$$\langle\sigma\rangle = -\frac{g}{m_\Phi^2}\,\langle\bar{\psi}\psi\rangle \qquad \langle\pi_1\rangle = -\frac{g}{m_\Phi^2}\,\langle\bar{\psi}\,\gamma_5\tau_1\,\psi\rangle \qquad \langle\pi_2\rangle = -\frac{g}{m_\Phi^2}\,\langle\bar{\psi}\,\gamma_5\tau_2\,\psi\rangle \qquad \langle\pi_3\rangle = -\frac{g}{m_\Phi^2}\,\langle\bar{\psi}\,\gamma_5\tau_3\,\psi\rangle$$

$$\lambda = 0.0 \qquad g = m_\Phi^2 = 1.0 \qquad N_t = 64, N_x = 64 \qquad m_q = 0.15 \qquad N_{conf} = 10^4 \qquad \bar{\epsilon} = 0.01$$