

Supplementary Materials:

Titanium Dioxide Thin Films Obtained by Atomic Layer Deposition Promotes Osteoblasts' Viability and Differentiation Potential While Inhibiting Osteoclast Activity—Potential Application for Osteoporotic Bone Regeneration

Table S1. The list of oligonucleotides used for determination of specific transcripts.

Gene Name	Gene Abbreviation	Primer	Sequence 5'-3'	Amplicon length [bp]	Annealing Temp. [°C]	Accession no.
<i>Osteopontin</i>	<i>Opn</i>	F:	AGACCATGCAGAGAGCGAG	340	57,3	NM_001204203.1
		R:	GCCCTTTCCGTTGTTGTCCT			
<i>Osteocalcin</i>	<i>Ocl</i>	F:	GGTGCAGACCTAGCAGACACA	100	57	NM_001032298.3
		R:	CGCTGGGCTTGGCATCTGTAA			
<i>Collagen type I</i>	<i>Coll1</i>	F:	CAGGGTATTGCTGGACAACGTG	107	61,4	NM_007742.4
		R:	GGACCTTGTTTGCCAGGTTCA			
<i>Runt related transcription factor 2</i>	<i>Runx-2</i>	F:	TCCGAAATGCCTCTGCTGTT	130	58,8	NM_001271630.1
		R:	GCCACTTGGGGAGGATTTGT			
<i>Glyceraldehyde-3-phosphate dehydrogenase</i>	<i>Gapdh</i>	F:	TGCACCACCAACTGCTTAG	177	60	XM_017321385.1
		R:	GGATGCAGGGATGATGTTC			
<i>miR-7a-5p</i>	<i>miR-7</i>	F:	TGGAAGACTAGTGATTTTGTGT	*	58,8	MIMAT0000677
<i>miR-17</i>	<i>miR-17</i>	F:	CAAAGTGCTTACAGTGCAGGTAG	*	58,8	MIMAT0013084
<i>miR-21-5p</i>	<i>miR-21</i>	F:	TAGCTTATCAGACTGATGTTGA	*	58,8	MIMAT0000076
<i>miR-124-3p</i>	<i>miR-124</i>	F:	TAAGGCACGCGGTGAATGCCAA	*	58,8	MIMAT0000422

* Due to poly (A) sequence it is not possible to predict the actual product size

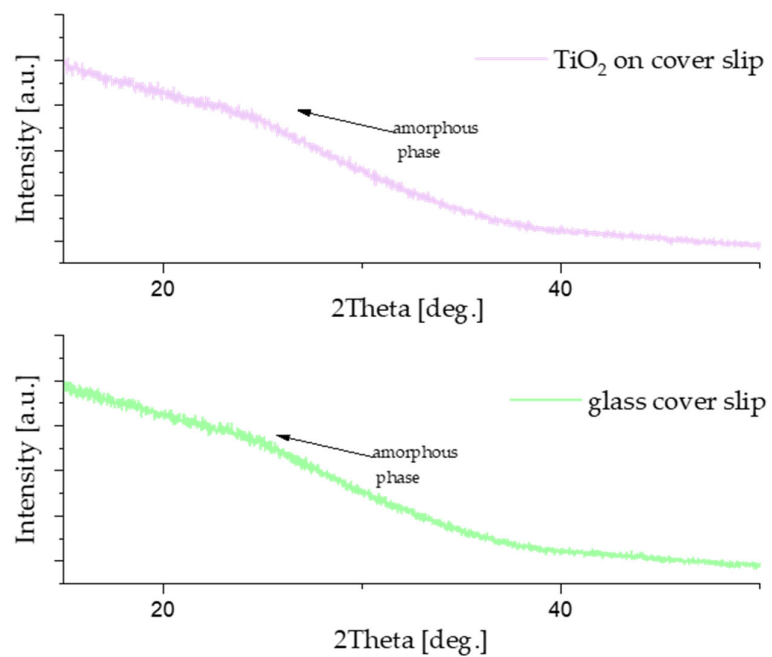


Figure s1. The XRD data of: TiO₂ coating obtained by ALD on the cover slip (top) and blank cover slip as a reference (bottom).