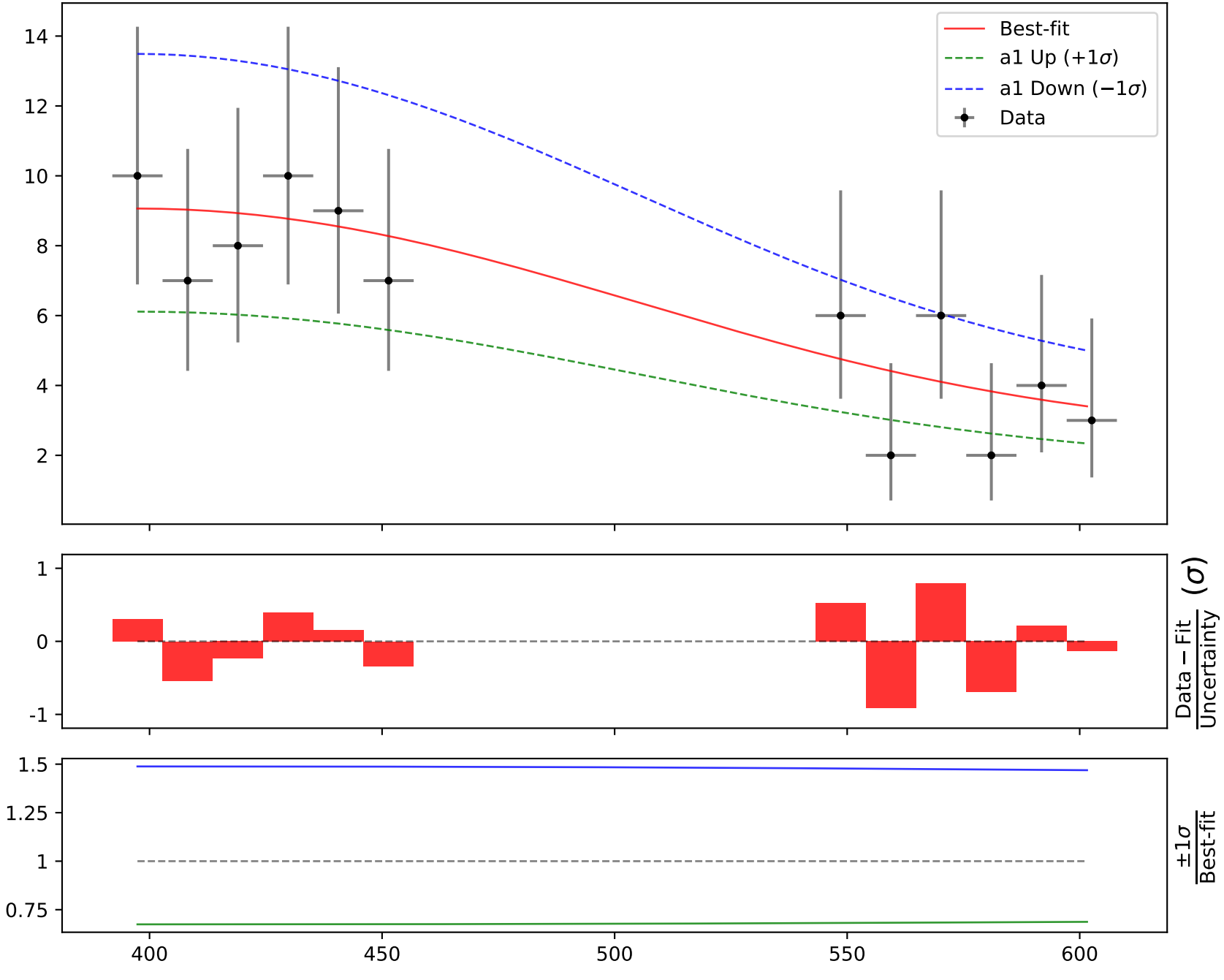
Candidate function #7

1.0*(a2 + a3**(a1 + tanh(((x0 - 397.4) * 0.00487329)**2)))

a1 = $-1.6191^{+0.301(18.6\%)}_{-0.301(18.6\%)}$, $a2 = 0.211$,
$a3 = 0.260049^{+0.0724(27.8\%)}_{-0.0724(27.8\%)}$

Candidate #7
χ^2/NDF = 3.02/10, RMSE = 1.41, R2 = 0.7399



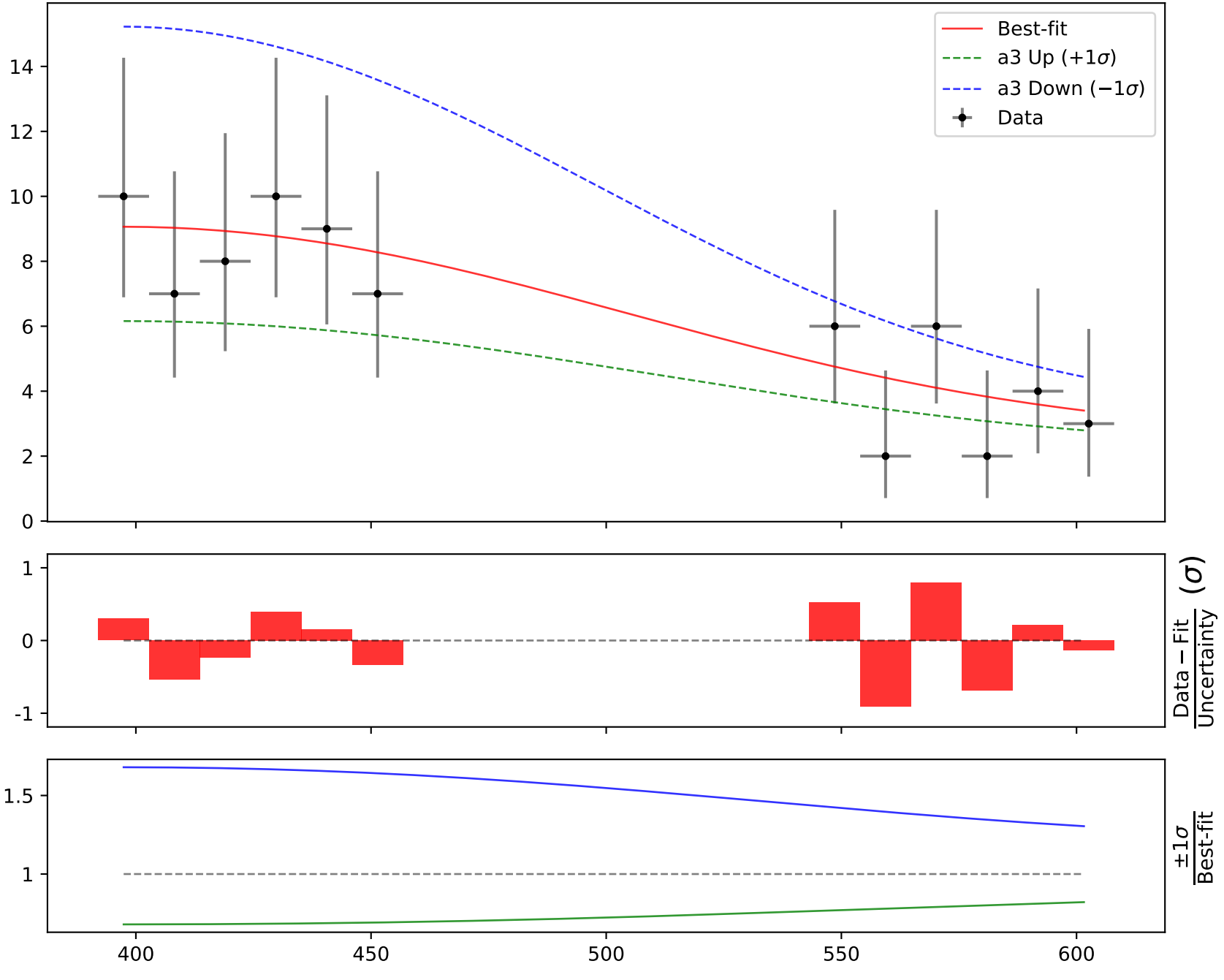
1.0*(a2 + a3**(a1 + tanh(((x0 - 397.4) * 0.00487329)**2)))

$a1 = -1.6191^{+0.301(18.6\%)}_{-0.301(18.6\%)}$, $a2 = 0.211$,

$a3 = 0.260049^{+0.0724(27.8\%)}_{-0.0724(27.8\%)}$

Candidate #7

χ^2/NDF = 3.02/10, RMSE = 1.41, R2 = 0.7399



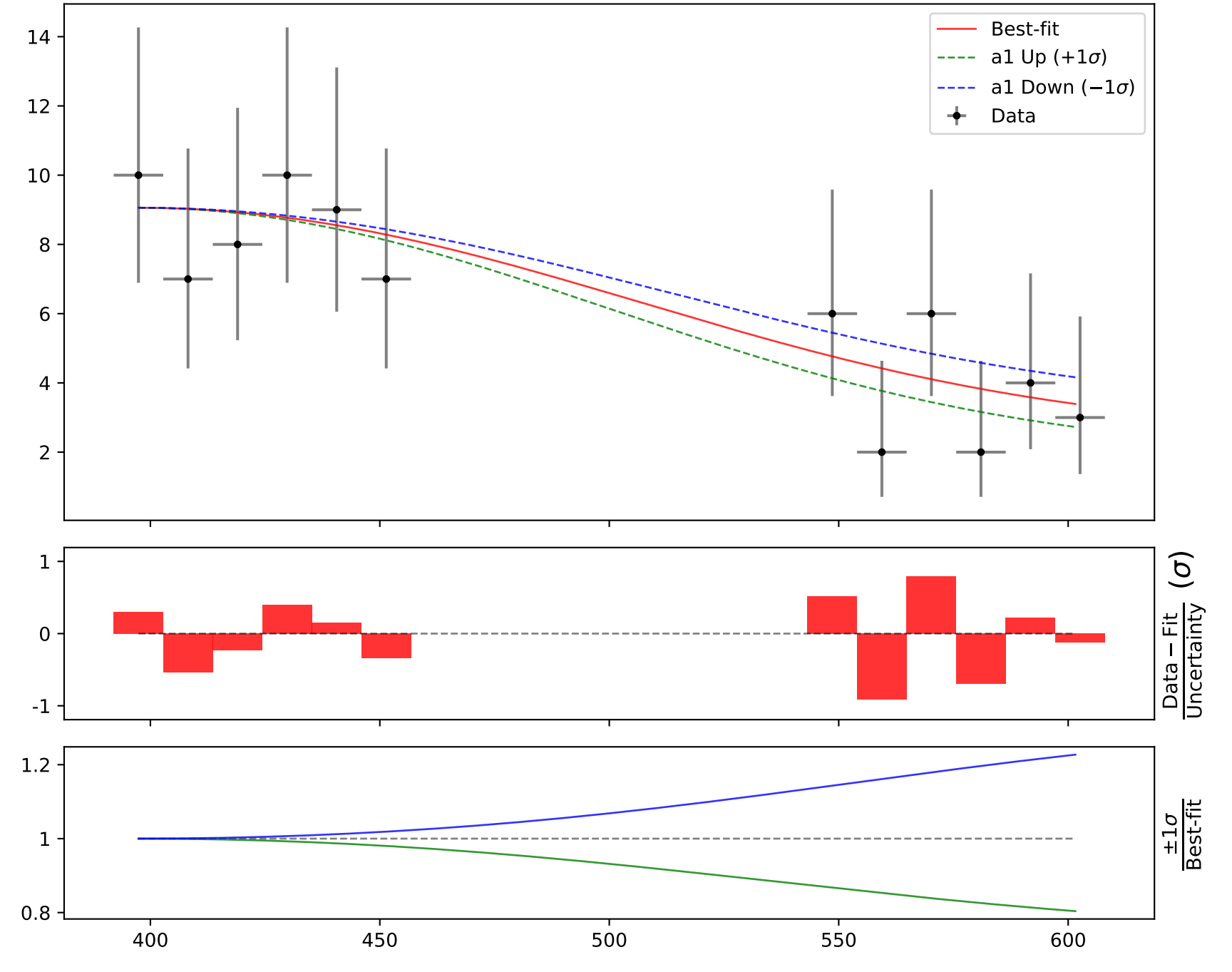
Candidate function #6

1.0*(a2/a1**tanh(((x0 - 397.4) * 0.00487329)**2))

$\mathbf{a1 = 3.65946^{+1.223(33.4\%)}_{-0.8664(23.7\%)}}$, $a2 = 9.05972^{+0.8597(9.49\%)}_{-0.8489(9.37\%)}$

Candidate #6

χ^2/NDF = 3.018/10, RMSE = 1.409, R2 = 0.7401

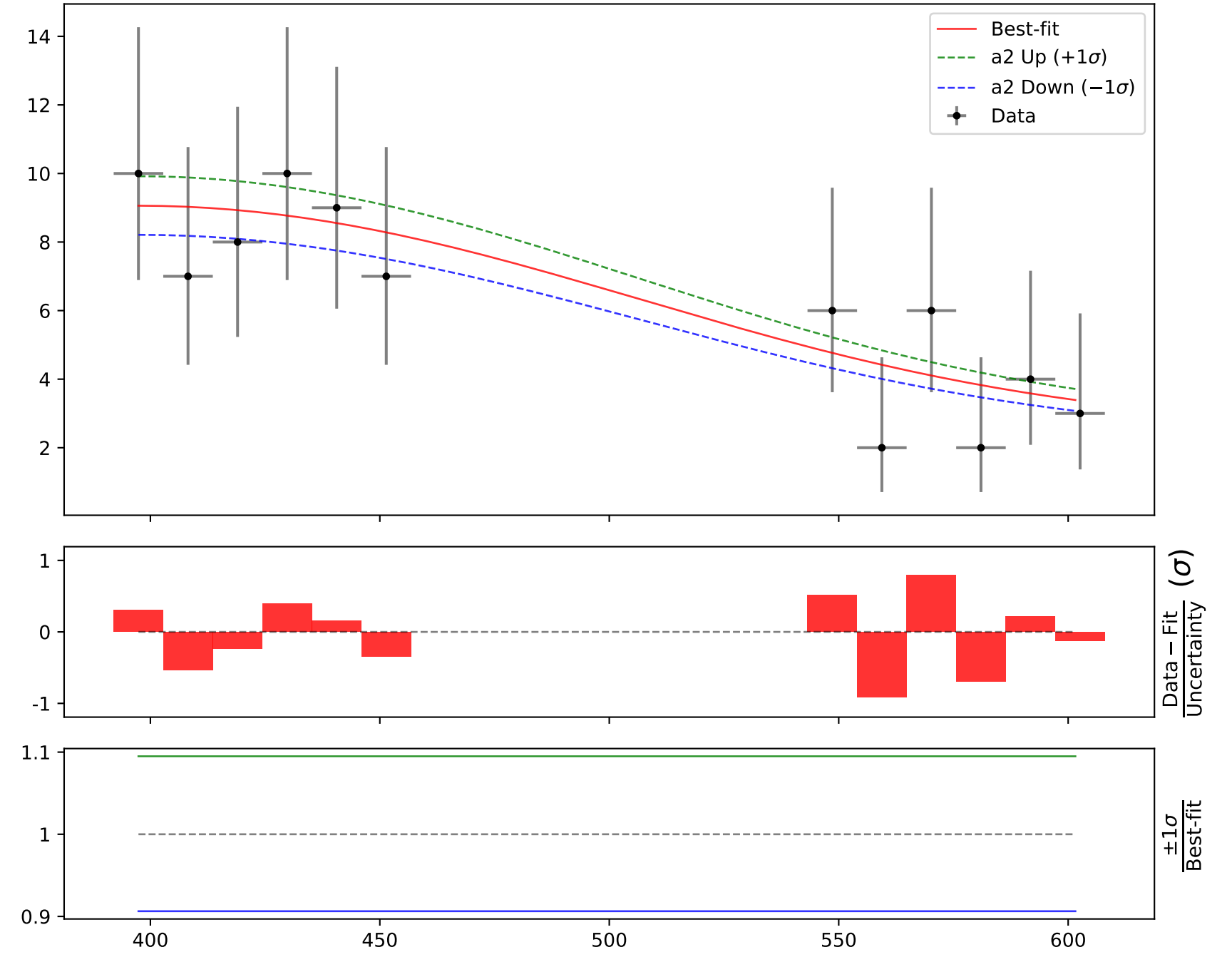


1.0*(a2/a1**tanh(((x0 - 397.4) * 0.00487329)**2))

$a1 = 3.65946^{+1.223(33.4\%)}_{-0.8664(23.7\%)}$, **$a2 = 9.05972^{+0.8597(9.49\%)}_{-0.8489(9.37\%)}$**

Candidate #6

χ^2/NDF = 3.018/10, RMSE = 1.409, R2 = 0.7401



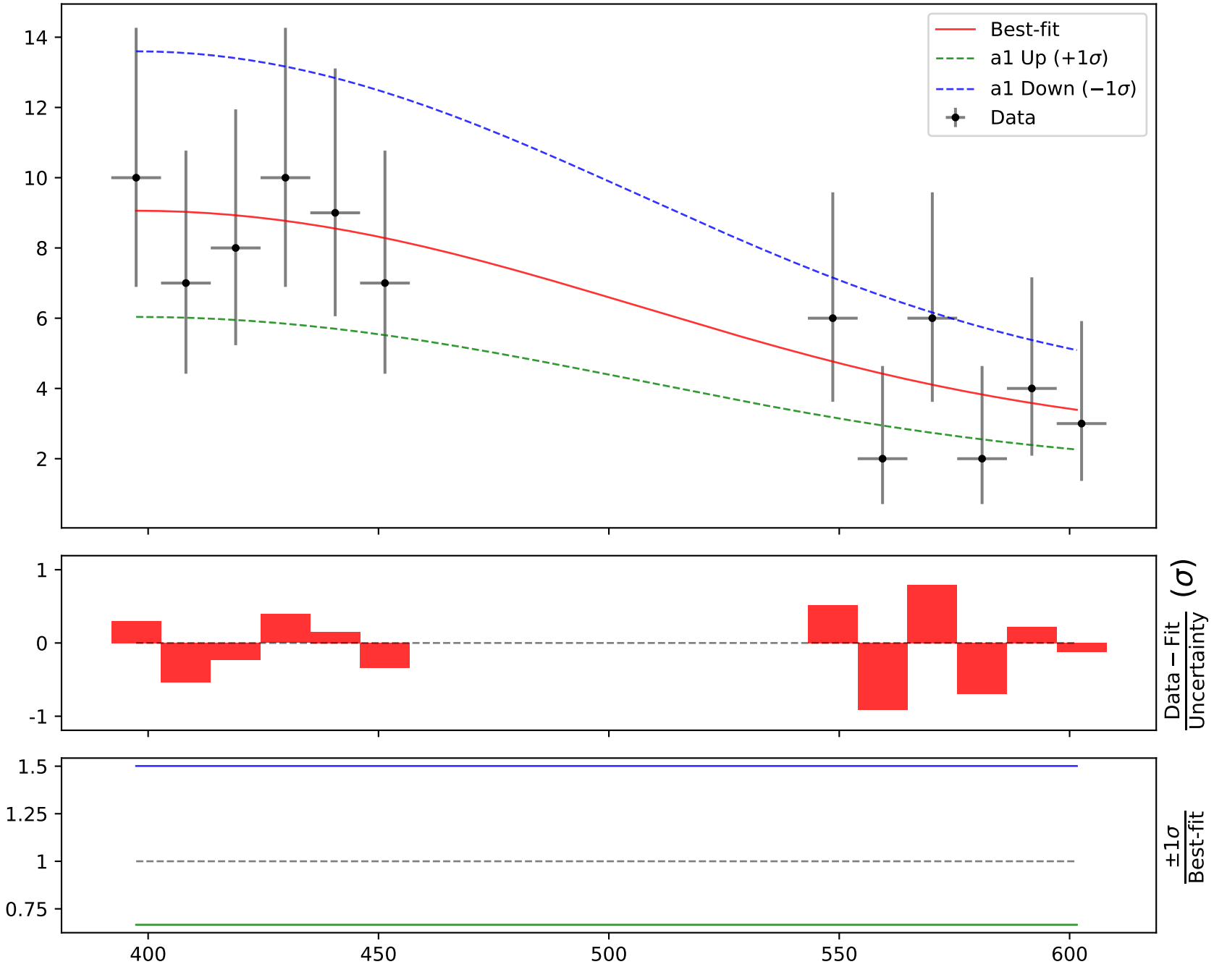
Candidate function #5

1.0*(a2**(a1 + tanh(((x0 - 397.4) * 0.00487329)**2)))

a1 $= -1.69877^{+0.313(18.4\%)}_{-0.313(18.4\%)}$, a2 $= 0.273265^{+0.0726(26.6\%)}_{-0.0726(26.6\%)}$

Candidate #5

χ^2/NDF = 3.018/10, RMSE = 1.409, R2 = 0.7401

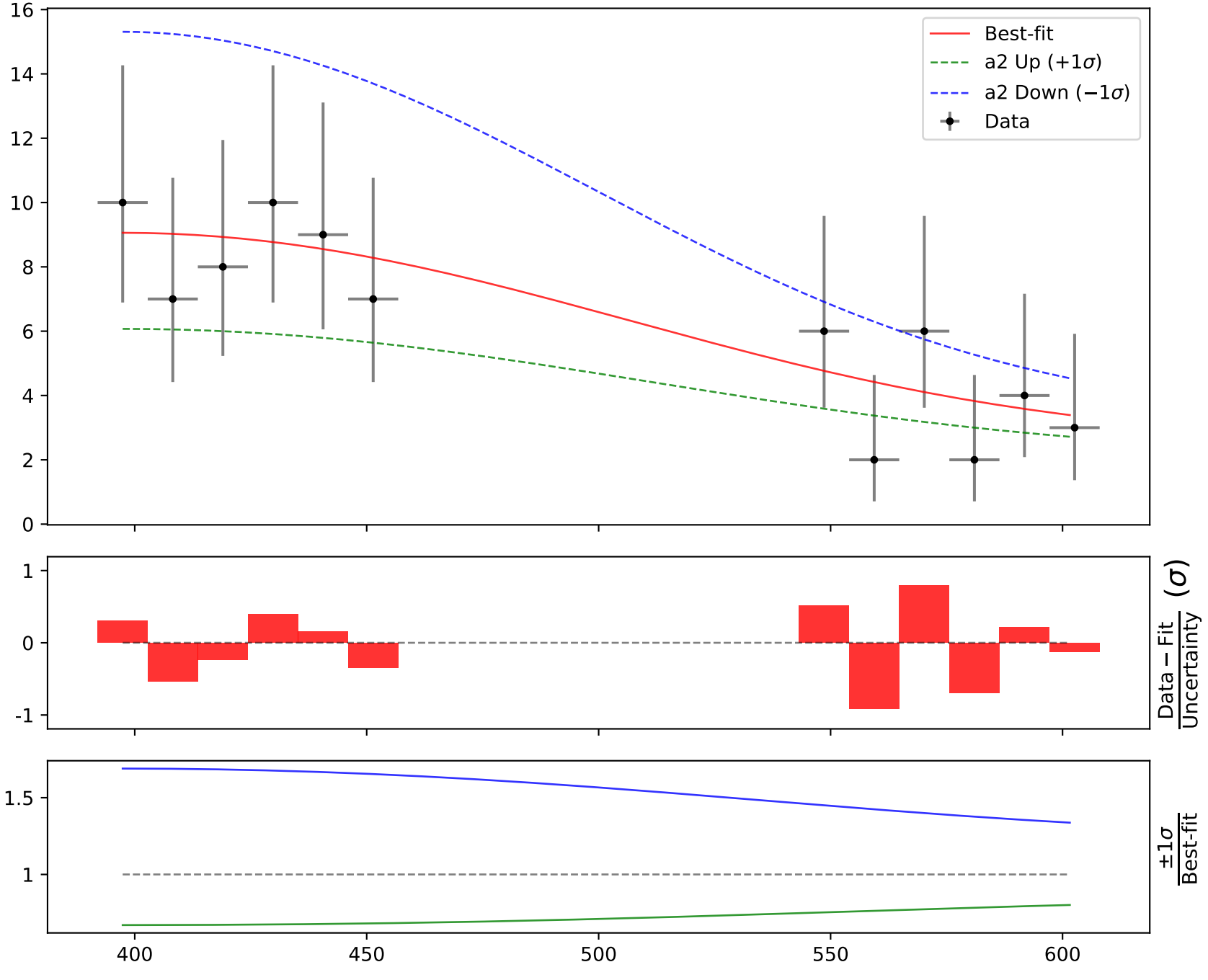


1.0*(a2**(a1 + tanh(((x0 - 397.4) * 0.00487329)**2)))

$a1 = -1.69877^{+0.313(18.4\%)}_{-0.313(18.4\%)}$, $\mathbf{a2 = 0.273265^{+0.0726(26.6\%)}_{-0.0726(26.6\%)}}$

Candidate #5

χ^2/NDF = 3.018/10, RMSE = 1.409, R2 = 0.7401



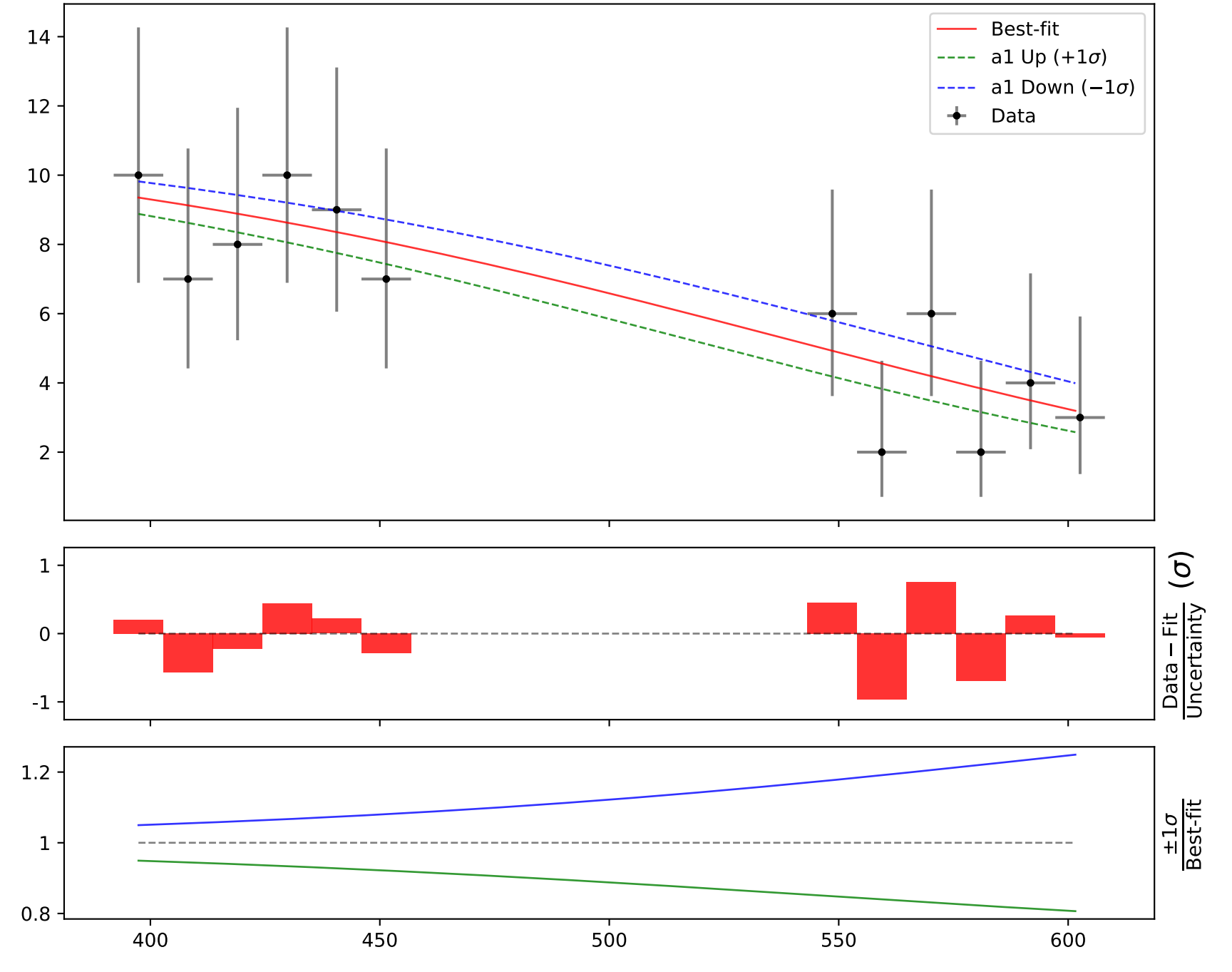
Candidate function #4

1.0*(a2**tanh(a1 + ((x0 - 397.4) * 0.00487329)))

a1 = $-1.50605^{+0.1067(7.09\%)}_{-0.1232(8.18\%)}$, a2 = $0.0848372^{+0.0136(16.0\%)}_{-0.01142(13.5\%)}$

Candidate #4

χ^2/NDF = 3.012/10, RMSE = 1.408, R2 = 0.7406

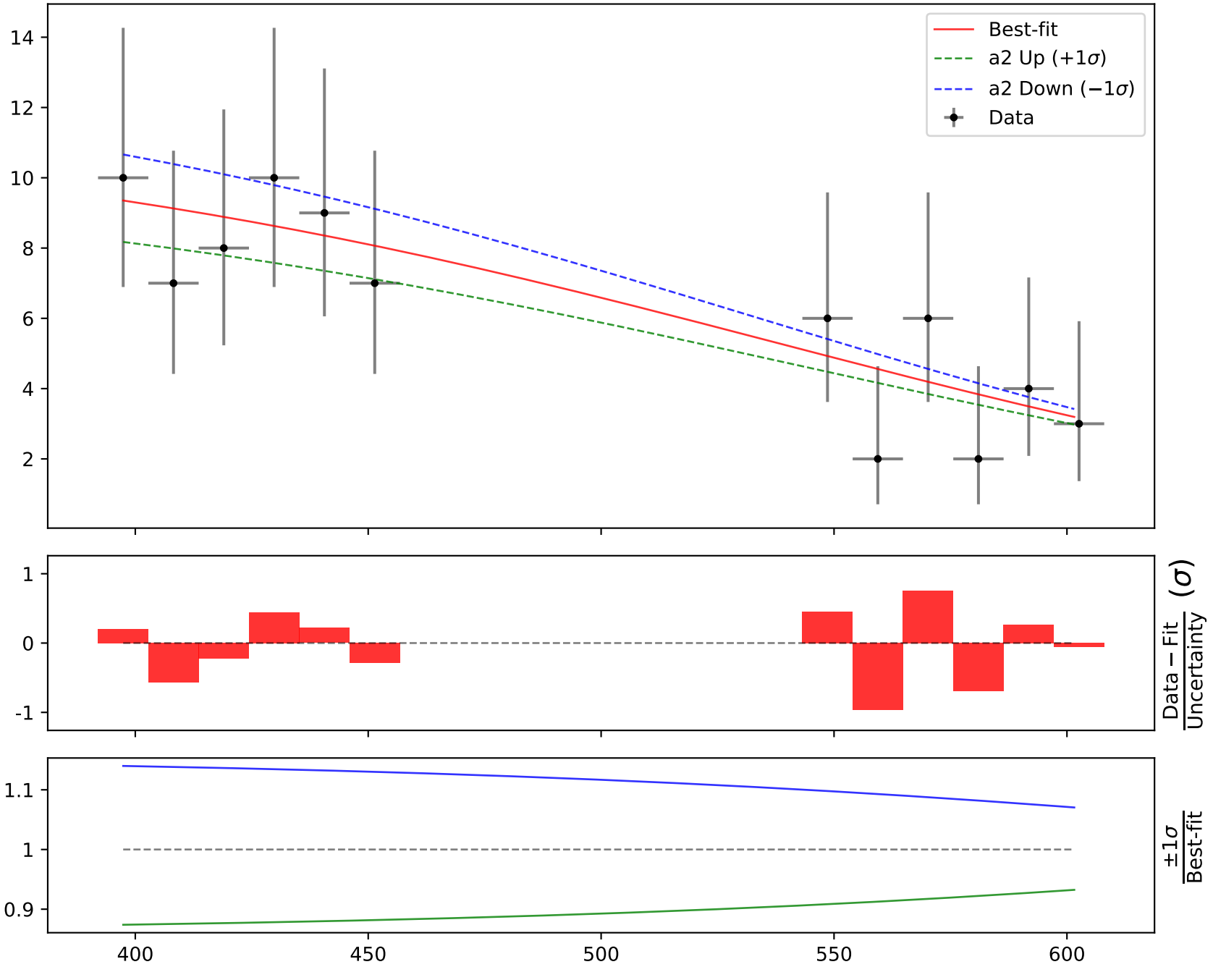


1.0*(a2**tanh(a1 + ((x0 - 397.4) * 0.00487329)))

$a1 = -1.50605^{+0.1067(7.09\%)}_{-0.1232(8.18\%)}$, $\mathbf{a2 = 0.0848372^{+0.0136(16.0\%)}_{-0.01142(13.5\%)}}$

Candidate #4

χ^2/NDF = 3.012/10, RMSE = 1.408, R2 = 0.7406



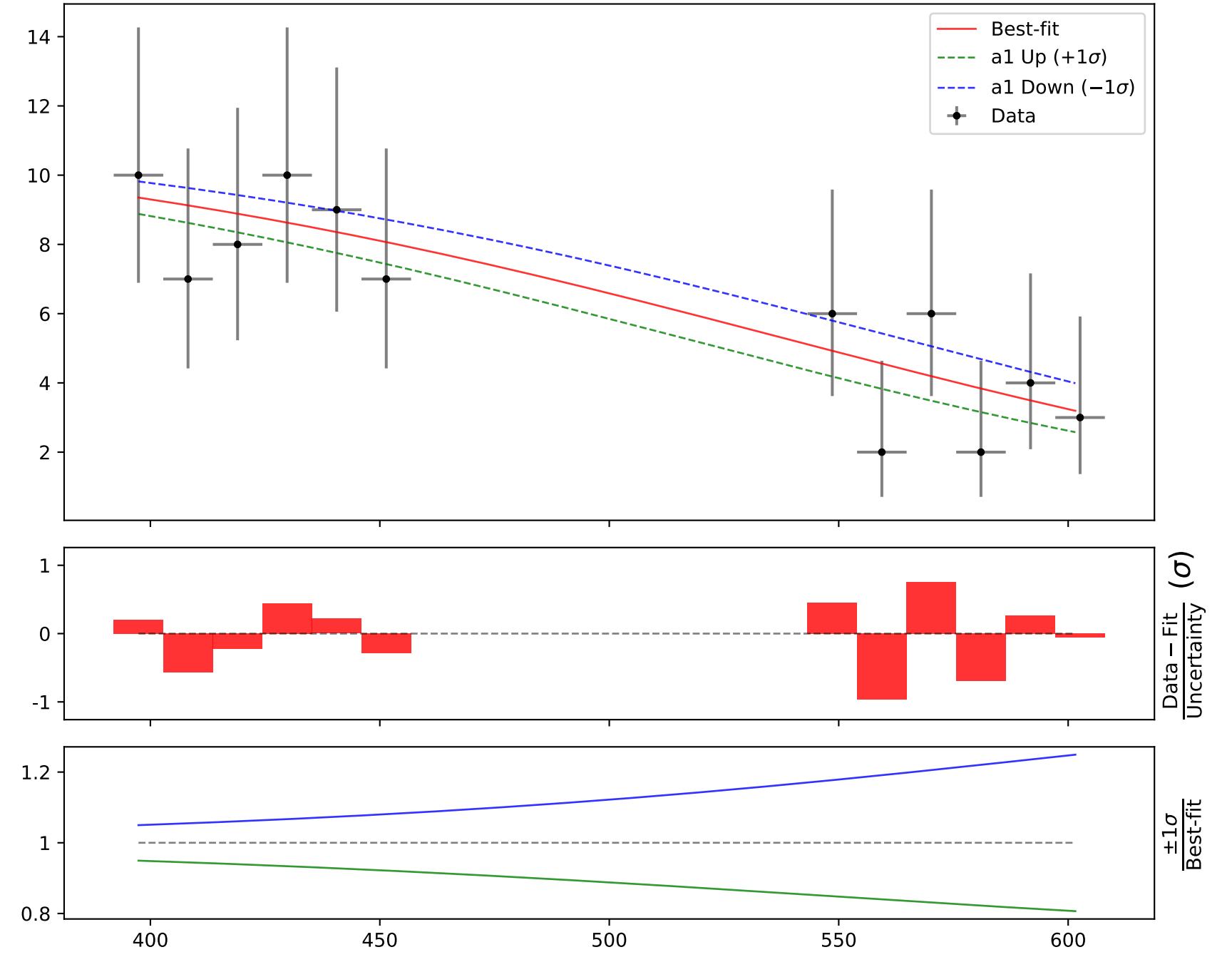
Candidate function #3

1.0*(a2**tanh(a1 + ((x0 - 397.4) * 0.00487329)))

a1 = $-1.50605^{+0.1067(7.09\%)}_{-0.1232(8.18\%)}$, a2 = $0.0848372^{+0.0136(16.0\%)}_{-0.01142(13.5\%)}$

Candidate #3

χ^2/NDF = 3.012/10, RMSE = 1.408, R2 = 0.7406

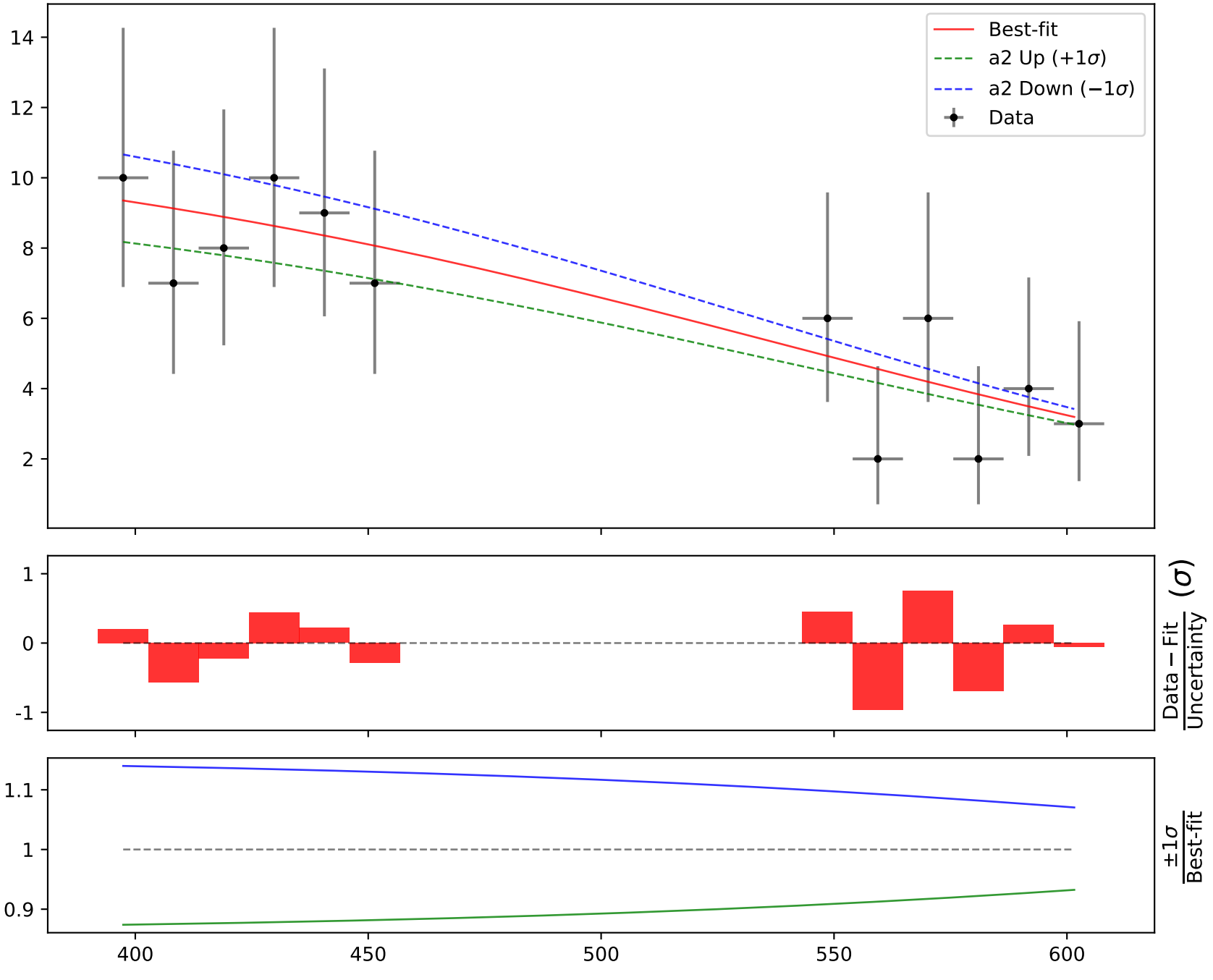


1.0*(a2**tanh(a1 + ((x0 - 397.4) * 0.00487329)))

$a1 = -1.50605^{+0.1067(7.09\%)}_{-0.1232(8.18\%)}$, $\mathbf{a2 = 0.0848372^{+0.0136(16.0\%)}_{-0.01142(13.5\%)}}$

Candidate #3

χ^2/NDF = 3.012/10, RMSE = 1.408, R2 = 0.7406



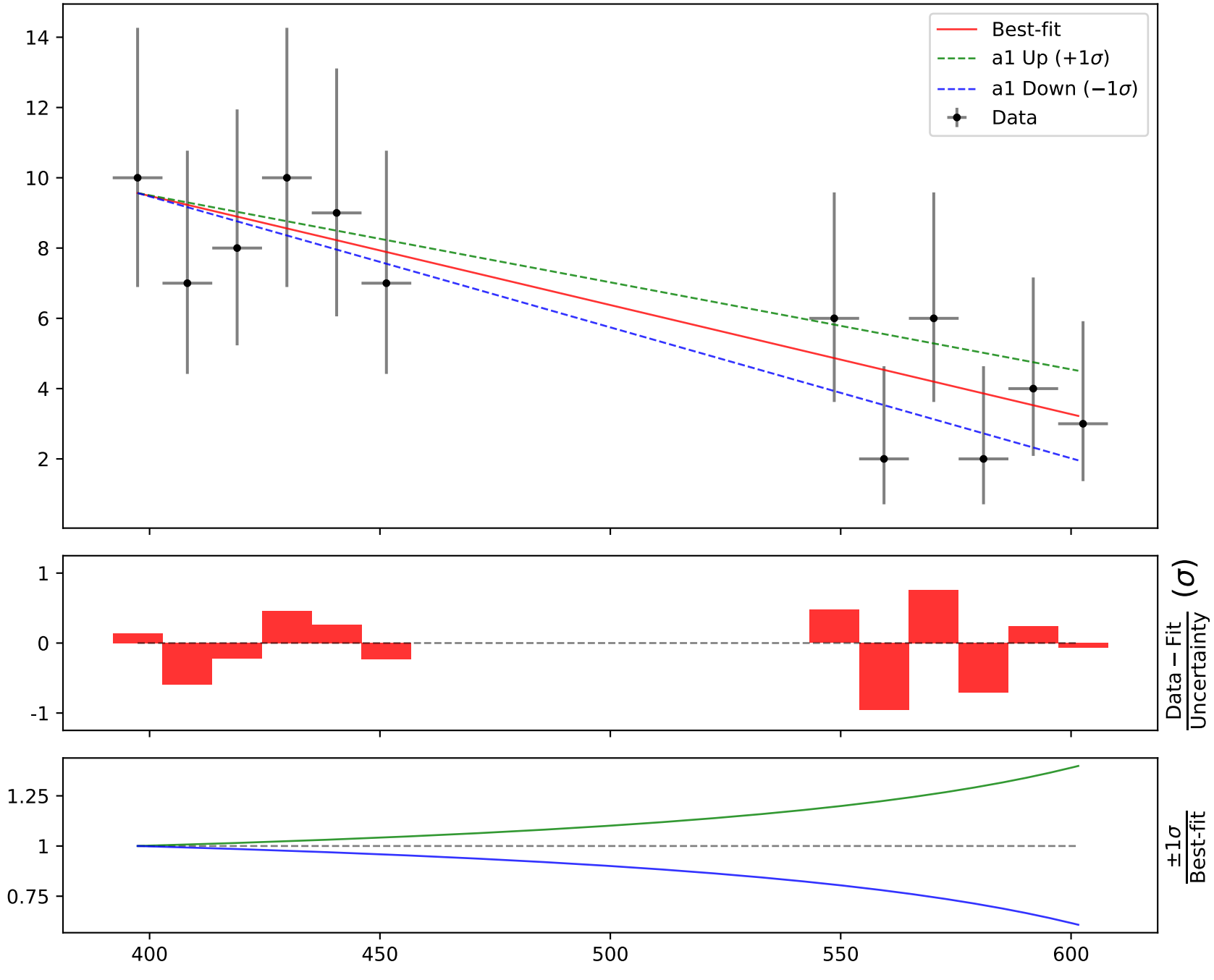
Candidate function #2

1.0*(a1*((x0 - 397.4) * 0.00487329) + a2)

a1 $= -6.37461^{+1.292(20.3\%)}_{-1.271(19.9\%)}$, a2 $= 9.56559^{+0.9438(9.87\%)}_{-0.9267(9.69\%)}$

Candidate #2

χ^2/NDF = 3.046/10, RMSE = 1.417, R2 = 0.7371

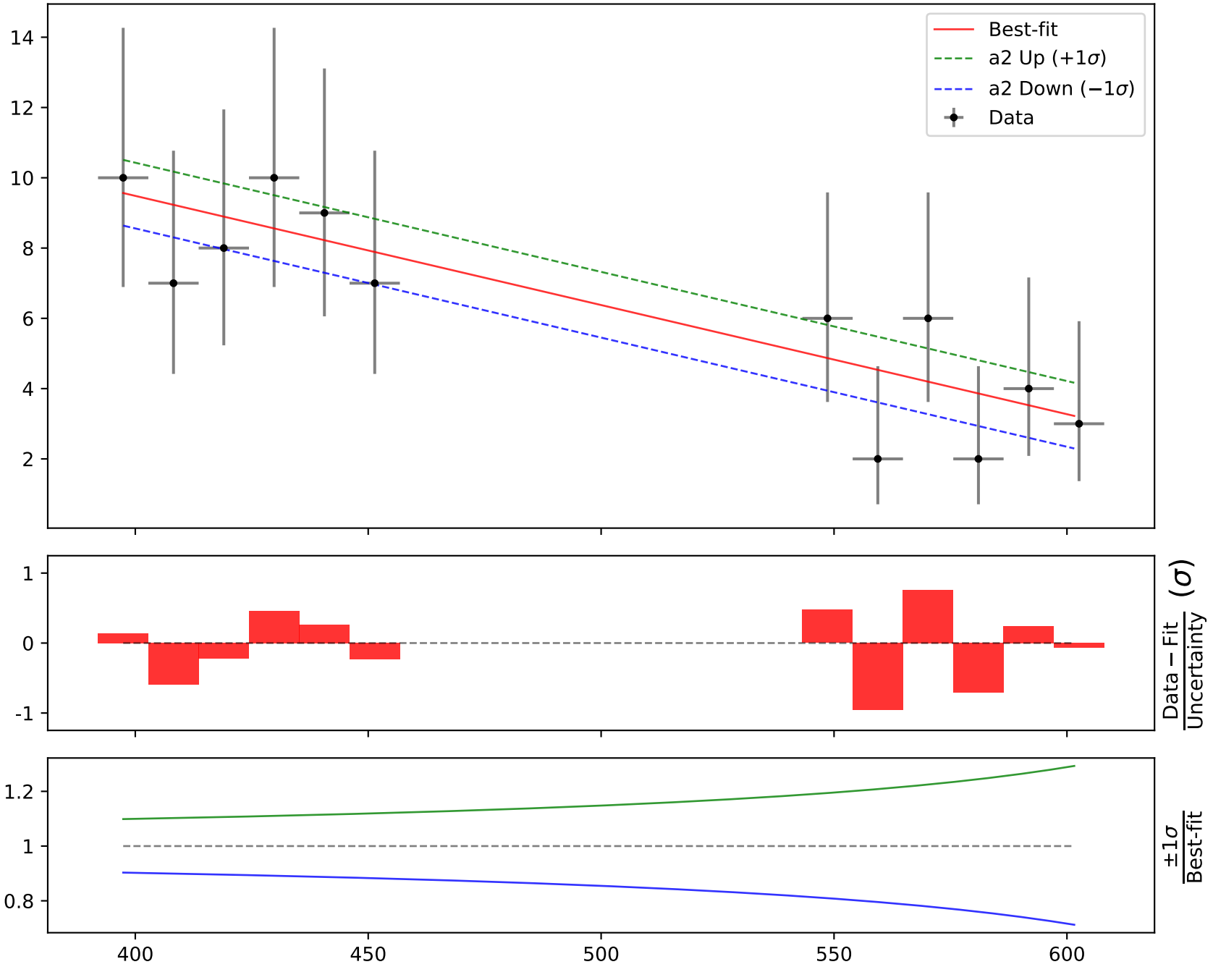


1.0*(a1*((x0 - 397.4) * 0.00487329) + a2)

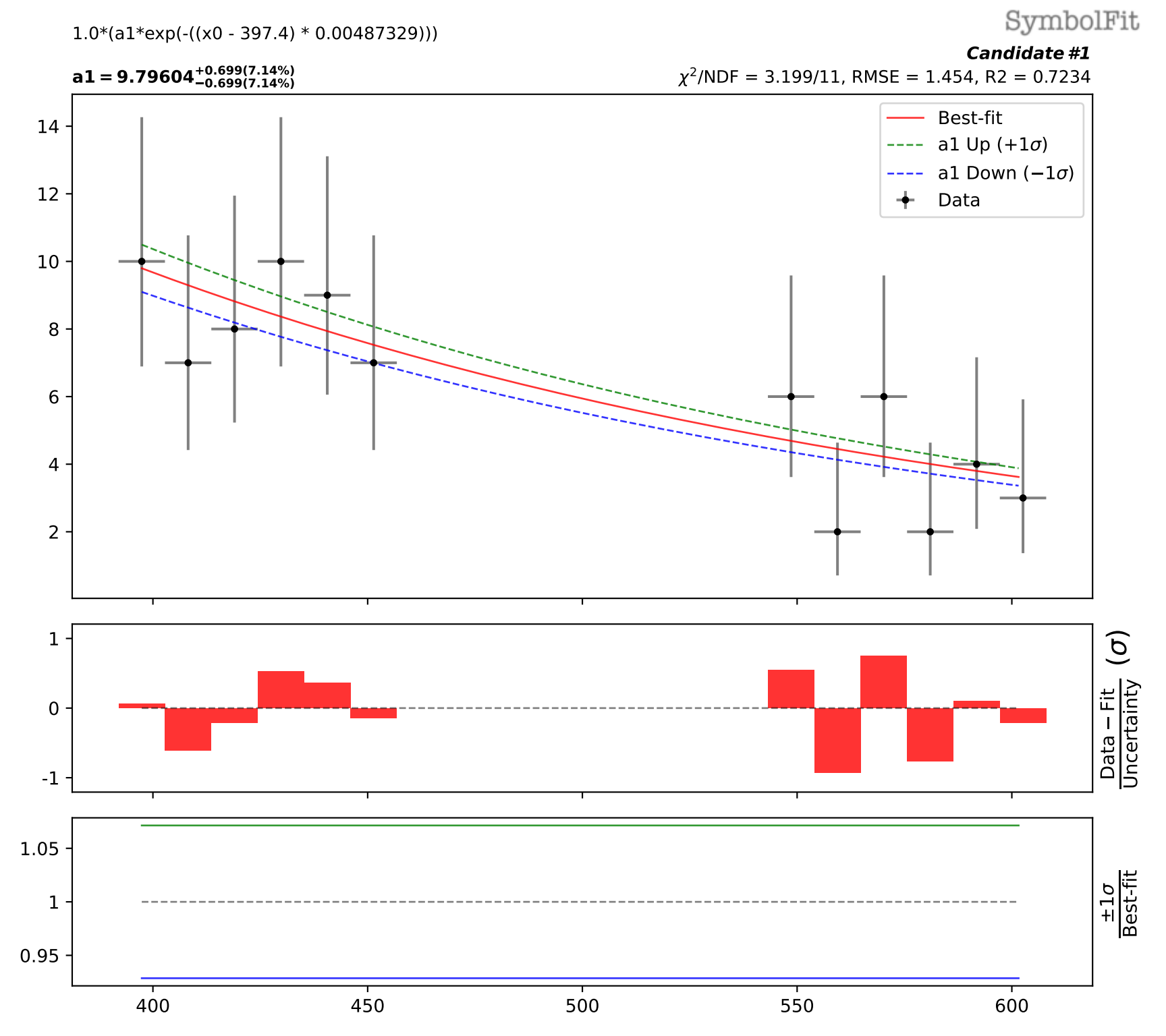
$a1 = -6.37461^{+1.292(20.3\%)}_{-1.271(19.9\%)}$, $\mathbf{a2 = 9.56559^{+0.9438(9.87\%)}_{-0.9267(9.69\%)}}$

Candidate #2

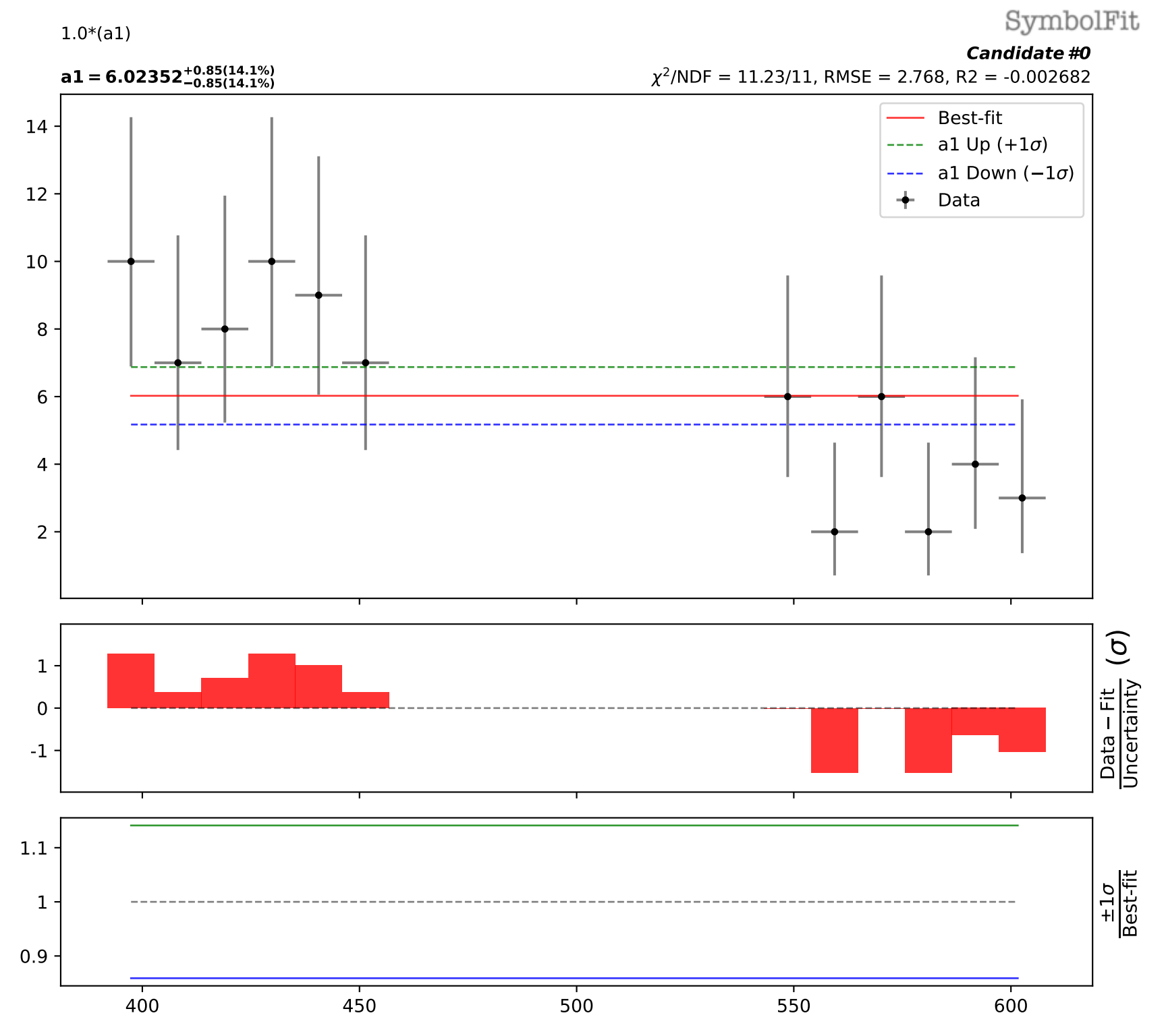
χ^2/NDF = 3.046/10, RMSE = 1.417, R2 = 0.7371



Candidate function #1


SymbolFit
1.0*(a1*exp(-((x0 - 397.4) * 0.00487329)))
Candidate #1
a1 = 9.79604 +0.699(7.14%) −0.699(7.14%)
χ²/NDF = 3.199/11, RMSE = 1.454, R2 = 0.7234
Best-fit
a1 Up (+1σ)
a1 Down (−1σ)
Data
Data − Fit / Uncertainty (σ)
±1σ / Best-fit

Candidate function #0


1.0*(a1)
SymbolFit
Candidate #0
a1 = 6.02352 +0.85(14.1%) −0.85(14.1%)
χ²/NDF = 11.23/11, RMSE = 2.768, R2 = -0.002682
Best-fit
a1 Up (+1σ)
a1 Down (−1σ)
Data
Data − Fit / Uncertainty (σ)
±1σ / Best-fit