

TABLE 1S: ^{15}N , ^{13}C , ^{13}CO , and ^1H Backbone Resonance Assignments for Oncostatin M at pH 5.2 and 35°C. In each column, ^{15}N and ^{13}C shifts are listed first, and the corresponding ^1H shifts are given in parentheses.

Residue	N	CO α	C β	Others
D1	-	172.5	53.2(4.31)	39.6
Y2	118.5(8.70)	175.4 58.3(4.65)	38.5	
K3	120.8(8.17)	176.0 56.1(4.43)	33.0	
D4	118.3(8.26)	175.9 54.1(4.74)	40.2	
D5	117.1(8.40) -	53.5(4.64) -		
D6	-	176.2	54.1(4.71)	40.4
D7	117.9(8.51)	176.5 54.2(4.65)	40.0	
K8	118.3(8.10)	176.7 56.5(4.31)	32.5	C γ 24.5; C δ 28.7; C ϵ 42.2
A9	121.1(8.08)	177.6 52.5(4.34)	19.1	
A10	120.4(8.10)	178.0 52.3(4.40)	18.9	
I11	117.1(7.98)	177.0 61.5(4.25)	38.4	C γ 27.3; C γm 17.4; C δ 13.0
G12	109.6(8.40)	174.2 45.2(4.10)		
S13	112.7(8.16)	174.7 57.9(4.63)	63.8	
C14	118.5(8.44)	175.4 54.0(4.96)	38.5	
S15	115.1(8.54)	174.6 58.6(4.51)	63.4	
K16	120.8(8.47)	175.7 55.3(4.63)	32.6	C γ 24.5; C δ 28.9; C ϵ 42.1
E17	117.9(8.24)	175.7 55.0(4.69)	30.2	C γ 35.8
Y18	125.4(9.12)	176.1 62.7(3.95)	38.7	
R19	113.7(9.34)	179.6 59.4(3.87)	29.7	C γ 27.8; C δ 43.1
V20	118.3(7.06)	178.6 65.2(3.78)	31.7	
L21	119.7(8.06)	178.4 57.4(4.10)	42.4	C γ 24.8; C δ 24.3

L22	116.6(8.69)	178.3	57.6(3.62)	41.1	C γ 26.0
G23	102.4(7.65)	176.9	46.9(3.93)		
Q24	119.1(7.93)	178.7	58.9(4.13)	27.9	C γ 33.9
L25	118.6(8.32)	174.7	57.7(4.49)	38.6	
Q26	121.4(8.37)	175.4	55.8(4.46)	30.8	
K27	119.8(7.99)	179.5	59.6(4.13)	27.8	C γ 22.7;C δ 26.8;C ϵ 43.2
Q28	120.4(8.77)	177.7	60.4(3.73)	29.7	
T29	115.3(8.58)	172.9	56.4(4.70)	69.3	
D30	125.3(8.02)	177.6	57.3(4.34)	-	
L31	-	179.5	58.0(4.34)	42.2	C γ 27.0;C δ 24.0
M32	110.9(7.79)	177.1	56.3(4.58)	33.2	
Q33	114.5(7.79)	175.9	56.3(4.35)	29.9	C γ 35.2
D34	123.6(9.11)	177.2	53.5(-)	-	
T35	117.2(8.30)	176.5	63.8(4.31)	67.7	C γ 19.9
S36	116.2(8.73)	175.6	60.7(4.47)	63.1	
R37	115.3(7.90)	176.6	56.7(4.34)	31.1	
L38	112.8(7.13)	175.1	58.2(4.69)	38.5	
L39	121.3(8.16)	174.9	56.0(4.41)	-	
D40	123.3(7.97)	-	54.5(4.56)	-	
P41	-	177.3	66.1(4.13)	30.8	C γ 27.5
Y42	114.7(7.98)	176.3	62.7(3.95)	38.4	
I43	117.2(8.92)	178.1	66.1(3.59)	37.9	
R44	115.3(8.03)	180.3	60.8(4.13)	31.4	
I45	116.0(8.53)	176.9	63.6(4.12)	37.4	
Q46	111.8(7.87)	176.5	54.5(4.80)	28.8	C γ 31.2
G47	106.0(7.77)	175.7	46.9(4.11)		
L48	115.3(8.35)	175.8	53.4(4.64)	42.8	

D49	118.1(8.44)	177.3	53.5(4.59)	38.7	
V50	111.9(8.25)	174.2	61.8(4.44)	-	
P51	-		178.3	66.5(4.30)	31.8
K52	112.1(8.53)	177.7	58.4(4.25)	31.6	
L53	115.8(7.68)	178.7	56.8(4.53)	41.8	
R54	116.8(8.48)	179.4	59.9(4.06)	29.8	
E55	115.3(8.10)	177.5	58.1(4.20)	28.8	C γ 35.1
H56	112.3(8.00)	175.2	56.1(4.87)	28.9	
C57	116.6(7.97)	-	55.2(-)	-	
R58	-	-	-	-	-
E59	-	-	-	-	-
R60	-	-	-	-	-
P61	-		177.7	63.9(4.57)	31.6
G62	109.7(8.90)	174.6	45.2(4.33,3.85)		
A63	121.8(7.93)	177.0	54.5(4.12)	19.6	
F64	111.9(8.33)	179.5	54.9(4.67)	-	
P65	-	-	-	-	-
S66	-		180.2	60.1(4.16)	-
E67	119.8(8.33)	177.8	61.0(3.87)	29.3	C γ 36.4
E68	114.9(8.81)	179.3	60.0(3.98)	28.5	C γ 35.9
T69	116.0(8.09)	177.3	66.1(4.06)	68.1	C γ 21.2
L70	117.6(8.33)	179.0	57.8(4.23)	42.2	C γ 26.0
R71	114.2(8.52)	177.2	58.2(4.05)	30.3	C γ 27.8;C δ 43.5
G72	102.4(7.62)	174.5	45.1(4.34,3.92)		
L73	117.3(7.08)	178.9	54.7(4.51)	-	
G74	106.3(8.50)	-	44.4(-)		
R75	-		176.2	56.3(4.30)	-

R76	118.9(8.13)	176.7	57.2(4.77)	-	C γ 29.4
G77	108.1(8.16)	173.9	45.1(4.00,3.90)		
F78	117.7(8.12)	176.7	61.2(4.46)	39.1	
L79	116.2(8.32)	179.1	58.2(3.90)	40.8	
Q80	116.0(8.45)	179.4	59.2(4.19)	28.3	C γ 33.7
T81	116.6(8.61)	177.6	66.8(4.24)	68.4	C γ 20.7
L82	123.8(8.88)	178.1	58.8(4.11)	41.4	C γ 26.4
A83	118.8(8.77)	180.7	56.3(3.90)	17.5	
A84	119.2(8.33)	181.5	55.1(4.37)	18.0	
T85	115.2(8.63)	176.7	67.2(4.11)	68.1	
L86	117.2(8.87)	178.9	57.9(4.24)	40.3	C γ 26.7;C δ 21.6
G87	104.4(8.08)	175.9	47.4(4.23,3.92)		
A88	123.4(7.64)	181.3	55.1(4.44)	17.6	
V89	118.0(8.72)	177.6	66.6(3.90)	31.4	C γ 23.6
L90	117.7(8.62)	179.6	58.6(4.01)	41.5	
H91	115.2(7.83)	177.3	58.6(4.56)	28.2	
R92	117.9(8.19)	179.5	57.9(4.10)	29.4	C δ 44.8
L93	117.8(9.15)	178.0	57.5(4.14)	41.9	C γ 26.7;C δ 24.6
A94	118.9(7.76)	180.1	55.2(4.25)	17.5	
D95	115.1(7.27)	178.0	57.0(4.40)	41.2	
L96	117.4(8.01)	180.3	58.2(4.15)	42.3	
E97	115.2(8.80)	178.6	58.8(4.02)	28.9	C γ 35.3
Q98	114.4(7.63)	176.7	57.6(4.32)	28.7	C γ 33.8
R99	113.5(7.55)	176.3	54.9(4.62)	30.3	C δ 43.2
L100	119.1(7.28)	174.5	53.2(4.55)	-	
P101	-	175.3	62.3(4.59)	32.0	C γ 27.5
K102	115.7(8.50)	178.5	54.8(4.47)	33.1	C γ 24.8;C δ 28.7;C ϵ 42.2

A103	122.4(8.93)	179.6	55.7(3.95)	18.0		
Q104	112.0(8.84)	177.6	58.5(4.24)	28.1	C γ 33.7	
D105	116.6(7.54)	178.2	56.0(4.70)	40.7		
L106	118.5(7.86)	179.1	57.5(4.18)	41.2	C γ 26.6;C δ 23.9	
E107	116.6(8.42)	179.4	58.7(4.29)	28.4	C γ 34.5	
R108	117.1(8.05)	177.4	58.1(4.34)	29.9	C γ 27.2;C δ 43.3	
S109	110.9(7.76)	174.4	58.6(4.68)	64.3		
G110	107.5(8.11)	174.6	45.9(4.21,4.00)			
L111	118.7(7.84)	175.7	54.1(4.56)	42.7	C γ 25.4;C δ 22.8	
N112	116.5(8.94)	177.0	52.8(4.91)	39.2		
I113	123.0(8.80)	177.1	63.0(4.06)	37.9	C γ 28.3;C γ m 17.8;C δ 13.8	
E114	119.2(8.58)	179.1	59.0(4.19)	28.7	C γ 35.7	
D115	116.1(7.86)	178.0	57.6(4.63)	40.3		
L116	117.7(7.18)	178.8	57.7(4.17)	41.9	C γ 24.8	
E117	115.9(8.27)	179.2	59.0(4.18)	28.0	C γ 34.3	
K118	116.0(8.06)	180.2	60.1(4.17)	32.5		
L119	117.4(7.67)	179.1	58.0(3.90)	41.2		
Q120	116.4(8.42)	178.0	58.5(4.25)	28.3	C γ 34.1	
M121	114.1(7.94)	176.7	55.4(4.63)	32.1		
A122	120.0(7.59)	178.9	55.9(4.28)	19.1		
R123	113.2(8.61)	-	62.0(-)	-		
P124	-	177.0		59.6(4.49)	32.0	C γ 27.3;C δ 50.2
N125	114.5(8.24)	178.2	56.1(4.70)	38.3		
I126	121.3(8.77)	177.8	65.9(3.78)	37.7	C γ m 18.7	
L127	120.1(8.98)	179.7	58.4(4.05)	41.7	C γ 24.6	
G128	103.8(8.16)	176.4	47.0(4.00,4.00)			
L129	122.4(7.71)	178.1	58.0(4.38)	41.7	C γ 27.1	

R130	117.2(8.92)	177.7	60.3(3.73)	36.8	
N131	115.3(8.58)	177.7	56.4(4.70)	37.9	
N132	116.5(7.89)	178.1	55.4(4.80)	37.9	
I133	121.0(8.50)	177.8	65.0(3.76)	-	
Y134	117.9(8.24)	174.0	60.4(4.55)	-	
C135	-	177.6		57.0(4.65)	36.0
M136	120.5(8.70)	177.3	57.6(4.63)	31.6	
A137	120.6(8.94)	179.8	55.4(4.13)	17.4	
Q138	113.0(7.91)	178.1	58.0(4.28)	28.6	C γ 34.0
L139	117.1(7.81)	179.2	56.9(4.42)	41.9	
L140	115.6(7.86)	177.8	55.8(4.39)	41.8	
D141	116.9(8.13)	176.1	54.7(4.74)	40.2	
N142	116.6(8.33)	175.5	53.6(4.86)	38.7	
S143	112.3(8.24)	174.3	58.7(4.57)	63.9	
D144	119.5(8.41)	176.1	53.9(4.85)	40.3	
T145	111.7(8.15)	174.2	61.7(4.40)	69.7	C γ 21.4
A146	124.0(8.31)	177.3	52.2(4.47)	19.2	
E147	119.0(8.32)	-	53.8(4.70)	-	
P148	-	177.2		62.9(4.66)	31.9 C γ 27.2;C δ 50.4
T149	111.5(8.30)	173.9	60.5(4.55)	78.3	C γ 19.1
K150	121.4(8.26)	175.8	55.9(4.48)	33.3	C γ 24.5;C δ 28.9;C ϵ 42.1
A151	123.5(8.41)	178.1	52.2(4.47)	19.4	
G152	106.2(8.41)	174.2	45.1(4.09,4.09)		
R153	118.3(8.32)	176.9	56.0(4.46)	30.8	C γ 26.8;C δ 43.2
G154	107.8(8.52)	173.7	45.0(4.06,4.06)		
A155	121.5(8.21)	177.6	52.1(4.47)	19.4	
S156	113.0(8.41)	173.7	55.8(4.69)	69.2	

Q157	122.2(8.50)	173.7	53.2(4.75)	-	
P158	-	-	-	-	
P159	-	-	-	-	
T160	-	-	-	-	
P161	-	-	-	-	
T162	-	-	-	-	
P163	-	176.3	62.7(4.53)	32.0	C γ 27.2;C δ 50.9
A164	122.3(8.51)	177.9	52.1(4.46)	19.1	
S165	113.2(8.44)	174.3	58.6(4.52)	63.9	
D166	118.8(8.03)	176.1	53.4(4.81)	42.2	
A167	122.1(8.70)	179.8	55.2(4.11)	18.7	
F168	117.2(8.54)	177.5	61.1(4.40)	38.6	
Q169	116.6(8.64)	-	58.5(-)	-	
R170	-	-	-	-	
K171	-	180.7	59.1(4.35)	32.5	
L172	119.8(8.20)	179.2	56.8(4.44)	41.5	
E173	118.2(8.75)	180.4	59.5(4.17)	28.7	C γ 35.8
G174	103.5(8.05)	174.6	47.3(3.99)		
C175	117.4(7.99)	177.0	60.4(4.49)	38.8	
R176	114.5(8.25)	176.4	56.5(4.31)	-	
F177	-	176.7	61.0(-)	38.9	
L178	115.2(8.06)	177.9	57.2(3.84)	42.2	
H179	116.4(8.81)	178.3	60.6(4.45)	29.8	
G180	103.1(8.35)	174.2	47.2(3.87)		
Y181	121.4(8.20)	176.8	60.8(4.48)	36.7	
H182	115.5(8.00)	175.1	60.3(4.20)	-	
R183	-	176.8	62.7(4.59)	31.9	

F184	114.9(8.28)	176.6	59.6(4.26)	43.0		
M185	114.3(8.77)	178.0	59.0(3.77)	28.4	C γ	34.2
H186	117.0(7.94)	178.0	59.1(4.45)	27.7		
S187	116.2(8.66)	175.5	62.4(3.97)	-		
V188	119.6(8.59)	178.0	66.5(3.34)	31.6	C γ	23.6
G189	105.1(8.48)	177.0	47.4(4.11,3.95)			
R190	119.0(7.70)	179.9	58.6(4.07)	29.3	C δ	42.7
V191	119.8(7.68)	178.8	66.8(3.56)	30.3	C γ	20.7
F192	114.2(8.19)	179.6	60.2(4.06)	38.5		
S193	112.8(8.14)	175.7	61.6(4.35)	62.6		
K194	117.9(7.54)	178.2	55.7(4.64)	31.9	C γ	24.5;C δ 28.2;C ϵ 42.1
W195	120.2(8.21)	177.7	59.5(4.68)	29.1		
G196	105.3(8.39)	174.3	45.1(4.29,4.12)			
E197	117.0(8.28)	175.9	56.7(4.50)	29.9	C γ	35.2
S198	113.7(8.15)-		55.6(4.40) -			
P199	-	176.2		63.0(4.29)	31.6	C γ 26.8;C δ 50.4
A200	121.3(8.04)	177.3	52.2(4.35)	19.3		
R201	117.7(8.23)	176.2	55.8(4.48)	31.0	C γ	27.1;C δ 43.2
S202	115.3(8.39)	173.5	58.3(4.56)	63.9		
R203	124.9(8.02)	177.6	57.4(-)	-		
