2111	$\epsilon_{\alpha\beta\gamma}(s_R^{\alpha T}Cu_R^{\beta})(u_L^{\gamma T}Ce_L)$	\mathbf{C}
SduuRR_2111	$\epsilon_{lphaeta\gamma}(s_R^{lpha T}Cu_R^eta)(u_R^{\gamma T}Ce_R)$	\mathbf{C}

uusmu

WC name	Operator	Type
SduuLL_2112	$\epsilon_{\alpha\beta\gamma}(s_L^{\alpha T}Cu_L^{\beta})(u_L^{\gamma T}C\mu_L)$	\overline{C}
SduuLR_2112	$\epsilon_{lphaeta\gamma}(s_L^{lpha T}Cu_L^{eta})(u_R^{\gamma T}C\mu_R)$	$^{\mathrm{C}}$
SduuRL_2112	$\epsilon_{lphaeta\gamma}(s_R^{lpha T}Cu_R^eta)(u_L^{\gamma T}C\mu_L)$	$^{\mathrm{C}}$
SduuRR_2112	$\epsilon_{lphaeta\gamma}(s_R^{lpha T}Cu_R^eta)(u_R^{\gamma T}C\mu_R)$	\mathbf{C}