$$
\begin{aligned}
g_1 \to\ & g_1 + \\
& \hbar \left(\frac{19}{12} g_1^3 - \frac{1}{6} \sum_p g_1^3 \, \mathrm{LF}_{2,0}\left[m_{\tilde{d}}^p\right] + \frac{1}{9} \sum_p g_1^3 \, \mathrm{LF}_{3,-1}\left[m_{\tilde{d}}^p\right] - \frac{1}{2} \sum_p g_1^3 \, \mathrm{LF}_{2,0}\left[m_{\tilde{e}}^p\right] + \frac{1}{3} \sum_p g_1^3 \, \mathrm{LF}_{3,-1}\left[m_{\tilde{e}}^p\right] - \right. \\
& \frac{1}{4} \sum_p g_1^3 \, \mathrm{LF}_{2,0}\left[m_{\tilde{l}}^p\right] + \frac{1}{6} \sum_p g_1^3 \, \mathrm{LF}_{3,-1}\left[m_{\tilde{l}}^p\right] - \frac{1}{12} \sum_p g_1^3 \, \mathrm{LF}_{2,0}\left[m_{\tilde{q}}^p\right] + \\
& \frac{1}{18} \sum_p g_1^3 \, \mathrm{LF}_{3,-1}\left[m_{\tilde{q}}^p\right] - \frac{2}{3} \sum_p g_1^3 \, \mathrm{LF}_{2,0}\left[m_{\tilde{u}}^p\right] + \frac{4}{9} \sum_p g_1^3 \, \mathrm{LF}_{3,-1}\left[m_{\tilde{u}}^p\right] - \\
& \left. \frac{1}{4} g_1^3 \, \mathrm{LF}_{2,0}\left[m_{\oplus}\right] + \frac{1}{6} g_1^3 \, \mathrm{LF}_{3,-1}\left[m_{\oplus}\right] - \frac{1}{3} g_1^3 \, \mathrm{LF}_{3,-1}\left[\tilde{\mu}\right] \right)
\end{aligned}
$$