Table S1. Nucleot(s)ides, their symbols, and one-letter codes

Nucleotide derivatives	Name	Symbol	One letter code
Adenosines	adenosine	A	A
	unknown modified adenosine	?A	H
	1-methyladenosine	m1A	"
	2-methyladenosine	m2A	/
	N6-isopentenyladenosine	i6A	+
	2-methylthio-N6-isopentenyladenosine	ms2i6A	*
	N6-methyladenosine	m6A	=
	N6-threonylcarbamoyladenosine	t6A	6
	N6-methyl-N6-threonylcarbamoyladenosine	m6t6A	E
	2-methylthio-N6-threonylcarbamoyladenosine	ms2t6A	[
	2'-O-methyladenosine	Am	:
	2'-O-ribosyladenosine (phosphat)	Ar(p)	^
	N6-(cis-hydroxyisopentenyl)adenosine	io6A	`
Cytidines	cytidine	C	C
	unknown modified cytidine	?C	<
	2-thiocytidine	s2C	%
	2'-O-methylcytidine	Cm	B
	N4-acetylcytidine	ac4C	M
	5-methylcytidine	m5C	?
	3-methylcytidine	m3C	'
	Lysidine	k2C	}
	5-formylcytidin	f5C	>
	2-O-methyl-5-formylcytidin	f5Cm	°
Guanosines	Guanosine	G	G
	unknown modified guanosine	?G	;

	1-methylguanosine	m1G	K
	N2-methylguanosine	m2G	L
	2'-O-methylguanosine	Gm	#
	N2,N2-dimethylguanosine	m22G	R
	N2,N2,2'-O-trimethylguanosine	m22Gm	|
	7-methylguanosine	m7G	7
	Archaeosine	fa7d7G	(
	queuosine	Q	Q
	mannosyl-queuosine	manQ	8
	galactosyl-queuosine	galq	9
Uridines	Uridine	U	U
	unknown modified uridine	?U	N
	5-methylaminomethyluridine	mnm5U	{
	2-thiouridine	s2U	2
	2'-O-methyluridine	Um	J
	4-thiouridine	s4U	4
	5-carbamoylmethyluridine	ncm5U	&
	5-methoxycarbonylmethyluridine	mcm5U	1
	5-methylaminomethyl-2-thiouridine	mnm5s2U	S
	5-methoxycarbonylmethyl-2-thiouridine	mcm5s2U	3
	5-methoxyuridine	cmo5U	V
	5-carboxymethylaminomethyluridine	cmn5U	!
	5-carboxymethylaminomethyl-2-thiouridine	cmnm5s2U	$
	3-(3-amino-3-carboxypropyl)uridine	acp3U	X
	5-(carboxyhydroxymethyl)uridinemethyl ester	mchm5U	,
	5-carboxymethylaminomethyl-2'-O-methyluridine	cmnm5Um	)
	5-carbamoylmethyl-2'-O-methyluridine	ncm5Um	~
	dihydrouridine	D	D
	pseudouridine	psi	P

	1-methylpseudouridine	m1psi	]
	2'-O-methylpseudouridine	psi m	Z
	5-methyl-2-thiouridine	m5s2U	F
	2'-O-dimethyluridine	m5Um	\
Thymines	thymine	T	T
	ribosylthymine	m5U	T
Inosines	inosine	I	I
	1-methylinosine	m1I	O
Wybutosines	wybutosine	yW	Y
	peroxywybutosine	o2yW	W
Other	empty position		-
	insertion		_
	unknown nucleotide		.

Table S2. Parameters of the Simple Logistic model

Class	Predictor function f_i
Ala	-7.21 + [3=G] * 1.41 + [17=D] * 1.32 + [35=G] * 5.99 + [36=C] * 3.13 + [70=U] * 1.78 + [71=C] * 1.41
Arg	-7.59 + [21=A] * 1.64 + [35=C] * 6.66 + [36=G] * 7.2
Asn	-2.79 + [5=C] * 1.67 + [14=U] * 3.15 + [35=U] * 2.3 + [37=6] * 2.18 + [39=C] * 1.41 + [41=G] * 2.09 + [63=C] * -1.74 + [73=A] * -1.66
Asp	-5.07 +

	[34=8] *	3.13	+
	[34=G] *	3.47	+
	[34=Q] *	2.83	+
	[35=U] *	2.48	+
	[36=C] *	3.91	+
	[73=G] *	1.05	
Cys	-7.46		+
	[9=G] *	1.49	+
	[34=G] *	3.87	+
	[35=C] *	2.63	+
	[36=A] *	1.49	+
	[63=G] *	1.83	+
	[73=U] *	4.04	
Gln	-1.44		+
	[1=G] *	-1.41	+
	[35=U] *	2.53	+
	[36=G] *	2.69	+
	[41=C] *	1.57	+
	[44=A] *	-1.2	+
	[58=A] *	-1.62	+
	[70=A] *	1.62	+
	[71=C] *	1.74	
Glu	-5.83		+
	[12=C] *	2.41	+
	[16=A] *	1.79	+
	[24=A] *	1.6	+
	[35=U] *	2.44	+
	[36=C] *	4	+
	[39=C] *	1.74	+
	[50=A] *	2.17	
Gly	-8.11		+
	[35=C] *	7.22	+
	[36=C] *	7.98	
His	-5.43		+
	[-1=G] *	8.34	+
	[2=C] *	1.48	+
	[17=U] *	2.41	+
	[35=U] *	1.67	+
	[36=G] *	2.3	+
	[37=G] *	2.96	
Ile	-3.44		+
	[2=G] *	1.3	+
	[7=G] *	-2.05	+
	[35=A] *	1.92	+
	[36=U] *	2.61	+
	[37=6] *	1.3	+
	[40=G] *	1.89	+
	[41=G] *	2.01	+
	[70=G] *	-1.39	

Leu	-3.88	+		
	[35=A]	*	3.27	+
	[36=G]	*	7.78	+
	[48=-]	*	-3.25	+
	[55=G]	*	3.14	
Lys1b	-3.37	+		
	[4=C]	*	1.32	+
	[18=-]	*	-3.46	+
	[28=C]	*	1.38	+
	[35=U]	*	2.35	+
	[36=U]	*	1.59	+
	[43=G]	*	-1.4	+
	[71=C]	*	1.69	
Lys2b	-2.58	+		
	[7=G]	*	-1.6	+
	[29=U]	*	1.13	+
	[34=)]	*	2.2	+
	[34=G]	*	-1.43	+
	[35=U]	*	2.39	+
	[36=U]	*	3.41	+
	[67=G]	*	-1.51	
Met	-4.21	+		
	[7=G]	*	1.64	+
	[11=G]	*	2.19	+
	[31=P]	*	2.7	+
	[34=B]	*	1.59	+
	[34=C]	*	2.3	+
	[34=M]	*	2.85	+
	[35=A]	*	2.08	+
	[36=U]	*	2.52	
Phe	-6.4	+		
	[21=G]	*	2.89	+
	[23=A]	*	2.29	+
	[34=#]	*	1.37	+
	[34=G]	*	1.55	+
	[35=A]	*	1.97	+
	[36=A]	*	4.29	+
	[44=G]	*	1.27	
Pro	-7.72	+		
	[35=G]	*	7.61	+
	[36=G]	*	6.49	+
	[37=K]	*	1.39	
Ser	-5.25	+		
	[25=A]	*	2.2	+
	[35=G]	*	6.72	+
	[36=A]	*	3.5	+
	[48=-]	*	-1.97	+
	[73=G]	*	3.49	
Thr	-7.36	+		
	[2=C]	*	1.45	+
	[35=G]	*	7.57	+

	[36=U]	*	4.59	+	
	[73=U]	*	1.43		
Trp	-4.87	+			
	[22=G]	*	1.52	+	
	[34=B]	*	1.41	+	
	[35=C]	*	4.02	+	
	[36=A]	*	2.78	+	
	[70=C]	*	1.2	+	
	[72=U]	*	1.76	+	
	[73=U]	*	-1.48		
Tyr	-5.65	+			
	[21=C]	*	1.66	+	
	[34=G]	*	1.88	+	
	[35=U]	*	4.12	+	
	[36=A]	*	3.83	+	
	[45=-]	*	2.42	+	
	[63=C]	*	-1.66		
Val	-8.13	+			
	[35=A]	*	7.22	+	
	[36=C]	*	7.6		
Arg2	-6.9	+			
	[21=A]	*	2.81	+	
	[35=C]	*	4.64	+	
	[36=U]	*	3.81	+	
	[69=G]	*	1.44	+	
	[72=U]	*	2.16		
Leu2	-1.69	+			
	[12=A]	*	2.15	+	
	[13=C]	*	-1.35	+	
	[35=A]	*	3.81	+	
	[36=A]	*	3.4	+	
	[48=-]	*	-4.12		
Ser2	-1.89	+			
	[20=-]	*	1.69	+	
	[34=7]	*	3.3	+	
	[34=G]	*	1.57	+	
	[35=C]	*	3.9	+	
	[36=U]	*	2.85	+	
	[46=-]	*	-4.35		