PHF10 subunit of PBAF complex mediates transcriptional activation by MYC

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**Figure S1.** Interactions between MYC and chromatin remodeling complex determined by immunoprecipitation.

*Top:* Immunoprecipitation of recombinant FL-MYC by antibodies against PBAF-specific (PHF10, BAF180, BAF200), BAF-specific (BAF250) and the common core subunit BAF155 from HEK293T transiently transfected with FL-MYC construct.

*Bottom:* Precipitation of BAF250 by antibodies against BAF155 and BAF250 and depletion of BAF250 from cell lysates.
**Figure S2.** Knockdown of PHF10 and MYC in A375 cells using siRNA-I and siRNA-II.

**Figure S3.** Decreased amounts of PHF10 upon siRNA knockdown of BAF47, BAF200, BAF180 and PHF10 in HEK293T cells.
Figure S4. Senescence in A375 cells after knockdowns of PHF10 and MYC. Shown is staining for SA-β-galactosidase. See Figure 8 for bigger view fields. Numbers indicate independent view fields.
### Table S1. Sequences of primers for cloning

| Primer | Sequence |
|--------|----------|
| MYC-MB-I_for | 5’-GCGAGTTGCACTCCGCCGCAGCCGCCTCGACTCTGC |
| MYC-MB-I_rev | 5’-CGGGGGCTCAACTCCGCTCGACTCTGC |
| MYC-MB-II_for | 5’-TCATCAAAAAACATATTCTGCAGAGAGCTTG |
| MYC-MB-II_rev | 5’-GAGGATGTTTTTGGATGGGCTG |
| MYC-MB-III_for | 5’-GAGGATGTTTTTGGATGGGCTG |
| MYC-MB-III_rev | 5’-TCCTCATGAGGCCAGCGCGCGAGCG |
| MYC-MB-IV_for | 5’-GCCAGGCGAGAGGCTTGAGCG |
| MYC-MB-IV_rev | 5’-CTACTTGGGGCAGACGGCCACCTCCTG |
| MYC-wt(Xhol)_for | 5’-GGAGAATGTCTAATCAGCCTCGACTGTGCCTT |
| MYC-wt(BamHI)_rev | 5’-AGGCTGATTAGACATTCTCCTCGGTGTCC |

### Table S2. Sequences of siRNA

| siRNA | Sequence |
|-------|----------|
| siControl_for | 5’-AGGUGCAACUACCGGUGCAAAdTdT |
| siControl_rev | 5’-UUGCACCGUAGUUCGGACCAdC |
| siPHF10-I_for | 5’-CAAGAUUGGAGGGAGGCG |
| siPHF10-I_rev | 5’-CUUCAUCACUGGCGAAGCG |
| siPHF10-II_for | 5’-AAGGUGACAGUUCUACCAG |
| siPHF10-II_rev | 5’-CAGCUGGUAAGACGACCUUdAdG |
| siMYC-I_for | 5’-CCUGAGAAATGTCTAATCAGCCTCGACTGTGCCTT |
| siMYC-I_rev | 5’-AGGCTGATTAGACATTCTCCTCGGTGTCC |
| siMYC-II_for | 5’-CCAGAGGAGGAGAAGCAGCUAAdTdT |
| siMYC-II_rev | 5’-UUGCACCGUAGUUCGGACCAdC |

### Table S3. Primers for ChIP

| Primer | Sequence |
|--------|----------|
| DDX18_for | 5’-CGTCTGGAGAGCATTTCCGC |
| DDX18_rev | 5’-CTTACGAGGGAGGGAGAGG |
| APEX1_for | 5’-AGAGAATTAGAGGAGGAGG |
| APEX1_rev | 5’-CGTCTGGAGAGCATTTCCGC |
| NOV_for | 5’-CCACCCCTCTGGAGGAGC |
| NOV_rev | 5’-GTGGGAAGGTGGAGAGC |
| EIF4E_for | 5’-GCCAGATGGGGATGGTGC |
| EIF4E_rev | 5’-GCGAGTTGCACTCCGCC |
| E2F1_for | 5’-AGAGGTTGAGGCTG |
| E2F1_rev | 5’-GACGCTCCGCCATCC |
| TYMS_for | 5’-CAGCAGGAGGAGGAG |
| TYMS_rev | 5’-GCCCTCCTAGGAGGAGG |
| ETS1_for | 5’-CAAGCAGGAGGAGGAG |
| ETS1_rev | 5’-CAAGCAGGAGGAGGAG |
| Control_for | 5’-CCTTTCCTGGTTGCTG |
| Control_rev | 5’-CAAGCAGGAGGAGGAG |
### Table S4. Primers for RT-PCR

| Primer   | Sequence                              |
|----------|---------------------------------------|
| CycE2 for| 5’- TTACGTCACTGATGGTGCTTGC            |
| CycE2 rev| 5’- GCCAGGAGATGATTGTACAGG             |
| ETS1 for | 5’- GCTGGACAGAGATGGCTGG               |
| ETS1 rev | 5’- CGCTGTCTTGAGATGATGT              |
| E2F1 for | 5’- GACGTGTCAAGACCTTCGTAGC            |
| E2F1 rev | 5’- ACGGTCTCTCAGGGCACAG             |
| E2F6 for | 5’- GCTCCAGCAAAACCAGATTG          |
| E2F6 rev | 5’- CCGACACCTTCAGACCTTITG           |
| TYMS for | 5’- CCTGAATCACATCGAGCCACTG          |
| TYMS rev | 5’- CATCCAGCCCCACCCCTAAA          |
| APEX1 for| 5’- GACAAAGAGGCAGCAGGAGAGG          |
| APEX1 rev| 5’- GAAGGCACAGTATATCTGGG           |
| RPLP0 for| 5’- ACTGGGACAAAGTGGGAGCC          |
| RPLP0 rev| 5’- CAGACACTGGCAACATTGCG          |
| MYC for  | 5’- CACCGAGTCGTAGTCGAGG                |
| MYC rev  | 5’- TTTCGGGTAGTGAGAAACCA          |
| PHF10 for| 5’- CCGGGAAACGCATGGGAAGAAG         |
| PHF10 rev| 5’- CACCATCACTGTCTAGAGCAGGAGC    |