

Candidate function #43

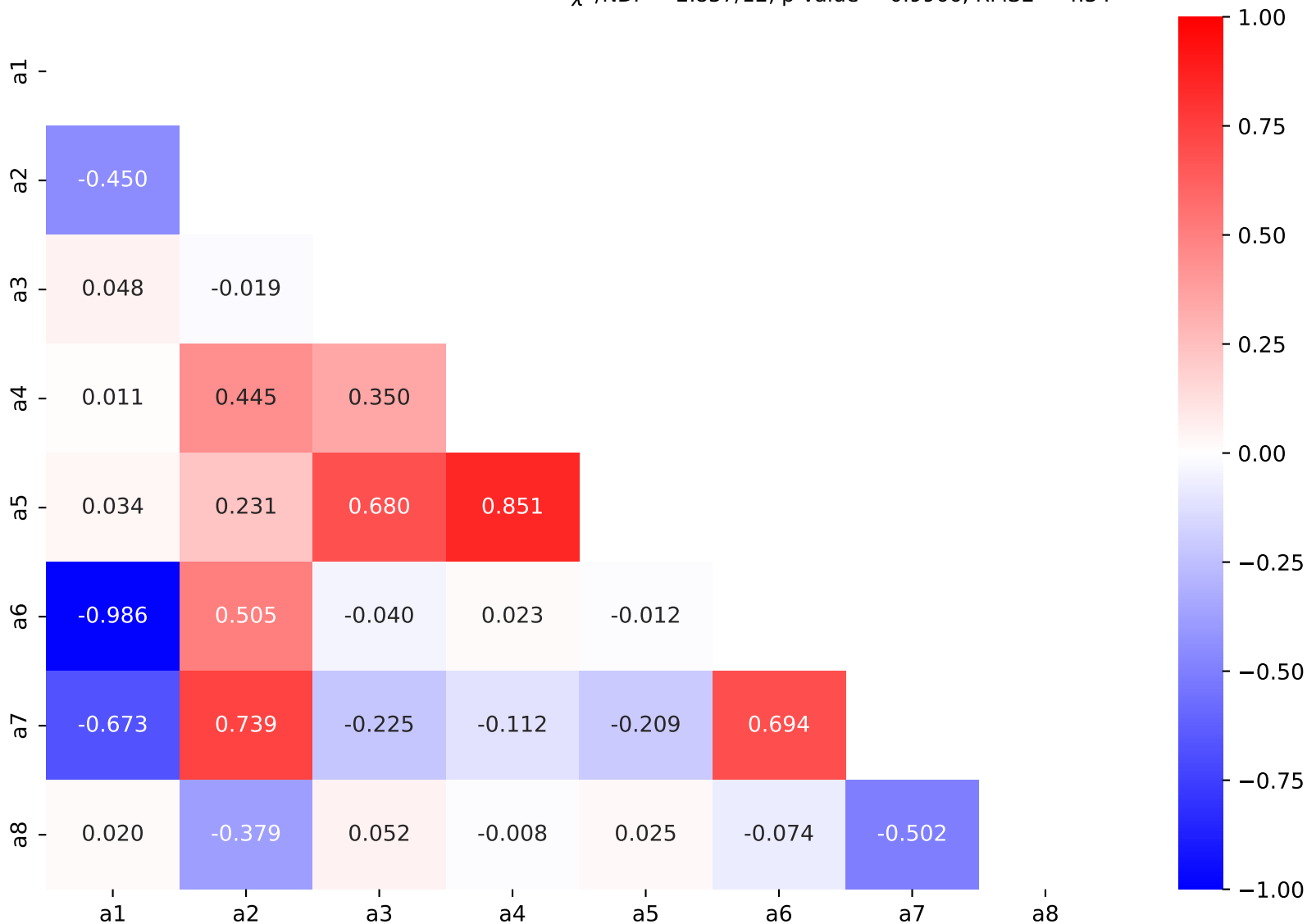
$$164.796 * (a_3 + ((x_0 - 12.5) * 0.00210526) * (a_8 + 2 * ((x_0 - 12.5) * 0.00210526) + \text{gauss}(((x_0 - 12.5) * 0.00210526))) * \text{gauss}(a_1 * ((x_0 - 12.5) * 0.00210526) + a_6) + (a_4 + a_7 * \text{gauss}(a_2 + 4 * ((x_0 - 12.5) * 0.00210526))) + \tanh(((x_0 - 12.5) * 0.00210526))) * \text{gauss}(a_5 * ((x_0 - 12.5) * 0.00210526) ** 2 + ((x_0 - 12.5) * 0.00210526)) * \tanh(((x_0 - 12.5) * 0.00210526)))$$

$$a_1 = -17.7733^{+0.628(3.53\%)}_{-0.628(3.53\%)}, \quad a_2 = -0.307739^{+0.0307(9.98\%)}_{-0.0307(9.98\%)},$$

$$a_3 = 0.0625018^{+0.00668(10.7\%)}_{-0.00668(10.7\%)}, \quad a_4 = 0.886819^{+0.149(16.8\%)}_{-0.149(16.8\%)},$$

$$a_5 = 1.30996^{+0.107(8.17\%)}_{-0.107(8.17\%)}, \quad a_6 = 2.89285^{+0.118(4.08\%)}_{-0.118(4.08\%)},$$

$$a_7 = 11.6623^{+0.654(5.61\%)}_{-0.654(5.61\%)}, \quad a_8 = 18.3245^{+0.6(3.27\%)}_{-0.6(3.27\%)}$$

Candidate #43 $\chi^2/\text{NDF} = 2.837/12$, p-value = 0.9966, RMSE = 4.34

Candidate function #42

$$164.796 \cdot (a_3 + ((x_0 - 12.5) \cdot 0.00210526) \cdot (a_8 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_6) + (a_4 + a_7 \cdot \text{gauss}(a_2 + 4 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + \tanh(((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526)^2 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -17.7747^{+0.628(3.53\%)}_{-0.628(3.53\%)}, \quad a_2 = -0.307739^{+0.0307(9.98\%)}_{-0.0307(9.98\%)},$$

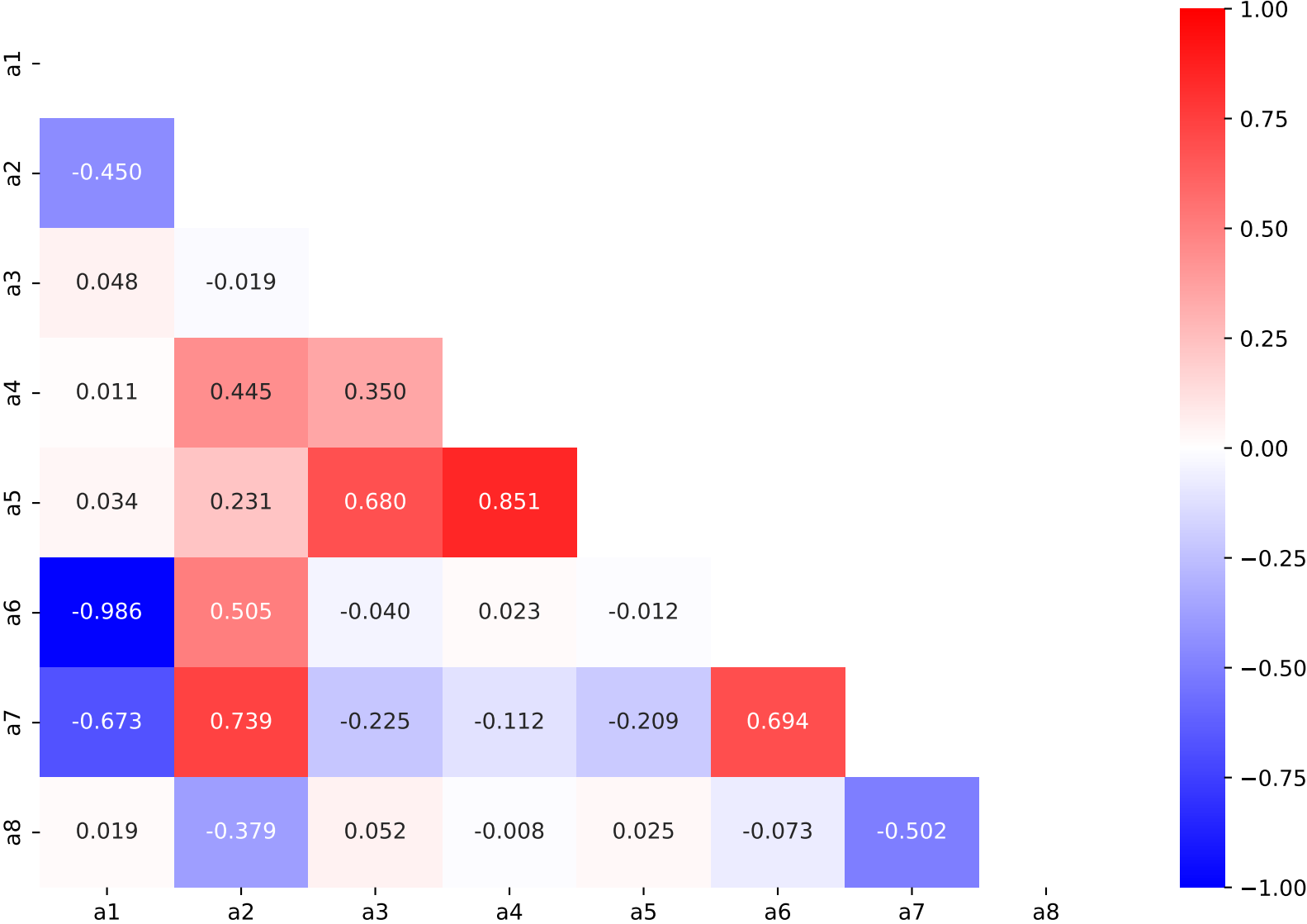
$$a_3 = 0.0625018^{+0.00668(10.7\%)}_{-0.00668(10.7\%)}, \quad a_4 = 0.88682^{+0.149(16.8\%)}_{-0.149(16.8\%)},$$

$$a_5 = 1.30996^{+0.107(8.17\%)}_{-0.107(8.17\%)}, \quad a_6 = 2.89406^{+0.118(4.08\%)}_{-0.118(4.08\%)},$$

$$a_7 = 11.6623^{+0.654(5.61\%)}_{-0.654(5.61\%)}, \quad a_8 = 19.4612^{+0.599(3.08\%)}_{-0.599(3.08\%)}$$

Candidate #42

$$\chi^2/\text{NDF} = 2.837/12, \text{ p-value} = 0.9966, \text{ RMSE} = 4.34$$



Candidate function #41

$164.796 * (a_3 + (a_8 + \text{gauss}(a_2)) * \text{gauss}(a_1 + a_7 * ((x_0 - 12.5) * 0.00210526))) * \tanh(((x_0 - 12.5) * 0.00210526)) + (a_4 + a_6 * \text{gauss}(a_2 + 4 * ((x_0 - 12.5) * 0.00210526))) + ((x_0 - 12.5) * 0.00210526) * \text{gauss}(a_5 * ((x_0 - 12.5) * 0.00210526)^2 + ((x_0 - 12.5) * 0.00210526)) * \tanh(((x_0 - 12.5) * 0.00210526)))$

$a_1 = -2.89841^{+0.119(4.11\%)}_{-0.119(4.11\%)}$, $a_2 = -0.310464^{+0.0309(9.95\%)}_{-0.0309(9.95\%)}$,

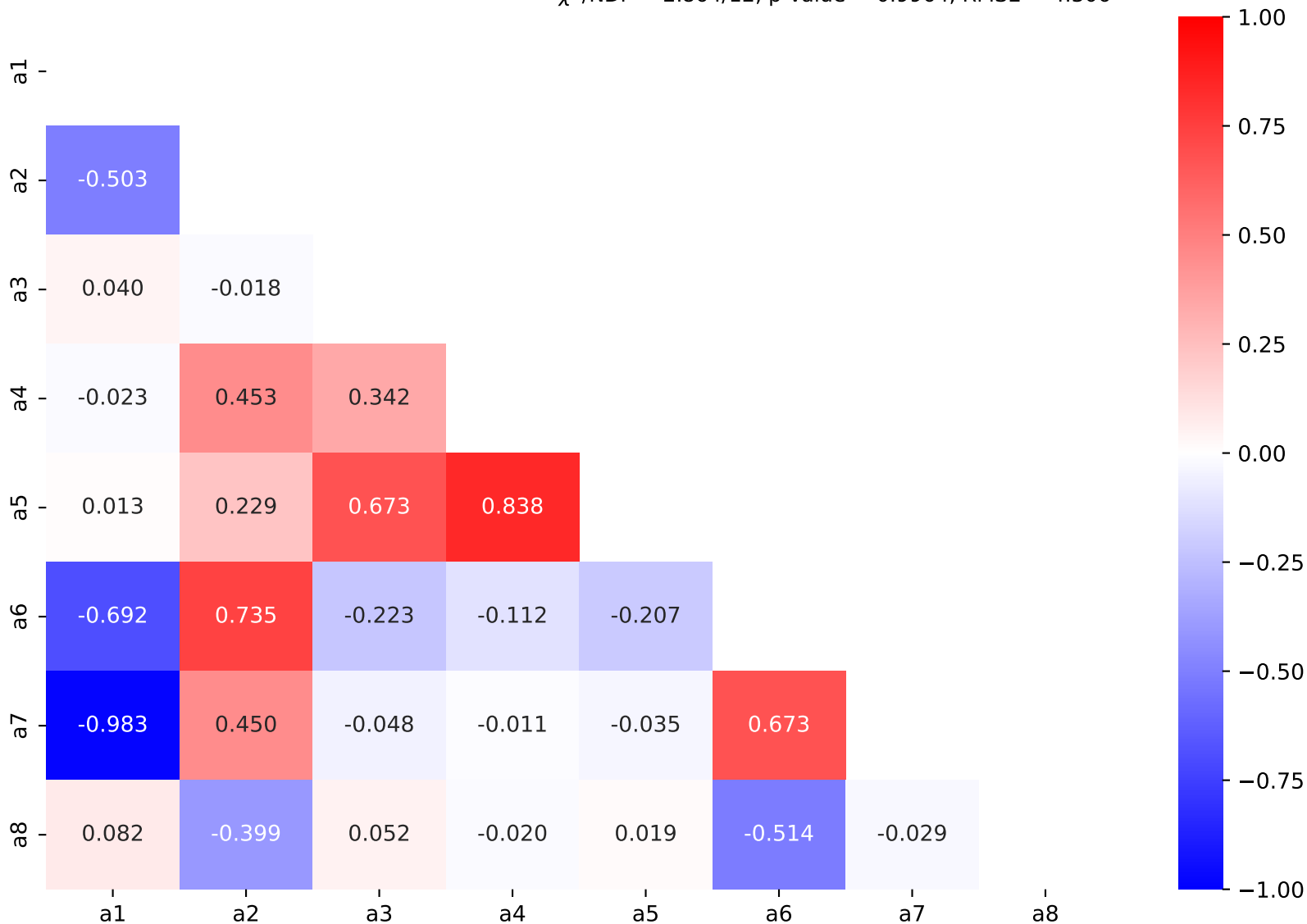
$a_3 = 0.0628771^{+0.00663(10.5\%)}_{-0.00663(10.5\%)}$, $a_4 = 0.872477^{+0.15(17.2\%)}_{-0.15(17.2\%)}$,

$a_5 = 1.34992^{+0.104(7.7\%)}_{-0.104(7.7\%)}$, $a_6 = 11.6705^{+0.656(5.62\%)}_{-0.656(5.62\%)}$,

$a_7 = 17.7758^{+0.632(3.56\%)}_{-0.632(3.56\%)}$, $a_8 = 18.8824^{+0.614(3.25\%)}_{-0.614(3.25\%)}$

Candidate #41

$\chi^2/\text{NDF} = 2.864/12$, p-value = 0.9964, RMSE = 4.306



Candidate function #40

$$164.796*(a3 + a7*((x0 - 12.5) * 0.00210526)*\text{gauss}(a1 + a6*((x0 - 12.5) * 0.00210526)) + ((x0 - 12.5) * 0.00210526)*(a5*\text{gauss}(a2 + 4*((x0 - 12.5) * 0.00210526)) + ((x0 - 12.5) * 0.00210526) + 2*\tanh(((x0 - 12.5) * 0.00210526)))*\text{gauss}(a4*((x0 - 12.5) * 0.00210526)**2 + ((x0 - 12.5) * 0.00210526)))$$

$$a1 = -2.91086^{+0.124(4.26\%)}_{-0.124(4.26\%)}, a2 = -0.301998^{+0.0269(8.91\%)}_{-0.0269(8.91\%)},$$

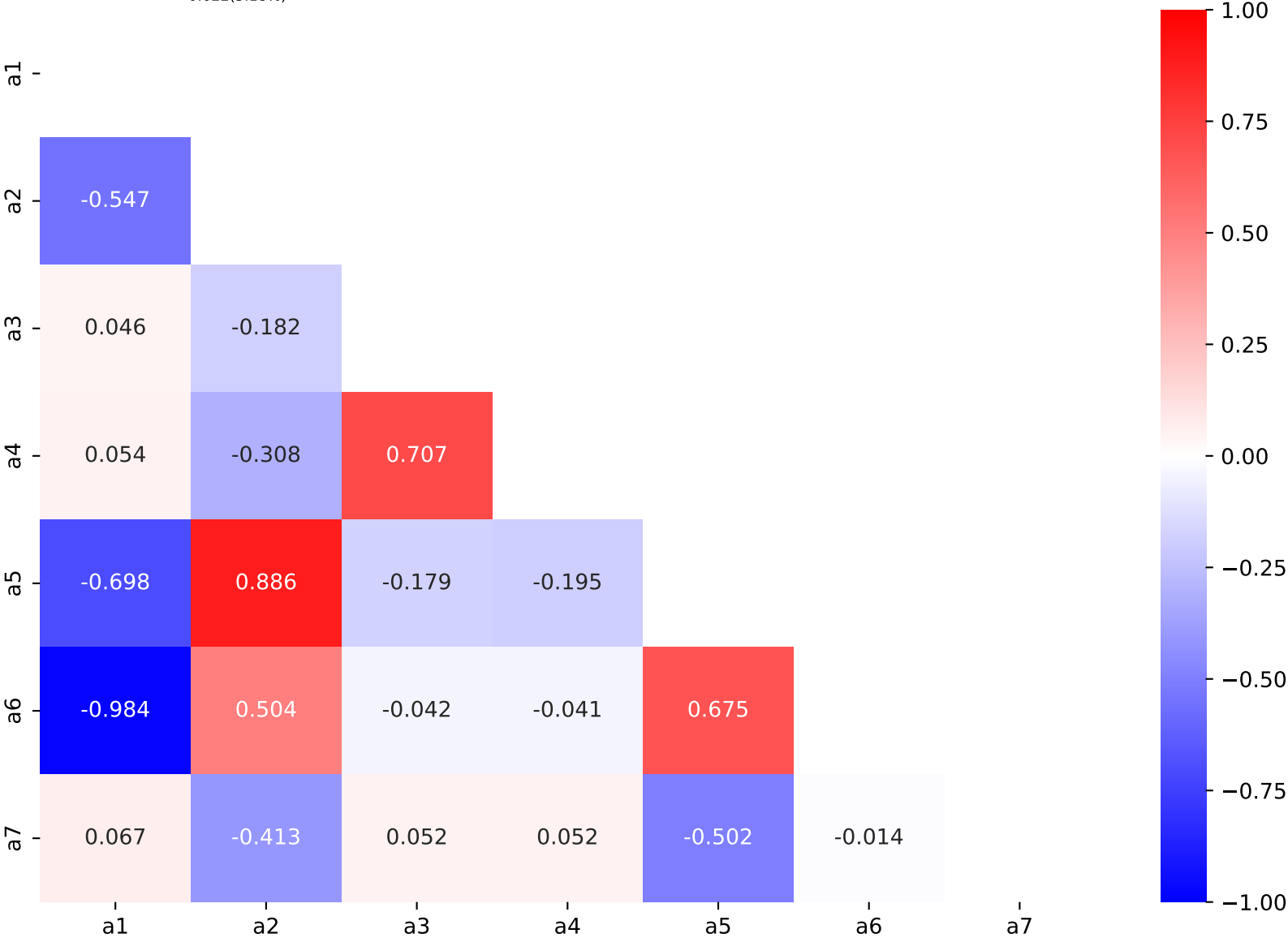
$$a3 = 0.0673338^{+0.00586(8.7\%)}_{-0.00586(8.7\%)}, a4 = 1.61383^{+0.0522(3.23\%)}_{-0.0522(3.23\%)},$$

$$a5 = 12.3694^{+0.673(5.44\%)}_{-0.673(5.44\%)}, a6 = 17.8686^{+0.658(3.68\%)}_{-0.658(3.68\%)},$$

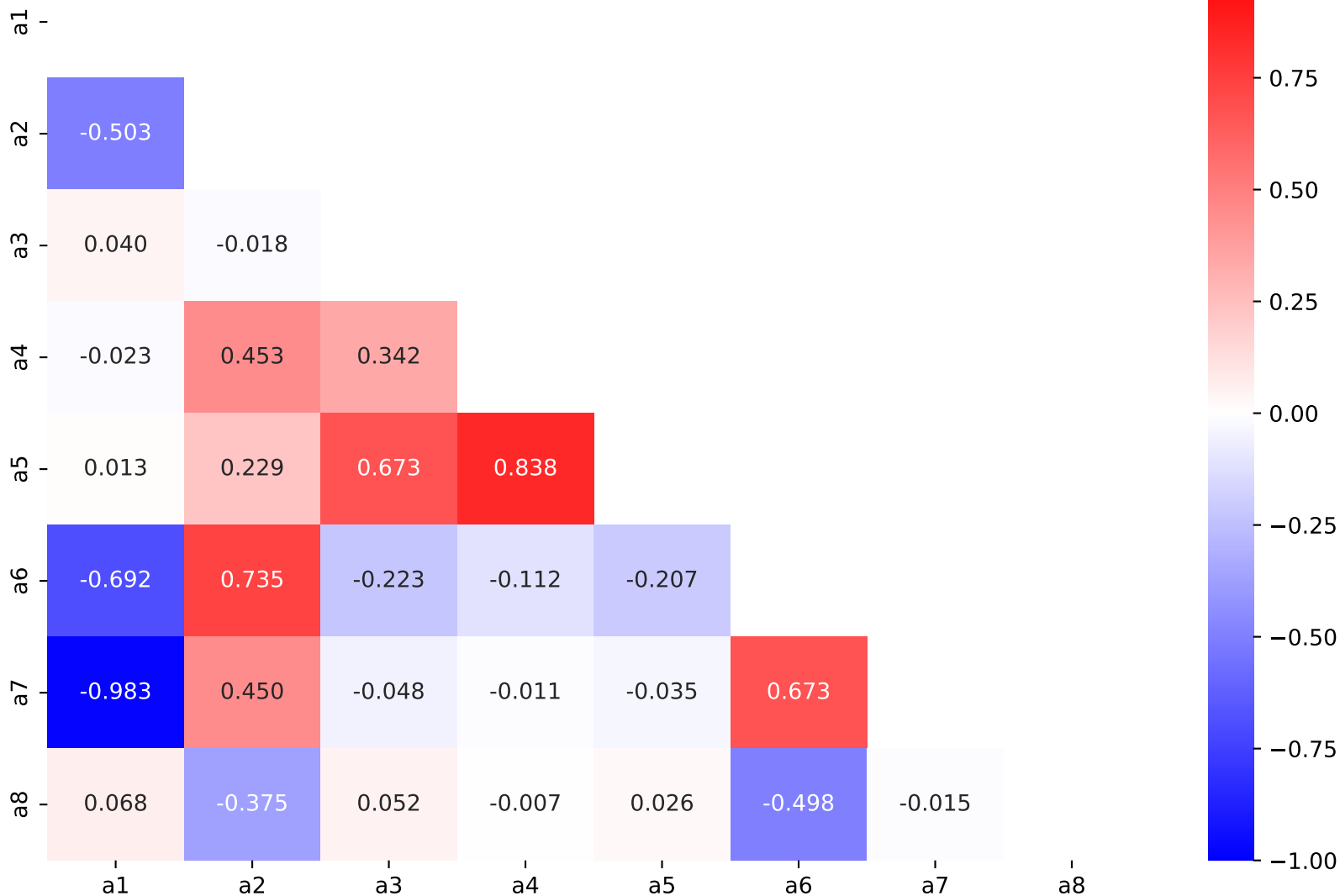
$$a7 = 19.5378^{+0.622(3.18\%)}_{-0.622(3.18\%)}$$

Candidate #40

$$\chi^2/\text{NDF} = 3.312/13, \text{p-value} = 0.9966, \text{RMSE} = 4.134$$



Candidate function #39

$$164.796 * (a_3 + (a_8 + \text{gauss}((x_0 - 12.5) * 0.00210526))) * \text{gauss}(a_1 + a_7 * ((x_0 - 12.5) * 0.00210526)) * \tanh(((x_0 - 12.5) * 0.00210526)) + (a_4 + a_6 * \text{gauss}(a_2 + 4 * ((x_0 - 12.5) * 0.00210526)) + ((x_0 - 12.5) * 0.00210526)) * \text{gauss}(a_5 * ((x_0 - 12.5) * 0.00210526) ** 2 + ((x_0 - 12.5) * 0.00210526)) * \tanh(((x_0 - 12.5) * 0.00210526)))$$
$$a_1 = -2.89864^{+0.119(4.11\%)}_{-0.119(4.11\%)}, a_2 = -0.310463^{+0.0309(9.95\%)}_{-0.0309(9.95\%)},$$
$$a_3 = 0.0628771^{+0.00663(10.5\%)}_{-0.00663(10.5\%)}, a_4 = 0.872479^{+0.15(17.2\%)}_{-0.15(17.2\%)},$$
$$a_5 = 1.34992^{+0.104(7.7\%)}_{-0.104(7.7\%)}, a_6 = 11.6705^{+0.656(5.62\%)}_{-0.656(5.62\%)},$$
$$a_7 = 17.7745^{+0.632(3.56\%)}_{-0.632(3.56\%)}, a_8 = 18.8168^{+0.607(3.23\%)}_{-0.607(3.23\%)}$$
Candidate #39 $\chi^2/\text{NDF} = 2.864/12$, p-value = 0.9964, RMSE = 4.306

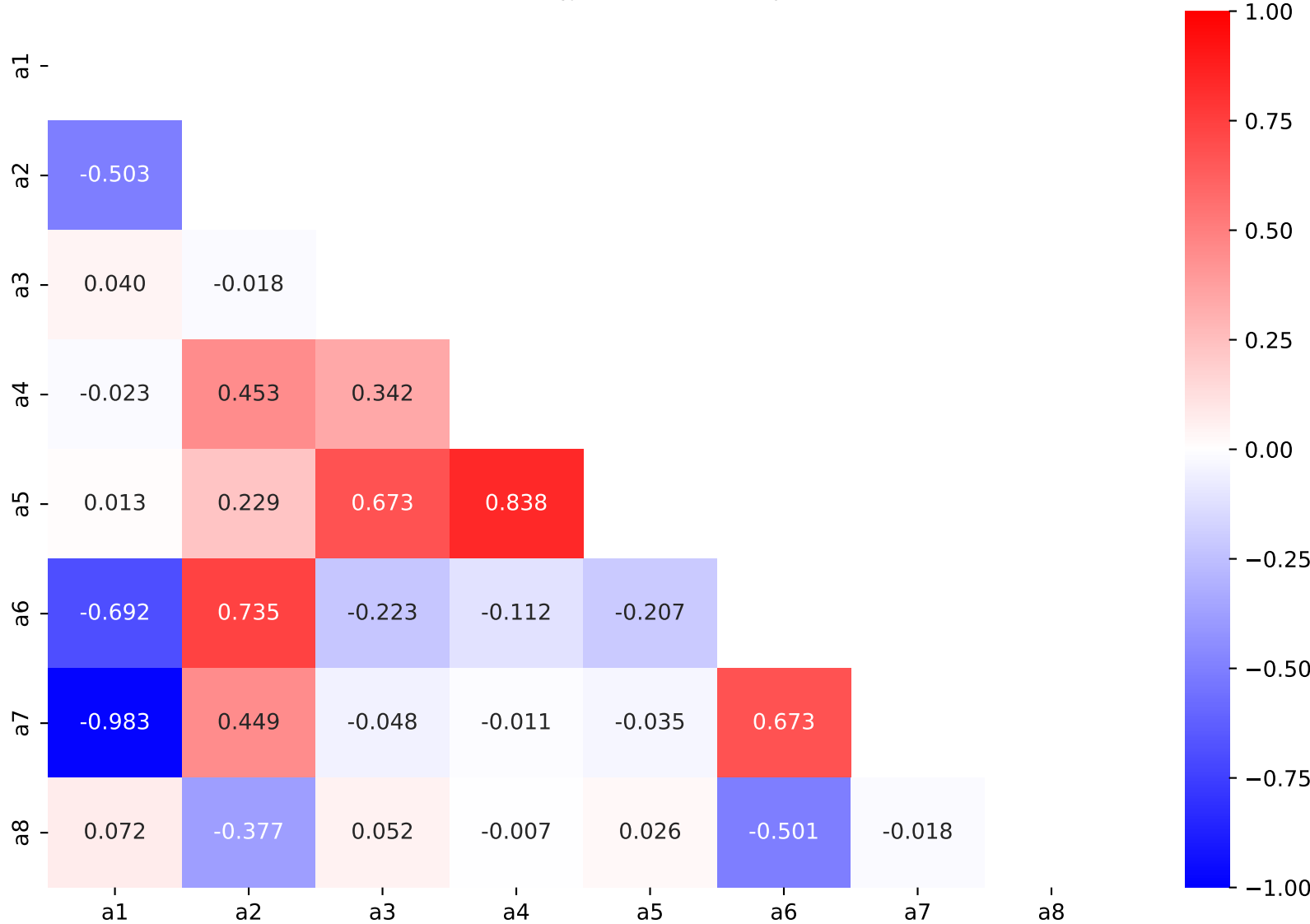
Candidate function #38

$$164.796 \cdot (a_3 + ((x_0 - 12.5) \cdot 0.00210526) \cdot (a_8 + \text{gauss}(((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(a_1 + a_7 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + (a_4 + a_6 \cdot \text{gauss}(a_2 + 4 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526)^2 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)))$$

$a_1 = -2.8971^{+0.119(4.11\%)}_{-0.119(4.11\%)}$, $a_2 = -0.310465^{+0.0309(9.95\%)}_{-0.0309(9.95\%)}$,
 $a_3 = 0.062877^{+0.00663(10.5\%)}_{-0.00663(10.5\%)}$, $a_4 = 0.872472^{+0.15(17.2\%)}_{-0.15(17.2\%)}$,
 $a_5 = 1.34992^{+0.104(7.7\%)}_{-0.104(7.7\%)}$, $a_6 = 11.6705^{+0.656(5.62\%)}_{-0.656(5.62\%)}$,
 $a_7 = 17.7835^{+0.632(3.55\%)}_{-0.632(3.55\%)}$, $a_8 = 18.6433^{+0.602(3.23\%)}_{-0.602(3.23\%)}$

Candidate #38

$\chi^2/\text{NDF} = 2.864/12$, p-value = 0.9964, RMSE = 4.306



Candidate function #37

$$164.796*(a3 + a7*((x0 - 12.5) * 0.00210526)*\text{gauss}(a1 + a6*((x0 - 12.5) * 0.00210526)) + ((x0 - 12.5) * 0.00210526)*(a5*\text{gauss}(a2 + 4*((x0 - 12.5) * 0.00210526)) + 2*((x0 - 12.5) * 0.00210526) + \tanh(((x0 - 12.5) * 0.00210526)))*\text{gauss}(a4*((x0 - 12.5) * 0.00210526)**2 + ((x0 - 12.5) * 0.00210526)))$$

$$a1 = -2.91196^{+0.125(4.29\%)}_{-0.125(4.29\%)}, a2 = -0.302525^{+0.0273(9.02\%)}_{-0.0273(9.02\%)},$$

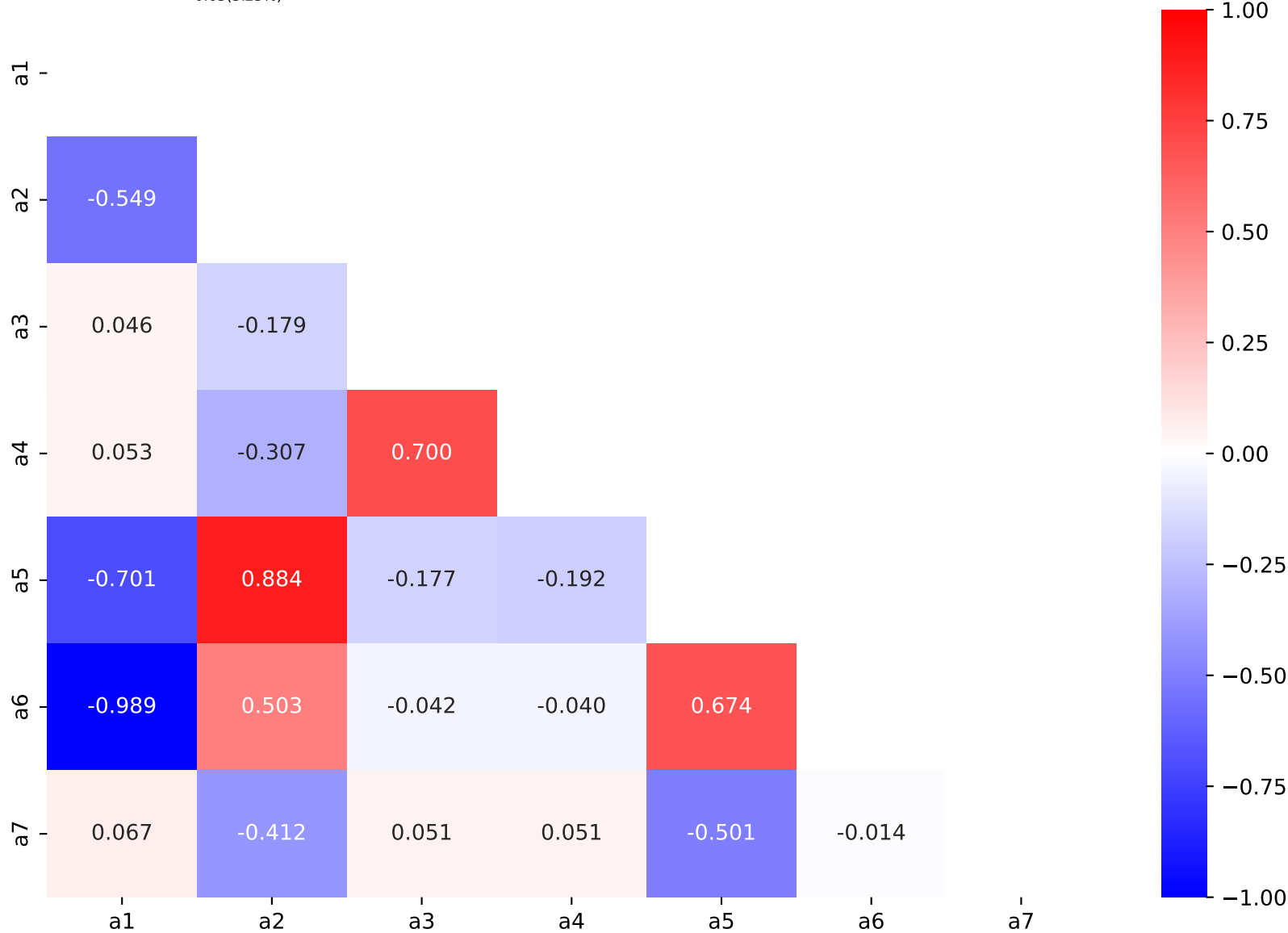
$$a3 = 0.0678991^{+0.00587(8.65\%)}_{-0.00587(8.65\%)}, a4 = 1.6513^{+0.0522(3.16\%)}_{-0.0522(3.16\%)},$$

$$a5 = 12.3724^{+0.682(5.51\%)}_{-0.682(5.51\%)}, a6 = 17.874^{+0.667(3.73\%)}_{-0.667(3.73\%)},$$

$$a7 = 19.5316^{+0.63(3.23\%)}_{-0.63(3.23\%)}$$

Candidate #37

$$\chi^2/\text{NDF} = 3.395/13, \text{p-value} = 0.9961, \text{RMSE} = 4.132$$



Candidate function #36

$$164.796 \cdot (a_3 + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}((a_1 + 4 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_2 + 2 \cdot ((x_0 - 12.5) \cdot 0.00210526)))) + (((x_0 - 12.5) \cdot 0.00210526) \cdot (a_4 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + \text{gauss}(((x_0 - 12.5) \cdot 0.00210526))) + \tanh(((x_0 - 12.5) \cdot 0.00210526))) \cdot \text{gauss}(2 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

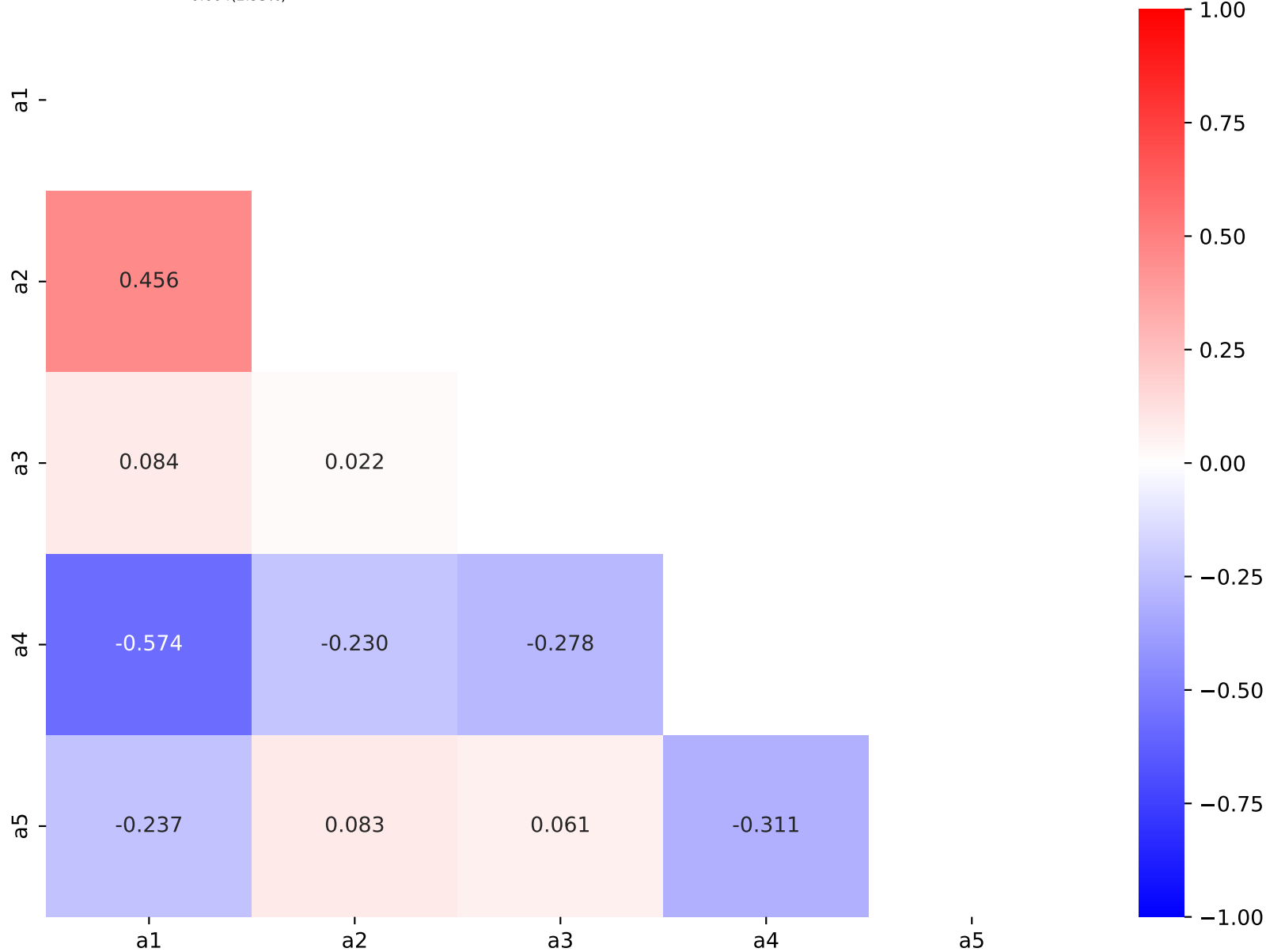
$$a_1 = -9.00491^{+0.257(2.85\%)}_{-0.257(2.85\%)}, \quad a_2 = -0.324444^{+0.0027(0.832\%)}_{-0.0027(0.832\%)},$$

$$a_3 = 0.04774^{+0.00474(9.93\%)}_{-0.00474(9.93\%)}, \quad a_4 = 11.2583^{+0.395(3.51\%)}_{-0.395(3.51\%)},$$

$$a_5 = 20.4687^{+0.604(2.95\%)}_{-0.604(2.95\%)}$$

Candidate #36

$$\chi^2/\text{NDF} = 4.857/15, \text{ p-value} = 0.9933, \text{ RMSE} = 7.139$$



Candidate function #35

$$164.796 \cdot (a_3 + a_6 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_1 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_2 + 2 \cdot ((x_0 - 12.5) \cdot 0.00210526))) + (a_4 + a_5 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526)^2 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)))$$

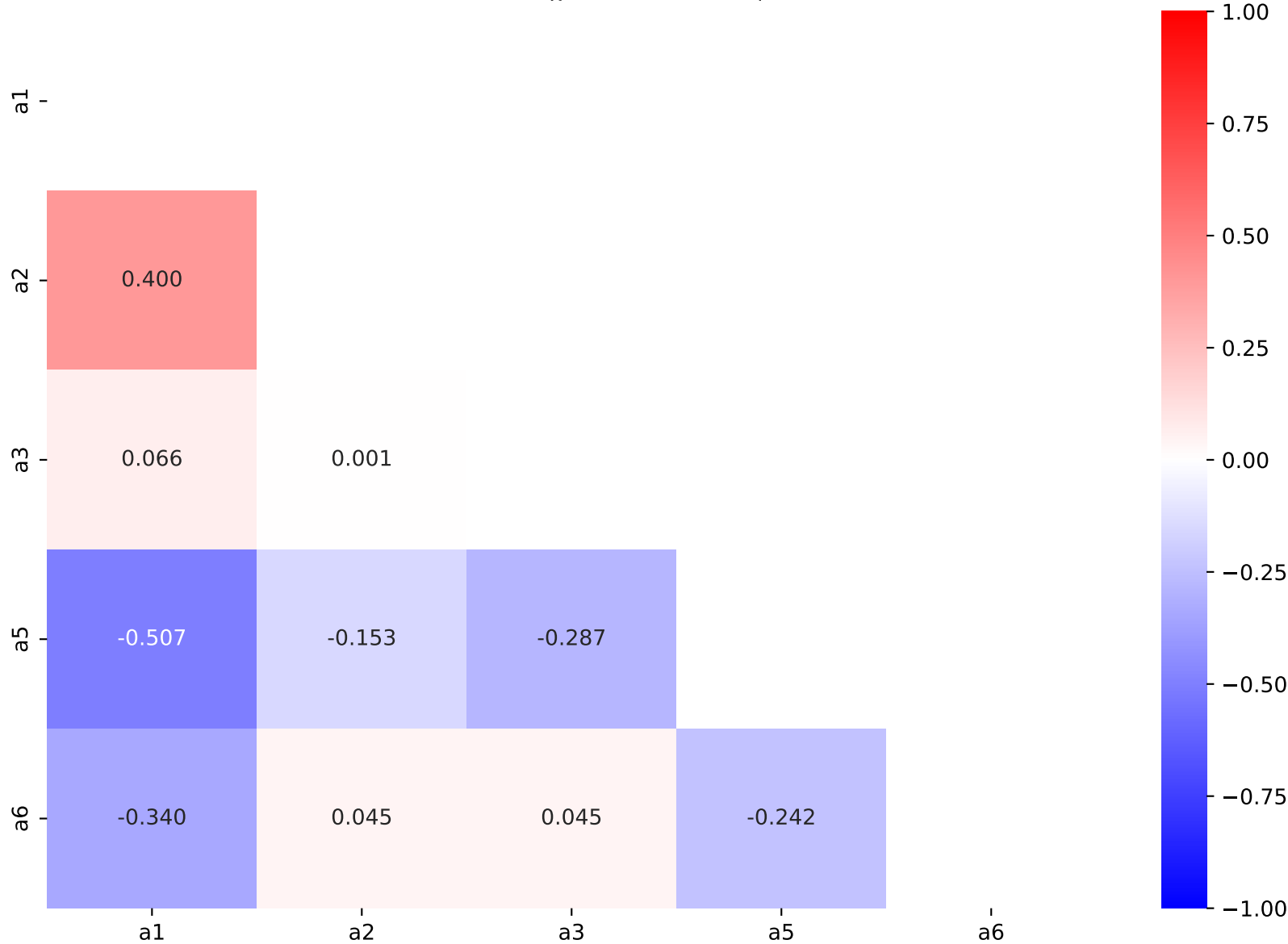
$$a_1 = -8.47983^{+0.256(3.02\%)}_{-0.256(3.02\%)}, \quad a_2 = -0.324912^{+0.00263(0.809\%)}_{-0.00263(0.809\%)},$$

$$a_3 = 0.057044^{+0.0048(8.41\%)}_{-0.0048(8.41\%)}, \quad a_4 = 0.0897,$$

$$a_5 = 12.4047^{+0.314(2.53\%)}_{-0.314(2.53\%)}, \quad a_6 = 20.5866^{+0.605(2.94\%)}_{-0.605(2.94\%)}$$

Candidate #35

$$\chi^2/\text{NDF} = 4.959/15, \text{ p-value} = 0.9925, \text{ RMSE} = 7.483$$



Candidate function #34

$$164.796 \cdot (a_3 + a_6 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_1 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_2 + 2 \cdot ((x_0 - 12.5) \cdot 0.00210526))) + (a_4 + a_5 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526)^2 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)))$$

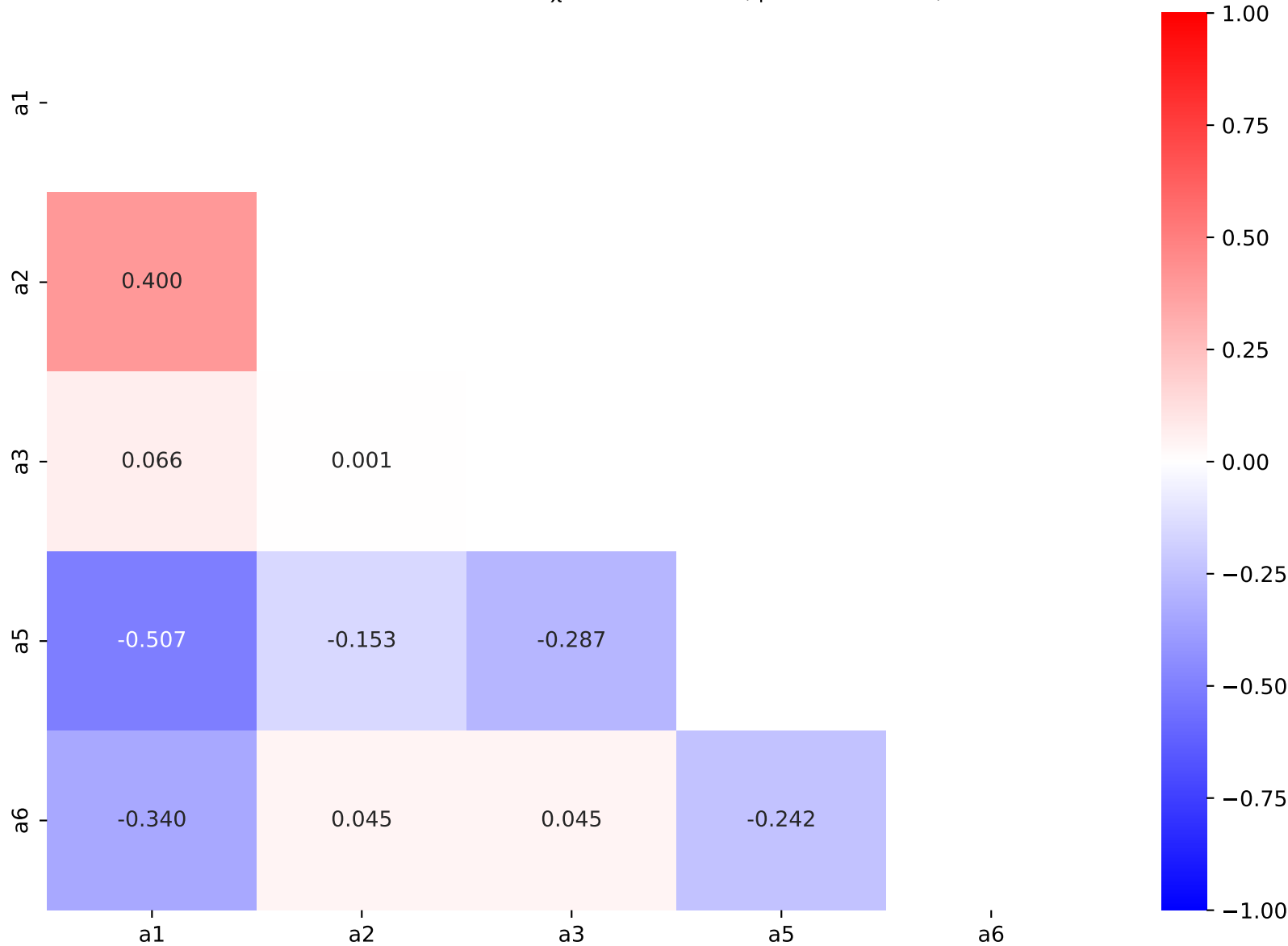
$$a_1 = -8.47959^{+0.256(3.02\%)}_{-0.256(3.02\%)}, \quad a_2 = -0.324911^{+0.00263(0.809\%)}_{-0.00263(0.809\%)},$$

$$a_3 = 0.0570331^{+0.0048(8.42\%)}_{-0.0048(8.42\%)}, \quad a_4 = 0.0899,$$

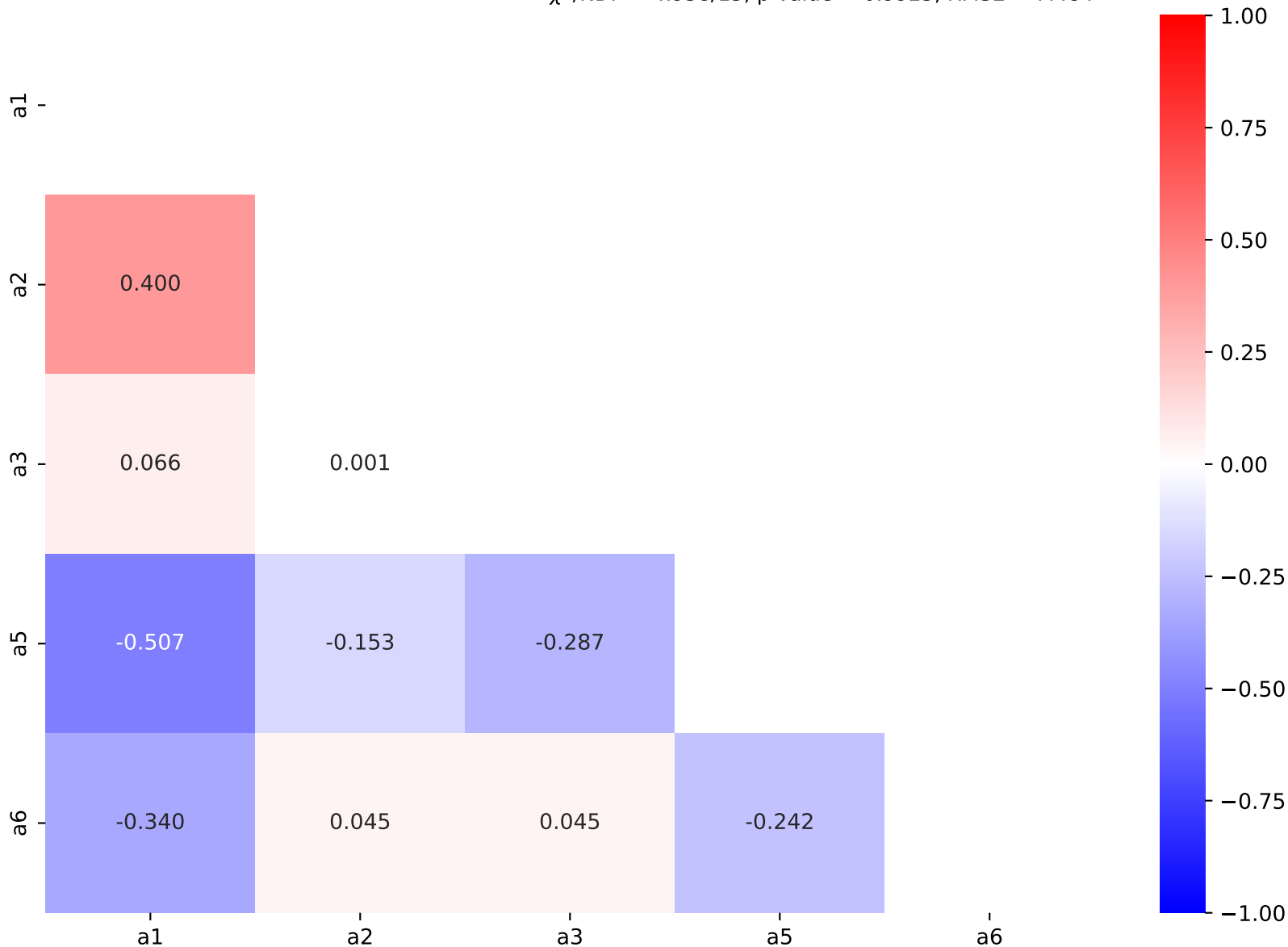
$$a_5 = 12.404^{+0.314(2.53\%)}_{-0.314(2.53\%)}, \quad a_6 = 20.5868^{+0.605(2.94\%)}_{-0.605(2.94\%)}$$

Candidate #34

$$\chi^2/\text{NDF} = 4.958/15, \quad \text{p-value} = 0.9925, \quad \text{RMSE} = 7.484$$



Candidate function #33

$$164.796 \cdot (a_3 + a_6 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(a_1 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_2 + 2 \cdot ((x_0 - 12.5) \cdot 0.00210526))) + (a_4 + a_5 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526)^2 + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)))$$
$$a_1 = -8.47959^{+0.256(3.02\%)}_{-0.256(3.02\%)}, \quad a_2 = -0.324911^{+0.00263(0.809\%)}_{-0.00263(0.809\%)},$$
$$a_3 = 0.0570331^{+0.0048(8.42\%)}_{-0.0048(8.42\%)}, \quad a_4 = 0.0899,$$
$$a_5 = 12.404^{+0.314(2.53\%)}_{-0.314(2.53\%)}, \quad a_6 = 20.5868^{+0.605(2.94\%)}_{-0.605(2.94\%)}$$
Candidate #33 $\chi^2/\text{NDF} = 4.958/15, \text{ p-value} = 0.9925, \text{ RMSE} = 7.484$ 

Candidate function #32

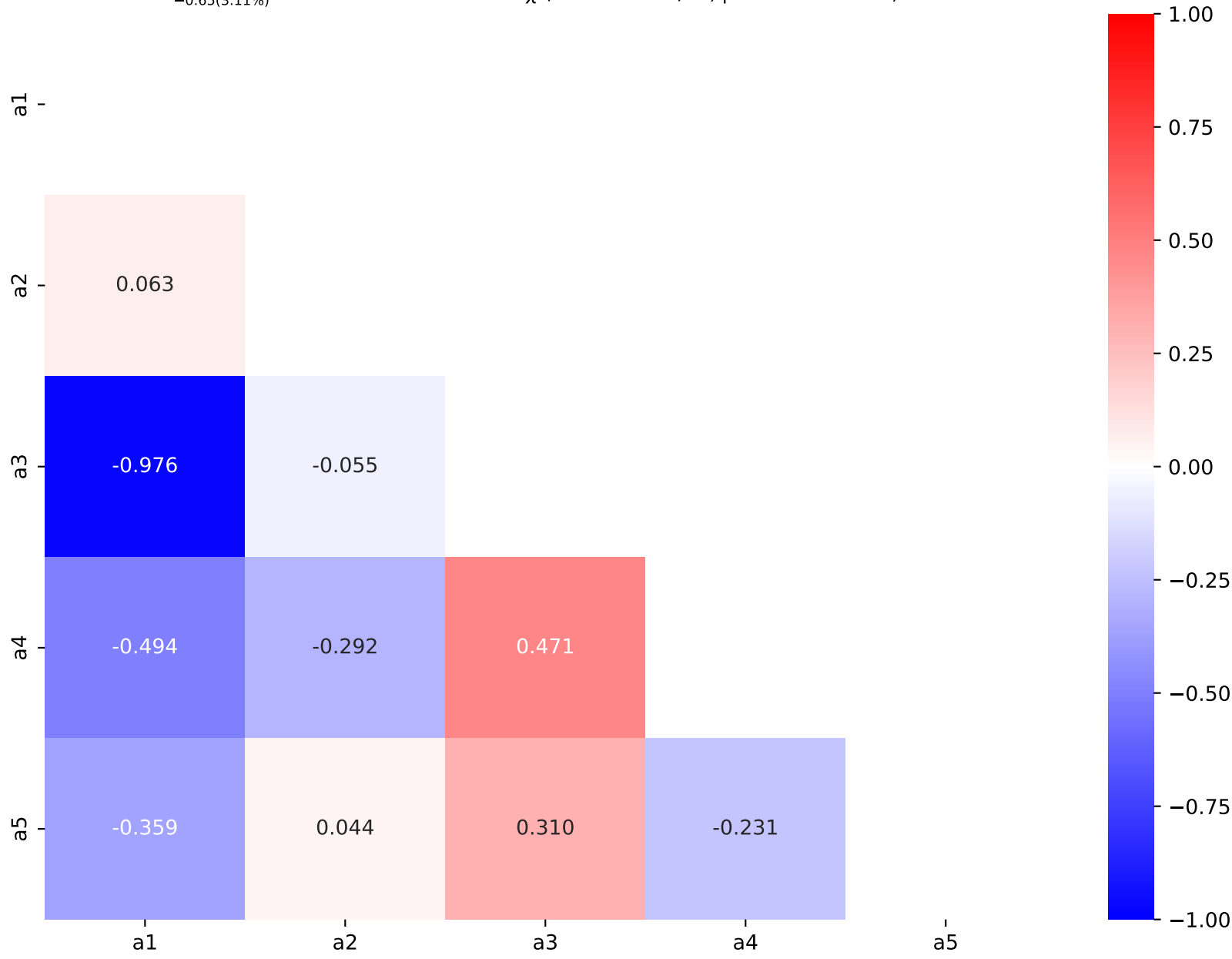
$$164.796 \cdot (a_2 + a_5 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526) \cdot (a_4 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526)^2 + ((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -16.3978^{+0.539(3.29\%)}_{-0.539(3.29\%)}, \quad a_2 = 0.0527371^{+0.00515(9.77\%)}_{-0.00515(9.77\%)},$$

$$a_3 = 2.66715^{+0.0986(3.7\%)}_{-0.0986(3.7\%)}, \quad a_4 = 12.1952^{+0.323(2.65\%)}_{-0.323(2.65\%)},$$

$$a_5 = 20.8781^{+0.65(3.11\%)}_{-0.65(3.11\%)}$$

Candidate #32
 $\chi^2/\text{NDF} = 5.706/15$, p-value = 0.9843, RMSE = 8.305



Candidate function #31

$$164.796 \cdot (a_2 + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) + ((x_0 - 12.5) \cdot 0.00210526) \cdot (a_4 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526)^2 + ((x_0 - 12.5) \cdot 0.00210526)))$$

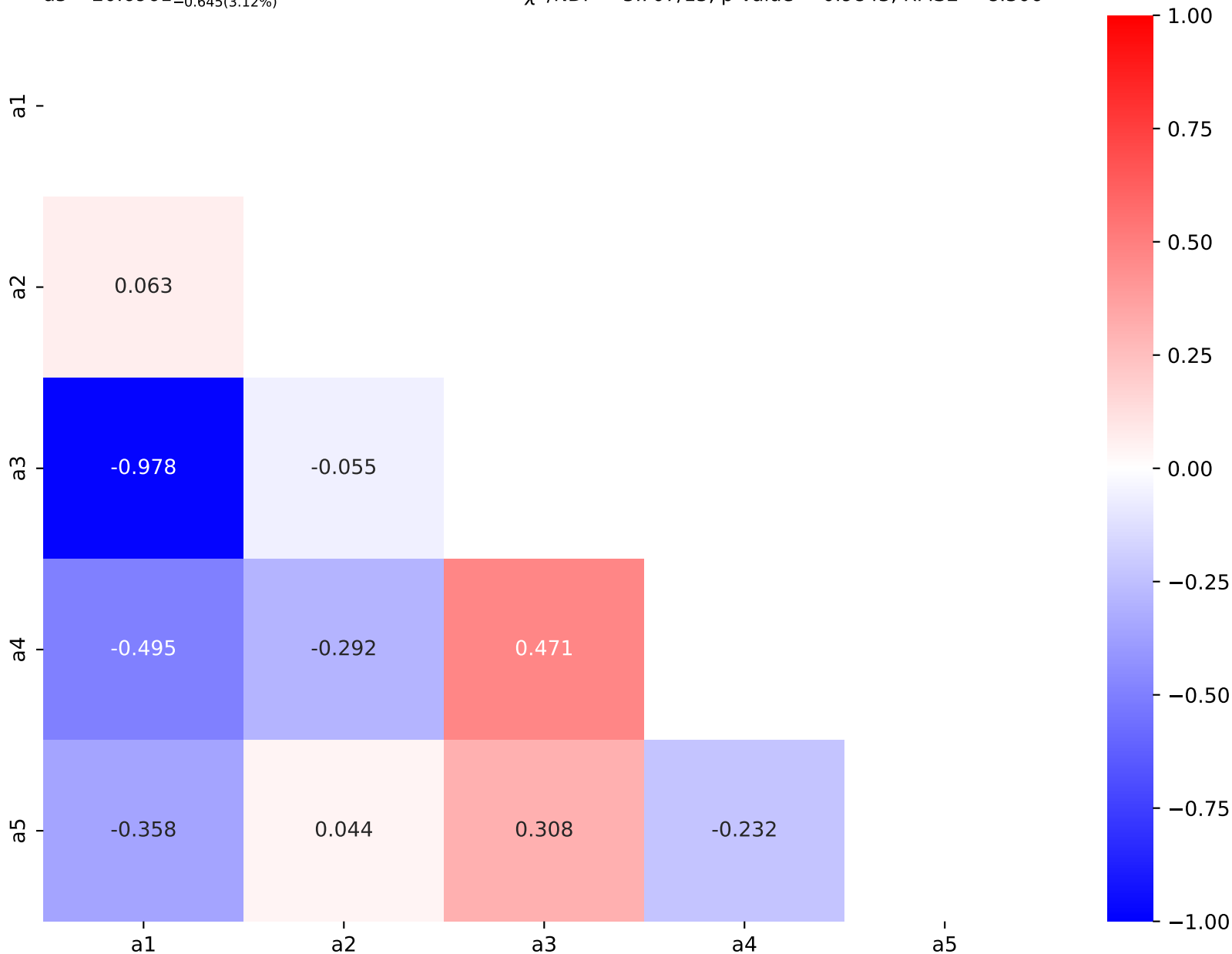
$$a_1 = -16.4075^{+0.538(3.28\%)}_{-0.538(3.28\%)}, \quad a_2 = 0.052737^{+0.00515(9.77\%)}_{-0.00515(9.77\%)},$$

$$a_3 = 2.66548^{+0.0986(3.7\%)}_{-0.0986(3.7\%)}, \quad a_4 = 12.1952^{+0.323(2.65\%)}_{-0.323(2.65\%)},$$

$$a_5 = 20.6961^{+0.645(3.12\%)}_{-0.645(3.12\%)}$$

Candidate #31

$$\chi^2/\text{NDF} = 5.707/15, \quad p\text{-value} = 0.9843, \quad \text{RMSE} = 8.306$$



Candidate function #30

$$164.796 \cdot (a_2 + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) + ((x_0 - 12.5) \cdot 0.00210526) \cdot (a_4 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526)^2 + ((x_0 - 12.5) \cdot 0.00210526)))$$

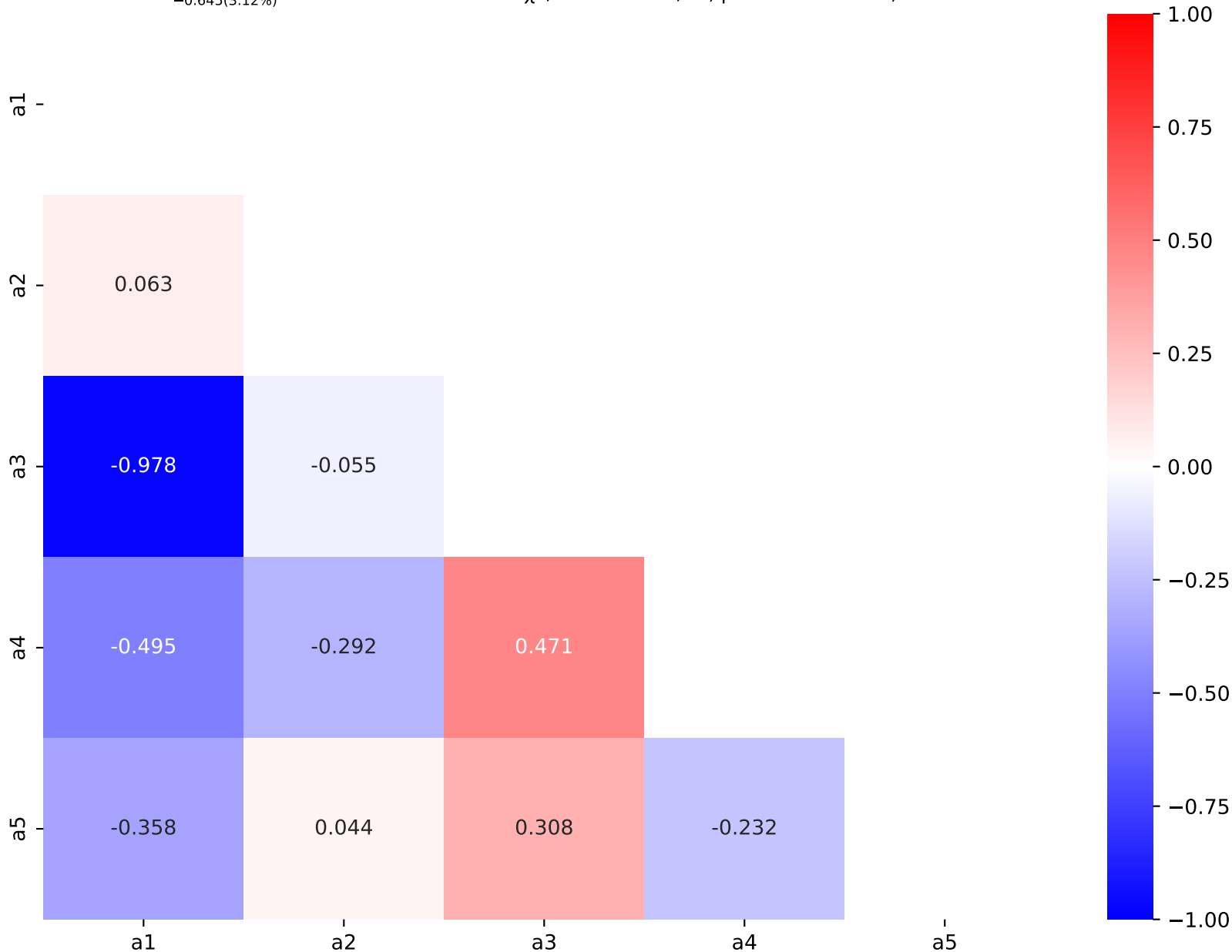
$$a_1 = -16.4076^{+0.538(3.28\%)}_{-0.538(3.28\%)}, \quad a_2 = 0.052737^{+0.00515(9.77\%)}_{-0.00515(9.77\%)},$$

$$a_3 = 2.66548^{+0.0986(3.7\%)}_{-0.0986(3.7\%)}, \quad a_4 = 12.1953^{+0.323(2.65\%)}_{-0.323(2.65\%)},$$

$$a_5 = 20.6961^{+0.645(3.12\%)}_{-0.645(3.12\%)}$$

Candidate #30

$$\chi^2/\text{NDF} = 5.707/15, \quad p\text{-value} = 0.9843, \quad \text{RMSE} = 8.305$$



Candidate function #29

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

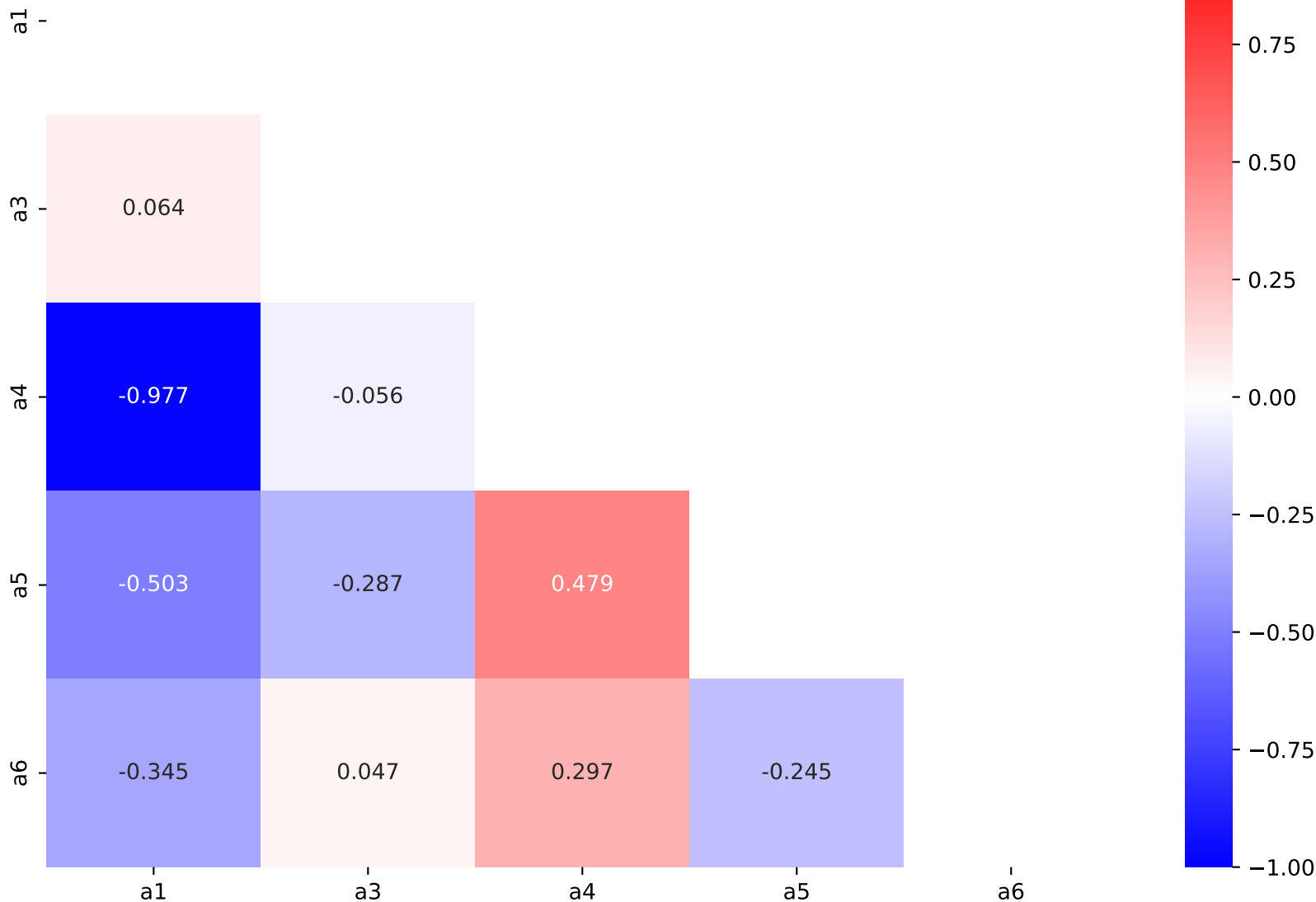
$$a1 = -16.535^{+0.619(3.74\%)}_{-0.619(3.74\%)}, a2 = -0.324,$$

$$a3 = 0.0615135^{+0.00577(9.38\%)}_{-0.00577(9.38\%)}, a4 = 2.68188^{+0.113(4.21\%)}_{-0.113(4.21\%)},$$

$$a5 = 10.7346^{+0.349(3.25\%)}_{-0.349(3.25\%)}, a6 = 20.5949^{+0.73(3.54\%)}_{-0.73(3.54\%)}$$

Candidate #29

$$\chi^2/\text{NDF} = 7.187/15, \text{p-value} = 0.9523, \text{RMSE} = 7.815$$



Candidate function #28

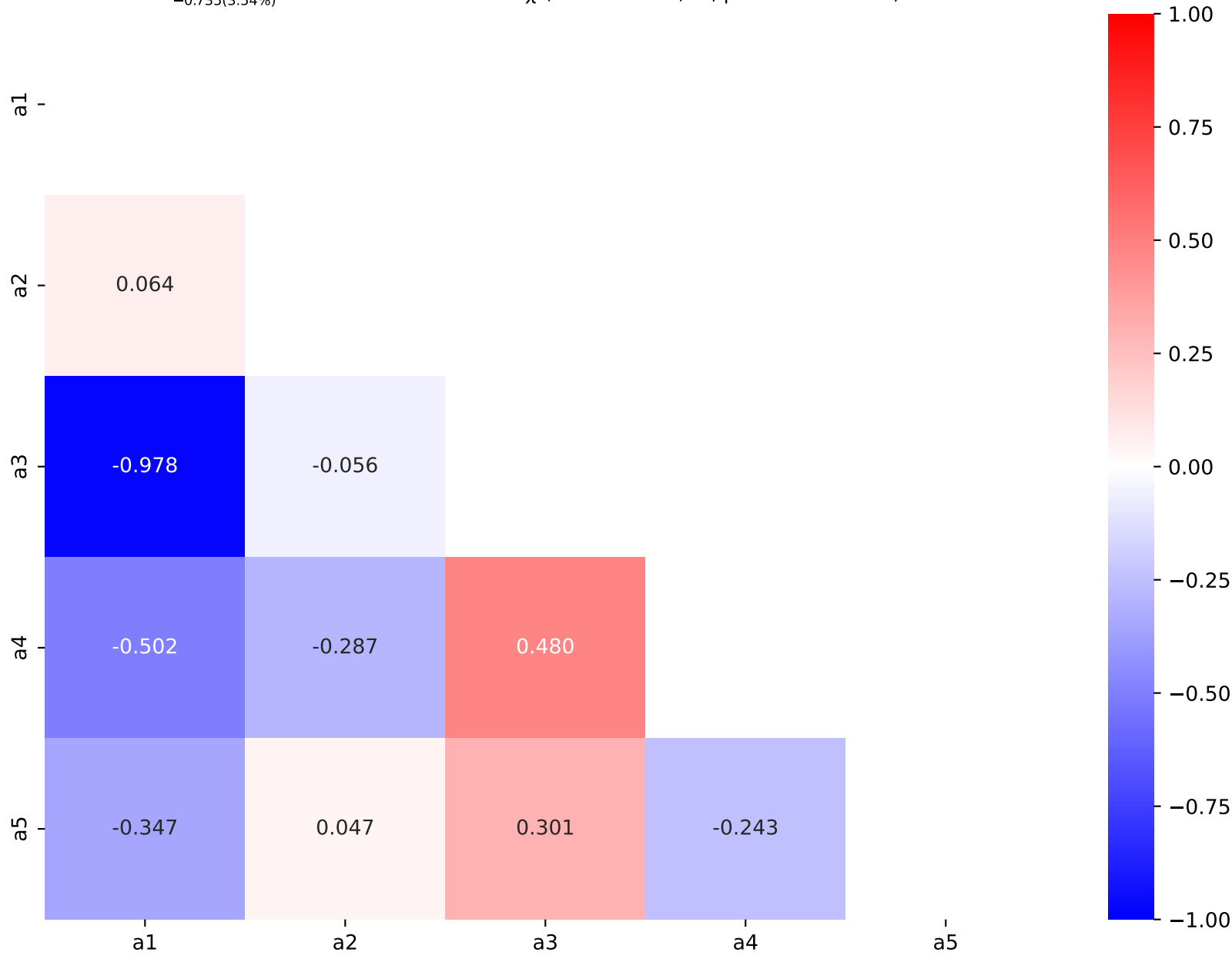
$$164.796 \cdot (a_2 + a_5 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)) + (a_4 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \exp(((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)) + ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(2 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -16.5688^{+0.621(3.75\%)}_{-0.621(3.75\%)}, \quad a_2 = 0.0615655^{+0.00575(9.34\%)}_{-0.00575(9.34\%)},$$

$$a_3 = 2.69201^{+0.113(4.2\%)}_{-0.113(4.2\%)}, \quad a_4 = 10.5069^{+0.347(3.3\%)}_{-0.347(3.3\%)},$$

$$a_5 = 20.7467^{+0.735(3.54\%)}_{-0.735(3.54\%)}$$

Candidate #28
 $\chi^2/\text{NDF} = 7.137/15$, p-value = 0.9537, RMSE = 7.761



Candidate function #27

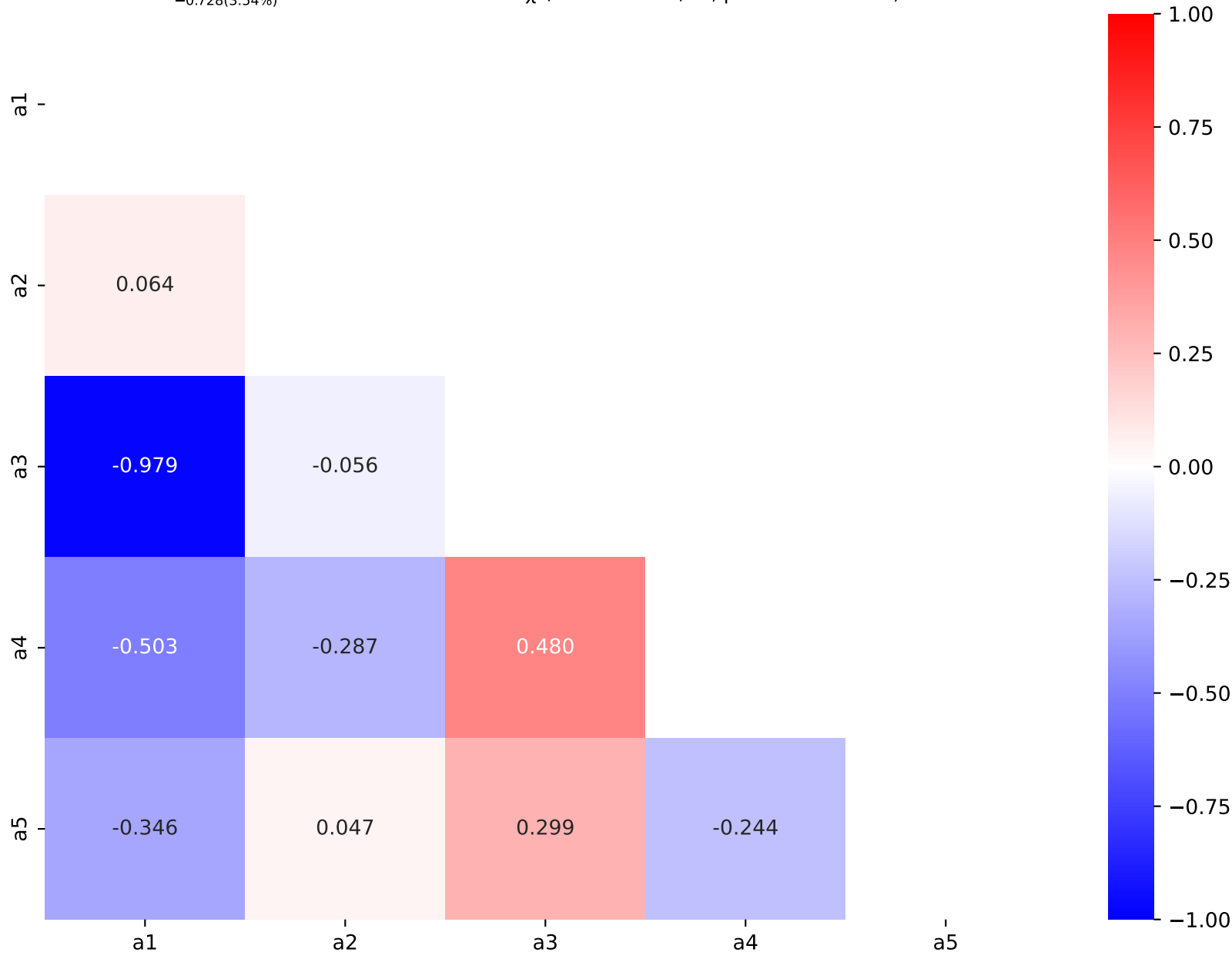
$$164.796 \cdot (a_2 + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) + (a_4 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \exp(((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526))) + ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(2 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -16.5784^{+0.62(3.74\%)}_{-0.62(3.74\%)}, \quad a_2 = 0.0615655^{+0.00575(9.34\%)}_{-0.00575(9.34\%)},$$

$$a_3 = 2.69036^{+0.113(4.2\%)}_{-0.113(4.2\%)}, \quad a_4 = 10.5069^{+0.347(3.3\%)}_{-0.347(3.3\%)},$$

$$a_5 = 20.5662^{+0.728(3.54\%)}_{-0.728(3.54\%)}$$

Candidate #27
 $\chi^2/\text{NDF} = 7.137/15$, p-value = 0.9537, RMSE = 7.762



Candidate function #26

$$164.796 \cdot (a_2 + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) + (a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \exp(((x_0 - 12.5) \cdot 0.00210526))) + ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(2 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

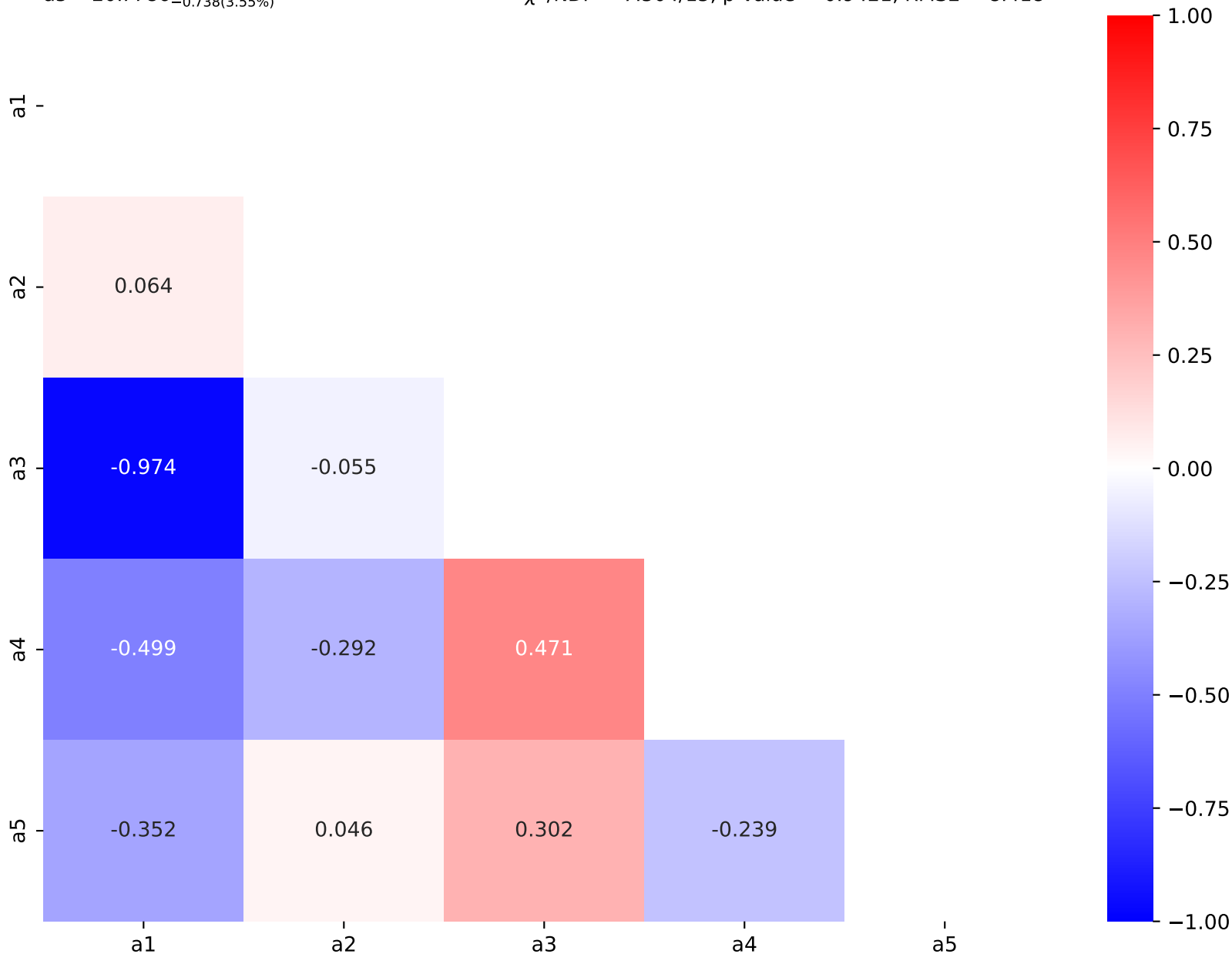
$$a_1 = -16.2404^{+0.606(3.73\%)}_{-0.606(3.73\%)}, \quad a_2 = 0.0606542^{+0.00591(9.74\%)}_{-0.00591(9.74\%)},$$

$$a_3 = 2.62806^{+0.111(4.22\%)}_{-0.111(4.22\%)}, \quad a_4 = 10.0408^{+0.344(3.43\%)}_{-0.344(3.43\%)},$$

$$a_5 = 20.7786^{+0.738(3.55\%)}_{-0.738(3.55\%)}$$

Candidate #26

$$\chi^2/\text{NDF} = 7.504/15, \text{ p-value} = 0.9421, \text{ RMSE} = 8.418$$



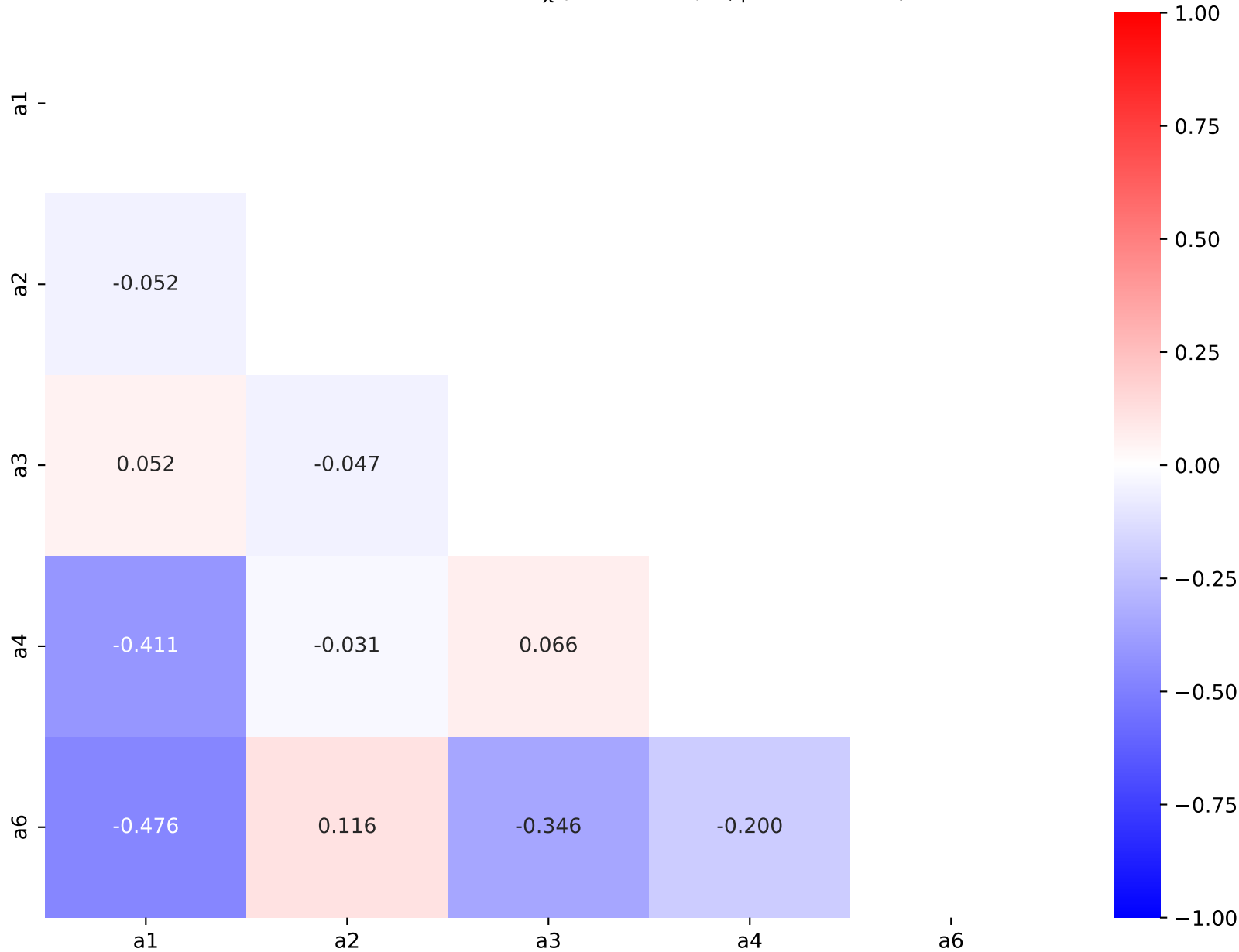
Candidate function #25

$$164.796 \cdot (a_3 + a_4 \cdot \text{gauss}((a_1 + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot (a_2 + 2 \cdot ((x_0 - 12.5) \cdot 0.00210526)))) + a_6 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)))$$

$a_1 = -9.32526^{+0.339(3.64\%)}_{-0.339(3.64\%)}$, $a_2 = -0.341645^{+0.00377(1.1\%)}_{-0.00377(1.1\%)}$,
 $a_3 = 0.0854909^{+0.00849(9.93\%)}_{-0.00849(9.93\%)}$, $a_4 = 3.61539^{+0.163(4.51\%)}_{-0.163(4.51\%)}$,
 $a_5 = 7.51$, $a_6 = 10.3924^{+0.429(4.13\%)}_{-0.429(4.13\%)}$

Candidate #25

$\chi^2/\text{NDF} = 14.73/15$, p-value = 0.471, RMSE = 7.747



Candidate function #24

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

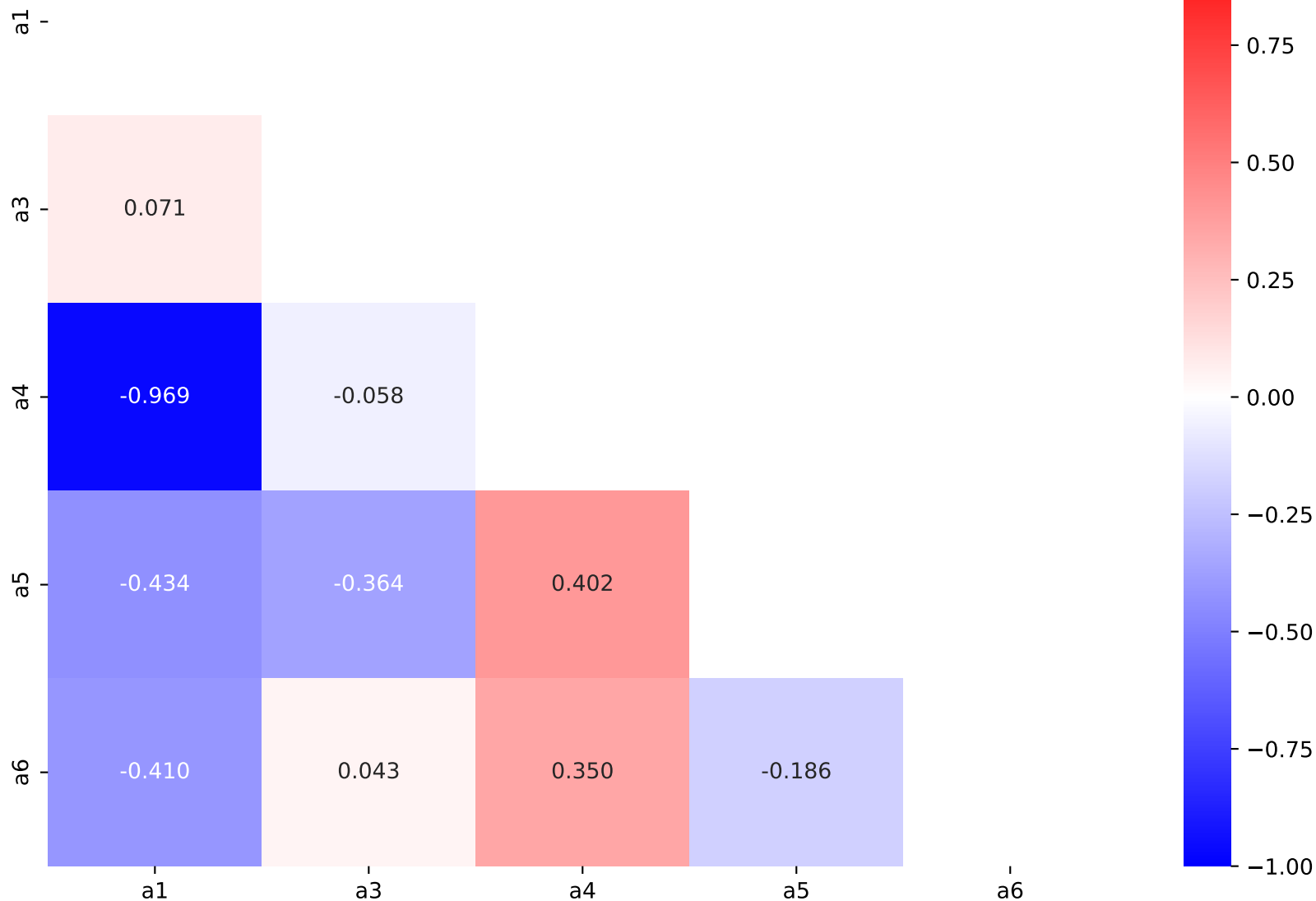
$a_1 = -15.3006^{+0.769(5.03\%)}_{-0.769(5.03\%)}$, $a_2 = 0.0224$,

$a_3 = 0.0834143^{+0.00914(11.0\%)}_{-0.00914(11.0\%)}$, $a_4 = 2.46848^{+0.143(5.79\%)}_{-0.143(5.79\%)}$,

$a_5 = 10.5191^{+0.449(4.27\%)}_{-0.449(4.27\%)}$, $a_6 = 21.2489^{+1.06(4.99\%)}_{-1.06(4.99\%)}$

Candidate #24

$\chi^2/\text{NDF} = 16.98/15$, p-value = 0.32, RMSE = 12.03



Candidate function #23

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

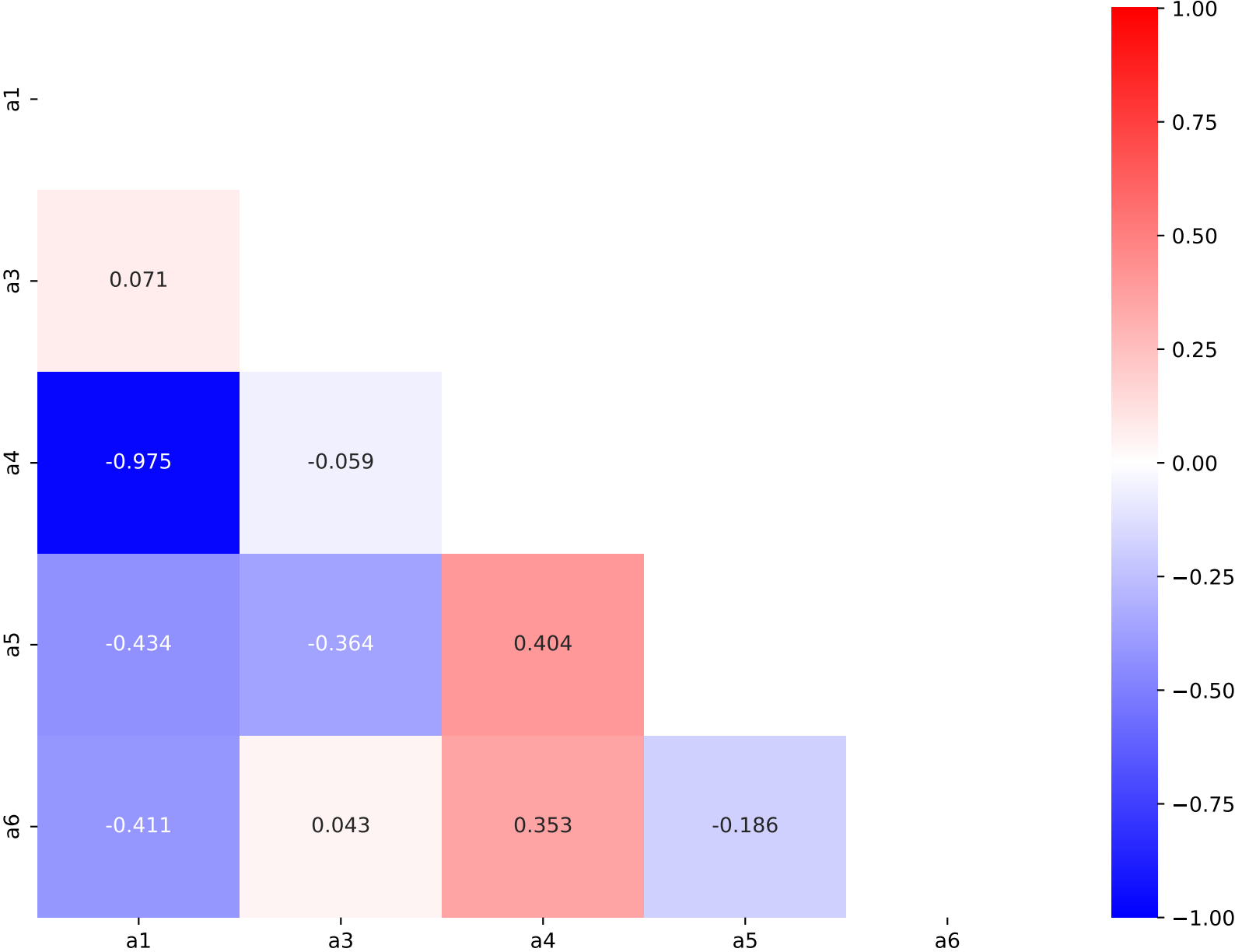
$$a_1 = -15.3006^{+0.769(5.03\%)}_{-0.769(5.03\%)}, \quad a_2 = 0.0224,$$

$$a_3 = 0.0834143^{+0.00914(11.0\%)}_{-0.00914(11.0\%)}, \quad a_4 = 2.47001^{+0.142(5.75\%)}_{-0.142(5.75\%)},$$

$$a_5 = 10.5191^{+0.449(4.27\%)}_{-0.449(4.27\%)}, \quad a_6 = 21.4103^{+1.06(4.95\%)}_{-1.06(4.95\%)}$$

Candidate #23

$$\chi^2/\text{NDF} = 16.98/15, \text{ p-value} = 0.32, \text{ RMSE} = 12.03$$



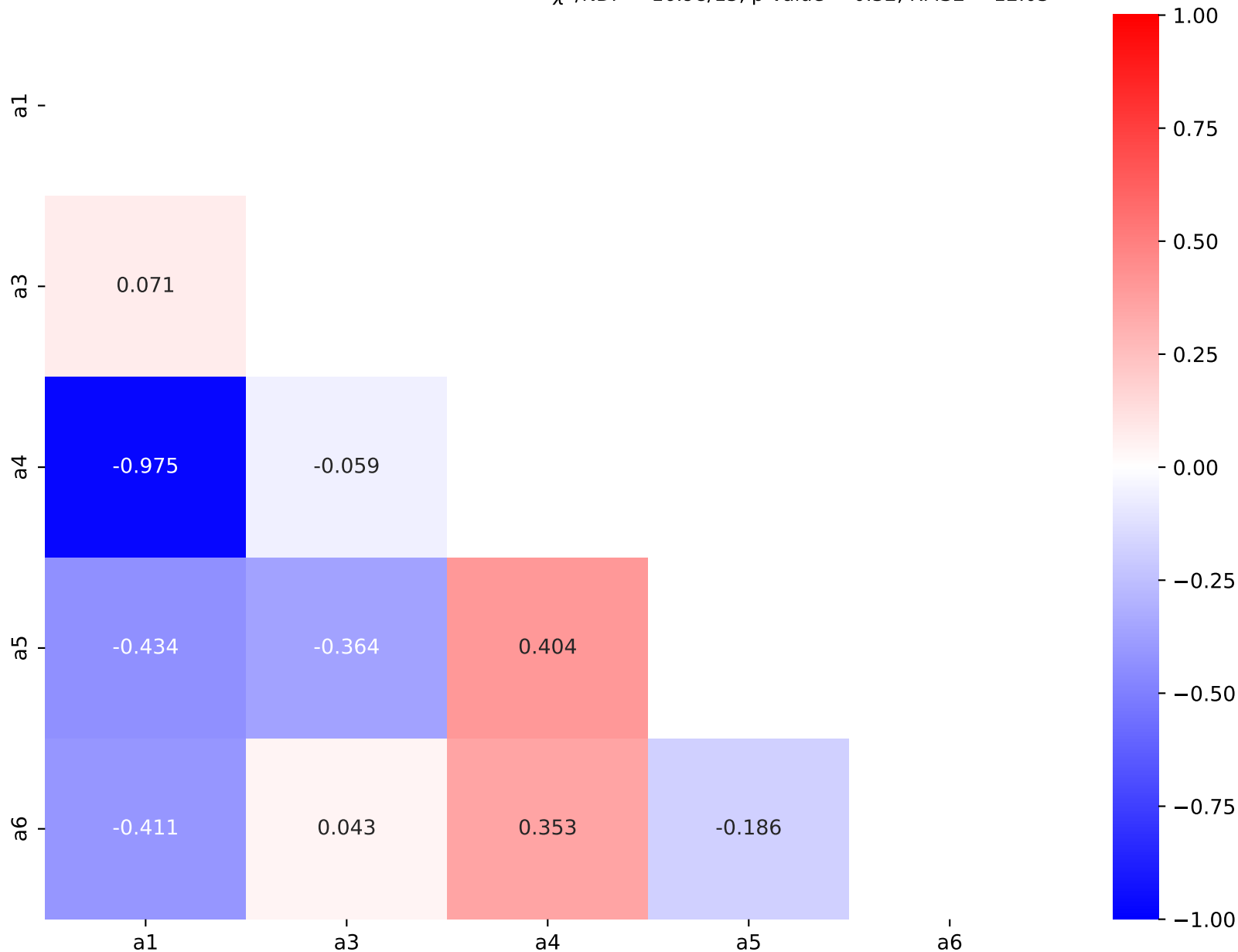
Candidate function #22

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

$$a_1 = -15.3006^{+0.769(5.03\%)}_{-0.769(5.03\%)}, \quad a_2 = 0.0224,$$

$$a_3 = 0.0834143^{+0.00914(11.0\%)}_{-0.00914(11.0\%)}, \quad a_4 = 2.47001^{+0.142(5.75\%)}_{-0.142(5.75\%)},$$

$$a_5 = 10.5191^{+0.449(4.27\%)}_{-0.449(4.27\%)}, \quad a_6 = 21.4103^{+1.06(4.95\%)}_{-1.06(4.95\%)}$$

Candidate #22 $\chi^2/\text{NDF} = 16.98/15$, p-value = 0.32, RMSE = 12.03

Candidate function #21

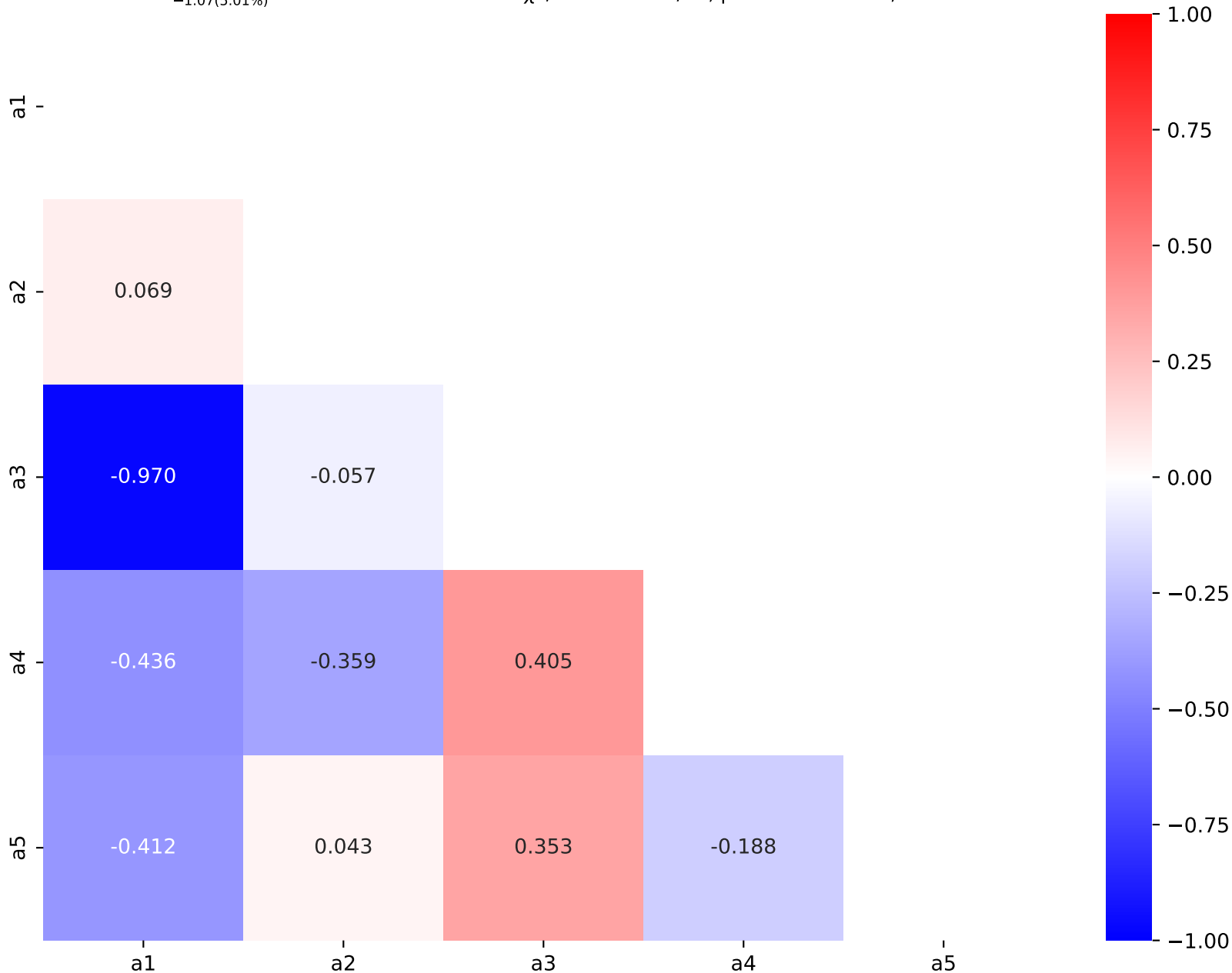
$$164.796 \cdot (a_2 + a_4 \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526))) + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3))$$

$$a_1 = -15.422^{+0.789(5.12\%)}_{-0.789(5.12\%)}, \quad a_2 = 0.0847897^{+0.00919(10.8\%)}_{-0.00919(10.8\%)},$$

$$a_3 = 2.49001^{+0.146(5.86\%)}_{-0.146(5.86\%)}, \quad a_4 = 10.5105^{+0.45(4.28\%)}_{-0.45(4.28\%)},$$

$$a_5 = 21.3584^{+1.07(5.01\%)}_{-1.07(5.01\%)}$$

$$\chi^2/\text{NDF} = 17.26/15, \quad p\text{-value} = 0.3035, \quad \text{RMSE} = 11.62$$

Candidate #21

Candidate function #20

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

SymbolFit

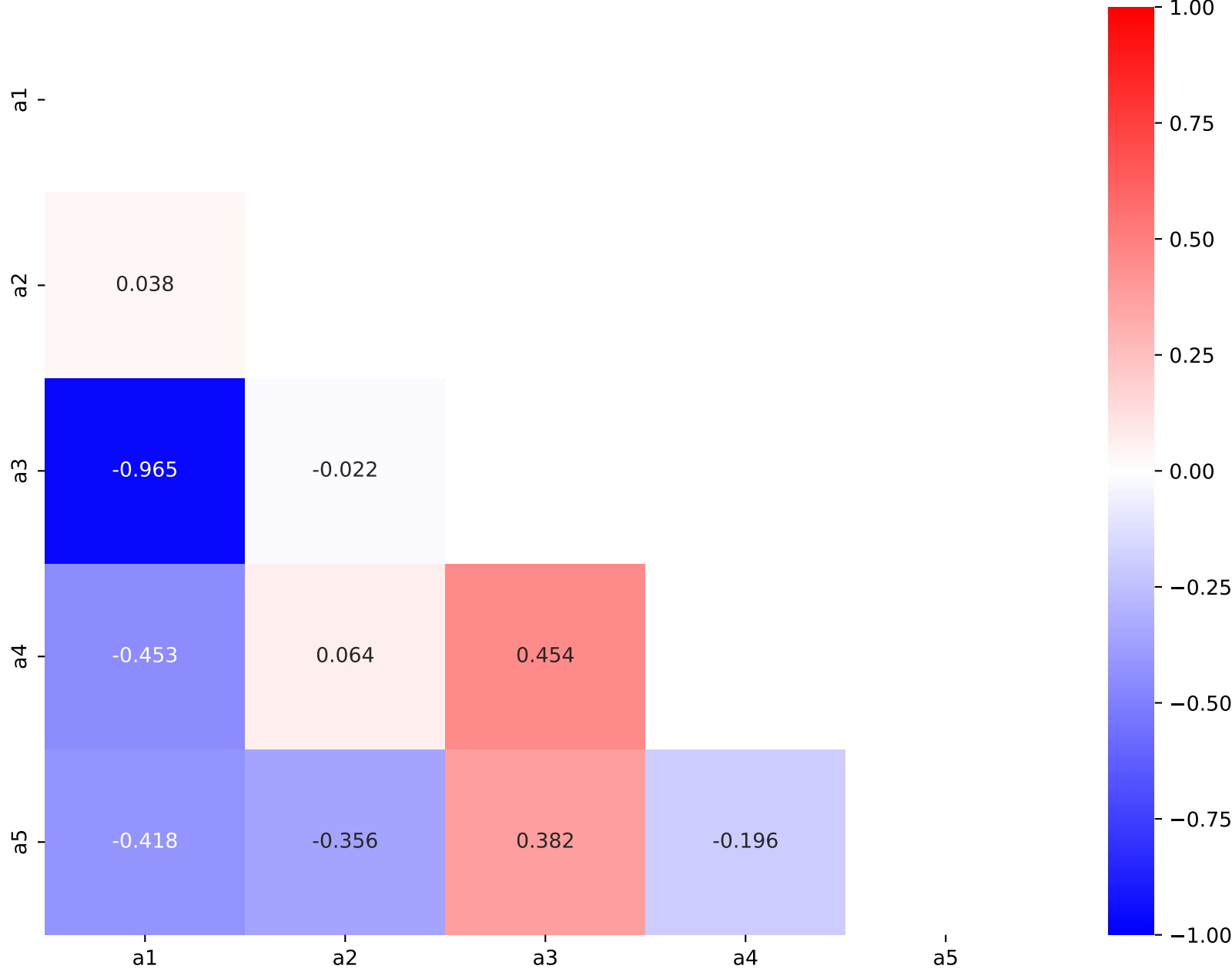
$$a_1 = -15.7101^{+0.729(4.64\%)}_{-0.729(4.64\%)}, \quad a_2 = 0.0818629^{+0.00943(11.5\%)}_{-0.00943(11.5\%)},$$

$$a_3 = 2.73635^{+0.125(4.57\%)}_{-0.125(4.57\%)}, \quad a_4 = 3.62418^{+0.181(4.99\%)}_{-0.181(4.99\%)},$$

$$a_5 = 9.97479^{+0.438(4.39\%)}_{-0.438(4.39\%)}$$

Candidate #20

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



Candidate function #19

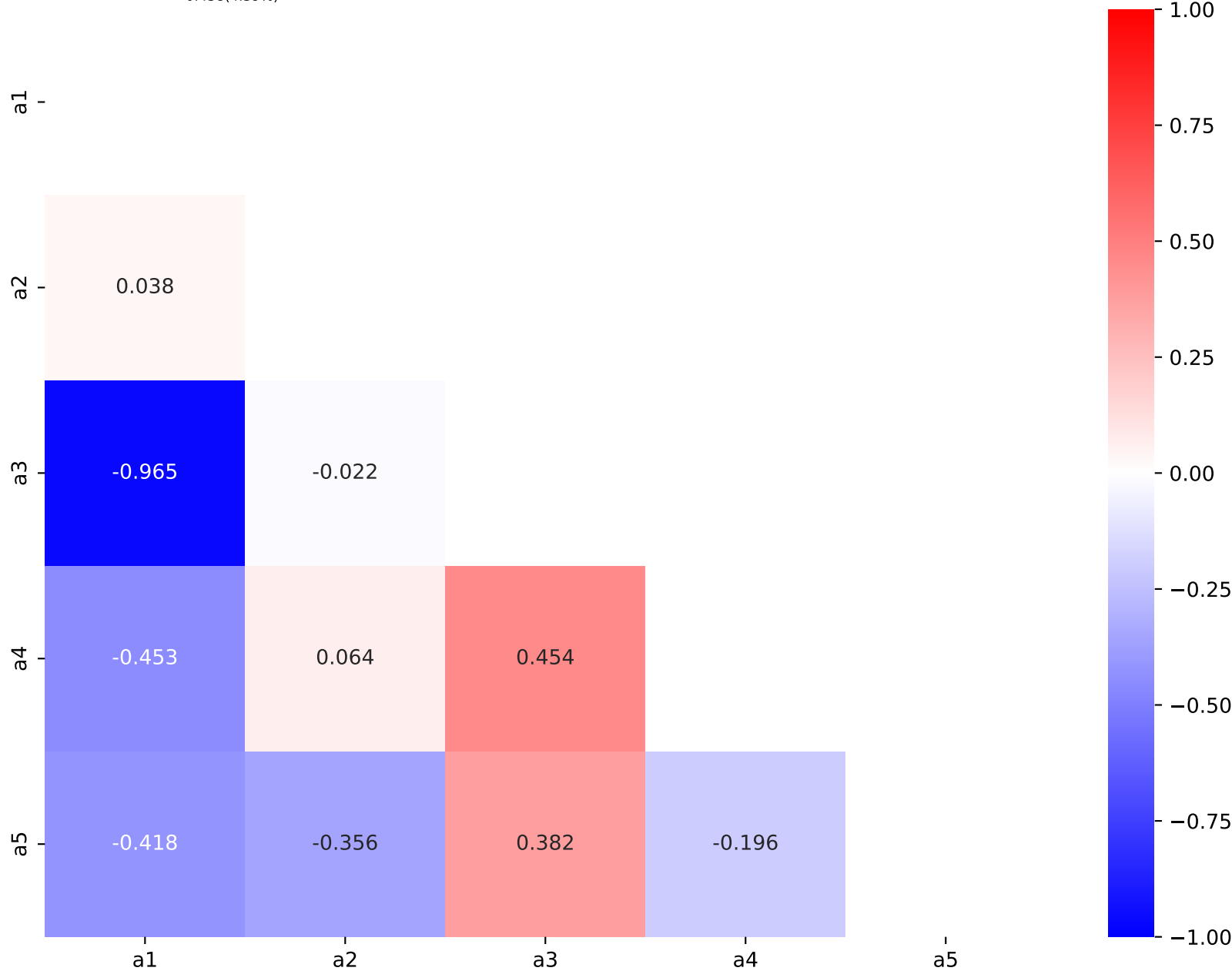
$$164.796 \cdot (a_2 + a_4 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526) + a_3) + a_5 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -15.7101^{+0.729(4.64\%)}_{-0.729(4.64\%)}, \quad a_2 = 0.0818629^{+0.00943(11.5\%)}_{-0.00943(11.5\%)},$$

$$a_3 = 2.73635^{+0.125(4.57\%)}_{-0.125(4.57\%)}, \quad a_4 = 3.62418^{+0.181(4.99\%)}_{-0.181(4.99\%)},$$

$$a_5 = 9.97479^{+0.438(4.39\%)}_{-0.438(4.39\%)}$$

Candidate #19
 $\chi^2/\text{NDF} = 18.06/15$, p-value = 0.2597, RMSE = 13.09



Candidate function #18

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

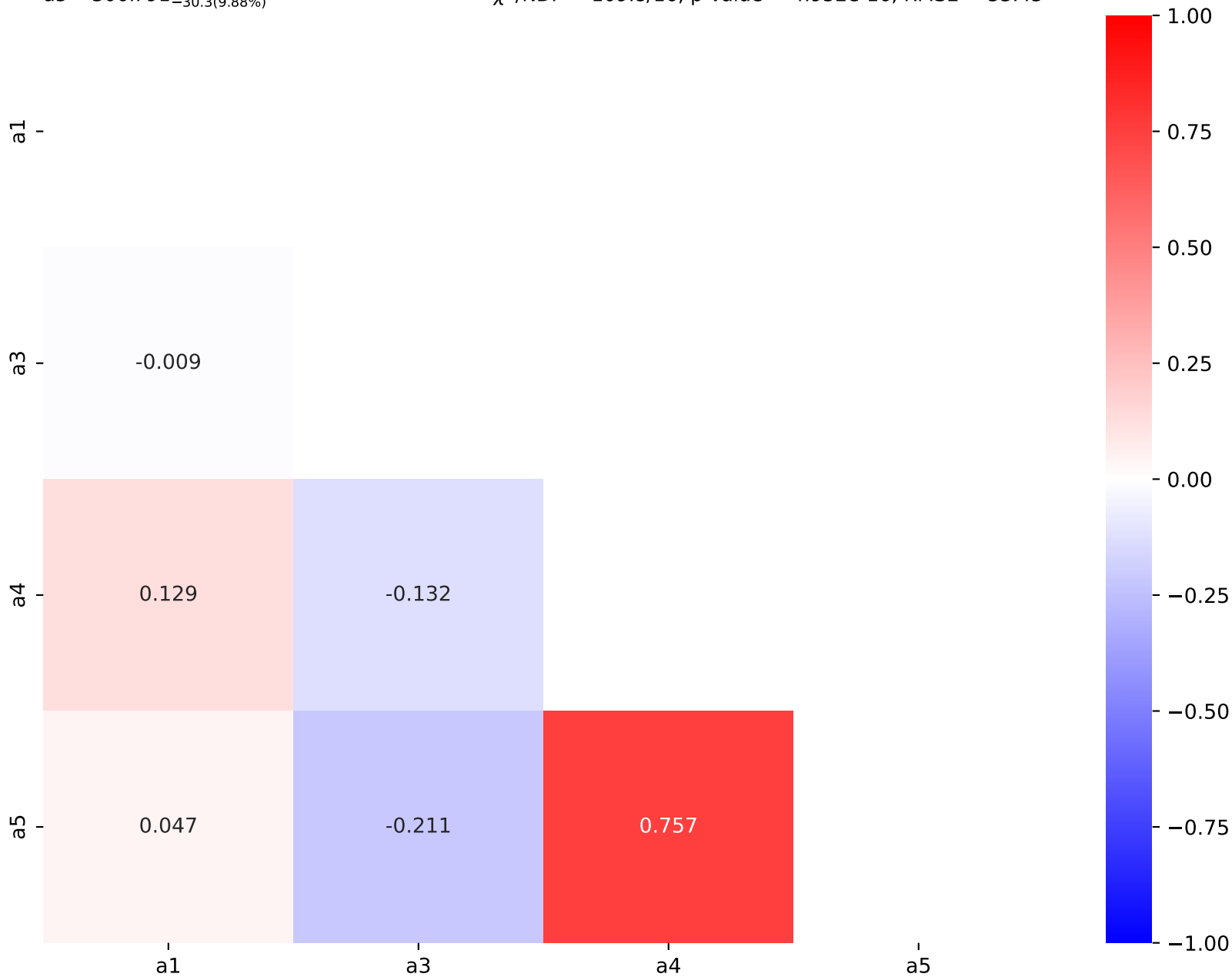
$$a1 = -1.71724^{+0.0777(4.52\%)}_{-0.0777(4.52\%)}, a2 = -1.62,$$

$$a3 = -0.948158^{+0.0499(5.26\%)}_{-0.0499(5.26\%)}, a4 = 5.63102^{+0.196(3.48\%)}_{-0.196(3.48\%)},$$

$$a5 = 306.791^{+30.3(9.88\%)}_{-30.3(9.88\%)}$$

Candidate #18

$$\chi^2/\text{NDF} = 109.8/16, \text{p-value} = 4.952\text{e-}16, \text{RMSE} = 53.45$$



Candidate function #17

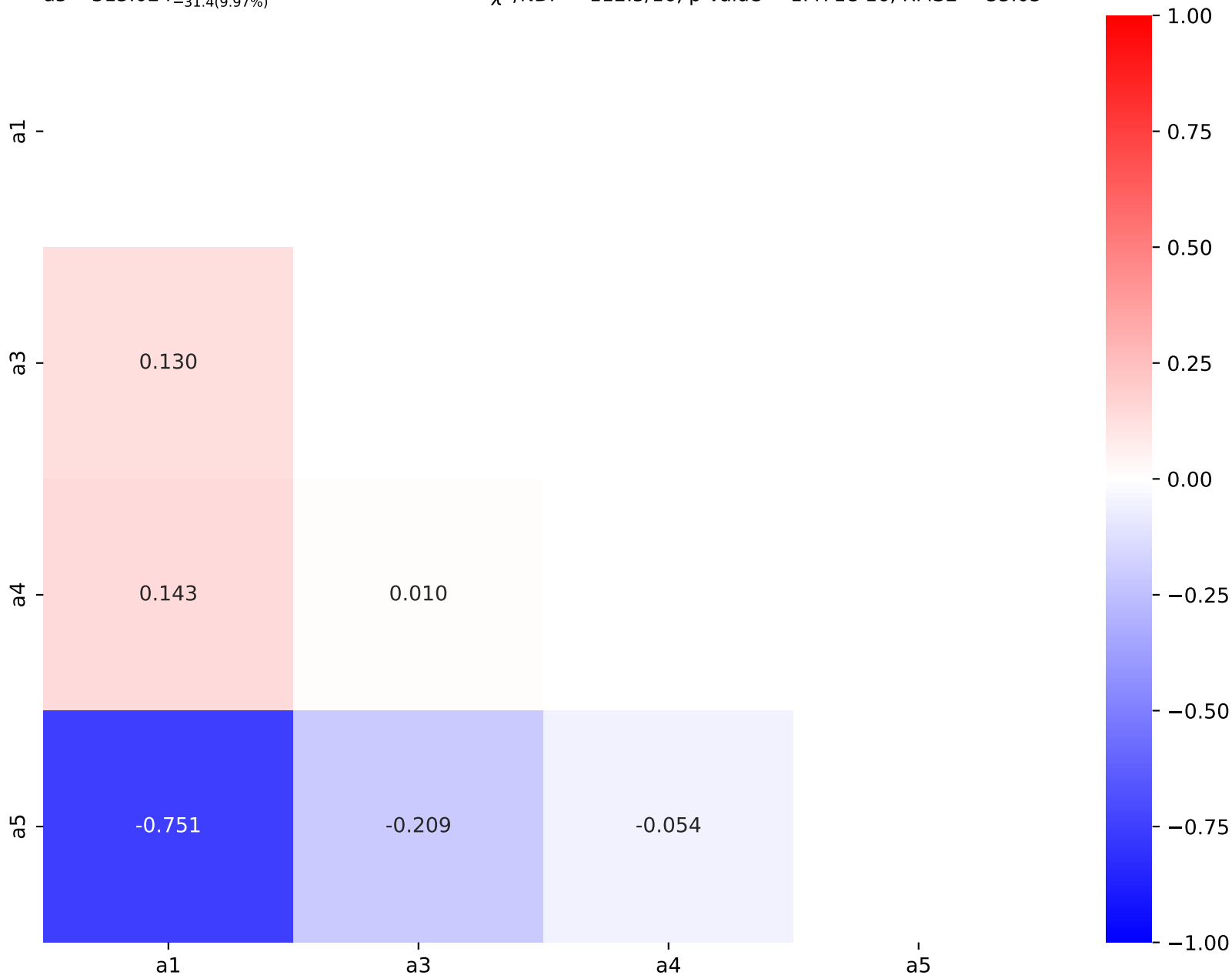
$$164.796*((a3 + ((x0 - 12.5) * 0.00210526))*(a2 + a5*((x0 - 12.5) * 0.00210526)))*\text{gauss}(a1*((x0 - 12.5) * 0.00210526)) + \text{gauss}(a4*((x0 - 12.5) * 0.00210526)))$$

$$a1 = -5.93305^{+0.193(3.25\%)}_{-0.193(3.25\%)}, \quad a2 = -1.74,$$

$$a3 = -0.949194^{+0.0506(5.33\%)}_{-0.0506(5.33\%)}, \quad a4 = 1.72226^{+0.0795(4.62\%)}_{-0.0795(4.62\%)},$$

$$a5 = 315.024^{+31.4(9.97\%)}_{-31.4(9.97\%)}$$

$$\chi^2/\text{NDF} = 112.5/16, \text{ p-value} = 1.471\text{e-}16, \text{ RMSE} = 55.05$$

Candidate #17

Candidate function #16

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

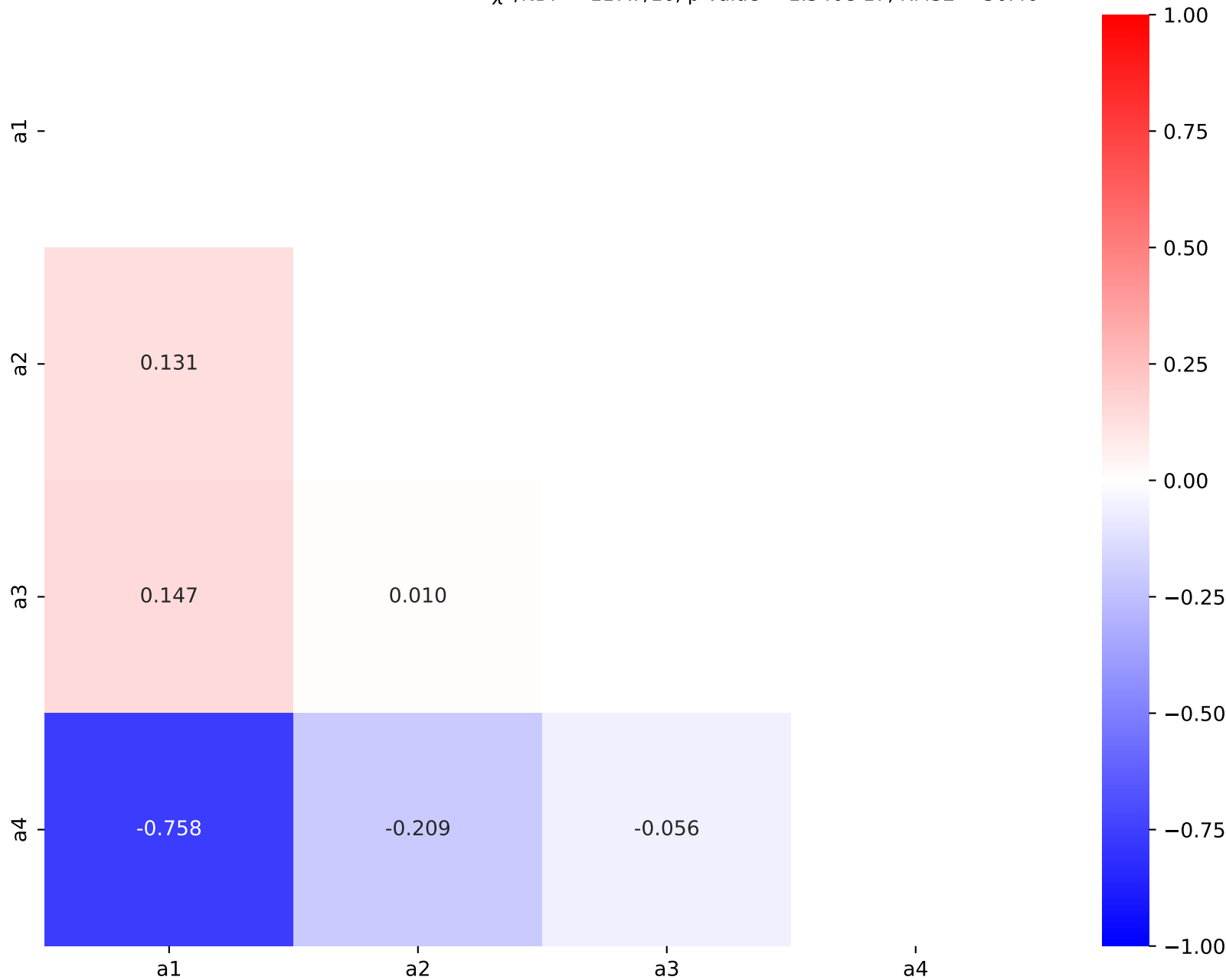
SymbolFit

$$a1 = -5.88415^{+0.2(3.4\%)}_{-0.2(3.4\%)}, \quad a2 = -0.951513^{+0.0517(5.43\%)}_{-0.0517(5.43\%)},$$

$$a3 = 1.72352^{+0.0815(4.73\%)}_{-0.0815(4.73\%)}, \quad a4 = 296.816^{+31.8(10.7\%)}_{-31.8(10.7\%)}$$

Candidate #16

$$\chi^2/\text{NDF} = 117.7/16, \text{ p-value} = 1.546\text{e-}17, \text{ RMSE} = 56.46$$



Candidate function #15

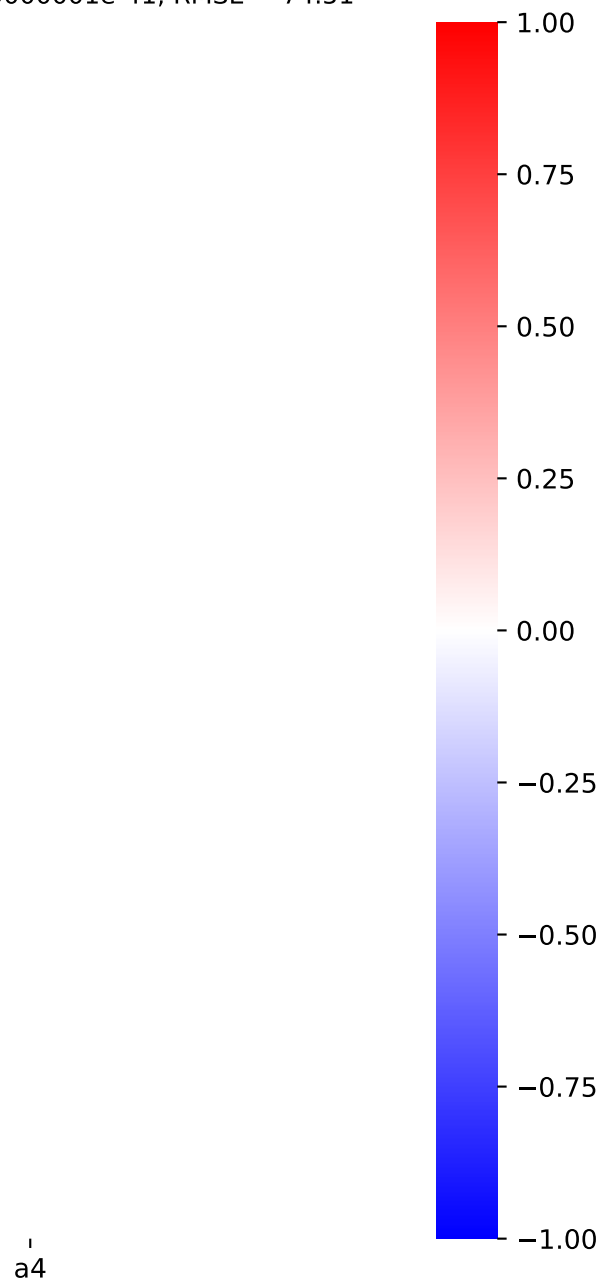
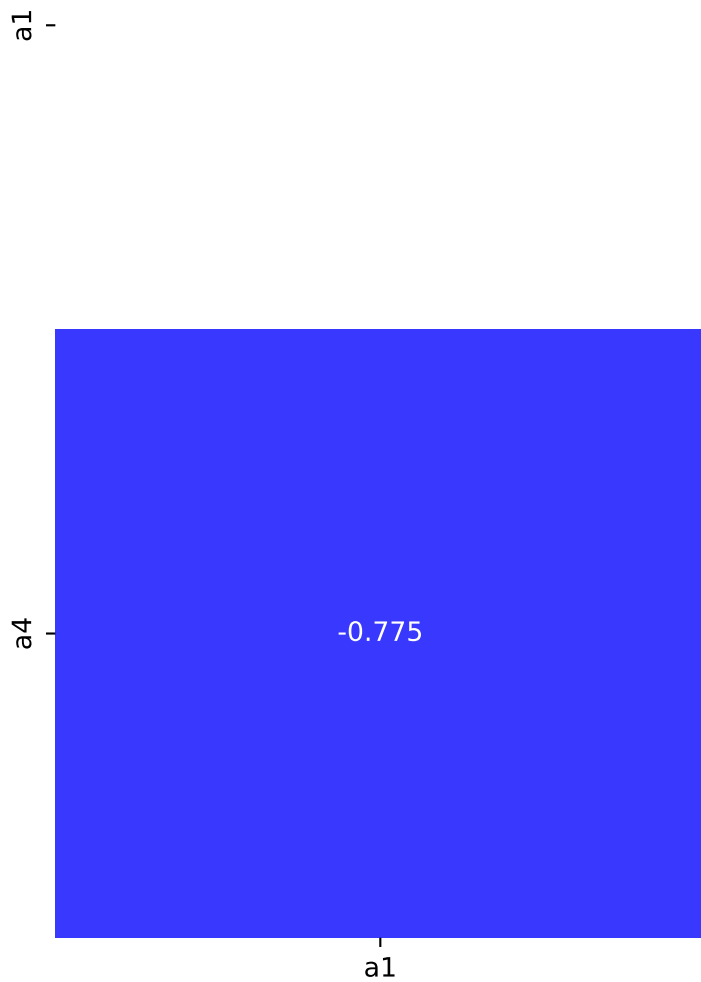
$$164.796*(a2 + a4*((x0 - 12.5) * 0.00210526)*\text{gauss}(((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526))))*\tanh(a3*((x0 - 12.5) * 0.00210526)))$$

$$a1 = -4.57364^{+0.164(3.59\%)}_{-0.164(3.59\%)}, \quad a2 = 0.107,$$

$$a3 = 9.55, \quad a4 = 35.5794^{+4.09(11.5\%)}_{-4.09(11.5\%)}$$

Candidate #15

$$\chi^2/\text{NDF} = 240.0/18, \text{ p-value} = 8.772000000000001\text{e-}41, \text{ RMSE} = 74.51$$



Candidate function #14

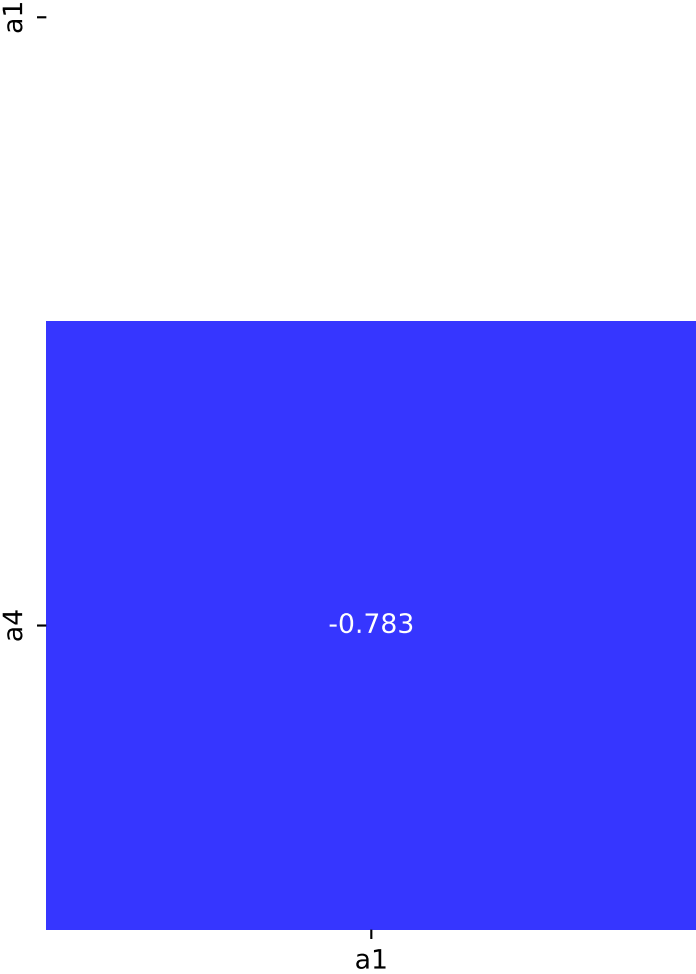
$$164.796 \cdot (a_2 + a_4 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526)))$$

$$a_1 = -4.21353^{+0.192(4.56\%)}_{-0.192(4.56\%)}, \quad a_2 = 0.115,$$

$$a_3 = 9.58, \quad a_4 = 34.2102^{+4.27(12.5\%)}_{-4.27(12.5\%)}$$

Candidate #14

$$\chi^2/\text{NDF} = 267.9/18, \text{ p-value} = 1.824999999999998\text{e-}46, \text{ RMSE} = 74.04$$



Candidate function #13

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

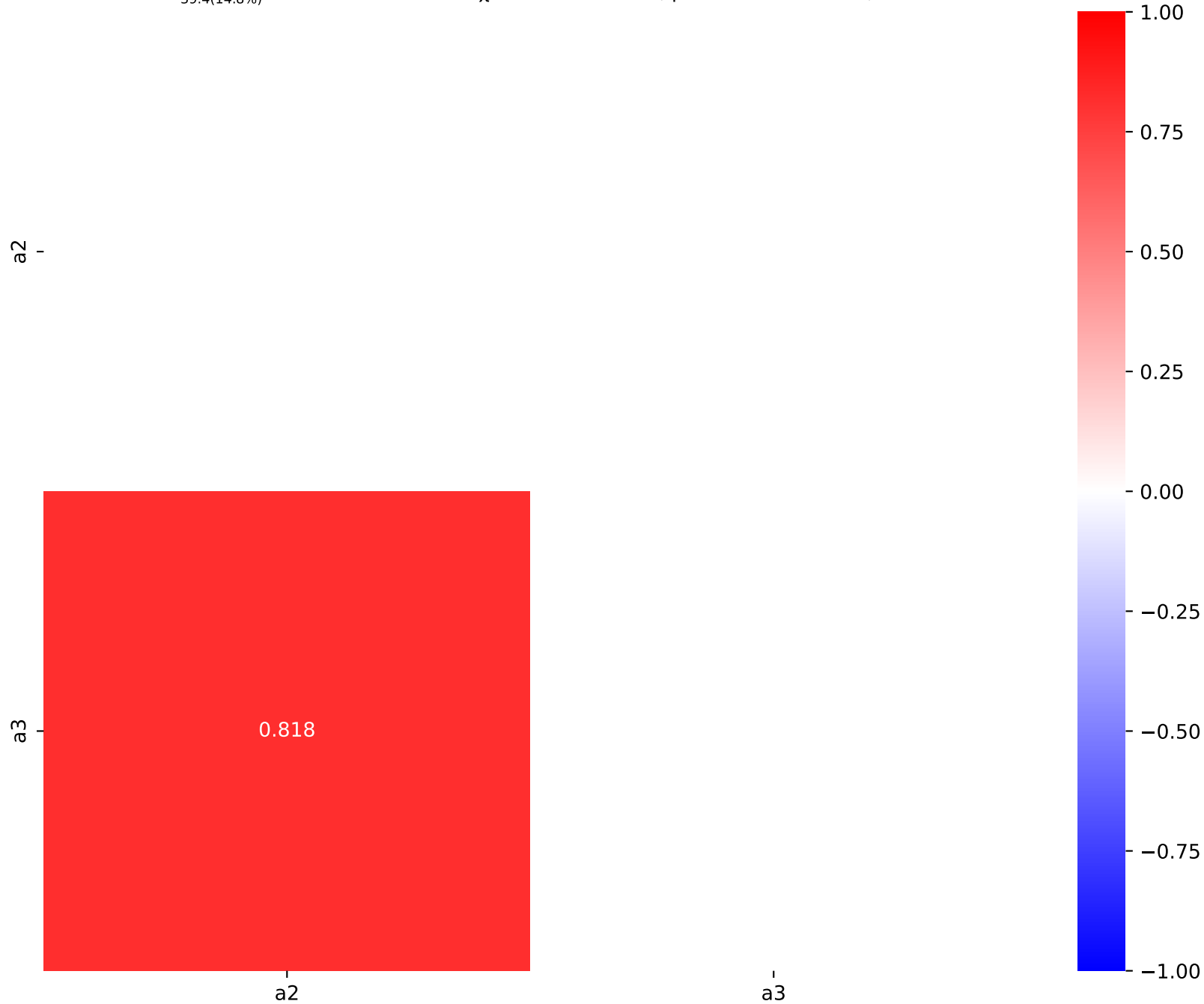
SymbolFit

$$a_1 = 0.129, \quad a_2 = 5.24767^{+0.216(4.12\%)}_{-0.216(4.12\%)},$$

$$a_3 = 266.419^{+39.4(14.8\%)}_{-39.4(14.8\%)}$$

Candidate #13

$$\chi^2/\text{NDF} = 311.4/18, \text{ p-value} = 2.143\text{e-}55, \text{ RMSE} = 67.97$$



Candidate function #12

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

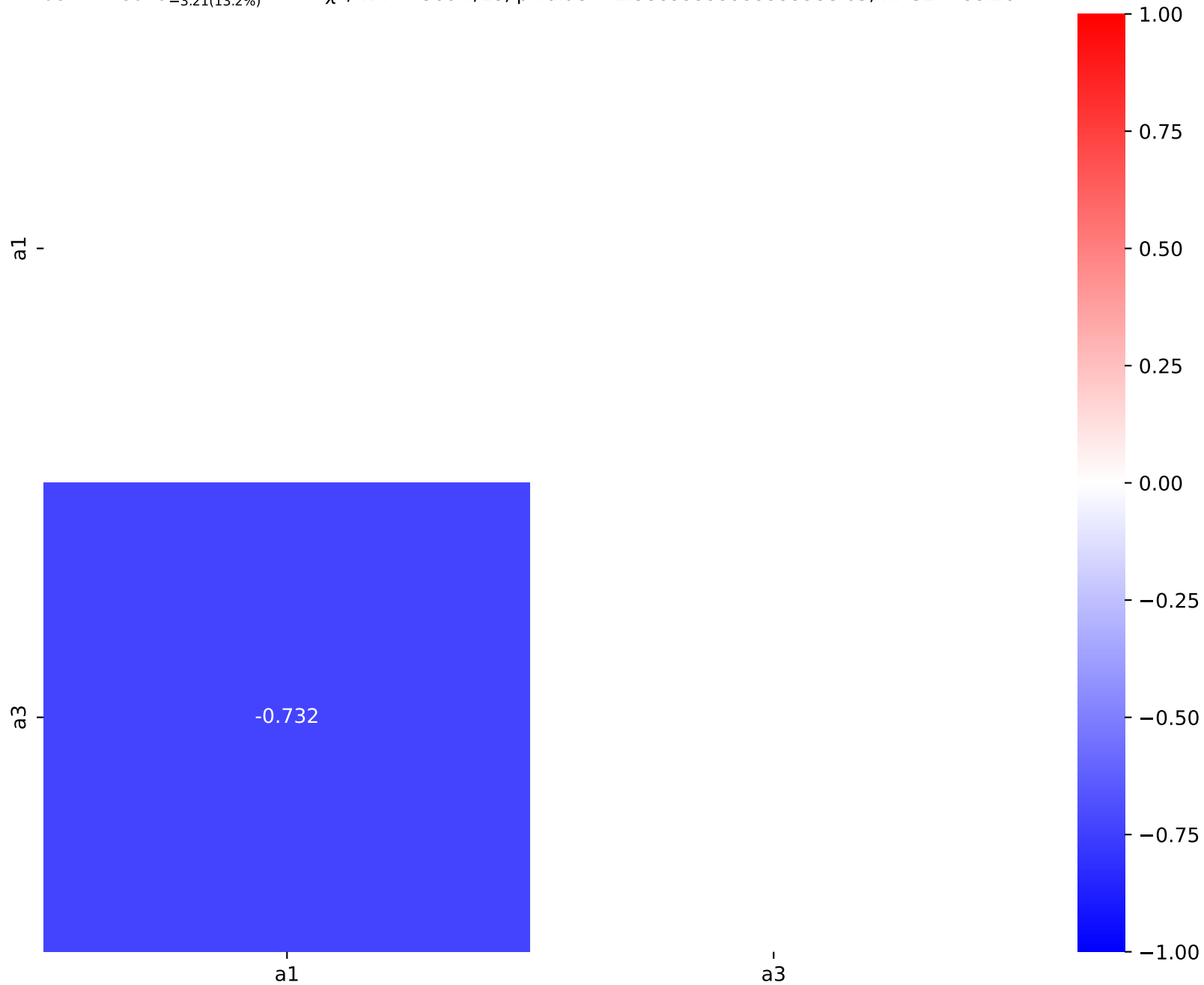
SymbolFit

$$a_1 = -4.1065^{+0.173(4.21\%)}_{-0.173(4.21\%)}, \quad a_2 = 0.0871,$$

$$a_3 = 24.3929^{+3.21(13.2\%)}_{-3.21(13.2\%)}$$

$\chi^2/\text{NDF} = 360.7/18,$
 $\text{p-value} = 1.3889999999999998\text{e-}65,$
 $\text{RMSE} = 99.26$

Candidate #12



Candidate function #11

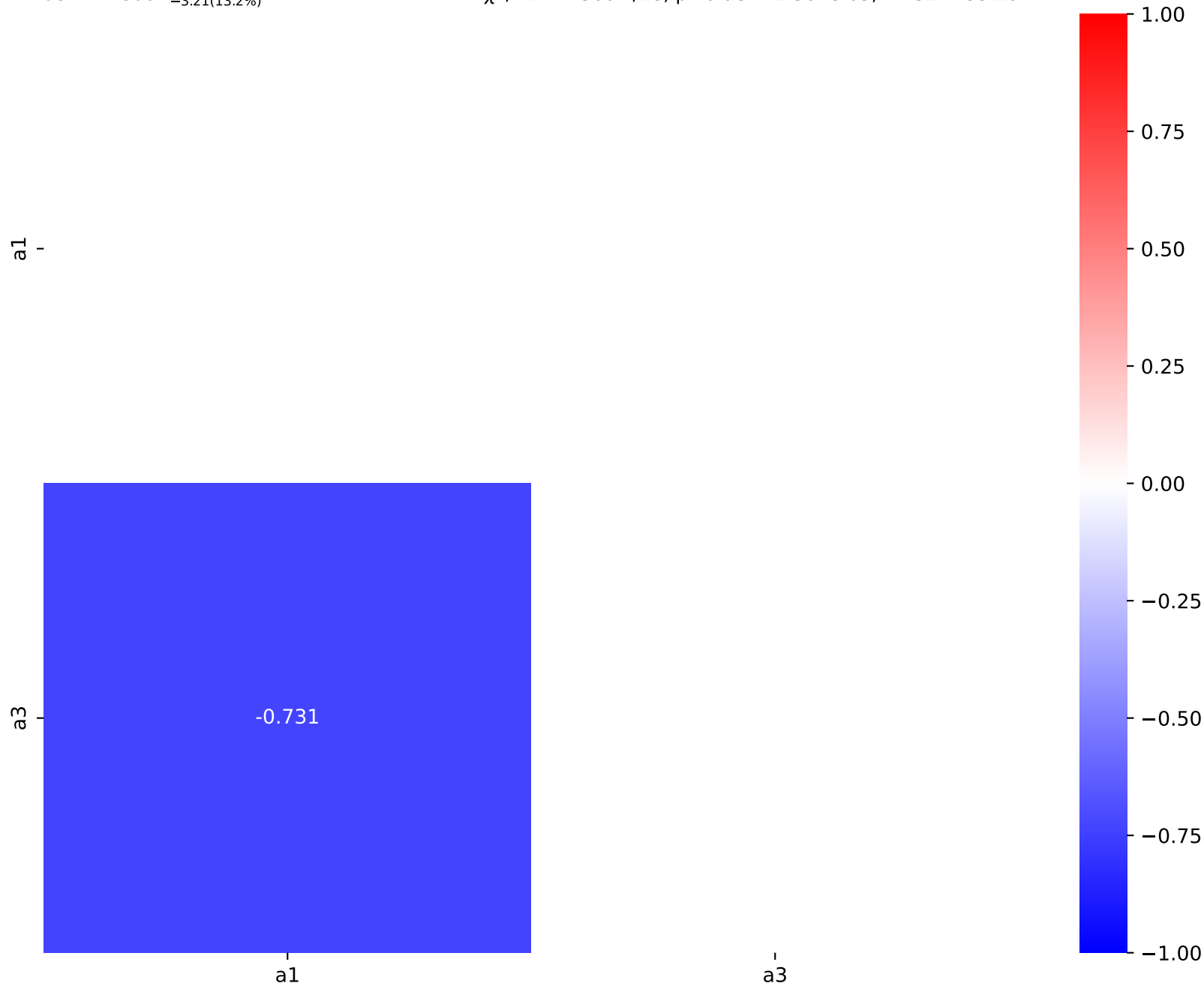
$$164.796 \cdot (a_2 + a_3 \cdot ((x_0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(((x_0 - 12.5) \cdot 0.00210526) \cdot (a_1 + ((x_0 - 12.5) \cdot 0.00210526))))$$

$$a_1 = -4.14994^{+0.171(4.12\%)}_{-0.171(4.12\%)}, \quad a_2 = 0.0872,$$

$$a_3 = 24.3991^{+3.21(13.2\%)}_{-3.21(13.2\%)}$$

Candidate #11

$$\chi^2/\text{NDF} = 360.7/18, \text{ p-value} = 1.367\text{e-}65, \text{ RMSE} = 99.26$$



Candidate function #10

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

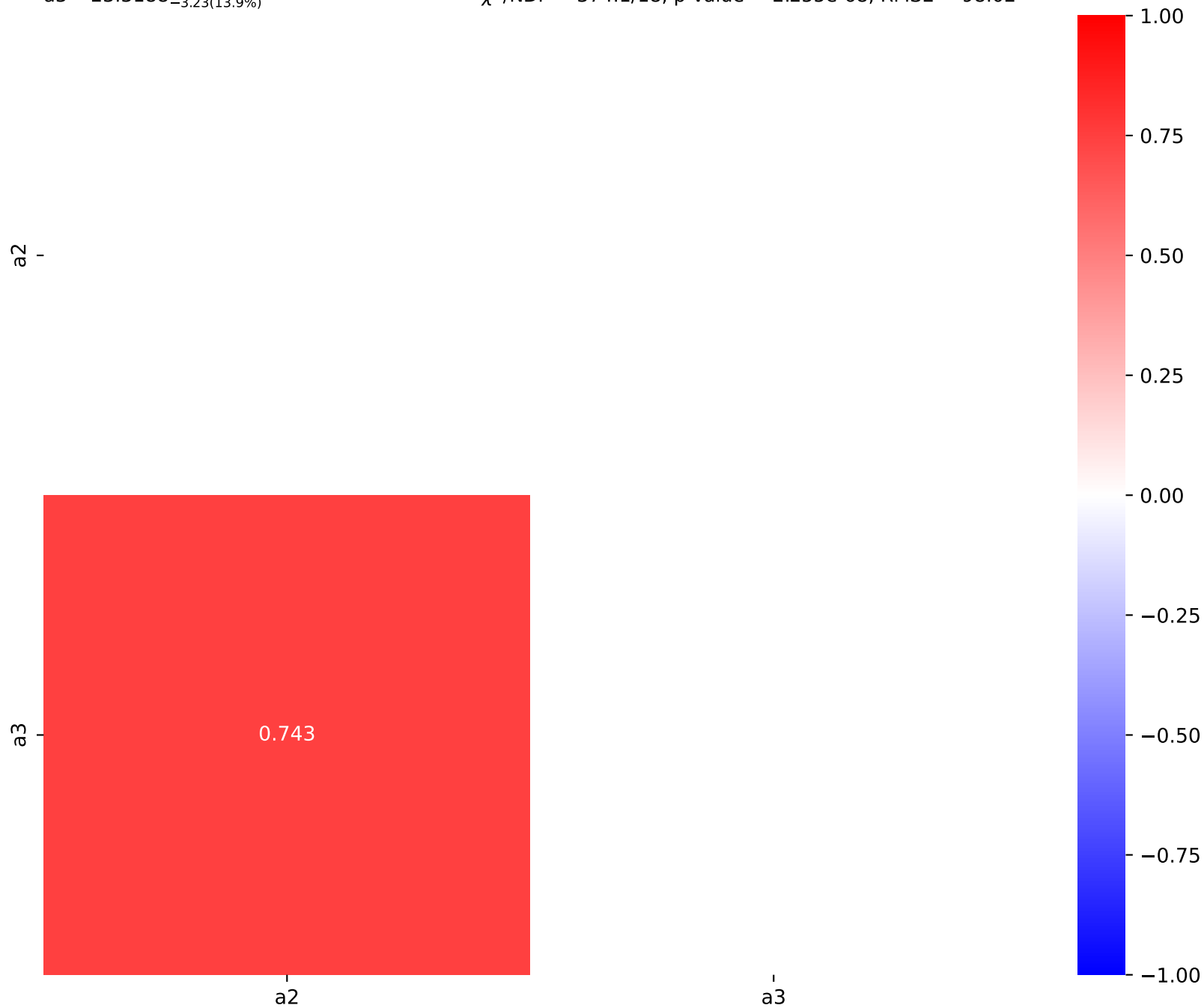
SymbolFit

$$a_1 = 0.101, \quad a_2 = 3.69972^{+0.203(5.49\%)}_{-0.203(5.49\%)},$$

$$a_3 = 23.3188^{+3.23(13.9\%)}_{-3.23(13.9\%)}$$

Candidate #10

$$\chi^2/\text{NDF} = 374.1/18, \text{ p-value} = 2.255\text{e-}68, \text{ RMSE} = 98.02$$



Candidate function #9

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

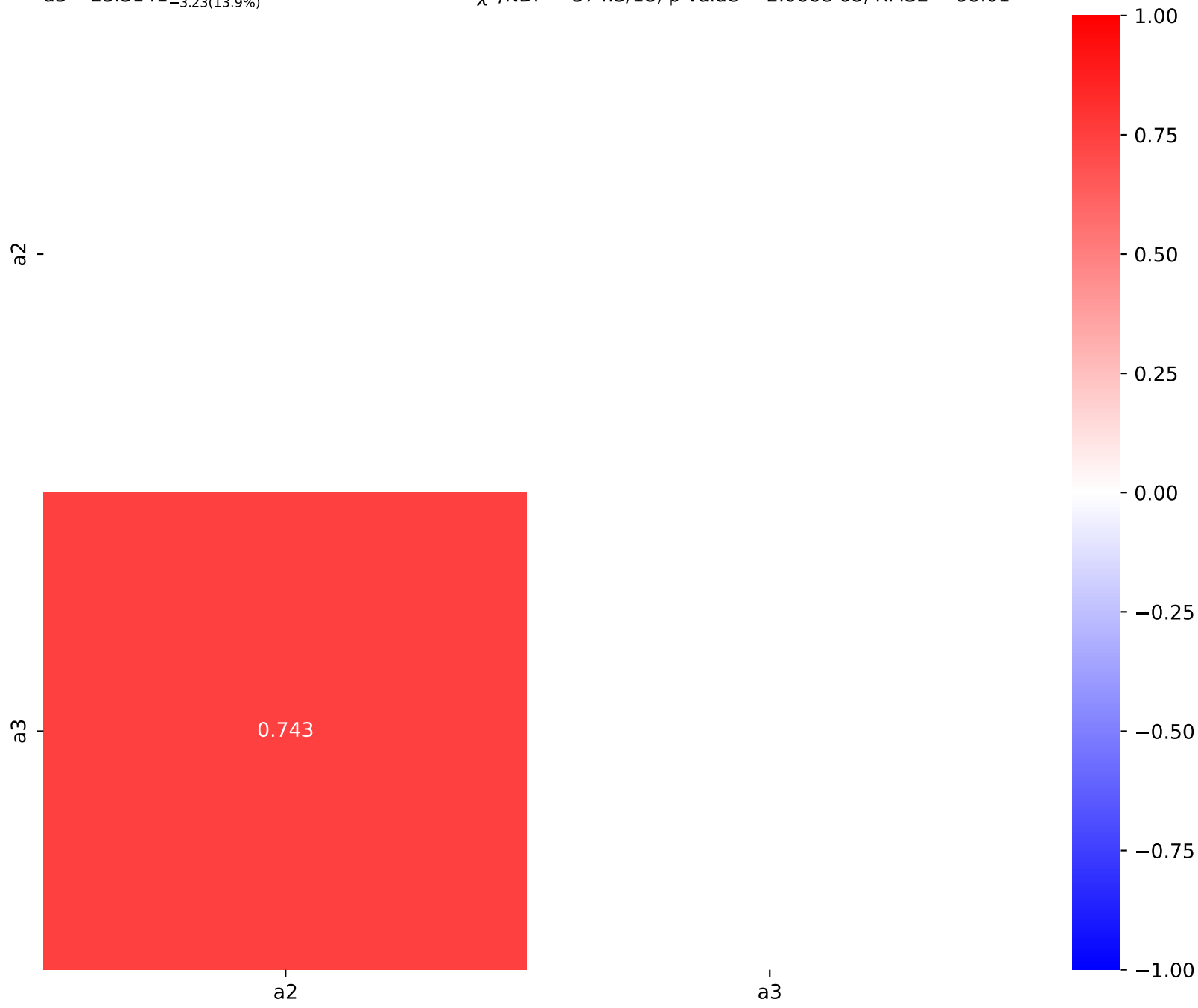
SymbolFit

$$a_1 = 0.101, \quad a_2 = 3.74294^{+0.201(5.37\%)}_{-0.201(5.37\%)},$$

$$a_3 = 23.3141^{+3.23(13.9\%)}_{-3.23(13.9\%)}$$

Candidate #9

$$\chi^2/\text{NDF} = 374.3/18, \text{ p-value} = 2.066\text{e-}68, \text{ RMSE} = 98.01$$



Candidate function #8

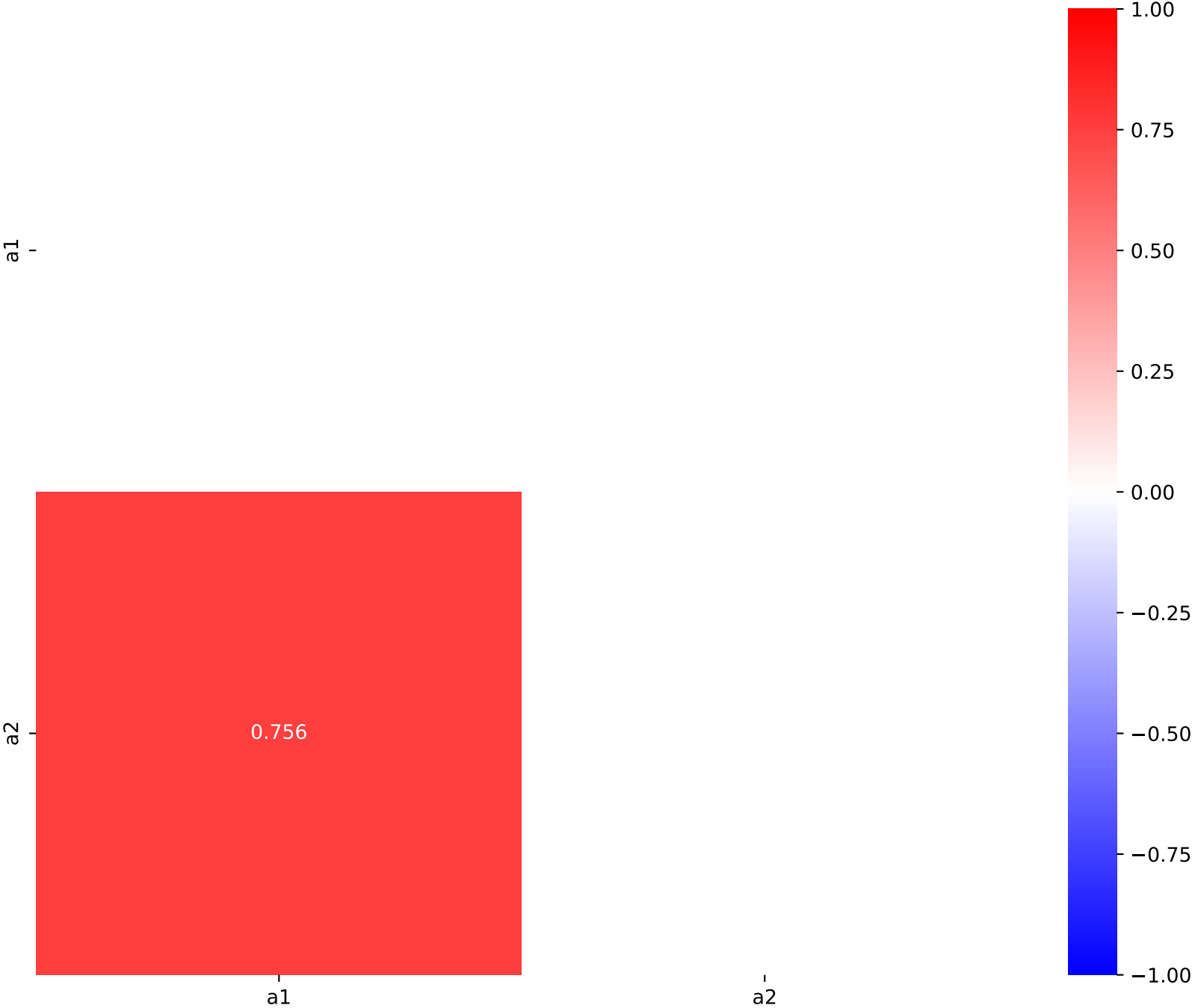
$$164.796 \cdot (a_2 \cdot \text{gauss}(a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526)) \cdot \tanh(((x_0 - 12.5) \cdot 0.00210526)))$$

SymbolFit

$$a_1 = 3.54742^{+0.212(5.98\%)}_{-0.212(5.98\%)}, \quad a_2 = 23.0587^{+3.57(15.5\%)}_{-3.57(15.5\%)}$$

Candidate #8

$$\chi^2/\text{NDF} = 515.6/18, \text{ p-value} = 5.5789999999999964\text{e-}98, \text{ RMSE} = 101.1$$



Candidate function #7

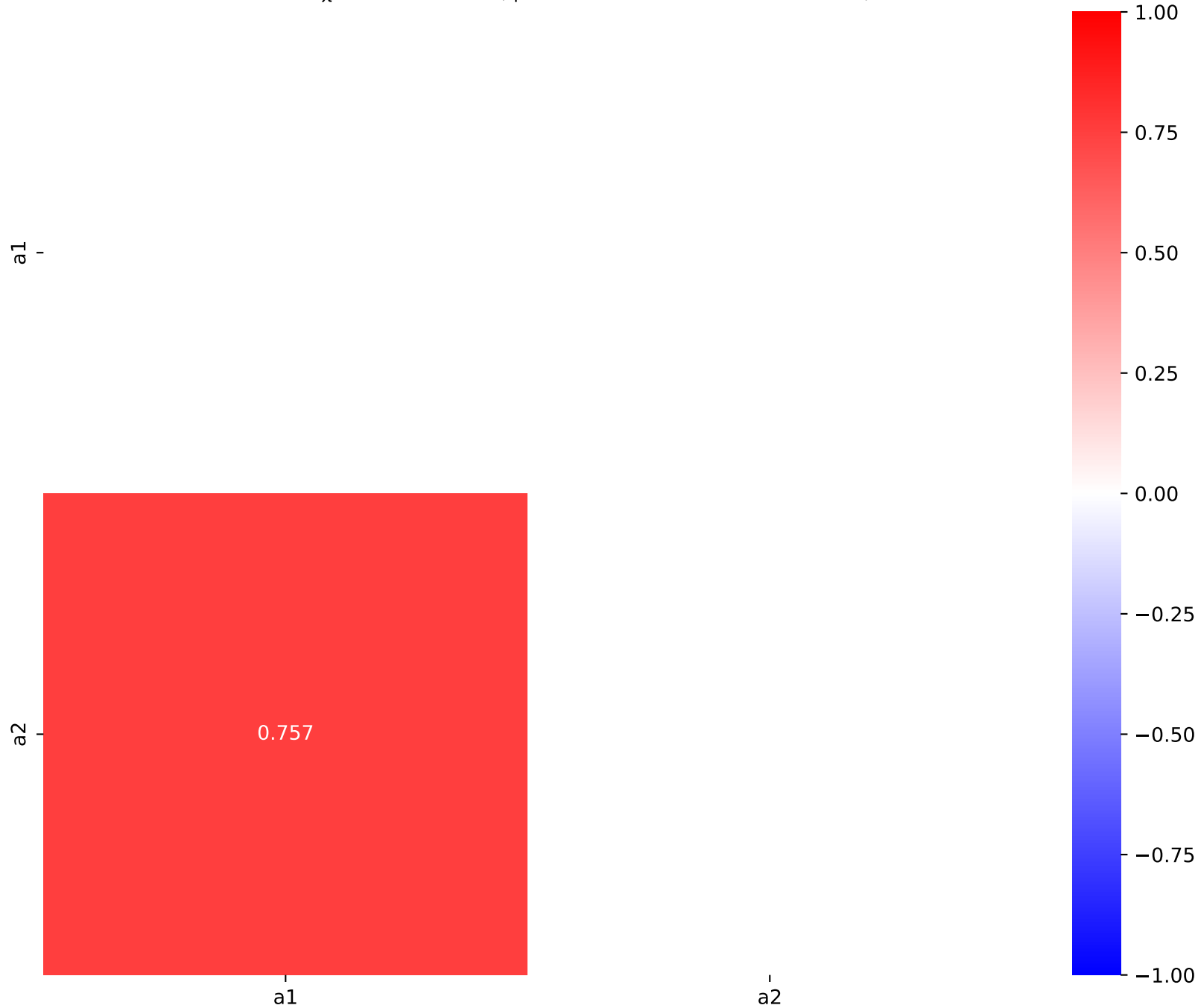
$$164.796 \cdot (a2 \cdot ((x0 - 12.5) \cdot 0.00210526) \cdot \text{gauss}(a1 \cdot ((x0 - 12.5) \cdot 0.00210526)))$$

SymbolFit

$$a1 = 3.59295^{+0.209(5.82\%)}_{-0.209(5.82\%)}, \quad a2 = 23.0598^{+3.58(15.5\%)}_{-3.58(15.5\%)}$$

Candidate #7

$$\chi^2/\text{NDF} = 516.1/18, \text{ p-value} = 4.308999999999973\text{e-}98, \text{ RMSE} = 101.1$$



Candidate function #6

$164.796 \cdot (a_1 \cdot ((x_0 - 12.5) \cdot 0.00210526)^2 + a_2)$

$a_1 = -0.373, \quad a_2 = 0.42$

$\chi^2/\text{NDF} = 2332.0/20$, p-value = 0.0, RMSE = 235.9

Candidate #6

SymbolFit



Candidate function #5

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

$a_1 = -0.580262^{+0.0879(15.1\%)}_{-0.0879(15.1\%)}, \quad a_2 = 0.664$

$\chi^2/\text{NDF} = 2341.0/19, \text{ p-value} = 0.0, \text{ RMSE} = 236.2$

Candidate #5

SymbolFit



Candidate function #4

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

$a_1 = 0.364$

$\chi^2/\text{NDF} = 2391.0/20$, p-value = 0.0, RMSE = 240.5

Candidate #4

SymbolFit



Candidate function #3

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

$a_1 = 0.281$

Candidate #3
 $\chi^2/\text{NDF} = 2442.0/20$, p-value = 0.0, RMSE = 247.1

SymbolFit



Candidate function #2

$164.796 \cdot (a_1)$

$a_1 = 0.207$

Candidate #2
 $\chi^2/\text{NDF} = 2615.0/20$, p-value = 0.0, RMSE = 252.3

SymbolFit



Candidate function #1

$164.796 \cdot (a_1)$

$a_1 = 0.214$

Candidate #1
 $\chi^2/\text{NDF} = 2616.0/20$, p-value = 0.0, RMSE = 251.7

SymbolFit



Candidate function #0

$164.796 \cdot (a_1)$

$a_1 = 0.217$

Candidate #0
 $\chi^2/\text{NDF} = 2617.0/20$, p-value = 0.0, RMSE = 251.4

SymbolFit

