$$
\begin{aligned}
\Psi_{155} &= C_1\left(|02dd\rangle + |0dd2\rangle + |20dd\rangle + |2dd0\rangle - |d02d\rangle - |d20d\rangle + |dd02\rangle + |dd20\rangle\right) \\
&\quad + C_2\left(-|0d2d\rangle + |2d0d\rangle + |d0d2\rangle - |d2d0\rangle\right) \\
&\quad + C_3\left(-|dddu\rangle + |ddud\rangle - |dudd\rangle + |uddd\rangle\right)
\end{aligned}
$$

$$
C_1 = \frac{48\,2^{\frac{1}{3}}\,\left(1-i\sqrt{3}\right)\,t^2 + 2^{\frac{1}{3}}\,\left(1-i\sqrt{3}\right)\,U^2 + 2^{\frac{1}{3}}\,\left(1+i\sqrt{3}\right)\,\left(36\,t^2\,U - U^3 + 6\sqrt{6}\,\sqrt{-\left(t^2\,\left(512\,t^4 + 26\,t^2\,U^2 + U^4\right)\right)}\right)^{\frac{2}{3}} - 4\,U\left(72\,t^2\,U - 2\,U^3 + 12\sqrt{6}\,\sqrt{-512\,t^6 - 26\,t^4\,U^2 - t^2\,U^4}\right)^{\frac{1}{3}}}{48\,t\left(72\,t^2\,U - 2\,U^3 + 12\sqrt{6}\,\sqrt{-512\,t^6 - 26\,t^4\,U^2 - t^2\,U^4}\right)^{\frac{1}{3}}}
$$

$$
C_2 = \frac{192\,2^{\frac{2}{3}}\,\left(1+i\sqrt{3}\right)\,t^4 + 2^{\frac{1}{6}}\,\sqrt{-\left(t^2\,\left(512\,t^4 + 26\,t^2\,U^2 + U^4\right)\right)}\,\left(\left(3\,i+\sqrt{3}\right)\,U + \left(-3\,i+\sqrt{3}\right)\,\left(36\,t^2\,U - U^3 + 6\sqrt{6}\,\sqrt{-\left(t^2\,\left(512\,t^4 + 26\,t^2\,U^2 + U^4\right)\right)}\right)^{\frac{1}{3}}\right) + t^2\,\left(11\,2^{\frac{2}{3}}\,\left(1+i\sqrt{3}\right)\,U^2 + 7\,2^{\frac{2}{3}}\,\left(1-i\sqrt{3}\right)\,U\left(36\,t^2\,U - U^3 + 6\sqrt{6}\,\sqrt{-\left(t^2\,\left(512\,t^4 + 26\,t^2\,U^2 + U^4\right)\right)}\right)^{\frac{1}{3}} - 4\left(72\,t^2\right.\right.}{24\,t^2\left(72\,t^2\,U - 2\,U^3 + 12\sqrt{6}\,\sqrt{-512\,t^6 - 26\,t^4\,U^2 - t^2\,U^4}\right)^{\frac{2}{3}}}
$$

$$
C_3 = -\left(\frac{1}{2}\right)
$$