

Table 1. Properties of fluorescent proteins

	Residue changes	Extinction coefficient (M ⁻¹ cm ⁻¹)	Quantum yield (%)	Excitation peak (nm)	Emission peak (nm)	pH dependence (EC50)	Bleaching time (relative)
EBFP	F64L, Y66H, Y145F	31,000	25	383	445	5.8	3
ECFP	S65A, Y66W, S72A, N146I, M153T, V163A	26,000	40	434	477	4.7	85
EGFP	F64L, S65T	55,000	60	489	508	5.9	100
EYFP	S65G, V68L, S72A, T203Y	84,000	61	514	527	6.5	35
dsRed		72,500	68	558	583	4.3	145