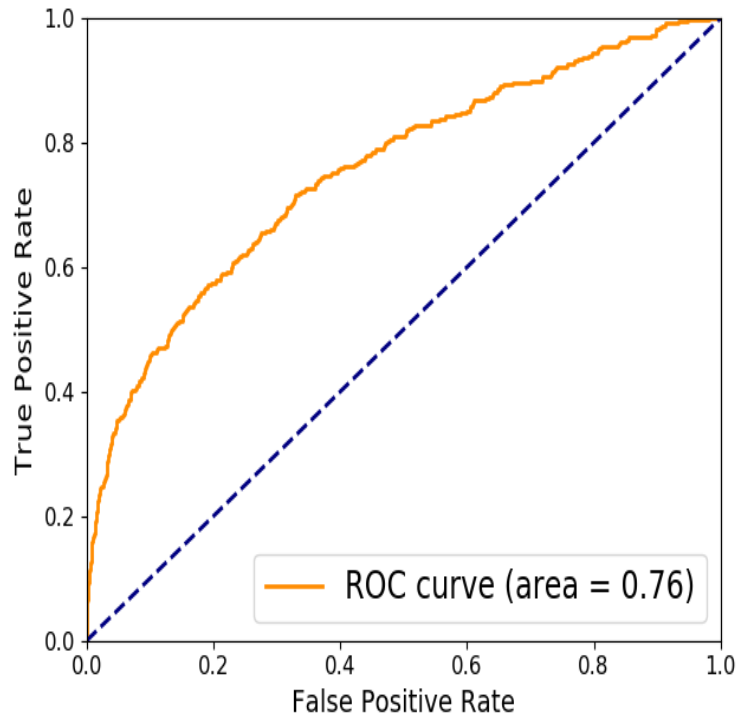
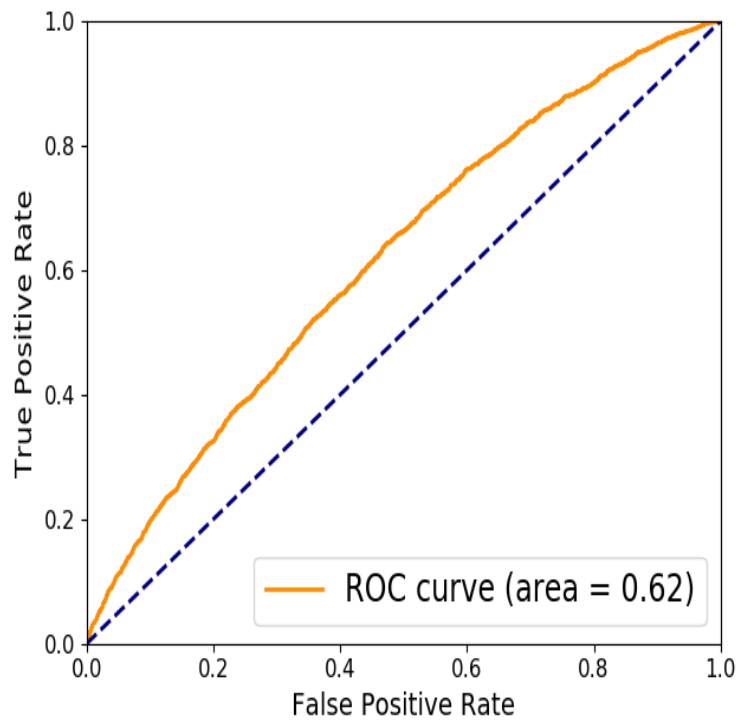


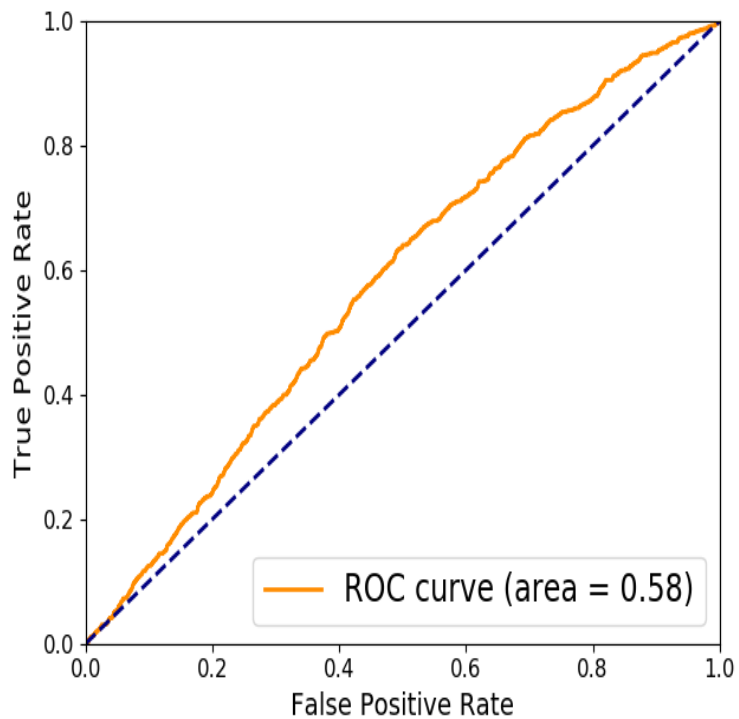
Diffusion ROC from fGOnly_tOverlap STRING10_combined.png



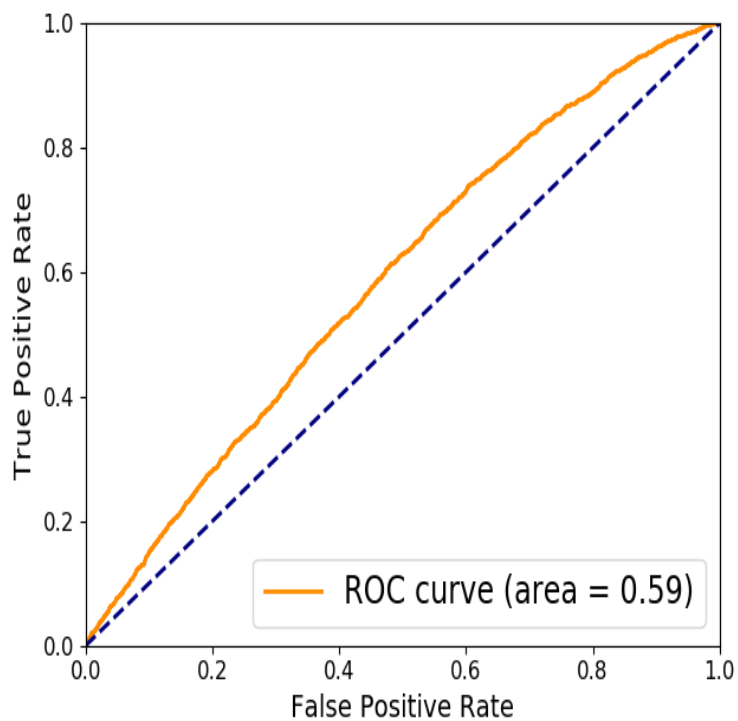
Diffusion ROC from fTestOnly_tGS STRING10_combined.png



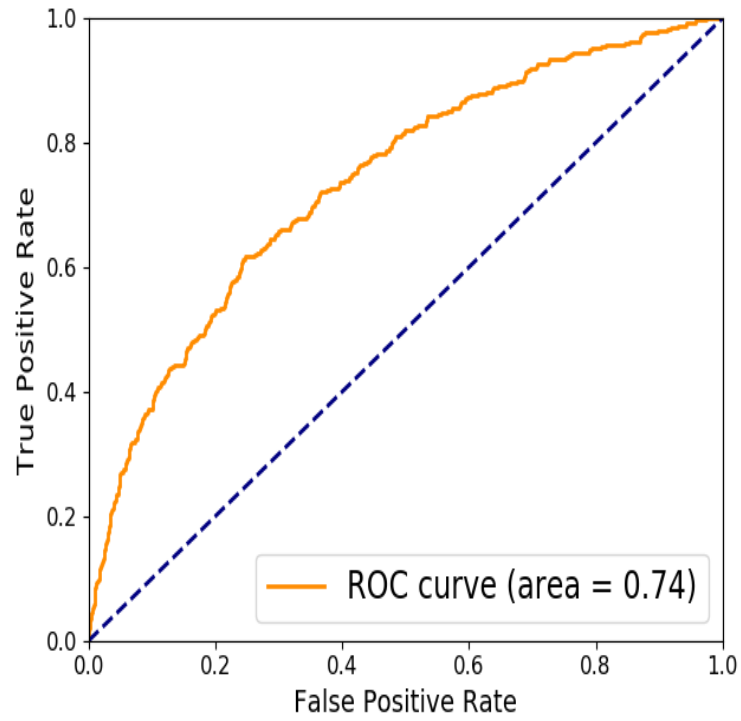
Diffusion ROC from fGOnly_tTestOnly STRING10_combined.png



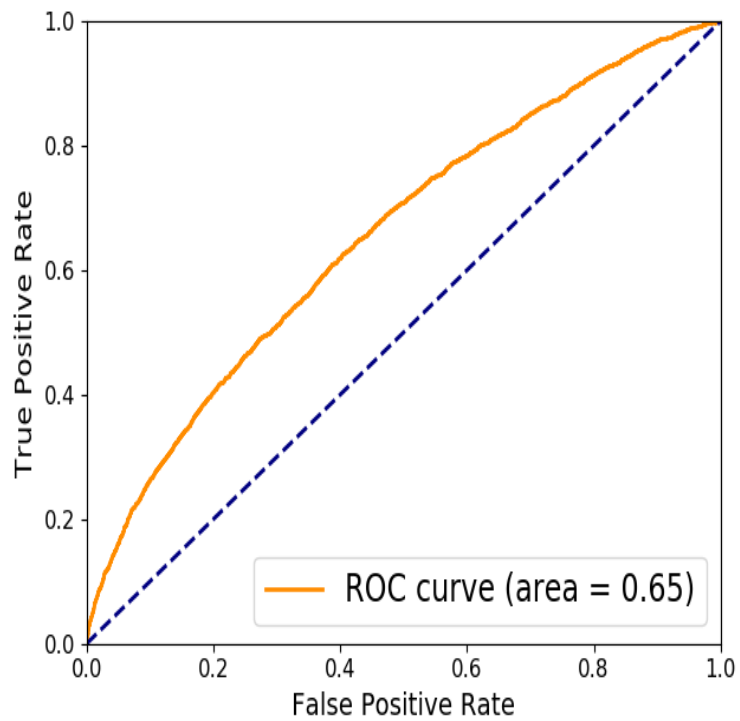
Diffusion ROC from fTestOnly_tGOnly STRING10_combined.png



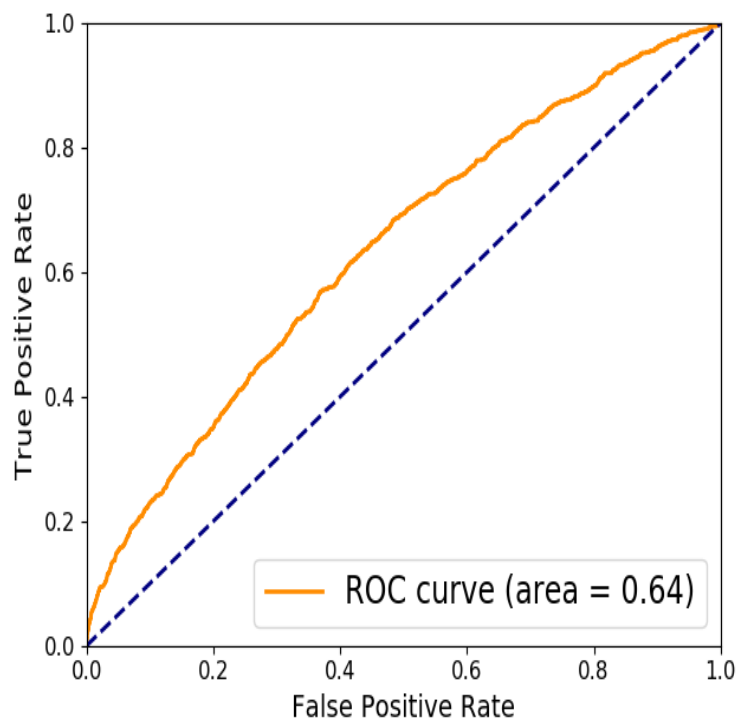
Diffusion ROC from fTestOnly_tOverlap STRING10_combined.png



Diffusion ROC from fOverlap_tOnlies STRING10_combined.png



Diffusion ROC from fGOnly_tTest STRING10_combined.png



Diff_FROM	Diff_TO	AUC	Zt_wdegree	Zt	Zf_wdegree	Zf
GS_only	Test_only	0.578	2.288	8.026	4.699	5.797
Test_only	GS_only	0.588	1.180	16.851	2.343	4.314
GS_only	Overlap	0.756	11.870	16.058	16.045	14.662
GS_only	Test	0.636	5.177	18.073	10.271	11.614
Test_only	Overlap	0.739	9.83230368671	14.136	9.068	9.798
		1374				
		(invalid)				
Test_only	GS	0.618	3.288	21.611	4.369	6.238
Overlap	Onlies	0.655	9.666	29.493	15.894	11.749

**	#Mapped	#Total	Not mapped genes
GS	1872	1971	KIAA0406;KMT2C;C14orf N/A
			43;C18orf19;C2orf43;K
			MT2B;NUTM1;NBPF1;KIAA
			1267;FAM22F;TM7SF4;JU
			B;C1orf125;C7orf58;C1
			4orf105;TRD;C18orf56;
			C19orf55;FAM119A;RUND
			C2A;C13orf33;C10orf11
			9;FAM116A;OR8K3;FAM65
			C;YSK4;BRD2;C9orf23;A
			K9;SLC9A10;KMT2D;PET1
			12L;C9orf79;C6orf165;
			ORC4L;C10orf28;EMG1;C
			14orf166B;C3orf70;MCA
			RT1;ZNF278;RWDD4A;C2o
			rf44;AK3L1;IGL;TRA;HM
			GN2P46;SSX1;C17orf95;
			ACCN5;RECQL4;C14orf18
			4;MTCP1;TERT (prom);T
			RB;GAGE2A;KIAA0240;MI
			CU3;KIAA1797;C2orf77;
			C7orf66;MYCL;KIAA1012
			;AMER1;ZNF198;KRTAP5-
			3;DDX26B;SIP1;C14orf5
			0;NUTM2B;SLC9A11;TRYX
			3;GPR44;METT5D1;C4orf
			49;ACKR3;RAG1AP1;KIAA

			1407;DNAH12;C20orf151	
			;FAM179A;DUX4L1;C14orf	
			f4;ORC3L;TCEAL6;C9orf	
			125;KIAA0564;TFPT;C3o	
			rf59;KNSTRN;AMAC1L3;l	
			GH;FAM47C;C17orf57;TU	
			BB4;GPRIN2;IGK;NA;KDF	
			1;MIR142;KMT2A;VPS11;	
			C6orf222;MOBK1A;SGK2	
			69;MYST4;MALAT1	

+-----+				
Test_only	823	876	P3H2;CTAGE6;BRINP1;KM	N/A
			T2C;GCN1;RMDN1;PCNX1;	
			PSG7;ZSCAN31;KMT2B;i» çA	
			NK3;ZAN;TMEM131L;INTS	
			13;ADGRL2;ADGRV1;JCAD	
			;ADGRB3;HLA.B;ADGRG7;	
			ADGRA3;PAXBP1;DNAAF5;	
			PNMA5;AMER1;PLPPR3;EL	
			OA2;DCAF1;PLPPR1;KRTA	
			P10.5;ADGRL3;CHMP3.RN	
			F103.CHMP3.CHMP3.CHMP	
			3;PATJ;CFAP47;AK9;KMT	
			2D;CFAP74;DNAH12;SLF2	
			;ACP7;SSPO;CYP3A7.CYP	
			3A7.CYP3A51P;ZBED9;AD	
			GRG4;PIK3R6;ERO1B;DIS	
			P3;DDIAS;ZBTB21;MTCL1	
			;CCDC168;KNSTRN;CCDC1	
			80;OR5T1;KMT2A;HLA.A;	
			KLHL40;CFAP54;MELTF;C	
			11orf70;BMT2	

+-----+				
Overlap	348	356	KNSTRN;AK9;KMT2C;KMT2	MUC16;FBXW7;SIN3A;A1C
			D;AMER1;DNAH12;KMT2B;	F;KMT2B;STAG2;CHD8;TR
			KMT2A	AF3;EYS;ERBB4;ABCA7;l
				TGAV;LRRK2;CASP8;CRNK
				L1;APOB;BAP1;MYH10;CA
				RS;NUP98;KMT2D;ANO1;A
				HCTF1;EIF4G2;CHD2;NFE
				2L1;SPEN;MYT1;ARID2;E
				P300;JAKMIP2;DDX10;AT
				P12A;HSD17B11;CUL1;EE
				F1A1;KAT6B;CHRM3;MAP2
				K1;ZBED2;CTCF;AMOT;TS
				C2;KEAP1;PRKDC;TSC1;K
				DM6A;IRS1;PPP4R1;DNAH
				8;SLK;FLT4;NCOR1;SPTA
				1;CIC;NAV3;ARID1A;ZFH
				X4;KRAS;NAA15;ARFGEF1
				;ATM;SLC9A9;ARHGAP35;
				USH2A;F8;FGFR3;GATA3;
				FMN2;PDE10A;ABCB5;SAC

				S;NOTCH2;GCC2;PTPRK;M
				AP2K4;KNSTRN;MN1;NOS3
				;BRCA2;ERRFI1;NF1;COL
				16A1;KMT2A;PCBP1;CHD7
				;COL19A1;SMARCA4;VPS1
				3B;ZMYM3;AXIN1;PKN2;K
				MT2C;FAM135B;CDK12;TB
				C1D4;NBN;DCTN1;ZNF623
				;MYC;SMAD4;CHD3;GTF2I
				;SOX9;PTPN14;MEPCE;CA
				CNA1D;CYLD;TGFB2;CRY
				BG3;PTCH1;PRRG3;NBEA;
				PCM1;MAEL;FAS;SMARCA1
				;KDM5A;PIK3R1;CPEB2;P
				RDM2;MAP3K1;CR2;SYNJ1
				;CDH10;FAM83B;RHOB;CA
				CNA1A;USP9X;MAN1A1;BR
				DT;PIK3CA;EPHA5;RAPGE
				F6;EPHA2;CLIP1;BRAF;H
				IPK2;ZC3H4;TRRAP;EPS1
				5;NONO;TUBGCP5;DHX9;S
				PTAN1;ZRANB3;NRAS;SPZ
				1;LATS2;TRIOBP;ATP11B
				;UHRF1BP1L;EGFR;SPOP;
				CSMD3;NEFH;RUNX1T1;ZN
				F750;ROBO2;RANBP2;ROB
				O3;DNAH12;NSD1;PNISR;
				ZNF781;LZTR1;POLQ;RB1
				;ZNF585B;RNF43;SLC34A
				2;ERBB2;PMS1;FAT1;GNA
				11;SMAD2;SF3B1;COL6A5
				;OXA1L;VPS13C;COL11A1
				;TRIM33;EPAS1;GNAQ;OR
				4C15;MB21D2;RGS22;ADA
				MTS19;BFSP1;SRGAP3;ZN
				F608;DLC1;TPTE;CUL3;J
				AK1;RBM10;ECT2L;STAT2
				;SELP;AK9;SETX;COLEC1
				2;RAC1;SHROOM4;MSH2;C
				TNNB1;GNAS;HDLBP;ZNF6
				30;CLSTN2;WDR78;DYRK1
				A;TTC39C;TET1;DNAH6;A
				BHD2;ZMYM4;RARG;ZNF29
				2;EP400;IGSF3;MGA;PLE
				KHH2;ZBTB20;HNF1B;HDA
				C4;AMER1;ZMYM2;TET2;P
				TEN;GIGYF2;DST;OR6K2;
				PPP6C;ATRX;RET;VHL;TA
				F6;SYK;PPFIBP1;TLR4;P
				PP2R1A;TRIP11;KIF1A;N
				FE2L2;USP34;ASXL2;GRM
				1;TP53;THSD7A;AJUBA;E
				PHA3;TNC;PCLO;DNER;PL

					CL1;TFDP1;SMC3;CYP4F1
					1;COL5A1;RIF1;GALNTL5
					;EPPK1;RASA1;STAT6;ZN
					F780B;CCDC73;CFHR4;PC
					F11;KIT;ALMS1;XIRP2;C
					DKN2A;EPHA7;PDGFRB;BT
					BD7;EHBP1;ZFHX3;ZEB1;
					REG3G;RNF213;U2AF2;WI
					F1;PLXNB2;OR4N2;FAT4;
					CREBBP;HERC1;C9orf131
					;TIMD4;PTPRD;LCA5L;KI
					AA1468;NOTCH1;APC;ALK
					;STK11;BCLAF1;ESRP1;F
					AT3;HUWE1;TG;ERCC2;BI
					RC6;KDM5C;CBL;ARHGAP5
					;SMO;PBRM1;COL3A1;MAP
					K1;PARD3;BRCA1;ST18;R
					UNX1;CNBD1;UPF3A;MACF
					1;MORC4;CNTRL;ASPA;AT
					AD2;ATRNL1;KANSL1;LRP
					1B;MET;CHD4;RPS6KA3;A
					SXL1;MED12;BCL9L;HRNR
					;ADAMTS16;JAK2;DMD;KD
					M5B;DNAH7;THSD7B;TPP2
					;LRP2;SOX17;COL4A3;PI
					K3R2;NUFIP1;POLE;FOXA
					1;HRAS;PREX2;MCTP1;DC
					C;SEC31A;PDZRN4;PSD3;
					ACVR2A;SAMMD9L;MYH9

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