

Supplemental Information

Wnt/ β -Catenin Pathway-Regulated Fibromodulin Expression Is Crucial for Breast Cancer Metastasis and Inhibited by Aspirin

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Table 1. shRNA Sequence

Gene name	Sequence 5'-3'
1. FMODshRNA1 (Human)-sense	GATCCGCTCTTGAGCAGCTGTACATTCAAGAGATGTACAGCTGCTCAAGAGCTTTTTTGGAAA
FMOD shRNA1 (Human)-anti-sense	AGCTTTTCCAAAAAAGCTCTTGAGCAGCTGTACATCT CTTGAATGTACAGCTGCTCAAGAGCG
2. FMODshRNA2 (Human)-sense	GATCCAGCTCTTGAGCAGCTGTACTTC AAGAGAGTACAGCTGCTCAAGAGCTTTTTTGGAAA
FMOD shRNA2 (Human)-anti-sense	AGCTTTTCCAAAAAAGCTCTTGAGCAGCTGTAC TCTCTTGAAGTACAGCTGCTCAAGAGCTG
3. β-catenin Human shRNA-sense	GATCCTTGGAATGAGACTGCTGATTC AAGAGAATCAGCAGTCTCATTCCAATTTTTTGGAAA
β-catenin Human shRNA-anti- sense	AGCTTTTCCAAAAAATTGGAATGAGACTGCTGATTCTCTT GAAATCAGCAGTCTCATTCCAAG
4. TCF4 Human shRNA-sense	ATCCTTACCTCCTGTGAGCAGTTTCAAGAGAACTGCTCACAGGAGGTGAATTTTTTGGAAA
TCF4 Human shRNA-anti- sense	AGCTTTTCCAAAAAATTCACCTCCTGTGAGCAGTTCTCTTGAAACTGCTCACAGGAGGTGAAG
5. LEF1 shRNA Human-sense	GATCC GAT CTT CGC CGA GAT CAG T TT C AAG AGA ACT GAT CTC GGC GAA GAT C TTTTTGGAA A
LEF1 shRNA Human-anti-sense	AGCTTTTCCAAAAAAGATCTTCGCCGAGATCAGTTCTCTTGAAACTGATCTCGGCCGAAGATCG

Table 2. Primers Used in Cloning and for qPCR

Gene name	5'-3' Sense Primer	5'-3' Anti-Sense Primer
1. FMOD (Human)	ATGCAGTGGACCTCCCTCCT	TCAGATCTCGATGAGGCTGG
2. FMOD (Mouse)	ATGCTTTGGAGGGCCTGGAG	TCAGATCTCGATGAGGTTGG
3. GAPDH (Human)	CCAGAACATCATCCCTGCCTCTACT	GGTTTTTCTAGACGGCAGGTCAGGT
4. GAPDH (Mouse)	TGGATTTGGACGCATTGGTC	TTGCACTGGTACGTGTTGAT
5. TCF7 (Human)	TGCAGCTATACCCAGGCTGG	CCTCGACCGCCTCTTCTTC
6. TCF7 (Mouse)	CCCAGCTTTCTCCACTCTAC	TGTGAACTCCTTGCTTCTGG
7. LEF1(Human)	CGACGCCAAAGGAACACTGACATC	GCACGCAGATATGGGGGAGAAA
8. LEF1(Mouse)	GCAGCTATCAACCAGATCC	GATGTAGGCAGCTGTTCATTC
9. N-Cadherin(Human)	ATGTGCCGGATAGCGGGAGC	TACACCGTGCCGTCCTCGTC
10. β -catenin (Human)	CAACTAAACAGGAAGGGATG	CACAGGTGACCACATTTATATC
11. TCF4 (Human)	ATGGCAAATAGAGGAAGCGG	TGGAGAATAGATCGAAGCAAG

Table 3. Primers Used in Cloning

Gene name	Sequence 5'-3'
1. Wnt-3a-sense	AAATTAAGCTTATGGCCCCACTCGGATACTTC
Wnt-3a- anti-sense	TATGGTACCCTTGCAAGGTGTGCACGTCGTAGAC
2. FMOD-PGL3 -sense	CGCTCGAGACTGATGAGCCCTCTTTCTCATCTATTC
FMOD-PGL3 -anti-sense	CATGCCATGGCTTGAGGAGAGGACTGTGATTAGA
3. FMOD-PBOBI-sense	TGCTCTAGAATGCAGTGGACCTCCCTCCTG
FMOD-PBOBI-anti-sense	CCGCTCGAGGGAGAAGTTCACGACGTCCACC