

SEQ ID 1 (141bp)

CCCGAGGAACTGGACAGCGTGTCGAAAAAGTTGCTTTTTTATATAAAGGA
CACGAAAAGGGTTCTCTGGAAGATATAAATATGGCTATGTAATTCTAAAG
ATTAACGTGTTACTGTTTTACTTTTTTAAAGTCCCCAAGAG

FIG. 1

SEQ ID 2 (444 bp) NM_000371

ATGGCTTCTCATCGTCTGCTCCTCCTCTGCCTTGCTGGACTGGTATTTGTG
TCTGAGGCTGGCCCTACGGGCACCGGTGAATCCAAGTGTCTCTGATGGT
CAAAGTTCTAGATGCTGTCCGAGGCAGTCCTGCCATCAATGTGGCCGTGC
ATGTGTTTCTAGAAAGGCTGCTGATGACACCTGGGAGCCATTTGCCTCTGGG
AAAACCAAGTGAGTCTGGAGAGCTGCATGGGCTCACAACTGAGGAGGAAT
TTGTAGAAGGGATATACAAAGTGGAAATAGACACCAAATCTTACTGGAA
GGCACTTGGCATCTCCCCATTCCATGAGCATGCAGAGGTGGTATTACAG
CCAACGACTCCGGCCCCCGCCGCTACACCATTTGCCGCCCTGCTGAGCCCC
TACTCCTATTCCACCACGGCTGTCGTCACCAATCCCAAGGAATGA

FIG. 2

SEQ ID 3 (1152 bp) NM_016843

ATGGCTGAGCCCCGCCAGGAGTTCTGAAGTGATGGAAGATCACGCTGGGAC
GTACGGGTTGGGGGACAGGAAAGATCAGGGGGGCTACACCATGCACCAA
GACCAAGAGGGGTGACACGGACGCTGGCCTGAAAGCTGAAGAAGCAGGCA
TTGGAGACACCCCCAGCCTGGAAGACGAAGCTGCTGGTCACGTGACCCAA
GCTCGCATGGTCAGTAAAAGCAAAGACGGGACTGGAAGCGATGACAAAA
AAGCCAAGGGGGGCTGATGGTAAAACGAAGATCGCCACACCGCGGGGAGC
AGCCCCTCCAGGCCAGAAGGGCCAGGCCAACGCCACCAGGATTCCAGCA
AAAACCCCGCCCGCTCCAAAGACACCACCCAGCTCTGGTGAACCTCCAAA
ATCAGGGGATCGCAGCGGCTACAGCAGCCCCGGCTCCCCAGGCACTCCCG
GCAGCCGCTCCCGCACCCCCGTCCCTTCCAACCCACCCACCCGGGAGCCC
AAGAAGGTGGCAGTGGTCCGTACTCCACCCAAGTCGCCGTCTTCCGCCAA
GAGCCGCCTGCAGACAGCCCCCGTGCCCATGCCAGACCTGAAGAATGTCA
AGTCCAAGATCGGCTCCACTGAGAACCTGAAGCACCAGCCGGGAGGCGG
GAAGGTGCAGATAATTAATAAGAAGCTGGATCTTAGCAACGTCCAGTCCA
AGTGTGGCTCAAAGGATAATATCAAACACGTCCCGGGAGGCGGCAGTGTG
CAAATAGTCTACAAACCAGTTGACCTGAGCAAGGTGACCTCCAAGTGTGG
CTCATTAGGCAACATCCATCATAAACCAGGAGGTGGCCAGGTGGAAGTAA
AATCTGAGAAGCTTGACTTCAAGGACAGAGTCCAGTCGAAGATTGGGTCC
CTGGACAATATCACCCACGTCCCTGGCGGAGGAAATAAAAAAGATTGAAAC
CCACAAGCTGACCTTCCGCGAGAACGCCAAAGCCAAGACAGACCACGGG
GCGGAGATCGTGTACAAGTCGCCAGTGGTGTCTGGGGACACGTCTCCACG
GCATCTCAGCAATGTCTCCTCCACCGGCAGCATCGACATGGTAGACTCGC
CCCAGCTCGCCACGCTAGCTGACGAGGTGTCTGCCTCCCTGGCCAAGCAG
GGTTTGTGA

FIG. 3

SEQ ID 4 (4443 bp) NM_000492

ATGCAGAGGTCGCCTCTGGAAAAGGCCAGCGTTGTCTCCAAACTTTTTTT
CAGCTGGACCAGACCAATTTTGAGGAAAGGATACAGACAGCGCCTGGAA
TTGTCAGACATATACCAAATCCCTTCTGTTGATTCTGCTGACAATCTATCT
GAAAAATTGGAAAGAGAATGGGATAGAGAGCTGGCTTCAAAGAAAAATC
CTAAACTCATTAATGCCCTTCGGCGATGTTTTTTCTGGAGATTTATGTTCT
ATGGAATCTTTTTATATTTAGGGGAAGTCACCAAAGCAGTACAGCCTCTC
TACTGGGAAGAATCATAGCTTCCTATGACCCGGATAACAAGGAGGAAC
GCTCTATCGCGATTTATCTAGGCATAGGCTTATGCCTTCTCTTTATTGTGA
GGACACTGCTCCTACACCCAGCCATTTTGGCCTTCATCACATTGGAATG
CAGATGAGAATAGCTATGTTTAGTTTGATTTATAAGAAGACTTTAAAGCT
GTCAAGCCGTGTTCTAGATAAAATAAGTATTGGACAACCTGTTAGTCTCC
TTTCCAACAACCTGAACAAATTTGATGAAGGACTTGCATTGGCACATTTTC
GTGTGGATCGCTCCTTTGCAAGTGGCACTCCTCATGGGGCTAATCTGGGA
GTTGTTACAGGCGTCTGCCTTCTGTGGACTTGGTTTCCTGATAGTCCTTGC
CCTTTTTTCAGGCTGGGCTAGGGAGAATGATGATGAAGTACAGAGATCAG
AGAGCTGGGAAGATCAGTGAAAGACTTGTGATTACCTCAGAAATGATTG
AAAATATCCAATCTGTTAAGGCATACTGCTGGGAAGAAGCAATGGAAAA
AATGATTGAAAACCTTAAGACAAACAGAACTGAAACTGACTCGGAAGGCA
GCCTATGTGAGATACTTCAATAGCTCAGCCTTCTTCTTCTCAGGGTTCTTT
GTGGTGTTTTTATCTGTGCTTCCCTATGCACTAATCAAAGGAATCATCCTC
CGGAAAATATTCACCACCATCTCATTCTGCATTGTTCTGCGCATGGCGGT
CACTCGGCAATTTCCCTGGGCTGTACAAACATGGTATGACTCTCTTGGAG
CAATAAACAAAATACAGGATTTCTTACAAAAGCAAGAATATAAGACATT
GGAATATAACTTAACGACTACAGAAGTAGTGATGGAGAATGTAACAGCC
TTCTGGGAGGAGGGATTTGGGGAATTATTTGAGAAAGCAAAACAAAACA
ATAACAATAGAAAACTTCTAATGGTGATGACAGCCTCTTCTTCAGTAAT
TTCTCACTTCTTGGTACTCCTGTCCTGAAAGATATTAATTTCAAGATAGAA
AGAGGACAGTTGTTGGCGGTTGCTGGATCCACTGGAGCAGGCAAGACTT
CACTTCTAATGGTGATTATGGGAGAAGTGGAGCCTTCAGAGGGTAAAATT
AAGCACAGTGGAAGAATTTCAATTCTGTTCTCAGTTTTCTGATTATGCCT
GGCACCATTAAAGAAAATATCATCTTTGGTGTTCCTATGATGAATATAG
ATACAGAAGCGTCATCAAAGCATGCCAACTAGAAGAGGACATCTCCAAG
TTTGCAGAGAAAGACAATATAGTTCTTGGAGAAGGTGGAATCACACTGA
GTGGAGGTCAACGAGCAAGAATTTCTTTAGCAAGAGCAGTATACAAAGA
TGCTGATTTGTATTTATTAGACTCTCCTTTTGGATACCTAGATGTTTAAAC
AGAAAAAGAAATATTTGAAAGCTGTGTCTGTAAACTGATGGCTAACAAA
ACTAGGATTTTGGTCACTTCTAAAATGGAACATTTAAAGAAAGCTGACAA
AATATTAATTTTGCATGAAGGTAGCAGCTATTTTTATGGGACATTTTCAG
AACTCCAAAATCTACAGCCAGACTTTAGCTCAAAACTCATGGGATGTGAT
TCTTTCGACCAATTTAGTGCAGAAAGAAGAAATTCAATCCTAACTGAGAC
CTTACACCGTTTCTCATTAGAAGGAGATGCTCCTGTCTCCTGGACAGAAA
CAAAAAACAATCTTTTAAACAGACTGGAGAGTTTGGGGAAAAAAGGAA
GAATTCTATTCTCAATCCAATCAACTCTATACGAAAATTTTCCATTGTGCA
AAAGACTCCCTTACAAATGAATGGCATCGAAGAGGATTCTGATGAGCCTT
TAGAGAGAAGGCTGTCCTTAGTACCAGATTCTGAGCAGGGAGAGGCGAT
ACTGCCTCGCATCAGCGTGATCAGCACTGGCCCCACGCTTCAGGCACGAA
GGAGGCAGTCTGTCCTGAACCTGATGACACACTCAGTTAACCAAGGTCAG
AACATTCACCGAAAGACAACAGCATCCACACGAAAAGTGTCACTGGCCC

CTCAGGCAAACCTTGACTGAACTGGATATATATTCAAGAAGGTTATCTCAA
GAAACTGGCTTGGAAATAAGTGAAGAAATTAACGAAGAAGACTTAAAGG
AGTGCTTTTTTGGATGATATGGAGAGCATACCAGCAGTGACTACATGGAAC
ACATACCTTCGATATATTACTGTCCACAAGAGCTTAATTTTTGTGCTAATT
TGGTGCTTAGTAATTTTTCTGGCAGAGGTGGCTGCTTCTTTGGFTGTGCTG
TGGCTCCTTGGAAACACTCCTCTTCAAGACAAAGGGAATAGTACTCATAG
TAGAAATAACAGCTATGCAGTGATTATCACCAGCACCAGTTCGTATTATG
TGTTTTACATTTACGTGGGAGTAGCCGACACTTTGCTTGCTATGGGATTCT
TCAGAGGTCTACCACTGGTGCATACTCTAATCACAGTGTGCGAAAATTTTA
CACCACAAAATGTTACATTCTGTTCTTCAAGCACCTATGTCAACCCTCAA
CACGTTGAAAGCAGGTGGGATTCTTAATAGATTCTCCAAAGATATAGCAA
TTTTGGATGACCTTCTGCCTCTTACCATAATTTGACTTCATCCAGTTGTTATT
AATTGTGATTGGAGCTATAGCAGTTGTCGCAGTTTTACAACCCTACATCTT
TGTTGCAACAGTGCCAGTGATAGTGGCTTTTATTATGTTGAGAGCATATTT
CCTCCAAACCTCACAGCAACTCAAACAACCTGGAATCTGAAGGCAGGAGT
CCAATTTTCACTCATCTTGTTACAAGCTTAAAAGGACTATGGACACTTCGT
GCCTTCGGACGGCAGCCTTACTTTGAACTCTGTTCCACAAAGCTCTGAA
TTTACATACTGCCAACTGGTTCTTGTACCTGTCAACACTGCGCTGGTTCCA
AATGAGAATAGAAATGATTTTTGTTCATCTTCTTCATTGCTGTTACCTTCAT
TTCCATTTTAACAACAGGAGAAGGAGAAGGAAGAGTTGGTATTATCCTG
ACTTTAGCCATGAATATCATGAGTACATTGCAGTGGGCTGTAAACTCCAG
CATAGATGTGGATAGCTTGATGCGATCTGTGAGCCGAGTCTTTAAGTTCA
TTGACATGCCAACAGAAGGTAAACCTACCAAGTCAACCAAACCATACAA
GAATGGCCAACCTCTCGAAAGTTATGATTATTGAGAATTCACACGTGAAGA
AAGATGACATCTGGCCCTCAGGGGGCCAAATGACTGTCAAAGATCTCAC
AGCAAAATACACAGAAGGTGGAAATGCCATATTAGAGAACATTTCTTCT
CAATAAGTCCTGGCCAGAGGGTGGGCCTCTTGGGAAGAACTGGATCAGG
GAAGAGTACTTTGTTATCAGCTTTTTTGAGACTACTGAACACTGAAGGAG
AAATCCAGATCGATGGTGTGTCTTGGGATTCAATAACTTTGCAACAGTGG
AGGAAAGCCTTTGGAGTGATACCACAGAAAGTATTTATTTTTCTGGAAC
ATTTAGAAAAAACTTGGATCCCTATGAACAGTGGAGTGATCAAGAAATA
TGGAAAGTTGCAGATGAGGTTGGGCTCAGATCTGTGATAGAACAGTTTCC
TGGGAAGCTTGACTTTGTCCTTGTGGATGGGGGCTGTGTCCTAAGCCATG
GCCACAAGCAGTTGATGTGCTTGGCTAGATCTGTTCTCAGTAAGGCGAAG
ATCTTGCTGCTTGATGAACCCAGTGCTCATTGATCCAGTAACATACCA
AATAATTAGAAGAACTCTAAAACAAGCATTGCTGATTGCACAGTAATTC
TCTGTGAACACAGGATAGAAGCAATGCTGGAATGCCAACAATTTTTGGTC
ATAGAAGAGAACAAGTGCGGCAGTACGATTCCATCCAGAACTGCTGA
ACGAGAGGAGCCTCTTCCGGCAAGCCATCAGCCCCTCCGACAGGGTGAA
GCTCTTTCCCAACCGGAACTCAAGCAAGTGCAAGTCTAAGCCCCAGATTG
CTGCTCTGAAAGAGGAGACAGAAGAAGAGGTGCAAGATACAAGGCTTTA
G

FIG 4

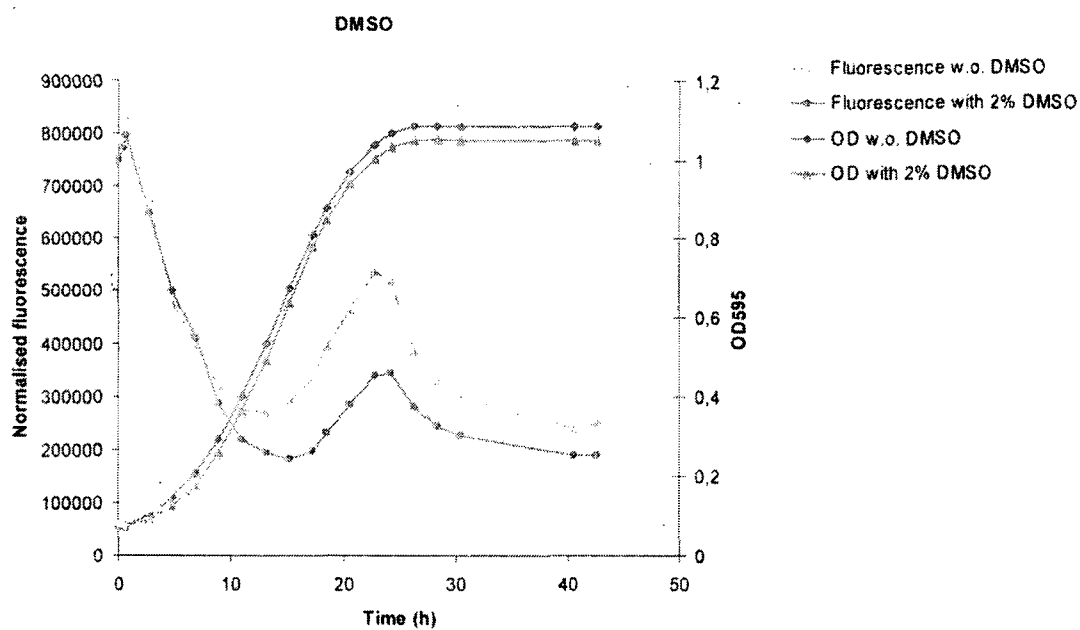


FIG. 5

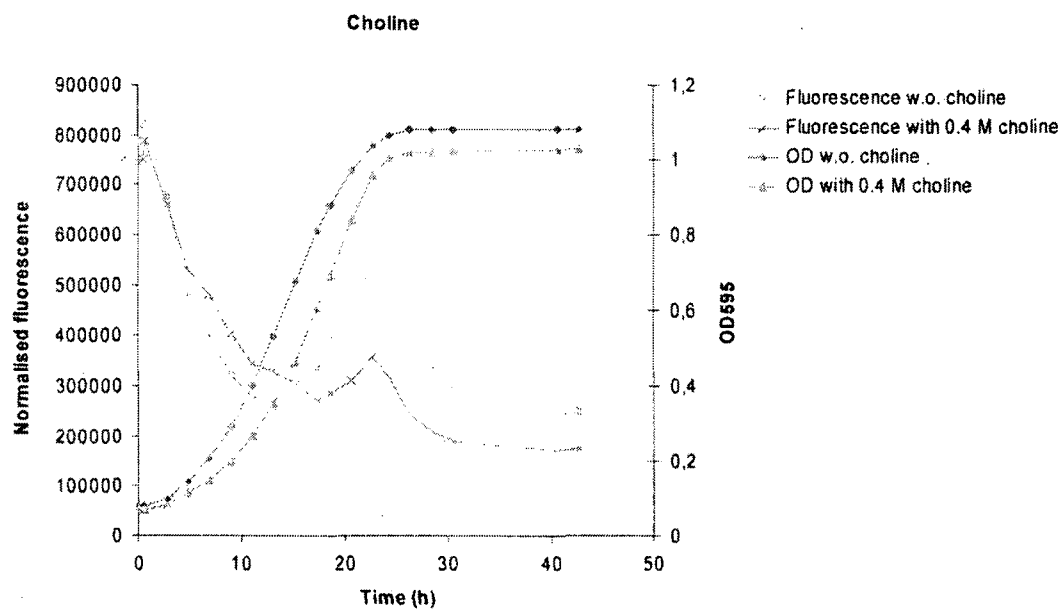


FIG. 6

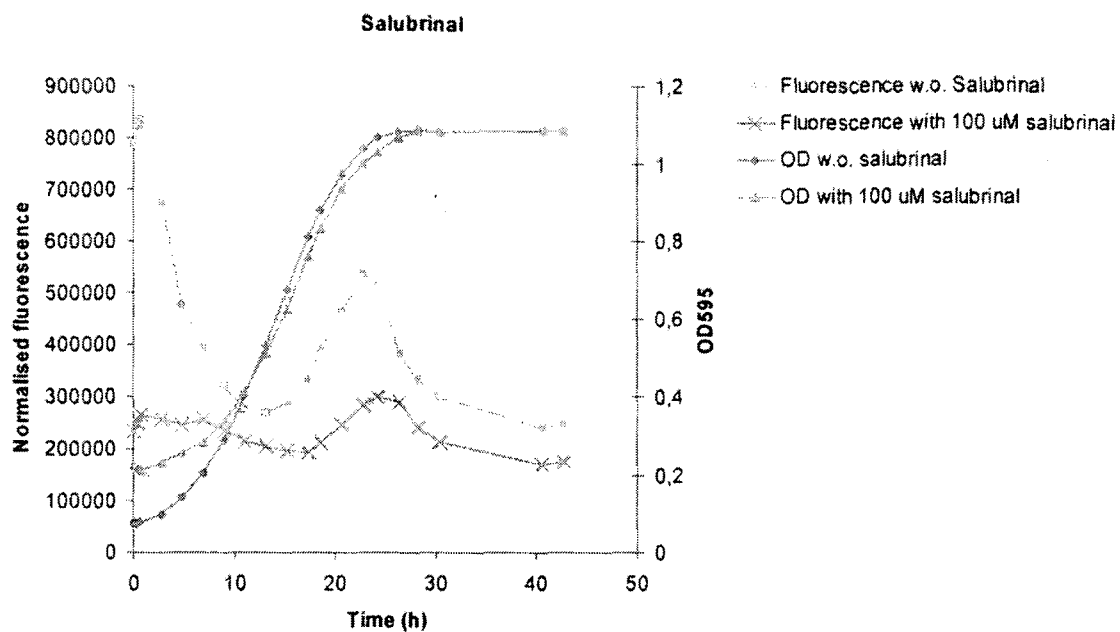


FIG. 7

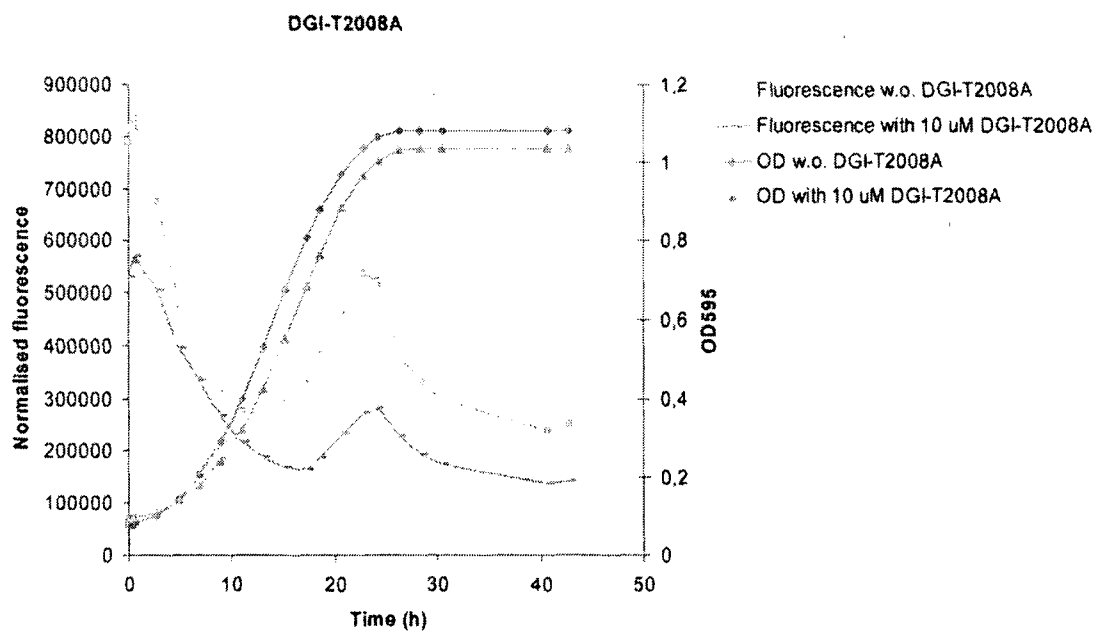


FIG. 8

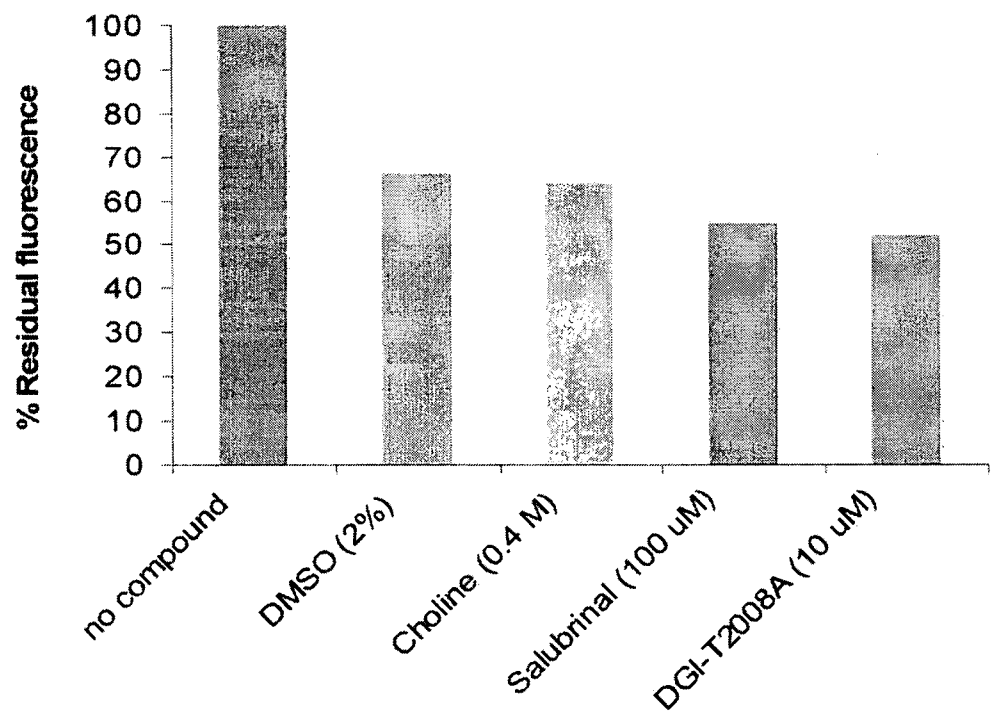


FIG. 9

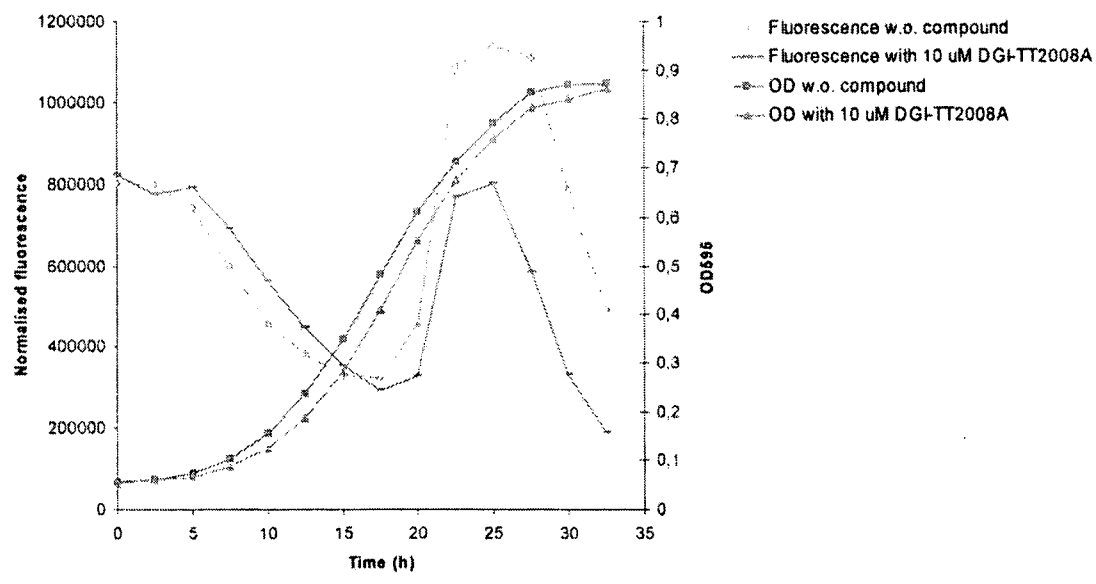


FIG. 10