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LOCUS Exported 8442 bp ds-DNA circular SYN 27-1月-2018

DEFINITION .

ACCESSION .

VERSION .

KEYWORDS pMY305

SOURCE synthetic DNA construct

ORGANISM recombinant plasmid

REFERENCE 1 (bases 1 to 8442)

AUTHORS ZN

TITLE Direct Submission

JOURNAL Exported 2019年1月7日 from SnapGene 2.3.2

<http://www.snappgene.com>

FEATURES Location/Qualifiers

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family. Expressed in all tissues and abundant in root
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//

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pAP	pAB, XbaI/SpeI	>anneal oligo pAB-FP: ctagagAGATCTCGCGGATCCta pAB-RP: ctagtaGGATCCGCGAGATCTct >ligate with vector and transform E.Coli	Entry vector: EcoRI-XbaI-BglII-BamHI-SpeI-PstI
pAB-linker1	pAP, BglII/BamHI	>anneal oligo linker1-FP: GATCTGGTGGAGGTG linker1-RP: GATCCACCTCCACCA >ligate with vector and transform E.Coli	GGGS linker
pAP-YN-B	pAP, BglII/BamHI	>PCR by AP-GFP-F2: AGATCTGTGAGCAAGGGCGAGG AP-YN-R1: GGATCCGGCCATGATATAGAC from pC131-eYFP (Kept by XL lab) >cut by BamHI/BglII	YN155 fragment, no ATG, no stop codon.
pAB056	pAP-linker1, BamHI/PstI	>pAP-YN-B, BglII/PstI	linker1-YN
pAB057	pAP-linker1, BamHI/PstI	>pAB056, BglII/PstI	[linker1]2-YN
pAP-HA-A	pAP, BamHI/BglII	>anneal oligo myc-A-FP: agtactctagaagcgccgcgaattctgcctcgtgatacgctatatt myc-A-RP: gcttctagagtactagtagcgccgctgcaggcttctcgctcactgactc >ligate with vector and transform E.Coli	HA with ATG
pAB058	pAP-HA-A, BamHI/PstI	>pAB057, BglII/PstI	HA-[linker1]2-YN

pAB-MCSrp	pAB as PCR template	>PCR by AB-MCSrp-F1: GGAcccgggAACgtcgacgctagcagatctactagtagcggccgctgc AB-MCSrp-R1: ggtaccTCCgagctcctcgaggctagcggatcctctagaagcggccgcgaa >T4 PNK treatment and self-ligate	MCSrp
pAB-MCSrp2	pAB-MCSrp, BamHI	>anneal oligo ZN0164: gatctTGACTGACTGAg ZN0165: gatccTCAGTCAGTCAa	MCSrp2: MCSrp with tandem stop codon
pAB-HSPter	pAB, XbaI/SpeI	>PCR by AB-Thsp-F1: TCTAGAATATGAAGATGAAGATGAAA AB-Thsp-R1: ACTAGTCTTATCTTTAATCATATTCC from Col-0 gDNA	HSP18.2 terminator with HindIII/BglII/PstI mutation
pAB046	pAB-MCSrp2, SpeI/PstI	>pAB-HSPter, XbaI/PstI	MCSrp2-HSPter
pAB-HSPutr	pAB, XbaI/SpeI	>PCR by HSP18-2-5UTR-FP: TATTCTAGAcctaaatcccgcacagt HSP18-2-5UTR-RP: GCGACTAGTtgtcgtagatcggaaa from Col-0 gDNA	HSP18.2 5'UTR to enhance protein expression
pAB-d35Spro	pAB, XbaI/SpeI	>PCR by d35S-FP: CGGTCTAGATGAGACTTTTCAACAA d35S-RP: CAGACTAGTTCAGCGTGCCTCTCCA from pC131-eYFP	d35S promoter
pAB080	pAB-HSPutr, EcoRI/XbaI	>pAB-d35Spro, EcoRI/SpeI	d35Spro-HSPutr
pAB081	pAB046, EcoRI/XbaI	>pAB080, EcoRI/SpeI	d35Spro-HSPutr-MCSrp2-HSPter
pAB105	pAB081, BglII	>pAB057, BamHI/BglII	d35Spro-HSPutr-MCSrp2-HA-[linker1]2-YN-HSPter
pMY301	pER8, HindIII/Eco	>anneal oligo HiT7E-FP: agctcTAATACGACTCACTATAGGGtctagaaagcttgaattcactagtc	Backbone vector: RB-(T7-XbaI-HindIII-EcoRI-SpeI)-LB

	RI	HiT7e-RP: aattgactagtggaattcaagctttctagaCCCTATAGTGAGTCGTATTAg	
pMY305p1	pMY301, EcoRI/XbaI	>pAB106, EcoRI/SpeI	(SpeI-EcoRI-XbaI)-d35Spro-HSPutr-MCSrp2-Myc-[linker1]2 -YC-HSPter
pMY305p2	pMY305p1, XbaI/SpeI	>self-ligation	LB-(d35Spro-HSPutr-MCSrp2-HA-[linker1]2-YN-HSPter)-RB
pMY305p3	pMY305p2, XhoI/KpnI	>anneal oligo ZN0216: tcgagtctagagaattcggagagctcggaggtag ZN0217: ctccgagctctccgaattctctagac	modified MCSrp2
pMY305	pMY305p3, KpnI/SalI	>anneal oligo ZN0218: tcgacactagtaagcttTCCctgcaggttcccgggtccggtag ZN0219: cggacccgggaacctgcagGGAaagcttactagtg	LB-(d35Spro-HSPutr-MCSrp2-HA-[linker1]2-YN-HSPter)-RB