FIG. 1

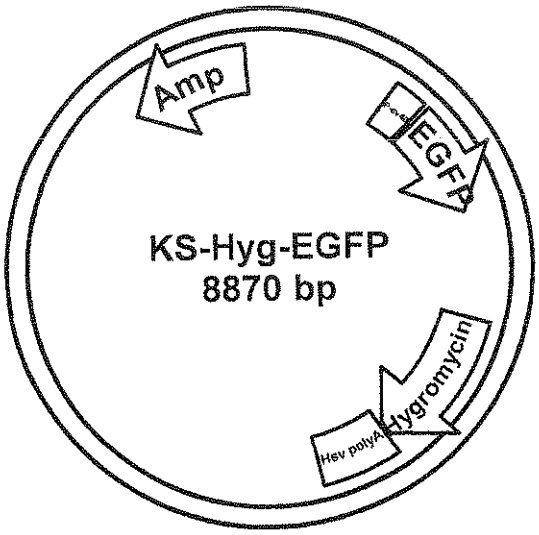
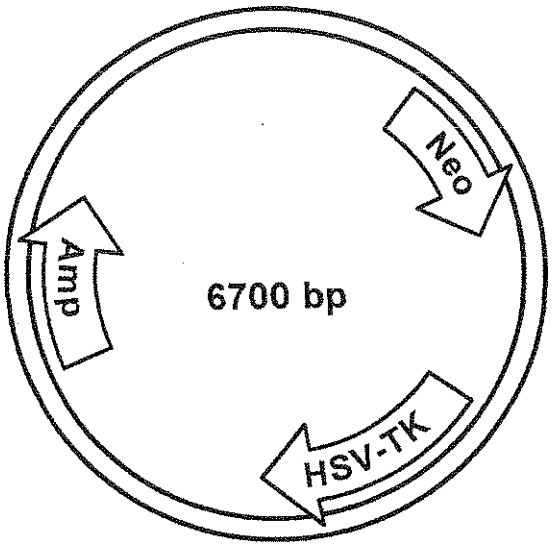


FIG. 2



attP: CCC CAA CTG GGG TAA CCT TTG AGT TCT CTC AGT TGG GGG (SEQ ID NO: 5)

GGGGTT GAC CCC ATT GGA AAC TCA AGAGAGTCA ACC CCC (SEQ ID NO: 6)

attB: G TGC CAG GGC GTG CCC TTG GGC TCC CCG GGC GCG (SEQ ID NO: 7)

C ACG GTC CCG CAC GGG AAC CCG AGG GGC CCG CGC (SEQ ID NO: 8)

FIG. 3

A native chromosomal insertion site in ankyrin 2 gene (Ank2)

(SEQ ID NO: 1)

5'- aaaatttctt gctttcttct aaaagcatta tctataaata tttgttgtct aaaactcatt 60
tttcccatgt ttagtgtgtg tgtttatgcg tgagtgcata ttgtcttggc taccatgaag 120
agaaatatta -**Insertion**- ttttttcttc cagtgttctt gagtggcaaa ttacttttct gttgcagtgt 180
gacaacacca ggggcagaag gggcagagac tcaaaaagcc acagaagttc ctgactctct 240
ctgtaagact cctg -3' 254

FIG. 4

A native chromosomal insertion site in cleavage and polyadenylation specific factor 4 gene (Cpsf4)

(SEQ ID NO: 2)

```
5'-ataaaatcaa aataatgcat cttttgaaga aagcataaaa accaatatac agaattgtga      60
tatgacccgg catcccttt gggacggcag tgactgcagg cgagaaggag gggatggcag        120
agagcagtgt gaagtgggga gggcagctaa gagacctgag ggggagccag gtcctaggcc       180
tctgccgccg ctgccatgca taaaatcatc gccagcgtgg accctatcaa gttcgacttg        240
gagatcgcca tggagcaaca gctccaggcc cttcccagga taagtcgggg gctgctgtct       300
gagaattcat tttgaaagct gcctgtggca aatgtggcat gtgtccattc cgccacatta        360
gtggtgagaa gacagttgtg tgcaaacact ggctaagagc actctgcaag aaaggggacc       420
agtgtgagtt cttacatgag tacgacatga ccaagatgcc cgagtactac ttttacccca        480
agttcgggaa atgcaacaac aaggagtgcc ccttcctgta catcgaccct gagtctaaga        540
ttaaggactg cccttggtat gaccacggct tctgtaagca tggccccctg tgcaggcatc        600
ggcacactcg gagagtcatt tgtgtgaat -Insertion- t acctggtagg attctgccct gaggaaccct      660
agggtagatt catgcaccct ccatttgaac tgcccatggg aaccactgag caacctccac       720
taccacaaca gatacagcct ccaacaaaga tcattgggtt catgcagagt caaaatagca       780
gtgcagggaa cctgggaccc tggacattgg agcaagtcac ttactataag tgtggtaaaa       840
aaggacacta tgccaacaga tgcaccaaag ggccaattgg catttctcag tggacagtga       900
caatagctgg gctctgtgga gcagcctaag agacctgctg ttggtaacaa gcacttagct       960
gctcaatgta gtgctggcag gactggctag agcctcaggc acacttgcca gggctcattt      1020
tgaggggcca tgtctgtcct atcattttgc tgtaatcttt tttctttaaa gaaggaacat      1080
gtgcttcagt tgggtccctt gagccagctt gcttggacat cagtgcctca ttttttggac      1140
tatgtgct -3'                                                           1148
```

FIG. 5

A native chromosomal insertion site in C-Mos gene

(SEQ ID NO: 3)

```
cagacatttg ttgaactact tgccagggtt attagatgca acctttgtaa gaattaacat       60
ctgtaacttt aatgtctttg atccaaatac aatcacttat agaagtcaga tcacatacct      120
tttacgttca tcagaaggga gcattctgac actgtatttg atttaaacag caagttaaga      180
ctctgtaaca taacaacaca gtgacctccc aatatccctt tccaaggcaa gttaagccac      240
cccatgagtg tgagtttgct tcaagacaga tt -Insertion- ctagactt cacagaaagc aagttcctgg
aatttaatgc agagttggag gaaggaagaa aggaacaaag gtgattgtga tgaccacggc      360
tgtaaatatc agcaagcgtg ggaaaacaga ggaaaagtca ggagaaatag acatggctca      420
gaatcactgg tacccatcta taatatggaa aagcagatgc tgaacacaaa ttcagggtct      480
ggccatcaaa ccacacattc ctcctttttt gttttataaa aatgcgctca gttttatgct      540
atatctctgg gagaatgggg aagagccttg ctctgtttat tcaaaaacgt ttctcaaagt      600
ggctaggagt tactcctctt agctgcttgg taaggtgttt tatgcataca ggtgataagt      660
gatcactttt catgtgacag ctgtgtccct ttgacttcag aatcacaggt tttgagaaga      720
caataaagga gagacatata aac   -3'                                        743
```

FIG. 6

A native chromosomal insertion site in Nephrocystin-1/Mal gene

(SEQ ID NO: 4)

```
cctccagaaa gccttgcggg tcaactaaga attcggtcta acgactcacc aaccctcaac        60
actcctcatc cctcaggccc ttgtctaaac tagccagacc cacccagccc agcgcccctc       120
tcctttgaaa ttcatcactt tctcaaagtg taacaggtgt caacgtatag tcttaataaa       180
ctaaccaagg acagattagt aatttcagaa aagttaattt caaagatgat caaacacaa -insertion- a       240
agatcgtagc gattttaagt cataaccctc agtgctgagg aagactcgat gaaacaggcg       300
atgccctggt atatagtcta catttctgga cagcagtttg acaacatata gcgagcattg       360
atcctcctag gctggttgat tacattctca gcaatctccc acttacaata acttaaaagt       420
gtgacagaga tggatattta aatgtgttca ccacattttt tgcttataat agaaaagctg       480
aatatgaata aatgataggt attagtggga tggataaact aatccataga tggattaatg       540
ttatacaggg cttctcagtt cttcttttga gggaaaggat ttagtggcag gacacaaagc       600
ttaaacagaa gtttatat                                                     618
```