

Supplementary figure S1.

Upstream region alignments of Abf1-dependent RP genes considered in this study.

RPL3

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RPL3_cerev : -----*-----20-----*-----40-----*-----60-----*-----80-----*-----100-----*----- : 46
RPL3_mikat : -----*-----20-----*-----40-----*-----60-----*-----80-----*-----100-----*----- : 47
RPL3_parad : GCACGTCCTTTTATAACATGGCGTGTAGTGGCGAAGTGAAGTGCCTGCAGCTACTTCTTATTTGAGAGGATTTTCTGGGCAACTTTGCTCAGAAAGGTTGCTCAGCTTT : 114
                                     gag tTTtttGcGGGatAaCtTtTgCTt AGaatcTTtGaaGtTtT

RPL3_cerev : 120-----*-----140-----*-----160-----*-----180-----*-----200-----*-----220----- : 156
RPL3_mikat : 120-----*-----140-----*-----160-----*-----180-----*-----200-----*-----220----- : 159
RPL3_parad : 120-----*-----140-----*-----160-----*-----180-----*-----200-----*-----220----- : 221
aaAgtc acAttaTTTTTCGACA TTTtCtCACTgT CcTccATcCCC TtaaAAAGaAACA c ctttCta cCtCtTTTCT a c gtacacaAga ggaCggccaaT

RPL3_cerev : 240-----*-----260-----*-----280-----*-----300-----*-----320-----*-----340----- : 269
RPL3_mikat : 240-----*-----260-----*-----280-----*-----300-----*-----320-----*-----340----- : 272
RPL3_parad : 240-----*-----260-----*-----280-----*-----300-----*-----320-----*-----340----- : 331
CGAGGCCGAGAGAAAATCCGGAGGAcGgAAAAA TaGaaGtaATtCtcaTgcGGGga CATGCAcGcAGAAccCtC GaaaAcgta aT acActaCatgcTtTg Tat ac a

RPL3_cerev : 360-----*-----380-----*-----400-----*-----420-----*-----440-----*----- : 368
RPL3_mikat : 360-----*-----380-----*-----400-----*-----420-----*-----440-----*----- : 382
RPL3_parad : 360-----*-----380-----*-----400-----*-----420-----*-----440-----*----- : 419
tTTtccgGcC tttcTat tttcT aTg cg Gt GcTgCtcaatcgt AGaaGggCgAaagcaa CgagattgAT c TcT c T tggttTgC

RPL3_cerev : 460-----*-----480-----*-----500-----*-----520-----*-----540-----*-----560-----*----- : 475
RPL3_mikat : 460-----*-----480-----*-----500-----*-----520-----*-----540-----*-----560-----*----- : 489
RPL3_parad : 460-----*-----480-----*-----500-----*-----520-----*-----540-----*-----560-----*----- : 533
TGctttc TtT caaaTGCA TttATgcg attTcttGttaTgcCGCTcgTATcAGCCAcTAcGtTATcAttcta Aa G gagTATACgAaTaTgtacAAaaCTT gT

RPL3_cerev : 580-----*-----600-----*-----620-----*-----640-----*-----660-----*-----680----- : 588
RPL3_mikat : 580-----*-----600-----*-----620-----*-----640-----*-----660-----*-----680----- : 596
RPL3_parad : 580-----*-----600-----*-----620-----*-----640-----*-----660-----*-----680----- : 618
Ag CgTtCAAG g TTGccCgATaATTgcaagCAAGCCAgCtGctA g gaAaGTTaAcT ctCaaCacAG aat tgcaaaCa t att at CagTGGtAAtgc

RPL3_cerev : 700-----*-----720-----*-----740-----*-----760-----*-----780-----*-----800-----*-----8 : 702
RPL3_mikat : 700-----*-----720-----*-----740-----*-----760-----*-----780-----*-----800-----*-----8 : 703
RPL3_parad : 700-----*-----720-----*-----740-----*-----760-----*-----780-----*-----800-----*-----8 : 702
ag aa aAa t GagggaTta cGcatTgAGAcAggTtTaTaa gg a gA AGC Ct a aaa TgCTGT t Tg GCagTcaTta tTG AAAAAact tc g

RPL3_cerev : 820-----*-----840-----*-----860-----*-----880-----*-----900-----*----- : 808
RPL3_mikat : 820-----*-----840-----*-----860-----*-----880-----*-----900-----*----- : 815
RPL3_parad : 820-----*-----840-----*-----860-----*-----880-----*-----900-----*----- : 799
cTcgtGc gcc aa Tg CaataTtaac tttGGtTAaccggc cga AaTa atAtaGtaat CGTc TTgta tttTTTcgggAAGCGACGCACAaCt TT

RPL3_cerev : 920-----*-----940-----*-----960-----*-----980-----*-----1000-----*-----1020----- : 921
RPL3_mikat : 920-----*-----940-----*-----960-----*-----980-----*-----1000-----*-----1020----- : 926
RPL3_parad : 920-----*-----940-----*-----960-----*-----980-----*-----1000-----*-----1020----- : 913
TTC aTTTTTTTTTTTTTTTTtCagtgacCgTcgtCcaT GaAAAAAATTTtCattgtt tTtTcatctTttctagATATATAAAAATAcgATTTtTgAg aaTcTtT T

RPL3_cerev : 1040-----*-----1060-----*-----1080-----*-----1100-----*----- : 1000
RPL3_mikat : 1040-----*-----1060-----*-----1080-----*-----1100-----*----- : 1001
RPL3_parad : 1040-----*-----1060-----*-----1080-----*-----1100-----*----- : 1001
A a Ctea cCtTtTgTtTtc T Ttatttt TTTTgTcattTccAGAActACACAGTTAcTACAACAaTCAaTc
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RPS28B

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*      *      *      *      *      *      *      *      *      *
RPS28B_cer : CAAGATAAAGCGAAACCTTAGGTCAAACGCTCCGACAAABCCAAAACCATAAAGTAAGTACGTAACCGATAGAAAGTTACAGGGAATTCAGGCCA---GAAACA : 111
RPS28B_par : -----AAACCATAAAGTAAGTACGTAACCGATAGAAAGTTACAGGGAATTCAGGCCA---GAAACA : 69
RPS28B_mik : -----ACCAAAAACCATAAAGTAAGTACGTAACCGATAGAAAGTTACAGGGAATTCAGGCCA---GAAACA : 76
RPS28B_kud : -----ATCAAATGCCCAAGCAACCTAAACCATAAAGTAAGTACGTAACCGATAGAAAGTTACAGGGAATTCAGGCCA---GAAACA : 94
acc AAATCCATAAAA TAAGTAAAGTACGTAACCGATAGAAAGTTACAGGGAATTCAGGCCA---GAAACA

120      *      *      *      *      *      *      *      *      *      *
RPS28B_cer : GCGGAGGCAAAAGTGTGATCGAAGCTGTGGCTGCAACCGTGAACAGCCAGACAGCAACCTAAGCAAAAG : 186
RPS28B_par : AAGCGGCAAAAGTGTGATCGAAGCTGTGGCTGCAACCGTGAACAGCCAGACAGCAACCTAAGCAAAAG : 183
RPS28B_mik : GCGGCAAAAGTGTGATCGAAGCTGTGGCTGCAACCGTGAACAGCCAGACAGCAACCTAAGCAAAAG : 190
RPS28B_kud : SAAGCGGCAAAAGTGTGATCGAAGCTGTGGCTGCAACCGTGAACAGCCAGACAGCAACCTAAGCAAAAG : 208
gc gc ga Aaa TaaTGATCa aC GTGC AccAaCaa GA A cagtaAG ggc AA taAA AAAA t ta atgaa catg taa ctcca gaa

240      *      *      *      *      *      *      *      *      *      *
RPS28B_cer : ---TGCTTCCAGAGTGAATGAGCGAAAGAAATTAAGTATGACCGCTAAAGTATCTCTCCAGTCCCAAAAAGCAAGGAAAGTTTCTGATTCAAGTGTAGTAAAA : 297
RPS28B_par : AACTGCTTCCAGAGTGAATGAGCGAAAGAAATTAAGTATGACCGCTAAAGTATCTCTCCAGTCCCGAAAAGCAAGGAAAGTTTCTGATTCAAGTGTAGTAAAA : 297
RPS28B_mik : AACTGCTTCCAGAGTGAATGAGCGAAAGAAATTAAGTATGACCGCTAAAGTATCTCTCCAGTCCCGAAAAGCAAGGAAAGTTTCTGATTCAAGTGTAGTAAAA : 301
RPS28B_kud : AACTGCTTCTCGAAGTGAATGAGCGAAAGAAATTAAGTATGACCGCTAAAGTATCTCTCCAGTCCCGAAAAGCAAGGAAAGTTTCTGATTCAAGTGTAGTAAAA : 319
aa TGcttCCagAtGT AATGaa G AAaGaaATTAc A agATgacgCTAaA TATctcttgA t aaaaa AACGAAC TTTat ATTC AG gTAgTAGAAAA

360      *      *      *      *      *      *      *      *      *      *
RPS28B_cer : CATACCCGCGCGCAAAAGAGTGTACACATTTGACCAATTAACATATTTTGGAAATGACCAAGTGTATGCGCTCCCGAAGATTTTCGCTT---CCTGGCAGAAAT : 408
RPS28B_par : CATACCCGCGCGCAAAAGAGTGTACACATTTGACCAATTAACATATTTTGGAAATGACCAAGTGTATGCGCTCCCGAAGATTTTCGCTT---CCTGGCAGAAAT : 408
RPS28B_mik : CATACCCGCGCGCAAAAGAGTGTACACATTTGACCAATTAACATATTTTGGAAATGACCAAGTGTATGCGCTCCCGAAGATTTTCGCTT---CCTGGCAGAAAT : 412
RPS28B_kud : CATACCGCGCGCAAAAGAGTGTACACATTTGACCAATTAACATATTTTGGAAATGACCAAGTGTATGCGCTCCCGAAGATTTTCGCTT---CCTGGCAGAAAT : 421
CATAccC Cca A AAAGA t aacaaTTGTAACATTaCa ATAtttTGGAAATC AccAcTgtT T GaCtT t tTcACC CatGgAtCaTCTGcT CCTGgtCAGAAT

460      *      *      *      *      *      *      *      *      *      *
RPS28B_cer : AACTTACCAAAACCTCAAGAACAAATTTATATCTCATATAAATCAATTTTCAAGCAATTTGGTAGAAAAATTTCCATAATAAACCAAGAGTTAAATAGAAAAATCTTAAA : 522
RPS28B_par : AACTTACCAAAACCTCAAGAACAAATTTATATCTCATATAAATCAATTTTCAAGCAATTTGGTAGAAAAATTTCCATAATAAACCAAGAGTTAAATAGAAAAATCTTAAA : 522
RPS28B_mik : AACTTACCAAAACCTCAAGAACAAATTTATATCTCATATAAATCAATTTTCAAGCAATTTGGTAGAAAAATTTCCATAATAAACCAAGAGTTAAATAGAAAAATCTTAAA : 526
RPS28B_kud : AACTTACCAAAACCTCAAGAACAAATTTATATCTCATATAAATCAATTTTCAAGCAATTTGGTAGAAAAATTTCCATAATAAACCAAGAGTTAAATAGAAAAATCTTAAA : 535
tCgtTtCaCaAaAtAAaCt CAAGAACAAATTTATAgTtCaTcAaTcAATTTTTTC AacGaaTtGGTAGAAAAATTTCC ATAATAAACCAAGAGTTAAATAG AAAATCTT AAA

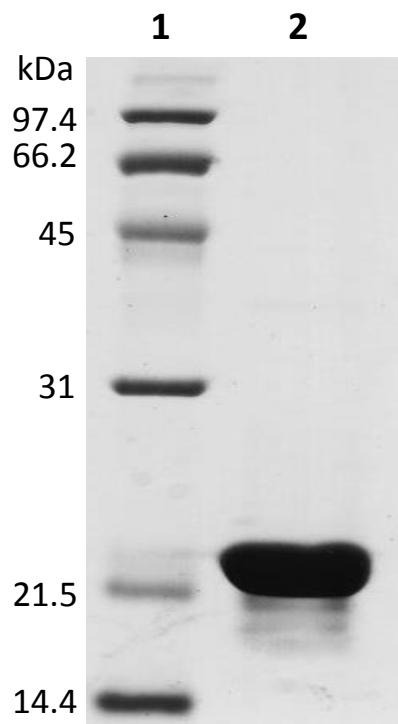
580      *      *      *      *      *      *      *      *      *      *
RPS28B_cer : GAGTTGTCGAAAAAATACAAAATCTATTTCGAATTACAAGATATTTCCAGAAAGATACCAATGAGATGCTAAATTCATGGCGAGATCAAAAGACATGATCAATCTCCCG : 636
RPS28B_par : GAGTTGTCGAAAAAATACAAAATCTATTTCGAATTACAAGATATTTCCAGAAAGATACCAATGAGATGCTAAATTCATGGCGAGATCAAAAGACATGATCAATCTCCCG : 636
RPS28B_mik : GAGTTGTCGAAAAAATACAAAATCTATTTCGAATTACAAGATATTTCCAGAAAGATACCAATGAGATGCTAAATTCATGGCGAGATCAAAAGACATGATCAATCTCCCG : 640
RPS28B_kud : GAGTTGTCGAAAAAATACAAAATCTATTTCGAATTACAAGATATTTCCAGAAAGATACCAATGAGATGCTAAATTCATGGCGAGATCAAAAGACATGATCAATCTCCCG : 649
GAGTTGTCGAAAAAATACAAAATCTATTTCGAATTACAAGATATTTCCAGAAAGATACCAATGAGATGCTAAATTCATGGCGAGATCAAAAGACATGATCAATCTCCCG

700      *      *      *      *      *      *      *      *      *      *
RPS28B_cer : GAAGATCAGTTCGTTCAAGCTATTGGACAGAAATTTGTAACCAAGAGATAAATATATACATATAGCCAAATTTCTTAAATTAAGTAAAGTAAAGTAAAGTAAAGTAAAG : 750
RPS28B_par : GAAGATCAGTTCGTTCAAGCTATTGGACAGAAATTTGTAACCAAGAGATAAATATATACATATAGCCAAATTTCTTAAATTAAGTAAAGTAAAGTAAAGTAAAGTAAAG : 750
RPS28B_mik : GAAGATCAGTTCGTTCAAGCTATTGGACAGAAATTTGTAACCAAGAGATAAATATATACATATAGCCAAATTTCTTAAATTAAGTAAAGTAAAGTAAAGTAAAGTAAAG : 750
RPS28B_kud : GAAGATCAGTTCGTTCAAGCTATTGGACAGAAATTTGTAACCAAGAGATAAATATATACATATAGCCAAATTTCTTAAATTAAGTAAAGTAAAGTAAAGTAAAGTAAAG : 754
GAAGATCAGcT gTtCaTcGTAATAGGAC AGGAAATTTaataAaTaaC ag gatAAATAgTATACATAT c a TtTtTAg T AAgTt GCTAA aAA g aAtA A

820      *      *      *      *      *      *      *      *      *      *
RPS28B_cer : GG-----CAAGCTTATTGATGTTGAACTTTTTTTTCGCGAGAGATGACTCTGCGCAATC---GACAC---TTTTCGTAAGATGATCAGCGCAACTTTTGAC : 847
RPS28B_par : CA-----AAAGCTTATTGATGTTGAACTTTTTTTTCGCGAGAGATGACTCTGCGCAATC---GACAC---TTTTCGTAAGATGATCAGCGCAACTTTTTG : 844
RPS28B_mik : CA-----GGCATTTAATGCAATGAACTTTTTTTTCGCGAGAGATGACTCTGCGCAATC---GACAC---TTTTCGTAAGATGATCAGCGCAACTTTTTG : 847
RPS28B_kud : TG-----TGTTCCAAATGATGTTGAACTTTTTTTTCGCGAGAGATGACTCTGCGCAATC---GACAC---TTTTCGTAAGATGATCAGCGCAACTTTTTG : 857
a cttA a Tg Tc A t TTTTT t tc T g cctcg C AtC a C a TcCGTA AA ATGATCAGCGCAACTTTTTT

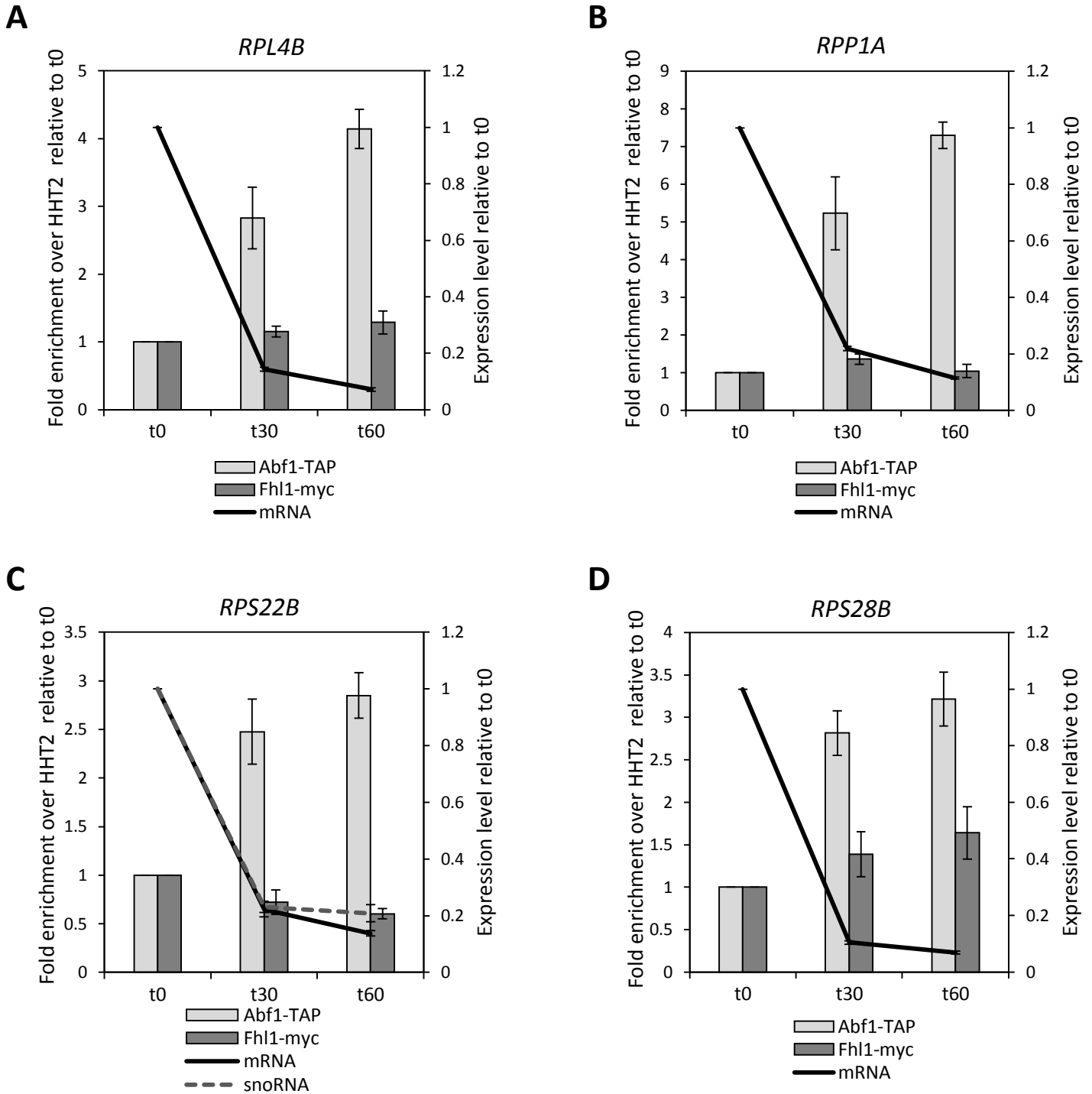
920      *      *      *      *      *      *      *      *      *      *
RPS28B_cer : AATTTTTTTTTTTCATCTGTTT---CGAGAAACCTGGACCTTTTTC---AGCAT---AGCAGT---TGCTCTCTCTCAATTAATTTTCTAGATCCGCTAGCTTTTCTCT : 956
RPS28B_par : GACATTTTTTTTTTTCATCTGTTT---CGAGAAACCTGGACCTTTTTC---AGCAT---AGCAGT---TGCTCTCTCTCAATTAATTTTCTAGATCCGCTAGCTTTTCTCT : 954
RPS28B_mik : GTCATTTTTTTTTTTCATCTGTTT---CGAGAAACCTGGACCTTTTTC---AGCAT---AGCAGT---TGCTCTCTCTCAATTAATTTTCTAGATCCGCTAGCTTTTCTCT : 959
RPS28B_kud : ACATTTTTTTTTTTCATCTGTTT---CGAGAAACCTGGACCTTTTTC---AGCAT---AGCAGT---TGCTCTCTCTCAATTAATTTTCTAGATCCGCTAGCTTTTCTCT : 960
TTTTTTTTTTCatc GTTt CgAagAaaCt GA CtTtT TgC TcCaT AgCaTtT tTgTctt CtC Att a taTtTt AGATccC gTA TtTt t

1040      *      *      *
RPS28B_cer : TGAACATTAATAAAA---ATACCAAGCAATAAAA---GAGCAGCAAAA : 1000
RPS28B_par : TCTTAAGATAAATAAAA---ATACCAAGCAATAAAA---GAGCAGCAAAA : 1000
RPS28B_mik : TCTTCTTATAAATAAAA---ATACCAAGCAATAAAA---GAGCAGCAAAA : 1000
RPS28B_kud : ---AGCATACCAAAA---ATACCAAGCAATAAAA---GAGCAGCAAAA : 999
t t ttAaTA AAA aa CAA gCAaaaa GAgCAGCAaaA
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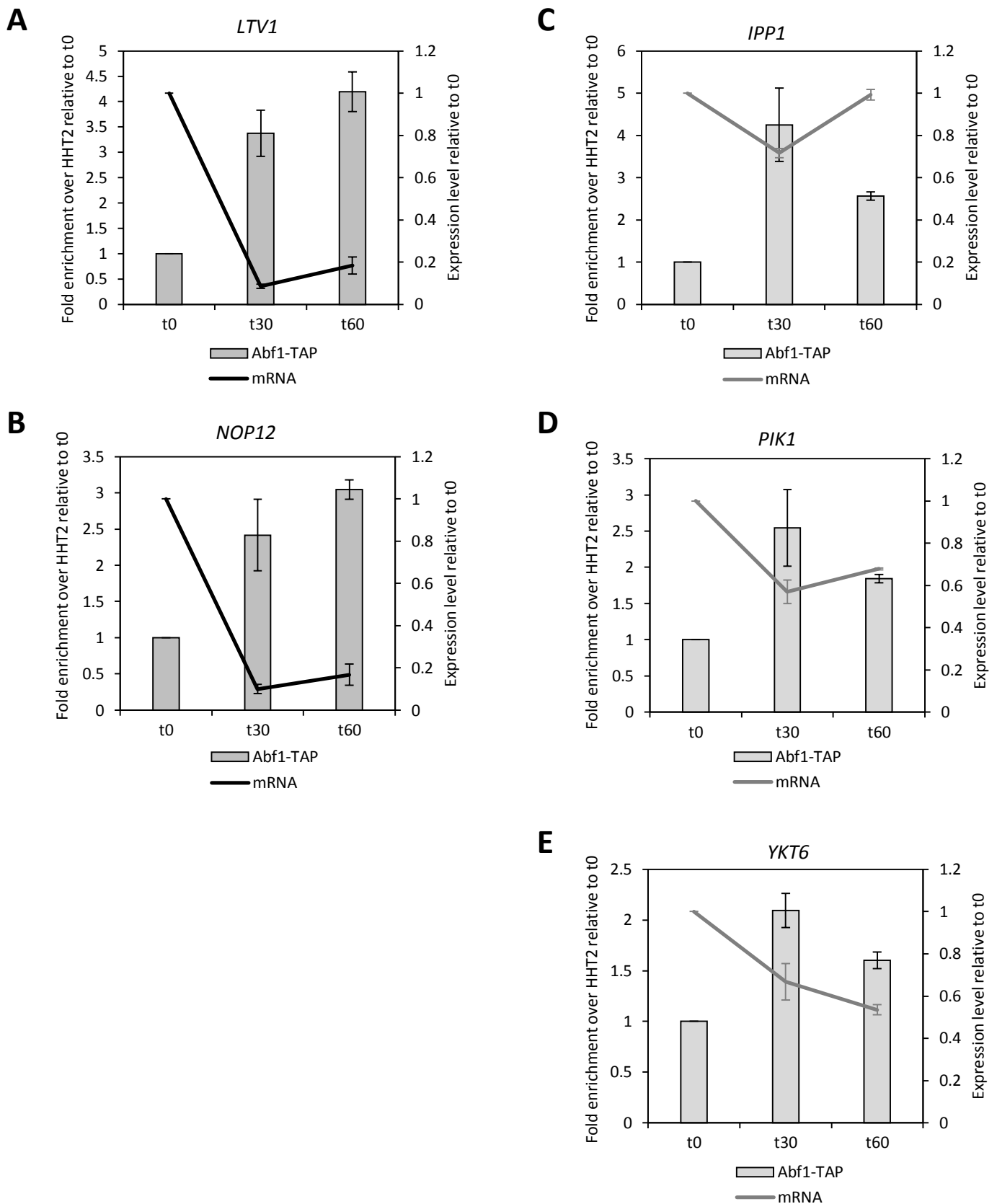
Supplementary Figure S2.

SDS-PAGE analysis on a 12% polyacrylamide denaturing gel of the purified His-tagged Fhl1 forkhead domain (FHD). Lane 1) protein markers; lane 2) His6-tagged FHD. Gel was stained with Coomassie blue dye.



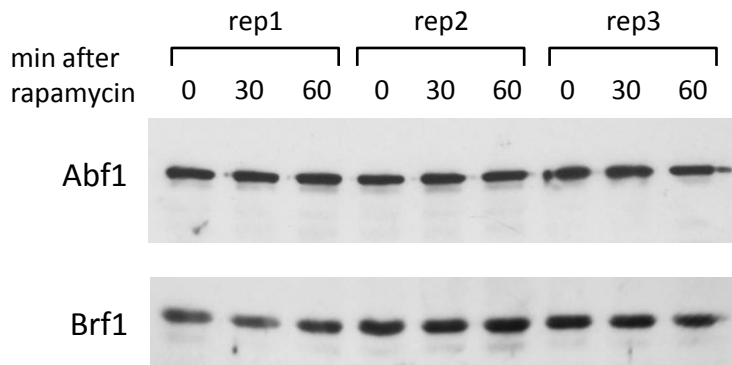
Supplementary Figure S3.

Abf1 and Fhl1 association with RPG promoters and expression level analysis after rapamycin treatment. Exponentially growing *ABF1* TAP-tagged or *FHL1* myc-tagged cells were treated with rapamycin (200 ng/ml). After 30 or 60 min of incubation, cells were collected for expression and ChIP analyses of *RPL4B* (A), *RPP1A* (B), *RPS22B* (C) and *RPS28B* (D) genes. Left y axis, Abf1 and Fhl1 enrichment (light grey and dark grey bars, respectively); right y axis, gene expression levels (black line; dotted grey line in panel C indicates *SNR44* expression level) are reported as relative to untreated cells (t0). Data were collected from three independent replicates and are presented as mean value \pm SEM.



Supplementary Figure S4.

Abf1 association with Rib1 and RP-unrelated promoters and expression level analysis after rapamycin treatment. Exponentially growing *ABF1* TAP-tagged cells were treated with rapamycin (200 ng/ml). After 30 or 60 min of incubation, cells were collected for expression and ChIP analyses of two Rib1 genes, *LTV1* (A) and *NOP12* (B), and of three RP-unrelated Abf1 targets, *IPP1* (C), *PIK1* (D), *YKT6* (E). Both Abf1 enrichment (left y axis) and gene expression levels (right y axis) are reported as relative to untreated cells (t0). Data were collected from three independent replicates and are presented as mean value \pm SEM.



Supplementary Figure S5.

Abf1 protein levels remain unaltered upon rapamycin treatment. Exponentially growing cells (Abf1-TAP strain) were treated with rapamycin (200 ng/ml). After 30 or 60 min of incubation, whole cell extracts were subjected to SDS-PAGE fractionation (8% polyacrylamide), followed by Western blotting using either anti-Abf1 polyclonal antibodies (yC-20, Santa Cruz Biotechnology) or anti-yeast Brf1 antiserum (provided by F. Pugh, The Pennsylvania State University). The results of hybridizations performed on the same nitrocellulose blot are shown. Rep1-3 refer to three independent rapamycin-treated cultures.

Supplementary Table S1. *S. cerevisiae* strains used in this study.

Strain	Relevant genotype	Source
BY4741	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i>	Open Biosystems
Abf1-TAP	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6</i>	Open Biosystems
Tbf1-TAP	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6</i>	Open Biosystems
Fhl1-13myc	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 FHL1-13MYC-KANMX6</i>	This study
ΔRPL4B	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPL4B::URA3</i>	This study
RPL4B Amut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPL4B Abf1 bs mut YEplac 181</i>	This study
RPL4B Fmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPL4B Fhl1 bs mut YEplac 181</i>	This study
RPL4B AFmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPL4B Abf1 bs mut Fhl1 bs mut YEplac 181</i>	This study
ΔRPP1A	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPP1A::URA3</i>	This study
RPP1A Amut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPP1A Abf1 bs mut YEplac 181</i>	This study
RPP1A Fmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPP1A Fhl1 bs mut YEplac 181</i>	This study
RPP1A AFmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPP1A Abf1 bs mut Fhl1 bs mut YEplac 181</i>	This study
ΔRPS22B	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS22B::URA3</i>	This study
RPS22B Amut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS22B Abf1 bs mut YEplac 181</i>	This study
RPS22B Fmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS22B Fhl1 bs mut YEplac 181</i>	This study
RPS22B Tmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS22B Tbf1 bs mut YEplac 181</i>	This study
RPS22B AFmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS22B Abf1 bs mut Fhl1 bs mut YEplac 181</i>	This study
RPS22B TAFmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS22B Abf1 bs mut Fhl1 bs mut Tbf1 bs mut YEplac 181</i>	This study
ΔRPS28B	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS28B::URA3</i>	This study
RPS28B Amut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS28B Abf1 bs mut YEplac 181</i>	This study
RPS28B Fmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS28B Fhl1 bs mut YEplac 181</i>	This study
RPS28B AFmut	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ABF1-TAP-HIS3MX6 RPS28B Abf1 bs mut Fhl1 bs mut YEplac 181</i>	This study

Supplementary Table S2. Oligonucleotides used in this study.

Name	Sequence (from 5')	Use
Fhl1_F2	GGGTACTACTGAAGTAAATGTATCCCTTGAGGAAAACTTCGGATCCCC GGGTAAATTA	<i>FHL1</i> tagging
Fhl1_R2	AAGATTTATGCTTCTACTTTCGAATATGCTAATACTATTATGAATTCGAG CTCGTTAAAC	<i>FHL1</i> tagging
RPL4B::URA3_fw1	GGTATTCATCTTACAGGAATTTTTGAGAGCTCGTTTTATTAGG	Gene disruption
RPL4B::URA3_rev1	CAGCCTTTTCAGAAACAGCGTAAGCGATCCCAATACAACAGAT	Gene disruption
RPL4B::URA3_fw2	TAAGTCCTGCCTTATTATATCGTAACGGTATTCATCTTACAGGAATTTTTG	Gene disruption
RPL4B::URA3_rev2	CAGGATTCAGCGGAGGTTTGGTGACCAGCCTTTTCAGAAACAGCG	Gene disruption
RPP1A::URA3_fw1	GAAGCCTTAACCCTGTAGCCTCATCAGAGCTCGTTTTATTAGG	Gene disruption
RPP1A::URA3_rev1	AAGCCTTAGCAAAAATATCAGCCAGATCCCAATACAACAGAT	Gene disruption
RPP1A::URA3_fw2	ATCTTGCTAATACTTCATTTAAAAGAAGCCTTAACCCTGTAGCC	Gene disruption
RPP1A::URA3_rev2	AAGTCCTCAAGTTTTGGCCGTCAAAGCCTTAGCAAAAATATCA	Gene disruption
RPS22B::URA3_fw1	CGCAGTAATCTAGAACCCTAACTTTTTTCAGAGCTCGTTTTATTAGG	Gene disruption
RPS22B::URA3_rev1	CCGAACCTAAGAACATTTACATTTCAATATGATCCCAATACAACAGAT	Gene disruption
RPS22B::URA3_fw2	TCATTATTCTTATGCATTACGTTTCGCAGTAATCCTAG	Gene disruption
RPS22B::URA3_rev2	CTCTTGTAACAATATCCAAGTTCAACCGAACTTAAGAAC	Gene disruption
RPS28B::URA3_fw1	GCTAGTACTCTGGCAATCGACACTTAGAGCTCGTTTTATTAGG	Gene disruption
RPS28B::URA3_rev1	CTTCACGTTTCAGATTCATCAAGACGATCCCAATACAACAGAT	Gene disruption
RPS28B::URA3_fw2	TCGAATCTTTTTTTCTCGCAGAGCTAGTACTCTGGCAATCG	Gene disruption
RPS28B::URA3_rev2	ATATACCTTTAACGCAAACGACGAGCTTCACGTTTCAGATTCCATC	Gene disruption
RPL4B fw	GCATAGTTCATTTCGACAGCTTGG	Gene replacement/ pGEM cloning
RPL4B rev	GCAGTAGCAGCAATAGCAGAAGC	Gene replacement/ pGEM cloning
RPL4B Abf1mut fw	TCCGTTAGAAATCGACTTATTTCTAAAGCATCGC	Gene replacement
RPL4B Abf1mut rev	GCGATGCTTTAGGAAATAAGTCGATTTCTAACGGA	Gene replacement
RPL4B Fhl1mut fw	AAAGCATCGCGCAGCCTCGATTTTTTAAACATTTT	Gene replacement
RPL4B Fhl1mut rev	AATGTTAAAAAATCGAGGCTGCGGATGCTTT	Gene replacement
RPP1A fw	CGAATGCGACGTTTCCTGCC	Gene replacement/ pGEM cloning
RPP1A rev	GTCGTCATCGGATTCTTCTTTAGC	Gene replacement/ pGEM cloning
RPP1A Abf1mut fw	GTCTGCTACATCGCCTGAGGTCCTAATATCGTAAG	Gene replacement
RPP1A Abf1mut rev	CTTACGATATTAGGACCTCAGGCGATGTAGCAGAC	Gene replacement
RPP1A Fhl1mut fw	ATCGTAAGATGATACCTCTCGACTTTGTAATGATT	Gene replacement
RPP1A Fhl1mut rev	AATCATTACAAAGTCGAGAGGTATCATCTTACGAT	Gene replacement
RPS22B fw	CAAGTATGATCCGTTATTCTTCTCG	Gene replacement/ pGEM cloning
RPS22B rev	TATTATCGGTTACAGTGGTCTTGAAAA	Gene replacement/ pGEM cloning
RPS22B Abf1mut fw	CTAAAATTACACTAAAAAATATCGGACGCAACT	Gene replacement
RPS22B Abf1mut rev	AGTTGCGTCCGATAITTTTTAGTGTAATTTAG	Gene replacement
RPS22B Fhl1mut fw	TCAAAAATGACGGCCTCGACTTTTCTCAGAAATT	Gene replacement
RPS22B Fhl1mut rev	AATTTCTGAGAAAAGTCGAGCCGTCATTTTTGA	Gene replacement
RPS22B Tbf1mut fw	GTAATCCTAGAAACAGATCTTTTTCTAAAATTAC	Gene replacement
RPS22B Tbf1mut rev	GTAATTTTAGAAAAAGATCTGTTTCTAGGATTAC	Gene replacement

RPS22B Abf1mut Fhl1mut fw	TTCTAAAATTACTACTAAAAAATATCGGCCTCGACT	Gene replacement
RPS22B Abf1mut Fhl1mut rev	AGTCGAGGCCGATATTTTTTAGTGTAATTTAGAA	Gene replacement
RPS28B fw	CAGAATGATACCAATGAGATGC	Gene replacement/ pGEM cloning
RPS28B rev	TGTTTAGATGAGCTTACCAACG	Gene replacement/ pGEM cloning
RPS28B Abf1mut fw	CGACACTTATTTAGGACAAAAGGCACACGCAACTT	Gene replacement
RPS28B Abf1mut rev	AAGTTGCGTGTGCCTTTGTCCTAAATAAGTGTCG	Gene replacement
RPS28B Fhl1mut fw	TTTCGTACAAAATGATCTCTCGACTTTTGACAATT	Gene replacement
RPS28B Fhl1mut rev	AATTGTCAAAAAGTCGAGAGATCATTGTGACGAAA	Gene replacement
RPS28B Abf1mut Fhl1mut fw	TTTAGGACAAAAGGCACTCTCGACTTTTGACAATT	Gene replacement
RPS28B Abf1mut Fhl1mut rev	AATTGTCAAAAAGTCGAGAGTGCCTTTGTCCTAAA	Gene replacement
RPL3_fw_ChIP	GGCCGGACAGTAATATAGTAATCG	ChIP-qPCR
RPL3_rev_ChIP	TTTTTCATGGACGATGATCACTG	ChIP-qPCR
RPL4B_fw_ChIP	GAAGGCATGAATTGTCTATTCCG	ChIP-qPCR
RPL4B_rev_ChIP	CATGAAAACCTTTCCAGAGTACTTGA	ChIP-qPCR
RPP1A_fw_ChIP	CCCTGTAGCCTCATCTATGTCTG	ChIP-qPCR
RPP1A_rev_ChIP	TTCAAATACCATGTAAAGGCATTC	ChIP-qPCR
RPS22B_fw_ChIP	GTTTCGCAGTAATCCTAGAACCC	ChIP-qPCR
RPS22B_rev_ChIP	TCCAGCGTAGAAAACTTTTTAAGAG	ChIP-qPCR
RPS28A_fw_ChIP	TCCCAATCTTTATACCCTGCGA	ChIP-qPCR
RPS28A_rev_ChIP	TCCAAGTAGTTCAACGACCAAGA	ChIP-qPCR
RPS28B_fw_ChIP	GCTAGTACTCTGGCAATCGACAC	ChIP-qPCR
RPS28B_rev_ChIP	GGAGCAAAAAAGATCCAAGTTTC	ChIP-qPCR
FLR1_ChIP_fw	GGAGCAATAACAGTGCGAAA	ChIP-qPCR
FLR1_ChIP_rev	TTATCCCGCCATTAGTCAG	ChIP-qPCR
LTV1_ChIP_fw	GCTTCTTGCGTCTATTTCTGC	ChIP-qPCR
LTV1_ChIP_rev	TCAGTCGCGTTATACGGATTAG	ChIP-qPCR
RPL28_ChIP_fw	ATTTTTCTATTTTCTCTGGCG	ChIP-qPCR
RPL28_ChIP_rev	GATGAAAGGTTGAACCTATCTGGG	ChIP-qPCR
NOP12_ChIP_fw	CACGTACTGTCCTTCCTGATTTCG	ChIP-qPCR
NOP12_ChIP_rev	CTGAAACATCAGGTTTGCTTGCT	ChIP-qPCR
IPP1_ChIP_fw	CGCAGACGCTAAGGTTGTTG	ChIP-qPCR
IPP1_ChIP_rev	AACTAACCTTCCTAACTTCGACGC	ChIP-qPCR
PIK1_ChIP_fw	CGTACTTGATAGCGTGTATAACAGGG	ChIP-qPCR
PIK1_ChIP_rev	GGTAGGGTCTTTTGTTCAGTGC	ChIP-qPCR
YKT6_ChIP_fw	GTGTTCCACAATTTACAGCATTATATG	ChIP-qPCR
YKT6_ChIP_rev	GTGCTTGCTCTTGATTTACACC	ChIP-qPCR
HHT2_RT_fw	TCAATCTTCTGCTATCGGTGCTT	ChIP-qPCR/ expression analysis
HHT2_RT_rev	GCGTGAATAGCAGCCAGATTAGT	ChIP-qPCR/ expression analysis
TAF10_exp_fw	ACCTTTCCATCGGTTGCG	expression analysis
TAF10_exp_rev	CCATCATCCACTACAGCCTCTCTC	expression analysis
ALG9_exp_fw	AATCAAGGTGGTGTGAAGGCAC	expression analysis
ALG9_exp_rev	GATTATCTGGCAGCAGGAAAGAAC	expression analysis

RPL4B_exp_fw	CCTTGAAGCATGACTAGAAATTTATAGT	expression analysis
RPL4B_exp_rev	GAAAACAAAAAGGTTTGATTAAGAC	expression analysis
RPP1A_exp_fw	GTCCAATACAACAGCTTAAACCG	expression analysis
RPP1A_exp_rev	CAAGGCGGCGTAAGACAAAAG	expression analysis
RPS22B_exp_fw	GACTCGCTCTTCCGTTTTAGC	expression analysis
RPS22B_exp_rev	GGTCTCAATAGAACCTGACGTTTAC	expression analysis
SNR44_fw	CCGGGCTGATAACTAGATGG	expression analysis
SNR44_rev	TCCATAACCGTGTAAGAAGCA	expression analysis
RPS28B_exp_fw	TGGTCTTGATGGAATCTGAACG	expression analysis
RPS28B_exp_rev	CAATGCTCGAAGAGCACCAATAG	expression analysis
LTV1_exp_fw	GTTCTGTCTCCAATCCAAATAAAA	expression analysis
LTV1_exp_rev	AGCCCTCCTACCCTTTGGTTT	expression analysis
NOP12_exp_fw	CACGTAAGTCCTTCCTGATTCG	expression analysis
NOP12_exp_rev	CTGAAACATCAGGTTTGCTTGCT	expression analysis
IPP1_exp_fw	CCTCCACGACATTCCCTTG	expression analysis
IPP1_exp_rev	CCTTGGTGATTTCTAACTTGGCG	expression analysis
PIK1_exp_fw	CTTCATGGAATGGCAGGTGAG	expression analysis
PIK1_exp_rev	CGTATCCTCTCTTCTTGGTAGCC	expression analysis
YKT6_exp_fw	GGCAGATGTGACTGAGACCAATG	expression analysis
YKT6_exp_rev	TGATAGCGTCAGCCTGTGAAG	expression analysis
Fhl1FHD_NheI_fw	GCTAGCAAGCCACCGAAAATACCA	FHD sequence cloning
Fhl1FHD_HindIII_rev	AAGCTTTTATTTTTTGCCCTCTGCGG	FHD sequence cloning

Supplementary Table S3. Oligonucleotide primers and templates used to generate radiolabelled EMSA probes.

Probe	Probe length	Template	Primers name	Primers sequence
RPL4B wt	188 bp	pGEM::RPL4B_wt	RPL4B_promoter_fw	GAAGTGCCTGAAGGCATGA
			RPL4B_promoter_rev	GCGATTGCTGATAGGAAAGAA
RPL4B Fmut	188 bp	pGEM::RPL4B_Fmut	RPL4B_promoter_fw	GAAGTGCCTGAAGGCATGA
			RPL4B_promoter_rev	GCGATTGCTGATAGGAAAGAA
RPP1A wt	172 bp	pGEM::RPP1A_wt	RPP1A_promoter_fw	GCCTTAACCTGTAGCCTCA
			RPP1A_promoter_rev	TCAGAACAGAAGAGATCGCAAA
RPP1A Fmut	172 bp	pGEM::RPP1A_Fmut	RPP1A_promoter_fw	GCCTTAACCTGTAGCCTCA
			RPP1A_promoter_rev	TCAGAACAGAAGAGATCGCAAA
RPS22B wt	151 bp	pGEM::RPS22B_wt	RPS22B_promoter_fw	CATTATTCTTTATGCATTACGTTTCG
			RPS22B_promoter_rev	GAAGAGAACAATTTATCCAGCGTAG
RPS22B Fmut	151 bp	pGEM::RPS22B_Fmut	RPS22B_promoter_fw	CATTATTCTTTATGCATTACGTTTCG
			RPS22B_promoter_rev	GAAGAGAACAATTTATCCAGCGTAG
RPS28B wt	161 bp	pGEM::RPS28B_wt	RPS28B_promoter_fw	GGCAAGCTTATTCATGTTTCG
			RPS28B_promoter_rev	CCAAAAGTGCTATGGAGCAA
RPS28B Fmut	161 bp	pGEM::RPS28B_Fmut	RPS28B_promoter_fw	GGCAAGCTTATTCATGTTTCG
			RPS28B_promoter_rev	CCAAAAGTGCTATGGAGCAA
RPL28	165 bp	pGEM::RPL28	RPL28_EMSA_fw	CCAGGGACCCACACATTAC
			RPL28_ChIP_rev	GATGAAAGGTTTGAACCTATCTGGG
FLR1	157 bp	pGEM::FLR1	FLR1_EMSA_fw	ATGAAAGAAGACAAATGCAAAAG
			FLR1_EMSA_rev	CTGTTCCCTTTTACCTGAC