

**Table F.**  $^1\text{H}$  NMR chemical shifts of the 2P-hNrf2 peptide in presence of  $\beta$ -TrCP, in ppm from TSP-d4. Ratio 2P-hNrf2 peptide: $\beta$ -TrCP protein = 98:1. Spectra were recorded at 280 K, pH = 7.2, and 20 mM sodium phosphate buffer;  $\text{H}_2\text{O}:\text{D}_2\text{O}$ , 9:1 (v/v).

Residue	Peptide	NH	$\alpha\text{H}$	$\beta\text{H}$	Others
	$\text{CH}_3\text{CO}$	-	-	-	$\text{CH}_3$ 2.14
P333	P1	-	4.43	2,33	$\gamma\text{CH}_2$ 2.02; 1.96 $\delta\text{CH}_2$ 3.68
E334	E2	8.78	4.32	1.98; 2.12	$\gamma\text{CH}_2$ 2.33
S335	S3	8.50	4.56	3.92	
T336	T4	8.37	4.40	4.31	$\gamma\text{CH}_3$ 1.24
A337	A5	8.41	4.32	1.38	
E338	E6	8.46	4.21	1.89	$\gamma\text{CH}_2$ 2.10; 2.21
F339	F7	8.38	4.65	3.06; 3.14	$\delta\text{H}$ 7,28; $\epsilon\text{H}$ 7.32; $\zeta\text{H}$ 7.37
N340	N8	8.50	4.74	2.72; 2.82	$\gamma\text{NH}_2$ 7.06; 7.73
D341	D9	8.43	4.62	2,70	
S342	S10	8.33	4.51	3.86; 3.96	
D343	D11	8.56	4.73	2.71; 2.78	
pS344	pS12	9,02	4.48	4.08	
G345	G13	8.70	3.94; 4.05	-	
I346	I14	7.92	4.28	1.93	$\gamma\text{CH}_2$ ; 1,47; 1.21; $\gamma\text{CH}_3$ 0.96; $?\delta\text{CH}_3$ 0.90
pS347	pS15	8.93	4.54	4.04	
L348	L16	8.74	4.34	1.68	$\gamma\text{H}$ 1.61; $\delta\text{CH}_3$ 0.90; 0.95
N349	N17	8.55	4.80	2.87	$\gamma\text{NH}_2$ 7.05; 8.06
T350	T18	8.27	4.36	4.29	$\gamma\text{CH}_3$ 1.24
S351	S19	8.53	4.78	3,87	
P352	P20	-	4.50	2,35	$\gamma\text{CH}_2$ 2.06; 1.97 $\delta\text{CH}_2$ 3.75
S353	S21	8.59	4.47	3.88	
V354	V22	8.30	4.18	2.11	$\gamma\text{CH}_3$ 0.96
A355	A23	8.53	4.36	1.40	
S356	S24	8.55	4.79	3.90	
P357	P25	-	4.44	2,33	$\gamma\text{CH}_2$ 2.05; 1.92 $\delta\text{CH}_2$ 3.78
E358	E26	8.68	4.19	1.91; 1.96	$\gamma\text{CH}_2$ 2.15; 2.25
H359	H27	8.38	4.66	3.13; 3.23	$\delta^2\text{H}$ 7.13; $\epsilon^1\text{H}$ 8.07
	$\text{CONH}_2$	-	-	-	7.27; 7.64