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  61 gggacggccc gttttccgcc agctcgccgc tcgctatggc gtcgctcacc gtgaaggcct
 121 accttctggg caaggaggac gcggcgcgcg agattcgccg cttcagcttc tgctgcagcc
 181 ccgagcctga ggcggaagcc gaggctgcgg cgggtccggg accctgcgag cggctgctga
 241 gccgggtggc cgccctgttc cccgcgctgc ggcctggcgg cttccaggcg cactaccgcg
 301 atgaggacgg ggacttggtt gccttttcca gtgacgagga attgacaatg gccatgtcct
 361 acgtgaagga tgacatcttc cgaatctaca ttaaagagaa aaaagagtgc cggcgggacc
 421 accgcccacc gtgtgctcag gaggcgcccc gcaacatggt gcaccccaat gtgatctgcg
 481 atggctgcaa tgggcctgtg gtaggaaccc gctacaagtg cagcgtctgc ccagactacg
 541 acttgtgtag cgtctgcgag ggaaagggct tgcaccgggg gcacaccaag ctcgcattcc
 601 ccagcccctt cgggcacctg tctgagggct tctcgcacag ccgctggctc cggaaggtga
 661 aacacggaca cttcgggtgg ccaggatggg aaatgggtcc accaggaaac tggagcccac
 721 gtcctcctcg tgcaggggag gcccgccctg gccccacggc agaatcagct tctggtccat
 781 cggaggatcc gagtgtgaat ttcctgaaga acgttgggga gagtgtggca gctgcccttа
 841 gccctctggg cattgaagtt gatatcgatg tggagcacgg agggaaaaga agccgcctga
 901 cccccgtctc tccagagagt tccagcacag aggagaagag cagctcacag ccaagcagct
 961 gctgctctga ccccagcaag ccgggtggga atgttgaggg cgccacgcag tctctggcgg
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1261 aggctgaccc gcggctgatt gagtccctct cccagatgct gtccatgggc ttctctgatg
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1381 acaccatcca gtattcaaag catccccccgc cgttgtgacc acttttgccc acctcttctg
1441 cgtgccccctc ttctgtctca tagttgtgtt aagcttgcgt agaattgcag gtctctgtac
1501 gggccagttt ctctgccttc ttccaggatc aggggttagg gtgcaagaag ccatttaggg
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2041 gtaaacaatc taattaaatg gcatcagcac tttaaccaat gacgtttgca tagagagaaa
2101 tgattgacag taagtttatt gttaatggtt cttacagagt atctttaaaa gtgccttagg
2161 ggaaccctgt ccctcctaac aagtgtatct cgattaataa cctgccagtc ccagatcaca
2221 catcatcatc gaagtcttcc ccagttataa agaggtcaca tagtcgtgtg ggtcgaggat
2281 tctgtgcctc caggaccagg ggcccaccct ctgcccaggg agtccttgcg tcccatgagg
2341 tctttcccgca aggcctctca gacccagatg tgacggggtg tgtggcccga ggaagctgga
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2461 tagcctgtgc tggaccagct ggcctggggt ccctctgaag agaccttggc tgctcactgt
2521 ccacatgtga acttttctta ggtggcagga caaattgcgc ccatttagag gatgtggctg
2581 taacctgctg gatgggactc catagctcct tcccaggacc cctcagctcc ccggcactgc
2641 agtctgcaga gttctcctgg aggcaggggc tgctgccttg tttcaccttc catgtcaggc
2701 cagcctgtcc ctgaaagaga agatggccat gccctccatg tgtaagaaca atgccagggc
2761 ccaggaggac cgcctgccct gcctgggcct tggctgggcc tctggttctg acactttctg
2821 ctggaagctg tcaggctggg acaggctttg attttgaggg ttagcaagac aaagcaaata
2881 aatgccttcc acctcaccgc aaaaaaaaaa aaaaaaaaaa aaa (SEQ ID NO: 1)
```

FIG. 1

```
   1 maslvkayl lgkedaarei rrfsfccspe peaeaeaaag pqpcerllsr vaalfpalrp
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 121 mvhpnvicdg cngpvvgtry kcsvcpdydl csvcegkglh rghtklafps pfghlsegfs
 181 hsrwlrkvkh ghfqwpgwem gppgnwsprp pragearpgp taasasgpse dpsvaflknv
 241 gesvaaalsp lgievdldve hgghrsrltp vspessstee ksssqpssco sdpskpggnv
 301 egatqslaeq mrkialeseg rpeeqmesdn csggdddwth lsskevdpst gelqslqmpe
 361 segpssldps qegptglkea alyphlppea dprlieslsq mlsmgfsdeg gwltrllqtk
 421 nydlgaaldt lqyskhpppl (SEQ ID NO: 2)
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FIG. 2

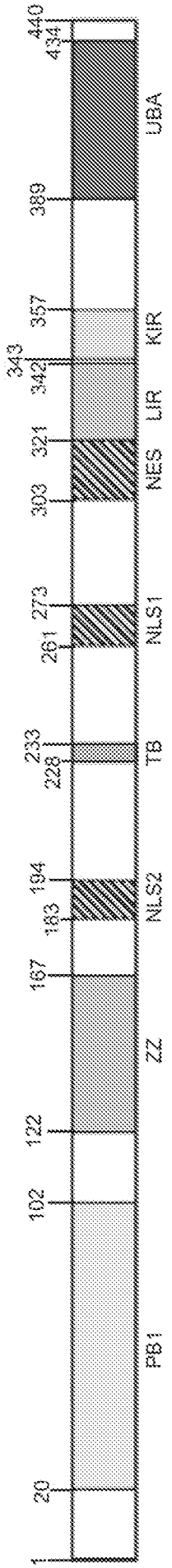

1
20
102
122
167
163
194
228
233
261
273
303
321
342
343
357
389
434
440
PB1
ZZ
NLS2
TB
NLS1
NES
LIR
KIR
UBA

FIG. 3

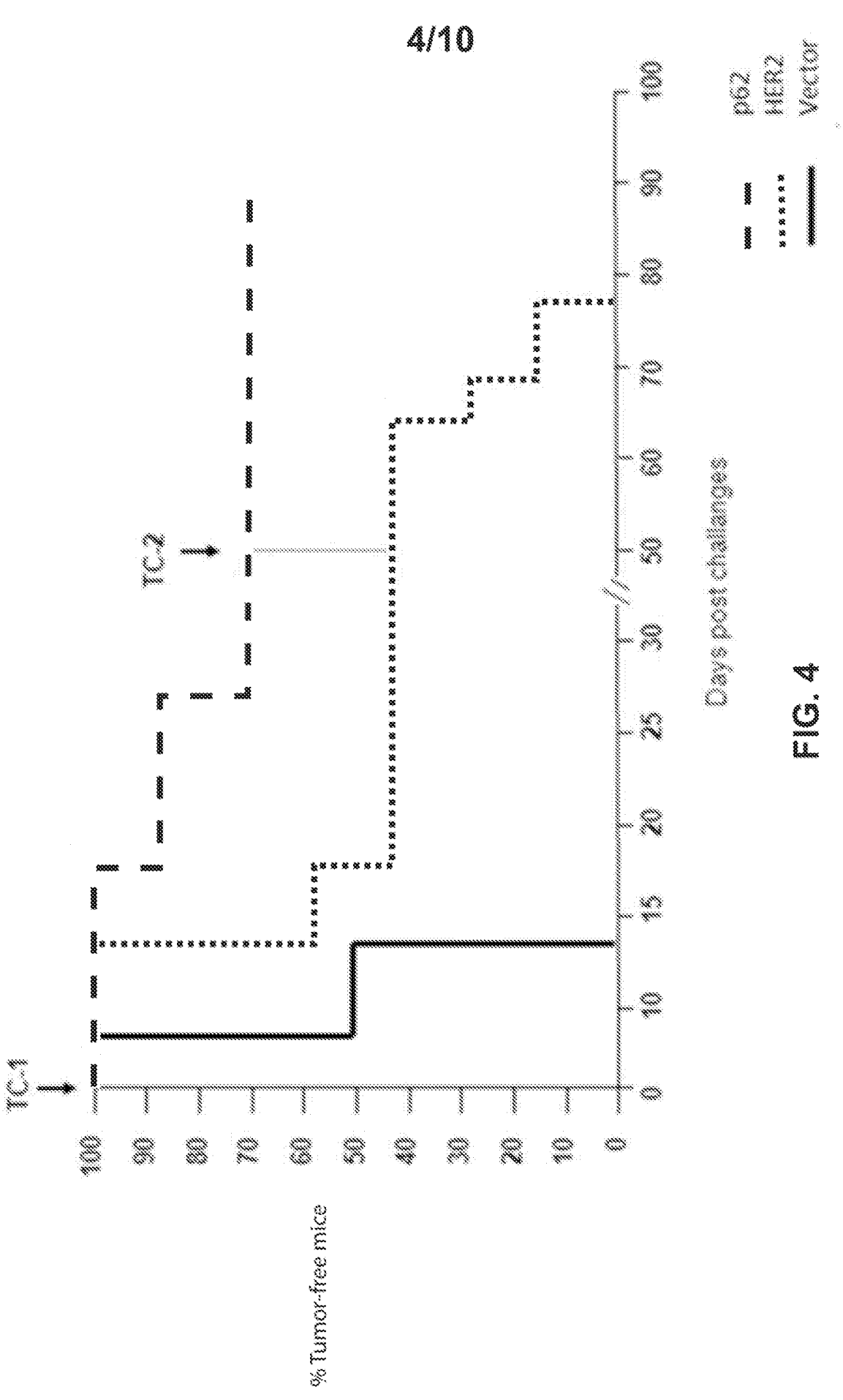

TC-1
TC-2
% Tumor-free mice
Days post challanges
p62
HER2
Vector
0
10
20
30
40
50
60
70
80
90
100
0
10
15
20
25
30
50
60
70
80
90
100

FIG. 4

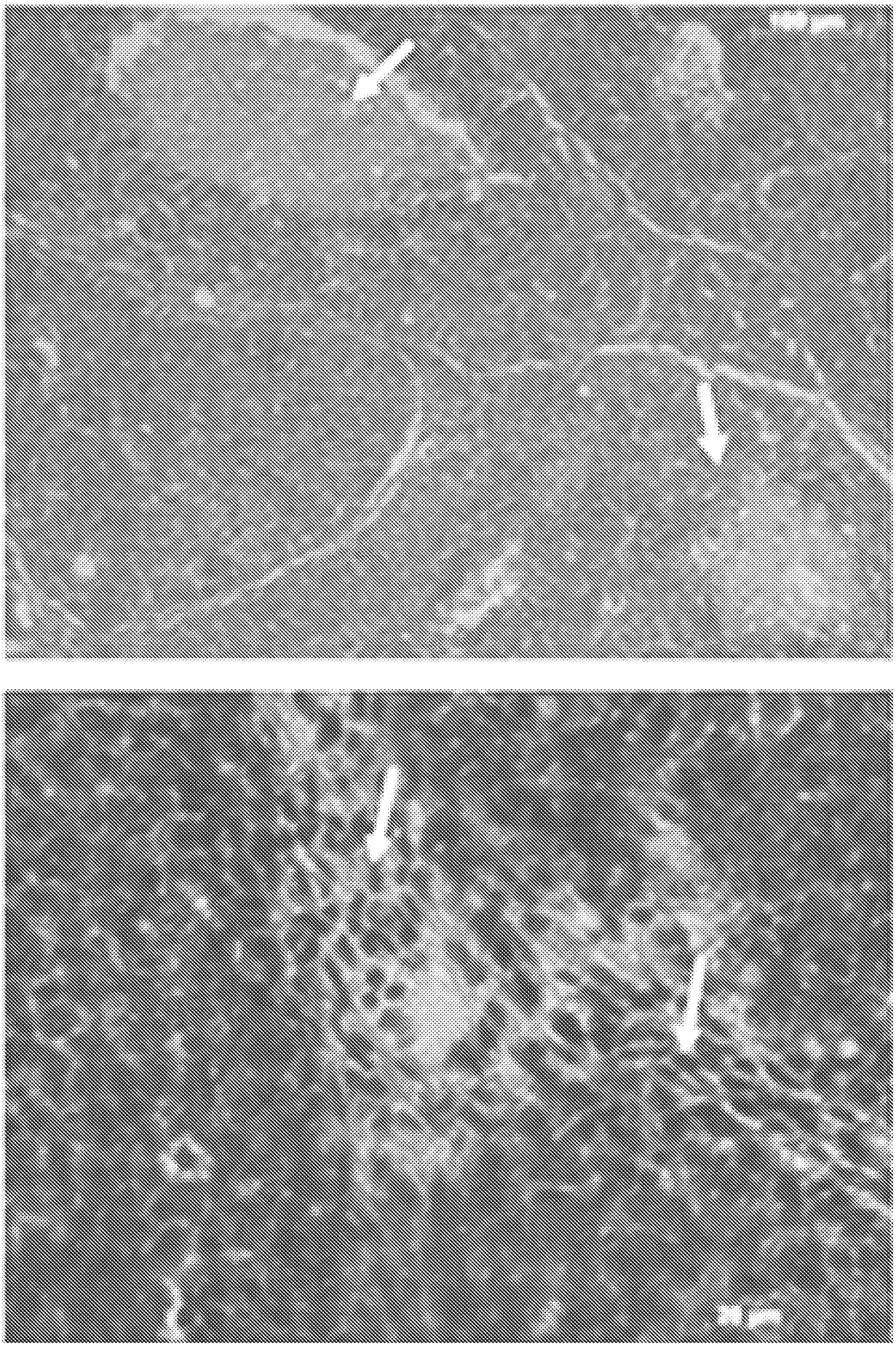


FIG. 5

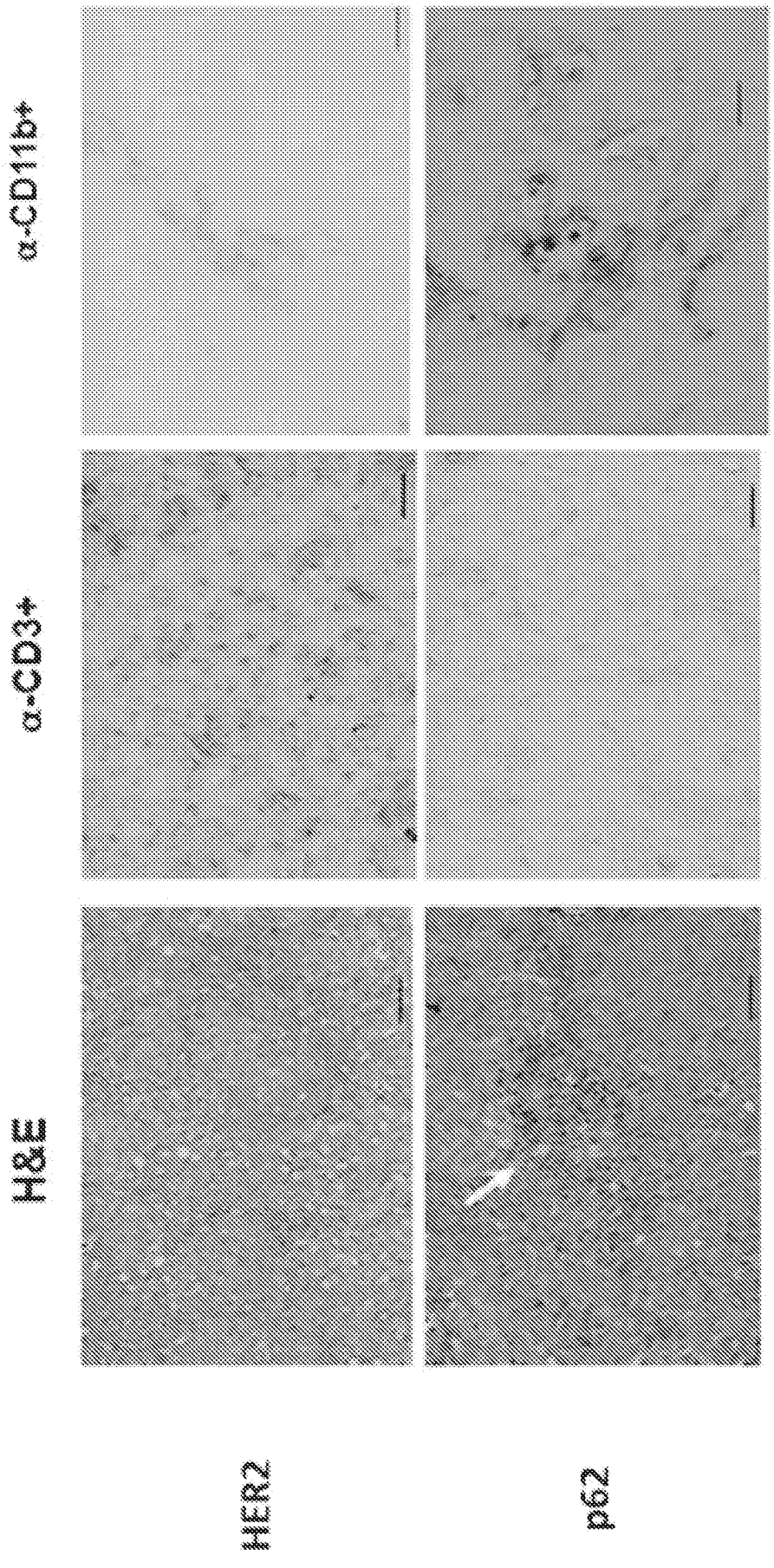


FIG. 6

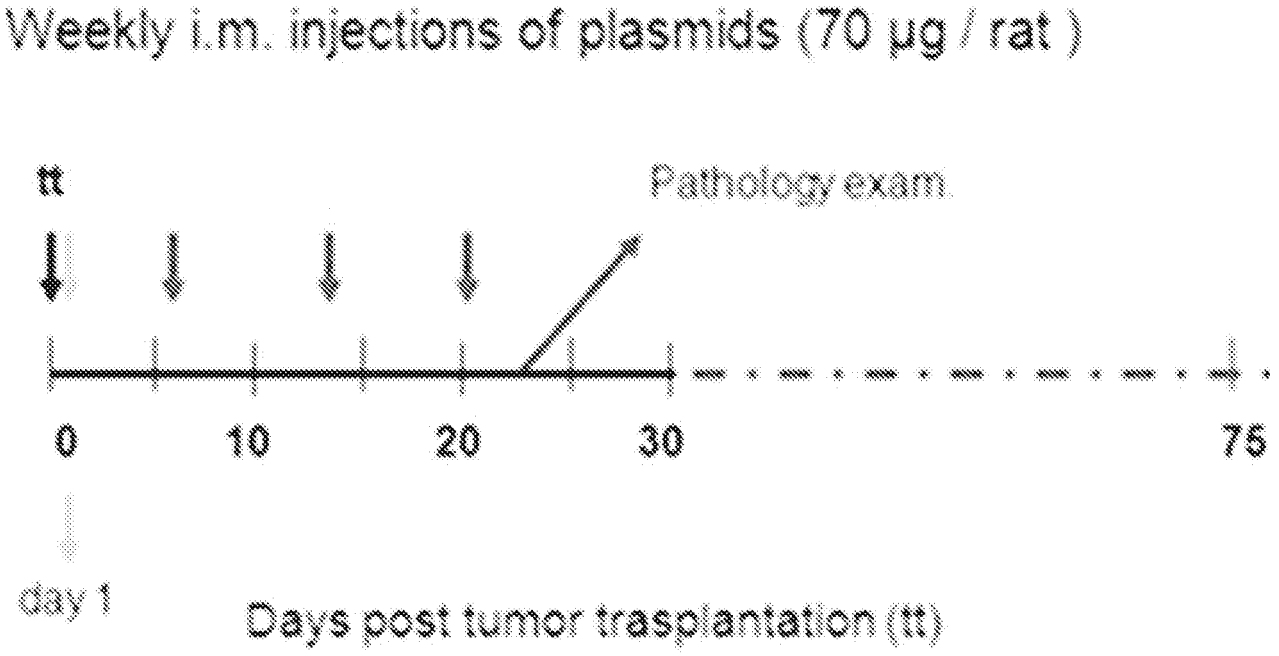

Weekly i.m. injections of plasmids (70 µg / rat)
tt
Pathology exam
0
10
20
30
75
day 1
Days post tumor trasplantation (tt)

FIG. 7

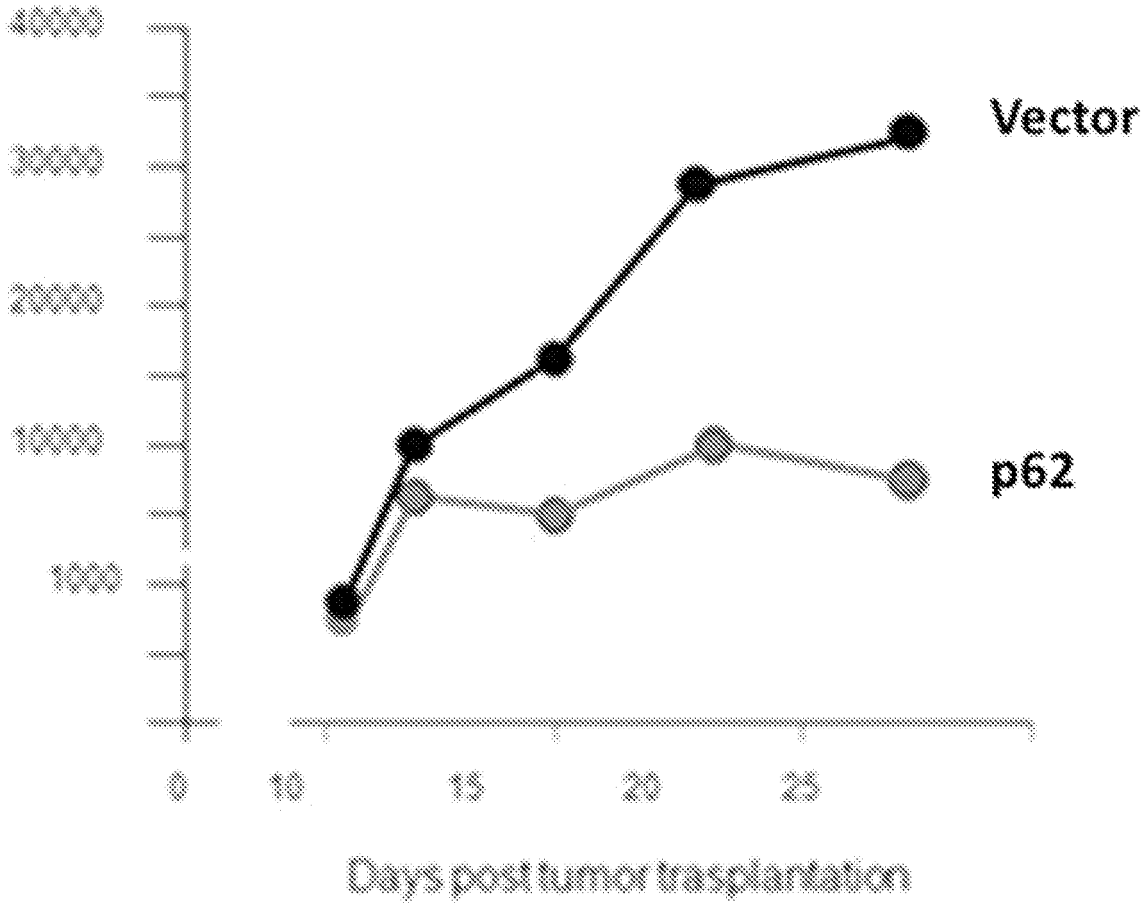
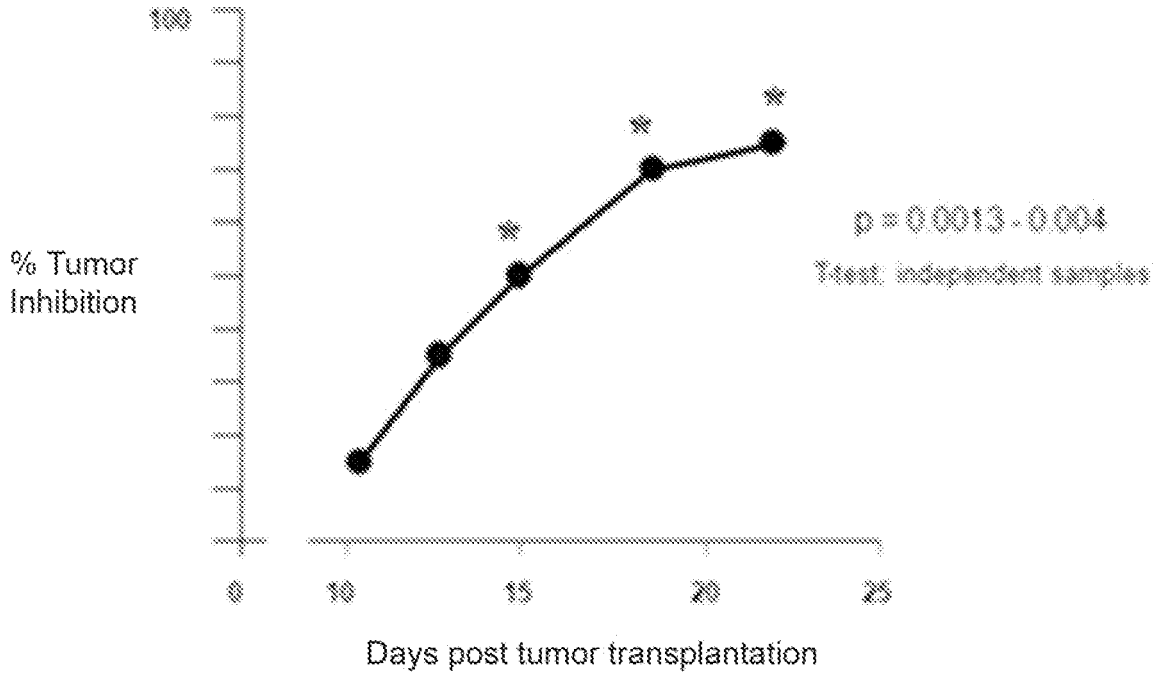

Vector
p62
0
10
15
20
25
Days post tumor trasplantation

FIG. 8



% Tumor inhibition = (Tumor Volume Control - Tumor Volume p62 Groups) / Tumor Volume Control x 100

FIG. 9

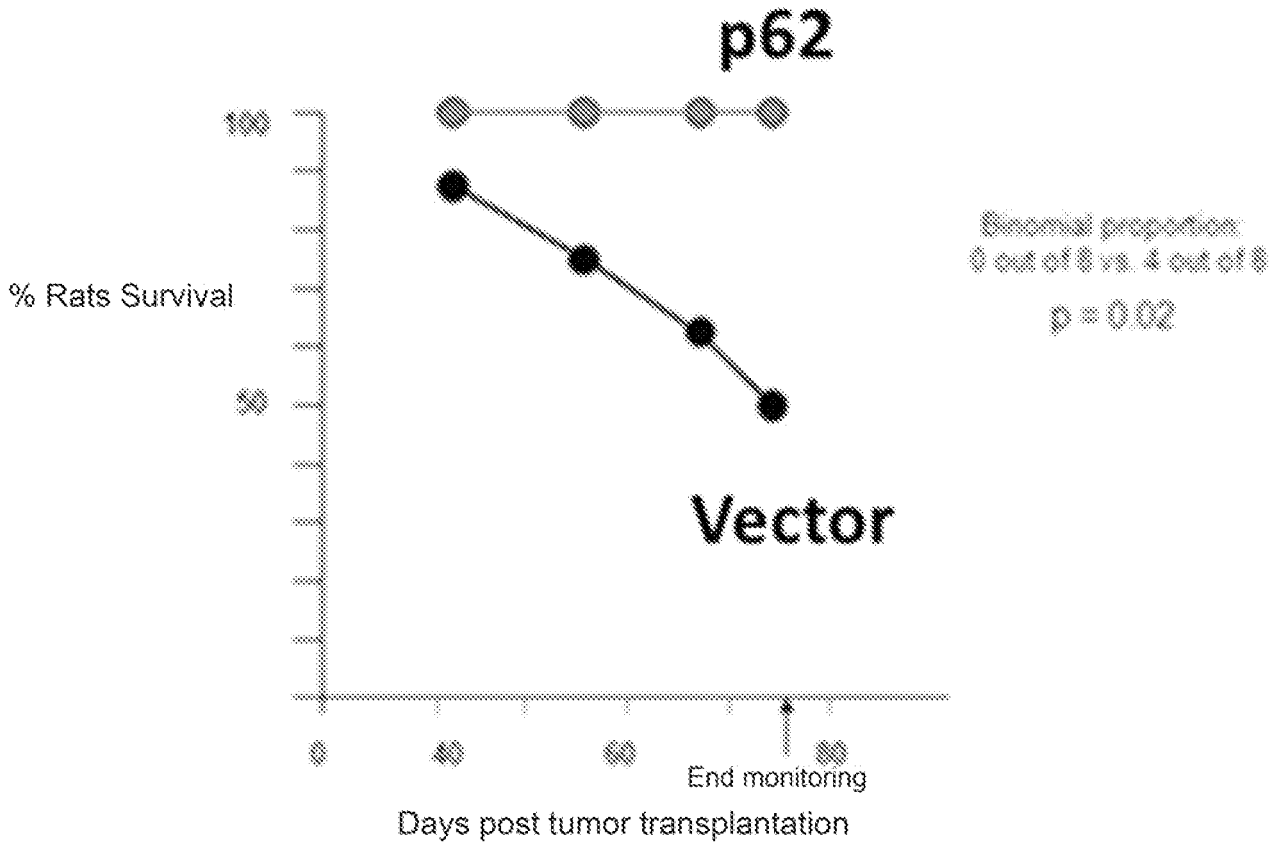


FIG. 10

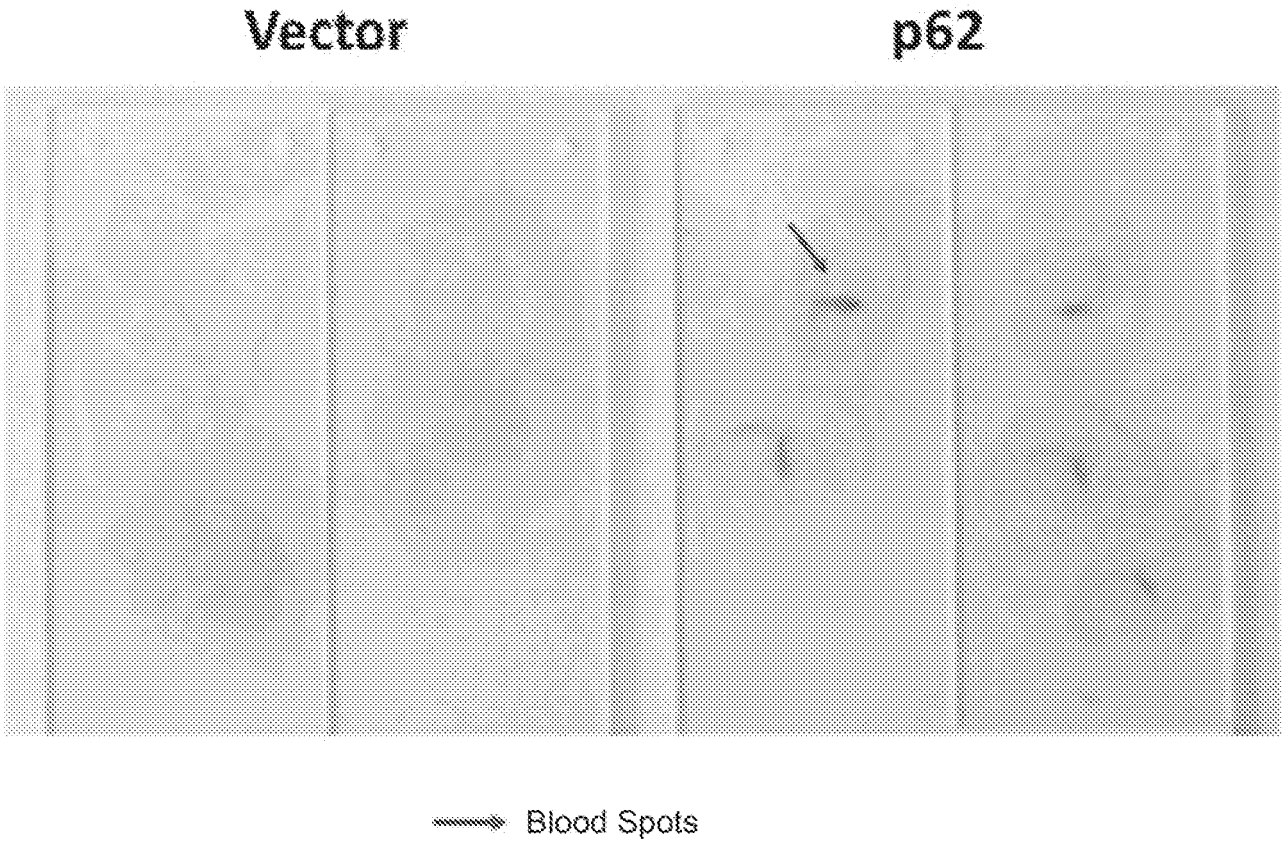


FIG. 11

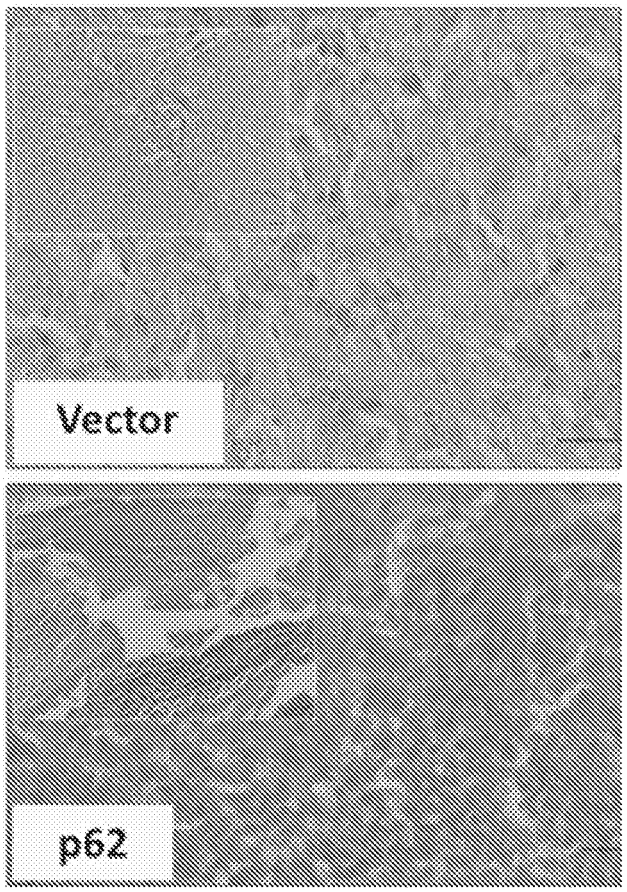


FIG. 12

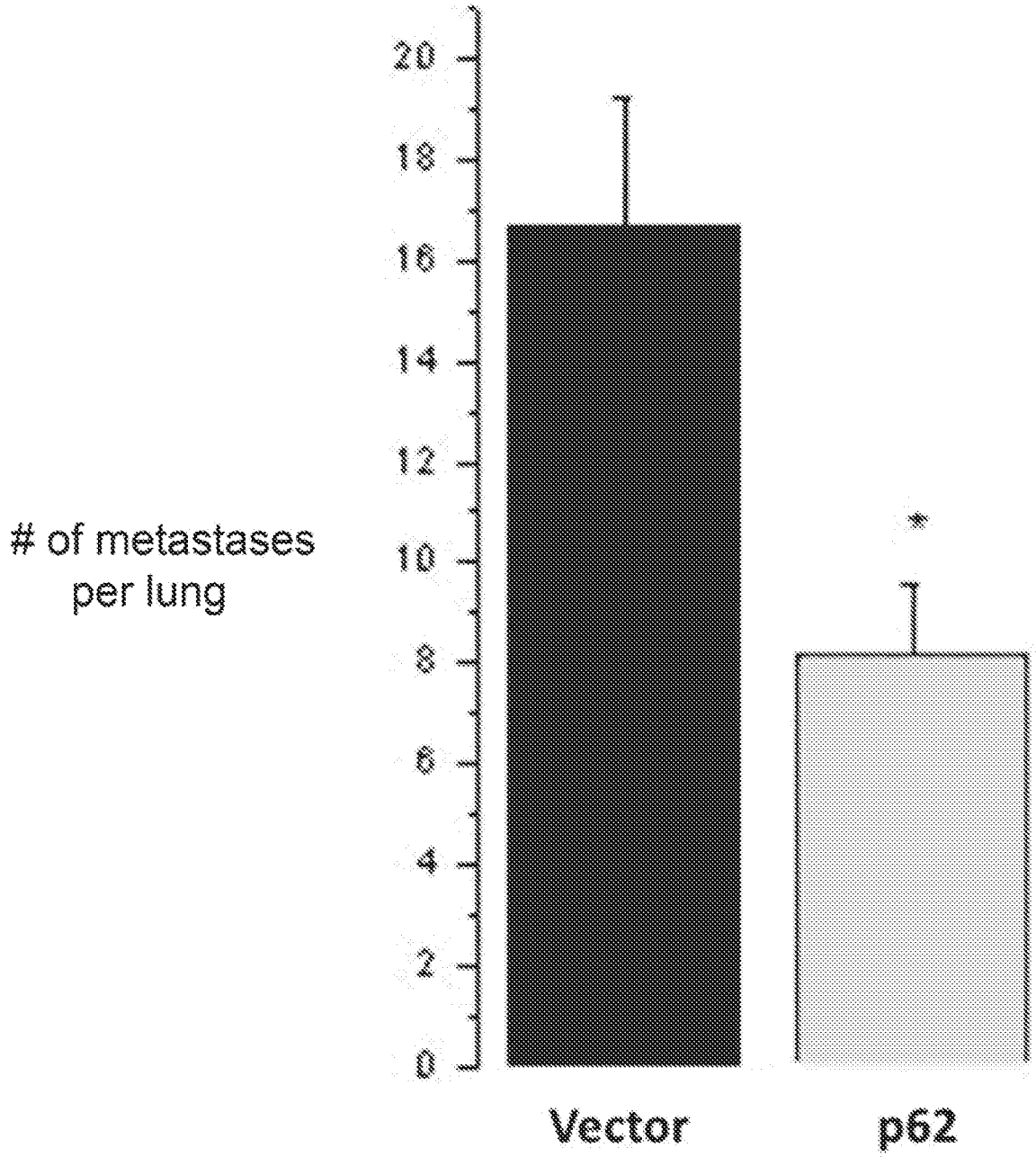


FIG. 13