Title: The functional and predictive roles of miR-210 in cryptorchidism

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Supplementary Information

Fig. S1.Insl3 and Lgr8's expression in cryptorchidism mice.

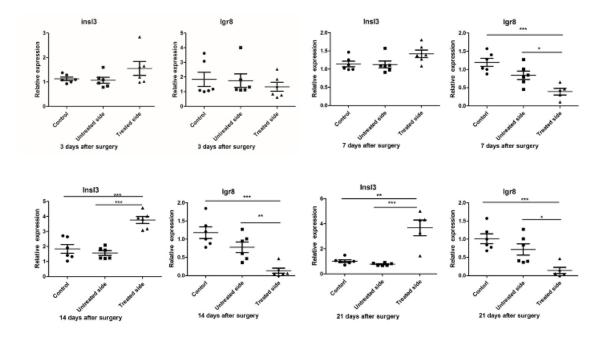


Figure.S2. Different genes' expression in cryptorchidism patients and normal controls.

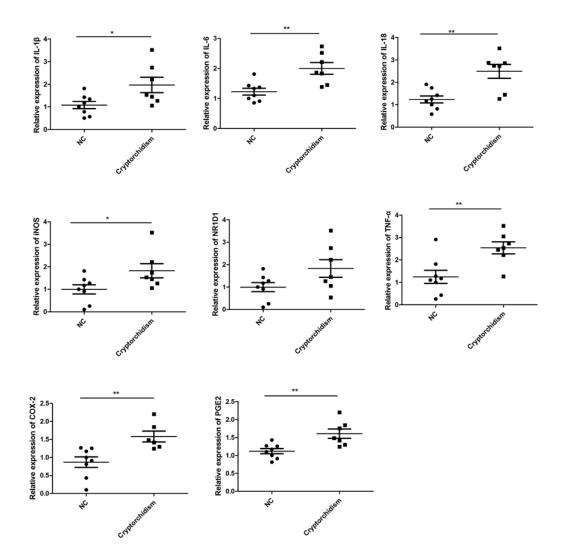


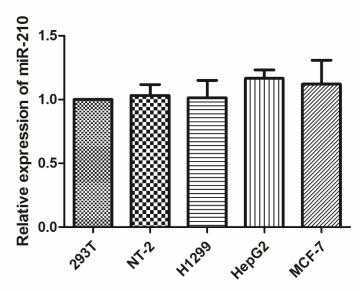
Figure.S3. The original images of Western Blot.

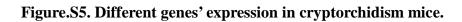
The upper blots of the two images are β -actin and NR1D2, meanwhile the other blots in the images were irrelevant to this article.





Figure.S4. MiR-210's expression in different cell lines.





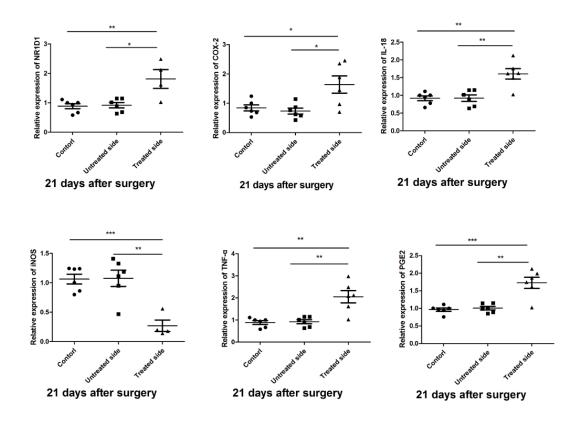


Table.1		Real-time PCR Primers	
		Forward primer	Reverse primer
human 🖡	³ -actin	5'-TGGCACCCAGCACAATGAA-3'	5'-CTAAGTCATAGTCCGCCTAGAAGCA-3'
mouse f	³ -actin	5'-TGGCTCCTAGCACCATGAA-3'	5'-CTCAGTAACAGTCCGCCTAGAAGCA-3'
human N	R1D2	5'-TGGTGCGCTTTGCTTCGT-3'	5'-TGCGGCTTAGGAACATCAC-3'
mouse N	R1D2	5'-AGCCCAAAGATGAGCCTAATTC-3'	5'-GGTTCTCTATCTGGCTGATGTCA-3'
human I	L-6	5'-GGTGCCCATGCTACATTTGC-3'	5'-GGTTCAGGTGACACCACAAATTC-3'
mouse I	L-6	5'-CACGGCCTTCCCTACTTCAC-3'	5'-ACAGGTCTGTTGGGAGTGGTA-3'
mouse I	nsl3	5'-GGTGCCCATGCTACATTTGC-3'	5'-GCCTGTGGTCCTTGCTTACTG-3'
mouse L	.gr8	5'-GCCTGTGGTCCTTGCTTACTG-3'	5'-CCTGGAGATCCACCCTGTATCAG-3'
human N	R1D1	5'-TGGTGCGCTTTGCTTCGT-3'	5'-TGCGGCTTAGGAACATCAC-3'
mouse N	R1D1	5'-GCTTCTCCGTTGGCATGTCT-3'	5'-CCAAGTTCATGGCGCTCT-3'
human i	NOS	5'-GTGGCCCACACCCTGAAG-3'	5'-CCTCGACCTGCTCCTCATTC-3'
mouse i	NOS	5'-TGCTCCCTTCCGAAGTTTCTG-3'	5'-TCATGCGGCCTCCTTTGAG-3'
human p	021	5'-CGCTAATGGCGGGCTG-3'	5'-CGGTGACAAAGTCGAAGTTCC-3'
mouse p	021	5'-GTGATTGCGATGCGCTCATG-3'	5'-TCTCTTGCAGAAGACAATC-3'
human C	OX-2	5'-GCTAGCCCAAGAATATTGTC-3'	5'-GTGGCTGAACAAATTAACGAAGCAT-3'
mouse C	OX-2	5'-GGGTGTCCCTTCACTTCTTTCA-3'	5'-GGGAGGCACTTGCATTGATG-3'
human T	NF-a	5'-GAGGCCAAGCCCTGCG-3'	5'-CGGGCCGATTGATCTCAGC-3'
mouse T	NF-a	5'-CTGTCTACTGAACTTCGGGGT-3'	5'-GAGTGTGAGGGTCTGGGC-3'
human P	GE-2	5'-AGACGGACCACCTCATTCTC-3'	5'-AGGCCTAAGGATGGCAAAGA-3'
mouse P	GE-2	5'-AGGTTAATGCGCTCAGTCCT-3'	5'-CAGCCCCTTACACTTCTCCA-3'
human I	L-18	5'-GGAAATCGGCCTCTATTTGAAGA-3'	5'-GTCCGGGGTGCATTATCTCT-3'
mouse I	L-18	5'-ACTTTGGCCGACTTCACTGT-3'	5'-GGGTTCACTGGCACTTTGAT-3'
human I	L-1β	5'-GACCTGAGCACCTTCTTTCCCTTC-3'	5'-GCAGTTCAGTGATCGTACAGGTGC-3'
mouse I	-	5'-TGGGCCTCAAAGGAAAGAAT-3'	5'-CAGGCTTGTGCTGCTTGT-3'

Table.2		
Name	Sequence (5' to 3')	
LNA scramble-miR	GTGTAACACGTCTATACGCCCA	
LNA hsa-miR-210	TCAGCCGCTGTCACACGCACAG	
Inhibitor NC	CAGUACUUUUGUGUAGUACAA	
miR-210 inhibitor	UCAGCCGCUGUCACACGCACAG	
mimic NC & si.NC	UUCUCCGAACGUGUCACGUTT	
minic NC & SI.NC	ACGUGACACGUUCGGAGAATT	
miR-210 mimic	CUGUGCGUGUGACAGCGGCUGA	
mik-210 mimic	AGCCGCUGUCACACGCACAGUU	