$$\Psi_{211} = C_1 \left(|2ddu\rangle + |2dud\rangle + |2udd\rangle + |d2du\rangle + |d2ud\rangle + |dd2u\rangle + |ddu2\rangle + |du2d\rangle + |dud2\rangle + |u2dd\rangle + |ud2d\rangle + |udd2\rangle\right)$$

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