

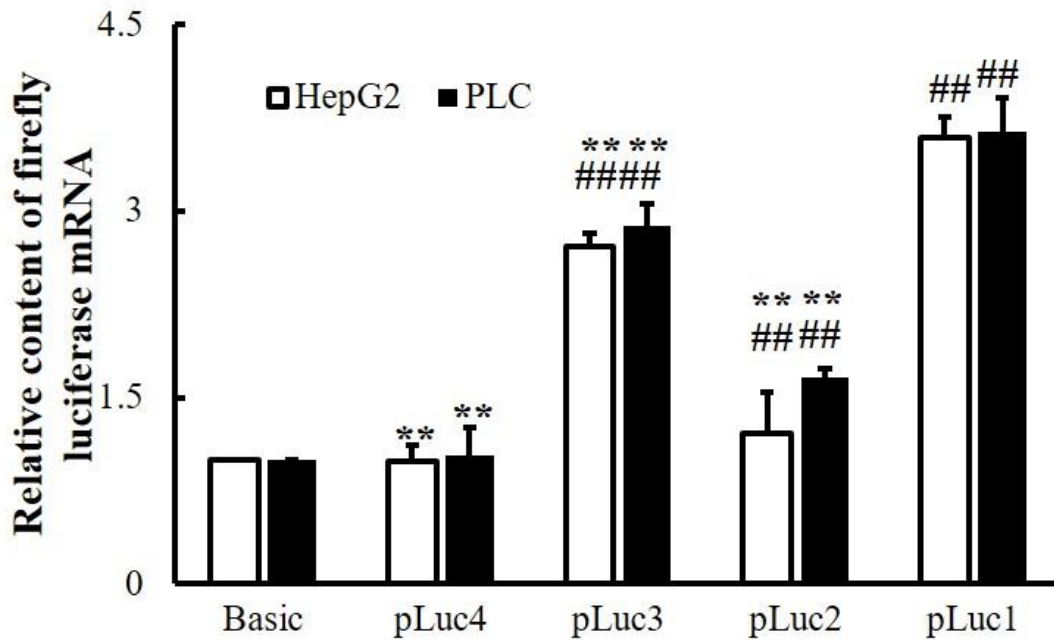
## Supplementary

STRUCTURAL ANALYSIS OF THE 5'-FLANKING REGION OF HUMAN  
ALPHA-FETOPROTEIN ENCODING GENE

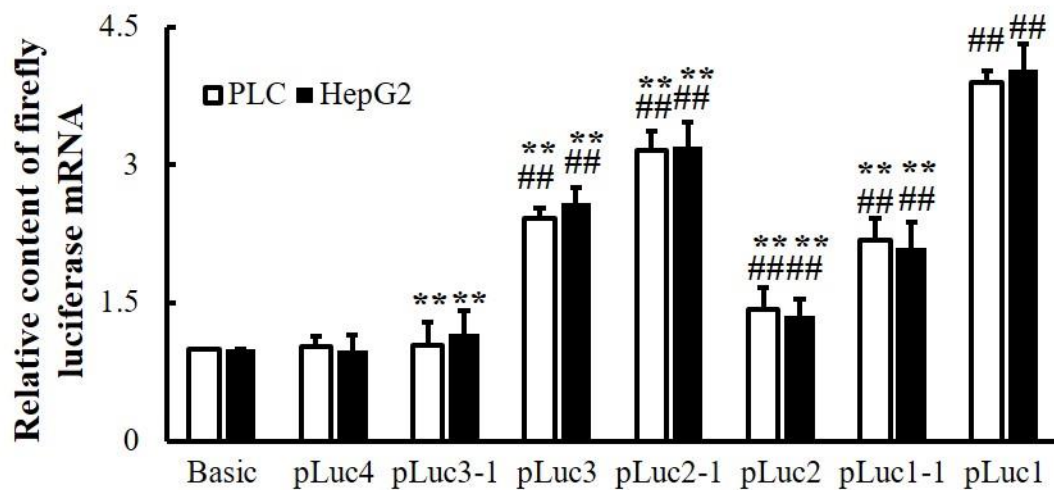
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**Table 1S.** Sequences of oligonucleotides used for qRT-PCR and plasmid constructs assays.

			Oligonucleotides sequences	Product size(bp)
<b>Primers for plasmid constructs</b>				
AFP	pLuc1	Sense	5'-GGGGTACCGCAAGCTTATATAGTTTGC-3'	1871
		Antisense	5'-CGACGCGTCTATTCCATATTCATTTC-3'	
	pLuc1-1	Sense	5'-GGGGTACCCTAACAAATG AATGGG-3'	1567
		Antisense	5'-CGACGCGTCTATTCCATATTCATTTC-3'	
	pLuc2	Sense	5'-GGGGTACCCACCTGTGAAGCTTTAG-3'	1004
		Antisense	5'-CGACGCGTCTATTCCATATTCATTTC-3'	
	pLuc2-1	Sense	5'-GGGGTACCACATCGCATA CTAATAC-3'	677
		Antisense	5'-CGACGCGTCTATTCCATATTCATTTC-3'	
	pLuc3	Sense	5'-GGGGTACCCCTGGCATATGATAGG-3'	448
		Antisense	5'-CGACGCGTCTATTCCATATTCATTTC-3'	
	pLuc3-1	Sense	5'-GGGGTACCGTTTGAGGAGAATATTTG-3'	287
		Antisense	5'-CGACGCGTCTATTCCATATTCATTTC-3'	
	pLuc4	Sense	5'-GGGGTACCCTCTGTGTCCTTGAAC-3'	215
		Antisense	5'-CGACGCGTCTATTCCATATTCATTTC-3'	
GADD45 $\alpha$	pLuc-1	Sense	5'-GGGGTACCTTTGCAGAAATTAC-3'	1626
		Antisense	5'-CGACGCGTATTGCAAAGTGCAGGTC-3'	
	pLuc-2	Sense	5'-GGGGTACCGCTTTCTGTGGAAAAGAT -3'	979
		Antisense	5'-CGACGCGTATTGCAAAGTGCAGGTC-3'	
	pLuc-3	Sense	5'-GGGGTACCGTGCCGCAACTATTATAG -3'	646
		Antisense	5'-CGACGCGTATTGCAAAGTGCAGGTC-3'	
	pLuc-4	Sense	5'-GGGGTACCTTTTCCGCTCCTCTCAAC -3'	452
		Antisense	5'-CGACGCGTATTGCAAAGTGCAGGTC-3'	
	pLuc-5	Sense	5'-GGGGTACCAATTAGTGTCGTGCGGC-3'	258
		Antisense	5'-CGACGCGTATTGCAAAGTGCAGGTC-3'	
<b>Primers for qRT-PCR</b>				
Firefly luciferase		Sense	5'-GCTCTGCCTCATAGAACTG-3'	110
		Antisense	5'-TGATGGAATGGAACAACACT-3'	



**Supplementary Figure 1. PCR analysis of luciferase mRNA conferred by different 5'-truncated fragments of human AFP gene in transfected HepG2 and PLC cells.** The mRNA content of Firefly Luciferase was changed after transfection of plasmids containing different lengths of regulatory sequences into HepG2 and PLC cells. Data are representative of an experiment that was repeated at least three times.  $^{##}P < 0.01$  and  $^{**}P < 0.01$  compared with controls



**Supplementary Figure 2. PCR analysis of luciferase mRNA conferred by different 5'-truncated fragments of human AFP gene in transfected HepG2 and PLC cells.** Changes in the mRNA content of Firefly Luciferase after transfection of plasmids containing different lengths of regulatory sequence into HepG2 and PLC cells.  $^{##}P < 0.01$  and  $^{**}P < 0.01$  as compared with control. These experiments were repeated at least three times.