

Appendix C

Plasmid Insert Sequences for pGL2-VEGF-*Luc* and pCSJ-FLT1 Plasmids

Plasmid Insert Sequences for Quantitative DNase I Titration Footprint Analysis

Plasmid Information for pGL2-VEGF-*Luc*, which was used for DNase I footprint titration K_a measurements of HRE polyamides in Chapters 2 and 3. This plasmid was a kind gift from the Kaelin group, who graciously provided the plasmid and plasmid insert sequence.

pGL2-VEGF-*Luc*: Contains WT VEGF HRE Sequence (bold), 197 bp sequence

5' - **CTCAGTTCCCTGGCAACATCT**GGGGTTGGGGGGGCAGCAGGAACAAGGGCCTCTGT

3' - GAGTCAAGGGACCGTTGTAGACCCCAACCCCCCGTCGTCCTTGTGCCGAGACA

CTGCCCAGCTGCCTCCCCCTTTGGGTTTTGCCAGACTCCACAGTGCAT**ACGTGGGCTCC**

GACGGGTCGACGGAGGGGGAAACCCAAAACGGTCTGAGGTGTCACGT**ATGCACCCGAGG**

AACAGGTCCTCTTCCCTCCCAGTCACTGACTAACCCCGGAACCACACAGCTTCCCGTTC

TTGTCCAGGAGAAGGGAGGGTCAGTACTGATTGGGGCCTTGGTGTGTCGAAGGGCAAG

TCAGCTCCACAAACTTGGTGCCA-3'

AGTCGAGGTGTTTGAACCACGGT-5'

Primer sequences used for ^{32}P -plasmid labeling: P2 primer should be labeled with ^{32}P

VEGFP2: 5' - TGG CAC CAA GTT TGT GGA GCT - 3'

VEGFP1: 5' - CTC AGT TCC CTG GCA ACA TCT - 3'

Plasmid insert sequence for pCSJ-FLT1, which was used for DNase I footprint titration K_a measurements in Chapter 3. Primer sequences were standard for PUC19 inserts.

Top Strand: 5' -GAT CCC TTT GAG GTA ATG GAG ACA TAA TTG AGG AAC

Bottom Strand: 3' - GG AAA CTC CAT TAC CTC TGT ATT AAC TCC TTG

AAC GTG GAA TTA GTG TCA TAG CAA ATG ATC TAG GGC CT - 3'

TTG CAC CTT AAT CAC AGT ATC GTT TAC TAG ATC CCG GAT CGA -5'