

Table S1. Means of error and fitting values for AAE, max. AAE, RMSE, RMSE%, r and FI with the rank values and their sums versus number of hidden layers

Number of hidden layers	r	Rank	AAE	Rank	Max. AAE	Rank	RMSE	Rank	RMSE %	Rank	FI	Rank	Σ
3	0.9372	8.000	1.0305	8.000	5.8518	7.948	1.3811	8.000	10.377	8.000	0.873	8.000	47.94
4	0.9476	5.798	0.9144	54.27	5.4297	3.439	1.2420	51.31	9.3326	4.874	0.897	4.874	124.5
5	0.9528	4.194	0.8667	41.63	5.6885	6.203	1.1882	38.27	8.9280	3.749	0.905	3.749	97.80
6	0.9607	1.765	0.7579	12.86	5.3244	2.314	1.0697	9.577	8.0378	1.595	0.921	1.595	29.70
7	0.9604	1.861	0.7697	15.97	5.2014	1.000	1.0787	11.74	8.1051	1.719	0.920	1.719	34.02
8	0.9626	1.160	0.7131	1.000	5.7151	6.488	1.0343	1.000	7.7717	1.069	0.925	1.069	11.78
9	0.9632	1.000	0.7205	2.963	5.3849	2.960	1.0372	1.692	7.7932	1.000	0.926	1.000	10.61
10	0.9605	1.820	0.7494	10.61	5.8567	8.000	1.0760	11.10	8.0852	1.658	0.921	1.658	34.85