

Table S1: Oligonucleotide primers for the amplification of *Vdr* and *Cyp*

	Gene	Forward	Reverse	Product size (bp)
Receptor				
1	<i>Vdr</i>	5'- GAATGTGCCTCGGATCTGTGG-3'	5'- ATGCGGCAATCTCCATTGAAG-3'	150
Vitamin D metabolites enzymes (<i>CYP</i> genes)				
2	<i>Cyp27b1</i>	5'- TCAGCAGGCATCGCAGAAC-3'	5' GCATTGGATCCTGAGGAATGA-3'	77
3	<i>Cyp24a1</i>	5'- CTCCCTATGGATGCAGTATGTATAGTG-3'	5'- TTAAAAACGTTGTCAGTAGGTCATAACT-3'	102
4	<i>Cyp2r1</i>	5'- CAGAAAGACGCTGAAAGTGCAA -3'	5'- CAGTGTATTTGTGTTTACTTGGCTTTATAA-3'	113
5	<i>Cyp27a1</i>	5'- GGAGGGCAAGTACCCAATAAGA -3'	5'- TGCGATGAAGATCCCATAGGT-3'	88
Differentiation markers				
6	<i>Atp4a</i>	5'-TGTACACATGAGAGTCCCCTT G-3'	5'-GAGTCTTCTCGTTTTCCACACC-3'	157
7	<i>Atp4b</i>	5'-AAC AGA ATT GTC AAG TTC CTC-3'	5'-AGA CTG AAG GTG CCA TTG-3'	140
8	<i>Gast</i>	5'-GGACCAGGGACCAATGAGG-3'	5'-CCAAAGTCCATCCATCCGTAGG-3'	173
9	<i>If</i>	5'-CTT GGC CCT GAC CTG TAT GT-3'	5'-TAG GTT GCT CAG GTG TCA CG-3'	191
10	<i>Muc5ac</i>	5'-GTGGTTTGACACTGACTTCCC-3'	5'-CTCCTCTCGGTGACAGAGTCT-3'	103
11	<i>Muc6</i>	5'-AGCCACATTCCCTATCAGC-3'	5'-CACAGTGGAAGATTGCGAGAG-3'	192
VDR target genes				
12	<i>Pthlh</i>	5- GACGTACAAAGAACAGCCACTCA-3	5'- TTTTCTCCTGTTCTCTGCGTTT-3'	81
13	<i>Trpv6</i>	5-TGACCCCTAAGGATGACCTCC-3	5'-CTGTCCAAAGAATCGAGTGACC-3'	122
14	<i>p21</i>	5-CGCTGTCTTGCACTCTGGT-3	5'-CGTTTTTCGGCCCTGAGATGTT-3'	76
Housekeeping gene				
15	<i>Gapdh</i>	5'-TCAAGAAGGTGGTGAAGCAGG-3'	5'-TATTATGGGGTCTGGGATGG-3'	350

