

**Additional file 3.** The genes and gene specific primers used in this study

<b>Gene Name</b>	<b>Gene symbol</b>	<b>Accession No/primer sequence [5'-3']</b>	<b>Amplicon Size (bp)</b>
RAD21 homolog (S. pombe)	<i>RAD21</i>	NM_006265 Forward: accaatgccaaccatgactg Reverse: cttcctcttctcttggctt	114
Gelsolin	<i>GSN</i>	NM_198252 Forward: ttcgagtcggccaccttct Reverse: tctgcaccaccacctgtg	108
Cytochrome c oxidase subunit Vic	<i>COX6C</i>	NM_004374 Forward: tcaggaaggacgttggtgtt Reverse: gcacgaatgctacagccata	138
v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	<i>MAF</i>	NM_005360 Forward: tggagtcggagaagaaccag Reverse: gcttccaaaatgtggcgtatT	228

Secreted frizzled-related protein 1	<i>SFRP1</i> Forward Reverse	NM_003012 ccgagatgcttaagtgtgac ctcgtggcacagagatgtt	163
Spectrin, beta, non-erythrocytic 1	<i>SPTBN1</i> Forward Reverse	NM_003128 ggatcacagacctgtacact tctcaagatggactctctgc	173
G1 to S phase transition 1	<i>GSPT1</i> Forward Reverse	NM_002094 cacctgtggaatcctctcaa cctggctctgcttcacttat	157
Non-metastatic cells 1, protein (NM23A) expressed in	<i>NME1</i> Forward Reverse	NM_198175 tgtgagcgtaccttcattgc aagaatggacggtccttcag	173
Pituitary tumor-transforming 1	<i>PTTG1</i> Forward Reverse	NM_004219 cctcagatgatgcctatcca atcatgagaggcactccact	127

Fibronectin 1	<i>FNI</i> Forward Reverse	NM_212476.1 gcaagaggcaggctcagcaa gcggacctacctaggcaatg	112
Inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	<i>ID4</i> Forward Reverse	NM_001546.2 tctgcagcacgttatcgac ctctctagtgtcctggctc	263
Epidermal growth factor receptor (erythroblastic leukemia viral (v-erb b) oncogene homolog, avian)	<i>EGFR</i> Forward Reverse	NM_005228.3 gcaagaggcaggctcagcaa gcggacctacctaggcaatg	227
A disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1	<i>ADAMTS1</i> Forward Reverse	NM_006988.3 ggctgatgttgaactgtgt acacgtggcctaattcatgg	104
Activating transcription factor 3	<i>ATF3</i> Forward Reverse	NM_001040619.1 gcactccgtcttctcttct agaacaagcacctctgccac	191

Insulin-like growth factor binding protein 6	<i>IGFBP6</i> Forward Reverse	NM_002178.2 attgtgaccatcgaggcttc aggagcttcattgccatct	132
Prion protein (p27-30)	<i>PRNP</i> Forward Reverse	NM_000311.3 gcgagcttctcctctcctca gtgtccatcctccaggctt	140
Succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	<i>SDHA</i> Forward Reverse	NM_004168 tgggaacaagaggcatctg ccaccactgcatcaaattcatg	86
Beta-actin	<i>ACTB</i> Forward Reverse	NM_001101 ccaaccgcgagaagatgacc ggagtccatcacgatgccag	124
TATA box binding protein	<i>TBP</i> Forward Reverse	NM_003194 tgcacaggagccaagagtgaa cacatcacagctccccacca	132