Candidate function #25

1.0*((a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a7*((x0 - 1568.5) * 0.000145275))*(a5 + tanh(a6*((x0 - 1568.5) * 0.000145275)*(((x0 - 1568.5) * 0.000145275)**2)**a4)))

SymbolFit

$a1 = -0.722,\ a2 = 0.00055,$

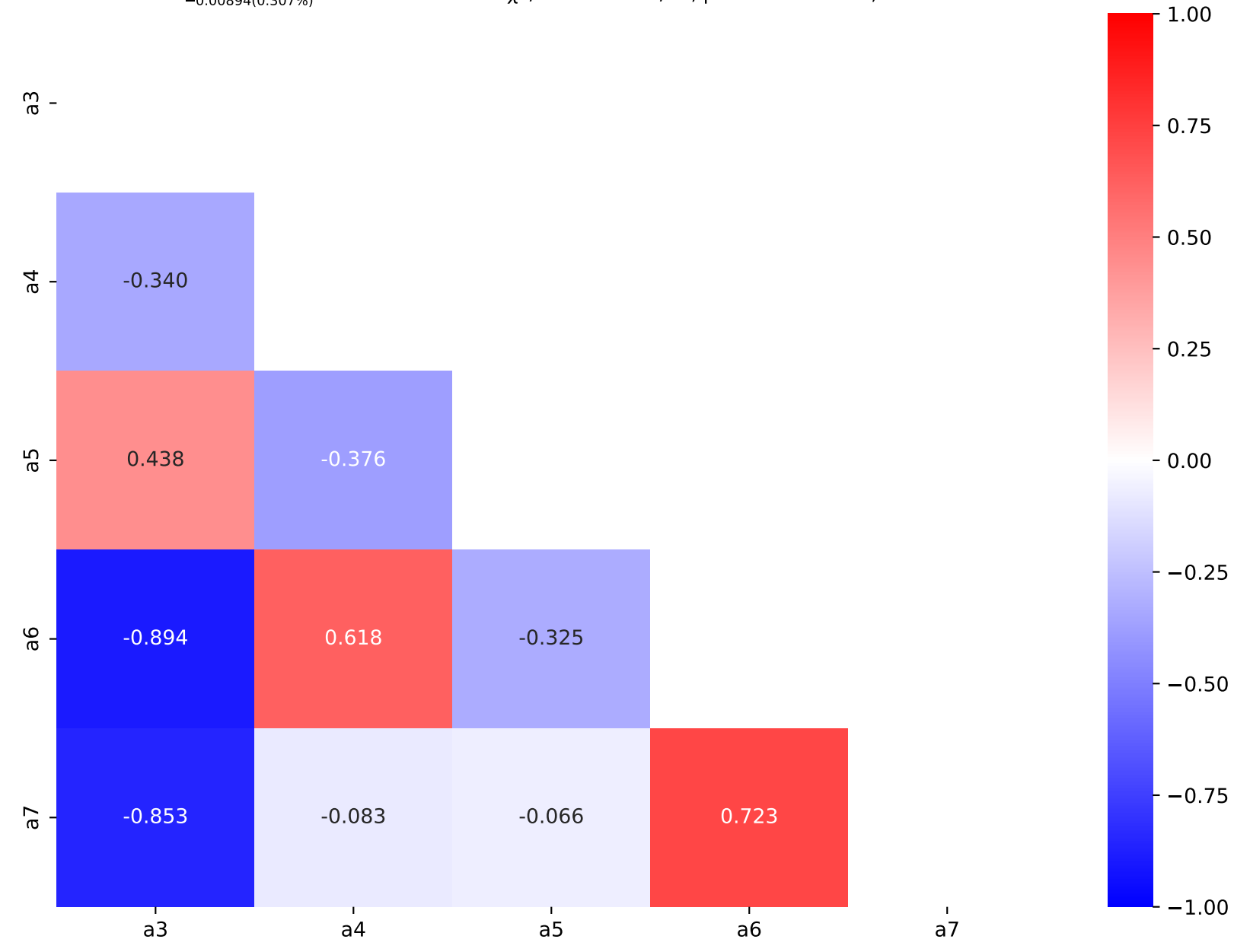
$a3 = 0.00464521^{+7.94e-05(1.71\%)}_{-7.94e-05(1.71\%)},\ a4 = 0.564596^{+0.0218(3.86\%)}_{-0.0218(3.86\%)},$

$a5 = 0.661954^{+0.000489(0.0739\%)}_{-0.000489(0.0739\%)},\ a6 = 3.72985^{+0.341(9.14\%)}_{-0.341(9.14\%)},$

$a7 = 2.91192^{+0.00894(0.307\%)}_{-0.00894(0.307\%)}$

Candidate #25

χ^2/NDF = 40.49/37, p-value = 0.3189, RMSE = 0.02977



Candidate function #24

1.0*((a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a7*((x0 - 1568.5) * 0.000145275))*(a5 + a6*((x0 - 1568.5) * 0.000145275)*(((x0 - 1568.5) * 0.000145275)**2)**a4))

SymbolFit

$a1 = -0.722,\ a2 = 0.00055,$

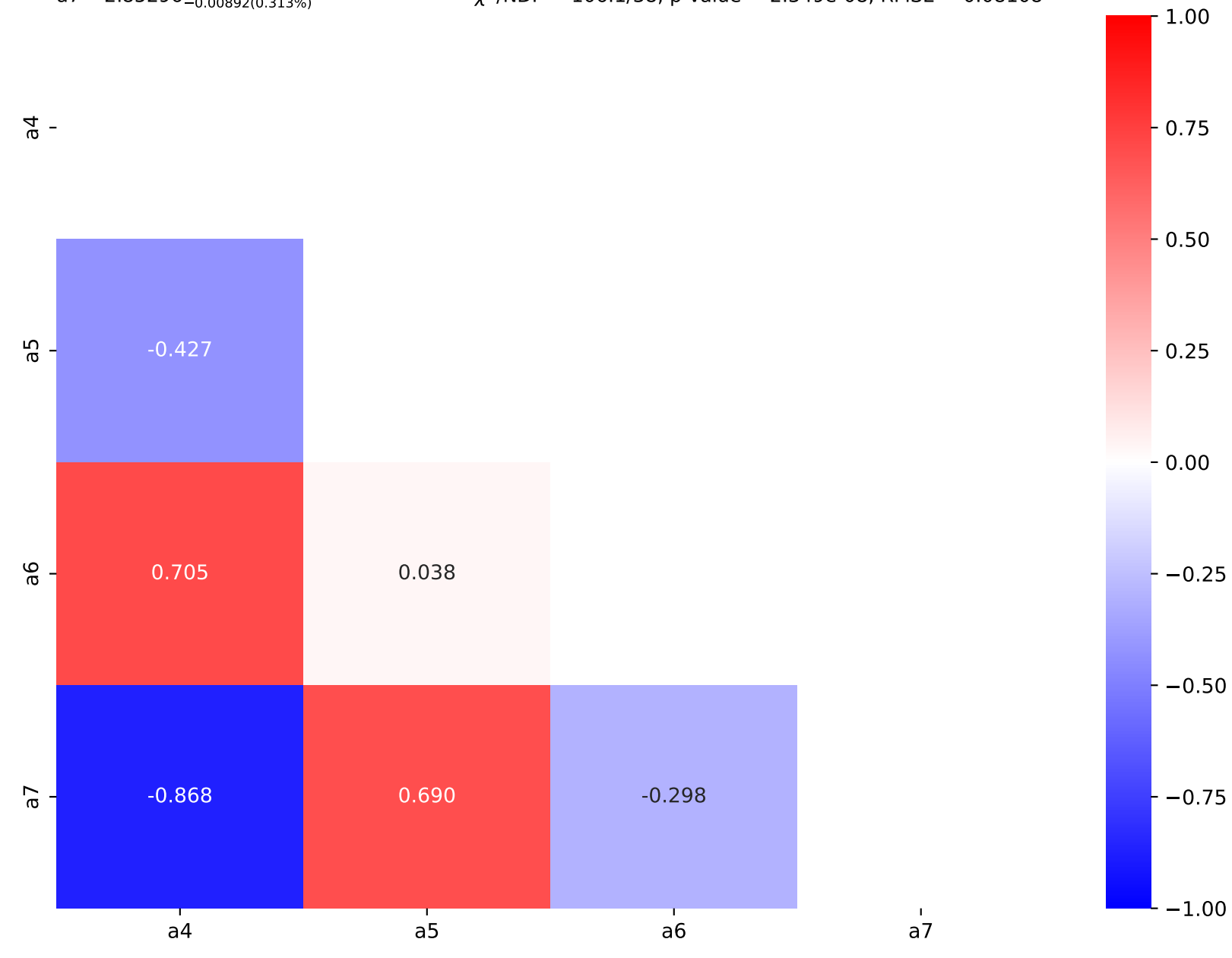
$a3 = 0.00524,\ a4 = 0.495449^{+0.0544(11.0\%)}_{-0.0544(11.0\%)},$

$a5 = 0.663293^{+0.000733(0.111\%)}_{-0.000733(0.111\%)},\ a6 = 1.71741^{+0.139(8.09\%)}_{-0.139(8.09\%)},$

$a7 = 2.85296^{+0.00892(0.313\%)}_{-0.00892(0.313\%)}$

Candidate #24

χ^2/NDF = 106.1/38, p-value = 2.349e-08, RMSE = 0.08108



Candidate function #23

1.0*((a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a6*((x0 - 1568.5) * 0.000145275))*(a5 + ((x0 - 1568.5) * 0.000145275)*(a4 + ((x0 - 1568.5) * 0.000145275))))

SymbolFit

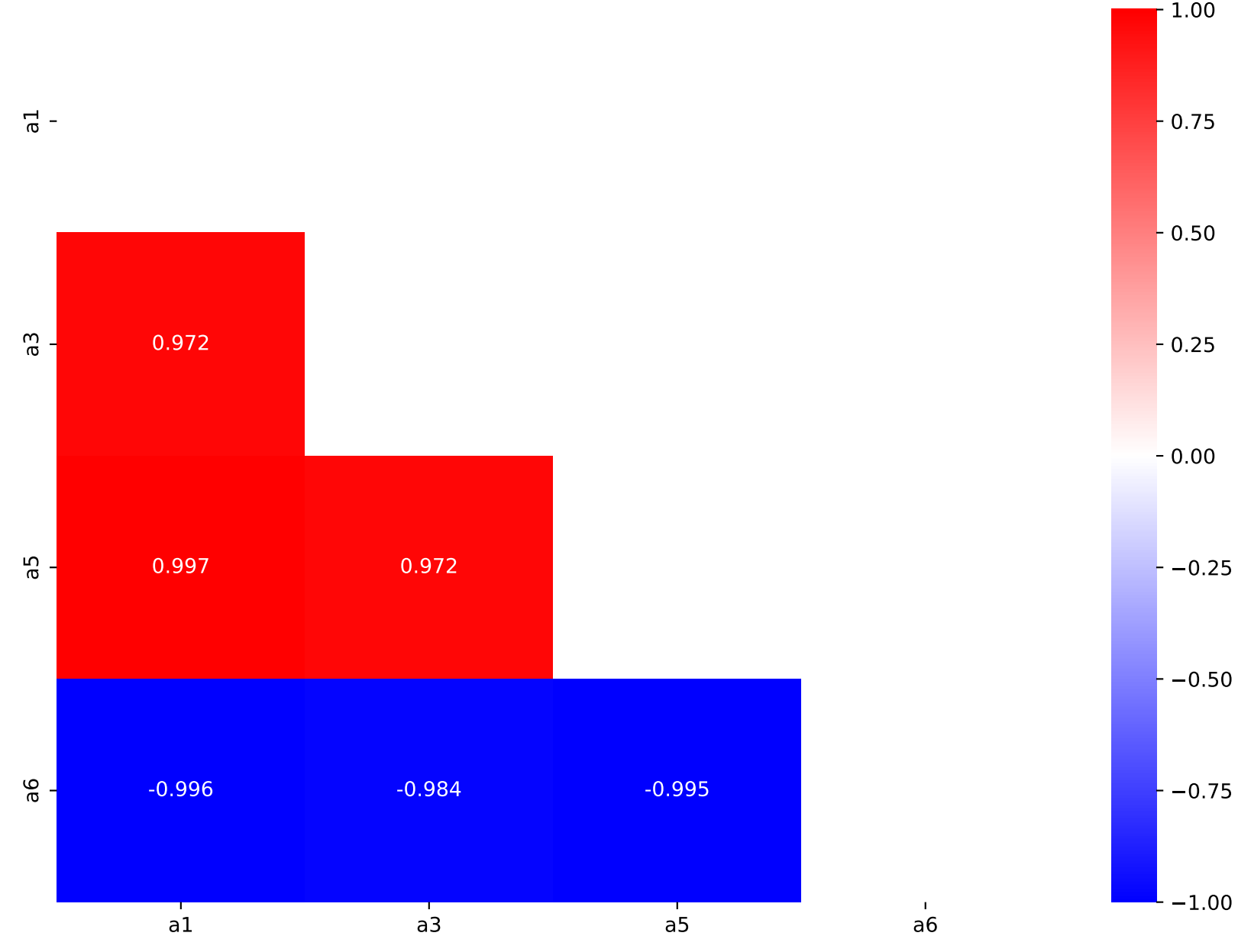
$a1 = -0.927491^{+0.0166(1.79\%)}_{-0.0166(1.79\%)}$, $a2 = 0.000548$,

$a3 = 0.00401264^{+0.000113(2.82\%)}_{-0.000113(2.82\%)}$, $a4 = 0.105$,

$a5 = 0.141174^{+0.0176(12.5\%)}_{-0.0176(12.5\%)}$, $a6 = 2.9227^{+0.0205(0.701\%)}_{-0.0205(0.701\%)}$

Candidate #23

χ^2/NDF = 49.67/38, p-value = 0.09745, RMSE = 0.03968



Candidate function #22

1.0*((a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a6*((x0 - 1568.5) * 0.000145275))*(a5 + ((x0 - 1568.5) * 0.000145275)*(a4 + ((x0 - 1568.5) * 0.000145275))))

SymbolFit

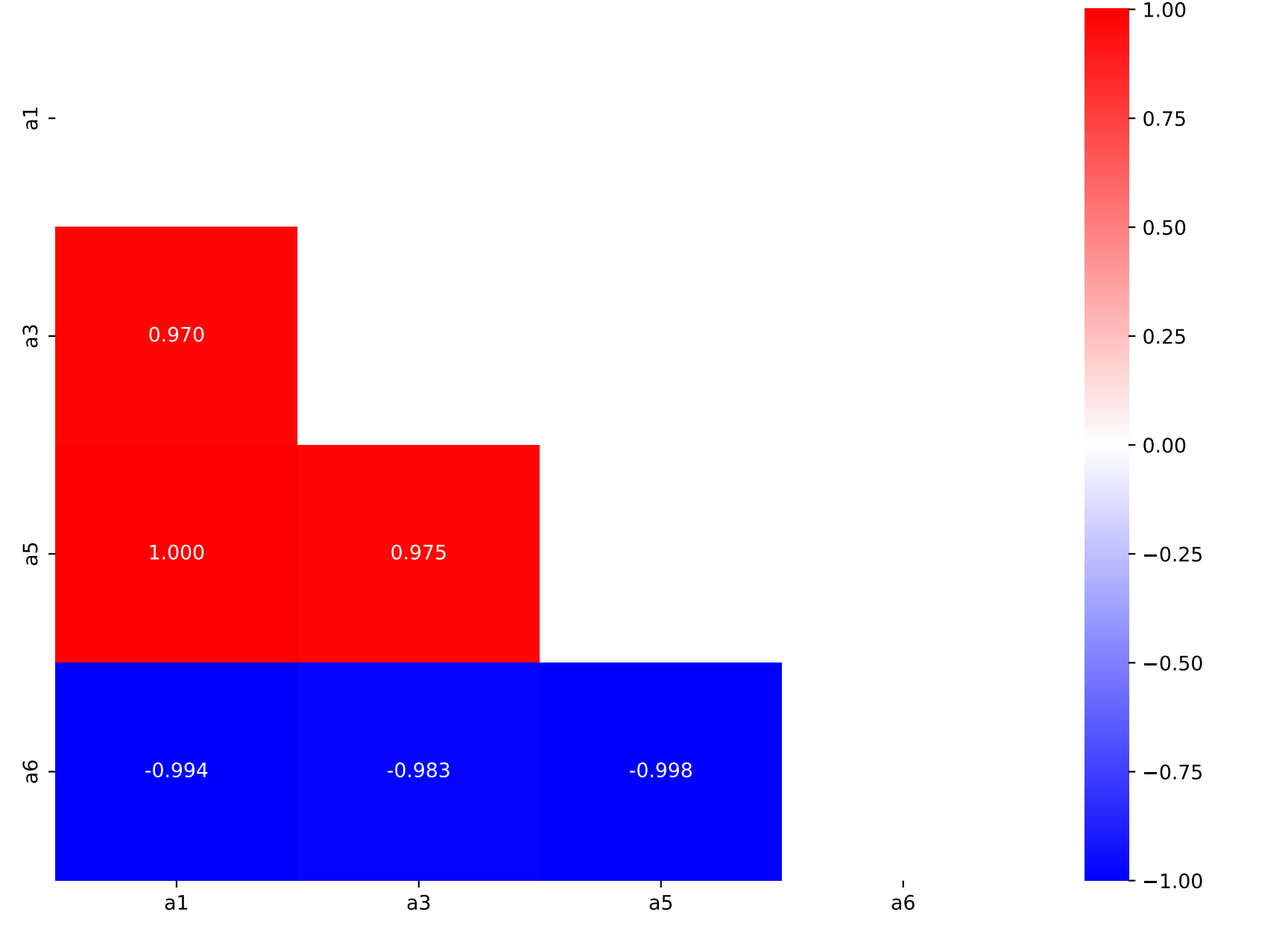
$a1 = -0.92779^{+0.0166(1.79\%)}_{-0.0166(1.79\%)}$, $a2 = 0.000549$,

$a3 = 0.00401829^{+0.000113(2.81\%)}_{-0.000113(2.81\%)}$, $a4 = 0.105$,

$a5 = 0.141095^{+0.0175(12.4\%)}_{-0.0175(12.4\%)}$, $a6 = 2.92349^{+0.0205(0.701\%)}_{-0.0205(0.701\%)}$

Candidate #22

χ^2/NDF = 49.63/38, p-value = 0.09808, RMSE = 0.0396



Candidate function #21

1.0*((a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a6*((x0 - 1568.5) * 0.000145275))*(a5 + ((x0 - 1568.5) * 0.000145275)*(a4 + ((x0 - 1568.5) * 0.000145275))))

SymbolFit

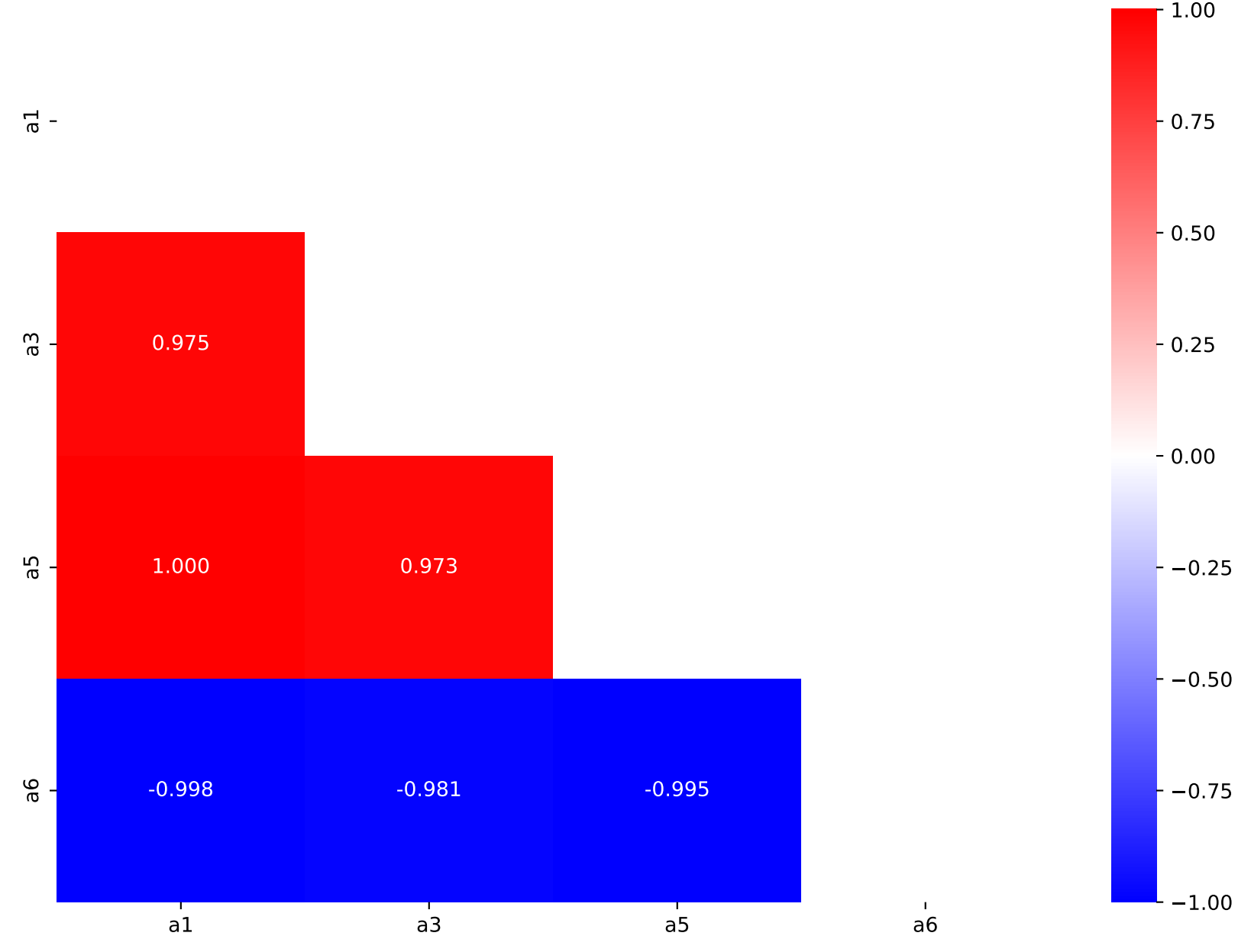
$a1 = -0.928088^{+0.0165(1.78\%)}_{-0.0165(1.78\%)}$, $a2 = 0.00055$,

$a3 = 0.00402393^{+0.000113(2.81\%)}_{-0.000113(2.81\%)}$, $a4 = 0.105$,

$a5 = 0.141017^{+0.0175(12.4\%)}_{-0.0175(12.4\%)}$, $a6 = 2.92428^{+0.0205(0.701\%)}_{-0.0205(0.701\%)}$

Candidate #21

χ^2/NDF = 49.59/38, p-value = 0.09871, RMSE = 0.03953



Candidate function #20

1.0*((a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a6*((x0 - 1568.5) * 0.000145275))*(a5 + ((x0 - 1568.5) * 0.000145275)*(a4 + ((x0 - 1568.5) * 0.000145275))))

SymbolFit

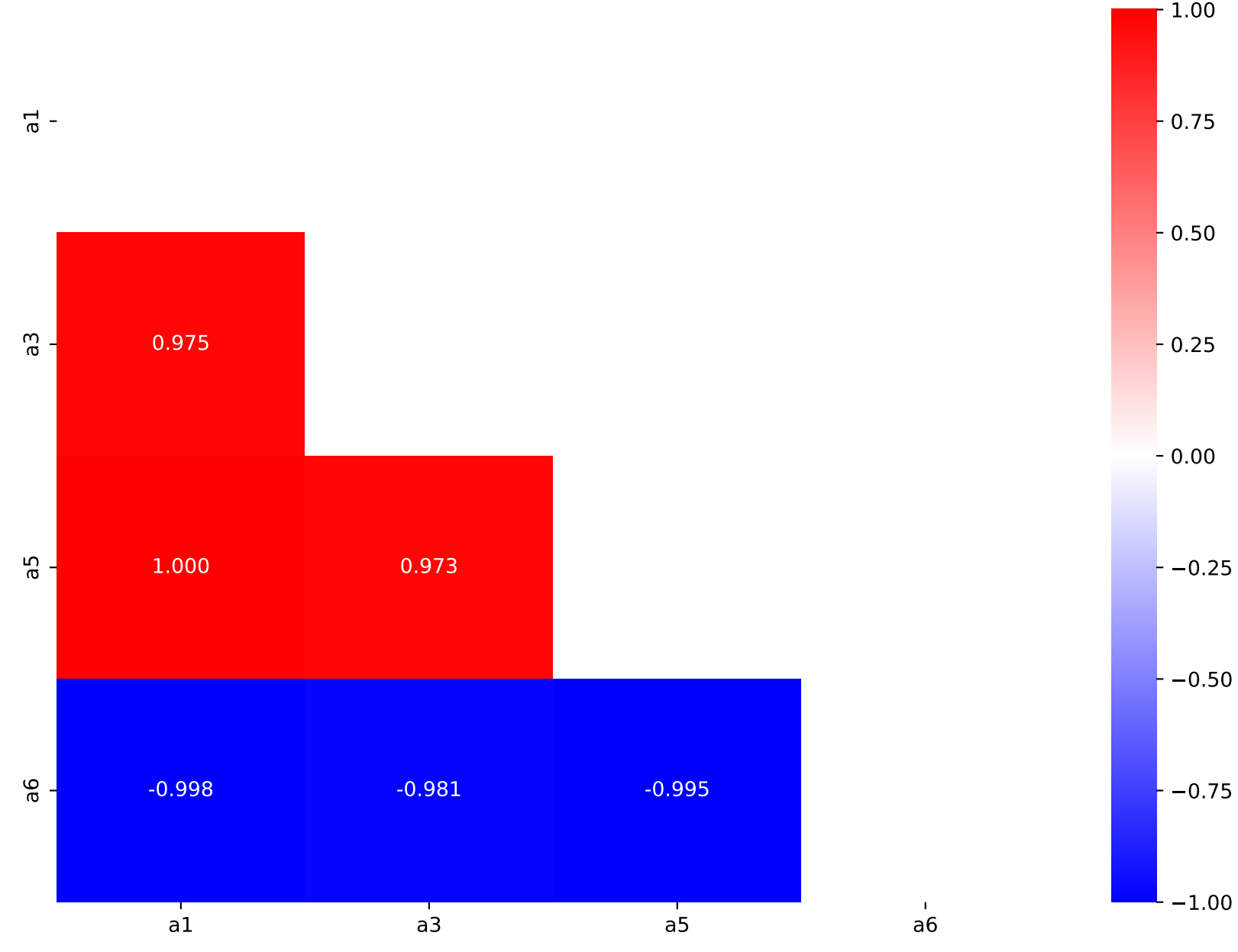
$a1 = -0.928088^{+0.0165(1.78\%)}_{-0.0165(1.78\%)}$, $a2 = 0.00055$,

$a3 = 0.00402393^{+0.000113(2.81\%)}_{-0.000113(2.81\%)}$, $a4 = 0.105$,

$a5 = 0.141017^{+0.0175(12.4\%)}_{-0.0175(12.4\%)}$, $a6 = 2.92428^{+0.0205(0.701\%)}_{-0.0205(0.701\%)}$

Candidate #20

χ^2/NDF = 49.59/38, p-value = 0.09871, RMSE = 0.03953



Candidate function #19

1.0*((a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a5*((x0 - 1568.5) * 0.000145275))*(a4 + ((x0 - 1568.5) * 0.000145275)**2))

SymbolFit

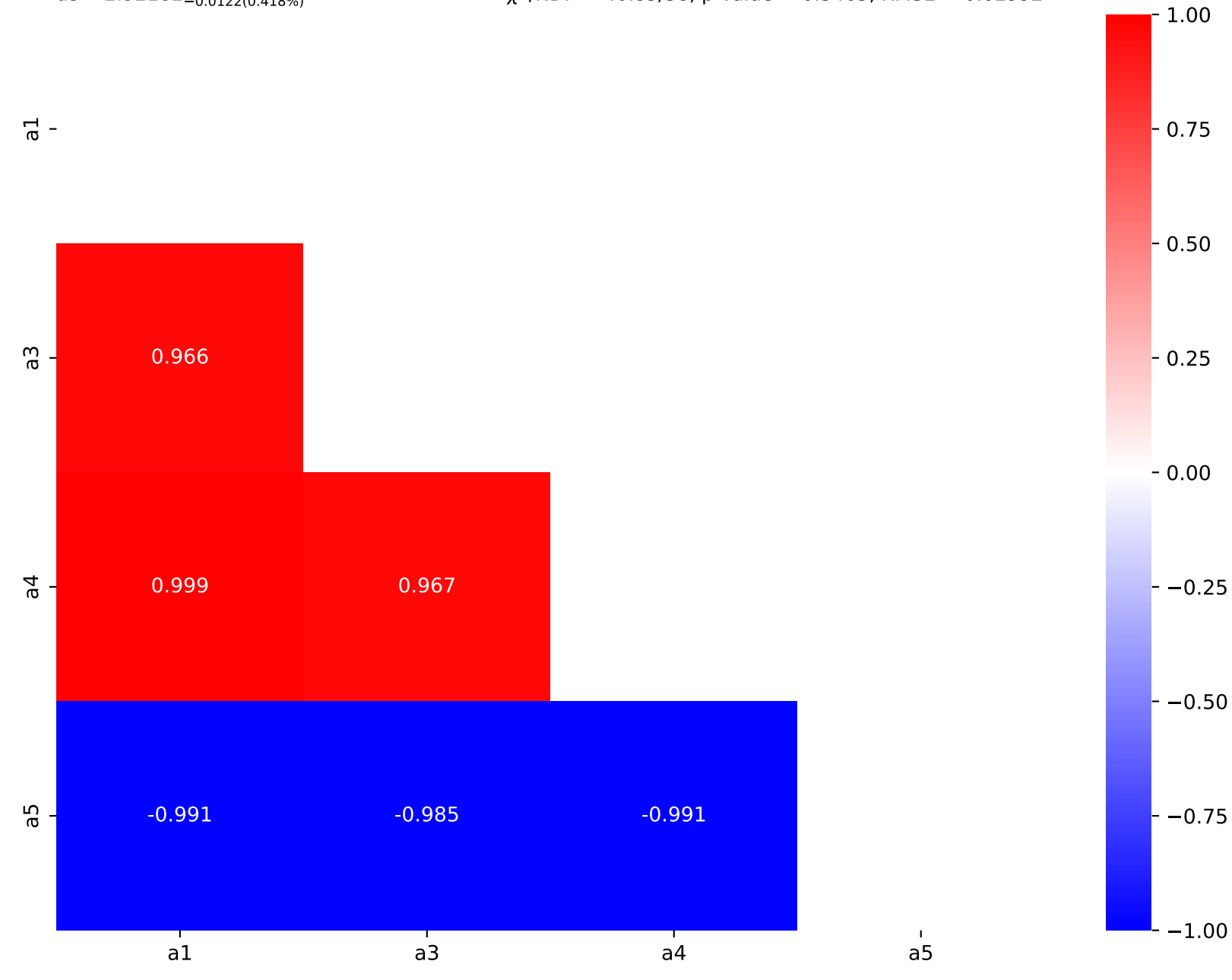
$a1 = -0.983474^{+0.00826(0.84\%)}_{-0.00826(0.84\%)}$, $a2 = 0.00055$,

$a3 = 0.0032196^{+7.98e-05(2.48\%)}_{-7.98e-05(2.48\%)}$, $a4 = 0.0928954^{+0.00575(6.19\%)}_{-0.00575(6.19\%)}$,

$a5 = 2.92182^{+0.0122(0.418\%)}_{-0.0122(0.418\%)}$

Candidate #19

χ^2/NDF = 40.85/38, p-value = 0.3465, RMSE = 0.02992



Candidate function #18

1.0*(a5*(a2 + a3*((x0 - 1568.5) * 0.000145275)*(a4 + a6*exp(((x0 - 1568.5) * 0.000145275))))**(a1 + a7*((x0 - 1568.5) * 0.000145275)))

SymbolFit

$a1 = -0.716$, $a2 = 0.0235286^{+0.00428(18.2\%)}_{-0.00428(18.2\%)}$,

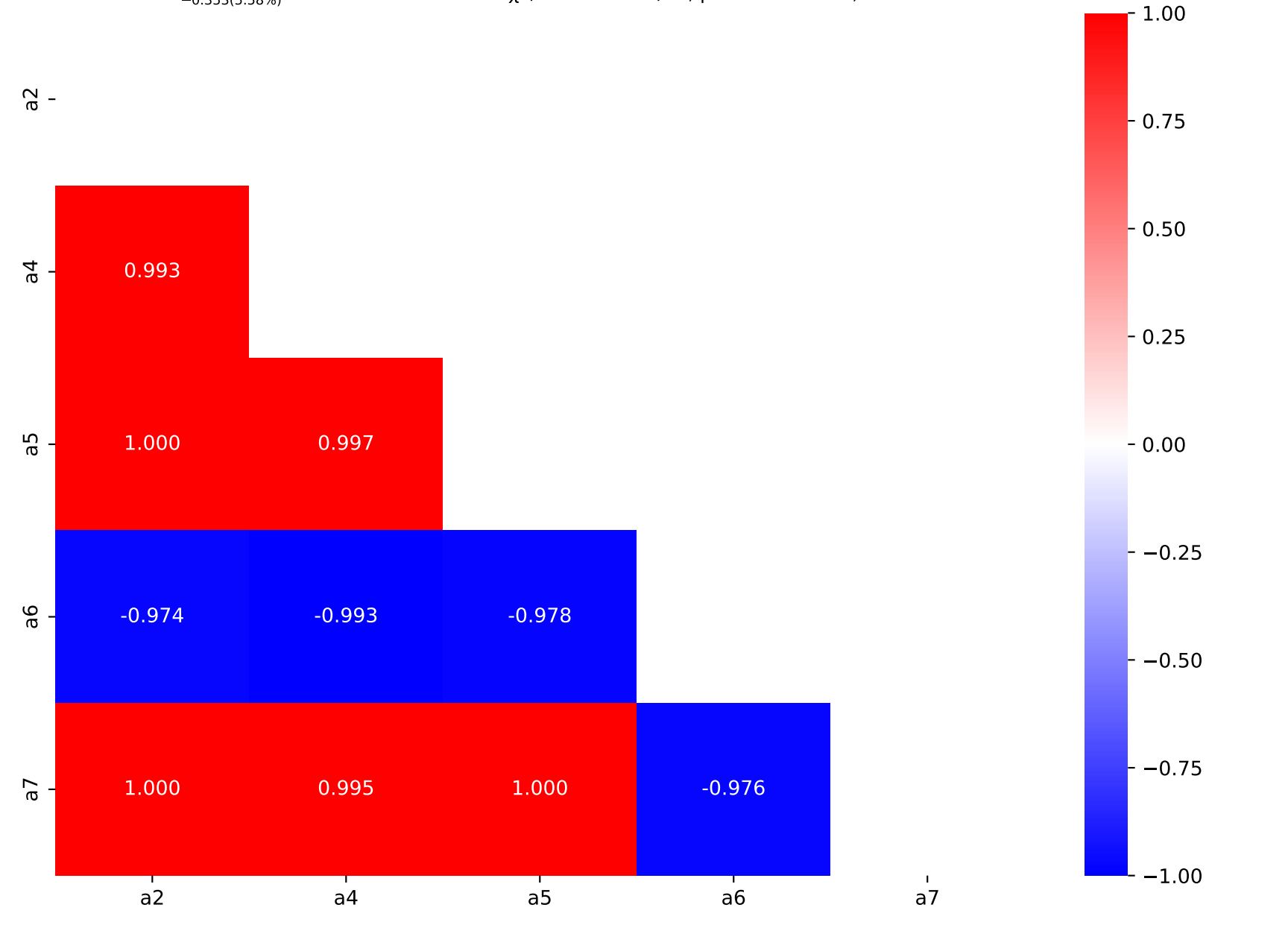
$a3 = 0.00401$, $a4 = 46.6776^{+6.77(14.5\%)}_{-6.77(14.5\%)}$,

$a5 = 10.1922^{+1.32(13.0\%)}_{-1.32(13.0\%)}$, $a6 = -12.3868^{+2.36(19.1\%)}_{-2.36(19.1\%)}$,

$a7 = 6.32329^{+0.353(5.58\%)}_{-0.353(5.58\%)}$

Candidate #18

χ^2/NDF = 38.83/37, p-value = 0.387, RMSE = 0.02581



Candidate function #17

1.0*(a5*(a3 + (a2 + a4*exp(((x0 - 1568.5) * 0.000145275)))*tanh(((x0 - 1568.5) * 0.000145275)))**(a1 + a6*((x0 - 1568.5) * 0.000145275)))

SymbolFit

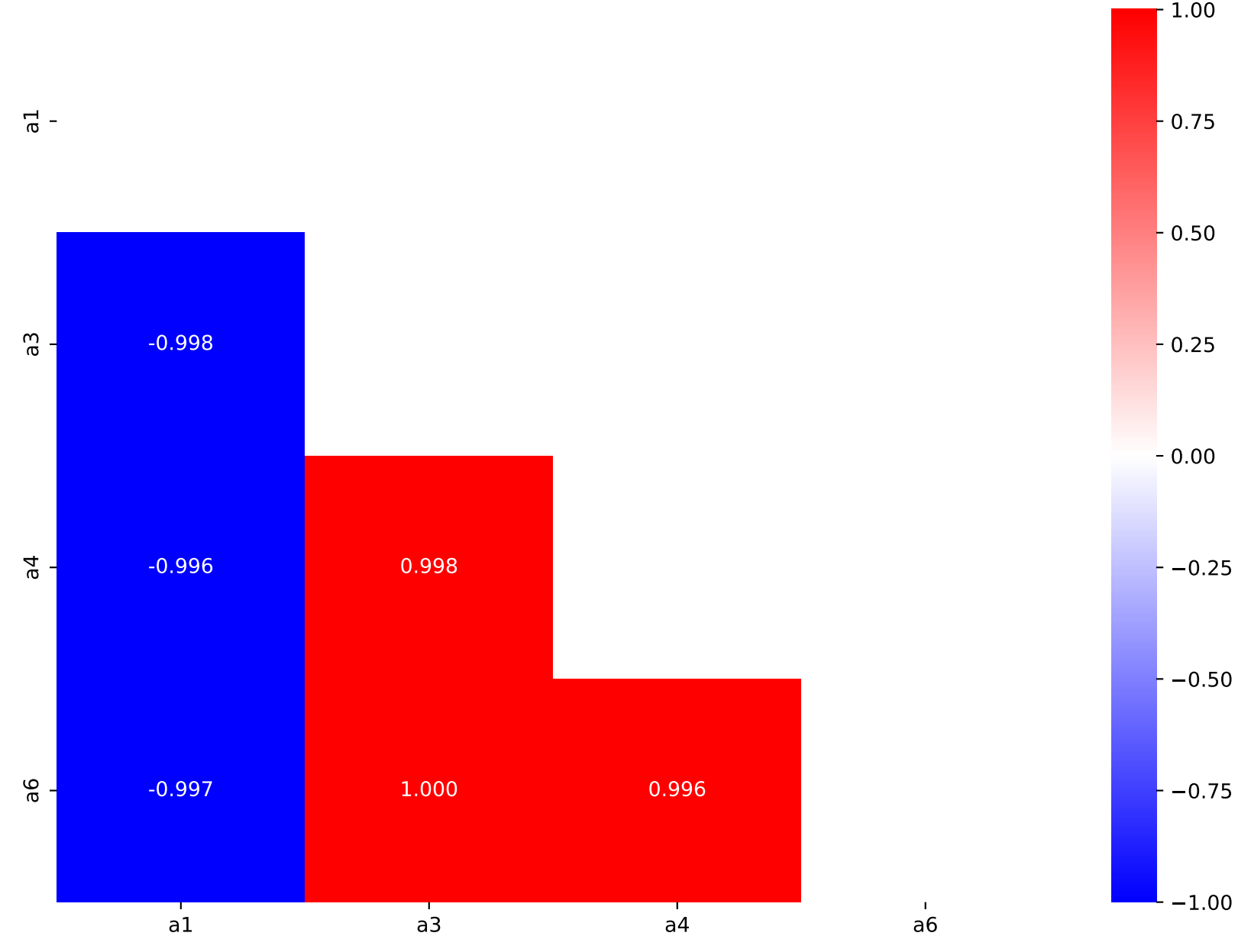
$a1 = -0.696476^{+0.0173(2.48\%)}_{-0.0173(2.48\%)}$, $a2 = 0.000341251$,

$a3 = 0.000356694^{+7.04e-05(19.7\%)}_{-7.04e-05(19.7\%)}$, $a4 = 0.00361974^{+0.000642(17.7\%)}_{-0.000642(17.7\%)}$,

$a5 = 0.594$, $a6 = 2.59306^{+0.0641(2.47\%)}_{-0.0641(2.47\%)}$

Candidate #17

χ^2/NDF = 164.1/38, p-value = 1.315e-17, RMSE = 0.08033



Candidate function #16

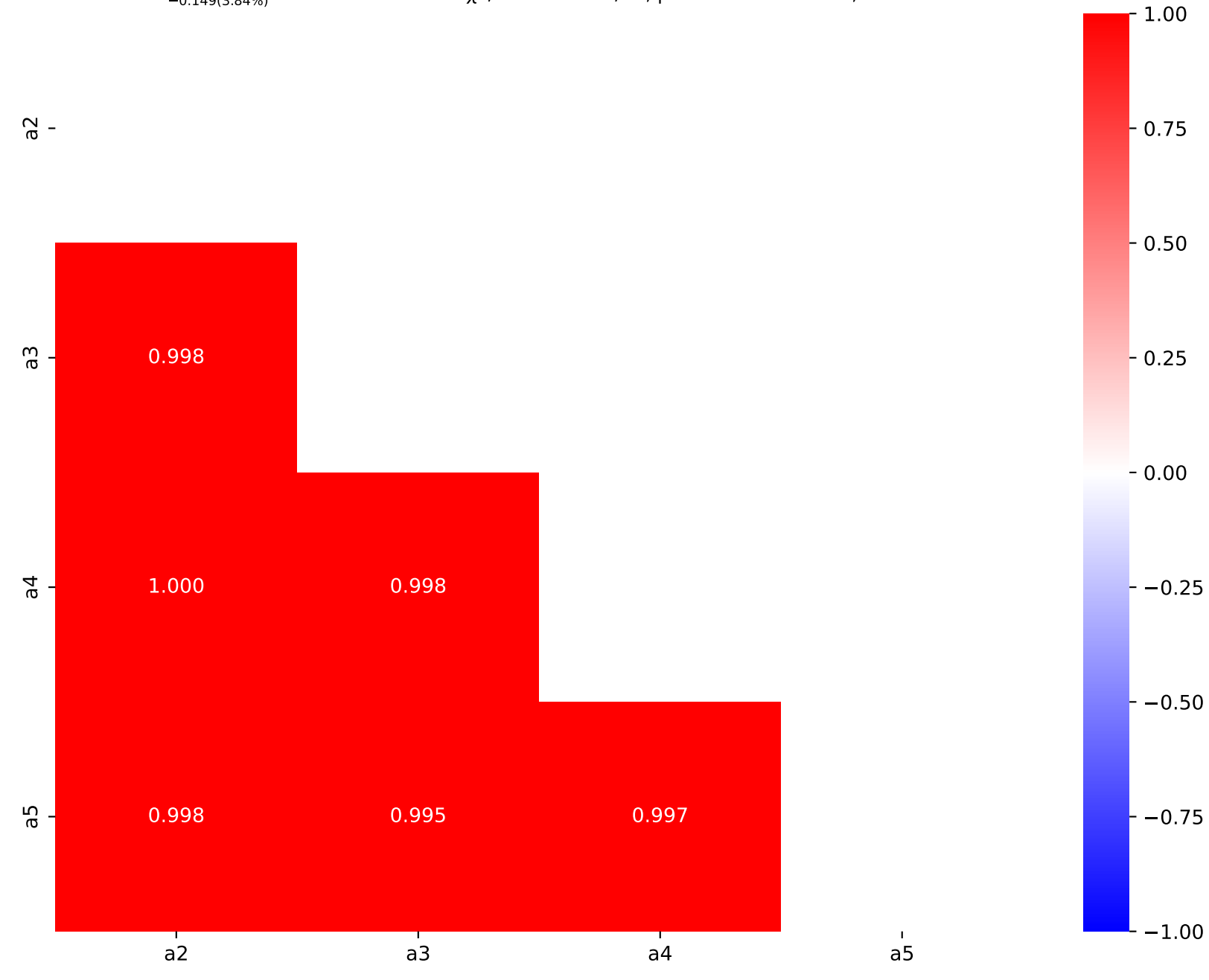
1.0*(a4*(a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a5*((x0 - 1568.5) * 0.000145275)))

SymbolFit

$a1 = -0.716$, $a2 = 0.00341192^{+0.000614(18.0\%)}_{-0.000614(18.0\%)}$,
$a3 = 0.0294527^{+0.00427(14.5\%)}_{-0.00427(14.5\%)}$, $a4 = 2.56138^{+0.329(12.8\%)}_{-0.329(12.8\%)}$,
$a5 = 3.8767^{+0.149(3.84\%)}_{-0.149(3.84\%)}$

Candidate #16

χ^2/NDF = 119.8/38, p-value = 2.077e-10, RMSE = 0.06574



Candidate function #15

1.0*(a4*(a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a5*((x0 - 1568.5) * 0.000145275)))

SymbolFit

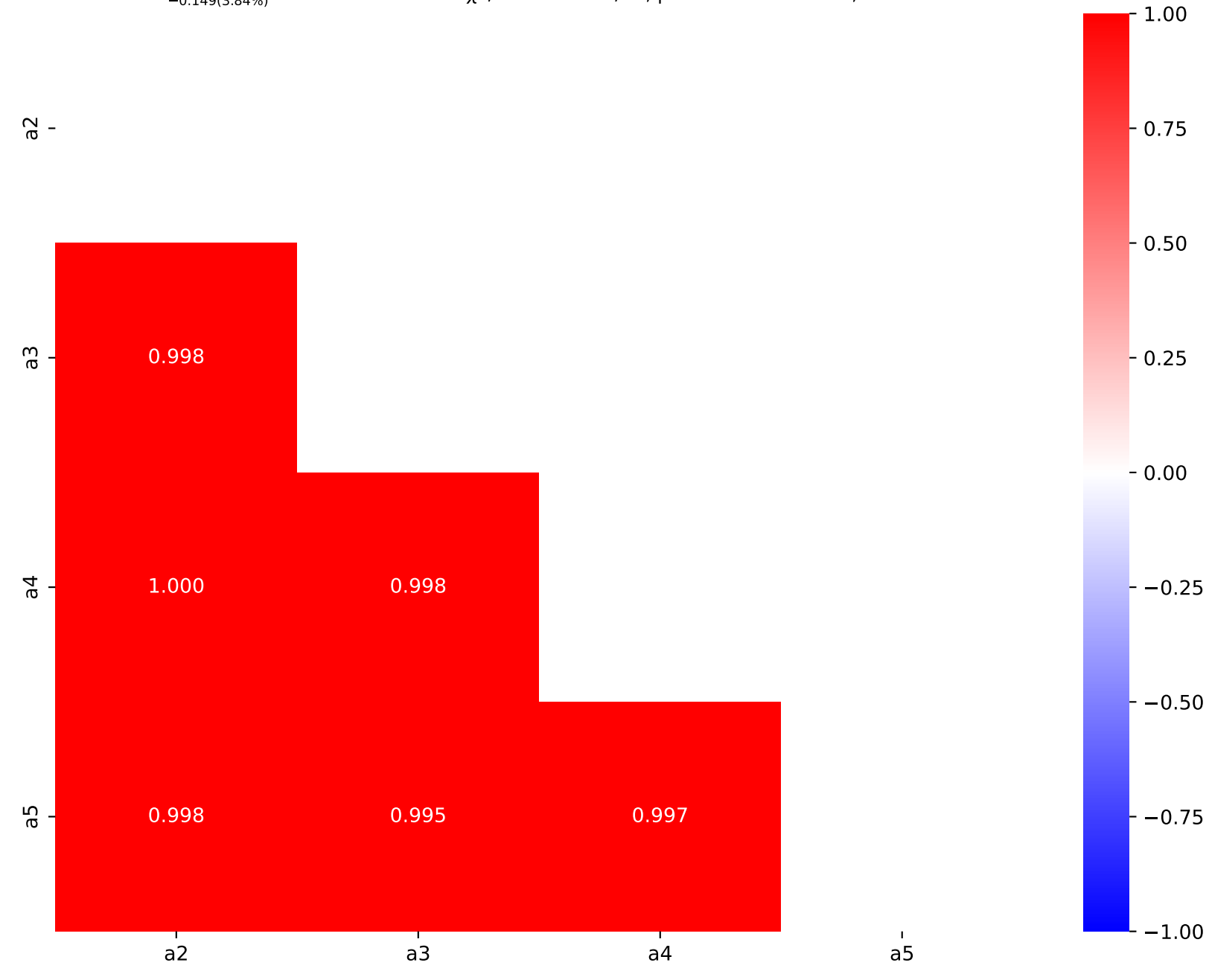
$a1 = -0.716$, $a2 = 0.0034119^{+0.000614(18.0\%)}_{-0.000614(18.0\%)}$,

$a3 = 0.0294526^{+0.00427(14.5\%)}_{-0.00427(14.5\%)}$, $a4 = 2.56137^{+0.329(12.8\%)}_{-0.329(12.8\%)}$,

$a5 = 3.8767^{+0.149(3.84\%)}_{-0.149(3.84\%)}$

Candidate #15

χ^2/NDF = 119.8/38, p-value = 2.077e-10, RMSE = 0.06575



Candidate function #14

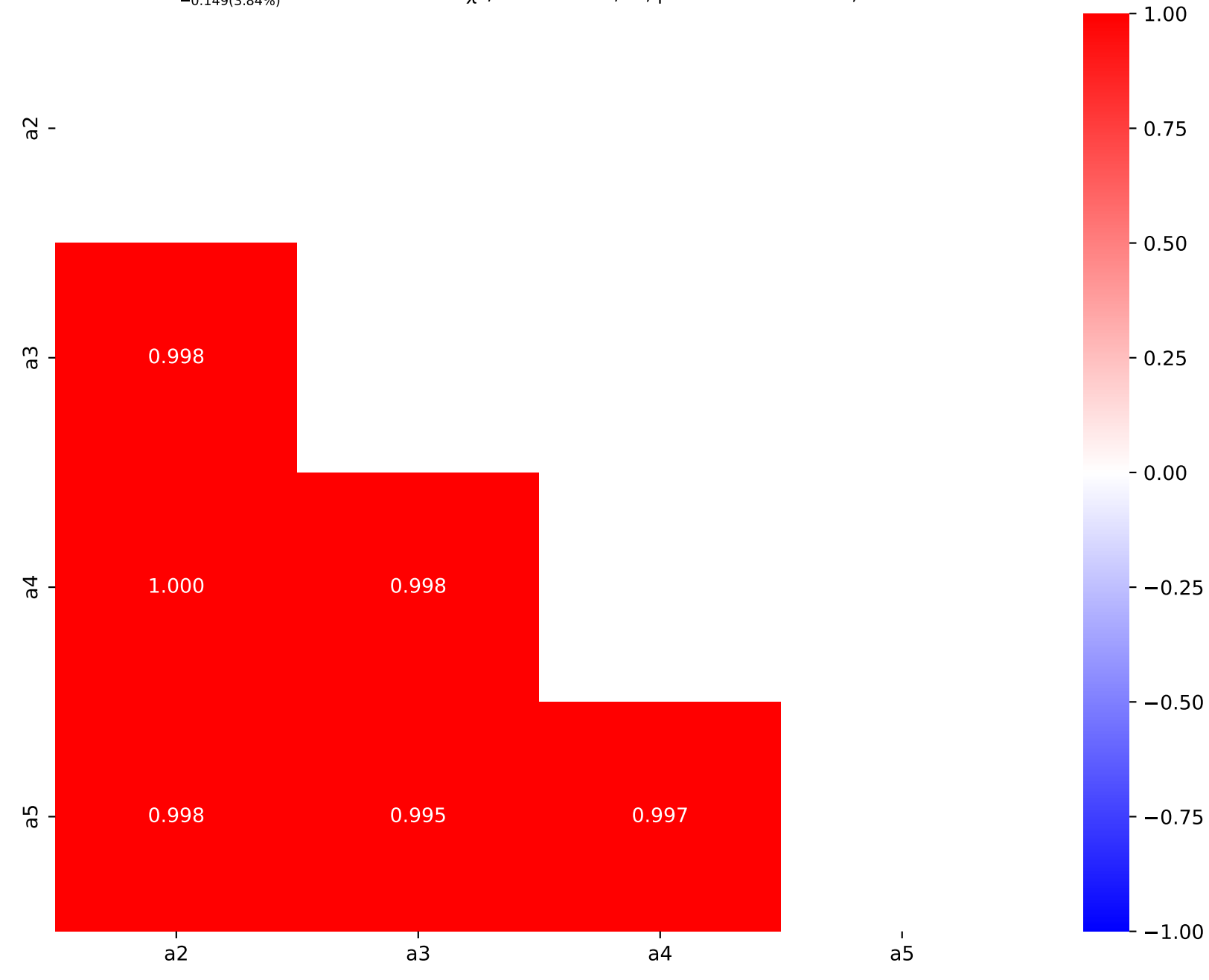
1.0*(a4*(a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a5*((x0 - 1568.5) * 0.000145275)))

SymbolFit

$a1 = -0.716$, $a2 = 0.00341188^{+0.000614(18.0\%)}_{-0.000614(18.0\%)}$,
$a3 = 0.0294524^{+0.00427(14.5\%)}_{-0.00427(14.5\%)}$, $a4 = 2.56135^{+0.329(12.8\%)}_{-0.329(12.8\%)}$,
$a5 = 3.87669^{+0.149(3.84\%)}_{-0.149(3.84\%)}$

Candidate #14

χ^2/NDF = 119.8/38, p-value = 2.077e-10, RMSE = 0.06573



Candidate function #13

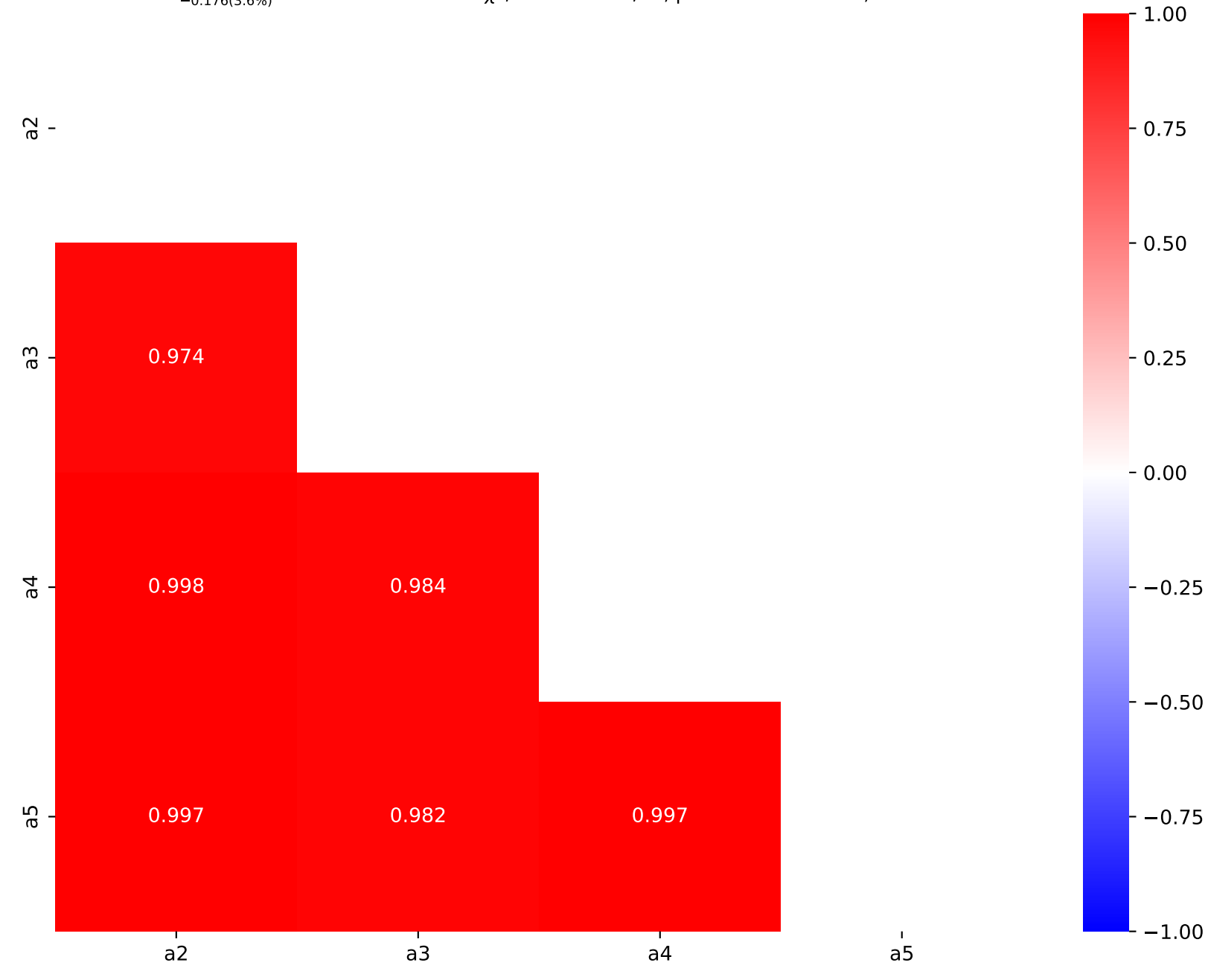
1.0*(a4*(a2*tanh(a3 + ((x0 - 1568.5) * 0.000145275)))**(a1 + a5*((x0 - 1568.5) * 0.000145275)))

SymbolFit

$a1 = -0.716$, $a2 = 0.0687374^{+0.00739(10.8\%)}_{-0.00739(10.8\%)}$,
$a3 = 0.136738^{+0.00481(3.52\%)}_{-0.00481(3.52\%)}$, $a4 = 5.26359^{+0.532(10.1\%)}_{-0.532(10.1\%)}$,
$a5 = 4.89074^{+0.176(3.6\%)}_{-0.176(3.6\%)}$

Candidate #13

χ^2/NDF = 63.91/38, p-value = 0.005331, RMSE = 0.0411



Candidate function #12

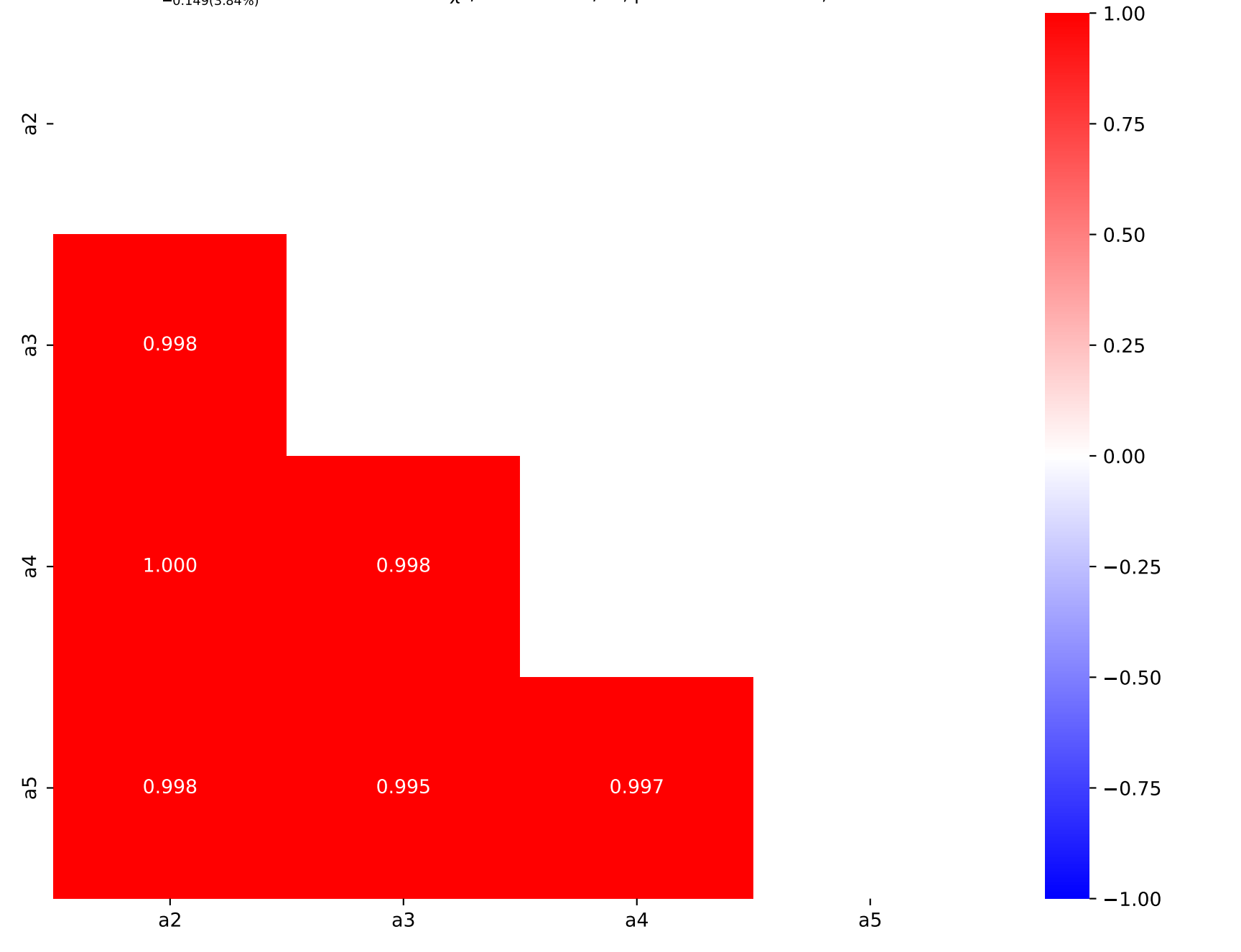
1.0*(a4*(a2 + a3*((x0 - 1568.5) * 0.000145275))**(a1 + a5*((x0 - 1568.5) * 0.000145275)))

SymbolFit

$a1 = -0.716$, $a2 = 0.00341192^{+0.000614(18.0\%)}_{-0.000614(18.0\%)}$,
$a3 = 0.0294526^{+0.00427(14.5\%)}_{-0.00427(14.5\%)}$, $a4 = 2.56137^{+0.329(12.8\%)}_{-0.329(12.8\%)}$,
$a5 = 3.8767^{+0.149(3.84\%)}_{-0.149(3.84\%)}$

Candidate #12

χ^2/NDF = 119.8/38, p-value = 2.077e-10, RMSE = 0.06573



Candidate function #11

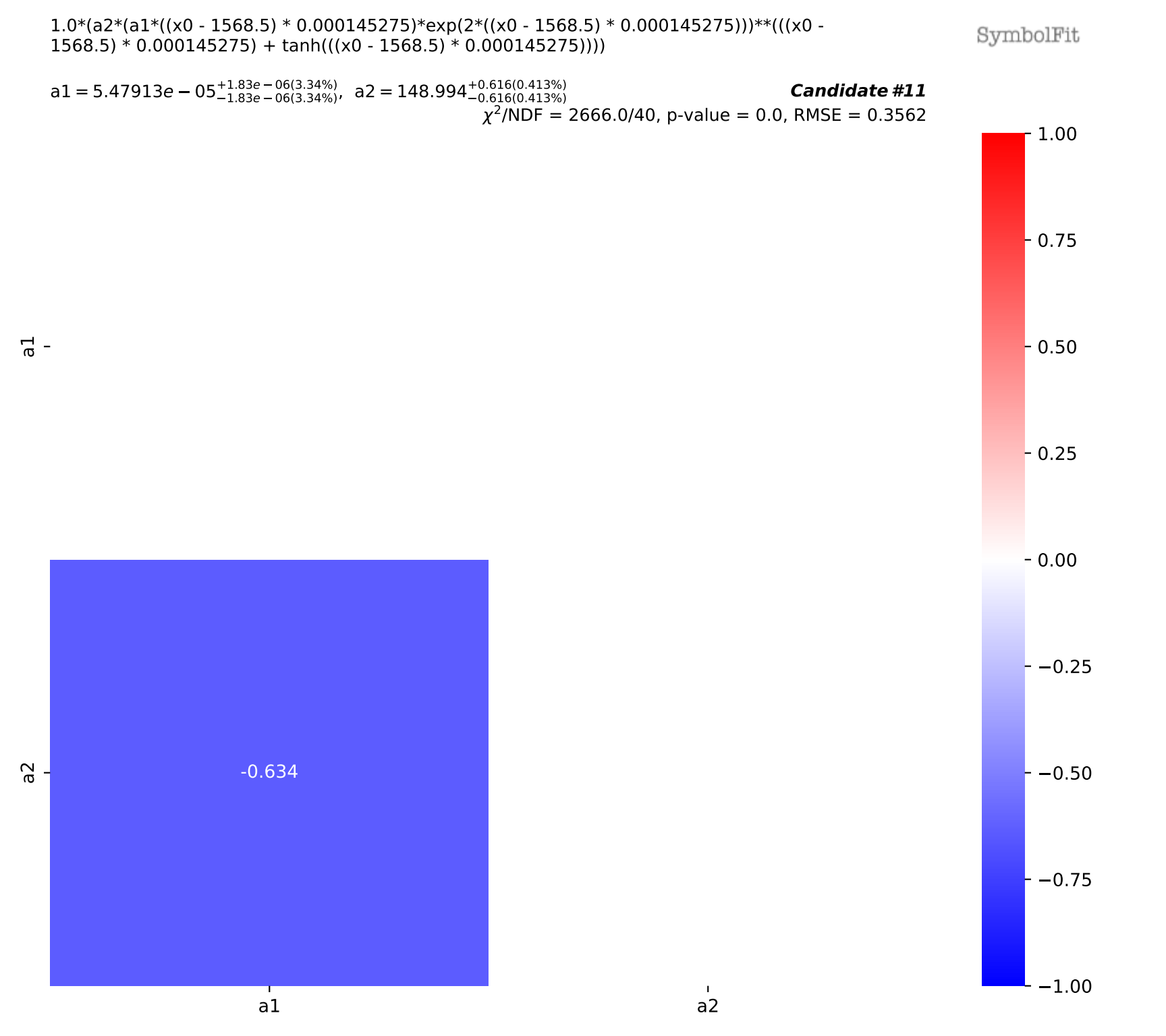
1.0*(a2*(a1*((x0 - 1568.5) * 0.000145275)*exp(2*((x0 - 1568.5) * 0.000145275)))**(((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275))))

SymbolFit

$a1 = 5.47913e-05^{+1.83e-06(3.34\%)}_{-1.83e-06(3.34\%)}$, $a2 = 148.994^{+0.616(0.413\%)}_{-0.616(0.413\%)}$

Candidate #11

χ^2/NDF = 2666.0/40, p-value = 0.0, RMSE = 0.3562



Candidate function #10

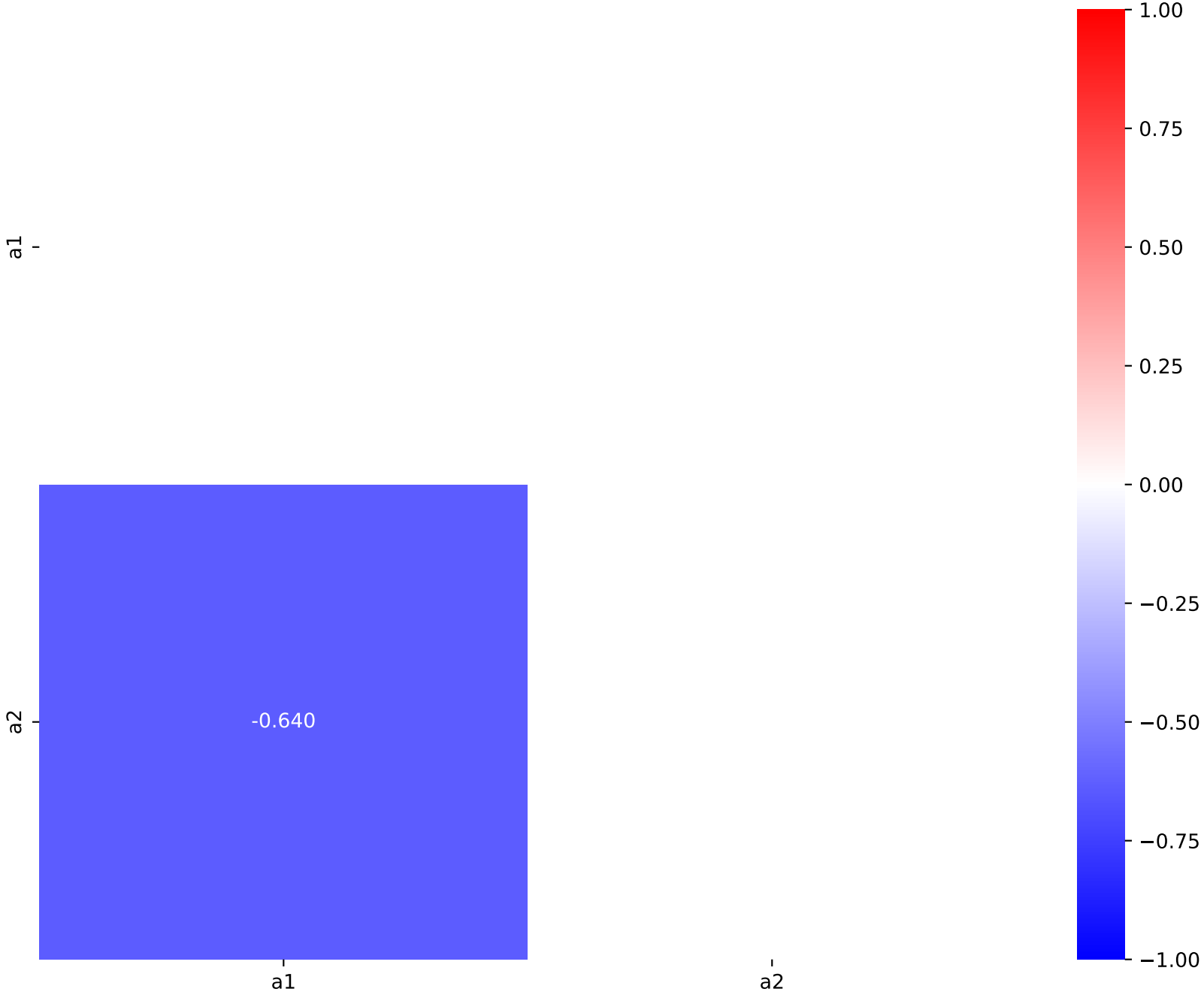
1.0*(a2*(a1*((x0 - 1568.5) * 0.000145275)*exp(((x0 - 1568.5) * 0.000145275)))**(2*tanh(((x0 - 1568.5) * 0.000145275))))

SymbolFit

$a1 = 6.08442e-05^{+2.37e-06(3.9\%)}_{-2.37e-06(3.9\%)}$, $a2 = 148.569^{+0.713(0.48\%)}_{-0.713(0.48\%)}$

Candidate #10

χ^2/NDF = 3564.0/40, p-value = 0.0, RMSE = 0.3934



Candidate function #9

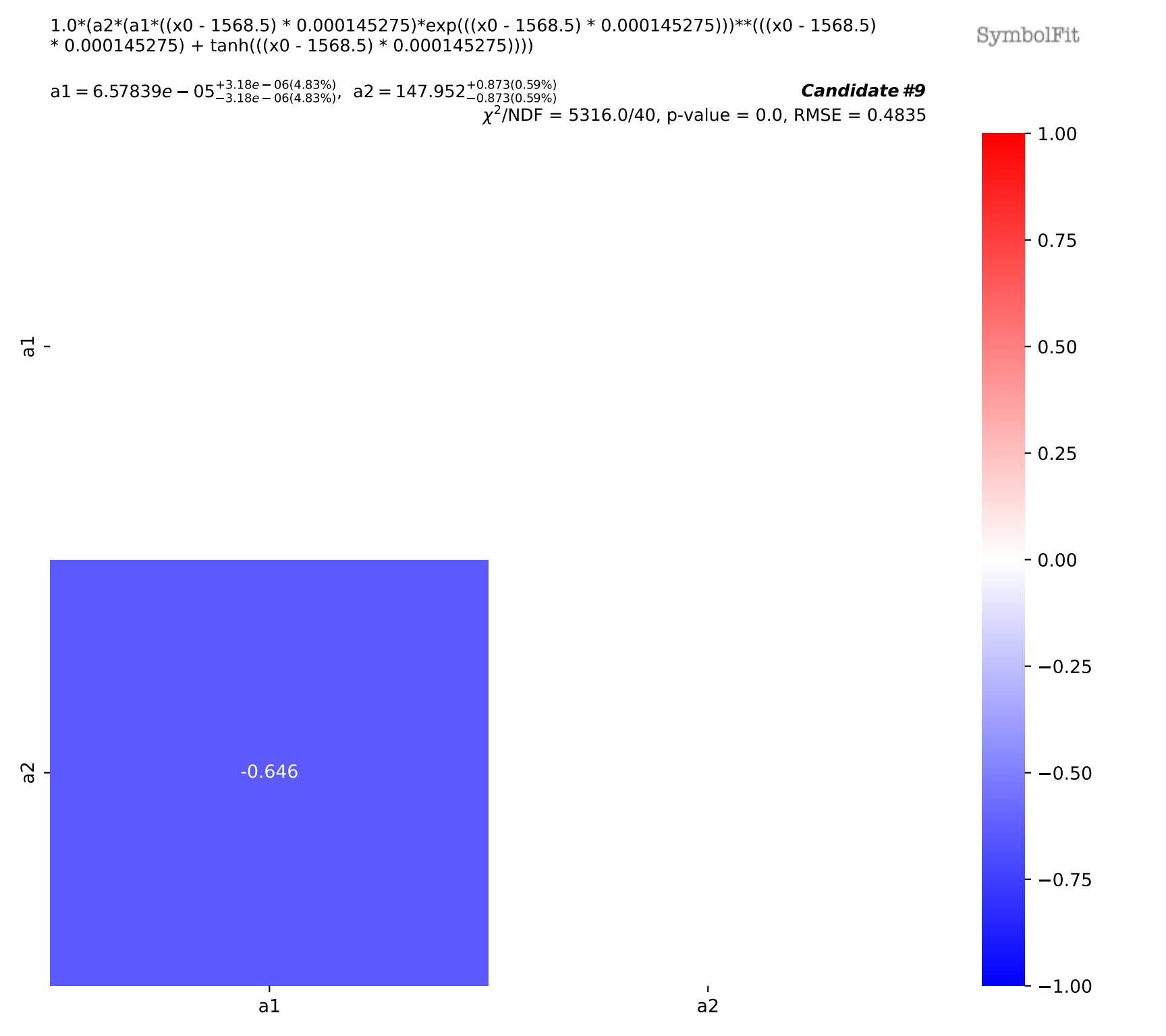
1.0*(a2*(a1*((x0 - 1568.5) * 0.000145275)*exp(((x0 - 1568.5) * 0.000145275)))**(((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275))))

SymbolFit

$a1 = 6.57839e-05^{+3.18e-06(4.83\%)}_{-3.18e-06(4.83\%)}$, $a2 = 147.952^{+0.873(0.59\%)}_{-0.873(0.59\%)}$

Candidate #9

χ^2/NDF = 5316.0/40, p-value = 0.0, RMSE = 0.4835



Candidate function #8

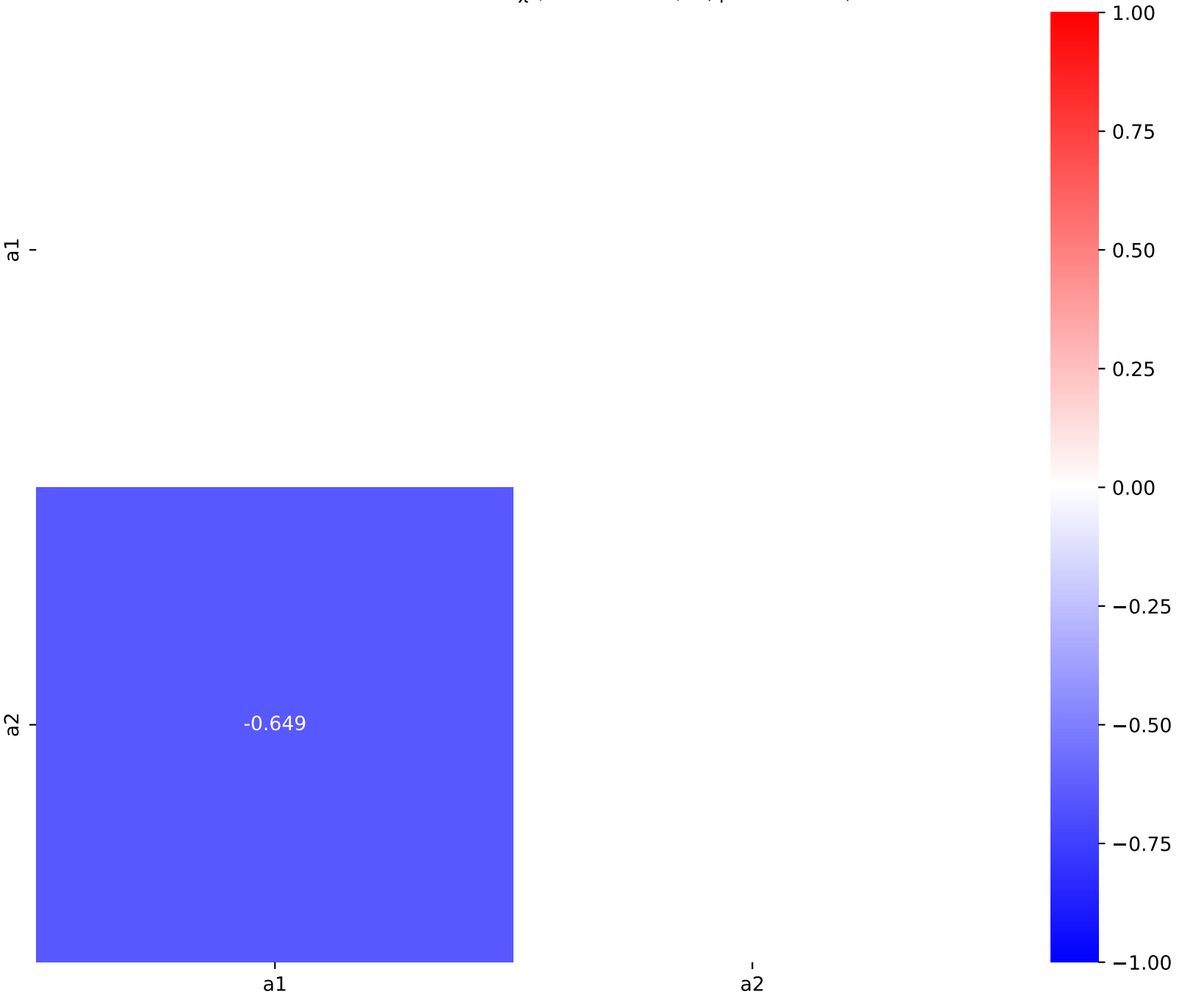
1.0*(a2*(a1*((x0 - 1568.5) * 0.000145275))**(2*tanh(((x0 - 1568.5) * 0.000145275))))

SymbolFit

$a1 = 7.30493e-05^{+3.9e-06(5.34\%)}_{-3.9e-06(5.34\%)}$, $a2 = 147.523^{+0.953(0.646\%)}_{-0.953(0.646\%)}$

Candidate #8

χ^2/NDF = 6322.0/40, p-value = 0.0, RMSE = 0.539



Candidate function #7

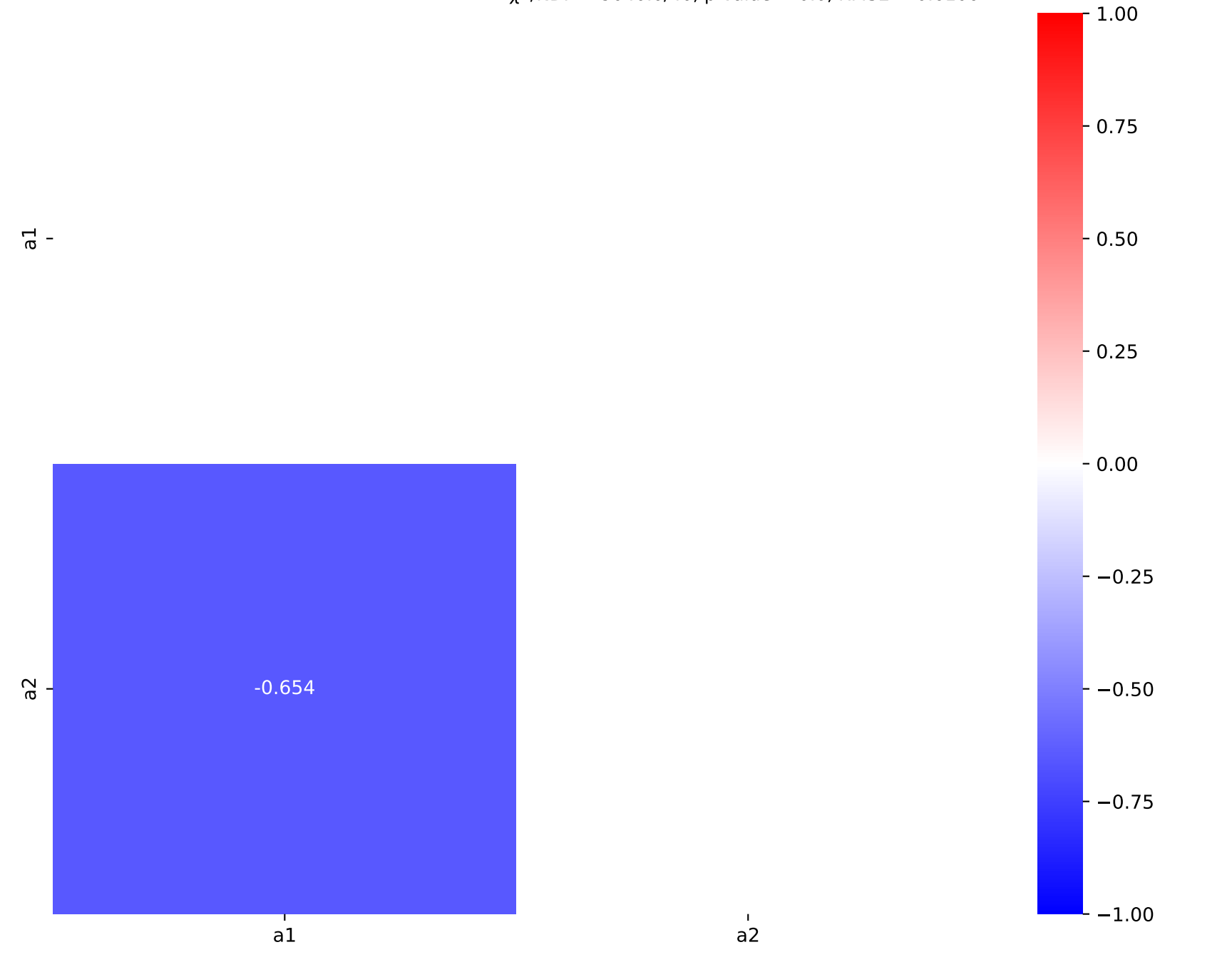
1.0*(a2*(a1*((x0 - 1568.5) * 0.000145275))**(((x0 - 1568.5) * 0.000145275) + tanh(((x0 - 1568.5) * 0.000145275))))

SymbolFit

$a1 = 7.75121e-05^{+5e-06(6.45\%)}_{-5e-06(6.45\%)}$, $a2 = 147.093^{+1.14(0.775\%)}_{-1.14(0.775\%)}$

Candidate #7

χ^2/NDF = 9040.0/40, p-value = 0.0, RMSE = 0.6106



Candidate function #6

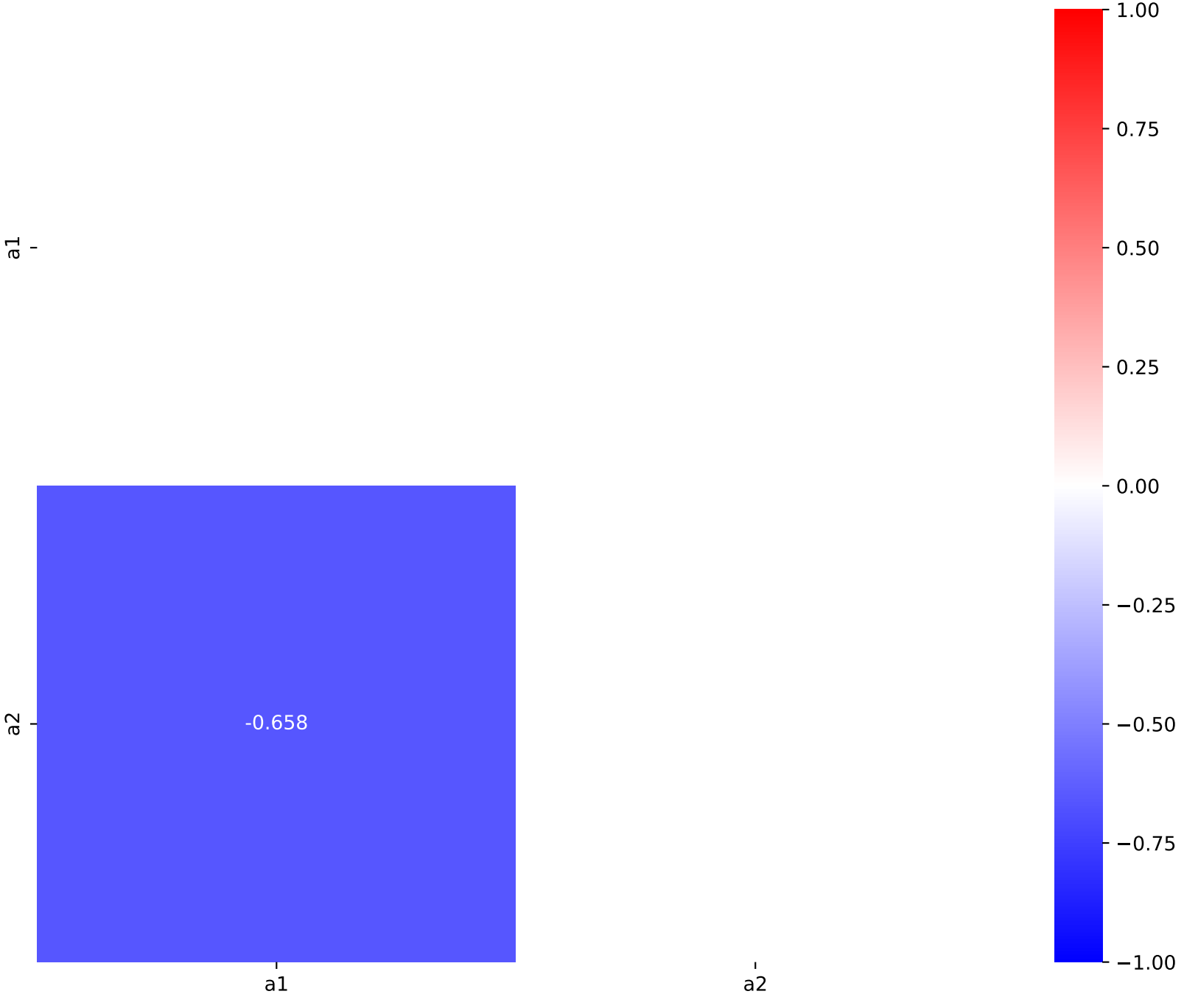
1.0*(a2*(a1*((x0 - 1568.5) * 0.000145275))**(2*((x0 - 1568.5) * 0.000145275)))

$a1 = 8.15668e-05^{+6.09e-06(7.47\%)}_{-6.09e-06(7.47\%)}$, $a2 = 146.743^{+1.31(0.893\%)}_{-1.31(0.893\%)}$

Candidate #6

χ^2/NDF = 11950.0/40, p-value = 0.0, RMSE = 0.6705

SymbolFit



Candidate function #5

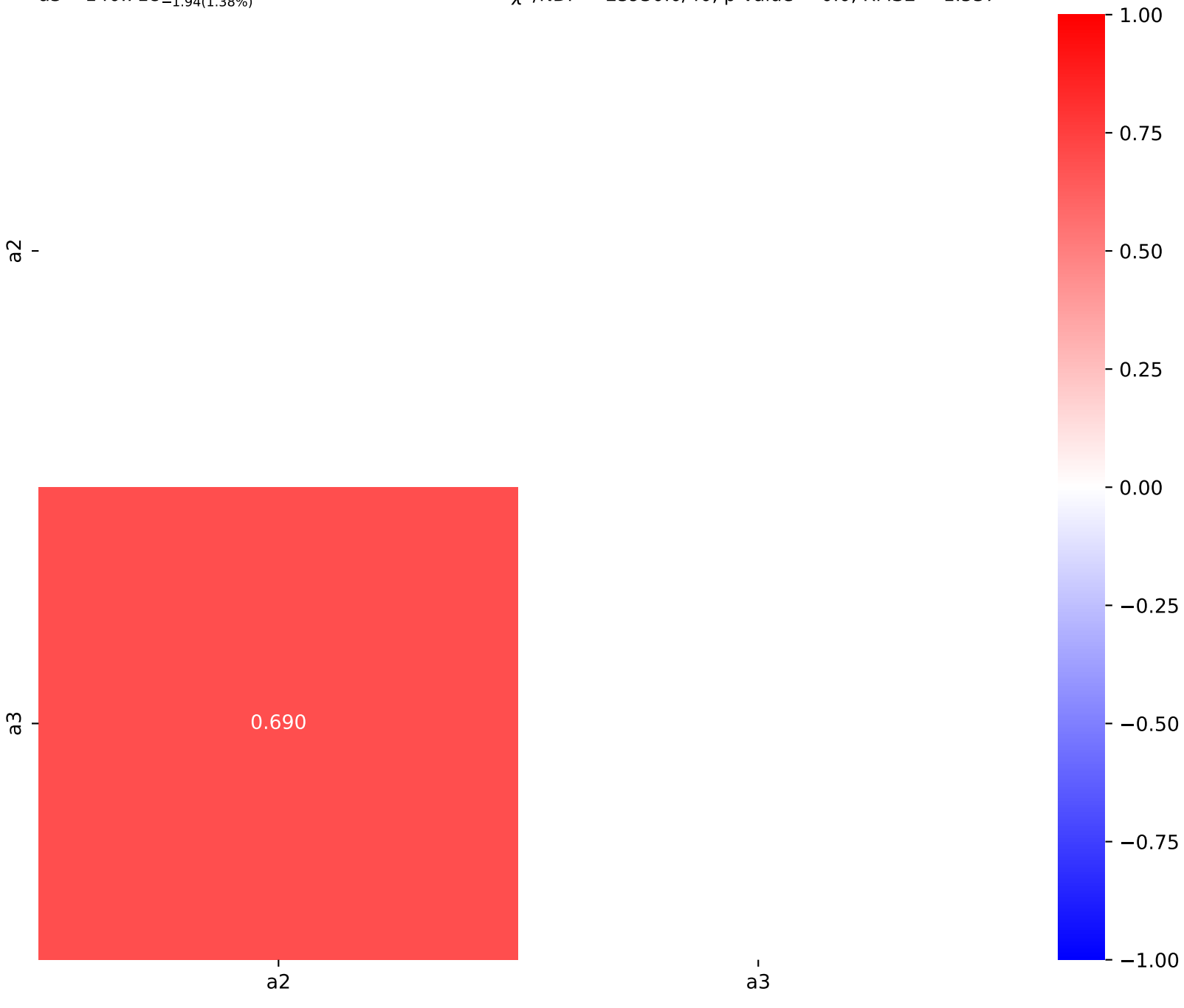
1.0*(a1**tanh(a2*((x0 - 1568.5) * 0.000145275))*a3)

$a1 = 2.91e-06,\ \ a2 = 1.83834^{+0.0199(1.08\%)}_{-0.0199(1.08\%)},$
$a3 = 140.718^{+1.94(1.38\%)}_{-1.94(1.38\%)}$

SymbolFit

Candidate #5

χ^2/NDF = 25930.0/40, p-value = 0.0, RMSE = 1.537



Candidate function #4

1.0*(a1**((x0 - 1568.5) * 0.000145275)*a2)

$a1 = 9.31e-11,\ \ a2 = 140.048^{+1.94(1.39\%)}_{-1.94(1.39\%)}$

Candidate #4

χ^2/NDF = 51140.0/41, p-value = 0.0, RMSE = 1.691

SymbolFit

Candidate function #3

1.0*(a2**(a1 + ((x0 - 1568.5) * 0.000145275)))

$a1 = -0.307176^{+0.00632(2.06\%)}_{-0.00632(2.06\%)},\ a2 = 1.11e-06$

SymbolFit

Candidate #3

χ^2/NDF = 1543000.0/41, p-value = 0.0, RMSE = 16.04

Candidate function #2

1.0*(a1**((x0 - 1568.5) * 0.000145275))

a1 = 0.0011

Candidate #2

χ^2/NDF = 6310000.0/42, p-value = 0.0, RMSE = 33.53

Candidate function #1

1.0*(a1)

a1 = 0.000328

Candidate #1

χ^2/NDF = 6557000.0/42, p-value = 0.0, RMSE = 33.85

Candidate function #0

1.0*(a1)

a1 = 0.187

Candidate #0

χ^2/NDF = 85650000.0/42, p-value = 0.0, RMSE = 33.78