

| Group          | WC                  | Operator                                                                           |
|----------------|---------------------|------------------------------------------------------------------------------------|
| $X^3$          | $c_W$               | $\epsilon^{ijk} W_\mu^{iv} W_\nu^{jp} W_\rho^{k\mu}$                               |
|                | $c_G$               | $f^{abc} G_\mu^{av} G_\nu^{bp} G_\rho^{c\mu}$                                      |
| $H^4 D^2$      | $c_{H\Box}$         | $(H^\dagger H) \Box (H^\dagger H)$                                                 |
|                | $c_{HD}$            | $(D^\mu H^\dagger H) (H^\dagger D^\mu H)$                                          |
| $X^2 H^2$      | $c_{HG}$            | $H^\dagger H G_{\mu\nu}^a G^{a,\mu\nu}$                                            |
|                | $c_{HW}$            | $H^\dagger H W_{\mu\nu}^i W^{i,\mu\nu}$                                            |
|                | $c_{HB}$            | $H^\dagger H B_{\mu\nu} B^{\mu\nu}$                                                |
|                | $c_{HWB}$           | $H^\dagger H W_{\mu\nu}^i B^{\mu\nu}$                                              |
| $\psi^2 H^3$   | $\text{Re}(c_{eH})$ | $(H^\dagger H) (\bar{I}_p e_r H)$                                                  |
|                | $\text{Re}(c_{bH})$ | $(H^\dagger H) (\bar{Q} \tilde{H} t)$                                              |
|                | $\text{Re}(c_{tH})$ | $(H^\dagger H) (\bar{Q} H b)$                                                      |
| $\psi^2 XH$    | $\text{Re}(c_{tG})$ | $(\bar{Q} \sigma^{\mu\nu} T^a t) \tilde{H} G_{\mu\nu}^a$                           |
|                | $\text{Re}(c_{tW})$ | $(\bar{Q} \sigma^{\mu\nu} t) \sigma^i \tilde{H} W_{\mu\nu}^i$                      |
|                | $\text{Re}(c_{tb})$ | $(\bar{Q} \sigma^{\mu\nu} t) \tilde{H} B_{\mu\nu}$                                 |
|                | $\text{Re}(c_{bG})$ | $(\bar{Q} \sigma^{\mu\nu} T^a b) H G_{\mu\nu}^a$                                   |
|                | $\text{Re}(c_{bW})$ | $(\bar{Q} \sigma^{\mu\nu} b) \sigma^i H W_{\mu\nu}^i$                              |
| $\psi^2 H^2 D$ | $c_{Hl}^{(1)}$      | $(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{I}_p \gamma^\mu l_r)$            |
|                | $c_{Hl}^{(3)}$      | $(H^\dagger i \overleftrightarrow{D}_\mu^i H) (\bar{I}_p \sigma^i \gamma^\mu l_r)$ |
|                | $c_{Hq}^{(1)}$      | $(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{q} \gamma^\mu q)$                |
|                | $c_{Hq}^{(3)}$      | $(H^\dagger i \overleftrightarrow{D}_\mu^i H) (\bar{q} \sigma^i \gamma^\mu q)$     |
|                | $c_{HQ}^{(1)}$      | $(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{Q} \gamma^\mu Q)$                |
|                | $c_{HQ}^{(3)}$      | $(H^\dagger i \overleftrightarrow{D}_\mu^i H) (\bar{Q} \sigma^i \gamma^\mu Q)$     |

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|------------------------|----------------------|---------------------------------------------------------------------------|
| $\psi^2 H^2 D$         | $c_{He}$             | $(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{e}_p \gamma^\mu e_r)$   |
|                        | $c_{Hu}$             | $(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{u} \gamma^\mu u)$       |
|                        | $c_{Hd}$             | $(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{d} \gamma^\mu d)$       |
|                        | $\text{Re}(c_{Htb})$ | $i (H^\dagger D_\mu H) (\bar{t} \gamma^\mu b)$                            |
|                        | $c_{Ht}$             | $(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{t} \gamma^\mu t)$       |
|                        | $c_{Hb}$             | $(H^\dagger i \overleftrightarrow{D}_\mu H) (\bar{b} \gamma^\mu b)$       |
| $(\bar{L}L)(\bar{L}L)$ | $c_{ll}^{(1)}$       | $(\bar{I}_p \gamma_\mu l_r) (\bar{I}_s \gamma^\mu l_t)$                   |
|                        | $c_{Qq}^{(11)}$      | $(\bar{Q} \gamma_\mu Q) (\bar{q} \gamma^\mu q)$                           |
|                        | $c_{Qq}^{(18)}$      | $(\bar{Q} T^a \gamma_\mu Q) (\bar{q} T^a \gamma^\mu q)$                   |
|                        | $c_{Qq}^{(31)}$      | $(\bar{Q} \sigma^i \gamma_\mu Q) (\bar{q} \sigma^i \gamma^\mu q)$         |
|                        | $c_{Qq}^{(38)}$      | $(\bar{Q} \sigma^i T^a \gamma_\mu Q) (\bar{q} \sigma^i T^a \gamma^\mu q)$ |
| $(\bar{R}R)(\bar{R}R)$ | $c_{tu}^{(1)}$       | $(\bar{t} \gamma_\mu t) (\bar{u} \gamma^\mu u)$                           |
|                        | $c_{tu}^{(8)}$       | $(\bar{t} T^a \gamma_\mu t) (\bar{u} T^a \gamma^\mu u)$                   |
|                        | $c_{td}^{(1)}$       | $(\bar{t} \gamma_\mu t) (\bar{d} \gamma^\mu d)$                           |
|                        | $c_{td}^{(8)}$       | $(\bar{t} T^a \gamma_\mu t) (\bar{d} T^a \gamma^\mu d)$                   |
| $(\bar{L}L)(\bar{R}R)$ | $c_{qt}^{(1)}$       | $(\bar{q} \gamma_\mu q) (\bar{t} \gamma^\mu t)$                           |
|                        | $c_{qt}^{(8)}$       | $(\bar{q} T^a \gamma_\mu q) (\bar{t} T^a \gamma^\mu t)$                   |
|                        | $c_{Qu}^{(1)}$       | $(\bar{Q} \gamma_\mu Q) (\bar{u} \gamma^\mu u)$                           |
|                        | $c_{Qu}^{(8)}$       | $(\bar{Q} T^a \gamma_\mu Q) (\bar{u} T^a \gamma^\mu u)$                   |
|                        | $c_{Qd}^{(1)}$       | $(\bar{Q} \gamma_\mu Q) (\bar{d} \gamma^\mu d)$                           |
|                        | $c_{Qd}^{(8)}$       | $(\bar{Q} T^a \gamma_\mu Q) (\bar{d} T^a \gamma^\mu d)$                   |