

Single Classification														
Network	Training Function	Performance Function	Training Goal	Activation Function	Input	Percentage Crysis (0-100)	Specificity	Sensibility	True Positives	True Negatives	False Positives	False Negatives	Invalid Data	
Radial Basis Network	-	-	0.01	-	44202.mat	30	0.90435	0.89412	912	228070	24123	108	0	
FeedForward	traingd	mse	1.00E-006	-	44202.mat	30	0.9983	0.6941	540	244948	418	238	7069	
FeedForward	trainrp	mse	1.00E-006	-	44202.mat	30	0.71264	0.58589	382	165450	66715	270	20399	
FeedForward	trainscg	mse	1.00E-006	-	44202.mat	30	0.52643	0.4517	318	130110	117050	386	5347	
Layer Recurrent Network	traingd	mse	1.00E-006	-	44202.mat	30	0.99838	0.65019	513	247390	401	276	4629	
Layer Recurrent Network	trainrp	mse	1.00E-006	-	44202.mat	30	0.59739	0.93988	938	131920	88905	60	31395	
Layer Recurrent Network	trainscg	mse	1.00E-006	-	44202.mat	30	0.72719	0.53726	483	181540	68104	416	2672	
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	30	0.97158	0.31167	283	244780	7160	625	366	
Distributed Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	30	0.99996	0	0	251320	10	844	1042	
Distributed Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	30	0.032357	0.99132	571	63	1884	5	250690	
Distributed Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	30	0.9998	0.64082	628	252120	50	352	63	
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	30	0.24644	0.90496	438	519	1587	46	250620	
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	30	0.85077	0.014417	11	26800	4701	752	220950	
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	30	0.97712	0.75179	733	245950	5759	242	532	
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	30	0.85839	0.86032	850	210950	34800	138	6475	
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	30	0.96431	0.80588	822	243190	9000	198	5	
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	30	0.95819	0.93695	743	106580	4651	50	141190	
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.98956	0.82745	844	249530	2632	176	30	
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.95782	0.81662	806	235740	10382	181	6099	
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	30	0	1	1020	0	252190	0	4	
FF Input Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	30	0.99999	0	0	251610	3	806	795	
FF Input Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	30	0	1	1020	0	252190	0	3	
FF Input Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	30	0.99985	0.0088583	9	252150	38	1007	12	
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	30	0.33333	NaN	0	1	2	0	253210	
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	30	0.84057	0.45919	422	183180	34744	497	34374	
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	30	0.54028	0.92436	941	135100	114950	77	2145	
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	30	0.96455	0.73994	717	240850	8852	252	2543	
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	30	3.9653E-006	1	1020	1	252180	0	8	
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	30	0.64662	0.28173	273	143430	78386	696	30425	
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.98856	0.80157	816	249090	2882	202	223	
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.97302	0.81176	828	245280	6801	192	114	
Radial Basis Network	-	-	0.01	-	63502.mat	30	0.8545	0.60077	471	37563	0.6396	313	0	
FeedForward	traingd	mse	1.00E-006	-	63502.mat	30	0.16702	0.80171	562	6949	34657	139	2436	
FeedForward	trainrp	mse	1.00E-006	-	63502.mat	30	0.075925	0.91623	700	3230	39312	64	1437	
FeedForward	trainscg	mse	1.00E-006	-	63502.mat	30	0.13376	0.84575	647	5800	37561	118	617	
Layer Recurrent Network	traingd	mse	1.00E-006	-	63502.mat	30	0.9745	0.40426	228	25718	673	336	17788	
Layer Recurrent Network	trainrp	mse	1.00E-006	-	63502.mat	30	0.84122	0.6255	466	34581	6527	279	2890	
Layer Recurrent Network	trainscg	mse	1.00E-006	-	63502.mat	30	0.13369	0.82252	621	5774	37415	134	799	
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	30	0.92128	0.14849	113	39906	3410	648	666	
Distributed Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	30	1	0	0	43331	0	767	645	
Distributed Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	30	0.92982	0.2	4	53	4	16	44666	
Distributed Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	30	0.99024	0.28329	217	43040	424	549	513	
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	30	0.30544	0.65116	56	606	1378	30	42673	
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	30	0.4044	0.51923	27	294	433	25	43964	
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	30	0.39889	0.81127	619	16601	25017	144	2362	
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	30	0.44028	0.78858	373	5113	6500	100	32657	
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	30	0.89419	0.27331	214	39288	4649	569	23	
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	30	0.95521	0.72727	64	1578	74	24	43003	
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.28793	0.86154	672	12634	31245	108	84	
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.89904	0.55513	433	39335	4417	347	211	
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	30	0	1	783	0	43873	0	87	
FF Input Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	30	0.99883	0.0012788	1	43597	51	781	313	

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FF Input Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	30	0	1	783	0	43869	0	91
FF Input Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	30	0.99982	0	0	43696	8	782	257
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	30	0	NaN	0	0	29	0	44714
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	30	0.97533	0.44609	211	16765	424	262	27081
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	30	0.8626	0.49352	381	37814	6023	391	134
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	30	0.93247	0.50787	387	40268	2916	375	797
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	30	0.00041059	0.99872	783	18	43821	1	120
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	30	0.14958	0.74733	559	6504	36978	189	513
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.93658	0.56923	444	41027	2778	336	158
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.91445	0.58748	460	40086	3750	323	124
Radial Basis Network	-	-	0.01	-	44202.mat	70	0.81983	0.86485	1779	469860	103260	278	0
FeedForward	traingd	mse	1.00E-006	-	44202.mat	70	0.99579	0.62286	981	552090	2332	594	19186
FeedForward	trainrp	mse	1.00E-006	-	44202.mat	70	0.73171	0.66667	880	373980	137120	440	62758
FeedForward	trainscg	mse	1.00E-006	-	44202.mat	70	0.61209	0.42269	626	341740	216580	855	15370
Layer Recurrent Network	traingd	mse	1.00E-006	-	44202.mat	70	0.99808	0.53275	797	561210	1082	699	11392
Layer Recurrent Network	trainrp	mse	1.00E-006	-	44202.mat	70	0.53298	0.90189	1811	272070	238390	197	62709
Layer Recurrent Network	trainscg	mse	1.00E-006	-	44202.mat	70	0.78069	0.54077	975	442660	124350	828	6367
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	70	0.96116	0.27684	508	550100	22227	1327	1017
Distributed Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	70	0.99997	0	0	570980	17	1682	2499
Distributed Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	70	0.10408	0.99535	1070	523	4502	5	569080
Distributed Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	70	0.99822	0.57201	1132	571790	1018	847	388
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	70	0.59409	0.87245	814	5506	3762	119	564980
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	70	0.90304	0.029113	43	83733	8990	1434	480980
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	70	0.96727	0.70441	1375	552650	18700	577	1874
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	70	0.75988	0.83425	1661	425370	134420	330	13399
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	70	0.95678	0.74283	1528	548340	24770	529	11
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	70	0.94631	0.90269	1243	206020	11689	134	356090
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.96501	0.77918	1602	552920	20046	454	159
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	70	0.92719	0.78814	1581	520260	40856	425	12052
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	70	0	1	2056	0	573100	0	20
FF Input Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	70	0.99997	0.00060938	1	571740	20	1640	1780
FF Input Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	70	0	1	2056	0	573110	0	15
FF Input Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	70	0.99979	0.010784	22	572980	118	2018	37
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	70	0.14286	NaN	0	1	6	0	575170
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	70	0.86475	0.42701	781	433960	67875	1048	71518
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	70	0.42572	0.91561	1877	242240	326780	173	4115
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	70	0.95354	0.6767	1327	541500	26381	634	5338
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	70	3.4899E-006	1	2056	2	573080	0	38
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	70	0.72495	0.28041	551	374450	142070	1414	56699
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.96479	0.75061	1541	551970	20147	512	1004
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	70	0.93586	0.77762	1598	535970	36731	457	426
Radial Basis Network	-	-	0.01	-	63502.mat	70	0.92369	0.6819	1104	152300	12583	515	0
FeedForward	traingd	mse	1.00E-006	-	63502.mat	70	0.15113	0.77181	1035	23576	132420	306	9169
FeedForward	trainrp	mse	1.00E-006	-	63502.mat	70	0.084882	0.8862	1355	13604	146670	174	4707
FeedForward	trainscg	mse	1.00E-006	-	63502.mat	70	0.11763	0.77742	1205	19171	143810	345	1976
Layer Recurrent Network	traingd	mse	1.00E-006	-	63502.mat	70	0.95021	0.44072	539	78758	4127	684	82397
Layer Recurrent Network	trainrp	mse	1.00E-006	-	63502.mat	70	0.82031	0.69086	1066	116360	25490	477	23108
Layer Recurrent Network	trainscg	mse	1.00E-006	-	63502.mat	70	0.11259	0.7911	1155	18284	144110	305	2656
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	70	0.94101	0.21886	325	153110	9598	1160	2312
Distributed Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	70	1	0	0	162790	0	1538	2177
Distributed Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	70	0.85484	0.12821	15	106	18	102	166260
Distributed Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	70	0.99243	0.30932	481	160120	1222	1074	3610
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	70	0.27791	0.6	213	1618	4204	142	160330

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Distributed Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	70	0.49863	0.52941	54	1278	1285	48	163840
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	70	0.34078	0.77577	1204	54113	104680	348	6162
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	70	0.39016	0.6297	687	15856	24784	404	124770
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	70	0.92002	0.35003	566	151630	13182	1051	78
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	70	0.97282	0.705	141	6228	174	59	159900
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.285	0.79143	1275	46923	117720	336	253
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.93331	0.66022	1059	153350	10957	545	598
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	70	0	1	1618	0	164320	0	572
FF Input Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	70	0.99922	0.00062112	1	163460	127	1609	1313
FF Input Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	70	0	1	1618	0	164550	0	337
FF Input Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	70	0.99987	0	0	163740	22	1611	1130
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	70	0	NaN	0	0	78	0	166430
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	70	0.98002	0.37342	413	55781	1137	693	108480
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	70	0.89335	0.57479	903	146980	17546	668	413
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	70	0.94848	0.61946	936	154280	8380	575	2337
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	70	0.00028019	0.99938	1617	46	164130	1	711
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	70	0.1287	0.66149	1022	20971	141970	523	2017
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.96347	0.6433	1037	158580	6012	575	301
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.95265	0.6778	1096	156790	7792	521	311
Radial Basis Network	-	-	0.01	-	44202.mat	50	0.8186	0.87699	1376	444170	98430	193	0
FeedForward	traingd	mse	1.00E-006	-	44202.mat	50	0.99582	0.63427	770	522480	2194	444	18287
FeedForward	trainrp	mse	1.00E-006	-	44202.mat	50	0.73563	0.63422	645	356110	127980	372	59061
FeedForward	trainscg	mse	1.00E-006	-	44202.mat	50	0.61273	0.43531	498	323900	204720	646	14406
Layer Recurrent Network	traingd	mse	1.00E-006	-	44202.mat	50	0.99804	0.54507	641	531250	1041	535	10708
Layer Recurrent Network	trainrp	mse	1.00E-006	-	44202.mat	50	0.53091	0.90844	1389	256230	226390	140	60027
Layer Recurrent Network	trainscg	mse	1.00E-006	-	44202.mat	50	0.78276	0.53913	744	420200	116620	636	5972
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	50	0.96142	0.26572	376	520930	20904	1039	923
Distributed Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	50	0.99997	0	0	540560	17	1276	2322
Distributed Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	50	0.096633	0.99392	817	465	4347	5	538540
Distributed Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	50	0.99826	0.58898	887	541360	944	619	365
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	50	0.58117	0.86809	612	5044	3635	93	534790
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	50	0.90433	0.01426	16	79641	8425	1106	454980
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	50	0.96709	0.72174	1079	523150	17802	416	1728
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	50	0.75764	0.84252	1284	401910	128570	240	12168
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	50	0.95676	0.74251	1165	519130	23464	404	11
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	50	0.94557	0.91423	1002	193850	11159	94	338070
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.9645	0.7889	1237	523200	19255	331	150
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.92661	0.80812	1234	492260	38987	293	11392
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	50	0	1	1568	0	542590	0	15
FF Input Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	50	0.99997	0.00081433	1	541280	14	1227	1651
FF Input Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	50	0	1	1568	0	542590	0	11
FF Input Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	50	0.9998	0.010918	17	542480	106	1540	32
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	50	0.16667	NaN	0	1	5	0	544160
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	50	0.86491	0.44173	614	410500	64116	776	68166
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	50	0.42529	0.91443	1432	229110	309610	134	3880
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	50	0.95364	0.68825	1031	512700	24922	467	5048
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	50	1.8431E-006	1	1568	1	542570	0	31
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	50	0.7263	0.27505	409	354870	133730	1078	54085
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.96442	0.7655	1198	522380	19273	367	955
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.93508	0.79196	1241	507000	35201	326	401
Radial Basis Network	-	-	0.01	-	63502.mat	50	0.90908	0.68407	747	103280	10330	345	0
FeedForward	traingd	mse	1.00E-006	-	63502.mat	50	0.17118	0.78733	733	18273	88474	198	7026
FeedForward	trainrp	mse	1.00E-006	-	63502.mat	50	0.094781	0.90221	941	10438	99689	102	3534

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FeedForward	trainscg	mse	1.00E-006	-	63502.mat	50	0.12901	0.80971	851	14477	97739	200	1437
Layer Recurrent Network	traingd	mse	1.00E-006	-	63502.mat	50	0.95848	0.44645	371	61825	2678	460	49370
Layer Recurrent Network	trainrp	mse	1.00E-006	-	63502.mat	50	0.83257	0.68541	719	84592	17011	330	12052
Layer Recurrent Network	trainscg	mse	1.00E-006	-	63502.mat	50	0.12469	0.79412	810	13924	97745	210	2015
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	50	0.9353	0.1902	194	104660	7240	826	1782
Distributed Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	50	1	0	0	112000	0	1047	1659
Distributed Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	50	0.87379	0.11864	7	90	13	52	114540
Distributed Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	50	0.99036	0.3283	348	110600	1077	712	1971
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	50	0.27578	0.62245	122	1230	3230	74	110050
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	50	0.43457	0.51316	39	870	1132	37	112630
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	50	0.39432	0.79468	836	42894	65886	216	4872
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	50	0.39054	0.71003	524	12304	19201	214	82461
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	50	0.91155	0.32202	351	103520	10044	739	52
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	50	0.96949	0.71429	100	4926	155	40	109480
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.32022	0.81985	892	36322	77107	196	187
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.92473	0.65161	707	104650	8519	378	447
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	50	0	1	1091	0	113090	0	526
FF Input Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	50	0.99908	0.00091996	1	112470	104	1086	1040
FF Input Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	50	0	1	1091	0	113340	0	275
FF Input Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	50	0.99987	0	0	112700	15	1087	907
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	50	0	NaN	0	0	57	0	114650
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	50	0.97746	0.417	309	43807	1010	432	69146
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	50	0.88178	0.56792	602	99930	13398	458	316
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	50	0.93928	0.59961	614	105170	6799	410	1708
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	50	0.0003363	0.99908	1090	38	112960	1	618
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	50	0.14145	0.68816	715	15871	96330	324	1464
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.95605	0.63477	690	108380	4982	397	253
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.94371	0.66269	723	106990	6382	368	237
Radial Basis Network	-	-	0.01	-	92202.mat	30	0.66287	0.70339	83	82466	41941	35	0
FeedForward	traingd	mse	1.00E-006	-	92202.mat	30	0.99388	0.12844	14	123050	758	95	611
FeedForward	trainrp	mse	1.00E-006	-	92202.mat	30	0.95849	0.42373	50	118770	5144	68	489
FeedForward	trainscg	mse	1.00E-006	-	92202.mat	30	0.9557	0.39474	45	117980	5468	69	966
Layer Recurrent Network	traingd	mse	1.00E-006	-	92202.mat	30	0.99902	0.11504	13	124080	122	100	212
Layer Recurrent Network	trainrp	mse	1.00E-006	-	92202.mat	30	0.92882	0.47788	54	111170	8520	59	4723
Layer Recurrent Network	trainscg	mse	1.00E-006	-	92202.mat	30	0.97243	0.40517	47	120350	3412	69	650
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	92202.mat	30	0.99395	0	0	123600	752	118	50
Distributed Time Delay	traingd	mse	1.00E-006	purelin	92202.mat	30	0.99998	0	0	124380	2	118	29
Distributed Time Delay	traingd	mse	1.00E-006	logsig	92202.mat	30	0.22881	NaN	0	27	91	0	124410
Distributed Time Delay	traingd	mse	1.00E-006	tansig	92202.mat	30	0.99888	0.17094	20	124100	139	97	169
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	92202.mat	30	0.63033	NaN	0	266	156	0	124100
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	92202.mat	30	0.99395	0.044944	4	121800	741	85	1898
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	92202.mat	30	0.9097	0.23684	27	112430	11160	87	818
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	92202.mat	30	0.86337	0.52137	61	106620	16872	56	917
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	92202.mat	30	0.54792	0.61864	73	68163	56241	45	3
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	92202.mat	30	0.99437	0.035398	4	122140	691	109	1584
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	92202.mat	30	0.96302	0.36441	43	119790	4600	75	20
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	92202.mat	30	0.97116	0.35652	41	120340	3573	74	500
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	92202.mat	30	0	1	118	0	124400	0	5
FF Input Time Delay	traingd	mse	1.00E-006	purelin	92202.mat	30	0.99994	0	0	124390	7	118	6
FF Input Time Delay	traingd	mse	1.00E-006	logsig	92202.mat	30	8.0386E-006	1	118	1	124400	0	8
FF Input Time Delay	traingd	mse	1.00E-006	tansig	92202.mat	30	0.99998	0	0	124390	3	118	13
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	92202.mat	30	NaN	NaN	0	0	0	0	124520
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	92202.mat	30	0.96101	0.15929	18	118860	4823	95	727

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FF Input Time Delay	trainrp	mse	1.00E-006	logsig	92202.mat	30	0.88444	0.43103	50	108940	14234	66	1240
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	92202.mat	30	0.80212	0.38596	44	95443	23546	70	5422
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	92202.mat	30	8.0386E-006	1	118	1	124400	0	8
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	92202.mat	30	0.98527	0.15455	17	122040	1825	93	552
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	92202.mat	30	0.9508	0.44444	52	117940	6103	65	360
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	92202.mat	30	0.96045	0.44915	53	119400	4917	65	86

Group Classification													
Network	Training Function	Performance Function	Training Goal	Activation Function	Input	Percentage Crysis (0-100)	Specificity	Sensibility	True Positives	True Negatives	False Positives	False Negatives	Invalid Data
Radial Basis Network	-	-	0.01	-	44202.mat	30	0.94627	0.89541	916	2.39E+05	13549	107	0
FeedForward	traingd	mse	1.00E-006	-	44202.mat	30	0.99996	0.58939	600	252140	11	418	30
FeedForward	trainrp	mse	1.00E-006	-	44202.mat	30	0.83471	0.34344	351	210460	41674	671	48
FeedForward	trainscg	mse	1.00E-006	-	44202.mat	30	0.48224	0.30596	313	121610	130570	710	0
Layer Recurrent Network	traingd	mse	1.00E-006	-	44202.mat	30	0.99989	0.58944	603	252080	28	420	77
Layer Recurrent Network	trainrp	mse	1.00E-006	-	44202.mat	30	0.71533	0.93157	953	180390	71787	70	0
Layer Recurrent Network	trainscg	mse	1.00E-006	-	44202.mat	30	0.79702	0.49365	505	200990	51188	518	0
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	30	0.99071	0.29717	304	249840	2342	719	0
Distributed Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	30	1	0	0	252180	0	1023	0
Distributed Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	30	0.97408	0.74052	625	12478	332	219	239550
Distributed Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	30	0.99997	0.64809	663	252170	7	360	0
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	30	0.97967	0.56706	482	13832	287	368	238230
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	30	0.99963	0	0	143160	53	986	109000
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	30	0.9899	0.79374	812	249630	2548	211	0
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	30	0.92567	0.88172	902	233440	18745	121	0
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	30	0.98036	0.84164	861	247230	4953	162	0
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	30	0.99022	0.7598	775	243400	2404	245	6380
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.99892	0.85239	872	251910	273	151	0
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.99209	0.8348	854	250180	1995	169	0
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	30	0	1	1023	0	252180	0	0
FF Input Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	30	1	0	0	252180	0	1020	3
FF Input Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	30	0	1	1023	0	252180	0	0
FF Input Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	30	1	0	0	252180	0	1023	0
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	30	1	NaN	0	30	0	0	253170
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	30	0.96717	0.45455	465	243900	8280	558	0
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	30	0.51044	0.95797	980	128720	123460	43	0
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	30	0.985	0.69697	713	248400	3782	310	0
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	30	0	1	1023	0	252180	0	0
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	30	0.74658	0.22483	230	188270	63907	793	0
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.99833	0.83871	858	251760	421	165	0
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.99301	0.84457	864	250420	1763	159	0
Radial Basis Network	-	-	0.01	-	63502.mat	30	0.93383	0.60178	473	41039	2908	313	0
FeedForward	traingd	mse	1.00E-006	-	63502.mat	30	0.14208	0.83933	653	6244	37703	125	8
FeedForward	trainrp	mse	1.00E-006	-	63502.mat	30	0.019683	0.9313	732	865	43082	54	0
FeedForward	trainscg	mse	1.00E-006	-	63502.mat	30	0.093772	0.90712	713	4121	39826	73	0
Layer Recurrent Network	traingd	mse	1.00E-006	-	63502.mat	30	0.99993	0.32398	254	42512	3	530	1434
Layer Recurrent Network	trainrp	mse	1.00E-006	-	63502.mat	30	0.9103	0.60305	474	40005	3942	312	0
Layer Recurrent Network	trainscg	mse	1.00E-006	-	63502.mat	30	0.092043	0.90712	713	4045	39902	73	0
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	30	0.95772	0.11196	88	42089	1858	698	0
Distributed Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	30	1	0	0	43947	0	786	0
Distributed Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	30	1	0	0	557	0	81	44095
Distributed Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	30	0.99993	0.30025	236	43944	3	550	0
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	30	0.94877	0.25	56	8185	442	168	35882
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	30	1	0.0065147	2	6439	0	305	37987
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	30	0.34291	0.86641	681	15070	28877	105	0
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	30	0.9002	0.70625	452	26565	2945	188	14583
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	30	0.94748	0.23028	181	41639	2308	605	0
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	30	1	0.081841	32	12146	0	359	32196
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.21992	0.89695	705	9665	34282	81	0
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.94441	0.55725	438	41504	2443	348	0
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	30	0	1	786	0	43947	0	0
FF Input Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	30	0.99993	0	0	43944	3	786	0

Group Classification

FF Input Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	30	0	1	786	0	43947	0	0
FF Input Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	30	1	0	0	43947	0	786	0
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	30	1	NaN	0	274	0	0	44459
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	30	0.99997	0.37054	249	35103	1	423	8957
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	30	0.88868	0.50254	395	39055	4892	391	0
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	30	0.98751	0.51145	402	43398	549	384	0
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	30	0.000045509	1	786	2	43945	0	0
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	30	0.10165	0.79771	627	4467	39480	159	0
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.99315	0.58779	462	43646	301	324	0
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.983	0.58906	463	43200	747	323	0
Radial Basis Network	-	-	0.01	-	44202.mat	70	0.84675	0.87234	1804	485270	87827	264	0
FeedForward	traingd	mse	1.00E-006	-	44202.mat	70	0.99995	0.51963	1072	572830	28	991	246
FeedForward	trainrp	mse	1.00E-006	-	44202.mat	70	0.86062	0.45138	933	493130	79864	1134	111
FeedForward	trainscg	mse	1.00E-006	-	44202.mat	70	0.61587	0.31004	639	352950	220150	1422	8
Layer Recurrent Network	traingd	mse	1.00E-006	-	44202.mat	70	0.99992	0.44477	910	572930	45	1136	152
Layer Recurrent Network	trainrp	mse	1.00E-006	-	44202.mat	70	0.60177	0.89845	1858	344870	228230	210	0
Layer Recurrent Network	trainscg	mse	1.00E-006	-	44202.mat	70	0.84951	0.49855	1031	486860	86243	1037	0
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	70	0.9883	0.24141	499	566400	6704	1568	1
Distributed Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	70	1	0	0	573100	0	2068	2
Distributed Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	70	0.97496	0.74239	1170	32551	836	406	540210
Distributed Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	70	0.99997	0.58075	1201	573080	19	867	0
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	70	0.99147	0.54823	898	62773	540	740	510220
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	70	0.99926	0.010065	20	369470	275	1967	203440
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	70	0.98901	0.73211	1514	566800	6296	554	0
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	70	0.80036	0.85397	1766	458690	114410	302	0
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	70	0.97753	0.76257	1577	560220	12878	491	0
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	70	0.99128	0.65942	1334	533050	4688	689	35404
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.98512	0.79932	1653	564570	8527	415	0
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	70	0.96616	0.80948	1674	553710	19393	394	0
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	70	0	1	2068	0	573100	0	0
FF Input Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	70	1	0	0	573100	0	2061	9
FF Input Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	70	0	1	2068	0	573100	0	0
FF Input Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	70	1	0	0	573100	0	2068	0
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	70	1	NaN	0	70	0	0	575100
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	70	0.97071	0.40764	843	556310	16787	1225	0
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	70	0.37045	0.93762	1939	212310	360790	129	0
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	70	0.98047	0.63975	1323	561910	11193	745	0
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	70	0	1	2068	0	573100	0	0
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	70	0.81669	0.25097	519	468050	105060	1549	0
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.98459	0.77176	1596	564270	8833	472	0
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	70	0.96073	0.80077	1656	550590	22507	412	0
Radial Basis Network	-	-	0.01	-	63502.mat	70	0.96651	0.69349	1129	159350	5521	499	0
FeedForward	traingd	mse	1.00E-006	-	63502.mat	70	0.13473	0.73193	1185	22165	142350	434	359
FeedForward	trainrp	mse	1.00E-006	-	63502.mat	70	0.033036	0.89373	1455	5435	159080	173	350
FeedForward	trainscg	mse	1.00E-006	-	63502.mat	70	0.078233	0.81572	1328	12898	151970	300	0
Layer Recurrent Network	traingd	mse	1.00E-006	-	63502.mat	70	0.99932	0.37028	598	150140	102	1017	14643
Layer Recurrent Network	trainrp	mse	1.00E-006	-	63502.mat	70	0.92841	0.6984	1137	153060	11802	491	2
Layer Recurrent Network	trainscg	mse	1.00E-006	-	63502.mat	70	0.072649	0.80344	1308	11952	152570	320	350
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	70	0.9681	0.15418	251	159270	5248	1377	350
Distributed Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	70	1	0	0	164520	0	1628	350
Distributed Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	70	1	0.007177	3	1196	0	415	164880
Distributed Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	70	0.99985	0.32248	525	164840	24	1103	0
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	70	0.92809	0.21447	166	22405	1736	608	141580

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Distributed Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	70	0.99939	0.0030675	2	21324	13	650	144510
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	70	0.29517	0.81634	1329	48561	115960	299	350
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	70	0.8541	0.5607	799	85025	14524	626	65521
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	70	0.9602	0.35627	580	158310	6562	1048	0
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	70	1	0.07304	68	41950	0	863	123610
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.23148	0.83292	1356	38164	126700	272	0
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.96391	0.66892	1089	158920	5950	539	0
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	70	0.0002127	1	1628	35	164520	0	317
FF Input Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	70	0.99994	0	0	164510	10	1628	350
FF Input Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	70	0.00038214	1	1628	63	164800	0	5
FF Input Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	70	1	0	0	164520	0	1628	349
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	70	1	NaN	0	735	0	0	165760
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	70	0.99983	0.31503	459	115040	20	998	49982
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	70	0.91846	0.59214	964	151420	13443	664	0
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	70	0.98783	0.62007	1007	162860	2006	617	4
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	70	0.00020057	1	1628	33	164500	0	339
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	70	0.085893	0.68428	1114	14161	150710	514	0
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.99594	0.67813	1104	164200	669	524	0
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.99054	0.69287	1128	163310	1559	500	0
Radial Basis Network	-	-	0.01	-	44202.mat	50	0.84295	0.88452	1394	457370	85213	182	0
FeedForward	traingd	mse	1.00E-006	-	44202.mat	50	0.99997	0.53533	841	542330	16	730	239
FeedForward	trainrp	mse	1.00E-006	-	44202.mat	50	0.86618	0.42286	666	469880	72594	909	110
FeedForward	trainscg	mse	1.00E-006	-	44202.mat	50	0.61596	0.32441	509	334210	208370	1060	7
Layer Recurrent Network	traingd	mse	1.00E-006	-	44202.mat	50	0.99992	0.4701	739	542420	44	833	124
Layer Recurrent Network	trainrp	mse	1.00E-006	-	44202.mat	50	0.59993	0.89975	1418	325520	217070	158	0
Layer Recurrent Network	trainscg	mse	1.00E-006	-	44202.mat	50	0.85254	0.50127	790	462580	80007	786	0
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	50	0.98834	0.23921	377	536260	6329	1199	0
Distributed Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	50	1	0	0	542580	0	1576	2
Distributed Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	50	0.97474	0.73741	893	31030	804	318	511120
Distributed Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	50	0.99999	0.60025	946	542580	7	630	0
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	50	0.99095	0.52657	664	58243	532	597	484120
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	50	0.99925	0	0	349830	263	1514	192550
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	50	0.98887	0.75952	1197	536540	6040	379	0
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	50	0.79602	0.86294	1360	431910	110680	216	0
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	50	0.97752	0.76523	1206	530390	12195	370	0
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	50	0.99114	0.69444	1075	504200	4506	473	33909
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.9844	0.80964	1276	534120	8462	300	0
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.96466	0.83185	1311	523410	19174	265	0
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	44202.mat	50	0	1	1576	0	542580	0	0
FF Input Time Delay	traingd	mse	1.00E-006	purelin	44202.mat	50	1	0	0	542580	0	1569	9
FF Input Time Delay	traingd	mse	1.00E-006	logsig	44202.mat	50	0	1	1576	0	542580	0	0
FF Input Time Delay	traingd	mse	1.00E-006	tansig	44202.mat	50	1	0	0	542580	0	1576	0
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	44202.mat	50	1	NaN	0	60	0	0	544100
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	44202.mat	50	0.97186	0.42576	671	527320	15266	905	0
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	44202.mat	50	0.37159	0.93845	1479	201620	340960	97	0
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	44202.mat	50	0.98044	0.65673	1035	531970	10613	541	0
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	44202.mat	50	0	1	1576	0	542580	0	0
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	44202.mat	50	0.81814	0.23096	364	443910	98674	1212	0
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.98381	0.78617	1239	533800	8783	337	0
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.95888	0.81599	1286	520270	22312	290	0
Radial Basis Network	-	-	0.01	-	63502.mat	50	0.95983	0.69462	762	109030	4563	335	0
FeedForward	traingd	mse	1.00E-006	-	63502.mat	50	0.15639	0.79247	863	17711	95536	226	358
FeedForward	trainrp	mse	1.00E-006	-	63502.mat	50	0.036407	0.8979	985	4123	109120	112	350

Group Classification

FeedForward	trainscg	mse	1.00E-006	-	63502.mat	50	0.085645	0.85141	934	9729	103870	163	0
Layer Recurrent Network	traingd	mse	1.00E-006	-	63502.mat	50	0.99912	0.38356	420	107060	94	675	6447
Layer Recurrent Network	trainrp	mse	1.00E-006	-	63502.mat	50	0.92346	0.68277	749	104900	8694	348	2
Layer Recurrent Network	trainscg	mse	1.00E-006	-	63502.mat	50	0.079905	0.84686	929	9049	104200	168	350
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	50	0.96573	0.13218	145	109370	3881	952	350
Distributed Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	50	1	0	0	113250	0	1097	350
Distributed Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	50	1	0	0	993	0	230	113470
Distributed Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	50	0.99979	0.3464	380	113570	24	717	0
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	50	0.92892	0.22343	103	17133	1311	358	95789
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	50	0.99922	0.0042644	2	16675	13	467	97537
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	50	0.35221	0.835	916	39887	73360	181	350
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	50	0.8409	0.67087	638	62644	11852	313	39247
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	50	0.95679	0.30902	339	108690	4909	758	0
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	50	1	0.086072	55	32385	0	584	81670
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.26839	0.85597	939	30488	83109	158	0
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.96022	0.66454	729	109080	4519	368	0
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	63502.mat	50	0.00030897	1	1097	35	113250	0	317
FF Input Time Delay	traingd	mse	1.00E-006	purelin	63502.mat	50	0.99991	0	0	113240	10	1097	350
FF Input Time Delay	traingd	mse	1.00E-006	logsig	63502.mat	50	0.00055462	1	1097	63	113530	0	5
FF Input Time Delay	traingd	mse	1.00E-006	tansig	63502.mat	50	1	0	0	113250	0	1097	349
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	63502.mat	50	1	NaN	0	534	0	0	114160
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	63502.mat	50	0.99977	0.36012	354	85806	20	629	27885
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	63502.mat	50	0.90952	0.57612	632	103320	10278	465	0
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	63502.mat	50	0.98509	0.58371	638	111900	1694	455	4
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	63502.mat	50	0.00029137	1	1097	33	113230	0	339
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	63502.mat	50	0.093929	0.72288	793	10670	102930	304	0
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.99467	0.66363	728	112990	606	369	0
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.98894	0.67001	735	112340	1256	362	0
Radial Basis Network	-	-	0.01	-	92202.mat	30	0.74893	0.86992	107	93161	31231	16	0
FeedForward	traingd	mse	1.00E-006	-	92202.mat	30	0.99919	0	0	124220	101	123	72
FeedForward	trainrp	mse	1.00E-006	-	92202.mat	30	0.99249	0.38211	47	123440	934	76	20
FeedForward	trainscg	mse	1.00E-006	-	92202.mat	30	0.99329	0.23577	29	123420	834	94	143
Layer Recurrent Network	traingd	mse	1.00E-006	-	92202.mat	30	0.99967	0	0	124350	41	123	0
Layer Recurrent Network	trainrp	mse	1.00E-006	-	92202.mat	30	0.98592	0.5122	63	122640	1752	60	0
Layer Recurrent Network	trainscg	mse	1.00E-006	-	92202.mat	30	0.9968	0.39024	48	123990	398	75	0
Distributed Time Delay	traingd	mse	1.00E-006	hardlim	92202.mat	30	0.99402	0	0	123650	744	123	0
Distributed Time Delay	traingd	mse	1.00E-006	purelin	92202.mat	30	1	0	0	124390	0	123	0
Distributed Time Delay	traingd	mse	1.00E-006	logsig	92202.mat	30	0.86145	NaN	0	429	69	0	124020
Distributed Time Delay	traingd	mse	1.00E-006	tansig	92202.mat	30	0.99966	0	0	124350	42	123	0
Distributed Time Delay	trainrp	mse	1.00E-006	hardlim	92202.mat	30	0.93607	NaN	0	1713	117	0	122680
Distributed Time Delay	trainrp	mse	1.00E-006	purelin	92202.mat	30	0.99961	0	0	124340	49	123	7
Distributed Time Delay	trainrp	mse	1.00E-006	logsig	92202.mat	30	0.95647	0.056911	7	118980	5415	116	0
Distributed Time Delay	trainrp	mse	1.00E-006	tansig	92202.mat	30	0.95391	0.60976	75	118660	5733	48	0
Distributed Time Delay	trainscg	mse	1.00E-006	hardlim	92202.mat	30	0.49905	0.82927	102	62078	62314	21	0
Distributed Time Delay	trainscg	mse	1.00E-006	purelin	92202.mat	30	0.99947	0	0	123730	66	123	599
Distributed Time Delay	trainscg	mse	1.00E-006	logsig	92202.mat	30	0.99388	0.2439	30	123630	761	93	0
Distributed Time Delay	trainscg	mse	1.00E-006	tansig	92202.mat	30	0.99515	0.18699	23	123790	603	100	0
FF Input Time Delay	traingd	mse	1.00E-006	hardlim	92202.mat	30	0	1	123	0	124390	0	0
FF Input Time Delay	traingd	mse	1.00E-006	purelin	92202.mat	30	0.99994	0	0	124380	8	123	0
FF Input Time Delay	traingd	mse	1.00E-006	logsig	92202.mat	30	0.000048235	1	123	6	124390	0	0
FF Input Time Delay	traingd	mse	1.00E-006	tansig	92202.mat	30	1	0	0	124390	0	123	0
FF Input Time Delay	trainrp	mse	1.00E-006	hardlim	92202.mat	30	NaN	NaN	0	0	0	0	124520
FF Input Time Delay	trainrp	mse	1.00E-006	purelin	92202.mat	30	0.9965	0	0	123960	435	123	0

Group Classification													
FF Input Time Delay	trainrp	mse	1.00E-006	logsig	92202.mat	30	0.94245	0.49593	61	117230	7159	62	0
FF Input Time Delay	trainrp	mse	1.00E-006	tansig	92202.mat	30	0.87987	0.30894	38	107620	14694	85	2076
FF Input Time Delay	trainscg	mse	1.00E-006	hardlim	92202.mat	30	0.000048235	1	123	6	124390	0	0
FF Input Time Delay	trainscg	mse	1.00E-006	purelin	92202.mat	30	0.99895	0	0	124260	131	123	0
FF Input Time Delay	trainscg	mse	1.00E-006	logsig	92202.mat	30	0.99327	0.45528	56	123560	837	67	0
FF Input Time Delay	trainscg	mse	1.00E-006	tansig	92202.mat	30	0.99502	0.4878	60	123770	620	63	0

Single Classification2

Network	Number Neurons	Network	Training Function	Performance Function	Training Goal	Activation Function	Input	Percentage Crysis (0-100)	Specificity	Sensibility	True Positives	True Negatives	False Positives	False Negatives	Invalid Data
Radial Basis Network	3		-	-	0.01	-	44202.mat	30	0.95183	0.82256	1692	545520	27605	365	0
Radial Basis Network	7		-	-	0.01	-	44202.mat	30	0.94967	0.82547	1698	544280	28844	359	0
Radial Basis Network	15		-	-	0.01	-	44202.mat	30	0.95597	0.82304	1693	547890	25236	364	0
Radial Basis Network	3		-	-	0.01	-	44202.mat	50	0.95202	0.83684	1313	516570	26033	256	0
Radial Basis Network	7		-	-	0.01	-	44202.mat	50	0.94976	0.83939	1317	515340	27260	252	0
Radial Basis Network	15		-	-	0.01	-	44202.mat	50	0.95577	0.83748	1314	518600	23997	255	0
Radial Basis Network	3		-	-	0.01	-	44202.mat	70	0.98379	0.85098	868	248110	4087	152	0
Radial Basis Network	7		-	-	0.01	-	44202.mat	70	0.98095	0.85294	870	247390	4804	150	0
Radial Basis Network	15		-	-	0.01	-	44202.mat	70	0.98323	0.85882	876	247960	4230	144	0
Radial Basis Network	3		-	-	0.01	-	63502.mat	30	0.93848	0.67326	1090	154740	10143	529	0
Radial Basis Network	7		-	-	0.01	-	63502.mat	30	0.94503	0.65164	1055	155820	9063	564	0
Radial Basis Network	15		-	-	0.01	-	63502.mat	30	0.94964	0.64978	1052	156580	8304	567	0
Radial Basis Network	3		-	-	0.01	-	63502.mat	50	0.9284	0.65751	718	105480	8135	374	0
Radial Basis Network	7		-	-	0.01	-	63502.mat	50	0.93647	0.64652	706	106390	7218	386	0
Radial Basis Network	15		-	-	0.01	-	63502.mat	50	0.94192	0.64652	706	107010	6599	386	0
Radial Basis Network	3		-	-	0.01	-	63502.mat	70	0.90548	0.54464	427	39804	4155	357	0
Radial Basis Network	7		-	-	0.01	-	63502.mat	70	0.9156	0.53571	420	40249	3710	364	0
Radial Basis Network	15		-	-	0.01	-	44202.mat	70	0.92488	0.54082	424	40657	3302	360	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	44202.mat	30	0.83028	0.66975	1377	475370	97173	679	579
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	44202.mat	30	0.62253	0.76706	1574	354490	214950	478	3686
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	44202.mat	30	0.8515	0.70662	1409	474530	82755	585	15898
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	44202.mat	30	0.74258	0.61921	1257	419760	145520	773	7872
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	44202.mat	30	0.79749	0.52734	1032	449320	114100	925	9800
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	44202.mat	30	0.80607	0.69298	1422	461490	111030	630	601
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	44202.mat	50	0.83186	0.68431	1073	450920	91143	495	542
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	44202.mat	50	0.6242	0.77955	1220	336500	202600	345	3505
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	44202.mat	50	0.85265	0.72164	1094	449780	77730	422	15147
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	44202.mat	50	0.74404	0.62944	975	398180	136980	574	7460
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	44202.mat	50	0.79837	0.53449	798	425740	107520	695	9412
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	44202.mat	50	0.80786	0.7016	1098	437900	104150	467	564
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	44202.mat	70	0.8187	0.6902	704	206230	45669	316	291
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	44202.mat	70	0.57995	0.78193	796	145260	105210	222	1733
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	44202.mat	70	0.8428	0.72177	716	205620	38352	276	8252
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	44202.mat	70	0.70045	0.63284	636	173860	74352	369	3992
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	44202.mat	70	0.75219	0.54912	531	185850	61228	436	5170
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	63502.mat	70	0.78803	0.70854	722	198510	53397	297	283
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	63502.mat	30	0.12819	0.79159	1280	21003	142840	337	1047
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	63502.mat	30	0.14132	0.91579	1479	23267	141380	136	248
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	63502.mat	30	0.20739	0.88329	1385	33277	127180	183	4480
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	63502.mat	30	0.14023	0.80334	1299	23051	141330	318	507
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	63502.mat	30	0.12598	0.78049	1248	20610	142990	351	1309
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	63502.mat	30	0.10999	0.84706	1368	18117	146590	247	180
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	63502.mat	50	0.14121	0.82936	904	15922	96829	186	863
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	63502.mat	50	0.15424	0.92018	1003	17495	95931	87	188
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	63502.mat	50	0.22869	0.89577	954	25213	85039	111	3387
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	63502.mat	50	0.15437	0.84051	917	17478	95742	174	393
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	63502.mat	50	0.13918	0.81961	886	15666	96897	195	1060
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	63502.mat	50	0.12116	0.87787	956	13749	99727	133	139
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	63502.mat	70	0.14686	0.86335	676	6423	37313	107	224
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	63502.mat	70	0.12839	0.92219	723	5633	38242	61	84
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	63502.mat	70	0.20329	0.90944	703	8695	34077	70	1198
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	63502.mat	70	0.15664	0.87484	685	6868	36978	98	114

Single Classification2

Distributed Time Delay	15	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.14755	0.86761	675	6436	37183	103	346
Distributed Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.12423	0.90421	708	5454	38448	75	58
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.90807	0.63539	1307	518940	52537	750	1647
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.89869	0.64251	1321	514800	58034	735	290
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.85686	0.64411	1323	489790	81817	731	1517
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.8765	0.68109	1401	502270	70773	656	76
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.89701	0.63477	1300	513040	58904	748	1183
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.92823	0.62945	1291	526280	40690	760	6153
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.90962	0.64563	1013	492140	48899	556	1561
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.89979	0.65115	1021	487990	54345	547	268
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.85877	0.65517	1026	464740	76432	540	1428
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.87816	0.69216	1086	476420	66103	483	75
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.89848	0.64597	1009	486500	54973	553	1130
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.92976	0.64258	1005	499090	37707	559	5811
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.90206	0.65098	664	226650	24609	356	930
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	44202.mat	70	0.90506	0.67353	687	228130	23931	333	130
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.84828	0.66994	682	213280	38146	336	767
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	44202.mat	70	0.87153	0.70294	717	219760	32394	303	37
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.89134	0.65585	667	224230	27334	350	633
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.93104	0.65782	669	231770	17168	348	3254
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.1637	0.84653	1368	26950	137680	248	256
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.1407	0.73144	1182	23074	140920	434	890
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.14975	0.78973	1277	24673	140080	340	131
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.14238	0.83385	1350	23473	141390	269	25
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.15882	0.82015	1327	26163	138580	291	149
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.17948	0.83106	1338	29324	134060	272	1510
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.18125	0.87076	950	20558	92866	141	189
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.15552	0.77135	840	17553	95311	249	751
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.16528	0.82676	902	18761	94746	189	106
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.15842	0.85714	936	17996	95600	156	16
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.17604	0.84785	925	19980	93520	166	113
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.19879	0.85635	930	22359	90119	156	1140
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.17488	0.89527	701	7679	36231	82	50
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.16003	0.80563	630	7007	36778	152	176
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.16455	0.85842	673	7228	36698	111	33
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.15127	0.88265	692	6649	37305	92	5
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.17228	0.87995	689	7569	36365	94	26
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.18704	0.87821	685	8153	35436	95	374

Group Classification2

Network	Number Neurons	Network	Training Function	Performance Function	Training Goal	Activation Function	Input	Percentage Crysis (0-100)	Specificity	Sensibility	True Positives	True Negatives	False Positives	False Negatives	Invalid Data
Radial Basis Network	3		-	-	0.01	-	44202.mat	30	0.97772	0.82882	1714	560330	12766	354	0
Radial Basis Network	7		-	-	0.01	-	44202.mat	30	0.97719	0.83607	1729	560030	13070	339	0
Radial Basis Network	15		-	-	0.01	-	44202.mat	30	0.98146	0.82544	1707	562480	10624	361	0
Radial Basis Network	3		-	-	0.01	-	44202.mat	50	0.97685	0.84581	1333	530030	12559	243	0
Radial Basis Network	7		-	-	0.01	-	44202.mat	50	0.97629	0.85406	1346	529720	12863	230	0
Radial Basis Network	15		-	-	0.01	-	44202.mat	50	0.98072	0.84137	1326	532120	10463	250	0
Radial Basis Network	3		-	-	0.01	-	44202.mat	70	0.99792	0.85533	875	251660	524	148	0
Radial Basis Network	7		-	-	0.01	-	44202.mat	70	0.99665	0.8563	876	251330	846	147	0
Radial Basis Network	15		-	-	0.01	-	44202.mat	70	0.9967	0.85826	878	251350	833	145	0
Radial Basis Network	3		-	-	0.01	-	63502.mat	30	0.97309	0.67445	1098	160430	4436	530	0
Radial Basis Network	7		-	-	0.01	-	63502.mat	30	0.97605	0.65418	1065	160920	3949	563	0
Radial Basis Network	15		-	-	0.01	-	63502.mat	30	0.97949	0.65295	1063	161490	3382	565	0
Radial Basis Network	3		-	-	0.01	-	63502.mat	50	0.96904	0.65816	722	110080	3517	375	0
Radial Basis Network	7		-	-	0.01	-	63502.mat	50	0.97292	0.65269	716	110520	3076	381	0
Radial Basis Network	15		-	-	0.01	-	63502.mat	50	0.97702	0.64813	711	110990	2611	386	0
Radial Basis Network	3		-	-	0.01	-	63502.mat	70	0.95865	0.54326	427	42130	1817	359	0
Radial Basis Network	7		-	-	0.01	-	63502.mat	70	0.96421	0.54071	425	42374	1573	361	0
Radial Basis Network	15		-	-	0.01	-	63502.mat	70	0.97181	0.54198	426	42708	1239	360	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	44202.mat	30	0.92193	0.6881	1423	528360	44740	645	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	44202.mat	30	0.63429	0.81867	1693	363510	209590	375	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	44202.mat	30	0.94228	0.72244	1494	540020	33082	574	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	44202.mat	30	0.81934	0.63636	1316	469560	103540	752	0
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	44202.mat	30	0.87911	0.54642	1130	503820	69282	938	0
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	44202.mat	30	0.90347	0.72534	1500	517780	55322	568	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	44202.mat	50	0.92339	0.70241	1107	501020	41569	469	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	44202.mat	50	0.63675	0.84074	1325	345490	197090	251	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	44202.mat	50	0.94348	0.73477	1158	511920	30666	418	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	44202.mat	50	0.82097	0.63325	998	445440	97141	578	0
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	44202.mat	50	0.88036	0.55838	880	477670	64914	696	0
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	44202.mat	50	0.90572	0.7316	1153	491430	51154	423	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	44202.mat	70	0.92123	0.7087	725	232320	19864	298	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	44202.mat	70	0.55891	0.84066	860	140950	111230	163	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	44202.mat	70	0.94477	0.72727	744	238250	13928	279	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	44202.mat	70	0.76965	0.61975	634	194090	58090	389	0
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	44202.mat	70	0.83853	0.57185	585	211460	40719	438	0
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	63502.mat	70	0.89489	0.73607	753	225670	26507	270	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	63502.mat	30	0.078673	0.88206	1436	12943	151570	192	350
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	63502.mat	30	0.065441	0.95946	1562	10789	154080	66	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	63502.mat	30	0.17425	0.92506	1506	28728	136140	122	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	63502.mat	30	0.088775	0.88636	1443	14636	150230	185	0
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	63502.mat	30	0.078448	0.85074	1385	12906	151610	243	350
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	63502.mat	30	0.048748	0.91892	1496	8037	156830	132	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	63502.mat	50	0.086863	0.92616	1016	9837	103410	81	350
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	63502.mat	50	0.073233	0.95169	1044	8319	105280	53	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	63502.mat	50	0.19769	0.92069	1010	22457	91140	87	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	63502.mat	50	0.098506	0.92981	1020	11190	102410	77	0
Distributed Time Delay	15		trainscg	mse	1.00E-006	logsig	63502.mat	50	0.087093	0.89973	987	9863	103380	110	350
Distributed Time Delay	15		trainscg	mse	1.00E-006	tansig	63502.mat	50	0.054482	0.95351	1046	6189	107410	51	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	logsig	63502.mat	70	0.094978	0.95674	752	4174	39773	34	0
Distributed Time Delay	3		trainscg	mse	1.00E-006	tansig	63502.mat	70	0.040276	0.9402	739	1770	42177	47	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	logsig	63502.mat	70	0.16588	0.93384	734	7290	36657	52	0
Distributed Time Delay	7		trainscg	mse	1.00E-006	tansig	63502.mat	70	0.1016	0.96438	758	4465	39482	28	0

Group Classification2

Distributed Time Delay	15	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.098277	0.96438	758	4319	39628	28	0
Distributed Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.055977	0.97201	764	2460	41487	22	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.9733	0.66441	1374	557800	15303	694	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.97031	0.66441	1374	556080	17016	694	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.94381	0.65039	1345	540900	32200	723	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.95847	0.71422	1477	549300	23800	591	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	44202.mat	30	0.96908	0.65812	1361	555380	17719	707	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	44202.mat	30	0.97994	0.63685	1317	561600	11498	751	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.97501	0.66815	1053	529020	13559	523	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.97054	0.66878	1054	526600	15983	522	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.94566	0.66117	1042	513100	29482	534	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.96003	0.72779	1147	520900	21687	429	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	44202.mat	50	0.97071	0.66751	1052	526690	15891	524	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	44202.mat	50	0.9813	0.6453	1017	532440	10145	559	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.97457	0.66373	679	245770	6413	344	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	44202.mat	70	0.98239	0.7175	734	247740	4442	289	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.94661	0.67546	691	238720	13463	332	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	44202.mat	70	0.96353	0.73607	753	242980	9198	270	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	44202.mat	70	0.97226	0.67058	686	245180	6996	337	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.98469	0.66569	681	248320	3860	342	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.10836	0.92629	1508	17865	147000	120	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.087455	0.82125	1337	14388	150130	291	349
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.094403	0.87654	1427	15564	149300	201	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.079525	0.93366	1520	13111	151760	108	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	63502.mat	30	0.10301	0.90418	1472	16983	147880	156	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	30	0.13012	0.914	1488	21452	143420	140	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.12184	0.94439	1036	13841	99756	61	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.097264	0.88149	967	11015	102230	130	349
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.10506	0.9134	1002	11934	101660	95	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.0898	0.9526	1045	10201	103400	52	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	63502.mat	50	0.11592	0.93619	1027	13168	100430	70	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	50	0.14774	0.93254	1023	16783	96814	74	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.11589	0.95547	751	5093	38854	35	0
FF Input Time Delay	3	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.10394	0.91476	719	4568	39379	67	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.10665	0.94784	745	4687	39260	41	0
FF Input Time Delay	7	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.082076	0.95929	754	3607	40340	32	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	logsig	63502.mat	70	0.11352	0.95674	752	4989	38958	34	0
FF Input Time Delay	15	trainscg	mse	1.00E-006	tansig	63502.mat	70	0.13239	0.9402	739	5818	38129	47	0