WHAT IS CLAIMED IS:

1. A recombinant nucleic acid comprising a transgene, the transgene comprising in 5’ to 3’orientation:

a first splice acceptor, a first coding sequence, a first terminator, a second terminator reverse complement, a second coding sequence reverse complement, and a second splice acceptor reverse complement, or

a first splice acceptor, a first coding sequence, a bidirectional terminator, a second coding sequence reverse complement, and a second splice acceptor reverse complement;

wherein the first coding sequence encodes an amino acid sequence, and the second coding sequence encodes the same amino acid sequence as the first coding sequence.

2. The recombinant nucleic acid of claim 1, wherein the first coding sequence and second coding sequence comprise different polynucleotide sequences, but each encodes the same amino acid sequence.

3. A recombinant non-viral vector comprising the recombinant nucleic acid of claim 1 or claim 2.

4. A recombinant viral vector comprising the recombinant nucleic acid of claim 1 or claim 2.

5. The viral vector of claim 4, wherein the viral vector is selected from the group consisting of an adenovirus vector, an adeno-associated virus vector, and a lentivirus vector.