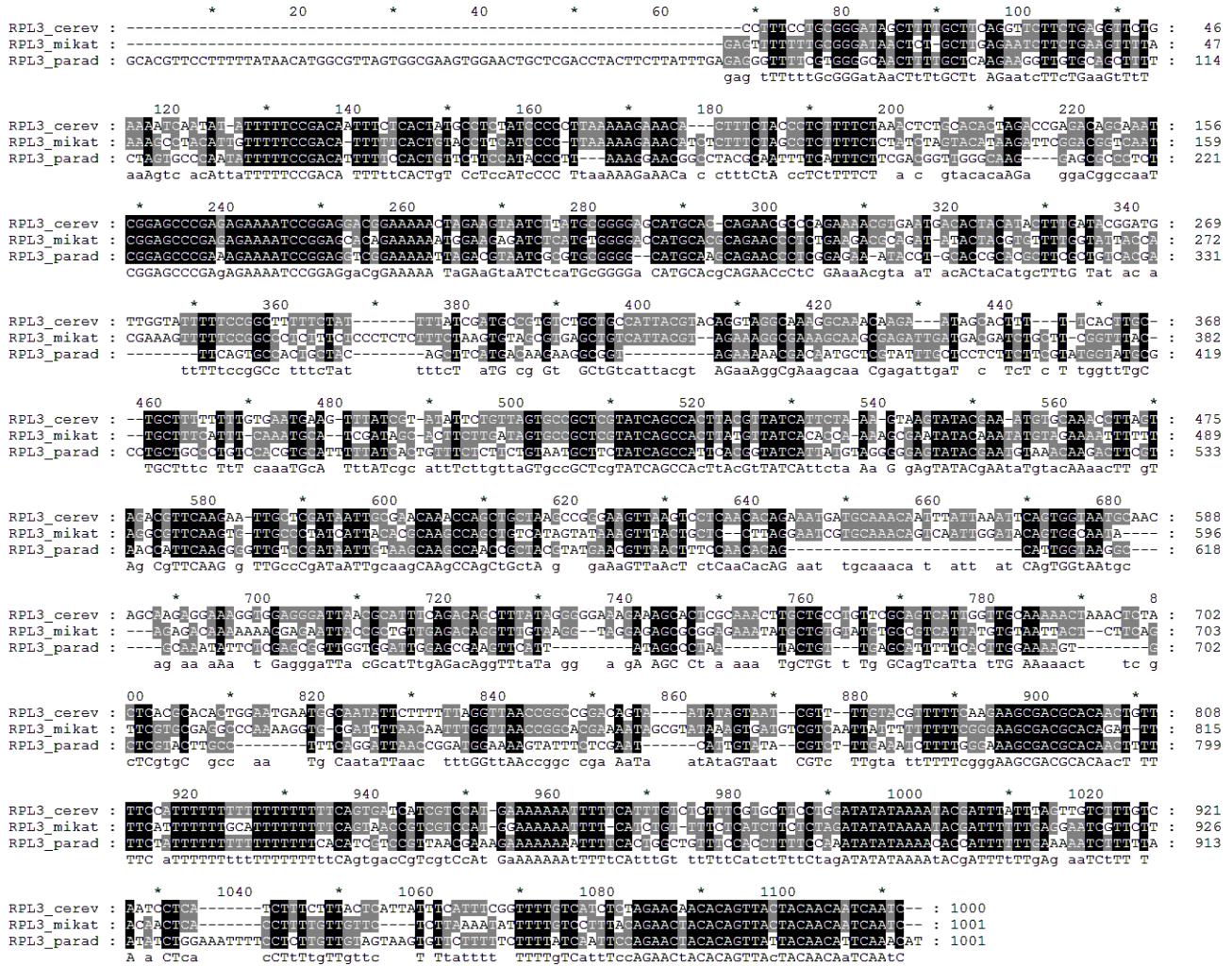


Supplementary figure S1.

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

RPL3



RPL4B

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          *  20   *  40   *  60   *  80   * 100   * 120   * 140   * 160   * 180   * 200   * 220
RPL4B_cere : -----ATATGATAAAACAGCTAAATTACTGGCTGTCAACCC-----ACCTGTCCTGCCCTTTCAGAAAAGAAATAAAGAAATTTG : 90
RPL4B_mika : -----TTACCTGTTCCATATATAACAAACAGCTAACTTACCTGCAGCGTCCGCCCTCCTTCCTCTCTTGCACAAA : 100
RPL4B_para : GTTTCGCATATGTACCTGTTCCATATGTAAACAAACGGACTAAATTACTGGCGTGTCACTGTT-----TTGCCCCAAAAGTAAPACTTGGT : 104
RPL4B_kudr : -----CCATATGTTACAAACAGCTAAATTACTGGCGTGTCAACCCCTCCTTCCTCTCTTGTGACATCTTG : 89
                                         tccATATgtTAaAAACggTTaaATTatCTGGCgTGCAAGcctt         a c Taa AC      a at A a  tt

          120   * 140   * 160   * 180   * 200   * 220   * 240   * 260   * 280   * 300   * 320   * 340
RPL4B_cere : ACACAGCAAACAAAGCCCTACACAGCTGGTCAATCTT-----TTAGGAAGGTATCCATAATAAGGAAAGAAATTCAGTAGAA : 196
RPL4B_mika : ATACATATATTCTGGCTTACACAGCTGGTCAATCTT-----TGAGGACATTCCTGAAACGAAATACAGTACACGATATTCAGCAAGTAA : 204
RPL4B_para : GCTTACCGGTTCTACAGCTGGGAGGCGCTGTTGCAATTAACGGTACCCCTACCTTTCGGGTGCGAAAAGAGATACCTGGC : 211
RPL4B_kudr : TCTAACGCAACGCTTGCTCTATTTCTACATTTGCTGTGTACCCCTTCTATGTTGCGGAAAGAGATACCTGGC : 180
                                         c A g aaa tct T a   tgT t Attc a t   cc Tt t tatT C c AA aaGAGAcA CC      AG a AT G g

          * 280   * 300   * 320   * 340   * 360   * 380   * 400   * 420   * 440   * 460   * 480   * 500   * 520   * 540   * 560
RPL4B_cere : TCTGGCTAAACGTTTACGTGGCAACTTGTGTGTCTATA-----TTCGCAACCTATCTGCAAGTGCAAAACGTTTACGTATTCGG : 307
RPL4B_mika : AAACAAACCGGTCTAACACGGATATAAGTGTAAATAACAGATTTT-----TGAACTGCTAAGGTCTACATTTGCAACGGCTATTCG : 298
RPL4B_para : CGCRAAACTGGTAAAGCGCAACCCAGCATGCCTGGAACTATACATAGTAAAGCTAGT-----CTAAATCCCTAAAGGCTTGAGTGGC : 322
RPL4B_kudr : TCGCTAACACACCGGATATTAACCGGTTCTGGCTTTTGCTGCTTCTACGAAACGTTAAGGCTAAACGATACCTGGCCAGCTCAGA : 289
                                         t gCtAaAG g a ta caAa t A   T t a   T c A   ta at g G   aa c   c   a ctgTg   g a a CaT   t attac a A

          * 580   * 600   * 620   * 640   * 660   * 680   * 700   * 720   * 740   * 760   * 780   * 800   * 820   * 840   * 860   * 880   * 900   * 920   * 940   * 960   * 980   * 1000   * 1020
RPL4B_cere : GCTATTTCTCAAAATTTATTCGAAAGAAGTCAACGAAAGAATGACCRCCATACTTACGCTACCAACTTACGAAATGCAACTTATTCG : 419
RPL4B_mika : CGCTTCCCTGCTCAAAATTTATTCGAAAGAAGTCAACGAAAGAATGACCRCCATACTTACGCTACCAACTTACGAAATGCAACTTATTCG : 404
RPL4B_para : G-----TTTCTGGACCCGGCTACAAACGGCTATACTTACGAAAGAATGACCRCCATACTTACGCTACCAACTTACGAAATGCAACTTATTCG : 424
RPL4B_kudr : AAATTTAGTCAGTGTGTGTA-----ATAATGCAACTTCTGGCTGGATAATTCCTGCAATGCAACTTACGAAATGCAACTTACGCTACCA : 400
                                         TTT a a t Ta   aaAa A tgAgAAC a   t g a AT   a Tga ag g tAc aA g   aa t   T TTT   ta a At T at

          * 960   * 980   * 1000   * 1020   * 1040   * 1060   * 1080   * 1100
RPL4B_cere : GCAGGCCTCTCPATACCAAATGTAATTCTTATTCCTTTCTTCTCTCCTGCTGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 530
RPL4B_mika : ATAA-GCTTCTTCATAAATCTTAACTGTAACCTGAACTATAAATTCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT : 513
RPL4B_para : ATTG-TACGGTTCTTCAACGTTT-----AAATAATCAGTAAATACATTTCATACTTCTCTCTCTCTCTCTCTCTCTCTCTCT : 516
RPL4B_kudr : ATTC-TCCGGTAAAGGGATTCTCAACGGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT : 505
                                         at aCc Ttcta t   at ta   tt tat at Tttt t   tg t T   atTC   G tt T gaaa qt tgAA a ttt   Aca A

          * 500   * 520   * 540   * 560   * 580   * 600   * 620   * 640   * 660   * 680   * 700   * 720   * 740   * 760   * 780   * 800   * 820   * 840   * 860   * 880   * 900   * 920   * 940   * 960   * 980   * 1000
RPL4B_cere : AAGGTTTCTGAACTCACTAATGAGGTTCACATAAAAGCT-----TTTCGCTPATATAACGCAACCTTACGGGGCCCTAC-----TTGTTCCGCTGTTCTTCTTCTTCTTCT : 633
RPL4B_mika : ARGGTTCCPCCGCTTAAATGAGCTTACCTGCACAACTATAATACTGCGTTGCTTTCACCCGACAC-----AACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 620
RPL4B_para : CGGACTGTAGAGATAATGCTAAACAAACAAATGCCAGCGCT-----CCAGAGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 617
RPL4B_kudr : CGGCTCCACAAAGCATAATTAATACATTAACATAAGCTGATAATACTGCAATGCGCTAACACTCACACGTTGAT-----TCCTGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 613
                                         Gct atAgcT ATAA a g A a   A ca   Ca aaAg A   CC tATcc ac tA c T tta aGt C aTaTA G

          * 740   * 760   * 780   * 800   * 820   * 840   * 860   * 880   * 900   * 920   * 940   * 960   * 980   * 1000   * 1020
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RPL4B_mika : TAGCCCTGCGCAGGGCTACAGAAAGGGGGATAAATCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT : 722
RPL4B_para : AAAGTCTCGGTTTCTGAGGACT-----CTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT : 725
RPL4B_kudr : AAAGCTCTGGTTTACAACTTCTTAATACCCAAATTTCTGGC-----TCCGGAACTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 716
                                         Aa c Tg gca ttac Gaa t T a Aa Tt Aac tg aa tt t t t GAA tg TG A cata AAtt agAAAG

          * 00   * 200   * 400   * 600   * 800   * 1000   * 1200   * 1400   * 1600   * 1800   * 2000   * 2200   * 2400   * 2600   * 2800   * 3000   * 3200   * 3400   * 3600
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RPL4B_para : TTGGCTTCTAGGCTACCTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 827
RPL4B_kudr : AACCTTACGATACACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 825
                                         T tccTtAgt a tt c T Ta A   ctaT   ta ac tg c ta Cat A   a t ctt t ccat AAttATCcT

          * 380   * 400   * 420   * 440   * 460   * 480   * 500   * 520   * 540   * 560   * 580   * 600   * 620   * 640   * 660   * 680   * 700   * 720   * 740   * 760   * 780   * 800   * 820   * 840   * 860   * 880   * 900   * 920   * 940   * 960   * 980   * 1000   * 1020   * 1040   * 1060   * 1080   * 1100
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RPL4B_para : GGACCGAGTCATCCTGGCTGAGCGCAATTCTT-----TTTTTTTTTTTTTTTCAAGGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 932
RPL4B_kudr : TTACGGAAACGAGCGAGCGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG : 933
                                         tt ACAGAA catcG ccaGAGCGCAattT tttt ttttttttttc aagc ta Tg Aaaa aTTT cAt cagAt tt aata a t c a ttTaAtTgt

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RPS28A

RPS28A_cer : ----- * 20 * 40 * 60 * 80 * 100 *
 RPS28A_par : ----- GGTAGGTTGCGATTCCTACGCCACTTATGAAATCACCIAAGGAACCCATCAATTGAAACATAGTCTCTTTGGGCCGATGAGCAGAACATATCAGAACCTCTT : 96
 RPS28A_mik : ----- CTTGGCATTTCTCCACGACTTTATGAAATCACCIAAGGAACCCATCAATTGAAACATAGTCTCTTTGGGCCGATGAGCAGAACATATCAGAACCTCTT : 103
 RPS28A_kud : CATTAGCTCTGGATAAGGGTTGCGCATTTATGAAATCACCIAAGGAACCCATCAATTGAAACATAGTCTCTTTGGGCCGATGAGCAGAACATATCAGAACCTCTT : 97
 CTTCTGG TTTtCcCC ACTTTATGAAATCaccctAaggAACCTTCAATTgAACAT GtCCTCTTTGGC CgGATGta GtaG A tATcaGaaCT TT : 114

 RPS28A_cer : 120 * 140 * 160 * 180 * 200 * 220 *
 RPS28A_par : CTTGGCAGAACCTCTTCTTCATATTCTGGCTTCTTGATTAAGTCTCTCTCATCTTGGACCCAAACAGTAAACAGCTTGTGATEATGGCTGAA : 210
 RPS28A_mik : CTTGGCAGAACCTCTTCTTCATATTCTGGCTTCTTGATTAAGTCTCTCTCATCTTGGACCCAAACAGTAAACAGCTTGTGATEATGGCTGAA : 211
 RPS28A_kud : CTTGGCAGAACCTCTTCTTCATATTCTGGCTTCTTGATTAAGTCTCTCTCATCTTGGACCCAAACAGTAAACAGCTTGTGATEATGGCTGAA : 228
 CTTGG AGAA t Gt TCTCTTTTCAtt TCTGTTGtCTTCTT TTGA AAGCTCTCtCATCCTTGGACCCAAAGCTTAA A TCTTGgTcgAT ATTGGCTTAA : 211

 RPS28A_cer : 240 * 260 * 280 * 300 * 320 * 340 *
 RPS28A_par : ACTCGTGGATCGGCCATCTCACGCTCTTAAACTTCCTGGACCTTTATAACCATCGCAAATACTCTGGTCAAGTAAATGCTTCCTTCTGAATGTCG : 324
 RPS28A_mik : ACTCGTGGATCGGCCATCTCACGCTCTTAAACTTCCTGGACCTTTATAACCATCGCAAATACTCTGGTCAAGTAAATGCTTCCTTCTGAATGTCG : 331
 RPS28A_kud : ACTCGTGGATCGGCCATCTCACGCTCTTAAACTTCCTGGACCTTTATAACCATCGCAAATACTCTGGTCAAGTAAATGCTTCCTTCTGAATGTCG : 325
 ACTaCGTGGATC GCCCA TT AGcTCTTAAAGTT AAACATC GCAAAat CCTGG ACTA TTATAaCGTCttt AAAATC TTTC TTgTTTCTtTGAAtgTatTG : 342

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 RPS28A_mik : CATGACCTAATTCTCAACCTGATCCTCTGATPATCTCAATACCGACGCCAGAGTTTCATCACTACCCATTTGGGCGATGCCTGGCCCTTACCATTTTGAATGGCC : 445
 RPS28A_kud : CATGACCTAATTCTCAACCTGATCCTCTGATPATCTCAATACCGACGCCAGAGTTTCATCACTACCCATTTGGGCGATGCCTGGCCCTTACCATTTTGAATGGCC : 439
 CATGAC TAAttTCTaAccTgATCCTCaGT ATCtCAATACC AC CCAGAGTTTCgTTCAT CCCTc TTGGT GATGC TCGCC TTgCCTtACATATTAAATGCGGC : 456

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 RPS28A_par : ATTCGACTTGTGAGATGTCCTTCAATCACGATTATGAGCCGTTAACATTAATTCTGAGCTGGTAGATCTGACCTCTGAAAGTGCGCGTGTGACTACGGCTC : 552
 RPS28A_mik : ATTCGACTTGTGAGATGTCCTTCAATCACGATTATGAGCCGTTAACATTAATTCTGAGCTGGTAGATCTGACCTCTGAAAGTGCGCGTGTGACTACGGCTC : 559
 RPS28A_kud : ATTCGACTTGTGAGATGTCCTTCAATCACGATTATGAGCCGTTAACATTAATTCTGAGCTGGTAGATCTGACCTCTGAAAGTGCGCGTGTGACTACGGCTC : 553
 AT gACTTGCa aGATGTCCTCAAGTCAccGTTaATGATAccGttAACaATCaAATGCAActTggGAAGATctGcACCTTGG aAAAGA GctA GTT TGTActAgtGCGCT : 570

 RPS28A_cer : 580 * 600 * 620 * 640 * 660 * 680 *
 RPS28A_par : GCTGAGATTTCCTCATCTTGCGGAGGAGGCTCTTATGAAATTGTAAGTGAATGAAACCTTTTATTCTTGACAACTTCCTTCTTCATCTTCGAAACCCAA : 666
 RPS28A_mik : GCTGAGATTTCCTCATCTTGCGGAGGAGGCTCTTATGAAATTGTAAGTGAATGAAACCTTTTATTCTTGACAACTTCCTTCTTCATCTTCGAAACCCAA : 673
 RPS28A_kud : GCTGAGATTTCCTCATCTTGCGGAGGAGGCTCTTATGAAATTGTAAGTGAATGAAACCTTTTATTCTTGACAACTTCCTTCTTCATCTTCGAAACCCAA : 667
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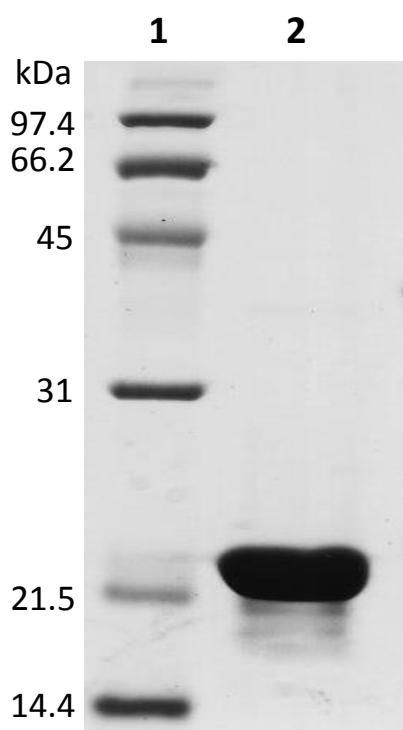
 RPS28A_cer : 700 * 720 * 740 * 760 * 780 * 8 *
 RPS28A_par : TTGAGCAATCACATCTTCACTGAGAGAC---ATTTTATATA-----GACGTTATTAATCTCCATATA----TTTTCATTTTAACAGATCAAATCCCTT : 772
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 RPS28A_kud : TTGAGCAATCACATCTTCACTGAGAGAC---ATTTTATATA-----GACGTTATTAATCTCCATATA----TTTTCATTTTAACAGATCAAATCCCTT : 773
 TTGAGCAATCACATCTTCACTGAGAGAC---ATTTTATATA-----GACGTTATTAATCTCCATATA----TTTTCATTTTAACAGATCAAATCCCTT : 788
 TGTGAAAACAGCtgAGTCAATTCTTCatCACAGACGAC ATTTTTA T TATT G cggTg T TaCtcCtg ta t tccttaga Caat a Ca ATCCtT : 788

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 RPS28A_mik : TAAGCAATCACATCTTCACTGAGAGAC---ATTTTATATA-----GACGTTATTAATCTCCATATA----TTTTCATTTTAACAGATCAAATCCCTT : 884
 RPS28A_kud : TAAGCAATCACATCTTCACTGAGAGAC---ATTTTATATA-----GACGTTATTAATCTCCATATA----TTTTCATTTTAACAGATCAAATCCCTT : 883
 TaA catatCAATC CAATCTTT ta c c GCGATGtaAAATTTTCCaTTT CACAGACGC GCCGCGtGagTGACC ACGCCTTTTTT Ga AAAtTTTTTTT T : 889

 RPS28A_cer : *
 RPS28A_par : *
 RPS28A_mik : *
 RPS28A_kud : *
 CAAAC : 1000
 RPS28A_cer : CAAAC : 1000
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 RPS28A_kud : CAAAC : 1000
 CAAAC

RPS28B

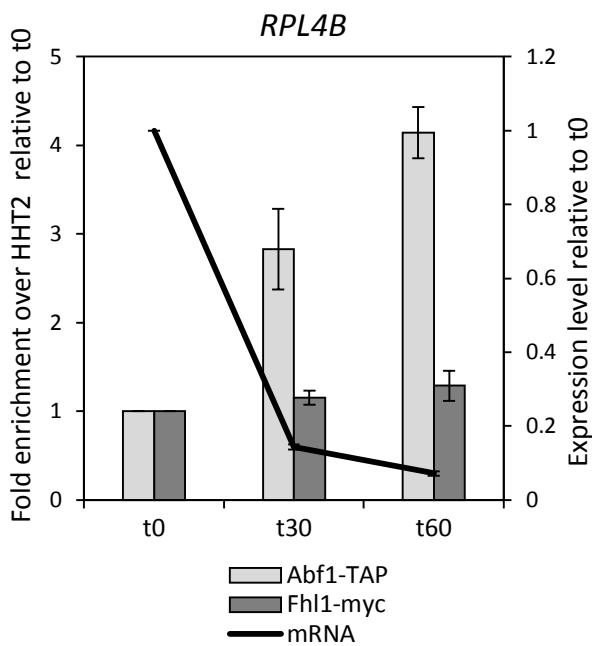
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RPS28B_mik : -----ACCAAAACCATAAAGATTAAAGCTCGGACCCATAAGAAGTACAGAGAAAAGCTGCAATCACTA
RPS28B_kud : -----ATCAAACTGCCCAAGCAGAACCTAAACCCATCAAATAAAGCTACGTACCGCTAGCAAPCTAAC
acc AAATCCATAaaA TAAtgTAAGCTcgTaaCcTaAaa AaCttacag agaAAA T aa ca gaaCa : 111
120 * 140 * 160 * 180 * 200 * 220 *
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RPS28B_par : ACAGGCGAGAGCTAATGATCAGGCCTGCGACCCAAACATGAACAGATCGCAACCCGGAAAG
RPS28B_mik : CGGAGCTAACAAATGCTCGAGATCTCGGCGACCCAAACAGATGAGCAGTACTGGCAATATCTG
RPS28B_kud : AACGCTGCCAACCATATGTCGATCAGGAGAGACCCAGCTAGCTGGATGTAACAGGATCTG
gc GC ga AAA TaaTgATCa aC GTGc AccaaCaa GA A ctagtAG ggc AA taAA AAAA t ta atgaa catg taa ctcca gaa : 186
240 * 260 * 280 * 300 * 320 * 340 *
RPS28B_cer : ---TGCCTTCAGAGTGAATGAGGGAAAGATTACTGAGTACGCTAAACTATCTCTCGACTCGAAAAAA
RPS28B_par : AACGTGCTTCAGAGTGAATGAGGGAAAGATTACTGAGTACGCTAAACTATCTCTCGACTCGAAAAAA
RPS28B_mik : AACGTGCTTCAGAGTGAATGAGGGAAAGATTACTGAGTACGCTAAACTATCTCTCGACTCGAAAAAA
RPS28B_kud : AACGTGCTTCAGAGTGAATGAGGGAAAGATTACTGAGTACGCTAAACTATCTCTCGACTCGAAAAAA
aa TGCTTCAGatGT AATGaa G AAGaaATTCA a AgATgacgCTAAa TATCtcgtGA t aaaaaa AAcGAACATTTat ATTG AG gTgAgAAAAA : 297
360 * 380 * 400 * 420 * 440 *
RPS28B_cer : CATACCCCCCCAGCAAAAGACTGTAAACATTGGAACTTGGATCTACGAGGAGCTCTCGCTG
RPS28B_par : CATACCCCCCAGCAAAAGACTGTAAACATTGGAACTTGGATCTACGAGGAGCTCTCGCTG
RPS28B_mik : CATACCCCCCAGCAAAAGACTGTAAACATTGGAACTTGGATCTACGAGGAGCTCTCGCTG
RPS28B_kud : CATACCCCCCAGCAAAAGACTGTAAACATTGGAACTTGGATCTACGAGGAGCTCTCGCTG
CATACCC CCa A AAAAGA t aacaATTGAACTTACA ATATTGGAATC AccActGTT GaCtt t tCtca CAtggAtCaTCTGcT CCTGgtCAGAAT : 408
460 * 480 * 500 * 520 * 540 * 560 *
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RPS28B_par : TCGTTTACAGAAATAAGCTGAAAGAACAAATTTATAGCTGATPAAATCATTTTGTAACGATTTGGT
RPS28B_mik : TCGTTTACAGAAATAAGCTGAAAGAACAAATTTATAGCTGATPAAATCATTTTGTAACGATTTGGT
RPS28B_kud : TCGTTTACAGAAATAAGCTGAAAGAACAAATTTATAGCTGATPAAATCATTTTGTAACGATTTGGT
tCgTTcaCaAtAAact CARGAACAATTTAGTAGTCatCAcAtTCATTTTC AcGaaTTGGTaAGAAAAATTTC ATAATAAACCAAGAGTTAACATC AAAATTCTT AAA : 522
580 * 600 * 620 * 640 * 660 * 680 *
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RPS28B_par : GAGTTTCGGAAAAAAACAAAAACCTTTTCGAATTACAAAGATTTCCAGAAATGATACAGGAGCT
RPS28B_mik : GAGTTTCGGAAAAAAACAAAAACCTTTTCGAATTACAAAGATTTCCAGAAATGATACAGGAGCT
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ATAATGAGTTAACAGATA TTTCCAGAAATGATACAGGAGCT AAAATCATGGAGATTAAGACATGTAATAAATCCTCC : 649
700 * 720 * 740 * 760 * 780 * 8 *
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RPS28B_par : GAAGATCAGTCGTCGTCAGCTATTAGGACOAGAAAATTCTACAGAACAGAGATAAATGATACATATA
RPS28B_mik : GAAGATCAGTCGTCGTCAGCTATTAGGACOAGAAAATTCTACAGAACAGAGATAAATGATACATATA
RPS28B_kud : GAAGATCACTAAATCAGCTATAGGACOAGAAAATTCTACAGTCAGAACTAAGATATACATATA
GAAGATCAGCT gttCAgTCATAAGGAC AGGAAATTtaatAatAa aG gaTAaaTAGTACATATA c a TtTTGAG T AAgTT GCTTAA aAA g aaTAA : 754
00 * 820 * 840 * 860 * 880 * 900 *
RPS28B_cer : GG-----CRAGCTTATCTCCTGAACTCTTTCTCGCAGAGGCGACTACTCTCGGCTC
RPS28B_par : G-----AAAGCTTATCTGTTCTGCTATTCCTGCTGATCCTGCTCAGCTCTGCT
RPS28B_mik : G-----CCGATTTATTGCTGTTCTGCTATTCCTGCTGATCCTGCTCAGCTCTGCT
RPS28B_kud : T-----TGTTCCTCAATCTGCTGCTATTCCTGCTGATCCTGCTCAGCTCTGCT
a ctta a Tg Tc A t TTTT T tc T g ctctg C AtC a C a TtCGTA AA ATGATCACGCAACTTTT : 847
920 * 940 * 960 * 980 * 1000 * 1020 *
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RPS28B_par : GACAATTTTTTTTTCATGTTT-CGAGGAAACTTGAGCTTTTGCG-TCCAT-AGCACTT-TGGCTCTCCGCTATTGATTTTC
RPS28B_mik : GTCAATTTTTTTTTCATGTTT-TGAGAAATACTTGAGCACTTTTGCGCTCATTGATTTTC
RPS28B_kud : GCATTATTTTTTTCACCGGTCT-GCAAAAGT-GACATTTCCTCGAGCACTTTTGCGCTCATTGATTTTC
TTTTTTTTTCAtc GTtt CgAgaAaCT GA Ctttt TgC TccAt AgCAttT tGggTctt Ctc Att t taTTtt AGATCCGCAGTCTCTCTT : 956
1040 * 1060 *
RPS28B_cer : GAGAGATTAATAGAAA---ATGAGCAAGCTAAGAAAGCAGCAAAA : 1000
RPS28B_par : CTCAAAGATAAGAAATAATAAGCAAGGCAAAAAGAGCAGCAAAA : 1000
RPS28B_mik : GCTCTTTATTAAGAAA---ATGAGCAAGCTAAGAAAGCAGCAAAA : 1000
RPS28B_kud : AGCAAGGAGAAAG---ATGAGCAAGAAAAGAGCAGCAAAA : 999
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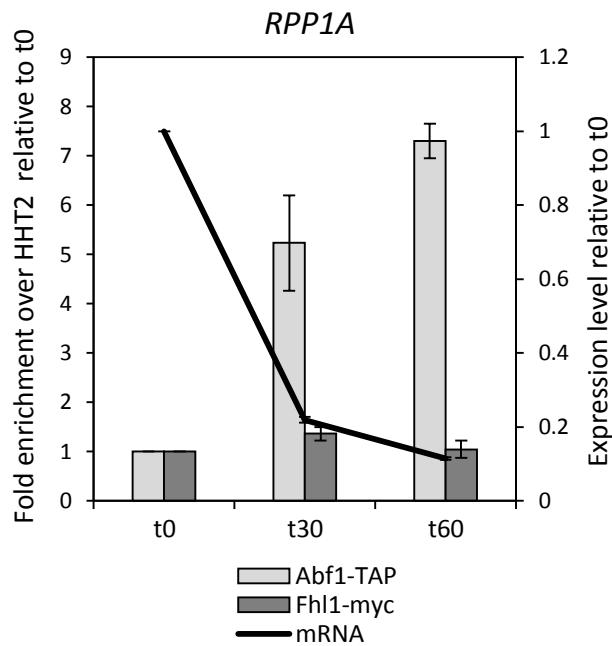
Supplementary Figure S2.

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.

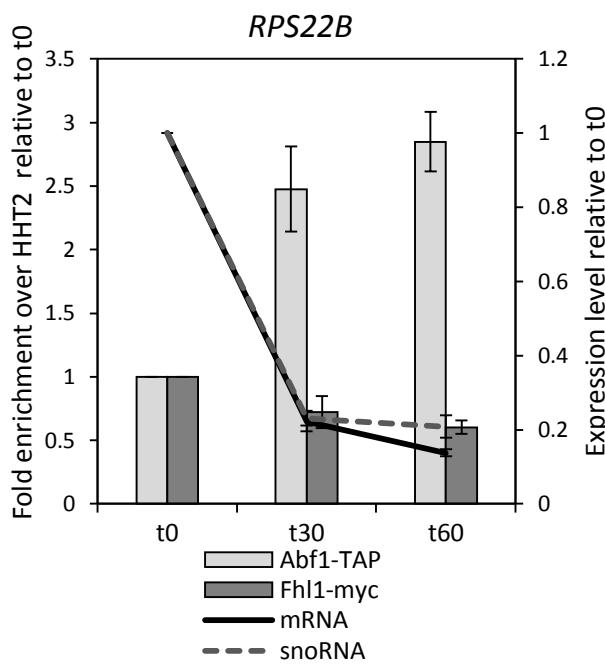
A



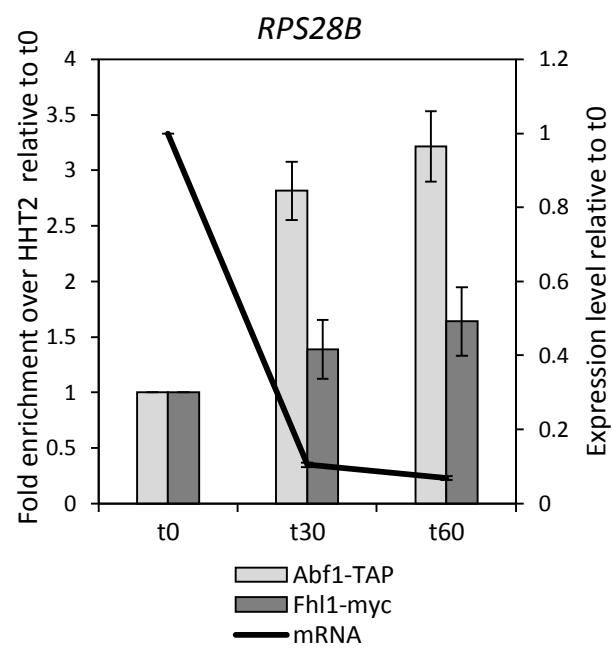
B



C

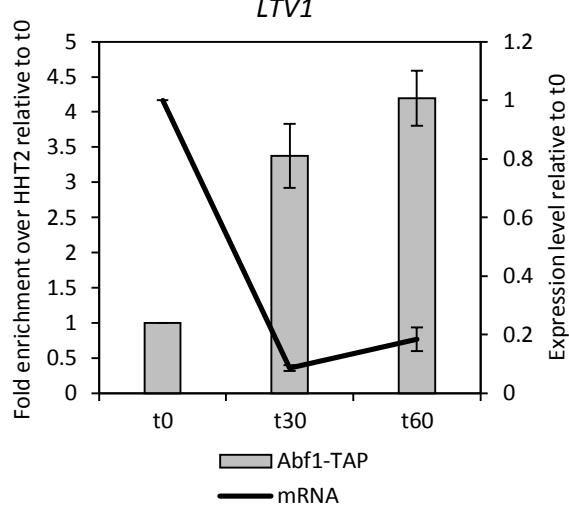
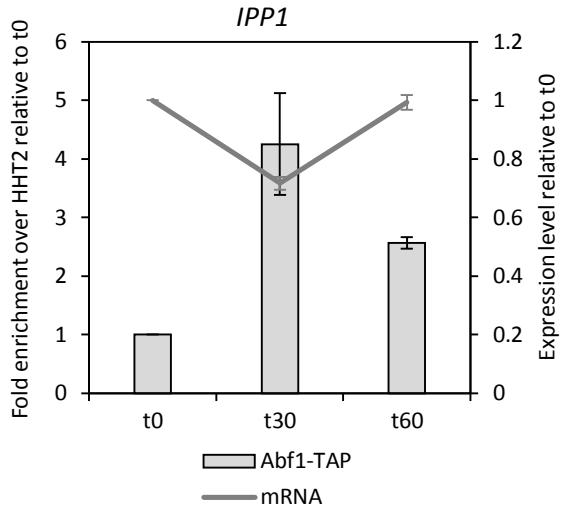
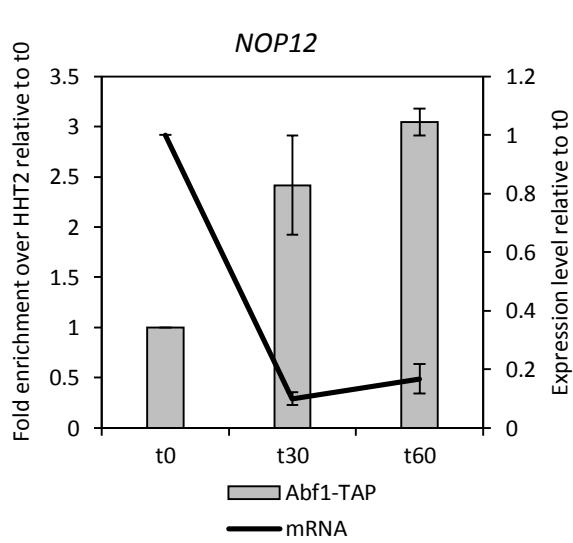
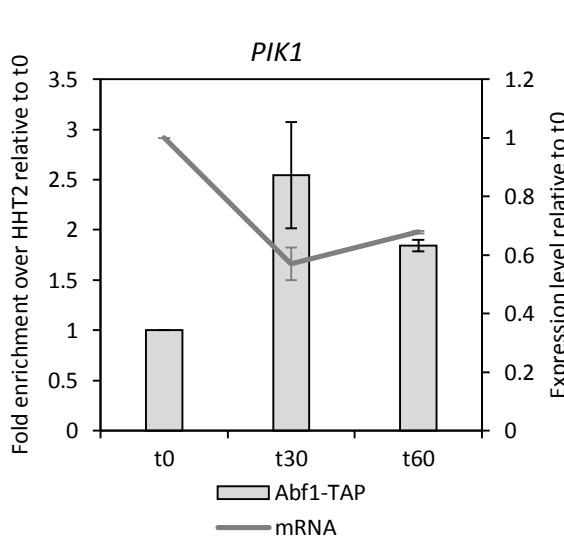
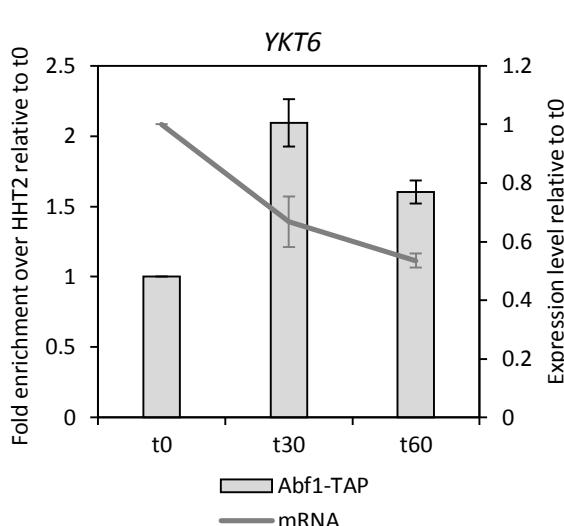


D



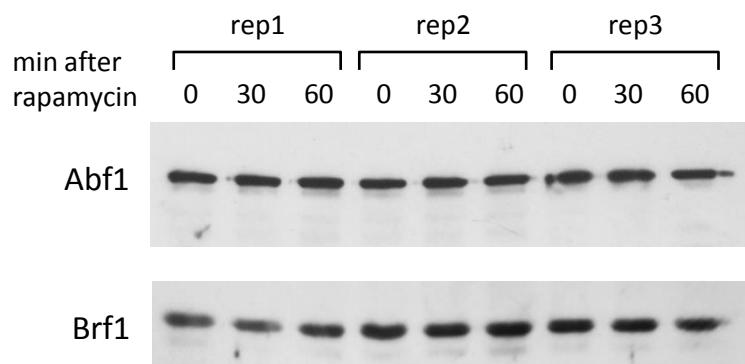
Supplementary Figure S3.

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.

A**C****B****D****E**

Supplementary Figure S4.

Abf1 association with Ribi 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 Ribi 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.

Figure S5

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	GGGTATCACTGAAGTAAATGTATCCCTGAGGAAAAACTTCGGATCCCC GGGTTAATTAA	<i>FHL1</i> tagging
Fhl1_R2	AAGATTTATGCTTCACTTCGAATATGCTAATACTATTATGAATTGAG CTCGTTAACAC	<i>FHL1</i> tagging
RPL4B::URA3_fw1	GGTATTCATCTACAGGAATTGGAGAGCCTCGTTTATTAGG	Gene disruption
RPL4B::URA3_rev1	CAGCCTTTAGAAACAGCGTAAGCGATCCAATACAACAGAT	Gene disruption
RPL4B::URA3_fw2	TAAGTCCTGCCTTATTATCGAACGGTATTACATCTACAGGAATTGG	Gene disruption
RPL4B::URA3_rev2	CAGGATTCAAGCGGAGGTTGGTACCAGCCTTTCAGAAACAGCG	Gene disruption
RPP1A::URA3_fw1	GAAGCCTTAACCCGTAGCCTCATCAGAGCTGTTTATTAGG	Gene disruption
RPP1A::URA3_rev1	AAGCCTTAGCAAAAATACAGCCCAGATCCAATACAACAGAT	Gene disruption
RPP1A::URA3_fw2	ATCTTGCTAATACCTCATTAAAAGAACGCTTAACCTGTAGCC	Gene disruption
RPP1A::URA3_rev2	AAGTCCTCAAGTTGGCCGTCAAAGCCTAGCAAAAATATCA	Gene disruption
RPS22B::URA3_fw1	CGCAGTAATCCTAGAACCCTAACCTTCAGAGCTGTTTATTAGG	Gene disruption
RPS22B::URA3_rev1	CCGAACCTAAGAACATTACATTCAATATGATCCAATACAACAGAT	Gene disruption
RPS22B::URA3_fw2	TCATTATTCTTATGCATTACGTTCGCAGTAACCTAG	Gene disruption
RPS22B::URA3_rev2	CTCTTGTAACAATATCCAAGTCAACCGAACCTAACAGAAC	Gene disruption
RPS28B::URA3_fw1	GCTAGTACTCTGGCAATCGACACTTAGAGCTGTTTATTAGG	Gene disruption
RPS28B::URA3_rev1	CTTCACGTTAGATTCCATCAAGACGATCCAATACAACAGAT	Gene disruption
RPS28B::URA3_fw2	TCGAATCTTTCTCGCAGAGCTAGTACTCTGGCAATCG	Gene disruption
RPS28B::URA3_rev2	ATATACCTTAACGCAAACGACGAGCTCACGTTAGATTCCATC	Gene disruption
RPL4B fw	GCATAGTTCATCGACAGCTTGG	Gene replacement/ pGEM cloning
RPL4B rev	GCAGTAGCAGCAATAGCAGAACG	Gene replacement/ pGEM cloning
RPL4B Abf1mut fw	TCCGTTAGAAATCGACTTATTCTAAAGCATCGC	Gene replacement
RPL4B Abf1mut rev	GCGATGCTTAGGAAATAAGTCGATTCTAACCGGA	Gene replacement
RPL4B Fhl1mut fw	AAAGCATCGCGAGCCTCGATTTTTAACATT	Gene replacement
RPL4B Fhl1mut rev	AATGTTAAAAAAATCGAGGCTGCGCGATGCTT	Gene replacement
RPP1A fw	CGAATGCGACGTTCCGCC	Gene replacement/ pGEM cloning
RPP1A rev	GTCGTCATCGGATTCTCTTCTAGC	Gene replacement/ pGEM cloning
RPP1A Abf1mut fw	GTCTGCTACATCGCCTGAGGTCTAATATCGTAAG	Gene replacement
RPP1A Abf1mut rev	CTTACGATATTAGGACCTCAGCGATGTAGCAGAC	Gene replacement
RPP1A Fhl1mut fw	ATCGTAAGATGATACTCTCGACTTGTAAATGATT	Gene replacement
RPP1A Fhl1mut rev	AATCATTACAAAGTCGAGAGGTATCATCTACGAT	Gene replacement
RPS22B fw	CAAGTATGATCCGTTATTCTCTCG	Gene replacement/ pGEM cloning
RPS22B rev	TATTATCGGTTACAGTGGCTTGGAAAA	Gene replacement/ pGEM cloning
RPS22B Abf1mut fw	CTAAAATTACACTAAAAATATCGGACGCAACT	Gene replacement
RPS22B Abf1mut rev	AGTTGCGTCCGATAATTAGTGTAAATTAG	Gene replacement
RPS22B Fhl1mut fw	TCAAAAATGACGGCCCTGACTTTCTCAGAAATT	Gene replacement
RPS22B Fhl1mut rev	AATTCTGAGAAAAGTCGAGGCCGTATTGAA	Gene replacement
RPS22B Tbf1mut fw	GTAATCCTAGAACAGATCTTTCTAAATTAC	Gene replacement
RPS22B Tbf1mut rev	GTAATTAGAAAAAGATCTGTTCTAGGATTAC	Gene replacement

RPS22B Abf1mut Fhl1mut fw	TTCTAAAATTACACTAAAAAATCGGCCTCGACT	Gene replacement
RPS22B Abf1mut Fhl1mut rev	AGTCGAGGCCGATATTTTAGTGTAAAGTAGAA	Gene replacement
RPS28B fw	CAGAATGATAACCAATGAGATGC	Gene replacement/ pGEM cloning
RPS28B rev	TGTTTAGATGAGCTTACCAACG	Gene replacement/ pGEM cloning
RPS28B Abf1mut fw	CGACACTTATTTAGGACAAAGGCACACGCAACTT	Gene replacement
RPS28B Abf1mut rev	AAGTTGCGTGTGCCTTGTCTAAATAAGTGTG	Gene replacement
RPS28B Fhl1mut fw	TTTCGTACAAAATGATCTCTCGACTTTGACAATT	Gene replacement
RPS28B Fhl1mut rev	AATTGTCAAAAGTCGAGAGATCATTGTACGAAA	Gene replacement
RPS28B Abf1mut Fhl1mut fw	TTTAGGACAAAGGCACTCTGACTTTGACAATT	Gene replacement
RPS28B Abf1mut Fhl1mut rev	AATTGTCAAAAGTCGAGAGTGCCTTGTCCCTAAA	Gene replacement
RPL3_fw_ChIP	GGCCGGACAGTAATATAGTAATCG	ChIP-qPCR
RPL3_rev_ChIP	TTTCATGGACGATGATCACTG	ChIP-qPCR
RPL4B_fw_ChIP	GAAGGCATGAATTGTCTATTCCG	ChIP-qPCR
RPL4B_rev_ChIP	CATGAAAACCTTCCAGAGTACTTGA	ChIP-qPCR
RPP1A_fw_ChIP	CCCTGTAGCCTCATCTATGTCTG	ChIP-qPCR
RPP1A_rev_ChIP	TTCAAATACCATGTAAAGGCATTC	ChIP-qPCR
RPS22B_fw_ChIP	GTTTCGCAGTAATCCTAGAACCC	ChIP-qPCR
RPS22B_rev_ChIP	TCCAGCGTAGAAAACTTTAAGAG	ChIP-qPCR
RPS28A_fw_ChIP	TCCCATACTTTACCCCTGCAG	ChIP-qPCR
RPS28A_rev_ChIP	TCCAAGTAGTTCAACGACCAAGA	ChIP-qPCR
RPS28B_fw_ChIP	GCTAGTACTCTGGCAATCGACAC	ChIP-qPCR
RPS28B_rev_ChIP	GGAGCAAAAAGATCCAAGTTTC	ChIP-qPCR
FLR1_ChIP_fw	GGAGCAATAACAGTGCAGAAA	ChIP-qPCR
FLR1_ChIP_rev	TTATCCGCCATTAGTCAG	ChIP-qPCR
LTV1_ChIP_fw	GCTTCTTGCCTATTTCTGC	ChIP-qPCR
LTV1_ChIP_rev	TCAGTCGCGTTACGGATTAG	ChIP-qPCR
RPL28_ChIP_fw	ATTTTCCTATTTCCCTGGCG	ChIP-qPCR
RPL28_ChIP_rev	GATGAAAGGTTGAACCTATCTGGG	ChIP-qPCR
NOP12_ChIP_fw	CACGTACTGTCCTCCTGATTAG	ChIP-qPCR
NOP12_ChIP_rev	CTGAAACATCAGGTTGCTTG	ChIP-qPCR
IPP1_ChIP_fw	CGCAGACGCTAAGGTTGTTG	ChIP-qPCR
IPP1_ChIP_rev	AACTAACCTCCTAACTTCGACGC	ChIP-qPCR
PIK1_ChIP_fw	CGTACTTGATAGCGTGTATAACAGGG	ChIP-qPCR
PIK1_ChIP_rev	GGTAGGGTTCTTGTTCAGTGC	ChIP-qPCR
YKT6_ChIP_fw	GTGTTCCACAATTCAGCATTATATG	ChIP-qPCR
YKT6_ChIP_rev	GTGCTTGCCTTGATTCACACC	ChIP-qPCR
HHT2_RT_fw	TCAATCTCTGCTATCGGTGCTT	ChIP-qPCR/ expression analysis
HHT2_RT_rev	GCGTGAATAGCAGCCAGATTAGT	ChIP-qPCR/ expression analysis
TAF10_exp_fw	ACCTTTCCATCGGTGCG	expression analysis
TAF10_exp_rev	CCATCATCCACTACAGCCTCTC	expression analysis
ALG9_exp_fw	AATCAAGGTGGTGTGAAGGCAC	expression analysis
ALG9_exp_rev	GATTATCTGGCAGCAGGAAAGAAC	expression analysis

RPL4B_exp_fw	CCTTGAAGCATGACTAGAATTATAGT	expression analysis
RPL4B_exp_rev	GAAAACAAAAAGGTTGATTAAAGAC	expression analysis
RPP1A_exp_fw	GTCCAATACAACAGCTTAAACCG	expression analysis
RPP1A_exp_rev	CAAGGC GGCGTAAGACAAAG	expression analysis
RPS22B_exp_fw	GACTCGCTCTCCGTTTAGC	expression analysis
RPS22B_exp_rev	GGTCTCAATAGAACCTGACGTTAC	expression analysis
SNR44_fw	CCGGGCTGATAACTAGATGG	expression analysis
SNR44_rev	TCCATAACC GTGTAAGAAGCA	expression analysis
RPS28B_exp_fw	TGGTCTTGATGGAATCTGAACG	expression analysis
RPS28B_exp_rev	CAATGCTCGAAGAGCACCAATAG	expression analysis
LTV1_exp_fw	GTT CCTGTCTCCAATCCAATAAAA	expression analysis
LTV1_exp_rev	AGCC CCTCCTACCCTTGGTTT	expression analysis
NOP12_exp_fw	CACGTACTGTCCTTCCTGATTG	expression analysis
NOP12_exp_rev	CTGAAACATCAGGTTGCTTGCT	expression analysis
IPP1_exp_fw	CCTTCCACGACATTCCCTTG	expression analysis
IPP1_exp_rev	CCTTGGTGATTCTAACTTGGCG	expression analysis
PIK1_exp_fw	CTTCATGGAATGGCAGGTGAG	expression analysis
PIK1_exp_rev	CGTATCCTCTTTCTTGGTAGCC	expression analysis
YKT6_exp_fw	GGCAGATGTGACTGAGACCAATG	expression analysis
YKT6_exp_rev	TGATAGCGTCAGCCTGTGAAG	expression analysis
Fhl1FHD_NheI_fw	GCTAGCAAGCCACCGAAAATACCA	FHD sequence cloning
Fhl1FHD_HindIII_rev	AAGCTTTATTTTGCCCCCTCTGCGG	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	GAAC TGC ACT GAA AGG CAT GA
			RPL4B_promoter_rev	GCG ATT GCT GAT AGG AAG A A A A
RPL4B Fmut	188 bp	pGEM::RPL4B_Fmut	RPL4B_promoter_fw	GAAC TGC ACT GAA AGG CAT GA
			RPL4B_promoter_rev	GCG ATT GCT GAT AGG AAG A A A A
RPP1A wt	172 bp	pGEM::RPP1A_wt	RPP1A_promoter_fw	GCCTT AAC CCT GTAG CCT CA
			RPP1A_promoter_rev	TCAGAACAGAACAGAGATCGAAA
RPP1A Fmut	172 bp	pGEM::RPP1A_Fmut	RPP1A_promoter_fw	GCCTT AAC CCT GTAG CCT CA
			RPP1A_promoter_rev	TCAGAACAGAACAGAGATCGAAA
RPS22B wt	151 bp	pGEM::RPS22B_wt	RPS22B_promoter_fw	CATT ATT CTT ATGC ATT AC GTT CG
			RPS22B_promoter_rev	GAAGAGAACAA TT ATCCAGCGTAG
RPS22B Fmut	151 bp	pGEM::RPS22B_Fmut	RPS22B_promoter_fw	CATT ATT CTT ATGC ATT AC GTT CG
			RPS22B_promoter_rev	GAAGAGAACAA TT ATCCAGCGTAG
RPS28B wt	161 bp	pGEM::RPS28B_wt	RPS28B_promoter_fw	GGCAAGCTT ATT CAT GTT CG
			RPS28B_promoter_rev	CCAAAAGTGCTATGGAGCAA
RPS28B Fmut	161 bp	pGEM::RPS28B_Fmut	RPS28B_promoter_fw	GGCAAGCTT ATT CAT GTT CG
			RPS28B_promoter_rev	CCAAAAGTGCTATGGAGCAA
RPL28	165 bp	pGEM::RPL28	RPL28_EMMA_fw	CCAGGGACCCACACATTAC
			RPL28_ChIP_rev	GATGAAAGGTTGAACCTATCTGGG
FLR1	157 bp	pGEM::FLR1	FLR1_EMMA_fw	ATGAAAGAACAAATGCAAAG
			FLR1_EMMA_rev	CTGTTCCCCTTTACCTGAC