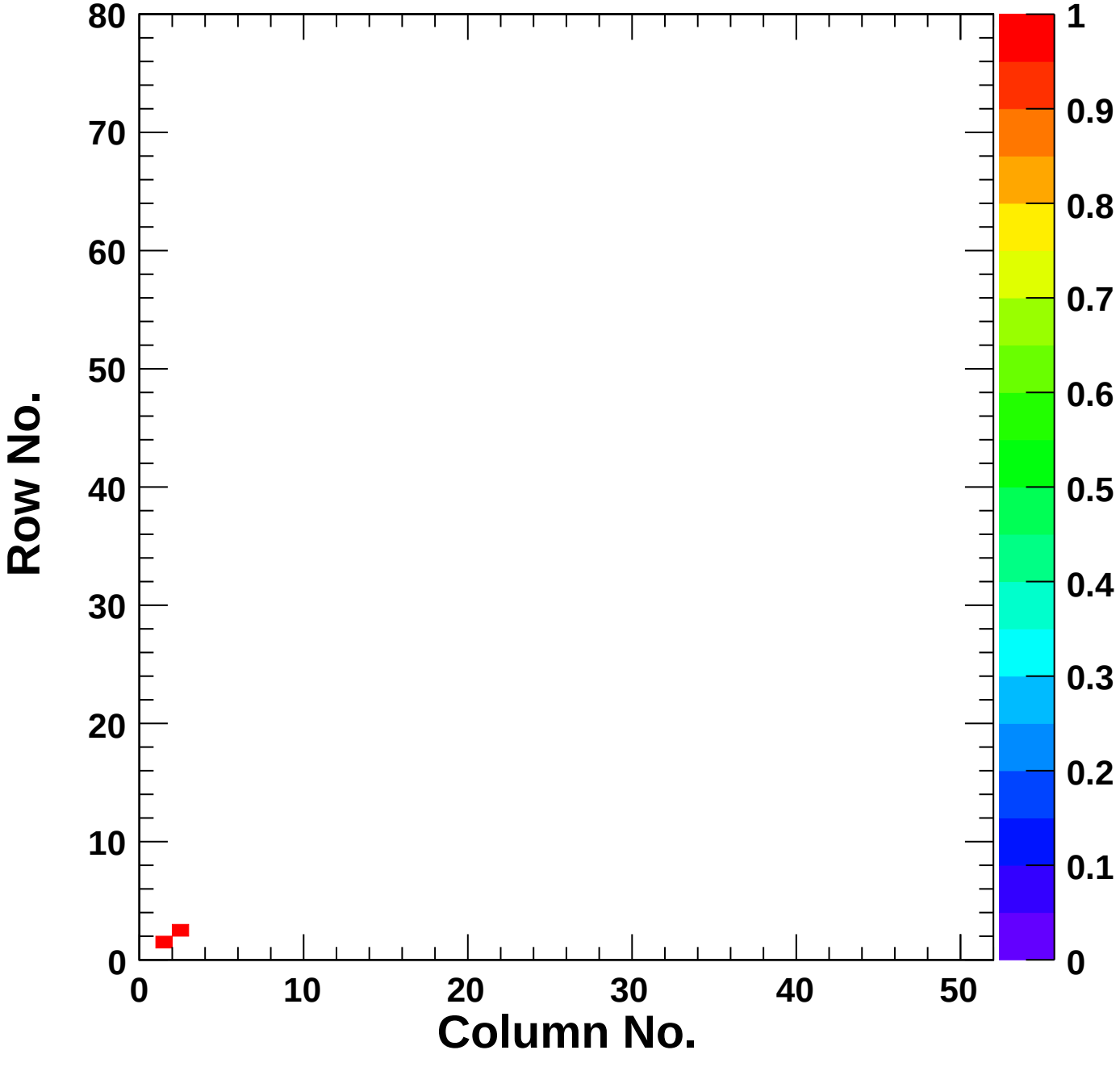BumpBondingMap