

## Additional file 9

Sequence of the primers and experimental application. h, Human; m, Mouse.

Sequence of all the miRNAs used in the study are also shown.

Oligonucleotide	Sequence (5' to 3')	Purpose
h18S rRNA FWD	GCCCTATCAAACCTTCGATGGTAGT	normalization coding genes
h18S rRNA REV	CCGGAATCGAACCCCTGATT	
mB-actin FWD	AGCCATGTACGTAGCCATCC	normalization coding genes
mB-actin REV	CTCTCAGCTGTGGTGGTGAA	
hNotch4 FWD	TAGGGCTCCCAGCTCTC	validation of PCR arrays and/or angiocrine genes
hNotch4 REV	GGCAGGTGCCCCATT	
hIL8 FWD	CTGGCCGTGGCTCTCTTG	
hIL8 REV	CCTTGGCAAAACTGCACCTT	
hJAG1 FWD	CGGCTTTGCCATGTGCTT	
hJAG1 REV	TCTTCCTCCATCCCTCTGTC	
hTIMP1 FWD	TGTTGTTGCTGTGGCTGATAGC	
hTIMP1 REV	AATTGCAGAAGGCCGTCTGT	
hTHBS1 FWD	TGGAGCGGAAAGACCACTCT	
hTHBS1 REV	CCGCCTTGCCATTGGA	
hIGF1 FWD	GGTGGATGCTCTTCAGTTCGT	
hIGF1 REV	TACCTGTGGGCTTGTGAAA	
hSDF1 FWD	CAGATGCCCATGCCGATT	
hSDF1 REV	AGTTTGGAGTGTGAGAATTTGAGA	
hDLL1 FWD	ATGCCTTCGGCCACTTCAC	
hDLL1 REV	CACATCCAGGCAGGCAGAT	
hCXCR4 FWD	CAGTGGCCGACCTCCTCTT	
hCXCR4 REV	CAGTTTGCCACGGCATCA	
hDLL4 FWD	GTGGGTCAGAACTGGTTATTGGA	
hDLL4 REV	TGCAGATGACCCGGTAAGAGT	
hANG2 FWD	GCATTGAAGCTTAGTCCACCTGAGGAACTG	
hANG2 REV	CCGATACACTAGTCCCTCGGGTTCATCTTTGC	
hBAMBI FWD	TGCCGTGCCCATTGCT	
hBAMBI REV	GCATCCTCAGGGCCAACA	
hANGPTL3 FWD	CACGAAACCAACTATACGCTACATCT	
hANGPTL3 REV	TGAAGTGTCTTTTGCTTTGTGA	
hSCF FWD	GTGGATGACCTTGTGGAGTGCCT	
hSCF REV	GCCTGGGTTCTGGGCTCTTGA	
hAMAC1L2 FWD	CCCACCAAGCCAGATAGGAA	validation of transcriptomic analyses
hAMAC1L2 REV	GGGCTTCTGGTCTATCGTTCTCT	
hBAD FWD	CGAGTTTGTGGACTCCTTTAAGAAG	
hBAD REV	TCCCACCAGGACTGGAAGAC	
hBST1 FWD	TTACCGACCAGTGAAGCTCTTACA	
hBST1 REV	GCCGACTTTAAGGCACAGTCA	
hESAM FWD	CAGTGGGATCGGCAGCTT	
hESAM REV	AAAGACCCACGGATGACATCTAA	
hFCER1G FWD	GATGCCATCCTGTTTCTGTATGG	
hFCER1G REV	TTATAGCTGCCTTTTCGCACTTG	
hIKBK G FWD	AGGACCCCGCAGACTATCAA	
hIKBK G REV	CTCGATGATGCTGGAGAGCTT	
hMAPK13 FWD	CTGTGCCCATGGACAACCTCTAC	
hMAPK13 REV	TTCCCTGTGGACCAGTCTACTAGCA	
hSELE FWD	TTCCCTTGGTAGCTGGACTTTC	
hSELE REV	TTTCCGAAGCCAGAGGAGAA	

hTHBS3 FWD	GGCGCACACACACAGTTCTC		
hTHBS3 REV	CTGCATGTTGGTCACCCAGTT		
TIMP1 FWD EXT	CCGATACACTAGTCTGGAACAGCCTGAGCTTAG	primers with restriction enzymes sites to clone into pMIR-REPORT	
TIMP1 REV EXT	GCATTGAAGCTTCCGGAAGAAAGATGGGAGTG		
SELE FWD EXT	GCATTGAAGCTTTTCTGTTGCCTAGACTGGAGTG		
SELE REV EXT	CCGATACACTAGTGAACCAGACTGCCAGAGTTTG		
IKBKG FWD EXT	GCATTGAAGCTTGCTTTCCTCTCCCGCCTGCCTAGCC		
IKBKG REV EXT	CCGATACACTAGTCACCCGTGTGCATGGTAAG		
THBS3 FWD EXT	GCATTGAAGCTTGGCCCACCAGATTCAGAATTCAG		
THBS3 REV EXT	CCGATACACTAGTTTTGGGAGCCAGAGAAGG		
TIMP1 MUT1 FWD	TCGTGTTTCCCTGTTTAAGGTGGCCCCTGCAAACTG		primers for site-directed mutagenesis
TIMP1 MUT1 REV	TTAAACAGGGAAACACGACACGATTCCTCACAGCCAACAG		
TIMP1 MUT2 FWD	AGCTGAAGCCTGCACAGTGTGGTGGCTGTTCCCCTC		
TIMP1 MUT2 REV	ACACTGTGCAGGCTTCAGCTTCCACTC		
THBS3 MUT FWD	TTAGACCCTTTGGCCTTGGGGTCCATCCTGGAGACCCTGAG		
THBS3 MUT REV	CCCCAAGGCCAAAGGGTCTAAAATTCTGAATTCGAATC		
U6 FWD	GTGCTCGCTTCGGCAGCACATATAC	normalization of miRNA levels	
U6 REV	AAAAATATGGAACGCTTCACGAATTTG		
hsa-miR-363-5p	CGGGTGGATCACGATGCAATTT	miRNAs quantified by qRT-PCR	
hsa-miR-223-5p	CGTGTATTTGACAAGCTGAGTT		
hsa-miR-548-3p	CAAAAACCACAGTTTCTTTTGC		
hsa-miR-141-5p	CATCTTCCAGTACAGTGTGGGA		
hsa-miR-144-5p	GGATATCATCATATACTGTAAG		
hsa-miR-92a-2-3p	TATTGCACTTGTCCCGCCTGT		
hsa-miR-18b-5p	TAAGGTGCATCTAGTGCAGTTAG		
hsa-miR-20b-5p	CAAAGTGCTCATAGTGCAGGTAG		
hsa-miR-106a-5p	AAAAGTGCTTACAGTGCAGGTAG		
hsa-miR-19b-3p	TGTGCAAATCCATGCAAACCTGA		
pre-miR-363-5p FWD	GCAGCAACTAGAAACG		
pre-miR-363-5p REV	GCACTCATGCCATTCATCC		