

SUPPLEMENTARY MATERIAL

Table S1.

Column Number	Contents
1	Residue number
2	hRPA70 ₁₋₁₆₈ amide ¹ H chemical shifts for M1-A138 and hRPA70 ₁₈₂₋₂₉₁ amide ¹ H chemical shifts for S182-D291
3	hRPA70 ₁₋₁₆₈ amide ¹⁵ N chemical shifts for M1-A138 and hRPA70 ₁₈₂₋₂₉₁ amide ¹⁵ N chemical shifts for S182-D291
4	hRPA70 ₁₋₁₆₈ + dT ₁₀ amide ¹ H chemical shifts for M1-A138
5	hRPA70 ₁₋₁₆₈ + dT ₁₀ amide ¹⁵ N chemical shifts for M1-A138
6	hRPA70 ₁₋₃₂₆ amide ¹ H chemical shifts for M1-A138 and S182-D291
7	hRPA70 ₁₋₃₂₆ amide ¹⁵ N chemical shifts for M1-A138 and S182-D291
8	hRPA70 ₁₋₃₂₆ + dT ₈ amide ¹ H chemical shifts for M1-A138 and S182-D291
9	hRPA70 ₁₋₃₂₆ + dT ₈ amide ¹⁵ N chemical shifts for M1-A138 and S182-D291
10	hRPA70 ₁₋₃₂₆ + 9mer amide ¹ H chemical shifts for M1-A138 and S182-D291
11	hRPA70 ₁₋₃₂₆ + 9mer amide ¹⁵ N chemical shifts for M1-A138 and S182-D291
12	hRPA70 ₁₋₃₂₆ + dT ₁₂ amide ¹ H chemical shifts for M1-A138 and S182-D291
13	hRPA70 ₁₋₃₂₆ + dT ₁₂ amide ¹⁵ N chemical shifts for M1-A138 and S182-D291
14	hRPA70 ₁₋₃₂₆ C _α chemical shifts for M1-A138 and S182-D291
15	hRPA70 ₁₋₃₂₆ C _β chemical shifts for M1-A138 and S182-D291

Table S2.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Res	d169-	d169-N	d169-H	d169-N	d327-	d327-N	dt8-H	dt8-N	9mer-	9mer-N	dt12-H	dt12-N	alpha C	beta C
M1														
V2														
G3					8.52	112.52	8.52	112.58	8.5	112.61	8.5	112.64	45.45	
Q4	8.05	118.85	8.06	118.78	8.05	118.77	8.05	118.83	8.05	118.84	8.05	118.87	56.06	30.26
L5	8.1	118.79	8.12	118.79	8.11	118.77	8.12	118.81	8.11	118.81	8.11	118.84	54.11	42.33
S6	9.12	118.33	9.12	118.32	9.12	118.31	9.12	118.34	9.12	118.33	9.12	118.36	56.08	61.35
E7	7.85	126.86	7.85	126.79	7.85	126.83	7.86	126.85	7.86	126.82	7.85	126.84	58.73	30.02
G8														
A9	8.65	126.09	8.65	126.09	8.65	126.11	8.65	126.11	8.65	126.11	8.64	126.09	55.09	20.41
I10	8.98	117.2	8.97	117.2	8.97	117.26	8.97	117.23	8.98	117.24	8.96	117.26	66.19	36.21
A11	8.5	122.3	8.5	122.3	8.5	122.3	8.5	122.3			8.48	122.29	55.2	17.99
A12	7.89	120.2	7.89	120.16	7.9	120.15	7.9	120.19	7.9	120.19	7.89	120.2	55.6	18.06
I13	8.36	119.5	8.36	119.5	8.36	119.5	8.36	119.5	8.36	119.5	8.35	119.6	66.15	39.17
M14	7.96	114.71	7.96	114.71	7.96	114.75	7.96	114.76	7.96	114.76	7.95	114.79	56.02	32.27
Q15	8.77	117.84	8.77	117.82	8.77	117.81	8.77	117.82	8.77	117.82	8.76	117.84	57.52	29.51
K16	7.7	116.1	7.72	116	7.72	115.9	7.72	115.9	7.73	115.98	7.71	115.98	56.32	33.41
G17	7.74	108.99	7.75	109	7.75	109	7.75	108.99	7.76	108.99	7.75	109.04	46.45	
D18	7.47	119.5	7.47	119.4	7.46	119.41	7.46	119.4	7.46	119.4	7.45	119.4	54.58	41.59
T19	7.96	112.99	7.96	113.02	7.96	112.89	7.96	112.92	7.96	112.94	7.95	112.95	61.11	68.67
N20	8.76	121.7	8.76	121.7	8.77	121.74	8.76	121.76	8.77	121.72	8.75	121.72	53.65	38.92
I21	7.22	115.56	7.22	115.56	7.22	115.39	7.22	115.42	7.22	115.41	7.22	115.48	61.19	40.65
K22	8.38	122.46	8.38	122.42	8.37	122.39	8.38	122.39	8.37	122.38	8.36	122.4	53.17	32.92
P23														
I24	9.11	121.82	9.11	121.77	9.11	121.81	9.11	121.79	9.11	121.82	9.1	121.81	61.35	37.8
L25	8.62	123.72	8.62	123.73	8.62	123.71	8.63	123.78	8.62	123.75	8.61	123.82	52.7	47.86
Q26	9.43	120.14	9.42	120.09	9.42	120.11	9.42	120.15	9.42	120.13	9.41	120.19	53.46	32.7
V27	8.8	127.5	8.79	127.51	8.79	127.48	8.79	127.57	8.8	127.56	8.78	127.55	63.02	32.21
I28	9.41	128.96	9.41	128.87	9.4	128.91	9.41	128.94	9.41	128.9	9.39	128.9	60.4	36.28
N29	7.8	114.82	7.8	114.76	7.8	114.91	7.79	114.87	7.8	114.91	7.8	114.85	53.19	42.56
I30	8.31	121.19	8.3	121.32	8.28	121.23	8.3	121.4	8.28	121.28	8.3	121.4	61.2	41.16
R31														
P32													62.1	32.43
I33	9.1	123.8	9.06	123.5	9.09	123.54	9.07	123.58	9.08	123.63	9.06	123.57	60.4	39.18
T34	8.36	119.5	8.4	119.25	8.36	119.5	8.38	119.2	8.36	119.4	8.4	119.1	60	70.2
T35	8.41	116.9	8.35	117	8.41	116.9	8.35	116.94	8.39	117	8.33	116.9		
G36														
N37														
S38														
P39														
P40														
R41	7.66	118.44	7.65	118.69	7.66	118.46	7.67	118.75	7.66	118.52	7.66	118.85	53.17	32.86
Y42	9.27	120.35	9.37	120.44	9.28	120.35	9.37	120.44	9.3	120.45	9.4	120.47	56.04	41.56
R43	8.9	124.56	8.92	124.32	8.9	124.52	8.91	124.43	8.89	124.49	8.91	124.34		
L44														
L45	8.14	124.1	8.15	124										
M46	8.27	122.68	8.26	122.73	8.26	122.63	8.27	122.75	8.26	122.68	8.26	122.86	53.65	36.78
S47	8.95	112.76	8.94	112.64	8.94	112.69	8.94	112.65	8.94	112.69	8.93	112.69	54.13	66.66
D48	8.8	127.51	8.79	127.47	8.8	127.46	8.79	127.56	8.79	127.52	8.78	127.55	52.91	42.34
G49	8.87	107.5	8.89	107.5	8.88	107.49	8.89	107.5	8.9	107.53	8.89	107.58	45.41	
L50					8.48	122.05	8.49	122.05	8.48	122.05	8.47	122.04	56.5	44.49
N51	10.23	118.95	10.23	118.95	10.24	118.95	10.24	118.96	10.24	118.96	10.23	119	52.2	45.46
T52	7.68	106.26	7.68	106	7.68	105.97	7.69	106.02	7.69	106.04	7.68	106.11	59.23	71.11

Table S2. Continued

L53	8.5	120.13	8.49	120	8.49	120.07	8.49	120			8.48	119.98	55.54	46.87
S54	9	121.4	9	121.34	9	121.4	9.04	121.26			9.04	121.26		
S55	6.91	116.14	6.91	116.59	6.91	116.59	6.92	116.77	6.92	116.46	6.91	116.79	62.61	57.01
F56	7.19	117.71	7.2	117.48	7.2	117.53	7.2	117.46	7.2	117.56	7.2	117.47	57.03	41.52
M57	9.44	121.19	9.42	121.11	9.39	120.97	9.4	121.05	9.4	121.07	9.39	121.09	52.99	35.25
L58							8.37	123.75					54.61	43.45
A59	8.55	131.51	8.51	131.34	8.53	131.21	8.5	131.23	8.52	131.22	8.48	131.21	53.65	19.43
T60	8.5	116.03	8.61	116.19	8.48	116.14	8.61	116.19	8.57	116.16	8.65	116.25		
Q61	9	120.74	9.08	120.7	9.01	120.86	9.07	120.72			9.11	120.73	58.47	27.65
L62	8.07	117.61	8.11	117.6	8.08	117.56	8.11	117.64	8.08	117.61	8.13	117.69	54.14	42.13
N63	7.83	122.37	7.83	122.37	7.83	122.43	7.84	122.41	7.84	122.43	7.83	122.44	57.46	35.8
P64														
L65	7.95	113.38	7.97	113.43	7.95	113.43	7.98	113.48	7.96	113.5	7.98	113.53	58.26	42.57
V66	7.42	118.88	7.42	118.9	7.42	118.85	7.43	118.94	7.42	118.92	7.43	119	64.76	32.66
E67	7.85	122.24	7.85	122			7.84	122.41			7.83	122.44		
E68	8.32	114.92	8.32	114.86			8.31	114.96	8.32	114.97	8.31	114.98	55.81	29.4
E69	7.66	112.97	7.7	112.92			7.67	113.03					57.95	26.66
Q70	7.83	116.76	7.82	116.62	7.83	116.59	7.83	116.63	7.83	116.63	7.82	116.65	57.74	29.3
L71	7.37	119.91	7.38	119.92	7.38	120.01	7.39	119.97	7.38	119.97	7.38	119.97	53.67	44.49
S72	7.26	117.34	7.26	117.31	7.27	117.36	7.27	117.35	7.27	117.35	7.26	117.36	57	65.26
S73	8.69	118.45	8.7	118.33			8.71	118.47	8.7	118.39	8.7	118.38		
N74	8.85	114.87	8.86	114.81	8.85	114.81	8.87	114.83	8.87	114.83	8.86	114.89	56.07	36.28
C75	8.18	117.59	8.18	117.56	8.18	117.55	8.19	117.6	8.19	117.57	8.17	117.66	59	27.68
V76	8.55	120.89			8.54	120.84	8.55	120.86	8.55	120.86	8.54	120.88	61.78	34.8
C77	9.34	123.03	9.34	122.92	9.34	123	9.35	123	9.34	122.99	9.33	122.99	55.61	32.89
Q78	9.13	120.97	9.13	120.9	9.13	120.97	9.13	120.97	9.13	120.96	9.12	120.99	54.18	30.52
I79	8.72	127.3	8.72	127.16	8.71	127.16	8.71	127.17	8.73	127.21	8.72	127.26	59.91	36.62
H80	7.98	124.77	7.99	124.71	7.98	124.82	7.99	124.83	8.01	124.7	7.98	124.79	58	33.4
R81	7.88	117.82	7.88	117.74	7.89	117.76	7.89	117.79	7.89	117.76	7.88	117.78	57.03	34.09
F82	8.85	125.41	8.86	125.34	8.86	125.42	8.86	125.37	8.86	125.39	8.84	125.33	56.11	41.63
I83	8.75	116.96	8.73	117.03	8.75	116.99	8.74	117.05	8.75	116.97	8.73	117.13	59.93	43
V84	8.72	124.54	8.72	124.57	8.73	124.55	8.73	124.59	8.72	124.5	8.71	124.66	61.39	32.95
N85							9.15	127.5					51.43	41.83
T86	8.56	118.87	8.55	118.62	8.57	119.04	8.55	118.76	8.56	118.96	8.54	118.67	62.31	69.54
L87	9.14	127.93	9.15	127.71	9.15	127.51	9.15	127.5	9.13	127.78	9.14	127.52	54.14	41.83
K88	8.49	121.19			8.49	121.18	8.5	121.21	8.49	121.18	8.49	121.2		
D89	7.74	115.49	7.8	115.5	7.75	115.38	7.8	115.51	7.74	115.39	7.81	115.59	53.58	40.22
G90	8.07	108.12	8.1	108.16	8.08	108.11	8.1	108.18	8.1	108.22	8.1	108.25	44.71	
R91	7.77	121.23	7.81	121.44	7.79	121.31	7.82	121.51	7.78	121.3	7.82	121.58	57.07	31.25
R92	8.35	120.55	8.34	120.67	8.34	120.57	8.33	120.74	8.34	120.51	8.32	120.77	55.13	32.68
V93	8.77	119.3	8.74	118.98	8.74	119.26	8.73	119	8.74	119.26	8.73	118.99	59.9	35.34
V94	8.12	125.12	8.16	125.09	8.15	125.35	8.17	125.22	8.15	125.31	8.17	125.19	61.19	32.4
I95	9.39	127.9	9.39	127.9	9.39	127.9	9.4	127.9	9.39	127.9	9.38	127.9	59.91	37.74
L96	9.1	126.27	9.09	126.31	9.09	126.37	9.09	126.4	9.09	126.32	9.08	126.4	54.59	43.05
M97	8.23	120.74	8.2	120.62										
E98	7.75	115.3	7.75	115.5	7.75	115.36	7.75	115.4	7.75	115.42	7.75	115.43	56.15	34.38
L99	8.79	123.91	8.78	123.8	8.77	123.78	8.78	123.81	8.78	123.78	8.77	123.89	54.97	46.34
E100	8.77	120.56	8.76	120.47	8.76	120.54	8.76	120.54	8.76	120.52	8.75	120.56	54.15	34.52
V101	9.39	127.81	9.39	127.81	9.38	127.85	9.38	127.85	9.39	127.86	9.38	127.85	64.25	31
L102	8.97	129.82	8.97	129.76	8.96	129.83	8.97	129.86	8.96	129.81	8.96	129.86	57.51	
K103	7.75	117.61	7.75	117.57	7.74	117.5	7.75	117.53	7.75	117.53	7.75	117.62	55.01	36.89
S104					8.76	120.54	8.74	120.55	8.76	120.52	8.75	120.56	57.72	64.76
A105	8.77	123.22	8.77	123.17	8.78	123.21	8.78	123.23	8.78	123.26	8.76	123.25	55.57	21.83
E106	8.6	117.39	8.59	117.3	8.6	117.32	8.6	117.34	8.6	117.3	8.58	117.36	58.7	29.3

Table S2. Continued

A107	7.66	122.03	7.68	122.01	7.67	122.01	7.67	122.04	7.66	122.02	7.66	122.06	53.69	18.96
V108	7.73	118.7	7.73	118.71	7.73	118.69	7.74	118.75	7.73	118.72	7.73	118.76	64.99	32.95
G109	8.23	106.91	8.23	106.7	8.22	106.51	8.23	106.57	8.22	106.59	8.23	106.71	46.91	
V110	7.15	114.94	7.15	114.95	7.15	114.92	7.15	114.94	7.15	114.95	7.15	115.01	59.44	36.04
K111	8.03	123.12	8.04	123.17	8.06	123.22	8.04	123.17	8.05	123.23	8.03	123.24	57.01	32.46
I112	9.24	130.45	9.25	130.4	9.25	130.36	9.25	130.43	9.24	130.35	9.23	130.43	61.89	38.34
G113	8.34	114.44	8.35	114.39	8.34	114.37	8.34	114.39	8.34	114.39	8.33	114.41	45.69	
N114	8.47	116.13	8.47	116.1	8.48	116.14	8.48	116.14	8.48	116.16	8.48	116.16	51.14	39.67
P115														
V116														
P117														
Y118	9.15	126.02	9.13	125.72	9.14	125.88	9.13	125.74	9.13	125.76	9.1	125.59	59.87	39.73
N119														
E120														
G121	8.27	108.81	8.27	108.78	8.26	108.71	8.27	108.76	8.27	108.81	8.27	108.84	45.57	
L122	7.98	121.4	7.98	121.4	7.96	121.34	7.97	121.39	7.97	121.41	7.95	121.4	55.35	42.46
G123	8.42	109.8	8.41	109.6	8.41	109.58	8.41	109.59	8.41	109.61	8.39	109.58	45.28	
Q124														
P125														
Q126														
V127														
A128	8.35	129.61	8.37	129.63	8.35	129.57	8.37	129.63	8.35	129.54	8.35	129.58	50.29	18.41
P129														
P130														
A131	8.3	125.7	8.32	125.7										
P132														
A133														
A134														
S135														
P136														
A137														
A138														
S182	7.97	115.19			7.99	115.08	7.99	115.06	7.99	115.11	7.99	115.11	58.4	63.85
K183	8.03	122.09			8.05	121.85	8.06	122.14	8.05	121.94	8.06	122.09		
V184	7.88	121.72			7.83	121.87	7.83	121.92	7.84	121.98	7.83	121.97		
V185	9.02	123.2												
P186														
I187	10.9	130.88			10.87	130.8	10.89	130.7	10.89	130.62	10.87	130.63	66.32	
A188	8.83	119.87			8.81	119.65	8.84	119.83	8.83	119.74	8.83	119.84	53.71	18.95
S189	7.89	112.83			7.88	112.63	7.88	112.7	7.88	112.7	7.88	112.76	58.95	65.14
L190	7.34	122.62			7.33	122.54	7.37	122.57	7.36	122.62	7.36	122.58	55.67	41.63
T191	7.43	111.58					7.38	111.8					58.46	70.25
P192														31.48
Y193	7.29	114.85			7.28	114.71	7.31	114.61	7.31	114.61	7.33	114.56	57.9	37.68
Q194	7.26	119.97			7.24	119.79	7.29	119.89	7.28	119.87	7.31	119.81	55.54	30.49
S195														
K196														
W197	7	118.71			6.94	118.42	6.96	118.45	6.97	118.4	6.93	118.46	55.44	31.92
T198	7.83	117.34			7.87	117.32	7.87	117.27	7.88	117.38	7.87	117.28	63.24	72.34
I199	9.43	118.43			9.4	118.4	9.41	118.37	9.42	118.39	9.41	118.37		
C200	10.01	130.27			9.82	126.24	9.82	126.23	9.82	126.24	9.81	126.21		
A201	9.25	127.71												
R202	9.1	122.89											54.94	32.56
V203	8.48	126.7			8.49	126.77	8.48	126.74	8.49	126.72	8.47	126.77	61.39	32.32

Table S2. Continued

T204	9.12	121.22			9.13	121.2	9.15	121.4	9.14	121.3	9.14	121.35	62.31	68.94
N205	7.59	118.3			7.58	118.05	7.6	118.27	7.59	118.19	7.59	118.3	53.63	42.31
K206	8.27	124.87												
S207	9.44	125.16			9.42	125.05	9.44	125.11	9.43	124.98	9.43	125.13	58.98	66.18
Q208	8.28	115.32			8.26	115.15	8.3	115.22	8.27	115.25	8.29	115.26	55.59	29.77
I209	8.53	123.83			8.5	123.84	8.47	123.34	8.46	123.38	8.45	123.31	63.28	38.18
R210	9.28	130.32			9.27	130.15	9.32	130.75	9.35	130.63	9.3	130.74	54.29	32.79
T211	8.43	113.89			8.4	113.64	8.43	113.99	8.35	113.44	8.42	114.11	60	71.04
W212	8.24	120.64												
S213	8.47	114.52					8.58	114.44					58	63.94
N214	9.05	123.48												
S215														
R216	8.44	119.93			8.43	119.83	8.43	120.37			8.41	120.41	56.78	30.99
G217	7.85	109.21			7.84	109.02	7.85	108.67	7.87	108.7	7.84	108.71	45.41	
E218	8.04	118.33			8.02	118.14	8.13	118.55	8.1	118.35	8.09	118.34		
G219	7.3	109.46			7.26	109.2								
K220	8	117.17			7.97	116.97	8.01	116.69	8.04	116.49	8	116.74	53.9	33.12
L221	9.29	118.95			9.28	118.81	9.37	119.28	9.28	119.15	9.29	118.92	55.33	44.96
F222	8.5	115.66			8.49	115.53	8.49	115.28			8.49	115.34	57.5	42.26
S223	9.15	115.61			9.11	115.47	9.07	115.13	9.04	115.05	9.06	115.17	56.56	67.55
L224	9.31	120.61			9.28	120.48	9.31	120.36	9.3	120.37	9.3	120.34	53.65	46.46
E225	8.05	120.31			8.02	120.1	8.07	119.7	8.05	119.98	8.06	119.71	56.62	31.67
L226	8.64	123.67			8.64	123.67	8.69	123.42	8.69	123.72	8.66	123.43	53.11	44.42
V227	8.97	118.48			8.96	118.41	8.98	118.44	8.96	118.28	8.98	118.42	60.41	36.69
D228	8.95	127.49			8.9	126.98	8.92	127.02	8.92	126.72	8.91	127.04	53.15	42.07
E229	8.78	115.94			8.78	115.86	8.86	115.98	8.85	115.92	8.86	115.92	59.22	29.45
S230	9.24	117.07			9.28	117	9.27	116.98	9.26	116.91	9.26	117.01	58.92	65.5
G231	7.72	112.35												
E232	8.13	115.55			8.1	115.33	8.15	115.06	8.15	115.13	8.14	115.12		
I233	8.94	119.48			8.89	119.21	8.87	118.82	8.88	118.87	8.87	118.87	61.52	41.83
R234	9.01	127.92											54.91	
A235	8.95	127.49			8.93	127.27	8.97	127.36	8.89	127.14	8.96	127.3	49.31	23.77
T236	8.01	116.02			7.98	115.86	7.94	115.83	7.94	116.49	7.92	115.9	61.91	71.43
A237	8.01	127.89			8	127.78	8.04	127.72	7.91	127.77	8.03	127.69	49.76	22.27
F238	9.36	117.2			9.33	117	9.41	116.69	9.26	116.6	9.4	116.68	56.84	42.95
N239	9.3	119.74			9.28	119.6	9.3	118.88	9.22	119.54	9.37	119.53	56.99	37.95
E240	9.62	125.03			9.58	124.93								
Q241	8.61	116.57			8.59	116.42	8.62	116.2	8.59	116.16	8.65	116.31	62.05	33.1
V242	9.09	122.76			9.09	122.47	9.11	122.57	9.08	122.51	9.1	122.57	64.95	36.3
D243	7.09	116.98			7.08	116.82	7.02	116.97	7.02	116.9	7.01	117.03	57.01	40.18
K244	7.14	114.7			7.12	114.56	7.21	114.52	7.15	114.58	7.21	114.58	58.49	33.9
F245	7.7	110.97			7.75	110.78	7.72	110.76	7.7	110.81	7.7	110.87	60.59	40.08
F246	9.09	122.62			9.09	122.47	9.11	122.57	9.05	122.49	9.1	122.57	55.58	43.04
P247													64.66	31.55
L248	6.94	115.46			6.93	115.28	6.91	115.35	6.92	115.3	6.9	115.37	55.53	44.24
I249	6.7	115.97			6.69	115.87	6.72	116.01	6.69	115.96	6.72	116.08	60.9	40.17
E250	8.88	128.61			8.84	128.45	8.83	128.46	8.83	128.4	8.82	128.48	54.16	32.93
V251	8.37	120.55					8.39	120.56					64.25	32.23
N252	9.46	118.94			9.42	118.79	9.44	118.84	9.43	118.86	9.44	118.92	55.57	37.77
K253	7.52	119.14			7.52	119.48	7.54	119.41	7.52	119.41	7.53	119.46	55.59	33.54
V254	7.79	120.43												
Y255	8.68	123.27												
Y256	9.21	117.61			9.17	117.36	9.19	117.44	9.2	117.48	9.18	117.46	62.02	33.12
F257	9.01	121.98			9.02	121.82	9.04	121.85	9.04	121.81	9.02	121.88	57.92	32.87

Table S2. Continued

S258	8.68	115.71			8.65	115.44	8.66	115.39	8.64	115.31	8.65	115.47		
L259														
G260					6.44	105.08	6.44	105.08	6.43	104.58	6.43	105.19	44.4	
T261	8.78	115.94			8.78	115.86	8.87	117.13					62.03	70.55
L262	9.14	128.53			9.12	128.46	9.04	128.27	9.03	128.46	9.03	128.26	53.67	44.82
K263	8.72	118.63			8.71	118.5	8.81	118.17	8.75	118.65	8.79	118.17	53.72	35.78
I264	8.55	122.45			8.55	122.45	8.48	121.8					62.36	37.72
A265	8.69	130.83			8.68	130.71	8.75	130.34	8.73	130.61	8.72	130.3	52.2	19.45
N266	8.44	119.93			8.43	119.83	8.4	119.93			8.4	120	52.19	37.85
K267	8.46	123.75			8.49	123.85	8.45	123.98			8.43	123.9	58	31.48
Q268	8.16	119.08			8.16	119.08							56.17	32.53
F269	7.96	117.51			8.01	118.16	7.02	116.96	7.04	116.82	7.01	117.03	57.1	40.47
T270	7.64	113.43			7.64	113.43	7.29	112.75	7.3	112.7	7.28	112.78	60.85	69.47
A271	8.32	126.09			8.32	126.09	8.44	127.73	8.43	127.24	8.44	127.71	51.46	19.21
V272	7.91	119.71			7.9	120.16	8.14	121.94	8.15	121.96	8.13	121.93	63.34	
K273	9.15	128.86			9.16	128.94	9.46	131.03	9.45	130.6	9.43	130.92	55.87	30.54
N274	7.56	121.99			7.51	121.88	7.42	122.88	7.41	122.73	7.41	122.85	53.65	40.14
D275	8.53	125.6			8.52	125.5	8.57	126.56	8.56	126.24	8.56	126.5	56.2	40.62
Y276	9.08	119.49			9.07	119.38	9.21	120.09	9.21	119.93	9.18	120.09	55.98	41.33
E277	9.04	116.12			9.01	115.96	9.08	116.03	9.12	116.12	9.08	116.13	54.7	34.64
M278	8.93	121.05			8.91	120.84	8.89	119.85	8.9	120.51	8.88	119.82	54	37.14
T279	9.67	122.21			9.66	121.94	9.72	121.38	9.72	120.89	9.71	121.41	60.38	70.92
F280														
N281														
N282														
E283	8.87	117.61			8.87	117.47	8.93	117.64	8.92	117.79	8.91	117.64	55.8	31
T284	7.52	119.14			7.52	118.77	7.54	118.81	7.54	118.84	7.53	118.88	64.01	69.7
S285	8.8	121.21			8.75	121.03	8.75	121.04	8.74	121.02	8.76	121.04		
V286	8.28	123.62												
M287	8.75	125.75			8.73	125.6	8.74	125.53	8.74	125.56	8.73	125.55		
P288														
C289	7.87	122.28												
E290	8.73	127.59												
D291	7.89	127.12			7.85	126.85	7.86	126.84	7.86	126.82	7.85	126.85		