Basis JMS (EFT WET-4)

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

Sectors

The effective Lagrangian is defined as

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

sdsd

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}

cucu

WC name	Operator	Type
VuuLL_1212	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_L \gamma_\mu c_L)$	С
VuuRR_1212	$(\bar{u}_R \gamma^\mu c_R)(\bar{u}_R \gamma_\mu c_R)$	\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}

sduc

WC name	Operator	Type
V1udLL_1221	$(\bar{u}_L \gamma^\mu c_L)(\bar{s}_L \gamma_\mu d_L)$	С
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	$(\bar{c}_L s_R)(\bar{d}_L u_R)$	\mathbf{C}
S8udduRR_1122	$(\bar{u}_L T^A d_R)(\bar{s}_L T^A c_R)$	\mathbf{C}
S8udduRR_2211	$(\bar{c}_L T^A s_R)(\bar{d}_L T^A u_R)$	С

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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	$(ar{u}_R \gamma^\mu c_R) (ar{d}_R \gamma_\mu s_R)$	\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}
V1duLR_1212	$(\bar{d}_L \gamma^\mu s_L)(\bar{u}_R \gamma_\mu c_R)$	\mathbf{C}
V8duLR_1212	$(\bar{d}_L \gamma^\mu T^A s_L) (\bar{u}_R \gamma_\mu T^A c_R)$	\mathbf{C}
V1udduLR_1212	$(ar{u}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu c_R)$	\mathbf{C}
V1udduLR_2121	$(ar{c}_L \gamma^\mu d_L) (ar{s}_R \gamma_\mu u_R)$	\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	$(ar{c}_L u_R)(ar{s}_L d_R)$	\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}

WC name	Operator	Type
S1udduRR_2121	$(\bar{c}_L d_R)(\bar{s}_L u_R)$	C
S8udduRR_1212	$(\bar{u}_L T^A s_R)(\bar{d}_L T^A c_R)$	$^{\mathrm{C}}$
S8udduRR_2121	$(\bar{c}_L T^A d_R)(\bar{s}_L T^A u_R)$	$^{\mathrm{C}}$

sd

WC name	Operator	Type
dgamma_12	$\bar{d}_L \sigma^{\mu\nu} s_R F_{\mu\nu}$	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	$(ar{e}_L \gamma^\mu e_L) (ar{d}_L \gamma_\mu^{} s_L)$	$^{\mathrm{C}}$
VedLL_2212	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{d}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
VedLL_3312	$(ar{ au}_L \gamma^\mu au_L) (ar{d}_L \gamma_\mu s_L)$	\mathbf{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	$(ar{u}_L \gamma^\mu u_L) (ar{d}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
V1udLL_2212	$(ar{c}_L \gamma^\mu c_L) (ar{d}_L \gamma_\mu s_L)$	$^{\mathrm{C}}$
V8udLL_1112	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_L \gamma_\mu T^A s_L)$	$^{\mathrm{C}}$
V8udLL_2212	$(ar{c}_L \gamma^\mu T^A c_L) (ar{d}_L \gamma_\mu T^A s_L)$	$^{\mathrm{C}}$
VedRR_1112	$(ar{e}_R \gamma^\mu e_R) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VedRR_2212	$(ar{\mu}_R \gamma^\mu \mu_R) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
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	$(ar{d}_R \gamma^\mu s_R) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
V1udRR_1112	$(ar{u}_R \gamma^\mu u_R) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
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	$(ar{c}_R \gamma^\mu T^A c_R) (ar{d}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
VedLR_1112	$(ar{e}_L \gamma^\mu e_L) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VedLR_2212	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VedLR_3312	$(ar{ au}_L\gamma^\mu au_L)(ar{d}_R\gamma_\mu s_R)$	$^{\mathrm{C}}$
VdeLR_1211	$(ar{d}_L \gamma^\mu s_L) (ar{e}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
VdeLR_1222	$(ar{d}_L \gamma^\mu s_L)(ar{\mu}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VdeLR_1233	$(ar{d}_L \gamma^\mu s_L) (ar{ au}_R \gamma_\mu au_R)$	$^{\mathrm{C}}$
V1udLR_1112	$(ar{u}_L \gamma^\mu u_L) (ar{d}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
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	$(ar{d}_L \gamma^\mu s_L) (ar{u}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
V1duLR_1222	$(ar{d}_L\gamma^\mu s_L)(ar{c}_R\gamma_\mu c_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
V8duLR_1211	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{u}_R \gamma_\mu T^A u_R)$	C
V8duLR_1222	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{c}_R \gamma_\mu T^A c_R)$	\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	$(ar{d}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
V1ddLR_2212	$(ar{s}_L\gamma^\mu s_L)(ar{d}_R\gamma_\mu s_R)$	$^{\mathrm{C}}$
V8ddLR_1112	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
V8ddLR_1211	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A d_R)$	$^{\mathrm{C}}$
V8ddLR_1222	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
V8ddLR 2212	$(\bar{s}_L \gamma^\mu T^A s_L) (\bar{d}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
V1udduLR_1121	$(\bar{u}_L\gamma^\mu d_L)(\bar{s}_R\gamma_\mu u_R)$	$^{\mathrm{C}}$
V1udduLR_1211	$(ar{u}_L\gamma^\mu s_L)(ar{d}_R\gamma_\mu u_R)$	$^{\mathrm{C}}$
V1udduLR_2122	$(\bar{c}_L \gamma^\mu d_L)(\bar{s}_R \gamma_\mu c_R)$	\mathbf{C}
V1udduLR_2212	$(ar{c}_L \gamma^\mu s_L) (ar{d}_R \gamma_\mu c_R)$	\mathbf{C}
V8udduLR_1121	$(\bar{u}_L \gamma^\mu T^A d_L) (\bar{s}_R \gamma_\mu T^A u_R)$	\mathbf{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	$(\bar{c}_L \gamma^\mu T^A d_L)(\bar{s}_R \gamma_\mu T^A c_R)$	\mathbf{C}
V8udduLR_2212	$(\bar{c}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A c_R)$	\mathbf{C}
SedRL_1112	$(ar{e}_L e_R)(ar{d}_R s_L)$	\mathbf{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	$(ar{e}_L e_R)(ar{d}_L s_R)$	\mathbf{C}
SedRR_1121	$(ar{e}_L e_R)(ar{s}_L d_R)$	\mathbf{C}
SedRR_2212	$(ar{\mu}_L \mu_R)(d_L s_R)$	\mathbf{C}
SedRR_2221	$(ar{\mu}_L \mu_R) (ar{s}_L d_R)$	\mathbf{C}
SedRR_3312	$(ar{ au}_L au_R)(d_Ls_R)$	\mathbf{C}
SedRR_3321	$(ar{ au}_L au_R)(ar{s}_Ld_{ar{R}})$	\mathbf{C}
TedRR_1112	$(\bar{e}_L \sigma^{\mu u} e_R) (\bar{d}_L \sigma_{\mu u} s_R)$	\mathbf{C}
TedRR_1121	$(\bar{e}_L \sigma^{\mu u} e_R) (\bar{s}_L \sigma_{\mu u} d_R)$	C
TedRR_2212	$(\bar{\mu}_L \sigma^{\mu u} \mu_R) (d_L \sigma_{\mu u} s_R)$	C
TedRR_2221	$(ar{\mu}_L\sigma^{\mu u}\mu_R)(ar{s}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$
TedRR_3312	$(\bar{ au}_L \sigma^{\mu u} au_R) (d_L \sigma_{\mu u} s_R)$	C
TedRR_3321	$(ar{ au}_L\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}d_R)$	C
S1udRR_1112	$(\bar{u}_L u_R)(d_L s_R)$	C
S1udRR_1121	$(\bar{u}_L u_R)(\bar{s}_L d_R)$	C
S1udRR_2212	$(\bar{c}_L c_R)(d_L s_R)$	C
S1udRR_2221	$(ar{c}_L c_R)(ar{s}_L d_R)$	C
S8udRR_1112	$(\bar{u}_L T^A u_R)(\bar{d}_L T^A s_R)$	C
S8udRR_1121	$(\bar{u}_L T^A u_R)(\bar{s}_L T^A d_R)$	C
S8udRR_2212	$(\bar{c}_L T^A c_R)(\bar{d}_L T^A s_R)$	\mathbf{C}

WC name	Operator	Type
S8udRR_2221	$(\bar{c}_L T^A c_R)(\bar{s}_L T^A d_R)$	C
S1ddRR_1112	$(ar{d}_L d_R)(ar{d}_L s_R)$	\mathbf{C}
S1ddRR_1121	$(ar{d}_L d_R)(ar{s}_L d_R)$	\mathbf{C}
S1ddRR_1222	$(ar{d}_L s_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
S1ddRR_2122	$(ar{s}_L d_R)(ar{s}_L s_R)$	\mathbf{C}
S8ddRR_1112	$(ar{d}_L T^A d_R) (ar{d}_L T^A s_R)$	\mathbf{C}
S8ddRR_1121	$(ar{d}_L T^A d_R) (ar{s}_L T^A d_R)$	\mathbf{C}
S8ddRR_1222	$(ar{d}_L T^A s_R) (ar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S8ddRR_2122	$(\bar{s}_L T^A d_R)(\bar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S1udduRR_1121	$(ar{u}_L d_R)(ar{s}_L u_R)$	\mathbf{C}
S1udduRR_1211	$(ar{u}_L s_R)(ar{d}_L u_R)$	$^{\mathrm{C}}$
S1udduRR_2122	$(ar{c}_L d_R)(ar{s}_L c_R)$	\mathbf{C}
S1udduRR_2212	$(ar{c}_L s_R)(ar{d}_L c_R)$	\mathbf{C}
S8udduRR_1121	$(\bar{u}_L T^A d_R)(\bar{s}_L T^A u_R)$	$^{\mathrm{C}}$
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

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WC name	Operator	Type
ugamma_12	$\bar{u}_L \sigma^{\mu\nu} c_R F_{\mu\nu}$	\overline{C}
ugamma_21	$ar{c}_L \sigma^{\mu u} u_R F_{\mu u}$	\mathbf{C}
uG_12	$ar{u}_L \sigma^{\mu u} T^A c_R G^A_{\mu u} \ ar{c}_L \sigma^{\mu u} T^A u_R G^A_{\mu u}$	\mathbf{C}
uG_21	$ar{c}_L \sigma^{\mu u} T^A u_R G^A_{\mu u}$	\mathbf{C}
VeuLL_1112	$(ar{e}_L \gamma^\mu e_L) (ar{u}_L \gamma_\mu c_L)$	\mathbf{C}
VeuLL_2212	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{u}_L \gamma_\mu c_L)$	\mathbf{C}
VeuLL_3312	$(ar au_L\gamma^\mu au_L)(ar u_L\gamma_\mu c_L)$	С
VuuLL_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{u}_L \gamma_\mu c_L)$	С
VuuLL_1222	$(ar{u}_L \gamma^\mu c_L) (ar{c}_L \gamma_\mu c_L)$	С
V1udLL_1211	$(ar{u}_L \gamma^\mu c_L) (ar{d}_L \gamma_\mu d_L)$	С
V1udLL_1222	$(ar{u}_L \gamma^\mu c_L) (ar{s}_L \gamma_\mu s_L)$	С
V8udLL_1211	$(ar{u}_L \gamma^\mu T^A c_L) (ar{d}_L \gamma_\mu T^A d_L)$	\mathbf{C}
V8udLL_1222	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{s}_L \gamma_\mu T^A s_L)$	\mathbf{C}
VeuRR_1112	$(ar{e}_R \gamma^\mu e_R) (ar{u}_R \gamma_\mu c_R)$	\mathbf{C}
VeuRR_2212	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu c_R)$	С
VeuRR_3312	$(ar{ au}_R \gamma^\mu au_R) (ar{u}_R \gamma_\mu c_R)$	С
VuuRR_1112	$(\bar{u}_R \gamma^\mu u_R)(\bar{u}_R \gamma_\mu c_R)$	С
VuuRR_1222	$(ar{u}_R \gamma^\mu c_R) (ar{c}_R \gamma_\mu c_R)$	С
V1udRR_1211	$(ar{u}_R \gamma^\mu c_R) (ar{d}_R \gamma_\mu d_R)$	\mathbf{C}
V1udRR_1222	$(ar{u}_R \gamma^\mu c_R) (ar{s}_R \gamma_\mu s_R)$	\mathbf{C}
V8udRR_1211	$(ar{u}_R \gamma^\mu T^A c_R) (ar{d}_R \gamma_\mu T^A d_R)$	\mathbf{C}

WC name	Operator	Type
V8udRR_1222	$(\bar{u}_R \gamma^\mu T^A c_R)(\bar{s}_R \gamma_\mu T^A s_R)$	С
VeuLR_1112	$(ar{e}_L \gamma^\mu e_L) (ar{u}_R \gamma_\mu c_R)$	\mathbf{C}
VeuLR_2212	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
VeuLR_3312	$(ar{ au}_L\gamma^\mu au_L)(ar{u}_R\gamma_\mu c_R)$	$^{\mathrm{C}}$
VueLR_1211	$(\bar{u}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
VueLR_1222	$(\bar{u}_L \gamma^\mu c_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VueLR_1233	$(\bar{u}_L \gamma^\mu c_L)(\bar{ au}_R \gamma_\mu au_R)$	$^{\mathrm{C}}$
V1uuLR_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V1uuLR_1211	$(\bar{u}_L \gamma^\mu c_L)(\bar{u}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
V1uuLR_1222	$(\bar{u}_L \gamma^\mu c_L)(\bar{c}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V1uuLR_2212	$(ar{c}_L \gamma^\mu c_L) (ar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V8uuLR_1112	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{u}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V8uuLR_1211	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{u}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8uuLR_1222	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{c}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V8uuLR_2212	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{u}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V1udLR_1211	$(ar{u}_L \gamma^\mu c_L) (ar{d}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
V1udLR_1222	$(ar{u}_L \gamma^\mu c_L) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
V8udLR_1211	$(\bar{u}_L \gamma^\mu T^A c_L) (\bar{d}_R \gamma_\mu T^A d_R)$	$^{\mathrm{C}}$
V8udLR_1222	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{s}_R \gamma_\mu T^A s_R)$	$^{\mathrm{C}}$
V1duLR_1112	$(ar{d}_L \gamma^\mu d_L) (ar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V1duLR_2212	$(ar{s}_L \gamma^\mu s_L) (ar{u}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V8duLR_1112	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{u}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V8duLR_2212	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{u}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V1udduLR_1112	$(ar{u}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V1udduLR_1222	$(ar{u}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
V1udduLR_2111	$(ar{c}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_2221	$(\bar{c}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
V8udduLR_1112	$(\bar{u}_L \gamma^\mu T^A d_L)(\bar{d}_R \gamma_\mu T^A c_R)$	\mathbf{C}
V8udduLR_1222	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
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}
SeuRL_1112	$(ar{e}_L e_R)(ar{u}_R c_L)$	\mathbf{C}
SeuRL_1121	$(\bar{e}_L e_R)(\bar{c}_R u_L)$	\mathbf{C}
SeuRL_2212	$(ar{\mu}_L\mu_R)(ar{u}_Rc_L)$	\mathbf{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	$(ar{\mu}_L\mu_R)(ar{u}_Lc_R)$	\mathbf{C}
SeuRR_2221	$(ar{\mu}_L\mu_R)(ar{c}_Lu_R)$	\mathbf{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	$(\bar{e}_L\sigma^{\mu u}e_R)(\bar{u}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
TeuRR_1121	$(\bar{e}_L \sigma^{\mu\nu} e_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	
TeuRR_2212	$(\bar{\mu}_L \sigma^{\mu u} \mu_R) (\bar{u}_L \sigma_{\mu u} c_R)$	$^{\mathrm{C}}$
TeuRR_2221	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{c}_L \sigma_{\mu\nu} u_R)$	\mathbf{C}
TeuRR_3312	$(\bar{\tau}_L \sigma^{\mu\nu} \tau_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	$^{\mathrm{C}}$
TeuRR_3321	$(ar{ au}_L\sigma^{\mu u} au_R)(ar{c}_L\sigma^{ar{\mu} u}u_R)$	\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	$(ar{u}_L c_R)(ar{c}_L c_R)$	$^{\mathrm{C}}$
S1uuRR_2122	$(ar{c}_L u_R)(ar{c}_L c_R)$	$^{\mathrm{C}}$
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	$(\bar{c}_L T^A u_R)(\bar{c}_L T^A c_R)$	$^{\mathrm{C}}$
S1udRR_1211	$(ar{u}_L c_R)(ar{d}_L d_R)$	$^{\mathrm{C}}$
S1udRR_1222	$(ar{u}_L c_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
S1udRR_2111	$(ar{c}_L u_R)(ar{d}_L d_R)$	$^{\mathrm{C}}$
S1udRR_2122	$(ar{c}_L u_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
S8udRR_1211	$(\bar{u}_L T^A c_R)(\bar{d}_L T^A d_R)$	\mathbf{C}
S8udRR_1222	$(\bar{u}_L T^A c_R)(\bar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S8udRR_2111	$(\bar{c}_L T^A u_R)(\bar{d}_L T^A d_R)$	\mathbf{C}
S8udRR_2122	$(\bar{c}_L T^A u_R)(\bar{s}_L T^A s_R)$	\mathbf{C}
S1udduRR_1112	$(ar{u}_L d_R)(ar{d}_L c_R)$	\mathbf{C}
S1udduRR_1222	$(ar{u}_L s_R)(ar{s}_L c_R)$	\mathbf{C}
S1udduRR_2111	$(ar{c}_L d_R)(ar{d}_L u_R)$	\mathbf{C}
S1udduRR_2221	$(\bar{c}_L s_R)(\bar{s}_L u_R)$	\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_2111	$(ar{c}_L T^A d_R) (ar{d}_L T^A u_R)$	\mathbf{C}
S8udduRR_2221	$(\bar{c}_L T^A s_R)(\bar{s}_L T^A u_R)$	C

sdemu

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	$(ar{e}_L \mu_R)(ar{s}_R d_L)$	\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	$(\bar{e}_L \sigma^{\mu u} \mu_R) (\bar{s}_L \sigma_{\mu u} d_R)$	\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	$(ar{\mu}_L e_R)(ar{s}_R d_L)$	$^{\mathrm{C}}$
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	$(\bar{e}_L \gamma^\mu au_L)(\bar{s}_L \gamma_\mu d_L)$	С
VedRR_1321	$(ar{e}_R \gamma^\mu au_R) (ar{s}_R \gamma_\mu d_R)$	$^{\mathrm{C}}$
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	$(ar{ au}_L e_R)(ar{d}_R s_L)$	$^{\mathrm{C}}$
SedRR_1321	$(ar{e}_L au_R)(ar{s}_Ld_R)$	$^{\mathrm{C}}$
SedRR_3112	$(ar{ au}_L e_R)(ar{d}_L s_R)$	$^{\mathrm{C}}$
TedRR_1321	$(\bar{e}_L \sigma^{\mu u} au_R) (\bar{s}_L \sigma_{\mu u} d_R)$	$^{\mathrm{C}}$
TedRR_3112	$(\bar{ au}_L \sigma^{\mu u} e_R) (\bar{d}_L \sigma_{\mu u} s_R)$	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	$(ar{ au}_L e_R)(ar{s}_R d_L)$	С
SedRR_1312	$(ar{e}_L au_R)(ar{d}_Ls_R)$	\mathbf{C}
SedRR_3121	$(ar{ au}_L e_R)(ar{s}_L d_R)$	\mathbf{C}
TedRR_1312	$(ar{e}_L\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}s_R)$	\mathbf{C}
TedRR_3121	$(ar{ au}_L\sigma^{\mu u}e_R)(ar{s}_L\sigma_{\mu u}d_R)$	\mathbf{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	$(ar{\mu}_L \gamma^\mu au_L) (ar{d}_L \gamma_\mu s_L)$	$^{\rm C}$
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	$(ar{\mu}_L au_R)(ar{d}_Rs_L)$	\mathbf{C}
SedRL_3221	$(ar{ au}_L \mu_R)(ar{s}_R d_L)$	\mathbf{C}
SedRR_2312	$(ar{\mu}_L au_R)(ar{d}_Ls_R)$	$^{\mathrm{C}}$
SedRR_3221	$(ar{ au}_L \mu_R)(ar{s}_L d_R)$	\mathbf{C}
TedRR_2312	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{d}_L \sigma_{\mu u} s_R)$	$^{\mathrm{C}}$
TedRR_3221	$(\bar{ au}_L \sigma^{\mu u} \mu_R) (\bar{s}_L \sigma_{\mu u} d_R)$	$^{\mathrm{C}}$

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	$(ar{e}_L\sigma^{\mu u}\mu_R)(ar{c}_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
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	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_L \gamma_\mu c_L)$	\mathbf{C}
VeuRR_1212	$(ar{e}_R \gamma^\mu \mu_R) (ar{u}_R \gamma_\mu c_R)$	\mathbf{C}
VeuLR_1212	$(ar{e}_L \gamma^\mu \mu_L) (ar{u}_R \gamma_\mu c_R)$	\mathbf{C}
VueLR_1212	$(\bar{u}_L \gamma^\mu c_L) (\bar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
SeuRL_1212	$(ar{e}_L\mu_R)(ar{u}_Rc_L)$	\mathbf{C}
SeuRL_2121	$(ar{\mu}_L e_R)(ar{c}_R u_L)$	\mathbf{C}
SeuRR_1212	$(ar{e}_L\mu_R)(ar{u}_Lc_R)$	\mathbf{C}
SeuRR_2121	$(ar{\mu}_L e_R)(ar{c}_L u_R)$	\mathbf{C}
TeuRR_1212	$(\bar{e}_L \sigma^{\mu\nu} \mu_R)(\bar{u}_L \sigma_{\mu\nu} c_R)$	\mathbf{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	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu u_L)$	
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	$(ar{ au}_L e_R)(ar{u}_R c_L)$	\mathbf{C}
SeuRR_1321	$(ar{e}_L au_R)(ar{c}_Lu_R)$	\mathbf{C}
SeuRR_3112	$(ar{ au}_L e_R)(ar{u}_L c_R)$	\mathbf{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	$(ar{e}_L \gamma^\mu au_L) (ar{u}_L \gamma_\mu c_L)$	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	$(\bar{\tau}_L \sigma^{\mu u} e_R)(\bar{c}_L \sigma_{\mu u} u_R)$	$^{\mathrm{C}}$

cumutau

WC name	Operator	Type
VeuLL_2321	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{c}_L \gamma_\mu u_L)$	C
VeuRR_2321	$(\bar{\mu}_R \gamma^\mu au_R)(\bar{c}_R \gamma_\mu u_R)$	\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

${\tt cutaumu}$

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
egamma_23	$ar{\mu}_L \sigma^{\mu u} au_R F_{\mu u}$	\mathbf{C}
egamma_32	$ar{ au}_L \sigma^{\mu u} \mu_R F_{\mu u}$	\mathbf{C}
VeeLL_1123	$(ar{e}_L \gamma^\mu e_L)(\dot{ar{\mu}}_L \gamma_\mu au_L)$	\mathbf{C}
VeeLL_2223	$(ar{\mu}_L \gamma^\mu \mu_L)(ar{\mu}_L \gamma_\mu au_L)$	\mathbf{C}
VeeLL_2333	$(ar{\mu}_L \gamma^\mu au_L) (ar{ au}_L \gamma_\mu au_L)$	$^{\mathrm{C}}$
VeuLL_2311	$(ar{\mu}_L \gamma^\mu au_L) (ar{u}_L \gamma_\mu u_L)$	\mathbf{C}
VeuLL_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{c}_L \gamma_\mu c_L)$	$^{\mathrm{C}}$
VedLL_2311	$(ar{\mu}_L \gamma^\mu au_L) (ar{d}_L \gamma_\mu d_L)$	$^{\mathrm{C}}$
VedLL_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{s}_L \gamma_\mu s_L)$	\mathbf{C}
VeeRR_1123	$(ar{e}_R \gamma^\mu e_R) (ar{\mu}_R \gamma_\mu au_R)$	\mathbf{C}
VeeRR_2223	$(ar{\mu}_R \gamma^\mu \mu_R) (ar{\mu}_R \gamma_\mu au_R)$	\mathbf{C}
VeeRR_2333	$(ar{\mu}_R \gamma^\mu au_R) (ar{ au}_R \gamma_\mu au_R)$	\mathbf{C}
VeuRR_2311	$(ar{\mu}_R \gamma^\mu au_R) (ar{u}_R \gamma_\mu u_R)$	\mathbf{C}
VeuRR_2322	$(ar{\mu}_R \gamma^\mu au_R) (ar{c}_R \gamma_\mu c_R)$	\mathbf{C}
VedRR_2311	$(ar{\mu}_R \gamma^\mu au_R) (d_R \gamma_\mu d_R)$	\mathbf{C}
VedRR_2322	$(ar{\mu}_R \gamma^\mu au_R) (ar{s}_R \gamma_\mu s_R)$	\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	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu au_R)$	\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	$(ar{\mu}_L \gamma^\mu au_L) (ar{ au}_R \gamma_\mu au_R)$	C
VeeLR_3323	$(ar au_L\gamma^\mu au_L)(ar\mu_R\gamma_\mu au_R)$	C
VeuLR_2311	$(ar{\mu}_L \gamma^\mu au_L)(ar{u}_R \gamma_\mu u_R)$	C
VeuLR_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{c}_R \gamma_\mu c_R)$	C
VedLR_2311	$(ar{\mu}_L \gamma^\mu au_L)(d_R \gamma_\mu d_R)$	C
VedLR_2322	$(ar{\mu}_L \gamma^\mu au_L) (ar{s}_R \gamma_\mu s_R)$	$\stackrel{ ext{C}}{\sim}$
VueLR_1123	$(\bar{u}_L \gamma^\mu u_L)(\bar{\mu}_R \gamma_\mu au_R)$	C
VueLR_2223	$(ar{c}_L\gamma^\mu c_L)(ar{\mu}_R\gamma_\mu au_R)$	C
VdeLR_1123	$(d_L\gamma^\mu d_L)(ar{\mu}_R\gamma_\mu au_R)$	$\stackrel{ ext{C}}{\sim}$
VdeLR_2223	$(ar{s}_L\gamma^\mu s_L)(ar{\mu}_R\gamma_\mu au_R)$	$\stackrel{ ext{C}}{\sim}$
SeuRL_2311	$(ar{\mu}_L au_R)(ar{u}_Ru_L)$	$\stackrel{ ext{C}}{\sim}$
SeuRL_2322	$(ar{\mu}_L au_R)(ar{c}_Rc_L)$	$\stackrel{ ext{C}}{\sim}$
SeuRL_3211	$(ar{ au}_L\mu_R)(ar{u}_Ru_L)$	$\stackrel{ ext{C}}{\sim}$
SeuRL_3222	$(ar{ au}_L\mu_R)(ar{c}_Rc_L)$	C
SedRL_2311	$(ar{\mu}_L au_R)(ar{d}_Rd_L)$	$\stackrel{ ext{C}}{\sim}$
SedRL_2322	$(ar{\mu}_L au_R)(ar{s}_Rs_L)$	C
SedRL_3211	$(ar{ au}_L\mu_R)(d_Rd_L)$	С
SedRL_3222	$(ar{ au}_L\mu_R)(ar{s}_Rs_L)$	$_{\rm C}$
SeeRR_1123	$(ar{e}_L e_R)(ar{\mu}_L au_R)$	С
SeeRR_1132	$(ar{e}_L e_R)(ar{ au}_L \mu_R)$	\mathbf{C}

WC name	Operator	Type
SeeRR_1231	$(ar{e}_L\mu_R)(ar{ au}_Le_R)$	C
SeeRR_1321	$(ar{e}_L au_R)(ar{\mu}_Le_R)$	$^{\mathrm{C}}$
SeeRR_2223	$(ar{\mu}_L\mu_R)(ar{\mu}_L au_R)$	$^{\mathrm{C}}$
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	$(ar{\mu}_L au_R)(ar{u}_Lu_R)$	\mathbf{C}
SeuRR_2322	$(ar{\mu}_L au_R)(ar{c}_Lc_R)$	$^{\mathrm{C}}$
SeuRR_3211	$(ar au_L\mu_R)(ar u_Lu_R)$	\mathbf{C}
SeuRR_3222	$(ar{ au}_L\mu_R)(ar{c}_Lc_R)$	\mathbf{C}
TeuRR_2311	$(\bar{\mu}_L \sigma^{\mu\nu} au_R) (\bar{u}_L \sigma_{\mu\nu} u_R)$	$^{\mathrm{C}}$
TeuRR_2322	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{c}_L \sigma_{\mu u} c_R)$	С
TeuRR_3211	$(\bar{ au}_L \sigma^{\mu u} \mu_R) (\bar{u}_L \sigma_{\mu u} u_R)$	С
TeuRR_3222	$(ar{ au}_L\sigma^{\mu u}\mu_R)(ar{c}_L\sigma_{\mu u}c_R)$	С
SedRR_2311	$(ar{\mu}_L au_R)(ar{d}_Ld_R)$	\mathbf{C}
SedRR_2322	$(ar{\mu}_L au_R)(ar{s}_Ls_R)$	\mathbf{C}
SedRR_3211	$(ar au_L\mu_R)(ar d_Ld_R)$	$^{\mathrm{C}}$
SedRR_3222	$(ar au_L\mu_R)(ar s_Ls_R)$	$^{\mathrm{C}}$
TedRR_2311	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{d}_L \sigma_{\mu u} d_R)$	$^{\mathrm{C}}$
TedRR_2322	$(ar{\mu}_L \sigma^{\mu u} au_R) (ar{s}_L \sigma_{\mu u} s_R)$	$^{\mathrm{C}}$
TedRR_3211	$(ar{ au}_L\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}d_R)$	\mathbf{C}
TedRR_3222	$(\bar{ au}_L \sigma^{\mu u} \mu_R)(\bar{s}_L \sigma_{\mu u} s_R)$	C

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WC name	Operator	Type
egamma_12	$ar{e}_L \sigma^{\mu u} \mu_R F_{\mu u}$	C
egamma_21	$ar{\mu}_L \sigma^{\mu u} e_R F_{\mu u}$	\mathbf{C}
VeeLL_1112	$(ar{e}_L\gamma^\mu e_L)(ar{e}_L\gamma_\mu\mu_L)$	\mathbf{C}
VeeLL_1222	$(ar{e}_L \gamma^\mu \mu_L) (ar{\mu}_L \gamma_\mu \mu_L)$	\mathbf{C}
VeeLL_1233	$(ar{e}_L \gamma^\mu \mu_L) (ar{ au}_L \gamma_\mu au_L)$	\mathbf{C}
VeuLL_1211	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_L \gamma_\mu u_L)$	\mathbf{C}
VeuLL_1222	$(ar{e}_L \gamma^\mu \mu_L) (ar{c}_L \gamma_\mu c_L)$	\mathbf{C}
VedLL_1211	$(ar{e}_L \gamma^\mu \mu_L) (ar{d}_L \gamma_\mu d_L)$	C
VedLL_1222	$(ar{e}_L \gamma^\mu \mu_L) (ar{s}_L \gamma_\mu s_L)$	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	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{\tau}_R \gamma_\mu \tau_R)$	\mathbf{C}
VeuRR_1211	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu u_R)$	\mathbf{C}
VeuRR_1222	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{c}_R \gamma_\mu c_R)$	\mathbf{C}
VedRR_1211	$(ar{e}_R \gamma^\mu \mu_R) (ar{d}_R \gamma_\mu d_R)$	C
VedRR_1222	$(ar{e}_R \gamma^\mu \mu_R) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
VeeLR_1112	$(\bar{e}_L \gamma^\mu e_L)(\bar{e}_R \gamma_\mu \mu_R)$	C
VeeLR_1211	$(ar{e}_L\gamma^\mu\mu_L)(ar{e}_R\gamma_\mu e_R)$	\mathbf{C}
VeeLR_1222	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	\mathbf{C}
VeeLR_1233	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	\mathbf{C}
VeeLR_1332	$(ar{e}_L \gamma^\mu au_L)(ar{ au}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VeeLR_2212	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VeeLR_2331	$(ar{\mu}_L \gamma^\mu au_L) (ar{ au}_R \gamma_\mu e_R)$	$^{\mathrm{C}}$
VeeLR_3312	$(ar au_L\gamma^\mu au_L)(ar e_R\gamma_\mu\mu_R)$	$^{\mathrm{C}}$
VeuLR_1211	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{u}_R \gamma_\mu u_R)$	$^{\mathrm{C}}$
VeuLR_1222	$(ar{e}_L \gamma^\mu \mu_L) (ar{c}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
VedLR_1211	$(ar{e}_L \gamma^\mu \mu_L) (ar{d}_R \gamma_\mu d_R)$	\mathbf{C}
VedLR_1222	$(ar{e}_L \gamma^\mu \mu_L)(ar{s}_R \gamma_\mu s_R)$	\mathbf{C}
VueLR_1112	$(\bar{u}_L \gamma^\mu u_L)(\bar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
VueLR_2212	$(\bar{c}_L \gamma^\mu c_L)(\bar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
VdeLR_1112	$(ar{d}_L \gamma^\mu d_L) (ar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
VdeLR_2212	$(ar{s}_L \gamma^\mu s_L) (ar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
SeuRL_1211	$(ar{e}_L\mu_R)(ar{u}_Ru_L)$	\mathbf{C}
SeuRL_1222	$(\bar{e}_L \mu_R)(\bar{c}_R c_L)$	\mathbf{C}
SeuRL_2111	$(ar{\mu}_L e_R)(ar{u}_R u_L)$	\mathbf{C}
SeuRL_2122	$(ar{\mu}_L e_R)(ar{c}_R c_L)$	\mathbf{C}
SedRL_1211	$(ar{e}_L\mu_R)(ar{d}_Rd_L)$	\mathbf{C}
SedRL_1222	$(ar{e}_L\mu_R)(ar{s}_Rs_L)$	\mathbf{C}
SedRL_2111	$(ar{\mu}_L e_R)(ar{d}_R d_L)$	\mathbf{C}
SedRL_2122	$(ar{\mu}_L e_R)(ar{s}_R s_L)$	\mathbf{C}
SeeRR_1112	$(\bar{e}_L e_R)(\bar{e}_L \mu_R)$	\mathbf{C}
SeeRR_1121	$(ar{e}_L e_R)(ar{\mu}_L e_R)$	\mathbf{C}
SeeRR_1222	$(ar{e}_L\mu_R)(ar{\mu}_L\mu_R)$	\mathbf{C}
SeeRR_1233	$(ar{e}_L\mu_R)(ar{ au}_L au_R)$	\mathbf{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	$(ar{\mu}_L au_R)(ar{ au}_Le_R)$	\mathbf{C}
SeuRR_1211	$(ar{e}_L\mu_R)(ar{u}_Lu_R)$	\mathbf{C}
SeuRR_1222	$(\bar{e}_L \mu_R)(\bar{c}_L c_R)$	\mathbf{C}
SeuRR_2111	$(ar{\mu}_L e_R)(ar{u}_L u_R)$	\mathbf{C}
SeuRR_2122	$(ar{\mu}_L e_R)(ar{c}_L c_R)$	\mathbf{C}
TeuRR_1211	$(\bar{e}_L \sigma^{\mu u} \mu_R) (\bar{u}_L \sigma_{\mu u} u_R)$	\mathbf{C}
TeuRR_1222	$(ar{e}_L\sigma^{\mu u}\mu_R)(ar{c}_L\sigma_{\mu u}c_R)$	\mathbf{C}
TeuRR_2111	$(ar{\mu}_L \sigma^{\mu u} e_R) (ar{u}_L \sigma_{\mu u} u_R)$	\mathbf{C}
TeuRR_2122	$(ar{\mu}_L \sigma^{\mu u} e_R) (ar{c}_L \sigma_{\mu u} c_R)$	$^{\mathrm{C}}$
SedRR_1211	$(ar{e}_L\mu_R)(ar{d}_Ld_R)$	\mathbf{C}
SedRR_1222	$(\bar{e}_L \mu_R)(\bar{s}_L s_R)$	\mathbf{C}
SedRR_2111	$(ar{\mu}_L e_R)(ar{d}_L d_R)$	\mathbf{C}
SedRR_2122	$(\bar{\mu}_L e_R)(\bar{s}_L s_R)$	\mathbf{C}

WC name	Operator	Type
TedRR_1211	$(ar{e}_L\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}d_R)$	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	$(\bar{\mu}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	C

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WC name	Operator	Type
egamma_13	$\bar{e}_L \sigma^{\mu u} au_R F_{\mu u}$	C
egamma_31	$ar{ au}_L \sigma^{\mu u} e_R F_{\mu u}$	$^{\mathrm{C}}$
VeeLL_1113	$(ar{e}_L\gamma^\mu e_L)(ar{e}_L\gamma_\mu au_L)$	C
VeeLL_1223	$(ar{e}_L \gamma^\mu \mu_L) (ar{\mu}_L \gamma_\mu au_L)$	C
VeeLL_1333	$(ar{e}_L \gamma^\mu au_L) (ar{ au}_L \gamma_\mu au_L)$	$^{\mathrm{C}}$
VeuLL_1311	$(\bar{e}_L \gamma^\mu au_L)(\bar{u}_L \gamma_\mu u_L)$	$^{\mathrm{C}}$
VeuLL_1322	$(ar{e}_L \gamma^\mu au_L) (ar{c}_L \gamma_\mu c_L)$	$^{\mathrm{C}}$
VedLL_1311	$(ar{e}_L \gamma^\mu au_L) (ar{d}_L \gamma_\mu d_L)$	$^{\mathrm{C}}$
VedLL_1322	$(ar{e}_L \gamma^\mu au_L) (ar{s}_L \gamma_\mu s_L)$	\mathbf{C}
VeeRR_1113	$(ar{e}_R\gamma^\mu e_R)(ar{e}_R\gamma_\mu au_R)$	\mathbf{C}
VeeRR_1223	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{\mu}_R \gamma_\mu au_R)$	\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	$(ar{e}_R \gamma^\mu au_R) (ar{s}_R \gamma_\mu s_R)$	$^{\mathrm{C}}$
VeeLR_1113	$(ar{e}_L \gamma^\mu e_L) (ar{e}_R \gamma_\mu au_R)$	\mathbf{C}
VeeLR_1223	$(ar{e}_L \gamma^\mu \mu_L) (ar{\mu}_R \gamma_\mu au_R)$	\mathbf{C}
VeeLR_1311	$(ar{e}_L \gamma^\mu au_L) (ar{e}_R \gamma_\mu e_R)$	\mathbf{C}
VeeLR_1322	$(ar{e}_L \gamma^\mu au_L) (ar{\mu}_R \gamma_\mu \mu_R)$	\mathbf{C}
VeeLR_1333	$(ar{e}_L \gamma^\mu au_L) (ar{ au}_R \gamma_\mu au_R)$	\mathbf{C}
VeeLR_2213	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{e}_R \gamma_\mu au_R)$	\mathbf{C}
VeeLR_2312	$(ar{\mu}_L \gamma^\mu au_L) (ar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
VeeLR_3313	$(ar{ au}_L \gamma^\mu au_L) (ar{e}_R \gamma_\mu au_R)$	\mathbf{C}
VeuLR_1311	$(ar{e}_L \gamma^\mu au_L) (ar{u}_R \gamma_\mu u_R)$	\mathbf{C}
VeuLR_1322	$(ar{e}_L \gamma^\mu au_L) (ar{c}_R \gamma_\mu c_R)$	$^{\mathrm{C}}$
VedLR_1311	$(ar{e}_L \gamma^\mu au_L) (ar{d}_R \gamma_\mu d_R)$	\mathbf{C}
VedLR_1322	$(ar{e}_L \gamma^\mu au_L) (ar{s}_R \gamma_\mu s_R)$	\mathbf{C}
VueLR_1113	$(\bar{u}_L \gamma^\mu u_L)(\bar{e}_R \gamma_\mu au_R)$	\mathbf{C}
VueLR_2213	$(ar{c}_L \gamma^\mu c_L) (ar{e}_R \gamma_\mu au_R)$	\mathbf{C}
VdeLR_1113	$(ar{d}_L \gamma^\mu d_L) (ar{e}_R \gamma_\mu au_R)$	\mathbf{C}
VdeLR_2213	$(\bar{s}_L \gamma^\mu s_L)(\bar{e}_R \gamma_\mu \tau_R)$	\mathbf{C}
SeuRL_1311	$(ar{e}_L au_R)(ar{u}_Ru_L)$	$^{\mathrm{C}}$
SeuRL_1322	$(ar{e}_L au_R)(ar{c}_Rc_L)$	\mathbf{C}

WC name	Operator	Type
SeuRL_3111	$(\bar{\tau}_L e_R)(\bar{u}_R u_L)$	C
SeuRL_3122	$(ar{ au}_L e_R)(ar{c}_R c_L)$	$^{\mathrm{C}}$
SedRL_1311	$(ar{e}_L au_R)(ar{d}_Rd_L)$	\mathbf{C}
SedRL_1322	$(ar{e}_L au_R)(ar{s}_Rs_L)$	$^{\mathrm{C}}$
SedRL_3111	$(ar{ au}_L e_R)(ar{d}_R d_L)$	$^{\mathrm{C}}$
SedRL_3122	$(ar{ au}_L e_R)(ar{s}_R s_L)$	\mathbf{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	$(ar{\mu}_L\mu_R)(ar{ au}_Le_R)$	$^{\mathrm{C}}$
SeeRR_3133	$(ar{ au}_L e_R)(ar{ au}_L au_R)$	C
SeuRR_1311	$(ar{e}_L au_R)(ar{u}_Lu_R)$	$^{\mathrm{C}}$
SeuRR_1322	$(ar{e}_L au_R)(ar{c}_Lc_R)$	$^{\mathrm{C}}$
SeuRR_3111	$(ar{ au}_L e_R)(ar{u}_L u_R)$	C
SeuRR_3122	$(ar{ au}_L e_R)(ar{c}_L c_R)$	C
TeuRR_1311	$(ar{e}_L\sigma^{\mu u} au_R)(ar{u}_L\sigma_{\mu u}u_R)$	\mathbf{C}
TeuRR_1322	$(\bar{e}_L \sigma^{\mu u} au_R) (\bar{c}_L \sigma_{\mu u} c_R)$	\mathbf{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	$(ar{e}_L au_R)(d_Ld_R)$	\mathbf{C}
SedRR_1322	$(ar{e}_L au_R)(ar{s}_Ls_R)$	$^{\mathrm{C}}$
SedRR_3111	$(ar{ au}_L e_R)(ar{d}_L d_R)$	\mathbf{C}
SedRR_3122	$(ar{ au}_L e_R)(ar{s}_L s_{ar{R}})$	\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_3111	$(ar au_L\sigma^{\mu u}e_R)(ar d_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$
TedRR_3122	$(\bar{\tau}_L \sigma^{\mu\nu} e_R)(\bar{s}_L \sigma_{\mu\nu} s_R)$	С

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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}
SeeRR_3131	$(\bar{ au}_L e_R)(\bar{ au}_L e_R)$	\mathbf{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

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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	$(\bar{\mu}_L e_R)(\bar{\mu}_L e_R)$	\mathbf{C}

${\tt muemutau}$

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	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{\tau}_R \gamma_\mu \mu_R)$	$^{\mathrm{C}}$
VeeLR_2321	$(\bar{\mu}_L \gamma^\mu \tau_L)(\bar{\mu}_R \gamma_\mu e_R)$	\mathbf{C}
SeeRR_1232	$(\bar{e}_L \mu_R)(\bar{ au}_L \mu_R)$	\mathbf{C}
SeeRR_2123	$(\bar{\mu}_L e_R)(\bar{\mu}_L \tau_R)$	С

${\tt etauemu}$

WC name	Operator	Type
VeeLL_1213	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_L \gamma_\mu \tau_L)$	С
VeeRR_1213	$(\bar{e}_R \gamma^\mu \mu_R)(\bar{e}_R \gamma_\mu \tau_R)$	\mathbf{C}
VeeLR_1213	$(\bar{e}_L \gamma^\mu \mu_L)(\bar{e}_R \gamma_\mu \tau_R)$	\mathbf{C}
VeeLR_1312	$(\bar{e}_L \gamma^\mu \tau_L)(\bar{e}_R \gamma_\mu \mu_R)$	\mathbf{C}
SeeRR_1213	$(\bar{e}_L \mu_R)(\bar{e}_L \tau_R)$	\mathbf{C}
SeeRR_2131	$(\bar{\mu}_L e_R)(\bar{\tau}_L e_R)$	С

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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	$(\bar{e}_L au_R)(\bar{\mu}_L au_R)$	\mathbf{C}
SeeRR_3132	$(\bar{\tau}_L e_R)(\bar{\tau}_L \mu_R)$	\mathbf{C}

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WC name	Operator	Type
VnunuLL_1112	$(\bar{ u}_{eL}\gamma^{\mu} u_{eL})(\bar{ u}_{eL}\gamma_{\mu} u_{\mu L})$	$^{\rm C}$
VnunuLL_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{\mu L}\gamma_{\mu} u_{\mu L})$	\mathbf{C}
VnunuLL_1233	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{ au L}\gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_1113	$(\bar{ u}_{eL}\gamma^{\mu} u_{eL})(\bar{ u}_{eL}\gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_1223	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{\mu L}\gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_1333	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ u}_{ au L}\gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_1123	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{ u}_{\mu L}\gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_2223	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (\bar{ u}_{\mu L} \gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_2333	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (\bar{ u}_{ au L} \gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_1232	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{ au L}\gamma_{\mu} u_{\mu L})$	\mathbf{C}
VnunuLL_1323	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ u}_{\mu L}\gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_1213	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{eL}\gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_1212	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ u}_{eL}\gamma_{\mu} u_{\mu L})$	\mathbf{C}
VnunuLL_1313	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ u}_{eL}\gamma_{\mu} u_{ au L})$	\mathbf{C}
VnunuLL_2323	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (\bar{ u}_{\mu L} \gamma_{\mu} u_{ au L})$	\mathbf{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	$(\bar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (\bar{e}_L \gamma_{\mu} \mu_L)$	$^{\mathrm{C}}$
VnueLR_1112	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{eL})(\bar{e}_R\gamma_{\mu}\mu_R)$	$^{\mathrm{C}}$
VnueLR_2212	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{e}_R \gamma_{\mu} \mu_R)$	$^{\mathrm{C}}$
VnueLR_3312	$(\bar{\nu}_{\tau L} \gamma^{\mu} \nu_{\tau L}) (\bar{e}_R \gamma_{\mu} \mu_R)$	$^{\mathrm{C}}$
VnueLL_1212	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{e}_{L}\gamma_{\mu}\mu_{L})$	\mathbf{C}
VnueLR_1212	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{\mu L})(\bar{e}_R\gamma_{\mu}\mu_R)$	$^{\mathrm{C}}$
VnueLL_1312	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{e}_{L}\gamma_{\mu}\mu_{L})$	$^{\mathrm{C}}$

WC name	Operator	Type
VnueLR_1312	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{e}_{R}\gamma_{\mu}\mu_{R})$	$^{\mathrm{C}}$
VnueLL_2321	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_L \gamma_{\mu} e_L)$	$^{\mathrm{C}}$
VnueLR_2321	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_R \gamma_{\mu} e_R)$	$^{\mathrm{C}}$
VnueLL_1221	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{\mu}_{L}\gamma_{\mu}e_{L})$	$^{\mathrm{C}}$
VnueLR_1221	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{\mu}_{R}\gamma_{\mu}e_{R})$	$^{\mathrm{C}}$
VnueLL_1321	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{\mu}_{L}\gamma_{\mu}e_{L})$	$^{\mathrm{C}}$
VnueLR_1321	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{\mu}_{R}\gamma_{\mu}e_{R})$	$^{\mathrm{C}}$
VnueLL_2312	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{e}_L \gamma_{\mu} \mu_L)$	$^{\mathrm{C}}$
VnueLR_2312	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (\bar{e}_R \gamma_{\mu} \mu_R)$	$^{\mathrm{C}}$

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WC name	Operator	Type
VnueLL_1123	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{\mu}_{L}\gamma_{\mu} au_{L})$	С
VnueLL_2223	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{\mu}_L \dot{\gamma}_{\mu} au_L)$	\mathbf{C}
VnueLL_3323	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{\mu}_{L} \gamma_{\mu} au_{L})$	\mathbf{C}
VnueLR_1123	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{\mu}_{R}\gamma_{\mu} au_{R})$	\mathbf{C}
VnueLR_2223	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{\mu}_R \gamma_{\mu} au_R)$	\mathbf{C}
VnueLR_3323	$(ar u_{ au L} \gamma^\mu u_{ au L}) (ar\mu_R \gamma_\mu au_R)$	\mathbf{C}
VnueLL_1232	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ au}_{L}\gamma_{\mu}\mu_{L})$	\mathbf{C}
VnueLR_1232	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ au}_{R}\gamma_{\mu}\mu_{R})$	\mathbf{C}
VnueLL_1332	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ au}_{L}\gamma_{\mu}\mu_{L})$	\mathbf{C}
VnueLR_1332	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ au}_{R}\gamma_{\mu}\mu_{R})$	\mathbf{C}
VnueLL_2323	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_L \gamma_{\mu} au_L)$	\mathbf{C}
VnueLR_2323	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_R \gamma_{\mu} au_R)$	\mathbf{C}
VnueLL_1223	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{\mu}_{L}\gamma_{\mu} au_{L})$	\mathbf{C}
VnueLR_1223	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{\mu}_{R}\gamma_{\mu} au_{R})$	$^{\mathrm{C}}$
VnueLL_1323	$(ar u_{eL}\gamma^\mu u_{ au L})(ar\mu_L\gamma_\mu au_L)$	$^{\mathrm{C}}$
VnueLR_1323	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{\mu}_{R}\gamma_{\mu} au_{R})$	$^{\mathrm{C}}$
VnueLL_2332	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{ au}_L \gamma_{\mu} \mu_L)$	\mathbf{C}
VnueLR_2332	$(\bar{\nu}_{\mu L} \gamma^{\mu} \nu_{\tau L})(\bar{\tau}_R \gamma_{\mu} \mu_R)$	С

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WC name	Operator	Type
VnueLL_1113	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{e}_{L}\gamma_{\mu} au_{L})$	С
VnueLL_2213	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{e}_L \gamma_{\mu} au_L)$	$^{\mathrm{C}}$
VnueLL_3313	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{e}_L \gamma_{\mu} au_L)$	$^{\mathrm{C}}$
VnueLR_1113	$(\bar{ u}_{eL}\gamma^{\mu} u_{eL})(\bar{e}_{R}\gamma_{\mu} au_{R})$	$^{\mathrm{C}}$
VnueLR_2213	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{e}_R \gamma_{\mu} au_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
VnueLR_3313	$(\bar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (\bar{e}_R \gamma_{\mu} au_R)$	$^{\mathrm{C}}$
VnueLL_1231	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ au}_{L}\gamma_{\mu}e_{L})$	$^{\mathrm{C}}$
VnueLR_1231	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{ au}_{R}\gamma_{\mu}e_{R})$	$^{\mathrm{C}}$
VnueLL_1331	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ au}_{L}\gamma_{\mu}e_{L})$	$^{\mathrm{C}}$
VnueLR_1331	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{ au}_{R}\gamma_{\mu}e_{R})$	$^{\mathrm{C}}$
VnueLL_2313	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{e}_L \gamma_{\mu} au_L)$	$^{\mathrm{C}}$
VnueLR_2313	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{e}_R \gamma_{\mu} au_R)$	$^{\mathrm{C}}$
VnueLL_1213	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{e}_{L}\gamma_{\mu} au_{L})$	$^{\mathrm{C}}$
VnueLR_1213	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{e}_{R}\gamma_{\mu} au_{R})$	$^{\mathrm{C}}$
VnueLL_1313	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{e}_{L}\gamma_{\mu} au_{L})$	$^{\mathrm{C}}$
VnueLR_1313	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{e}_{R}\gamma_{\mu} au_{R})$	$^{\mathrm{C}}$
VnueLL_2331	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{ au}_{L} \gamma_{\mu} e_{L})$	$^{\mathrm{C}}$
VnueLR_2331	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (\bar{ au}_R \gamma_{\mu} e_R)$	C

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WC name	Operator	Type
egamma_11	$ar{e}_L \sigma^{\mu u} e_R F_{\mu u}$	\overline{C}
egamma_22	$ar{\mu}_L \sigma^{\mu u} \mu_R \dot{F}_{\mu u}$	\mathbf{C}
egamma_33	$ar{ au}_L \sigma^{\mu u} au_R F_{\mu u}$	С
ugamma_11	$ar{u}_L \sigma^{\mu u} u_R F_{\mu u}$	С
ugamma_22	$ar{c}_L \sigma^{\mu u} c_R F_{\mu u}$	С
dgamma_11	$ar{d}_L \sigma^{\mu u} d_R F_{\mu u}$	\mathbf{C}
dgamma_22	$\bar{s}_L \sigma^{\mu u} s_R F_{\mu u}$	С
uG_11	$ar{u}_L \sigma^{\mu u} T^A u_R G^A_{\mu u}$	С
uG_22	$egin{aligned} ar{u}_L \sigma^{\mu u} T^A u_R G^A_{\mu u} \ ar{c}_L \sigma^{\mu u} T^A c_R G^A_{\mu u} \end{aligned}$	\mathbf{C}
dG_11	$\bar{d}_L \sigma^{\mu\nu} T^A d_R G^A_{\mu\nu}$	\mathbf{C}
dG_22	$ar{s}_L \sigma^{\mu u} T^A s_R G^A_{\mu u}$	\mathbf{C}
G	$ar{s}_L \sigma^{\mu u} T^A s_R G^A_{\mu u} \ f^{ABC} G^{A u}_\mu G^{B ho}_ u G^{C\mu}$	R
Gtilde	$f^{ABC}\widetilde{G}^{A u}_{\mu}G^{B ho}_{ u}G^{C\mu}_{ ho}$	${ m R}$
VnunuLL_1111	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{ u}_{eL}\gamma_{\mu} u_{eL})$	R
VnunuLL_1122	$(\bar{ u}_{eL}\gamma^{\mu} u_{eL})(\bar{ u}_{\mu L}\gamma_{\mu} u_{\mu L})$	R
VnunuLL_1133	$(\bar{ u}_{eL}\gamma^{\mu} u_{eL})(\bar{ u}_{\tau L}\gamma_{\mu} u_{\tau L})$	R
VnunuLL_2222	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{ u}_{\mu L} \gamma_{\mu} u_{\mu L})$	R
VnunuLL_2233	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{ u}_{ au L} \gamma_{\mu} u_{ au L})$	R
VnunuLL_3333	$(ar u_{ au L} \gamma^\mu u_{ au L}) (ar u_{ au L} \gamma_\mu u_{ au L})$	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_1133	$(ar{e}_L \gamma^\mu e_L) (ar{ au}_L \gamma_\mu au_L)$	R
VeeLL_2222	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{\mu}_L \gamma_\mu \mu_L)$	R
VeeLL_2233	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\tau}_L \gamma_\mu \tau_L)$	R
VeeLL_3333	$(ar{ au}_L\gamma^\mu au_L)(ar{ au}_L\gamma_\mu au_L)$	R

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	WC name	Operator	Type
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnueLL 1111	-	
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$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnueLL_3333		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnuuLL_1111		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnuuLL_1122		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnuuLL_2211		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnuuLL_2222		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$			R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnuuLL_3322		R
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$\begin{array}{llllllllllllllllllllllllllllllllllll$			R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnudLL_2211		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnudLL_2222		R
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VnudLL_3311		R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VnudLL_3322		R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_1111	· · · · · · · · · · · · · · · · · · ·	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_1122		R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_2211		R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_2222	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{c}_L \gamma_\mu c_L)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_3311	$(ar au_L\gamma^\mu au_L)(ar u_L\gamma_\mu u_L)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VeuLL_3322	$(ar au_L\gamma^\mu au_L)(ar c_L\gamma_\mu c_L)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VedLL_1111	$(ar{e}_L \gamma^\mu e_L) (ar{d}_L \gamma_\mu d_L)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VedLL_1122	$(ar{e}_L\gamma^\mu e_L)(ar{s}_L\gamma_\mu s_L)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VedLL_2211	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{d}_L \gamma_\mu d_L)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VedLL_2222		R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VedLL_3311		R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VedLL_3322	· · · · · · · · · · · · · · · · · · ·	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VuuLL_1111		${ m R}$
$\begin{array}{llllllllllllllllllllllllllllllllllll$	VuuLL_1122	$(\bar{u}_L \gamma^\mu u_L)(\bar{c}_L \gamma_\mu c_L)$	R
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	VuuLL_1221	$(ar{u}_L \gamma^\mu c_L) (ar{c}_L \gamma_\mu u_L)$	R
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	VuuLL_2222		R
$\begin{array}{lll} \text{VddLL_1221} & (\bar{d}_L\gamma^\mu s_L)(\bar{s}_L\gamma_\mu d_L) & \text{R} \\ \text{VddLL_2222} & (\bar{s}_L\gamma^\mu s_L)(\bar{s}_L\gamma_\mu s_L) & \text{R} \\ \text{V1udLL_1111} & (\bar{u}_L\gamma^\mu u_L)(\bar{d}_L\gamma_\mu d_L) & \text{R} \end{array}$	VddLL_1111	$(ar{d}_L\gamma^\mu d_L)(ar{d}_L\gamma_\mu d_L)$	R
$\begin{array}{ll} \text{VddLL_2222} & (\bar{s}_L\gamma^\mu s_L)(\bar{s}_L\gamma_\mu s_L) \\ \text{V1udLL_1111} & (\bar{u}_L\gamma^\mu u_L)(\bar{d}_L\gamma_\mu d_L) \end{array} \qquad $	VddLL_1122	$(ar{d}_L\gamma^\mu d_L)(ar{s}_L\gamma_\mu s_L)$	R
V1udLL_1111 $(\bar{u}_L\gamma^\mu u_L)(\bar{d}_L\gamma_\mu d_L)$ R	VddLL_1221	$(ar{d}_L \gamma^\mu s_L) (ar{s}_L \gamma_\mu d_L)$	R
V1udLL_1111 $(\bar{u}_L \gamma^\mu u_L)(\bar{d}_L \gamma_\mu d_L)$ R	VddLL_2222	$(ar{s}_L \gamma^\mu s_L) (ar{s}_L \gamma_\mu s_L)$	R
- · · · · · · · · · · · · · · · · · · ·	V1udLL_1111		R
	V1udLL_1122		R

WC name	Operator	Type
V1udLL_2211	$(ar{c}_L \gamma^\mu c_L) (ar{d}_L \gamma_\mu d_L)$	R
V1udLL_2222	$(ar{c}_L \gamma^\mu c_L) (ar{s}_L \gamma_\mu s_L)$	R
V8udLL_1111	$(ar{u}_L \gamma^\mu T^A u_L) (ar{d}_L \gamma_\mu T^A d_L)$	R
V8udLL_1122	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{s}_L \gamma_\mu T^A s_L)$	R
V8udLL_2211	$(ar{c}_L \gamma^\mu T^A c_L) (ar{d}_L \gamma_\mu T^A d_L)$	R
V8udLL_2222	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{s}_L \gamma_\mu T^A s_L)$	R
VeeRR_1111	$(\bar{e}_R\gamma^\mu e_R)(\bar{e}_R\gamma_\mu e_R)$	R
VeeRR_1122	$(\bar{e}_R \gamma^\mu e_R)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VeeRR_1133	$(ar{e}_R \gamma^\mu e_R) (ar{ au}_R \gamma_\mu au_R)$	R
VeeRR_2222	$(ar{\mu}_R \gamma^\mu \mu_R) (ar{\mu}_R \gamma_\mu \mu_R)$	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	$(\bar{e}_R \gamma^\mu e_R)(\bar{u}_R \gamma_\mu u_R)$	R
VeuRR_1122	$(ar{e}_R \gamma^\mu e_R) (ar{c}_R \gamma_\mu c_R)$	R
VeuRR_2211	$(\bar{\mu}_R \gamma^\mu \mu_R)(\bar{u}_R \gamma_\mu u_R)$	R
VeuRR_2222	$(ar{\mu}_R \gamma^\mu \mu_R) (ar{c}_R \gamma_\mu c_R)$	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	$(ar{e}_R \gamma^\mu e_R) (ar{d}_R \gamma_\mu d_R)$	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
VedRR_3311	$(ar{ au}_R \gamma^\mu au_R) (ar{d}_R \gamma_\mu d_R)$	R
VedRR_3322	$(ar{ au}_R \gamma^\mu au_R) (ar{s}_R \gamma_\mu s_R)$	R
VuuRR_1111	$(\bar{u}_R \gamma^\mu u_R)(\bar{u}_R \gamma_\mu u_R)$	R
VuuRR_1122	$(\bar{u}_R \gamma^\mu u_R)(\bar{c}_R \gamma_\mu c_R)$	R
VuuRR_1221	$(ar{u}_R \gamma^\mu c_R) (ar{c}_R \gamma_\mu u_R)$	R
VuuRR_2222	$(ar{c}_R \gamma^\mu c_R) (ar{c}_R \gamma_\mu c_R)$	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_1221	$(ar{d}_R \gamma^\mu s_R) (ar{s}_R \gamma_\mu d_R)$	R
VddRR_2222	$(ar{s}_R \gamma^\mu s_R) (ar{s}_R \gamma_\mu s_R)$	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
V1udRR_2211	$(ar{c}_R \gamma^\mu c_R) (ar{d}_R \gamma_\mu d_R)$	R
V1udRR_2222	$(ar{c}_R \gamma^\mu c_R)(ar{s}_R \gamma_\mu s_R)$	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_2211	$(\bar{c}_R\gamma^\mu T^Ac_R)(\bar{d}_R\gamma_\mu T^Ad_R)$	${ m R}$
V8udRR_2222	$(\bar{c}_R \gamma^\mu T^A c_R) (\bar{s}_R \gamma_\mu T^A s_R)$	${ m R}$
VnueLR_1111	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{e}_{R}\gamma_{\mu}e_{R})$	R
VnueLR_1122	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{\mu}_{R}\gamma_{\mu}\mu_{R})$	${ m R}$
VnueLR_1133	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{ au}_{R}\gamma_{\mu} au_{R})$	R

WC name	Operator	Type
VnueLR_2211	$(\bar{\nu}_{\mu L} \gamma^{\mu} \nu_{\mu L}) (\bar{e}_R \gamma_{\mu} e_R)$	R
VnueLR_2222	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{\mu}_R \gamma_{\mu} \mu_R)$	\mathbf{R}
VnueLR_2233	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{ au}_R \gamma_{\mu} au_R)$	\mathbf{R}
VnueLR_3311	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{e}_R \gamma_{\mu} e_R)$	\mathbf{R}
VnueLR_3322	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{\mu}_R \gamma_{\mu} \mu_R)$	\mathbf{R}
VnueLR_3333	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{ au}_R \gamma_{\mu} au_R)$	\mathbf{R}
VeeLR_1111	$(ar{e}_L \gamma^\mu e_L)(ar{e}_R \gamma_\mu e_R)$	\mathbf{R}
VeeLR_1122	$(ar{e}_L \gamma^\mu e_L)(ar{\mu}_R \gamma_\mu \mu_R)$	\mathbf{R}
VeeLR_1133	$(ar{e}_L \gamma^\mu e_L) (ar{ au}_R \gamma_\mu au_R)$	\mathbf{R}
VeeLR_1221	$(ar{e}_L\gamma^\mu\mu_L)(ar{\mu}_R\gamma_\mu e_R)$	С
VeeLR_1331	$(ar{e}_L \gamma^\mu au_L)(ar{ au}_R \gamma_\mu e_R)$	\mathbf{C}
VeeLR_2211	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{e}_R \gamma_\mu e_R)$	R
VeeLR_2222	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R
VeeLR_2233	$(ar{\mu}_L \gamma^\mu \mu_L) (ar{ au}_R \gamma_\mu au_R)$	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	$(\bar{ u}_{eL}\gamma^{\mu} u_{eL})(\bar{u}_R\gamma_{\mu}u_R)$	R
VnuuLR_1122	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{c}_{R}\gamma_{\mu}c_{R})$	R
VnuuLR_2211	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{u}_R \gamma_{\mu} u_R)$	R
VnuuLR_2222	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{c}_R \gamma_{\mu} c_R)$	R
VnuuLR_3311	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{u}_R \gamma_{\mu} u_R)$	R
VnuuLR_3322	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{c}_R \gamma_{\mu} c_R)$	R
VnudLR_1111	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(d_R\gamma_{\mu}d_R)$	R
VnudLR_1122	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{s}_{R}\gamma_{\mu}s_{R})$	R
VnudLR_2211	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (d_R \gamma_{\mu} d_R)$	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
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	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{u}_R \gamma_\mu u_R)$	R
VeuLR_2222	$(\bar{\mu}_L \gamma^\mu \mu_L)(\bar{c}_R \gamma_\mu c_R)$	R
VeuLR_3311	$(ar{ au}_L \gamma^\mu au_L) (ar{u}_R \gamma_\mu u_R)$	R
VeuLR_3322	$(\bar{\tau}_L \gamma^\mu au_L)(\bar{c}_R \gamma_\mu c_R)$	R
VedLR_1111	$(ar{e}_L \gamma^\mu e_L) (d_R \gamma_\mu d_R)$	R
VedLR_1122	$(\bar{e}_L \gamma^\mu e_L)(\bar{s}_R \gamma_\mu s_R)$	R
VedLR_2211	$(\bar{\mu}_L \gamma^\mu \mu_L)(d_R \gamma_\mu d_R)$	R
VedLR_2222	$(ar{\mu}_L\gamma^\mu\mu_L)(ar{s}_R\gamma_\mu s_R)$	R
VedLR_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
VueLR_1111	$(\bar{u}_L\gamma^\mu u_L)(\bar{e}_R\gamma_\mu e_R)$	R
VueLR_1122	$(\bar{u}_L \gamma^\mu u_L)(\bar{\mu}_R \gamma_\mu \mu_R)$	R

WC name	Operator	Type
VueLR_1133	$(\bar{u}_L \gamma^\mu u_L)(\bar{\tau}_R \gamma_\mu \tau_R)$	R
VueLR_2211	$(ar{c}_L \gamma^\mu c_L) (ar{e}_R \gamma_\mu e_R)$	R
VueLR_2222	$(ar{c}_L \gamma^\mu c_L) (ar{\mu}_R \gamma_\mu \mu_R)$	${ m R}$
VueLR_2233	$(ar{c}_L \gamma^\mu c_L) (ar{ au}_R \gamma_\mu au_R)$	R
VdeLR_1111	$(ar{d}_L \gamma^\mu d_L) (ar{e}_R \gamma_\mu e_R)$	${ m R}$
VdeLR_1122	$(ar{d}_L \gamma^\mu d_L) (ar{\mu}_R \gamma_\mu \mu_R)$	R
VdeLR_1133	$(ar{d}_L \gamma^\mu d_L) (ar{ au}_R \gamma_\mu au_R)$	R
VdeLR_2211	$(ar{s}_L \gamma^\mu s_L) (ar{e}_R \gamma_\mu e_R)$	R
VdeLR_2222	$(ar{s}_L \gamma^\mu s_L)(ar{\mu}_R \gamma_\mu \mu_R)$	R
VdeLR_2233	$(ar{s}_L \gamma^\mu s_L)(ar{ au}_R \gamma_\mu au_R)$	${ m R}$
V1uuLR_1111	$(\bar{u}_L \gamma^\mu u_L)(\bar{u}_R \gamma_\mu u_R)$	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	$(\bar{c}_L \gamma^\mu c_L)(\bar{u}_R \gamma_\mu u_R)$	R
V1uuLR_2222	$(ar{c}_L \gamma^\mu c_L) (ar{c}_R \gamma_\mu c_R)$	R
V8uuLR_1111	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8uuLR_1122	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{c}_R \gamma_\mu T^A c_R)$	R
V8uuLR_1221	$(\bar{u}_L \gamma^\mu T^A c_L)(\bar{c}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8uuLR_2211	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8uuLR_2222	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{c}_R \gamma_\mu T^A c_R)$	R
V1udLR_1111	$(ar{u}_L \gamma^\mu u_L) (ar{d}_R \gamma_\mu d_R)$	R
V1udLR_1122	$(ar{u}_L \gamma^\mu u_L) (ar{s}_R \gamma_\mu s_R)$	R
V1udLR_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
V8udLR_1111	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8udLR_1122	$(\bar{u}_L \gamma^\mu T^A u_L)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V8udLR_2211	$(ar{c}_L \gamma^\mu T^A c_L) (ar{d}_R \gamma_\mu T^A d_R)$	R
V8udLR_2222	$(\bar{c}_L \gamma^\mu T^A c_L)(\bar{s}_R \gamma_\mu T^A s_R)$	R
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	$(ar{s}_L \gamma^\mu s_L) (ar{u}_R \gamma_\mu u_R)$	R
V1duLR_2222	$(ar{s}_L \gamma^\mu s_L)(ar{c}_R \gamma_\mu c_R)$	R
V8duLR_1111	$(\bar{d}_L \gamma^\mu T^A d_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8duLR_1122	$(ar{d}_L \gamma^\mu T^A d_L) (ar{c}_R \gamma_\mu T^A c_R)$	${ m R}$
V8duLR_2211	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{u}_R \gamma_\mu T^A u_R)$	R
V8duLR_2222	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{c}_R \gamma_\mu T^A c_R)$	R
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_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	$(\bar{s}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu s_R)$	${ m R}$
V8ddLR_1111	$(\bar{d}_L \gamma^\mu T^A d_L) (\bar{d}_R \gamma_\mu T^A d_R)$	${ m R}$
V8ddLR_1122	$(ar{d}_L \gamma^\mu T^A d_L) (ar{s}_R \gamma_\mu T^A s_R)$	

WC name	Operator	Type
V8ddLR_1221	$(\bar{d}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A d_R)$	C
V8ddLR_2211	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{d}_R \gamma_\mu T^A d_R)$	R
V8ddLR_2222	$(\bar{s}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A s_R)$	R
V1udduLR_1111	$(ar{u}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_1221	$(\bar{u}_L \gamma^\mu s_L)(\bar{s}_R \gamma_\mu u_R)$	\mathbf{C}
V1udduLR_2112	$(ar{c}_L \gamma^\mu d_L) (ar{d}_R \gamma_\mu c_R)$	\mathbf{C}
V1udduLR_2222	$(ar{c}_L \gamma^\mu s_L) (ar{s}_R \gamma_\mu c_R)$	\mathbf{C}
V8udduLR_1111	$(ar{u}_L \gamma^\mu T^A d_L) (ar{d}_R \gamma_\mu T^A u_R)$	\mathbf{C}
V8udduLR_1221	$(\bar{u}_L \gamma^\mu T^A s_L)(\bar{s}_R \gamma_\mu T^A u_R)$	$^{\mathrm{C}}$
V8udduLR 2112	$(\bar{c}_L \gamma^\mu T^A d_L) (\bar{d}_R \gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
V8udduLR_2222	$(ar{c}_L\gamma^\mu T^A s_L)(ar{s}_R\gamma_\mu T^A c_R)$	$^{\mathrm{C}}$
SeuRL_1111	$(ar{e}_L e_R)(ar{u}_R u_L)$	$^{\mathrm{C}}$
SeuRL_1122	$(\bar{e}_L e_R)(\bar{c}_R c_L)$	$^{\mathrm{C}}$
	$(\bar{\mu}_L \mu_R)(\bar{u}_R u_L)$	$^{\mathrm{C}}$
	$(ar{\mu}_L\mu_R)(ar{c}_Rc_L)$	$^{\mathrm{C}}$
SeuRL_3311	$(ar{ au}_L au_R)(ar{u}_Ru_L)$	$^{\mathrm{C}}$
	$(ar{ au}_L au_R)(ar{c}_Rc_L)$	$^{\mathrm{C}}$
SedRL_1111	$(ar{e}_L e_R)(ar{d}_R d_L)$	$^{\mathrm{C}}$
	$(ar{e}_L e_R)(ar{s}_R s_L)$	$^{\mathrm{C}}$
_ SedRL_2211	$(ar{\mu}_L\mu_R)(ar{d}_Rd_L)$	$^{\mathrm{C}}$
	$(ar{\mu}_L\mu_R)(ar{s}_Rs_L)$	$^{\mathrm{C}}$
_ SedRL_3311	$(ar{ au}_L au_R)(ar{d}_Rd_L)$	$^{\mathrm{C}}$
	$(ar{ au}_L au_R)(ar{s}_Rs_L)$	$^{\mathrm{C}}$
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_1133	$(ar{e}_L e_R)(ar{ au}_L au_R)$	$^{\mathrm{C}}$
SeeRR_1221	$(ar{e}_L\mu_R)(ar{\mu}_Le_R)$	$^{\mathrm{C}}$
SeeRR_1331	$(ar{e}_L au_R)(ar{ au}_Le_R)$	$^{\mathrm{C}}$
SeeRR_2222	$(\bar{\mu}_L \mu_R)(\bar{\mu}_L \mu_R)$	\mathbf{C}
SeeRR_2233	$(ar{\mu}_L\mu_R)(ar{ au}_L au_R)$	\mathbf{C}
SeeRR_2332	$(\bar{\mu}_L au_R)(\bar{ au}_L \mu_R)$	\mathbf{C}
SeeRR_3333	$(ar{ au}_L au_R)(ar{ au}_L au_R)$	\mathbf{C}
SeuRR_1111	$(ar{e}_L e_R)(ar{u}_L u_R)$	\mathbf{C}
SeuRR_1122	$(ar{e}_L e_R)(ar{c}_L c_R)$	\mathbf{C}
SeuRR_2211	$(\bar{\mu}_L \mu_R)(\bar{u}_L u_R)$	\mathbf{C}
SeuRR_2222	$(ar{\mu}_L\mu_R)(ar{c}_Lc_R)$	\mathbf{C}
SeuRR_3311	$(ar{ au}_L au_R)(ar{u}_Lu_R)$	\mathbf{C}
SeuRR_3322	$(ar{ au}_L au_R)(ar{c}_Lc_R)$	$^{\mathrm{C}}$
TeuRR_1111	$(ar{e}_L\sigma^{\mu u}e_R)(ar{u}_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$
TeuRR_1122	$(ar{e}_L\sigma^{\mu u}e_R)(ar{c}_L\sigma_{\mu u}c_R)$	\mathbf{C}
TeuRR_2211	$(\bar{\mu}_L \sigma^{\mu u} \mu_R)(\bar{u}_L \sigma_{\mu u} u_R)$	\mathbf{C}
TeuRR_2222	$(ar{\mu}_L \sigma^{\mu u} \mu_R)(ar{c}_L \sigma_{\mu u} c_R)$	\mathbf{C}
TeuRR_3311	$(\bar{ au}_L \sigma^{\mu u} au_R) (\bar{u}_L \sigma_{\mu u} u_R)$	$^{\mathrm{C}}$
TeuRR_3322	$(ar{ au}_L \sigma^{\mu u} au_R) (ar{c}_L \sigma_{\mu u} c_R)$	$^{\mathrm{C}}$

WC rome	Onemater	Tuna
WC name	Operator	Type
SedRR_1111	$(ar{e}_L e_R)(d_L d_R)$	C
SedRR_1122	$(ar{e}_L e_R)(ar{s}_L s_R)$	$^{\mathrm{C}}$
SedRR_2211	$(ar{\mu}_L \mu_R)(d_L d_R)$	C
SedRR_2222	$(ar{\mu}_L\mu_R)(ar{s}_Ls_R)$	$^{\mathrm{C}}$
SedRR_3311	$(ar{ au}_L au_R)(d_Ld_R)$	\mathbf{C}
SedRR_3322	$(ar{ au}_L au_R)(ar{s}_Ls_{ar{R}})$	\mathbf{C}
TedRR_1111	$(ar{e}_L\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}d_R)$	$^{\mathrm{C}}$
TedRR_1122	$(ar{e}_L\sigma^{\mu u}e_R)(ar{s}_{ar{L}}\sigma_{\mu u}s_R)$	$^{\mathrm{C}}$
TedRR_2211	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R)(\bar{d}_L \sigma_{\mu\nu} d_R)$	$^{\mathrm{C}}$
TedRR_2222	$(\bar{\mu}_L \sigma^{\mu\nu} \mu_R) (\bar{s}_L \sigma_{\mu\nu} s_R)$	$^{\mathrm{C}}$
TedRR_3311	$(\bar{ au}_L \sigma^{\mu u} au_R) (d_L \sigma_{\mu u} d_R)$	\mathbf{C}
TedRR_3322	$(\bar{ au}_L \sigma^{\mu u} au_R) (\bar{s}_L \sigma_{\mu u} s_R)$	\mathbf{C}
S1uuRR_1111	$(ar{u}_L u_R)(ar{u}_L u_R)$	\mathbf{C}
S1uuRR_1122	$(ar{u}_L u_R)(ar{c}_L c_R)$	$^{\mathrm{C}}$
S1uuRR_1221	$(\bar{u}_L c_R)(\bar{c}_L u_R)$	C
S1uuRR_2222	$(\bar{c}_L c_R)(\bar{c}_L c_R)$	C
S8uuRR_1111	$(\bar{u}_L T^A u_R)(\bar{u}_L T^A u_R)$	C
S8uuRR_1122	$(\bar{u}_L T^A u_R)(\bar{c}_L T^A c_R)$	C
S8uuRR_1221	$(\bar{u}_L T^A c_R)(\bar{c}_L T^A u_R)$	C
S8uuRR_2222	$(ar{c}_L T^A c_R) (ar{c}_L T^A c_R)$	C
S1udRR_1111	$(ar{u}_L u_R)(d_L d_R)$	C
S1udRR_1122	$(ar{u}_L u_R)(ar{s}_L s_R)$	C
S1udRR_2211	$(\bar{c}_L c_R)(d_L d_R)$	C
S1udRR_2222	$(ar{c}_L c_R)(ar{s}_L s_R)$	C
S8udRR_1111	$(\bar{u}_L T^A u_R)(\bar{d}_L T^A d_R)$	C
S8udRR_1122	$(\bar{u}_L T^A u_R)(\bar{s}_L T^A s_R)$	C
S8udRR_2211	$(\bar{c}_L T^A c_R)(\bar{d}_L T^A d_R)$	C
S8udRR_2222	$(ar{c}_L T^A c_R) (ar{s}_L T^A s_R)$	C
S1ddRR_1111	$(d_L d_R)(d_L d_R)$	\mathbf{C}
S1ddRR_1122	$(ar{d_L}d_R)(ar{s}_Ls_R)$	$^{\mathrm{C}}$
S1ddRR_1221	$(ar{d}_L s_R)(ar{s}_L d_R)$	$^{\mathrm{C}}$
S1ddRR_2222	$(ar{s}_L s_R)(ar{s}_L s_{ar{R}})$	$^{\mathrm{C}}$
S8ddRR_1111	$(ar{d}_L T^A d_R) (ar{d}_L T^A d_R)$	$^{\mathrm{C}}$
S8ddRR_1122	$(ar{d}_L T^A d_R) (ar{s}_L T^A s_R)$	\mathbf{C}
S8ddRR_1221	$(\bar{d}_L T^A s_R)(\bar{s}_L T^A d_R)$	$^{\mathrm{C}}$
S8ddRR_2222	$(\bar{s}_L T^A s_R)(\bar{s}_L T^A s_R)$	$^{\mathrm{C}}$
S1udduRR_1111	$(ar{u}_L d_R)(ar{d}_L u_R)$	$^{\mathrm{C}}$
S1udduRR_1221	$(ar{u}_L s_R)(ar{s}_L u_R)$	$^{\mathrm{C}}$
S1udduRR_2112	$(ar{c}_L d_R)(ar{d}_L c_R)$	$^{\mathrm{C}}$
S1udduRR_2222	$(ar{c}_L s_R)(ar{s}_L c_{R})$	\mathbf{C}
S8udduRR_1111	$(ar{u}_L T^A d_R) (ar{d}_L T^A u_R)$	\mathbf{C}
S8udduRR_1221	$(ar{u}_L T^A s_R) (ar{s}_L T^A u_R)$	\mathbf{C}
S8udduRR_2112	$(\bar{c}_L T^A d_R)(\bar{d}_L T^A c_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
S8udduRR_2222	$(\bar{c}_L T^A s_R)(\bar{s}_L T^A c_R)$	C
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}
VnueLL_1233	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ au}_{L}\gamma_{\mu} au_{L})$	\mathbf{C}
VnuuLL_1211	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{u}_{L}\gamma_{\mu}u_{L})$	\mathbf{C}
VnuuLL_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{c}_{L}\gamma_{\mu}c_{L})$	\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	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{e}_{R}\gamma_{\mu}e_{R})$	$^{\mathrm{C}}$
VnueLR_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{\mu}_{R}\gamma_{\mu}\mu_{R})$	$^{\mathrm{C}}$
VnueLR_1233	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{ au}_{R}\gamma_{\mu} au_{R})$	$^{\mathrm{C}}$
VnuuLR_1211	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{u}_R\gamma_{\mu}u_R)$	$^{\mathrm{C}}$
VnuuLR_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{c}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
VnudLR_1211	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{d}_R\gamma_{\mu}d_R)$	$^{\mathrm{C}}$
VnudLR_1222	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{s}_{R}\gamma_{\mu}s_{R})$	$^{\mathrm{C}}$
VnueLL_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{e}_{L}\gamma_{\mu}e_{L})$	$^{\mathrm{C}}$
VnueLL_1322	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{\mu}_{L}\gamma_{\mu}\mu_{L})$	$^{\mathrm{C}}$
VnueLL_1333	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ au}_{L}\gamma_{\mu} au_{L})$	$^{\mathrm{C}}$
VnuuLL_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{u}_{L}\gamma_{\mu}u_{L})$	\mathbf{C}
VnuuLL_1322	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{c}_{L}\gamma_{\mu}c_{L})$	\mathbf{C}
VnudLL_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{d}_{L}\gamma_{\mu}d_{L})$	\mathbf{C}
VnudLL_1322	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{s}_{L}\gamma_{\mu}s_{L})$	\mathbf{C}
VnueLR_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{e}_{R}\gamma_{\mu}e_{R})$	\mathbf{C}
VnueLR_1322	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{\mu}_{R}\gamma_{\mu}\mu_{R})$	\mathbf{C}
VnueLR_1333	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{ au}_{R}\gamma_{\mu} au_{R})$	\mathbf{C}
VnuuLR_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{u}_{R}\gamma_{\mu}u_{R})$	\mathbf{C}
VnuuLR_1322	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{c}_{R}\gamma_{\mu}c_{R})$	$^{\mathrm{C}}$
VnudLR_1311	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(d_R\gamma_{\mu}d_R)$	\mathbf{C}
VnudLR_1322	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{s}_{R}\gamma_{\mu}s_{R})$	\mathbf{C}
VnueLL_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{e}_L \gamma_{\mu} e_L)$	\mathbf{C}
VnueLL_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_L \gamma_{\mu} \mu_L)$	\mathbf{C}
VnueLL_2333	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{ au}_L \gamma_{\mu} au_L)$	\mathbf{C}
VnuuLL_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{u}_L \gamma_{\mu} u_L)$	\mathbf{C}
VnuuLL_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{c}_{\underline{L}} \gamma_{\mu} c_{L})$	\mathbf{C}
VnudLL_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (d_L \gamma_{\mu} d_L)$	\mathbf{C}
VnudLL_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{s}_L \gamma_{\mu} s_L)$	\mathbf{C}
VnueLR_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{e}_R \gamma_{\mu} e_R)$	\mathbf{C}
VnueLR_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{\mu}_R \gamma_{\mu} \mu_R)$	\mathbf{C}
VnueLR_2333	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{ au}_R \gamma_{\mu} au_R)$	C
VnuuLR_2311	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (\bar{u}_R \gamma_{\mu} u_R)$	C
VnuuLR_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{c}_R \gamma_{\mu} c_R)$	C
VnudLR_2311	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{d}_R \gamma_{\mu} d_R)$	\mathbf{C}
VnudLR_2322	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{s}_R \gamma_{\mu} s_R)$	$^{\mathrm{C}}$

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

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WC name	Operator	Type
VnueduLL_1221	$(\bar{\nu}_{eL}\gamma^{\mu}\mu_{L})(\bar{s}_{L}\gamma_{\mu}u_{L})$	$^{\mathrm{C}}$
VnueduLR_1221	$(\bar{ u}_{eL}\gamma^{\mu}\mu_L)(\bar{s}_R\gamma_{\mu}u_R)$	\mathbf{C}
SnueduRL_1221	$(\bar{ u}_{eL}\mu_R)(\bar{s}_Ru_L)$	\mathbf{C}
SnueduRR_1221	$(ar{ u}_{eL}\mu_R)(ar{s}_Lu_R)$	\mathbf{C}
TnueduRR_1221	$(\bar{ u}_{eL}\sigma^{\mu u}\mu_R)(\bar{s}_L\sigma_{\mu u}u_R)$	\mathbf{C}
VnueduLL_2221	$(ar{ u}_{\mu L} \gamma^{\mu} \mu_L) (ar{s}_L \gamma_{\mu} u_L)$	$^{\mathrm{C}}$
VnueduLR_2221	$(\bar{ u}_{\mu L} \gamma^{\mu} \mu_L) (\bar{s}_R \gamma_{\mu} u_R)$	\mathbf{C}
SnueduRL_2221	$(ar{ u}_{\mu L}\mu_R)(ar{s}_R u_L)$	\mathbf{C}
SnueduRR_2221	$(ar{ u}_{\mu L}\mu_R)(ar{s}_L u_R)$	\mathbf{C}
TnueduRR_2221	$(\bar{\nu}_{\mu L} \sigma^{\mu \nu} \mu_R) (\bar{s}_L \sigma_{\mu \nu} u_R)$	\mathbf{C}
VnueduLL_3221	$(\bar{\nu}_{\tau L} \gamma^{\mu} \mu_L) (\bar{s}_L \gamma_{\mu} u_L)$	\mathbf{C}
VnueduLR_3221	$(\bar{\nu}_{\tau L} \gamma^{\mu} \mu_L)(\bar{s}_R \gamma_{\mu} u_R)$	\mathbf{C}
SnueduRL_3221	$(ar{ u}_{ au L} \mu_R)(ar{s}_R u_L)$	\mathbf{C}
SnueduRR_3221	$(ar{ u}_{ au L} \mu_R)(ar{s}_L u_R)$	\mathbf{C}
TnueduRR_3221	$(ar u_{ au L} \sigma^{\mu u} \mu_R) (ar s_L \sigma_{\mu u} u_R)$	\mathbf{C}

${\tt ustaunu}$

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

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WC name	Operator	Type
VnueduLL_1122	$(\bar{\nu}_{eL}\gamma^{\mu}e_L)(\bar{s}_L\gamma_{\mu}c_L)$	$^{\mathrm{C}}$
VnueduLR_1122	$(ar{ u}_{eL}\gamma^{\mu}e_L)(ar{s}_R\gamma_{\mu}c_R)$	\mathbf{C}
SnueduRL_1122	$(ar{ u}_{eL}e_R)(ar{s}_Rc_L)$	C
SnueduRR_1122	$(ar{ u}_{eL}e_R)(ar{s}_Lc_R)$	\mathbf{C}
TnueduRR_1122	$(ar{ u}_{eL}\sigma^{\mu u}e_R)(ar{s}_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_2122	$(ar{ u}_{\mu L} \gamma^{\mu} e_L) (ar{s}_L \gamma_{\mu} c_L)$	$^{\mathrm{C}}$
VnueduLR_2122	$(ar{ u}_{\mu L} \gamma^{\mu} e_L) (ar{s}_R \gamma_{\mu} c_R)$	C
SnueduRL_2122	$(ar{ u}_{\mu L}e_R)(ar{s}_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_2122	$(ar{ u}_{\mu L}e_R)(ar{s}_Lc_R)$	$^{\mathrm{C}}$
TnueduRR_2122	$(ar{ u}_{\mu L}\sigma^{\mu u}e_R)(ar{s}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_3122	$(ar u_{ au L} \gamma^\mu e_L) (ar s_L \gamma_\mu c_L)$	\mathbf{C}
VnueduLR_3122	$(\bar{ u}_{ au L} \gamma^{\mu} e_L) (\bar{s}_R \gamma_{\mu} c_R)$	\mathbf{C}
SnueduRL_3122	$(ar{ u}_{ au L} e_R)(ar{s}_R c_L)$	\mathbf{C}
SnueduRR_3122	$(ar{ u}_{ au L} e_R)(ar{s}_L c_R)$	$^{\mathrm{C}}$
TnueduRR_3122	$(ar{ u}_{ au L} \sigma^{\mu u} e_R) (ar{s}_L \sigma_{\mu u} c_R)$	C

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WC name	Operator	Type
VnueduLL_1222	$(\bar{\nu}_{eL}\gamma^{\mu}\mu_L)(\bar{s}_L\gamma_{\mu}c_L)$	
VnueduLR 1222	$(ar{ u}_{eL}\gamma^{\mu}\mu_{L})(ar{s}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}

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

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WC name	Operator	Type
VnueduLL_1322	$(\bar{ u}_{eL}\gamma^{\mu} au_L)(\bar{s}_L\gamma_{\mu}c_L)$	\overline{C}
VnueduLR_1322	$(ar{ u}_{eL}\gamma^{\mu} au_{L})(ar{s}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
SnueduRL_1322	$(ar{ u}_{eL} au_R)(ar{s}_Rc_L)$	\mathbf{C}
SnueduRR_1322	$(ar{ u}_{eL} au_R)(ar{s}_Lc_R)$	\mathbf{C}
TnueduRR_1322	$(ar{ u}_{eL}\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_2322	$(ar{ u}_{\mu L} \gamma^{\mu} au_L) (ar{s}_L \gamma_{\mu} c_L)$	\mathbf{C}
VnueduLR_2322	$(ar{ u}_{\mu L} \gamma^{\mu} au_L) (ar{s}_R \gamma_{\mu} c_R)$	\mathbf{C}
SnueduRL_2322	$(ar{ u}_{\mu L} au_R)(ar{s}_Rc_L)$	\mathbf{C}
SnueduRR_2322	$(ar{ u}_{\mu L} au_R)(ar{s}_L c_R)$	\mathbf{C}
TnueduRR_2322	$(ar{ u}_{\mu L}\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_3322	$(\bar{ u}_{ au L} \gamma^{\mu} au_L) (\bar{s}_L \gamma_{\mu} c_L)$	\mathbf{C}
VnueduLR_3322	$(\bar{ u}_{ au L} \gamma^{\mu} au_L) (\bar{s}_R \gamma_{\mu} c_R)$	\mathbf{C}
SnueduRL_3322	$(ar{ u}_{ au L} au_R)(ar{s}_Rc_L)$	\mathbf{C}
SnueduRR_3322	$(ar{ u}_{ au L} au_R)(ar{s}_L c_R)$	\mathbf{C}
TnueduRR_3322	$(ar{ u}_{ au L}\sigma^{\mu u} au_R)(ar{s}_L\sigma_{\mu u}c_R)$	\mathbf{C}

udenu

WC name	Operator	Type
VnueduLL_1111	$(\bar{ u}_{eL}\gamma^{\mu}e_L)(\bar{d}_L\gamma_{\mu}u_L)$	С
VnueduLR_1111	$(ar{ u}_{eL}\gamma^{\mu}e_L)(ar{d}_R\gamma_{\mu}u_R)$	\mathbf{C}
SnueduRL_1111	$(ar{ u}_{eL}e_R)(ar{d}_Ru_L)$	\mathbf{C}
SnueduRR_1111	$(ar{ u}_{eL}e_R)(ar{d}_Lu_R)$	\mathbf{C}

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

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WC name	Operator	Type
VnueduLL_1211	$(ar{ u}_{eL}\gamma^{\mu}\mu_{L})(ar{d}_{L}\gamma_{\mu}u_{L})$	C
VnueduLR_1211	$(ar{ u}_{eL}\gamma^{\mu}\mu_L)(ar{d}_R\gamma_{\mu}u_R)$	C
SnueduRL_1211	$(ar{ u}_{eL}\mu_R)(ar{d}_Ru_L)$	C
SnueduRR_1211	$(ar{ u}_{eL}\mu_R)(ar{d}_Lu_R)$	C
TnueduRR_1211	$(ar{ u}_{eL}\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}u_R)$	C
VnueduLL_2211	$(ar{ u}_{\mu L} \gamma^{\mu} \mu_L) (ar{d}_L \gamma_{\mu} u_L)$	C
VnueduLR_2211	$(ar{ u}_{\mu L} \gamma^{\mu} \mu_L) (ar{d}_R \gamma_{\mu} u_R)$	C
SnueduRL_2211	$(ar{ u}_{\mu L}\mu_R)(ar{d}_R u_L)$	C
SnueduRR_2211	$(ar{ u}_{\mu L}\mu_R)(ar{d}_L u_R)$	$^{\mathrm{C}}$
TnueduRR_2211	$(ar{ u}_{\mu L}\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}u_R)$	C
VnueduLL_3211	$(ar{ u}_{ au L} \gamma^{\mu} \mu_L) (ar{d}_L \gamma_{\mu} u_L)$	C
VnueduLR_3211	$(ar{ u}_{ au L} \gamma^{\mu} \mu_L) (ar{d}_R \gamma_{\mu} u_R)$	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	$(\bar{ u}_{ au L} \sigma^{\mu u} \mu_R) (\bar{d}_L \sigma_{\mu u} u_R)$	$^{\mathrm{C}}$

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WC name	Operator	Type
VnueduLL_1311	$(\bar{ u}_{eL}\gamma^{\mu} au_L)(\bar{d}_L\gamma_{\mu}u_L)$	C
VnueduLR_1311	$(ar{ u}_{eL}\gamma^{\mu} au_L)(ar{d}_R\gamma_{\mu}u_R)$	\mathbf{C}
SnueduRL_1311	$(ar{ u}_{eL} au_R)(ar{d}_Ru_L)$	\mathbf{C}
SnueduRR_1311	$(ar{ u}_{eL} au_R)(ar{d}_Lu_R)$	\mathbf{C}
TnueduRR 1311	$(ar{ u}_{eL}\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}u_R)$	$^{\mathrm{C}}$

WC name	Operator	Type
VnueduLL_2311	$(ar{ u}_{\mu L} \gamma^{\mu} au_L) (ar{d}_L \gamma_{\mu} u_L)$	C
VnueduLR_2311	$(ar{ u}_{\mu L} \gamma^{\mu} au_L) (ar{d}_R \gamma_{\mu} u_R)$	\mathbf{C}
SnueduRL_2311	$(ar{ u}_{\mu L} au_R)(ar{d}_Ru_L)$	\mathbf{C}
SnueduRR_2311	$(ar{ u}_{\mu L} au_R)(ar{d}_L u_R)$	\mathbf{C}
TnueduRR_2311	$(ar{ u}_{\mu L}\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}u_R)$	\mathbf{C}
VnueduLL_3311	$(ar{ u}_{ au L} \gamma^{\mu} au_L) (ar{d}_L \gamma_{\mu} u_L)$	\mathbf{C}
VnueduLR_3311	$(ar{ u}_{ au L} \gamma^{\mu} au_L) (ar{d}_R \gamma_{\mu} u_R)$	$^{\mathrm{C}}$
SnueduRL_3311	$(ar{ u}_{ au L} au_R)(ar{d}_R u_L)$	$^{\mathrm{C}}$
SnueduRR_3311	$(ar{ u}_{ au L} au_R)(ar{d}_L u_R)$	\mathbf{C}
TnueduRR_3311	$(\bar{ u}_{ au L} \sigma^{\mu u} au_R) (\bar{d}_L \sigma_{\mu u} u_R)$	$^{\mathrm{C}}$

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WC name	Operator	Type
VnueduLL_1112	$(ar{ u}_{eL}\gamma^{\mu}e_L)(ar{d}_L\gamma_{\mu}c_L)$	C
VnueduLR_1112	$(ar{ u}_{eL}\gamma^{\mu}e_L)(ar{d}_R\gamma_{\mu}c_R)$	\mathbf{C}
SnueduRL_1112	$(ar{ u}_{eL}e_R)(ar{d}_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_1112	$(ar{ u}_{eL}e_R)(ar{d}_Lc_R)$	$^{\mathrm{C}}$
TnueduRR_1112	$(ar{ u}_{eL}\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_2112	$(ar{ u}_{\mu L} \gamma^{\mu} e_L) (ar{d}_L \gamma_{\mu} c_L)$	$^{\mathrm{C}}$
VnueduLR_2112	$(ar{ u}_{\mu L} \gamma^{\mu} e_L) (ar{d}_R \gamma_{\mu} c_R)$	$^{\mathrm{C}}$
SnueduRL_2112	$(ar{ u}_{\mu L}e_R)(ar{d}_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_2112	$(ar{ u}_{\mu L}e_R)(ar{d}_Lc_R)$	$^{\mathrm{C}}$
TnueduRR_2112	$(ar{ u}_{\mu L}\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_3112	$(ar{ u}_{ au L} \gamma^{\mu} e_L) (ar{d}_L \gamma_{\mu} c_L)$	$^{\mathrm{C}}$
VnueduLR_3112	$(ar{ u}_{ au L} \gamma^{\mu} e_L) (ar{d}_R \gamma_{\mu} c_R)$	$^{\mathrm{C}}$
SnueduRL_3112	$(ar{ u}_{ au L} e_R)(ar{d}_R c_L)$	$^{\mathrm{C}}$
SnueduRR_3112	$(ar{ u}_{ au L} e_R) (ar{d}_L c_R)$	\mathbf{C}
TnueduRR_3112	$(ar{ u}_{ au L}\sigma^{\mu u}e_R)(ar{d}_L\sigma_{\mu u}c_R)$	C

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WC name	Operator	Type
VnueduLL_1212	$(ar{ u}_{eL}\gamma^{\mu}\mu_{L})(ar{d}_{L}\gamma_{\mu}c_{L})$	С
VnueduLR_1212	$(ar{ u}_{eL}\gamma^{\mu}\mu_{L})(ar{d}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
SnueduRL_1212	$(ar{ u}_{eL}\mu_R)(ar{d}_Rc_L)$	\mathbf{C}
SnueduRR_1212	$(ar{ u}_{eL}\mu_R)(ar{d}_Lc_R)$	\mathbf{C}
TnueduRR_1212	$(ar{ u}_{eL}\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_2212	$(ar{ u}_{\mu L} \gamma^{\mu} \mu_L) (ar{d}_L \gamma_{\mu} c_L)$	\mathbf{C}

WC name	Operator	Type
VnueduLR_2212	$(\bar{ u}_{\mu L} \gamma^{\mu} \mu_L) (\bar{d}_R \gamma_{\mu} c_R)$	C
SnueduRL_2212	$(ar{ u}_{\mu L}\mu_R)(ar{d}_R c_L)$	\mathbf{C}
SnueduRR_2212	$(ar{ u}_{\mu L}\mu_R)(ar{d}_L c_R)$	\mathbf{C}
TnueduRR_2212	$(ar{ u}_{\mu L}\sigma^{\mu u}\mu_R)(ar{d}_L\sigma_{\mu u}c_R)$	\mathbf{C}
VnueduLL_3212	$(ar{ u}_{ au L} \gamma^{\mu} \mu_L) (ar{d}_L \gamma_{\mu} c_L)$	\mathbf{C}
VnueduLR_3212	$(ar{ u}_{ au L} \gamma^{\mu} \mu_L) (ar{d}_R \gamma_{\mu} c_R)$	$^{\mathrm{C}}$
SnueduRL_3212	$(ar{ u}_{ au L} \mu_R) (ar{d}_R c_L)$	\mathbf{C}
SnueduRR_3212	$(ar{ u}_{ au L} \mu_R) (ar{d}_L c_R)$	\mathbf{C}
TnueduRR_3212	$(ar{ u}_{ au L} \sigma^{\mu u} \mu_R) (ar{d}_L \sigma_{\mu u} c_R)$	C

cdtaunu

WC name	Operator	Type
VnueduLL_1312	$(ar{ u}_{eL}\gamma^{\mu} au_L)(ar{d}_L\gamma_{\mu}c_L)$	\overline{C}
VnueduLR_1312	$(ar{ u}_{eL}\gamma^{\mu} au_{L})(ar{d}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
SnueduRL_1312	$(ar{ u}_{eL} au_R)(ar{d}_Rc_L)$	C
SnueduRR_1312	$(ar{ u}_{eL} au_R)(ar{d}_Lc_R)$	C
TnueduRR_1312	$(ar{ u}_{eL}\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_2312	$(ar{ u}_{\mu L} \gamma^{\mu} au_L) (ar{d}_L \gamma_{\mu} c_L)$	C
VnueduLR_2312	$(ar{ u}_{\mu L} \gamma^{\mu} au_L) (ar{d}_R \gamma_{\mu} c_R)$	C
SnueduRL_2312	$(ar{ u}_{\mu L} au_R)(ar{d}_Rc_L)$	$^{\mathrm{C}}$
SnueduRR_2312	$(ar{ u}_{\mu L} au_R)(ar{d}_L c_R)$	$^{\mathrm{C}}$
TnueduRR_2312	$(ar{ u}_{\mu L}\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}c_R)$	$^{\mathrm{C}}$
VnueduLL_3312	$(ar{ u}_{ au L} \gamma^{\mu} au_L) (ar{d}_L \gamma_{\mu} c_L)$	$^{\mathrm{C}}$
VnueduLR_3312	$(\bar{ u}_{ au L} \gamma^{\mu} au_L) (\bar{d}_R \gamma_{\mu} c_R)$	\mathbf{C}
SnueduRL_3312	$(ar{ u}_{ au L} au_R)(ar{d}_R c_L)$	\mathbf{C}
SnueduRR_3312	$(ar{ u}_{ au L} au_R)(ar{d}_L c_R)$	$^{\mathrm{C}}$
TnueduRR_3312	$(ar{ u}_{ au L}\sigma^{\mu u} au_R)(ar{d}_L\sigma_{\mu u}c_R)$	C

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WC name	Operator	Type
VnudLL_1112	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{eL})(\bar{d}_L\gamma_{\mu}s_L)$	C
VnudLL_2212	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{d}_L \gamma_{\mu} s_L)$	\mathbf{C}
VnudLL_3312	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{d}_L \gamma_{\mu} s_L)$	$^{\mathrm{C}}$
VnudLR_1112	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{d}_R\gamma_{\mu}s_R)$	$^{\mathrm{C}}$
VnudLR_2212	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{d}_R \gamma_{\mu} s_R)$	$^{\mathrm{C}}$
VnudLR_3312	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{d}_R \gamma_{\mu} s_R)$	$^{\mathrm{C}}$
VnudLL_1221	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{s}_L\gamma_{\mu}d_L)$	$^{\mathrm{C}}$

WC name	Operator	Type
VnudLR_1221	$(\bar{\nu}_{eL}\gamma^{\mu} u_{\mu L})(\bar{s}_R\gamma_{\mu}d_R)$	C
VnudLL_1321	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{s}_{L}\gamma_{\mu}d_{L})$	\mathbf{C}
VnudLR_1321	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{s}_{R}\gamma_{\mu}d_{R})$	$^{\mathrm{C}}$
VnudLL_1212	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{d}_{L}\gamma_{\mu}^{\prime}s_{L})$	\mathbf{C}
VnudLR_1212	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{d}_R\gamma_{\mu}s_R)$	$^{\mathrm{C}}$
VnudLL_2321	$(\bar{ u}_{\mu L} \gamma^{\mu} \nu_{\tau L}) (\bar{s}_L \gamma_{\mu} d_L)$	$^{\mathrm{C}}$
VnudLR_2321	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{\tau L}) (\bar{s}_R \gamma_{\mu} d_R)$	$^{\mathrm{C}}$
VnudLL_1312	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{d}_{L}\gamma_{\mu}s_{L})$	$^{\mathrm{C}}$
VnudLR_1312	$(ar{ u}_{eL}\gamma^{\mu} u_{ au L})(ar{d}_R\gamma_{\mu}s_R)$	\mathbf{C}
VnudLL_2312	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{d}_L \gamma_{\mu} s_L)$	\mathbf{C}
VnudLR_2312	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{d}_R \gamma_{\mu} s_R)$	$^{\mathrm{C}}$

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WC name	Operator	Type
VnuuLL_1112	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{eL})(\bar{u}_{L}\gamma_{\mu}c_{L})$	C
VnuuLL_2212	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{u}_L \gamma_{\mu} c_L)$	\mathbf{C}
VnuuLL_3312	$(ar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (ar{u}_L \gamma_{\mu} c_L)$	\mathbf{C}
VnuuLR_1112	$(ar{ u}_{eL}\gamma^{\mu} u_{eL})(ar{u}_{R}\gamma_{\mu}c_{R})$	$^{\mathrm{C}}$
VnuuLR_2212	$(ar{ u}_{\mu L} \gamma^{\mu} u_{\mu L}) (ar{u}_R \gamma_{\mu} c_R)$	$^{\mathrm{C}}$
VnuuLR_3312	$(\bar{ u}_{ au L} \gamma^{\mu} u_{ au L}) (\bar{u}_R \gamma_{\mu} c_R)$	$^{\mathrm{C}}$
VnuuLL_1221	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{c}_{L}\gamma_{\mu}u_{L})$	$^{\mathrm{C}}$
VnuuLR_1221	$(\bar{ u}_{eL}\gamma^{\mu} u_{\mu L})(\bar{c}_R\gamma_{\mu}u_R)$	$^{\mathrm{C}}$
VnuuLL_1321	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{c}_{L}\gamma_{\mu}u_{L})$	\mathbf{C}
VnuuLR_1321	$(\bar{ u}_{eL}\gamma^{\mu} u_{ au L})(\bar{c}_R\gamma_{\mu}u_R)$	$^{\mathrm{C}}$
VnuuLL_1212	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{u}_{L}\gamma_{\mu}c_{L})$	\mathbf{C}
VnuuLR_1212	$(ar{ u}_{eL}\gamma^{\mu} u_{\mu L})(ar{u}_{R}\gamma_{\mu}c_{R})$	\mathbf{C}
VnuuLL_2321	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{c}_L \gamma_{\mu} u_L)$	\mathbf{C}
VnuuLR_2321	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (\bar{c}_R \gamma_{\mu} u_R)$	\mathbf{C}
VnuuLL_1312	$(\bar{ u}_{eL}\gamma^{\mu} u_{\tau L})(\bar{u}_{L}\gamma_{\mu}c_{L})$	\mathbf{C}
VnuuLR_1312	$(\bar{\nu}_{eL}\gamma^{\mu}\nu_{\tau L})(\bar{u}_R\gamma_{\mu}c_R)$	\mathbf{C}
VnuuLL_2312	$(ar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (ar{u}_L \gamma_{\mu} c_L)$	\mathbf{C}
VnuuLR_2312	$(\bar{ u}_{\mu L} \gamma^{\mu} u_{ au L}) (\bar{u}_R \gamma_{\mu} c_R)$	$^{\mathrm{C}}$