Supplementary Materials

Table S1. The Ct values of fluorescence quantification of stream water samples.

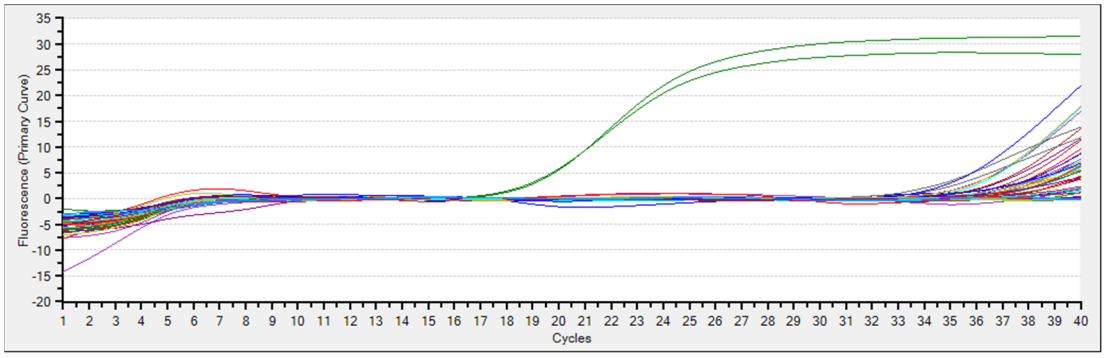
Well	Sample Type	Target Name	Sample Name	Filter	Ct (CP)
B3	Water sample	HM804473.1	XJG1-1	FAM	--
C3	Water sample	HM804473.1	XJG1-1	FAM	--
B4	Water sample	HM804473.1	XJG1-2	FAM	38.01
C4	Water sample	HM804473.1	XJG1-2	FAM	38.92
B5	Water sample	HM804473.1	XJG1-3	FAM	38.02
C5	Water sample	HM804473.1	XJG1-3	FAM	38.91
B6	Water sample	HM804473.1	XJG2-1	FAM	39.09
C6	Water sample	HM804473.1	XJG2-1	FAM	--
B7	Water sample	HM804473.1	XJG2-2	FAM	38.53
C7	Water sample	HM804473.1	XJG2-2	FAM	38.38
B8	Water sample	HM804473.1	XJG2-3	FAM	38.97
C8	Water sample	HM804473.1	XJG2-3	FAM	38.64
B9	Water sample	HM804473.1	XJG3-1	FAM	38.4
C9	Water sample	HM804473.1	XJG3-1	FAM	38.87
B10	Water sample	HM804473.1	XJG3-2	FAM	--
C10	Water sample	HM804473.1	XJG3-2	FAM	--
D3	Water sample	HM804473.1	XJG3-3	FAM	38.8
E3	Water sample	HM804473.1	XJG3-3	FAM	38.87
D4	Water sample	HM804473.1	TBH16-1	FAM	33.38
E4	Water sample	HM804473.1	TBH16-1	FAM	32.66
D5	Water sample	HM804473.1	TBH16-2	FAM	33.08
E5	Water sample	HM804473.1	TBH16-2	FAM	32.97
D6	Water sample	HM804473.1	TBH16-3	FAM	37.03
E6	Water sample	HM804473.1	TBH16-3	FAM	36.72
D7	Water sample	HM804473.1	TBH17-1	FAM	32.37
E7	Water sample	HM804473.1	TBH17-1	FAM	32.41
D8	Water sample	HM804473.1	TBH17-2	FAM	39.38
E8	Water sample	HM804473.1	TBH17-2	FAM	37.53
D9	Water sample	HM804473.1	TBH17-3	FAM	37.03
E9	Water sample	HM804473.1	TBH17-3	FAM	37.83
D10	Water sample	HM804473.1	TBH18-1	FAM	35.64
E10	Water sample	HM804473.1	TBH18-1	FAM	36.39
F3	Water sample	HM804473.1	TBH18-2	FAM	35.22
G3	Water sample	HM804473.1	TBH18-2	FAM	35.85
F4	Water sample	HM804473.1	TBH18-3	FAM	35.96
G4	Water sample	HM804473.1	TBH18-3	FAM	37.35
F5	Water sample	HM804473.1	Negative control	FAM	34.29
G5	Water sample	HM804473.1	Negative control	FAM	35.37

G8	Water sample	HM804473.1	Blank control	FAM	--
G9	Water sample	HM804473.1	Blank control	FAM	--
G10	Water sample	HM804473.1	Positive control	FAM	21.48
G11	Water sample	HM804473.1	Positive control	FAM	21.66
B2	Water sample	HM804473.1	HTP19-1	FAM	38.37
C2	Water sample	HM804473.1	HTP19-1	FAM	38.03
B3	Water sample	HM804473.1	HTP19-2	FAM	39.1
C3	Water sample	HM804473.1	HTP19-2	FAM	38.05
B4	Water sample	HM804473.1	HTP19-3	FAM	--
C4	Water sample	HM804473.1	HTP19-3	FAM	--
B5	Water sample	HM804473.1	HTP20-1	FAM	--
C5	Water sample	HM804473.1	HTP20-1	FAM	38.14
B6	Water sample	HM804473.1	HTP20-2	FAM	--
C6	Water sample	HM804473.1	HTP20-2	FAM	--
B7	Water sample	HM804473.1	HTP20-3	FAM	38.45
C7	Water sample	HM804473.1	HTP20-3	FAM	--
B8	Water sample	HM804473.1	SJG6-1	FAM	38.46
C8	Water sample	HM804473.1	SJG6-1	FAM	36.71
B9	Water sample	HM804473.1	SJG6-2	FAM	35.74
C9	Water sample	HM804473.1	SJG6-2	FAM	36.31
D2	Water sample	HM804473.1	SJG6-3	FAM	37.42
E2	Water sample	HM804473.1	SJG6-3	FAM	35.51
D3	Water sample	HM804473.1	SJG9-1	FAM	38.85
E3	Water sample	HM804473.1	SJG9-1	FAM	39.8
D4	Water sample	HM804473.1	SJG9-2	FAM	--
E4	Water sample	HM804473.1	SJG9-2	FAM	38.22
D5	Water sample	HM804473.1	SJG9-3	FAM	--
E5	Water sample	HM804473.1	SJG9-3	FAM	--
D6	Water sample	HM804473.1	SJG7-1	FAM	--
E6	Water sample	HM804473.1	SJG7-1	FAM	--
D7	Water sample	HM804473.1	SJG7-2	FAM	35.56
E7	Water sample	HM804473.1	SJG7-2	FAM	35.53
D8	Water sample	HM804473.1	SJG7-3	FAM	38.98
E8	Water sample	HM804473.1	SJG7-3	FAM	39.28
D9	Water sample	HM804473.1	SJG8-1	FAM	38.66
E9	Water sample	HM804473.1	SJG8-1	FAM	39.5
F2	Water sample	HM804473.1	SJG8-2	FAM	38.03
G2	Water sample	HM804473.1	SJG8-2	FAM	38.64
F3	Water sample	HM804473.1	SJG8-3	FAM	38.54
G3	Water sample	HM804473.1	SJG8-3	FAM	--
F4	Water sample	HM804473.1	SJG5-1	FAM	38.36
G4	Water sample	HM804473.1	SJG5-1	FAM	39.38
F5	Water sample	HM804473.1	SJG5-2	FAM	--

G5	Water sample	HM804473.1	SJG5-2	FAM	38.61
F6	Water sample	HM804473.1	SJG5-3	FAM	--
G6	Water sample	HM804473.1	SJG5-3	FAM	38.66
F7	Water sample	HM804473.1	SJG10-1	FAM	38.89
G7	Water sample	HM804473.1	SJG10-1	FAM	--
F8	Water sample	HM804473.1	SJG10-2	FAM	--
G8	Water sample	HM804473.1	SJG10-2	FAM	--
F9	Water sample	HM804473.1	SJG10-3	FAM	--
G9	Water sample	HM804473.1	SJG10-3	FAM	38.5
B11	Water sample	HM804473.1	Blank control	FAM	--
C11	Water sample	HM804473.1	Blank control	FAM	--
H2	Water sample	HM804473.1	Negative control	FAM	34.82
H3	Water sample	HM804473.1	Negative control	FAM	35.55
H4	Water sample	HM804473.1	Positive control	FAM	19.52
H5	Water sample	HM804473.1	Positive control	FAM	19.36
B2	Water sample	THM804473.1	XJG4-1	FAM	38.69
C2	Water sample	THM804473.1	XJG4-1	FAM	38.82
B3	Water sample	THM804473.1	XJG4-2	FAM	38.03
C3	Water sample	THM804473.1	XJG4-2	FAM	39.14
B4	Water sample	THM804473.1	XJG4-3	FAM	38.1
C4	Water sample	THM804473.1	XJG4-3	FAM	38.87
B5	Water sample	THM804473.1	DJG13-1	FAM	38.37
C5	Water sample	THM804473.1	DJG13-1	FAM	38.41
B6	Water sample	THM804473.1	DJG13-2	FAM	--
C6	Water sample	THM804473.1	DJG13-2	FAM	38.05
B7	Water sample	THM804473.1	DJG13-3	FAM	38.06
C7	Water sample	THM804473.1	DJG13-3	FAM	38.62
B8	Water sample	THM804473.1	DJG14-1	FAM	38.42
C8	Water sample	THM804473.1	DJG14-1	FAM	--
B9	Water sample	THM804473.1	DJG14-2	FAM	38.15
C9	Water sample	THM804473.1	DJG14-2	FAM	38.59
D2	Water sample	THM804473.1	DJG14-3	FAM	38.7
E2	Water sample	THM804473.1	DJG14-3	FAM	38.62
D3	Water sample	THM804473.1	DJG15-1	FAM	39.31
E3	Water sample	THM804473.1	DJG15-1	FAM	38.39
D4	Water sample	THM804473.1	DJG15-2	FAM	--
E4	Water sample	THM804473.1	DJG15-2	FAM	38.51
D5	Water sample	THM804473.1	DJG15-3	FAM	--
E5	Water sample	THM804473.1	DJG15-3	FAM	--
D6	Water sample	THM804473.1	HTP21-1	FAM	38.46
E6	Water sample	THM804473.1	HTP21-2	FAM	--
D7	Water sample	THM804473.1	HTP21-3	FAM	38.09
E7	Water sample	THM804473.1	HTP21-4	FAM	38.86

D8	Water sample	THM804473.1	HTP21-5	FAM	--
E8	Water sample	THM804473.1	HTP21-6	FAM	--
D9	Water sample	THM804473.1	NWH11-1	FAM	38.5
E9	Water sample	THM804473.1	NWH11-1	FAM	--
F2	Water sample	THM804473.1	NWH11-2	FAM	--
G2	Water sample	THM804473.1	NWH11-2	FAM	--
F3	Water sample	THM804473.1	NWH11-3	FAM	38.71
G3	Water sample	THM804473.1	NWH11-3	FAM	--
F4	Water sample	THM804473.1	HXZ22-1	FAM	--
G4	Water sample	THM804473.1	HXZ22-1	FAM	--
F5	Water sample	THM804473.1	HXZ22-2	FAM	38.89
G5	Water sample	THM804473.1	HXZ22-2	FAM	38.41
F6	Water sample	THM804473.1	HXZ22-3	FAM	--
G6	Water sample	THM804473.1	HXZ22-3	FAM	39.28
F7	Water sample	THM804473.1	MRD12-1	FAM	--
F8	Water sample	THM804473.1	MRD12-1	FAM	39.3
G7	Water sample	THM804473.1	MRD12-2	FAM	--
G8	Water sample	THM804473.1	MRD12-2	FAM	38.83
F9	Water sample	THM804473.1	MRD12-3	FAM	--
G9	Water sample	THM804473.1	MRD12-3	FAM	--
B11	Water sample	THM804473.1	Negative control	FAM	34.57
C11	Water sample	THM804473.1	Negative control	FAM	35.28
D11	Water sample	THM804473.1	Positive control	FAM	18.83
E11	Water sample	THM804473.1	Positive control	FAM	18.97
H2	Water sample	THM804473.1	Blank control	FAM	--
H3	Water sample	THM804473.1	Blank control	FAM	--

(A)



(B)

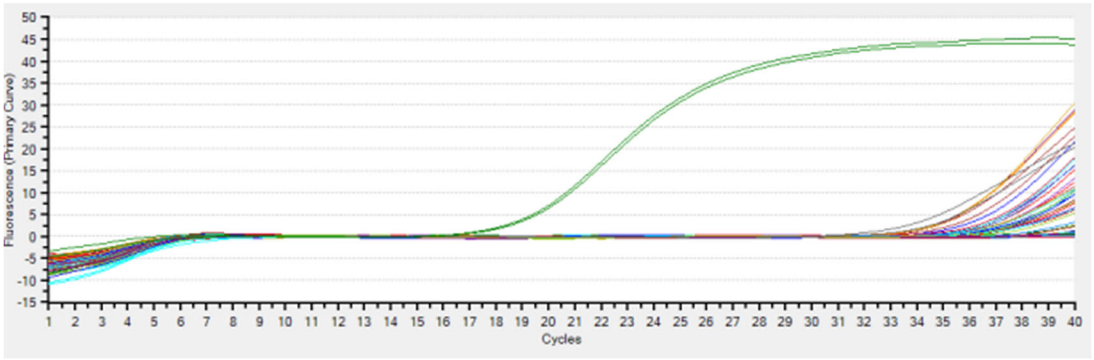


Figure S1. Amplification curves of *H. bleekeri* eDNA using TaqMan probe. Green curves indicate positive control. (**A**) and (**B**) are amplification curves of two batches of 96-well plate.