$$\Psi_{184} = C_1 \left(|2duu\rangle + |2udu\rangle + |2uud\rangle - |d2uu\rangle + |du2u\rangle - |duu2\rangle - |u2du\rangle - |u2ud\rangle + |ud2u\rangle - |udu2\rangle + |uu2d\rangle - |uud2\rangle\right)$$

$$C_1 = \frac{-1}{2\sqrt{3}}$$