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Supplemental Material to:

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B-Myb promotes S-phase independently of its sequence-specific DNA binding activity and interacts with polymerase delta interacting protein 1 (Pdip1)

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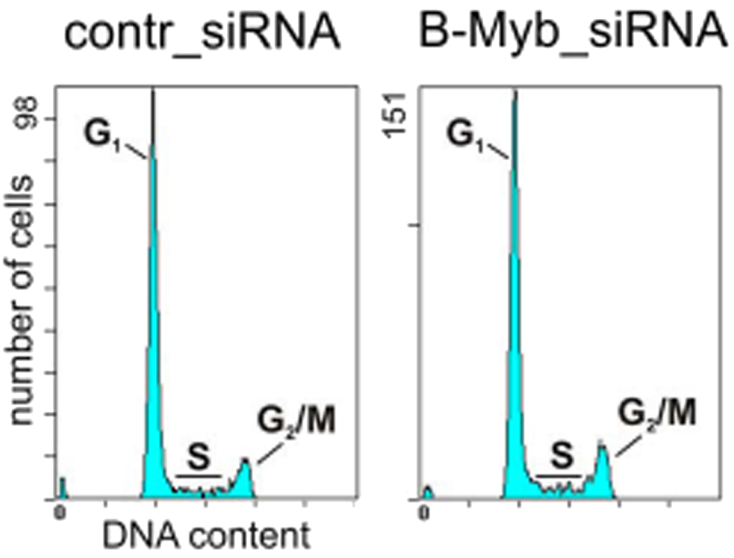
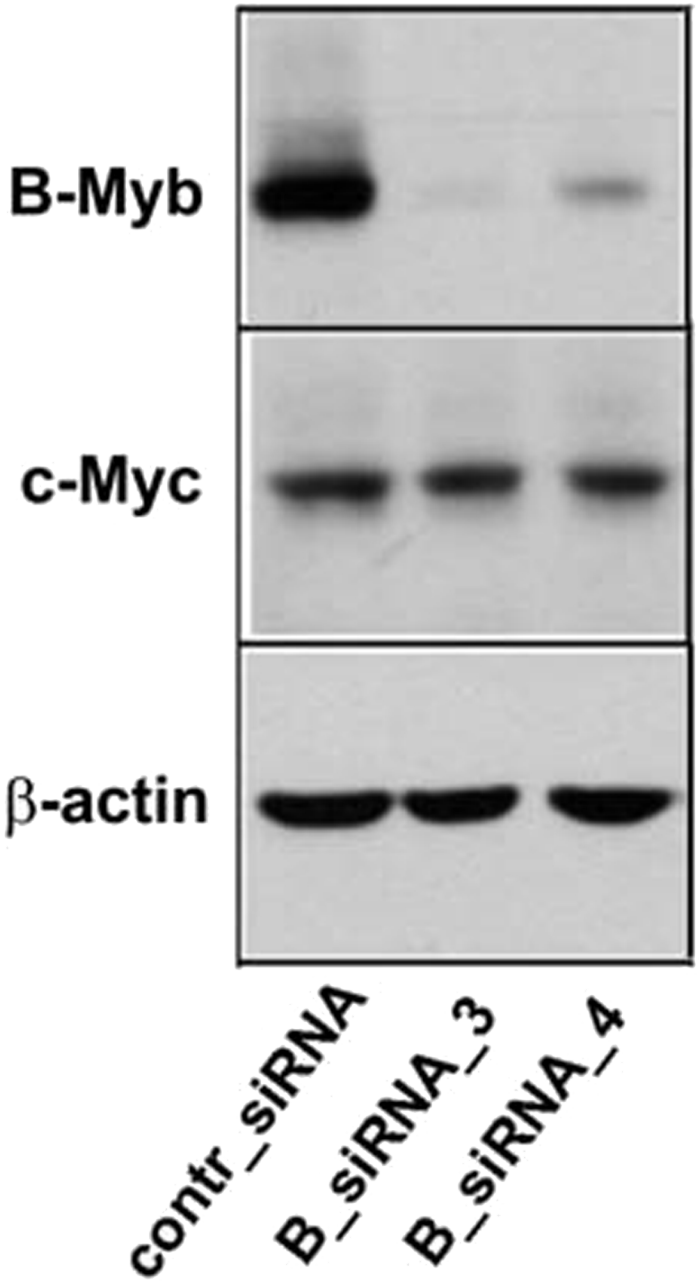
Supplementary Materials

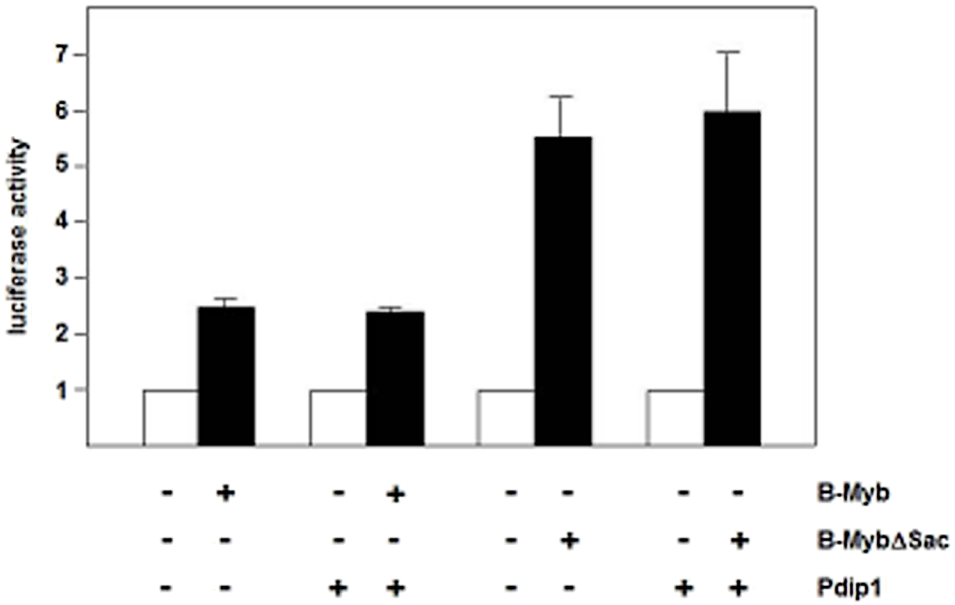
Supplementary Fig. 1 – B-Myb knock-down in HepG2 cells does not cause a G2/M-block. HepG2 cells were transfected with control or B-Myb specific siRNAs. 48 hours after transfection the cells were analyzed by flow cytometry.

Supplementary Fig. 2 – c-Myc expression is not affected by B-Myb knock-down. HepG2 cells were transfected with control or B-Myb specific siRNAs. 48 hours after transfection the cells were analyzed by western blotting with antibodies against B-Myb, c-Myc and β-actin.

Supplementary Fig. 3 – Pdip1 does not affect the transactivation potential of B-Myb. QT6 cells were transfected with expression vectors for full-length B-Myb, c-terminally truncated B-Myb (B-MybΔSac) and Myc-Pdip1, as shown at the bottom. Additionally, cells were transfected with the Myb-responsive luciferase reporter gene 3xAtkluc and the β-galactosidase plasmid pCMVβ. Cells were harvested 16 hours after transfection and analyzed for luciferase and β-galactosidase activity. The columns show the average luciferase activity normalized to the β-galactosidase activity. Thin lines show standard deviations.


contr_siRNA
B-Myb_siRNA
number of cells
98
151
0
0
G1
S
G2/M
G1
S
G2/M
DNA content


B-Myb
c-Myc
β-actin
contr_siRNA
B_siRNA_3
B_siRNA_4


luciferase activity
7
6
5
4
3
2
1
- + - + - - - -
B-Myb
- - - - - + - +
B-MybΔSac
- - + + - - + +
Pdip1