

## List of Primers

PL\_sense\_AatII: TCCGACGTCTAAGAAACCATTATTATC  
PL\_anti\_EcoRI: CCGGAATTCGGTCAGTGCCTCCTGCTGAT

TEF\_Sense:  
ATTGGGACAACACCAGTGAATAATTCTTCACCTTTAGACATTTTCT  
TEF\_Anti:  
ACGCCAAGCGCGCAATTAACCCTCACTAAAGGGAACAAAAGCTGGAGC  
yEC\_Sense: CGAGTTCTAGAAAAATGTCTAAAGGTGAAGAATTATTC  
yEC\_Anti: TAGCGATCGATTTATTTGTACAATTCATCCATACC

RT-PCR\_Sense: ATGGCTAGCAAAGGAGAAGA  
RT-PCR\_Anti: ATCCATGCCATGTGTAATCC

CAT\_Sense\_MluI: CGACGCGTATTTCTGCCATTCATCCGCTTATTATCA  
CAT\_Anti\_KpnI: CGGGGTACCTTTCAGGAGCTAAGGAAGCTAAAATGGA

## Integration Cassettes

### *ppc* fragment

*ppc*-*pze* Sense:  
GTTTGATAGCCCTGTATCCTTCACGTCGCATTGGCGCGAATATGCTCGGCATC  
TTCCTTTCTCCTCTTTAATGAATTCGG  
*pze*-*pkd13* shunt:  
GAAGCAGCTCCAGCCTACACTCCGACGTCTAAGAAACCATTATTA  
*pkd13* sense: GTGTAGGCTGGAGCTGCTTC  
*pkd13*-*ppc* anti:  
CATTTCCATAAGTTACGCTTATTTAAAGCGTCGTGAATTTAATGACGTAATCC  
GTCGACCTGCAGTTCGA  
verification: CCGATCCCTGGCTATGAATGC

### *dxs* fragment

*dxs*-*pze* Sense:  
TGGGTGGAGTCGACCAGTGCCAGGGTTCGGGTATTTGGCAATATCAAAACTCA  
TCACTCCTCTTTAATGAATTCGG  
*pze*-*pkd13* shunt:  
GAAGCAGCTCCAGCCTACACTCCGACGTCTAAGAAACCATTATTA  
*pkd13* sense: GTGTAGGCTGGAGCTGCTTC  
*pkd13*-*dxs* anti:  
ACTCGATACCTCGGCACTGGAAGCGCTAGCGGACTACATCATCCAGCGTAAT  
AAAATCCGTCGACCTGCAGTTCGA  
*dxs* sense: ATGAGTTTTGATATTGCCAAA