

BioBrick Part Lengths

Part Name	Part Number	Length (bp)
TetR promoter	R0040	54
LacI promoter	R0010	55
λ cI promoter	R0051	49
p22 mnt promoter	R0073	67
LacI/ λ cI dual promoter	New Part	181
TetR/p22 mnt dual promoter	New Part	118
λ cI protein	C0051	750
p22 mnt protein	C0072	288
GFP	E0030	723
mCherry	J06702	869
YFP	E0030	723
RBS	B0032	13
Terminator	B1006	39

Total Length: 3929 bp

Composite Part Lengths

Part Name	Part Number	Length (bp)	Construction Method
TetR promoter & λ cI gene	New Construct	921	Cloning
LacI promoter & p22 mnt gene	New Construct	605	Synthesis
LacI/ λ cI promoter & RFP	New Construct	948	Promoter Synthesis, Cloning
TetR/p22 mnt promoter & GFP	New Construct	891	Promoter Synthesis, Cloning

Total Length: 3365

Base Vector Sizes

Plasmid Name	Part Number	Size (bp)
Low Copy BioBrick Standard Vector (Ampicillin)	pSB4A5	3395
Low Copy BioBrick Standard Vector (Chloramphenicol)	pSB4C5	3221
Low to Medium Copy BioBrick Standard Vector (Kanamycin)	pSB3K5	2936