

-T7 promoter Agrobacterium tumefaciens bacteriophytochrome

Name - Agro\_A

gBlocks Gene Fragments 454 bases

5' - CCT TAG CTT TCG CTA AGG ATG ATT TCT GGA ATT CGC GGC CGC TTC TAG AGC TTT AAG AAG GAG  
ATA TAC ATA ATG AGT TCA CAT ACG CCG AAA CTG GAT AGT TGC GGC GCA GAG CCC ATC CAC ATT CCC  
GGT GCT ATT CAG GAA CAT GGA GCC CTT CTG GTT CTG TCC GCG CGG GAA TTT TCC GTG GTG CAG GCG  
AGC GAT AAT CTC GCC AAC TAT ATT GGT GTG GAC CTG CCA ATC GGG GCC GTT GCC ACC GAA GCA AAC  
TTG CCG TTC ATC TCC GTA CTG TCC GCC TGG TAT TCC GGC GAG GAG AGC AAT TTC CGA TAT GCC TGG  
GCC GAA AAG AAA CTC GAT GTT TCG GCG CAT CGA TCC GGG ACC TTG GTT ATT CTT GAG GTG GAA AAG  
GCA GGA GTG GGC GAA TCC GCT GAA AAG CTG ATG GGC GAA CTC ACC AGT CTG GCG AAA TAT C - 3'

### Properties

Length: 454  
Amount Delivered: 200ng  
GC Content: 53.08%  
Molecular Weight: 280415.8  
fmoles/ng: 3.57  
 $\mu\text{g}/\text{OD}_{260}$ : 50

Name - Agro\_B

gBlocks Gene Fragments 500 bases

5' - TGG GCG AAC TCA CCA GTC TGG CGA AAT ATC TGA ACA GTG CGC CGT CTC TGG AGG ACG CGC TTT  
TTC GGA CAG CGC AAC TGG TGT CTT CTA TCA GCG GTC ATG ACC GTA CAC TGA TCT ATG ATT TCG GAC  
TGG ACT GGT CTG GTC ATG TTG TGG CGG AAG CGG GAT CTG GTG CTT TGC CGT CTT ATC TCG GTC TTC GCT  
TTC CTG CGG GTG ACA TCC CTC GCG AAG CGC GGC AAC TCT ATA CAA TCA ATC GCC TGC GGA TGA TTC  
CTG ATG TTG ATT ATA AGC CTG TTC CGA TCA GAC CGG AGG TTA ATG CGG AAA CAG GAG CGG TTC TCG  
ATA TGA GCT TTT CTC AAC TTC GCT CTG TAT CTC CGG TTC ATC TCG AAT ATA TGC GCA ATA TGG GTA CTG  
CCG CTT CTA TGT CTG TTA GCA TCG TTG TTA ATG GTG CTC TCT GGG GCT TGA TTG CCT GTC ACC ACG CGA  
CAC CTC ATT CTG TAT CAT TAG CAG TTC GTG AA - 3'

### Properties

Length: 500  
Amount Delivered: 200ng  
GC Content: 51.20%  
Molecular Weight: 308831.2  
fmoles/ng: 3.24  
 $\mu\text{g}/\text{OD}_{260}$ : 50

Name - Agro\_C

gBlocks Gene Fragments 500 bases

5' - CCT CAT TCT GTA TCA TTA GCA GTT CGT GAA GCC TGT GAT TTT GCA GCG CAG CTC CTG TCG ATG CGG  
ATC GCG ATG GAG CAG AGT TCC CAG GAT GCA TCC CGC CGG GTG GAG CTT GGC CAC ATT CAG GCG CGG  
CTC TTG AAA GGC ATG GCC GCC GAA AAA TGG GTT GAT GGC CTG CTG GGA GGC GAA GGT GAA  
AGA GAA GAC CTG CTG AAA CAG GTG GGC GCG GAT GGC GCA GCA CTT GTC CTG GGC GAC GAC TAT  
GAG CTG GTC GGC AAC ACG CCC TCA CGC GAG CAG GTT GAA GAA TTG ATT CTG TGG CTT GGC GAG CGG  
GAG ATC GCC GAT GTC TTC GCG ACC GAC AAT CTT GCT GGT AAC TAC CCC ACC GCC GCG GCT TAT GCT  
TCC GTT GCG AGC GGC ATT ATC GCG ATG CGG GTT TCG GAG TTG CAC GGC AGC TGG CTC ATC TGG TTT  
CGG CCG GAA GTC ATA AAA ACA GTT CGT TGG GGT GGT GAT CCT CA - 3'

### Properties

Length: 500  
Amount Delivered: 200ng  
GC Content: 58.60%  
Molecular Weight: 308867.8  
fmoles/ng: 3.24  
 $\mu\text{g}/\text{OD}_{260}$ : 50

Name - Agro\_D

gBlocks Gene Fragments 500 bases

5' - AAA AAC AGT TCG TTG GGG TGG TGA TCC TCA CAA GAC GGT TCA GGA GTC TGG TCG TAT TCA TCC  
TCG TAA GTC CTT TGA AAT CTG GAA GGA ACA ATT GCG TAA CAC CTC CTT TCC TTG GTC AGA GCC TGA  
ACT TGC AGC AGC GCG TGA ACT TCG TGG TGC AAT CAT CGG TAT TGT CCT GCG TAA GAC AGA GGA AAT  
GGC AGA TCT GAC ACG TGA GTT GCA GCG TAC CAA TAA AGA GCT GGA AGC TTT TTC CTA TTC CGT TTC  
TCA TGA TCT GCG TGC TCC GTT CCG TCA TAT TGT CGG GTT TGC ACA GTT GTT GCG TGA GCG TTC CGA TGC  
CCT GGA TGA GAA GTC CCT GCA TTA TCT ACA GAT GAT ATC AGA GGC AGC GCT GGG TGC AGG CAG GTT  
GGT GGA TGA TCT CCT GAA TTT TTC ACA GCT TGG TCG AAC GCA ACT CAC CCT GAA ACC TGT TGA TAT  
GCA AAA AGT TGT GTC TGA AGT TCG TCG TTC CCT GTC AC - 3'

### Properties

---

Length:	500
Amount Delivered:	200ng
GC Content:	49.00%
Molecular Weight:	308820.4
fmoles/ng:	3.24
µg/OD <sub>260</sub> :	50

---

Name - Agro\_E

gBlocks Gene Fragments 490 bases

5' - TTG TGT CTG AAG TTC GTC GTT CCC TGT CAC ACG CGG TTT CCG ATC GCC AGA TCG AGT GGC GCA TCG  
GAG CGT TGC CGG TGA TAT TCG GGG ATC CGA CCC TGC TGC GGC AGG TCT GGT ACA ATC TCA TTG AAA  
ACG CCA TCA AAT ATT CGT CCC GGG AGC CGG TGT CGA TCA TCA CCA TTT CTG CGG TTG AAA CCG AGG  
ATG ACG TCA CTT ATT CGG TCG AAG ACA ATG GTG TCG GCT TTG ACA TGG CCT ATT ACA ACA AAC TTT  
TTG GCG TGT TTC AGA GGC TAC AGC GGG TGG AGG ATT TCG AGG GAA CTG GCA TTG GAC TTG CGC TGG  
TGC GAC GAA TTG TCG AAC GCC ATC ACG GTT TGG TTG GTG CCG AGG GAA CTG TCG GTG AGG GAG CCA  
CGT TCT CCT TCA CAT TGC CGG TTA CGA AAG TGG AAG AAG AAA AAA TTG CGT AAT AAT ACT AGT AGC  
GGC CGC TGC AGT CCG GCA AAA AAG GGC A - 3'

### Properties

---

Length:	490
Amount Delivered:	200ng
GC Content:	53.06%
Molecular Weight:	302661.1
fmoles/ng:	3.30
µg/OD <sub>260</sub> :	50

---