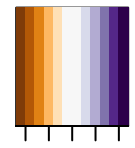
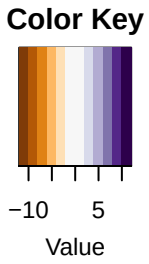
ncRNA 3'−end processing

Color Key



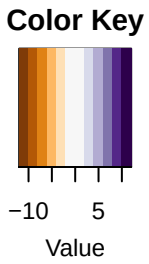
Gene	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
RRP46	0	−1	1	0	3	−1	4	2
RNT1	0	0	0	0	1	0	4	2
RRP6	0	−2	0	−1	2	1	2	2
CSL4	1	−1	1	1	0	0	2	3
CCA1	−1	−2	−2	0	2	1	4	5
DIS3	1	−2	2	−2	1	1	3	5
RRP42	0	0	2	−3	0	0	2	6
RNH70	0	0	1	0	1	1	−1	1
REX2	1	0	1	−1	0	0	0	1
RTF1	1	1	2	0	−1	0	0	−1
YSH1	0	1	0	1	0	0	1	0
REX3	0	0	0	0	−1	−1	−1	0
PAP2	0	1	−1	0	1	0	1	0
TRF5	0	0	−1	0	0	0	2	1
PAF1	[off-scale]	0	[off-scale]	0	[off-scale]	0	[off-scale]	0
RPS21B	0	−4	1	1	0	3	0	0
PAP1	1	1	1	0	0	−3	3	1
MTR4	1	1	2	0	−1	−3	0	1
TRZ1	1	1	2	1	0	−3	2	0
YLR132C	0	2	1	0	0	−3	1	−1
NRD1	2	1	2	0	0	−4	2	−1
RRP43	1	1	2	−1	−1	−4	1	0
CBF5	2	1	3	0	−2	−4	−1	−2
TSR1	1	1	1	0	−2	−4	−1	−2
YNR024W	0	0	2	−6	2	−1	3	8
SEN1	1	1	2	−6	0	−2	1	8
CTR9	−3	2	−12	4	6	−4	12	9
RPS0A	−3	−2	0	1	7	0	3	−2
LRP1	0	1	−2	1	1	−2	3	−2
RPS21A	−1	−1	−2	0	2	−1	4	−4
RPS0B	−5	1	−5	1	8	−3	7	−3
NOP1	−1	2	−3	5	2	−5	7	−9
MTR3	−7	2	−11	−2	8	−4	13	−15
REF2	−19	−1	−15	11	9	19	10	−5

rRNA 3'−end processing



Gene	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
DIS3	1	−2	2	−2	1	1	3	5
RRP42	0	0	2	−3	0	0	2	6
YNR024W	0	0	2	−6	2	−1	3	8
RRP46	0	−1	1	0	3	−1	4	2
RRP6	0	−2	0	−1	2	1	2	2
CSL4	1	−1	1	1	0	0	2	3
RPS21B	0	−4	1	1	0	3	0	0
RNH70	0	0	1	0	1	1	−1	1
REX2	1	0	1	−1	0	0	0	1
REX3	0	0	0	0	−1	−1	−1	0
MTR4	1	1	2	0	−1	−3	0	1
RRP43	1	1	2	−1	−1	−4	1	0
TSR1	1	1	1	0	−2	−4	−1	−2
RPS0A	−3	−2	0	1	7	0	3	−2
LRP1	0	1	−2	1	1	−2	3	−2
RPS21A	−1	−1	−2	0	2	−1	4	−4
RPS0B	−5	1	−5	1	8	−3	7	−3
MTR3	−7	2	−11	−2	8	−4	13	−15

snoRNA 3'−end processing



Gene	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
RRP46	0	−1	1	0	3	−1	4	2
RRP6	0	−2	0	−1	2	1	2	2
CSL4	1	−1	1	1	0	0	2	3
DIS3	1	−2	2	−2	1	1	3	5
RRP42	0	0	2	−3	0	0	2	6
SEN1	1	1	2	−6	0	−2	1	8
PAP2	0	1	−1	0	1	0	1	0
TRF5	0	0	−1	0	0	0	2	1
PAF1	[saturated]	0	[saturated]	0	[saturated]	0	[saturated]	0
YSH1	0	1	0	1	0	0	1	0
RTF1	1	1	2	0	−1	0	0	−1
LRP1	0	1	−2	1	1	−2	3	−2
PAP1	1	1	1	0	0	−3	3	1
NRD1	2	1	2	0	0	−4	2	−1
RRP43	1	1	2	−1	−1	−4	1	0
MTR4	1	1	2	0	−1	−3	0	1
CBF5	2	1	3	0	−2	−4	−1	−2
CTR9	−3	2	−12	4	6	−4	12	9
NOP1	−1	2	−3	5	2	−5	7	−9
MTR3	−7	2	−11	−2	8	−4	13	−15
REF2	−19	−1	−15	11	9	19	10	−5

snRNA 3'−end processing

Color Key

−10 5

Value

	Z_Shift_K_Gem	Z_lm_K_Gem	Z_Shift_K_Cyt	Z_lm_K_Cyt	Z_Shift_L_Gem	Z_lm_L_Gem	Z_Shift_L_Cyt	Z_lm_L_Cyt
RRP46	0	−1	1	0	3	−1	4	2
RNT1	0	0	0	0	1	0	4	2
RRP6	0	−2	0	−1	2	1	2	2
RRP42	0	0	2	−3	0	0	2	6
PAP2	0	1	−1	0	1	0	1	0
TRF5	0	0	−1	0	0	0	2	1
RNH70	0	0	1	0	1	1	−1	1
REX2	1	0	1	−1	0	0	0	1
REX3	0	0	0	0	−1	−1	−1	0
MTR4	1	1	2	0	−1	−3	0	1
NRD1	2	1	2	0	0	−4	2	−1
RRP43	1	1	2	−1	−1	−4	1	0
YLR132C	0	2	1	0	0	−3	1	−1
LRP1	0	1	−2	1	1	−2	3	−2
MTR3	−7	2	−11	−2	8	−4	13	−15

Gene

tRNA 3'−end processing

Color Key

−10 5

Value

	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
CCA1	−1	−2	−2	0	2	1	4	5
TRZ1	1	1	2	1	0	−3	2	0
NRD1	2	1	2	0	0	−4	2	−1
RNH70	0	0	1	0	1	1	−1	1

Gene

Color Key

−10 5

Value

c cleavage to generate mature 3'−end of SSU−rRNA from (SSU−rRNA, 5.8S rRNA, LSU−rRI

	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
RPS0B	−5	1	−5	1	8	−3	7	−3
RPS0A	−3	−2	0	1	7	0	3	−2
RPS21A	−1	−1	−2	0	2	−1	4	−4
RPS21B	0	−4	1	1	0	3	0	0
TSR1	1	1	1	0	−2	−4	−1	−2

Gene

Color Key

−10 5

Value

generate mature 3'−end of 5.8S rRNA from tricistronic rRNA transcript (SSU−rRNA, 5.8S rR

	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
DIS3	1	−2	2	−2	1	1	3	5
RRP42	0	0	2	−3	0	0	2	6
YNR024W	0	0	2	−6	2	−1	3	8
RRP46	0	−1	1	0	3	−1	4	2
RRP6	0	−2	0	−1	2	1	2	2
CSL4	1	−1	1	1	0	0	2	3
LRP1	0	1	−2	1	1	−2	3	−2
MTR4	1	1	2	0	−1	−3	0	1
RRP43	1	1	2	−1	−1	−4	1	0
RNH70	0	0	1	0	1	1	−1	1
REX2	1	0	1	−1	0	0	0	1
REX3	0	0	0	0	−1	−1	−1	0
MTR3	−7	2	−11	−2	8	−4	13	−15

Gene

snoRNA polyadenylation

Color Key

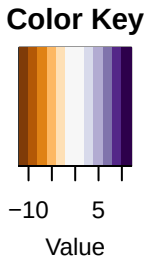
−10 5

Value

	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
PAP1	1	1	1	0	0	−3	3	1
PAP2	0	1	−1	0	1	0	1	0
TRF5	0	0	−1	0	0	0	2	1

Gene

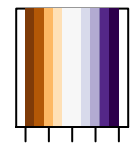
polyadenylation−dependent snoRNA 3'−end processing



Gene	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
RRP46	0	−1	1	0	3	−1	4	2
RRP6	0	−2	0	−1	2	1	2	2
CSL4	1	−1	1	1	0	0	2	3
DIS3	1	−2	2	−2	1	1	3	5
RRP42	0	0	2	−3	0	0	2	6
PAP2	0	1	−1	0	1	0	1	0
TRF5	0	0	−1	0	0	0	2	1
LRP1	0	1	−2	1	1	−2	3	−2
MTR4	1	1	2	0	−1	−3	0	1
RRP43	1	1	2	−1	−1	−4	1	0
MTR3	−7	2	−11	−2	8	−4	13	−15

U1 snRNA 3'−end processing

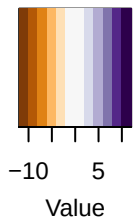
Color Key



	Z_Shift_K_Gem	Z_lm_K_Gem	Z_Shift_K_Cyt	Z_lm_K_Cyt	Z_Shift_L_Gem	Z_lm_L_Gem	Z_Shift_L_Cyt	Z_lm_L_Cyt
RNT1	0	0	0	0	1	0	4	2
RRP6	0	−2	0	−1	2	1	2	2
RRP42	0	0	2	−3	0	0	2	6
RRP43	1	1	2	−1	−1	−4	1	0

Gene

U4 snRNA 3'−end processing

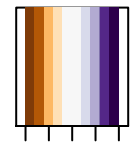


	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
RRP46	0	−1	1	0	3	−1	4	2
RNT1	0	0	0	0	1	0	4	2
RRP6	0	−2	0	−1	2	1	2	2
PAP2	0	1	−1	0	1	0	1	0
TRF5	0	0	−1	0	0	0	2	1
REX2	1	0	1	−1	0	0	0	1
RRP42	0	0	2	−3	0	0	2	6
MTR4	1	1	2	0	−1	−3	0	1
RRP43	1	1	2	−1	−1	−4	1	0
LRP1	0	1	−2	1	1	−2	3	−2
MTR3	−7	2	−11	−2	8	−4	13	−15

Gene

U5 snRNA 3'−end processing

Color Key



	Z_Shift_K_Gem	Z_Im_K_Gem	Z_Shift_K_Cyt	Z_Im_K_Cyt	Z_Shift_L_Gem	Z_Im_L_Gem	Z_Shift_L_Cyt	Z_Im_L_Cyt
RNT1	0	0	0	0	1	0	4	2
RRP6	0	−2	0	−1	2	1	2	2
RRP42	0	0	2	−3	0	0	2	6
MTR4	1	1	2	0	−1	−3	0	1
RRP43	1	1	2	−1	−1	−4	1	0
RNH70	0	0	1	0	1	1	−1	1
REX2	1	0	1	−1	0	0	0	1
REX3	0	0	0	0	−1	−1	−1	0
LRP1	0	1	−2	1	1	−2	3	−2

Gene