Figure 1A. Integration at SEQ ID NO:1 locus:

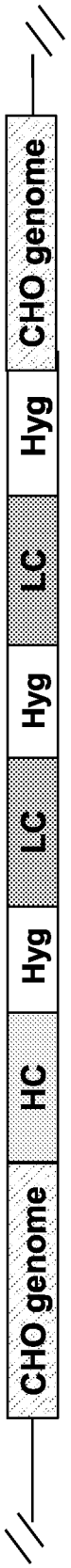
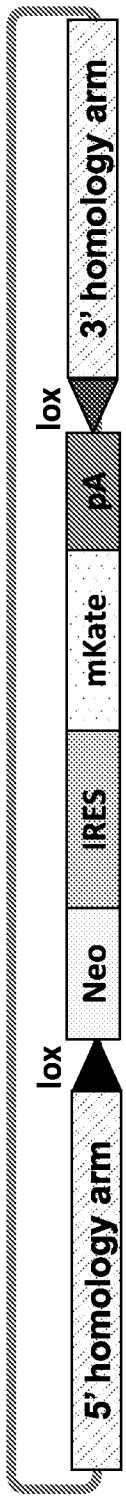
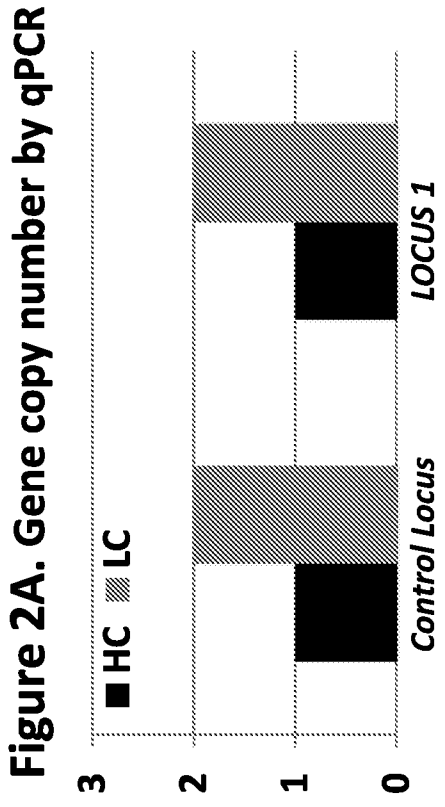
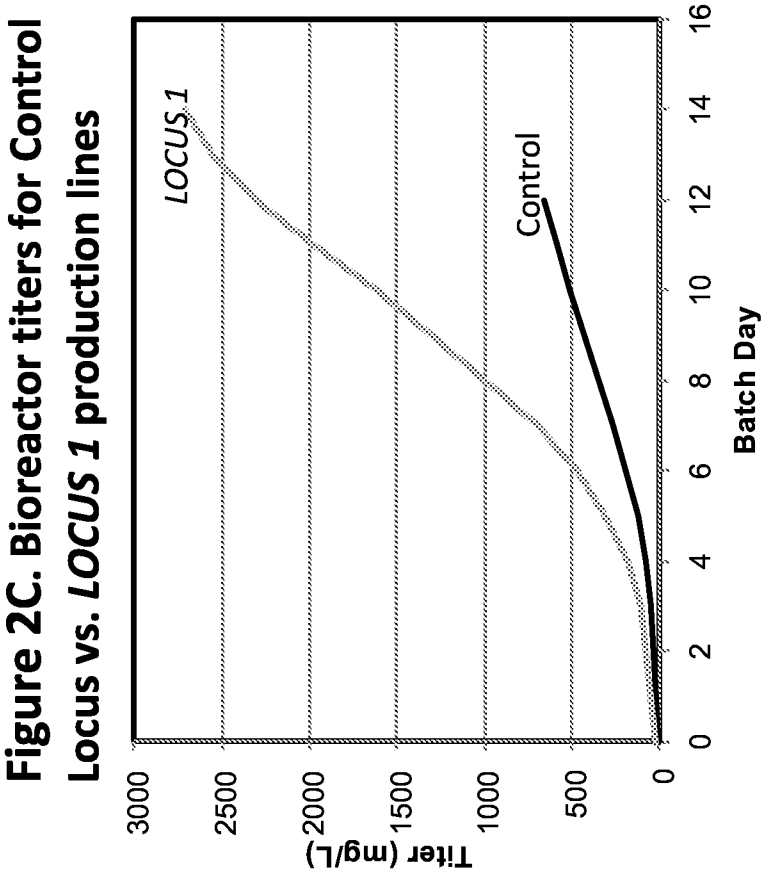



Figure 1B. Flourescent marker donor vector:




Figure 2A. Gene copy number by qPCR
HC
LC
3
2
1
0
Control Locus
LOCUS 1


Figure 2C. Bioreactor titers for Control Locus vs. LOCUS 1 production lines
LOCUS 1
Control
Titer (mg/L)
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
Batch Day

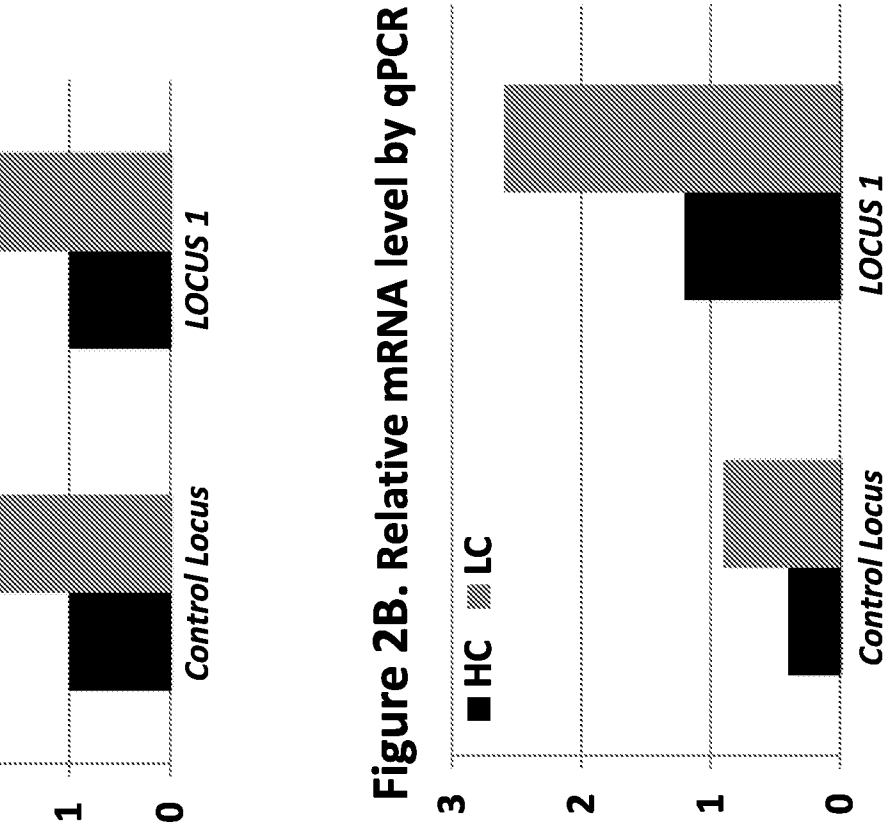

Figure 2B. Relative mRNA level by qPCR
HC
LC
3
2
1
0
Control Locus
LOCUS 1

Figure 3B

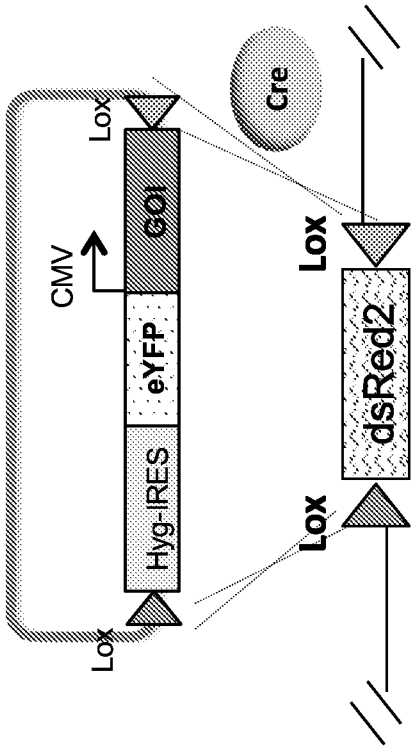



Figure 3A

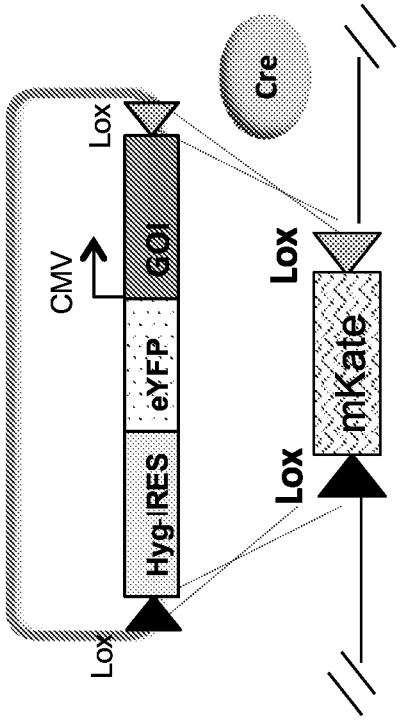


**Figure 4. Engineered LOCUS 1 supports RMCE and high-level transcription**

