

PAM 250 Matrix

	A	R	N	D	C	Q	E	G	H	I	L	K	M	F	P	S	T	W	Y	V	B	Z	X	*	
A	2	-2	0	0	-2	0	0	1	-1	-1	-2	-1	-1	-3	1	1	1	-6	-3	0	0	0	0	-8	
R	-2	6	0	-1	-4	1	-1	-3	2	-2	-3	3	0	-4	0	0	-1	2	-4	-2	-1	0	-1	-8	
N	0	0	2	2	-4	1	1	0	2	-2	-3	1	-2	-3	0	1	0	-4	-2	-2	2	1	0	-8	
D	0	-1	2	4	-5	2	3	1	1	-2	-4	0	-3	-6	-1	0	0	-7	-4	-2	3	3	-1	-8	
C	-2	-4	-4	-5	12	-5	-5	-3	-3	-2	-6	-5	-5	-4	-3	0	-2	-8	0	-2	-4	-5	-3	-8	
Q	0	1	1	2	-5	4	2	-1	3	-2	-2	1	-1	-5	0	-1	-1	-5	-4	-2	1	3	-1	-8	
E	0	-1	1	3	-5	2	4	0	1	-2	-3	-4	-2	-3	-5	-1	0	0	-7	-4	-2	3	3	-1	-8
G	1	-3	0	1	-3	-1	0	5	-2	-3	-4	-2	-3	-5	0	1	0	-7	-5	-1	0	0	-1	-8	
H	-1	2	2	1	-3	3	1	-2	6	-2	0	-2	-2	-2	0	-1	-1	-3	0	-2	1	2	-1	-8	
I	-1	-2	-2	-2	-2	-2	-2	-3	-2	5	2	-2	2	1	-2	-1	0	-5	-1	4	-2	-2	-1	-8	
L	-2	-3	-3	-4	-6	-2	-3	-4	-2	2	6	-3	4	2	-3	-3	-2	-2	-1	2	-3	-3	-1	-8	
K	-1	3	1	0	-5	1	0	-2	0	-2	-3	5	0	-5	-1	0	0	-3	-4	-2	1	0	-1	-8	
M	-1	0	-2	-3	-5	-1	-2	-3	-2	2	4	0	6	0	-2	-2	-1	-4	-2	2	-2	-2	-1	-8	
F	-3	-4	-3	-6	-4	-5	-5	-5	-2	1	2	-5	0	9	-5	-3	-3	0	7	-1	-4	-5	-2	-8	
P	1	0	0	-1	-3	0	-1	0	0	-2	-3	-1	-2	-5	6	1	0	-6	-5	-1	-1	0	-1	-8	
S	1	0	1	0	0	-1	0	1	-1	-1	-3	0	-2	-3	1	2	1	-2	-3	-1	0	0	0	-8	
T	1	-1	0	0	-2	-1	0	0	-1	0	-2	0	-1	-3	0	1	3	-5	-3	0	0	-1	0	-8	
W	-6	2	-4	-7	-8	-5	-7	-7	-3	-5	-2	-3	-4	0	-6	-2	-5	17	0	-6	-5	-6	-4	-8	
Y	-3	-4	-2	-4	0	-4	-4	-5	0	-1	-1	-4	-2	7	-5	-3	-3	0	10	-2	-3	-4	-2	-8	
V	0	-2	-2	-2	-2	-2	-2	-1	-2	4	2	-2	2	-1	-1	-1	0	-6	-2	4	-2	-2	-1	-8	
B	0	-1	2	3	-4	1	3	0	1	-2	-3	1	-2	-4	-1	0	0	-5	-3	-2	3	2	-1	-8	
Z	0	0	1	3	-5	3	3	0	2	-2	-3	0	-2	-5	0	0	-1	-6	-4	-2	2	3	-1	-8	
X	0	-1	0	-1	-3	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	0	0	-4	-2	-1	-1	-1	-1	-8	
*	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	1	

V1.2a--10-Aug-2004--JackL

PAM 40 Matrix

	A	R	N	D	C	Q	E	G	H	I	L	K	M	F	P	S	T	W	Y	V	B	Z	X	*
A	6	-6	-3	-3	-6	-3	-2	-1	-6	-4	-5	-6	-4	-7	-1	0	0	-12	-7	-2	-3	-2	-3	-15
R	-6	8	-5	-9	-7	-1	-8	-8	-1	-5	-8	1	-3	-8	-3	-2	-5	-1	-9	-7	-6	-3	-5	-15
N	-3	-5	7	2	-9	-3	-1	-2	1	-4	-6	0	-7	-8	-5	0	-1	-7	-4	-7	6	-2	-3	-15
D	-3	-9	2	7	-12	-2	3	-3	-3	-6	-11	-4	-9	-13	-7	-3	-4	-13	-10	-7	6	2	-5	-15
C	-6	-7	-9	-12	9	-12	-12	-8	-7	-5	-13	-12	-12	-11	-7	-2	-7	-14	-3	-5	-11	-12	-8	-15
Q	-3	-1	-3	-2	-12	8	2	-6	1	-7	-4	-2	-3	-11	-2	-4	-5	-11	-10	-6	-2	6	-4	-15
E	-2	-8	-1	3	-12	2	7	-3	-4	-5	-8	-4	-6	-12	-5	-4	-5	-15	-8	-6	2	6	-4	-15
G	-1	-8	-2	-3	-8	-6	-3	6	-8	-9	-9	-6	-7	-8	-5	-1	-5	-13	-12	-5	-2	-4	-4	-15
H	-6	-1	1	-3	-7	1	-4	-8	9	-8	-5	-5	-9	-5	-3	-5	-6	-6	-3	-6	-1	0	-4	-15
I	-4	-5	-4	-6	-5	-7	-5	-9	-8	8	-1	-5	0	-2	-7	-6	-2	-12	-5	2	-5	-5	-4	-15
L	-5	-8	-6	-11	-13	-4	-8	-9	-5	-1	7	-7	1	-2	-6	-7	-6	-5	-6	-2	-8	-6	-5	-15
K	-6	1	0	-4	-12	-2	-4	-6	-5	-5	-7	6	-1	-12	-6	-3	-2	-10	-8	-8	-2	-3	-4	-15
M	-4	-3	-7	-9	-12	-3	-6	-7	-9	0	1	-1	11	-3	-7	-5	-3	-11	-10	-1	-8	-4	-4	-15
F	-7	-8	-8	-13	-11	-11	-12	-8	-5	-2	-2	-12	-3	9	-9	-6	-8	-4	2	-7	-9	-12	-7	-15
P	-1	-3	-5	-7	-7	-2	-5	-5	-3	-7	-6	-6	-7	-9	8	-1	-3	-12	-12	-5	-6	-3	-4	-15
S	0	-2	0	-3	-2	-4	-4	-1	-5	-6	-7	-3	-5	-6	-1	6	1	-4	-6	-5	-1	-4	-2	-15
T	0	-5	-1	-4	-7	-5	-5	-5	-6	-2	-6	-2	-3	-8	-3	1	7	-11	-6	-2	-2	-5	-3	-15
W	-12	-1	-7	-13	-14	-11	-15	-13	-6	-12	-5	-10	-11	-4	-12	-4	-11	13	-4	-14	-9	-13	-9	-15
Y	-7	-9	-4	-10	-3	-10	-8	-12	-3	-5	-6	-8	-10	2	-12	-6	-6	-4	10	-6	-6	-8	-7	-15
V	-2	-7	-7	-7	-5	-6	-6	-5	-6	2	-2	-8	-1	-7	-5	-5	-2	-14	-6	7	-7	-6	-4	-15
B	-3	-6	6	6	-11	-2	2	-2	-1	-5	-8	-2	-8	-9	-6	-1	-2	-9	-6	-7	6	1	-4	-15
Z	-2	-3	-2	2	-12	6	6	-4	0	-5	-6	-3	-4	-12	-3	-4	-5	-13	-8	-6	1	6	-4	-15
X	-3	-5	-3	-5	-8	-4	-4	-4	-4	-4	-5	-4	-4	-7	-4	-2	-3	-9	-7	-4	-4	-4	-4	-15
*	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	1

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