

Table S2. 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 neurons

Number of neurons	r	Rank	AAE	Rank	Max. AAE	Rank	RMSE	Rank	RMSE %	Rank	FI	Rank	Σ
10	0.917	8.000	1.178	8.000	6.5534	8.000	1.5794	8.000	11.8678	8.000	0.836	8.000	48.00
20	0.936	5.571	1.023	6.055	6.5123	7.816	1.3793	5.881	10.3639	5.881	0.874	5.460	36.66
30	0.951	3.598	0.883	4.306	5.4514	3.051	1.2018	4.001	9.0302	4.001	0.904	3.521	22.47
40	0.954	3.175	0.843	3.792	5.5074	3.302	1.1572	3.529	8.6950	3.529	0.910	3.121	20.44
50	0.959	2.585	0.786	3.076	5.6767	4.063	1.1069	2.996	8.3170	2.996	0.918	2.593	18.31
60	0.964	1.975	0.729	2.368	5.4556	3.070	1.0364	2.250	7.7874	2.250	0.928	1.958	13.87
70	0.965	1.797	0.708	2.100	5.2476	2.136	1.0183	2.058	7.6512	2.058	0.930	1.836	11.98
80	0.965	1.782	0.711	2.137	5.1075	1.506	1.0205	2.082	7.6682	2.082	0.930	1.808	11.39
90	0.968	1.380	0.669	1.610	4.9947	1.000	0.9659	1.503	7.2575	1.503	0.937	1.377	8.373
100	0.971	1.000	0.620	1.000	5.0593	1.290	0.9184	1.000	6.9006	1.000	0.943	1.000	6.290