

Table 2S. Major classes of transcripts up-regulated by inactivation of NMD.

RNA Type	ORF Name	Gene Name	Probe Set	<i>upf1Δ</i>	<i>nmd2Δ</i>	<i>upf3Δ</i>	<i>dcp1Δ</i>	<i>xrn1Δ</i>	
Pre-mRNA	<i>YDL115C</i>		6616_at	7.2	10.0	11.1	4.7	3.5	
	<i>YDR005C</i>	<i>MAF1</i>	6466_at	2.6	2.6	2.4	2.4	2.4	
	<i>YDR318W</i>	<i>MCM21</i>	6149_at	3.3	2.7	2.7	2.1	2.6	
	<i>YGL251C</i>	<i>HFM1</i>	5262_at	5.7	4.5	5.6	4.3	5.0	
	<i>YHL050C</i>		3187_s_at	2.9	5.2	3.2	1.1	1.3	
	<i>YHR218W</i>		4324_s_at	2.4	6.2	4.0	1.1	2.2	
	<i>YJL024C</i>	<i>APS3</i>	11043_at	2.7	1.9	3.1	4.1	3.4	
	<i>YJR021C</i>	<i>REC107</i>	10998_at	10.1	10.1	13.2	19.8	12.4	
	<i>YJR021C</i>	<i>REC107</i>	10999_at	2.6	3.2	3.6	1.8	1.3	
	<i>YKR004C</i>	<i>ECM9</i>	10567_at	3.0	4.3	4.5	1.8	2.9	
	<i>YLL057C</i>		10373_at	7.8	8.0	8.8	11.3	10.5	
	<i>YLL067C</i>		3789_s_at	6.1	19.0	12.5	4.5	7.4	
	<i>YLL067C</i>		3790_s_at	3.2	4.4	4.0	2.0	2.5	
	<i>YLL067C</i>		3791_s_at	3.2	5.0	3.0	3.5	3.2	
	<i>YLL067C</i>		3834_s_at	6.8	12.2	7.6	1.2	2.4	
	<i>YLR306W</i>	<i>UBC12</i>	10021_at	3.5	3.4	4.0	7.3	6.6	
	<i>YML133C</i>		9800_s_at	3.3	5.3	3.6	3.1	2.6	
	<i>YOR318C</i>		8208_at	3.7	2.8	3.0	3.9	4.8	
	uORF-containing	<i>YAL064W</i>		11384_at	6.1	2.7	3.6	7.4	6.0
		<i>YBR197C</i>		7153_at	3.0	3.4	3.0	2.1	3.9
<i>YBR217W</i>		<i>APG12</i>	7127_at	5.1	7.0	7.6	6.4	5.6	
<i>YBR291C</i>		<i>CTP1</i>	7064_at	2.1	2.0	2.2	3.6	2.6	
<i>YBR295W</i>		<i>PCA1</i>	7068_at	3.9	4.9	4.7	3.6	8.4	
<i>YCL016C</i>			6911_at	2.3	2.2	2.2	1.9	2.7	
<i>YCL039W</i>			6893_at	3.9	3.0	3.5	3.6	6.4	
<i>YCL056C</i>			6921_at	2.8	2.5	2.8	2.6	2.4	
<i>YDR004W</i>		<i>RAD57</i>	6465_at	3.2	2.7	2.7	2.0	3.1	
<i>YDR008C</i>			6469_at	2.7	2.3	2.8	1.5	1.5	
<i>YDR078C</i>			6402_at	7.2	8.8	10.1	6.3	4.5	
<i>YDR109C</i>			6389_at	1.9	2.7	2.5	2.1	2.3	
<i>YDR126W</i>			6361_at	3.7	4.2	3.9	8.7	9.2	
<i>YDR318W</i>		<i>MCM21</i>	6149_at	3.3	2.7	2.7	2.1	2.6	
<i>YDR364C</i>		<i>CDC40</i>	6106_at	3.8	4.5	4.8	3.2	4.2	
<i>YDR459C</i>			6018_at	2.0	2.6	2.5	3.0	3.8	

YDR479C		5993_at	2.2	2.5	2.3	4.0	2.1
YEL006W		5740_at	2.7	2.7	2.8	2.6	2.6
YER024W		5679_at	5.6	6.2	6.3	4.6	5.5
YER041W		5696_at	4.5	3.7	3.9	3.4	3.0
YER187W-A	KHS1	5536_at	5.6	4.7	6.1	1.0	1.7
YER188W		5537_at	6.5	7.1	7.7	1.4	1.5
YFL027C		5403_at	2.9	2.4	3.0	2.6	2.5
YGL154C	LYS5	5181_at	2.2	2.7	2.5	2.5	4.5
YGL243W	TAD1	5270_at	2.9	3.5	3.7	4.0	3.5
YGL251C	HFM1	5262_at	5.7	4.5	5.6	4.3	5.0
YGL254W	FZF1	5259_at	2.2	2.3	1.9	1.6	2.8
YGR039W		4965_at	2.3	2.9	2.8	4.4	2.7
YGR057C	LST7	4938_at	5.2	6.0	6.5	4.2	4.5
YGR070W	ROM1	4951_at	2.5	2.7	2.0	10.1	3.4
YGR168C		4823_at	6.6	6.6	6.1	8.4	7.4
YGR216C	GPI1	4782_at	2.4	2.7	3.2	2.5	4.6
YGR288W	MAL13	4718_at	2.1	2.0	2.2	2.0	2.4
YHL050C		3187_s_at	2.9	5.2	3.2	1.1	1.3
YHR015W	MIP6	4534_at	3.5	4.1	4.0	1.3	3.7
YHR150W		4400_at	6.2	5.3	9.3	3.9	4.6
YIL009C-A	EST3	4116_at	3.1	3.1	3.2	2.1	2.0
YIL009C-A	EST3	4117_at	3.9	3.6	3.7	2.6	2.3
YIL059C		4158_at	3.8	3.7	3.8	6.5	7.9
YIL089W		4177_at	3.4	4.0	5.2	1.7	1.7
YIL120W	QDR1	4236_at	4.1	3.6	4.7	8.2	6.9
YIL167W		4284_at	6.7	5.4	5.2	4.1	3.3
YIR029W	DAL2	4065_at	9.2	7.4	7.8	6.4	6.0
YIR043C		4032_f_at	3.6	4.4	3.9	3.1	2.9
YIR043C		4078_i_at	12.5	17.6	16.4	4.0	6.8
YJL023C	PET130	11044_at	7.3	4.5	5.1	7.7	9.6
YJL126W	NIT2	11169_at	2.9	2.5	2.7	3.1	3.0
YJR003C		11025_at	2.1	2.2	2.9	1.7	3.6
YJR107W		10900_at	2.0	2.3	2.4	2.0	1.2
YKL017C	HCS1	10590_at	3.3	2.2	2.6	6.6	3.8
YKL220C	FRE2	10792_at	12.1	12.6	12.6	10.0	7.5
YKL222C		10790_at	5.9	6.8	5.6	7.3	6.0
YKR004C	ECM9	10567_at	3.0	4.3	4.5	1.8	2.9
YLL042C	APG10	10389_at	2.6	2.5	2.6	1.7	1.3
YLL051C	FRE6	10379_at	2.8	3.2	3.2	4.7	4.7

	<i>YLL063C</i>	<i>AYT1</i>	10413_at	12.2	9.0	10.2	11.7	16.1
	<i>YLR152C</i>		10182_at	2.6	3.1	3.0	5.2	3.0
	<i>YLR164W</i>		10189_at	5.1	6.1	6.1	5.3	5.8
	<i>YLR165C</i>		10190_at	7.1	7.0	7.0	8.5	6.5
	<i>YLR233C</i>	<i>EST1</i>	10080_at	14.0	10.5	14.0	9.9	8.8
	<i>YLR242C</i>	<i>ARV1</i>	10090_at	2.4	3.1	2.7	3.8	3.8
	<i>YLR457C</i>	<i>NBP1</i>	9861_at	2.7	2.7	2.8	2.3	2.6
	<i>YML023C</i>		9687_at	3.9	3.9	4.4	3.5	5.1
	<i>YML098W</i>	<i>TAF19</i>	9746_at	2.2	2.6	2.9	3.1	2.7
	<i>YMR040W</i>		9618_at	3.0	3.6	2.9	5.0	2.8
	<i>YMR065W</i>	<i>KAR5</i>	9595_at	8.9	8.1	8.6	6.7	7.2
	<i>YMR135C</i>		9488_at	2.7	3.3	3.3	3.3	5.2
	<i>YMR180C</i>	<i>CTL1</i>	9450_at	4.6	4.8	4.6	10.1	6.5
	<i>YNL003C</i>	<i>PET8</i>	8846_at	2.5	2.8	2.8	2.2	1.6
	<i>YNL249C</i>	<i>MPA43</i>	9100_at	4.9	5.3	5.4	3.3	2.1
	<i>YNL294C</i>		9145_at	2.8	3.6	3.6	4.4	3.7
	<i>YNL335W</i>		9196_s_at	5.9	5.7	6.4	17.0	5.5
	<i>YOL055C</i>	<i>THI20</i>	8596_at	8.0	7.8	7.9	8.6	7.0
	<i>YOL106W</i>		8682_at	3.4	3.3	4.0	4.8	3.1
	<i>YOR202W</i>	<i>HIS3</i>	8359_at	22.9	24.1	25.5	20.3	14.7
	<i>YOR304C-A</i>		8239_at	2.6	2.9	2.8	2.5	1.7
	<i>YOR318C</i>		8208_at	3.7	2.8	3.0	3.9	4.8
	<i>YOR319W</i>	<i>HSH49</i>	8209_at	3.8	3.8	5.2	2.3	3.0
	<i>YOR363C</i>	<i>PIP2</i>	8162_at	3.0	2.9	2.8	4.0	2.5
	<i>YOR381W</i>	<i>FRE3</i>	8180_at	14.4	11.9	15.1	8.9	13.0
	<i>YPL003W</i>	<i>ULA1</i>	7750_at	2.3	2.6	2.2	2.8	1.4
	<i>YPL071C</i>		7818_at	6.3	4.0	4.5	7.4	5.6
	<i>YPL147W</i>	<i>PXA1</i>	7923_at	3.2	3.4	3.2	2.2	2.8
	<i>YPL148C</i>	<i>PPT2</i>	7922_at	5.4	5.8	6.3	9.2	6.5
	<i>YPL149W</i>	<i>APG5</i>	7921_at	3.0	3.3	3.4	2.7	3.8
	<i>YPL164C</i>	<i>MLH3</i>	7906_at	6.0	5.0	5.9	4.4	6.1
	<i>YPR066W</i>	<i>UBA3</i>	7686_at	2.4	2.4	3.1	2.1	1.6
	<i>YPR068C</i>	<i>HOS1</i>	7688_at	3.2	2.6	2.5	1.5	2.6
Pseudogenes	<i>YAR020C</i>	<i>PAU7</i>	11287_f_at	3.7	4.2	4.9	4.7	3.5
	<i>YCR099C</i>		6794_at	3.7	3.7	3.5	8.1	5.3
	<i>YCR100C</i>		6795_at	4.8	6.1	4.2	6.5	5.5
	<i>YDR007W</i>	<i>TRP1</i>	6468_at	18.0	14.5	14.3	21.1	12.9
	<i>YDR082W</i>	<i>STN1</i>	6406_at	12.1	13.9	14.4	11.1	12.8
	<i>YER028C</i>		5683_at	5.8	6.4	7.7	3.2	3.7

	<i>YGL259W</i>	<i>YPS5</i>	<i>5253_g_at</i>	3.3	4.2	3.1	4.4	2.2
	<i>YHR218W</i>		<i>4324_s_at</i>	2.4	6.2	4.0	1.1	2.2
	<i>YIL028W</i>		<i>4143_at</i>	4.9	3.6	3.4	4.7	3.4
	<i>YIL164C</i>	<i>NIT1</i>	<i>4238_at</i>	16.3	20.7	21.5	16.2	14.9
	<i>YIL165C</i>		<i>4237_at</i>	9.6	9.0	8.9	11.4	10.4
	<i>YIL167W</i>		<i>4284_at</i>	6.7	5.4	5.2	4.1	3.3
	<i>YIR043C</i>		<i>4032_f_at</i>	3.6	4.4	3.9	3.1	2.9
	<i>YIR043C</i>		<i>4078_i_at</i>	12.5	17.6	16.4	4.0	6.8
	<i>YJL213W</i>		<i>11259_at</i>	9.7	8.9	12.5	6.9	22.9
	<i>YLR054C</i>		<i>10263_at</i>	2.4	2.6	3.2	3.7	3.4
	<i>YML042W</i>	<i>CAT2</i>	<i>9668_at</i>	4.4	5.2	4.7	6.2	4.0
	<i>YNR068C</i>		<i>8780_at</i>	17.8	16.2	17.3	8.4	5.8
	<i>YOL153C</i>		<i>8727_at</i>	3.9	4.2	3.0	4.8	1.2
	<i>YOL162W</i>		<i>8719_at</i>	24.5	21.3	20.3	14.5	12.9
	<i>YOL163W</i>		<i>8718_at</i>	11.7	8.9	9.5	5.6	3.7
	<i>YPL277C</i>		<i>8019_s_at</i>	3.4	2.8	2.6	4.7	3.7
Transposable elements	<i>YBLWDELTA8</i>		<i>3510_s_at</i>	2.9	3.1	2.8	2.9	2.2
	<i>YBLWTAU1</i>		<i>3506_s_at</i>	2.5	2.4	2.2	2.7	2.8
	<i>YDLWTAU1</i>		<i>3475_f_at</i>	7.0	5.1	5.1	15.2	9.5
	<i>YDRCSIGMA1</i>		<i>3445_f_at</i>	4.1	3.9	3.8	3.8	2.9
	<i>YDRCSIGMA2</i>		<i>3448_s_at</i>	2.9	2.8	2.7	3.0	2.7
	<i>YERCDELTA15</i>		<i>3344_f_at</i>	4.2	4.3	4.3	5.0	3.8
	<i>YERCDELTA15</i>		<i>3343_i_at</i>	4.4	5.0	5.5	6.5	3.2
	<i>YERCTAU2</i>		<i>3336_f_at</i>	6.1	4.5	4.5	7.5	5.6
	<i>YERCTAU3</i>		<i>3346_at</i>	6.8	8.1	7.5	10.3	11.8
	<i>YERWDELTA18</i>		<i>3310_s_at</i>	2.2	4.0	2.4	1.3	1.9
	<i>YERWDELTA9</i>		<i>3374_at</i>	5.0	2.9	2.8	4.2	3.2
	<i>YERWOMEGA2</i>		<i>3324_at</i>	4.2	5.4	5.5	0.7	0.8
	<i>YGLWDELTA4</i>		<i>3306_i_at</i>	5.5	7.3	7.5	6.0	4.1
	<i>YGLWDELTA4</i>		<i>3258_f_at</i>	4.4	4.7	4.5	5.2	3.7
	<i>YGLWDELTA6</i>		<i>3264_f_at</i>	4.6	4.6	4.3	3.4	5.3
	<i>YGLWTAU1</i>		<i>3301_f_at</i>	7.4	4.5	4.5	9.8	6.1
	<i>YGRCDDELTA20</i>		<i>3255_at</i>	3.7	3.3	4.1	1.7	1.8
	<i>YGRCTAU3</i>		<i>3232_f_at</i>	5.1	4.1	4.1	7.1	4.5
	<i>YGRWDELTA23</i>		<i>3214_at</i>	16.0	13.9	12.6	14.0	12.4
	<i>YHL009W-B</i>		<i>3555_s_at</i>	9.7	4.2	4.9	8.7	5.7
	<i>YHL009W-B</i>		<i>3556_s_at</i>	12.7	5.6	6.2	13.7	7.1
	<i>YHLWTAU1</i>		<i>3196_f_at</i>	5.9	4.2	4.2	6.7	5.0
	<i>YHRCDELTA4</i>		<i>3204_at</i>	3.3	4.0	4.0	5.4	3.5

YHRWTAU3	3162_at	3.2	2.7	3.4	5.6	4.2
YIL082W-A	3136_s_at	9.8	3.6	3.4	10.4	3.6
YILWTY3-1	3137_s_at	6.5	3.5	3.4	8.6	4.0
YJL113W	3895_s_at	9.9	5.1	4.7	9.2	6.1
YJLWDELTA16	3843_at	2.3	2.5	2.4	2.7	2.9
YJLWDELTA2	3904_f_at	4.5	5.0	5.1	4.0	2.8
YJLWTAU1	3887_f_at	5.5	4.2	4.1	7.8	5.2
YJLWTAU2	3901_f_at	5.4	3.9	3.8	7.0	4.5
YJLWTAU4	3876_at	8.7	9.4	8.9	18.2	9.5
YJLWTY4-1	3900_f_at	4.4	3.5	3.2	5.9	3.8
YJLWTY4-1	3899_s_at	8.5	4.0	4.4	8.7	4.3
YKRCDELTA11	3828_f_at	4.5	3.2	2.9	4.2	3.5
YLR410W-B	3719_s_at	2.3	4.3	2.6	1.3	0.6
YLRCDELTA27	3730_at	4.5	6.6	5.9	10.0	5.7
YMRCDDELTA18	3686_f_at	6.1	5.3	5.4	4.0	2.8
YMRCTAU3	3691_f_at	4.5	3.7	3.1	8.2	4.8
YMRWDELTA16	3683_f_at	5.2	5.3	4.0	3.8	4.5
YMRWDELTA21	3693_f_at	4.2	4.4	3.8	1.4	1.9
YMRWTAU2	3684_f_at	5.7	4.0	4.0	7.3	4.7
YNLWSIGMA2	3661_at	3.7	2.9	2.8	5.2	4.2
YNLWTAU1	3650_f_at	10.9	8.7	9.3	20.2	12.9
YNLWTAU2	3663_f_at	6.5	4.9	4.8	8.8	4.3
YNRCDDELTA9	3624_at	4.6	5.0	4.5	3.5	3.1
YNRCTAU3	3670_f_at	5.4	5.0	5.0	13.1	7.7
YOLWTAU1	3631_s_at	6.6	7.1	7.2	6.7	5.4
YORWTAU2	3617_f_at	5.3	4.1	4.0	7.9	5.8
YORWTAU3	3573_f_at	3.0	2.8	2.5	4.9	3.3
YPLCDELTA1	3584_f_at	3.8	4.6	6.1	10.7	3.7
YPLCDELTA1	3583_i_at	3.3	2.8	3.4	6.6	2.8
YPLCTAU1	3553_f_at	7.4	3.5	3.4	10.8	6.2
YPLCTAU2	3558_f_at	5.4	3.0	3.3	7.7	5.1
YPLCTY4-1	3554_f_at	5.6	3.2	3.5	8.3	5.4
YPRWTAU4	3541_at	10.9	10.3	10.9	8.9	12.0
