Patient DY

Position in HXB2	11	14	51	64	-	81	198
Residue in HXB2	I	P	T	E	-	Y	L
Liver	.	.	.	.	G	Y	.
Basal ganglia	.	.	.	.	E	F	.
Threshold	.	.	.	.	G	Y	.
Liver	R	.	.	.	G	Y	.
Frontal lobe GM	K	.	.	.	E	F	.
Threshold	R	.	.	.	G	Y	.
Liver	.	D	Y	E	G	Y	.
Frontal lobe WM	.	N	H	D	E	F	.
Threshold	.	D	Y	E	G	Y	.
Liver	R	.	.	.	G	Y	I
Lymph node	K	.	.	.	K	F	M
Threshold	R	.	.	.	G	Y	I
Liver	.	.	.	.	G	Y	I
Meninges	.	.	.	.	K	F	M
Threshold	.	.	.	.	G	Y	I
Liver	R	.	.	.	.	.	I
Spleen	K	.	.	.	.	.	M
Threshold	R	.	.	.	.	.	I
Liver	.	.	.	E	G	Y	.
Temporal cortex	.	.	.	D	E	F	.
Threshold	.	.	.	E	G	Y	.

Patient AZ

Position in HXB2	21	182	194
Residue in HXB2	R	E	V
Liver	.	V	V
Frontal cortex	.	M	I
Threshold	.	V	V
Liver	.	.	V
Lymph node	.	.	I
Threshold	.	.	V
Liver	R	.	V
Meninges	K	.	I
Threshold	R	.	V
Liver	.	.	V
Spleen	.	.	I
Threshold	.	.	V

Patient AM

Position in HXB2	51	71	108	133	137	179	182	184	188	192	203
Residue in HXB2	T	T	D	V	L	E	E	R	R	H	F
Liver	T	.	E	V	.	.	Q	K	R	H	Y
Diaphragm	N	.	D	I	.	.	E	R	L	R	F
Threshold	T	.	E	V	.	.	Q	K	R	H	Y
Liver	.	T	.	.	.	E	.	.	.	.	.
Kidney	.	K	.	.	.	K	.	.	.	.	.
Threshold	.	T	.	.	.	E	.	.	.	.	.
Liver	.	.	.	.	L	.	.	.	.	.	.
Left lymph node	.	.	.	.	V	.	.	.	.	.	.
Threshold	.	.	.	.	L	.	.	.	.	.	.
Liver	T	.	E	.	.	.	.	.	.	.	.
Right lymph node	N	.	D	.	.	.	.	.	.	.	.
Threshold	T	.	E	.	.	.	.	.	.	.	.

Patient AM

| Position in HXB2 | 51 | 71 | 108 | 133 | 137 | 179 | 182 | 184 | 188 | 192 | 203 |
Residue in HXB2	T	T	D	V	L	E	E	R	R	H	F
Liver	.	T	.	.	.	.	.	.	.	.	.
Liver tumor (1)	.	R	.	.	.	.	.	.	.	.	.
Threshold	.	T	.	.	.	.	.	.	.	.	.
Liver	.	T	.	.	.	.	.	.	.	.	.
Liver tumor (2)	.	K	.	.	.	.	.	.	.	.	.
Threshold	.	T	.	.	.	.	.	.	.	.	.
Liver	T	.	.	.	.	.	.	.	.	.	.
Prostate	N	.	.	.	.	.	.	.	.	.	.
Threshold	T	.	.	.	.	.	.	.	.	.	.
Liver	.	.	E	.	.	.	.	.	.	.	.
Spleen	.	.	D	.	.	.	.	.	.	.	.
Threshold	.	.	E	.	.	.	.	.	.	.	.
Liver	.	T	.	.	.	.	.	.	.	.	.
Stomach lymphoma	.	K	.	.	.	.	.	.	.	.	.
Threshold	.	T	.	.	.	.	.	.	.	.	.

Amino acid differences between *nef* in the liver and other tissues were included only if the amino acid was conserved at a frequency of 0.8 in the liver. Dots represent no difference between residues of the liver and the other tissue. Residues not shown are conserved in all tissues. Dashes represent insertions and/or deletions relative to HXB2. The core domain structure (residues 56–159 and 175–206) is highlighted and in bold.

Sequence data were originally reported in Lamers *et al.*[18]