$$g_2 \to g_2 + \frac{1}{16\,\pi^2}\left(\frac{7}{12}\,{g_2}^3 - \frac{2}{3}\,{g_2}^3\,\mathrm{LF}_{3,-1}[m_2] - \frac{1}{4}\sum_p {g_2}^3\,\mathrm{LF}_{2,0}\left[{m_{\tilde{l}}}^p\right] + \frac{1}{6}\sum_p {g_2}^3\,\mathrm{LF}_{3,-1}\left[{m_{\tilde{l}}}^p\right] - \frac{3}{4}\sum_p {g_2}^3\,\mathrm{LF}_{2,0}\left[{m_{\tilde{q}}}^p\right] + \frac{1}{2}\sum_p {g_2}^3\,\mathrm{LF}_{3,-1}\left[{m_{\tilde{q}}}^p\right] - \frac{1}{4}\,{g_2}^3\,\mathrm{LF}_{2,0}[m_{\oplus}] + \frac{1}{6}\,{g_2}^3\,\mathrm{LF}_{3,-1}[m_{\oplus}] - \frac{1}{3}\,{g_2}^3\,\mathrm{LF}_{3,-1}[\tilde{\mu}]\right)$$