$$K_{116}^{1} = \begin{bmatrix} -\mathbf{i}\sqrt{3} & \frac{\left(3-\mathbf{i}\sqrt{3}\right)U}{2\,t} \\ \frac{\frac{-\mathbf{i}}{2}\left(-3\,\mathbf{i}+\sqrt{3}\right)U}{t} & -\mathbf{i}\sqrt{3} \end{bmatrix}$$