

Gene/sgRNA for pX330 Ligation:	Fwd sgRNA Oligo (5'-3'):
<i>miR-34c-lox</i>	caccg CGATTCACAGGAGGCTCAGT
<i>UbqlnL</i> gRNA1	caccg GTTGCAGGTGTTGTGTTCTG
<i>UbqlnL</i> gRNA2	caccg GAGAGGTGAGGGCAGGCAAG
<i>UbqlnL</i> gRNA3	caccg GGTGATCGAGAGATAATACG
<i>miR-741</i> gRNA1	caccg GAGTTATGATTTCTAATTGA
<i>miR-741</i> gRNA2	caccg ATGCCATTCTATGTAGATTA
<i>miR-741</i> gRNA3	caccg GAGCCTTAATCTACATAGAA

IVT Oligo:	Sequence (5'-3'):
T7- <i>miR-34c-lox</i> gRNA Fwd	GCGTTAATACGACTCACTATAGGG CGATTCACAGGAGGCTCAGT
T7- <i>UbqlnL</i> gRNA1 Fwd	GCGTTAATACGACTCACTATAGGG GTTGCAGGTGTTGTGTTCTG
T7- <i>UbqlnL</i> gRNA2 Fwd	GCGTTAATACGACTCACTATAGGG GAGAGGTGAGGGCAGGCAAG
T7- <i>UbqlnL</i> gRNA3 Fwd	GCGTTAATACGACTCACTATAGGG GGTGATCGAGAGATAATACG
T7- <i>miR-741</i> gRNA1 Fwd	GCGTTAATACGACTCACTATAGGG GAGTTATGATTTCTAATTGA
T7- <i>miR-741</i> gRNA2 Fwd	GCGTTAATACGACTCACTATAGGG ATGCCATTCTATGTAGATTA
T7- <i>miR-741</i> gRNA3 Fwd	GCGTTAATACGACTCACTATAGGG GAGCCTTAATCTACATAGAA
pX330 Universal gRNA Rev	AAAAGCACCGACTCGGTGCC

Genotyping Gene:	Genotyping Fwd Oligo (5'-3'):
<i>miR-34c-lox</i>	ACCCACACAAATTGATACATTGT
<i>UbqlnL</i>	AGGCCTCAGCTGAGCCACAT
<i>UbqlnL</i> Deletion Fwd	TTCTGGCTGCTCTCCATCTG
<i>miR-741</i>	CAATGATCTTCCAAGGCCAC

Rev sgRNA Oligo (5'-3'):

aaacACTGAGCCTCCTGTGAATCGc
aaacCAGAACACAACACCTGCAACc
aaacCTTGCCTGCCCTCACCTCTCc
aaacCGTATTATCTCTCGATCACCCc
aaacTCAATTAGAAATCATAACTCc
aaacTAATCTACATAGAATGGCATc
aaacTTCTATGTAGATTAAGGCTCc

Genotyping Rev Oligo (5'-3'):

TTTTCTGAGTCTAGTTACTAGGC
CACTAAGGTGTCATCAGCTACTGT

GGGCAGATCTGAGAATAGGT