

Inventory

Each number represents a standard biological part (biobrick, composite biobrick or devise).
Each letter represent into which plasmid the standard biological part is inserted.

Key for plasmids:

A: pSB1A2	(2079 bp)
AP: pUC57	(2710 bp)
K: pSB1K3	(2206 bp)
T: pSB1T3	(2463 bp)

Key for biobricks and composite biobricks below the hierarchy of devises:

1: DegP promoter	(BBa_239000)
2: Spy Promoter	(BBa_239001)
3: NarK promoter	(BBa_239005)
4: mNarK promoter	(BBa_239006)
5: RBS GFP Terminator	(BBa_I13504)
6: RBS YFP Terminator	(BBa_E0430)
7: RBS CFP Terminator	(BBa_E0420)
8: RBS RFP Terminator	(BBa_I13507)
9: TetR promoter	(BBa_R0040)

Key for devises:

0: LacI RBS RFP Terminator, is included in all the assembly plasmids for 3A assembly
(BBa_J04450)

15: DegP promoter RBS GFP Terminator	(BBa_239015)
25: Spy Promoter RBS GFP Terminator	(BBa_239009)
35: NarK promoter RBS GFP Terminator	(BBa_239010)
45: mNarK promoter RBS GFP Terminator	(BBa_239011)

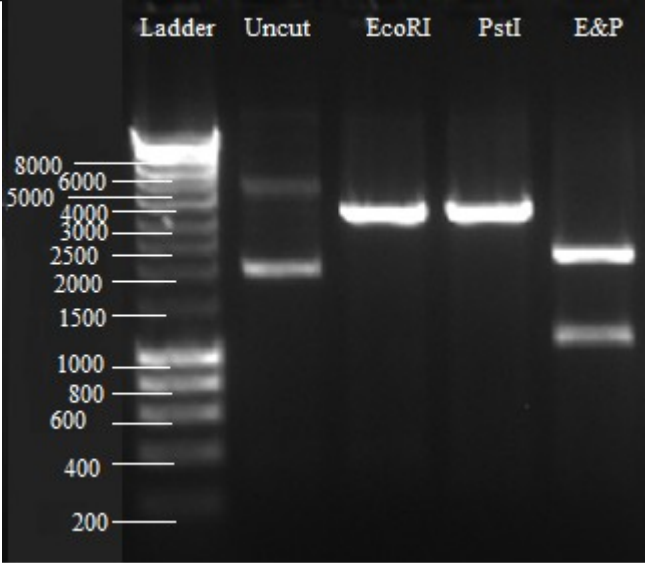
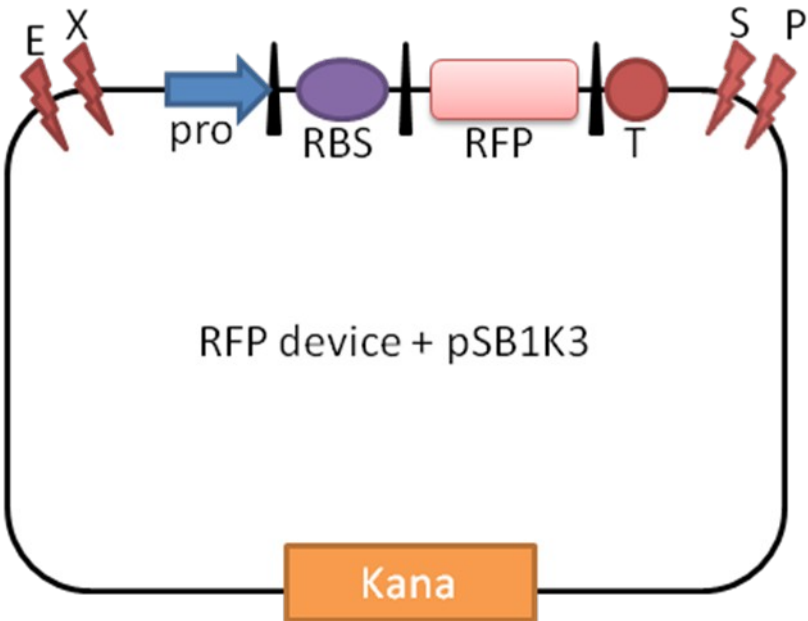
95: TetR promoter RBS GFP Terminator	(BBa_239012)
96: TetR promoter RBS YFP Terminator	(BBa_239013)
97: TetR promoter RBS CFP Terminator	(BBa_239014)

Key for gel photos:

Gel photos shown in this inventory indicated that the DNA was double digested with EcoRI and PstI restriction enzymes, unless specifically mentioned 'uncut', 'EcoRI' or 'PstI' on the picture.

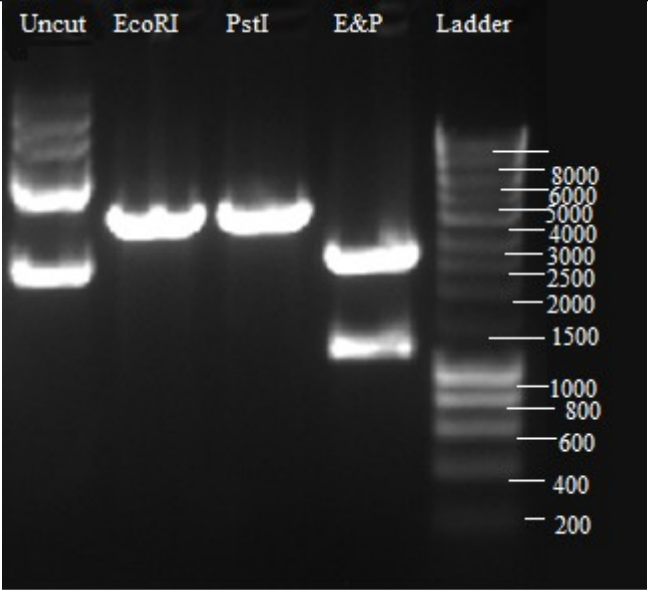
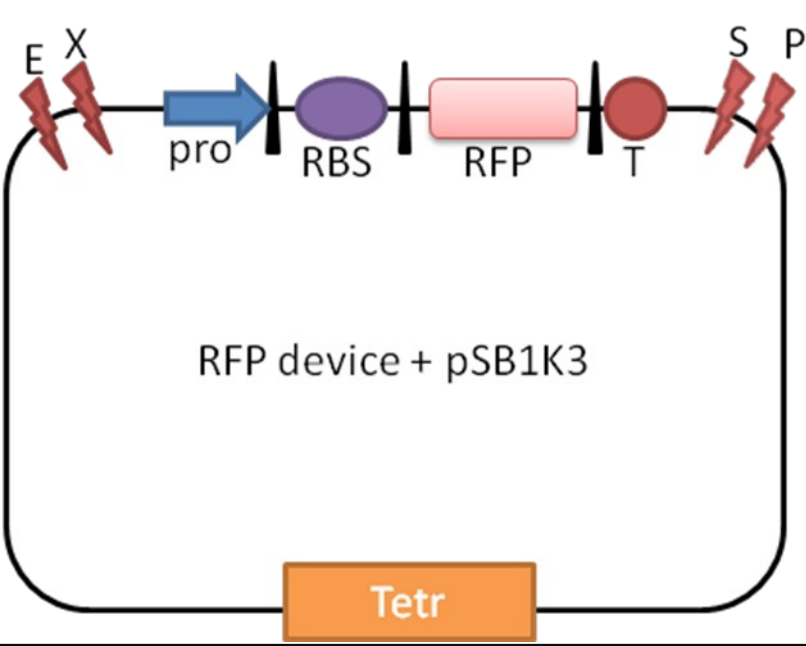
0K

Lacl RBS RFP Terminator, Kanamycin backbone

Part Name:	BBa_J04450
Device Name:	The 3A assembly devise <p(Lacl)+RFP+pSB1K3>
Gene Length:	1069
Backbone	pSB1K3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none">• Form red colonies on agar plates. Ideal backbone for ligations.• Kanamycin Resistance

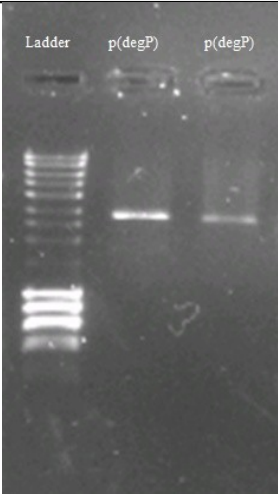
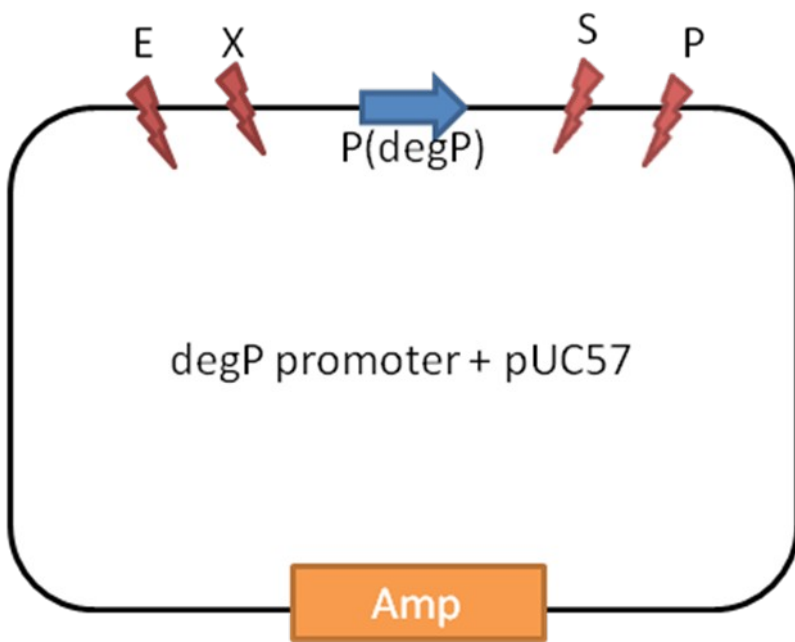
0T

Lacl RBS RFP Terminator, Tetracycline backbone

Part Name:	BBa_J04450
Device Name:	The 3A assembly devise <p(Lacl)+RFP+pSB1K3>
Gene Length:	1069
Backbone	pSB1T3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none">• Form red colonies on agar plates. Ideal backbone for ligations.• Tetracyclin Resistance

1AP

DegP promoter, pUC57

Part Name:	BBa K239000
Device Name:	Degp promoter <p(DegP)+pUC57 >
Gene Length:	233
Backbone	pUC57
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none">• Purchased from EuroGentec; non-standard backbone.• Promoter degP was too small to show on the gel.• Digest with EcoRI & SpeI when carrying out ligations.

2AP

Spy promoter, pUC57

Part Name:	BBa_K239001
Device Name:	Spy promoter <p(Spy)+pUC57 >
Gene Length:	162
Backbone	pUC57
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none"> • Purchased from EuroGentec ; non-standard backbone. • Digest with EcoRI & SpeI when carrying out ligations.

3AP

NarK promoter, pUC57

Part Name:	BBa_K239005
Device Name:	NarK promoter <p(NarK)+pUC57 >
Gene Length:	139
Backbone	pUC57
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none"> • Purchased from EuroGentec; non-standard backbone. • Digest with EcoRI & SpeI when carrying out ligations.

4AP

mNarK promoter, pUC57

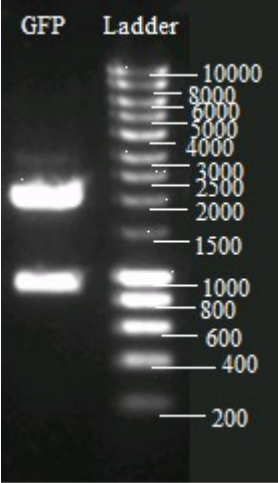
Part Name:	BBa_K239006
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Device Name:	mNarK promoter <p(mNarK)+pUC57 >
Gene Length:	89
Backbone	pUC57
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none"> • Purchased from EuroGentec; non-standard backbone. • Digest with EcoRI & SpeI when carrying out ligations.

5A

RBS GFP Terminator, Ampicilin Backbone

Part Name:	BBa I13504
Device Name:	Screening plasmid intermediate

	<GFP+pSB1A2 >
Gene Length:	875
Backbone	pSB1A2
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	<p style="text-align: center;">GFP super parts+ pSB1A2</p>
Notes:	<ul style="list-style-type: none"> • Gel is shown EcoRI & PstI double digestion. • Digest with XbaI & PstI when carrying out ligations.

6A

RBS YFP Terminator, Ampicilin Backbone

Part Name:	BBa E0430
Device Name:	EYFP (RBS+ LVA- TERM) (B0034.E0030.B0015) <YFP

	+pSB1A2 >
Gene Length:	878
Backbone	pSB1A2
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	<p>YFP super parts+ pSB1A2</p>
Notes:	<ul style="list-style-type: none"> • Gel is shown EcoRI & PstI double digestion. • Digest with XbaI & PstI when carrying out ligations.

7A

RBS CFP Terminator, Ampicilin Backbone

Part Name:	BBa E0420
Device Name:	ECFP (RBS+ LVA- TERM) (B0034.E0020.B0015)

	<CFP+pSB1A2 >
Gene Length:	878
Backbone	pSB1A2
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	<p style="text-align: center;">CFP super parts+ pSB1A2</p>
Notes:	<ul style="list-style-type: none"> • Gel is shown EcoRI & PstI double digestion. • Digest with XbaI & PstI when carrying out ligations.

8A

RBS RFP Terminator, Ampicilin Backbone

Part Name:	BBa I13507
Device Name:	Screening plasmid intermediate

	<RFP+pSB1A2 >
Gene Length:	861
Backbone	pSB1A2
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	<p>RFP super parts+ pSB1A2</p>
Notes:	<ul style="list-style-type: none"> • Gel photo missing • Digest with XbaI & PstI when carrying out ligations.

9A

TetR promoter, Ampicilin Backbone

Part Name:	BBa_R0040
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Device Name:	TetR repressible promoter <p(TetR)+pSB1A2 >
Gene Length:	54
Backbone	pSB1A2
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none"> • tetR promoter is too small to be shown on the gel. • Constitutive promoter.

15K

DegP Promoter RBS GFP Terminator, Kanamycin backbone

Part Name:	BBa_K239015
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Device Name:	Stress Light GFP Shear Stress Detector <p(DegP)+GFP +pSB1K3>
Gene Length:	1116
Backbone	pSB1K3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none"> Form a 'silent site' between degP & RBS after ligation.

25K

Spy Promoter RBS GFP Terminator, Kanamycin backbone

Part Name:	BBa_K239009
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Device Name:	Stress Light GFP Shear Stress Detector <p(spy)+GFP +pSB1K3>
Gene Length:	1045
Backbone	pSB1K3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	<ul style="list-style-type: none"> Form a 'silent site' between spy & RBS after ligation.

35K

NarK promoter RBS GFP Terminator, Kanamycin backbone

Part Name:	BBa_K239010
Device Name:	Stress Light GFP Anaerobic Metabolism Detector <p(NarK)

	+GFP+pSB1K3>
Gene Length:	1022
Backbone	pSB1K3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Construct Map:	<p>NarK&GFP device + pSB1K3</p>
Notes:	<ul style="list-style-type: none"> Form a 'silent site' between NarK & RBS after ligation.

45K

mNarK promoter RBS GFP Terminator, Kanamycin backbone

Part Name:	BBa_K239011
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Device Name:	Stress Light GFP Anaerobic Metabolism Detector 2 <p(mNarK)+GFP+pSB1K3>
Gene Length:	972
Backbone	pSB1K3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Construct Map:	<p>mNarK&GFP device + pSB1K3</p>
Notes:	<ul style="list-style-type: none"> Form a 'silent site' between mNarK & RBS after ligation.

95K

TetR Promoter RBS GFP Terminator, Kanamycin backbone

Part Name:	BBa_K239012
Device Name:	tetR constitutive GFP Device <p(TetR)+GFP+pSB1K3>
Gene Length:	937
Backbone	pSB1K3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	<p style="text-align: center;">tetR&GFP device + pSB1K3</p>
Notes:	<ul style="list-style-type: none"> • Produce very strong GFP signal.

96K

TetR Promoter RBS YFP Terminator, Kanamycin backbone

Part Name:	BBa_K239013
Device Name:	tetR constitutive YFP Device <p(TetR)+RFP+pSB1K3>
Gene Length:	940
Backbone	pSB1K3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	

97K

TetR Promoter RBS CFP Terminator, Kanamycin backbone

Part Name:	BBa_K239014
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Device Name:	tetR constitutive CFP Device <p(TetR)+CFP+pSB1K3>
Gene Length:	940
Backbone	pSB1K3
Cloning Strategy:	Standard
Gel Results:	
Plasmid Map:	
Notes:	