



### The sequence of pSHAG-MAGIC2

5' MSCV LTR

Packaging signal

U6 promoter + 27nt leader sequence...2003-2515

5' mir30 context...2515-2634

Cloning site [*XhoI*-*EcoRI*] 2634-2646

3' mir30 context...2646-2760

U6 terminator...2760-2764

Barcode cloning site [*MfeI*-*MluI*]... 2765-2799

Chloramphenicol resistance gene...2809-3763

PGK-PURO

3' MSCV-"SIN"-LTR

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1  CTTCCCAACC TTACCAGAGG GCGCCCCAGC TGTCCGAAAT ATTATAAATT
51  ATCGCACACA TAAAAACCAT GCTGTTGGTG TGTCTATTAA ATCGGCAACT
101 GTTGGGAAGG GCGATCGGTG CGGGCCTCTT CGCTATTACG CCAGCTGGCG
151 AAAGGGGGAT GTGCTGCAAG GCGATTAAGT TGGGTAACGC CAGGGTTTTT
201 CCAGTCACGA CGTTGTAAAA CGACGGCGCA AGGAATGGTG CATGCAAGGA
251 GATGGCGCCC AACAGTCCCC CGGCCACGGG GCCTGCCACC ATACCCACGC
301 CGAAACAAGC GCTCATGAGC CCGAAGTGGC GAGCCCGATC TTCCCCATCG
351 GTGATGTCGG CGATATAGGC GCCAGCAACC GCACCTGTGG CGCCGGTGAT
401 GCCGGCCACG ATGCGTCCGG CGTAGAGGCG ATTAGTCCAA TTTGTTAAAG

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