Table 8.1: Table T2DM Sensitivity and specificity within Normalized Features

A. T2DM Sensitivity								
	SVMl	SVMnl	GNB	KNN	DT	RF	GCN	
Gene expression	Rank 2	Rank 3	Rank 6	Rank 4	Rank 7	Rank 5	Rank 1	
Netpro2vecMetgraphs	0.992	0.992	0.977	1	0.969	0.976	1	
Netpro2vecNDD	1	0.992	0.969	1	0.969	0.977	1	
Netpro2vecTM1	1	1	0.962	1	0.954	0.985	1	
Netpro2vecTM2	1	1	0.697	0.932	0.910	0.947	1	
Netpro2vecNDD+TM1	1	1	0.969	1	0.948	1	1	
Netpro2vecNDD+TM1+TM2	1	1	0.743	0.942	0.852	0.924	1	
Graph2Vec	0.962	0.985	0.969	0.969	0.967	0.954	1	
GL2Vec	0.969	0.992	0.962	0.962	0.969	0.954	1	
FeatherGraph	0.801	0.721	0.876	0.743	0.6	0.743	0.944	

B. T2DM Specitivity								
	SVMl	SVMnl	GNB	KNN	DT	RF	GCN	
Gene expression	Rank 2	Rank 3	Rank 6	Rank 4	Rank 7	Rank 5	Rank 1	
Netpro2vecMetgraphs	0.992	0.992	0.977	1	0.969	0.977	1	
Netpro2vecNDD	1	0.992	0.969	1	0.969	0.977	1	
Netpro2vecTM1	1	1	0.962	1	0.954	1	1	
Netpro2vecTM2	1	1	0.697	0.932	0.910	0.947	1	
Netpro2vecNDD+TM1	1	1	0.969	1	0.948	1	1	
Netpro2vecNDD+TM1+TM2	1	1	0.743	0.942	0.852	0.924	1	
Graph2Vec	0.962	0.985	0.969	0.969	0.969	0.954	1	
GL2Vec	0.969	0.977	0.962	0.962	0.969	0.954	1	
FeatherGraph	0.801	0.721	0.876	0.743	0.6	0.723	0.955	

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Table 8.2: Table non-T2DM Sensitivity and Specitivity within Normalized Features

A. non-T2DM Sensitivity								
	SVMl	SVMnl	GNB	KNN	DT	RF	GCN	
Gene expression	Rank 3	Rank 2	Rank 7	Rank 6	Rank 5	Rank 4	Rank 1	
Netpro2vecMetgraphs	0.969	0.977	0.869	0.931	0.940	0.939	0.909	
Netpro2vecNDD	0.969	0.962	0.885	0.931	0.954	0.962	0.909	
Netpro2vecTM1	0.969	0.954	0.831	0.931	0.925	0.923	1	
Netpro2vecTM2	0.948	0.856	0.796	0.872	0.828	0.782	1	
Netpro2vecNDD+TM1	0.969	0.946	0.816	0.925	0.931	0.923	1	
Netpro2vecNDD+TM1+TM2	0.948	0.841	0.811	0.925	0.842	0.803	1	
Graph2Vec	0.892	0.962	0.885	0.931	0.908	0.923	1	
GL2Vec	0.900	0.938	0.900	0.938	0.908	0.923	1	
FeatherGraph	0.771	0.763	0.841	0.832	0.809	0.733	1	

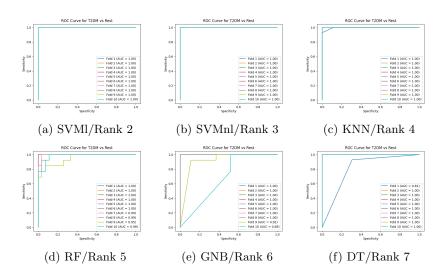
B. non-T2DM Specitivity								
	SVMl	SVMnl	GNB	KNN	DT	RF	GCN	
Gene expression	Rank 3	Rank 2	Rank 7	Rank 6	Rank 5	Rank 4	Rank 1	
Netpro2vecMetgraphs	0.969	0.977	0.869	0.931	0.940	0.939	1	
Netpro2vecNDD	0.969	0.962	0.885	0.931	0.954	0.962	1	
Netpro2vecTM1	0.969	0.954	0.831	0.931	0.925	0.923	1	
Netpro2vecTM2	0.948	0.856	0.796	0.872	0.828	0.789	1	
Netpro2vecNDD+TM1	0.969	0.946	0.816	0.925	0.931	0.923	1	
Netpro2vecNDD+TM1+TM2	0.947	0.841	0.811	0.925	0.842	0.803	1	
Graph2Vec	0.9	0.962	0.885	0.931	0.908	0.923	1	
GL2Vec	0.915	0.946	0.900	0.938	0.908	0.923	1	
FeatherGraph	0.771	0.763	0.841	0.832	0.809	0.733	0.966	

Table 8.3: Table Healthy Sensitivity and Specitivity within Normalized Features

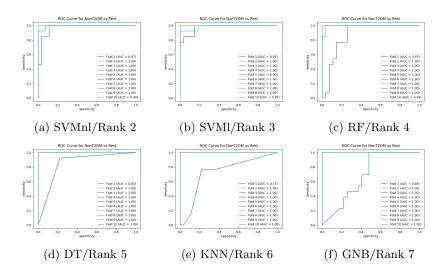
A. Healthy Sensitivity									
	SVMl	SVMnl	GNB	KNN	DT	RF	GCN		
Gene expression	Rank 3	Rank 6	Rank 5	Rank 2	Rank 4	Rank 7	Rank 1		
Netpro2vecMetgraphs	0.969	0.797	0.788	0.971	0.948	0.919	1		
Netpro2vecNDD	0.963	0.782	0.812	0.977	0.932	0.890	1		
Netpro2vecTM1	0.979	0.919	0.818	0.977	0.895	0.926	1		
Netpro2vecTM2	0.962	0.933	0.872	0.821	0.797	0.842	1		
Netpro2vecNDD+TM1	0.992	0.754	0.765	0.985	0.919	0.812	1		
Netpro2vecNDD+TM1+TM2	0.979	0.926	0.857	0.759	0.768	0.841	1		
Graph2Vec	0.932	0.765	0.949	0.947	0.934	0.911	1		
GL2Vec	0.940	0.777	0.954	0.969	0.962	0.926	1		
FeatherGraph	0.666	0.674	0.441	0.583	0.568	0.774	0.909		

B. Healthy Specitivity								
	SVMl	SVMnl	GNB	KNN	DT	RF	GCN	
Gene expression	Rank 2	Rank 6	Rank 5	Rank 3	Rank 4	Rank 7	Rank 1	
Netpro2vecMetgraphs	0.969	0.797	0.788	0.971	0.948	0.919	0.966	
Netpro2vecNDD	0.963	0.784	0.812	0.977	0.932	0.890	1	
Netpro2vecTM1	0.977	0.919	0.818	0.977	0.895	0.926	1	
Netpro2vecTM2	0.962	0.933	0.872	0.821	0.797	0.842	1	
Netpro2vecNDD+TM1	0.992	0.769	0.765	0.985	0.919	0.812	1	
Netpro2vecNDD+TM1+TM2	0.979	0.926	0.857	0.729	0.768	0.841	1	
Graph2Vec	0.932	0.771	0.949	0.947	0.934	0.911	1	
GL2Vec	0.940	0.777	0.954	0.969	0.962	0.926	1	
FeatherGraph	0.666	0.674	0.441	0.583	0.568	0.774	0.966	

1 ROC Chart for T2DM in Normalized Feature Including Ranking Order



2 ROC Chart for non-T2DM in Normalized Feature Including Ranking Order



3 ROC Chart for Healthy in Normalized Feature Including Ranking Order

