

Plasmids	Description	Reference or source
pT7-7	General cloning vector	Tabor and Richardson, 1985
pUC4-KIXX	Source of <i>p_{aph}::KIXX</i>	Brewin et al., 1999
pDB303	Congression vector	Premakumar et al., 1994
pDB1335	Source of <i>scrX</i> deletion, <i>lacZ</i> -Kan	Johnson et al., 2006
pDB1332	Source of <i>scrX</i> deletion	Johnson et al., 2006
pFM1	pT7-7, 1534 bp and 1565 pb fragments	This work
pFM1-1	pT7-7, 1534 bp and 1565 pb fragments, <i>p_{aph}::KIXX</i> same orientation as <i>nifLA</i>	This work
pFM1-2	pT7-7, 1534 bp and 1565 pb fragments, <i>p_{aph}::KIXX</i> opposite orientation as <i>nifLA</i>	This work
pFM1-3	pT7-7, 1534 bp and 1565 pb fragments, KIXX opposite orientation as <i>nifLA</i>	This work
pFM1-4	pT7-7, 1534 bp and 1565 pb fragments <i>p_{aph}</i> opposite orientation as <i>nifLA</i>	This work
pFM1-5	pT7-7, 1534 bp fragment, <i>p_{cydAB}</i> opposite orientation as <i>nifLA</i>	This work
pFM1-6	pT7-7, 1534 bp fragment, <i>p_{cycB}</i> opposite orientation as <i>nifLA</i>	This work
pFM2	pT7-7, 2798 bp fragment	This work
pFM2-1	pT7-7, 2798 bp fragment, <i>p_{aph}::KIXX</i> same orientation as <i>nifLA</i>	This work
pFM2-2	pT7-7, 2798 bp fragment, <i>p_{aph}::KIXX</i> opposite orientation as <i>nifLA</i>	This work
pFM2-3	pT7-7, 2798 bp fragment, KIXX opposite orientation as <i>nifLA</i>	This work
pFM2-4	pT7-7, 2798 bp fragment, <i>p_{aph}</i> opposite orientation as <i>nifLA</i>	This work
pFM2-5	pT7-7, 2798 bp fragment, <i>p_{cydAB}</i> opposite orientation as <i>nifLA</i>	This work
pFM2-6	pT7-7, 2798 bp fragment, <i>p_{cycB}</i> opposite orientation as <i>nifLA</i>	This work
pFM3	pT7-7, 1534 bp and 1564 fragments	This work
pFM3-1	pT7-7, 1534 bp and 1564 fragments, <i>p_{aph}::KIXX</i> same orientation as <i>nifLA</i>	This work
pFM3-2	pT7-7, 1534 bp and 1564 fragments, <i>p_{aph}::KIXX</i> opposite orientation as <i>nifLA</i>	This work
pFM4	pDB1332, <i>p_{aph}::lacZ</i>	This work
pFM5	pDB1332, <i>p_{cydAB}::lacZ</i>	This work
pFM6	pDB1332, <i>p_{cydAB}::lacZ</i>	This work