

Table S1: Parameters of the ANN model.

Input layer weight matrix w_{ij}				Input layer bias vector b_1	Hidden layer weight vector w_2	Output layer bias vector b_2
j = 1	j = 2	j = 3	j = 4			
2.400	1.305	0.602	-1.874	-0.145	-0.450	3.368
-2.242	-1.697	0.920	2.258	-0.206	-2.027	
-1.894	-1.862	0.871	2.410	1.070	0.665	
1.827	0.112	-0.119	-1.022	2.370	0.072	
1.978	-0.133	-0.454	0.219	1.415	0.270	
0.656	-0.569	0.013	0.582	1.091	-1.474	
3.006	1.069	3.958	-1.536	-3.548	0.252	