

Nuclear receptor $ERR\alpha$ and transcription factor ERG form a reciprocal loop in the regulation of *TMPRSS2:ERG* fusion gene in prostate cancer

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Supplementary Table S1 Information of primers

Primer name	Nucleotide sequences
ACTB (β -actin)	Forward ATGGATGATGATATCGCCGCG
	Reverse CTCCATGTCGTCCCAGTTGGT
TMPRSS2:ERG (T:E)	Forward TAGGCGCGAGCTAAGCAGGAG
	Reverse GTAGGCACACTCAAACAACGACTGG
CRISP3	Forward CACAATGAACTGAGGAGAGCAGTATC
	Reverse TGTCTGTAATTGCACTGGTTTGC
MMP1	Forward TTTCATTTCTGTTTTCTGGCCA
	Reverse CATCTCTGTCGGCAAATTCGT
PLAT	Forward CACTGGGCCTGGGCAAACATA
	Reverse CACGTCAGCCTGCGGTTCTTC
PLA1A	Forward CCACCCACAATGCCAGATAAAC
	Reverse TCCCAATAATGGTAGTCCGGTCTTTT
ESRRA ($ERR\alpha$)	Forward GTCCAAAGGGTTCCTCGGAG
	Reverse GGATGCCACACCATAGTGGTA

TMPRSS2	Forward CAGGAGTGTACGGGAATGTGATGGT
	Reverse GATTAGCCGTCTGCCCTCATTGT
AR	Forward ATCTTGTCCACCGTGTGTCT
	Reverse AGCCCTAACTGCACTTCCAT
ACADM	Forward AGAACCTGGAGCAGGCTCTGAT
	Reverse AGAACCTGGAGCAGGCTCTGAT
APOA4	Forward CACGGTGATGTGGGACTACTTC
	Reverse CCAAGTTTGTCTGGAAGAGGG
IDH3A	Forward TCGGTGTGACACCAAGTGGCAA
	Reverse TTCGCCATGTCCTTGCCTGCAA
SLC25A4	Forward GCTGCCTACTTCGGAGTCTATG
	Reverse TGCGACTGCCGTCACACTCTG
ChIP-T:E-P1	Forward TGGTCCTGGATGATAAAAAA
	Reverse CAGGGAGACATACGCCCCAC
ChIP-T:E-P2	Forward GAAACATGGATCAAAGGTG
	Reverse CCTCACATTTCAATCTTCCT
ChIP-T:E-P3	Forward GATGAAAGGAGTTTGTAGCCC
	Reverse ATGGGGATTCTGCCAGCTGC
ChIP-T:E-P4	Forward TTAGTAGAGACGGGGTTTCA
	Reverse AGTGGCTCACACCTGTAATC
ChIP-T:E-P5	Forward GGACTACCAAGGAGAAGCTA
	Reverse ATTAATAGCCCTGCCTGGAT

ChIP-T:E-P6	Forward TTCTGAGCCCCACAATTGC
	Reverse GTGGTGGGACACACCTCAGC
ChIP-ERR α -P1	Forward TGGGAGTGGGGATTGTTGGT
	Reverse ATAGCAGAACACGAACGTGG
ChIP-ERR α -P2	Forward GGCCGCAACATTAGCAAGAC
	Reverse ATTGATTTCATGGAGCTGC
ChIP-ERR α -P3	Forward AAGCCAGGGTTGTAACCTC
	Reverse CGCAGACTCCTGGGCCTTCC
ChIP-ERR α -P4	Forward TCGGTCACCGCATGGACCTT
	Reverse GCTGCGGAACTCGGGGTGGG
3C-R	AGGAAGACGTGGCTGTTCC
3C-F1	ACACAGCAAGGCAGAGGACA
3C-F2	CCAGTCTGTGGTATTCTGTA
pLKO-sh-T:E-#1	Forward CCGGTGACATCCTTCTCTCACATCTCG AGATGTGAGAGAAGGATGTCTTTTTG
	Reverse AATTCAAAAAGACATCCTTCTCTCACA TCTCGAGATGTGAGAGAAGGATGTCA
pLKO-sh-T:E-#2	Forward CCGGTGCCCATCAACAGACGTTGATAC TCGAGTATCAACGTCTGTTGATGGGCT TTTTG
	Reverse AATTCAAAAAGCCCATCAACAGACGT TGATACTCGAGTATCAACGTCTGTTGA TGGGCA
siAR	CAAGGGAGGTTACACCAA

siERR γ -#1	AATGGCCATCAGAACGGACTT
siERR γ -#2	AACTTGTCTATGCAGACGATT
pGL3-T:E(-13kb,I)	Forward GCCTTGTGACACTTCACCCATCTTTGA CA
	Reverse GCTGTTCTGCTCCCATCTGTCCCCA
pGL3-T:E(-13kb,I)-deletion	Forward ACAGCAAGGCGCACTCTGTTGTGGGG CG
	Reverse CGCCCCACAACAGAGTGCGCCTTGCT GT
pGL3-T:E(-5000bp,II)	Forward CTGGATAGTCAGGGACTTGGAAGA
	Reverse TCCATGAGCCCATTGGGTGATGACAG
pGL3-T:E(-5000bp,II)-deletion	Forward CAGGCTGGTCTTGAACCTCCACCGAC CT
	Reverse AGGTTCGGTGGAGGTTCAAGACCAGCC TG
pGL3-T:E(-2000bp,III)	Forward CACTCCAAGAGGCCTGAGTC
	Reverse CGGCCCGCCCTGGCTCTCGCTTTA
pGL3-T:E(-1000bp, III)	Forward GGAGAGGAGGTGTCTGGTGA
	Reverse CGGCCCGCCCTGGCTCTCGCTTTA
pGL3-T:E(-300bp)	Forward ATCCCCTCCTTAACCCAAA
	Reverse CGGCCCGCCCTGGCTCTCGCTTTA
pGL3-ERR α (-600bp)	Forward ATCGGCTGGGACCACTTCCTGACT
	Reverse CGCGCGAGAGGAGTGGGCGAGGCGG TG

pGL3-ERR α (-600bp)-deletion	Forward CCTATCGGCCCTACTCGAATCCAGGAC
	Reverse GTCCTGGATTTCGAGTAGGGCCGATAGG
pcDNA3-T:E	Forward CGCGAGCTAAGCAGGAGGC
	Reverse CCTCCGCCAGGTCTTTAGTA
pLenti6-P-T:E-promoter	Forward CACTCCAAGAGGCCTGAGTC
	Reverse CGGCCCGCCCTGGCTCTCGCTTTA
pLenti6-P-T:E-cDNA	Forward CGCGAGCTAAGCAGGAGGC
	Reverse CCTCCGCCAGGTCTTTAGTA
pLenti6-P-T:E-fusion	Forward AGGGCGGGCCGGGCCGGACTAGTCGC GAGCTAAGC
	Reverse GCTTAGCTCGCGACTAGTCCGGCCCG GCCCGCCCT