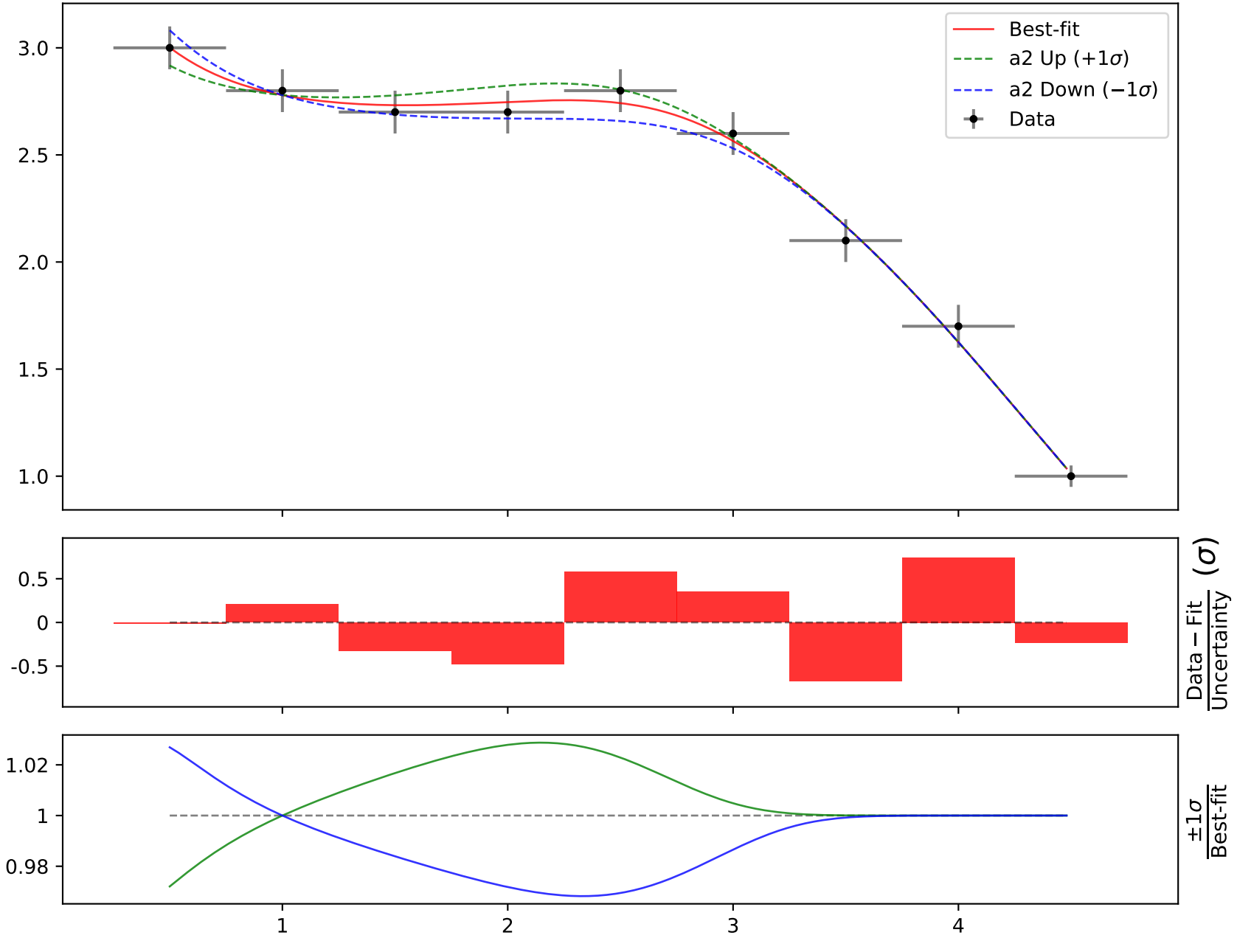
Candidate function #12

a4**(a1 + exp(x0))*(a5 + tanh(a3**x0*x0**(a2 + x0)))

$a1 = -1.14$, $\mathbf{a2 = -0.69035^{+0.273(39.5\%)}_{-0.273(39.5\%)}}$,
$a3 = 0.566188^{+0.119(21.0\%)}_{-0.119(21.0\%)}$, $a4 = 0.986698^{+0.00056(0.0568\%)}_{-0.00056(0.0568\%)}$,
$a5 = 2.32613^{+0.106(4.56\%)}_{-0.106(4.56\%)}$

Candidate #12

χ^2/NDF = 1.89/5, RMSE = 0.04533, R2 = 0.9946



a4**(a1 + exp(x0))*(a5 + tanh(a3**x0*x0**(a2 + x0)))

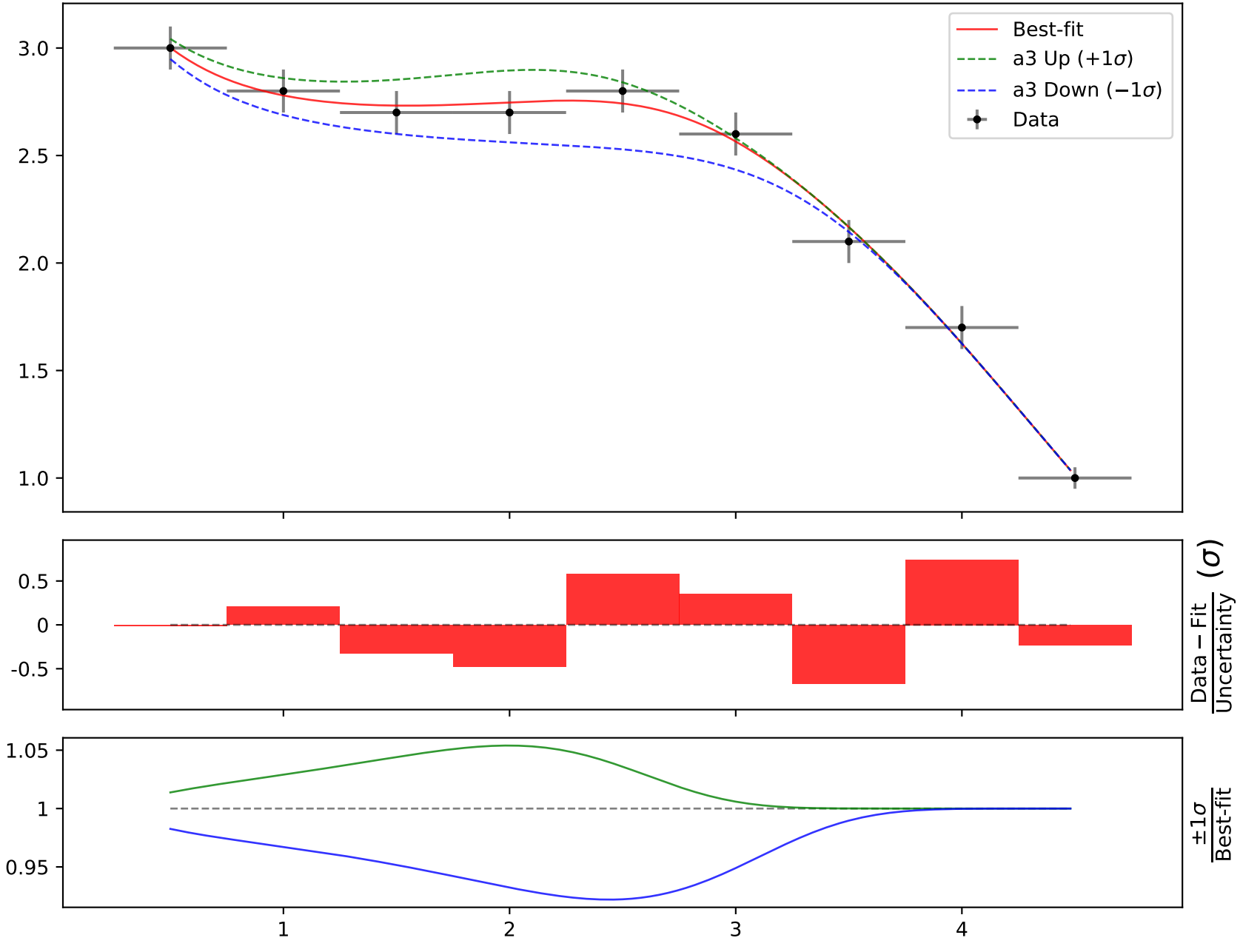
$a1 = -1.14$, $a2 = -0.69035^{+0.273(39.5\%)}_{-0.273(39.5\%)}$,

$a3 = 0.566188^{+0.119(21.0\%)}_{-0.119(21.0\%)}$, $a4 = 0.986698^{+0.00056(0.0568\%)}_{-0.00056(0.0568\%)}$,

$a5 = 2.32613^{+0.106(4.56\%)}_{-0.106(4.56\%)}$

Candidate #12

χ^2/NDF = 1.89/5, RMSE = 0.04533, R2 = 0.9946

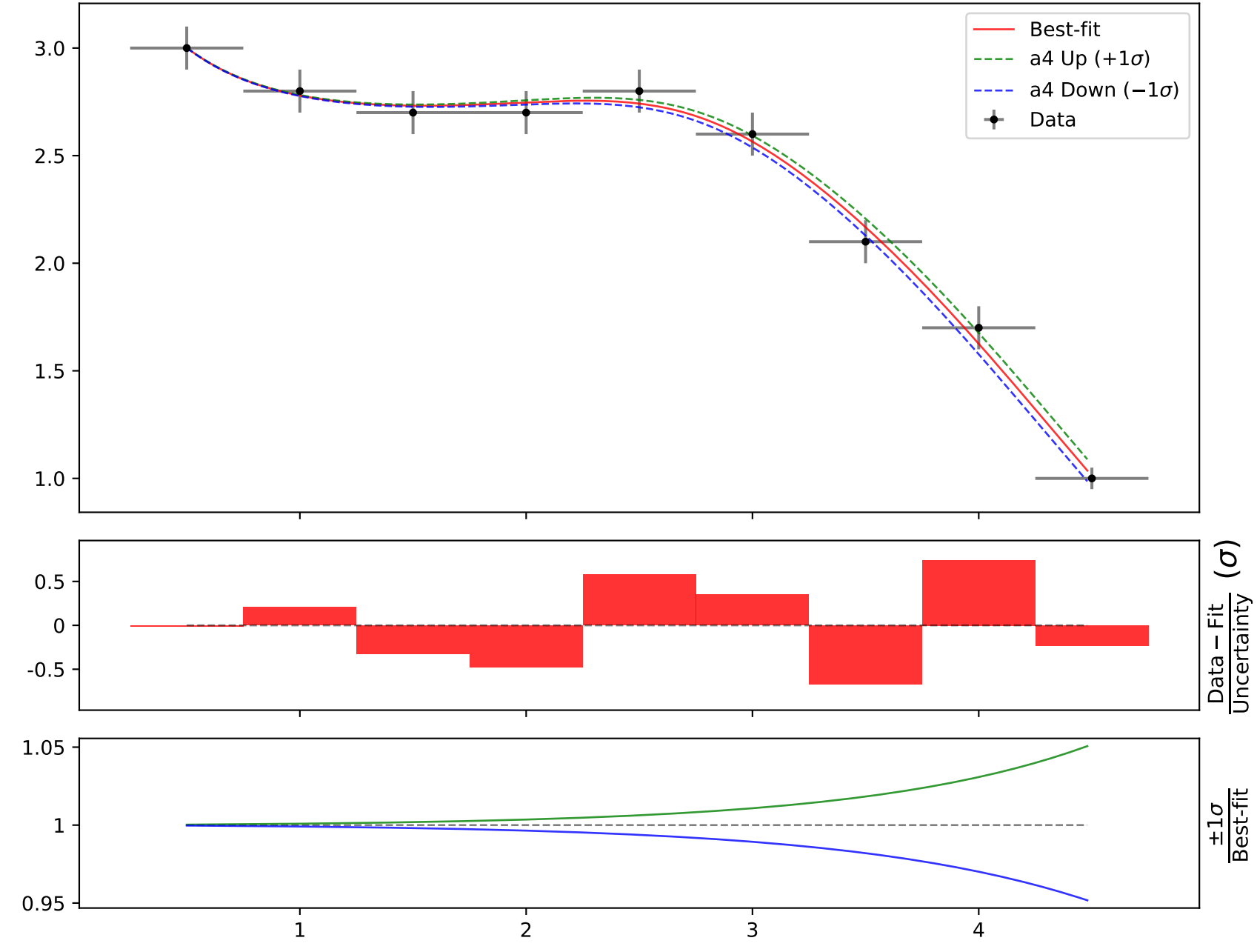


a4**(a1 + exp(x0))*(a5 + tanh(a3**x0*x0**(a2 + x0)))

$a1 = -1.14$, $a2 = -0.69035^{+0.273(39.5\%)}_{-0.273(39.5\%)}$,
$a3 = 0.566188^{+0.119(21.0\%)}_{-0.119(21.0\%)}$, **$a4 = 0.986698^{+0.00056(0.0568\%)}_{-0.00056(0.0568\%)}$**,
$a5 = 2.32613^{+0.106(4.56\%)}_{-0.106(4.56\%)}$

Candidate #12

χ^2/NDF = 1.89/5, RMSE = 0.04533, R2 = 0.9946

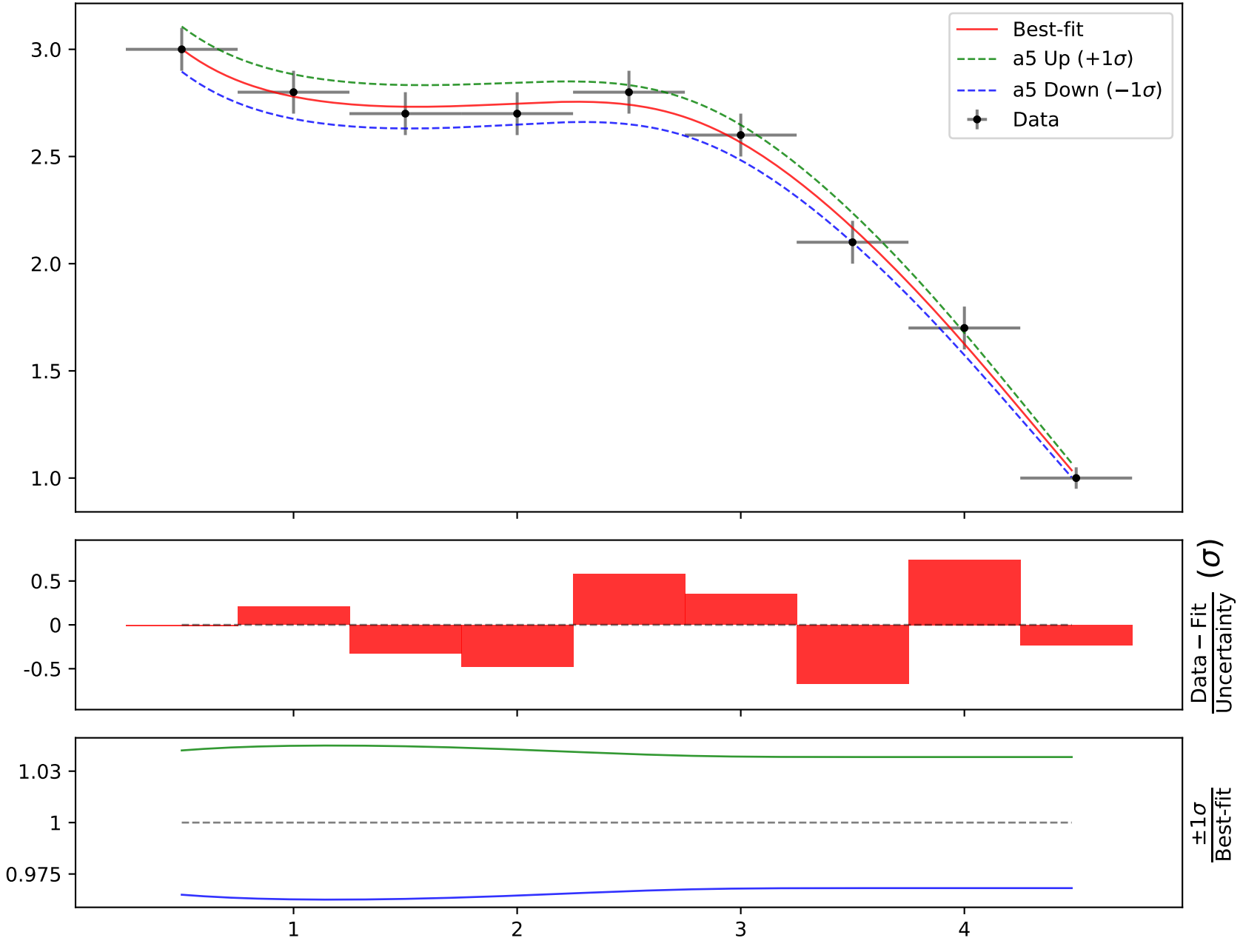


a4**(a1 + exp(x0))*(a5 + tanh(a3**x0*x0**(a2 + x0)))

$a1 = -1.14,\ a2 = -0.69035^{+0.273(39.5\%)}_{-0.273(39.5\%)},$
$a3 = 0.566188^{+0.119(21.0\%)}_{-0.119(21.0\%)},\ a4 = 0.986698^{+0.00056(0.0568\%)}_{-0.00056(0.0568\%)},$
$\mathbf{a5 = 2.32613^{+0.106(4.56\%)}_{-0.106(4.56\%)}}$

Candidate #12

χ^2/NDF = 1.89/5, RMSE = 0.04533, R2 = 0.9946



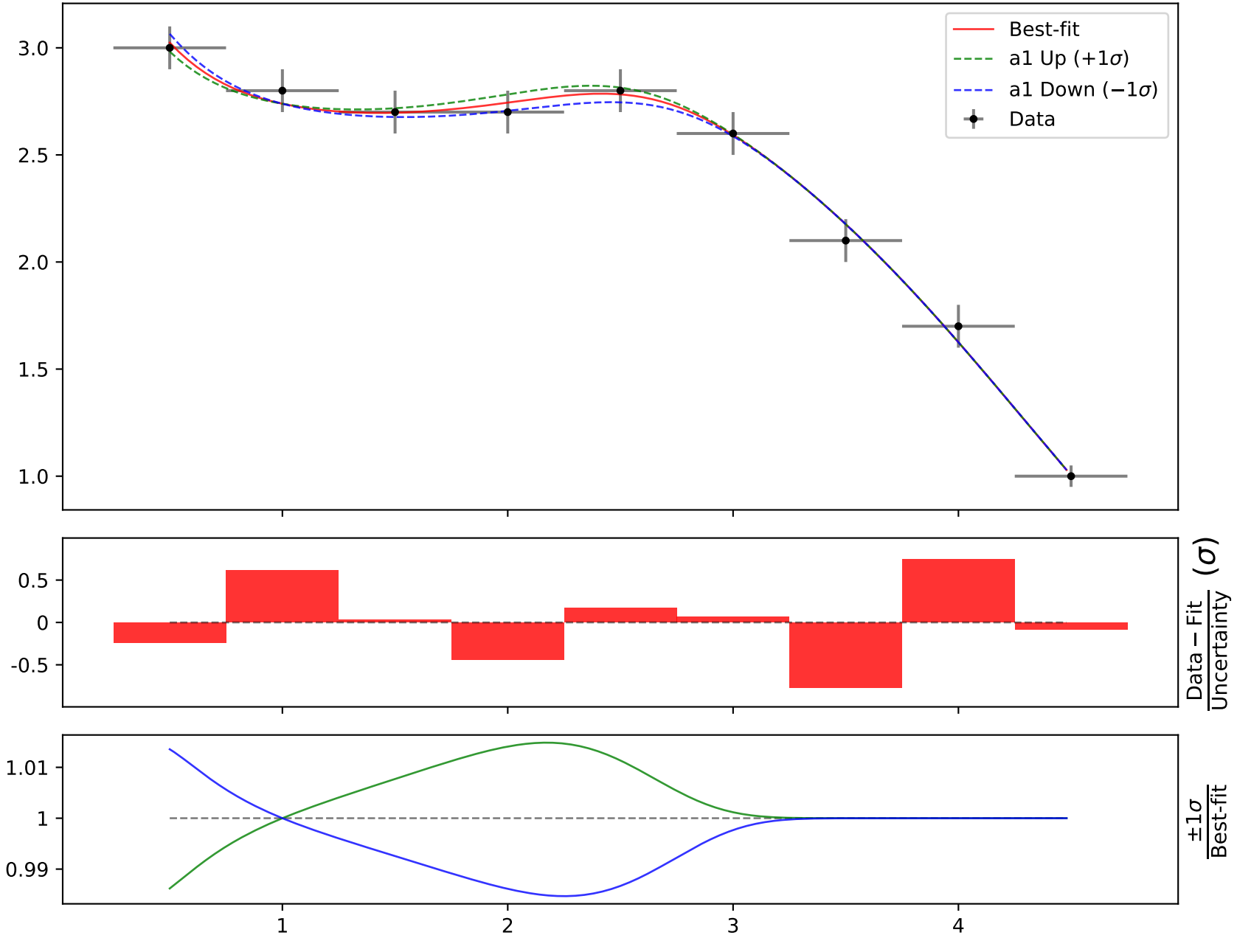
Candidate function #11

a4**(a2 + exp(x0))*(a5 + tanh(a3*x0**(a1 + x0)))

a1 = $-1.34397^{+0.1365(10.2\%)}_{-0.1357(10.1\%)}$, $a2 = -0.662$,
$a3 = 0.463319^{+0.1398(30.2\%)}_{-0.1152(24.9\%)}$, $a4 = 0.986498^{+0.0005982(0.0606\%)}_{-0.0006082(0.0617\%)}$,
$a5 = 2.38363^{+0.1131(4.75\%)}_{-0.1054(4.42\%)}$

Candidate #11

χ^2/NDF = 1.813/5, RMSE = 0.04482, R2 = 0.9947



a4**(a2 + exp(x0))*(a5 + tanh(a3*x0**(a1 + x0)))

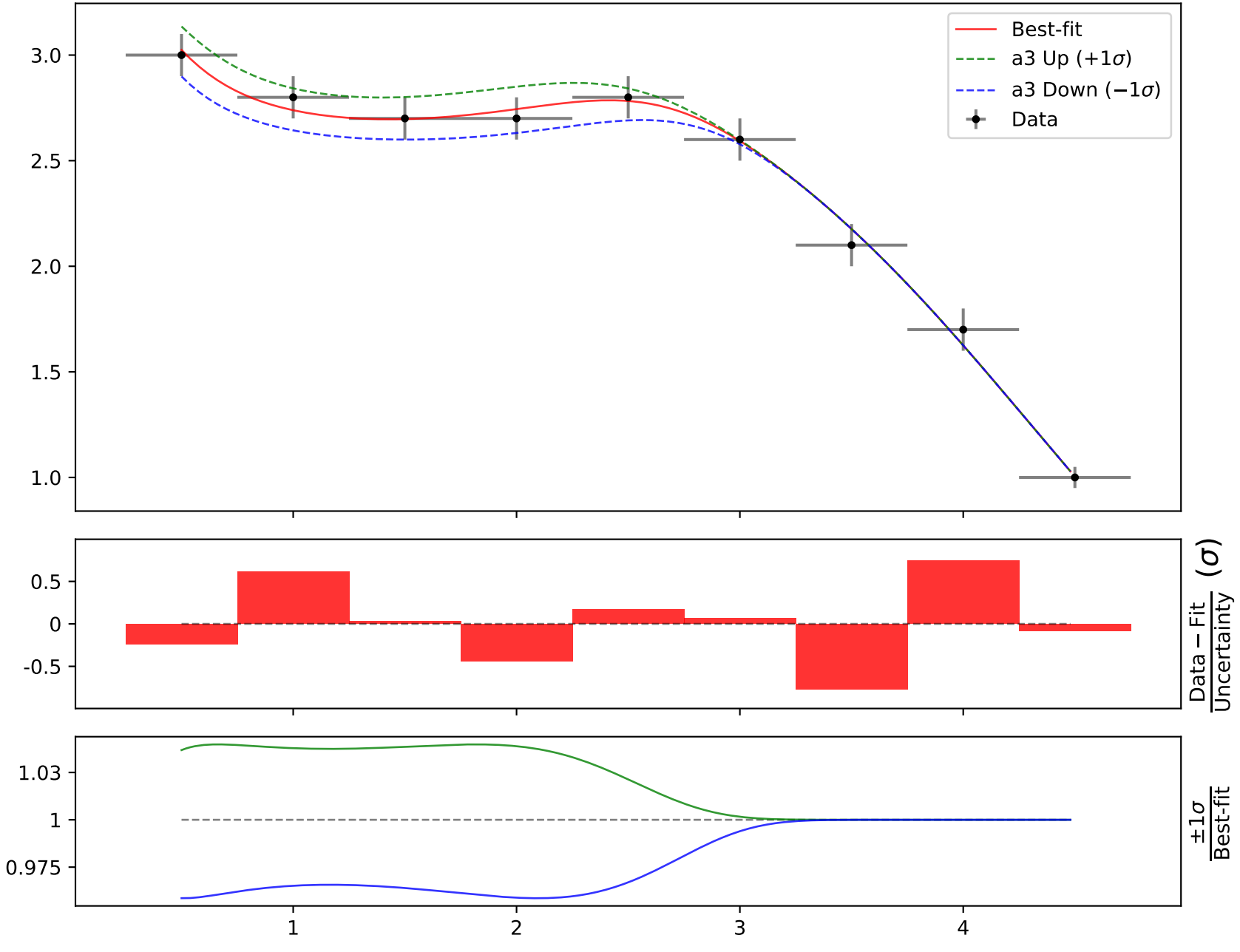
$a1 = -1.34397^{+0.1365(10.2\%)}_{-0.1357(10.1\%)}$, $a2 = -0.662$,

$a3 = 0.463319^{+0.1398(30.2\%)}_{-0.1152(24.9\%)}$, $a4 = 0.986498^{+0.0005982(0.0606\%)}_{-0.0006082(0.0617\%)}$,

$a5 = 2.38363^{+0.1131(4.75\%)}_{-0.1054(4.42\%)}$

Candidate #11

χ^2/NDF = 1.813/5, RMSE = 0.04482, R2 = 0.9947

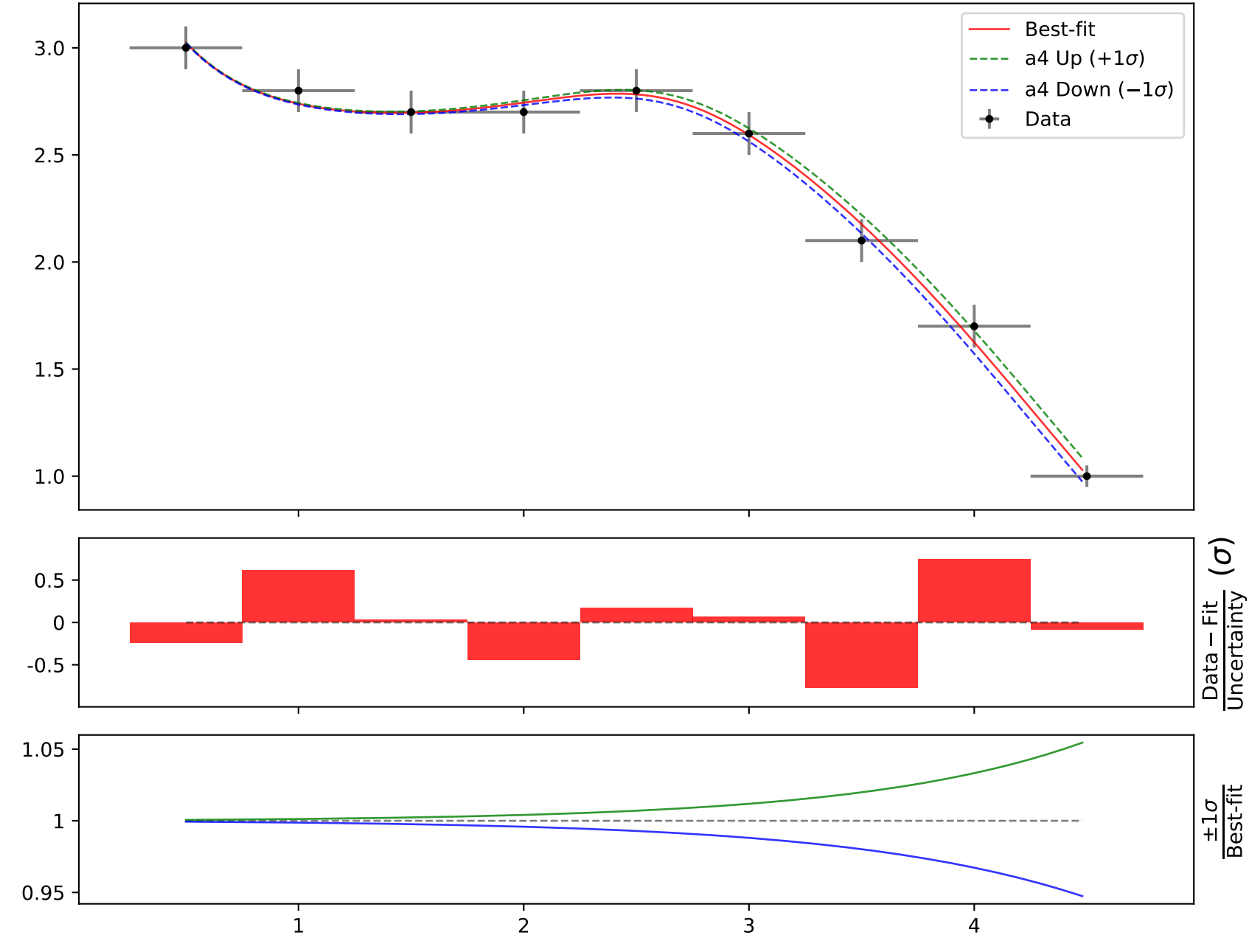


a4**(a2 + exp(x0))*(a5 + tanh(a3*x0**(a1 + x0)))

$a1 = -1.34397^{+0.1365(10.2\%)}_{-0.1357(10.1\%)}$, $a2 = -0.662$,
$a3 = 0.463319^{+0.1398(30.2\%)}_{-0.1152(24.9\%)}$, $\mathbf{a4 = 0.986498^{+0.0005982(0.0606\%)}_{-0.0006082(0.0617\%)}}$,
$a5 = 2.38363^{+0.1131(4.75\%)}_{-0.1054(4.42\%)}$

Candidate #11

χ^2/NDF = 1.813/5, RMSE = 0.04482, R2 = 0.9947

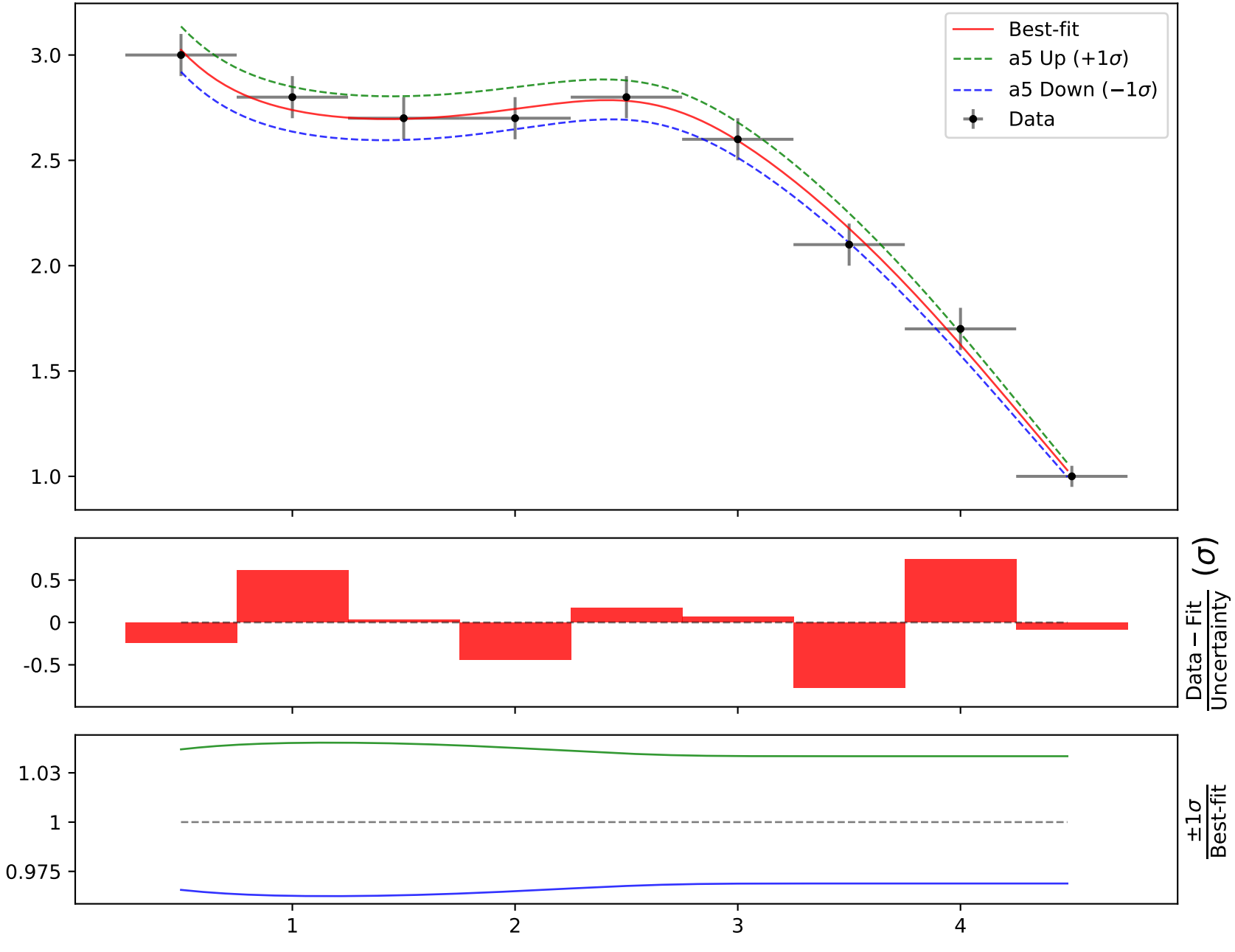


a4**(a2 + exp(x0))*(a5 + tanh(a3*x0**(a1 + x0)))

$a1 = -1.34397^{+0.1365(10.2\%)}_{-0.1357(10.1\%)}$, $a2 = -0.662$,
$a3 = 0.463319^{+0.1398(30.2\%)}_{-0.1152(24.9\%)}$, $a4 = 0.986498^{+0.0005982(0.0606\%)}_{-0.0006082(0.0617\%)}$,
$a5 = 2.38363^{+0.1131(4.75\%)}_{-0.1054(4.42\%)}$

Candidate #11

χ^2/NDF = 1.813/5, RMSE = 0.04482, R2 = 0.9947



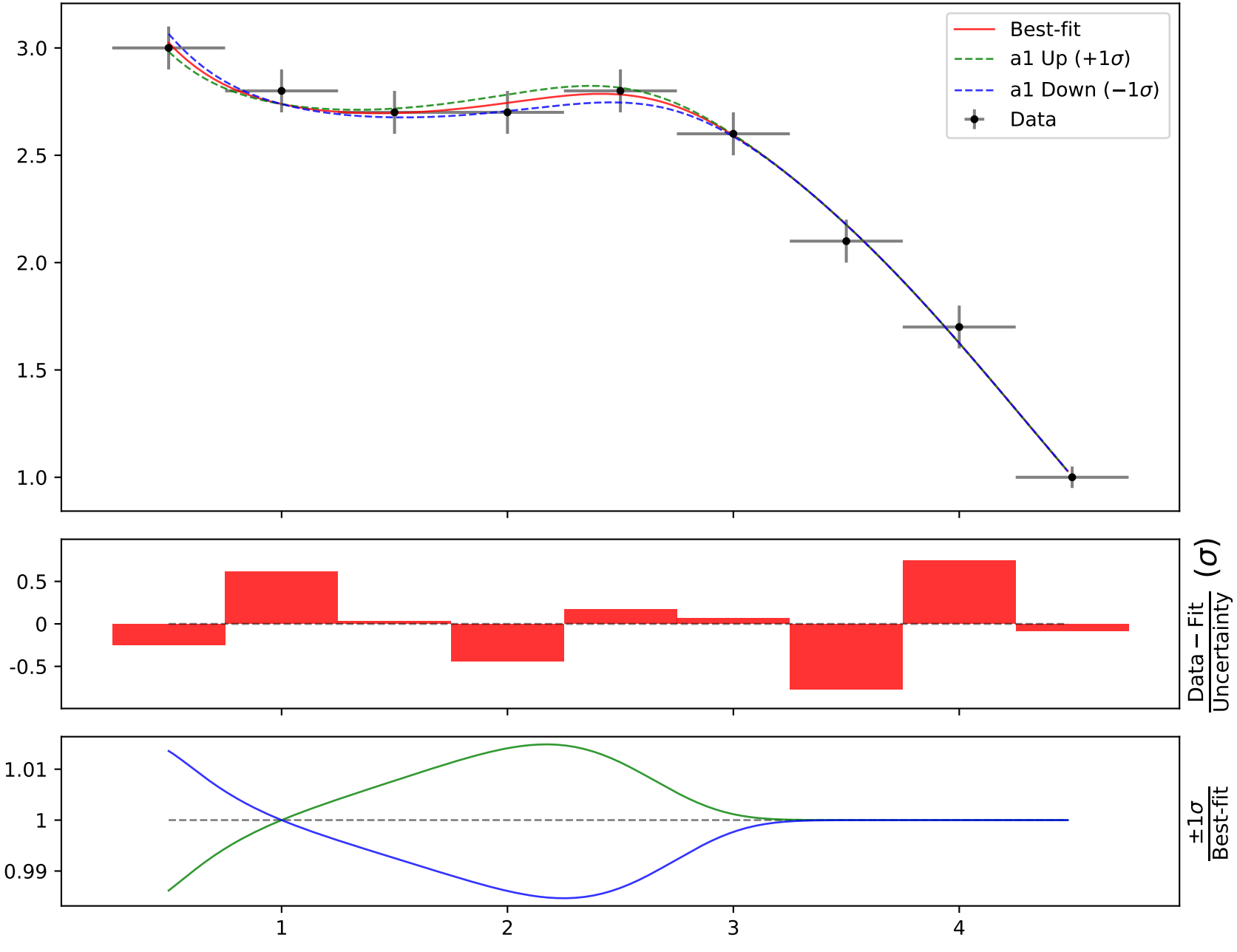
Candidate function #10

a4**(a2 + exp(x0))*(a5 + tanh(a3*x0**(a1 + x0)))

a1 = −1.34403$^{+0.1366(10.2\%)}_{-0.1358(10.1\%)}$, a2 = −0.797,
a3 = 0.464204$^{+0.1402(30.2\%)}_{-0.1155(24.9\%)}$, a4 = 0.986498$^{+0.0005997(0.0608\%)}_{-0.00061(0.0618\%)}$,
a5 = 2.3774$^{+0.1131(4.76\%)}_{-0.1052(4.43\%)}$

Candidate #10

χ^2/NDF = 1.819/5, RMSE = 0.04488, R2 = 0.9947

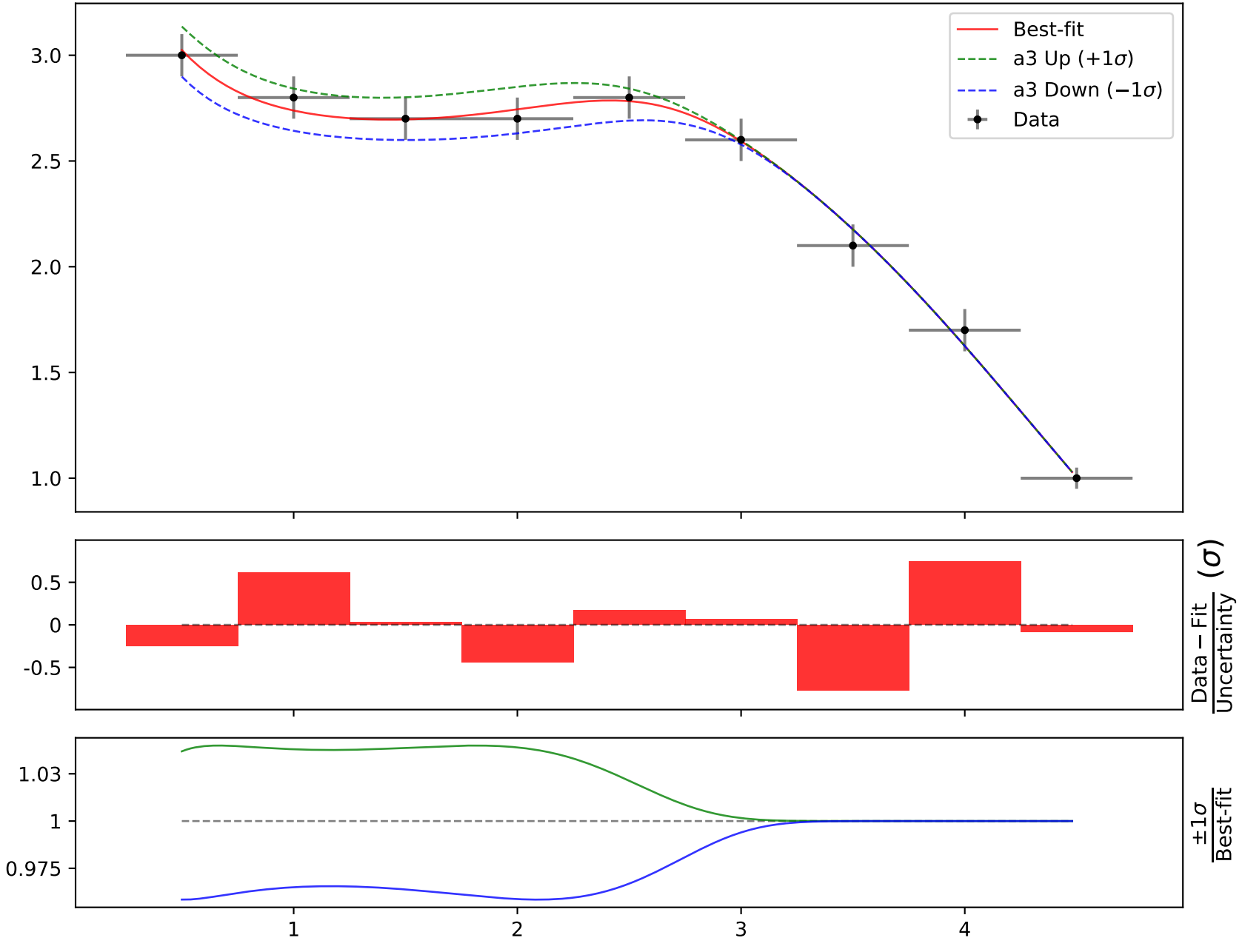


a4**(a2 + exp(x0))*(a5 + tanh(a3*x0**(a1 + x0)))

$a1 = -1.34403^{+0.1366(10.2\%)}_{-0.1358(10.1\%)}$, $a2 = -0.797$,
$a3 = 0.464204^{+0.1402(30.2\%)}_{-0.1155(24.9\%)}$, $a4 = 0.986498^{+0.0005997(0.0608\%)}_{-0.00061(0.0618\%)}$,
$a5 = 2.3774^{+0.1131(4.76\%)}_{-0.1052(4.43\%)}$

Candidate #10

χ^2/NDF = 1.819/5, RMSE = 0.04488, R2 = 0.9947

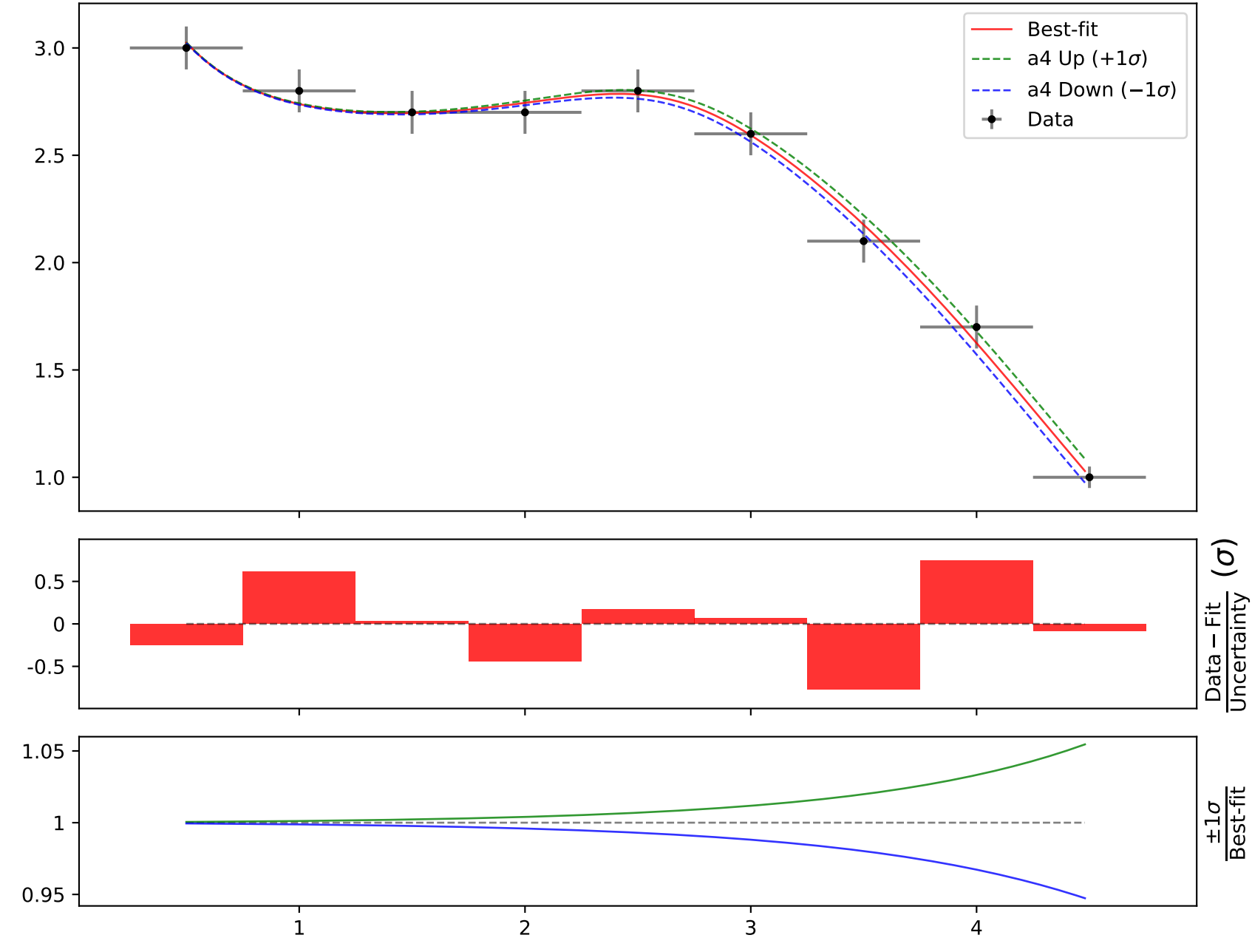


a4**(a2 + exp(x0))*(a5 + tanh(a3*x0**(a1 + x0)))

$a1 = -1.34403^{+0.1366(10.2\%)}_{-0.1358(10.1\%)}$, $a2 = -0.797$,
$a3 = 0.464204^{+0.1402(30.2\%)}_{-0.1155(24.9\%)}$, $\mathbf{a4 = 0.986498^{+0.0005997(0.0608\%)}_{-0.00061(0.0618\%)}}$,
$a5 = 2.3774^{+0.1131(4.76\%)}_{-0.1052(4.43\%)}$

Candidate #10

χ^2/NDF = 1.819/5, RMSE = 0.04488, R2 = 0.9947

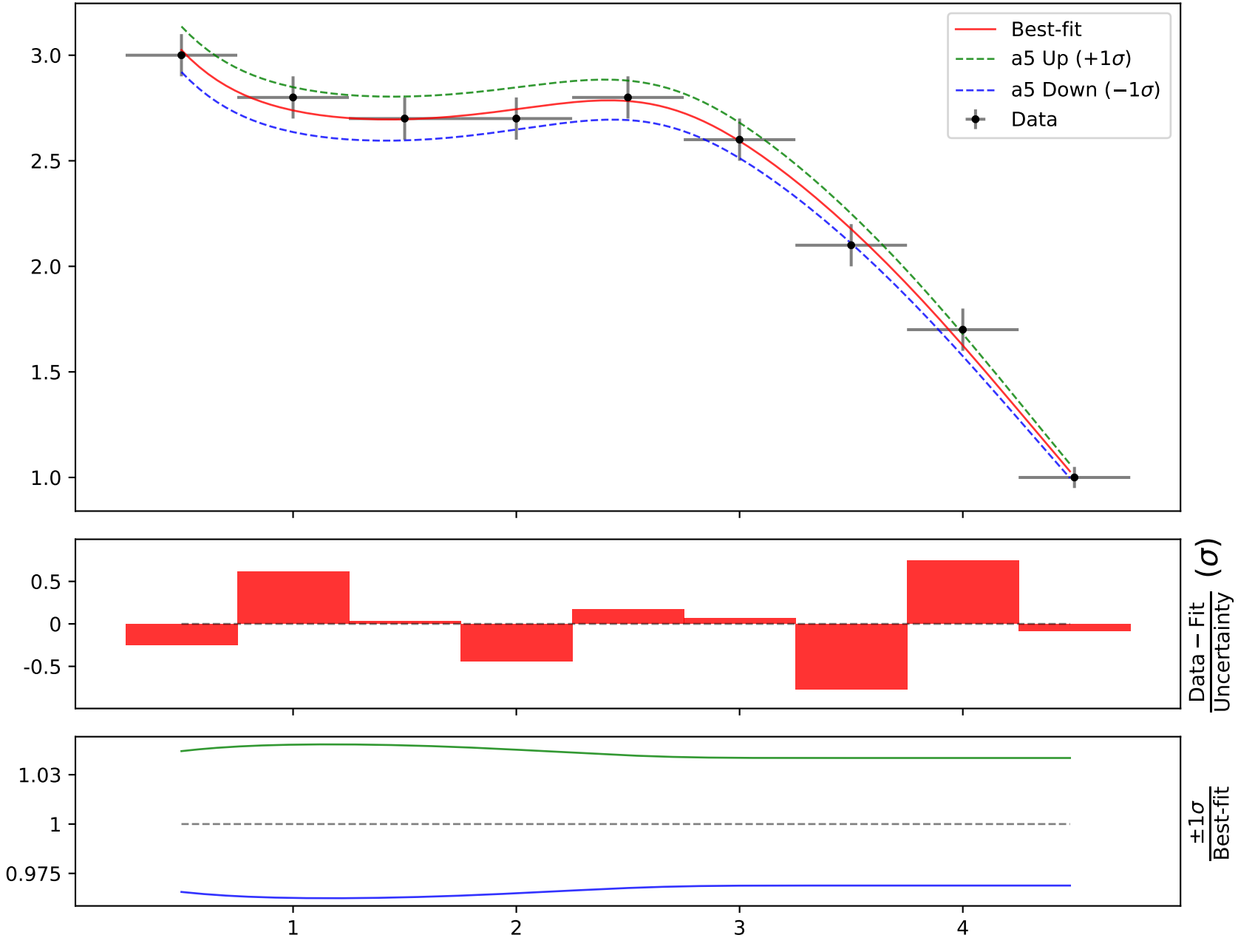


a4**(a2 + exp(x0))*(a5 + tanh(a3*x0**(a1 + x0)))

$a1 = -1.34403^{+0.1366(10.2\%)}_{-0.1358(10.1\%)}$, $a2 = -0.797$,
$a3 = 0.464204^{+0.1402(30.2\%)}_{-0.1155(24.9\%)}$, $a4 = 0.986498^{+0.0005997(0.0608\%)}_{-0.00061(0.0618\%)}$,
$a5 = 2.3774^{+0.1131(4.76\%)}_{-0.1052(4.43\%)}$

Candidate #10

χ^2/NDF = 1.819/5, RMSE = 0.04488, R2 = 0.9947



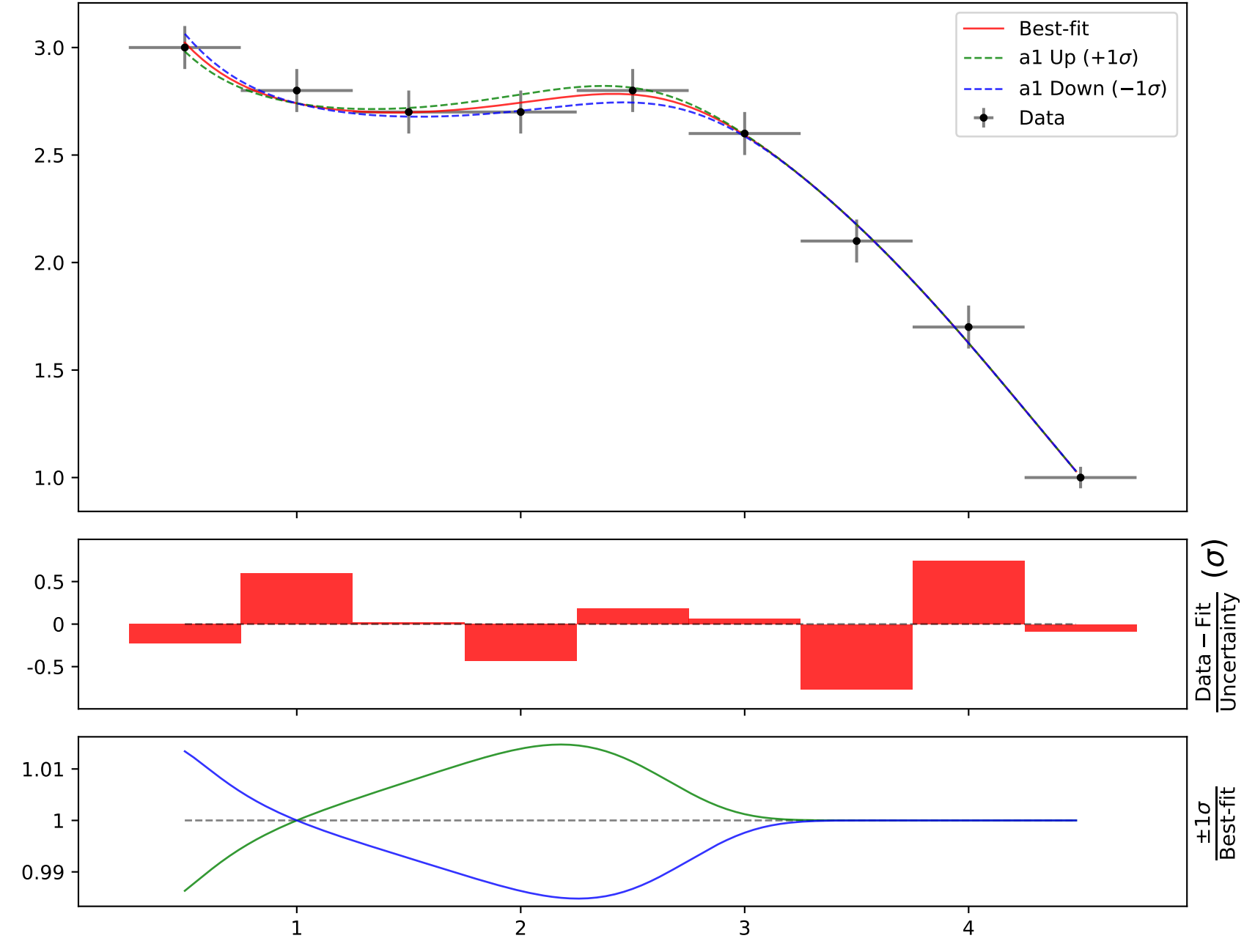
Candidate function #9

a3**exp(x0)*(a4 + tanh(a2*x0**(a1 + x0)))

a1 = $-1.34364^{+0.1363(10.1\%)}_{-0.1354(10.1\%)}$, a2 = $0.459085^{+0.1379(30.0\%)}_{-0.1137(24.8\%)}$,
a3 = $0.986498^{+0.0005911(0.0599\%)}_{-0.0005993(0.0608\%)}$, a4 = $2.41424^{+0.1135(4.7\%)}_{-0.1062(4.4\%)}$

Candidate #9

χ^2/NDF = 1.788/5, RMSE = 0.0445, R2 = 0.9948

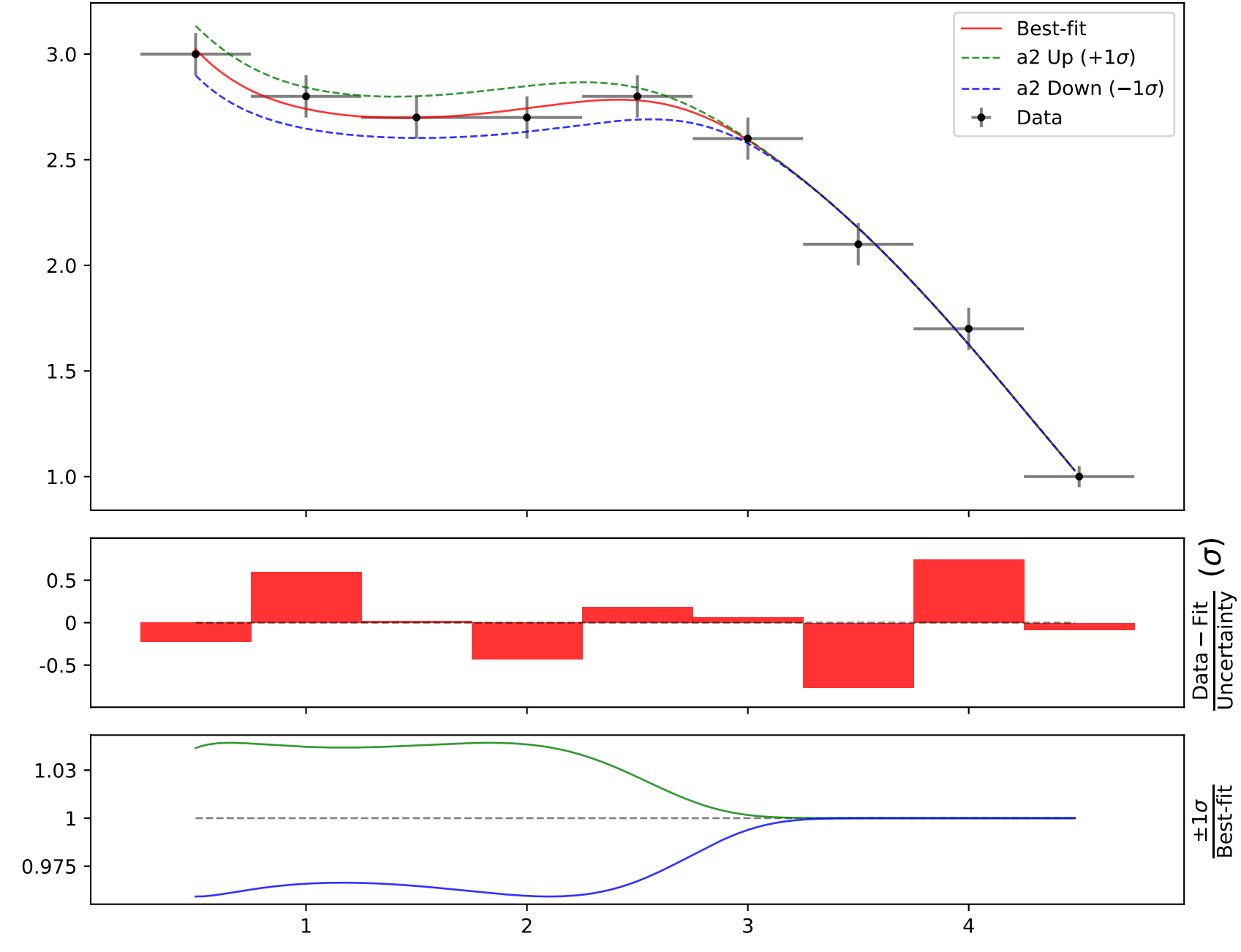


a3**exp(x0)*(a4 + tanh(a2*x0**(a1 + x0)))

$a1 = -1.34364^{+0.1363(10.1\%)}_{-0.1354(10.1\%)}$, $\mathbf{a2 = 0.459085^{+0.1379(30.0\%)}_{-0.1137(24.8\%)}}$,
$a3 = 0.986498^{+0.0005911(0.0599\%)}_{-0.0005993(0.0608\%)}$, $a4 = 2.41424^{+0.1135(4.7\%)}_{-0.1062(4.4\%)}$

Candidate #9

χ^2/NDF = 1.788/5, RMSE = 0.0445, R2 = 0.9948

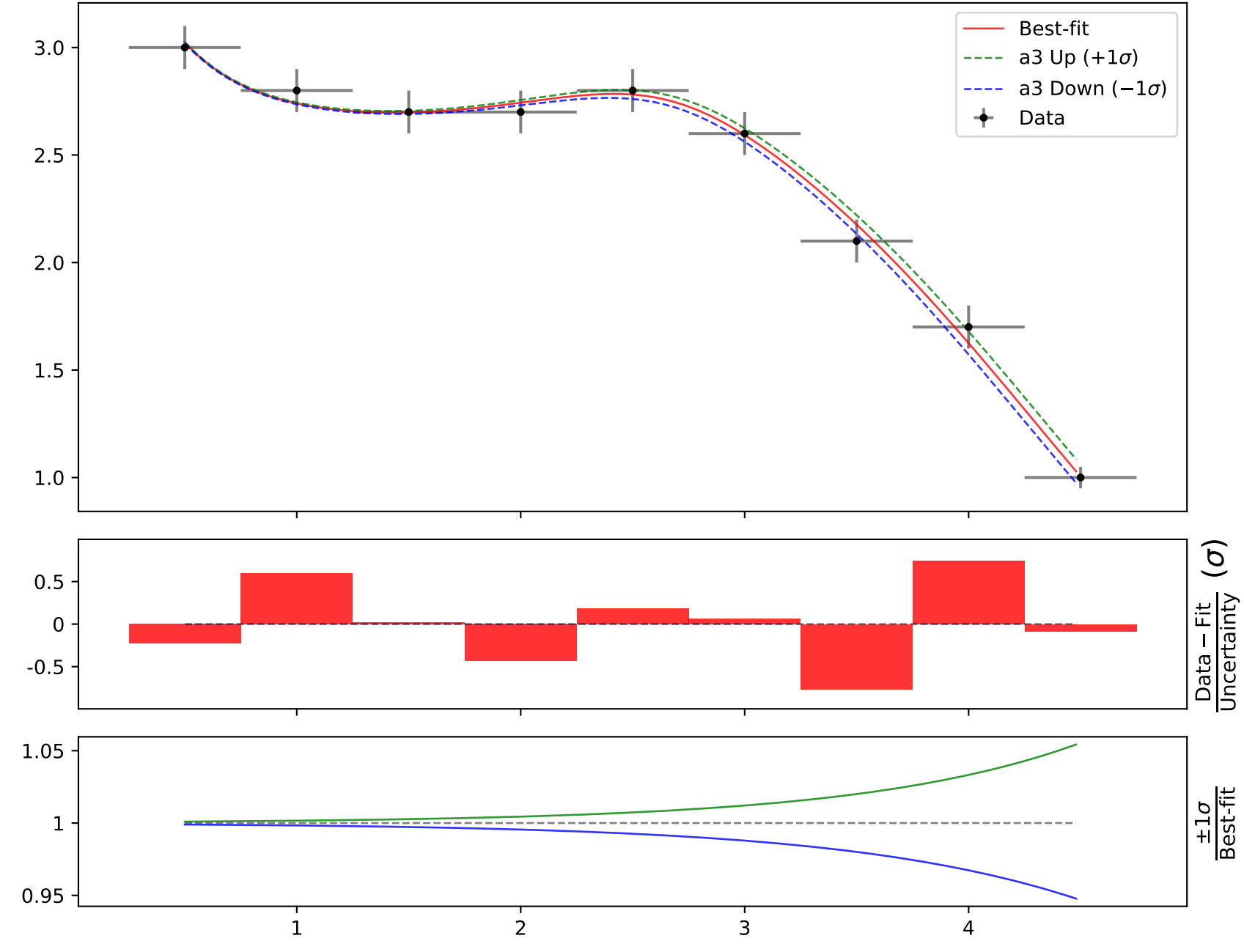


a3**exp(x0)*(a4 + tanh(a2*x0**(a1 + x0)))

$a1 = -1.34364^{+0.1363(10.1\%)}_{-0.1354(10.1\%)}$, $a2 = 0.459085^{+0.1379(30.0\%)}_{-0.1137(24.8\%)}$,
$a3 = 0.986498^{+0.0005911(0.0599\%)}_{-0.0005993(0.0608\%)}$, $a4 = 2.41424^{+0.1135(4.7\%)}_{-0.1062(4.4\%)}$

Candidate #9

χ^2/NDF = 1.788/5, RMSE = 0.0445, R2 = 0.9948

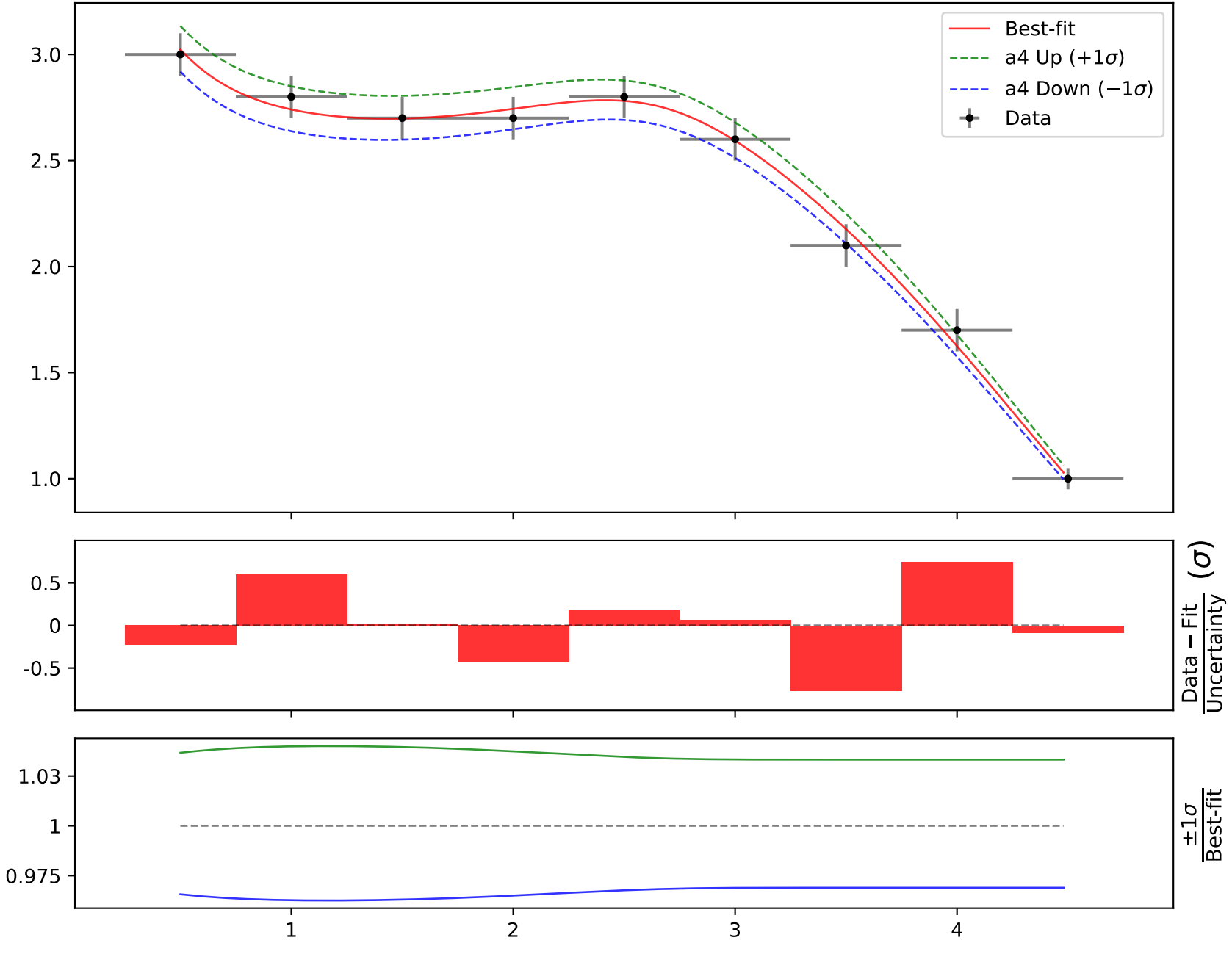


a3**exp(x0)*(a4 + tanh(a2*x0**(a1 + x0)))

$a1 = -1.34364^{+0.1363(10.1\%)}_{-0.1354(10.1\%)}$, $a2 = 0.459085^{+0.1379(30.0\%)}_{-0.1137(24.8\%)}$,
$a3 = 0.986498^{+0.0005911(0.0599\%)}_{-0.0005993(0.0608\%)}$, $\mathbf{a4 = 2.41424^{+0.1135(4.7\%)}_{-0.1062(4.4\%)}}$

Candidate #9

χ^2/NDF = 1.788/5, RMSE = 0.0445, R2 = 0.9948



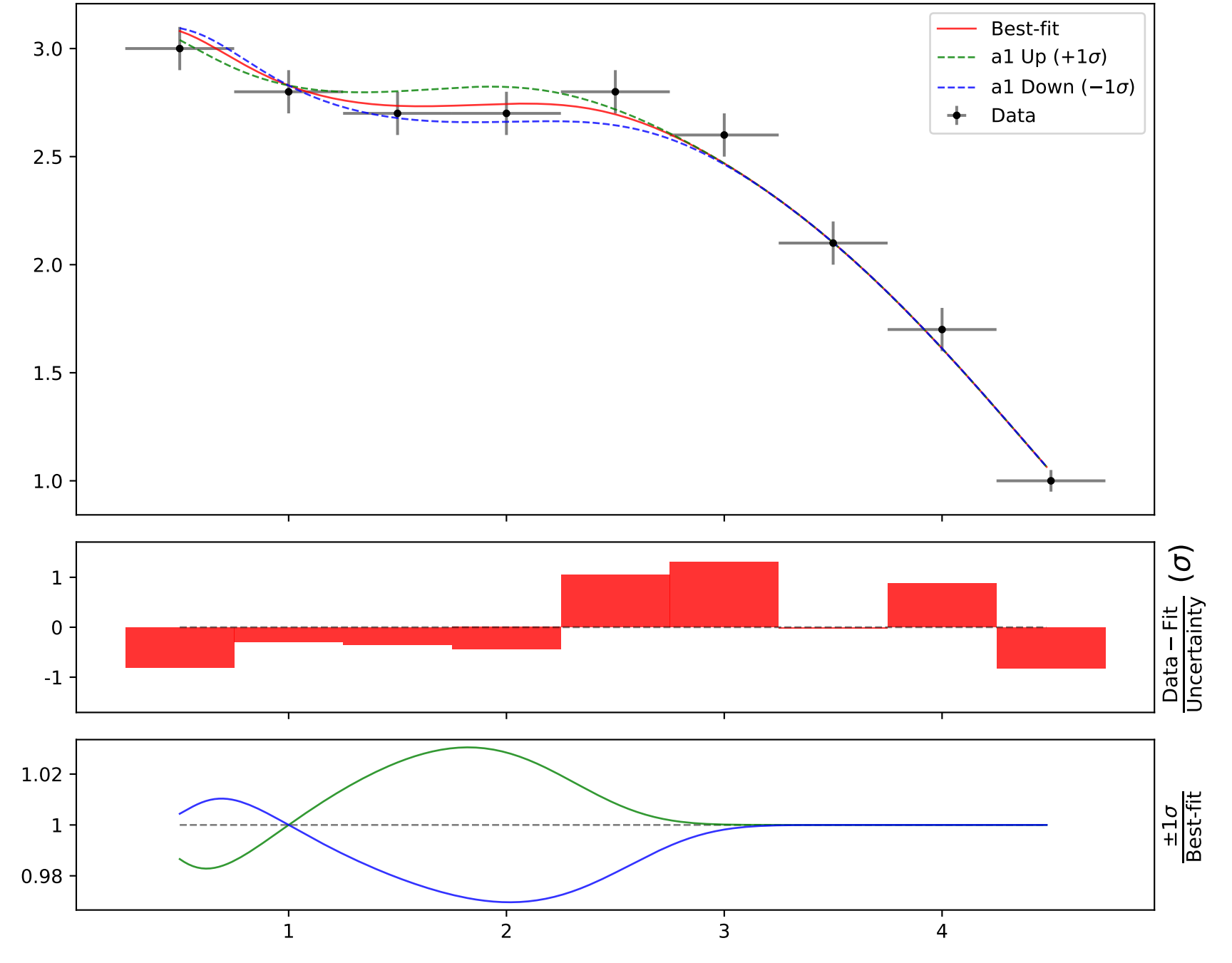
Candidate function #8

a2**exp(x0)*(a3 + tanh(x0**(a1 + x0)))

a1 = $-1.70235^{+0.419(24.6\%)}_{-0.3339(19.6\%)}$, a2 = $0.98773^{+0.0005427(0.0549\%)}_{-0.0005579(0.0565\%)}$,
a3 = $2.16404^{+0.06005(2.77\%)}_{-0.05753(2.66\%)}$

Candidate #8

χ^2/NDF = 5.317/6, RMSE = 0.07306, R2 = 0.986

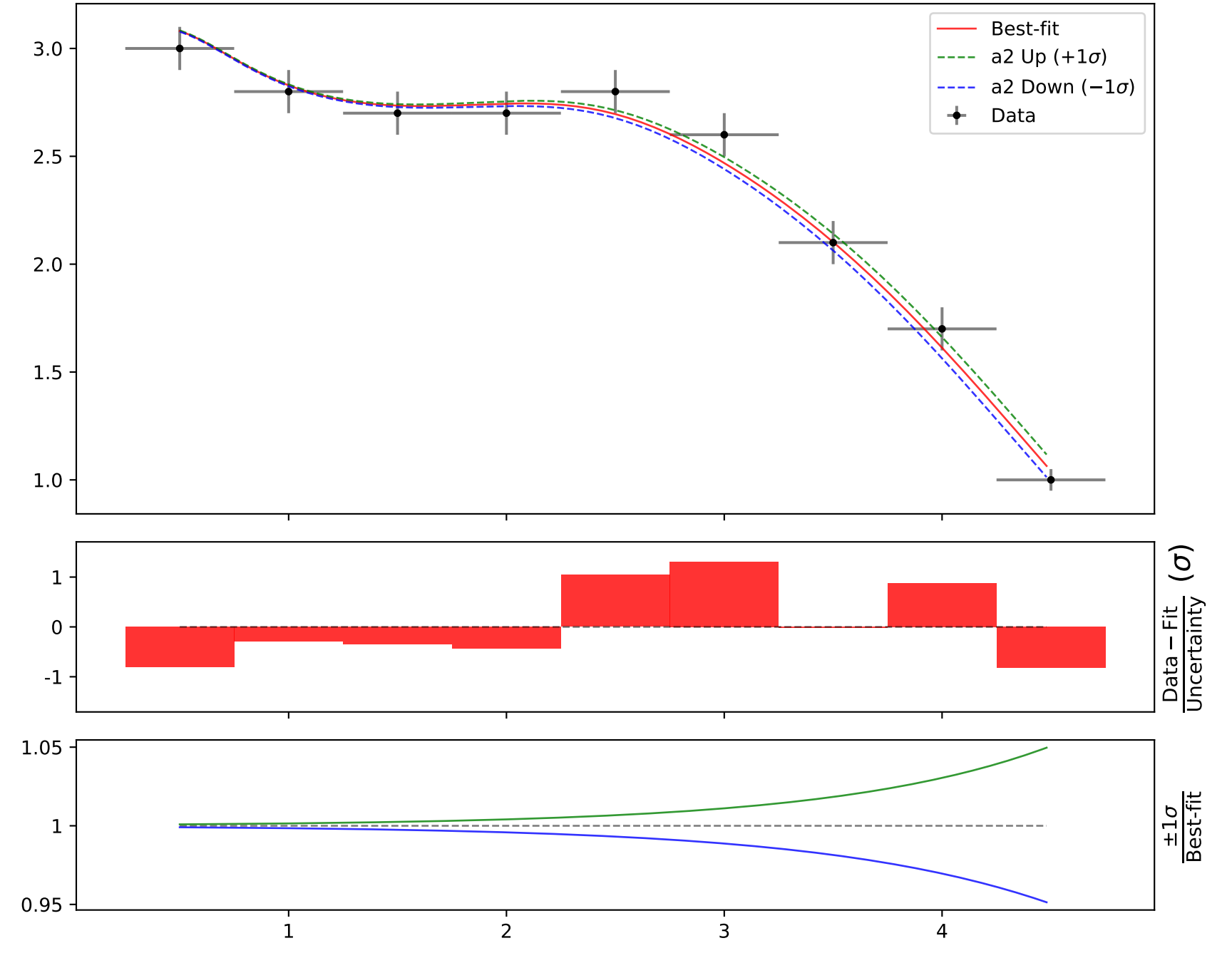


a2**exp(x0)*(a3 + tanh(x0**(a1 + x0)))

$a1 = -1.70235^{+0.419(24.6\%)}_{-0.3339(19.6\%)}$, $\mathbf{a2 = 0.98773^{+0.0005427(0.0549\%)}_{-0.0005579(0.0565\%)}}$,
$a3 = 2.16404^{+0.06005(2.77\%)}_{-0.05753(2.66\%)}$

Candidate #8

χ^2/NDF = 5.317/6, RMSE = 0.07306, R2 = 0.986



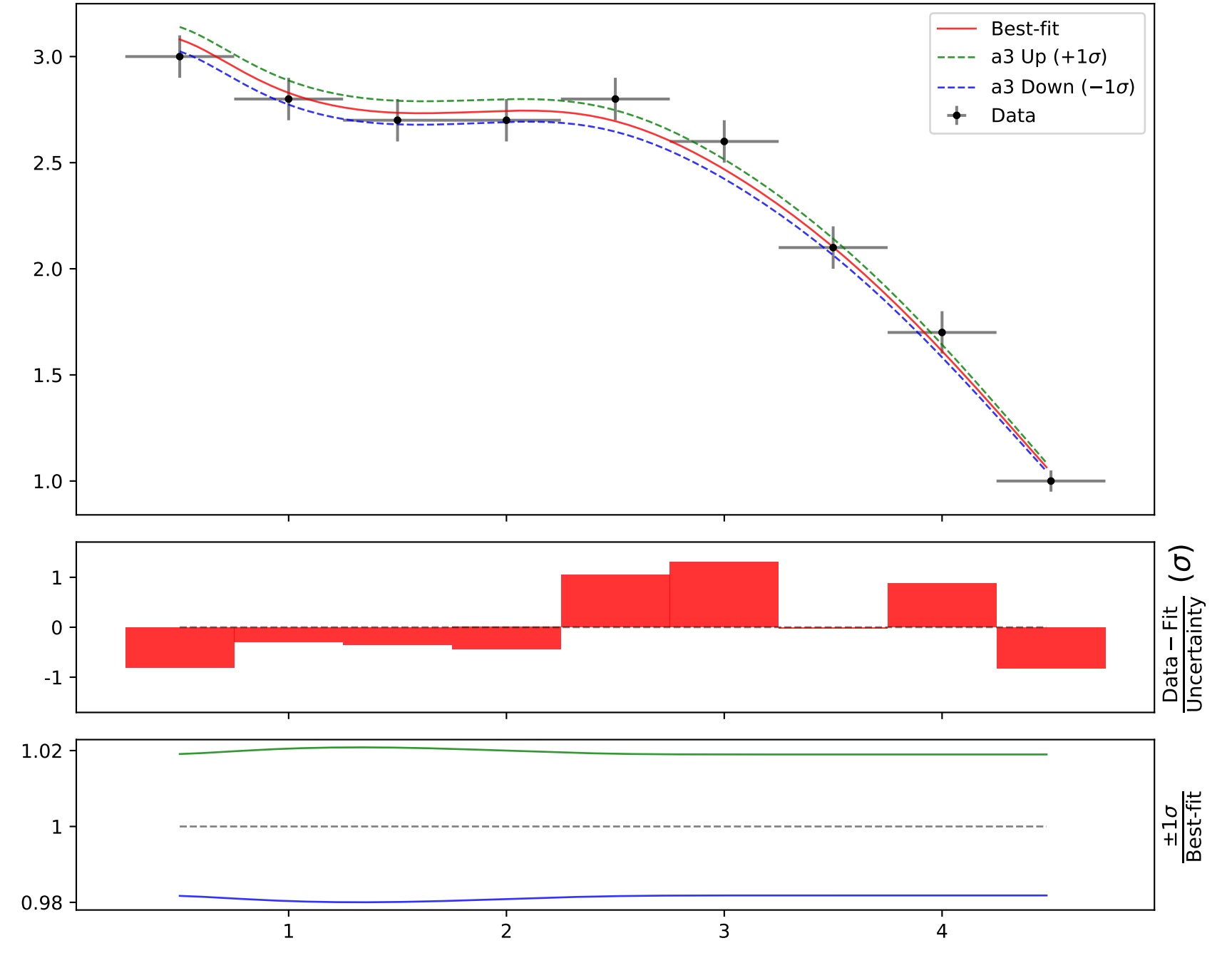
a2**exp(x0)*(a3 + tanh(x0**(a1 + x0)))

$a1 = -1.70235^{+0.419(24.6\%)}_{-0.3339(19.6\%)}$, $a2 = 0.98773^{+0.0005427(0.0549\%)}_{-0.0005579(0.0565\%)}$,

$a3 = 2.16404^{+0.06005(2.77\%)}_{-0.05753(2.66\%)}$

Candidate #8

χ^2/NDF = 5.317/6, RMSE = 0.07306, R2 = 0.986



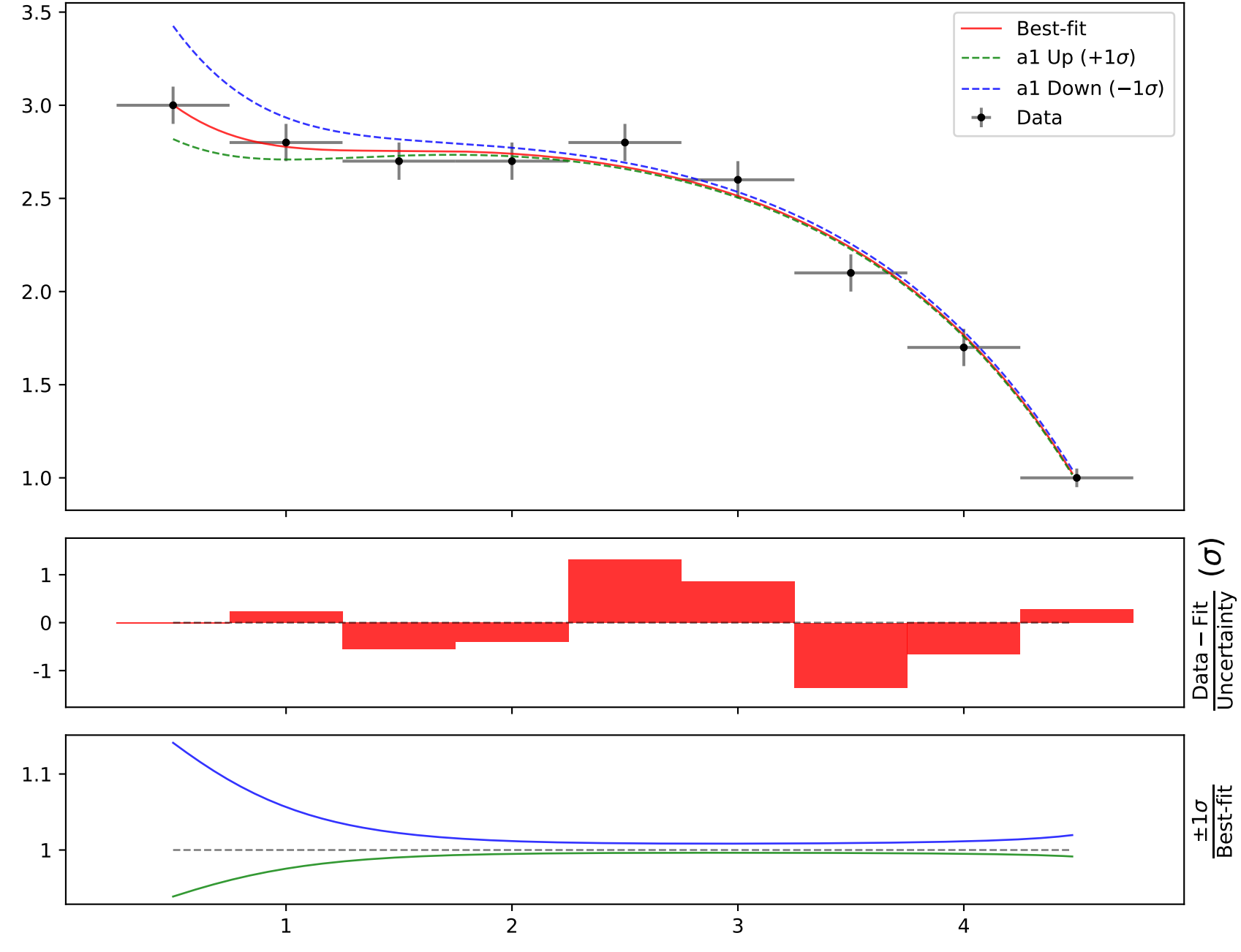
Candidate function #7

a4 + (a1 + exp(x0))*(a2 + tanh(a3*x0))

a1 = $-1.78716^{+0.3941(22.1\%)}_{-0.9082(50.8\%)}$, a2 = $-1.0221^{+0.001444(0.141\%)}_{-0.002023(0.198\%)}$,
a3 = $1.25367^{+1.379(110.0\%)}_{-0.3272(26.1\%)}$, a4 = $2.93768^{+0.2044(6.96\%)}_{-0.1111(3.78\%)}$

Candidate #7

χ^2/NDF = 5.356/5, RMSE = 0.07669, R2 = 0.9846

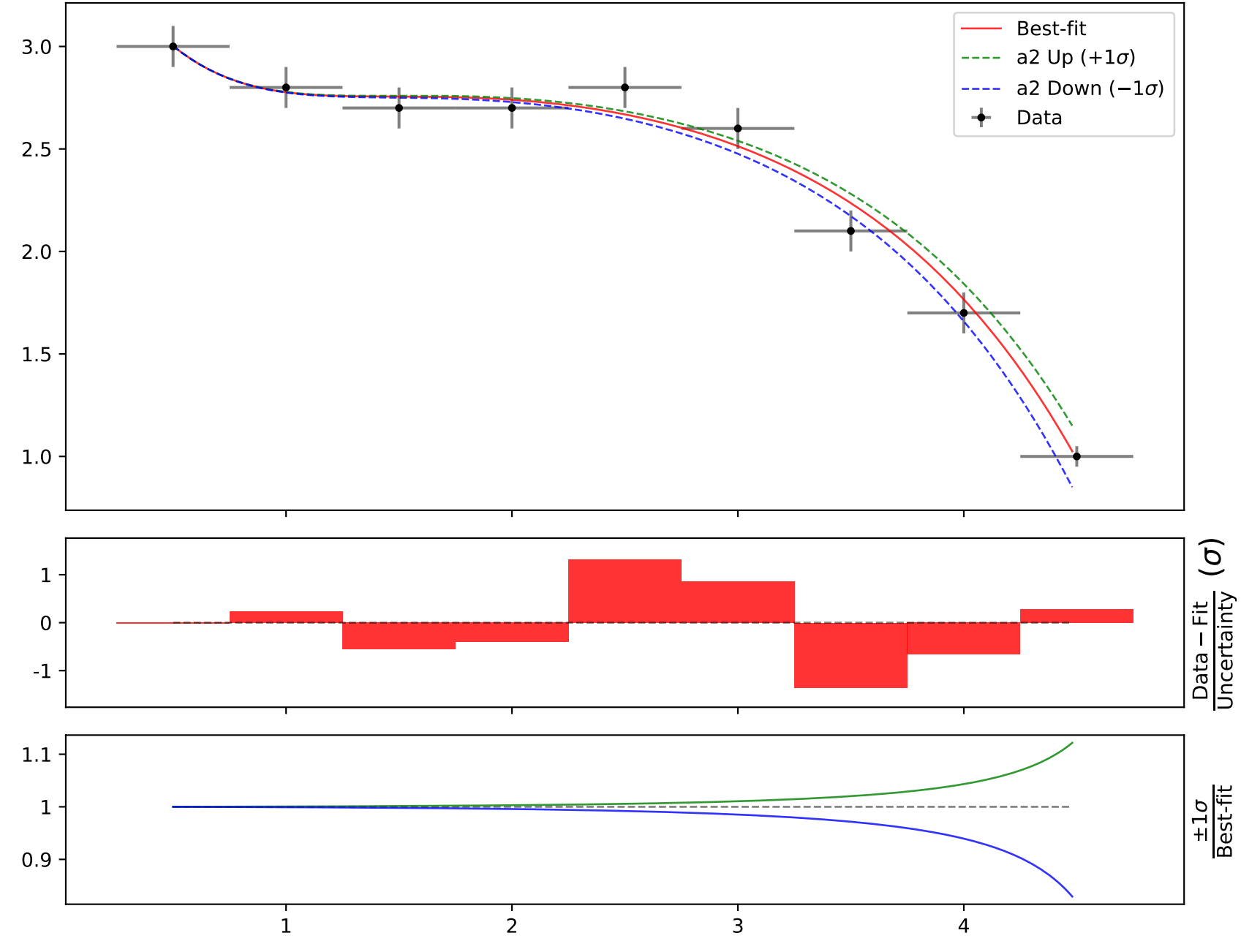


a4 + (a1 + exp(x0))*(a2 + tanh(a3*x0))

$a1 = -1.78716^{+0.3941(22.1\%)}_{-0.9082(50.8\%)}$, **$a2 = -1.0221^{+0.001444(0.141\%)}_{-0.002023(0.198\%)}$**,
$a3 = 1.25367^{+1.379(110.0\%)}_{-0.3272(26.1\%)}$, $a4 = 2.93768^{+0.2044(6.96\%)}_{-0.1111(3.78\%)}$

Candidate #7

χ^2/NDF = 5.356/5, RMSE = 0.07669, R2 = 0.9846

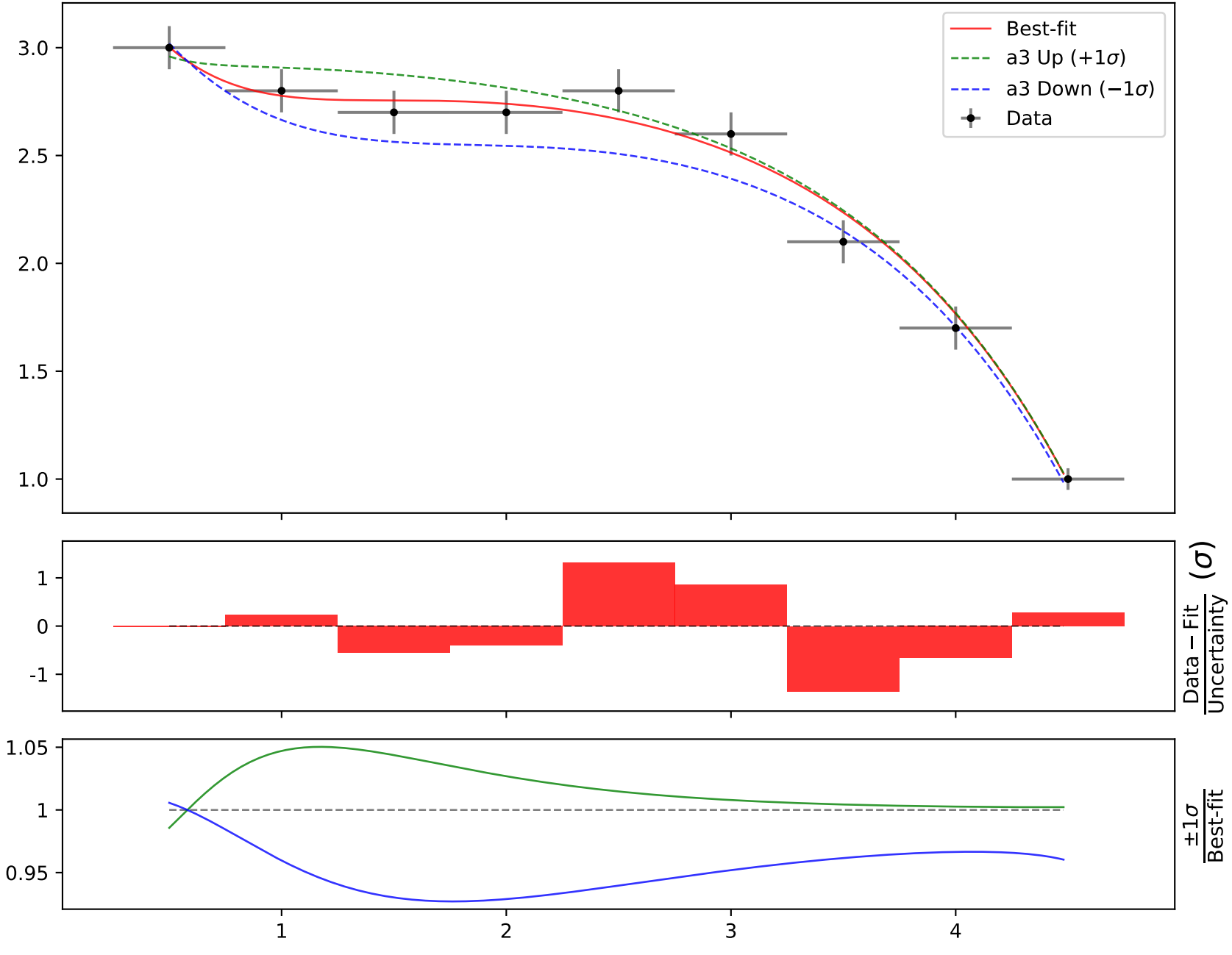


a4 + (a1 + exp(x0))*(a2 + tanh(a3*x0))

$a1 = -1.78716^{+0.3941(22.1\%)}_{-0.9082(50.8\%)}$, $a2 = -1.0221^{+0.001444(0.141\%)}_{-0.002023(0.198\%)}$,
$a3 = 1.25367^{+1.379(110.0\%)}_{-0.3272(26.1\%)}$, $a4 = 2.93768^{+0.2044(6.96\%)}_{-0.1111(3.78\%)}$

Candidate #7

χ^2/NDF = 5.356/5, RMSE = 0.07669, R2 = 0.9846

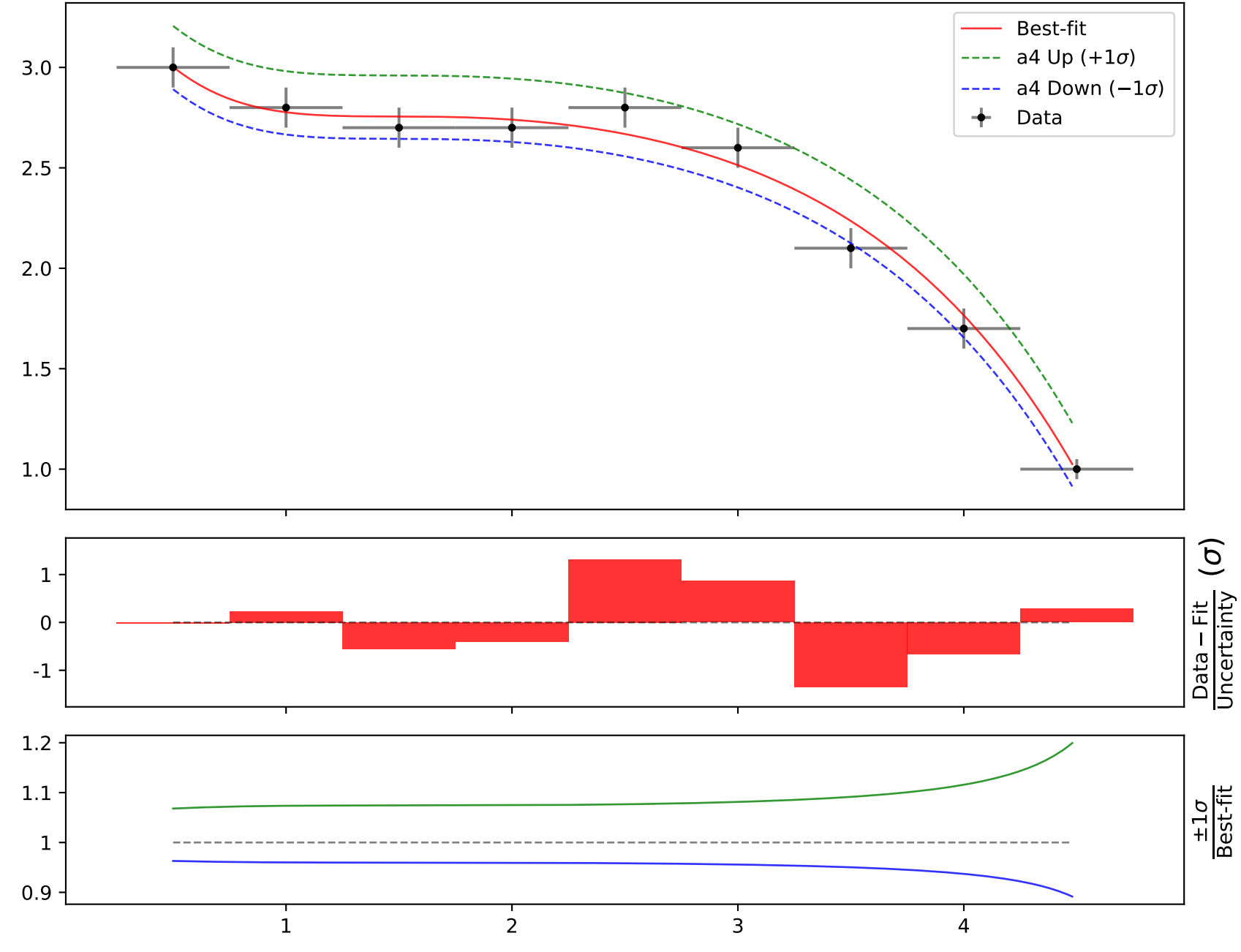


a4 + (a1 + exp(x0))*(a2 + tanh(a3*x0))

$a1 = -1.78716^{+0.3941(22.1\%)}_{-0.9082(50.8\%)}$, $a2 = -1.0221^{+0.001444(0.141\%)}_{-0.002023(0.198\%)}$,
$a3 = 1.25367^{+1.379(110.0\%)}_{-0.3272(26.1\%)}$, $\mathbf{a4 = 2.93768^{+0.2044(6.96\%)}_{-0.1111(3.78\%)}}$

Candidate #7

χ^2/NDF = 5.356/5, RMSE = 0.07669, R2 = 0.9846

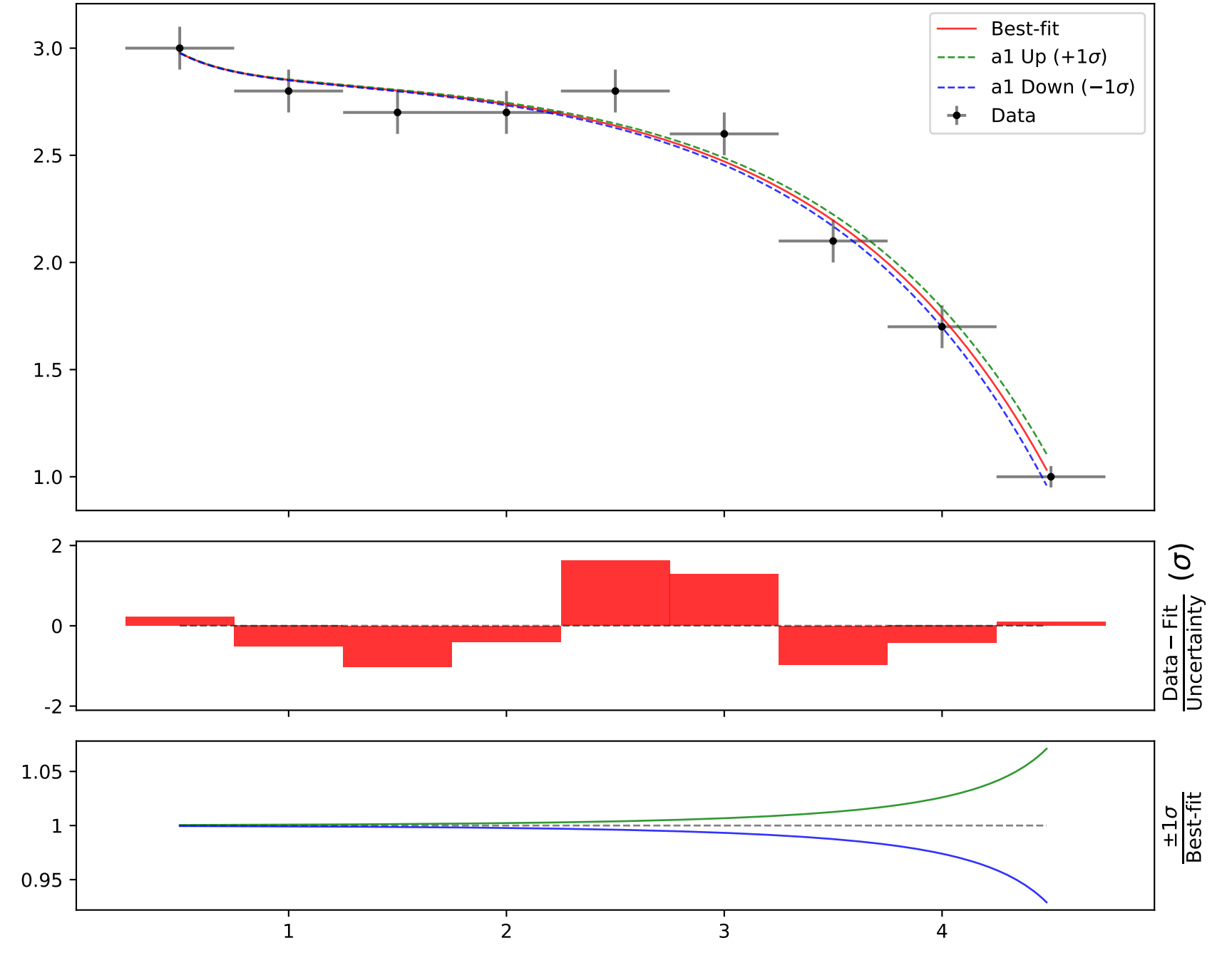


Candidate function #6

a1*exp(x0) + a2**x0 + a3

a1 = $-0.0211117^{+0.0008306(3.93\%)}_{-0.0008306(3.93\%)}$, $a2 = 0.0138$,
$a3 = 2.89536^{+0.0462(1.6\%)}_{-0.0462(1.6\%)}$

Candidate #6
χ^2/NDF = 6.913/7, RMSE = 0.0876, R2 = 0.9799



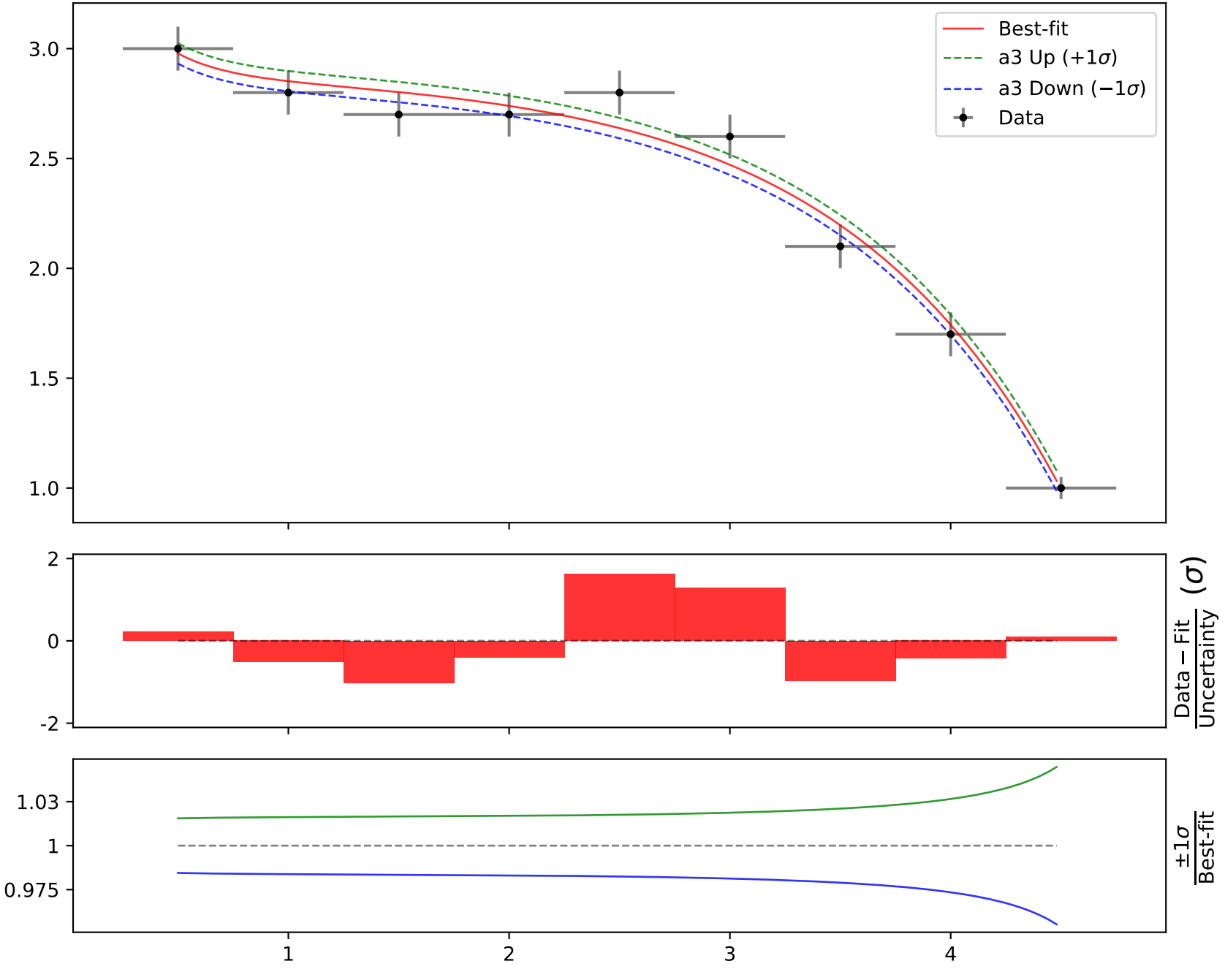
a1*exp(x0) + a2**x0 + a3

$a1 = -0.0211117^{+0.0008306(3.93\%)}_{-0.0008306(3.93\%)}$, $a2 = 0.0138$,

$a3 = 2.89536^{+0.0462(1.6\%)}_{-0.0462(1.6\%)}$

Candidate #6

χ^2/NDF = 6.913/7, RMSE = 0.0876, R2 = 0.9799

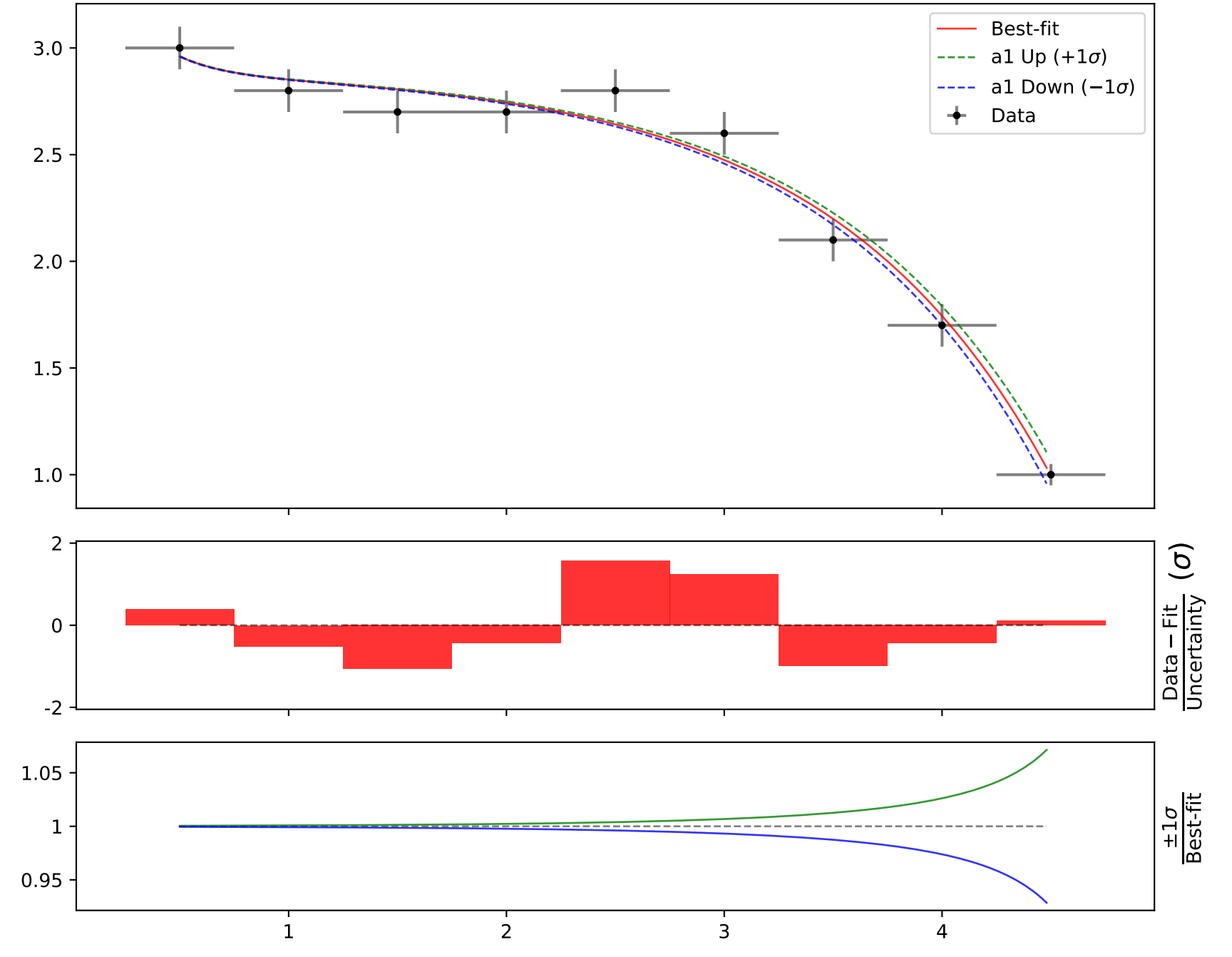


Candidate function #5

a1*exp(x0) + a2**x0 + a3

a1 = $-0.0211781^{+0.0008349(3.94\%)}_{-0.0008349(3.94\%)}$, $a2 = 0.00905$,
$a3 = 2.90044^{+0.04644(1.6\%)}_{-0.04644(1.6\%)}$

Candidate #5
χ^2/NDF = 6.985/7, RMSE = 0.08803, R2 = 0.9797



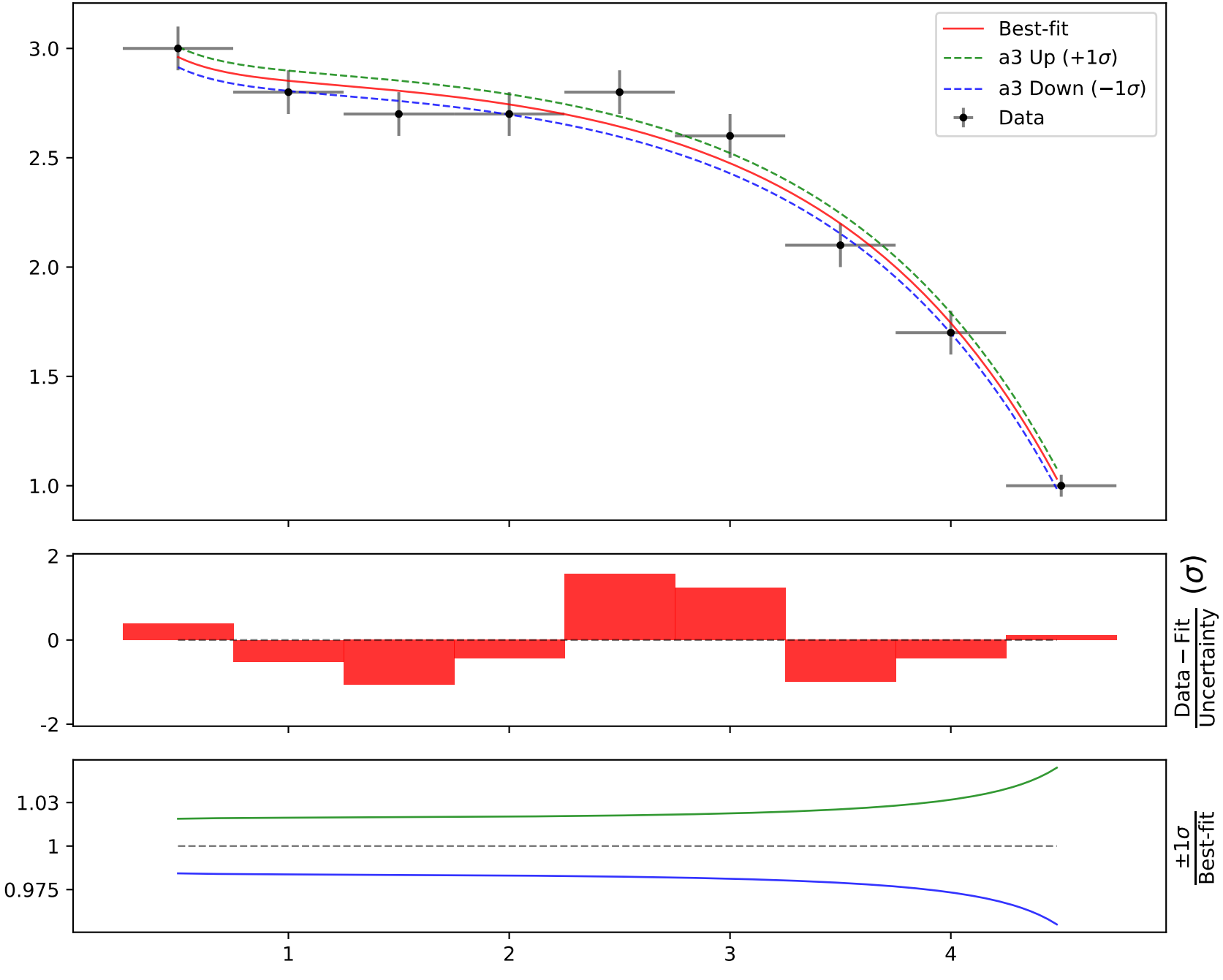
a1*exp(x0) + a2**x0 + a3

$a1 = -0.0211781^{+0.0008349(3.94\%)}_{-0.0008349(3.94\%)}$, $a2 = 0.00905$,

$a3 = 2.90044^{+0.04644(1.6\%)}_{-0.04644(1.6\%)}$

Candidate #5

χ^2/NDF = 6.985/7, RMSE = 0.08803, R2 = 0.9797

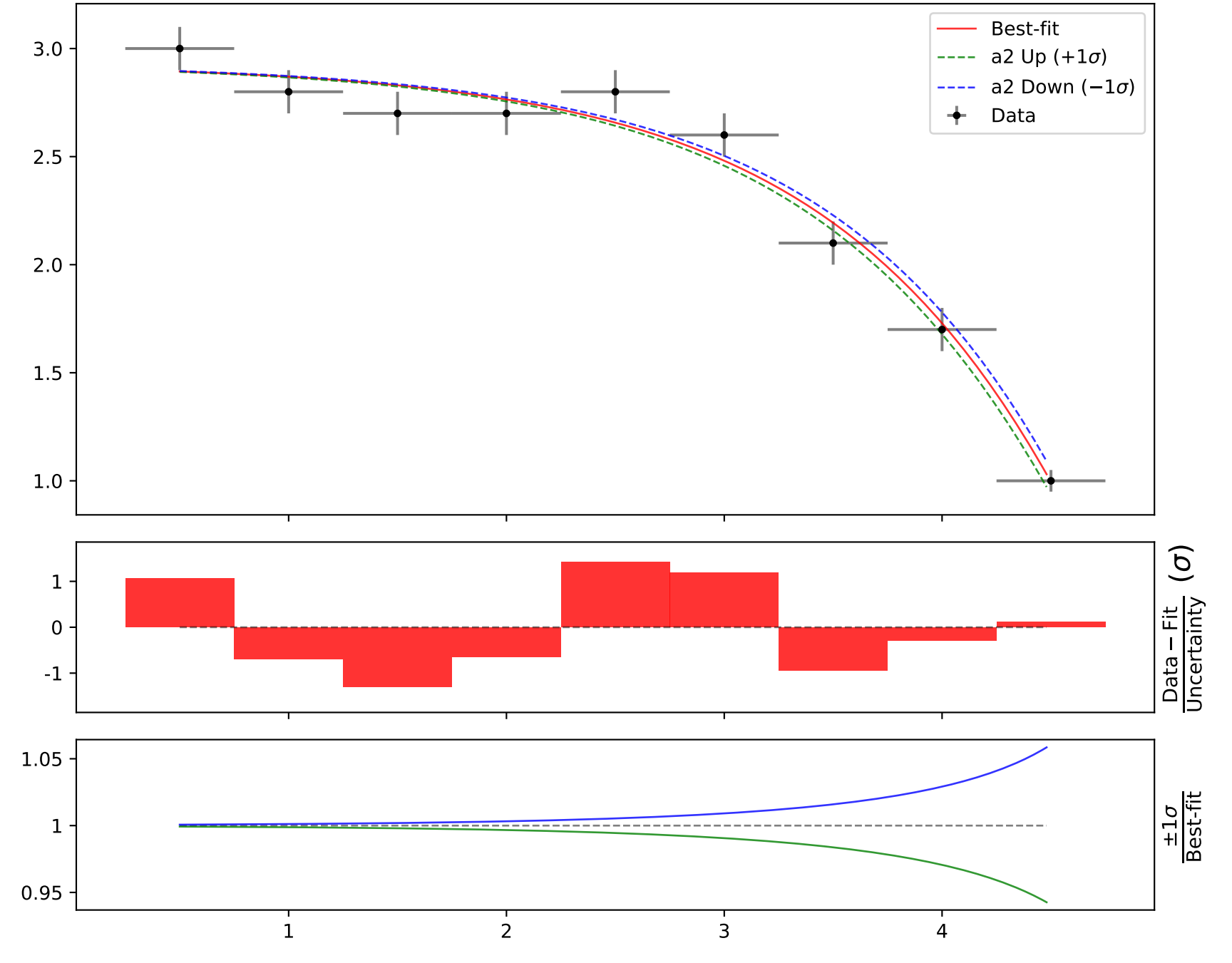


Candidate function #4

a3*(a1*exp(x0) + 1)**a2

$a1 = -0.00686$, $\mathbf{a2 = 1.12467^{+0.06354(5.65\%)}_{-0.06119(5.44\%)}}$,
$a3 = 2.93122^{+0.05329(1.82\%)}_{-0.0531(1.81\%)}$

Candidate #4
χ^2/NDF = 8.151/7, RMSE = 0.09511, R2 = 0.9763



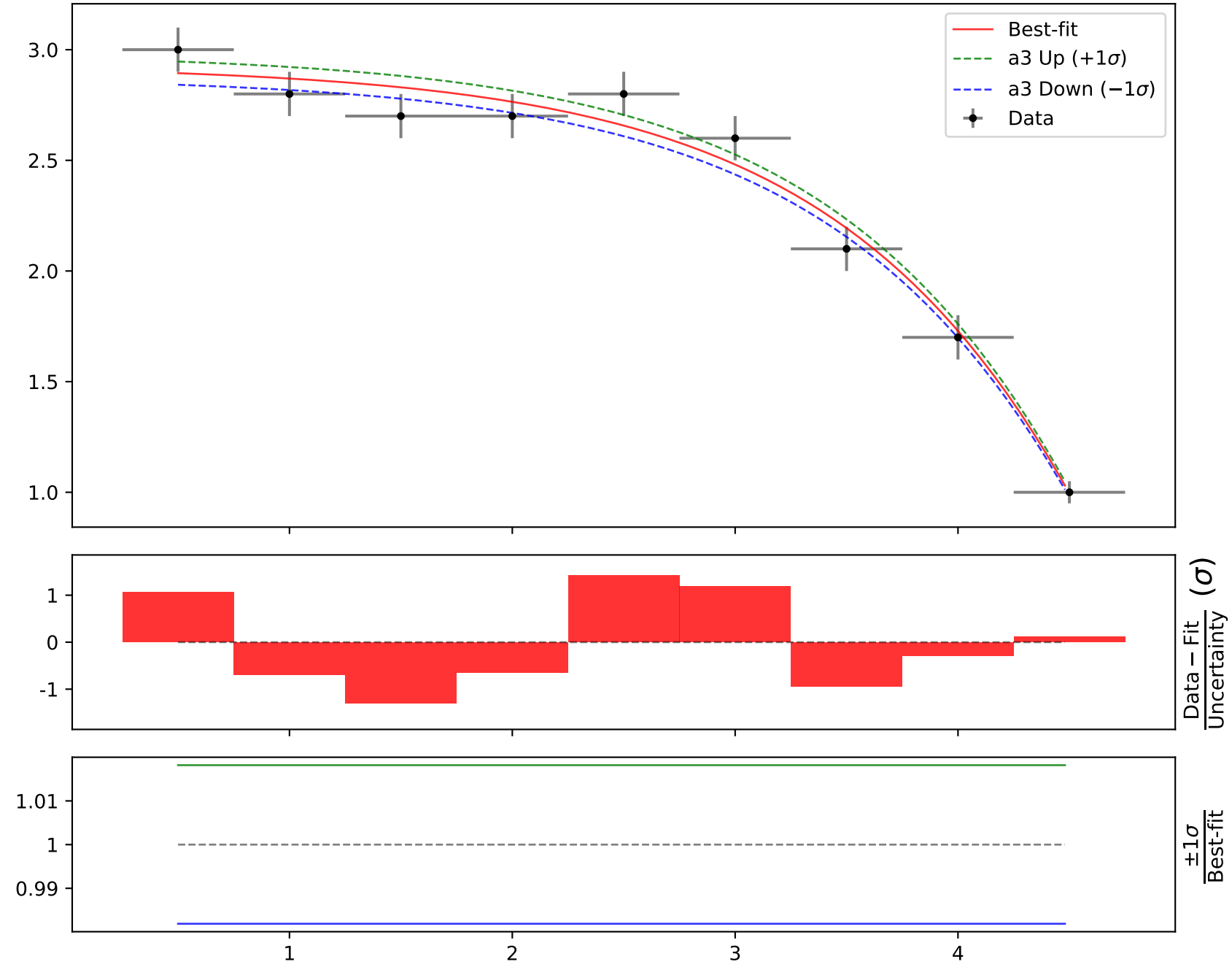
a3*(a1*exp(x0) + 1)**a2

$a1 = -0.00686,\ a2 = 1.12467^{+0.06354(5.65\%)}_{-0.06119(5.44\%)},$

$a3 = 2.93122^{+0.05329(1.82\%)}_{-0.0531(1.81\%)}$

Candidate #4

χ^2/NDF = 8.151/7, RMSE = 0.09511, R2 = 0.9763



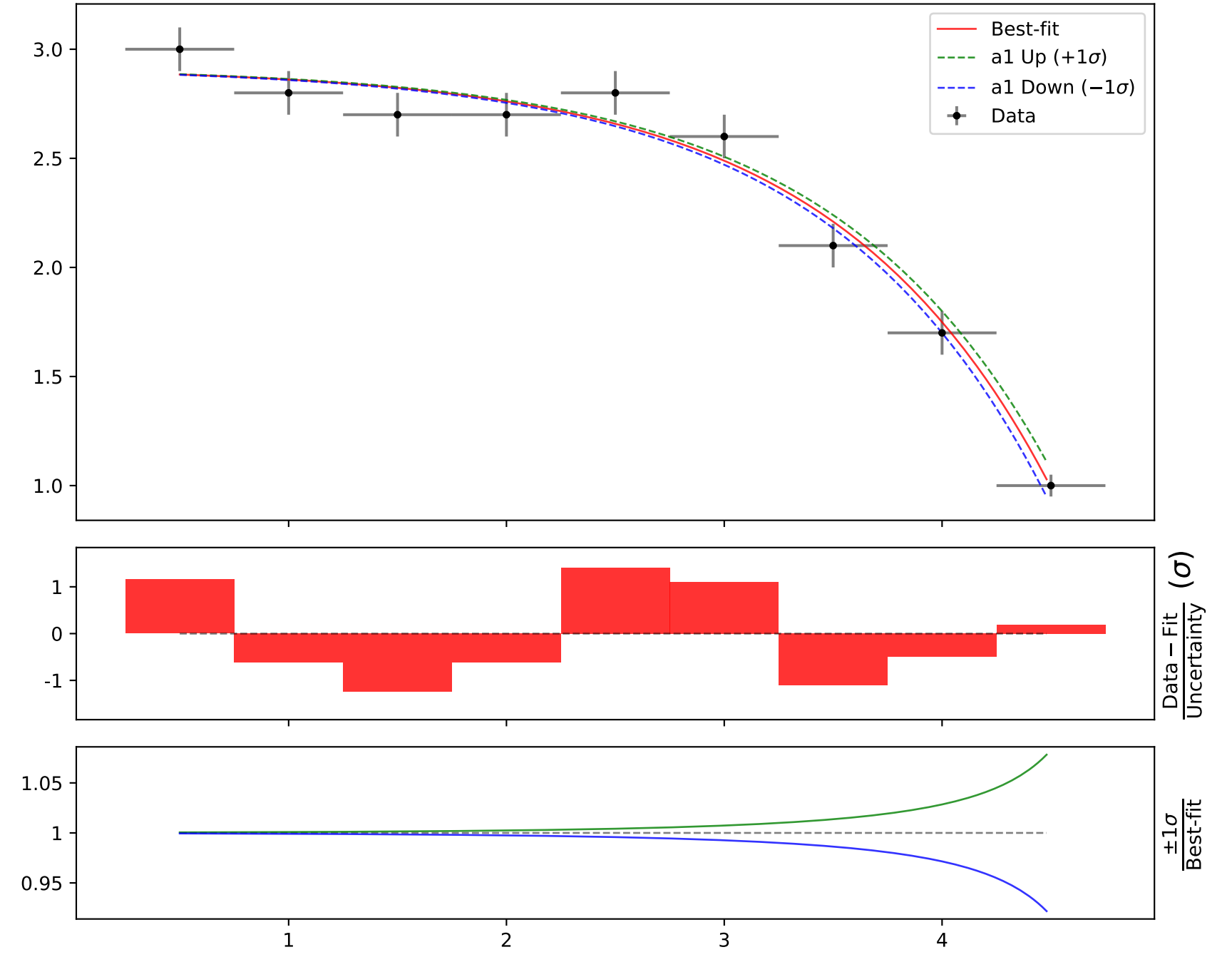
Candidate function #3

a1*exp(x0) + a2

$\mathbf{a1 = -0.0214288^{+0.0009122(4.26\%)}_{-0.0009122(4.26\%)}}$, $a2 = 2.91957^{+0.05074(1.74\%)}_{-0.05074(1.74\%)}$

Candidate #3

χ^2/NDF = 8.337/7, RMSE = 0.0961, R2 = 0.9758

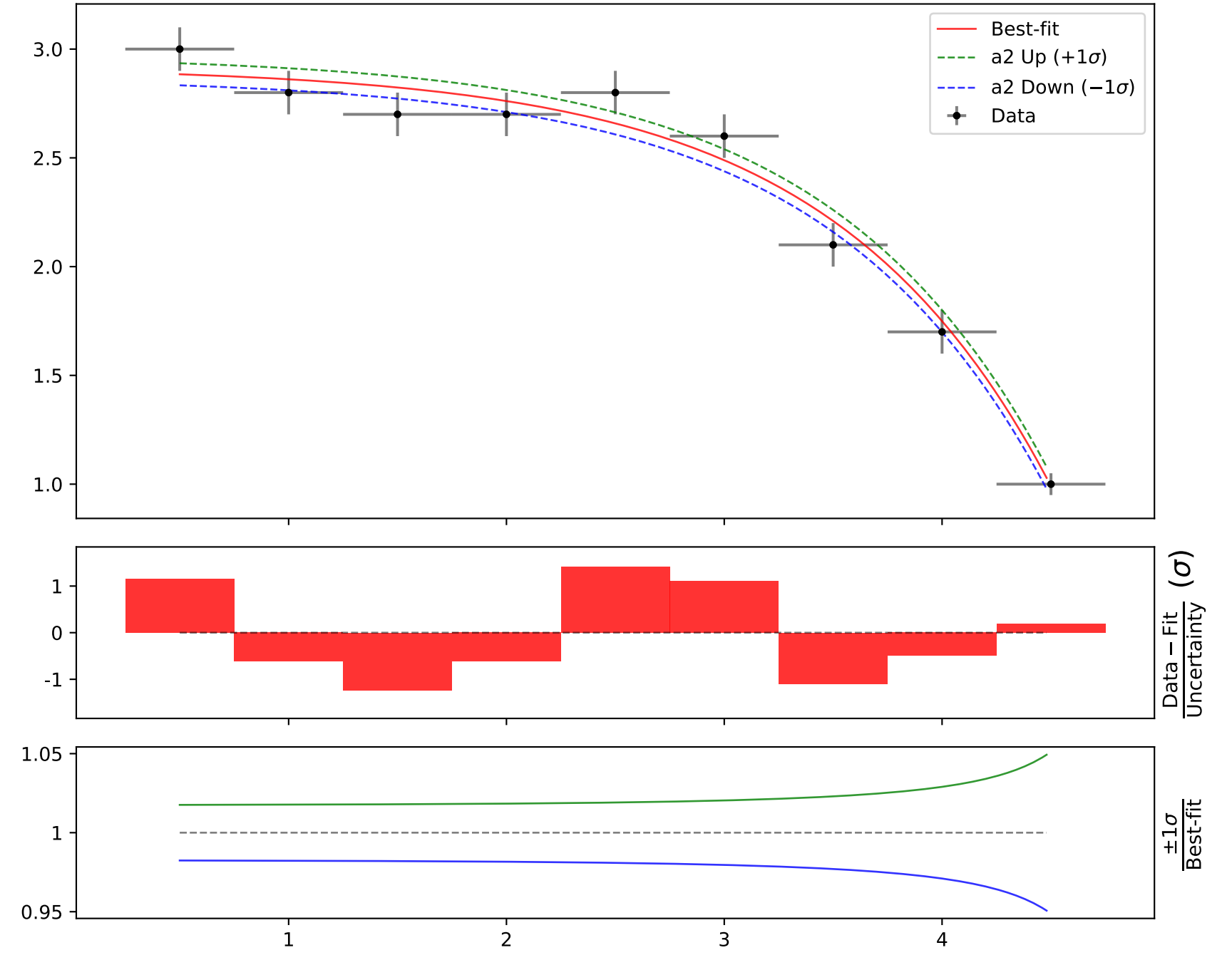


a1*exp(x0) + a2

$a1 = -0.0214288^{+0.0009122(4.26\%)}_{-0.0009122(4.26\%)}$, **$a2 = 2.91957^{+0.05074(1.74\%)}_{-0.05074(1.74\%)}$**

Candidate #3

χ^2/NDF = 8.337/7, RMSE = 0.0961, R2 = 0.9758



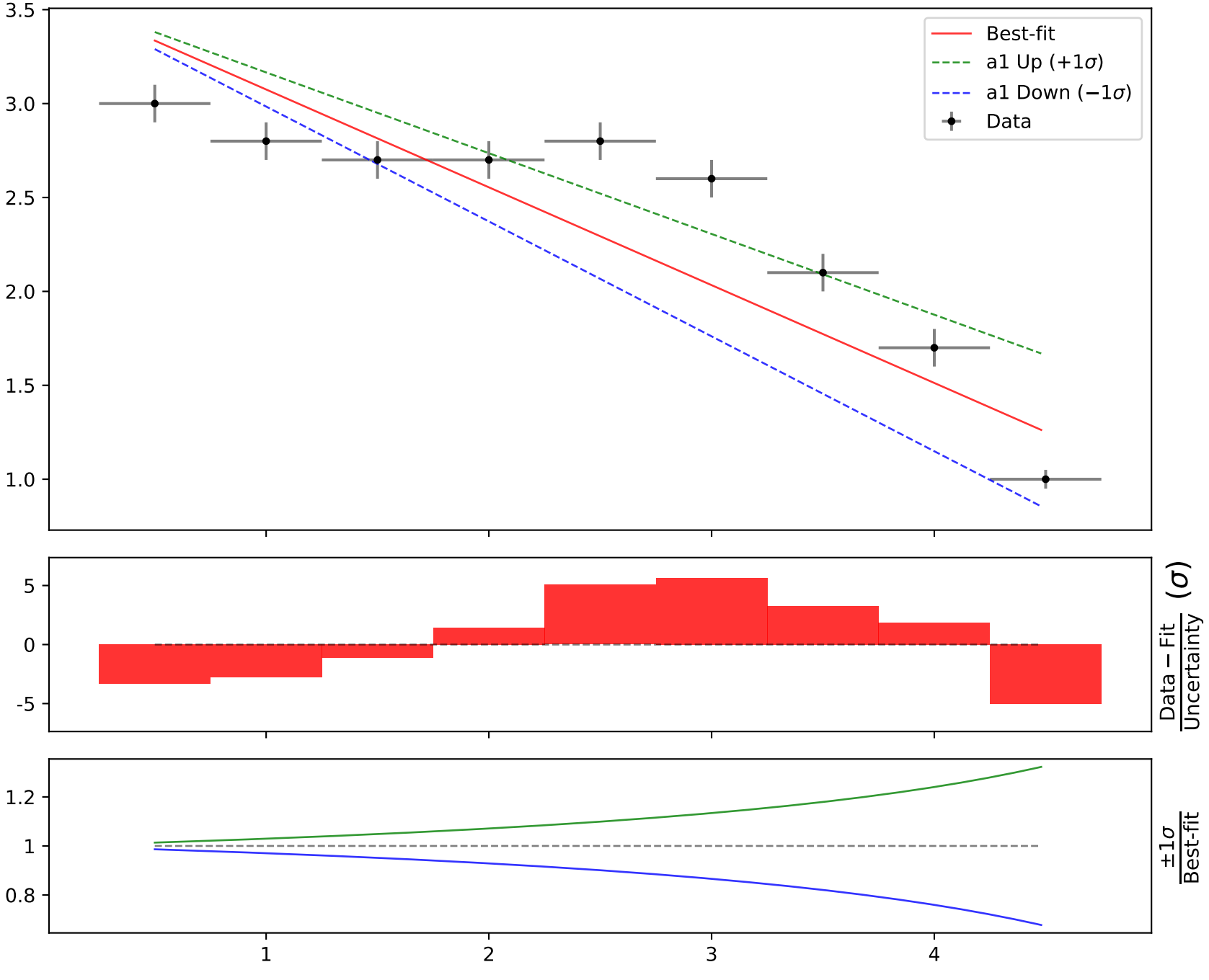
Candidate function #2

a1*x0 + a2

$\mathbf{a1 = -0.520833^{+0.09086(17.4\%)}_{-0.09086(17.4\%)}}$, $a2 = 3.59583^{+0.3013(8.38\%)}_{-0.3013(8.38\%)}$

Candidate #2

χ^2/NDF = 119.6/7, RMSE = 0.3343, R2 = 0.7073

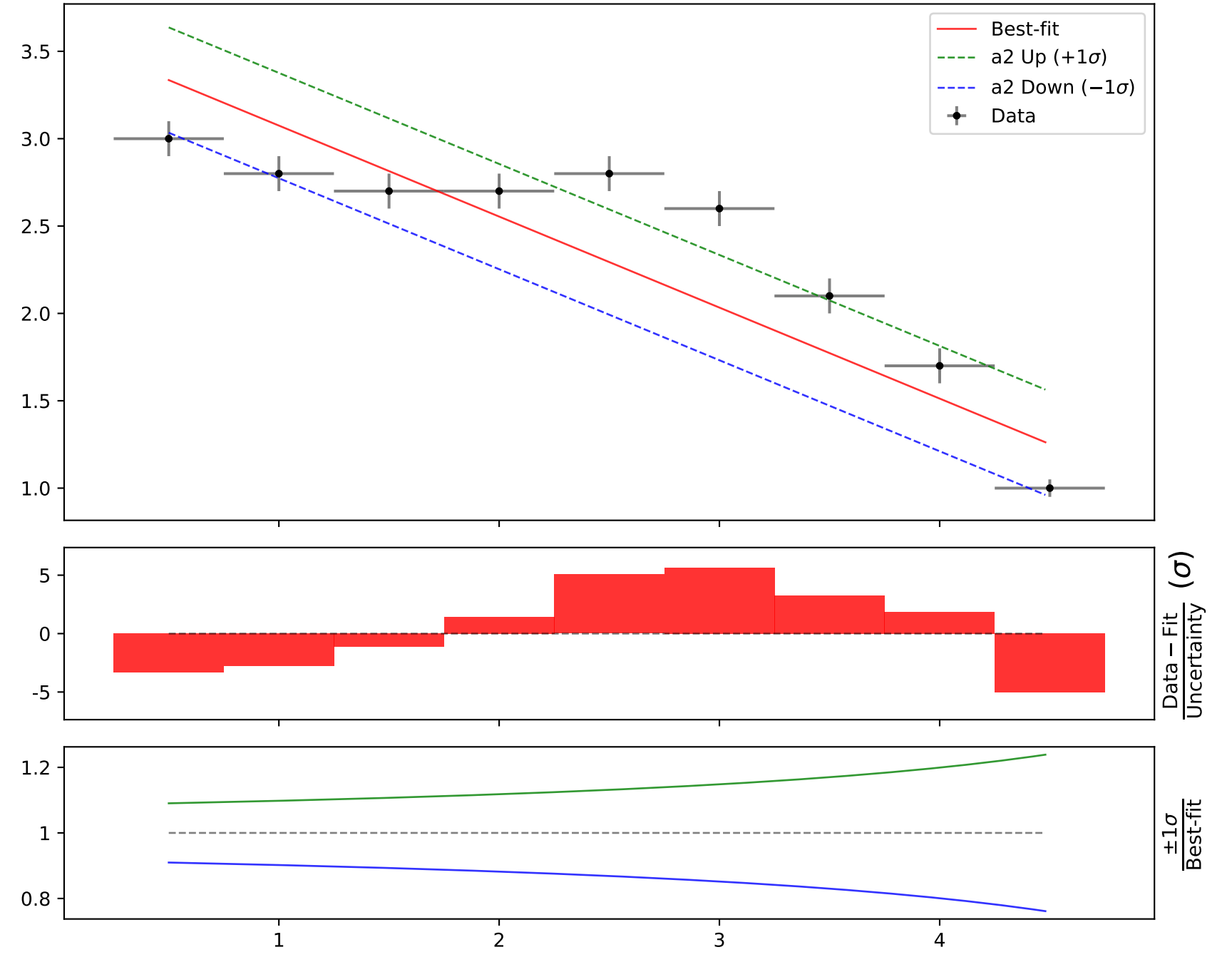


a1*x0 + a2

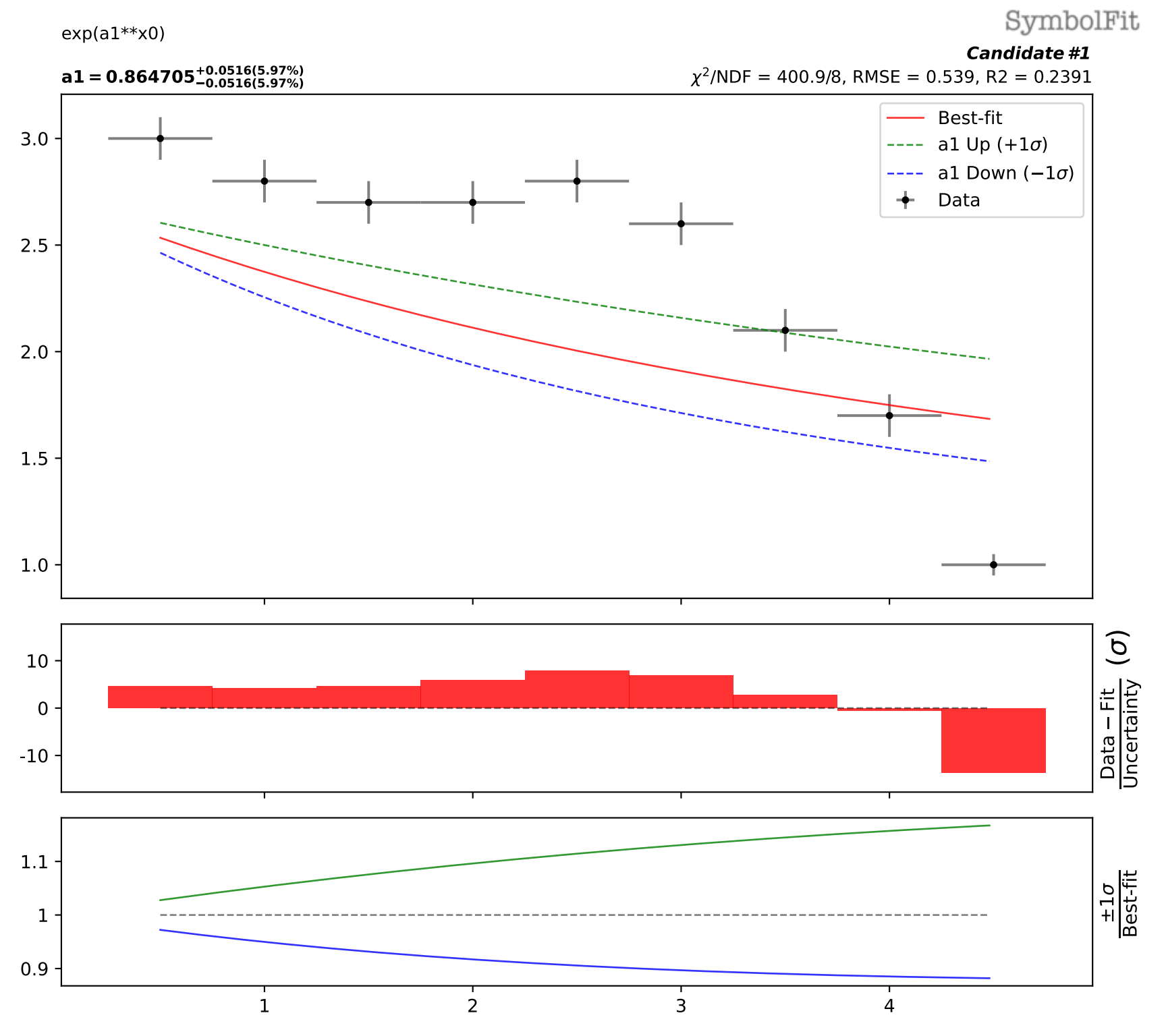
$a1 = -0.520833^{+0.09086(17.4\%)}_{-0.09086(17.4\%)}$, **$a2 = 3.59583^{+0.3013(8.38\%)}_{-0.3013(8.38\%)}$**

Candidate #2

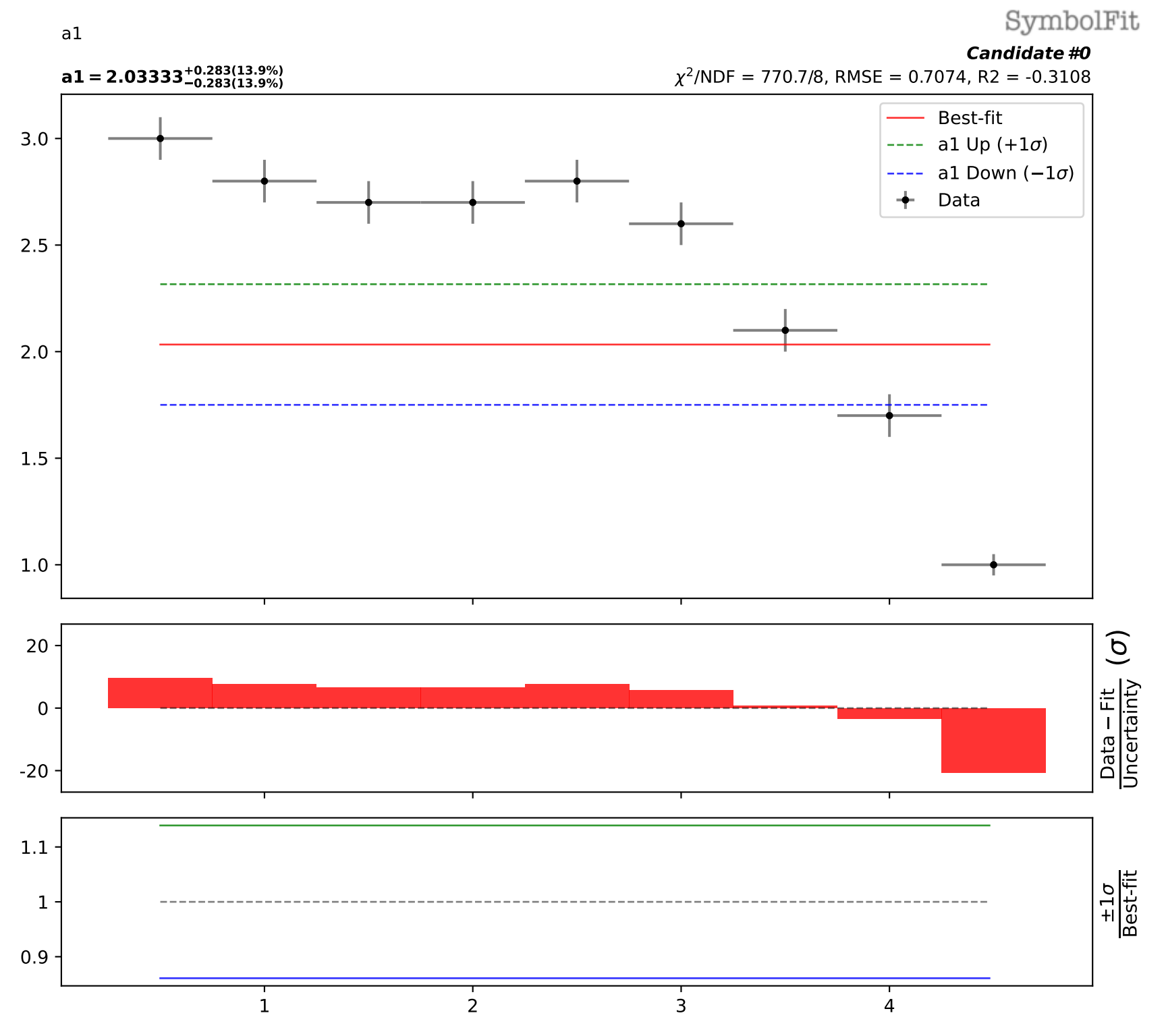
χ^2/NDF = 119.6/7, RMSE = 0.3343, R2 = 0.7073



Candidate function #1


exp(a1**x0)
SymbolFit
Candidate #1
a1 = 0.864705 +0.0516(5.97%) −0.0516(5.97%)
χ²/NDF = 400.9/8, RMSE = 0.539, R2 = 0.2391
Best-fit
a1 Up (+1σ)
a1 Down (−1σ)
Data
3.0
2.5
2.0
1.5
1.0
10
0
-10
Data − Fit / Uncertainty (σ)
1.1
1
0.9
±1σ / Best-fit
1
2
3
4

Candidate function #0


a1
SymbolFit
Candidate #0
a1 = 2.03333 +0.283(13.9%) −0.283(13.9%)
χ²/NDF = 770.7/8, RMSE = 0.7074, R2 = -0.3108
Best-fit
a1 Up (+1σ)
a1 Down (−1σ)
Data
3.0
2.5
2.0
1.5
1.0
20
0
-20
Data − Fit / Uncertainty (σ)
1.1
1
0.9
±1σ / Best-fit
1
2
3
4