

Table S3. Plasmids

Name	Precursor	Insert, construction	Source/Reference
pUC18	-		Vieira and Messing, 1991
pSL-Nat	-	-	Brachmann, 2001
pSL-Hyg	-	-	Brachmann, 2001
pRU11	-	-	Brachmann et al. 2001
pS	-	-	Basse et al., 2002
p123	-	-	Aichinger et al. 2003
pMB2-2	-	-	Bortfeld et al. 2004
pCLN1	-	-	Bortfeld et al. 2004
pUMa520	-	-	Becht et al., 2006
pMF5-1n	-	-	Becht et al., 2006
pEP-DC-tetraCmyc	pUC18	codon usage-adapted tetra <i>myc</i> tag as <i>SbfI/NotI</i> fragment	J. Kämper, University of Karlsruhe, Germany
pMBR2	pMB2-2	<i>mtRFP-NOS</i> terminator (<i>NOST</i>), <i>NcoI-AflIII</i> <i>RFP</i> fragment with <i>NOST</i> of pUMa520 cloned into <i>NcoI-AflIII</i> cut pMB2-2	This study
pKS1	pRU11	<i>crg1</i> promoter- <i>mtGFP-NOST</i> , <i>NdeI/AflIII</i> digested PCR (primers: pril01/02, template: pMB2-2) cloned into <i>NdeI/AflIII</i> cut pRU11	This study
pKS2	pRU11	<i>crg1</i> promoter- <i>mtRFP-NOST</i> , <i>NdeI/AflIII</i> digested PCR (primers: pril01/02, template: pMBR2) cloned into <i>NdeI/AflIII</i> cut pRU11	This study
pCud1v	pRU11	<i>crg1</i> promoter- <i>dnm1</i> with 273 bp 3'-region, <i>AseI/StuI</i> digested PCR (primers: pril03/04, template: genomic <i>U. maydis</i> FB2 DNA) cloned into <i>NdeI-HindIII</i> (blunt) cut pRU11	This study
pCud1	pCud1v	<i>nat</i> cassette, <i>NotI nat</i> fragment of pSL-Nat cloned into <i>NotI</i> cut pCud1v	This study
pRU11-DL1	pRU11	linker, <i>NdeI-HindIII</i> linker fragment (pril05) cloned into <i>NdeI-HindIII</i> cut pRU11	This study
pCudg1	pRU11-DL1	<i>crg1</i> promoter- <i>dnm1-eGFP-nat</i> , <i>NcoI/SfiI</i> digested PCR (primers: pril06/07, template: genomic <i>U. maydis</i> 521 DNA) linked to <i>SfiI</i> cut <i>eGFP-nat</i> of pMF5-1n cloned into <i>NcoI/SfiI</i> cut pRU11-DL1	This study
pCV11	pEP-DC-tetraCmyc	<i>NOST</i> , <i>NotI/EcoRV NOST</i> fragment of p123 cloned into <i>NotI/EcoRV</i> cut pEP-DC-tetraCmyc	This study
pCV14vv	pCV11	<i>mrbl_N</i> with 998 bp 5'-region, <i>SbfI</i> digested PCR (primer pairs: pril08/09, pril10/11, template: pS) cloned into <i>SbfI</i> cut pCV11	This study
pCV14v	pCV14vv	<i>mrbl</i> 649 bp 3'-region, <i>EcoRV/NcoI</i> digested PCR (primers: pril12/13, template: pS) cloned into <i>EcoRV/NcoI</i> cut pCV14vv	This study
pCV14	pCV14v	<i>hyg</i> cassette, <i>NotI</i> (blunt) <i>hyg</i> fragment of pSL-Hyg cloned into <i>EcoRV</i> cut pCV14v	This study
pCV16	pCV14	<i>mrbl</i> with 998 bp 5'-region, 1821 bp <i>SbfI</i> digested PCR (primers: pril08/11, template: pS) replaced 1701 bp <i>SbfI</i> fragment of pCV14	This study
pCV25vv	pCV11	<i>lga2</i> fragment, <i>SbfI</i> digested PCR (primers: pril14/15, template: genomic <i>U. maydis</i> FB2 DNA) cloned into <i>SbfI</i> cut pCV11	This study
pCV25v	pCV25vv	<i>lga2</i> 828 bp 3'-region, <i>EcoRV/NcoI</i> digested PCR (primers: pril16/17, template: genomic <i>U. maydis</i> FB2 DNA) cloned into <i>EcoRV/NcoI</i> cut pCV25vv	This study
pCV25	pCV25v	<i>nat</i> cassette, <i>NotI</i> (blunt) <i>nat</i> fragment of pSL-Nat	This study

		cloned into <i>EcoRV</i> cut pCV25v	
pCFM1v	pRU11	<i>fzo1</i> , <i>NdeI/NsiI</i> digested PCR (primers: pril18/19, template: genomic <i>U. maydis</i> 521 DNA) linked to <i>SbfI/EcoRV myc-NOST</i> fragment of pCV11 replaced <i>NdeI/HindIII</i> (blunt) fragment of pRU11	This study
pCFM1	pCFM1v	<i>hyg</i> cassette, <i>NotI</i> (blunt) <i>hyg</i> fragment of pSL- <i>hyg</i> cloned into <i>DraIII</i> (blunt) cut pCFM1v	This study