Table 1 ^{15}N, ^{13}C, ^{13}CO and ^{1}H resonance assignments for bFGF at pH 5.5 and 25°C.[a]

Residue	N	CO	Cα(**1,2**)	Cβ(**1,2**)	Others
M1					
A2	-	173.4	51.3(4.05)	18.9(1.46)	
E3	118.4(8.73)	176.4	56.5(4.24)	29.7(**2.03,1.94**)	Cγ 35.7(2.24)
G4	108.5(8.57)	173.5	44.8(3.87)		
E5	118.0(8.07)	176.0	55.8(4.26)	30.1(1.93)	Cγ 35.7(2.16)
I6	120.4(8.34)	176.1	60.7(4.19)	38.3(1.82)	Cγ 26.8(1.47,1.15); Cγm 17.2(0.83); Cδ 12.4(0.83)
T7	116.8(8.30)	174.0	61.3(4.36)	69.4 (4.14)	Cγ 21.0(1.13)
T8	115.1(8.11)	173.6	61.3(4.27)	69.4 (4.09)	Cγ 21.2(1.12)
L9	124.2(8.26)	174.6	52.6(4.55)	41.34(1.53)	Cγ 26.6(1.62); Cδ 24.8(0.87);Cδ 22.8(0.87)
P10	-	175.7	62.4 (4.32)	31.7(**2.20,1.83**)	Cγ 26.9(1.94); Cδ 50.1(3.78,3.58)
A11	122.0(8.25)	176.9	51.6(4.24)	18.9(1.28)	
L12	120.7(8.25)	175.0	52.4(4.55)	41.3(1.53)	Cγ 26.6(1.62); Cδ 24.8(0.87);Cδ 22.8(0.87)
P13	-	177.2	62.7(4.32)	31.6(**2.22,1.85**)	Cγ 27.0(1.98);Cδ 50.1(3.77,3.58)
E14	118.7(8.60)	176.0	56.4(4.17)	29.6(1.99,1.89)	Cγ 35.8(2.21)
D15	118.7(8.25)	176.5	53.8(4.54)	40.9(2.64)	
G16	107.2(8.34)	174.6	45.3(4.55,3.88)		
G17	106.5(8.35)	174.1	45.0(3.95,3.65)		
S18	113.2(8.27)	174.7	58.4(4.38)	63.4 (3.86)	
G19	108.5(8.42)	173.1	44.9(3.85)		
A20	120.8(7.89)	176.5	51.8(4.19)	18.9 (1.15)	

F21	117.0(8.09)	172.9	55.1(4.71)	39.0(2.81, 2.71)	Cδ 131.7(7.09); Cε 129.0(7.20); Cζ –(7.39)
P22		174.3	61.2(4.74)	30.4(**2.36, 1.92**)	Cγ 27.0(1.99); Cδ 50.2(3.81, 3.50)
P23	-	177.9	63.6 (4.44)	31.6(**2.33,1.88**)	Cγ 27.3 (2.05);Cδ 50.1 (3.83,3.64)
G24	106.4(8.70)	174.4	45.3(3.95,3.81)		
H25	117.2(8.09)	174.0	57.0(4.25)	29.3(3.08,2.85)	Cδ2 119.4(6.08);Cε1 136.2(7.95)
F26	114.7(8.07)	175.5	57.2(4.54)	39.1(**3.31,2.88**)	Cδ 131.7(7.20);Cε -(7.28)
K27	118.1(7.96)	175.7	57.0(4.14)	32.8(1.74)	Cγ 24.4(1.36);Cδ 28.7(1.68);Cε 41.7(2.96)
D28	117.2(7.94)	173.5	52.1(4.95)	40.5(2.70, 2.49)	
P29	-	175.0	62.5(4.72)	32.1(**2.06,1.65**)	Cγ 26.8(1.98,1.90);Cδ 50.1(3.88,3.65)
K30	117.0(9.32)	175.0	53.3(5.13)	37.4(**1.73,1.35**)	Cγ 24.4 (1.48);Cδ 28.6(1.61);Cε 42.3(2.89)
R31	115.0(8.80)	174.7	54.0(4.86)	33.3(**1.85,1.46**)	Cγ 27.6 (1.37);Cδ 43.2(2.46)
L32	122.9(10.35)	173.9	53.8(4.89)	43.0(**1.33,1.58**)	Cδ 23.9(0.21); Cδ 22.7(0.57)
Y33	124.6(8.60)	173.2	56.6(4.28)	39.9(**3.28,2.86**)	Cδ 133.0(6.30); Cε 117.3(6.47)
C34	128.0(9.32)	174.2	57.4 (4.35)	29.2(**2.30,2.65**)	
K35	126.4(8.35)	176.2	57.5(3.70)	33.7(**1.67,1.40**)	Cγ 25.3(1.31,1.21);Cδ 29.0(1.19, 0.90) Cε 41.4(2.60)
N36	116.1(7.69)	172.1	50.8(4.49)	36.9(**1.91,3.19**)	
G37	106.1(7.65)	174.3	44.4(**4.21,3.45**)		
G38	106.0(7.02)	172.4	46.2(**3.31,2.78**)		
F39	110.7(5.82)	174.2	56.6(3.89)	42.1(**2.54,2.27**)	Cδ 130.4(6.77); Cε 131.6(7.23); Cζ 129.7(7.00)
F40	118.3(9.33)	176.2	56.6(5.52)	40.0(**3.29,2.92**)	Cδ 131.7(7.19); Cε 131.2(7.40); Cζ - (7.40)
L41	121.2(8.34)	173.6	56.3(4.32)	43.1 (**1.83, 1.27**)	Cγ 26.9(1.38);Cδ 23.4(0.62) Cδ 25.2(0.35)
R42	126.4(9.60)	173.0	55.3(4.49)	33.1(**2.52, 1.06**)	Cγ 25.5;Cδ 44.8 (3.00,2.69)
I43	120.9(7.43)	174.1	59.8(4.31)	39.4(1.40)	Cγ 26.9(0.78); Cγm 16.8(0.46);Cδ 13.5(0.58)
H44	122.7(8.75)	175.5	54.8(4.13)	31.5(**2.91,3.10**)	Cδ2 117.7(6.50); Cε1 136.0(7.68)
P45	-	175.4	64.5(4.12)	31.5(**2.37,2.00**)	Cγ 27.6(2.02,1.74);Cδ 49.6(3.29,2.72)
D46	112.1(7.89)	177.1	52.8(4.48)	39.9(**2.51,2.98**)	

G47	105.2(7.93)	173.2	45.1(**3.61,4.55**)		
R48	117.5(7.70)	174.7	57.0(4.37)	31.1(**1.40,1.58**)	Cγ 28.0(1.50);Cδ 42.9(3.08,2.90)
V49	118.9(8.24)	174.2	60.5(4.99)	34.5(1.57)	Cγ 20.9(0.82); Cγ 20.9(0.73)
D50	126.5(9.06)	171.8	53.1(4.29)	40.3(**3.00,3.13**)	
G51	101.5(8.09)	171.7	44.1(**5.57,3.01**)		
V52	113.5(8.85)	174.3	59.8 (4.96)	36.0 (2.08)	Cγ 21.5(1.24); Cγ 21.1(1.00)
R53	122.9(9.28)	175.8	57.6(4.48)	29.9(**1.85,1.62**)	Cγ 28.3(1.26,0.94);Cδ 42.7(2.86, 2.79)
E54	117.1(7.05)	174.9	56.3(4.31)	29.6(2.11,2.04)	Cγ 36.1(2.43)
K55	122.6(8.43)	175.6	57.6(3.49)	32.1(1.62,1.71)	Cγ 24.3(1.20);Cδ 29.3(1.36);Cε 41.5(2.92)
S56	109.9(8.11)	173.7	57.5(4.23)	63.1(**3.71,3.96**)	
D57	123.4(7.01)	177.1	52.6(4.49)	42.9(2.65,2.54)	
P58	-	178.7	64.0(4.19)	31.7(**2.13,1.32**)	Cγ 26.2(1.82,1.28);Cδ 50.1(3.75, 3.55)
H59	116.0(9.45)	173.3	58.4(4.65)	28.1(**3.61,2.59**)	Cδ2 119.0(6.85); Cε1 137.1(7.79)
I60	105.4(6.75)	174.7	59.7(5.09)	37.2(2.36)	Cγ 23.8(1.70, 0.76);Cγm 16.6(0.68);Cδ 14.9(0.32)
K61	117.9(6.55)	174.7	56.8(4.18)	32.0(1.76,1.56)	Cγ 25.6(1.05);Cδ 29.2(1.26);Cε 41.7(2.83)
L62	127.5(9.68)	174.9	53.0(5.38)	44.1(**1.02,1.45**)	Cγ 25.8(2.02);Cδ 26.5 (0.67); Cδ 21.8(0.55)
Q63	117.9(9.37)	174.5	53.8(4.57)	31.2(**1.82,1.67**)	Cγ 33.4(2.06); Nε (110.1, 7.46, 6.52)
L64	129.7(9.12)	175.7	54.5(5.23)	41.9(**1.44,1.63**)	Cγ 29.6(1.57); Cδ 26.0(0.77); Cδ 24.4(0.65)
Q65	119.2(8.31)	174.1	54.3(4.53)	31.3(1.98)	Cγ 33.9(2.18); Nε 110.0(7.73, 6.71)
A66	126.2(8.45)	177.1	51.8(4.70)	18.6(1.09)	
E67	124.5(8.40)	175.7	56.0(4.42)	29.4(1.82,1.59)	Cγ 34.0(2.05)
E68	117.3(8.53)	174.6	55.0(4.25)	30.9(2.07,1.73)	Cγ 36.0(2.06)
R69	118.1(8.59)	177.6	58.3(4.08)	28.9(1.80)	Cγ 26.5(1.64);Cδ 43.0(3.19)
G70	112.10(8.74)	173.1	45.8(4.36,4.10)		
V71	119.6(8.32)	175.5	60.6(5.09)	33.6(1.77)	Cγ 22.3 (0.67); Cγ 21.5(0.68)
V72	117.5(9.71)	175.3	58.2(5.83)	35.6(2.36)	Cγ 21.7(1.00), Cγ 18.7(1.00)
S73	112.3(8.73)	173.3	56.6(5.14)	66.1(**3.96,3.55**)	

I74	120.4(10.47)	172.2	61.4(4.30)	40.2(1.50)	Cγ 26.9(1.28, 0.48); Cγm 18.0 (0.37); Cδ 11.7(-0.19)
K75	125.2(8.76)	177.0	53.4(4.58)	35.8(**1.59, 1.48**)	Cγ 24.6(0.57,-0.11);Cδ 29.1(1.25);Cε 42.0(2.58, 2.38)
G76	111.7(9.17)	173.9	46.5(**4.20**,**3.34**)		
V77	125.8(7.89)	177.7	66.8(3.29)	31.4(1.78)	Cγ 22.1(0.53); Cγ 20.5(0.82)
S78	113.4(9.32)	176.3	60.9(4.18)	61.8(3.71)	
A79	117.6(8.59)	176.3	52.8(3.85)	19.0 (0.97)	
N80	113.1(8.11)	173.8	52.9(3.98)	36.9(**2.37,3.27**)	Cγ 108.2(7.43, 6.69)
R81	109.9(6.63)	172.9	53.3 (4.66)	37.6(**1.26,0.78**)	Cγ 28.3(1.65,1.15); Cδ 43.0(2.80)
Y82	118.2(9.49)	175.3	56.9(4.87)	40.2(**3.05,2.65**)	Cδ 132.8(6.83);Cε 117.7(6.69)
L83	122.0(9.08)	173.8	55.9(4.04)	42.8(**1.90,1.05**)	Cδ 26.7(0.31); Cδ 25.5(0.78)
A84	125.1(9.01)	174.7	50.1(5.11)	22.3(1.20)	
M85	116.9(7.63)	174.6	53.3(5.36)	35.4(**2.43,2.07**)	Cγ 30.5(3.02,2.61); Cε15.7(2.13)
K86	119.6(8.40)	175.8	52.8(4.79)	31.5(**2.09,1.93**)	Cγ 23.3(1.27,1.47);Cδ 24.9(1.56); Cε 40.3(3.31,2.77)
E87	115.7(8.66)	175.0	58.1(-)	28.6(1.25)	Cγ 34.9(2.20)
D88	114.1(7.81)	176.6	51.9(4.57)	39.9(**2.54,2.99**)	
G89	106.9(8.53)	173.6	44.2(3.62,3.39)		
R90	116.4(7.41)	173.7	56.6(3.98)	30.5(**1.39,1.68**)	Cγ 27.1(1.70);Cδ 43.2(3.28, 3.08)
L91	-	174.9	52.3(5.23)	43.0(0.92)	Cγ– (1.48);Cδ 25.9(0.93);Cδ 23.1(0.91)
L92	118.7(8.64)	173.4	54.0(4.49)	44.5(**1.71,1.42**)	Cγ –(1.40);Cδ 25.6(0.78);Cδ 23.9(0.78)
A93	120.6(8.76)	176.4	49.8(5.31)	21.9(0.93)	
S94	119.3(9.74)	175.1	56.0(4.67)	65.3(3.79)	
K95	124.0(9.37)	175.7	59.4(4.24)	32.6(**1.96,1.82**)	Cγ 25.2(1.58,1.50);Cδ 29.0(1.75);Cε 41.5(2.99)
S96	108.5(7.68)	172.5	55.8(4.72)	64.8(3.68, 3.59)	
V97	120.8(8.35)	175.3	62.8(3.60)	30.6(1.27)	Cγ 21.1(0.44); Cγ 20.3(-0.06)

T98	117.4(7.24)	173.9	58.7(4.65)	71.9(4.50)	Cγ 20.7(0.99)
D99	115.4(8.77)	177.1	55.6(4.25)	38.9(2.67)	
E100	117.1(7.69)	176.7	57.1(4.09)	29.9(**2.90,1.67**)	Cγ 38.4(2.51,2.30)
C101	113.4(7.66)	172.6	57.6(5.22)	27.4(**3.07,2.52**)	
F102	113.1(6.39)	174.6	56.1(5.09)	41.1(**2.35,2.21**)	Cδ 130.2(6.76);Cε 131.2(6.97);Cζ 129.6(6.95)
F103	119.0(9.38)	174.6	56.2(4.98)	42.8(**2.89,2.63**)	Cδ 131.3(6.90);Cε 130.1(7.14);Cζ 128.8(6.97)
F104	120.0(10.23)	175.6	57.2(5.27)	39.3(**3.07,2.86**)	Cδ 131.7(7.08);Cε 130.6(7.26);Cζ 130.8(7.39)
E105	126.9(8.65)	174.9	54.1(4.97)	32.1(**2.18,1.85**)	Cγ 37.2(1.78)
R106	127.5(8.50)	173.3	54.0(4.73)	33.6(1.83,1.57)	Cγ 27.2(1.60,1.43);Cδ 43.1(3.17)
L107	124.9(8.32)	176.3	54.9(4.76)	42.2(**1.69,1.38**)	Cγ 25.6(1.58);Cδ 23.3(0.84)
E108	126.2(9.36)	176.2	55.0(4.64)	29.9(**2.12,1.89**)	Cγ 35.3(2.25)
S109	111.3(8.31)	174.2	58.9(4.33)	63.2(3.87)	
N110	116.6(8.69)	173.6	53.8(4.43)	37.2(2.99)	Nδ 109.2(7.55, 6.45)
N111	106.3(8.38)	173.2	55.2(4.21)	37.1(**2.88,3.00**)	Nδ 110.6(7.33, 6.84)
Y112	116.0(7.77)	173.7	58.7(4.50)	40.2(**2.77,3.14**)	Cδ 133.6(7.07); Cε 118.0(6.81)
N113	116.9(9.72)	174.8	51.1(5.97)	42.2(**2.38,2.78**)	Nδ 104.7(6.71, 6.21)
T114	104.9(8.69)	173.0	59.1(5.12)	72.7(4.54)	Cγ 21.8(1.23)
Y115	117.7(10.62)	173.0	57.6(5.19)	39.5(**2.26,2.46**)	Cδ 131.5(6.65); Cε 117.7(6.55)
R116	124.3(8.72)	176.0	53.8(4.85)	34.7(1.89,1.58)	Cγ 26.0;Cδ 42.8
S117	118.6(8.79)	173.0	59.1(3.90)	62.2(**4.60,4.15**)	
R118	121.5(7.43)	174.9	56.7(3.93)	30.8(**1.36,0.41**)	Cγ 26.2(1.37, 1.30);Cδ 43.7(2.83, 2.31)
K119	116.5(7.50)	175.7	56.7(3.84)	34.1(**0.75,1.09**)	Cγ 24.8(0.53,0.32);Cδ 29.2(1.13); Cε 42.0(2.80, 2.72)
Y120	121.0(7.97)	176.1	54.9 (4.40)	36.5(**1.96,2.70**)	Cδ 133.1(6.75); Cε 117.1(6.95)
T121	102.2(6.69)	176.0	64.2(4.59)	69.1(4.24)	Cγ 22.0(1.19)
S122	114.3(8.10)	172.6	57.9 (4.68)	63.4(**4.01,3.76**)	
W123	119.9(8.27)	173.9	54.1 (5.18)	33.1(**2.86,3.70**)	Cδ2 124.1(6.78) Cζ3 -(6.60);Cζ2 113.5(7.35);

					Cη 124.3(7.05);Nε1 125.3(10.06)
Y124	117.6(8.29)	176.3	56.6 (5.36)	41.4(**3.48,2.52**)	Cγ 133.6(7.28); Cε 117.2(6.75)
V125	120.0(8.66)	176.3	63.7(3.69)	32.2 (1.85)	Cγ 23.4 (0.29); Cγ 20.3(0.43)
A126	127.0(8.77)	175.4	51.6 (5.34)	25.7 (1.24)	
L127	114.7(7.81)	175.8	53.1 (4.82)	44.7(**1.02,2.16**)	Cγ -(1.64);Cδ 26.9(0.72);20.9(0.60)
K128	115.1(8.52)	177.6	55.6(4.19)	35.0(**2.00,1.63**)	Cγ 25.2
R129	117.00(9.15)	175.4	57.6 (4.07)	28.9(1.80)	Cγ 26.4(1.56);Cδ 43.1(3.12)
T130	102.3(6.71)	175.9	60.6(4.17)	69.6(4.39)	Cγ 21.9(1.15)
G131	110.7(7.70)	171.4	43.8(**3.09,1.73**)		
Q132	113.0(6.49)	175.5	53.0(4.60)	29.7(**1.90,1.31**)	Cγ 33.2 (2.18); Nε 112.5(7.55, 6.95)
Y133	115.6(8.51)	172.5	57.9(4.85)	38.1(**2.59,3.38**)	Cδ 133.9(7.13); Cε 117.6(6.92)
K134	121.2(8.11)	173.9	53.6 (4.19)	35.0(**1.54,1.08**)	Cγ 25.2(1.29);Cδ 30.5(1.29,1.17);Cε - (2.75)
L135	125.1(8.56)	179.8	55.3 (3.98)	42.6(**1.22,1.41**)	Cγ 27.3 (1.57);Cδ 24.2 (0.82),23.9 (0.82)
G136	108.1(9.71)	174.7	46.5(3.86,3.60)		
S137	108.2(6.31)	174.6	58.0 (3.18)	61.8 (**2.78,3.74**)	
K138	118.1(7.73)	176.5	54.3(4.57)	31.9(**2.04,1.65**)	Cγ 24.6 (1.37,1.25);Cδ 27.9(1.58); Cε 41.8(2.89,2.82)
T139	108.1(7.39)	173.5	60.8(4.88)	72.7(4.11)	Cγ 22.4(1.34)
G140	128.7(6.57)	168.5	44.9(4.34)		
P141	-	177.4	62.7(4.02)	31.8(**2.27,1.88**)	Cγ 27.0(2.07);Cδ 49.3(3.85)
G142	107.8(8.57)	173.8	45.0(**3.96,3.59**)		
Q143	115.5(6.68)	176.6	54.8(4.22)	28.7(**2.21,1.82**)	Cγ 32.8(2.35)
K144	122.1(8.88)	177.2	59.1(3.70)	32.0(**1.24,1.57**)	Cγ 25.5(1.57,1.41);Cδ 29.1(1.50);Cε 41.2(2.90)
A145	112.2(7.74)	175.0	54.0(3.96)	20.9(1.33)	
I146	99.0(6.12)	175.0	59.3(5.07)	38.1(2.33)	Cγ 24.3(1.37);Cγm 17.3(0.73);Cδ 13.5(0.17)
L147	119.7(6.97)	175.42	53.7(4.73)	42.2(**0.88,1.68**)	Cγ - (0.88);Cδ 22.0(0.66), 26.3(0.53)
F148	118.7(9.77)	174.1	56.2(5.56)	43.9(**2.65,3.09**)	Cδ 131.6(7.19);Cε 130.6(7.32);Cζ 128.8(6.95)

L149	126.4(10.24)	174.9	51.0(4.96)	44.4(**1.92,0.87**)	Cγ 26.5(1.23); Cδ 25.4(0.62);23.8(0.56)
P150	-	176.0	61.3(5.19)	30.4(1.95)	Cγ 27.7(2.22,1.97);Cδ 51.1(4.40, 3.85)
M151	123.1(9.44)	174.9	54.2(4.67)	36.2(**2.27,1.82**)	Cγ 31.7(2.68,2.42);Cε 16.7(1.88)
S152	113.5(8.73)	174.7	58.9(4.33)	63.2(**3.79,3.97**)	
A153	125.0(8.46)	175.6	51.0(4.36)	18.7(1.10)	
K154	117.6(8.01)	175.4	56.4(4.17)	32.8(**1.77,1.64**)	Cγ 24.4(1.36);Cδ 28.7(2.22);Cε 41.6(2.92)
S155	119.7(7.82)	178.2	59.7(4.11)	64.3(3.75)	

Footnotes to Table 1

[a]In each column, ^{15}N and ^{13}C shifts are listed first, and the corresponding ^{1}H shifts are given in parentheses. ^{1}H and ^{13}C chemical shifts are reported relative to 3-(trimethylsily)propionic-d_4 acid and ^{15}N shifts relative to external liguid NH_3.