

Supplementary table 1

shRNA sequences of H19 and VGF

names	sequence (5'to3')
shH19-1A Forward	CCGGGCAAGAAGCGGGTCTGTTTCTCTCG AGAGAAACAGACCCGCTTCTTGCTTTTTG
shH19-1A	AATTCAAAAAGCAAGAAGCGGGTCTGTTT

Reverse	CTCTCGAGAGAAACAGACCCGCTTCTTGC
shH19-2A Forward	CCGGGGAGTGAATGAGCTCTCAGGACTCG AGTCCTGAGAGCTCATTCACTCCTTTTTG
shH19-2A Reverse	AATTCAAAAAGGAGTGAATGAGCTCTCAG GACTCGAGTCCTGAGAGCTCATTCACTCC
shH19-3A Forward	CCGGGCACTACCTGACTCAGGAATCCTCG AGGATTCCTGAGTCAGGTAGTGCTTTTTG
shH19-3A Reverse	AATTCAAAAAGCACTACCTGACTCAGGAA TCCTCGAGGATTCCTGAGTCAGGTAGTGC
shVGF-a Forward	CCGGGCTGCTCCAGTATTTGCTGCACGA ATGCAGCAAATACTGGAGCAGCTTTTTTG
shVGF-a Reverse	AATTCAAAAAGCTGCTCCAGTATTTGC TGCATTCGTGCAGCAAATACTGGAGCAGC
shVGF-b Forward	CCGGGACGATCGACAGCCTCATTGACGA ATCAATGAGGCTGTCGATCGTCTTTTTTG
shVGF-b Reverse	AATTCAAAAAGACGATCGACAGCCTCA TTGATTCGTCAATGAGGCTGTCGATCGTC
shVGF-c Forward	CCGGGCGAGATTTTCAGTCCAAGTAGCGA ACTACTTGGACTGAAATCTCGCTTTTTTG
shVGF-c Reverse	AATTCAAAAAGCGAGATTTTCAGTCCAA GTAGTTCGCTACTTGGACTGAAATCTCGC