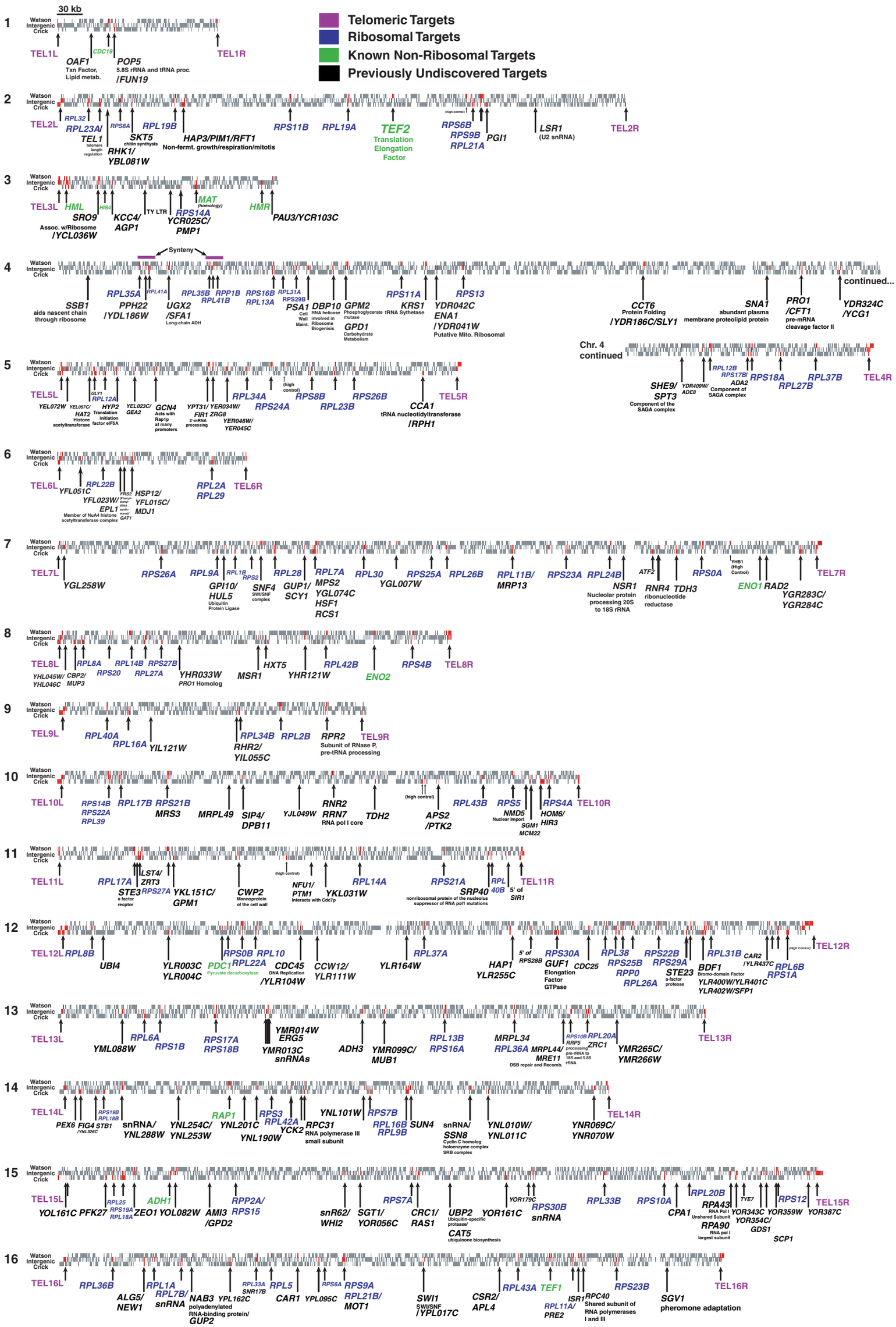
30 kb
Watson
Intergenic
Crick
Telomeric Targets
Ribosomal Targets
Known Non-Ribosomal Targets
Previously Undiscovered Targets
1
TEL1L
CDC19
OAF1
Txn Factor, Lipid metab.
POP5
5.8S rRNA and tRNA proc.
/FUN19
TEL1R
2
TEL2L
RPL32
RPL23A/
TEL1
telomere length regulation
RPS8A
RHK1/
YBL081W
SKT5
chitin synthysis
RPL19B
HAP3/PIM1/RFT1
Non-fermt. growth/respiration/mitotis
RPS11B
RPL19A
TEF2
Translation Elongation Factor
(high control)
RPS6B
RPS9B
RPL21A
PGI1
LSR1
(U2 snRNA)
TEL2R
3
TEL3L
HML
SRO9
Assoc. w/Ribosome
/YCL036W
HIS4
KCC4/
AGP1
TY LTR
RPS14A
YCR025C/
PMP1
MAT
(homology)
HMR
PAU3/YCR103C
4
Synteny
SSB1
aids nascent chain through ribosome
RPL35A
PPH22
/YDL186W
RPL41A
UGX2
/SFA1
Long-chain ADH
RPL35B
RPP1B
RPL41B
RPS16B
RPL13A
RPL37A
RPS29B
PSA1
Cell Wall Maint.
DBP10
RNA helicase involved in Ribosome Biogenisis
GPM2
Phosphoglycerate mutase
GPD1
Carbohydrate Metabolism
RPS11A
KRS1
tRNA Sythetase
YDR042C
ENA1
/YDR041W
Putative Mito. Ribosomal
RPS13
CCT6
Protein Folding
/YDR186C/SLY1
SNA1
abundant plasma membrane proteolipid protein
PRO1
/CFT1
pre-mRNA cleavage factor II
continued...
YDR324C
/YCG1
Chr. 4 continued
SHE9/
SPT3
Component of the SAGA complex
YDR409W/
ADE8
RPL12B
RPS17B/
ADA2
Component of SAGA complex
RPS18A
RPL27B
RPL37B
TEL4R
5
TEL5L
YEL072W
YEL057C/
HAT2
Histone acetyltransferase
GLY1
RPL12A
HYP2
Translation initiation factor eIF5A
YEL023C/
GEA2
GCN4
Acts with Rap1p at many promoters
YPT31/
FIR1
3'-mRNA processing
YER034W/
ZRG8
YER046W/
YER045C
RPL34A
RPS24A
(high control)
RPS8B
RPL23B
RPS26B
CCA1
tRNA nucleotidyltransferase
/RPH1
TEL5R
6
TEL6L
YFL051C
RPL22B
YFL023W/
EPL1
Member of NuA4 histone acetyltransferase complex
FRS2
(Phenylalanyl-tRNA synthetase)
GAT1
HSP12/
YFL015C/
MDJ1
RPL2A
RPL29
TEL6R
7
TEL7L
YGL258W
RPS26A
RPL9A
GPI10/
HUL5
Ubiquitin Protein Ligase
RPL1B
RPS2
SNF4
SWI/SNF complex
RPL28
GUP1/
SCY1
RPL7A
MPS2
YGL074C
HSF1
RCS1
RPL30
YGL007W
RPS25A
RPL26B
RPL11B/
MRP13
RPS23A
RPL24B
NSR1
Nucleolar protein processing 20S to 18S rRNA
ATF2
RNR4
ribonucleotide reductase
TDH3
RPS0A
YHB1
(High Control)
ENO1
RAD2
YGR283C/
YGR284C
TEL7R
8
TEL8L
YHL045W/
YHL046C
RPL8A
CBP2/
MUP3
RPS20
RPL14B
RPL27A
RPS27B
YHR033W
PRO1 Homolog
MSR1
HXT5
YHR121W
RPL42B
ENO2
RPS4B
TEL8R
9
TEL9L
RPL40A
RPL16A
YIL121W
RHR2/
YIL055C
RPL34B
RPL2B
RPR2
Subunit of RNase P, pre-tRNA processing
TEL9R
10
TEL10L
RPS14B
RPS22A
RPL39
RPL17B
RPS21B
MRS3
MRPL49
SIP4/
DPB11
YJL049W
RNR2
RRN7
RNA pol I core
TDH2
(high control)
APS2
/PTK2
RPL43B
RPS5
NMD5
Nuclear Import
SGM1
MCM22
RPS4A
HOM6/
HIR3
TEL10R
11
TEL11L
RPL17A
STE3
a factor recptor
LST4/
ZRT3
RPS27A
YKL151C/
GPM1
CWP2
Mannoprotein of the cell wall
(high control)
NFU1/
PTM1
Interacts with Cdc7p
YKL031W
RPL14A
RPS21A
SRP40
nonribosomal protein of the nucleolus suppressor of RNA pol1 mutations
RPL
40B
5' of
SIR1
TEL11R
12
TEL12L
RPL8B
UBI4
YLR003C
YLR004C
PDC1
Pyruvate decarboxylase
RPS0B
RPL22A
RPL10
CDC45
DNA Replication
/YLR104W
CCW12/
YLR111W
YLR164W
RPL37A
HAP1
YLR255C
5' of
RPS28B
RPS30A
GUF1
Elongation Factor GTPase
CDC25
RPL38
RPS25B
RPP0
RPL26A
RPS22B
RPS29A
STE23
a-factor protease
BDF1
Bromo-domain Factor
YLR400W/YLR401C
YLR402W/SFP1
RPL31B
CAR2
/YLR437C
(High Control)
RPL6B
RPS1A
TEL12R
13
TEL13L
YML088W
RPL6A
RPS1B
RPS17A
RPS18B
YMR014W
ERG5
YMR013C
snRNAs
ADH3
YMR099C/
MUB1
RPL13B
RPS16A
MRPL34
RPL36A
MRPL44/
MRE11
DSB repair and Recomb.
RPS10B
RRP5
processing pre-rRNA to 18S and 5.8S rRNA
RPL20A
ZRC1
YMR265C/
YMR266W
TEL13R
14
TEL14L
PEX6
FIG4
/YNL326C
STB1
RPS19B
RPL18B
snRNA/
YNL288W
YNL254C/
YNL253W
RAP1
YNL201C
YNL190W
RPS3
RPL42A
YCK2
RPC31
RNA polymerase III small subunit
YNL101W
RPS7B
RPL16B
RPL9B
SUN4
snRNA/
SSN8
Cyclin C homolog holoenzyme complex SRB complex
YNL010W/
YNL011C
YNR069C/
YNR070W
TEL14R
15
TEL15L
YOL161C
PFK27
RPL25
RPS19A
RPL18A
ZEO1
ADH1
YOL082W
AMI3
/GPD2
RPP2A/
RPS15
snR62/
WHI2
SGT1/
YOR056C
RPS7A
CRC1/
RAS1
UBP2
Ubiquitin-specific protease/
CAT5
ubiquinone biosynthesis
YOR179C
YOR161C
RPS30B
snRNA
RPL33B
RPS10A
CPA1
RPL20B
RPA43
RNA Pol I Unshared Subunit
RPA90
RNA pol I largest subunit
TYE7
YOR343C
YOR354C/
GDS1
YOR359W
RPS12
SCP1
YOR387C
TEL15R
16
TEL16L
RPL36B
ALG5/
NEW1
RPL1A
RPL7B/
snRNA
NAB3
polyadenylated RNA-binding protein/
GUP2
YPL162C
RPL33A
SNR17B
RPL5
CAR1
YPL095C
RPS6A
RPS9A
RPL21B/
MOT1
SWI1
SWI/SNF
/YPL017C
CSR2/
APL4
RPL43A
TEF1
RPL11A/
PRE2
ISR1
RPC40
Shared subunit of RNA polymerases I and III
RPS23B
SGV1
pheromone adaptation
TEL16R