

1/8

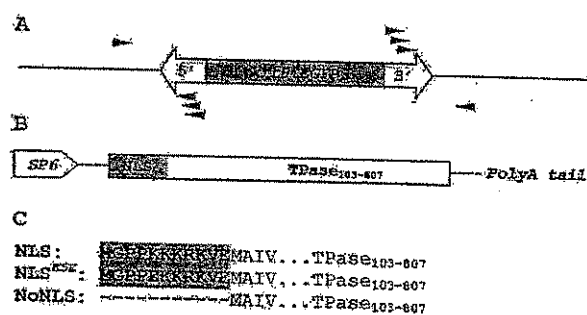


Figure 1

2/8

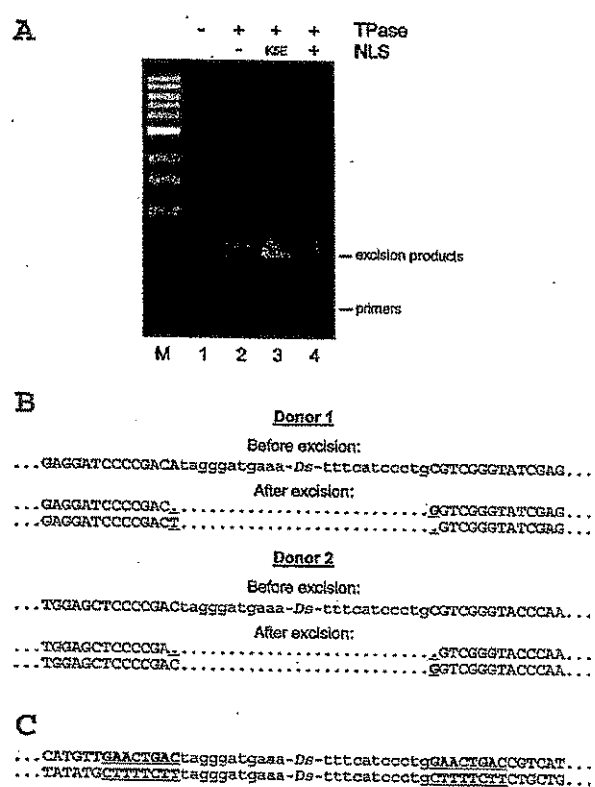


Figure 2

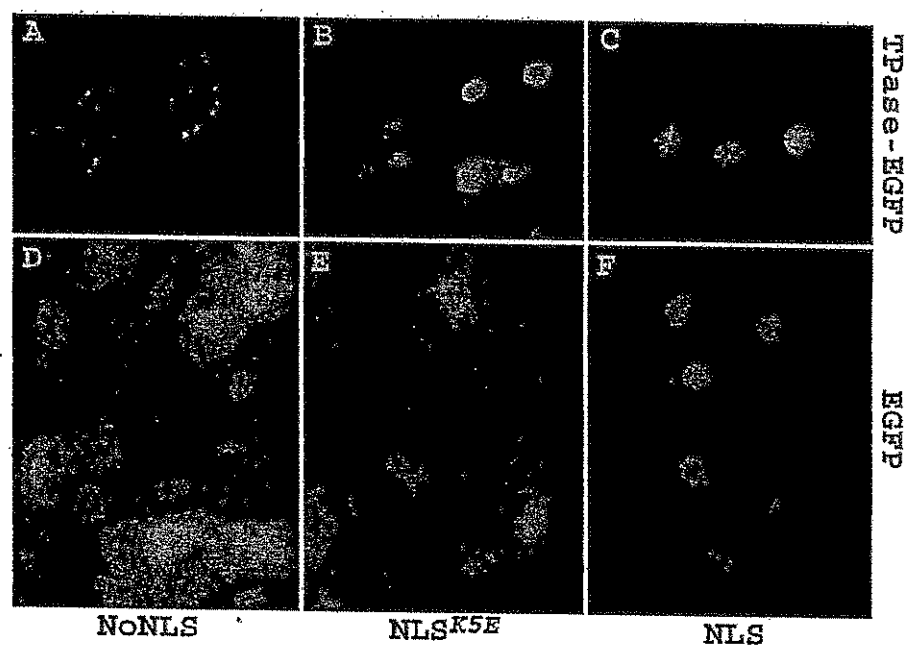


Figure 3

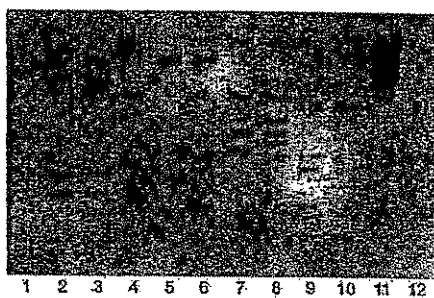


Figure 4

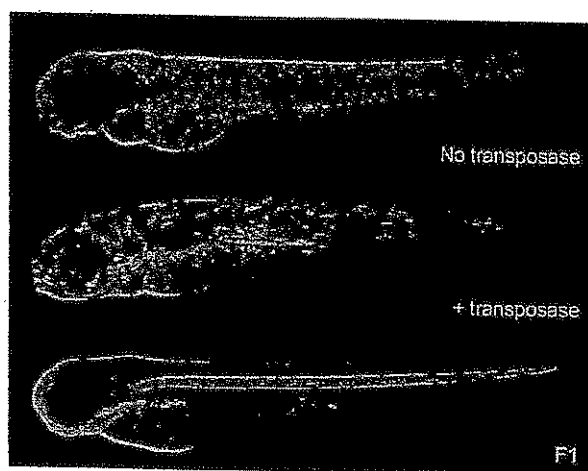


Figure 5

6/8

- DNA 1 -

Homo sapiens chromosome 17, clone hRPK.294_J_22, AC005921.3 GI:4982556

A7 (Ds5'-122331-... +\+): 5'

atcggttatacgaacgggtcggtacgggattttcccatcctactttcatccctgAGTGAGACTCTGACGGCCTCCTGCT
TCCCCCACAACACTGTGGAAGGTGGGGCTCCCCAAGCCTGCACTCCTACCTGAGATGCC
AGTCTCTTTGTCTACTTTAGACACCAGGTTCCAAAGACCCTGTGCTCTCAGATACCT
TTTATGTCTAAAGCAGAGGCCCTACCCCAGCACTCCCCATCTCAGTAGACAGTAACCT
CCATTTACCA (SEQ ID NO:56)

D4 (...-122331-Ds5' +\+): 5'rev,

AGCACAGGGTCTTTGGAACCTGGTGTCTAAAGTAGACAAAGAGACTGGCATCTCAG
GTAGGAGTGCAGGCTTGGGGAGCCCCACCTTCCACAGTGTGGGGGAAGCAGGAGG
CCGTCAGAGTCTCACTcagggatgaaagtaggatgggaaaatcccgtaccgaccgttatcgataaccgattttgttagtttta
tcccgatcgatttgaacccgaggtaaaaaacgaaaacggaacggaacggatataca (SEQ ID NO:57)

D5 (...-122331-Ds5' +\+): 5'rev,

GGGCCTCTGCTTTAGACATAAAAGGTATCTGAGAGCACAGGGTCTTTGGAACCTGG
TGTCTAAAGTAGACAAAGAGACTGGCATCTCAGGTAGGAGTGCAGGCTTGGGGAGC
CCCACCTTCCACAGTGTGGGGGAAGCAGGAGGCCGTCAGAGTCTCACTcagggatgaaagt
aggatgggaaaatcccgtaccgaccgttatcgataaccgattttgttagttttatcccgatcgatttgaacccgaggtaaaaaacg (SEQ
ID NO:58)

D6 (...-122331-Ds5' +\+): 5'rev,

GCTTTAGACATAAAAGGTATCTGAGAGCACAGGGTCTTTGGAACCTGGTGTCTAAA
GTAGACAAAGAGACTGGCATCTCAGGTAGGAGTGCAGGCTTGGGGAGCCCCACCTT
CCACAGTGTGGGGGAAGCAGGAGGCCGTCAGAGTCTCACTcagggatgaaagtaggatgggaaa
atcccgtaccgaccgttatcgataaccgattttgttagttttatcccgatcgatttgaacccgaggtaaaaaacgaaaacggaacga
(SEQ ID NO:59)

D7 (...-122324-Ds3' +\+): 3'rev,

ACTGGCAACACCGCCTCTTGTTCCTCTATTTCCAGCATCCAGAAAAGTGTCTGGC
TTATCCTTGGTGCTCCATAAATTTTTACTGAATGAATGAATAAATGAATTCATGAAT
GAACAGGATGGCTAGTGAGACTagggatgaaaacggtcggtaacggtcggtaaaatacctctaccgttttcattttcata
tttaacttgcgggacggaaacgaaaacgggatataccggtaacgaaaacgaacggg (SEQ ID NO:60)

D9 (...-122324-Ds3' +\+): 3'rev,

GACTGGCAACACCGCCTCTTGTTCCTCTATTTCCAGCATCCAGAAAAGTGTCTGG
CTTATCCTTGGTGCTCCATAAATTTTTACTGAATGAATGAATAAATGAATTCATGAA
TGAACAGGATGGCTAGTGAGACTagggatgaaaacggtcggtaacggtcggtaaaatacctctaccgttttcattttcat
atttaacttgcgggacggaaacga (SEQ ID NO:61)

Figure 6A

7/8

DNA 2 insertion site:

GGAAGCAGGAGGCCGTCAGAGTCTCACTcagggatgaaagtagg...5'-Ds-3'...accgtttcatccctaGT
CTCACTAGCCATCCTGTTCATTCATG (SEQ ID NO:62...5'-Ds-3'...SEQ ID NO:63)

- DNA 2 -

Homo sapiens chromosome 17, clone RP11-219F9 AC046170.6 GI:17488726

1A2-1 (Ds3'-23951-... +\): 3'

aatatgaaaatgaaaacggtagaggtattttaccgaccgttaccgaccgttttcatccctaTATAGATGCATGTTTAGAGA
GGACTGAGGGGGCAACTGAATGTGTTTAATTTCAAGCTTACTATGTGATCATGAAAT
ACCCAACACATTATGCTGGTACAAATCCAGAGTTCTAACTGAGACCGAGGGTGGCA
TATGCATATTTGAGAGTTAGCAGCATAAAGATACTAATTGAAGCTATGAAACAGAT
GTGATTAATTTGGAGGAGAATAATTAGAGAAAAATAATAGGTCAAAGACAGACTCC
TGAGGAACCCCAACATTTTAAGGGACACAAAAGAGGTTGAAAAGAGACAGCCAGA
GAGGTAAAAGGAAAACAGAAAATGCTTGGAGTGAGAAAAGCCAAGTAAAGAGGGT
ATTTCAAGCAAAAGTAGTCAACAGTGTGTTTCCTAAACACGTGCAGACTGATTGGA
AGCTAGA (SEQ ID NO:64)

1A2-2 (...-23951-Ds3' +\+): 3'rev:

CTGTTGACTACTTTTGCTTGAATACCTCTTTACTTGGCTTTTCTCACTCCAAGCATT
TCTGGTTTTCTTTTACCTCTCTGGCTGTCTCTTTTCAACCTCTTTTGTGTCCCTTAAA
ATGTTGGGGTTCCTCAGGAGTCTGTCTTTGACCTATTATTTTCTCTAATTATTCTCC
TCCAAATTAATCACATCTGTTTCATAGCTTCAATTAGTATCTTTATGCTGCTAACTCT
CAAATATGCATATGCCACCTCGGTCTCAGTTTACAACCTCTGGATTTGTACCAGCATA
ATGTGTTGGGTATTTTCATGATCACATAGTAAGCTTGAAATTAAACACATTTCAGTTGC
CCCCTCAGTCCTCTCTAAACATGCATCTATAtagggatgaaaacggcggtaacggcggtaaaataacctta
cgttttcatttcataatftaactgcgggacggaaacgaaacgggatataccggtaacgaaacgaacgggataaatac (SEQ ID
NO:65)

Figure 6B

8/8

- DNA 3 -

Homo sapiens chromosome 18, clone RP11-813B21 AC090330.22 GI:24137587

B7 (Ds3'-17490-... +/+): 3'

tcggtcccgcaagttaaataatgaaaatgaaaacggtagaggatatttaccgaccgttaccgaccgttttcatccctaGTGAGAGTCT
GCTCTTCTGTAAACAGACGGCTGAAATTGCTGAAAATCAGACACAAGCTGTTACTA
TGCAAGTGATTGACCTGCAACGAAAGGTACATGCTCAGCCTCACTGGATGTCTACT
GTAAAGGGAGGACATTGATTGGAAAAGAGTGGGACCCTGAAAGTTGAGATGGGG
ACACGTCGAGGGGCCCTAATGAAGCTGGGAATACTGAGATAATAAATTCTGATGAG
CCTTTTATAGCAAGAGGGAATCGCCTCCCCACCCCCAGTGGTAGAAACATGCCCTTGC
CCATCTACTGCAGTACCAGGCTTTCA (SEQ ID NO:66)

B10 (Ds3'-17490-... +/+): 3'

atatgaaaatgaaaacggtagaggatatttaccgaccgttaccgaccgttttcatccctaGTGAGAGTCTGCTCTTCTGTA
AACAGACGGCTGAAATTGCTGAAAATCAGACACAAGCTGTTACTATGCAAGTGATT
GACCTGCAACGAAAGGTACATGCTCAGCCTCACTGGATGTCTACTGTTAAAGGGAG
GACATTGATTGGAAAAGAGTGGGACCCTGAAAGTTGAGATGGGGACACGTCGAGG
GGCCCTAATGAAGCTGGGAATACTGAGATAATAAATTCTGATGAGCCTTTTATAGCA
AGAGGGAATCGCCTCCCCACCCCCAGTGGTAGAAACATGCCCTTGCCCATCTACTG
CA (SEQ ID NO:67)

Figure 6C