$$g_1 \to g_1$$

$$g_2 \to g_2$$

$$g_3 \to g_3$$

$$M_H^2 \to m_H^2$$

$$Y_d^{\,i1\_i2\_} \to c_\gamma \, y_d^{\,i1i2}$$

$$Y_e^{\,i1\_i2\_} \to c_\gamma \, y_e^{\,i1i2}$$

$$Y_u^{\,i1\_i2\_} \to s_\gamma \, y_u^{\,i1i2}$$

$$\lambda \to \frac{1}{4} \, c_{2\gamma}^2 \left(g_1^2 + g_2^2 \right)$$

$$C_{dH}^{\,i1\_i2\_} \to \frac{1}{8} \, s_{4\gamma} \, s_\gamma \, \frac{1}{m_\Phi^2} \, y_d^{\,i1i2} \left(g_1^2 + g_2^2 \right)$$

$$C_{eH}^{\,i1\_i2\_} \to \frac{1}{8} \, s_{4\gamma} \, s_\gamma \, \frac{1}{m_\Phi^2} \, y_e^{\,i1i2} \left(g_1^2 + g_2^2 \right)$$

$$C_H \to \frac{1}{64} \, \frac{1}{m_\Phi^2} \, s_{4\gamma}^2 \left(g_1^2 + g_2^2 \right)^2$$

$$C_{le}^{\,i1\_i2\_i3\_i4\_} \to -\frac{1}{2} \, \frac{1}{m_\Phi^2} \, s_\gamma^2 \, \overline{y_e}^{\,i2i3} \, y_e^{\,i1i4}$$

$$C_{ledq}^{\,i1\_i2\_i3\_i4\_} \to \frac{1}{m_\Phi^2} \, s_\gamma^2 \, \overline{y_d}^{\,i4i3} \, y_e^{\,i1i2}$$

$$C_{lequ}^{(1)\,i1\_i2\_i3\_i4\_} \to s_\gamma \, c_\gamma \, \frac{1}{m_\Phi^2} \, y_e^{\,i1i2} \, y_u^{\,i3i4}$$

$$C_{qd}^{(1)\,i1\_i2\_i3\_i4\_} \to -\frac{1}{6} \, \frac{1}{m_\Phi^2} \, s_\gamma^2 \, \overline{y_d}^{\,i2i3} \, y_d^{\,i1i4}$$

$$C_{qd}^{(8)\,i1\_i2\_i3\_i4\_} \to -\frac{1}{m_\Phi^2} \, s_\gamma^2 \, \overline{y_d}^{\,i2i3} \, y_d^{\,i1i4}$$

$$C_{qu}^{(1)\,i1\_i2\_i3\_i4\_} \to -\frac{1}{6} \, \frac{1}{m_\Phi^2} \, c_\gamma^2 \, \overline{y_u}^{\,i2i3} \, y_u^{\,i1i4}$$

$$C_{qu}^{(8)\,i1\_i2\_i3\_i4\_} \to -\frac{1}{m_\Phi^2} \, c_\gamma^2 \, \overline{y_u}^{\,i2i3} \, y_u^{\,i1i4}$$

$$C_{quqd}^{(1)\,i1\_i2\_i3\_i4\_} \to -s_\gamma \, c_\gamma \, \frac{1}{m_\Phi^2} \, y_d^{\,i3i4} \, y_u^{\,i1i2}$$

$$C_{uH}^{\,i1\_i2\_} \to -\frac{1}{8} \, s_{4\gamma} \, c_\gamma \, \frac{1}{m_\Phi^2} \, y_u^{\,i1i2} \left(g_1^2 + g_2^2 \right)$$