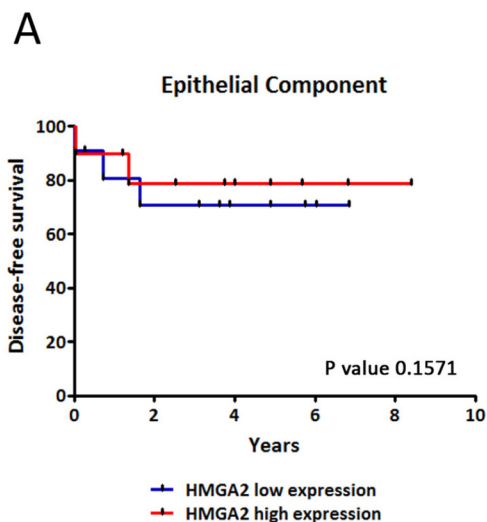


HMGA2 overexpression predicts relapse susceptibility of blastemal Wilms tumor patients

SUPPLEMENTARY MATERIALS

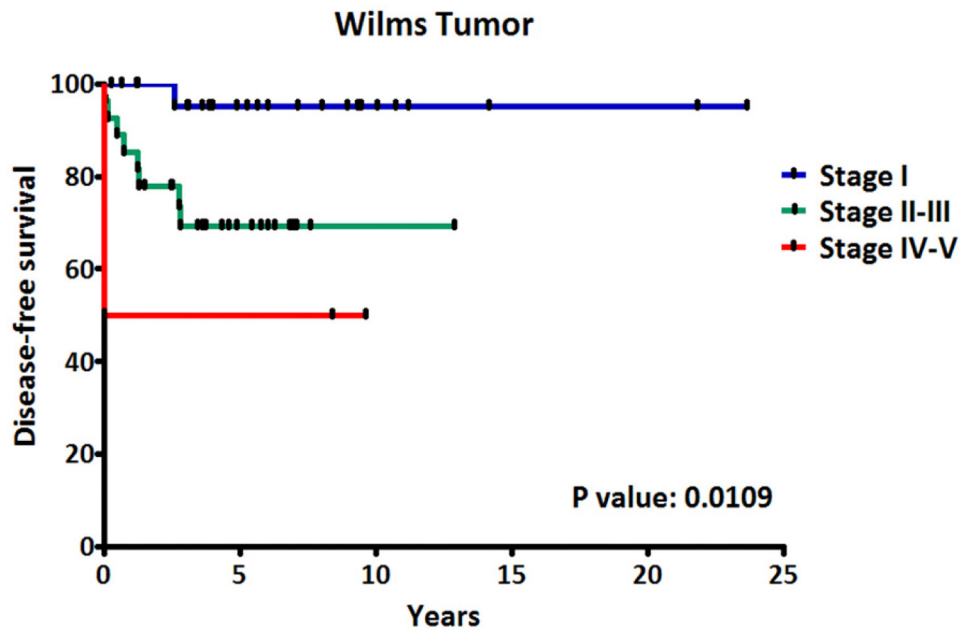


B

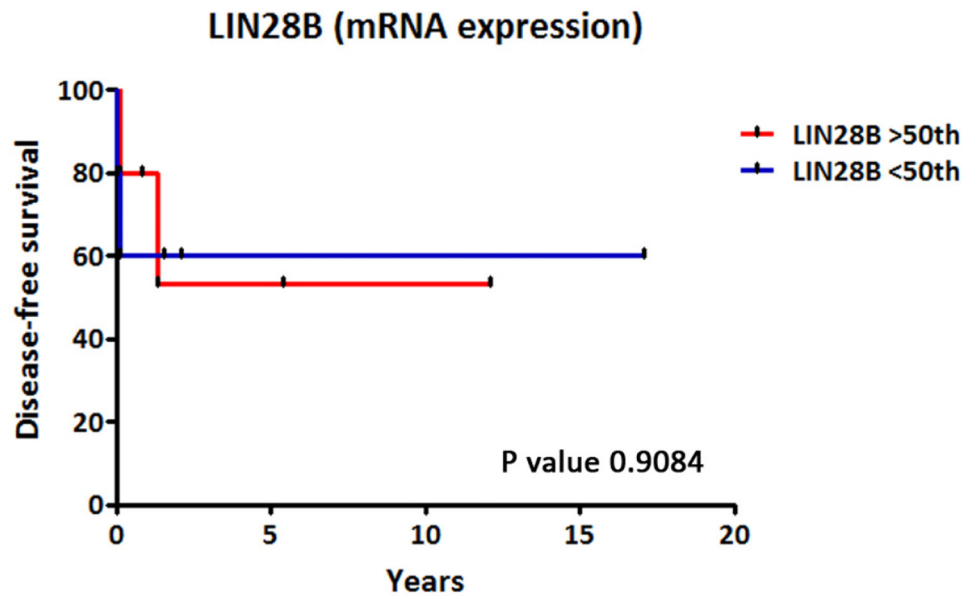
HMGA2	
High expression in epithelial samples	
Ki67 <10%	7 (58.33%)
Ki67 >10%	5 (41.67%)
Low expression in epithelial samples	
Ki67 <10%	10 (90.91%)
Ki67 >10%	1 (9.09%)

Fisher’s exact test: P value 0.1550

Supplementary Figure 1: Study of HMGA2 expression in epithelial WT component. (A) Kaplan–Meier disease-free survival according to *HMGA2* transcript tumor expression did not show statistically significant differences. (B) Relationship between high and low expression of HMGA2 and Ki-67 in epithelial WT component.



Supplementary Figure 2: Disease-free survival rate according to tumor stage. (A) Tumor stage IV-V showed reduced disease-free survival compared with stage I-II-III.



Supplementary Figure 3: Study of *LIN28B* expression in blastemal WT component. *LIN28B* Kaplan–Meier plot with disease-free survival according to the transcript blastemal tumor expression did not show statistically significant differences between low and high expression.

Supplementary Table 1: Clinicopathological features of the tumor samples

	Series 1	Series 2
Samples	Frozen Wilms Tumor	Paraffin Wilms Tumor
Number of samples	11	70
Age in years (range)	2 months- 6 years	5 months- 41 years
Gender		
Male	7	34
Female	4	36
Relapse		
Present	4	15
Absent	7	55
Tumor Component		
Blastemal	11	25
Epithelial	-	36
Stromal	-	9
Stage		
I	5	29
II	1	13
III	3	23
IV	2	4
V	0	1

Supplementary Table 2: TaqMan Gene Expression probes and Taqman miRNAs probes for miR-let7 family members -a/ -b/ -c employed for qRT-PCR

GENES	Reference	Amplicon length	PCR conditions
<i>TPT1</i>	Hs02621289_g1	131 bp	* Rev. transcript.: 25°C 5min, 37°C 120min, 85°C 5min.
<i>HMGA2</i>	Hs 00171569_m1	65 bp	
<i>LIN28A</i>	Hs00702808_s1	143 bp	* qPCR: 95°C 10min, 40 cycles of 95°C 30sec and 60°C 1min.
<i>LIN28B</i>	Hs01013729_m1	130 bp	
<i>MDR3</i>	Hs00240956_m1	73 bp	
miRNAs	Reference		PCR conditions
miR-let7a	000377		* Rev. transcript.: 16°C 30min, 42°C 30min, 85°C 5min.
miR- let7b	000378		
miR- let7c	000379		* qPCR: 95°C 10min, 40 cycles of 95°C 15sec and 60°C 1min.
RNU44	001094		
RNU48	001006		