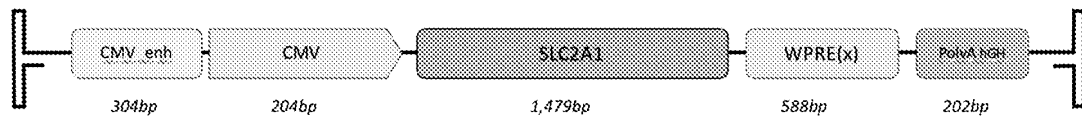
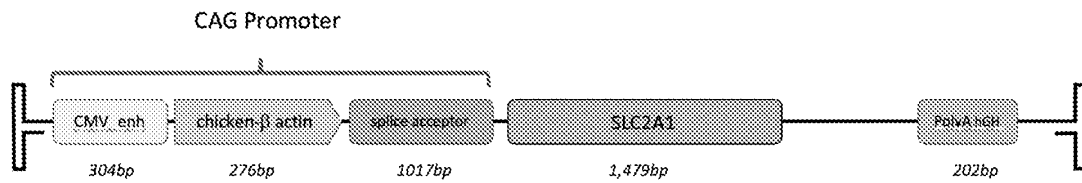
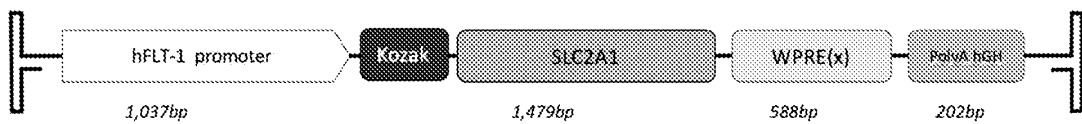
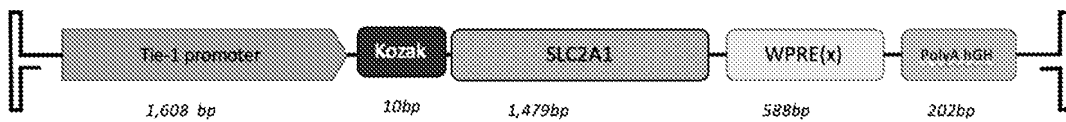
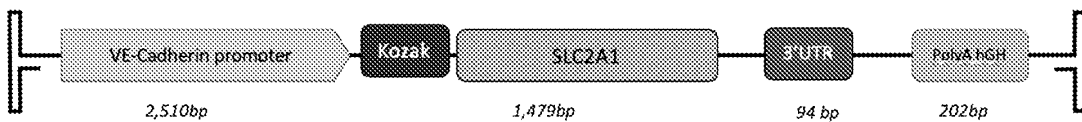


*FIG. 1***1. CMV-SLC2A1-WPRE – 3,299bp****2. CAG-SLC2A1 – 3,750 bp****3. hFLT1-SLC2A1 – 3,745 bp****4. Tie1-SLC2A1 – 4,258bp****5. VE-Cadherin-SLC2A1 – 4,716 bp****6. mTie1-SLC2A1 – 3,850bp**

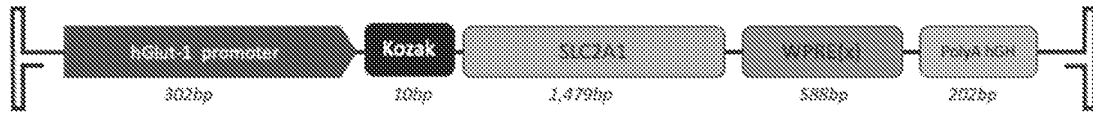
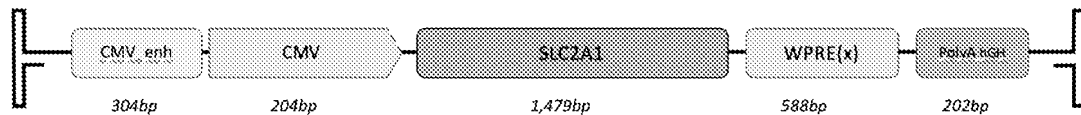
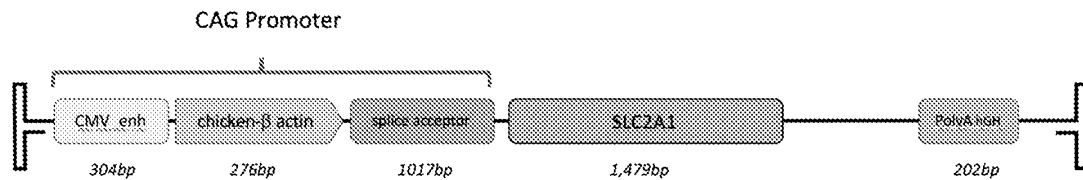
7.hGLUT-SLC2A1 – 3,010 bp*FIG. 1 (con't)*

*FIG. 2***CMV-SLC2A1-WPRE – 3,299bp**

g c g c g c t c g t c g t c a c t g a g g c c g c c c g g g c a a g c c c g g g c g t c g g g c g a c c t t t g g t c g c c c g g c c t c a g t g a g c g a g c g a g
c g c g c a g a g a g g g a g t g g c c a a c t c c a t c a c t a g g g g t t c c t t g t a g t t a a t g a t t a a c c c g c c a t g c t a c t a t c t a c g t a C T C T G
G A G A C G C G T T A C A T A C G T T A C A T A A C T T A C G G T A A A T G G C C C G C C T G G C T G A C C G C C C A A C G A C C C C
C G C C C A T T G A C G T C A A T A A T G A C G T A T G T T C C C A T A G T A A C G C C A A T A G G G A C T T T C C A T T G A C G T C A
A T G G G T G G A G T A T T T A C G G T A A A C T G C C C A C T T G G C A G T A C A T C A A G T G T A T C A T A T G C C A A G T A C G
C C C C T A T T G A C G T C A A T G A C G G T A A A T G G C C C G C C T G G C A T T A T G C C C A G T A C A T G A C C T T A T G G G
A C T T T C C T A C T T G G C A G T A C A T C T A C G T A T T A G T C A T C G C T A T T A C C A T G G T G A T G C G G T T T T G G C A G
T A C A T C A A T G G G C G T G G A T A G C G G T T T G A C T C A C G G G G A T T T C C A A G T C T C C A C C C C A T T G A C G T C A
A T G G G A G T T T G T T T T G G C A C C A A A A T C A A C G G G A C T T T C C A A A A T G T C G T A A C A A C T C C G C C C C A T T
G A C G C A A A T G G G C G G T A G G C G T G T A C G G T G G G A G G T C T A T A A A G C A G A G C T C G T T T A G T G A A C C
G T C A G A T C G C C T G G A G A C G C C A T C C A C G C T G T T T T G A C C T C C A T A G A A G A C A C C G G G A C C G A T C C A G
C C T C C G C G G A T G G A G C C C A G C A G C A A G A A G C T G A C G G G T C G C C T A T G C T G G C C G T G G G A G G A G C
A G T G C T T G G C T C C C T G C A G T T T G G C T A C A A C A C T G G A G T C A T C A A T G C C C C C A G A A G G T G A T C G A G
G A G T T C T A C A A C C A G A C A T G G G T C C A C C G C T A T G G G G A G A G C A T C C T G C C C A C C A C G T C A C C A C G C
T C T G G T C C C T C T C A G T G G C C A T C T T T T C T G T T G G G G G C A T G A T T G G C T C C T T C T G T G G G C C T T T T C G
T T A A C C G C T T T G G C C G G C G A A T T C A A T G C T G A T G A T G A A C C T G C T G G C C T T C G T G T C C G C C G T G C T
C A T G G G C T T C T C G A A A C T G G G C A A G T C C T T T G A G A T G C T G A T C C T G G G C C G C T T C A T C A T C G G T G T G
T A C T G C G G C C T G A C C A C A G G C T T C G T G C C C A T G T A T G T G G G T G A A G T G T C A C C C A C A G C C C T T C G T G
G G G C C C T G G G C A C C C T G C A C C A G C T G G G C A T C G T C G T C G G C A T C C T C A T C G C C C A G G T G T T C G G C C T
G G A C T C C A T C A T G G G C A A A A G G A C C T G T G G C C C T G C T G C T G A G C A T C A T C T T C A T C C C G G C C C T G
C T G C A G T G C A T C G T G C C C T T C T G C C C C G A G A G T C C C C G C T T C C T G C T C A T C A A C C G C A A C G A G G
A G A A C C G G G C C A A G A G T G T G C T A A A G A A G C T G C G C G G G A C A G C T G A C G T G A C C C A T G A C C T G C A G
G A G A T G A A G G A A G A G A G T C G G C A G A T G A T G C G G G A G A A G A A G G T C A C C A T C C T G G A G C T G T T C C G
C T C C C C C G C C T A C C G C C A G C C C A T C C T C A T C G T G T G G T G C T G C A G C T G T C C C A G C A G C T G T C T G G C A
T C A A C G C T G T C T T C T A T T A C T C C A C G A G C A T C T T C G A G A A G G C G G G G T G C A G C A G C C T G T G T A T G C
C A C C A T T G G C T C C G G T A T C G T C A A C A C G G C C T T A C T G T C G T G T C G T G T T T G T G G T G G A G C G A G C A
G G C C G G C G G A C C C T G C A C C T A T A G G C C T C G T G G C A T G G C G G G T T G T G C C A T A C T C A T G A C C A T C
G C G T A G C A C T G C T G G A G C A G C T A C C C T G G A T G T C C T A T C T G A G C A T C G T G G C C A T C T T T G G C T T T G
T G G C C T T C T T T G A A G T G G G T C C T G G C C C C A T C C C A T G G T T C A T C G T G G C T G A A C T C T T C A G C C A G G G T
C C A C G T C C A G C T G C C A T T G C C G T T G C A G G C T T C T C C A A C T G G A C C T C A A A T T T C A T T G T G G G C A T G T G
C T T C C A G T A T G T G G A G C A A C T G T G T G G T C C C T A C G T C T T C A T C A T C T T C A C T G T G C T C C T G G T T C T G T T
C T T C A T C T T C A C C T A C T T C A A A G T T C C T G A G A C T A A A G G C C G A C C T T C G A T G A G A T C G C T T C C G G C T
T C C G G C A G G G G G A G C C A G C C A A A G T G A C A A G A C A C C C G A G G A G C T G T T C A T C C C C T G G G G G C T
G A T T C C C A A G T G T G A T A A T G G A T C A A C C T C T G G A T T A C A A A T T T G T G A A A G A T T G A C T G G T A T T C T T
A A C T A T G T T G C T C C T T T A C G C T A T G T G G A T A C G T G C T T T A A T G C C T T T G T A T C A T G C T A T T G C T T C C
C G T A T G G C T T T C A T T T T C C T C C T T G T A A A T C C T G G T T G C T G T C T C T T A T G A G G A G T T G T G G C C C
G T T G T C A G G C A A C G T G G C G T G G T G T G C A C T G T G T T T G C T G A C G C A A C C C C A C T G G T T G G G G C A T T

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GCCGCCTGCCTTGCCCGCTGCTGGACAGGGGCTCGGCTGTTGGGCACTGACAATCCGTGGTGTGT
CGGGGAAATCATCGTCCTTTCCTTGGCTGCTCGCCTGTGTTGCCACCTGGATTCTGCGCGGGACGTC
CTTCTGCTACGTCCCTTCGGCCCTCAATCCAGCGGACCTTCCTTCCCGCGGCCTGCTGCCGGCTCTGC
GGCCTCTTCCGCGTCTTCGCCTTCGCCCTCAGACGAGTCGGATCTCCCTTTGGGCCGCCTCCCCGCAT
CATTGCCTGCCC GG GTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCAC
TCCAGTGCCCAACAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTA
TAATATTATGGGGTGGAGGGGGGTGGTATGGAGCAAGGGGCCCAAGTTGGGAAGAAACCTGTAG
GGCCTGCGTTACCCAGGCTGGAGTGCAGTGGCACATTTCTGCTCACTGCAACCTCCTCCTCCCTGGG
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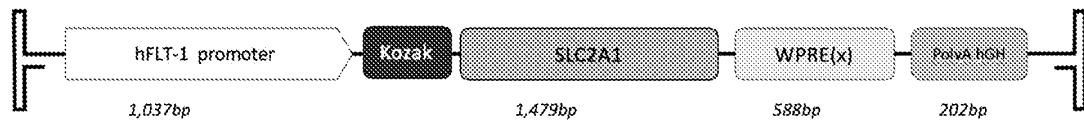
FIG. 2 (con't)

*FIG. 3***CAG-SLC2A1 – 3,750 bp**

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cgcgagagaggagtgcccaactccatcactaggggttccttgtagttaatgattaaccgcatgctacttatctacgtaCTCTG
GAGACGCGTTACATAACTTACGGTAAATGGCCCGCCTGGCTGACCGCCCAACGACCCCGCCATTG
ACGTCAATAATGACGTATGTTCCCATAGTAACGCCAATAGGGACTTTCCATTGACGTCAATGGGTGG
AGTATTTACGGTAACTGCCCACTTGGCAGTACATCAAGTGTATCATATGCCAAGTACGCCCCCTATT
GACGTCAATGACGGTAAATGGCCCGCCTGGCATTATGCCAGTACATGACCTTATGGGACTTTCTTA
CTTGGCAGTACATCTACGTATTAGTCATCGCTATTACCATGGTCGAGGTGAGCCCCACGTTCTGCTTC
ACTCTCCCCATCTCCCCCCCCCTCCCCACCCCAATTTGTATTTATTTATTTTAAATTATTTGTGCAGC
GATGGGGGCGGGGGGGGGGGGGGGCGCGCGCCAGGCGGGGCGGGGCGGGGCGAGGGGCGGGG
CGGGGCGAGGCGGAGAGGTGCGGCGGCAGCCAATCAGAGCGGCGCGCTCCGAAAGTTTCCTTTTA
TGCGGAGGCGGCGGCGGCGGCGGCCCTATAAAAAGCGAAGCGCGCGGCGGGCGGGAGTCGCTGC
GCGCTGCCTTCGCCCCGTGCCCCGCTCCGCCGCCGCTCGCGCCGCCCGCCCCGGCTCTGACTGACC
GCGTTACTCCACAGGTGAGCGGGCGGGACGGCCCTTCTCCTCCGGGCTGTAATTAGCGCTTGTTT
AATGACGGCTTGTTTCTTTCTGTGGCTGCGTGAAAGCCTTGAGGGGCTCCGGGAGGGCCCTTTGTG
CGGGGGGAGCGGCTCGGGGGGTGCGTGCGTGCTGTGTGCTGCGTGCGGAGCGCCGCTGCGGCTCC
GCGCTGCCGGCGGCTGTGAGCGCTGCGGGCGCGGCGGGGCTTTGTGCGCTCCGAGTGTGCG
CGAGGGGAGCGCGGCCGGGGGCGGTGCCCGCGGTGCGGGGGGGGCTGCGAGGGGAACAAAGG
CTGCGTGCGGGGTGTGTGCGTGCGGGGGGTGAGCAGGGGGTGTGGGCGCGTCCGTGCGGCTGCAA
CCCCCCTGCACCCCCCTCCCGAGTTGCTGAGCACGGCCCGGCTTCGGGTGCGGGGCTCCGTACGG
GGCGTGCGCGGGGCTGCGCGTGCCGGGCGGGGGGTGGCGGCAGGTGGGGGTGCCGGGCGGGG
CGGGGCCGCTCGGGCCGGGAGGGCTCGGGGAGGGGCGCGGCGGCCCGGAGCGCCGCGG
GCTGTCGAGGCGCGGCGAGCCGAGCCATTGCCTTTTATGGTAATCGTGCGAGAGGGGCGCAGGGA
CTTCCTTTGTCCAAATCTGTGCGGAGCCGAAATCTGGGAGGCGCCGCCGACCCCCCTCTAGCGGGC
GCGGGGCGAAGCGGTGCGGCGCCGGCAGGAAGGAAATGGGCGGGGAGGGCCTTCGTGCGTCCG
GCGCCGCCGTCCCCTTCTCCCTCTCCAGCCTCGGGGCTGTCCGCGGGGGGACGGCTGCCTTCGGGG
GGGACGGGGCAGGGCGGGGTTCCGCTTCTGGCGTGTGACCGGCGGCTCTAGAGCCTCTGCTAACC
ATGTTTCATGCCTTCTTCTTTTCTACAGCTCCTGGCAACGTGCTGTTATTGTGCTGTCTCATCATT
TTGGCAAAGAATTATGAGAGCCAGCAGCAAGAAGCTGACGGGTCGCCTCATGCTGGCCGTGGGA
GGAGCAGTGCTTGCTCCCTGCAGTTTGGCTACAACACTGGAGTCATCAATGCCCCCAGAAGGTG
ATCGAGGAGTTCTACAACCAGACATGGGTCCACCGCTATGGGAGAGCATCCTGCCACCACGCTC
ACCACGCTCTGGTCCCTCTCAGTGGCCATCTTTTCTGTTGGGGCATGATTGGCTCCTTCTGTGGG
CCTTTTCGTTAACCGCTTTGGCCGGCGGAATTCAATGCTGATGATGAACCTGCTGGCCTTCGTGTCCG
CCGTGCTCATGGGCTTCTCGAAACTGGGCAAGTCCTTTGAGATGCTGATCCTGGGCCGCTTCATCAT
CGGTGTGTAATGCGGCCTGACCACAGGCTTCGTGCCCATGTATGTGGGTGAAGTGTACCCACAGCC
CTTCGTGGGGCCCTGGGCACCTGCACCAGCTGGGCATCGTCGTCGGCATCCTCATCGCCAGGTGT

TCGGCCTGGACTCCATCATGGGCAACAAGGACCTGTGGCCCCTGCTGCTGAGCATCATCTTCATCCC
GGCCCTGCTGCAGTGCATCGTGCTGCCCTTCTGCCCCGAGAGTCCCCGCTTCCTGCTCATCAACCGCA
ACGAGGAGAACCGGGCCAAGAGTGTGCTAAAGAAGCTGCGCGGGACAGCTGACGTGACCCATGAC
CTGCAGGAGATGAAGGAAGAGAGTCGGCAGATGATGCGGGAGAAGAAGGTCACCATCCTGGAGCT
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CTGGCATCAACGCTGTCTTCTATTACTCCACGAGCATCTTCGAGAAGGCGGGGGTGAGCAGCCTGT
GTATGCCACCATTGGCTCCGGTATCGTCAACACGGCCTTCACTGTCGTGTCGCTGTTTGTGGTGAG
CGAGCAGGCCGGCGGACCCTGCACCTCATAGGCCTCGCTGGCATGGCGGGTGTGCCATACTCATG
ACCATCGCGCTAGCACTGCTGGAGCAGCTACCCTGGATGTCCTATCTGAGCATCGTGGCCATCTTTG
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GGGGGCTGATTCCCAAGTGTGATCATTGCCTGCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCC
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CACTGCAACCTCCTCCTCCCTGGGTTTctagtagataagtagcatggcgggttaatcattaactacaaggaaccctagt
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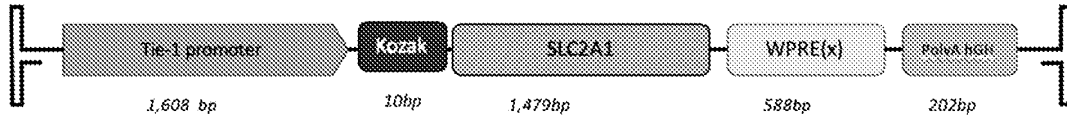
FIG. 3 (con't)

*FIG. 4***hFLT1-SLC2A1 – 3,745 bp**

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cgcgagagagggagtgcccaactccatcactaggggttcctttagttaatgattaacccgccatgctacttatctacgtaCTCTG
GAGACGCGTTACATATTTGCTTCTAGGAAGCAGAAGACTGAGGAAATGACTTGGGCGGGTGCATCA
ATGCGGCCAAAAAAGACACGGACACGCTCCCCTGGGACCTGAGCTGGTTCGAGTCTTCCCAAAGG
TGCCAAGCAAGCGTCAGTTCCTCAGGCGCTCCAGGTTCACTGCCTTGTGCCGAGGGTCTCCGGTG
CCTTCTAGACTTCTCGGGACAGTCTGAAGGGGTGAGGAGCGGGCGGGACAGCGCGGAAGAGCAG
GCAAGGGGAGACAGCCGACTGCGCCTCAGTCTCCGTGCCAAGAACACCGTCGCGGAGGCGCGG
CCAGTTCCTTGGATCGGACTTTCGCCCTAGGGCCAGGCGGCGGAGCTTCAGCCTTGTCCCTTCC
CCAGTTTCGGGCGGCCCCAGAGCTGAGTAAGCCGGGTGAGGGAGTCTGCAAGGATTCCTGAG
CGCGATGGGCAGGAGGAGGGGCAAGGGCAAGAGGGCGCGGAGCAAAGACCCTGAACCTGCCGG
GGCCGCGTCCCGGGCCCGCTCGCCAGCACCTCCACGCGCGCTCGGCCCGGGCCACCCGCC
TCGTGGCCCCCGCCCCTCTCCGTAGCCGAGGGAAGCGAGCCTGGGAGGAAGAAGAGGGTAGGT
GGGGAGGCGGATGAGGGGTGGGGGACCCCTTGACGTCACCAGAAGGAGGTGCCGGGGTAGGAA
GTGGGCTGGGGAAAGGTTATAAATCGCCCCCGCCCTCGGCTGCTCTTCATCGAGGTCCGCGGGAGG
CTCGGAGCGCGCCAGGCGGACACTCCTCTCGGCTCCTCCCGGCAGCGGCGGGCTCGGAGCGG
GCTCCGGGGCTCGGCTGCAGCGGCCAGCGGGCGCCTGGCGGCGAGGATTACCCGGGGAAGTGTT
GTCTCTGGCTGGAGCCGCGAGACGGGCGCTCAGGGCGCGGGGCGGCGGGCGGGAACAAGAGG
ACGGAATCTGGCGGCCGGGTGCTTGGCCGCGGGGAGCGCGGGCACCGGGCGAGCAGGCCGCGTC
GCGCTACCGCCACCATGGAGCCAGCAGCAAGAAGCTGACGGGTGCGCTCATGCTGGCCGTGGGA
GGAGCAGTGCTTGGCTCCCTGCAGTTTGGCTACAACACTGGAGTCATCAATGCCCCCAGAAGGTG
ATCGAGGAGTTCTACAACAGACATGGGTCCACCGCTATGGGGAGAGCATCTGCCACCACGCTC
ACCACGCTCTGGTCCCTCTCAGTGGCCATCTTTCTGTTGGGGCATGATTGGCTCCTTCTGTGGG
CCTTTTCGTTAACCGCTTGGCCGGCGGAATTCAATGCTGATGATGAACCTGCTGGCCTTCGTGTCCG
CCGTGCTCATGGGCTTCTCGAACTGGGCAAGTCCTTGGAGATGCTGATCCTGGGCCGCTTCATCAT
CGGTGTGTAAGCGGCTGACCACAGGCTTCGTGCCATGTATGTGGGTGAAGTGTACCCACAGCC
CTTCGTGGGGCCCTGGGCACCCTGCACCAGCTGGGCATCGTCTCGGCATCCTCATCGCCAGGTGT
TCGGCCTGGACTCCATCATGGGCAACAAGGACCTGTGGCCCTGCTGCTGAGCATCATCTTCATCCC
GGCCCTGCTGCAAGTGCATCGTGCTGCCCTTCTGCCCCGAGAGTCCCCGCTTCTGCTCATCAACCGCA
ACGAGGAGAACCGGGCCAAGAGTGTGCTAAAGAAGCTGCGCGGGACAGCTGACGTGACCCATGAC
CTGCAGGAGATGAAGGAAGAGAGTCGGCAGATGATGCGGGAGAAGAAGGTCACCATCCTGGAGCT
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CTGGCATCAACGCTGTCTTATTACTCCACGAGCATCTTCGAGAAGGCGGGGGTGCAGCAGCCTGT
GTATGCCACCATTTGGCTCCGGTATCGTCAACACGGCCTTCACTGTCTGTGCTGTTTGTGGTGGAG
CGAGCAGGCCGGCGGACCCTGCACCTCATAGGCTCGCTGGCATGGCGGGTGTGCCATACTCATG
ACCATCGCGTAGCACTGCTGGAGCAGCTACCCTGGATGTCTATCTGAGCATCGTGGCCATCTTG
GCTTTGTGGCCTTCTTTGAAGTGGGTCTGGCCCCATCCCATGGTTCATCGTGGCTGAACCTTTCAGC
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GCATGTGCTTCCAGTATGTGGAGCAACTGTGTGGTCCCTACGTCTTCATCATCTTCACTGTGCTCCTG

GTTCTGTTCTTCATCTTCACCTACTTCAAAGTTCCTGAGACTAAAGGCCGGACCTTCGATGAGATCGC
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GGGGGCTGATTCCCAAGTGTGATAATGGATCAACCTCTGGATTACAAAATTTGTGAAAGATTGACTG
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GGGCATTGCCACCACCTGTCAGCTCCTTTCGGGACTTTCGCTTTCCTCCCTATTGCCACGGCGG
AACTCATCGCCGCTGCCTTGCCCGCTGCTGGACAGGGGCTCGGCTGTTGGGCACTGACAATTCCGT
GGTGTGTCGGGGAAATCATCGTCCTTTCCTTGGCTGCTCGCCTGTGTTGCCACCTGGATTCTGCGCG
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GCTCTGCGGCCTCTTCCGCGTCTTCGCCTTCGCCCTCAGACGAGTCGGATCTCCCTTTGGGCCGCCTC
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CCTGTAGGGCCTGCGTTACCCAGGCTGGAGTGCAGTGGCACATTTCTGCTCACTGCAACCTCCTCCTC
CCTGGGTTTctacgtagataagtagcatggcgggtaataactacaaggaacccctagtgatggagttggccactccctctc
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gcgcgc

FIG. 4 (con't)

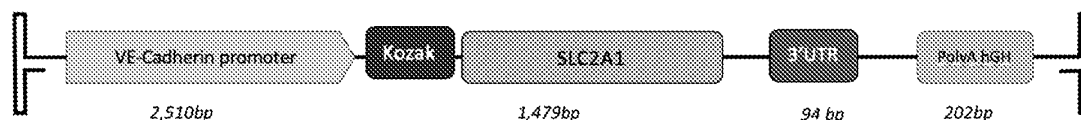
*FIG. 5***hTie1-SLC2A1 – 4,258 bp**

g c g c g c t c g t c g t c a c t g a g g c c g c c c g g g c a a g c c c g g g c g t c g g g c g a c c t t t g g t c g c c c g g c c t c a g t g a g c g a g c g a g
c g c g c a g a g g g a g t g g c c a a c c a t c a c t a g g g t t c c t t g t a g t t a a t g a t t a a c c c g c a t g c t a c t a t c t a c g t a C T C T G
G A G A C G C G T T A C A T A A G C T C C T C C C A G C C T C A G G C C C A G G A A T G G G A A T C T C T G T G G G T C A C A C A T C
A G T A G G G A G G T C T T T C C C G A T C C T T T T C T A T G C T A C T C C A G G A G T C A A A G C G T C T C C T G G G A C T T T T C
A G G G C G C T T C A G A A G A G C C C T G G G C C T A A A C C A G C T C A A C C A A G C T G C A G G G A C C C A G C C T C C T G A
G A A A A G T G A A T G T G A G C C C G G T G C A T T C A G A G G A G A A T G A A G C C T T C A C C C A G A A C A C A C T C T G G G
A A G A T G T C C C A G G C C C A G G G G A G G G T T T G T A C T A C C A G A C C T A A G T C A C C T A A A C T G A C A C C A A G
T C T C A T C C A T C C C A A C C A T T C C A T T C C G G G T C A G A G G G G T C A T C G A T T T A A C C A G C A A G G C T G C C C A T
C C A A C G G T T G C T C C C T C T G C T C C C T G G A A G G G C C T C C T C G T G G G C G T T C T G T A C C T A C A G G T C T T G T T
C C G T T C T G G G A A C T G C C A G T G G T G G C A A G A G G T G G A G C A A C G G G T G C C A G G G C A G G G A G A G G T G
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G C T C C C A G G T T G T T G T C A G C C G T C A A G A G T G A G T G C A C C T C C C T G G G C A G A C T T C T G C T G C C C C A G T
G C C C A G G A A T A G G C A G G G G T T T G C C G C A A A T G A A T G A C A C C T G G C A G A C A A T A A G C T G A A G C T T T
C A T T A G C A G C T T A A G C T G A G G A C T A T C T A T G C A A C C G A T A C T C C C T G T G T G C T C C C C G G A C T G C T T A
A T G T G A G C C C T T G T G G A G C G A T T G G C A C C A A G A A G C A A G G A C T A A G T C A G A A G T T C A A G T C C C A G
C C T T G C C A C A G C C T C A G G G T G C C C T C G A G C A C A G C A A G C C T C A G T T T T C C A T C T G T A C A A T G A G A G
A G G T A C A C A A G G T A G A C T C G A A G G C T C T T T G T T G C C A G G G C C C T G T G T T C C T T T G A G T G T A T G T G C T
T C T C A G G C C C A C A G A G G T C C T T T G T G T T T C G T A T G T G A A C T G C T C T C T A G G A A C C C A T G T A A C T G T C
T G T G T C C T G G G G C A C A T A C A T G A G G A C T C A T G T G G G C C G T A T T G T G T T T G T G C C G G G G G A G G G
G A G A C C C C A G A A C A T G T C C C C A C C C C A C C C C C T C C T C A A T A G G C G G A A G C C A C T G G C T T C C T C C C
T T T C C T G C C T C C T G C C T C C T T T G T G C C A G C A A G A C T G A G T A C T G G A G A G A G A C A G G G G A T G G G A A A
A A T C A G T C C A G C T G T C C C C A G G T G T G C C C T T A C C A T A A C C T T C C C C C A C C T C A A G T G A C T C C T C C C A
G G C C A C A C C C A T C C C C A G C C T T G T G G G G G C C A G A T T G G G G G C C T A G A G G C T C A A A G G C A G A A T G
A G T C C T C C C A C C C C T A C C C T G C C A C C C T C C C A C C C A A G C C A C C T C A T T T C C T T C C T C C C C A G C A C
C G A C C C A C A C T G A C C A A C A C A G G C T G A G C A G T C A G G C C C A C A G C A T C T G A C C C A G G C C C A G C T C G
T C C T G G C T G G C C T G G G T C G G C C T C T G G A G T G C C A C C A T G G A G C C C A G C A G C A A G A A G C T G A C G G G T
C G C C T C A T G C T G G C C G T G G G A G G A G C A G T G C T T G G C T C C C T G C A G T T T G G C T A C A A C A C T G G A G T C
A T C A A T G C C C C C A G A A G G T G A T C G A G G A G T T C T A C A A C C A G A C A T G G G T C C A C C G C T A T G G G G A G
A G C A T C C T G C C C A C C A C G C T C A C C A C G C T C T G G T C C C T C T C A G T G G C C A T C T T T C T G T T G G G G C A T
G A T T G G C T C C T T C T C T G T G G G C C T T T C G T T A A C C G C T T T G G C C G G C G G A A T T C A A T G C T G A T G A T G A
A C C T G C T G G C C T T C G T G T C C G C C G T G C T C A T G G G C T T C T C G A A A C T G G G C A A G T C C T T T G A G A T G C T
G A T C C T G G G C C G C T T C A T C A T C G G T G T G T A C T G C G G C C T G A C C A C A G G C T T C G T G C C C A T G T A T G T G
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G G C A T C C T C A T C G C C C A G G T G T T C G G C C T G G A C C C A T C A T G G G C A A C A A G G A C C T G T G G C C C T G C
T G C T G A G C A T C A T T T C A T C C C G G C C C T G C T G C A G T G C A T C G T G C T G C C C T T C T G C C C C A G A G T C C C
C G C T T C C T G C T C A T C A A C C G C A A C G A G A A C C G G G C C A A G A G T G T G C T A A A G A A G C T G C G C G G G
A C A G C T G A C G T G A C C C A T G A C C T G C A G G A G A T G A A G G A A G A G A G T C G G C A G A T G A T G C G G G A G A A
G A A G G T C A C C A T C C T G G A G C T G T T C G C T C C C C C G C C T A C C G C C A G C C C A T C C T C A T C G C T G T G G T G C

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TGTCGCTGTTTGTGGTGGAGCGAGCAGGCCGGCGGACCCTGCACCTCATAGGCCTCGCTGGCATGG
CGGGTTGTGCCATACTCATGACCATCGCGCTAGCACTGCTGGAGCAGCTACCCTGGATGTCCTATCT
GAGCATCGTGGCCATCTTTGGCTTTGTGGCCTTCTTTGAAGTGGGTCTGGCCCCATCCCATGGTTCA
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TCATCTTCACTGTGCTCCTGGTTCTGTTCTTCATCTTCACCTACTTCAAAGTTCCTGAGACTAAAGGCC
GGACCTTCGATGAGATCGCTTCCGGCTTCCGGCAGGGGGGAGCCAGCCAAAGTGACAAGACACCCG
AGGAGCTGTTCCATCCCCTGGGGGCTGATTCCCAAGTGTGATAATGGATCAACCTCTGGATTACAAA
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FIG. 5 (con't)

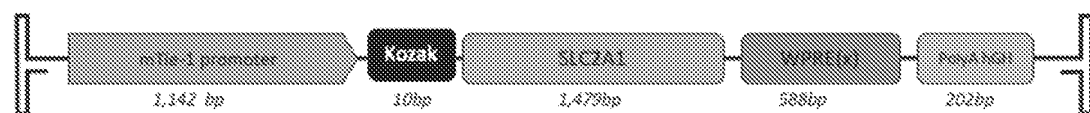
VE-Cadherin-SLC2A1 – 4,716 bp



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 GCCCATGTATGTGGGTGAAGTGTACCCACAGCCCTTCGTGGGGCCCTGGGCACCCTGCACCAGCT
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 CACGGCCTTCACTGTGCTGCTGCTGTTTGTGGTGGAGCGAGCAGGCCGGCGGACCCTGCACCTCATA
 GGCCTCGCTGGCATGGCGGGTTGTGCCATACTCATGACCATCGCGCTAGCACTGCTGGAGCAGCTA
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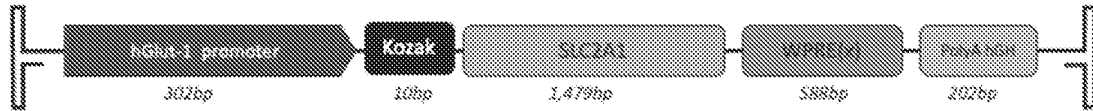
FIG. 6 (con't)

*FIG. 7***mTie1-SLC2A1 – 3,850 bp**

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CCATGACCTGCAGGAGATGAAGGAAGAGAGTCGGCAGATGATGCGGGAGAAGAAGGTACCATCC
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CAGCTGTCTGGCATCAACGCTGTCTTCTATTACTCCACGAGCATCTTCGAGAAGGCGGGGGTGCAGC
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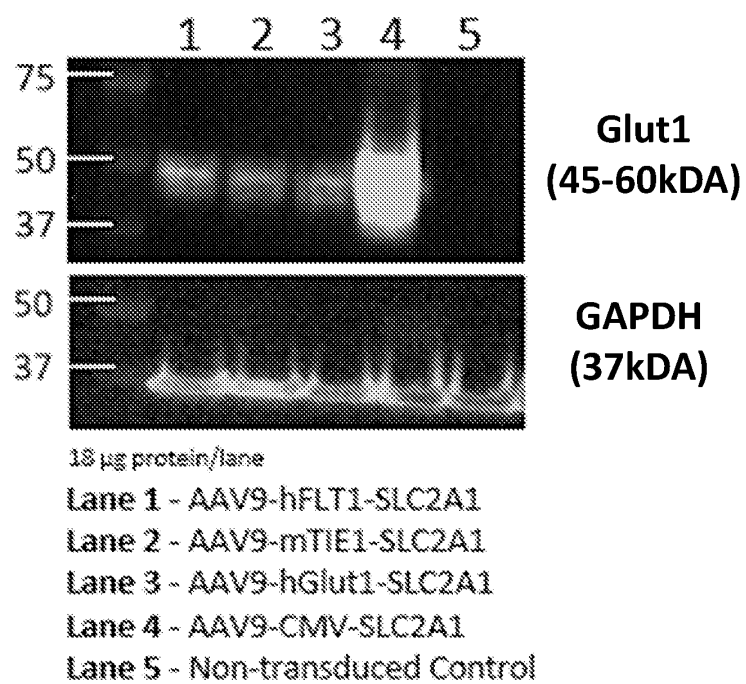
FIG. 7 (con't)

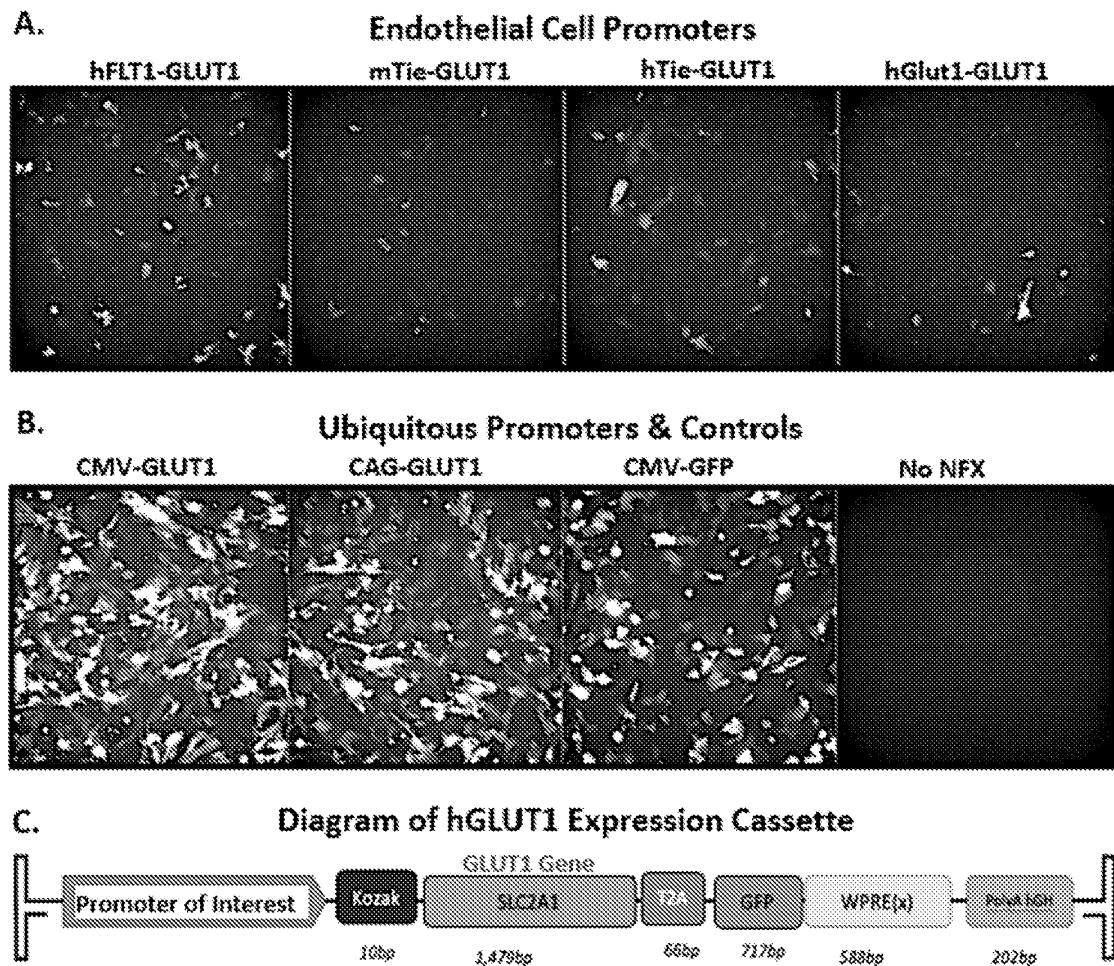
*FIG. 8***hGLUT-SLC2A1 – 3,010 bp**

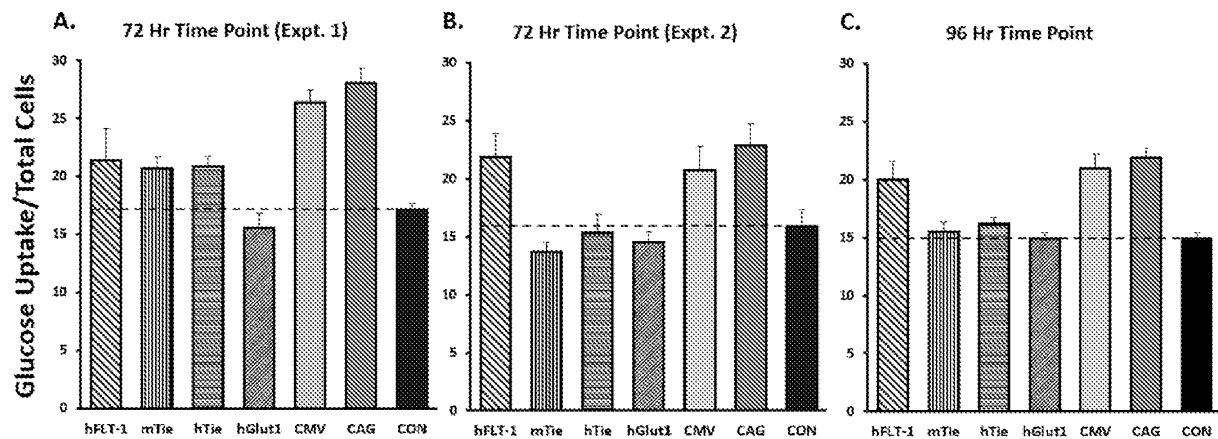
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CGTCGCCAGCCAATGGCCGGGGTCTATAAACGCTACGGTCCGCGCGCTCTTGCCACCATGGAGCC
CAGCAGCAAGAAGCTGACGGGTGCGCTCATGCTGGCCGTGGGAGGAGCAGTGCTTGGCTCCCTGCA
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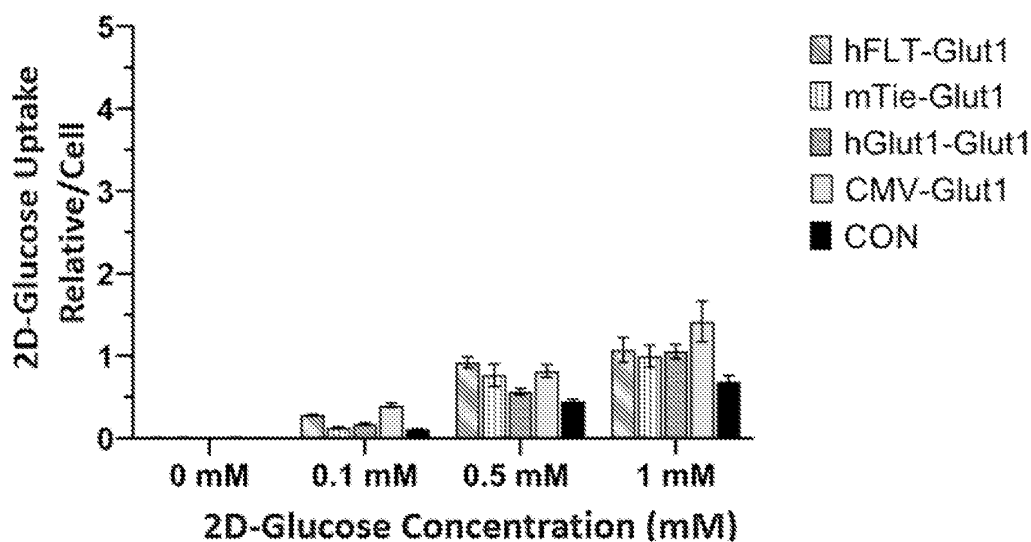
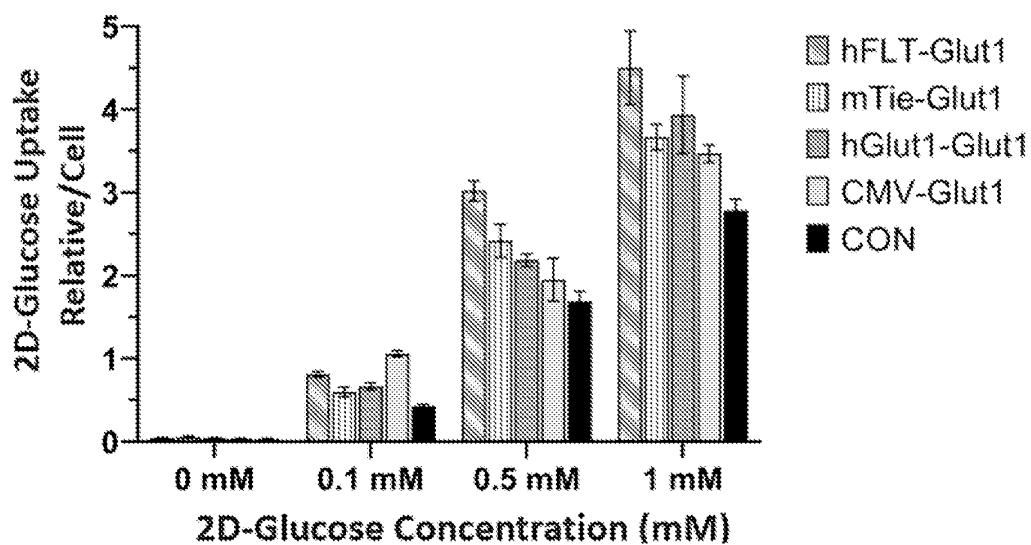
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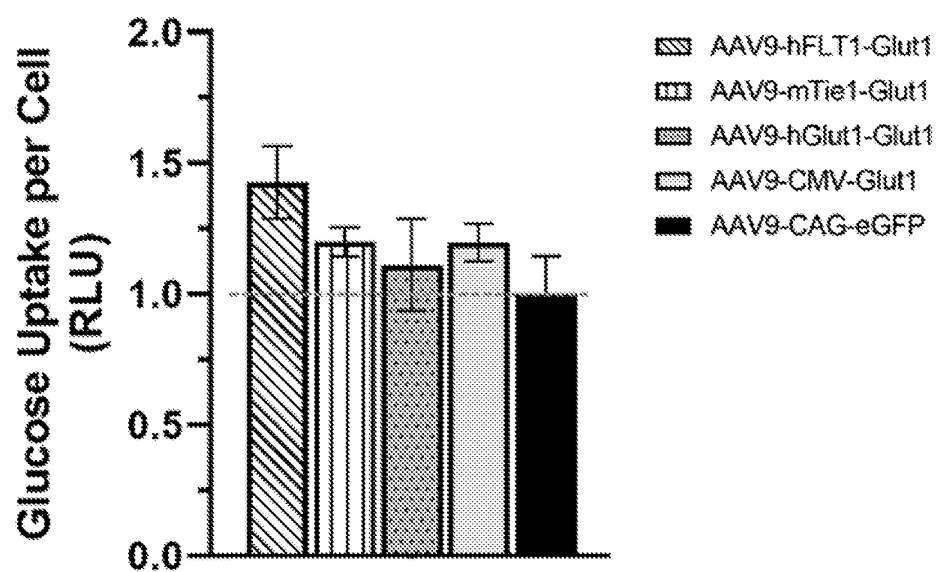
FIG. 8 (con't)

**FIG. 9**

**FIGs. 10A-10C**

*FIGs. 11A-11C*

72 Hr Time Point**FIG. 12A****96 Hr Time Point****FIG. 12B**

**FIG. 13**