

Candidate function #45

$$164.796 \cdot (a_5 + (-a_1 \cdot (a_6 + \text{gauss}(a_4)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526))) - a_1 \cdot \text{gauss}((a_1 + 6 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_3 + 4 \cdot ((x_0 - 12.5) \cdot 0.00210526)))) + a_7 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526) \cdot (a_2 + ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)))$$

$a_1 = -4.97576^{+0.0705(1.42\%)}_{-0.0705(1.42\%)}$, $a_2 = -4.62494^{+0.025(0.541\%)}_{-0.025(0.541\%)}$,

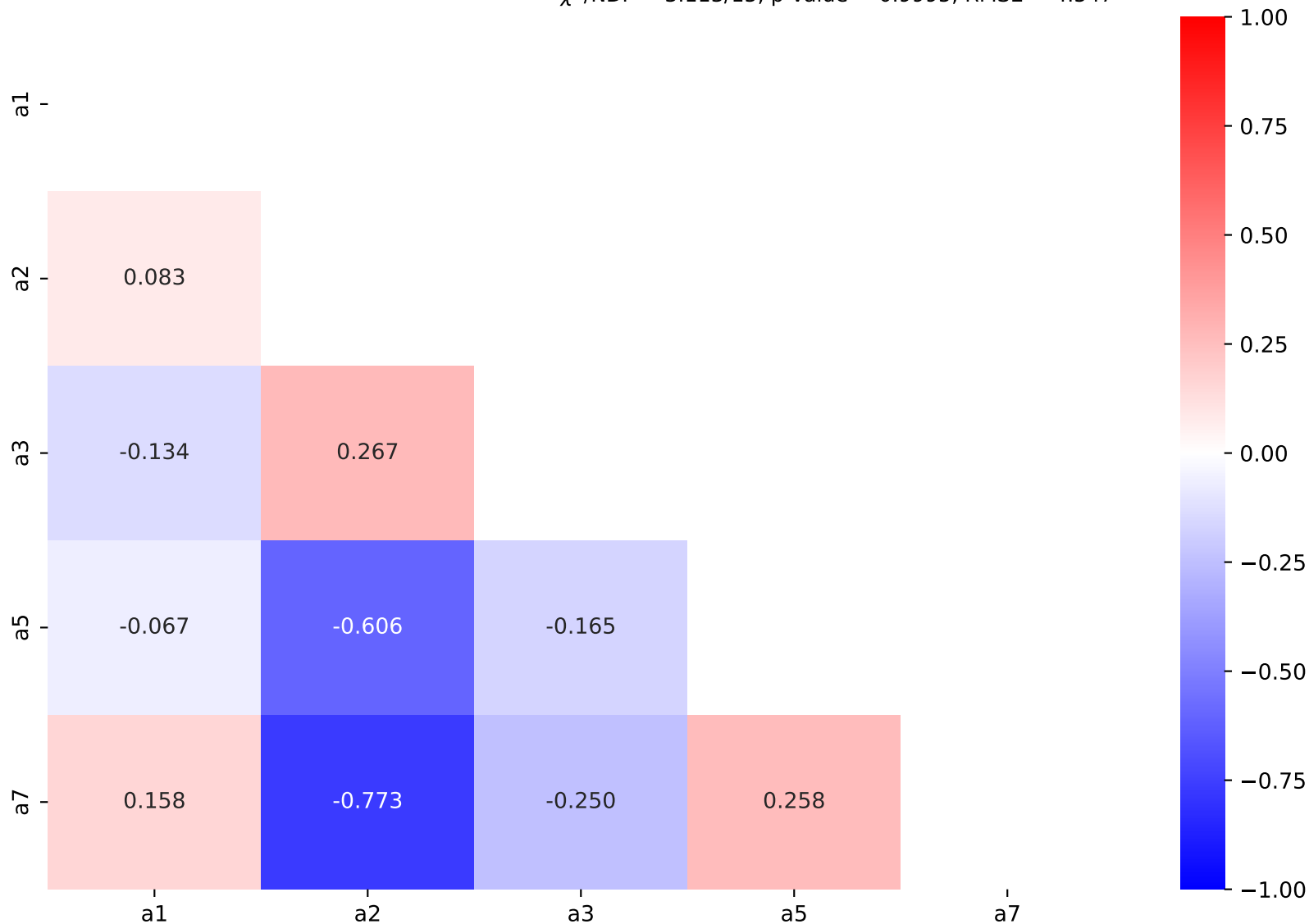
$a_3 = -0.711467^{+0.00394(0.554\%)}_{-0.00394(0.554\%)}$, $a_4 = -0.00625$,

$a_5 = 0.0620311^{+0.00502(8.09\%)}_{-0.00502(8.09\%)}$, $a_6 = 0.892$,

$a_7 = 3.12956^{+0.289(9.23\%)}_{-0.289(9.23\%)}$, $a_8 = 5.0$

Candidate #45

$\chi^2/\text{NDF} = 3.113/15$, p-value = 0.9995, RMSE = 4.547



Candidate function #44

$$164.796*(a4*gauss(a5) + a6 + (a7*gauss((a1 + 6*((x0 - 12.5) * 0.00210526)))*(a3 + 4*((x0 - 12.5) * 0.00210526)))) + a8*tanh(((x0 - 12.5) * 0.00210526)))*gauss(((x0 - 12.5) * 0.00210526)*(a2 + ((x0 - 12.5) * 0.00210526)) + ((x0 - 12.5) * 0.00210526)))$$

$$a1 = -4.95995^{+0.0792(1.6\%)}_{-0.0792(1.6\%)}, \quad a2 = -4.60915^{+0.026(0.564\%)}_{-0.026(0.564\%)},$$

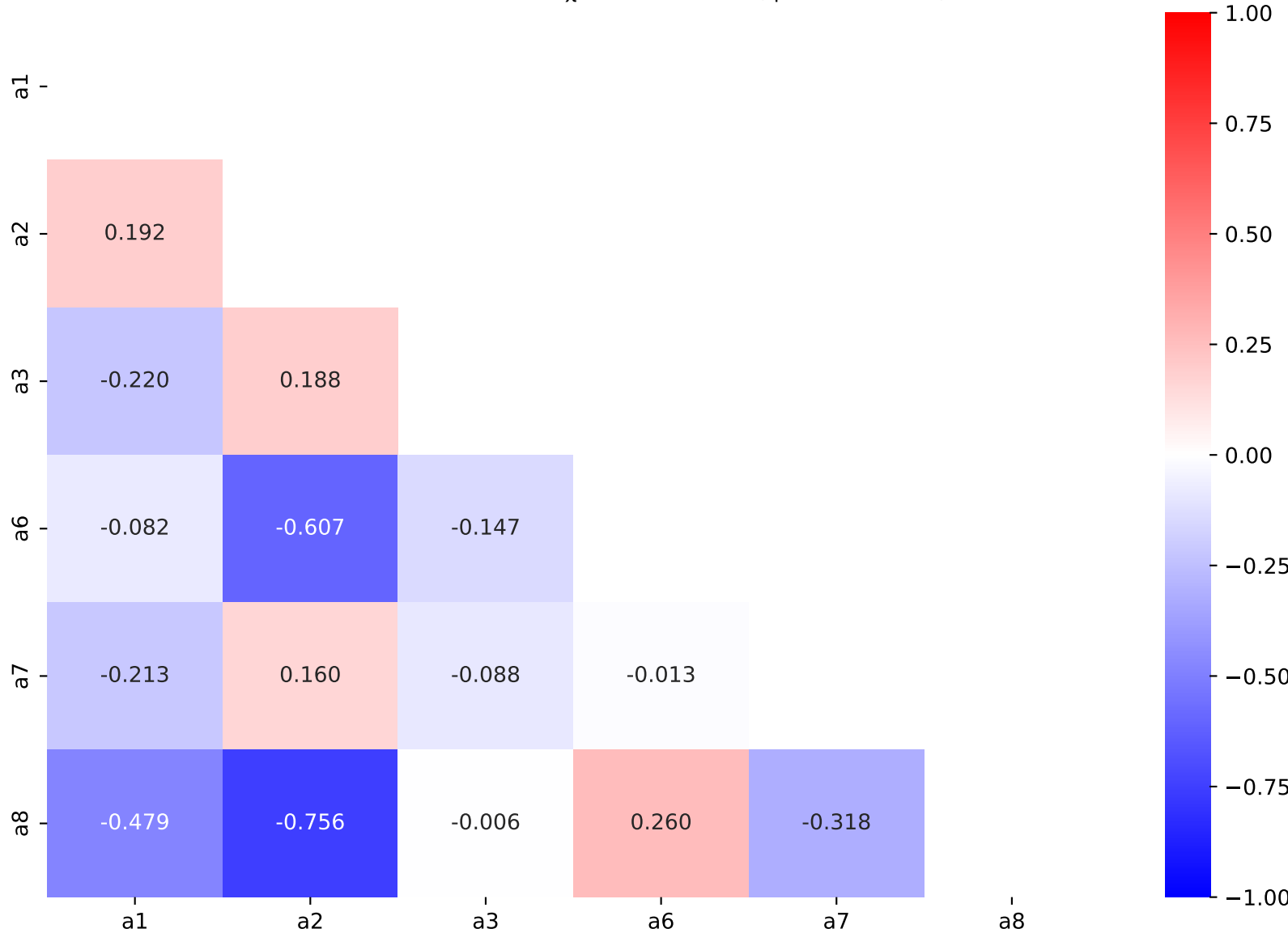
$$a3 = -0.711607^{+0.00412(0.579\%)}_{-0.00412(0.579\%)}, \quad a4 = -0.233,$$

$$a5 = -0.00625, \quad a6 = 0.294763^{+0.00518(1.76\%)}_{-0.00518(1.76\%)},$$

$$a7 = 4.99355^{+0.111(2.22\%)}_{-0.111(2.22\%)}, \quad a8 = 12.4493^{+0.379(3.04\%)}_{-0.379(3.04\%)}$$

Candidate #44

$$\chi^2/NDF = 3.065/14, \text{ p-value} = 0.999, \text{ RMSE} = 4.551$$



Candidate function #43

$$164.796*(a5 + (a9*((x0 - 12.5) * 0.00210526) + a9*\text{gauss}((a1 + 6*((x0 - 12.5) * 0.00210526))*(a4 + 4*((x0 - 12.5) * 0.00210526)))) + a9*\tanh(a8*((x0 - 12.5) * 0.00210526)))*\text{gauss}(a7*((x0 - 12.5) * 0.00210526) + ((x0 - 12.5) * 0.00210526)*(a2 + ((x0 - 12.5) * 0.00210526))) - \text{gauss}(a3)*\tanh(a6*((x0 - 12.5) * 0.00210526)))$$

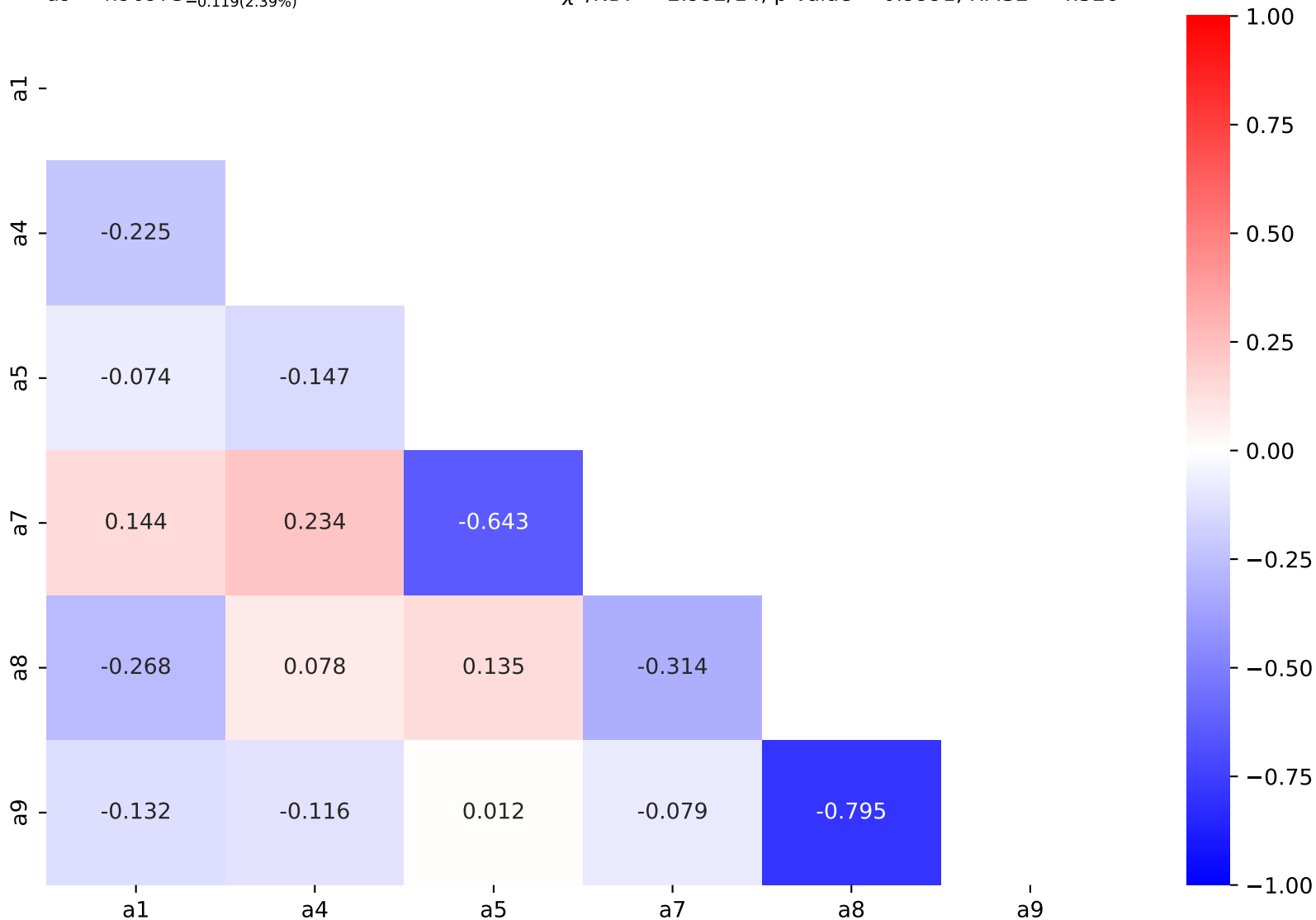
$$a1 = -4.96772^{+0.079(1.59\%)}_{-0.079(1.59\%)}, a2 = -4.61,$$

$$a3 = -4.6, a4 = -0.711473^{+0.00408(0.573\%)}_{-0.00408(0.573\%)},$$

$$a5 = 0.0610976^{+0.0051(8.35\%)}_{-0.0051(8.35\%)}, a6 = 0.277,$$

$$a7 = 1.0093^{+0.0213(2.11\%)}_{-0.0213(2.11\%)}, a8 = 1.52559^{+0.12(7.87\%)}_{-0.12(7.87\%)},$$

$$a9 = 4.96973^{+0.119(2.39\%)}_{-0.119(2.39\%)}$$

Candidate #43 $\chi^2/\text{NDF} = 2.992/14$, p-value = 0.9991, RMSE = 4.526

Candidate function #42

$164.796 \cdot (a_5 \cdot \text{gauss}(a_3) + a_6 + (a_8 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_8 \cdot \text{gauss}(a_1 + 6 \cdot ((x_0 - 12.5) \cdot 0.00210526))) \cdot (a_4 + 4 \cdot ((x_0 - 12.5) \cdot 0.00210526))) + a_8 \cdot \tanh(a_7 \cdot ((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526) \cdot (a_2 + ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)))$

$a_1 = -4.96772^{+0.079(1.59\%)}_{-0.079(1.59\%)}$, $a_2 = -4.6007^{+0.0213(0.463\%)}_{-0.0213(0.463\%)}$,

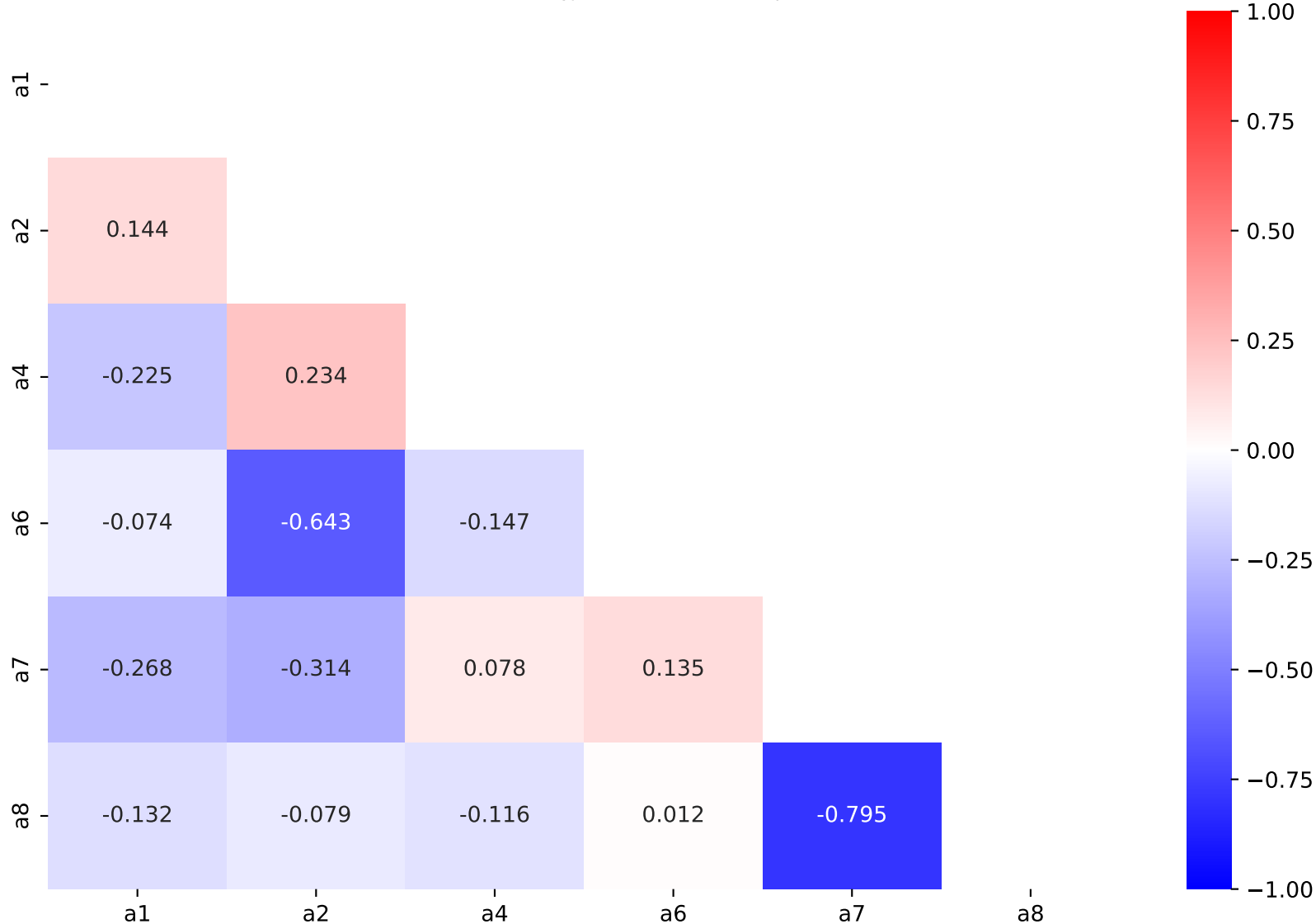
$a_3 = -4.6$, $a_4 = -0.711473^{+0.00408(0.573\%)}_{-0.00408(0.573\%)}$,

$a_5 = -0.27$, $a_6 = 0.0610976^{+0.0051(8.35\%)}_{-0.0051(8.35\%)}$,

$a_7 = 1.52559^{+0.12(7.87\%)}_{-0.12(7.87\%)}$, $a_8 = 4.96973^{+0.119(2.39\%)}_{-0.119(2.39\%)}$

Candidate #42

$\chi^2/\text{NDF} = 2.992/14$, p-value = 0.9991, RMSE = 4.526



Candidate function #41

$$164.796*(a4*((x0 - 12.5) * 0.00210526) + a5 + (a6*gauss((a1 + 6*((x0 - 12.5) * 0.00210526)))*(a3 + 4*((x0 - 12.5) * 0.00210526))) + a7*tanh(((x0 - 12.5) * 0.00210526)))*gauss(((x0 - 12.5) * 0.00210526)*(a2 + ((x0 - 12.5) * 0.00210526)) + ((x0 - 12.5) * 0.00210526)))$$

$$a1 = -4.95784^{+0.0781(1.58\%)}_{-0.0781(1.58\%)}, a2 = -4.60464^{+0.0258(0.56\%)}_{-0.0258(0.56\%)},$$

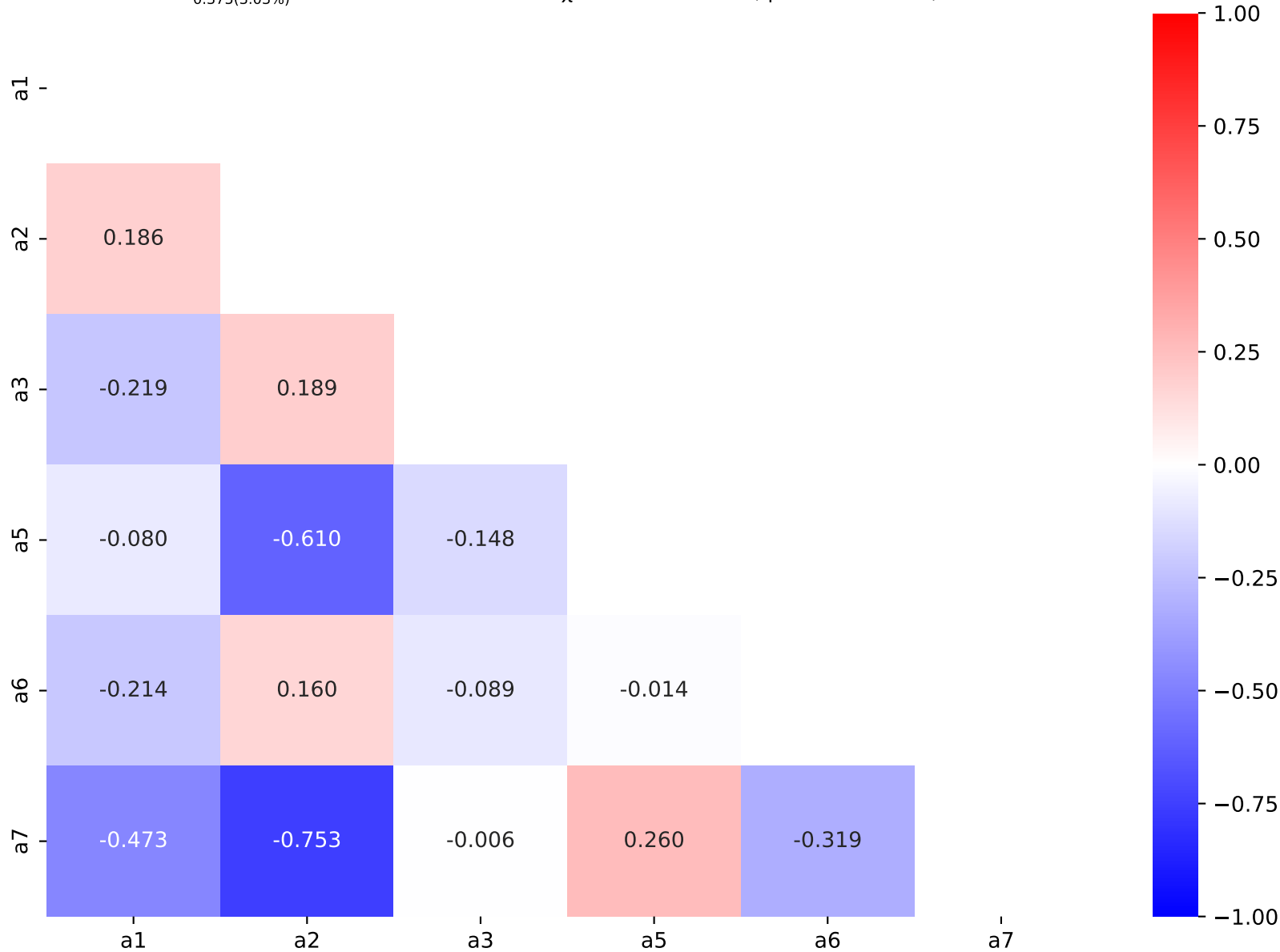
$$a3 = -0.711589^{+0.00409(0.575\%)}_{-0.00409(0.575\%)}, a4 = -0.00624,$$

$$a5 = 0.0656832^{+0.00516(7.86\%)}_{-0.00516(7.86\%)}, a6 = 4.99792^{+0.11(2.2\%)}_{-0.11(2.2\%)},$$

$$a7 = 12.3703^{+0.375(3.03\%)}_{-0.375(3.03\%)}$$

Candidate #41

$$\chi^2/NDF = 3.032/14, p\text{-value} = 0.999, RMSE = 4.571$$



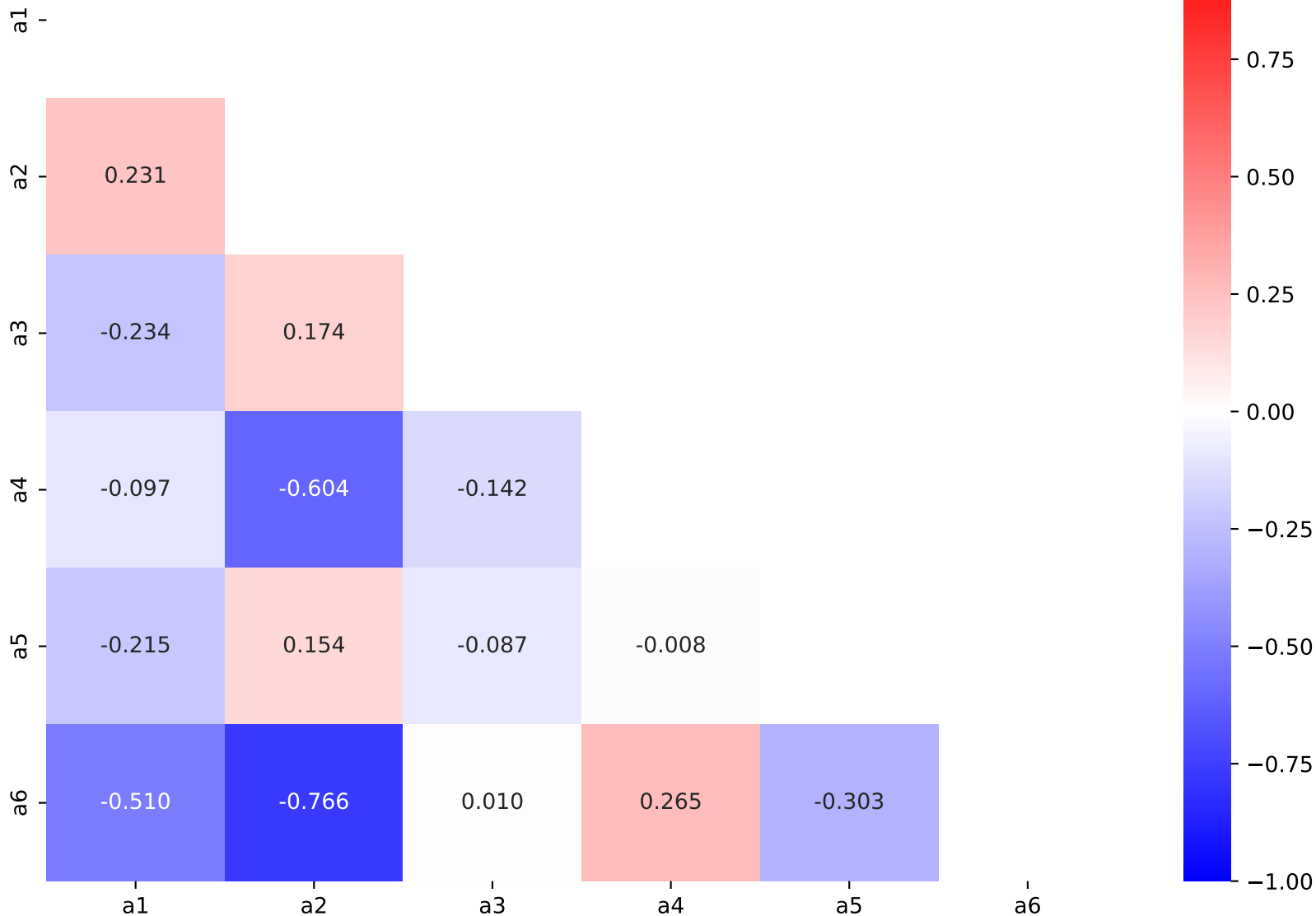
Candidate function #40

$$164.796*(a4 + (a5*\text{gauss}((a1 + 6*((x0 - 12.5) * 0.00210526))*(a3 + 4*((x0 - 12.5) * 0.00210526)))) + a6*((x0 - 12.5) * 0.00210526))*\text{gauss}(((x0 - 12.5) * 0.00210526)*(a2 + ((x0 - 12.5) * 0.00210526)) + ((x0 - 12.5) * 0.00210526)))$$

$$a1 = -4.95461^{+0.0845(1.71\%)}_{-0.0845(1.71\%)}, \quad a2 = -4.65717^{+0.0264(0.567\%)}_{-0.0264(0.567\%)}, \\ a3 = -0.712598^{+0.00419(0.588\%)}_{-0.00419(0.588\%)}, \quad a4 = 0.0622136^{+0.00524(8.42\%)}_{-0.00524(8.42\%)}, \\ a5 = 5.05339^{+0.114(2.26\%)}_{-0.114(2.26\%)}, \quad a6 = 12.422^{+0.395(3.18\%)}_{-0.395(3.18\%)}$$

Candidate #40

$$\chi^2/\text{NDF} = 3.148/14, \quad \text{p-value} = 0.9988, \quad \text{RMSE} = 4.565$$



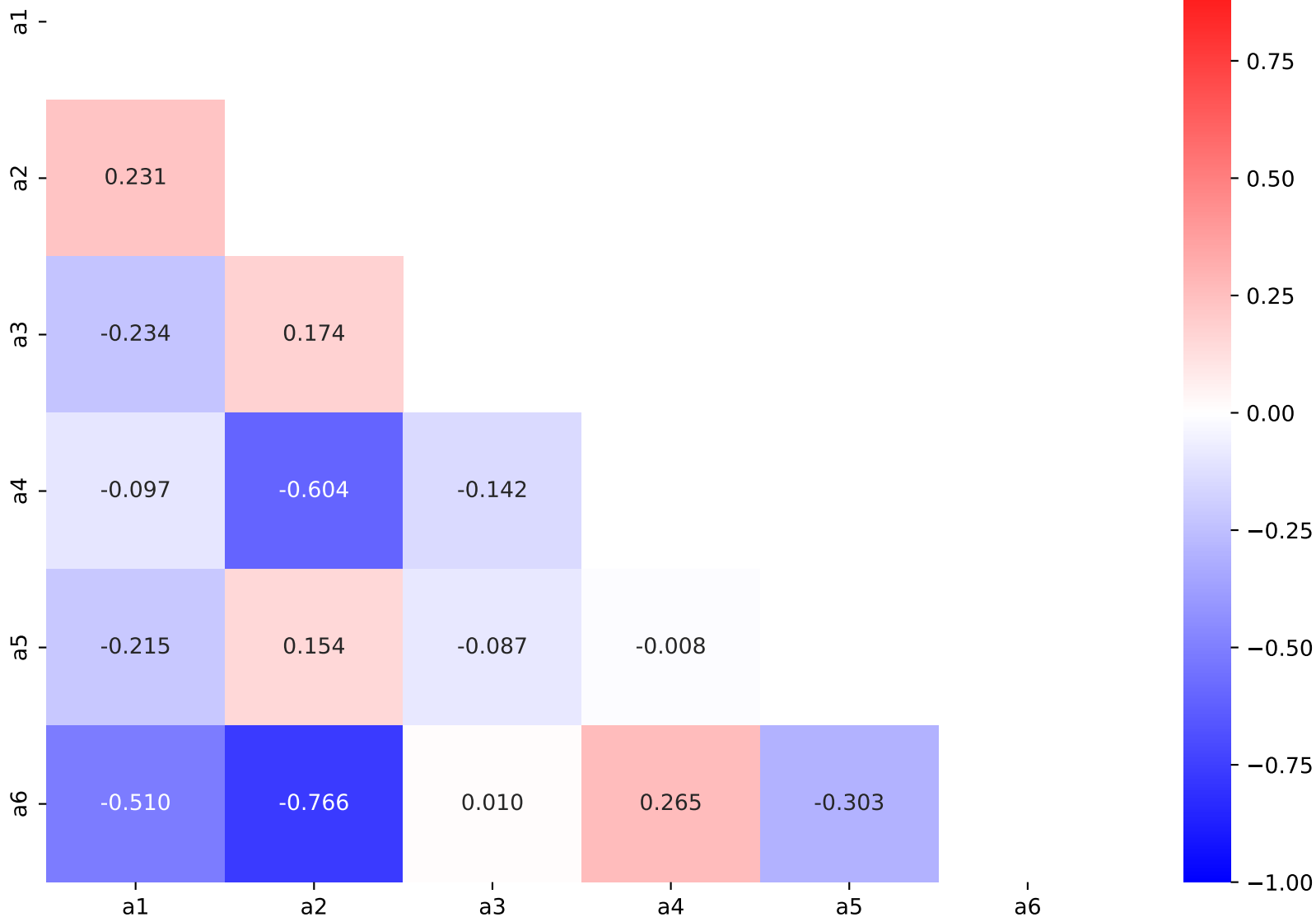
Candidate function #39

$$164.796*(a_4 + (a_5*\text{gauss}((a_1 + 6*((x_0 - 12.5) * 0.00210526))*(a_3 + 4*((x_0 - 12.5) * 0.00210526)))) + a_6*((x_0 - 12.5) * 0.00210526))*\text{gauss}(((x_0 - 12.5) * 0.00210526)*(a_2 + ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)))$$

$$a_1 = -4.95461^{+0.0845(1.71\%)}_{-0.0845(1.71\%)}, \quad a_2 = -4.65717^{+0.0264(0.567\%)}_{-0.0264(0.567\%)}, \\ a_3 = -0.712598^{+0.00419(0.588\%)}_{-0.00419(0.588\%)}, \quad a_4 = 0.0622136^{+0.00524(8.42\%)}_{-0.00524(8.42\%)}, \\ a_5 = 5.05339^{+0.114(2.26\%)}_{-0.114(2.26\%)}, \quad a_6 = 12.422^{+0.395(3.18\%)}_{-0.395(3.18\%)}$$

Candidate #39

$$\chi^2/\text{NDF} = 3.148/14, \quad \text{p-value} = 0.9988, \quad \text{RMSE} = 4.565$$



Candidate function #38

$$164.796 * (a_4 + (a_5 * \text{gauss}((a_2 + 4 * ((x_0 - 12.5) * 0.00210526)) * (a_3 + 4 * ((x_0 - 12.5) * 0.00210526)))) + a_6 * ((x_0 - 12.5) * 0.00210526)) * \text{gauss}(((x_0 - 12.5) * 0.00210526) * (a_1 + ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)))$$

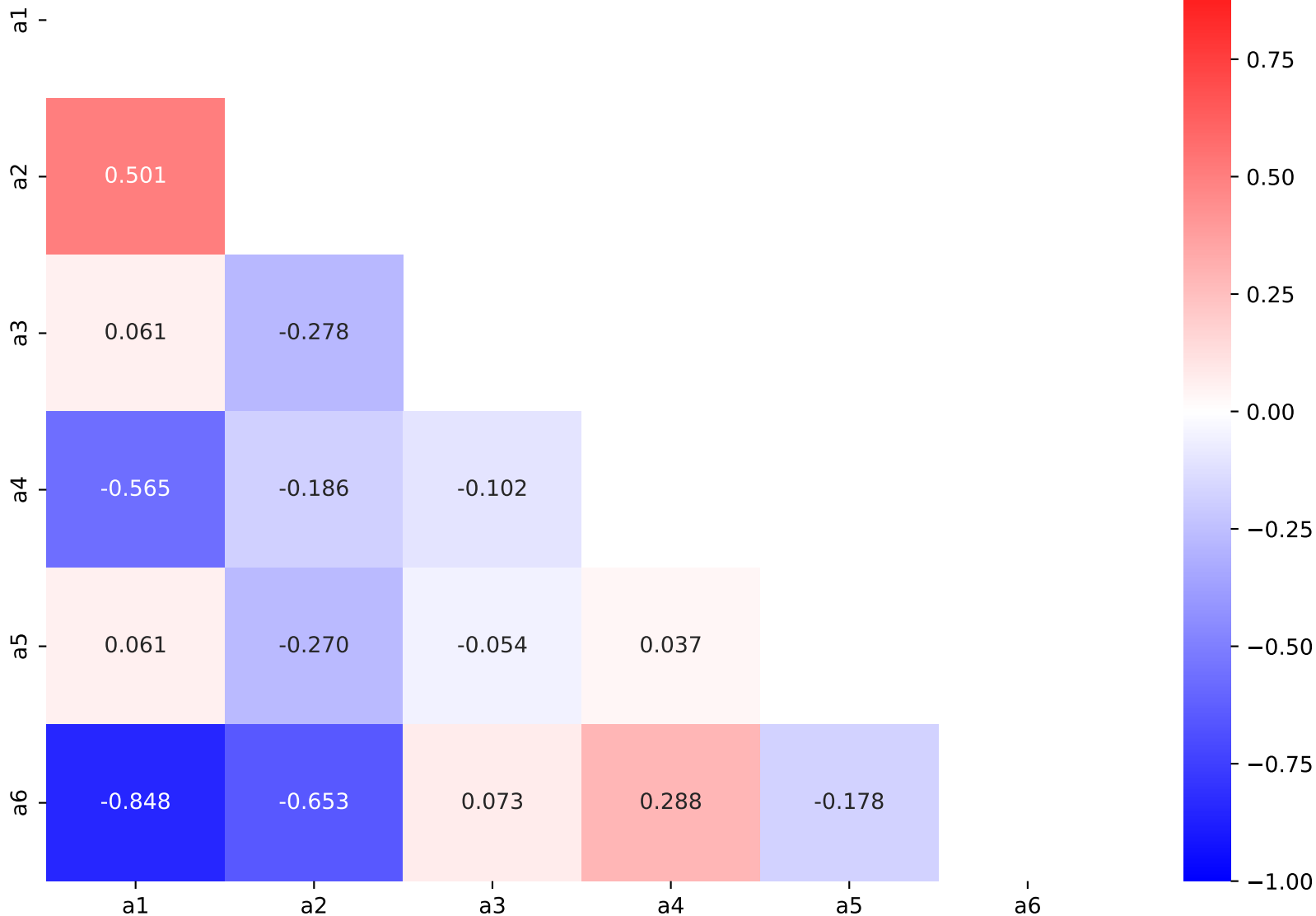
$$a_1 = -4.66175^{+0.0419(0.899\%)}_{-0.0419(0.899\%)}, a_2 = -4.69828^{+0.15(3.19\%)}_{-0.15(3.19\%)},$$

$$a_3 = -0.718501^{+0.00574(0.799\%)}_{-0.00574(0.799\%)}, a_4 = 0.0662263^{+0.00695(10.5\%)}_{-0.00695(10.5\%)},$$

$$a_5 = 5.07536^{+0.16(3.15\%)}_{-0.16(3.15\%)}, a_6 = 12.6624^{+0.634(5.01\%)}_{-0.634(5.01\%)}$$

Candidate #38

$$\chi^2/\text{NDF} = 5.826/14, \text{p-value} = 0.9707, \text{RMSE} = 6.635$$



Candidate function #37

$$164.796 * (a_4 + (a_5 * \text{gauss}((a_2 + 4 * ((x_0 - 12.5) * 0.00210526)) * (a_3 + 4 * ((x_0 - 12.5) * 0.00210526)))) + a_5 * \tanh(((x_0 - 12.5) * 0.00210526)) + a_6 * ((x_0 - 12.5) * 0.00210526) * \text{gauss}(((x_0 - 12.5) * 0.00210526) * (a_1 + ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)))$$

$$a_1 = -4.6423^{+0.043(0.926\%)}_{-0.043(0.926\%)}, \quad a_2 = -4.70026^{+0.15(3.19\%)}_{-0.15(3.19\%)},$$
$$a_3 = -0.718113^{+0.00573(0.798\%)}_{-0.00573(0.798\%)}, \quad a_4 = 0.0661984^{+0.00695(10.5\%)}_{-0.00695(10.5\%)},$$
$$a_5 = 5.05312^{+0.158(3.13\%)}_{-0.158(3.13\%)}, \quad a_6 = 7.60955^{+0.679(8.92\%)}_{-0.679(8.92\%)}$$

Candidate #37

$$\chi^2/\text{NDF} = 5.819/14, \quad \text{p-value} = 0.9708, \quad \text{RMSE} = 6.628$$

a1

a2

a3

a4

a5

a6

0.502

0.063

-0.271

-0.560

-0.186

-0.104

0.072

-0.276

-0.050

0.039

-0.817

-0.545

0.073

0.260

-0.393

a1

a2

a3

a4

a5

a6

1.00

0.75

0.50

0.25

0.00

-0.25

-0.50

-0.75

-1.00

Candidate function #36

$$164.796 \cdot (a_4 + (a_5 \cdot \text{gauss}((a_2 + 4 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_3 + 4 \cdot ((x_0 - 12.5) \cdot 0.00210526)))) + a_6 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526) \cdot (a_1 + ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)))$$

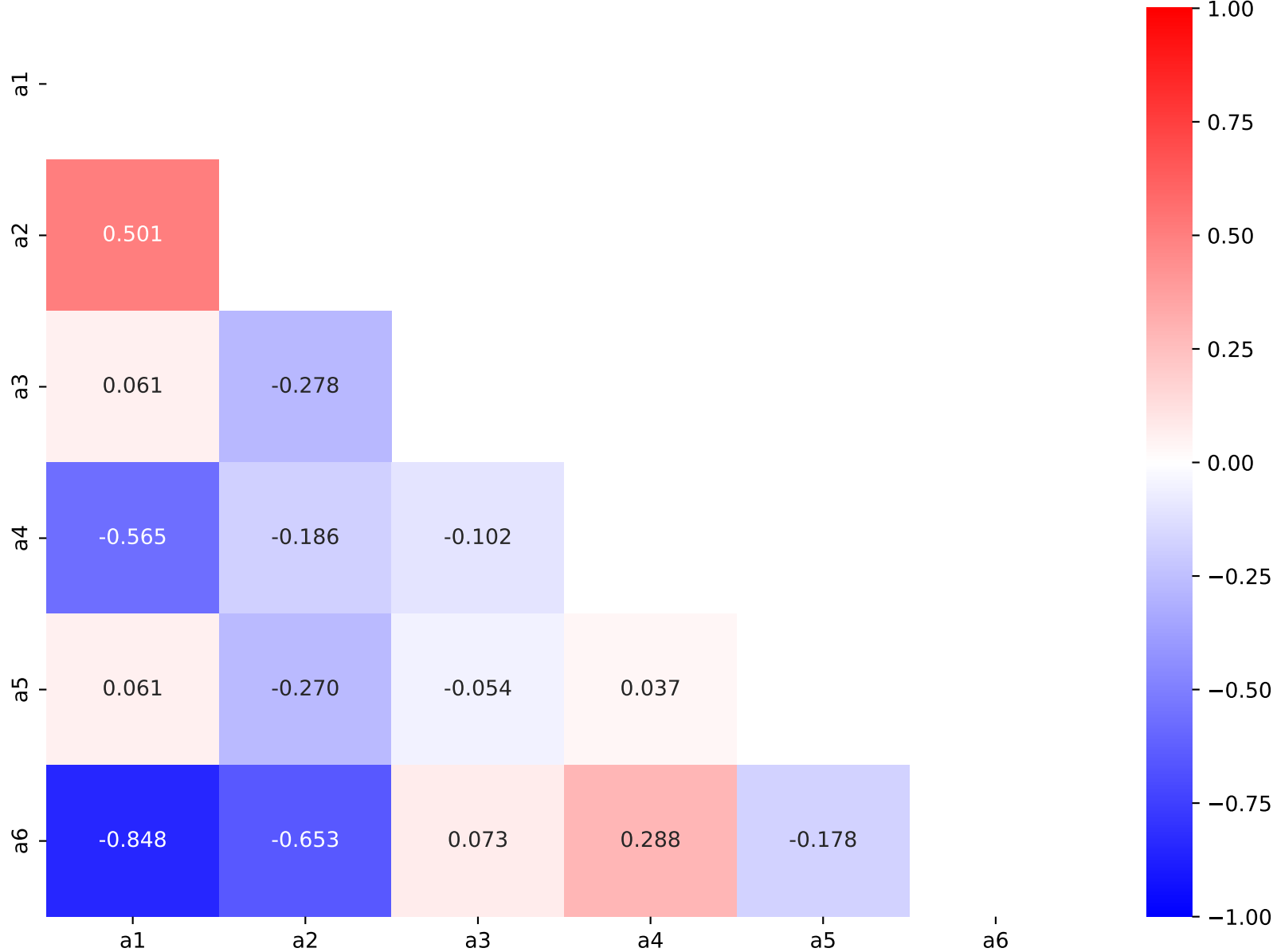
$$a_1 = -4.66175^{+0.0419(0.899\%)}_{-0.0419(0.899\%)}, a_2 = -4.69828^{+0.15(3.19\%)}_{-0.15(3.19\%)},$$

$$a_3 = -0.718501^{+0.00574(0.799\%)}_{-0.00574(0.799\%)}, a_4 = 0.0662263^{+0.00695(10.5\%)}_{-0.00695(10.5\%)},$$

$$a_5 = 5.07536^{+0.16(3.15\%)}_{-0.16(3.15\%)}, a_6 = 12.6624^{+0.634(5.01\%)}_{-0.634(5.01\%)}$$

Candidate #36

$$\chi^2/\text{NDF} = 5.826/14, \text{p-value} = 0.9707, \text{RMSE} = 6.635$$



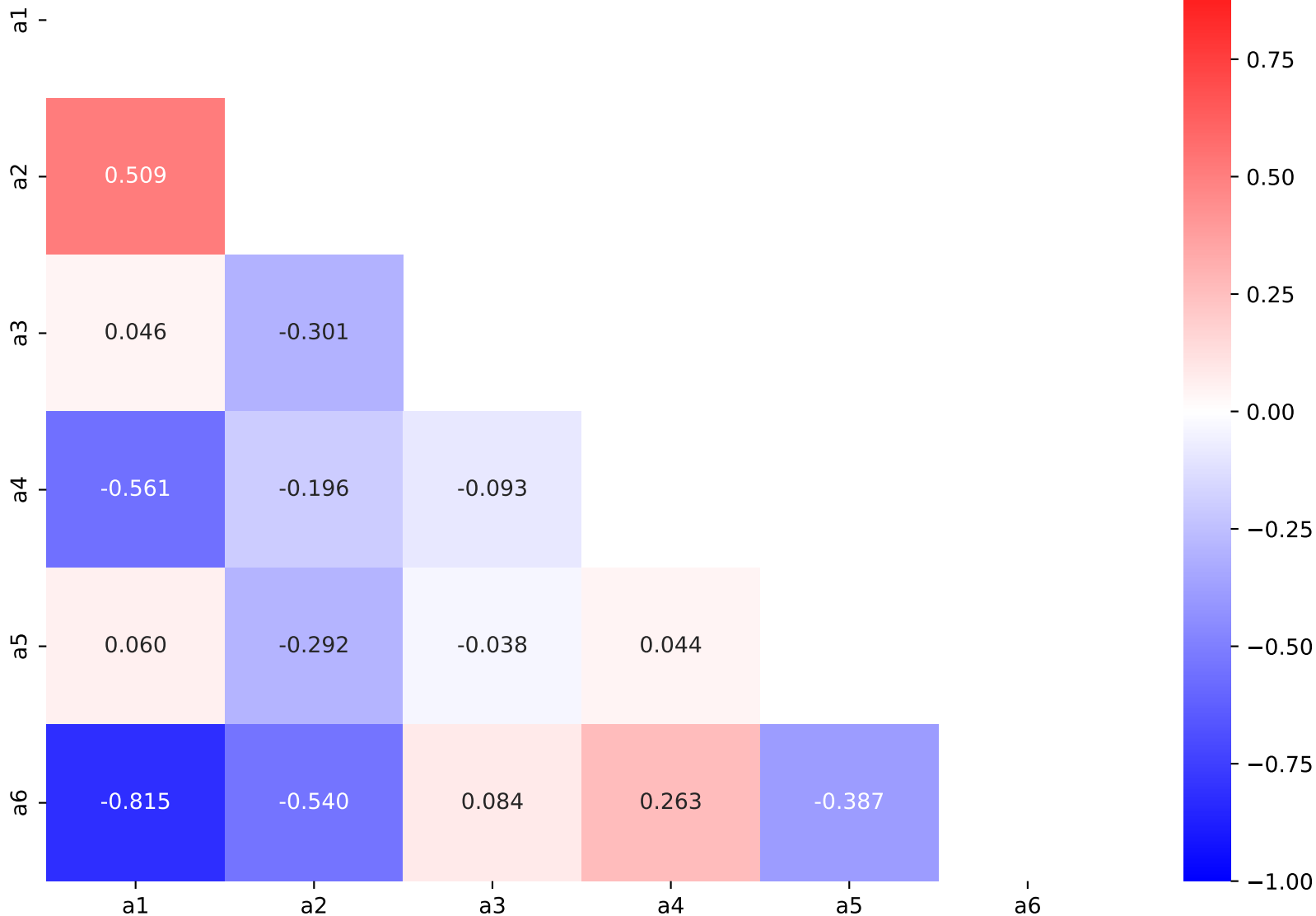
Candidate function #35

$$164.796 * (a_4 + (a_5 * \text{gauss}((a_2 + 3 * ((x_0 - 12.5) * 0.00210526)) * (a_3 + 4 * ((x_0 - 12.5) * 0.00210526)))) + a_5 * \tanh(((x_0 - 12.5) * 0.00210526)) + a_6 * ((x_0 - 12.5) * 0.00210526) * \text{gauss}(((x_0 - 12.5) * 0.00210526) * (a_1 + ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)))$$

$$a_1 = -4.64537^{+0.0459(0.988\%)}_{-0.0459(0.988\%)}, a_2 = -4.5576^{+0.162(3.55\%)}_{-0.162(3.55\%)},$$
$$a_3 = -0.721054^{+0.00617(0.856\%)}_{-0.00617(0.856\%)}, a_4 = 0.0661102^{+0.00744(11.3\%)}_{-0.00744(11.3\%)},$$
$$a_5 = 5.06177^{+0.17(3.36\%)}_{-0.17(3.36\%)}, a_6 = 7.69868^{+0.721(9.37\%)}_{-0.721(9.37\%)}$$

Candidate #35

$$\chi^2/\text{NDF} = 6.664/14, \text{p-value} = 0.9469, \text{RMSE} = 7.814$$



Candidate function #34

$$164.796*(a_4 + (a_5*\text{gauss}((a_2 + 3*((x_0 - 12.5) * 0.00210526))*(a_3 + 4*((x_0 - 12.5) * 0.00210526)))) + a_6*((x_0 - 12.5) * 0.00210526))*\text{gauss}(((x_0 - 12.5) * 0.00210526)*(a_1 + ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)))$$

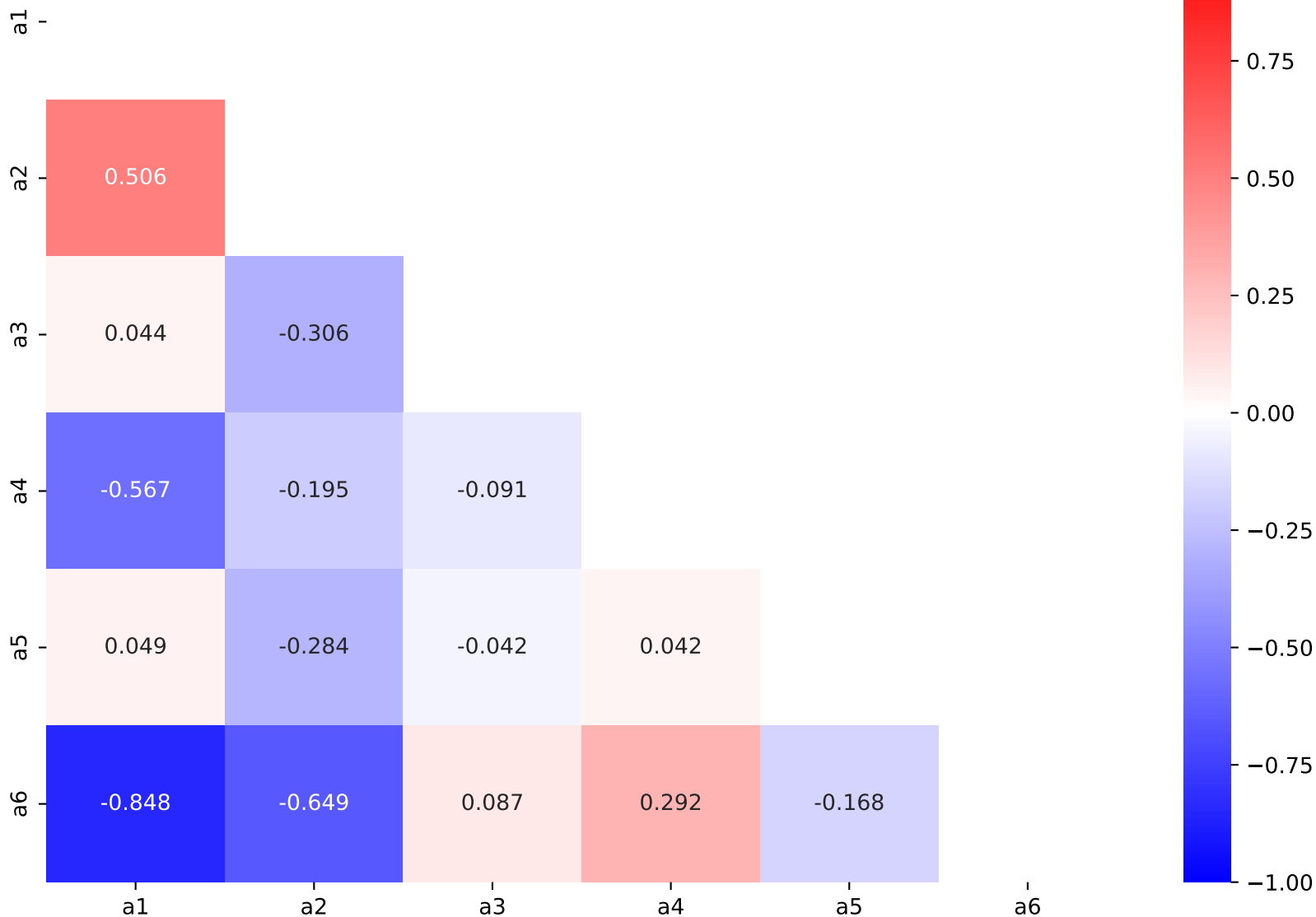
$$a_1 = -4.6647^{+0.0447(0.958\%)}_{-0.0447(0.958\%)}, a_2 = -4.55592^{+0.163(3.58\%)}_{-0.163(3.58\%)},$$

$$a_3 = -0.721433^{+0.00619(0.858\%)}_{-0.00619(0.858\%)}, a_4 = 0.0661392^{+0.00744(11.2\%)}_{-0.00744(11.2\%)},$$

$$a_5 = 5.0841^{+0.172(3.38\%)}_{-0.172(3.38\%)}, a_6 = 12.7605^{+0.674(5.28\%)}_{-0.674(5.28\%)}$$

Candidate #34

$$\chi^2/\text{NDF} = 6.672/14, \text{p-value} = 0.9466, \text{RMSE} = 7.82$$



Candidate function #33

$$164.796 \cdot (a_4 + (a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_5 \cdot \text{gauss}((a_2 + 3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_3 + 4 \cdot ((x_0 - 12.5) \cdot 0.00210526)))) + a_6 \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526) \cdot (a_1 + ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)))$$

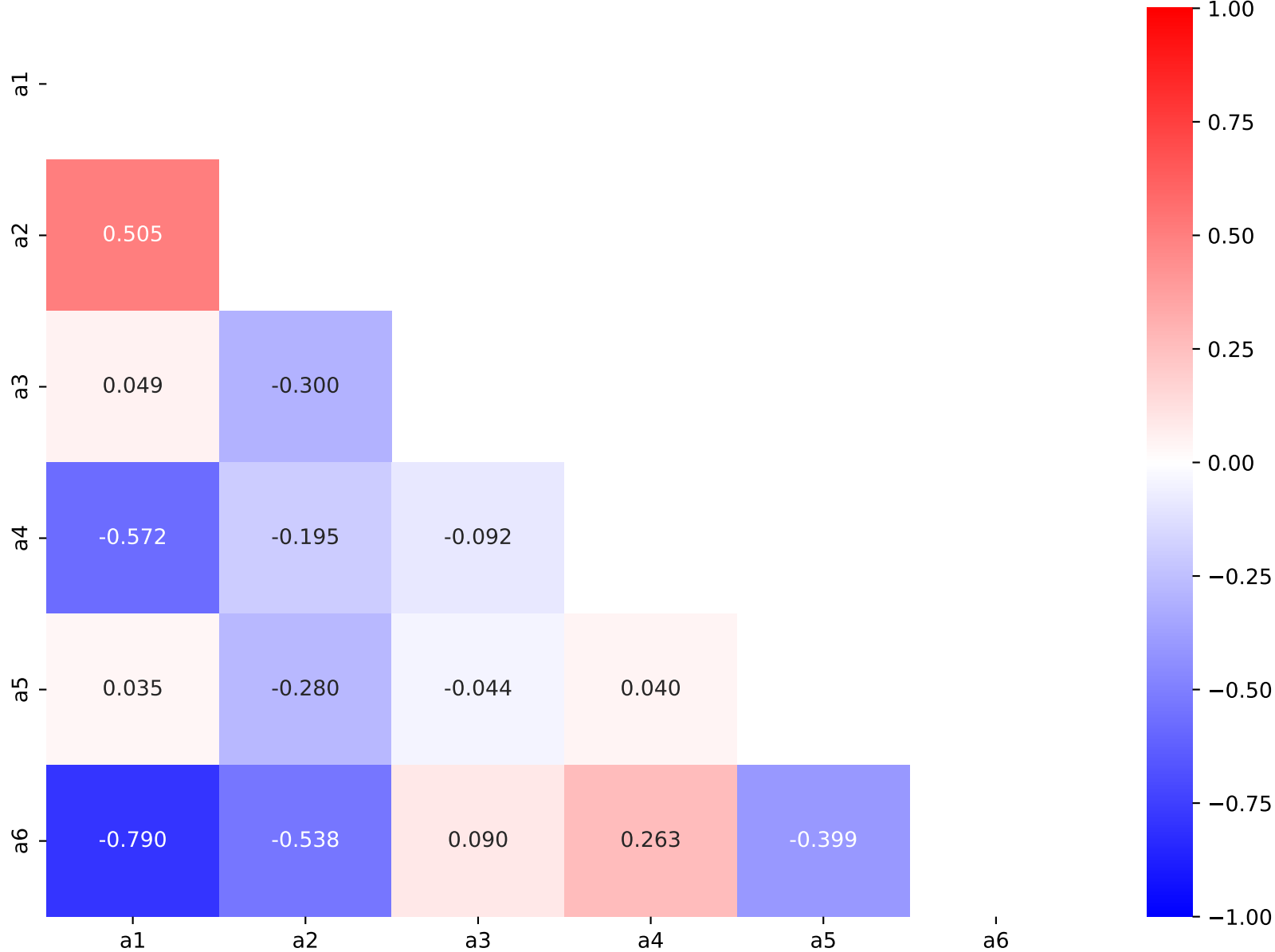
$$a_1 = -4.63483^{+0.0442(0.954\%)}_{-0.0442(0.954\%)}, a_2 = -4.55823^{+0.163(3.58\%)}_{-0.163(3.58\%)},$$

$$a_3 = -0.720849^{+0.00617(0.856\%)}_{-0.00617(0.856\%)}, a_4 = 0.0661267^{+0.00744(11.3\%)}_{-0.00744(11.3\%)},$$

$$a_5 = 5.04996^{+0.172(3.41\%)}_{-0.172(3.41\%)}, a_6 = 7.70743^{+0.723(9.38\%)}_{-0.723(9.38\%)}$$

Candidate #33

$$\chi^2/\text{NDF} = 6.666/14, \text{ p-value} = 0.9468, \text{ RMSE} = 7.812$$



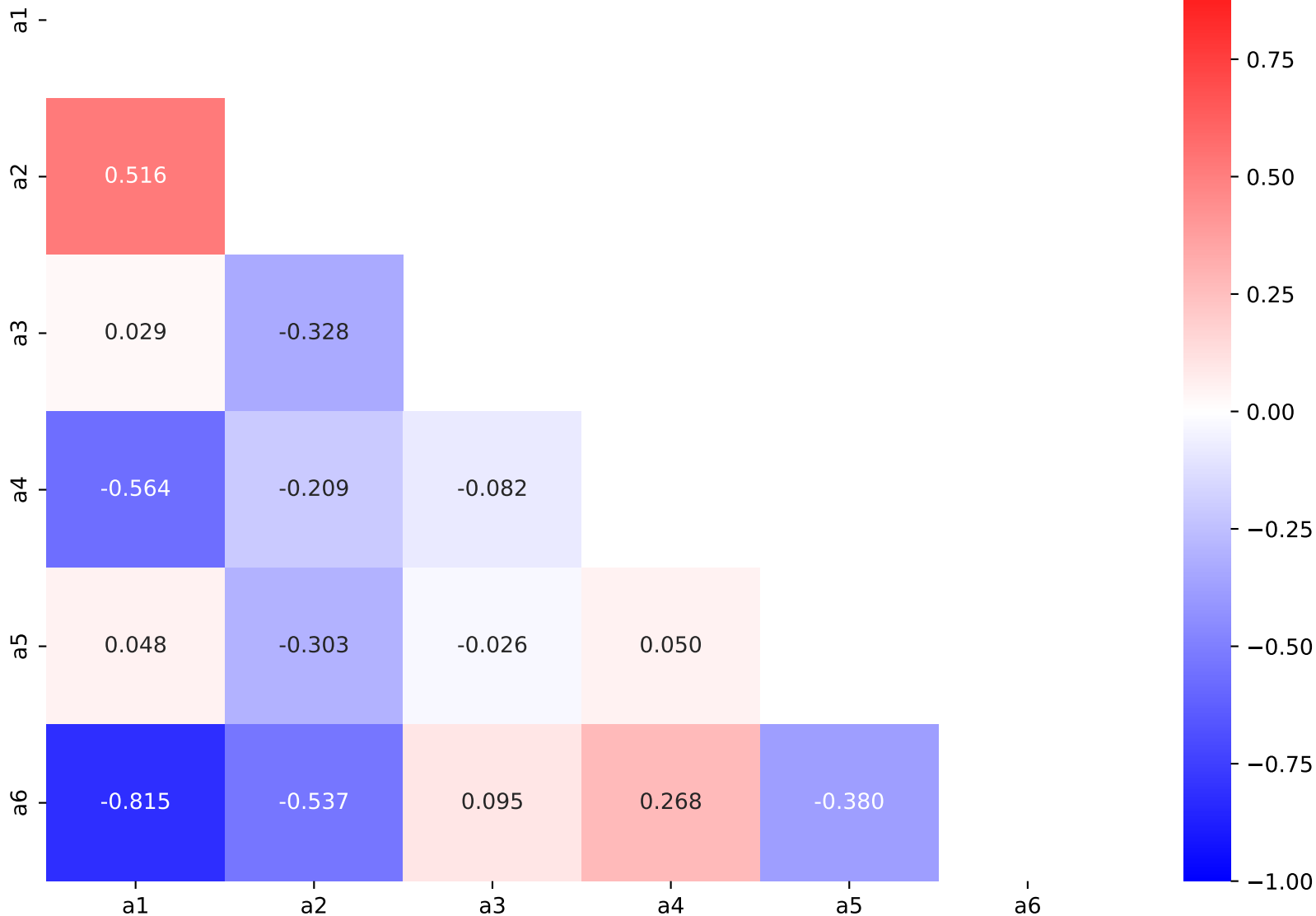
Candidate function #32

$$164.796 * (a_4 + (a_5 * \text{gauss}((a_2 + 2 * ((x_0 - 12.5) * 0.00210526)) * (a_3 + 4 * ((x_0 - 12.5) * 0.00210526)))) + a_5 * \tanh(((x_0 - 12.5) * 0.00210526)) + a_6 * ((x_0 - 12.5) * 0.00210526) * \text{gauss}(((x_0 - 12.5) * 0.00210526) * (a_1 + ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)))$$

$$a_1 = -4.6488^{+0.0491(1.06\%)}_{-0.0491(1.06\%)}, \quad a_2 = -4.42418^{+0.177(4.0\%)}_{-0.177(4.0\%)}, \\ a_3 = -0.72367^{+0.00665(0.919\%)}_{-0.00665(0.919\%)}, \quad a_4 = 0.0660551^{+0.00798(12.1\%)}_{-0.00798(12.1\%)}, \\ a_5 = 5.07431^{+0.184(3.63\%)}_{-0.184(3.63\%)}, \quad a_6 = 7.78682^{+0.769(9.88\%)}_{-0.769(9.88\%)}$$

Candidate #32

$$\chi^2/\text{NDF} = 7.655/14, \quad \text{p-value} = 0.9065, \quad \text{RMSE} = 8.965$$



Candidate function #31

$$164.796 * (a_4 + (a_5 * \text{gauss}((a_2 + 2 * ((x_0 - 12.5) * 0.00210526)) * (a_3 + 4 * ((x_0 - 12.5) * 0.00210526)))) + a_6 * ((x_0 - 12.5) * 0.00210526)) * \text{gauss}(((x_0 - 12.5) * 0.00210526) * (a_1 + ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)))$$

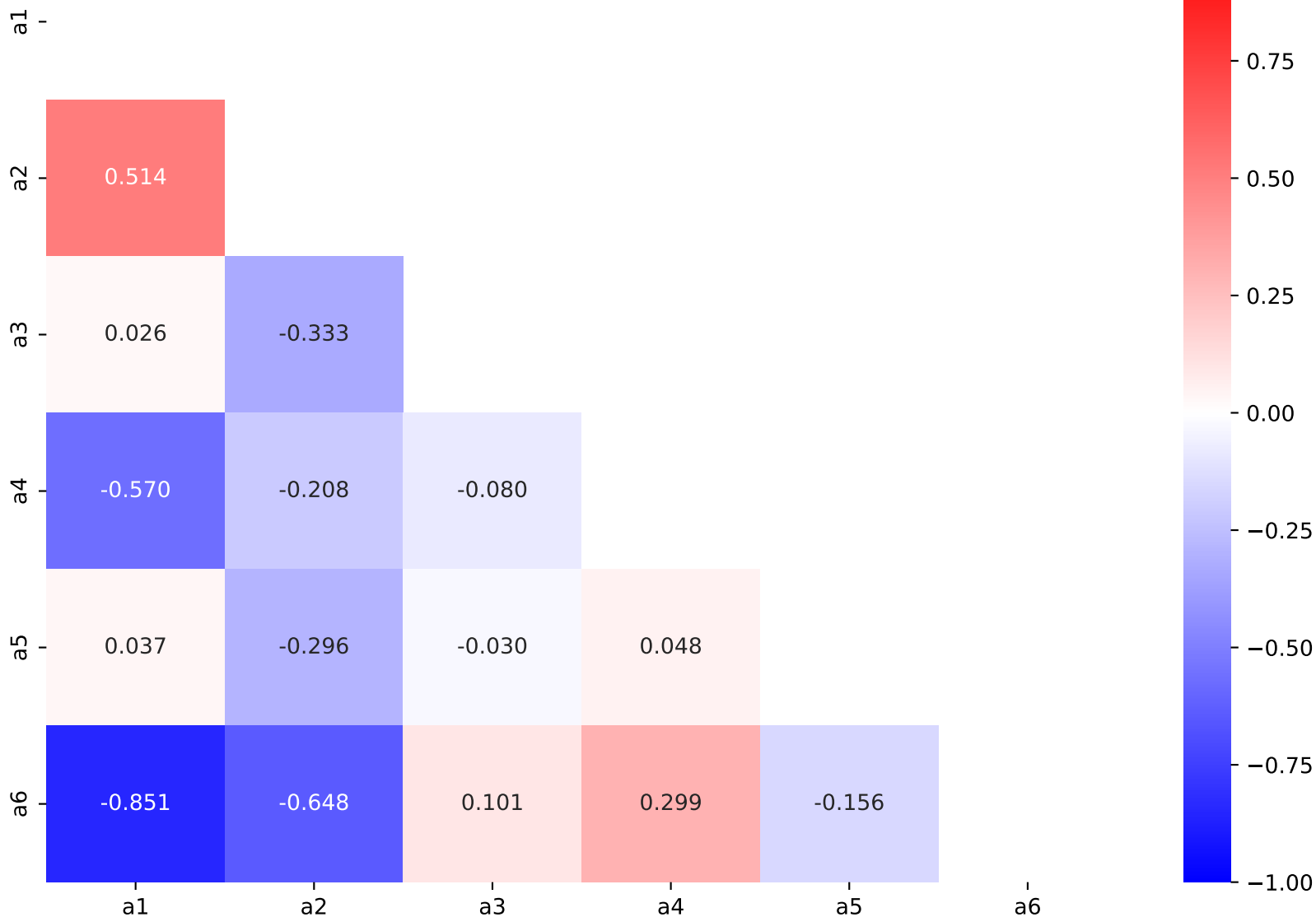
$$a_1 = -4.66801^{+0.0478(1.02\%)}_{-0.0478(1.02\%)}, \quad a_2 = -4.42272^{+0.178(4.02\%)}_{-0.178(4.02\%)},$$

$$a_3 = -0.724038^{+0.00667(0.921\%)}_{-0.00667(0.921\%)}, \quad a_4 = 0.0660845^{+0.00798(12.1\%)}_{-0.00798(12.1\%)},$$

$$a_5 = 5.09672^{+0.186(3.65\%)}_{-0.186(3.65\%)}, \quad a_6 = 12.8612^{+0.72(5.6\%)}_{-0.72(5.6\%)}$$

Candidate #31

$$\chi^2/\text{NDF} = 7.663/14, \text{ p-value} = 0.9061, \text{ RMSE} = 8.97$$



Candidate function #30

$$164.796 * (a_4 + (a_5 * \text{gauss}((a_2 + ((x_0 - 12.5) * 0.00210526)) * (a_3 + 4 * ((x_0 - 12.5) * 0.00210526)))) + a_5 * \tanh(((x_0 - 12.5) * 0.00210526)) + a_6 * ((x_0 - 12.5) * 0.00210526) * \text{gauss}(((x_0 - 12.5) * 0.00210526) * (a_1 + ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)))$$

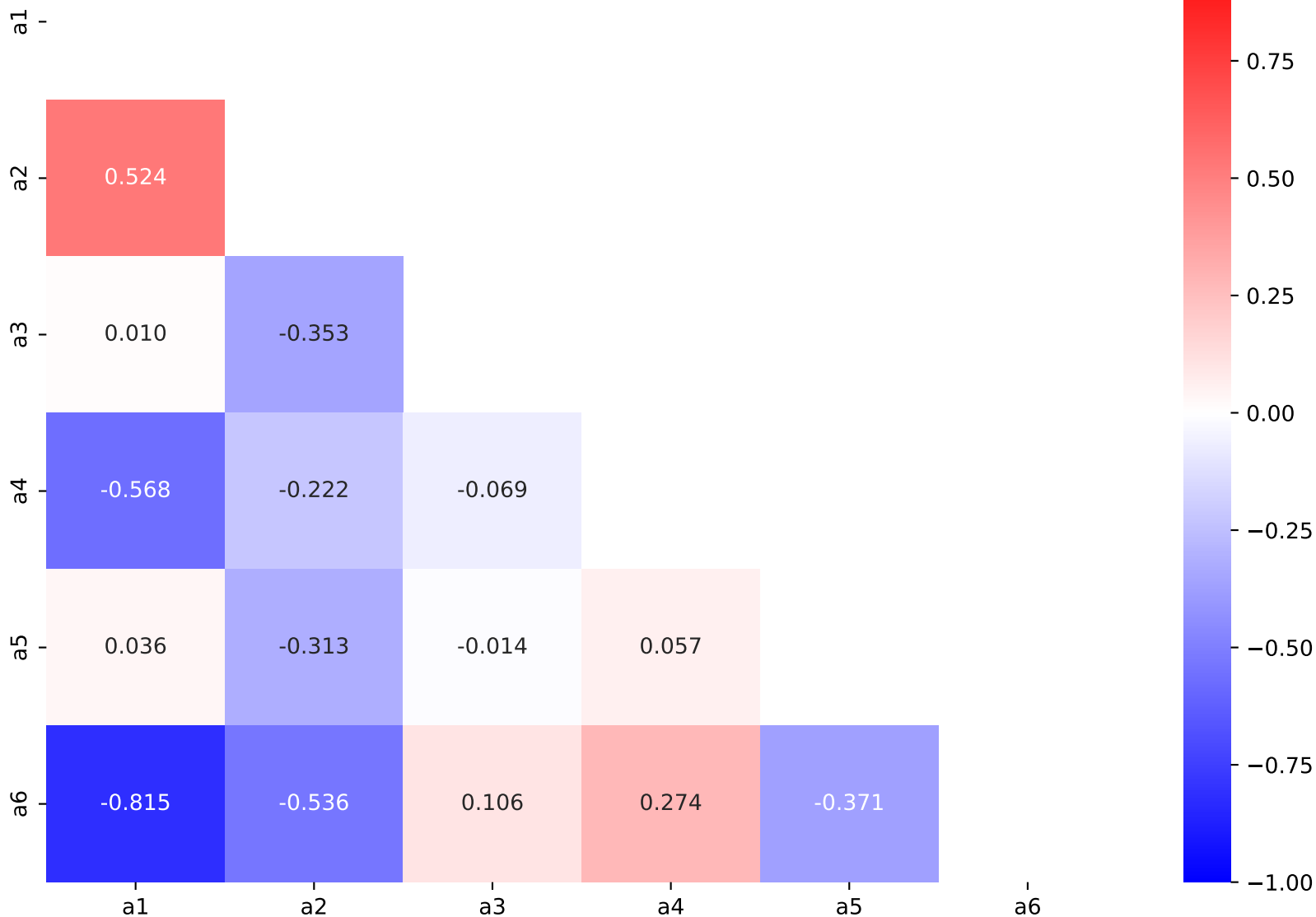
$$a_1 = -4.65264^{+0.0526(1.13\%)}_{-0.0526(1.13\%)}, \quad a_2 = -4.30031^{+0.194(4.51\%)}_{-0.194(4.51\%)},$$

$$a_3 = -0.725926^{+0.00715(0.985\%)}_{-0.00715(0.985\%)}, \quad a_4 = 0.0660326^{+0.00855(12.9\%)}_{-0.00855(12.9\%)},$$

$$a_5 = 5.09043^{+0.199(3.91\%)}_{-0.199(3.91\%)}, \quad a_6 = 7.8763^{+0.822(10.4\%)}_{-0.822(10.4\%)}$$

Candidate #30

$$\chi^2/\text{NDF} = 8.78/14, \text{ p-value} = 0.8449, \text{ RMSE} = 10.06$$



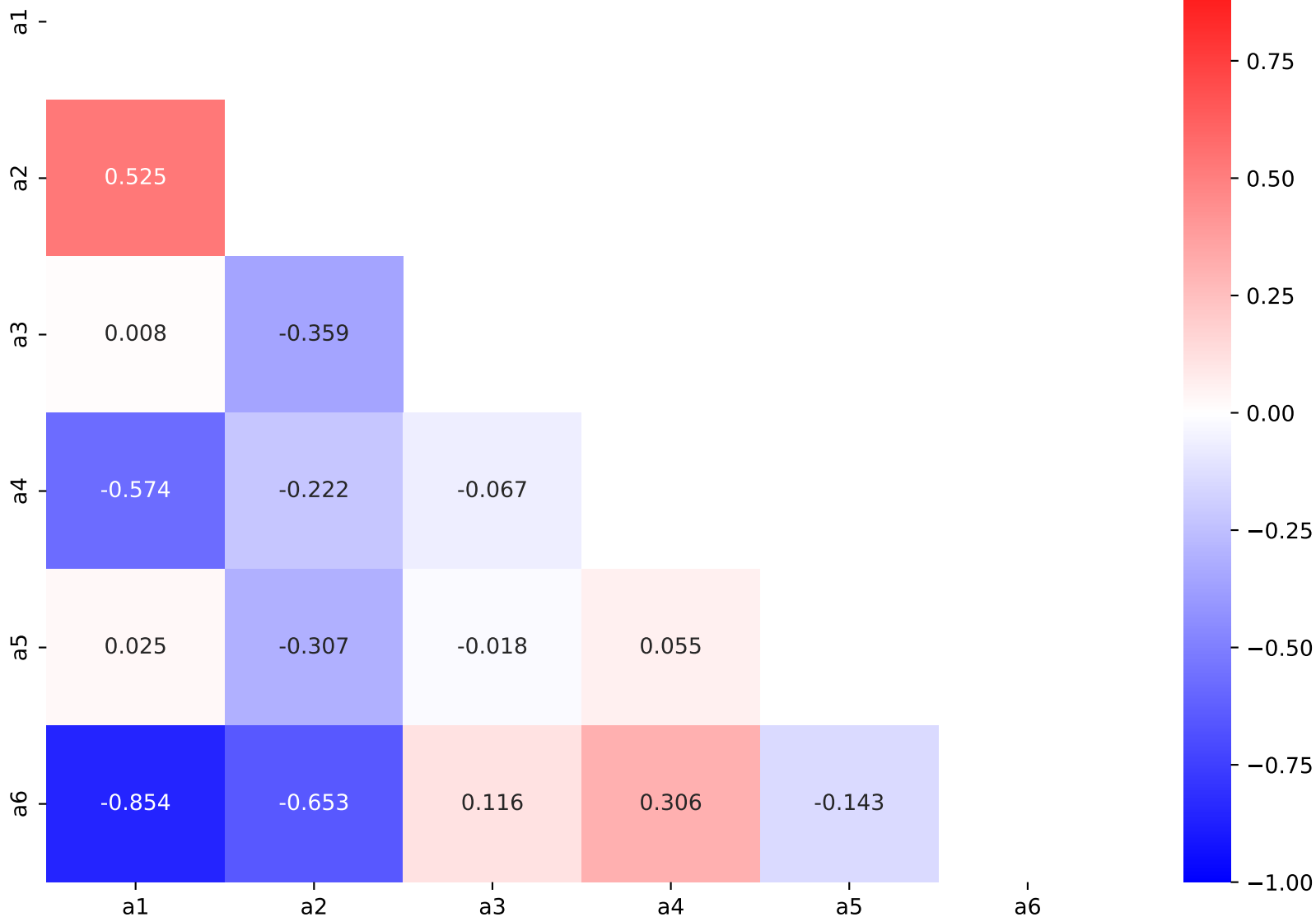
Candidate function #29

$$164.796 * (a_4 + (a_5 * \text{gauss}((a_2 + ((x_0 - 12.5) * 0.00210526)) * (a_3 + 4 * ((x_0 - 12.5) * 0.00210526)))) + a_6 * ((x_0 - 12.5) * 0.00210526)) * \text{gauss}(((x_0 - 12.5) * 0.00210526) * (a_1 + ((x_0 - 12.5) * 0.00210526))) + ((x_0 - 12.5) * 0.00210526)))$$

$$a_1 = -4.67173^{+0.0512(1.1\%)}_{-0.0512(1.1\%)}, \quad a_2 = -4.29905^{+0.194(4.51\%)}_{-0.194(4.51\%)}, \\ a_3 = -0.726283^{+0.00717(0.987\%)}_{-0.00717(0.987\%)}, \quad a_4 = 0.0660625^{+0.00855(12.9\%)}_{-0.00855(12.9\%)}, \\ a_5 = 5.11292^{+0.201(3.93\%)}_{-0.201(3.93\%)}, \quad a_6 = 12.9669^{+0.771(5.95\%)}_{-0.771(5.95\%)}$$

Candidate #29

$$\chi^2/\text{NDF} = 8.788/14, \text{ p-value} = 0.8444, \text{ RMSE} = 10.06$$



Candidate function #28

$$164.796 \cdot (a_3 + (a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_5 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_4) + a_6 \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526) \cdot (a_2 + ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)))$$

SymbolFit

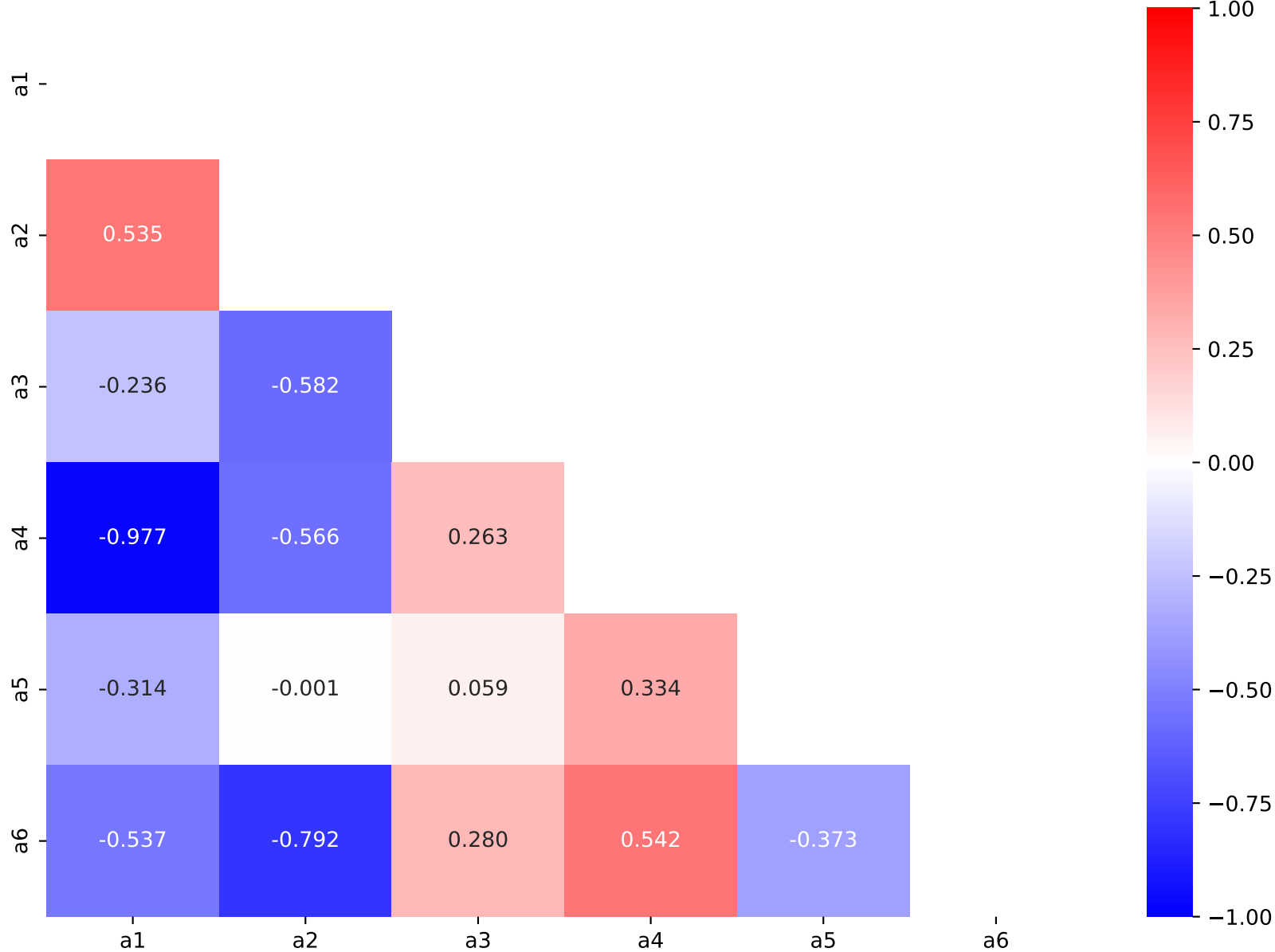
$$a_1 = -16.7553^{+0.851(5.08\%)}_{-0.851(5.08\%)}, \quad a_2 = -4.64613^{+0.0543(1.17\%)}_{-0.0543(1.17\%)},$$

$$a_3 = 0.0660792^{+0.00914(13.8\%)}_{-0.00914(13.8\%)}, \quad a_4 = 3.04755^{+0.146(4.79\%)}_{-0.146(4.79\%)},$$

$$a_5 = 5.0977^{+0.217(4.26\%)}_{-0.217(4.26\%)}, \quad a_6 = 7.98382^{+0.881(11.0\%)}_{-0.881(11.0\%)}$$

Candidate #28

$$\chi^2/\text{NDF} = 10.03/14, \quad \text{p-value} = 0.7602, \quad \text{RMSE} = 11.06$$



Candidate function #27

$$164.796 \cdot (a_3 + (a_5 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_4) + a_6 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526) \cdot (a_2 + ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)))$$

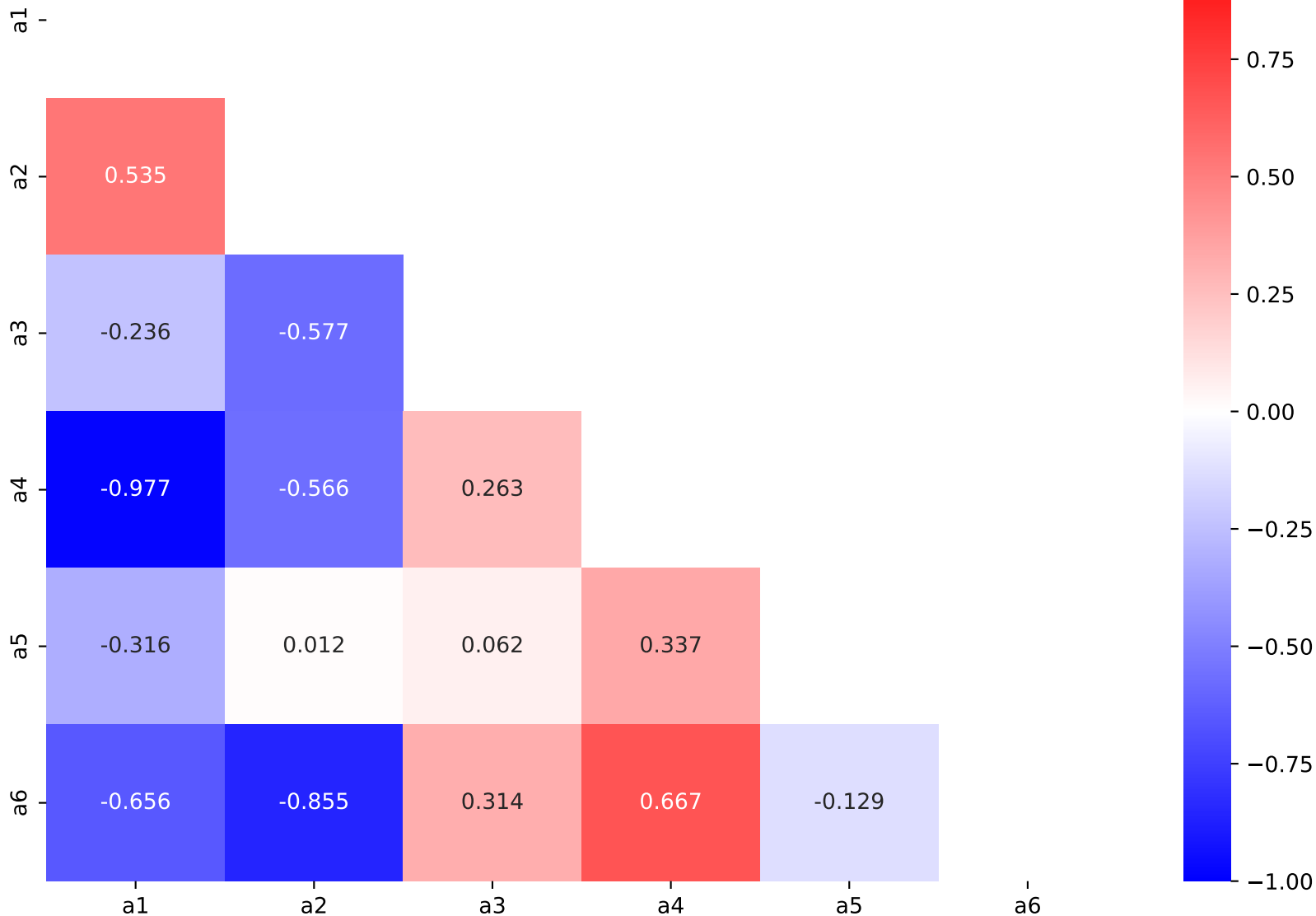
$$a_1 = -16.7497^{+0.851(5.08\%)}_{-0.851(5.08\%)}, \quad a_2 = -4.67621^{+0.0548(1.17\%)}_{-0.0548(1.17\%)},$$

$$a_3 = 0.0660926^{+0.00914(13.8\%)}_{-0.00914(13.8\%)}, \quad a_4 = 3.04882^{+0.146(4.79\%)}_{-0.146(4.79\%)},$$

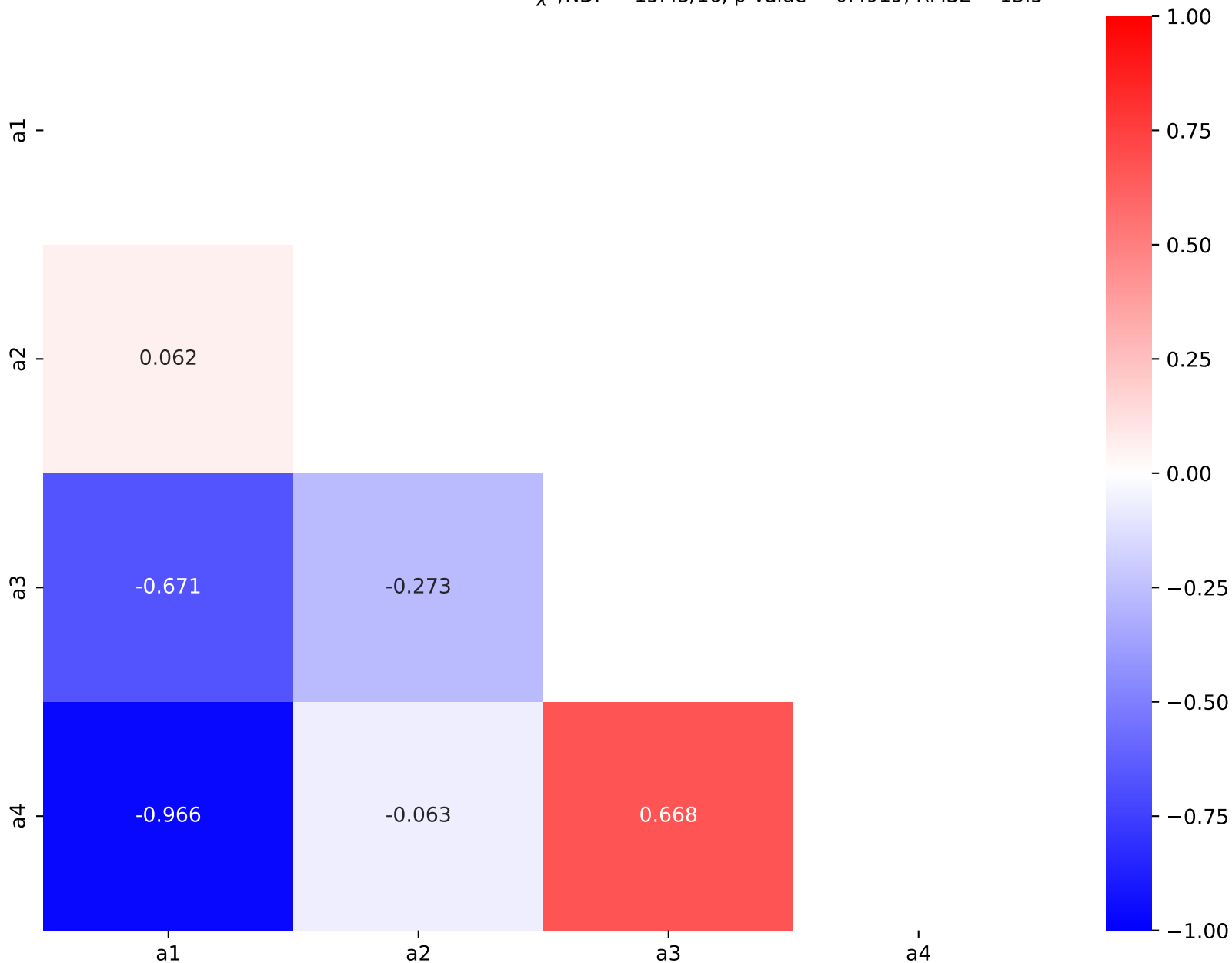
$$a_5 = 5.13315^{+0.218(4.25\%)}_{-0.218(4.25\%)}, \quad a_6 = 13.0848^{+0.826(6.31\%)}_{-0.826(6.31\%)}$$

Candidate #27

$$\chi^2/\text{NDF} = 10.04/14, \quad \text{p-value} = 0.7596, \quad \text{RMSE} = 11.07$$



Candidate function #26

$$164.796 \cdot (a_2 \cdot \text{gauss}((x_0 - 12.5) \cdot 0.00210526)) \cdot \exp(((x_0 - 12.5) \cdot 0.00210526)) + (a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3 \cdot \text{gauss}(a_1 + a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + a_3 \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$
$$a_1 = -2.78766^{+0.108(3.87\%)}_{-0.108(3.87\%)}, \quad a_2 = 0.0789064^{+0.00739(9.37\%)}_{-0.00739(9.37\%)},$$
$$a_3 = 4.90299^{+0.13(2.65\%)}_{-0.13(2.65\%)}, \quad a_4 = 15.3975^{+0.655(4.25\%)}_{-0.655(4.25\%)}$$
Candidate #26 $\chi^2/\text{NDF} = 15.45/16$, p-value = 0.4919, RMSE = 13.3

Candidate function #25

$$164.796 \cdot (a_4 + (a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_5 \cdot \text{gauss}((a_1 + 3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_3 + 3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))) + a_5 \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(a_2 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

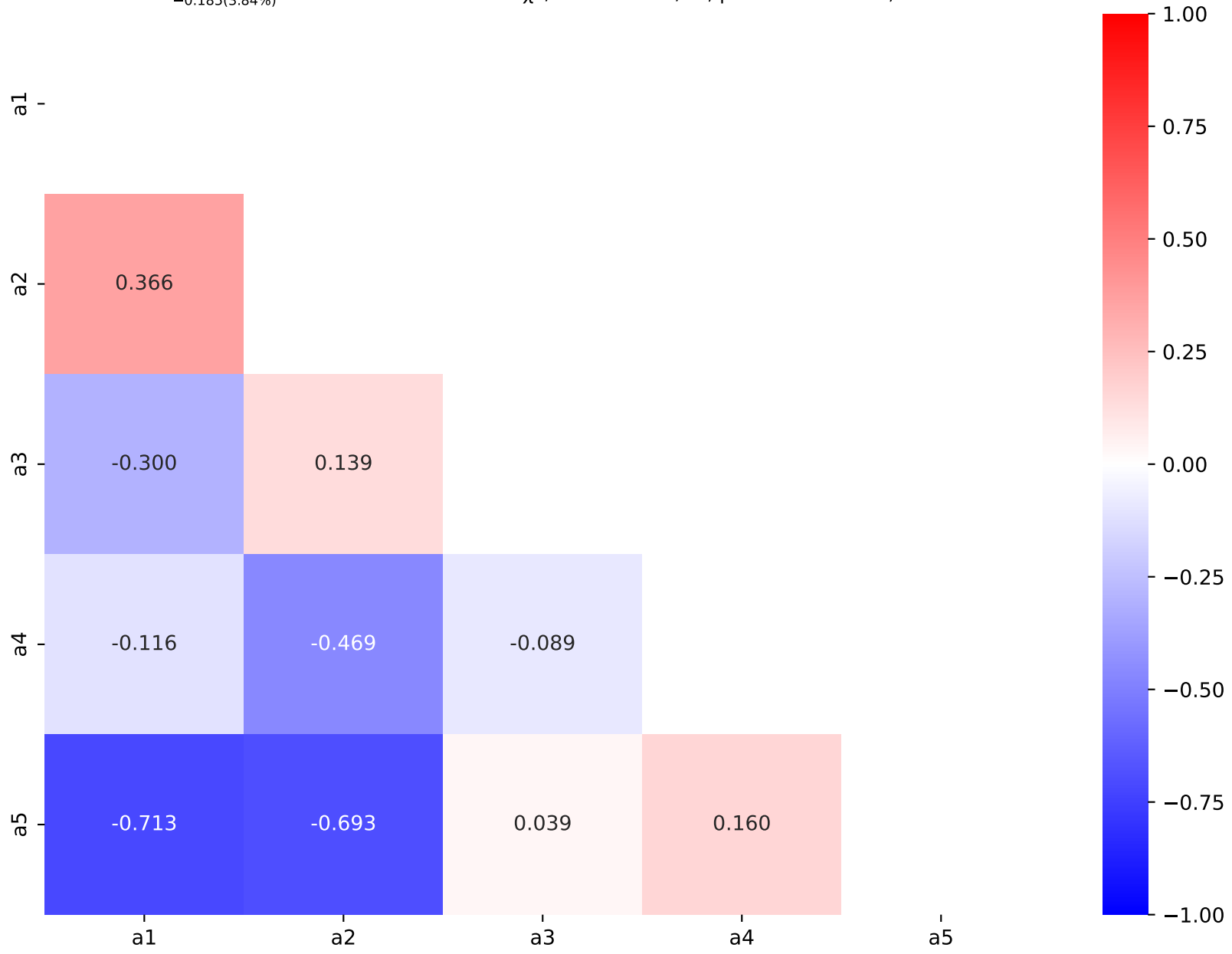
$$a_1 = -5.54134^{+0.244(4.4\%)}_{-0.244(4.4\%)}, \quad a_2 = -2.95944^{+0.0516(1.74\%)}_{-0.0516(1.74\%)},$$

$$a_3 = -0.537037^{+0.0065(1.21\%)}_{-0.0065(1.21\%)}, \quad a_4 = 0.0827012^{+0.00967(11.7\%)}_{-0.00967(11.7\%)},$$

$$a_5 = 4.81531^{+0.185(3.84\%)}_{-0.185(3.84\%)}$$

Candidate #25

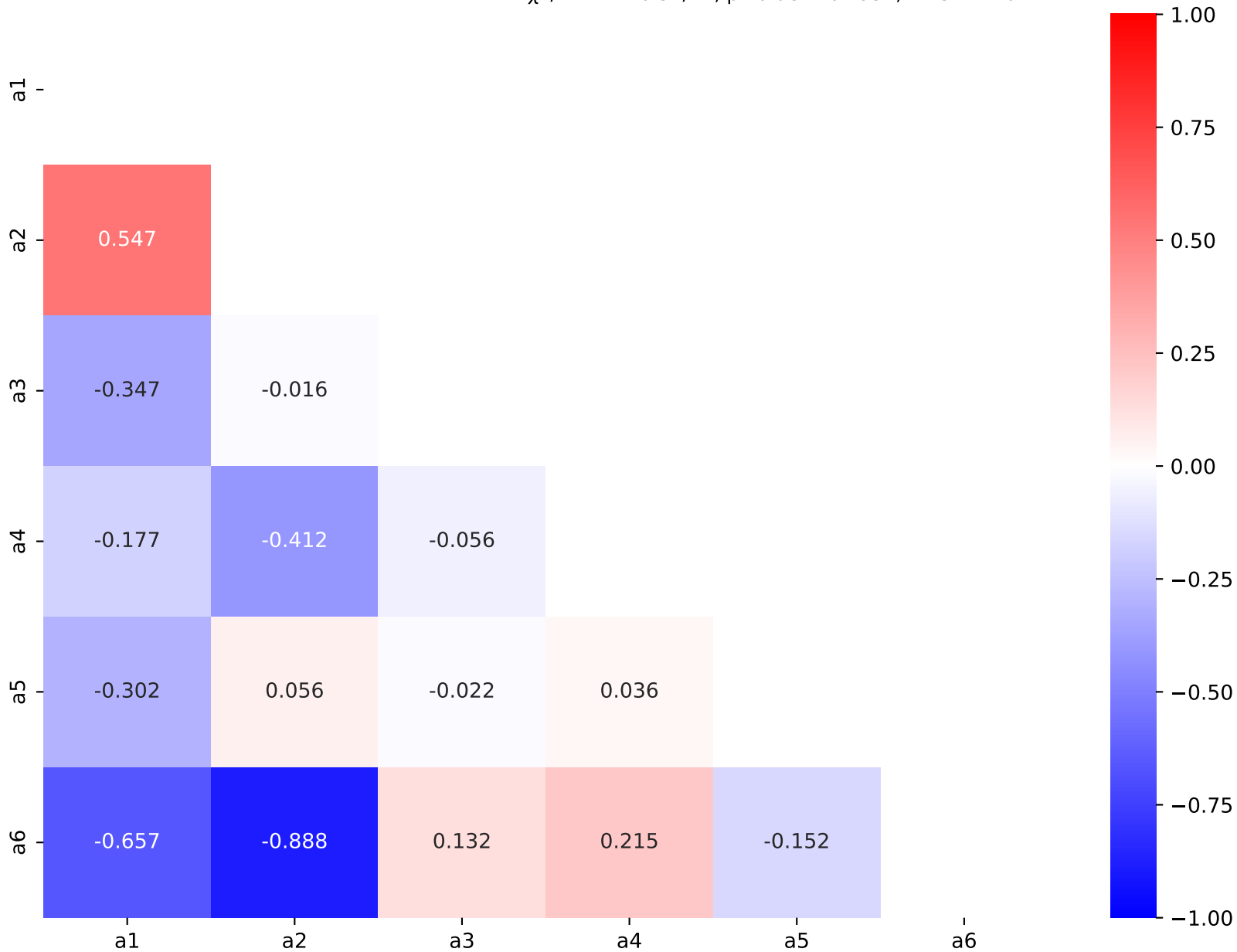
$$\chi^2/\text{NDF} = 15.89/15, \quad \text{p-value} = 0.3896, \quad \text{RMSE} = 10.87$$



Candidate function #24

$$164.796*(a4 + (a5*\text{gauss}((a1 + 2*((x0 - 12.5) * 0.00210526))*(a3 + 3*((x0 - 12.5) * 0.00210526)))) + a6*((x0 - 12.5) * 0.00210526))*\text{gauss}(a2*((x0 - 12.5) * 0.00210526)))$$

$$a1 = -5.49746^{+0.302(5.49\%)}_{-0.302(5.49\%)}, \quad a2 = -3.03106^{+0.0838(2.76\%)}_{-0.0838(2.76\%)}, \\ a3 = -0.538484^{+0.00704(1.31\%)}_{-0.00704(1.31\%)}, \quad a4 = 0.084116^{+0.0102(12.1\%)}_{-0.0102(12.1\%)}, \\ a5 = 4.7937^{+0.238(4.96\%)}_{-0.238(4.96\%)}, \quad a6 = 10.2335^{+0.972(9.5\%)}_{-0.972(9.5\%)}$$

Candidate #24 $\chi^2/\text{NDF} = 16.31/14$, p-value = 0.2951, RMSE = 10.77

Candidate function #23

$$164.796 \cdot (a_3 + (a_5 \cdot \text{gauss}((a_1 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_2 + 3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))) + a_6 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

SymbolFit

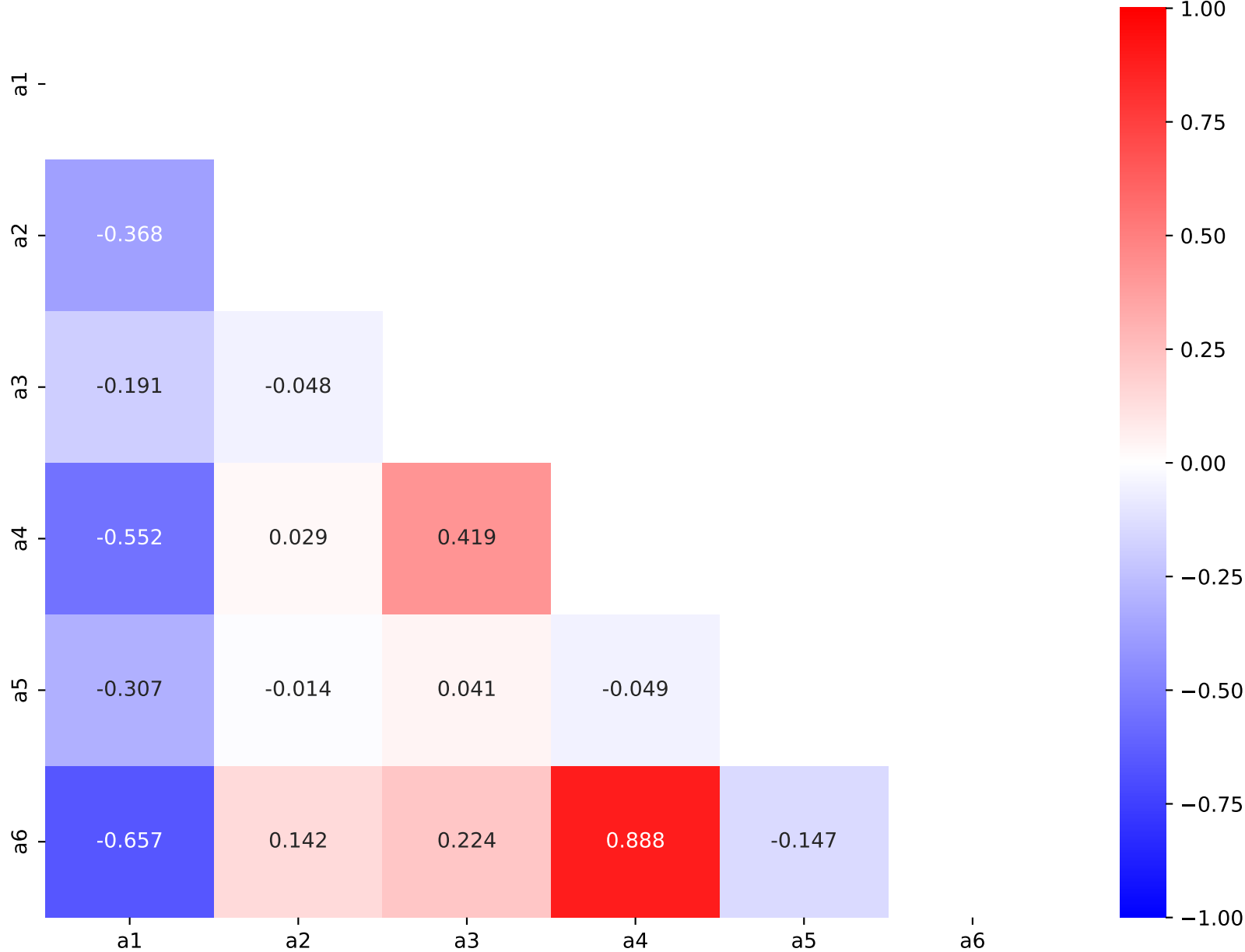
$$a_1 = -5.36131^{+0.311(5.8\%)}_{-0.311(5.8\%)}, \quad a_2 = -0.540169^{+0.00724(1.34\%)}_{-0.00724(1.34\%)},$$

$$a_3 = 0.0839784^{+0.0104(12.4\%)}_{-0.0104(12.4\%)}, \quad a_4 = 3.03438^{+0.0856(2.82\%)}_{-0.0856(2.82\%)},$$

$$a_5 = 4.80136^{+0.244(5.08\%)}_{-0.244(5.08\%)}, \quad a_6 = 10.3024^{+0.992(9.63\%)}_{-0.992(9.63\%)}$$

Candidate #23

$$\chi^2/\text{NDF} = 17.04/14, \text{ p-value} = 0.254, \text{ RMSE} = 11.55$$



Candidate function #22

$$164.796*(a2 + (a3*gauss(a1 + a5*((x0 - 12.5) * 0.00210526)) + a4*((x0 - 12.5) * 0.00210526))*gauss(3*((x0 - 12.5) * 0.00210526)))$$

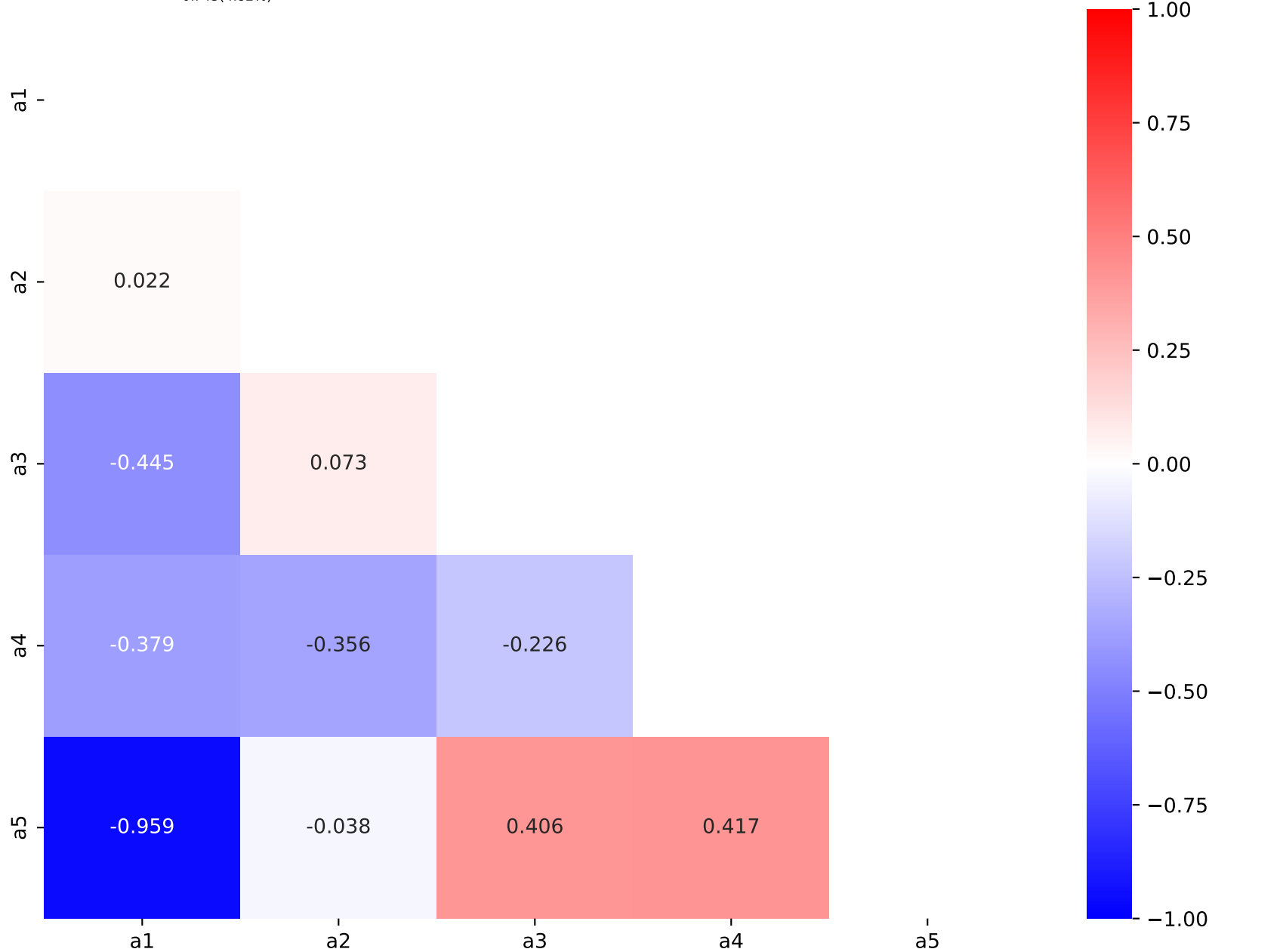
$$a1 = -2.78767^{+0.123(4.41\%)}_{-0.123(4.41\%)}, \quad a2 = 0.0818628^{+0.00943(11.5\%)}_{-0.00943(11.5\%)},$$

$$a3 = 4.81147^{+0.24(4.99\%)}_{-0.24(4.99\%)}, \quad a4 = 9.97482^{+0.438(4.39\%)}_{-0.438(4.39\%)},$$

$$a5 = 15.4212^{+0.743(4.82\%)}_{-0.743(4.82\%)}$$

$$\chi^2/\text{NDF} = 18.06/15, \text{ p-value} = 0.2597, \text{ RMSE} = 13.09$$

Candidate #22



Candidate function #21

$$164.796 \cdot (a_3 + (a_4 \cdot \text{gauss}(a_2 + a_6 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

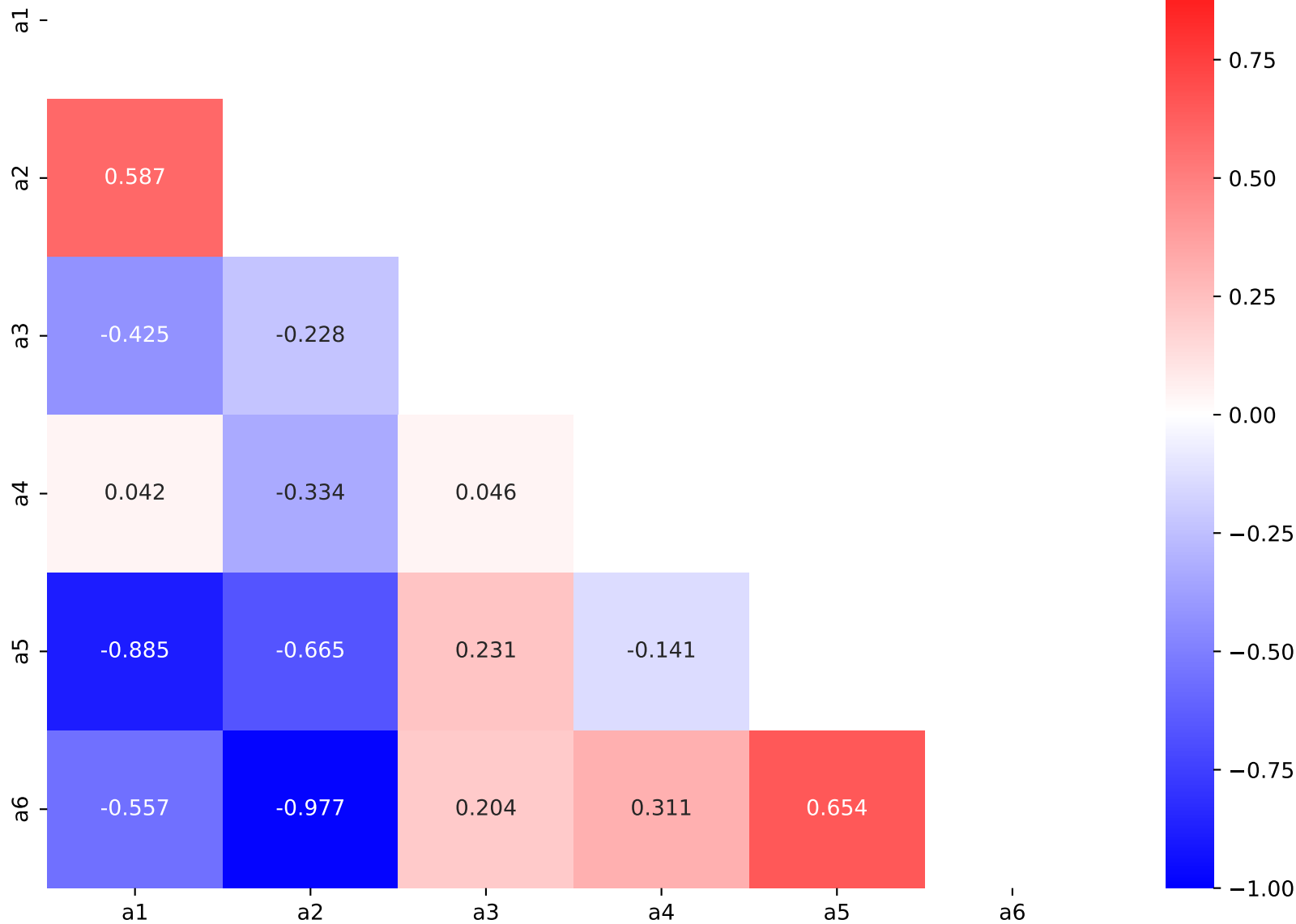
$$a_1 = -3.03882^{+0.0876(2.88\%)}_{-0.0876(2.88\%)}, \quad a_2 = -2.83663^{+0.163(5.75\%)}_{-0.163(5.75\%)},$$

$$a_3 = 0.0838703^{+0.0107(12.8\%)}_{-0.0107(12.8\%)}, \quad a_4 = 4.81193^{+0.252(5.24\%)}_{-0.252(5.24\%)},$$

$$a_5 = 10.3854^{+1.02(9.82\%)}_{-1.02(9.82\%)}, \quad a_6 = 15.7108^{+0.967(6.16\%)}_{-0.967(6.16\%)}$$

Candidate #21

$$\chi^2/\text{NDF} = 17.89/14, \text{ p-value} = 0.2118, \text{ RMSE} = 12.29$$



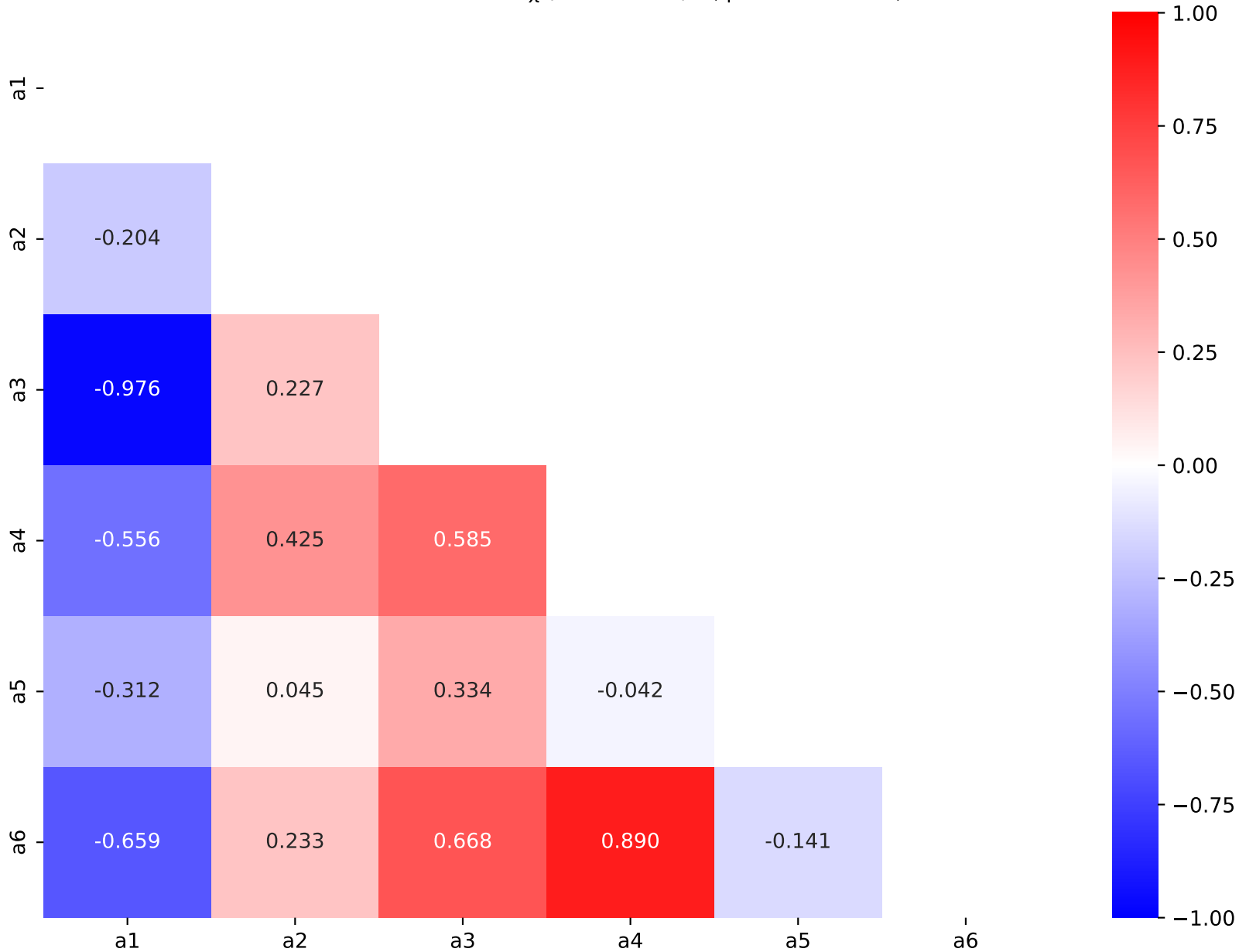
Candidate function #20

$$164.796 \cdot (a_2 + (a_5 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) + a_6 \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -15.7304^{+0.964(6.13\%)}_{-0.964(6.13\%)}, \quad a_2 = 0.0837128^{+0.0107(12.8\%)}_{-0.0107(12.8\%)},$$

$$a_3 = 2.83658^{+0.163(5.75\%)}_{-0.163(5.75\%)}, \quad a_4 = 2.98788^{+0.0886(2.97\%)}_{-0.0886(2.97\%)},$$

$$a_5 = 4.76237^{+0.249(5.23\%)}_{-0.249(5.23\%)}, \quad a_6 = 10.4088^{+1.01(9.7\%)}_{-1.01(9.7\%)}$$

Candidate #20 $\chi^2/\text{NDF} = 17.76/14$, p-value = 0.2181, RMSE = 12.27

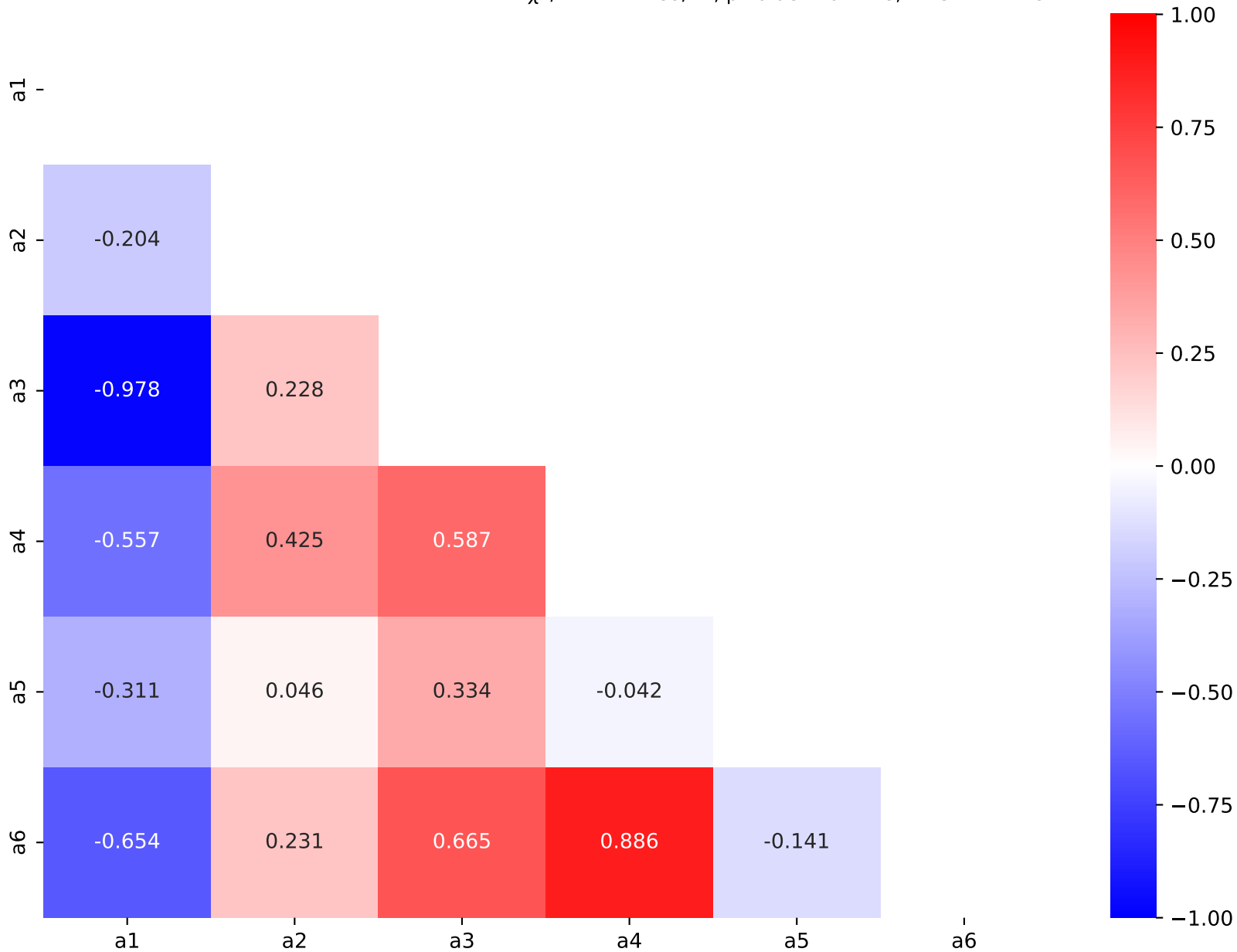
Candidate function #19

$$164.796 \cdot (a_2 + (a_5 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) + a_6 \cdot ((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -15.7107^{+0.967(6.16\%)}_{-0.967(6.16\%)}, \quad a_2 = 0.0838707^{+0.0107(12.8\%)}_{-0.0107(12.8\%)},$$

$$a_3 = 2.83663^{+0.163(5.75\%)}_{-0.163(5.75\%)}, \quad a_4 = 3.03882^{+0.0876(2.88\%)}_{-0.0876(2.88\%)},$$

$$a_5 = 4.81192^{+0.252(5.24\%)}_{-0.252(5.24\%)}, \quad a_6 = 10.3855^{+1.02(9.82\%)}_{-1.02(9.82\%)}$$

Candidate #19 $\chi^2/\text{NDF} = 17.89/14$, p-value = 0.2118, RMSE = 12.29

Candidate function #18

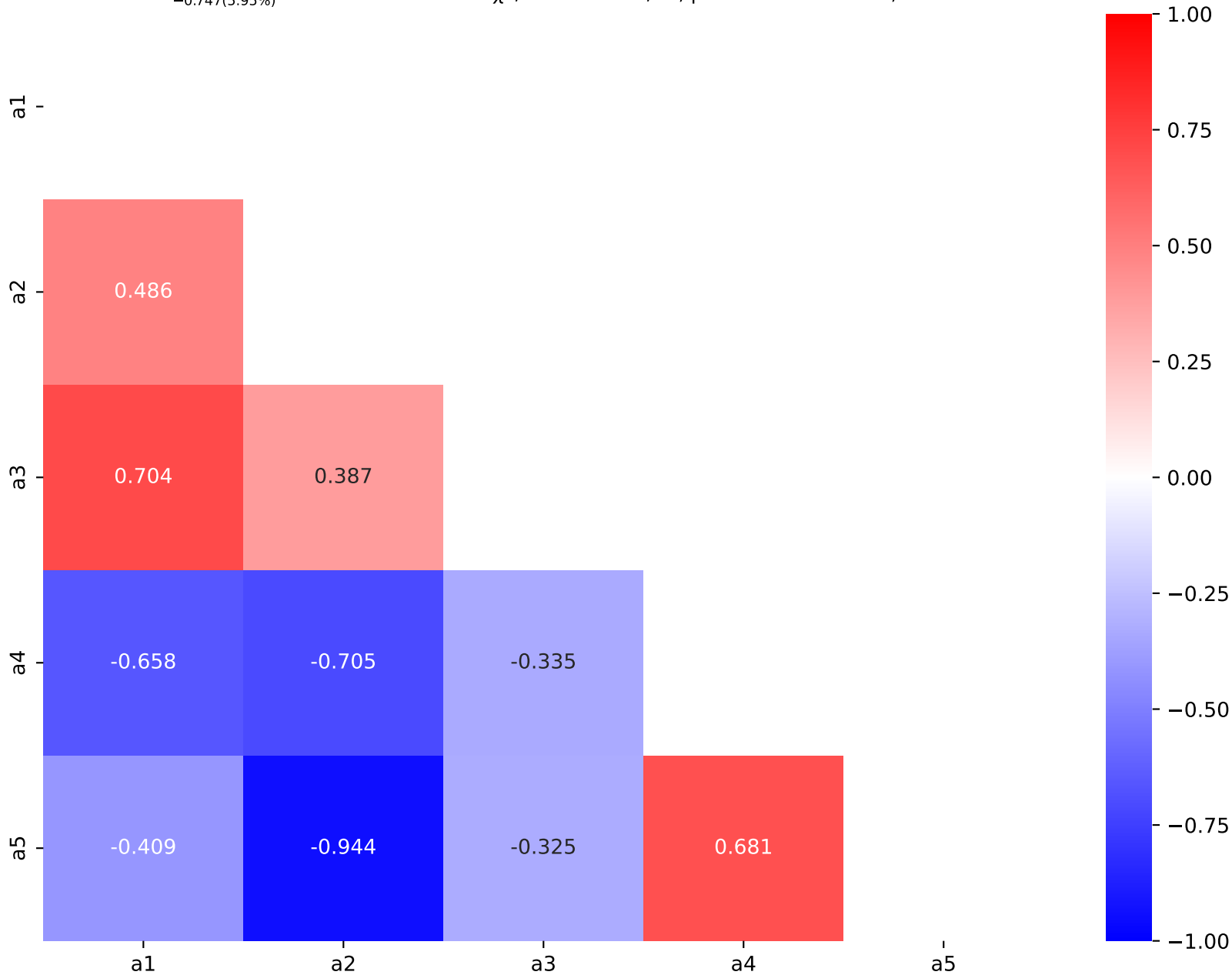
$$164.796*((a4*((x0 - 12.5) * 0.00210526) + a4*\text{gauss}(a2 + a5*((x0 - 12.5) * 0.00210526)))*\text{gauss}(a1*((x0 - 12.5) * 0.00210526)) + \text{gauss}(a3))$$

$$a1 = -2.50739^{+0.101(4.03\%)}_{-0.101(4.03\%)}, \quad a2 = -2.32373^{+0.131(5.64\%)}_{-0.131(5.64\%)},$$

$$a3 = 1.69496^{+0.118(6.96\%)}_{-0.118(6.96\%)}, \quad a4 = 5.0898^{+0.317(6.23\%)}_{-0.317(6.23\%)},$$

$$a5 = 12.5479^{+0.747(5.95\%)}_{-0.747(5.95\%)}$$

$$\chi^2/\text{NDF} = 53.45/15, \text{ p-value} = 3.244\text{e-}06, \text{ RMSE} = 28.23$$

Candidate #18

Candidate function #17

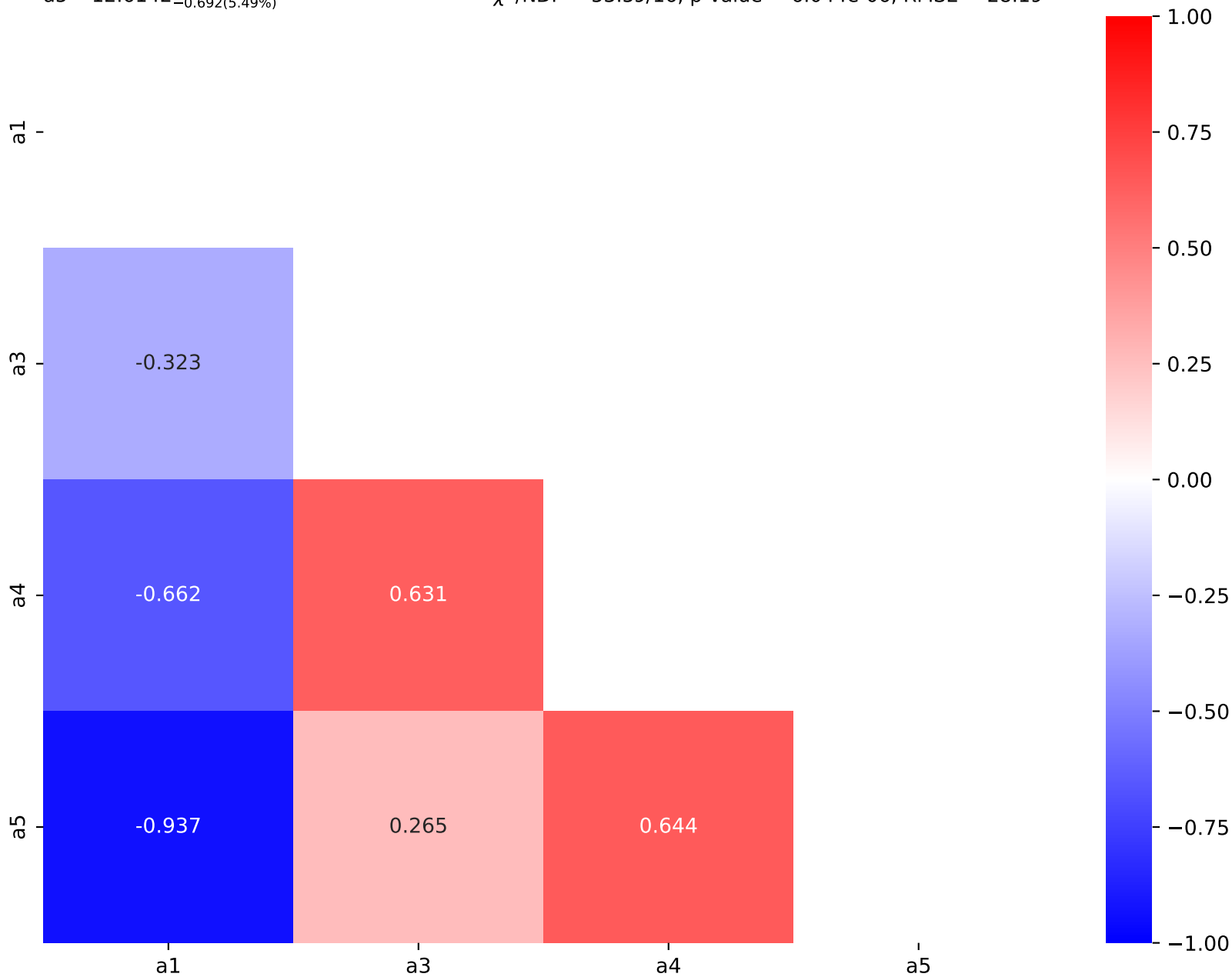
$$164.796 \cdot (a_2 + (a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_4 \cdot \text{gauss}(a_1 + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -2.33615^{+0.119(5.09\%)}_{-0.119(5.09\%)}, \quad a_2 = 0.061,$$

$$a_3 = 2.52136^{+0.0706(2.8\%)}_{-0.0706(2.8\%)}, \quad a_4 = 5.11425^{+0.292(5.71\%)}_{-0.292(5.71\%)},$$

$$a_5 = 12.6142^{+0.692(5.49\%)}_{-0.692(5.49\%)}$$

$$\chi^2/\text{NDF} = 53.59/16, \quad \text{p-value} = 6.044\text{e-}06, \quad \text{RMSE} = 28.19$$

Candidate #17

Candidate function #16

$$164.796 \cdot (a_2 + (a_3 + a_5 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526))) \cdot \tanh(a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

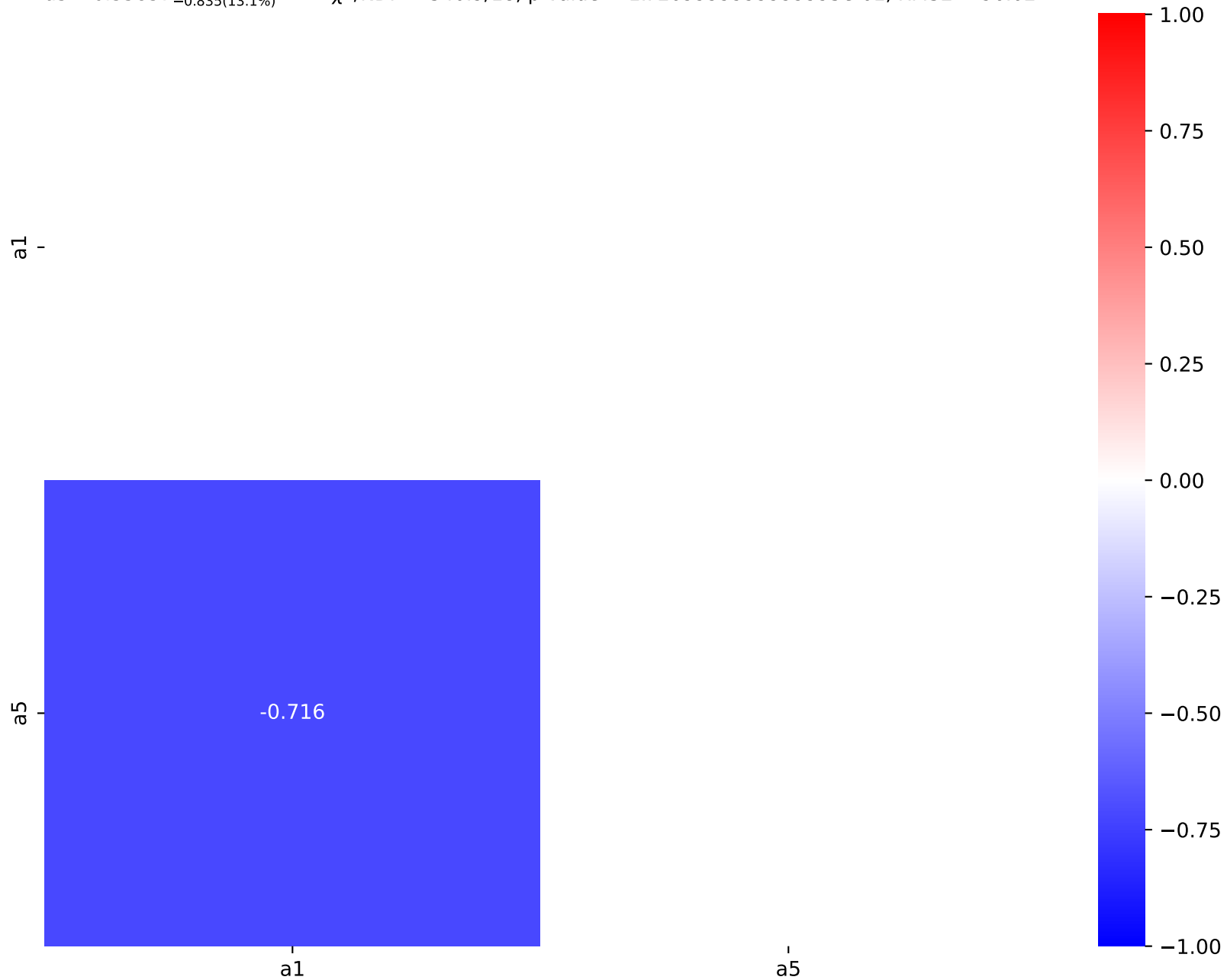
$$a_1 = -3.30753^{+0.231(6.98\%)}_{-0.231(6.98\%)}, \quad a_2 = 0.00849,$$

$$a_3 = 0.24428, \quad a_4 = 3.94,$$

$$a_5 = 6.35837^{+0.835(13.1\%)}_{-0.835(13.1\%)}$$

$$\chi^2/\text{NDF} = 340.9/18, \text{ p-value} = 1.7209999999999995\text{e-}61, \text{ RMSE} = 96.02$$

Candidate #16



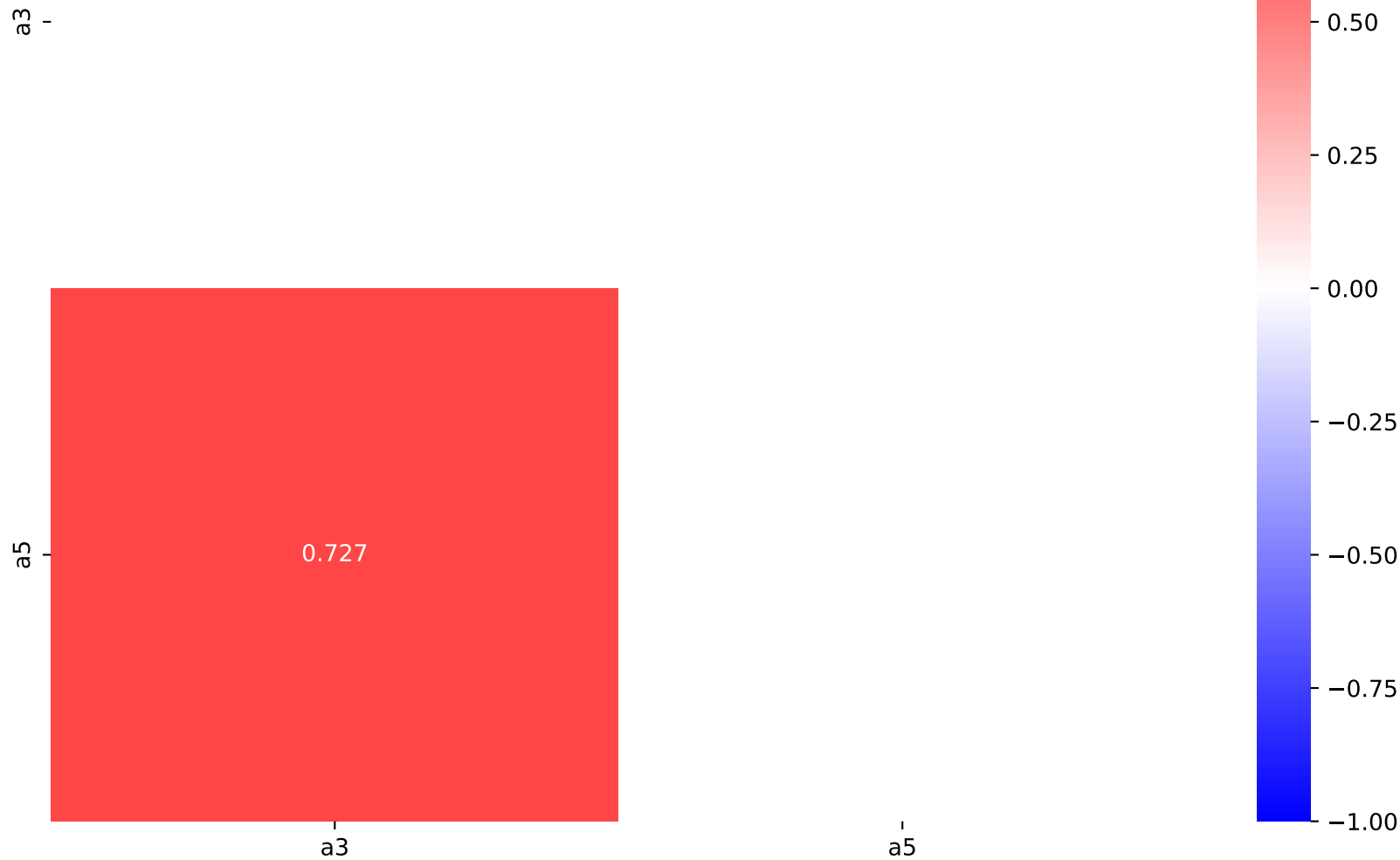
Candidate function #15

$$164.796 \cdot (a_2 + (a_1 + a_5 \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526) \cdot (a_4 + ((x_0 - 12.5) \cdot 0.00210526)))) \cdot \text{gauss}(a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

$a_1 = -0.0733, a_2 = 0.109,$
 $a_3 = 3.31565^{+0.206(6.21\%)}_{-0.206(6.21\%)}, a_4 = 3.95,$
 $a_5 = 6.16661^{+0.787(12.8\%)}_{-0.787(12.8\%)}$

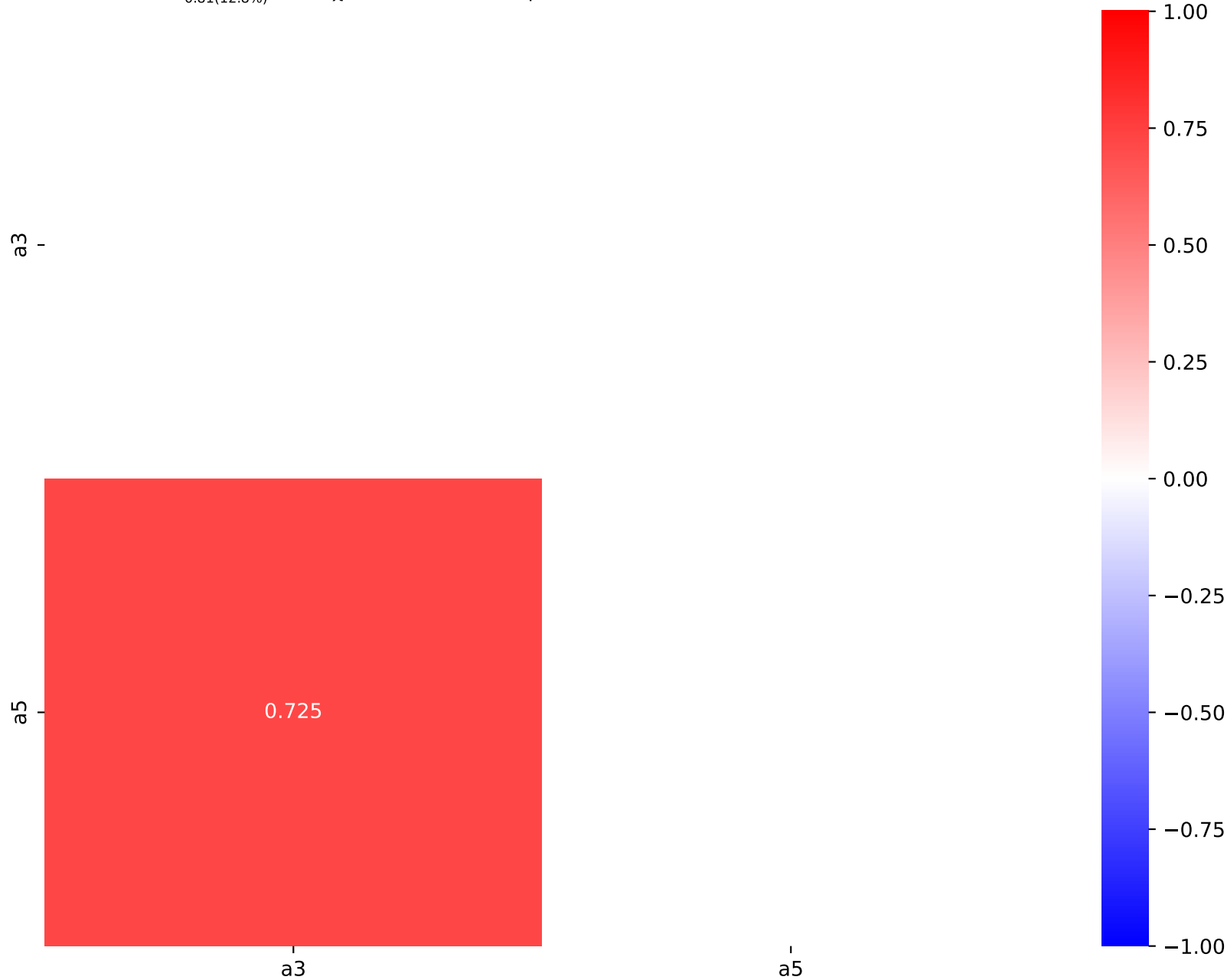
Candidate #15

$\chi^2/\text{NDF} = 349.8/18, \text{p-value} = 2.558\text{e-}63, \text{RMSE} = 96.61$



Candidate function #14

a1 = - 0.0732, a2 = 0.109,
a3 = 3.31086^{+0.206(6.22%)}_{-0.206(6.22%)}, a4 = 3.95,
a5 = 6.30765^{+0.81(12.8%)}_{-0.81(12.8%)} **Candidate #14**
 χ^2 /NDF = 355.7/18, p-value = 1.4659999999999999e-64, RMSE = 97.58



Candidate function #13

$$164.796 \cdot (a_2 + (a_1 + a_5 \cdot \tanh(a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

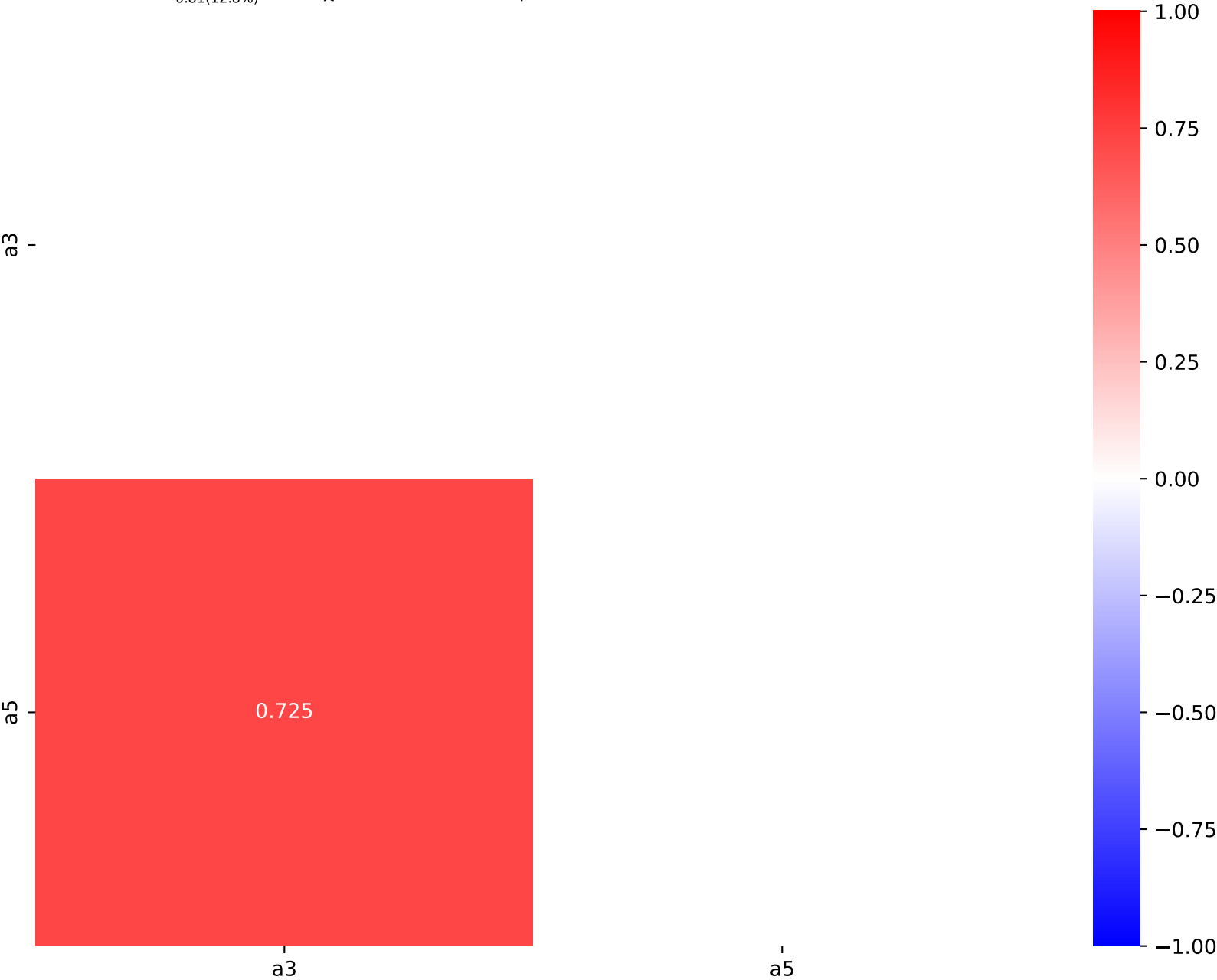
SymbolFit

$a_1 = -0.0733, \quad a_2 = 0.109,$

$a_3 = 3.3109^{+0.206(6.22\%)}_{-0.206(6.22\%)}, \quad a_4 = 3.95,$

$a_5 = 6.30795^{+0.81(12.8\%)}_{-0.81(12.8\%)}$ $\chi^2/\text{NDF} = 355.7/18, \text{ p-value} = 1.4669999999999998\text{e-}64, \text{ RMSE} = 97.58$

Candidate #13



Candidate function #12

$$164.796 \cdot (a_2 + a_4 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

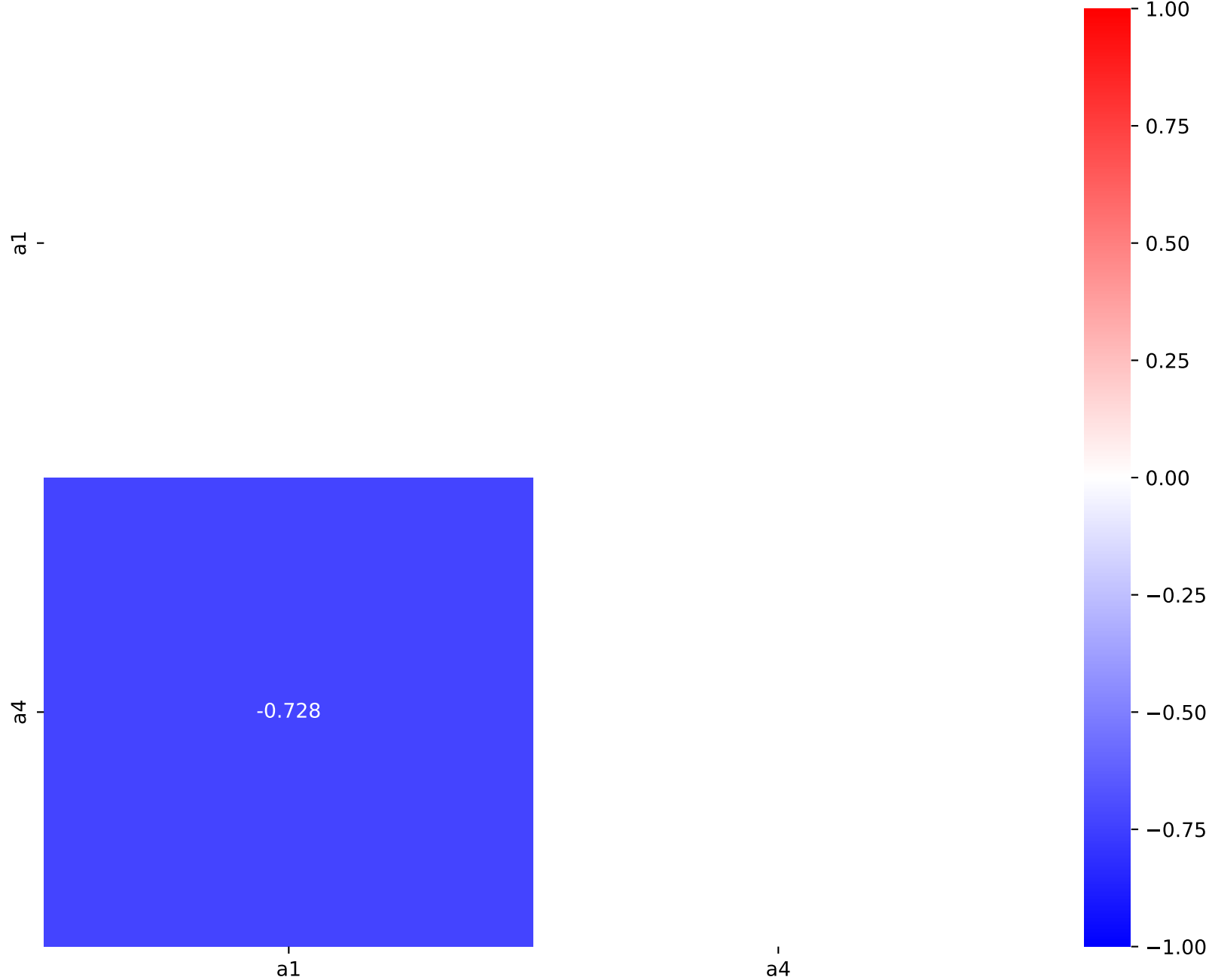
SymbolFit

$$a_1 = -3.24156^{+0.206(6.35\%)}_{-0.206(6.35\%)}, \quad a_2 = 0.0937,$$

$$a_3 = 4.07, \quad a_4 = 5.92693^{+0.787(13.3\%)}_{-0.787(13.3\%)}$$

Candidate #12

$$\chi^2/\text{NDF} = 367.6/18, \text{ p-value} = 5.172999999999994\text{e-}67, \text{ RMSE} = 99.19$$



Candidate function #11

164.796*(a2 + a4*gauss(a1*((x0 - 12.5) * 0.00210526))*tanh(a3*((x0 - 12.5) * 0.00210526)))

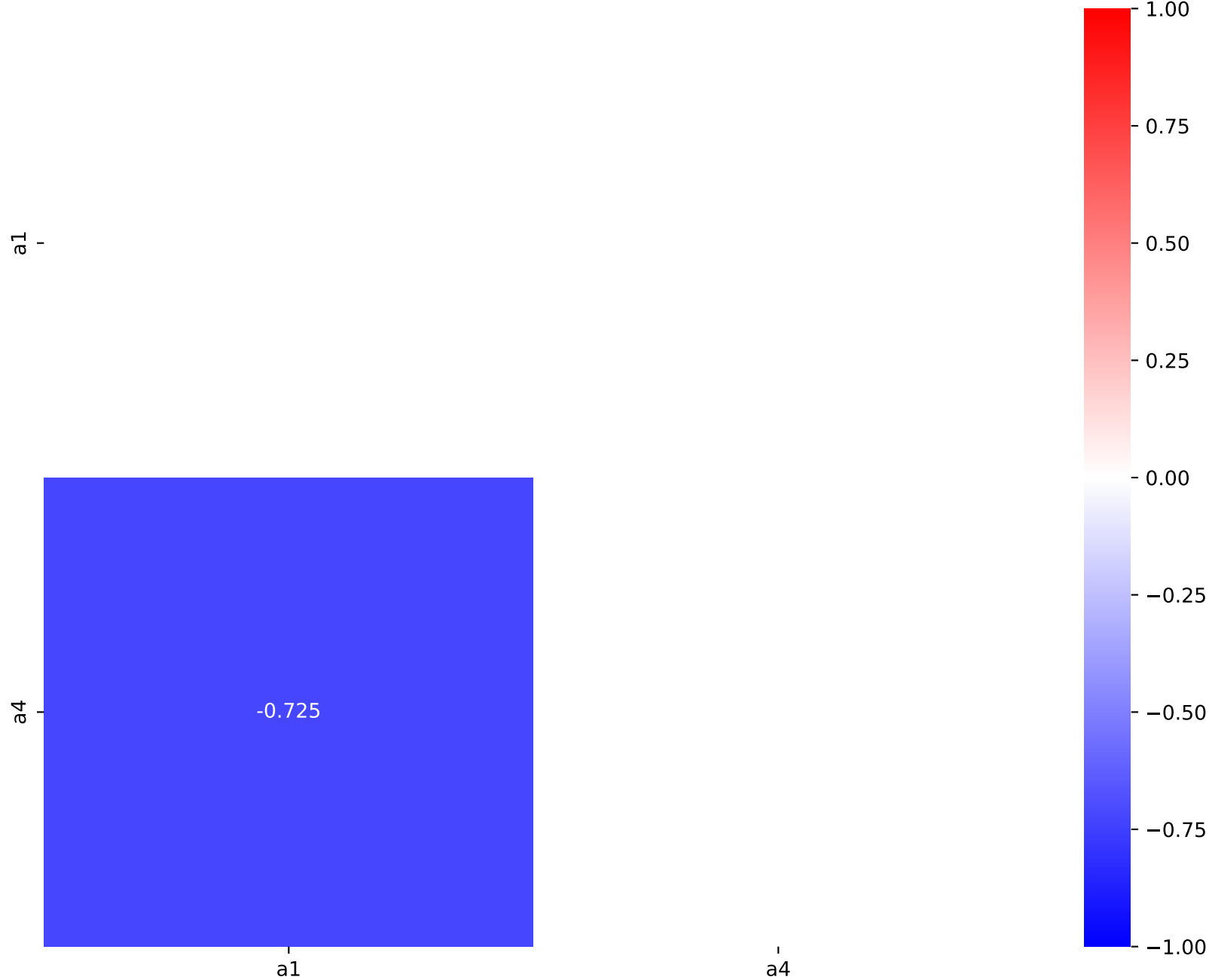
SymbolFit

a1 = -3.24208^{+0.207(6.38%)}_{-0.207(6.38%)}, a2 = 0.094,

a3 = 4.07, a4 = 5.92706^{+0.787(13.3%)}_{-0.787(13.3%)}

Candidate #11

$\chi^2/\text{NDF} = 367.6/18$, p-value = 5.163e-67, RMSE = 99.19



Candidate function #10

$$164.796 \cdot (a_2 + a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526))$$

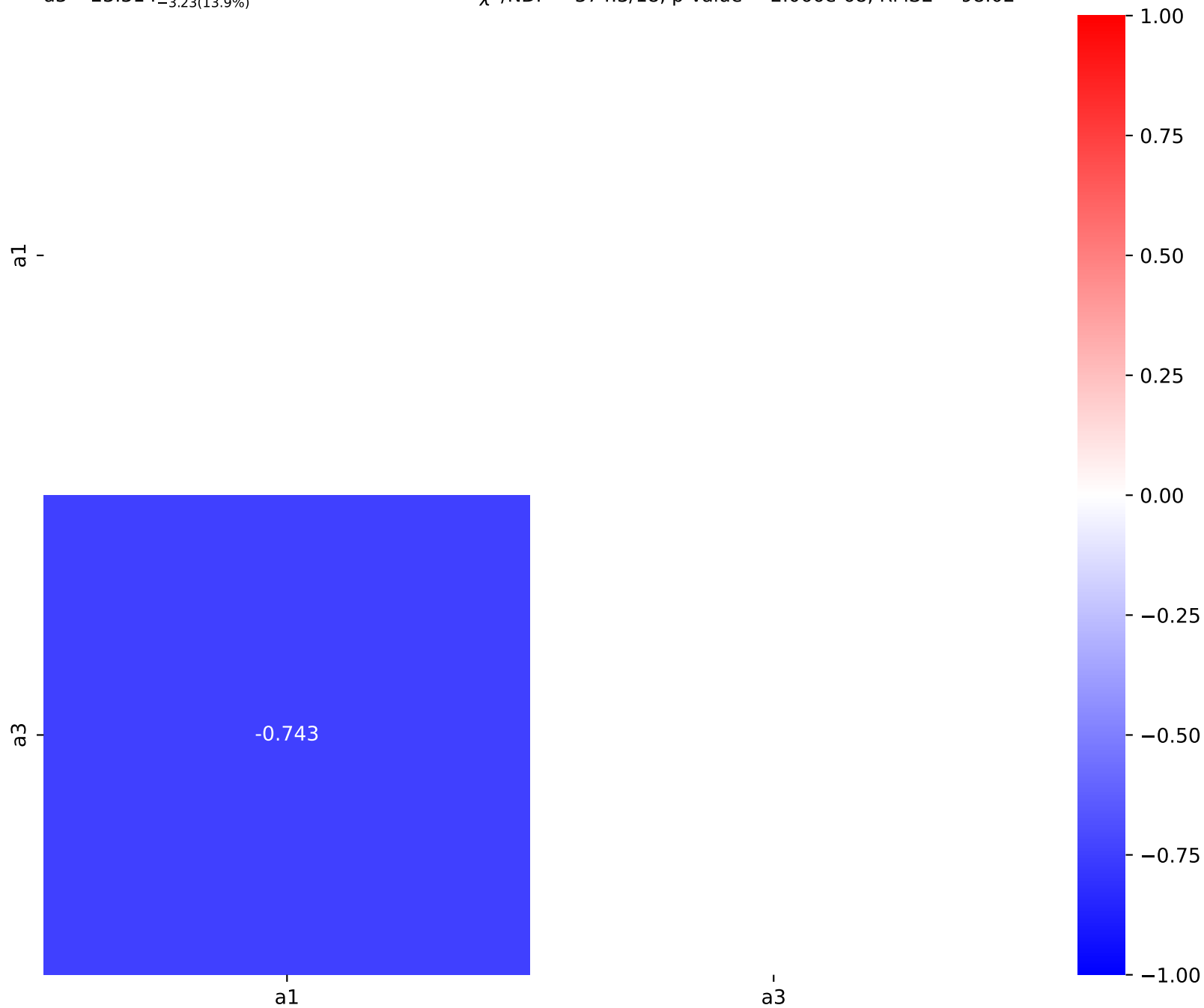
SymbolFit

$$a_1 = -3.74293^{+0.201(5.37\%)}_{-0.201(5.37\%)}, \quad a_2 = 0.101,$$

$$a_3 = 23.314^{+3.23(13.9\%)}_{-3.23(13.9\%)}$$

Candidate #10

$$\chi^2/\text{NDF} = 374.3/18, \text{ p-value} = 2.066\text{e-}68, \text{ RMSE} = 98.02$$



Candidate function #9

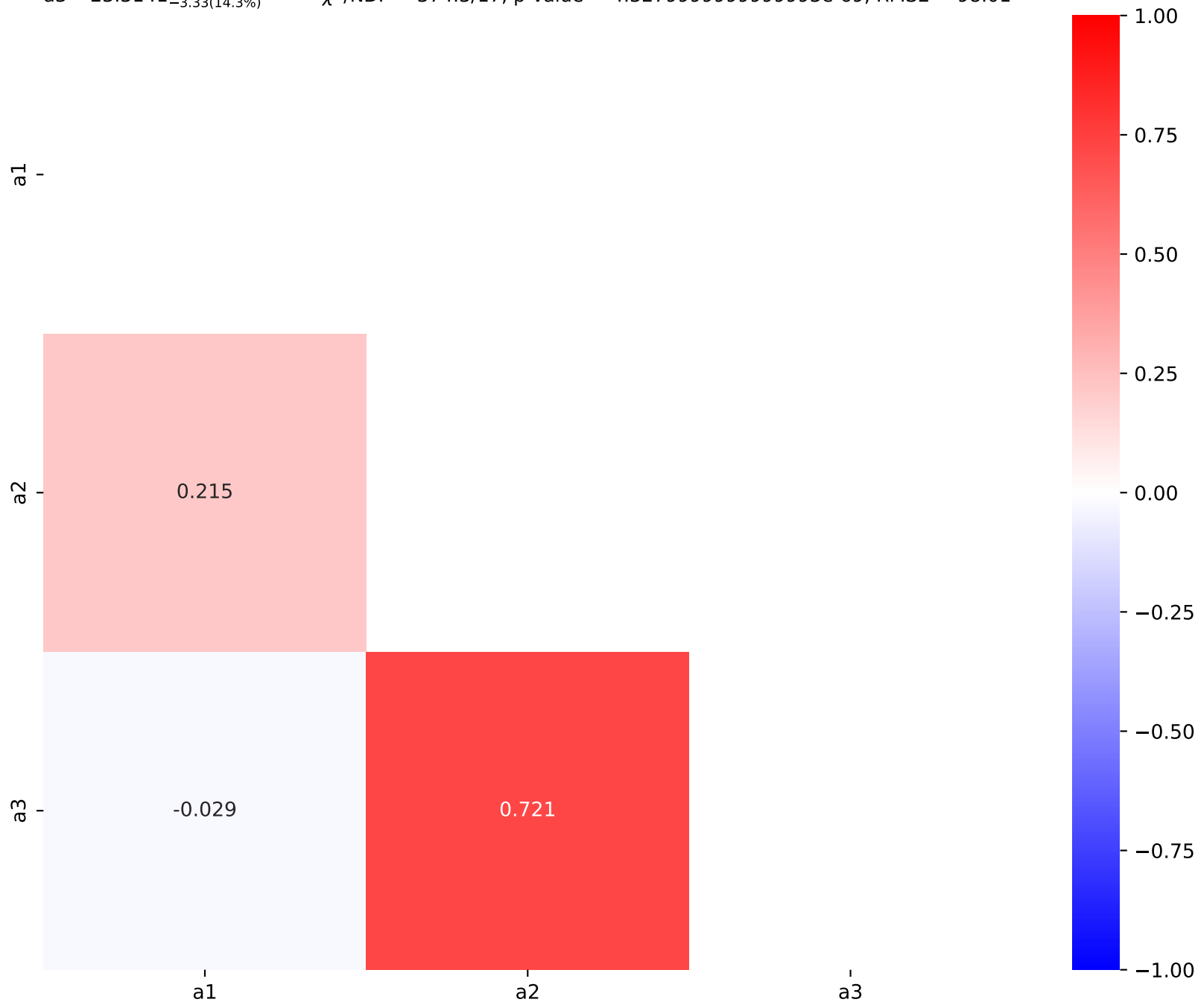
$164.796 \cdot (a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_2 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + \text{gauss}(a_1)$

SymbolFit

$a_1 = -1.51337^{+0.129(8.52\%)}_{-0.129(8.52\%)}, \quad a_2 = 3.74326^{+0.211(5.64\%)}_{-0.211(5.64\%)},$

Candidate #9

$a_3 = 23.3141^{+3.33(14.3\%)}_{-3.33(14.3\%)}, \quad \chi^2/\text{NDF} = 374.3/17, \text{ p-value} = 4.327999999999993\text{e-}69, \text{ RMSE} = 98.01$



Candidate function #8

$$164.796 \cdot (a_1 + a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_2 \cdot ((x_0 - 12.5) \cdot 0.00210526))$$

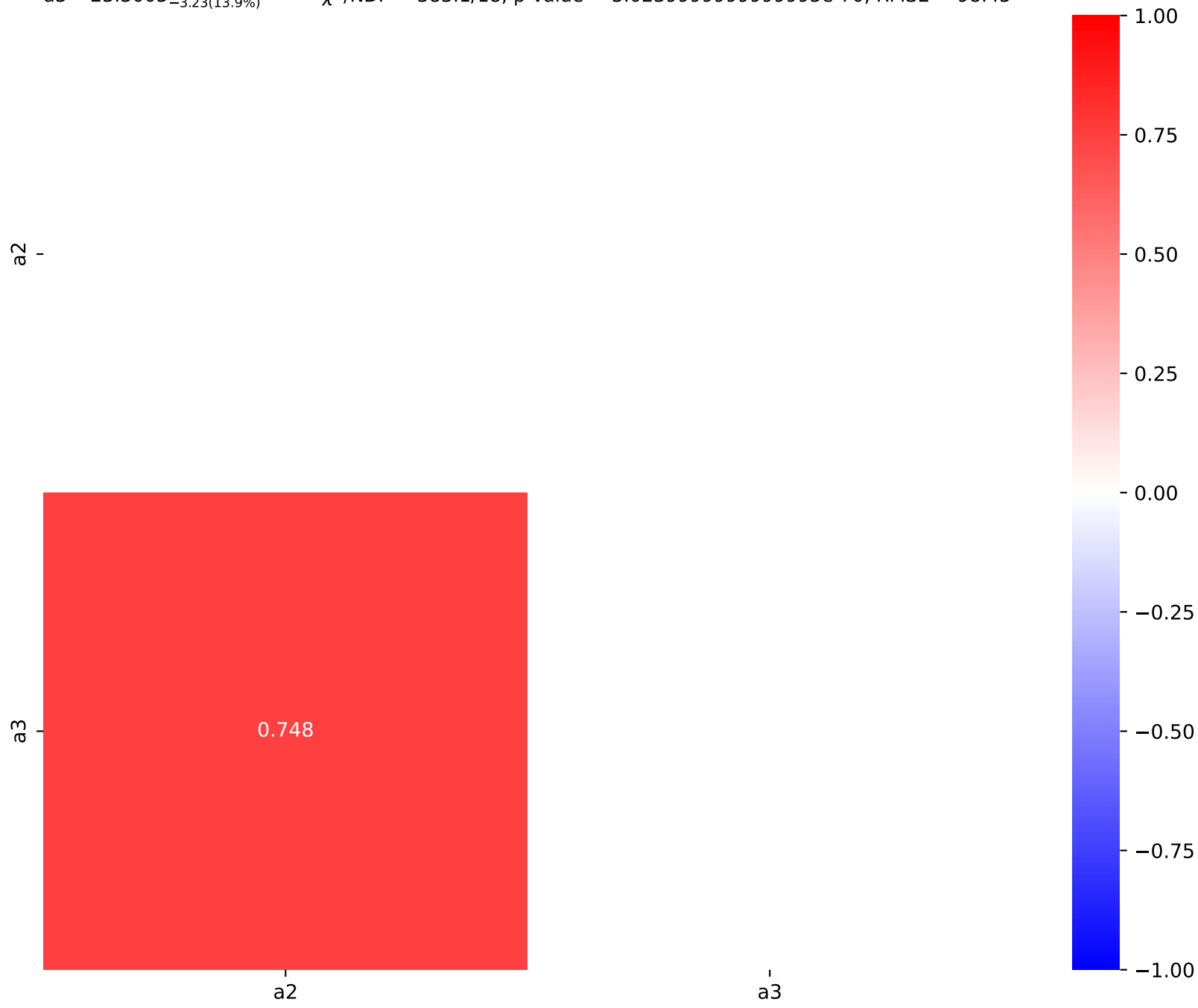
SymbolFit

$$a_1 = 0.0761, \quad a_2 = 3.70861^{+0.197(5.31\%)}_{-0.197(5.31\%)},$$

Candidate #8

$$a_3 = 23.3005^{+3.23(13.9\%)}_{-3.23(13.9\%)}$$

$$\chi^2/\text{NDF} = 383.1/18, \text{ p-value} = 3.0239999999999995\text{e-}70, \text{ RMSE} = 98.45$$



Candidate function #7

$164.796 \cdot (a_2 + \text{gauss}(a_1 + a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$

$a_1 = -1.25, \quad a_2 = 0.0912,$

$a_3 = 4.33713^{+0.599(13.8\%)}_{-0.599(13.8\%)}$

$\chi^2/\text{NDF} = 1395.0/19, \text{ p-value} = 1.339999999999997\text{e-}284, \text{ RMSE} = 198.7$

Candidate #7

SymbolFit



Candidate function #6

$164.796 \cdot (a_2 + \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$

$a_1 = -0.671, a_2 = -0.576492^{+0.0879(15.2\%)}_{-0.0879(15.2\%)}$

$\chi^2/\text{NDF} = 2341.0/19, \text{p-value} = 0.0, \text{RMSE} = 235.9$

Candidate #6

SymbolFit



Candidate function #5

$164.796 \cdot (a_1 \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526)^2))$

$a_1 = 0.255$

$\chi^2/\text{NDF} = 2421.0/20$, p-value = 0.0, RMSE = 248.1

Candidate #5

SymbolFit



Candidate function #4

$164.796 \cdot (a_1 \cdot \text{gauss}((x_0 - 12.5) \cdot 0.00210526))$

$a_1 = 0.272$

Candidate #4
 $\chi^2/\text{NDF} = 2453.0/20$, p-value = 0.0, RMSE = 247.9

SymbolFit



Candidate function #3

$164.796 \cdot (a_1 \cdot \text{gauss}((x_0 - 12.5) \cdot 0.00210526))$

$a_1 = 0.53$

Candidate #3
 $\chi^2/\text{NDF} = 2561.0/20$, p-value = 0.0, RMSE = 228.1

SymbolFit



Candidate function #2

$164.796 \cdot (a_1)$

$a_1 = 0.21$

$\chi^2/\text{NDF} = 2615.0/20$, p-value = 0.0, RMSE = 252.0

Candidate #2

SymbolFit



Candidate function #1

$164.796 \cdot (a_1)$

$a_1 = 0.21$

Candidate #1
 $\chi^2/\text{NDF} = 2615.0/20$, p-value = 0.0, RMSE = 252.0

SymbolFit



Candidate function #0

$164.796 \cdot (a_1)$

$a_1 = 0.145$

Candidate #0
 $\chi^2/\text{NDF} = 2676.0/20$, p-value = 0.0, RMSE = 257.7

SymbolFit

