Supplementary Data - A survey of the methodological process of modeling, inference, and evaluation of gene regulatory networks using scRNA-Seq data

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This supplementary material presents additional tabular results that were obtained when analyzing the performance of several algorithms with different metrics when inferring gene regulatory networks. Furthermore, this material also presents additional tabular results regarding the gene selection and the comparison of considering or not the self-loop network motif.

The goal of the proposed paper is to discuss important topics of inferring and analyzing the results obtained by gene regulatory network inference algorithms and provide tips for researchers dealing with this problem.

1 Configuration 500nTF

1.1 Ignoring Self-Loop

Tabela 1: Tabular results for hESC problem considering the 500nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	0	249740	130	130	0.49976	0	-0.00052	0.0
PIDC	NonSpecific	0	249880	60	60	0.5	0	-0.00024	0.0
	ChIP-Seq	0	248872	568	560	0.49972	0	-0.00226	0.0
	STRING	0	249740	130	130	0.49964	0	-0.00052	0.0
GENIE3	NonSpecific	0	249880	60	60	0.5	0	-0.00024	0.0
	ChIP-Seq STRING	2	248875	565	558	0.50102 0.49964	0.00966	0.0013	0.003527
GRNBOOST2	NonSpecific	0	$249740 \\ 249880$	130 60	130 60	0.49964 0.5	$0 \\ 0$	-0.00052 -0.00024	$0.0 \\ 0.0$
GRNBOOS12	ChIP-Seq	5	249880	562	555	0.50338	0.01481	0.00663	0.008818
	STRING	0	249741	129	130	0.49964	0.01401	-0.00052	0.000010
SINCERITIES	NonSpecific	0	249881	59	60	0.5	0	-0.00024	0.0
	ChIP-Seq	3	248893	547	557	0.50463	0.0113	0.00319	0.005291
	STRING	0	249744	126	130	0.49784	0	-0.00051	0.0
PPCOR	NonSpecific	0	249884	56	60	0.49904	0	-0.00023	0.0
	ChIP-Seq	0	248892	548	560	0.50293	0	-0.00222	0.0
CCD DCCDD ND* DVD1	STRING	1	249536	334	129	0.49766	0.00768	0.00396	0.002933
CGP-DSSPD-NR5-EXE1	NonSpecific	0	249872	68 7046	$\frac{60}{520}$	0.49904	$0 \\ 0.00978$	-0.00026	$0.0 \\ 0.004886$
	ChIP-Seq STRING	$\begin{array}{c} 40 \\ 0 \end{array}$	$241494 \\ 249540$	$7946 \\ 330$	$\frac{520}{130}$	$0.50703 \\ 0.49754$	0.00978	0.01064 -0.00083	0.004880
CGP-DSSPD-NR5-EXE2	NonSpecific	0	249873	67	60	0.49794 0.49891	0	-0.00035	0.0
Car Boot B Wite EREZ	ChIP-Seq	13	242429	7011	547	0.50594	0.00869	-0.0014	0.001809
	STRING	0	249526	344	130	0.49736	0	-0.00085	0.0
CGP-DSSPD-NR5-EXE3	NonSpecific	0	249874	66	60	0.49891	0	-0.00025	0.0
	ChIP-Seq	23	241472	7968	537	0.50678	0.0087	0.00245	0.002826
	STRING	0	249529	341	130	0.49736	0	-0.00084	0.0
CGP-DSSPD-NR5-EXE4	NonSpecific	0	249871	69	60	0.49891	0	-0.00026	0.0
	ChIP-Seq	32	240618	8822	529	0.50954	0.00942	0.00555	0.003536
CGP-DSSPD-NR5-EXE5	STRING NonSpecific	0	249497	$\frac{373}{68}$	130	0.49736	0	-0.00088 -0.00026	$0.0 \\ 0.0$
CGP-D55PD-NR5-EAE5	NonSpecific ChIP-Seq	$0 \\ 14$	$249872 \\ 241151$	8289	$\frac{60}{547}$	$0.49891 \\ 0.50971$	0.00921	-0.00026 -0.00218	0.001642
	STRING	1	241151 248552	1318	129	0.49712	0.00321 0.00768	0.00218	0.001042 0.000741
CGP-DSSPD-NR10-EXE1	NonSpecific	1	248622	1318	59	0.49891	0.00806	0.00244	0.000741
	ChIP-Seq	1	248122	1318	559	0.50868	0.00859	-0.00228	0.000741
	STRING	0	248577	1293	130	0.4967	0	-0.00164	0.0
CGP-DSSPD-NR10-EXE2	NonSpecific	0	248647	1293	60	0.49863	0	-0.00112	0.0
	ChIP-Seq	6	248153	1287	554	0.51032	0.00884	0.00366	0.004549
CCD DCCDD ND10 EVE	STRING	3	247976	1894	127	0.49658	0.00768	0.00407	0.001532
CGP-DSSPD-NR10-EXE3	NonSpecific ChIP-Seq	$0 \\ 3$	$249841 \\ 247546$	$\frac{99}{1894}$	$\frac{60}{557}$	$0.49863 \\ 0.50941$	$0 \\ 0.00842$	-0.00031 -0.00122	$0.0 \\ 0.001532$
	STRING	3 1	247540 248503	1367	$\frac{557}{129}$	0.30941 0.49622	0.00842 0.00768	0.00122 0.00069	0.001532 0.00071
CGP-DSSPD-NR10-EXE4	NonSpecific	1	248573	1367	59	0.49863	0.00806	0.00035	0.00071
	ChIP-Seq	6	248078	1362	554	0.51021	0.00851	0.00337	0.004258
	STRING	0	248554	1316	130	0.4958	0	-0.00166	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	0	248624	1316	60	0.4985	0	-0.00113	0.0
	ChIP-Seq	8	248131	1309	553	0.51082	0.00848	0.00589	0.005961
CCD I/M DI/M ND10 EVE1	STRING	1	249241	629	129	0.49538	0.00768	0.00235	0.001563
CGP-KM-BKM-NR10-EXE1	NonSpecific ChIP-Seq	$0 \\ 3$	$249310 \\ 248813$	$630 \\ 627$	$\frac{60}{557}$	$0.4985 \\ 0.51292$	$0 \\ 0.00889$	-0.00078 0.00268	$0.0 \\ 0.004687$
	STRING	3 1	249176	694	$\frac{337}{129}$	0.31292 0.49508	0.00369 0.00768	0.00208 0.00213	0.004087 0.001431
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	249175	695	60	0.4985	0.00700	-0.00082	0.001491
	ChIP-Seq	1	248746	694	559	0.51253	0.00875	-0.00089	0.001431
	STRING	0	249578	292	130	0.49478	0	-0.00078	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	249648	292	60	0.49836	0	-0.00053	0.0
	ChIP-Seq	3	248809	631	557	0.51457	0.00904	0.00266	0.00471
CCD IN CRUM NEW DAYS EVEN	STRING	1	249293	577	129	0.49478	0.00768	0.00255	0.001675
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	249362	578	60	0.49836	0 00015	-0.00075	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{4}{0}$	$248866 \\ 249322$	574 548	$556 \\ 130$	$0.5152 \\ 0.49466$	0.00915	0.00477 -0.00107	$0.0067 \\ 0.0$
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	249322 249392	548	60	0.49400 0.49822	0	-0.00107	0.0
COL INITIALITY THE TAXABLE	ChIP-Seq	8	249392 248795	645	552	0.43822 0.51861	0.00973	0.01084	0.012158
	STRING	0	248489	1381	130	0.4943	0	-0.0017	0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	248559	1381	60	0.49822	0	-0.00115	0.0
	ChIP-Seq	2	248061	1379	558	0.51747	0.00931	-0.00125	0.001409
GGD 111 - 200	STRING	0	249603	267	130	0.49424	0	-0.00075	0.0
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0	249673	267	60	0.49822	0	-0.00051	0.0
	ChIP-Seq	2	247428	2012	558	0.5167	0.00906	-0.00238	0.000974
CGP-KM-DSSPD-NR10-EXE3	STRING NonSpecific	3 1	$248571 \\ 248639$	$1299 \\ 1301$	$\frac{127}{59}$	$0.494 \\ 0.49822$	0.00768 0.00806	0.00566 0.00247	0.002264 0.000755
OGI -IVM-DOOL D-IVUIU-EVE9	ChIP-Seq	1	248039 248139	1301 1301	559	0.49822 0.51556	0.00806 0.00873	-0.00247	0.000755
	STRING	1	248139 248521	1349	129	0.31330 0.49388	0.00373 0.00768	0.00225 0.00071	0.000733 0.000731
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0	248590	1350	60	0.49809	0.00700	-0.00114	0.000751
	ChIP-Seq	5	248095	1345	555	0.51532	0.00858	0.00228	0.003655
	STRING	3	248510	1360	127	0.4934	0.00768	0.00546	0.002174
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	0	248577	1363	60	0.49809	0	-0.00115	0.0
	ChIP-Seq	2	248079	1361	558	0.51418	0.00831	-0.00121	0.001449

Tabela 2: Tabular results for hHep problem considering the 500nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	4	249186	398	412	0.50379	0.0439	0.00816	0.009615
PIDC	NonSpecific	0	249805	94	101	0.49993	0	-0.00039	0.0
	ChIP-Seq	0	249256	368	376	0.49935	0	-0.00149	0.0
CIENTIES	STRING	1	249169	415	415	0.50169	0.02053	0.00074	0.002404
GENIE3	NonSpecific ChIP-Seq	0	$249797 \\ 249243$	$\frac{102}{381}$	$\frac{101}{376}$	0.49993 0.49894	$0 \\ 0$	-0.00041 -0.00152	$0.0 \\ 0.0$
	STRING	$\frac{0}{2}$	249243 249170	414	414	0.49894 0.50177	0.01931	0.00132	0.004808
GRNBOOST2	NonSpecific	0	249797	102	101	0.49993	0.01331	-0.00041	0.004000
GIR. BOOK 12	ChIP-Seq	0	249243	381	376	0.49874	0	-0.00152	0.0
	STRING	1	249184	400	415	0.50249	0.0202	0.00082	0.002404
SINCERITIES	NonSpecific	0	249800	99	101	0.49961	0	-0.0004	0.0
	ChIP-Seq	0	249257	367	376	0.49807	0	-0.00149	0.0
	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq STRING	$0 \\ 25$	$0 \\ 240744$	0 8840	$0 \\ 391$	$0 \\ 0.50401$	$0 \\ 0.02166$	$0 \\ 0.00544$	$0 \\ 0.002755$
CGP-DSSPD-NR5-EXE1	NonSpecific	0	240744 249635	264	101	0.30401 0.49948	0.02100	-0.00065	0.002755
CGI-DSSI D-MG-EALI	ChIP-Seq	13	249035 240772	8852	363	0.49739	0.00132	-0.00019	0.001432
	STRING	12	240902	8682	404	0.50335	0.02025	-0.00132	0.001344
CGP-DSSPD-NR5-EXE2	NonSpecific	0	249635	264	101	0.49935	0	-0.00065	0.0
	ChIP-Seq	11	240940	8684	366	0.49815	0.00186	-0.00119	0.001232
	STRING	14	241026	8558	402	0.50292	0.01948	-0.00014	0.0016
CGP-DSSPD-NR5-EXE3	NonSpecific	0	249643	256	101	0.49935	0	-0.00064	0.0
	ChIP-Seq	19	241071	8553	357	0.49898	0.00226	0.00347	0.002172
CCD DCCDD NDr EVE4	STRING	20	240563	9021	396	0.50224	0.01844	0.00261	0.002158
CGP-DSSPD-NR5-EXE4	NonSpecific ChIP-Seq	$0 \\ 21$	$249614 \\ 240604$	$285 \\ 9020$	$\frac{101}{355}$	0.49921 0.49844	$0 \\ 0.00214$	-0.00068 0.00409	$0.0 \\ 0.002266$
	STRING	$\frac{21}{23}$	240004 240726	8858	393	0.49844 0.50297	0.00214 0.01903	0.00409 0.00436	0.002200 0.002515
CGP-DSSPD-NR5-EXE5	NonSpecific	0	249602	297	101	0.49921	0.01303	-0.00069	0.002010
	ChIP-Seq	9	240752	8872	367	0.49927	0.00242	-0.00243	0.000984
	STRING	1	247733	1851	415	0.50222	0.01809	-0.00238	0.000527
CGP-DSSPD-NR10-EXE1	NonSpecific	0	249767	132	101	0.49895	0	-0.00046	0.0
	ChIP- Seq	1	247773	1851	375	0.49871	0.0023	-0.00215	0.000527
	STRING	9	247660	1924	407	0.50409	0.0196	0.00648	0.004509
CGP-DSSPD-NR10-EXE2	NonSpecific	0	249784	115	101	0.49895	0	-0.00043	0.0
	$ \text{ChIP-Seq} \\ \text{STRING} $	$\frac{2}{6}$	$247693 \\ 247608$	$1931 \\ 1976$	$374 \\ 410$	$0.4982 \\ 0.5049$	0.00222 0.02015	-0.00107 0.00299	0.001002 0.002938
CGP-DSSPD-NR10-EXE3	NonSpecific	0	247608 249749	150	101	0.3049 0.49889	0.02013	-0.00299	0.002938
CGI ESSI E MILIO EXES	ChIP-Seq	5	247647	1977	371	0.49909	0.00243	0.00235	0.002449
	STRING	$\overline{4}$	248263	1321	412	0.50437	0.0195	0.00243	0.002963
CGP-DSSPD-NR10-EXE4	NonSpecific	1	248575	1324	100	0.49882	0.00652	0.00127	0.000741
	ChIP-Seq	5	248304	1320	371	0.49838	0.00232	0.00428	0.003704
	STRING	1	247782	1802	415	0.50364	0.01874	-0.00232	0.000547
CGP-DSSPD-NR10-EXE5	NonSpecific	0	249796	103	101	0.49876	0	-0.00041	0.0
	$ \text{ChIP-Seq} \\ \text{STRING} $	$\frac{15}{13}$	247836	1788	361	0.50049	0.00271	0.01499	0.00821
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	$248288 \\ 248590$	$1296 \\ 1309$	$403 \\ 101$	$0.50741 \\ 0.49856$	0.02109	0.01472 -0.00146	0.009745 0.0
CGI -RWI-DRWI-WITTO-EXET	ChIP-Seq	15	248330	1294	361	0.49890 0.50897	0.00408	0.0140	0.011244
	STRING	0	248556	1028	416	0.50637	0.00100	-0.00262	0.0
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	248871	1028	101	0.49843	0	-0.00129	0.0
	ChIP-Seq	3	248599	1025	373	0.50967	0.00408	0.00234	0.002879
	STRING	1	248415	1169	415	0.50589	0.0196	-0.00136	0.000842
CGP-KM-BKM-NR10-EXE3	NonSpecific	1	248730	1169	100	0.49817	0.00652	0.00154	0.000842
	ChIP-Seq	7	248461	1163	369	0.50919	0.00393	0.00792	0.005892
CGP-KM-BKM-NR10-EXE4	STRING	8	246761	2823	408	0.50449	0.0185	0.00305	0.002796
CGP-KM-BKM-NK10-EAE4	NonSpecific ChIP-Seq	$\frac{1}{12}$	$247069 \\ 246805$	$2830 \\ 2819$	$\frac{100}{364}$	$0.49758 \\ 0.51123$	0.00652 0.00411	-0.00027 0.00755	0.00035 0.004194
	STRING	0	247985	1599	416	0.51123 0.50417	0.00411	-0.00328	0.004134
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	248300	1599	101	0.49751	0	-0.00161	0.0
	ChIP-Seq	0	248025	1599	376	0.51074	0	-0.00311	0.0
	STRING	0	249143	441	416	0.50394	0	-0.00172	0.0
${\tt CGP\text{-}KM\text{-}DSSPD\text{-}NR10\text{-}EXE1}$	NonSpecific	0	249458	441	101	0.49751	0	-0.00085	0.0
	ChIP- Seq	0	249183	441	376	0.51023	0	-0.00163	0.0
	STRING	1	249144	440	415	0.50489	0.0186	0.00062	0.002257
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0	249458	441	101	0.49751	0	-0.00085	0.0
	ChIP-Seq STRING	$0 \\ 3$	$249183 \\ 247874$	$441 \\ 1710$	376 413	0.50982	0	-0.00163 0.00018	$0.0 \\ 0.001677$
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	$\frac{3}{4}$	24/8/4 248190	$1710 \\ 1709$	$\frac{413}{97}$	0.50493 0.49738	0.01845 0.00652	0.00018 0.00798	0.001677 0.002236
COI -IXIVI-DODI D-IVITU-EAE9	ChIP-Seq	$\frac{4}{14}$	248190 247925	$1709 \\ 1699$	362	0.49738 0.51437	0.00652 0.00417	0.00798 0.01429	0.002230 0.007826
	STRING	1	249136	448	415	0.51457 0.50595	0.00417 0.01891	0.01429 0.00059	0.007320 0.002217
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0	249450	449	101	0.49738	0	-0.00085	0.002211
	ChIP-Seq	0	249175	449	376	0.51395	0	-0.00165	0.0
	STRING	0	247892	1692	416	0.50474	0	-0.00337	0.0
${\tt CGP\text{-}KM\text{-}DSSPD\text{-}NR10\text{-}EXE5}}$	NonSpecific ChIP-Seq	$\frac{1}{0}$	$248208 \\ 247932$	$1691 \\ 1692$	$\frac{100}{376}$	$0.49732 \\ 0.51321$	0.00652	0.00077 -0.0032	0.000575 0.0

Tabela 3: Tabular results for mDC problem considering the 500nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	1	249749	125	125	0.50323	0.04999	0.00744	0.007937
PIDC	NonSpecific	0	249932	34	34	0.5	0	-0.00014	0.0
	ChIP-Seq STRING	$0 \\ 0$	$249928 \\ 249748$	$\frac{36}{126}$	$\frac{36}{126}$	$0.5 \\ 0.50309$	0	-0.00014 -0.0005	$0.0 \\ 0.0$
GENIE3	NonSpecific	0	249748	$\frac{120}{34}$	$\frac{120}{34}$	0.50509	0	-0.0003	0.0
GENIES	ChIP-Seq	0	249928	36	36	$0.5 \\ 0.5$	0	-0.00014	0.0
	STRING	0	249748	126	126	0.50302	0	-0.0005	0.0
GRNBOOST2	NonSpecific	0	249932	34	34	0.5	0	-0.00014	0.0
	ChIP-Seq	0	249928	36	36	0.5	0	-0.00014	0.0
	STRING	0	0	0	0	0	0	0	0
SINCERITIES	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
DDCCD	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq STRING	0	$\frac{0}{249701}$	173	$0 \\ 126$	0.50249	0	0 -0.00059	$0 \\ 0.0$
CGP-DSSPD-NR5-EXE1	NonSpecific	1	249701 249794	$173 \\ 172$	33	0.50249 0.5	0.51561	0.01274	0.00578
OGI -DSSI D-MIG-EXEI	ChIP-Seq	0	249794 249791	$172 \\ 173$	36	$0.5 \\ 0.5$	0.51501	-0.00032	0.00378
	STRING	0	249693	181	126	0.50209	0	-0.0006	0.0
CGP-DSSPD-NR5-EXE2	NonSpecific	0	249785	181	34	0.5	0	-0.00031	0.0
	ChIP-Seq	0	249783	181	36	0.5	0	-0.00032	0.0
	STRING	0	249725	149	126	0.50169	0	-0.00055	0.0
CGP-DSSPD-NR5-EXE3	NonSpecific	0	249817	149	34	0.5	0	-0.00028	0.0
	ChIP-Seq	0	249815	149	36	0.5	0	-0.00029	0.0
	STRING	0	249682	192	126	0.50136	0	-0.00062	0.0
CGP-DSSPD-NR5-EXE4	NonSpecific	0	249774	192	34	0.49953	0	-0.00032	0.0
	ChIP-Seq	0	249772	192	36	0.5	0	-0.00033	0.0
COD DOODD ND FEVE	STRING	1	249698	176	125	0.50478	0.02899	0.0061	0.00565
CGP-DSSPD-NR5-EXE5	NonSpecific	0	249789	$177 \\ 177$	34	0.49953	0	-0.00031	$0.0 \\ 0.0$
	ChIP-Seq STRING	0 6	$249787 \\ 247869$	$\frac{177}{2005}$	$\frac{36}{120}$	$0.5 \\ 0.50478$	0.02899	-0.00032 0.00995	0.002984
CGP-DSSPD-NR10-EXE1	NonSpecific	1	247956	2000	33	0.30478 0.49953	0.02899 0.01561	0.00993 0.00279	0.002984 0.000497
OGI -DOGI D-IVIÇIO-LIZLI	ChIP-Seq	3	247956	2008	33	0.45555	0.51557	0.00213 0.01012	0.000497 0.001492
	STRING	1	247819	2055	125	0.50452	0.02742	-7e-05	0.000486
CGP-DSSPD-NR10-EXE2	NonSpecific	1	247911	2055	33	0.49953	0.01561	0.00274	0.000486
	ChIP-Seq	0	247908	2056	36	0.5	0	-0.00109	0.0
	STRING	1	247825	2049	125	0.50431	0.02639	-7e-05	0.000488
CGP-DSSPD-NR10-EXE3	NonSpecific	1	247917	2049	33	0.49953	0.01561	0.00274	0.000488
	ChIP-Seq	0	247914	2050	36	0.5	0	-0.00109	0.0
	STRING	0	247720	2154	126	0.50405	0	-0.00209	0.0
CGP-DSSPD-NR10-EXE4	NonSpecific	0	247812	2154	34	0.49953	0	-0.00109	0.0
	ChIP-Seq STRING	1	247811	2153	35	0.5	0.51557	0.00249	0.000464
CGP-DSSPD-NR10-EXE5	NonSpecific	$\frac{4}{0}$	$247617 \\ 247705$	$2257 \\ 2261$	$\frac{122}{34}$	$0.50398 \\ 0.49953$	0.0249	0.00539 -0.00111	0.001769 0.0
CGF-DSSFD-NRI0-EXES	ChIP-Seq	0	247703 247703	2261	$\frac{34}{36}$	0.49955 0.5	0	-0.00111	0.0
	STRING	0	248721	1153	126	0.50391	0	-0.00113	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	248813	1153	34	0.49953	0	-0.00079	0.0
	ChIP-Seq	0	248811	1153	36	0.5	0	-0.00082	0.0
	STRING	0	246986	2888	126	0.50391	0	-0.00243	0.0
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	247078	2888	34	0.49953	0	-0.00126	0.0
	ChIP-Seq	5	247081	2883	31	0.5	0.51557	0.0143	0.001731
	STRING	0	249239	635	126	0.50391	0	-0.00113	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	249331	635	34	0.49953	0	-0.00059	0.0
	ChIP-Seq	5	249334	630	31	0.49955	0.01557	0.03251	0.007874
CCD VM DVM ND10 EVE4	STRING	0	248600	1274	126	0.50391	0	-0.00161	0.0
CGP-KM-BKM-NR10-EXE4	NonSpecific ChIP-Seq	0	$248692 \\ 248690$	$1274 \\ 1274$	$\frac{34}{36}$	0.49953 0.49955	$0 \\ 0$	-0.00084 -0.00086	$0.0 \\ 0.0$
	STRING	0	248090 249316	558	126	0.49955 0.50391	0	-0.00106	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	249408	558	$\frac{120}{34}$	0.49953	0	-0.00100	0.0
COI IIM DIAM MILIO EMES	ChIP-Seq	0	249406	558	36	0.49955	0	-0.00057	0.0
	STRING	0	248077	1797	126	0.50371	0	-0.00191	0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	248169	1797	34	0.49953	0	-0.00099	0.0
	ChIP-Seq	0	248167	1797	36	0.49955	0	-0.00102	0.0
	STRING	0	248048	1826	126	0.50371	0	-0.00193	0.0
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0	248140	1826	34	0.49953	0	-0.001	0.0
	ChIP-Seq	0	248138	1826	36	0.49955	0	-0.00103	0.0
	STRING	2	248107	1767	124	0.50351	0.0232	0.00236	0.001131
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	248197	1769	34	0.49953	0	-0.00098	0.0
	ChIP-Seq	0	248195	1769	36	0.49955	0	-0.00101	0.0
OOD VM DOODD ND40 EVE!	STRING	0	249472	402	126	0.50324	0	-0.0009	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	0	249564	402	$\frac{34}{36}$	0.49953	0	-0.00047	0.0
	Omr-seq	0	249562	402	90	0.49911	0	-0.00048	0.0
	STRING	Ω	2/12206	1669	126	0 20334	Ω	_0 00194	0.0
CGP-KM-DSSPD-NR10-EXE5	STRING NonSpecific	0	$248206 \\ 248298$	$1668 \\ 1668$	$\frac{126}{34}$	$0.50324 \\ 0.49953$	0	-0.00184 -0.00096	$0.0 \\ 0.0$

Tabela 4: Tabular results for mESC problem considering the 500nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	7	249504	245	244	0.51121	0.09041	0.02685	0.027778
PIDC	NonSpecific	0	249246	378	376	0.4995	0	-0.00151	0.0
	ChIP-Seq STRING	$\frac{46}{12}$	$243327 \\ 249510$	$\frac{3314}{239}$	$\frac{3313}{239}$	$0.50194 \\ 0.51994$	0.02969 0.10247	$0.00026 \\ 0.04685$	0.01369 0.047809
GENIE3	NonSpecific	2	249310 249250	374	374	0.51994 0.50148	0.10247 0.01433	0.04083 0.00382	0.047809 0.005319
GENER	ChIP-Seq	89	243371	3270	3270	0.50376	0.02858	0.00302 0.01324	0.026496
	STRING	12	249510	239	239	0.53159	0.1361	0.04685	0.047809
GRNBOOST2	NonSpecific	2	249250	374	374	0.50353	0.01751	0.00382	0.005319
	ChIP-Seq	100	243382	3259	3259	0.50576	0.02996	0.01656	0.029771
	STRING	2	249504	245	249	0.5346	0.12868	0.00704	0.007968
SINCERITIES	NonSpecific	4	249264	360	372	0.50801	0.02211	0.00935	0.010638
	ChIP-Seq STRING	$\frac{42}{0}$	243479	$\frac{3162}{0}$	$\frac{3317}{0}$	$0.5054 \\ 0$	0.02845	-0.00032 0	0.012504
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
11 0010	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	5	241714	8035	246	0.53412	0.12096	-0.0022	0.000622
CGP-DSSPD-NR5-EXE1	NonSpecific	11	241595	8029	365	0.50725	0.01828	-0.00064	0.001368
	ChIP-Seq	112	238713	7928	3247	0.50581	0.02795	0.00078	0.01393
CCD DCCDD ND EVE	STRING	6	241780	7969	245	0.53334	0.11168	-0.00144	0.000752
CGP-DSSPD-NR5-EXE2	NonSpecific ChIP-Seq	11 89	$241660 \\ 238755$	$7964 \\ 7886$	$\frac{365}{3270}$	$0.51041 \\ 0.50566$	$0.01974 \\ 0.02751$	-0.00058 -0.00359	0.001379 0.01116
	STRING	8	241654	8095	$\frac{3270}{243}$	0.50300 0.53302	0.02731 0.10834	-0.00339	0.01110 0.000987
CGP-DSSPD-NR5-EXE3	NonSpecific	9	241530	8094	367	0.5108	0.01817	-0.00186	0.001111
	ChIP-Seq	155	238693	7948	3204	0.50911	0.02831	0.00905	0.019129
	STRING	9	241895	7854	242	0.53269	0.10526	0.0008	0.001145
CGP-DSSPD-NR5-EXE4	NonSpecific	14	241775	7849	362	0.50981	0.01602	0.00129	0.00178
	ChIP-Seq	104	238882	7759	3255	0.50822	0.02777	-0.00033	0.013227
CGP-DSSPD-NR5-EXE5	STRING NonSpecific	10 10	$241562 \\ 241437$	$8187 \\ 8187$	$\frac{241}{366}$	$0.53243 \\ 0.51168$	$0.10298 \\ 0.01642$	0.00126 -0.00135	$0.00122 \\ 0.00122$
CGI -DSSI D-MIO-EALO	ChIP-Seq	95	238539	8102	3264	0.51703 0.50724	0.01042 0.0273	-0.00195	0.00122 0.01159
	STRING	2	248195	1554	249	0.5337	0.10052	0.0007	0.001285
CGP-DSSPD-NR10-EXE1	NonSpecific	0	248068	1556	376	0.51098	0	-0.00307	0.0
	ChIP-Seq	76	241730	4911	3283	0.50891	0.02764	0.00224	0.01524
CCD DCCDD ND10 EVE9	STRING	2	248050	1699	$\frac{249}{279}$	0.53317	0.09651	0.00045	0.001176
CGP-DSSPD-NR10-EXE2	NonSpecific ChIP-Seq	$\frac{4}{33}$	$247927 \\ 243536$	$\frac{1697}{3105}$	$372 \\ 3326$	$0.51178 \\ 0.50765$	$0.01537 \\ 0.02706$	0.00181 -0.00286	0.002352 0.010516
	STRING	4	248159	1590	247	0.53678	0.10041	0.00381	0.010510 0.002509
CGP-DSSPD-NR10-EXE3	NonSpecific	2	248032	1592	374	0.51225	0.015	-0.00052	0.001255
	ChIP-Seq	30	245014	1627	3329	0.50896	0.02726	0.00331	0.018105
CCD DCCDD ND10 EVE4	STRING	4	248098	1651	247	0.53819	0.09954	0.00364	0.002417 0.003021
CGP-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{5}{44}$	$247974 \\ 243365$	$\frac{1650}{3276}$	$\frac{371}{3315}$	$0.51299 \\ 0.50911$	$0.015 \\ 0.02718$	0.0032 -0.00018	0.003021 0.013253
	STRING	1	248203	1546	250	0.53767	0.09638	-0.00089	0.010200 0.000646
CGP-DSSPD-NR10-EXE5	NonSpecific	1	248078	1546	375	0.51229	0.0143	-0.00175	0.000646
	ChIP-Seq	42	243519	3122	3317	0.50965	0.02717	-0.00016	0.013274
CCD VM DVM ND10 EVE1	STRING	1	249446	303	250	0.53881	0.09438	0.00252	0.003289
CGP-KM-BKM-NR10-EXE1	NonSpecific ChIP-Seq	$\frac{2}{81}$	$249215 \\ 240828$	$409 \\ 5813$	$\frac{374}{3278}$	$0.51418 \\ 0.509$	$0.01472 \\ 0.02693$	0.00352 0.00041	0.004866 0.013743
	STRING	0	249484	265	$\frac{3278}{251}$	0.509 0.53848	0.02093	-0.00041	0.013743
CGP-KM-BKM-NR10-EXE2	NonSpecific	3	247802	1822	373	0.51503	0.0148	0.00031	0.001644
	ChIP-Seq	22	243336	3305	3337	0.50585	0.02637	-0.00688	0.006613
	STRING	0	249452	297	251	0.53841	0	-0.00109	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	1	247761	1863	375	0.51464	0.01447	-0.00216	0.000536
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\begin{array}{c} 34 \\ 0 \end{array}$	$241867 \\ 249479$	$4774 \\ 270$	$3325 \\ 251$	$0.50296 \\ 0.53821$	$0.02592 \\ 0$	-0.00774 -0.00104	0.007072 0.0
CGP-KM-BKM-NR10-EXE4	NonSpecific	$\frac{\circ}{2}$	247787	1837	374	0.53621 0.51434	0.01424	-0.00104	0.001088
	ChIP-Seq	$\frac{2}{44}$	243199	3442	3315	0.5021	0.02581	-0.00084	0.012622
	STRING	0	249463	286	251	0.53801	0	-0.00107	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	2	248845	779	374	0.51534	0.01446	0.00153	0.002561
	ChIP-Seq	83	242460	4181	3276	0.50322	0.02587	0.0069	0.019465
CGP-KM-DSSPD-NR10-EXE1	STRING NonSpecific	$\frac{3}{0}$	$247669 \\ 247541$	$2080 \\ 2083$	$\frac{248}{376}$	$0.53935 \\ 0.51465$	0.08991	0.00126 -0.00356	$0.00144 \\ 0.0$
CGI IIII BSSI B IIII BZEI	ChIP-Seq	39	244485	2156	3320	0.50471	0.02613	0.00354	0.017768
	STRING	0	247984	1765	251	0.53855	0	-0.00267	0.0
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	4	247863	1761	372	0.51519	0.01384	0.00166	0.002266
	ChIP-Seq	31	244805	1836	3328	0.50532	0.02619	0.00239	0.016604
CGP-KM-DSSPD-NR10-EXE3	STRING NonSpecific	$\frac{1}{1}$	$247779 \\ 247654$	$1970 \\ 1970$	$\frac{250}{375}$	$0.53823 \\ 0.51453$	$0.08532 \\ 0.01342$	-0.0014 -0.00229	0.000507 0.000507
OGI -IVM-DOOL D-IVUIU-EVE9	ChIP-Seq	$\frac{1}{76}$	247654	$\frac{1970}{3805}$	3283	0.51453 0.50691	0.01342 0.02638	0.00229 0.0067	0.000507 0.019583
	STRING	1	247813	1936	250	0.53783	0.02038 0.08393	-0.00136	0.019505 0.000516
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	3	247690	1934	373	0.51383	0.01302	0.0001	0.001549
	ChIP-Seq	56	242936	3705	3303	0.5072	0.02639	0.00156	0.01489
CCD VM DCCDD ND40 EVE	STRING NanSpacific	1	248075	1674	$\frac{250}{274}$	0.5391	0.08351	-0.00105	0.000597
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{2}{54}$	$247951 \\ 243003$	$\frac{1673}{3638}$	$\frac{374}{3305}$	$\begin{array}{c} 0.51587 \\ 0.50612 \end{array}$	$\begin{array}{c} 0.01344 \\ 0.02612 \end{array}$	-0.00066 0.00127	0.001194 0.014626
	Omr-bed	94	240000	5030	5505	0.00012	0.02012	0.00141	0.014020

Tabela 5: Tabular results for mHSC-E problem considering the 500nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	20	249444	268	268	0.52711	0.07448	0.06837	0.069444
PIDC	NonSpecific	12	249460	264	264	0.51952	0.0619	0.04242	0.043478
	ChIP-Seq	9	247265	1363	1363	0.50071	0.00966	0.00108	0.00656
CENTES	STRING	13	249437	275	275	0.52852	0.05636	0.04404	0.045139
GENIE3	NonSpecific	7	249455	269	269	0.52411	0.05168	0.02429	0.025362
	ChIP-Seq STRING	5 11	$247261 \\ 249435$	1367	$\frac{1367}{277}$	0.49986 0.52799	0.00645	-0.00185 0.03708	0.003644 0.038194
GRNBOOST2	NonSpecific	9	249455 249457	$\begin{array}{c} 277 \\ 267 \end{array}$	$\frac{277}{267}$	0.52799 0.52381	0.06716 0.05419	0.03708 0.03154	0.032609
GRINDOOS12	ChIP-Seq	<i>9</i> 5	249457 247261	1367	1367	0.32361 0.49936	0.00419 0.00856	-0.00185	0.032009 0.003644
	STRING	0	249427	285	288	0.49330 0.52768	0.00050	-0.00135	0.003044
SINCERITIES	NonSpecific	0	249451	273	276	0.52322	0	-0.0011	0.0
	ChIP-Seq	8	247275	1353	1364	0.50016	0.00918	0.00039	0.005831
	STRING	13	249437	275	275	0.52521	0.0594	0.04404	0.045139
PPCOR	NonSpecific	9	249457	267	267	0.52171	0.04127	0.03154	0.032609
	ChIP-Seq	10	247266	1362	1362	0.49867	0.006	0.00181	0.007289
	STRING	14	243206	6506	274	0.52494	0.05881	0.0048	0.002138
CGP-DSSPD-NR5-EXE1	NonSpecific	9	243213	6511	267	0.52112	0.03923	0.00136	0.001375
	ChIP-Seq	36	242144	6484	1336	0.49846	0.00605	7e-05	0.005499
	STRING	5	243795	5917	283	0.52452	0.05794	-0.00141	0.000843
CGP-DSSPD-NR5-EXE2	NonSpecific	3	243805	5919	273	0.52065	0.03785	-0.0028	0.000506
	ChIP-Seq	33	242739	5889	1339	0.49769	0.00595	0.00018	0.005561
CCD DCCDD NDF EVE	STRING	7	243032	6680	281	0.52417	0.05726	-0.00051	0.001044
CGP-DSSPD-NR5-EXE3	NonSpecific	10	243047	6677	266	0.52013	0.03654	0.00195	0.001491
	ChIP-Seq STRING	$\frac{51}{7}$	$241992 \\ 242873$	$6636 \\ 6839$	$\frac{1321}{281}$	$0.49842 \\ 0.52375$	0.00617 0.05647	0.0048 -0.00064	0.007606
CGP-DSSPD-NR5-EXE4	NonSpecific	6	242873	6840	$\frac{281}{270}$	0.52575 0.51969	0.03547 0.03558	-0.00064	0.001017 0.000871
CGF-D55FD-NR5-EXE4	ChIP-Seq	$\frac{6}{37}$	242884	6809	1335	0.31909 0.4981	0.03538 0.00615	-0.00113	0.000371 0.005374
	STRING	12	243400	6312	276	0.4301 0.52309	0.05534	0.00354	0.003374 0.001889
CGP-DSSPD-NR5-EXE5	NonSpecific	9	243409	6315	$\frac{210}{267}$	0.52103	0.03572	0.00354 0.00155	0.001333 0.001417
CGI BSSI B 1110 EILEO	ChIP-Seq	56	242360	6268	1316	0.49934	0.00637	0.00734	0.008815
	STRING	0	248441	1271	288	0.52279	0	-0.00243	0.0
CGP-DSSPD-NR10-EXE1	NonSpecific	0	248453	1271	276	0.52054	0	-0.00238	0.0
	ChIP-Seq	11	247298	1330	1361	0.50091	0.0066	0.0027	0.008185
	STRING	1	248519	1193	287	0.52217	0.0539	-0.00064	0.000833
CGP-DSSPD-NR10-EXE2	NonSpecific	1	248531	1193	275	0.51999	0.03392	-0.00056	0.000833
	ChIP-Seq	7	247390	1238	1365	0.50083	0.00658	0.00013	0.005596
	STRING	0	248492	1220	288	0.52151	0	-0.00238	0.0
CGP-DSSPD-NR10-EXE3	NonSpecific	1	248505	1219	275	0.52142	0.03432	-0.0006	0.000819
	ChIP-Seq	4	247346	1282	1368	0.4999	0.00645	-0.00231	0.003108
CCD DCCDD ND10 EVEL	STRING	1	248504	1208	287	0.52101	0.0523	-0.00067	0.000824
CGP-DSSPD-NR10-EXE4	NonSpecific	1	248516	1208	275	0.5211	0.03385	-0.00058	0.000824
	ChIP-Seq STRING	6 0	$247347 \\ 248468$	$1281 \\ 1244$	$\frac{1366}{288}$	$0.49934 \\ 0.52024$	0.00639	-0.0008 -0.0024	0.004644 0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	0	248480	1244 1244	276	0.52024 0.52053	$0 \\ 0$	-0.0024 -0.00235	0.0
CGI -DSSI D-NICIO-EXES	ChIP-Seq	$\frac{0}{12}$	247327	1301	1360	0.52095 0.50097	0.00655	0.00255	0.009091
	STRING	1	249263	449	287	0.52116	0.05033 0.05147	0.00134	0.002016
CGP-KM-BKM-NR10-EXE1	NonSpecific	2	249276	448	274	0.5219	0.03344	0.00427	0.004032
	ChIP-Seq	2	246872	1756	1370	0.49894	0.00635	-0.00496	0.001091
	STRING	4	248110	1602	284	0.52081	0.05111	0.00317	0.0024
$CGP ext{-}KM ext{-}BKM ext{-}NR10 ext{-}EXE2$	NonSpecific	4	248122	1602	272	0.5214	0.03287	0.00336	0.0024
	ChIP-Seq	3	247025	1603	1369	0.49775	0.00625	-0.00394	0.0018
	STRING	1	249287	425	287	0.52062	0.05091	0.00146	0.002114
CGP-KM-BKM-NR10-EXE3	NonSpecific	2	249300	424	274	0.52123	0.0327	0.00447	0.004228
	ChIP-Seq	3	246531	2097	1369	0.49718	0.00621	-0.00506	0.001382
CCD VM DVM ND10 EVE1	STRING	1	249057	655	$\frac{287}{274}$	0.52024	0.0505	0.00056	0.00141
CGP-KM-BKM-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{2}{27}$	$249070 \\ 246267$	$654 \\ 2361$	$274 \\ 1345$	$0.52109 \\ 0.49976$	$0.03256 \\ 0.00642$	$0.003 \\ 0.00773$	0.002821 0.010967
	STRING	$\frac{27}{1}$	249233	$\frac{2301}{679}$	$\frac{1343}{287}$	0.49976 0.52004	0.00642 0.0503	0.00773 0.00049	0.010967 0.001361
CGP-KM-BKM-NR10-EXE5	NonSpecific	3	249033 249047	677	273	0.52004 0.52265	0.0303 0.03311	0.00049 0.0052	0.001301 0.004082
CGI -KM-DKM-W(10-EXES	ChIP-Seq	0	247069	1559	1372	0.32203 0.49812	0.05511	-0.00528	0.004082
	STRING	$\frac{0}{2}$	248425	1287	286	0.43012 0.51935	0.04963	0.00085	0.001546
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	1	248436	1288	275	0.52199	0.03243	-0.00071	0.000773
	ChIP-Seq	$\overline{4}$	247258	1370	1368	0.49676	0.0062	-0.00259	0.002899
	STRING	3	248447	1265	285	0.51875	0.04889	0.00255	0.002362
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	3	248459	1265	273	0.52149	0.03174	0.00271	0.002362
	ChIP-Seq	19	247276	1352	1353	0.5008	0.00649	0.00841	0.013838
	STRING	3	248360	1352	285	0.51998	0.04935	0.00231	0.002211
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	3	248372	1352	273	0.5228	0.03202	0.00247	0.002211
	ChIP-Seq	3	247233	1395	1369	0.49954	0.0064	-0.00339	0.002143
	STRING	0	248337	1375	288	0.51951	0	-0.00253	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	2	248351	1373	274	0.52229	0.03159	0.00078	0.001447
	ChIP-Seq	12	247265	1363	1360	0.50098	0.00648	0.00326	0.008683
	STRING	0	249333	379	288	0.51924	0	-0.00132	0.0
COD IMI DOODD MD40 DMD*		1	0.400.40	270	075	0.50000	0.00000	0.0010	0.000000
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{1}{6}$	$249346 \\ 247018$	$378 \\ 1610$	$275 \\ 1366$	0.52383 0.50093	$0.03206 \\ 0.00648$	0.0018 -0.00194	$\begin{array}{c} 0.002639 \\ 0.003706 \end{array}$

Tabela 6: Tabular results for mHSC-GM problem considering the 500nTF configuration without self-loop.

Alg	RefNet	ТР	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	26	249578	198	198	0.55294	0.1534	0.11528	0.116071
PIDC	NonSpecific	16	249621	182	181	0.53929	0.149	0.08029	0.080808
	ChIP-Seq	27	245584	2195	2194	0.50176	0.01235	0.0033	0.012151
CENTER	STRING	12	249564	212	212	0.55673	0.15025	0.05272	0.053571
GENIE3	NonSpecific	2	249608	195	195	0.53903	0.13544	0.00937	0.010152
	ChIP-Seq STRING	19	245577	2202	2202	0.50113	0.01055	-0.00033	0.008555
GRNBOOST2	NonSpecific	$\frac{12}{5}$	$249564 \\ 249611$	$\frac{212}{192}$	$\frac{212}{192}$	$0.55624 \\ 0.53886$	0.13799 0.1197	$\begin{array}{c} 0.05272 \\ 0.02461 \end{array}$	$0.053571 \\ 0.025381$
GRNBOO512	ChIP-Seq	$\frac{3}{24}$	249611 245582	$\frac{192}{2197}$	$\frac{192}{2197}$	0.53660 0.50112	0.1197 0.01051	0.02401 0.00194	0.025361 0.010806
	STRING	0	249552	$\frac{2197}{224}$	$\frac{2197}{224}$	0.50112 0.55624	0.01031	-0.00194	0.010800
SINCERITIES	NonSpecific	0	249606	197	197	0.53886	0	-0.0003	0.0
	ChIP-Seq	$\frac{3}{24}$	245602	2177	2197	0.5022	0.01069	0.00203	0.010806
	STRING	3	249555	221	221	0.55372	0.11174	0.01251	0.013393
PPCOR	NonSpecific	1	249606	197	196	0.53743	0.07871	0.00428	0.005051
	ChIP-Seq	20	245577	2202	2201	0.50116	0.01002	0.00012	0.009001
	STRING	6	243967	5809	218	0.55337	0.10912	0.0007	0.001028
CGP-DSSPD-NR5-EXE1	NonSpecific	6	243994	5809	191	0.53715	0.07442	0.00134	0.001028
	ChIP-Seq	24	241988	5791	2197	0.49927	0.00949	-0.00782	0.004112
	STRING	2	243971	5805	222	0.5532	0.10787	-0.00284	0.000342
CGP-DSSPD-NR5-EXE2	NonSpecific	4	244000	5803	193	0.53685	0.07037	-0.00055	0.000684
	ChIP-Seq	55	242027	5752	2166	0.49941	0.00955	0.00097	0.009411
CCD DCCDD ND# EVE?	STRING	12	243950	5826	212	0.55516	0.10864	0.00599	0.002044
CGP-DSSPD-NR5-EXE3	NonSpecific ChIP-Seq	$\frac{13}{55}$	$243978 \\ 241996$	$5825 \\ 5783$	$\frac{184}{2166}$	$0.5391 \\ 0.49961$	$0.07008 \\ 0.0096$	0.00793 0.00089	0.002214 0.009366
	STRING	9 9	241990 243799	5163 5977	2160 215	0.49901 0.5551	0.0090 0.10824	0.00089 0.00318	0.009300 0.001495
CGP-DSSPD-NR5-EXE4	NonSpecific	$\frac{9}{4}$	243799 243821	5982	$\frac{213}{193}$	0.5389	0.10324 0.06798	-0.00067	0.001493 0.000664
CGI -DSSI D-NIG-EXE4	ChIP-Seq	66	243821 241859	5920	2155	0.50024	0.00738 0.00972	0.00358	0.01096
	STRING	8	243792	5984	2160	0.55474	0.10593	0.0023	0.01030 0.00133
CGP-DSSPD-NR5-EXE5	NonSpecific	8	243819	5984	189	0.54123	0.06871	0.00305	0.00133
	ChIP-Seq	63	241850	5929	2158	0.50041	0.00975	0.00272	0.010472
	STRING	1	248634	1142	223	0.55672	0.10691	-5e-05	0.000865
CGP-DSSPD-NR10-EXE1	NonSpecific	0	248660	1143	197	0.54093	0	-0.0019	0.0
	ChIP-Seq	8	246559	1220	2213	0.49987	0.00967	-0.00177	0.006446
	STRING	2	248650	1126	222	0.55637	0.10478	0.00197	0.001768
CGP-DSSPD-NR10-EXE2	NonSpecific	0	248675	1128	197	0.54059	0	-0.00189	0.0
	ChIP-Seq	18	246586	1193	2203	0.5011	0.00981	0.00445	0.014827
GGD DGGDD ND10 EVE	STRING	0	248635	1141	224	0.55619	0	-0.00203	0.0
CGP-DSSPD-NR10-EXE3	NonSpecific	0	$248662 \\ 246525$	1141	197	0.54043	0	-0.0019	$0.0 \\ 0.00788$
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$ \begin{array}{c} 10 \\ 0 \end{array} $	248678	$1254 \\ 1098$	$\frac{2211}{224}$	$0.50019 \\ 0.55596$	0.00968	-0.00074 -0.00199	0.00788
CGP-DSSPD-NR10-EXE4	NonSpecific	1	248706	1098 1097	196	0.53590 0.54001	0.05887	0.00199	0.000907
CGI -DSSI D-NIII0-EAE4	ChIP-Seq	12	246627	1152	2209	0.54001 0.5008	0.09887 0.00976	0.00029 0.00104	0.010274
	STRING	1	248698	1078	223	0.55549	0.09999	7e-05	0.000922
CGP-DSSPD-NR10-EXE5	NonSpecific	$\overline{2}$	248726	1077	195	0.54219	0.05917	0.0025	0.001843
	ChIP-Seq	15	246665	1114	2206	0.50173	0.00986	0.00316	0.013216
	STRING	2	249273	503	222	0.55481	0.09687	0.00461	0.00396
CGP-KM-BKM-NR10-EXE1	NonSpecific	1	249299	504	196	0.54177	0.05715	0.00191	0.00198
	ChIP-Seq	11	245185	2594	2210	0.50004	0.00967	-0.0051	0.004189
	STRING	3	248926	850	221	0.55668	0.09745	0.00513	0.003517
CGP-KM-BKM-NR10-EXE2	NonSpecific	2	248952	851	195	0.54406	0.05819	0.00325	0.002345
	ChIP-Seq	51	244849	2930	2170	0.49993	0.00965	0.00963	0.017097
CCD VIA DVIA ND40 EVEO	STRING	2	248038	1738	222	0.5565	0.09668	0.00071	0.001149
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	248063	1740	197	0.54387	0	-0.00235	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	4	$245016 \\ 248475$	$2763 \\ 1301$	$\frac{2217}{223}$	$0.49739 \\ 0.55638$	0.00941 0.09618	-0.00839 -0.00031	0.001434 0.000768
CGP-KM-BKM-NR10-EXE4	NonSpecific	$\frac{1}{0}$	248475 248501	1301 1302	$\frac{223}{197}$	0.53038 0.54387	0.09018	-0.00203	0.000708
CGI -KWI-DKWI-NI(IO-EXE4	ChIP-Seq	9	244989	$\frac{1302}{2790}$	$\frac{197}{2212}$	0.34587 0.49574	0.00929	-0.00203	0.003209
	STRING	1	249136	640	$\frac{2212}{223}$	0.45674 0.55632	0.00525 0.09594	0.00112	0.003203 0.00156
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	249162	641	197	0.54384	0.00001	-0.00142	0.0
	ChIP-Seq	19	245473	2306	2202	0.49703	0.00941	-0.00073	0.008162
	STRING	0	248627	1149	224	0.55586	0	-0.00203	0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	248654	1149	197	0.5437	0	-0.00191	0.0
	ChIP-Seq	7	246510	1269	2214	0.49622	0.00936	-0.00259	0.005469
	STRING	1	248671	1105	223	0.55533	0.09204	2e-05	0.000901
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	1	248698	1105	196	0.54353	0.05569	0.00028	0.000901
	ChIP-Seq	14	246434	1345	2207	0.49644	0.00938	0.00112	0.010271
0.01-	STRING	1	248625	1151	223	0.55515	0.09141	-6e-05	0.00086
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	248651	1152	197	0.54331	0	-0.00191	0.0
	ChIP-Seq	22	246439	1340	2199	0.49821	0.00955	0.00573	0.015988
CCD VM DCCDD MD40 PXP4	STRING	0	248623	1153	$\frac{224}{107}$	0.55486	0	-0.00204	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0 16	248650	1153	$\frac{197}{2205}$	0.54312	0 0.00062	-0.00191	0.0
	ChIP-Seq STRING	$\frac{16}{2}$	$246401 \\ 248628$	$1378 \\ 1148$	$\frac{2205}{222}$	0.49913 0.55684	$0.00962 \\ 0.09152$	0.00207 0.00192	0.011461 0.001735
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	1	248628 248654	1148 1149	$\frac{222}{196}$	0.53084 0.54284	0.09132 0.05289	0.00192 0.0002	0.001755 0.000867
CGI -IMI-DOOLD-MILIU-EAEO	ChIP-Seq	$\frac{1}{13}$	246034 246423	1356	$\frac{190}{2208}$	0.34284 0.4993	0.05289 0.00964	0.0002 0.00048	0.000807 0.009475
	Omr-boq	10	210120	1000	2200	0.4000	0.00004	0.00040	0.009410

Tabela 7: Tabular results for mHSC-L problem considering the 500nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
DYD G	STRING	20	249789	96	95	0.57986	0.17355	0.17278	0.172414
PIDC	NonSpecific	12	249576	206	206	0.52569	0.08153	0.05422	0.055046
	ChIP-Seq	36	243412	3276	3276	0.4989	0.01378	-0.00241	0.01087
CENTER	STRING	12	249782	103	103	0.58374	0.16805	0.10394	0.104348
GENIE3	NonSpecific	6	249570	212	212	0.52523	0.07193	0.02667	0.027523
	ChIP-Seq	39	243415	3273	3273	0.49861	0.01401	-0.00149	0.011775
CDMDOOCTO	STRING	5	249775	110	110	0.58343	0.16217	0.04304	0.043478
GRNBOOST2	NonSpecific	5	249569	213	213	0.52508	0.06383	0.02208	0.022936
	ChIP-Seq	46	243422	3266	3266	0.49991	0.01498	0.00065	0.013889
CINCEDITIES	STRING	0	249794	91	115	0.5833	0	-0.00041	$0.0 \\ 0.0$
SINCERITIES	NonSpecific ChIP-Seq	$0 \\ 22$	$249596 \\ 243648$	$\frac{186}{3040}$	$\frac{218}{3290}$	$0.52476 \\ 0.49684$	$0 \\ 0.01372$	-0.00081 -0.0059	0.006643
	STRING	1	243048 249770	115	$\frac{3290}{114}$	0.49084 0.58179	0.01372 0.14371	0.0039 0.0082	0.008621
PPCOR	NonSpecific	0	249770 249564	$\frac{113}{218}$	218	0.52314	0.14371	-0.00087	0.008021
FFCOR	ChIP-Seq	$\frac{0}{37}$	249504 243535	3153	3275	0.32314 0.49492	0.01344	-0.00087	0.011599
	STRING	3	243933	5964	112	0.43452 0.58167	0.01344 0.14252	0.00031	0.0011533 0.000503
CGP-DSSPD-NR5-EXE1	NonSpecific	10	243825	5957	208	0.52269	0.14252 0.03791	0.00031 0.00426	0.000505 0.001676
CGI-DSSI D-MG-EALI	ChIP-Seq	96	240817	5871	3216	0.49653	0.03731 0.01416	0.00420 0.00388	0.001070
	STRING	2	243943	5942	113	0.58116	0.01410 0.13798	-0.0009	0.0100336
CGP-DSSPD-NR5-EXE2	NonSpecific	$\frac{2}{4}$	243842	5940	214	0.52110 0.52242	0.03643	-0.00105	0.000673
CG1-DSS1 D-NIG-LALZ	ChIP-Seq	87	240831	5857	3225	0.49663	0.03043 0.01432	0.00105	0.014637
	STRING	3	243665	6220	112	0.58091	0.13585	0.00100	0.000482
CGP-DSSPD-NR5-EXE3	NonSpecific	7	243566	6216	211	0.52197	0.03432	0.00010 0.00137	0.000402
	ChIP-Seq	79	240544	6144	3233	0.49605	0.03432 0.01431	-0.00077	0.001125 0.012695
	STRING	7	243605	6280	108	0.58066	0.01431 0.1338	0.00489	0.012030 0.001113
CGP-DSSPD-NR5-EXE4	NonSpecific	7	243502	6280	211	0.52143	0.03214	0.00131	0.001113
	ChIP-Seq	110	240511	6177	3202	0.49917	0.01487	0.00597	0.017496
	STRING	1	243858	6027	114	0.58053	0.13281	-0.00216	0.000166
CGP-DSSPD-NR5-EXE5	NonSpecific	0	243754	6028	218	0.521	0	-0.00464	0.0
	ChIP-Seq	78	240738	5950	3234	0.49917	0.01487	-0.00042	0.01294
	STRING	2	248613	1272	113	0.58028	0.13089	0.0037	0.00157
CGP-DSSPD-NR10-EXE1	NonSpecific	0	248508	1274	218	0.52063	0	-0.00211	0.0
	ChIP-Seq	22	245363	1325	3290	0.49958	0.01497	0.00199	0.016333
	STRING	0	248636	1249	115	0.58016	0	-0.00152	0.0
CGP-DSSPD-NR10-EXE2	NonSpecific	1	248534	1248	217	0.52253	0.03028	-0.00017	0.000801
	ChIP-Seq	12	245387	1301	3300	0.49881	0.01486	-0.00261	0.009139
	STRING	1	248724	1161	114	0.5799	0.12815	0.00128	0.000861
CGP-DSSPD-NR10-EXE3	NonSpecific	1	248621	1161	217	0.52226	0.02955	-3e-05	0.000861
	ChIP-Seq	10	245488	1200	3302	0.49816	0.01477	-0.00304	0.008264
	STRING	1	248750	1135	114	0.58384	0.12981	0.00132	0.00088
CGP-DSSPD-NR10-EXE4	NonSpecific	1	248647	1135	217	0.52196	0.02881	2e-05	0.00088
	ChIP-Seq	24	245527	1161	3288	0.49964	0.01499	0.00423	0.020253
	STRING	0	248671	1214	115	0.58346	0	-0.0015	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	1	248569	1213	217	0.52144	0.02771	-0.00011	0.000824
	ChIP-Seq	21	245430	1258	3291	0.50007	0.01505	0.00199	0.016419
CCD IVM DIVM ND40 EVE1	STRING	0	248967	918	115	0.5822	0	-0.0013	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	1	248865	917	217	0.52092	0.02668	0.00045	0.001089
	ChIP-Seq	21	242934	3754	3291	0.49714	0.01472	-0.00832	0.005563
CCD IZM DIZM ND10 EVE0	STRING	1	248810	1075	114	0.58187	0.11737	0.00144	0.000929
CGP-KM-BKM-NR10-EXE2	NonSpecific	4	248710	1072	$\frac{214}{2270}$	0.52061	0.02571	0.00634	0.003717
	ChIP-Seq STRING	33	242621	$\frac{4067}{752}$	3279	0.49551	0.01457	-0.00587	0.008049
CGP-KM-BKM-NR10-EXE3	NonSpecific	$\frac{1}{2}$	$249133 \\ 249031$	$752 \\ 751$	$\begin{array}{c} 114 \\ 216 \end{array}$	$0.58174 \\ 0.52056$	$0.1167 \\ 0.02562$	0.00222 0.00332	$0.001328 \\ 0.002656$
CGP-KM-DKM-NK10-EAE3	ChIP-Seq	$\frac{2}{25}$	249031 242494	4194	$\frac{210}{3287}$	0.32030 0.49327	0.02502 0.01435	-0.00839	0.002636 0.005926
	STRING	$\frac{25}{1}$	242494 249243	642	3287 114	0.49527 0.5858	0.01435 0.11921	0.00259	0.003920 0.001555
CGP-KM-BKM-NR10-EXE4	NonSpecific	1	249243 249140	642	217	0.52044	0.11921 0.02541	0.00239 0.00118	0.001555
CGI -KWI-DKWI-NI(IO-EXE4	ChIP-Seq	58	249140 242840	3848	$\frac{217}{3254}$	0.32044 0.49406	0.02541 0.01448	0.00118 0.00176	0.001333 0.014849
	STRING	1	242840 249273	612	$\frac{3234}{114}$	0.49400 0.5858	0.01448 0.11921	0.00170 0.00271	0.014849 0.001631
CGP-KM-BKM-NR10-EXE5	NonSpecific	$\frac{1}{2}$	249273 249171	611	$\frac{114}{216}$	0.52029	0.11921 0.02515	0.00271 0.00402	0.001031 0.003263
CG1 -KWI-DKWI-WILIO-EXES	ChIP-Seq	$\frac{2}{34}$	243171 243274	3414	$\frac{210}{3278}$	0.32029 0.4939	0.02313 0.01449	-0.00402	0.003203 0.009861
	STRING	1	248738	1147	114	0.4955 0.58567	0.01445 0.11855	0.0013	0.003801 0.000871
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	248634	1148	218	0.53507 0.51981	0.11655	-0.00201	0.000371
CGI -KWI-DSSI D-MICIO-EXEI	ChIP-Seq	16	245327	1361	3296	0.49356	0.01446	-0.00201	0.011619
	STRING	1	248794	1091	114	0.49550 0.58542	0.01440 0.11727	0.00100	0.0011013 0.000916
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	$\stackrel{1}{4}$	248694	1088	214	0.52171	0.02514	0.00141 0.00626	0.003663
COLUMN DOOLD-WILLO-EAE2	ChIP-Seq	$\frac{4}{12}$	245094 245331	1357	3300	0.32171 0.49324	0.02314 0.01445	-0.00291	0.003003 0.008766
	STRING	1	248635	1250	114	0.49524 0.58529	0.01445 0.11665	0.00291 0.00112	0.000799
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	3	248534	1248	215	0.52598	0.02724	0.00112 0.00367	0.000799 0.002398
COL TIME DOOL DIVINIONED	ChIP-Seq	3 19	245334 245206	1482	$\frac{210}{3293}$	0.49342	0.02724 0.01449	-0.0004	0.002598 0.012658
	STRING	1	248749	1136	114	0.49542 0.58516	0.01443 0.11603	0.00132	0.00088
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	5	248650	1132	213	0.52541	0.02636	0.00192 0.00807	0.004398
	ChIP-Seq	$\frac{3}{38}$	245050 245371	1317	3274	0.49596	0.02030 0.01477	0.00955	0.004936 0.028044
	STRING	2	248849	1036	113	0.58516	0.11603	0.00333	0.020011 0.001927
									·
CGP-KM-DSSPD-NR10-EXE5				1037	217	0.52496	0.02573	0.0002	0.000963
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	1 6	$248745 \\ 245368$	$1037 \\ 1320$	$217 \\ 3306$	$0.52496 \\ 0.49476$	0.02573 0.01467	0.0002 -0.00557	0.000963 0.004525

1.2 Considering Self-Loop

Tabela 8: Tabular results for hESC problem considering the 500nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	0	249740	130	130	0.49976	0	-0.00052	0.0
PIDC	NonSpecific	0	249880	60	60	0.5	0	-0.00024	0.0
	ChIP-Seq	0	248872	568	560	0.49972	0	-0.00226	0.0
CENTES	STRING	0	249740	130	130	0.49964	0	-0.00052	0.0
GENIE3	NonSpecific	0	249880	60	60	0.5	0	-0.00024	0.0
	ChIP-Seq STRING	$\frac{2}{0}$	$248875 \\ 249740$	$\frac{565}{130}$	$558 \\ 130$	$0.50102 \\ 0.49964$	0.00966	0.0013 -0.00052	0.003527 0.0
GRNBOOST2	NonSpecific	0	249740	60	60	0.49964 0.5	0	-0.00032 -0.00024	0.0
GRNDOOS12	ChIP-Seq	5	249880	562	555	0.50338	0.01481	0.00663	0.008818
	STRING	0	249741	129	130	0.49964	0.01401	-0.00052	0.00
SINCERITIES	NonSpecific	0	249881	59	60	0.5	0	-0.00024	0.0
	ChIP-Seq	3	248893	547	557	0.50463	0.0113	0.00319	0.005291
	STRING	0	249375	495	130	0.49784	0	-0.00102	0.0
PPCOR	NonSpecific	0	249445	495	60	0.49904	0	-0.00069	0.0
	ChIP-Seq	0	248881	559	560	0.50293	0	-0.00224	0.0
	STRING	1	249536	334	129	0.49766	0.00768	0.00396	0.002933
CGP-DSSPD-NR5-EXE1	NonSpecific	0	249872	68	60	0.49904	0	-0.00026	0.0
	ChIP-Seq STRING	40	$241476 \\ 249539$	$7964 \\ 331$	$520 \\ 130$	$0.50703 \\ 0.49754$	0.00978	0.01061 -0.00083	$0.004876 \\ 0.0$
CGP-DSSPD-NR5-EXE2	NonSpecific	0	249339 249873	551 67	60	0.49754 0.49891	0	-0.00085	0.0
CGI -DSSI D-NIG-EXE2	ChIP-Seq	13	242422	7018	547	0.49691 0.50594	0.00869	-0.00023	0.001808
	STRING	0	249526	344	130	0.49736	0	-0.00085	0.0
CGP-DSSPD-NR5-EXE3	NonSpecific	0	249874	66	60	0.49891	0	-0.00025	0.0
	ChIP-Seq	23	241457	7983	537	0.50678	0.0087	0.00244	0.002821
	STRING	0	249529	341	130	0.49736	0	-0.00084	0.0
CGP-DSSPD-NR5-EXE4	NonSpecific	0	249871	69	60	0.49891	0	-0.00026	0.0
	ChIP-Seq	32	240600	8840	529	0.50954	0.00942	0.00553	0.003529
	STRING	0	249497	373	130	0.49736	0	-0.00088	0.0
CGP-DSSPD-NR5-EXE5	NonSpecific	0	249872	68	60	0.49891	0	-0.00026	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	14 1	$241133 \\ 248551$	$8307 \\ 1319$	547 129	$0.50971 \\ 0.49712$	0.00921 0.00768	-0.0022 0.00076	0.001639 0.000741
CGP-DSSPD-NR10-EXE1	NonSpecific	1 1	248621	1319 1319	59	0.49712 0.49891	0.00708 0.00806	0.00076 0.00243	0.000741 0.000741
CGI-DSSI D-MITO-EXEI	ChIP-Seq	1	248021 248121	1319	559	0.49891 0.50868	0.00859	-0.00243	0.000741 0.000741
	STRING	0	248575	1295	130	0.4967	0.00000	-0.00165	0.0
CGP-DSSPD-NR10-EXE2	NonSpecific	0	248645	1295	60	0.49863	0	-0.00112	0.0
	ChIP-Seq	6	248151	1289	554	0.51032	0.00884	0.00365	0.004542
	STRING	3	247971	1899	127	0.49658	0.00768	0.00406	0.001528
CGP-DSSPD-NR10-EXE3	NonSpecific	0	249841	99	60	0.49863	0	-0.00031	0.0
	ChIP-Seq	3	247541	1899	557	0.50941	0.00842	-0.00123	0.001528
CGP-DSSPD-NR10-EXE4	STRING NonSpecific	1	$248502 \\ 248572$	$1368 \\ 1368$	129 59	$0.49622 \\ 0.49863$	0.00768 0.00806	$0.00068 \\ 0.00235$	0.000709 0.000709
CGF-D55FD-NRI0-EAE4	NonSpecific ChIP-Seq	$\frac{1}{6}$	248077	1363	$\frac{59}{554}$	0.49803 0.51021	0.00800 0.00851	0.00235 0.00336	0.000709 0.004255
	STRING	0	248577 248553	1317	130	0.4958	0.00331	-0.00166	0.004255
CGP-DSSPD-NR10-EXE5	NonSpecific	0	248623	1317	60	0.4985	0	-0.00113	0.0
	ChIP-Seq	8	248130	1310	553	0.51082	0.00848	0.00589	0.005957
	STRING	1	249225	645	129	0.49538	0.00768	0.0023	0.001524
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	249294	646	60	0.4985	0	-0.00079	0.0
	ChIP-Seq	3	248797	643	557	0.51292	0.00889	0.00259	0.004573
	STRING	1	249153	717	129	0.49508	0.00768	0.00205	0.001385
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	249222	718	60	0.4985	0	-0.00083	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	1	248723	$717 \\ 305$	559	0.51253	0.00875	-0.00096	0.001385 0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	$0 \\ 0$	$249565 \\ 249635$	305	130 60	$0.49478 \\ 0.49836$	0	-0.0008 -0.00054	$0.0 \\ 0.0$
COL INITIALITY DISTRIBUTION DIS	ChIP-Seq	3	249035 248791	649	557	0.43650 0.51457	0.00904	0.00255	0.00458
	STRING	1	249276	594	129	0.49478	0.00768	0.00249	0.001626
$CGP ext{-}KM ext{-}BKM ext{-}NR10 ext{-}EXE4$	NonSpecific	0	249345	595	60	0.49836	0	-0.00076	0.0
	ChIP-Seq	4	248849	591	556	0.5152	0.00915	0.00463	0.006504
	STRING	0	249299	571	130	0.49466	0	-0.00109	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	249369	571	60	0.49822	0	-0.00074	0.0
	ChIP-Seq	8	248877	563	552	0.51861	0.00973	0.01191	0.013889
CGP-KM-DSSPD-NR10-EXE1	STRING NonSpecific	$0 \\ 0$	$248485 \\ 248555$	$1385 \\ 1385$	130 60	$0.4943 \\ 0.49822$	0	-0.0017 -0.00116	$0.0 \\ 0.0$
CGI -KWI-DSSI D-NICIO-EXEI	ChIP-Seq	$\frac{0}{2}$	248055	1383	558	0.49822 0.51747	0.00931	-0.00110	0.001405
	STRING	0	249603	267	130	0.49424	0.00331	-0.00120	0.001403
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0	249673	267	60	0.49424 0.49822	0	-0.00013	0.0
3-3 	ChIP-Seq	$\overset{\circ}{2}$	247425	2015	558	0.5167	0.00906	-0.00238	0.000972
	STRING	3	248567	1303	127	0.494	0.00768	0.00565	0.002257
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	1	248635	1305	59	0.49822	0.00806	0.00246	0.000752
	ChIP-Seq	1	248135	1305	559	0.51556	0.00873	-0.00226	0.000752
COD IMA DOODD ND 12 TWO	STRING	1	248516	1354	129	0.49388	0.00768	0.00071	0.000728
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0	248585	1355	60	0.49809	0	-0.00114	0.0
	ChIP-Seq STRING	$\frac{5}{3}$	$248090 \\ 248506$	$1350 \\ 1364$	555 127	$0.51532 \\ 0.4934$	0.00858	0.00226 0.00545	0.003642 0.002168
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	0	248506 248573	1364 1367	60	0.4934 0.49809	0.00768	-0.00545	0.002168 0.0
COL-IMI-DOOLD-MILIU-EAEO	ChIP-Seq	$\frac{0}{2}$	248075	1367	558	0.49809 0.51418	0.00831	-0.00113	0.001445
	J.111 DOY		_ 10010	1000	550	0.01110	5.55551	J.JU122	J.JJI 140

Tabela 9: Tabular results for hHep problem considering the 500nTF configuration with self-loop.

PIDC	0.00039 0 0.00149 0 0.00074 0 0.00041 0 0.00152 0 0.00315 0 0.00041 0 0.00082 0 0.0004 0 0.00149 0 0.00182 0 0.00089 0 0.00541 0 0.00541 0 0.00054 0 0.00054 0 0.00054 0 0.00054 0 0.00013 0 0.00016 0 0.00065 0 0.00344 0	0.009592 0.0 0.0 0.002404 0.0 0.002404 0.0 0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
ChIP-Seq 0 249257 367 376 0.49935 0 249110 0.50169 0.02053 0 0.02054 0 0	0.00149	0.0 0.002404 0.0 0.0 0.004808 0.0 0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.0
STRING 1 249169 415 415 0.50169 0.02053 0.069 0.02053 0.069 0.02053 0.069 0.02053 0.069 0.02053 0.069 0.02053 0.069 0.02053 0.069 0.02053 0.069 0.069 0.069 0.02053 0.069	0.00074 0 0.00041 0 0.00152 0 0.00315 0 0.00041 0 0.00152 0 0.00082 0 0.0004 0 0.00149 0 0.00182 0 0.00089 0 0.00173 0 0.00541 0 0.00066 0 0.00021 0 0.00134 0 0.00066 0 0.0012 0 0.00016 0 0.00065 0 0.00344 0	0.002404 0.0 0.0 0.004808 0.0 0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.0
GENIE3 NonSpecific ChIP-Seq (DiIP-Seq 2) 0 249797 249243 101 381 0.49993 381 0 248944 381 376 381 0.49894 381 0 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 248948 24	0.00041 0 0.00152 0 0.00315 0 0.00041 0 0.00082 0 0.0004 0 0.00149 0 0.00182 0 0.00089 0 0.00541 0 0.000541 0 0.000541 0 0.000134 0 0.00134 0 0.0012 0 0.00066 0 0.00065 0 0.00344 0	0.0 0.0 0.004808 0.0 0.0 0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.0
ChIP-Seq 0 249243 381 376 0.49894 0 57RING 2 249170 414 414 0.50177 0.01931 0 57RING 2 249170 414 414 0.50177 0.01931 0 57RING 0 249797 102 101 0.49993 0 57RING 1 249184 400 415 0.50249 0.0202 0 57RING 1 249184 400 415 0.50249 0.0202 0 57RING 0 249257 367 376 0.49874 0 57RING 0 249257 367 376 0.49807 0 57RING 0 249090 494 416 0.49982 0 57RING 0 249090 494 416 0.49982 0 57RING 0 249180 494 416 0.4985 0 57RING 0 249180 494 376 0.49708 0 57RING 0 249180 494 376 0.49708 0 57RING 0 249633 266 101 0.49836 0 57RING 0 249633 266 101 0.49836 0 57RING 0 249633 266 101 0.49823 0 57RING 0 249637 262 101 0.49823 0 57RING 0	0.00152 0 0.00315 0 0.00041 0 0.00152 0 0.00082 0 0.0004 0 0.00149 0 0.00182 0 0.00183 0 0.00173 0 0.00541 0 0.00044 0 0.00040 0 0.00041 0 0.00040 0 0.00134 0 0.00016 0 0.00065 0 0.00344 0	0.0 0.004808 0.0 0.0 0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.0
GRNBOOST2 STRING 2 249170 414 414 0.50177 0.01931 0 GRNBOOST2 NonSpecific ChIP-Seq 0 249797 102 101 0.49993 0 -4 ChIP-Seq 0 249243 381 376 0.49874 0 -4 STRING 1 249184 400 415 0.50249 0.0202 0 SINCERITIES NonSpecific ChIP-Seq 0 249800 99 101 0.49961 0 -4 ChIP-Seq 0 249257 367 376 0.49807 0 -4 STRING 0 249090 494 416 0.49982 0 -4 PPCOR NonSpecific 0 249405 494 101 0.49855 0 -4 CHIP-Seq 0 249130 494 376 0.49708 0 -4 CGP-DSSPD-NR5-EXE1 NonSpecific 0 249633 266 101	0.00315 0 0.00041 0 0.00152 0 0.00082 0 0.0004 0 0.00149 0 0.00182 0 0.00089 0 0.00173 0 0.00541 0 0.00066 0 0.000134 0 0.00016 0 0.00016 0 0.00065 0 0.00344 0	0.004808 0.0 0.0 0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.0
GRNBOOST2 NonSpecific ChIP-Seq ChIP-Seq O 249243 381 376 376 0.49874 0 249243 381 376 0.49874 0 249243 381 376 0.49874 0 249243 381 376 0.49874 0 249243 0.2020 0 249184 400 415 0.50249 0.02020 0.0202 0.0202 0 0 249184 400 415 0.50249 0.02020 0.0202 0.0202 0 0 249184 400 415 0.50249 0.02020 0.0202 0.0202 0 0 249184 400 415 0.49961 0 0 249184 400 415 0.49961 0 249257 367 376 0.49807 0 0 249257 367 376 0.49807 0 0 249257 367 376 0.49807 0 249257 376 0.49807 0 249257 376 0.49807 0 249257 376 0.49807 0 249257 376 0.49880 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257 376 0.498807 0 249257	0.00041 0 0.00152 0 0.00082 0 0.0004 0 0.00149 0 0.00182 0 0.00089 0 0.00541 0 0.00066 0 0.00021 0 0.00134 0 0.00012 0 0.00016 0 0.00065 0 0.00344 0	0.0 0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.0
ChIP-Seq 0 249243 381 376 0.49874 0 0.49874 0 0.49874 0 0.49874 0 0.49874 0 0.49874 0 0.49981 0.49981 0.49981 0.49981 0.49981 0.49981 0.49981 0.49981 0.49982 0.49808 0.49	0.00152 0 0.00082 0 0.0004 0 0.00149 0 0.00182 0 0.00089 0 0.00541 0 0.00066 0 0.00134 0 0.0012 0 0.00016 0 0.00065 0 0.00344 0	0.0 0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.002747 0.0 0.001428 0.001341
STRING 1 249184 400 415 0.50249 0.0202 0 SINCERITIES NonSpecific 0 249800 99 101 0.49961 0 ChIP-Seq 0 249257 367 376 0.49807 0 STRING 0 249090 494 416 0.49982 0 STRING 0 249090 494 416 0.49982 0 ChIP-Seq 0 249130 494 376 0.49708 0 ChIP-Seq 0 249130 494 376 0.49708 0 STRING 25 240718 8866 391 0.50132 0.0173 0 CGP-DSSPD-NR5-EXE1 NonSpecific 0 249633 266 101 0.49836 0 ChIP-Seq 13 240746 8878 363 0.4964 0.00132 STRING 12 240880 8704 404 0.50066 0.01662 CGP-DSSPD-NR5-EXE2 NonSpecific 0 249633 266 101 0.49823 0 CHIP-Seq 11 240918 8706 366 0.49717 0.00173 STRING 14 241002 8582 402 0.50025 0.01625 CGP-DSSPD-NR5-EXE3 NonSpecific 0 249637 262 101 0.49823 0 CHIP-Seq 19 241047 8577 357 0.498 0.00206 0 STRING 20 240541 9043 396 0.49957 0.0157 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 CGP-DSSPD-NR5-EXE4	0.00082 0 0.0004 0 0.00149 0 0.00182 0 0.00089 0 0.00541 0 0.00066 0 0.000134 0 0.00012 0 0.00016 0 0.00065 0 0.00344 0	0.002404 0.0 0.0 0.0 0.0 0.0 0.0 0.002747 0.0 0.001428 0.001341
NonSpecific O 249800 99 101 0.49961 0 O C C C C C C C C C	0.0004 0 0.00149 0 0.00182 0 0.00089 0 0.00173 0 0.00541 0 0.00066 0 0.00021 0 0.00134 0 0.00066 0 0.0012 0 0.0012 0 0.00016 0 0.00065 0 0.00344 0	0.0 0.0 0.0 0.0 0.0 0.0 0.002747 0.0 0.001428 0.001341
STRING O 249090 494 416 0.49982 O C C C NonSpecific O 249405 494 101 0.4985 O C C C C C C C C C	0.00182 0 0.00089 0 0.00173 0 0.00541 0 0.00066 0 0.00134 0 0.00066 0 0.0012 0 0.00016 0 0.00065 0 0.00344 0	0.0 0.0 0.0 0.002747 0.0 0.001428 0.001341
PPCOR NonSpecific ChIP-Seq 0 249405 494 101 0.4985 0	0.00089 0 0.00173 0 0.00541 0 0.00066 0 0.00134 0 0.0012 0 0.00016 0 0.00065 0 0.00344 0	0.0 0.0 0.002747 0.0 0.001428 0.001341
ChIP-Seq 0 249130 494 376 0.49708 0 5TRING 25 240718 8866 391 0.50132 0.0173 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00173 0 0.00541 0 0.00066 0 0.00021 0 0.00134 0 0.0012 0 0.00016 0 0.00065 0 0.00344 0).0).002747).0).001428).001341
CGP-DSSPD-NR5-EXE1 NonSpecific 0 249633 266 101 0.49836 0 CGP-DSSPD-NR5-EXE1 NonSpecific 0 249633 266 101 0.49836 0 ChIP-Seq 13 240746 8878 363 0.4964 0.00132 STRING 12 240880 8704 404 0.50066 0.01662 CGP-DSSPD-NR5-EXE2 NonSpecific 0 249633 266 101 0.49823 0 ChIP-Seq 11 240918 8706 366 0.49717 0.00173 STRING 14 241002 8582 402 0.50025 0.01625 CGP-DSSPD-NR5-EXE3 NonSpecific 0 249637 262 101 0.49823 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 STRING 20 240541 9043 396 0.49957 0.0157 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0	0.00541 0 0.00066 0 0.00021 0 0.00134 0 0.0066 0 0.0012 0 0.00016 0 0.00344 0	0.002747 0.0 0.001428 0.001341
CGP-DSSPD-NR5-EXE1 NonSpecific OLIP-Seq 13 249633 266 101 0.49836 0	0.00066 0 0.00021 0 0.00134 0 0.00066 0 0.0012 0 0.00016 0 0.00065 0 0.00344 0	0.0 0.001428 0.001341
ChIP-Seq 13 240746 8878 363 0.4964 0.00132 - CORP-DSSPD-NR5-EXE2 NonSpecific 0 249633 266 101 0.49823 0 ChIP-Seq 11 240918 8706 366 0.49717 0.00173 - CORP-DSSPD-NR5-EXE3 NonSpecific 0 249637 262 101 0.49823 0 ChIP-Seq 14 241002 8582 402 0.50025 0.01625 - CORP-DSSPD-NR5-EXE3 NonSpecific 0 249637 262 101 0.49823 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 STRING 20 240541 9043 396 0.49957 0.0157 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 STRING 20 240541 9043 396 0.49957 0.0157 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0 ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 CHIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 CHIP-Seq 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NONSPECIFIC 0 CHIP-SEQ 19 241047 8577 357 0.498 0.00206 0 CGP-DSSPD-NR5-EXE4 NONSPECIFIC 0 CHIP-SEQ 19 241047 8577 3	0.00021 0 0.00134 0 0.00066 0 0.0012 0 0.00016 0 0.00065 0	0.001428 0.001341
STRING 12 240880 8704 404 0.50066 0.01662 - CGP-DSSPD-NR5-EXE2 NonSpecific 0 249633 266 101 0.49823 0 - ChIP-Seq 11 240918 8706 366 0.49717 0.00173 - CGP-DSSPD-NR5-EXE3 NonSpecific 0 249637 262 101 0.49823 0 - CGP-DSSPD-NR5-EXE3 NonSpecific 0 249637 262 101 0.49823 0 - CGP-DSSPD-NR5-EXE4 NonSpecific 0 240541 9043 396 0.49957 0.0157 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00134 0 0.00066 0 0.0012 0 0.00016 0 0.00065 0	0.001341
CGP-DSSPD-NR5-EXE2 NonSpecific OLIP-Seq 0 249633 266 101 0.49823 0	0.00066 0 0.0012 0 0.00016 0 0.00065 0	
ChIP-Seq 11 240918 8706 366 0.49717 0.00173 - Corporation of the corpo	0.0012 0 0.00016 0 0.00065 0 0.00344 0	,
STRING 14 241002 8582 402 0.50025 0.01625	0.00016 0 0.00065 0 0.00344 0	0.001229
ChIP-Seq 19 241047 8577 357 0.498 0.00206 0 STRING 20 240541 9043 396 0.49957 0.0157 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0	0.00344 0	0.001596
STRING 20 240541 9043 396 0.49957 0.0157 0 CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0		0.0
CGP-DSSPD-NR5-EXE4 NonSpecific 0 249613 286 101 0.4981 0	00050	0.002166
		0.002153
		0.0
		0.00226
		0.00251
•).0).000982
•		0.000982 0.000524
		0.000524
•		0.000524
·		0.004496
CGP-DSSPD-NR10-EXE2 NonSpecific 0 249784 115 101 0.49784 0	0.00043 0	0.0
*	0.00108 0	0.000999
		0.002935
•		0.0
•		0.002446
		0.002956 0.000739
		0.003695
·		0.000546
		0.0
		0.008188
STRING 13 248250 1334 403 0.50483 0.01875 0	0.01442 0	0.009468
•		0.0
•		0.010925
		0.0
•		0.0
•		0.00277 0.000814
		0.000814 0.000814
1		0.0057
*		0.002746
		0.000343
•	0.00741 0	0.004119
STRING 0 247945 1639 416 0.50169 0 -	0.00332 0	0.0
1		0.0
•		0.0
		0.0
1		0.0
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1).0).0
•		0.001671
		0.001071 0.002228
1		0.002220 0.007799
		0.002198
		0.0
ChIP-Seq 0 249171 453 376 0.51305 0		0.0
	0.00227 0	
•		0.0
ChIP-Seq 0 247927 1697 376 0.51232 0 -	0.00076 0).0).000573).0

Tabela 10: Tabular results for mDC problem considering the 500nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
DID C	STRING	1	249749	125	125	0.50323	0.04999	0.00744	0.007937
PIDC	NonSpecific	0	249932	$\frac{34}{26}$	$\frac{34}{26}$	0.5	0	-0.00014	0.0
	ChIP-Seq STRING	0	$249928 \\ 249748$	$\frac{36}{126}$	$\frac{36}{126}$	$0.5 \\ 0.50309$	0	-0.00014 -0.0005	$0.0 \\ 0.0$
GENIE3	NonSpecific	0	249140 249932	34	$\frac{120}{34}$	0.50509	0	-0.0003	0.0
GENES	ChIP-Seq	0	249928	36	36	0.5	0	-0.00014	0.0
	STRING	0	249748	126	126	0.50302	0	-0.0005	0.0
GRNBOOST2	NonSpecific	0	249932	34	34	0.5	0	-0.00014	0.0
	ChIP-Seq	0	249928	36	36	0.5	0	-0.00014	0.0
	STRING	0	0	0	0	0	0	0	0
SINCERITIES	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	0	249374	500	126	0.50189	0	-0.00101	0.0
PPCOR	NonSpecific	0	249466	500	34	0.5	0	-0.00052	0.0
	ChIP-Seq	0	249464	500	36	0.49911	0	-0.00054	0.0
CCD DCCDD ND# EVE1	STRING NanSpasific	0	249700	174	126	0.50136	0	-0.00059	0.0
CGP-DSSPD-NR5-EXE1	NonSpecific ChIP-Seq	$\frac{1}{0}$	$249793 \\ 249790$	$173 \\ 174$	$\frac{33}{36}$	$0.5 \\ 0.49911$	$0.51561 \\ 0$	0.0127 -0.00032	0.005747 0.0
	STRING	0	249790	181	126	0.49911 0.50096	0	-0.00032	0.0
CGP-DSSPD-NR5-EXE2	NonSpecific	0	249095 249785	181	$\frac{120}{34}$	0.50030	0	-0.00031	0.0
OGI -DSSI D-IVIG-EXEZ	ChIP-Seq	0	249783	181	36	0.49911	0	-0.00031	0.0
	STRING	0	249725	149	126	0.50056	0	-0.00055	0.0
CGP-DSSPD-NR5-EXE3	NonSpecific	0	249817	149	34	0.5	0	-0.00028	0.0
	ChIP-Seq	0	249815	149	36	0.49911	0	-0.00029	0.0
	STRING	0	249681	193	126	0.50022	0	-0.00062	0.0
CGP-DSSPD-NR5-EXE4	NonSpecific	0	249773	193	34	0.49953	0	-0.00032	0.0
	ChIP- Seq	0	249771	193	36	0.49911	0	-0.00033	0.0
	STRING	1	249698	176	125	0.50364	0.02365	0.0061	0.00565
CGP-DSSPD-NR5-EXE5	NonSpecific	0	249789	177	34	0.49953	0	-0.00031	0.0
	ChIP-Seq	0	249787	177	36	0.49911	0	-0.00032	0.0
CCD DCCDD ND10 EVE1	STRING	6	247866	2008	120	0.50364	0.02365	0.00994	0.002979
CGP-DSSPD-NR10-EXE1	NonSpecific ChIP-Seq	1	247953	2013	33 33	0.49953	0.01561	0.00279	0.000497
	STRING	$\frac{3}{1}$	$247953 \\ 247818$	$2011 \\ 2056$	$\frac{33}{125}$	$0.49911 \\ 0.50337$	0.01557 0.02278	0.01011 -7e-05	0.00149 0.000486
CGP-DSSPD-NR10-EXE2	NonSpecific	1	247818 247910	2056	$\frac{125}{33}$	0.30337 0.49953	0.02278 0.01561	0.00274	0.000486
CGI -DSSI D-MIIO-EXE2	ChIP-Seq	0	247910 247907	2050 2057	36	0.49933 0.49911	0.01301	-0.00109	0.000480
	STRING	1	247816	2058	125	0.49311 0.50317	0.02219	-7e-05	0.000486
CGP-DSSPD-NR10-EXE3	NonSpecific	1	247908	2058	33	0.49953	0.01561	0.00273	0.000486
	ChIP-Seq	0	247905	2059	36	0.49911	0	-0.00109	0.0
	STRING	0	247718	2156	126	0.5029	0	-0.00209	0.0
CGP-DSSPD-NR10-EXE4	NonSpecific	0	247810	2156	34	0.49953	0	-0.00109	0.0
	ChIP- Seq	1	247809	2155	35	0.49911	0.01557	0.00249	0.000464
	STRING	4	247612	2262	122	0.50284	0.0213	0.00537	0.001765
CGP-DSSPD-NR10-EXE5	NonSpecific	0	247700	2266	34	0.49953	0	-0.00112	0.0
	ChIP-Seq	0	247698	2266	36	0.49911	0	-0.00115	0.0
CCD IN DIN ND10 DVD1	STRING	0	248695	1179	126	0.50277	0	-0.00155	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	248787	1179	34	0.49953	0	-0.0008	0.0
	ChIP-Seq STRING	0	248785	1179	36	0.49911	0	-0.00083	0.0
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	$246951 \\ 247043$	2923 2923	$\frac{126}{34}$	$0.50277 \\ 0.49953$	0	-0.00244	$0.0 \\ 0.0$
CGP-KM-DKM-NKIU-EAE2	ChIP-Seq	5	247045 247046	2923 2918	$\frac{34}{31}$	0.49933 0.49911	$0 \\ 0.01557$	-0.00127 0.0142	0.001711
	STRING	0	247040	663	126	0.49911 0.50277	0.01337	-0.00116	0.001711
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	249211 249303	663	$\frac{120}{34}$	0.49953	0	-0.00110	0.0
CGI IKW BIKW WIGO BALO	ChIP-Seq	5	249306	658	31	0.49866	0.01557	0.03179	0.007541
	STRING	0	248573	1301	126	0.50277	0.01001	-0.00162	0.0
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	248665	1301	34	0.49953	0	-0.00084	0.0
	ChIP-Seq	0	248663	1301	36	0.49866	0	-0.00087	0.0
	STRING	0	249292	582	126	0.50277	0	-0.00109	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	249384	582	34	0.49953	0	-0.00056	0.0
	ChIP- Seq	0	249382	582	36	0.49866	0	-0.00058	0.0
	STRING	0	248069	1805	126	0.50257	0	-0.00192	0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	248161	1805	34	0.49953	0	-0.001	0.0
	ChIP-Seq	0	248159	1805	36	0.49866	0	-0.00102	0.0
CCD IN CROSS	STRING	0	248043	1831	126	0.50257	0	-0.00193	0.0
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0	248135	1831	34	0.49953	0	-0.001	0.0
	ChIP-Seq	0	248133	1831	36	0.49866	0	-0.00103	0.0
CCD WAS DOODD ADAG DADA	STRING	2	248100	1774	124	0.50237	0.02025	0.00234	0.001126
	NonSpecific	0	248190	1776	34	0.49953	0	-0.00099	0.0
CGP-KM-DSSPD-NR10-EXE3		0	248188	1776	36	0.49866	0	-0.00102 -0.0009	$0.0 \\ 0.0$
CGP-KM-DSSPD-NR10-EXE3	ChIP-Seq	0	0.40.471	400					1111
	STRING	0	249471	403	126	0.5021			
CGP-KM-DSSPD-NR10-EXE3 CGP-KM-DSSPD-NR10-EXE4	STRING NonSpecific	0	249563	403	34	0.49953	0	-0.00047	0.0
	STRING NonSpecific ChIP-Seq	0 0	$249563 \\ 249561$	$\begin{array}{c} 403 \\ 403 \end{array}$	34 36	0.49953 0.49821	0 0	-0.00047 -0.00048	$0.0 \\ 0.0$
	STRING NonSpecific	0	249563	403	34	0.49953	0	-0.00047	0.0

Tabela 11: Tabular results for mESC problem considering the 500nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	7	249504	245	244	0.51121	0.09041	0.02685	0.027778
PIDC	NonSpecific	0	249246	378	376	0.4995	0	-0.00151	0.0
	ChIP-Seq STRING	$\frac{46}{12}$	$243327 \\ 249510$	$\frac{3314}{239}$	$\frac{3313}{239}$	$0.50194 \\ 0.51994$	0.02969 0.10247	$0.00026 \\ 0.04685$	0.01369 0.047809
GENIE3	NonSpecific	$\frac{12}{2}$	249310 249250	$\frac{239}{374}$	$\frac{239}{374}$	0.51994 0.50148	0.10247 0.01433	0.04685 0.00382	0.047809 0.005319
GENIES	ChIP-Seq	89	243230 243371	3270	3270	0.50146 0.50376	0.01455 0.02858	0.00382 0.01324	0.005315 0.026496
	STRING	12	249510	239	239	0.53159	0.1361	0.04685	0.020490 0.047809
GRNBOOST2	NonSpecific	2	249250	374	374	0.50353	0.01751	0.00382	0.005319
	ChIP-Seq	100	243382	3259	3259	0.50576	0.02996	0.01656	0.029771
	STRING	2	249504	245	249	0.5346	0.12868	0.00704	0.007968
SINCERITIES	NonSpecific	4	249264	360	372	0.50801	0.02211	0.00935	0.010638
	ChIP-Seq	42	243478	3163	3317	0.5054	0.02845	-0.00033	0.012504
PROOF	STRING	0	249249	500	251	0.53125	0	-0.00142	0.0
PPCOR	NonSpecific	0	249124	500	376	0.50621	0	-0.00174	0.0
	ChIP-Seq STRING	0	$246141 \\ 241690$	$500 \\ 8059$	$3359 \\ 246$	$0.50403 \\ 0.53075$	$0 \\ 0.09041$	-0.00522 -0.00221	$0.0 \\ 0.00062$
CGP-DSSPD-NR5-EXE1	NonSpecific	5 11	241690 241571	8053	$\frac{240}{365}$	0.50551	0.09041 0.01368	-0.00221 -0.00066	0.00002 0.001364
CGI -DSSI D-IVIG-EAEI	ChIP-Seq	112	238689	7952	3247	0.50331 0.50447	0.01303 0.02727	0.00072	0.001304 0.013889
	STRING	6	241752	7997	245	0.52997	0.08604	-0.00146	0.00075
CGP-DSSPD-NR5-EXE2	NonSpecific	11	241632	7992	365	0.50867	0.01535	-0.00061	0.001374
	ChIP-Seq	89	238727	7914	3270	0.50432	0.02695	-0.00366	0.011121
	STRING	8	241630	8119	243	0.52971	0.08473	-0.00011	0.000984
CGP-DSSPD-NR5-EXE3	NonSpecific	9	241506	8118	367	0.50905	0.01475	-0.00188	0.001107
	ChIP-Seq	155	238669	7972	3204	0.50776	0.02779	0.00897	0.019072
GGD DGGDD NDY FWE	STRING	9	241876	7873	242	0.52938	0.08316	0.00078	0.001142
CGP-DSSPD-NR5-EXE4	NonSpecific	14	241756	7868	362	0.50806	0.01348	0.00127	0.001776
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	104	$238863 \\ 241540$	7778	$3255 \\ 241$	0.50687	0.02731	-0.00038	0.013195
CGP-DSSPD-NR5-EXE5	NonSpecific	10 10	241540 241415	$8209 \\ 8209$	$\frac{241}{366}$	$0.52912 \\ 0.50992$	$0.08197 \\ 0.01401$	0.00124 -0.00137	0.001217 0.001217
CGI -DSSI D-IVIG-EALD	ChIP-Seq	95	238517	8124	3264	0.50592	0.01401 0.02688	-0.00301	0.001217 0.011559
	STRING	$\frac{3}{2}$	248184	1565	249	0.53038	0.08133	0.00068	0.001276
CGP-DSSPD-NR10-EXE1	NonSpecific	0	248057	1567	376	0.50922	0	-0.00308	0.0
	ChIP-Seq	76	241710	4931	3283	0.50757	0.02723	0.00216	0.015179
	STRING	2	248039	1710	249	0.52985	0.07916	0.00043	0.001168
CGP-DSSPD-NR10-EXE2	NonSpecific	4	247916	1708	372	0.51002	0.01344	0.00178	0.002336
	ChIP-Seq	33	243520	3121	3326		0.02671	-0.00292	0.010463
CCD DCCDD ND10 EVE2	STRING	4	248153	1596	$\frac{247}{274}$	0.53346	0.08281	0.00379	0.0025
CGP-DSSPD-NR10-EXE3	NonSpecific ChIP-Seq	$\frac{2}{30}$	$248026 \\ 245008$	$1598 \\ 1633$	$374 \\ 3329$	$0.51048 \\ 0.50763$	$0.01329 \\ 0.02692$	-0.00053 0.00327	$0.00125 \\ 0.01804$
	STRING	$\frac{30}{4}$	248088	1661	$\frac{3329}{247}$	0.50705 0.53485	0.02092 0.08278	0.00327 0.00362	0.01804 0.002402
CGP-DSSPD-NR10-EXE4	NonSpecific	5	247964	1660	371	0.53403 0.51122	0.00276 0.01336	0.00302 0.00317	0.002402 0.003003
	ChIP-Seq	44	243350	3291	3315	0.5078	0.02686	-0.00024	0.013193
	STRING	1	248193	1556	250	0.53433	0.0809	-0.0009	0.000642
CGP-DSSPD-NR10-EXE5	NonSpecific	1	248068	1556	375	0.51052	0.01285	-0.00176	0.000642
	ChIP-Seq	42	243504	3137	3317	0.50835	0.02687	-0.00022	0.013212
	STRING	1	249421	328	250	0.53581	0.08144	0.00233	0.00304
CGP-KM-BKM-NR10-EXE1	NonSpecific	2	249188	436	374	0.51257	0.01341	0.00331	0.004566
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	81	240776	5865	$\frac{3278}{251}$	0.50782	0.02667	0.00025	0.013623
CGP-KM-BKM-NR10-EXE2	NonSpecific	$0 \\ 3$	$249461 \\ 247770$	$288 \\ 1854$	$\frac{251}{373}$	$0.53554 \\ 0.51346$	$0 \\ 0.01357$	-0.00108 0.00025	$0.0 \\ 0.001616$
OGI -KMI-DKMI-WIGIO-EXEZ	ChIP-Seq	$\frac{3}{22}$	243293	3348	3337	0.51340 0.50472	0.01337 0.02614	-0.00701	0.001010 0.006528
	STRING	0	249427	322	251	0.53548	0.02011	-0.00114	0.00
CGP-KM-BKM-NR10-EXE3	NonSpecific	1	247728	1896	375	0.51307	0.01331	-0.0022	0.000527
	ChIP-Seq	19	243267	3374	3340	0.50185	0.02571	-0.00798	0.0056
	STRING	0	249458	291	251	0.53528	0	-0.00108	0.0
CGP-KM-BKM-NR10-EXE4	NonSpecific	2	247757	1867	374	0.51279	0.01314	-0.00097	0.00107
	ChIP-Seq	44	243158	3483	3315	0.50103	0.02561	-0.001	0.012475
CCD VM DVM ND10 EVET	STRING	0	249441	308	251	0.53507	0	-0.00111	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{2}{83}$	$248811 \\ 242402$	$813 \\ 4239$	$\frac{374}{3276}$	$0.5138 \\ 0.50218$	$0.01336 \\ 0.02569$	$0.0014 \\ 0.00664$	0.002454 0.019204
	STRING	00 3	242402 247654	$\frac{4239}{2095}$	$\frac{3270}{248}$	0.50218 0.53642	0.02569 0.07925	0.00004 0.00124	0.019204 0.00143
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	247526	2098	376	0.53042 0.5131	0.01323	-0.00124	0.00145
	ChIP-Seq	39	244469	2172	3320	0.5037	0.02595	0.00345	0.017639
	STRING	0	247971	1778	251	0.53562	0	-0.00268	0.0
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	4	247850	1774	372	0.51365	0.01291	0.00163	0.00225
	ChIP-Seq	31	244789	1852	3328	0.50432	0.02602	0.00229	0.016463
	STRING	1	247768	1981	250	0.53536	0.07629	-0.00141	0.000505
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	1	247643	1981	375	0.51299	0.01257	-0.00231	0.000505
	ChIP-Seq	76	242819	3822	3283	0.5059	0.02621	0.00663	0.019497
CGP-KM-DSSPD-NR10-EXE4	STRING NonSpecific	1	247802 247670	1947	$\frac{250}{373}$	0.53496	0.07529	-0.00137	0.000513 0.00154
OGF-KM-DSSPD-NKIU-EXE4	NonSpecific ChIP-Seq	$\frac{3}{56}$	$247679 \\ 242915$	$\frac{1945}{3726}$	$\frac{373}{3303}$	$0.5123 \\ 0.5062$	$0.01224 \\ 0.02622$	$ 8e-05 \\ 0.00148 $	0.00154 0.014807
	STRING	50 1	242913 248062	$\frac{3720}{1687}$	250	0.5062 0.53622	0.02022 0.07523	-0.00148	0.014807 0.000592
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	2	247938	1686	374	0.53022 0.51433	0.01325 0.01265	-0.00167	0.000332 0.001185
	ChIP-Seq	$\frac{2}{54}$	242987	3654	3305	0.50511	0.01206 0.02596	0.0012	0.001163 0.014563
	1								

Tabela 12: Tabular results for mHSC-E problem considering the 500nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	20	249444	268	268	0.52711	0.07448	0.06837	0.069444
PIDC	NonSpecific	12	249460	264	264	0.51952	0.0619	0.04242	0.043478
	ChIP-Seq	9	247265	1363	1363	0.50071	0.00966	0.00108	0.00656
CENTES	STRING	13	249437	275	275	0.52852	0.05636	0.04404	0.045139
GENIE3	NonSpecific ChIP-Seq	7 5	$249455 \\ 247261$	$\frac{269}{1367}$	$\frac{269}{1367}$	0.52411 0.49986	0.05168 0.00645	0.02429 -0.00185	0.025362 0.003644
	STRING	5 11	247201 249435	277	277	0.49980 0.52799	0.00645 0.06716	0.03708	0.003044 0.038194
GRNBOOST2	NonSpecific	9	249457	$\frac{217}{267}$	$\frac{217}{267}$	0.52733 0.52381	0.05419	0.03154	0.032609
0101000512	ChIP-Seq	5	247261	1367	1367	0.49936	0.00856	-0.00185	0.002603 0.003644
	STRING	0	249427	285	288	0.52768	0	-0.00115	0.0
SINCERITIES	NonSpecific	0	249451	273	276	0.52322	0	-0.0011	0.0
	ChIP-Seq	8	247275	1353	1364	0.50016	0.00918	0.00039	0.005831
	STRING	0	249212	500	288	0.52521	0	-0.00152	0.0
PPCOR	NonSpecific	0	249224	500	276	0.52171	0	-0.00149	0.0
	ChIP-Seq	8	247262	1366	1364	0.49867	0.006	0.00034	0.005822
CCD DCCDD ND* DVD1	STRING	14	243189	6523	274	0.52494	0.05881	0.00478	0.002133
CGP-DSSPD-NR5-EXE1	NonSpecific	9	243196	6528	267	0.52112	0.03923	0.00135	0.001371 0.005484
	ChIP-Seq STRING	$\frac{36}{5}$	$242127 \\ 243785$	$6501 \\ 5927$	$\frac{1336}{283}$	$0.49846 \\ 0.52452$	$0.00605 \\ 0.05794$	4e-05 -0.00142	0.005484 0.000841
CGP-DSSPD-NR5-EXE2	NonSpecific	$\frac{3}{3}$	243795	5927 5929	273	0.52452 0.52065	0.03794 0.03785	-0.00142 -0.00281	0.000541 0.000505
CGI -DSSI D-NIG-EXE2	ChIP-Seq	33	243795 242729	5899	1339	0.32003 0.49769	0.03785 0.00595	0.00281 0.00016	0.005552
	STRING	7	243013	6699	281	0.52417	0.05726	-0.00053	0.001041
CGP-DSSPD-NR5-EXE3	NonSpecific	10	243028	6696	266	0.52013	0.03654	0.00194	0.001487
	ChIP-Seq	51	241973	6655	1321	0.49842	0.00617	0.00476	0.007585
	STRING	7	242855	6857	281	0.52375	0.05647	-0.00065	0.001014
CGP-DSSPD-NR5-EXE4	NonSpecific	6	242866	6858	270	0.51969	0.03558	-0.00116	0.000869
	ChIP-Seq	37	241801	6827	1335	0.4981	0.00615	-0.00022	0.00536
	STRING	12	243391	6321	276	0.52309	0.05534	0.00353	0.001886
CGP-DSSPD-NR5-EXE5	NonSpecific	9	243400	6324	267	0.52103	0.03572	0.00154	0.001415
	ChIP-Seq	56	242351	6277	1316	0.49934	0.00637	0.00732	0.008802
CGP-DSSPD-NR10-EXE1	STRING NonSpecific	0	$248439 \\ 248451$	$1273 \\ 1273$	$\frac{288}{276}$	$0.52279 \\ 0.52054$	0	-0.00243 -0.00238	$0.0 \\ 0.0$
CGF-DSSFD-NKIU-EAEI	ChIP-Seq	$0 \\ 11$	248431 247296	1332	$\frac{276}{1361}$	0.52054 0.50091	$0 \\ 0.0066$	0.00269	0.008172
	STRING	1	248518	1194	287	0.50091 0.52217	0.0539	-0.00203	0.000172 0.000833
CGP-DSSPD-NR10-EXE2	NonSpecific	1	248530	1194	275	0.52217 0.51999	0.03392	-0.00056	0.000833
001 20012 11110	ChIP-Seq	7	247389	1239	1365	0.50083	0.00658	0.00013	0.005591
	STRING	0	248489	1223	288	0.52151	0	-0.00238	0.0
CGP-DSSPD-NR10-EXE3	NonSpecific	1	248502	1222	275	0.52142	0.03432	-0.0006	0.000817
	ChIP-Seq	4	247343	1285	1368	0.4999	0.00645	-0.00232	0.003101
	STRING	1	248499	1213	287	0.52101	0.0523	-0.00068	0.00082
CGP-DSSPD-NR10-EXE4	NonSpecific	1	248511	1213	275	0.5211	0.03385	-0.00059	0.00082
	ChIP-Seq	6	247342	1286	1366	0.49934	0.00639	-0.00082	0.004626
CCD DCCDD ND10 EVEr	STRING	0	248468	1244	288	0.52024	0	-0.0024	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$0 \\ 12$	$248480 \\ 247327$	$1244 \\ 1301$	$276 \\ 1360$	0.52053 0.50097	$0 \\ 0.00655$	-0.00235 0.00359	$0.0 \\ 0.009091$
	STRING	1	247327 249231	481	$\frac{1300}{287}$	0.50097 0.52116	0.00635 0.05147	0.00339 0.0012	0.009091 0.00189
CGP-KM-BKM-NR10-EXE1	NonSpecific	2	249231 249244	480	274	0.52110 0.5219	0.03147 0.03344	0.0012 0.00403	0.00139 0.003781
	ChIP-Seq	2	246834	1794	1370	0.49894	0.00635	-0.00504	0.001068
	STRING	$\overline{4}$	248072	1640	284	0.52081	0.05111	0.00307	0.002345
CGP-KM-BKM-NR10-EXE2	NonSpecific	4	248084	1640	272	0.5214	0.03287	0.00326	0.002345
	ChIP-Seq	3	246987	1641	1369	0.49775	0.00625	-0.00403	0.001758
	STRING	1	249256	456	287	0.52062	0.05091	0.00131	0.00198
CGP-KM-BKM-NR10-EXE3	NonSpecific	2	249269	455	274	0.52123	0.0327	0.00422	0.00396
	ChIP-Seq	3	246487	2141	1369	0.49718	0.00621	-0.00515	0.001354
CCD IVM DIVM ND40 EVE4	STRING	1	249010	702	287	0.52024	0.0505	0.00042	0.001321
CGP-KM-BKM-NR10-EXE4	NonSpecific	2	249023	701	274	0.52109	0.03256	0.00278	0.002642
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	27	$246215 \\ 248995$	$\frac{2413}{717}$	$\frac{1345}{287}$	0.49976	0.00642	0.00749 0.00038	0.010736
CGP-KM-BKM-NR10-EXE5	NonSpecific	$\frac{1}{3}$	248993	717	$\frac{207}{273}$	$0.52004 \\ 0.52265$	$0.0503 \\ 0.03311$	0.00038 0.00497	0.001294 0.003881
CGI -KW-BKW-NKIO-EXES	ChIP-Seq	0	249009 247024	1604	1372	0.32203 0.49812	0.05511	-0.00497	0.003001
	STRING	$\frac{0}{2}$	248418	1294	286	0.51935	0.04963	0.00083	0.001537
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	1	248429	1295	275	0.52199	0.03243	-0.00072	0.000769
	ChIP-Seq	$\overline{4}$	247250	1378	1368	0.49676	0.0062	-0.00262	0.002882
	STRING	3	248442	1270	285	0.51875	0.04889	0.00254	0.002353
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	3	248454	1270	273	0.52149	0.03174	0.0027	0.002353
	ChIP-Seq	19	247271	1357	1353	0.5008	0.00649	0.00838	0.013788
	STRING	3	248355	1357	285	0.51998	0.04935	0.0023	0.002203
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	3	248367	1357	273	0.5228	0.03202	0.00245	0.002203
	ChIP-Seq	3	247228	1400	1369	0.49954	0.0064	-0.00341	0.002135
COD IN PROPERTY.	STRING	0	248332	1380	288	0.51951	0	-0.00253	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	2	248346	1378	274	0.52229	0.03159	0.00077	0.001442
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{12}{0}$	$247260 \\ 249332$	$\frac{1368}{380}$	$\frac{1360}{288}$	0.50098	0.00648	0.00324	0.008652
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	$\frac{0}{1}$	249332 249345	$\frac{380}{379}$	$288 \\ 275$	$0.51924 \\ 0.52383$	0.03206	-0.00133 0.00179	$0.0 \\ 0.002632$
COI -IXM-DOOI D-MINIU-EAEO	ChIP-Seq	6	249345 247014	1614	1366	0.52565 0.50093	0.03200 0.00648	-0.00179	0.002032 0.003697
	-D04	-	211014	1014	1000	0.00000	0.00040	0.00190	0.000031

Tabela 13: Tabular results for mHSC-GM problem considering the 500nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	26	249578	198	198	0.55294	0.1534	0.11528	0.116071
PIDC	NonSpecific	16	249621	182	181	0.53929	0.149	0.08029	0.080808
	ChIP-Seq	27	245584	2195	2194	0.50176	0.01235	0.0033	0.012151
CENTES	STRING NanSpacific	12	249564	212	212	0.55673	0.15025	0.05272	0.053571
GENIE3	NonSpecific ChIP-Seq	2 19	$249608 \\ 245577$	$\frac{195}{2202}$	$\frac{195}{2202}$	0.53903 0.50113	$0.13544 \\ 0.01055$	0.00937 -0.00033	0.010152 0.008555
	STRING	12	249564	212	212	0.50113 0.55624	0.01035 0.13799	0.05272	0.008555 0.053571
GRNBOOST2	NonSpecific	5	249611	192	192	0.53886	0.1197	0.02461	0.025381
3111.533312	ChIP-Seq	$\frac{3}{24}$	245582	2197	2197	0.50112	0.01051	0.00194	0.010806
	STRING	0	249552	224	224	0.55624	0	-0.0009	0.0
SINCERITIES	NonSpecific	0	249606	197	197	0.53886	0	-0.00079	0.0
	ChIP-Seq	24	245602	2177	2197	0.5022	0.01069	0.00203	0.010806
	STRING	0	249276	500	224	0.55372	0	-0.00134	0.0
PPCOR	NonSpecific	0	249303	500	197	0.53743	0	-0.00126	0.0
	ChIP-Seq STRING	17 c	245574	2205	2204	0.50116	$0.01002 \\ 0.10912$	-0.00125	$\begin{array}{c} 0.007651 \\ 0.001027 \end{array}$
CGP-DSSPD-NR5-EXE1	NonSpecific	6 6	$243960 \\ 243987$	$5816 \\ 5816$	$\frac{218}{191}$	$0.55337 \\ 0.53715$	0.10912 0.07442	0.00069 0.00134	0.001027 0.001027
CGF-DSSFD-NRS-EXET	ChIP-Seq	$\frac{6}{24}$	243981	5798	2197	0.33713 0.49927	0.07442 0.00949	-0.00134	0.001027 0.004107
	STRING	2	243964	5812	$\frac{2131}{222}$	0.5532	0.00343 0.10787	-0.00285	0.004107 0.000342
CGP-DSSPD-NR5-EXE2	NonSpecific	$\overline{4}$	243993	5810	193	0.53685	0.07037	-0.00055	0.000684
	ChIP-Seq	55	242020	5759	2166	0.49941	0.00955	0.00095	0.0094
	STRING	12	243941	5835	212	0.55516	0.10864	0.00598	0.00204
CGP-DSSPD-NR5-EXE3	NonSpecific	13	243969	5834	184	0.5391	0.07008	0.00792	0.002211
	ChIP-Seq	55	241987	5792	2166	0.49961	0.0096	0.00086	0.009352
	STRING	9	243786	5990	215	0.5551	0.10824	0.00317	0.001491
CGP-DSSPD-NR5-EXE4	NonSpecific	4	243808	5995	193	0.5389	0.06798	-0.00068	0.000663
	ChIP-Seq STRING	66	$241846 \\ 243772$	5933	2155	0.50024	0.00972	0.00354 0.00228	0.010936
CGP-DSSPD-NR5-EXE5	NonSpecific	8 8	243772 243799	$6004 \\ 6004$	$\begin{array}{c} 216 \\ 189 \end{array}$	$0.55474 \\ 0.54123$	0.10593 0.06871	0.00228 0.00304	0.001325 0.001325
CG1 -DSS1 D-IVItS-EAES	ChIP-Seq	63	241830	5949	2158	0.54125 0.50041	0.00371 0.00975	0.00364 0.00267	0.001323 0.010437
	STRING	1	248630	1146	223	0.55672	0.10691	-6e-05	0.000862
CGP-DSSPD-NR10-EXE1	NonSpecific	0	248656	1147	197	0.54093	0	-0.00191	0.0
	ChIP-Seq	8	246555	1224	2213	0.49987	0.00967	-0.00179	0.006426
	STRING	2	248649	1127	222	0.55637	0.10478	0.00197	0.001767
CGP-DSSPD-NR10-EXE2	NonSpecific	0	248674	1129	197	0.54059	0	-0.00189	0.0
	ChIP-Seq	18	246585	1194	2203	0.5011	0.00981	0.00444	0.014815
CGP-DSSPD-NR10-EXE3	STRING NonSpecific	0	$248632 \\ 248659$	$\begin{array}{c} 1144 \\ 1144 \end{array}$	$\begin{array}{c} 224 \\ 197 \end{array}$	$0.55619 \\ 0.54043$	0	-0.00203	$0.0 \\ 0.0$
CGF-DSSFD-NK10-EAE3	NonSpecific ChIP-Seq	10	246039 246521	1258	$\frac{197}{2211}$	0.54045 0.50019	$0 \\ 0.00968$	-0.0019 -0.00076	0.007855
	STRING	0	248677	1099	$\frac{2211}{224}$	0.55596	0.00308	-0.00199	0.007655
CGP-DSSPD-NR10-EXE4	NonSpecific	$\stackrel{\circ}{1}$	248705	1098	196	0.54001	0.05887	0.00029	0.000907
	ChIP-Seq	12	246625	1154	2209	0.5008	0.00976	0.00103	0.010256
	STRING	1	248697	1079	223	0.55549	0.09999	7e-05	0.000921
CGP-DSSPD-NR10-EXE5	NonSpecific	2	248725	1078	195	0.54219	0.05917	0.0025	0.001842
	ChIP-Seq	15	246664	1115	2206	0.50173	0.00986	0.00315	0.013204
CCD KM DKM ND10 EVE1	STRING	2	249232	544	222	0.55481	0.09687	0.00433	0.003663
CGP-KM-BKM-NR10-EXE1	NonSpecific	1	$249258 \\ 245131$	545	$\frac{196}{2210}$	$0.54177 \\ 0.50004$	0.05715	0.00174 -0.00524	0.001832 0.004104
	ChIP-Seq STRING	$\frac{11}{3}$	248131 248881	$2648 \\ 895$	$\frac{2210}{221}$	0.55668	$0.00967 \\ 0.09745$	0.00324 0.00491	0.004104 0.003341
CGP-KM-BKM-NR10-EXE2	NonSpecific	$\frac{3}{2}$	248907	896	$\frac{221}{195}$	0.53008 0.54406	0.05749 0.05819	0.00491 0.00308	0.003341 0.002227
001 1111 21111 111110 21122	ChIP-Seq	$\frac{2}{51}$	244797	2982	2170	0.49993	0.00965	0.00937	0.016804
	STRING	2	247995	1781	222	0.5565	0.09668	0.00064	0.001122
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	248020	1783	197	0.54387	0	-0.00238	0.0
	ChIP-Seq	4	244970	2809	2217	0.49739	0.00941	-0.00848	0.00141
	STRING	1	248437	1339	223	0.55638	0.09618	-0.00037	0.000746
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	248463	1340	197	0.54387	0	-0.00206	0.0
	ChIP-Seq	9	244943	2836	2212	0.49574	0.00929	-0.00654	0.003157
CGP-KM-BKM-NR10-EXE5	STRING NonSpecific	$\frac{1}{0}$	$249100 \\ 249126$	$676 \\ 677$	$\frac{223}{197}$	$0.55632 \\ 0.54384$	0.09594	0.00101 -0.00146	0.001477 0.0
CGF-RM-DRM-NRIO-EAE3	ChIP-Seq	19	249120 245556	$\frac{077}{2223}$	$\frac{197}{2202}$	0.34364 0.49703	0.00941	-0.00140 -0.00042	0.008463
	STRING	0	248622	1154	$\frac{2202}{224}$	0.55586	0.00341	-0.00042	0.000403
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	248649	1154	197	0.5437	0	-0.00191	0.0
	ChIP-Seq	7	246504	1275	2214	0.49622	0.00936	-0.00262	0.005443
	STRING	1	248667	1109	223	0.55533	0.09204	1e-05	0.000898
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	1	248694	1109	196	0.54353	0.05569	0.00027	0.000898
	ChIP-Seq	14	246429	1350	2207	0.49644	0.00938	0.00109	0.010234
COD IN DOOD AND TO THE	CONTRACTO	1	248622	1154	223	0.55515	0.09141	-7e-05	0.000858
CGP-KM-DSSPD-NR10-EXE3	STRING	~		7177	107	0.54331	0	-0.00191	0.0
COI RW DOOI D WILLO EXEC	NonSpecific	0	248648	1155	197				
COL KW DOSED WIND EXEC	NonSpecific ChIP-Seq	22	246436	1343	2199	0.49821	0.00955	0.00571	0.015954
	NonSpecific ChIP-Seq STRING	$\begin{array}{c} 22 \\ 0 \end{array}$	$246436 \\ 248616$	$1343 \\ 1160$	$2199 \\ 224$	$\begin{array}{c} 0.49821 \\ 0.55486 \end{array}$	0.00955	0.00571 -0.00204	0.015954 0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq STRING NonSpecific	$\begin{array}{c} 22 \\ 0 \\ 0 \end{array}$	246436 248616 248643	1343 1160 1160	2199 224 197	$\begin{array}{c} 0.49821 \\ 0.55486 \\ 0.54312 \end{array}$	$0.00955 \\ 0 \\ 0$	0.00571 -0.00204 -0.00192	0.015954 0.0 0.0
	NonSpecific ChIP-Seq STRING NonSpecific ChIP-Seq	$\begin{array}{c} 22 \\ 0 \end{array}$	246436 248616 248643 246394	1343 1160 1160 1385	2199 224 197 2205	$\begin{array}{c} 0.49821 \\ 0.55486 \\ 0.54312 \\ 0.49913 \end{array}$	0.00955	0.00571 -0.00204 -0.00192 0.00203	$0.015954 \\ 0.0$
	NonSpecific ChIP-Seq STRING NonSpecific	22 0 0 16	246436 248616 248643	1343 1160 1160	2199 224 197	$\begin{array}{c} 0.49821 \\ 0.55486 \\ 0.54312 \end{array}$	0.00955 0 0 0.00962	0.00571 -0.00204 -0.00192	0.015954 0.0 0.0 0.011404

Tabela 14: Tabular results for mHSC-L problem considering the 500nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	20	249789	96	95	0.57986	0.17355	0.17278	0.172414
PIDC	NonSpecific	12	249576	206	206	0.52569	0.08153	0.05422	0.055046
	ChIP-Seq	36	243412	3276	3276	0.4989	0.01378	-0.00241	0.01087
CIENTIES	STRING	$\frac{12}{c}$	249782	103	103	0.58374	0.16805	0.10394	0.104348
GENIE3	NonSpecific ChIP-Seq	$\frac{6}{39}$	$249570 \\ 243415$	$\frac{212}{3273}$	$\frac{212}{3273}$	0.52523 0.49861	0.07193 0.01401	0.02667 -0.00149	0.027523 0.011775
	STRING	5 5	249775	$\frac{3273}{110}$	$\frac{3273}{110}$	0.49801 0.58343	0.01401 0.16217	0.04304	0.011773 0.043478
GRNBOOST2	NonSpecific	5	249569	213	213	0.52508	0.16217	0.04304 0.02208	0.043476 0.022936
GIGIBOOSI2	ChIP-Seq	46	243422	3266	3266	0.49991	0.01498	0.02265	0.013889
	STRING	0	249794	91	115	0.5833	0	-0.00041	0.0
SINCERITIES	NonSpecific	0	249596	186	218	0.52476	0	-0.00081	0.0
	ChIP-Seq	22	243648	3040	3290	0.49684	0.01372	-0.0059	0.006643
	STRING	0	249385	500	115	0.58179	0	-0.00096	0.0
PPCOR	NonSpecific	0	249282	500	218	0.52314	0	-0.00132	0.0
	ChIP-Seq	33	243409	3279	3279	0.49492	0.01344	-0.00333	0.009964
CCD DCCDD ND F EVE1	STRING	3	243910	5975	112	0.58167	0.14252	0.0003	0.000502
CGP-DSSPD-NR5-EXE1	NonSpecific ChIP-Seq	10 96	243814	5968	$\frac{208}{3216}$	$0.52269 \\ 0.49653$	0.03791	0.00425	0.001673
	STRING	90 2	$240806 \\ 243926$	$5882 \\ 5959$	$\frac{3210}{113}$	0.49055 0.58116	0.01416 0.13798	0.00385 -0.00091	0.016059 0.000336
CGP-DSSPD-NR5-EXE2	NonSpecific	$\frac{2}{4}$	243920 243825	5959	214	0.52110 0.52242	0.13798 0.03643	-0.00091	0.000530 0.000671
CGI -DSSI D-NIG-LALZ	ChIP-Seq	87	240814	5874	3225	0.49663	0.03043 0.01432	0.00184	0.000071 0.014595
	STRING	3	243653	6232	112	0.58091	0.13585	0.00016	0.000481
CGP-DSSPD-NR5-EXE3	NonSpecific	7	243554	6228	211	0.52197	0.03432	0.00136	0.001123
	ChIP-Seq	79	240532	6156	3233	0.49605	0.01431	-0.00081	0.01267
	STRING	7	243594	6291	108	0.58066	0.1338	0.00488	0.001111
CGP-DSSPD-NR5-EXE4	NonSpecific	7	243491	6291	211	0.52143	0.03214	0.0013	0.001111
	ChIP-Seq	110	240500	6188	3202	0.49917	0.01487	0.00593	0.017466
CCD DCCDD ND* EVE*	STRING	1	243852	6033	114	0.58053	0.13281	-0.00216	0.000166
CGP-DSSPD-NR5-EXE5	NonSpecific	0	243748	6034	218	0.521	0 01 497	-0.00465	0.0
	ChIP-Seq STRING	$78 \\ 2$	$240732 \\ 248611$	$5956 \\ 1274$	$3234 \\ 113$	$0.49917 \\ 0.58028$	0.01487 0.13089	-0.00044 0.0037	0.012927 0.001567
CGP-DSSPD-NR10-EXE1	NonSpecific	0	2485011 248506	1274 1276	$\frac{113}{218}$	0.52063	0.13069	-0.00212	0.001307
CGI -DSSI D-IVICIO-LALI	ChIP-Seq	$\frac{0}{22}$	245361	1327	3290	0.49958	0.01497	0.00212	0.016308
	STRING	0	248634	1251	115	0.58016	0	-0.00152	0.0
CGP-DSSPD-NR10-EXE2	NonSpecific	1	248532	1250	217	0.52253	0.03028	-0.00017	0.000799
	ChIP-Seq	12	245385	1303	3300	0.49881	0.01486	-0.00262	0.009125
	STRING	1	248722	1163	114	0.5799	0.12815	0.00127	0.000859
CGP-DSSPD-NR10-EXE3	NonSpecific	1	248619	1163	217	0.52226	0.02955	-3e-05	0.000859
	ChIP-Seq	10	245486	1202	3302	0.49816	0.01477	-0.00305	0.008251
CCD DCCDD ND10 DVD4	STRING	1	248748	1137	114	0.58384	0.12981	0.00132	0.000879
CGP-DSSPD-NR10-EXE4	NonSpecific	1	$248645 \\ 245525$	$\begin{array}{c} 1137 \\ 1163 \end{array}$	$\frac{217}{3288}$	$0.52196 \\ 0.49964$	0.02881 0.01499	$\frac{2e-05}{0.00421}$	0.000879 0.020219
	ChIP-Seq STRING	$\begin{array}{c} 24 \\ 0 \end{array}$	248670	1215	$\frac{3200}{115}$	0.49964 0.58346	0.01499	-0.00421	0.020219 0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	1	248568	1213 1214	$\frac{113}{217}$	0.52144	0.02771	-0.0013	0.000823
	ChIP-Seq	21	245429	1259	3291	0.50007	0.01505	0.00198	0.016406
	STRING	0	248925	960	115	0.5822	0	-0.00133	0.0
$CGP ext{-}KM ext{-}BKM ext{-}NR10 ext{-}EXE1$	NonSpecific	1	248823	959	217	0.52092	0.02668	0.00036	0.001042
	ChIP-Seq	21	242871	3817	3291	0.49714	0.01472	-0.00849	0.005472
	STRING	1	248771	1114	114	0.58187	0.11737	0.00136	0.000897
CGP-KM-BKM-NR10-EXE2	NonSpecific	4	248671	1111	214	0.52061	0.02571	0.00616	0.003587
	ChIP-Seq	33	242558	4130	3279	0.49551	0.01457	-0.00606	0.007927
CCD UM DUM ND10 EVE?	STRING Nan Spacific	1	249096	789	114	0.58174	0.1167	0.00212	0.001266
CGP-KM-BKM-NR10-EXE3	NonSpecific ChIP-Seq	$\frac{2}{25}$	$248994 \\ 242437$	$788 \\ 4251$	$\frac{216}{3287}$	$0.52056 \\ 0.49327$	$0.02562 \\ 0.01435$	0.00317 -0.00854	0.002532 0.005847
	STRING	$\frac{25}{1}$	242437	677	3287 114	0.49527 0.5858	0.01435 0.11921	0.0034	0.003847 0.001475
CGP-KM-BKM-NR10-EXE4	NonSpecific	1	249105	677	217	0.52044	0.02541	0.00247 0.00106	0.001475 0.001475
COI IIII BIIII IIIII EILEI	ChIP-Seq	58	242765	3923	3254	0.49406	0.01448	0.00100 0.00147	0.001179 0.014569
	STRING	1	249233	652	114	0.5858	0.11921	0.00256	0.001531
CGP-KM-BKM-NR10-EXE5	NonSpecific	2	249131	651	216	0.52029	0.02515	0.0038	0.003063
	ChIP-Seq	34	243211	3477	3278	0.4939	0.01449	-0.00372	0.009684
	STRING	1	248728	1157	114	0.58567	0.11855	0.00128	0.000864
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	248624	1158	218	0.51981	0	-0.00201	0.0
	ChIP-Seq	16	245317	1371	3296	0.49356	0.01446	-0.00112	0.011536
	STRING	1	248786	1099	114	0.58542	0.11727	0.00139	0.000909
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	4	248686	1096	214	0.52171	0.02514	0.00623	0.003636
	ChIP-Seq STRING	12 1	$245321 \\ 248629$	1367	3300	0.49324	0.01445	-0.00296	0.008702
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	$\frac{1}{3}$	248629 248528	1256 1254	$\begin{array}{c} 114 \\ 215 \end{array}$	$0.58529 \\ 0.52598$	$0.11665 \\ 0.02724$	$0.00111 \\ 0.00365$	0.000796 0.002387
OGI -IXM-DOSI D-MRIU-EAES	ChIP-Seq	3 19	248528 245199	$\frac{1254}{1489}$	$\frac{215}{3293}$	0.52598 0.49342	0.02724 0.01449	-0.00044	0.002387 0.012599
	STRING	19	248746	1139	$\frac{3293}{114}$	0.49542 0.58516	0.01449 0.11603	0.00132	0.012399 0.000877
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	5	248647	1135	213	0.52541	0.02636	0.00132 0.00806	0.004386
	ChIP-Seq	38	245367	1321	3274	0.49596	0.02636 0.01477	0.00951	0.027962
	STRING	2	248841	1044	113	0.58516	0.11603	0.00439	0.001912
CGP-KM-DSSPD-NR10-EXE5		2 1	248841 248737 245359	1044 1045 1329	113 217 3306	0.58516 0.52496 0.49476	$0.11603 \\ 0.02573 \\ 0.01467$	0.00439 0.00018 -0.00561	0.001912 0.000956 0.004494

2 Configuration 500TF

2.1 Ignoring Self-Loop

Tabela 15: Tabular results for hESC problem considering the 500TF configuration without self-loop.

PIRCE PROPERTY OF A PAPER PROPERTY OF A PAPER PAPER PROPERTY OF A PAPER	Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
CHIPM CHINTO CHINTO CHIPM <br< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></br<>										
GENIES PATE NO. 1989 1979 1979 1979 1979 1979 1979 1979	PIDC	_								
CHNIPSCHNIPS CHIP										
CALP CAL	CENIE3									
STRING 19 1967 1968 1978	GENIES									
CRNBOOST2Nonsignation (Chipsen)										
STRING 1	GRNBOOST2	NonSpecific						0.00951		
SINCERITIES Name of the part of the pa				819081	4493	4490	0.50263	0.00879	0.0025	0.007921
PPCOR	aa.									
PPOCR PPO	SINCERITIES	_								
PPCOR MonSpecified 0 S2878 95 3436 15036 0 -00144 0 CHIPSOR 0 STRING 6 8180 93 121 15131 0.0071 -0.0053 0.00804 CGP-DSSPD-NR-EXEL PATRING 3 81805 794 410 0.0014 0.0050 0.00050 0.00070 0.00070 CGP-DSSPD-NR-EXEZ NonSpecified 2 81781 794 412 81.01 0.0020 0.00050 0.00070 0.00071 CGP-DSSPD-NR-EXEZ NonSpecified 1 81816 271 314 0.0192 0.00050 0.0004 0.0014 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></t<>									-	
CAPP-DESPID-NR1-EXE1 CAPP-DESPID-NR5-EXE1 CAPP-DESPID-NR5-EXE1 CAPP-DESPID-NR5-EXE1 CAPP-DESPID-NR5-EXE1 CAPP-DESPID-NR5-EXE2 CAPP-DESPID-NR5-EXE2 CAPP-DESPID-NR5-EXE2 CAPP-DESPID-NR5-EXE2 CAPP-DESPID-NR5-EXE2 CAPP-DESPID-NR5-EXE2 CAPP-DESPID-NR5-EXE2 CAPP-DESPID-NR5-EXE3 CAPP	PPCOR									
CGP-DSSPD-NR5-EXEI KIRING (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c										
CHIP-Seq										
CGP-DSSPD-NR5-EXE STRING ChIP-Seq STRING ChIP-Seq ChIP-Seq ChIP-Seq A 3 815805 1988 7948 1978 4341 1979 1979 1970 197	CGP-DSSPD-NR5-EXE1			817722			0.50201		-0.00532	
CPD-DSSPD-NR5-EXE2 NonSpecific 2 2 8 18715 7949 412 0,0004 0,00079 0,00179 CGP-DSSPD-NR5-EXE4 (FIR)-Seq 1 817129 6714 4248 0,00077 0,00140 0,00130 CGP-DSSPD-NR5-EXE4 (FIR)-Seq 1 817160 6721 3434 0,4992 0,00577 0,00169 0,00150 GGP-DSSPD-NR5-EXE4 (NonSpecific 6 2 81786 6776 4253 5,1060 0,00297 0,00150 0,00016 GGP-DSSPD-NR5-EXE6 (NonSpecific 6 2 817807 6267 4255 0,0094 0,0016 0,00020 CGP-DSSPD-NR5-EXE5 NonSpecific 7 818182 6762 409 0,49583 0,0099 0,00020 0,00020 CGP-DSSPD-NR10-EXE1 NonSpecific 8 2 818214 1422 3436 0,4958 0,0009 0,00020 0,00020 CGP-DSSPD-NR10-EXE1 NonSpecific 9 2 81234 1422 3452 14964 0,00020 0,00020		•								
Chip-Seq 14	CCD DCCDD ND EVE									
CGP-DSSPD-NR5-EXEA STRING 9 817129 6114 8128 6.115 0.02762 -0.00542 0.00130 CGP-DSSPD-NR5-EXEA NonSpecified 1 816862 6712 4155 0.4974 0.00029 -0.0047 0.00150 CGP-DSSPD-NR5-EXEA NonSpecified 1 818385 6727 3435 0.10979 0.0050 0.00010 0.00010 CGP-DSSPD-NR5-EXEA NonSpecified 2 817806 6777 4255 0.05041 0.00610 0.00209 CGP-DSSPD-NR5-EXE5 NonSpecifie 2 817818 6777 4343 0.49670 0.0050 0.00204	CGP-DSSPD-NR5-EXE2	_								
CP-DSSPD-NR5-EXE3 NonSpecific ChIP-Seq (ChIP-Seq) 2 817848 (81682) 6172 (215) 0.4904 (0.0002) 0.00024 0.00020 CP-DSSPD-NR5-EXE4 (ChIP-Seq) 1 818365 (276) 4253 (0.1006) 0.00030 -0.00540 (0.00020) CP-DSSPD-NR5-EXE4 (ChIP-Seq) 1 818365 (276) 4513 (0.4005) 0.00030 -0.00140 (0.00020) CGP-DSSPD-NR5-EXE5 (ChIP-Seq) 2 817807 (0.0002) 4500 (0.00020) 0.00020 0.00020 CGP-DSSPD-NR10-EXE1 (ChIP-Seq) 2 817817 (0.0002) 4500 (0.00030) 0.00030 (0.00020) 0.00020 CGP-DSSPD-NR10-EXE1 (ChIP-Seq) 2 822141 (1.0002) 1420 (0.0003) 0.00040 (0.00020) 0.00020 0.0										
Chip-Seq 11 816802 711 415 0.0764 0.00624 0.00100	CGP-DSSPD-NR5-EXE3									
CGP-DSSPD-NR5-EXE4 NonSpecific ChIP'-Se 13 81835 6279 433 0.4956 0.00504 -0.0013 0.00207 CGP-DSSPD-NR5-EXE5 EXTRING 2 81706 6777 4256 0.0914 -0.0041 0.00202 CGP-DSSPD-NR1-EXE5 ChIP-Seq 17 816812 6777 4343 0.49673 0.0054 0.00204 CGP-DSSPD-NR10-EXE1 ChIP-Seq 17 816812 1422 4350 0.49583 0.0094 -0.00284 0.0021 CGP-DSSPD-NR10-EXE1 NonSpecific 1 822141 1422 4350 0.9594 0.00504 0.00284 0.0014 CGP-DSSPD-NR10-EXE2 NonSpecific 1 822345 1449 4351 0.49545 0.0060 0.0018 0.00264 0.00264 CGP-DSSPD-NR10-EXE2 NonSpecific 1 822345 1449 4356 0.4948 0.00264 0.00254 0.00582 CGP-DSSPD-NR10-EXE3 NonSpecific 8 822345 1309 4355 0.59		_								
ChIP-Seq 13 N1700 20 81700 620 4181 0.0605 0.0000 0.00020 CGP-DSSPD-NR5-EXES STRING 2 817867 6777 4343 0.49657 0.0016 0.00020 CGP-DSSPD-NR10-EXEI (Phe Seq 17 81818 6767 4509 0.49583 0.0090 0.00268 0.00210 CGP-DSSPD-NR10-EXEI (Phe Seq 2 822142 1420 4524 0.49549 0.00238 0.00268 0.00218 CGP-DSSPD-NR10-EXEI (Phe Seq 2 82214 1420 4524 0.9954 0.00238 -0.0026 0.00273 CGP-DSSPD-NR10-EXE2 MonSpecific 1 82215 1449 451 0.9945 0.0040 -0.0025 0.00821 CGP-DSSPD-NR10-EXE3 MonSpecific 1 822254 1449 451 0.9036 -0.0025 0.00822 CGP-DSSPD-NR10-EXE3 MonSpecific 8 82225 131 431 0.9446 0.0025 0.00103		STRING	4	817567	6276	4253	0.51069	0.02597	-0.00551	0.000624
CGP-DSSPD-NR5-EXE5 STRING 2 817066 6777 425 500701 0.02450 -0.00540 0.00209 CGP-DSSPD-NR10-EXE5 Nonspecific 1 816812 6762 4509 0.49583 0.00590 -0.00364 0.00240 CGP-DSSPD-NR10-EXE1 Nonspecific 2 82214 1422 4267 0.0941 0.00590 -0.00228 0.00137 CGP-DSSPD-NR10-EXE1 Nonspecific 2 82214 1420 450 0.0944 0.00238 0.00180 0.00208 0.00180 CGP-DSSPD-NR10-EXE2 ChiP-Seq 1 823124 140 4516 0.09524 0.00238 0.00180 0.00180 CGP-DSSPD-NR10-EXE2 ChiP-Seq 1 821234 140 4516 0.49575 0.0060 0.00101 0.00160 CGP-DSSPD-NR10-EXE4 ChiP-Seq 4 822261 130 4524 0.49541 0.0026 0.00101 0.00160 CGP-DSSPD-NR10-EXE4 Fing 8 82324 132	CGP-DSSPD-NR5-EXE4	_								
CGP-DSSPD-NR1-EXE5 NonSpecific ChiP-Seq 17 818812 1676 250 4509 4508 30,0009 40,0034 40,00241 00,002										
CAPP-NORPOUND CAPP-NORPOUN	CCD DCCDD NDE EVEE									
CGP-DSSPD-NR10-EXEI STRING 0 823241 1422 4257 0.50941 0 -0.00268 0.0 CGP-DSSPD-NR10-EXEI NonSpecies 2 823241 1420 4324 0.4054 0.0054 -0.00228 0.00137 CGP-DSSPD-NR10-EXE2 Port Poet 1 823215 1447 4254 0.50944 0.02383 -0.00225 0.006821 CGP-DSSPD-NR10-EXE2 Port Poet 2 823215 1440 4355 0.50940 0.00201 0.00180 CGP-DSSPD-NR10-EXE3 Port Poet 2 82353 1310 436 0.49481 0 -0.00257 0.00100 CGP-DSSPD-NR10-EXE3 Port Poet 4 822057 1307 4525 0.5049 0.0231 -0.00215 0.00100 CGP-DSSPD-NR10-EXE4 Port Poet 8 282027 1307 4525 0.9349 0.0231 -0.0025 0.00100 CGP-DSSPD-NR10-EXE4 Port Poet 8 28210 3631 4515 0.4948 0.00	CGP-DSSPD-NR5-EAE5	•								
CGP-DSSPD-NR10-EXEI NonSpecific 0 832412 1422 3436 0.49594 0.00594 0.00268 0.00104 CAIP-Seq 2 822154 1420 4524 0.49541 0.00248 0.00218 0.00240 CAP-DSSPD-NR10-EXE2 NonSpecific 1 82313 1449 3435 0.49535 0.0040 -0.0025 0.006821 CAP-DSSPD-NR10-EXEA ChiP-Seq 1 823234 1300 4525 0.5941 0.0061 0.00257 0.006821 CAP-DSSPD-NR10-EXEA NonSpecific 0 823233 1311 3436 0.49481 0 -0.00257 0.00305 CAP-DSSPD-NR10-EXEA NonSpecific 4 822267 1307 4522 0.49481 0 0.00324 0.00308 CAP-DSSPD-NR10-EXEA NonSpecific 1 819943 3614 3456 0.49481 0.00473 -0.00401 0.00268 CAP-DSSPD-NR10-EXEA NonSpecific 2 825254 1318 4352 0.5848 <										
CAIP-Seq 2 82154 1420 4244 0.49541 0.00544 0.00284 0.00130 CGP-DSSPD-NR10-EXEE NonSpecifie 1 823215 1449 4345 0.49535 0.0046 0.00268 0.00068 CGP-DSSPD-NR10-EXEA NonSpecifie 2 822354 1309 4255 0.50914 0.0001 0.00081 CGP-DSSPD-NR10-EXEA NonSpecifie 2 823353 1311 4362 0.49541 0.0002 0.00025 0.00030 CGP-DSSPD-NR10-EXEA ChilP-Seq 4 822267 1307 452 0.49541 0.00 0.0013 0.00030 CGP-DSSPD-NR10-EXEA ChilP-Seq 4 82267 130 4525 0.50890 0.0013 0.000268 CGP-DSSPD-NR10-EXEA ChilP-Seq 10 81943 3631 4351 0.4948 0.0059 0.00203 0.00268 CGP-DSSPD-NR10-EXEA NonSpecifie 2 822352 1321 4255 0.50883 0.0229 0.00203 0	CGP-DSSPD-NR10-EXE1									
CGP-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq (10) 8232134 1440 4160 0.49535 0.00604 0.00081 0.006821 CGP-DSSPD-NR10-EXE3 NonSpecific Obligation of ChIP-Seq (10) 2 822534 1309 4255 0.50914 0.0261 0.00257 0.01013 CGP-DSSPD-NR10-EXE3 NonSpecific Obligation of ChIP-Seq (10) 4 822267 1307 4522 0.49811 0.006 -0.0013 0.00306 CGP-DSSPD-NR10-EXE4 NonSpecific Obligation of ChIP-Seq (10) 1 822026 3635 4516 0.4948 0.0043 -0.00208 0.001009 CGP-DSSPD-NR10-EXE4 NonSpecific Obligation of ChIP-Seq (10) 1 819404 3435 0.4948 0.00473 -0.00100 0.00100 CGP-DSSPD-NR10-EXE5 NonSpecific Obligation of ChIP-Seq (10) 2 822522 1321 4255 0.5083 0.0295 -0.00258 0.00140 CGP-SSPD-NR10-EXE5 NonSpecific Obligation of ChIP-Seq (10) 822252 1321 4255 0.5083 0.0221 0.00254 0.00248 CG			2	822154	1420	4524	0.49541	0.00594	-0.00228	0.001379
CGP-DSSPD-NR10-EXE3 ChIP-Seq STRING STR										
CGP-DSSPD-NR10-EXE3 STRING 2 822534 1309 4255 0.50914 0.02361 -0.00207 0.01150 CGP-DSSPD-NR10-EXE3 NonSpecific STRING 6 8203287 3131 3436 0.49481 0.00 -0.00257 0.00100 CGP-DSSPD-NR10-EXE4 NonSpecific CHP-Seq 1 821024 3635 4251 0.49468 0.0023 -0.00245 0.00268 CGP-DSSPD-NR10-EXE4 NonSpecific CHP-Seq 1 811943 3631 4516 0.49468 0.0059 -0.00245 0.002682 CGP-DSSPD-NR10-EXE5 NonSpecific OLP-Seq 822522 1312 4525 0.49468 0.0059 -0.00245 0.00268 CGP-DSSPD-NR10-EXE5 NonSpecific OLP-Seq 822522 1318 4521 0.49468 0.00594 -0.00245 0.00388 CGP-LYM-BKM-NR10-EXE4 NonSpecific OLP-Seq 13 818450 5174 4514 0.49410 0.00594 -0.00318 0.00458 CGP-KM-BKM-NR10-EXE4 NonSpecific OLP-Seq 13 821333	CGP-DSSPD-NR10-EXE2									
CGP-DSSPD-NR10-EXE3 NonSpecific (CHP-Seq LAP) 4 822367 (1307) 4522 (1494) 0.006 (1006) -0.0013 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (1008) 0.00100 (100000) 0.00100 (10000) 0.00100 (10000) 0.0										
CGP-DSSPD-NR10-EXE4 ChIP-Seq (70 No.) 4 822267 1307 4522 0.49541 0.006 -0.0013 0.00300 CGP-DSSPD-NR10-EXE4 NonSpecific (70 No.) 1 821024 3635 4251 0.50899 0.00473 -0.00403 0.001609 CGP-DSSPD-NR10-EXE4 NonSpecific (70 No.) 1 819943 3631 4516 0.49468 0.00595 -0.00245 0.00268 CGP-DSSPD-NR10-EXE5 NonSpecific (70 No.) 2 822526 1318 4521 0.49468 0.00594 -0.00258 0.00146 CGP-MM-BKM-NR10-EXE1 NonSpecific (70 No.) 2 822256 1318 4521 0.49446 0.00594 -0.00528 0.00388 CGP-KM-BKM-NR10-EXE1 NonSpecific (70 No.) 3 819478 5186 3436 0.49446 0.00585 -0.00310 0.00428 CGP-KM-BKM-NR10-EXE2 NonSpecific (70 No.) 2 819478 5185 4514 0.49319 0.00585 -0.0033 0.00548 CGP-KM-BKM-NR10-EXE3 NonSpecific (7	CGP-DSSPD-NR10-EXE3									
CGP-DSSPD-NR10-EXE4 STRING 6 820208 3635 4251 0.50899 0.02314 -0.00325 0.00160 CGP-DSSPD-NR10-EXE4 NonSpecific 1 821024 3640 3435 0.4948 0.00473 -0.00240 0.00268 CGP-DSSPD-NR10-EXE5 NonSpecific 2 822525 1321 4255 0.50883 0.02925 -0.0023 0.001462 CGP-DSSPD-NR10-EXE5 NonSpecific 2 822256 1318 4521 0.4946 0.00594 -0.00203 0.00368 CGP-KM-BKM-NR10-EXE5 NonSpecific 2 818459 5184 4255 0.50793 0.0211 -0.00528 0.0033 CGP-KM-BKM-NR10-EXE1 NonSpecific 0 819478 5184 4255 0.50793 0.0211 -0.00528 0.0033 CGP-KM-BKM-NR10-EXE4 NonSpecific 0 822471 2193 4356 0.50749 0.0215 -0.0333 0.0044 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 81233 2181	CGI -DSSI D-IVICIO-EALS							_		
CGP-DSSPD-NR10-EXE5 ChIP-Seq STRING 10 brack String 819943 3631 brack String 4255 brack String 0.00595 brack String 0.00268 brack String 0.001462 brack String 0.00268 brack String 0.00368 brack String 0.00338 brack String 0.00468 brack String 0.00468 brack String 0.00468 brack String 0.00468 brack String 0.00586 brack String 0.00338 brack String 0.00586 brack String 0.00338 brack String 0.00586 brack String 0										
CGP-DSSPD-NR10-EXE5 STRING 2 822522 1321 4255 0.50883 0.02295 -0.00203 0.014162 CGP-DSSPD-NR10-EXE5 NonSpecific 0 823341 1323 3436 0.49298 0 -0.00258 0.0 CHP-Seq 5 822256 1318 4521 0.49446 0.00594 -0.00528 0.00365 CGP-KM-BKM-NR10-EXE1 NonSpecific 0 819478 5186 3436 0.49147 0 -0.00512 0.002488 CGP-KM-BKM-NR10-EXE1 NonSpecific 1 821651 2192 4256 0.50749 0.02175 -0.00338 0.00468 CGP-KM-BKM-NR10-EXE2 NonSpecific 0 822471 2193 3436 0.49068 0 -0.00338 0.00158 CGP-KM-BKM-NR10-EXE2 NonSpecific 0 822471 2193 3436 0.49068 0 -0.00333 0.0 CGP-KM-BKM-NR10-EXE3 NonSpecific 0 819573 5127 4254 0.5678 0.0218	CGP-DSSPD-NR10-EXE4		1	821024		3435		0.00473	-0.00401	
CGP-DSSPD-NR10-EXE5 NonSpecific ChIP-Seq 5 823341 1323 3436 0.49298 0 -0.00258 0.03655 CGP-KM-BKM-NR10-EXE1 5TRING 2 818659 5184 4255 0.50793 0.02211 -0.00528 0.00385 CGP-KM-BKM-NR10-EXE1 NonSpecific ChIP-Seq 3 818409 5174 4545 0.50793 0.02211 -0.00528 0.00388 CGP-KM-BKM-NR10-EXE1 NonSpecific ChIP-Seq 1 821651 2192 4256 0.50749 0.00585 -0.00319 0.002468 CGP-KM-BKM-NR10-EXE2 NonSpecific ChIP-Seq 13 821431 2193 3436 0.49068 0 -0.00333 0.005848 CGP-KM-BKM-NR10-EXE3 NonSpecific ChIP-Seq 12 818718 5125 4255 0.50678 0.02118 -0.00524 0.00384 CGP-KM-BKM-NR10-EXE3 NonSpecific ChIP-Seq 12 818718 5127 4516 0.49198 0.00578 -0.00334 0.02349 CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq		•								
CGP-KM-BKM-NR10-EXE1 ChiP-Seq STRING 5 822256 s184659 1318 s25 0.49446 s25 0.00594 s20 -0.00328 s20 0.00385 s20 0.00346 s20 0.00385 s20 0.00346 s20 0.0046 s20 0.00346 s20 0.00348 s20	CCD DCCDD ND10 EVE									
CGP-KM-BKM-NR10-EXE1 STRING 2 818659 5184 4255 0.50793 0.02211 -0.00528 0.00038 CGP-KM-BKM-NR10-EXE1 NonSpecific 0 819478 5186 3436 0.49147 0 -0.00512 0.0 CGP-KM-BKM-NR10-EXE2 ChIP-Seq 13 818400 5174 4514 0.49319 0.00585 -0.00319 0.002468 CGP-KM-BKM-NR10-EXE2 NonSpecific 0 822471 2193 3436 0.49088 0 -0.00338 0.00045 CGP-KM-BKM-NR10-EXE2 NonSpecific 0 822471 2193 3436 0.49088 0 -0.00333 0.0 CGP-KM-BKM-NR10-EXE3 NonSpecific 0 819537 5127 3436 0.48947 0 -0.00524 0.00384 CGP-KM-BKM-NR10-EXE3 NonSpecific 0 819537 5127 3436 0.48947 0 -0.0034 0.00230 CGP-KM-BKM-NR10-EXE4 NonSpecific 0 821014 3650 3436	CGP-DSSPD-NR10-EXE5									
CGP-KM-BKM-NR10-EXE1 NonSpecific ChIP-Seq (DIP-Seq (D										
CGP-KM-BKM-NR10-EXE2 ChiP-Seq STRING 13 brack String 818400 brack String 4514 brack String 0.49319 brack String 0.00358 brack String 0.00458 brack String 0.00584 brack String <td>CGP-KM-BKM-NR10-EXE1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	CGP-KM-BKM-NR10-EXE1									
CGP-KM-BKM-NR10-EXE2 NonSpecific ChIP-Seq 13 822471 2193 3436 0.49068 0 -0.00333 0.0 ChIP-Seq 13 821393 2181 4514 0.4931 0.00586 0.00032 0.005848 CGP-KM-BKM-NR10-EXE3 NonSpecific 0 819537 5127 3436 0.48947 0 -0.00509 0.0 CGP-KM-BKM-NR10-EXE3 NonSpecific 0 819537 5127 3436 0.48947 0 -0.00509 0.0 CHIP-Seq 12 818459 5115 4514 0.49198 0.00578 -0.0034 0.002301 STRING 3 819272 4571 4254 0.50633 0.02044 -0.00467 0.000645 CGP-KM-BKM-NR10-EXE4 NonSpecific 0 821014 3650 3436 0.48821 0 -0.0043 0.0 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 821055 3609 3436 0.48701 0 -0.00427 0.0										
CGP-KM-BKM-NR10-EXE3 ChIP-Seq STRING STRING 2 818718 5125 5125 4255 5105 0.00586 0.00118 0.00524 0.000384 CGP-KM-BKM-NR10-EXE3 NonSpecific OLIP-Seq STRING 0 819537 5127 3436 0.48947 0 -0.00509 0.0 CGP-KM-BKM-NR10-EXE4 NonSpecific OLIP-Seq STRING 3 819272 4571 4254 0.50633 0.02084 0.00578 0.000645 -0.00430 0.00645 CGP-KM-BKM-NR10-EXE4 NonSpecific OLIP-Seq STRING 2 819020 4554 4506 0.49139 0.00577 0.00111 0.004297 -0.00430 0.00547 CGP-KM-BKM-NR10-EXE4 NonSpecific OLIP-Seq STRING 3600 4554 4506 0.49139 0.00577 0.00111 0.004297 -0.00420 0.00547 CGP-KM-BKM-NR10-EXE5 NonSpecific OLIP-Seq STRING 3600 3436 0.48701 0.00573 0.00241 0.000547 -0.00427 0.002188 CGP-KM-DSSPD-NR10-EXE1 NonSpecific OLIP-Seq STRING 4255 0.50538 0.000573 0.00273 0.00292 0.002188 0.0020188 0.0020188 CGP-KM-DSSPD-NR10-EXE1 NonSpecific OLIP-Seq STRING 4257 0.50538 0.000571 0.00077 0.0004049 0.000645 0.00077 0.0004049 CGP-KM-DSSPD-NR10-EXE1 NonSpecific OLIP-Seq STRING 4257 0.50538 0.000571 0.00077 0.00077 0.0004049 0.000577 0.00077 0.0004049			1	821651	2192	4256	0.50749	0.02175	-0.00338	0.00045
CGP-KM-BKM-NR10-EXE3 STRING 2 818718 5125 4255 0.50678 0.02118 -0.00524 0.000384 CGP-KM-BKM-NR10-EXE3 NonSpecific 0 819537 5127 3436 0.48947 0 -0.00509 0.0 ChiP-Seq 12 818459 5115 4514 0.49198 0.00578 -0.00334 0.002301 CGP-KM-BKM-NR10-EXE4 NonSpecific 0 821014 3650 3436 0.48821 0 -0.0043 0.0 CHP-Seq 20 819020 4554 4506 0.49139 0.00577 -0.00111 0.004297 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 821055 3609 3436 0.48701 0 -0.00424 0.000547 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 821055 3609 3436 0.48701 0 -0.00427 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 0 822420 1423 4257 0.50538 0 -0.00268 <t< td=""><td>CGP-KM-BKM-NR10-EXE2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	CGP-KM-BKM-NR10-EXE2									
CGP-KM-BKM-NR10-EXE3 NonSpecific ChIP-Seq 12 819537 5127 3436 0.48947 0 -0.00509 0.0 ChIP-Seq 12 818459 5115 4514 0.49198 0.00578 -0.00334 0.002301 CGP-KM-BKM-NR10-EXE4 NonSpecific 0 821014 3650 3436 0.48821 0 -0.0043 0.0 CGP-KM-BKM-NR10-EXE4 NonSpecific 0 819020 4554 4506 0.49139 0.00577 -0.00111 0.004297 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 821055 3609 3436 0.48701 0 -0.00424 0.000547 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 821055 3609 3436 0.48701 0 -0.00427 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 0 822420 1423 4257 0.50538 0 -0.00298 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 0 823241 1423 3436 0.4865 0 -0.00268 0.0 CHIP-Seq 6 <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		•								
CGP-KM-BKM-NR10-EXE4 NonSpecific 0 821014 3650 3436 0.48821 0 -0.00467 0.000645 CGP-KM-BKM-NR10-EXE4 NonSpecific 0 821014 3650 3436 0.48821 0 -0.00467 0.000645 0.000646 0.000647 0.000646 0.000	CCD KM DKM ND10 EVE9									
CGP-KM-BKM-NR10-EXE4 NonSpecific 0 821014 3650 3436 0.48821 0 -0.00467 0.000645 ChIP-Seq 20 819020 4554 4506 0.49139 0.00577 -0.00111 0.004297 STRING 2 820236 3607 4255 0.50563 0.02041 -0.00424 0.000547 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 821055 3609 3436 0.48701 0 -0.00427 0.0 ChIP-Seq 8 819973 3601 4518 0.4906 0.00573 -0.00292 0.002188 STRING 0 822420 1423 4257 0.50538 0 -0.00292 0.002188 STRING 0 823241 1423 3436 0.4865 0 -0.00298 0.0 ChIP-Seq 6 822157 1417 4520 0.4903 0.00571 -0.0007 0.004049 STRING 0 822391 1452 4257 0.5051 0 -0.00301 0.0	OGI -KWI-DKWI-NKIU-EAE3							-		
CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq 0 821014 3650 3436 0.48821 0 -0.0043 0.0 ChIP-Seq 20 819020 4554 4506 0.49139 0.00577 -0.00111 0.004297 CGP-KM-BKM-NR10-EXE5 NonSpecific O 821055 3609 3436 0.48701 0 -0.00427 0.0 CHIP-Seq 8 819973 3601 4518 0.4906 0.00573 -0.00292 0.002188 STRING 0 822420 1423 4257 0.50538 0 -0.00298 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific O 823241 1423 3436 0.4865 0 -0.00268 0.0 CHIP-Seq 6 822157 1417 4520 0.4903 0.00571 -0.0007 0.004049 STRING 0 822391 1452 4257 0.5051 0 -0.00301 0.0		•								
CGP-KM-BKM-NR10-EXE5 ChIP-Seq 20 819020 4554 4506 0.49139 0.00577 -0.00111 0.004297	CGP-KM-BKM-NR10-EXE4									
CGP-KM-BKM-NR10-EXE5 NonSpecific OLIP-Seq 8 821055 3609 3436 0.48701 0 -0.00427 -0.00427 0.0 ChIP-Seq 8 819973 3601 4518 0.4906 0.00573 -0.00292 0.002188 STRING 0 822420 1423 4257 0.50538 0 -0.00298 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 0 823241 1423 3436 0.4865 0 0 -0.00268 0.0 ChIP-Seq 6 822157 1417 4520 0.4903 0.00571 -0.0007 0.004049 STRING 0 822391 1452 4257 0.5051 0 -0.00301 0.0		ChIP-Seq	20							
ChIP-Seq 8 819973 3601 4518 0.4906 0.00573 -0.00292 0.002188 STRING 0 822420 1423 4257 0.50538 0 -0.00298 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 0 823241 1423 3436 0.4865 0 -0.00268 0.0 ChIP-Seq 6 822157 1417 4520 0.4903 0.00571 -0.0007 0.004049 STRING 0 822391 1452 4257 0.5051 0 -0.00301 0.0										
CGP-KM-DSSPD-NR10-EXE1 STRING O S22420 1423 4257 0.50538 0 -0.00298 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific O S23241 1423 3436 0.4865 0 -0.00268 0.0 ChIP-Seq 6 822157 1417 4520 0.4903 0.00571 -0.0007 0.004049 STRING 0 822391 1452 4257 0.5051 0 -0.00301 0.0	CGP-KM-BKM-NR10-EXE5							-		
CGP-KM-DSSPD-NR10-EXE1 NonSpecific 0 ChIP-Seq 823241 1423 3436 0.4865 0 -0.00268 0.0 ChIP-Seq 6 822157 1417 4520 0.4903 0.00571 -0.0007 0.004049 STRING 0 822391 1452 4257 0.5051 0 -0.00301 0.0										
ChIP-Seq 6 822157 1417 4520 0.4903 0.00571 -0.0007 0.004049 STRING 0 822391 1452 4257 0.5051 0 -0.00301 0.0	CCP-KM-DSSPD-NR10-EXE1									
STRING 0 822391 1452 4257 0.5051 0 -0.00301 0.0	CGI -KW-DSSI D-WIGIO-DADI							-		
CGP-KM-DSSPD-NR10-EXE2 NonSpecific 1 823213 1451 3435 0.48611 0.00421 -0.00226 0.000673		•								
	CGP-KM-DSSPD-NR10-EXE2	NonSpecific						-		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		•	6							
STRING 0 822371 1472 4257 0.50486 0 -0.00303 0.0	COD IN A POST									
CGP-KM-DSSPD-NR10-EXE3 NonSpecific 0 823192 1472 3436 0.48558 0 -0.00272 0.0	CGP-KM-DSSPD-NR10-EXE3	•								
ChIP-Seq 4 822106 1468 4522 0.48968 0.00568 -0.00157 0.002647 STRING 0 822419 1424 4257 0.50464 0 -0.00298 0.0		•								
STRING 0 822419 1424 4257 0.50464 0 -0.00298 0.0 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 0 823240 1424 3436 0.48515 0 -0.00268 0.0	CGP_KM_DSSPD_NR10_FYF4									
Chip-seq 6 822156 1418 4520 0.48941 0.00567 -0.00071 0.004098	CGI IXVI-DOGI D-NI(IU-EAE4	_						-		
STRING 1 822232 1611 4256 0.50451 0.0198 -0.00279 0.000607										
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	CGP-KM-DSSPD-NR10-EXE5	NonSpecific								
ChIP-Seq 3 821965 1609 4523 0.48893 0.00564 -0.00216 0.001821		ChIP-Seq	3	821965	1609	4523	0.48893	0.00564	-0.00216	0.001821

Tabela 16: Tabular results for hHep problem considering the 500TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	281	884005	7177	7241	0.51369	0.04093	0.02943	0.037347
PIDC	NonSpecific	52	890548	4038	4066	0.50407	0.01135	0.00814	0.012591
	ChIP-Seq	152	879163	9698	9691	0.50254	0.01609	0.00453	0.015292
CENTES	STRING	132	883799	7383	7390	0.51309	0.03288	0.00927	0.017546
GENIE3	NonSpecific	$\frac{25}{71}$	890484	4102	4093	0.50381	0.00905	0.00148	0.006055
	ChIP-Seq STRING	71 134	879005 883838	$9856 \\ 7344$	$9772 \\ 7388$	0.50034 0.51397	0.01322 0.03118	-0.00386 0.0096	0.007141 0.017812
GRNBOOST2	NonSpecific	28	890501	4085	4090	0.51397 0.5037	0.03118 0.00846	0.0090 0.00223	0.017812 0.006781
GILI DOOD 12	ChIP-Seq	78	879072	9789	9765	0.49999	0.01286	-0.00309	0.007848
	STRING	66	883873	7309	7456	0.51444	0.02759	0.00058	0.008773
SINCERITIES	NonSpecific	14	890541	4045	4104	0.5033	0.0075	-0.00113	0.003391
	ChIP-Seq	158	879282	9579	9687	0.50272	0.01404	0.0053	0.015897
	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq STRING	$0 \\ 136$	$0 \\ 876595$	$0 \\ 14587$	$0 \\ 7386$	0 51429	0	0	$0 \\ 0.009102$
CGP-DSSPD-NR5-EXE1	NonSpecific	71	879934	14587 14652	4047	$0.51438 \\ 0.504$	$0.02542 \\ 0.00736$	0.00123 0.00046	0.009102 0.004752
CGI -DSSI D-IVIG-EXEI	ChIP-Seq	161	874298	14563	9683	0.504 0.50317	0.00730 0.01387	-2e-05	0.004752 0.010776
	STRING	133	876395	14787	7389	0.51434	0.02414	0.00078	0.008784
CGP-DSSPD-NR5-EXE2	NonSpecific	76	879742	14844	4042	0.50384	0.00707	0.00098	0.005019
	ChIP-Seq	174	874113	14748	9671	0.50336	0.01372	0.00088	0.011491
	STRING	122	876939	14243	7400	0.51418	0.0233	0.00017	0.008368
CGP-DSSPD-NR5-EXE3	NonSpecific	42	880263	14323	4076	0.50361	0.00686	-0.00313	0.002881
	ChIP-Seq	182	874677	14184	9662	0.5039	0.0137	0.0021	0.012484
CGP-DSSPD-NR5-EXE4	STRING NonSpecific	130 60	876266 879599	$\frac{14916}{14987}$	$7392 \\ 4059$	$0.51451 \\ 0.50334$	$0.02285 \\ 0.0067$	0.00039 -0.00115	0.008513 0.003929
CGF-DSSFD-NR3-EAE4	NonSpecific ChIP-Seq	139	873953	14908	9705	0.50334 0.50286	0.0067 0.01339	-0.00115	0.003929 0.009103
	STRING	117	876301	14881	7405	0.50280 0.51385	0.01333 0.02226	-0.00213	0.003103 0.007697
CGP-DSSPD-NR5-EXE5	NonSpecific	77	879664	14922	4042	0.5032	0.00661	0.00106	0.005066
	ChIP-Seq	172	874034	14827	9672	0.50318	0.01339	0.00064	0.011316
	STRING	84	882194	8988	7438	0.51437	0.02204	0.00099	0.009102
CGP-DSSPD-NR10-EXE1	NonSpecific	46	885559	9027	4073	0.50307	0.00653	0.00073	0.004984
	ChIP-Seq	123	877106	11755	9722	0.50309	0.01334	-0.00067	0.010196
CGP-DSSPD-NR10-EXE2	STRING	56	885011	6171	7466	0.51434	0.02172	0.00057	0.00888
CGP-DSSPD-NR10-EXE2	NonSpecific ChIP-Seq	$\frac{28}{97}$	888430 882730	$6156 \\ 6131$	$4090 \\ 9747$	$0.50282 \\ 0.5044$	$0.00644 \\ 0.01352$	-7e-05 0.00371	0.004471 0.015382
	STRING	83	882554	8628	7439	0.5044 0.51471	0.01352 0.02151	0.00371 0.00126	0.013362 0.009363
CGP-DSSPD-NR10-EXE3	NonSpecific	35	888687	5899	4083	0.5035	0.02151 0.00651	0.00120 0.00159	0.005798
	ChIP-Seq	92	880241	8620	9752	0.50382	0.01339	-0.00037	0.010378
	STRING	84	882190	8992	7438	0.51489	0.02135	0.00098	0.009106
CGP-DSSPD-NR10-EXE4	NonSpecific	29	888515	6071	4089	0.50415	0.00655	0.00021	0.004683
	ChIP-Seq	91	876972	11889	9754	0.50301	0.01326	-0.00375	0.00749
CGP-DSSPD-NR10-EXE5	STRING NonSpecific	$\frac{50}{37}$	885427 888818	$5755 \\ 5768$	$7472 \\ 4081$	$0.51475 \\ 0.50514$	$0.02117 \\ 0.00665$	0.00021 0.00214	0.00848 0.006275
CGF-DSSFD-NRIU-EAES	ChIP-Seq	83	883139	$5708 \\ 5722$	9760	0.50314 0.50363	0.00003 0.01332	0.00214 0.00259	0.000273 0.014077
	STRING	131	881915	9267	7391	0.51653	0.01332 0.0213	0.00293 0.00628	0.013745
CGP-KM-BKM-NR10-EXE1	NonSpecific	11	890197	4389	4107	0.50413	0.00649	-0.00216	0.002465
	ChIP-Seq	146	879609	9252	9697	0.50531	0.01345	0.00453	0.015318
	STRING	95	882902	8280	7427	0.51813	0.02156	0.00317	0.011068
CGP-KM-BKM-NR10-EXE2	NonSpecific	34	889343	5243	4084	0.50586	0.00668	0.00212	0.006314
	ChIP-Seq	46	880532	8329	9797	0.50344	0.01322	-0.00509	0.005359
CGP-KM-BKM-NR10-EXE3	STRING NonSpecific	$\begin{array}{c} 123 \\ 9 \end{array}$	883173 889443	$8009 \\ 5143$	$7399 \\ 4109$	$0.51915 \\ 0.50497$	$\begin{array}{c} 0.02157 \\ 0.00657 \end{array}$	0.00709 -0.00319	0.014905 0.001707
CGI -KM-BKM-NITIO-EAES	ChIP-Seq	90	877680	11181	9753	0.50497 0.50217	0.00037 0.01305	-0.00319	0.001707 0.007837
	STRING	81	883748	7434	7441	0.52217 0.52007	0.02161	0.00243	0.010566
CGP-KM-BKM-NR10-EXE4	NonSpecific	33	887104	7482	4085	0.50655	0.00671	-0.00026	0.004305
	ChIP-Seq	102	878075	10786	9742	0.50136	0.01297	-0.00169	0.009167
	STRING	108	880403	10779	7414	0.52037	0.02155	0.00188	0.009748
CGP-KM-BKM-NR10-EXE5	NonSpecific	33	888577	6009	4085	0.50727	0.00673	0.00107	0.005398
	ChIP-Seq	105	878079	10782	9738	0.50067	0.01289	-0.00139	0.009477
CGP-KM-DSSPD-NR10-EXE1	STRING NonSpecific	$\frac{109}{39}$	883739 889661	$7443 \\ 4925$	$7413 \\ 4079$	$0.52157 \\ 0.50689$	$\begin{array}{c} 0.02162 \\ 0.00665 \end{array}$	0.00613 0.00361	0.014187 0.007744
CGF-RM-DSSFD-NRI0-EAEI	ChIP-Seq	$\frac{39}{124}$	881433	$\frac{4923}{7428}$	9719	0.50089 0.50191	0.00003 0.01298	0.00361 0.00484	0.007744 0.01614
	STRING	122	882664	8518	7400	0.52307	0.01230 0.02172	0.00404	0.01314 0.013837
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	28	889360	5226	4090	0.50725	0.00665	0.00022	0.005207
	ChIP-Seq	109	880330	8531	9734	0.50223	0.01297	0.00158	0.012362
	STRING	135	881922	9260	7387	0.52477	0.02185	0.00677	0.014187
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	17	889193	5393	4101	0.50689	0.00659	-0.00166	0.0031
	ChIP-Seq	104	879569	9292	9740	0.50124	0.01286	0.00011	0.010929
CCD VM DCCDD ND40 EVE	STRING NanSpacific	54 41	887491	$\frac{3691}{2704}$	7468	0.52524	0.0218	0.0043	0.014324
CGP-KM-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{41}{37}$	890882 885153	$3704 \\ 3708$	$4077 \\ 9806$	$0.50912 \\ 0.50089$	0.00673 0.01283	0.0061 -0.00067	0.010875 0.009814
	STRING	91	885093	6089	7431	0.52664	0.01283 0.02194	0.00581	0.009814 0.014392
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	$\frac{31}{21}$	889281	5305	4097	0.52004	0.02134 0.00674	-0.00073	0.014932 0.00384
	ChIP-Seq	67	882747	6114	9777	0.50056	0.01279	-9e-05	0.010596
	1								

Tabela 17: Tabular results for mDC problem considering the 500TF configuration without self-loop.

PIDC	
ChIP-Seq	0.029277
GENIE3 STRING 63 664474 4752 4752 0.5087 0.03522 0.00508 GENIE3 NonSpecific 1 667529 756 755 0.50017 0.00403 0.00526 ChIP-Seq 1 667529 756 755 0.50017 0.00405 0.0002 GRNBOOST2 NonSpecific 19 667926 3048 0.3088 0.0153 0.00165 STRING 36 664669 4557 4779 0.5085 0.02814 0.00068 SINCERITIES NonSpecific 8 668069 2905 369 0.50788 0.01204 -0.00177 ChIP-Seq 0 672568 717 756 0.49928 0 -0.00137 PPCOR NonSpecific 0 672568 717 756 0.49824 0 -0.001296 PPCOR NonSpecific 0 672146 821 4815 50674 0.0024 -0.00113 STRING 10 <td< td=""><td>0.022816</td></td<>	0.022816
GENIE3 NonSpecific ChIP-Seq 1 (ChIP-Seq 1) 667937 (752) 3037 (755) 0.50937 (700,004) 0.00026 (700,000) GRNBOOST2 NonSpecific 19 (66792) 66471 (755) 4755 (755) 0.50836 (758) 0.0013 (700,000) GRNBOOST2 NonSpecific 19 (66792) 16 (72530) 755 (755) 0.49993 (700,000) 0.0002 (700,000) STRING (754) 16 (76250) 755 (755) 0.49993 (756) 0.0002 (700,000) SINCERITIES NonSpecific 8 (66806) 868069 (756) 2905 (757) 0.5078 (757) 0.0010 (757) PCOR NonSpecific 70 (761) 8 (68806) 2905 (757) 0.5078 (757) 0.0010 (757) PPCOR NonSpecific 70 (761) 8 (777) 756 (757) 0.0024 (757) 0.0010 (757) PPCOR NonSpecific 70 (761) 8 (777) 756 (757) 0.0024 (757) 0.0010 (757) PPCOR NonSpecific 70 (761) 672464 (757) 821 (756 (758)) 0.0024 (757) 0.0011 (757) CGP-DSSPD-NR5-EXE1 NonSpecific 70 (768) 152 (757) 1530 (757) 0.0024 (757) 0.0013 (757) CGP-DSSPD-NR5-EXE	0.002646
ChIP-Seq 1 672529 756 755 0.50017 0.00405 0.0020 GRNBOOST2 STRING 60 66471 4755 4755 0.50836 0.0311 0.00368 GRNBOOST2 NonSpecific 1 672530 755 755 0.49993 0.00367 0.0002 STRING 36 664609 257 4779 0.5085 0.0214 0.00068 SINCERITIES NonSpecific 6 668069 205 3059 0.50788 0.01204 -0.00107 ChIP-Seq 0 672568 717 756 0.49928 0 -0.00107 PPCOR NonSpecific 0 672464 821 4815 0.50747 0 -0.00236 CHP-Seq 1 672464 821 4815 0.50747 0 -0.00236 CGP-DSSPD-NR5-EXE1 NonSpecific 6 658125 15122 3017 0.50651 0.0111 -0.00257 -0.00135 CGP-DSSPD-NR	0.013084
GRNBOOST2 STRING 60 664471 4755 4755 0.50836 0.0311 0.00536 GRNBOOST2 NonSpecific ChIP-Seq 19 667926 3048 3048 0.50888 0.0153 0.00165 SINCERITIES ChIP-Seq 36 664669 4557 4779 0.5085 0.02844 0.00068 SINCERITIES NonSpecific ChIP-Seq 0 672568 717 756 0.49928 0 -0.00107 PPCOR NonSpecific STRING 0 672468 717 756 0.49928 0 -0.00107 PPCOR NonSpecific STRING 0 670153 821 3067 0.50741 0 -0.00236 CHP-Seq 0 672464 821 756 0.49824 0 -0.00117 CGP-DSSPD-NR5-EXE1 NonSpecific STRING 0 653852 15160 744 0.49767 0.00257 -0.0015 CGP-DSSPD-NR5-EXE2 NonSpecific STRING 0 653825 15391 470	0.009782 0.001321
GRNBOOST2 NonSpecific ChIP-Seq ChIP	0.001321 0.012461
Chilf-Seq 1 672530 755 755 0.4993 0.00367 0.0002 0.00068 STRING 36 664669 4557 4779 0.5085 0.02814 0.00068 0.00068 0.00068 0.00068 0.00068 0.00068 0.00068 0.00068 0.00068 0.00068 0.00068 0.000	0.012401 0.006195
SINCERITIES STRING 36 664669 4557 4779 0.5085 0.0281 0.00068 SINCERITIES NonSpecific 8 668069 205 3059 0.50788 0.01204 -0.00177 ChIP-Seq 0 672568 717 756 0.49928 0 -0.00109 PPCOR NonSpecific 0 670153 821 3067 0.50711 0 -0.00236 PPCOR NonSpecific 0 672464 821 756 0.49824 0 -0.00135 CGP-DSSPD-NR5-EXE1 NonSpecific 0 672464 821 756 0.49824 0 -0.00135 CGP-DSSPD-NR5-EXE1 NonSpecific 0 655852 15120 3017 0.50615 0.00111 -0.00236 CGP-DSSPD-NR5-EXE2 NonSpecific 60 655841 15430 2998 0.5080 0.01015 -0.00022 CGP-DSSPD-NR5-EXE2 NonSpecific 61 655741 1540 2998 0.50850 <td>0.001323</td>	0.001323
ChIP-Seq 0 672568 717 756 0.49928 0 0.00109 STRING 0 668405 821 4815 0.50747 0 0.00296 PPCOR NonSpecific 0 670153 821 3067 0.50711 0 0.00296 ChIP-Seq 0 672464 821 756 0.49824 0 0.00117 STRING 97 654151 15075 4718 0.50678 0.02512 0.00135 CGP-DSSPD-NR5-EXE1 NonSpecific 50 65852 15122 3017 0.50651 0.01011 0.00283 ChIP-Seq 12 658125 15160 744 0.49767 0.00257 0.0015 STRING 108 653835 15391 470 0.50651 0.01015 0.00022 CGP-DSSPD-NR5-EXE2 NonSpecific 69 655544 15430 2998 0.50808 0.01015 0.00022 ChIP-Seq 12 653798 15487 744 0.49776 0.00277 0.00159 STRING 102 653423 15803 4713 0.50698 0.02416 0.00013 CGP-DSSPD-NR5-EXE3 NonSpecific 68 654913 16035 4721 0.5061 0.02351 0.00042 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16035 4721 0.5061 0.02351 0.00042 CGP-DSSPD-NR5-EXE5 NonSpecific 68 654913 16035 4721 0.5061 0.02351 0.00042 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16035 4721 0.5061 0.02351 0.00042 CGP-DSSPD-NR5-EXE5 NonSpecific 68 654913 16035 4721 0.5061 0.02351 0.00042 CGP-DSSPD-NR5-EXE5 NonSpecific 68 654913 16035 4721 0.50618 0.00361 0.00071 CGP-DSSPD-NR5-EXE5 NonSpecific 68 654913 16035 4721 0.50618 0.00361 0.00071 CGP-DSSPD-NR5-EXE5 NonSpecific 68 667913 3061 3049 0.50858 0.00361 0.00071 CGP-DSSPD-NR10-EXE1 NonSpecific 80 666087 3159 4795 0.50566 0.02304 0.000361 CGP-DSSPD-NR10-EXE1 NonSpecific 80 667029 2986 747 0.49959 0.00365 0.00376 CGP-DSSPD-NR10-EXE2 NonSpecific 80 667029 2986 747 0.49959 0.00365 0.00376 CGP-DSSPD-NR10-EXE2 NonSpecific 80 667910 3064 3049 0.5056 0.02304 0.00036 CGP-DSSPD-NR10-EXE2 NonSpecific 667910 3064 3064 3049 0.5056 0.00365 0.00376 C	0.007477
PPCOR STRING 0 668405 821 4815 0.50747 0 -0.00296 PPCOR NonSpecific 0 670153 821 3067 0.50711 0 -0.00236 ChIP-Seq 0 672464 821 756 0.49824 0 -0.00117 CGP-DSSPD-NR5-EXE1 NonSpecific 50 655852 15122 3017 0.50651 0.01011 -0.00238 CGP-DSSPD-NR5-EXE1 NonSpecific 60 658852 15122 3017 0.50651 0.01011 -0.00238 CGP-DSSPD-NR5-EXE2 NonSpecific 69 655544 15430 2998 0.50808 0.01015 -0.00022 CGP-DSSPD-NR5-EXE2 NonSpecific 69 655544 15430 2998 0.50808 0.01015 -0.00159 CGP-DSSPD-NR5-EXE3 NonSpecific 71 655140 15487 744 0.49776 0.00217 -0.00159 CGP-DSSPD-NR5-EXE3 NonSpecific 6657396 15899 740	0.002608
PPCOR	0.0
ChiP-Seq 0 672464 821 756 0.49824 0 -0.00117 CGP-DSSPD-NR5-EXE1 STRING 97 654151 15075 4718 0.50678 0.02512 -0.00135 CGP-DSSPD-NR5-EXE21 NonSpecific 50 655852 15120 3017 0.50651 0.01011 -0.00283 CGP-DSSPD-NR5-EXE2 NonSpecific 69 655845 15160 744 0.49767 0.00246 -0.00032 CGP-DSSPD-NR5-EXE2 NonSpecific 69 655544 15430 2998 0.50808 0.01015 -0.00022 CGP-DSSPD-NR5-EXE3 NonSpecific 69 655423 15803 4713 0.50698 0.02416 -0.00135 CGP-DSSPD-NR5-EXE3 NonSpecific 71 655140 15834 2996 0.50859 0.00992 -0.00024 CGP-DSSPD-NR5-EXE3 NonSpecific 68 654913 16061 2999 0.50850 0.00364 -0.00024 CGP-DSSPD-NR5-EXE4 NonSpecific 68	0.0
CGP-DSSPD-NR5-EXE1 STRING 97 654151 15075 4718 0.50678 0.02512 -0.00135 CGP-DSSPD-NR5-EXE1 NonSpecific 50 655852 15122 3017 0.50651 0.01011 -0.00283 CGP-DSSPD-NR5-EXE2 NonSpecific 69 653835 15391 4707 0.50753 0.02466 -0.00032 CGP-DSSPD-NR5-EXE2 NonSpecific 69 655544 15430 2998 0.50808 0.01015 -0.00022 CGP-DSSPD-NR5-EXE3 NonSpecific 71 655140 15803 4713 0.50698 0.02416 -0.00135 CGP-DSSPD-NR5-EXE3 NonSpecific 71 655140 15834 2996 0.50859 0.00912 -0.00135 CGP-DSSPD-NR5-EXE4 NonSpecific 66 657396 15889 740 0.49912 0.00342 -0.00024 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16061 2999 0.50856 0.00366 -0.00078 CGP-DSSPD-NR5-EXE5 N	0.0
CGP-DSSPD-NR5-EXE1 NonSpecific ChIP-Seq (2) 50 655852 15122 3017 0.50651 0.01011 -0.00283 CGP-DSSPD-NR5-EXE2 ChIP-Seq (2) 12 658125 15160 744 0.49767 0.00257 -0.0015 CGP-DSSPD-NR5-EXE2 NonSpecific (69) 655544 15430 2998 0.50808 0.01015 -0.00022 CGP-DSSPD-NR5-EXE3 NonSpecific (71) 655744 15430 2998 0.50808 0.02416 -0.00135 CGP-DSSPD-NR5-EXE3 NonSpecific (71) 655140 15834 2996 0.50859 0.00924 -0.00135 CGP-DSSPD-NR5-EXE3 NonSpecific (71) 655140 15834 2996 0.50859 0.00992 -0.00024 CHIP-Seq (16) 657396 15889 740 0.49912 0.00342 -0.00054 CGP-DSSPD-NR5-EXE4 NonSpecific (68) 654913 16061 2999 0.50856 0.00364 -0.00074 CGP-DSSPD-NR5-EXE5 NonSpecific (71) 657896 15300 4711 0.50583 <td>$0.0 \\ 0.006393$</td>	$0.0 \\ 0.006393$
ChIP-Seq 12 658125 15160 744 0.49767 0.00257 0.00315 0.00257 0.00315 0.00257 0.00315 0.00257 0.00315 0.00257 0.00315 0.00257 0.00315 0.00257 0.00315 0.00257 0.000257	0.00393 0.003296
CGP-DSSPD-NR5-EXE2 STRING 108 653835 15391 4707 0.50753 0.02486 -0.00032 CGP-DSSPD-NR5-EXE2 NonSpecific 69 655544 15430 2998 0.50808 0.01015 -0.00022 ChIP-Seq 12 657798 15487 744 0.49776 0.00277 -0.00159 STRING 102 653423 15803 4713 0.50698 0.02416 -0.00135 CGP-DSSPD-NR5-EXE3 NonSpecific 71 655140 15834 2996 0.50859 0.00992 -0.00024 CGP-DSSPD-NR5-EXE4 NonSpecific 68 653191 16035 4721 0.5061 0.02351 -0.00245 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16061 2999 0.50856 0.00966 -0.00078 CGP-DSSPD-NR5-EXE5 NonSpecific 68 657179 16106 733 0.49858 0.00327 0.00142 CGP-DSSPD-NR5-EXE5 NonSpecific 60 655630 15344 <td>0.003290 0.000791</td>	0.003290 0.000791
CGP-DSSPD-NR5-EXE2 NonSpecific ChIP-Seq (12) 655544 15430 2998 0.50808 0.01015 -0.00022 ChIP-Seq (21) 657798 15487 744 0.49776 0.00277 -0.00159 STRING 102 653423 15803 4713 0.50698 0.02416 -0.00135 CGP-DSSPD-NR5-EXE3 NonSpecific 71 655140 15834 2996 0.50859 0.00992 -0.00024 ChIP-Seq (23) 653191 16035 4721 0.5061 0.02351 -0.00245 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16061 2999 0.50856 0.00966 -0.00078 CGP-DSSPD-NR5-EXE5 NonSpecific 70 6657396 15300 4711 0.50838 0.00327 0.00149 CGP-DSSPD-NR5-EXE5 NonSpecific 71 666167 3059 472 0.49872 0.00336 -0.00071 CGP-DSSPD-NR10-EXE1 NonSpecific 71 666167 3059 4795 0.50566 0.02304 -0.00052 CGP-DSSPD-NR10-EXE2	0.006968
ChIP-Seq 12 657798 15487 744 0.49776 0.00277 -0.00159 CGP-DSSPD-NR5-EXE3 STRING 102 653423 15803 4713 0.50698 0.02416 -0.00135 CGP-DSSPD-NR5-EXE3 NonSpecific 71 655140 15834 2996 0.50859 0.00992 -0.0002 CHIP-Seq 16 657396 15889 740 0.49912 0.00342 -0.00054 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16061 2999 0.50856 0.00966 -0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16061 2999 0.50856 0.00327 0.00142 STRING 104 653926 15300 4711 0.50838 0.00327 0.00142 CGP-DSSPD-NR5-EXE5 NonSpecific 60 655630 15344 3007 0.50838 0.00943 -0.00149 CGP-DSSPD-NR10-EXE1 NonSpecific 18 667913 3061 3049 0.50	0.004452
CGP-DSSPD-NR5-EXE3 NonSpecific ChIP-Seq 16 655140 15834 2996 0.50859 0.00992 -0.0002 choose ChIP-Seq 20 16 657396 15889 740 0.49912 0.00342 -0.00054 choose CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16061 2999 0.50856 0.00966 -0.00078 choose ChIP-Seq 23 657179 16106 733 0.49858 0.00327 0.00142 choose CGP-DSSPD-NR5-EXE5 NonSpecific 60 655630 15300 4711 0.50838 0.00934 -0.00071 choose CGP-DSSPD-NR5-EXE5 NonSpecific 60 655630 15344 3007 0.50838 0.00943 -0.00149 choose CGP-DSSPD-NR10-EXE1 NonSpecific 7 18 667913 3061 3049 0.50566 0.02304 -0.00052 choose CGP-DSSPD-NR10-EXE2 NonSpecific 7 18 667913 3061 3049 0.50533 0.02284 -0.00037 choose CGP-DSSPD-NR10-EXE2 NonSpecific 7 25 667910 3064	0.000774
ChIP-Seq 16 657396 15889 740 0.49912 0.00342 -0.00054 CGP-DSSPD-NR5-EXE4 STRING 94 653191 16035 4721 0.5061 0.02351 -0.00245 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16061 2999 0.50856 0.00966 -0.00078 ChIP-Seq 23 657179 16106 733 0.49858 0.00327 0.00142 STRING 104 653926 15300 4711 0.50583 0.02324 -0.00071 CGP-DSSPD-NR5-EXE5 NonSpecific 60 655630 15344 3007 0.50838 0.00943 -0.00149 CGP-DSSPD-NR10-EXE1 NonSpecific 18 667915 3061 3049 0.50566 0.02304 -0.00052 CGP-DSSPD-NR10-EXE2 NonSpecific 18 667913 3061 3049 0.50955 0.00365 0.00376 CGP-DSSPD-NR10-EXE2 NonSpecific 25 667910 3064 3042 0.510	0.006413
CGP-DSSPD-NR5-EXE4 STRING 94 653191 16035 4721 0.5061 0.02351 -0.00245 CGP-DSSPD-NR5-EXE4 NonSpecific 68 654913 16061 2999 0.50856 0.00966 -0.00078 ChIP-Seq 23 657179 16106 733 0.49858 0.00327 0.00142 STRING 104 653926 15300 4711 0.50583 0.02324 -0.00071 CGP-DSSPD-NR5-EXE5 NonSpecific 60 655630 15344 3007 0.50838 0.00943 -0.00149 ChIP-Seq 14 657895 15390 742 0.49872 0.00336 -0.00097 STRING 20 666167 3059 4795 0.50566 0.02304 -0.00052 CGP-DSSPD-NR10-EXE1 NonSpecific 18 667913 3061 3049 0.50955 0.00365 0.00376 CGP-DSSPD-NR10-EXE2 NonSpecific 25 667910 3064 3042 0.51069 0.00956 <	0.004464
CGP-DSSPD-NR5-EXE4 NonSpecific ChIP-Seq 68 654913 16061 2999 0.50856 0.00966 -0.00078 ChIP-Seq 23 657179 16106 733 0.49858 0.00327 0.00142 STRING 104 653926 15300 4711 0.50583 0.02324 -0.00071 CGP-DSSPD-NR5-EXE5 NonSpecific 60 655630 15344 3007 0.50838 0.00943 -0.00149 ChIP-Seq 14 657895 15390 742 0.49872 0.00336 -0.00097 STRING 20 666167 3059 4795 0.50566 0.02304 -0.00052 CGP-DSSPD-NR10-EXE1 NonSpecific 18 667913 3061 3049 0.50905 0.00365 0.00376 STRING 19 666080 3146 4796 0.50533 0.02284 -0.00093 CGP-DSSPD-NR10-EXE2 NonSpecific 25 667910 3064 3042 0.51069 0.00372 -0.0003	0.001006
ChIP-Seq 23 657179 16106 733 0.49858 0.00327 0.00142 STRING 104 653926 15300 4711 0.50583 0.02324 -0.00071	0.005828
CGP-DSSPD-NR5-EXE5 STRING 104 653926 15300 4711 0.50583 0.02324 -0.00071 CGP-DSSPD-NR5-EXE5 NonSpecific 60 655630 15344 3007 0.50838 0.00943 -0.00149 ChIP-Seq 14 657895 15390 742 0.49872 0.00336 -0.00097 STRING 20 666167 3059 4795 0.50566 0.02304 -0.00052 CGP-DSSPD-NR10-EXE1 NonSpecific 18 667913 3061 3049 0.50905 0.0094 0.0013 CGP-DSSPD-NR10-EXE2 NonSpecific 19 666080 3146 4796 0.50533 0.02284 -0.00093 CGP-DSSPD-NR10-EXE2 NonSpecific 25 667910 3064 3042 0.51069 0.00956 0.00357 ChIP-Seq 3 670199 3086 753 0.49981 0.00372 -0.0003 STRING 22 665932 3294 4793 0.50516 0.02272 -0	0.004216
CGP-DSSPD-NR5-EXE5 NonSpecific ChIP-Seq 60 655630 15344 3007 0.50838 0.00943 -0.00149 ChIP-Seq 14 657895 15390 742 0.49872 0.00336 -0.00097 STRING 20 666167 3059 4795 0.50566 0.02304 -0.00052 CGP-DSSPD-NR10-EXE1 NonSpecific Rolling 18 667913 3061 3049 0.50905 0.0094 0.0013 ChIP-Seq 9 670299 2986 747 0.49959 0.00365 0.00376 STRING 19 666080 3146 4796 0.50533 0.02284 -0.00093 CGP-DSSPD-NR10-EXE2 NonSpecific 25 667910 3064 3042 0.51069 0.00956 0.00357 ChIP-Seq 3 670199 3086 753 0.49981 0.00372 -0.0003 STRING 22 665932 3294 4793 0.50516 0.02272 -0.000042	0.001426 0.006751
ChIP-Seq 14 657895 15390 742 0.49872 0.00336 -0.00097 STRING 20 666167 3059 4795 0.50566 0.02304 -0.00052	0.003751 0.003895
CGP-DSSPD-NR10-EXE1 STRING 20 666167 3059 4795 0.50566 0.02304 -0.00052 CGP-DSSPD-NR10-EXE1 NonSpecific 18 667913 3061 3049 0.50905 0.0094 0.0013 ChIP-Seq 9 670299 2986 747 0.49959 0.00365 0.00376 STRING 19 666080 3146 4796 0.50533 0.02284 -0.00093 CGP-DSSPD-NR10-EXE2 NonSpecific 25 667910 3064 3042 0.51069 0.00956 0.00357 ChIP-Seq 3 670199 3086 753 0.49981 0.00372 -0.0003 STRING 22 665932 3294 4793 0.50516 0.02272 -0.00042	0.000909
CGP-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 18 667913 3061 3049 0.50905 0.0094 0.0013 ChIP-Seq 9 670299 2986 747 0.49959 0.00365 0.00376 STRING 19 666080 3146 4796 0.50533 0.02284 -0.00093 CGP-DSSPD-NR10-EXE2 NonSpecific 25 667910 3064 3042 0.51069 0.00956 0.00357 ChIP-Seq 3 670199 3086 753 0.49981 0.00372 -0.0003 STRING 22 665932 3294 4793 0.50516 0.02272 -0.00042	0.006496
CGP-DSSPD-NR10-EXE2 STRING 19 666080 3146 4796 0.50533 0.02284 -0.00093 NonSpecific 25 667910 3064 3042 0.51069 0.00956 0.00357 ChIP-Seq 3 670199 3086 753 0.49981 0.00372 -0.0003 STRING 22 665932 3294 4793 0.50516 0.02272 -0.00042	0.005846
CGP-DSSPD-NR10-EXE2 NonSpecific 25 (667910) 3064 (3042) 3042 (0.51069) 0.00956 (0.00357) ChIP-Seq 3 (67019) 3086 (753) 0.49981 0.00372 (-0.0003) STRING 22 (665932) 3294 (4793) 0.50516 (0.02272) -0.00042	0.003005
ChIP-Seq 3 670199 3086 753 0.49981 0.00372 -0.0003 STRING 22 665932 3294 4793 0.50516 0.02272 -0.00042	0.006003
STRING 22 665932 3294 4793 0.50516 0.02272 -0.00042	0.008093
	0.000971
CG1 -DS51 D-NR10-EAE5 NonSpecific 11 007606 5100 5050 0.50557 0.00525 -0.00111	0.006634 0.003462
ChIP-Seq 3 670111 3174 753 0.49927 0.00358 -0.00036	0.003402 0.000944
STRING 47 662987 6239 4768 0.50536 0.02269 0.00038	0.007477
CGP-DSSPD-NR10-EXE4 NonSpecific 14 667858 3116 3053 0.50957 0.00912 -8e-05	0.004473
ChIP-Seq 4 670159 3126 752 0.49876 0.00347 0.00032	0.001278
STRING $26 666259 2967 4789 0.50591 0.02283 0.00122$	0.008687
CGP-DSSPD-NR10-EXE5 NonSpecific 7 667988 2986 3060 0.50864 0.00891 -0.00219	0.002339
ChIP-Seq 4 670353 2932 752 0.49827 0.00337 0.00048	0.001362
STRING 170 663282 5944 4645 0.5173 0.02543 0.02347 CGP-KM-BKM-NR10-EXE1 NonSpecific 81 666656 4318 2986 0.51423 0.00953 0.0167	0.027805
CGP-KM-BKM-NR10-EXE1 NonSpecific 81 666656 4318 2986 0.51423 0.00953 0.0167 ChIP-Seq 2 671752 1533 754 0.49915 0.00358 0.00026	0.018413 0.001303
STRING 145 662923 6303 4670 0.52422 0.02677 0.01791	0.022488
CGP-KM-BKM-NR10-EXE2 NonSpecific 82 664608 6366 2985 0.51696 0.00983 0.01193	0.012717
ChIP-Seq 0 672168 1117 756 0.49875 0 -0.00136	0.0
STRING 95 664499 4727 4720 0.52559 0.02661 0.01266	0.019701
$ \begin{tabular}{lllllllllllllllllllllllllllllllllll$	0.013806
ChIP-Seq 1 670852 2433 755 0.49889 0.00355 -0.00128	0.000411
STRING 121 662992 6234 4694 0.52606 0.02643 0.01378	0.01904
CGP-KM-BKM-NR10-EXE4 NonSpecific 29 667041 3933 3038 0.51834 0.00983 0.00316	0.00732
ChIP-Seq 0 670809 2476 756 0.49864 0 -0.00203 STRING 194 659512 9714 4621 0.52831 0.02658 0.01804	$0.0 \\ 0.01958$
STRING 194 659512 9714 4621 0.52831 0.02658 0.01804 CGP-KM-BKM-NR10-EXE5 NonSpecific 169 661235 9739 2898 0.52012 0.00993 0.0227	0.01958 0.017057
ChIP-Seq 0 671712 1573 756 0.4985 0 -0.00162	0.017037
STRING 31 666309 2917 4784 0.5287 0.02654 0.00265	0.010516
CGP-KM-DSSPD-NR10-EXE1 NonSpecific 15 668041 2933 3052 0.52013 0.00987 0.00053	0.005088
ChIP-Seq 1 670767 2518 755 0.49863 0.00352 -0.00133	0.000397
STRING $26 ext{ } 665035 ext{ } 4191 ext{ } 4789 ext{ } 0.52939 ext{ } 0.02656 ext{ } -0.00092$	0.006166
CGP-KM-DSSPD-NR10-EXE2 NonSpecific 22 666779 4195 3045 0.52181 0.00999 0.00079	0.005217
Chip-Seq 0 672025 1260 756 0.49808 0 -0.00145	0.0
STRING 34 665139 4087 4781 0.53054 0.02669 0.00103 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 23 666876 4098 3044 0.52315 0.01007 0.0012	0.00825
•	0.005581 0.000799
ChIP-Seq 1 672035 1250 755 0.49831 0.00349 -0.00042 STRING 24 666308 2918 4791 0.53095 0.02665 0.0008	0.000799 0.008158
CGP-KM-DSSPD-NR10-EXE4 NonSpecific 15 668047 2927 3052 0.52316 0.01001 0.00054	0.005198 0.005099
ChIP-Seq 1 670786 2499 755 0.49851 0.00354 -0.00131	0.003033
STRING 19 666615 2611 4796 0.53106 0.0266 6e-05	0.0004
CGP-KM-DSSPD-NR10-EXE5 NonSpecific 13 668357 2617 3054 0.52299 0.00996 0.00036	0.007224
ChIP-Seq 1 670966 2319 755 0.4986 0.00356 -0.00121	

Tabela 18: Tabular results for mESC problem considering the 500TF configuration without self-loop.

Alg	RefNet	ТР	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	293	1239169	7469	7469	0.51591	0.06549	0.03176	0.037748
PIDC	NonSpecific	132	1240745	6762	6761	0.50724	0.02195	0.01373	0.019147
	ChIP-Seq	899	1196072	28715	28714	0.50315	0.035	0.00691	0.030357
	STRING	167	1239043	7595	7595	0.51759	0.05254	0.01542	0.021515
GENIE3	NonSpecific	96	1240709	6798	6797	0.50793	0.01649	0.00848	0.013925
	ChIP-Seq	1032	1196204	28583	28581	0.5051	0.03469	0.01151	0.034847
CDNDOOCTO	STRING	195	1239071	7567	7567	0.51874	0.04986	0.01905	0.025122
GRNBOOST2	NonSpecific	103	1240717	6790	6790	0.50798	0.01534	0.0095	0.014943
	ChIP-Seq	1040	1196214	28573	28573	0.5065	0.0352	0.01179	0.03512
CINCEDITIEC	STRING	93	1239066	7572	7669	0.5209	0.04142	0.00594	0.011981
SINCERITIES	NonSpecific	$\frac{51}{696}$	$\frac{1240752}{1196476}$	$6755 \\ 28311$	$6842 \\ 28917$	$0.50845 \\ 0.50588$	0.01341 0.03381	$0.002 \\ 0.00039$	0.007399 0.023503
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	090	1245518	1120	7762	0.50508 0.52013	0.03361	-0.00236	0.025505
PPCOR	NonSpecific	0	1246318 1246387	1120 1120	6893	0.52013 0.5079	0	-0.00230	0.0
11 Con	ChIP-Seq	0	1240367 1223667	1120 1120	29613	0.5013	0	-0.00222	0.0
	STRING	129	1226318	20320	7633	0.52064	0.03618	0.0002	0.006308
CGP-DSSPD-NR5-EXE1	NonSpecific	121	1227179	20328	6772	0.50914	0.01253	0.0002	0.005917
	ChIP-Seq	526	1204864	19923	29087	0.50593	0.03344	0.00179	0.025723
	STRING	140	1226237	20401	7622	0.52101	0.03401	0.00103	0.006816
CGP-DSSPD-NR5-EXE2	NonSpecific	128	1227094	20413	6765	0.51026	0.01228	0.00128	0.006231
	ChIP-Seq	508	1204754	20033	29105	0.50612	0.03324	0.00096	0.024731
	STRING	132	1226284	20354	7630	0.52088	0.03238	0.00042	0.006443
CGP-DSSPD-NR5-EXE3	NonSpecific	142	1227163	20344	6751	0.51054	0.0119	0.0025	0.006932
	ChIP-Seq	465	1204766	20021	29148	0.50588	0.03301	-0.00077	0.022698
	STRING	153	1226571	20067	7609	0.52118	0.03141	0.00225	0.007567
CGP-DSSPD-NR5-EXE4	NonSpecific	104	1227391	20116	6789	0.51084	0.01165	-0.00061	0.005143
	ChIP- Seq	497	1205064	19723	29116	0.50616	0.03295	0.00082	0.02458
	STRING	137	1225936	20702	7625	0.52125	0.03064	0.00064	0.006574
CGP-DSSPD-NR5-EXE5	NonSpecific	115	1226783	20724	6778	0.51037	0.01132	4e-05	0.005518
	ChIP-Seq	465	1204413	20374	29148	0.50588	0.0328	-0.00111	0.022314
CCD DCCDD ND10 EVE1	STRING	80	1234337	12301	7682	0.52153	0.02993	0.00035	0.006462
CGP-DSSPD-NR10-EXE1	NonSpecific	55 250	1235181	12326	6838	0.50993	0.01099	-0.00142	0.004442
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{259}{48}$	1212624	12163	$29354 \\ 7714$	$0.50544 \\ 0.5216$	$0.03261 \\ 0.02938$	-0.00182 -0.0003	0.02085
CGP-DSSPD-NR10-EXE2	NonSpecific	48 49	$1238552 \\ 1239422$	$8086 \\ 8085$	6844	0.5210 0.50979	0.02938 0.01079	0.00058	0.005901 0.006024
CGF-DSSFD-NRIO-EXE2	ChIP-Seq	49404	1205102	19685	29209		0.01079 0.03237	-0.00294	
	STRING	55	1203102 1238320	8318	7707	0.50431 0.52188	0.03237 0.0289	0.00234	0.020111 0.006569
CGP-DSSPD-NR10-EXE3	NonSpecific	58	1239192	8315	6835	0.52100	0.0108	0.00159	0.006927
COL DOSE D THE DELLO	ChIP-Seq	185	1216599	8188	29428	0.50409	0.03223	-0.00082	0.022095
	STRING	41	1238252	8386	7721	0.52153	0.02836	-0.00139	0.004865
CGP-DSSPD-NR10-EXE4	NonSpecific	47	1239127	8380	6846	0.51078	0.01069	9e-05	0.005577
	ChIP-Seq	406	1208615	16172	29207	0.50422	0.03221	0.00067	0.02449
	STRING	73	1234458	12180	7689	0.52129	0.02793	-0.00029	0.005958
CGP-DSSPD-NR10-EXE5	NonSpecific	61	1235315	12192	6832	0.51052	0.01056	-0.00069	0.004978
	ChIP-Seq	266	1212800	11987	29347	0.50383	0.03211	-0.00124	0.021709
	STRING	44	1237324	9314	7718	0.52131	0.02776	-0.00164	0.004702
CGP-KM-BKM-NR10-EXE1	NonSpecific	35	1240535	6972	6858	0.5104	0.01046	-0.00051	0.004995
	ChIP-Seq	255	1205993	18794	29358	0.50155	0.03173	-0.00836	0.013387
CCD LIM DIAM ND40 EVEO	STRING	40	1235570	11068	7722	0.52014	0.02716	-0.00312	0.003601
CGP-KM-BKM-NR10-EXE2	NonSpecific	43	1236442	11065	6850	0.50952	0.01026	-0.00208	0.003871
	ChIP-Seq	358	1212811	11976	29255	0.50266	0.03191	0.00356	0.029025
CGP-KM-BKM-NR10-EXE3	STRING NonSpecific	$\frac{60}{74}$	$1235011 \\ 1235894$	$11627 \\ 11613$	$7702 \\ 6819$	$0.52064 \\ 0.51008$	0.02714 0.01028	-0.0013 0.0011	0.005134 0.006332
OI -IM-DIMI-MUIDEAES	ChIP-Seq	$\frac{74}{336}$	1233894 1209981	14806	29277	0.51008 0.50261	0.01028 0.0319	-0.0011	0.000332 0.02219
	STRING	58	1235359	11279	7704	0.52023	0.02683	-0.0013	0.02213 0.005116
CGP-KM-BKM-NR10-EXE4	NonSpecific	66	1236236	11273 11271	6827	0.51059	0.01027	0.00042	0.005110 0.005822
	ChIP-Seq	445	1201696	23091	29168	0.50103	0.03161	-0.00428	0.018907
	STRING	54	1237723	8915	7708	0.52097	0.02689	-0.00018	0.006021
CGP-KM-BKM-NR10-EXE5	NonSpecific	58	1238596	8911	6835	0.51131	0.01032	0.00112	0.006467
	ChIP-Seq	213	1211852	12935	29400	0.49982	0.03142	-0.00502	0.0162
	STRING	33	1239816	6822	7729	0.52046	0.02664	-0.0013	0.004814
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	49	1240701	6806	6844	0.51204	0.01035	0.00166	0.007148
	ChIP-Seq	169	1218101	6686	29444	0.49961	0.03139	0.00051	0.024654
0.01-	STRING	21	1243001	3637	7741	0.52042	0.02659	-0.00031	0.005741
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	20	1243869	3638	6873	0.51209	0.01033	-2e-05	0.005467
	ChIP-Seq	73	1221202	3585	29540	0.49937	0.03136	-0.0013	0.019956
COD WAS DOODD AD 10 THE	STRING	23	1242950	3688	7739	0.52045	0.02651	1e-05	0.006198
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	24	1243820	3687	6869	0.51231	0.01033	0.00072	0.006467
	ChIP-Seq	104	1221180	3607	29509	0.49953	0.0314	0.00159	0.028025
CGP-KM-DSSPD-NR10-EXE4	STRING NonSpecific	$\frac{21}{22}$	$1242827 \\ 1243697$	3811	7741 6871	$0.52045 \\ 0.51231$	0.02649 0.01032	-0.0005 0.00018	0.00548 0.005741
OGF-KWI-DSSPD-NKIU-EAE4	NonSpecific ChIP-Seq	$\frac{22}{92}$	1243697 1221047	$3810 \\ 3740$	$6871 \\ 29521$	0.51231 0.4996	0.01032 0.03141	0.00018 0.00015	0.005741 0.024008
	STRING	$\frac{92}{21}$	1242756	3882	$\frac{29521}{7741}$	0.4996 0.52025	0.03141 0.0264	-0.00015	0.024008 0.00538
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	$\frac{21}{24}$	1242730 1243628	$\frac{3879}{3879}$	6869	0.52025 0.5123	0.0204 0.01029	0.00037 0.00049	0.00538 0.006149
COL IMPOST D-MINO-EAES	ChIP-Seq	86	1243028 1220970	3817	29527	0.3125 0.49951	0.01029 0.03139	-0.00049	0.000149 0.022034
		50	1220010	2011	20021	0.10001	0.00100	0.00000	

Tabela 19: Tabular results for mHSC-E problem considering the 500TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	82	492955	1290	1289	0.52672	0.08131	0.05718	0.059767
PIDC	NonSpecific	53	492818	1373	1372	0.51666	0.03963	0.0344	0.037167
	ChIP-Seq	205	472706	11353	11352	0.49727	0.022	-0.00571	0.017737
CENTES	STRING	53	492927	1318	1318	0.53013	0.06921	0.03599	0.038658
GENIE3	NonSpecific	44	492810	1381	1381	0.5209	0.03185	0.02808	0.030877
	ChIP-Seq STRING	$\frac{35}{55}$	$472534 \\ 492929$	$11525 \\ 1316$	11522 1316	$0.49055 \\ 0.53231$	0.01834 0.07056	-0.02078 0.03745	0.003028 0.040117
GRNBOOST2	NonSpecific	43	492929	1310 1382	1310 1382	0.53231 0.52119	0.07050 0.03257	0.03745 0.02738	0.040117 0.030175
GIUNDOOS12	ChIP-Seq	72	472574	11485	1362 11485	0.32119 0.48842	0.03237 0.01803	-0.0175	0.030173 0.00623
	STRING	0	492877	1368	1371	0.53171	0.01000	-0.00277	0.00020
SINCERITIES	NonSpecific	1	492771	1420	1424	0.52014	0.02595	-0.00217	0.000702
	ChIP-Seq	175	472746	11313	11382	0.48485	0.01877	-0.00825	0.015142
	STRING	12	492885	1360	1359	0.53156	0.04982	0.006	0.008746
PPCOR	NonSpecific	8	492773	1418	1417	0.51941	0.01957	0.00274	0.00561
	ChIP-Seq	146	477103	6956	11411	0.48454	0.01918	-0.00221	0.020558
	STRING	25	484868	9377	1346	0.53163	0.0456	-0.00028	0.002659
CGP-DSSPD-NR5-EXE1	NonSpecific	24	484813	9378	1401	0.5208	0.01852	-0.00084	0.002553
	ChIP-Seq	235	474892	9167	11322	0.48545	0.02021	0.00154	0.024995
CGP-DSSPD-NR5-EXE2	STRING NonSpecific	$\frac{32}{42}$	481231	13014 13003	$1339 \\ 1382$	0.53158	0.04231	-0.00098 0.00129	0.002453
CGP-DSSPD-NR3-EAE2	ChIP-Seq	$\frac{43}{355}$	$\frac{481188}{471368}$	12691	1382 11202	$0.52107 \\ 0.48768$	$0.01731 \\ 0.02123$	0.00129 0.00424	0.003296 0.027211
	STRING	18	485015	9230	1353	0.43703 0.53114	0.02123 0.04009	-0.00424	0.021211 0.001946
CGP-DSSPD-NR5-EXE3	NonSpecific	25	484968	9223	1400	0.5204	0.0162	-0.00044	0.001740 0.002703
	ChIP-Seq	215	475026	9033	11342	0.48791	0.02151	-6e-05	0.023248
	STRING	39	483524	10721	1332	0.53113	0.03848	0.00243	0.003625
CGP-DSSPD-NR5-EXE4	NonSpecific	36	483467	10724	1389	0.52109	0.01574	0.00131	0.003346
	ChIP-Seq	240	473539	10520	11317	0.48718	0.02158	-0.001	0.022305
	STRING	32	482248	11997	1339	0.53031	0.03672	-0.00032	0.00266
CGP-DSSPD-NR5-EXE5	NonSpecific	30	482192	11999	1395	0.52083	0.01516	-0.00112	0.002494
	ChIP-Seq	265	472295	11764	11292	0.48683	0.02168	-0.00135	0.02203
CCD DCCDD ND10 EVE1	STRING	$\frac{2}{7}$	491451	2794	1369	0.5296	0.03501	-0.00294	0.000715
CGP-DSSPD-NR10-EXE1	NonSpecific	7	491402	2789	1418	0.52065	0.01472	-0.00052	0.002504
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{112}{3}$	$478804 \\ 491502$	$5255 \\ 2743$	$11445 \\ 1368$	$0.48603 \\ 0.52917$	$0.02165 \\ 0.034$	-0.0017 -0.00238	0.020868 0.001092
CGP-DSSPD-NR10-EXE2	NonSpecific	3 6	491302 491451	2743 2740	1308 1419	0.52917 0.52042	0.034 0.01433	-0.00238	0.001092 0.002185
CGI -DSSI D-MITO-EXE2	ChIP-Seq	158			11399		0.01433 0.022	0.00368	0.002183 0.028551
	STRING	4	491613	2632	1367	0.52911	0.0325	-0.00174	0.020531 0.001517
CGP-DSSPD-NR10-EXE3	NonSpecific	8	491563	2628	1417	0.51993	0.01396	0.00022	0.003035
	ChIP- Seq	120	478942	5117	11437	0.48765	0.02209	-0.00028	0.022914
	STRING	8	491742	2503	1363	0.52927	0.0326	0.00057	0.003186
CGP-DSSPD-NR10-EXE4	NonSpecific	8	491688	2503	1417	0.52	0.01372	0.00041	0.003186
	ChIP-Seq	134	476423	7636	11423	0.48627	0.02201	-0.00508	0.017246
CCD DCCDD ND40 EVE	STRING	7	491454	2791	1364	0.52814	0.03143	-0.00038	0.002502
CGP-DSSPD-NR10-EXE5	NonSpecific	8	491401	2790	1417	0.51978	0.01347	-2e-05	0.002859
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{178}{9}$	$475643 \\ 492846$	$8416 \\ 1399$	$11379 \\ 1362$	$0.48547 \\ 0.52864$	$0.02197 \\ 0.03165$	-0.00229 0.00368	0.020712 0.006392
CGP-KM-BKM-NR10-EXE1	NonSpecific	<i>9</i>	492743	1399 1448	1302 1418	0.52004 0.52007	0.03103 0.01334	0.00308 0.00196	0.000392 0.004811
OGI -IXM-DIXM-IVICIO-EXEI	ChIP-Seq	90	478052	6007	11467	0.48317	0.01334 0.02176	-0.00633	0.004611 0.014761
	STRING	14	491570	2675	1357	0.52937	0.03164	0.00343	0.005206
CGP-KM-BKM-NR10-EXE2	NonSpecific	11	491513	2678	1414	0.51953	0.01308	0.00168	0.004091
	ChIP- Seq	61	481239	2820	11496	0.48347	0.02183	-0.00109	0.021173
	STRING	10	492218	2027	1361	0.52937	0.0314	0.00262	0.004909
CGP-KM-BKM-NR10-EXE3	NonSpecific	4	492158	2033	1421	0.51867	0.01284	-0.00109	0.001964
	ChIP-Seq	138	478162	5897	11419	0.48336	0.02185	-0.00033	0.022867
CCD 121 DIZI ND40 EVE1	STRING	8	492373	1872	1363	0.52932	0.03114	0.00175	0.004255
CGP-KM-BKM-NR10-EXE4	NonSpecific	9	492320	1871	1416	0.51954	0.0129	0.0022	0.004787
	ChIP-Seq STRING	$\frac{137}{7}$	$478776 \\ 492242$	$5283 \\ 2003$	$11420 \\ 1364$	$0.48402 \\ 0.52911$	0.02197 0.03077	$0.00136 \\ 0.00087$	0.025277 0.003483
CGP-KM-BKM-NR10-EXE5	NonSpecific	7	492242	2003	1304 1418	0.52911 0.51971	0.03077 0.01282	0.00087 0.00072	0.003483
CGI -KM-DKM-NKIO-EXES	ChIP-Seq	171	492108 476808	7251	11386	0.31971 0.48362	0.01282 0.02195	-0.00072	0.003483 0.02304
	STRING	9	491959	$\frac{7231}{2286}$	1362	0.40302 0.529	0.02133 0.03048	0.0015	0.02304 0.003922
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	10	491906	2285	1415	0.5206	0.01289	0.0018	0.003322 0.004357
	ChIP-Seq	86	479969	4090	11471	0.4835	0.02199	-0.00166	0.020594
	STRING	8	492516	1729	1363	0.53002	0.03062	0.00208	0.004606
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	6	492460	1731	1419	0.52044	0.01277	0.00064	0.003454
	ChIP-Seq	62	482220	1839	11495	0.48447	0.02212	0.00382	0.032614
	STRING	3	491930	2315	1368	0.52956	0.0302	-0.00192	0.001294
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	5	491878	2313	1420	0.521	0.0128	-0.00092	0.002157
	ChIP-Seq	64	478254	5805	11493	0.48254	0.022	-0.00901	0.010905
OOD WALDGODD AD 10 THE .	STRING	2	491781	2464	1369	0.52844	0.02967	-0.00263	0.000811
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	8	491733	2458	1417	0.52054	0.01266	0.00049	0.003244
	ChIP-Seq STRING	41 5	479805	$4254 \\ 2252$	11516 1366	0.48071	0.02185	-0.00853	0.009546
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	$\frac{5}{4}$	$491993 \\ 491938$	$\frac{2252}{2253}$	$1366 \\ 1421$	$0.52851 \\ 0.52052$	$0.02943 \\ 0.01259$	-0.00071 -0.00139	0.002215 0.001772
OGI -IMI-DOST D-MUIU-EVE9	ChIP-Seq	$\frac{4}{53}$	491938	$\frac{2253}{5572}$	1421 11504	0.52052 0.47817	0.01259 0.02164	-0.00139	0.001772 0.009422
	Ourr-ped	00	-10401	0012	11004	0.41011	0.04104	-0.00301	0.003444

Tabela 20: Tabular results for mHSC-GM problem considering the 500TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	53	397981	695	695	0.53288	0.11781	0.06911	0.070856
PIDC	NonSpecific	30	397970	712	712	0.51884	0.06319	0.03864	0.040431
	ChIP-Seq	101	384797	7263	7263	0.49754	0.01707	-0.00481	0.013715
GENIE3	STRING NanSpacific	54	397982	694	694	0.54231	0.10488	0.07045	0.072193
GENIE3	NonSpecific ChIP-Seq	29 73	397969 384767	$713 \\ 7293$	$713 \\ 7291$	$0.52305 \\ 0.49524$	0.05572 0.01598	0.0373 -0.00869	0.039084 0.00991
	STRING	53	397981	695	695	0.49524 0.54528	0.01398 0.1047	0.06911	0.00991 0.070856
GRNBOOST2	NonSpecific	31	397971	711	711	0.52492	0.05764	0.04	0.041779
310112	ChIP-Seq	111	384807	7253	7253	0.49587	0.01682	-0.00343	0.015073
	STRING	0	397931	745	748	0.54497	0	-0.00187	0.0
SINCERITIES	NonSpecific	0	397943	739	742	0.52445	0	-0.00186	0.0
	ChIP-Seq	91	384867	7193	7273	0.49285	0.01653	-0.00602	0.012357
PD COD	STRING	0	397928	748	748	0.5426	0	-0.00188	0.0
PPCOR	NonSpecific	0	397940	742	742	0.52272	0	-0.00186	0.0
	ChIP-Seq STRING	65 13	386881 390798	$5179 \\ 7878$	$7299 \\ 735$	$0.49084 \\ 0.54354$	0.01636 0.07293	-0.00518 -0.00074	0.012395 0.001647
CGP-DSSPD-NR5-EXE1	NonSpecific	$\frac{13}{14}$	390805	7877	728	0.54354 0.52296	0.07295 0.03145	-0.00074	0.001047 0.001774
CGI -BBBI B-IVIG-LIXLI	ChIP-Seq	148	384317	7743	7216	0.49051	0.03148 0.01688	0.00028	0.001774 0.018756
	STRING	13	390981	7695	735	0.54447	0.06946	-0.0006	0.001687
CGP-DSSPD-NR5-EXE2	NonSpecific	13	390987	7695	729	0.52258	0.02872	-0.00056	0.001687
	ChIP-Seq	121	384473	7587	7243	0.48907	0.01697	-0.00286	0.015698
	STRING	15	390926	7750	733	0.54355	0.06571	0.00019	0.001932
CGP-DSSPD-NR5-EXE3	NonSpecific	14	390931	7751	728	0.5215	0.02635	-0.00018	0.001803
	ChIP-Seq	129	384424	7636	7235	0.48826	0.01711	-0.00191	0.016613
CCD DCCDD ND* DVD4	STRING	5	391032	7644	743	0.5432	0.06276	-0.00394	0.000654
CGP-DSSPD-NR5-EXE4	NonSpecific	13	391046	7636	729	0.52188	0.02541	-0.00051	0.0017
	ChIP-Seq STRING	$\frac{120}{14}$	384531 391053	$7529 \\ 7623$	$7244 \\ 734$	$0.48688 \\ 0.54305$	$\begin{array}{c} 0.01712 \\ 0.06048 \end{array}$	-0.00285 -0.00013	$0.015688 \\ 0.001833$
CGP-DSSPD-NR5-EXE5	NonSpecific	13	391058	7623	$734 \\ 729$	0.54505 0.52151	0.00048 0.02428	-0.00013	0.001833 0.001702
CGI -DDBI D-IVIG-LIXLD	ChIP-Seq	127	384550	7510	7237	0.48668	0.02428 0.01728	-0.00187	0.01162
	STRING	5	397166	1510	743	0.54359	0.05944	0.00204	0.0033
CGP-DSSPD-NR10-EXE1	NonSpecific	2	397169	1513	740	0.52054	0.02314	-0.00077	0.00132
	ChIP-Seq	30	390514	1546	7334	0.48692	0.01737	0.00028	0.019036
	STRING	2	397144	1532	746	0.54342	0.05791	-0.00082	0.001304
CGP-DSSPD-NR10-EXE2	NonSpecific	2	397150	1532	740	0.52036	0.02259	-0.0008	0.001304
	ChIP-Seq	19	390408	1652	7345	0.48625	0.01731	-0.00341	0.01137
CGP-DSSPD-NR10-EXE3	STRING NonSpecific	2	397183 397187	1493	746	0.54327	0.0567	-0.00076 -0.00264	0.001338
CGP-D55PD-NR10-EAE3	NonSpecific ChIP-Seq	$0 \\ 22$	390504	$1495 \\ 1556$	$742 \\ 7342$	$0.51961 \\ 0.48598$	$0 \\ 0.01732$	-0.00264 -0.0021	$0.0 \\ 0.013942$
	STRING	$\frac{22}{4}$	397099	1577	744	0.54435	0.01732 0.05595	0.0021	0.013542 0.00253
CGP-DSSPD-NR10-EXE4	NonSpecific	6	397107	1575	736	0.52008	0.02165	0.00284	0.00230
	ChIP-Seq	11	390363	1697	7353	0.48466	0.01717	-0.00584	0.00644
	STRING	0	397129	1547	748	0.54351	0	-0.0027	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	1	397136	1546	741	0.51983	0.0213	-0.00175	0.000646
	ChIP-Seq	35	390482	1578	7329	0.48538	0.01731	0.00154	0.021699
CCD WALDWAY NEW CWEA	STRING	3	397456	1220	745	0.54397	0.05344	0.00074	0.002453
CGP-KM-BKM-NR10-EXE1	NonSpecific	1	397460	1222	741	0.5195	0.021	-0.00134	0.000818
	ChIP-Seq STRING	$\frac{62}{8}$	386919 397495	$5141 \\ 1181$	$7302 \\ 740$	$0.48377 \\ 0.54482$	0.01723 0.05348	-0.00557 0.00614	$0.011916 \\ 0.006728$
CGP-KM-BKM-NR10-EXE2	NonSpecific	6	397499	1181	736	0.54462 0.52105	0.03348 0.02144	0.00014 0.00405	0.005728 0.005046
CGI IIM BIIM MICIO EMEZ	ChIP-Seq	48	386586	5474	7316	0.48114	0.02144 0.01705	-0.00858	0.008693
	STRING	3	397922	754	745	0.54507	0.05326	0.00211	0.003963
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	397925	757	742	0.52048	0	-0.00188	0.0
	ChIP-Seq	50	386713	5347	7314	0.47827	0.01684	-0.00798	0.009264
	STRING	6	397645	1031	742	0.54663	0.05257	0.00462	0.005786
CGP-KM-BKM-NR10-EXE4	NonSpecific	3	397648	1034	739	0.52195	0.02178	0.00123	0.002893
	ChIP-Seq	49	387472	4588	7315	0.47721	0.01682	-0.00634	0.010567
CCD LIM DUM ND10 EVET	STRING	3	397880	796	745	0.54624	0.05151	0.00195	0.003755
CGP-KM-BKM-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{4}{120}$	397887 386709	$795 \\ 5351$	$738 \\ 7244$	0.52295	$0.02146 \\ 0.01702$	0.00327 0.00306	0.005006
	STRING	$\frac{120}{4}$	397145	1531	744	$0.47822 \\ 0.54614$	0.01702 0.05099	0.00300 0.00105	0.021934 0.002606
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	2	397149	1531 1533	740	0.52278	0.03033 0.02131	-0.0008	0.002000 0.001303
	ChIP-Seq	$\frac{2}{41}$	390205	1855	7323	0.47892	0.01713	0.00164	0.021624
	STRING	$\overline{2}$	397140	1536	746	0.54521	0.04986	-0.00082	0.0013
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	3	397147	1535	739	0.52263	0.02113	0.00013	0.001951
	ChIP-Seq	42	390256	1804	7322	0.47956	0.01722	0.00219	0.022752
	STRING	3	397254	1422	745	0.5452	0.0495	0.00032	0.002105
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	4	397261	1421	738	0.52313	0.02119	0.00132	0.002807
	ChIP-Seq	41	390332	1728	7323	0.47999	0.01728	0.00235	0.023177
CCD VM DCCDD ND40 EVE (STRING NanSpacific	6	397233	1443	742	0.54569	0.04913	0.00316	0.004141
CGP-KM-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{6}{28}$	397239 390272	$\frac{1443}{1788}$	$736 \\ 7336$	$0.52366 \\ 0.47955$	$0.0211 \\ 0.01725$	0.0032 -0.00152	0.004141 0.015419
	STRING	28 6	390272 397116	1788 1560	7336 742	$0.47955 \\ 0.54766$	0.01725 0.04949	0.00152 0.00284	0.015419 0.003831
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	6	397110 397122	1560	736	0.54766 0.52484	0.04949 0.02138	0.00284 0.00288	0.003831 0.003831
THE POST DISTRIBUTION	ChIP-Seq	20	390225	1835	7344	0.47875	0.02138 0.01718	-0.00389	0.003031 0.010782
	Doq		555220	1000	, 5 1 4	0.1,010	J.J. 110	J.00000	

Tabela 21: Tabular results for mHSC-L problem considering the 500TF configuration without self-loop.

PIDC NonSpecific ChIP-Seq (ALP) 21 (ALP) 313048 (ALP) 21 (ALP) 0.57191 (ALP) 0.17915 (ALP) 0.15236 (ALP) 0.00338 (ALP) 0.15236 (ALP) 0.00338 (ALP) 0.00348 (ALP) 0.00348 (ALP) 0.00338 (ALP) 0.15236 (ALP) 0.00338 (ALP) 0.00348 (ALP) 0.0034 (ALP) 0.00348 (ALP) 0.00348 (ALP) 0.00348 (ALP) 0.00348 (ALP) 0.00348 (ALP) 0.00348 (ALP) 0.00449 (ALP) 0.00449 (ALP) 0.00449 (ALP) 0.00449 (ALP) 0.00449 (ALP) 0.00418 (ALP) 0.00408 (ALP) <th>0.152174 0.060714 0.010687 0.094891 0.028674 0.012957 0.065693 0.028674 0.014325 0.0 0.0 0.006821 0.0 0.009924 0.000585 0.000878 0.014489 0.001055 0.011307 0.000299 0.001048 0.009729</th>	0.152174 0.060714 0.010687 0.094891 0.028674 0.012957 0.065693 0.028674 0.014325 0.0 0.0 0.006821 0.0 0.009924 0.000585 0.000878 0.014489 0.001055 0.011307 0.000299 0.001048 0.009729
Chip-Seq	0.010687 0.094891 0.028674 0.012957 0.065693 0.028674 0.014325 0.0 0.0 0.006821 0.0 0.009924 0.000585 0.000878 0.014489 0.00452 0.001055 0.011307 0.000299 0.001048
GENIE3 STRING 13 313339 124 124 0.57506 0.18336 0.09449 GENIE3 NonSpecific 8 313050 271 271 0.52841 0.07612 0.02781 ChIP-Seq 57 304860 4342 4341 0.49777 0.01432 -0.00108 GRNBOOST2 NonSpecific 8 313050 271 271 0.53002 0.07443 0.02781 ChIP-Seq 63 304867 4335 4335 0.49835 0.0149 0.00038 SINCERITIES NonSpecific 0 313352 111 137 0.57493 0 -0.00088 SINCERITIES NonSpecific 0 313667 245 279 0.52947 0 -0.00088 PPCOR NonSpecific 0 312761 560 279 0.52793 0 -0.00126 ChIP-Seq 42 305012 4190 4356 0.49279 0.01367 -0.0048 ChIP-Seq	0.094891 0.028674 0.012957 0.065693 0.028674 0.014325 0.0 0.0 0.006821 0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
GENIE3 NonSpecific ChIP-Seq (ThIP-Seq 57 304860 3432 4341 0.49777 0.01432 0.00108 57RING 9 31335 128 128 0.57493 0.17616 0.06528 0.00109 0.00052 0.000052 0.000052 0.00052 0.00052 0.00052 0.00052 0.00052 0.00052 0.00052 0.00052 0.00052 0.0	0.028674 0.012957 0.065693 0.028674 0.014325 0.0 0.0 0.006821 0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
ChIP-Seq 57 304860 4342 4341 0.49777 0.01432 0.00108 STRING 57 313335 128 128 0.57493 0.17616 0.06528 GRNBOOST2 NonSpecific 8 313050 271 271 0.53002 0.07443 0.02781 ChIP-Seq 63 304867 4335 4335 4335 0.49835 0.0149 0.0003 STRING 0 313352 111 137 0.57493 0 0.00038 SINCERITIES NonSpecific 0 313076 245 279 0.52947 0 0.00083 ChIP-Seq 30 305167 4035 4368 0.49492 0.01385 0.00647 STRING 0 312903 560 137 0.57314 0 0.00088 PPCOR NonSpecific 0 312903 560 137 0.57314 0 0.00088 PPCOR NonSpecific 0 312903 560 137 0.57314 0 0.00106 ChIP-Seq 42 305012 4190 4356 0.49279 0.01367 0.00106 STRING 4 306634 6829 133 0.57288 0.14635 0.00106 CGP-DSSPD-NR5-EXE1 NonSpecific 7 306647 6674 272 0.52709 0.04145 0.00082 CGP-DSSPD-NR5-EXE2 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE5 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE5 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE5 NonSpecific 7 306647 6674 272 0.52665 0.03673 0.00363 CGP-DSSPD-NR5-EXE5 NonSpecific 7 306648 6892 313 0.49150 0.01436 0.00037 CGP-DSSPD-NR5-EXE5 NonSpecific 7 306647 6674 275 0.52565 0.0367	0.012957 0.065693 0.028674 0.014325 0.0 0.0 0.006821 0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
GRNBOOST2 STRING 9 313335 128 128 0.57493 0.17616 0.06528 GRNBOOST2 NonSpecific 8 313050 271 271 0.53002 0.07443 0.02781 ChIP-Seq 63 304867 4335 4335 0.49835 0.0149 0.0003 STRING 0 313352 111 137 0.57493 0 -0.00039 SINCERITIES NonSpecific 0 3133676 245 279 0.52947 0 -0.00083 ChIP-Seq 30 305167 4035 4368 0.49492 0.01385 -0.00126 CHIP-Seq 30 312761 560 279 0.52739 0 -0.00126 CHIP-Seq 42 305012 4190 4356 0.49279 0.01367 -0.00126 CGP-DSSPD-NR5-EXE1 NonSpecific 6 306494 6827 273 0.52752 0.0438 -6-05 CHP-Seq 75 306695	0.065693 0.028674 0.014325 0.0 0.0 0.006821 0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
GRNBOOST2 NonSpecific ChIP-Seq (33) 313050 271 271 0.53002 0.07443 0.02781 ChIP-Seq (33) 304867 4335 4335 0.49835 0.0149 0.0003 STRING (10) 313352 111 137 0.57493 0 -0.00039 SINCERITIES NonSpecific (10) 313076 245 279 0.52947 0 -0.00083 ChIP-Seq (10) 312903 560 137 0.57314 0 -0.00083 PPCOR NonSpecific (11) 312761 560 279 0.52793 0 -0.00126 CHIP-Seq (11) 42 305012 4190 4356 0.49279 0.01367 -0.00408 STRING (21) 306634 6829 133 0.57288 0.14635 0.00104 CGP-DSSPD-NR5-EXE1 NonSpecific (21) 306634 6829 133 0.57288 0.14635 0.0011 CGP-DSSPD-NR5-EXE2 NonSpecific (21) 306695 6626 272 0.5270 0.04145	0.028674 0.014325 0.0 0.0 0.006821 0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
ChiP-Seq 63 304867 4335 4335 0.49835 0.0003	0.014325 0.0 0.0 0.006821 0.0 0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
STRING	0.0 0.0 0.006821 0.0 0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
NonSpecific O 313076 245 279 0.52947 0 0.00083 0.00647 0.00083 0.00647 0.00083 0.00647 0.00083 0.00647 0.00083 0.00647 0.00083 0.000647 0.00083	0.0 0.006821 0.0 0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
ChIP-Seq 30 305167 4035 4368 0.49492 0.01385 -0.00647 PPCOR STRING 0 312903 560 137 0.57314 0 -0.00088 PPCOR NonSpecific 0 312761 560 279 0.52793 0 -0.00126 ChIP-Seq 42 305012 4190 4356 0.49279 0.01367 -0.00408 CGP-DSSPD-NR5-EXE1 NonSpecific 6 306494 6827 273 0.52752 0.0438 -6e-05 CHP-Seq 99 302468 6734 4299 0.49473 0.01459 0.00059 STRING 3 306833 6630 134 0.57632 0.14852 0.00011 CGP-DSSPD-NR5-EXE2 NonSpecific 7 306695 6626 272 0.52709 0.04145 0.00049 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306694 6679 135 0.5759 0.14424 -0.0034 STRING	$\begin{array}{c} 0.006821 \\ 0.0 \\ 0.0 \\ 0.009924 \\ 0.000585 \\ 0.000878 \\ 0.014489 \\ 0.000452 \\ 0.001055 \\ 0.011307 \\ 0.000299 \\ 0.001048 \end{array}$
PPCOR NonSpecific ChIP-Seq (ChIP-Seq	0.0 0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
ChIP-Seq 42 305012 4190 4356 0.49279 0.01367 -0.00408 CGP-DSSPD-NR5-EXE1 NonSpecific 6 306494 6829 133 0.57288 0.14635 0.00106 CGP-DSSPD-NR5-EXE1 NonSpecific 6 306494 6827 273 0.52752 0.0438 -6e-05 ChIP-Seq 99 302468 6734 4299 0.49473 0.01459 0.00059 STRING 3 306833 6630 134 0.57632 0.14852 0.00011 CGP-DSSPD-NR5-EXE2 NonSpecific 7 306695 6626 272 0.52709 0.04145 0.00082 CHIP-Seq 75 302644 6558 4323 0.49352 0.01454 -0.0034 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564	0.009924 0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
CGP-DSSPD-NR5-EXE1 STRING 4 306634 6829 133 0.57288 0.14635 0.00106 CGP-DSSPD-NR5-EXE1 NonSpecific 6 306494 6827 273 0.52752 0.0438 -6e-05 ChIP-Seq 99 302468 6734 4299 0.49473 0.01459 0.00059 STRING 3 306833 6630 134 0.57632 0.14852 0.00011 CGP-DSSPD-NR5-EXE2 NonSpecific 7 306695 6626 272 0.52709 0.04145 0.00082 ChIP-Seq 75 302644 6558 4323 0.49352 0.01454 -0.0034 STRING 2 306784 6679 135 0.5759 0.14424 -0.00097 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564	0.000585 0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
CGP-DSSPD-NR5-EXE1 NonSpecific ChIP-Seq 99 302468 6734 4299 0.49473 0.01459 0.00059 STRING 3 306833 6630 134 0.57632 0.14852 0.00011 CGP-DSSPD-NR5-EXE2 NonSpecific 7 306695 6626 272 0.52709 0.04145 0.00082 ChIP-Seq 75 302644 6558 4323 0.49352 0.01454 -0.0034 STRING 2 306784 6679 135 0.5759 0.14424 -0.00097 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 7 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 CHIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 5 306380 6941	0.000878 0.014489 0.000452 0.001055 0.011307 0.000299 0.001048
ChiP-Seq 99 302468 6734 4299 0.49473 0.01459 0.00059 STRING 3 306833 6630 134 0.57632 0.14852 0.00011 CGP-DSSPD-NR5-EXE2 NonSpecific 7 306695 6626 272 0.52709 0.04145 0.00082 ChiP-Seq 75 302644 6558 4323 0.49352 0.01454 -0.0034 STRING 2 306784 6679 135 0.5759 0.14424 -0.0097 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 ChiP-Seq 65 302586 6616 4333 0.4915 0.01435 -0.00539 STRING 4 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 ChiP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 CGP-DSSPD-NR5-EXE5 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 ChiP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147 0.0	$\begin{array}{c} 0.014489 \\ 0.000452 \\ 0.001055 \\ 0.011307 \\ 0.000299 \\ 0.001048 \end{array}$
CGP-DSSPD-NR5-EXE2 STRING 3 306833 6630 134 0.57632 0.14852 0.00011 CGP-DSSPD-NR5-EXE2 NonSpecific 7 306695 6626 272 0.52709 0.04145 0.00082 ChIP-Seq 75 302644 6558 4323 0.49352 0.01454 -0.0034 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CGP-DSSPD-NR5-EXE4 NonSpecific 4 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 CGP-DSSPD-NR5-EXE5 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055	$\begin{array}{c} 0.000452 \\ 0.001055 \\ 0.011307 \\ 0.000299 \\ 0.001048 \end{array}$
CGP-DSSPD-NR5-EXE2 NonSpecific ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq 75 306695 6626 658 272 0.52709 0.04145 0.00082 0.00082 0.01454 -0.0034 0.0034 CGP-DSSPD-NR5-EXE3 STRING 2 306784 6679 135 0.5759 0.14424 -0.00097 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 CHIP-Seq 65 302586 6616 4333 0.4915 0.01435 0.00078 STRING 4 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 ChIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 CGP-DSSPD-NR5-EXE5 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 ChIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	0.001055 0.011307 0.000299 0.001048
ChIP-Seq 75 302644 6558 4323 0.49352 0.01454 -0.0034 STRING 2 306784 6679 135 0.5759 0.14424 -0.00097 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 ChIP-Seq 65 302586 6616 4333 0.4915 0.01435 -0.00539 STRING 4 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 ChIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 ChIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	0.011307 0.000299 0.001048
CGP-DSSPD-NR5-EXE3 STRING 2 306784 6679 135 0.5759 0.14424 -0.00097 CGP-DSSPD-NR5-EXE3 NonSpecific 7 306647 6674 272 0.52665 0.03943 0.00078 ChIP-Seq 65 302586 6616 4333 0.4915 0.01435 -0.00539 STRING 4 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 ChIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 CGP-DSSPD-NR5-EXE5 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 CHIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING	$\begin{array}{c} 0.000299 \\ 0.001048 \end{array}$
CGP-DSSPD-NR5-EXE3 NonSpecific ChIP-Seq 7 306647 6674 272 0.52665 0.03943 0.00078 ChIP-Seq 65 302586 6616 4333 0.4915 0.01435 -0.00539 STRING 4 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 ChIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 CGP-DSSPD-NR5-EXE5 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 CHIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecif	0.001048
ChIP-Seq 65 302586 6616 4333 0.4915 0.01435 -0.00539 STRING 4 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 ChIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 CGP-DSSPD-NR5-EXE5 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 ChIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	
CGP-DSSPD-NR5-EXE4 STRING 4 306481 6982 133 0.57582 0.14339 0.00098 CGP-DSSPD-NR5-EXE4 NonSpecific 14 306349 6972 265 0.52625 0.03777 0.00564 ChIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 CGP-DSSPD-NR5-EXE5 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 ChIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	
CGP-DSSPD-NR5-EXE4 NonSpecific ChIP-Seq 14 306349 6972 265 0.52625 0.03777 0.00564 ChIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 CGP-DSSPD-NR5-EXE5 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 ChIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	0.000573
ChIP-Seq 80 302296 6906 4318 0.49044 0.01436 -0.0033 STRING 3 306520 6943 134 0.57556 0.14092 -4e-05 NonSpecific 5 306380 6941 274 0.52596 0.03673 -0.00086 ChIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	0.002004
CGP-DSSPD-NR5-EXE5 NonSpecific ChIP-Seq 5 306380 6941 274 0.52596 0.03673 -0.00086 -0.00086 0.00177 ChIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	0.011451
ChIP-Seq 107 302363 6839 4291 0.49128 0.01461 0.00177 STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	0.000432
STRING 0 312195 1268 137 0.57539 0 -0.00133 CGP-DSSPD-NR10-EXE1 NonSpecific 2 312055 1266 277 0.52558 0.0355 0.00147	0.00072
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.015405
•	0.0
	0.001577
ChIP-Seq 20 307853 1349 4378 0.49153 0.0147 0.00033	0.014609
STRING 1 312149 1314 136 0.57539 0.13933 0.00101	0.00076
CGP-DSSPD-NR10-EXE2 NonSpecific 1 312007 1314 278 0.52516 0.03426 -0.00028 ChIP-Seq 25 307860 1342 4373 0.49228 0.01486 0.0024	$0.00076 \\ 0.018288$
STRING 0 312204 1259 137 0.57539 0 -0.00133	0.016266
CGP-DSSPD-NR10-EXE3 NonSpecific 0 312062 1259 279 0.52477 0 -0.00189	0.0
ChIP-Seq 20 307904 1298 4378 0.49263 0.01494 0.00064	0.015175
STRING 3 312176 1287 134 0.5753 0.13856 0.00581	0.002326
CGP-DSSPD-NR10-EXE4 NonSpecific 4 312035 1286 275 0.5261 0.03338 0.00477	0.003101
ChIP-Seq $6 307876 1326 4392 0.49123 0.01477 -0.00529$	0.004505
STRING 2 312053 1410 135 0.57487 0.1349 0.00315	0.001416
CGP-DSSPD-NR10-EXE5 NonSpecific 3 311912 1409 276 0.52563 0.03233 0.00279	0.002125
ChIP-Seq 15 307716 1486 4383 0.49068 0.01473 -0.00238	0.009993
STRING 3 312548 915 134 0.5747 0.13351 0.00734	0.003268
CGP-KM-BKM-NR10-EXE1 NonSpecific 2 312405 916 277 0.52529 0.03166 0.00234 ChIP-Seq 46 303870 5332 4352 0.48812 0.01453 -0.00615	0.002179
STRING 1 312419 1044 136 0.57461 0.13284 0.00144	0.008553 0.000957
CGP-KM-BKM-NR10-EXE2 NonSpecific 1 312277 1044 278 0.52517 0.03143 0.00013	0.000957
ChIP-Seq 54 306114 3088 4344 0.48968 0.0148 0.0027	0.000337 0.017187
STRING 2 312416 1047 135 0.57461 0.13284 0.00407	0.001907
CGP-KM-BKM-NR10-EXE3 NonSpecific 1 312273 1048 278 0.52508 0.03127 0.00012	0.000953
ChIP-Seq 41 306010 3192 4357 0.4896 0.01484 -0.00117	0.012682
STRING 2 312495 968 135 0.57461 0.13284 0.00433	0.002062
CGP-KM-BKM-NR10-EXE4 NonSpecific 1 312352 969 278 0.52505 0.03121 0.00026	0.001031
ChIP-Seq $57 ext{ } 305095 ext{ } 4107 ext{ } 4341 ext{ } 0.49041 ext{ } 0.01501 ext{ } -0.00033$	0.013689
STRING 2 312392 1071 135 0.57461 0.13284 0.004	0.001864
CGP-KM-BKM-NR10-EXE5 NonSpecific 2 312250 1071 277 0.52496 0.03106 0.00192	0.001864
ChIP-Seq 43 305574 3628 4355 0.49008 0.01505 -0.00214	0.011713
STRING 2 312164 1299 135 0.57825 0.13679 0.0034	0.001537
CGP-KM-DSSPD-NR10-EXE1 NonSpecific 4 312024 1297 275 0.5264 0.03148 0.00473 ChIP-Seq 24 307797 1405 4374 0.49084 0.01514 0.00159	$0.003075 \\ 0.016795$
STRING 0 312203 1260 137 0.57808 0 -0.00133	0.010795
CGP-KM-DSSPD-NR10-EXE2 NonSpecific 0 312061 1260 279 0.52606 0 -0.00189	0.0
ChIP-Seq 18 307842 1360 4380 0.49108 0.01518 -0.00054	0.013062
STRING 1 312214 1249 136 0.57791 0.13412 0.0011	0.0008
CGP-KM-DSSPD-NR10-EXE3 NonSpecific 4 312075 1246 275 0.52733 0.03106 0.0049	0.0032
ChIP-Seq 20 307800 1402 4378 0.49102 0.01518 2e-05	0.014065
STRING 0 312233 1230 137 0.57782 0 -0.00131	0.0
CGP-KM-DSSPD-NR10-EXE4 NonSpecific 0 312091 1230 279 0.52699 0 -0.00187	0.0
ChIP-Seq $18 307848 1354 4380 0.49069 0.01515 -0.00051$	0.01312
STRING 1 312229 1234 136 0.57765 0.13222 0.00112	
CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 312089 1232 276 0.52663 0.03005 0.00325	0.00081
ChIP-Seq 32 307849 1353 4366 0.49243 0.01533 0.00514	0.00081 0.002429 0.023105

Tabela 22: Tabular results for hESC problem considering the 500TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	126	819725	4118	4131	0.51209	0.04986	0.02464	0.029591
PIDC	NonSpecific	41	821273	3391	3395	0.5043	0.01354	0.00783	0.011912
	ChIP-Seq	20	819062	4512	4506	0.50005		-0.00106	0.004399
GENIE3	STRING NonSpecific	46 19	819636 821246	$4207 \\ 3418$	$4211 \\ 3417$	$0.51365 \\ 0.50447$		0.0057 0.00138	0.010806 0.005522
GEIVIES	ChIP-Seq	39	819072	4502	4487	0.50447 0.50165		0.00138 0.00314	0.003522 0.008579
	STRING	75	819675	4168	4182	0.51462	0.04232	0.01258	0.017618
GRNBOOST2	NonSpecific	20	821251	3413	3416	0.50421	0.00951	0.00168	0.005812
	ChIP-Seq	36	819081	4493	4490	0.50263	0.00879	0.0025	0.007921
CINCEDITIES	STRING	0	0	0	0	0		0	0
SINCERITIES	NonSpecific ChIP-Seq	$0 \\ 0$	0	$0 \\ 0$	$0 \\ 0$	0		0	$0 \\ 0$
	STRING	0	0	0	0	0		0	0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	6	816919	6924	4251	0.51406	0.03654	-0.00549	0.000851
CGP-DSSPD-NR5-EXE1	NonSpecific	3	817737	6927	3433	0.50266		-0.00531	0.000426
	ChIP-Seq	16	816660	6914	4510	0.50116		-0.00393	0.00227
CGP-DSSPD-NR5-EXE2	STRING NonSpecific	$\frac{3}{2}$	815912 816732	$7931 \\ 7932$	$4254 \\ 3434$	$0.51308 \\ 0.50128$		-0.00655 -0.00596	0.000371 0.000248
CGI -DSSI D-MCS-EXE2	ChIP-Seq	$\frac{2}{14}$	815654	7920	4512	0.30128 0.4998		-0.00330	0.000248 0.001733
	STRING	9	817148	6695	4248	0.51243	0.0297	-0.0048	0.001312
CGP-DSSPD-NR5-EXE3	NonSpecific	2	817962	6702	3434	0.4999	0.00597	-0.00541	0.000292
	ChIP- Seq	11	816881	6693	4515	0.49823	0.00634	-0.00469	0.001604
	STRING	4	817575	6268	4253	0.51162		-0.0055	0.000625
CGP-DSSPD-NR5-EXE4	NonSpecific	1	818393	6271	3435	0.49842		-0.00542	0.000156
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{13}{2}$	817315 817076	$6259 \\ 6767$	$4513 \\ 4255$	$0.49715 \\ 0.51064$		-0.00402 -0.00615	0.00203 0.00029
CGP-DSSPD-NR5-EXE5	NonSpecific	$\frac{2}{2}$	817897	6767	3434	0.4972		-0.00513	0.00029
	ChIP-Seq	$\frac{2}{17}$	816822	6752	4509	0.49642		-0.00364	0.002464
	STRING	0	822423	1420	4257	0.51034	0	-0.00298	0.0
CGP-DSSPD-NR10-EXE1	NonSpecific	0	823244	1420	3436	0.49662	0	-0.00267	0.0
	ChIP-Seq	2	822156	1418	4524	0.496	0.00603	-0.00228	0.001381
CCD DCCDD ND10 EVE2	STRING	3	822400	1443	4254	0.51016		-0.00179	0.002052
CGP-DSSPD-NR10-EXE2	NonSpecific ChIP-Seq	1 10	823219 822138	$1445 \\ 1436$	$3435 \\ 4516$	$0.49598 \\ 0.49634$		-0.00225 0.00082	0.000684 0.00684
	STRING	2	822539	1304	4255	0.49034 0.51007		-0.00201	0.00034 0.001508
CGP-DSSPD-NR10-EXE3	NonSpecific	0	823358	1306	3436	0.49543	0	-0.00257	0.0
	ChIP-Seq	4	822272	1302	4522	0.49599	0.00609	-0.00129	0.003017
	STRING	6	820219	3624	4251	0.50991	0.02417	-0.00324	0.001614
CGP-DSSPD-NR10-EXE4	NonSpecific	1	821035	3629	3435	0.49411		-0.004	0.000269
	ChIP-Seq STRING	$\frac{10}{2}$	819954 822523	$\frac{3620}{1320}$	$4516 \\ 4255$	$0.49526 \\ 0.50976$		-0.00244 -0.00203	0.00269 0.001463
CGP-DSSPD-NR10-EXE5	NonSpecific	$\overset{2}{0}$	823342	1320 1322	3436	0.30970 0.4936		-0.00203	0.001403
	ChIP-Seq	5	822257	1317	4521	0.49503	0.00601	-0.00091	0.003658
	STRING	2	818686	5157	4255	0.50884	0.02295	-0.00526	0.000382
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	819505	5159	3436	0.49208	0	-0.00511	0.0
	ChIP-Seq	13	818427	5147	4514	0.49375		-0.00316	0.002481
CCD VM DVM ND10 EVEO	STRING	1	821678	2165	4256	0.50839		-0.00335	0.000455
CGP-KM-BKM-NR10-EXE2	NonSpecific ChIP-Seq	$0 \\ 13$	822498 821420	$2166 \\ 2154$	$3436 \\ 4514$	$0.49128 \\ 0.49365$		-0.00331 0.00037	$0.0 \\ 0.00592$
	STRING	$\frac{13}{2}$	818741	5102	4255	0.49303 0.50768		-0.00523	0.00392 0.000385
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	819560	5104	3436	0.49007	0	-0.00508	0.0
	ChIP-Seq	12	818482	5092	4514	0.49253	0.00584	-0.00333	0.002312
	STRING	3	819309	4534	4254	0.50721	0.02147	-0.00465	0.00065
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	821040	3624	3436	0.4888	-	-0.00428	0.0
	ChIP-Seq STRING	20	819057	4517	$4506 \\ 4255$	0.49194		-0.00106	0.004332
CGP-KM-BKM-NR10-EXE5	NonSpecific	$\frac{2}{0}$	820265 821084	$3578 \\ 3580$	$\frac{4255}{3436}$	$0.5065 \\ 0.48759$		-0.00422 -0.00425	0.000551 0.0
OGI -KWI-DIKW-WIGIO-EALO	ChIP-Seq	8	820002	3572	4518	0.49114		-0.00429	0.002206
	STRING	0	822426	1417	4257	0.50624	0	-0.00298	0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	823247	1417	3436	0.48707	0	-0.00267	0.0
	ChIP-Seq	6	822163	1411	4520	0.49083	0.00576	-0.00069	0.004065
COD WM DOODD ND40 EVEN	STRING	0	822402	1441	4257	0.50596	0	-0.003	0.0
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	$\frac{1}{6}$	823224	1440	3435 4520	0.48669		-0.00224	0.000678
	ChIP-Seq STRING	$\frac{6}{0}$	822139 822376	$1435 \\ 1467$	$4520 \\ 4257$	$0.49052 \\ 0.50572$		-0.00074 -0.00303	0.004068 0.0
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	823197	1467 1467	$\frac{4237}{3436}$	0.30372 0.48615		-0.00303	0.0
THE POST DITTOL LAND	ChIP-Seq	$\frac{0}{4}$	822111	1463	4522	0.49013 0.49021	0.00573	-0.00272	0.002656
	STRING	0	822424	1419	4257	0.5055	0	-0.00298	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0	823245	1419	3436	0.48571	0	-0.00267	0.0
	ChIP-Seq	6	822161	1413	4520	0.48993	0.00571	-0.00069	0.004112
CCD KM DCCDD ND10 EVE	STRING NonSpecific	1	822239	1604	4256	0.50537		-0.00278	0.00061
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$0 \\ 3$	823059 821972	$1605 \\ 1602$	$3436 \\ 4523$	0.48518 0.48946	0.0069 0.04455 0.0105 0.00827 0.04232 0.00951 0.00879 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-0.00284 -0.00215	$0.0 \\ 0.001829$
	Omr-Seq	ა	041914	1002	4023	0.40940	0.00008	-0.00213	0.001629

Tabela 23: Tabular results for hHep problem considering the 500TF configuration with self-loop.

PHYSE PROPERTY OF PATERNAMEN PATE	Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
CHIP-SO CENIESCHIP-SO NOSSPORTEDCHIP-SO NOSSPORTED150 NOSSPORTED		STRING	281	884005	7177	7241	0.51369	0.04093	0.02943	0.037347
CENTESTHING (NE)31 MARSONS CHES MARSONS ANDES	PIDC	NonSpecific	52	890548	4038	4066	0.50407	0.01135	0.00814	0.012591
CHRIMSCHRIM		ChIP-Seq	152	879163	9698	9691	0.50254	0.01609	0.00453	0.015292
CHP-NO CHRINGO C										
STRING 100	GENIE3									
CRINDOOST2Nomberous CIRISPASO CIRISPA										
STRING (PA) 18 1 PA) 19 1 PA)	CDNDOOCTO									
STENCE No. Rospoer 1	GRNBOOS12									
INCHERITIESNonSerier 16 CHIPS-96 CHIP		-								
PATE	SINCERITIES									
PPOPOR No.R5pendis		-								
CHAPTON CHA										
CPU-DSSPD-NR3-EXEM STRING 156 1469 4047 0.0348 0.000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.00000000	PPCOR	NonSpecific	0	893646	940	4118	0.5027	0	-0.00219	0.0
CP-DSPD-NR5-EXEM Non-Special Chill-Seq (1) 71 N989-01 (2) 1409 4009 0.0000 0.0			0	887921	940			0		0.0
CFP-DSSPD-NR1-EXE2 CFP-DSSPD-NR5-EXE2 CFP-DSSPD-NR5-EXE2 No. Special September Septembe										
CGP-DSSPD-NR1-EXE2 SMB-196 148 14	CGP-DSSPD-NR5-EXE1	_								
CP-DSSPD-NR5-EXE2 Nonspecie (Particular Coll-Psos) 71 8178 147										
CPIP-Seq 17.4 Seq 17.4 Seq 17.1 Seq 0.0035 0.0035 0.01036 CPI-DSSPD-NR5-EXE3 Nonspecifie 42 88226 1430 406 0.51345 0.00689 0.00131 0.002431 CPI-DSSPD-NR5-EXE4 Nonspecifie 61 878216 1495 732 0.5138 0.02248 0.00340 0.00848 0.00340 0.0084 0.00848 0.0084 0.00848 0.0084 0.00848 0.0086 0.00848 0.0086 0.00814 0.0086 0.00848 0.0086 0.00874 0.0086 0.00874 0.0086 0.00874 0.0086 0.00874 0.0086 0.00874 0.0086 0.00874 0.0086 0.00876	CCD DCCDD ND# EVE9									
CGP-DSSPD-NR1-EXEA NonSpecial 42	CGP-D55PD-NR5-EAE2									
CRIP-SSPD-NR5-EXEAM		_								
CP-DSSPD-NR5-EXE4	CGP-DSSPD-NR5-EXE3									
CGP-DSSPD-NR5-EXEI KIRING 100 800 100 100 100 0.00054		_								
CHP-Seq		_								
CGP-DSSPD-NR3-EXED KTRING ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq STRING STRING ChIP-Seq ChIP-Seq STRING STRING STRING ChIP-Seq ChIP-Seq STRING STRING STRING ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq STRING ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq STRING ChIP-Seq STRING STRING STRING STRING ChIP-Seq ChIP-Seq ChIP-Seq STRING STRING STRING ChIP-Seq ChIP-Seq STRING ChIP-Seq STRING ChIP-Seq STRING ChIP-Seq STRING ChIP-Seq STRING ChIP-Seq STRING ChIP-Seq STRING ChIP-Seq ChIP-Seq STRING ChIP-Seq STRING ChIP-Seq STRING ChIP-Seq ChIP-Seq ChIP-Seq STRING ChIP-Seq ChIP-Seq ChIP-Seq STRING ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq STRING ChIP-Seq Ch	CGP-DSSPD-NR5-EXE4	NonSpecific	60	879550	15036	4059	0.50276	0.00656	-0.00118	0.003917
CP-DSSPD-NR5-EXE5 NonSpecific 75 (7) 879618 (1488) 14968 (148) 0.0020 (1000) 0.00008 (1000) 0.00108 (1000) 0.00108 (1000) 0.00108 (1000) 0.00108 (1000) 0.00108 (1000) 0.00108 (1000) 0.00108 (1000) 0.00109 (1000) 0.00109 (1000) 0.00000 0.00107 (1000) 0.00000 0.00107 (1000) 0.00000 0.00107 (1000) 0.00000 0.00107 (1000) 0.00000 0.00107 (1000) 0.00000 0.00107 (1000) 0.000000 0.00000 0.00000 0.00000 0.000000 0.00000 0.000000 0.00000		_	139	873904	14957	9705	0.50231	0.01327	-0.00219	0.009074
CHP-Seq										
CGP-DSSPD-NR10-EXEI STRING 84 882170 9012 4738 0.51365 0.00472 0.004071 0.004071 CGP-DSSPD-NR10-EXE2 NonSpecific 28 884986 6186 7476 0.50255 0.00242 -0.00069 0.001471 CGP-DSSPD-NR10-EXE2 NonSpecific 28 884916 6117 4090 0.50255 0.0035 -8-05 0.00461 CGP-DSSPD-NR10-EXE3 ChiP-Seq 97 882715 6146 9747 0.50386 0.01342 0.00368 0.01346 CGP-DSSPD-NR10-EXE3 NonSpecific 3 882334 8648 7439 0.50239 0.0161 0.00158 0.00578 CGP-DSSPD-NR10-EXE4 NonSpecific 3 882125 8007 7438 0.50339 0.0041 0.0010 0.00470 CGP-DSSPD-NR10-EXE4 NonSpecific 3 882135 8107 7472 0.51405 0.00212 0.00421 CGP-DSSPD-NR10-EXE5 NonSpecific 3 88318 8739 7472 0.51405 0.00212 0.00224 CGP-LS	CGP-DSSPD-NR5-EXE5	_								
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ChIP-Seq 123 877080 1184 9722 0.50255 0.01324 0.00069 0.010174 CGP-DSSPD-NR10-EXE2 NonSpecific 2014 888415 6117 4090 0.50225 0.00353 -8-05 0.004461 CGP-DSSPD-NR10-EXE3 NonSpecific 3 882713 814 7430 0.50225 0.00431 0.00340 0.00342 CGP-DSSPD-NR10-EXE3 NonSpecific 3 888735 814 7430 0.50239 0.0041 0.00340 0.00340 CGP-DSSPD-NR10-EXE4 NonSpecific 7 28 88201 860 0752 0.5038 0.0047 0.0007 0.00135 CGP-DSSPD-NR10-EXE4 NonSpecific 7 29 88506 600 7438 0.5148 0.0017 0.0007 0.00107 CGP-DSSPD-NR10-EXE4 NonSpecific 7 88506 576 7420 0.5148 0.0131 0.0037 0.00141 0.0037 CGP-DSSPD-NR10-EXE4 NonSpecific 7 88507 578 4810 0.5148 0.0021 0.0021 <t< td=""><td>CCD DSSDD NB10 EYE1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	CCD DSSDD NB10 EYE1									
CGP-DSSPD-NR10-EXE2 STRING 56 888415 617 400 0.50225 0.00450 0.00850 0.00850 CGP-DSSPD-NR10-EXE2 NonSpecified 35 882715 6146 9747 0.00385 0.00441 0.00385 0.00340 0.00380 0.00340 CGP-DSSPD-NR10-EXE3 NonSpecified 55 888675 588675 5911 483 0.00243 0.00461 0.00158 0.005786 CGP-DSSPD-NR10-EXE3 ChiP-Seq 882175 600 4989 0.50389 0.00447 0.00024 0.00407 CGP-DSSPD-NR10-EXE4 MonSpecified 57 888165 6080 4089 0.50388 0.00647 0.00047 0.00047 CGP-DSSPD-NR10-EXE4 MonSpecifie 7 888705 1976 4752 0.51488 0.00164 0.00371 0.00477 CGP-DSSPD-NR10-EXE4 NonSpecifie 8 388787 7579 4081 0.00162 0.00212 0.00224 0.00253 CGP-SSPD-NR10-EXE4 NonSpecifie 8 888787 378 6707 0.50458	CGF-DSSFD-NRIU-EXEI	_								
CP-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq P7 882715 P827 P827 P827 P827 P827 P827 P827 P827		_								
Chip-Seq 97 88215 6146 9747 0.5134 0.01342 0.00368 0.01346 CGP-DSSPD-NR10-EXE3 STRING 83 882534 864 30 0.5293 0.0014 0.00378 CGP-DSSPD-NR10-EXE4 (Preseq) 92 882017 801 0.50293 0.0131 0.0004 0.00355 CGP-DSSPD-NR10-EXE4 (NonSpecific) 29 88506 6080 4089 0.5038 0.0047 0.00047 CGP-DSSPD-NR10-EXE5 (NonSpecific) 37 88506 6080 4089 0.5038 0.0014 0.0002 0.00477 CGP-DSSPD-NR10-EXE5 NonSpecific 37 88507 5789 4081 0.5048 0.0012 0.00212 0.00477 CGP-SSPD-NR10-EXE5 NonSpecific 38 88318 5784 400 0.5031 0.01342 0.0062 0.01472 CGP-KM-BKM-NR10-EXE4 NonSpecific 18 89149 3883 7391 0.5154 0.01334 0.0062 0.00212 0	CGP-DSSPD-NR10-EXE2									
CGP-DSSPD-NR10-EXEJ STRING (nonspecific) 38 8848234 8488 8648 84867 751 8507 4082 850221 0.0023 85072 0.00141 85000 0.005786 90073 0.0014 90000 0.005786 90000 0.0013 90000 0.00014 90000 0.00018 90000 0.00018 90000 0.00018 90000 0.00018 90000 0.00018 90000 0.00019 90000 0.00019 90000 0.00019 90000 0.00019 90000 0.00019 90000 0.00019 90000 0.00019 90000 0.00019 90000 0.00019 90000 0.00014 90000 0.00014 90000 0.00019 90000 0.00040 90000 0.00040 90000 0.00040 90000 0.00014 90000 0.00014 <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		-								
CHP-Seq CHP-Seq Seq R80211 8070 7138 0.0339 -0.0004 0.00090 CGP-DSSPD-NR10-EXE4 KonSpecific 29 88850 608 408 0.15148 0.01313 0.0007 0.0004677 CGP-DSSPD-NR10-EXE4 ChIP-Seq 38870 5776 7478 0.50248 0.01318 -0.00377 0.00747 CGP-DSSPD-NR10-EXE5 ChIP-Seq 38 88318 5749 408 0.50148 0.01324 0.00256 0.01212 0.00625 CGP-SSPD-NR10-EXE5 ChIP-Seq 38 88318 5743 9760 0.5014 0.01324 0.00256 0.01327 CGP-KM-BKM-NR10-EXE1 NonSpecific 11 89010 4480 470 0.50345 0.01338 0.00426 0.01324 CGP-KM-BKM-NR10-EXE2 NonSpecific 34 88925 5333 407 0.50485 0.01339 0.0020 0.00212 CGP-KM-BKM-NR10-EXE2 NonSpecific 3 88936 7210 0.5049 0.00524			83	882534	8648	7439	0.514			0.009342
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CGP-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq CAP-DSSPD-NR10-EXE5 98,850 ChIP-Seq <br< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></br<>										
CHP-Seq 91 876951 11910 9764 0.50248 0.01318 -0.0377 0.00474 CGP-DSSPD-NR10-EXE5 5781NG 578 885097 5780 4081 0.50458 0.00665 0.00215 0.006253 CGP-LSSPD-NR10-EXE5 CHP-Seq 83 883118 5743 9760 0.5031 0.01324 0.00261 0.01407 CGP-KM-BKM-NR10-EXE1 ChIP-Seq 146 87948 9373 960 0.50485 0.00462 0.00241 0.00241 0.00214 0.00214 0.00214 0.00214 0.00210 0.01517 0.01518 0.01338 0.0046 0.00214 0.00218 0.	CCD DCCDD MD40 DVD4									
CGP-DSSPD-NR10-EXE5 STRING 50 885405 576 4782 0.51405 0.00054 0.00121 0.00525 CGP-DSSPD-NR10-EXE5 ChiP-Seq 83 88318 5743 0.001 0.00521 0.00212 0.00525 CHP-Seq CHP-Seq 83 881784 9388 7391 0.5159 0.02112 0.00624 0.01377 CGP-KM-BKM-NR10-EXE1 ChiP-Seq 11 89106 4480 4107 0.50361 0.00624 0.00224 0.01246 CGP-KM-BKM-NR10-EXE2 ChiP-Seq 44 88925 533 4084 0.0538 0.00330 0.00022 0.01024 CGP-KM-BKM-NR10-EXE2 ChiP-Seq 46 88948 833 4084 0.5037 0.00602 0.0021 0.00221 CGP-KM-BKM-NR10-EXE3 Naspecific 48 88936 7520 4109 0.5049 0.00651 0.00324 0.01761 CGP-KM-BKM-NR10-EXE3 Pin P-Seq 32 88775 152 4050 0.0065 0.00	CGP-DSSPD-NR10-EXE4	-								
CGP-DSSPD-NR10-EXE5 NonSpecific ChIP-Seq (3) 88 8791 5789 4081 0.5048 0.00656 0.00212 0.006253 0.01327 Col19-Seq (0.1) 83 88118 5743 9780 0.5015 0.01212 0.00612 0.013572 0.013572 0.00213 0.003572 0.00213 0.003572 0.00214 0.00313 0.00313 0.0041 0.00313 0.00413 0.00418 0.00418 0.00424 0.00214 0.0										
CHP-Seq 83 883118 5743 9760 0.5013 0.01324 0.00212 0.013772 CGP-KM-BKM-NR10-EXEI PM NonSpecific CHP-Seq 11 89106 480 4107 0.50361 0.00612 0.001212 0.001212 0.00121 0.00121 0.00121 0.00121 0.00121 0.00121 0.00121 0.001377 0.00121 0.00120 0.00121 <td< td=""><td>CGP-DSSPD-NR10-EXE5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	CGP-DSSPD-NR10-EXE5									
CGP-KM-BKM-NR10-EXEI KNRSpecific of Line Solloid Sollo	CGI -DSSI D-IVI(10-EAE6	-								
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CGP-KM-BKM-NR10-EXE2 STRING 95 882789 8393 7427 0.51754 0.02139 0.0302 0.010921 CGP-KM-BKM-NR10-EXE3 NonSpecific 34 889233 5333 4084 0.5032 0.01317 -0.0519 0.005218 CGP-KM-BKM-NR10-EXE3 NonSpecific 9 889367 7306 7426 0.51857 0.02141 0.00462 0.001638 CGP-KM-BKM-NR10-EXE4 NonSpecific 9 889367 5219 4109 0.50449 0.00651 -0.00324 0.001683 CGP-KM-BKM-NR10-EXE4 NonSpecific 31 883667 7526 7441 0.51951 0.02146 0.00332 0.00754 CGP-KM-BKM-NR10-EXE4 NonSpecific 33 887012 7574 4085 0.50698 0.01292 -0.00179 0.00908 CGP-KM-BKM-NR10-EXE5 NonSpecific 33 888473 613 4075 0.50683 0.00665 -0.00179 0.00908 CGP-KM-BKM-NR10-EXE5 NonSpecific 37 889636 <	$CGP ext{-}KM ext{-}BKM ext{-}NR10 ext{-}EXE1$		11			4107			-0.00224	
CGP-KM-BKM-NR10-EXE2 NonSpecific (LIP-Seq Afe LIP-Seq Afe			146	879488	9373	9697	0.50485	0.01338	0.00436	0.015126
CGP-KM-BKM-NR10-EXE1 CHP-Seq STRING STR										
CGP-KM-BKM-NR10-EXE3 STRING 96 883876 7306 7426 0.51857 0.02141 0.0464 0.12761 CGP-KM-BKM-NR10-EXE3 NonSpecific 9 889367 5219 4109 0.50449 0.00651 -0.00324 0.001683 CGP-KM-BKM-NR10-EXE4 ChIP-Seq 90 877558 11303 9750 0.51051 0.02146 0.00231 0.01775 CGP-KM-BKM-NR10-EXE4 NonSpecific 33 887012 7574 4085 0.50609 0.00665 -0.00033 0.004254 CGP-KM-BKM-NR10-EXE4 NonSpecific 33 887012 7574 4085 0.50609 0.01292 -0.00179 0.00908 CGP-KM-BKM-NR10-EXE5 NonSpecific 33 888473 6113 4085 0.50683 0.00665 0.00177 0.00968 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 39 889363 1950 4079 0.50645 0.00149 0.00677 0.01419 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 32 889327	CGP-KM-BKM-NR10-EXE2									
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CGP-KM-BKM-NR10-EXE4 STRING 81 883656 7526 7441 0.51951 0.02146 0.00231 0.010441 CGP-KM-BKM-NR10-EXE4 NonSpecific 33 887012 7574 4085 0.50609 0.00665 -0.00033 0.004254 ChIP-Seq 102 877969 10892 9742 0.50098 0.01292 -0.00179 0.00908 CGP-KM-BKM-NR10-EXE5 NonSpecific 33 888473 6113 4085 0.50683 0.00668 0.00097 0.00530 CGP-KM-BKM-NR10-EXE5 NonSpecific 30 888473 6113 4085 0.50683 0.00668 0.00997 0.00530 CHP-Seq 105 8877965 10896 9738 0.50131 0.01285 -0.00151 0.00938 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 39 889636 4950 4079 0.50655 0.01294 0.00478 0.01606 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 28 889327 5259 4090 0.50683 <td< td=""><td>CGP-KM-DKM-NKIU-EAE3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	CGP-KM-DKM-NKIU-EAE3									
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CGP-KM-BKM-NR10-EXE5 STRING 108 880289 10893 7414 0.51985 0.02141 0.00177 0.009648 CGP-KM-BKM-NR10-EXE5 NonSpecific 33 888473 6113 4085 0.50683 0.00668 0.00097 0.005307 CGP-KM-DSSPD-NR10-EXE1 109 883703 7479 7413 0.52106 0.02149 0.00607 0.014119 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 39 889636 4950 4079 0.50645 0.0066 0.00358 0.007706 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 39 889636 4950 4079 0.50645 0.0066 0.00358 0.016062 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 28 889327 5259 4090 0.50683 0.0066 0.00816 0.01377 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 28 889327 5259 4090 0.50683 0.0066 0.00152 0.01239 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 17 889163 5423										
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CGP-KM-DSSPD-NR10-EXE1 STRING 109 883703 7479 7413 0.52106 0.02149 0.00607 0.014119 CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 124 889636 4950 4079 0.50645 0.0066 0.00358 0.007706 ChIP-Seq 124 881397 7464 9719 0.50155 0.01294 0.00478 0.016062 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 28 889327 5259 4090 0.50683 0.0066 0.0081 0.005176 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 28 889327 5259 4090 0.50683 0.0066 0.0081 0.005176 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 17 889183 5423 4101 0.50647 0.00655 -0.00168 0.003084 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 17 889163 3720 7468 0.52476 0.02169 0.00426 0.014263 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 41 890866 3720	CGP-KM-BKM-NR10-EXE5		33	888473	6113	4085	0.50683	0.00668	0.00097	0.005307
CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq (ChIP-Seq 124) 889636 4950 (4079) 0.50645 0.0066 0.00358 0.007706 CGP-KM-DSSPD-NR10-EXE2 124 881397 7464 9719 0.50155 0.01294 0.00478 0.016062 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 109 880287 5259 4090 0.50683 0.0066 0.00081 0.005176 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 109 880287 8574 9734 0.50189 0.01294 0.00152 0.012302 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 17 881882 9300 7387 0.52429 0.02173 0.00671 0.014127 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 17 889163 5423 4101 0.50647 0.00655 -0.00168 0.003084 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 21 887475 3707 7468 0.52476 0.02169 0.00426 0.014263 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 21 885137 3724 9806 0.50056 0.01279 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
CGP-KM-DSSPD-NR10-EXE4 NonSpecific 740 S718 S81839 S82621 S8561 S8182 S736 S736 S736 S7364 S7468 S7468 S7468 S8168 S8168 S7468 S8168 S7468 S8168 S7468 S8168 S7468 S7468 S8168 S7468										
CGP-KM-DSSPD-NR10-EXE2 STRING 122 882621 8561 7400 0.52257 0.0216 0.00616 0.01377 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 109 880287 5259 4090 0.50683 0.0066 0.00081 0.005176 CGP-KM-DSSPD-NR10-EXE3 TRING 135 881882 9300 7387 0.52429 0.02173 0.00671 0.014127 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 104 879529 9332 9740 0.50647 0.00655 -0.00168 0.003084 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 54 887475 3707 7468 0.52476 0.02169 0.00426 0.014263 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 41 890866 3720 4077 0.50871 0.00669 0.00607 0.010829 CGP-KM-DSSPD-NR10-EXE5 NonSpecific ChIP-Seq 37 885137 3724 9806 0.50056 0.01279 -0.00069 0.009773 CGP-KM-DSSPD-NR10-EXE5 NonSpec	CGP-KM-DSSPD-NR10-EXE1	_								
CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq (DIP-Seq) 28 889327 5259 4090 0.50683 0.0066 0.00081 0.005176 ChIP-Seq (DIP-Seq) 109 880287 8574 9734 0.50189 0.01294 0.00152 0.012302 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 17 889163 5423 4101 0.50647 0.00655 -0.00168 0.003084 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 104 879529 9332 9740 0.50091 0.01283 7e-05 0.010883 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 41 890866 3720 4077 0.50871 0.00669 0.00426 0.010829 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 37 885137 3724 9806 0.50056 0.01279 -0.00069 0.009773 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 21 889257 5329 4097 0.50899 0.00669 -0.00075 0.003843		•								
CGP-KM-DSSPD-NR10-EXE4 ChIP-Seq D-IRING 109 S80287 8854 S81882 9300 P334 S738 0.50189 S734 S738 0.01294 S734 S738 0.00152 S7338 0.012302 S738 0.012302 S738 0.01294 S738 0.00671 S738 0.014127 S738 0.014127 S738 0.014127 S738 0.014127 S738 0.00655 S738 0.00655 S738 0.00168 S738 0.003084 S738 0.014127 S738 0.00655 S738 0.00168 S738 0.014263 S738 0.00426 S738 0.014263 S738 0.00426 S738 0.014263 S738 0.00426 S738 0.00426 S738 0.00426 S738 0.00426 S738 0.00669	CCP_KM_DSSPD_NR10_FYF9									
CGP-KM-DSSPD-NR10-EXE3 STRING 135 881882 9300 7387 0.52429 0.02173 0.00671 0.014127 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 17 889163 5423 4101 0.50647 0.00655 -0.00168 0.003084 ChIP-Seq 104 879529 9332 9740 0.50091 0.01283 7e-05 0.010883 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 41 890866 3720 4077 0.50871 0.00669 0.00607 0.010829 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 41 885069 6113 7431 0.52616 0.02182 0.00576 0.014337 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 21 889257 5329 4097 0.50899 0.00669 -0.00075 0.003823	COI -IXWI-DODI D-NIQIU-EAEZ	_								
CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 17 889163 5423 4101 0.50647 0.00655 -0.00168 0.003084 ChIP-Seq 104 879529 9332 9740 0.50091 0.01283 7e-05 0.010883 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 41 890866 3720 4077 0.50871 0.00669 0.00607 0.010829 CGP-KM-DSSPD-NR10-EXE5 ChIP-Seq 37 885137 3724 9806 0.50056 0.01279 -0.00069 0.009773 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 21 889257 5329 4097 0.50899 0.00669 -0.00075 0.003823		•								
ChIP-Seq 104 879529 9332 9740 0.50091 0.01283 7e-05 0.010883 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 41 890866 3720 4077 0.50871 0.00669 0.00607 0.010829 CGP-KM-DSSPD-NR10-EXE5 ChIP-Seq 37 885137 3724 9806 0.50056 0.01279 -0.00069 0.009773 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 21 889257 5329 4097 0.50899 0.00669 -0.00075 0.003823	CGP-KM-DSSPD-NR10-EXE3									
CGP-KM-DSSPD-NR10-EXE4 STRING 54 887475 3707 7468 0.52476 0.02169 0.00426 0.014263 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 41 890866 3720 4077 0.50871 0.00669 0.00607 0.010829 ChIP-Seq 37 885137 3724 9806 0.50056 0.01279 -0.00069 0.009773 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 21 889257 5329 4097 0.50899 0.00669 -0.00075 0.003823		_								
ChIP-Seq 37 885137 3724 9806 0.50056 0.01279 -0.00069 0.009773 STRING 91 885069 6113 7431 0.52616 0.02182 0.00576 0.014337 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 21 889257 5329 4097 0.50899 0.00669 -0.00075 0.003823		•	54	887475		7468		0.02169		
STRING 91 885069 6113 7431 0.52616 0.02182 0.00576 0.014337 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 21 889257 5329 4097 0.50899 0.00669 -0.00075 0.003823	CGP-KM-DSSPD-NR10-EXE4									
CGP-KM-DSSPD-NR10-EXE5 NonSpecific 21 889257 5329 4097 0.50899 0.00669 -0.00075 0.003823										
•	COD IN CROSS									
OniP-Seq 67 882723 6138 9777 0.50024 0.01276 -0.00013 0.010556	CGP-KM-DSSPD-NR10-EXE5	_								
		CniP-Seq	07	882723	0138	9177	0.50024	0.01276	-0.00013	0.010556

Tabela 24: Tabular results for mDC problem considering the 500TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	141	664551	4675	4674	0.51004	0.04911	0.0223	0.029277
PIDC	NonSpecific	70	667976	2998	2997	0.50928	0.02524	0.01835	0.022816
	ChIP-Seq	$\frac{2}{63}$	672531	754	754	0.50067	0.00573	0.00153	0.002646
GENIE3	STRING NonSpecific	03 30	664474 667937	$4752 \\ 3037$	$4752 \\ 3037$	$0.5087 \\ 0.50937$	0.03522 0.01803	0.00598 0.00526	0.013084 0.009782
GENIES	ChIP-Seq	30 1	672529	756	755	0.50937 0.50017	0.01803 0.00405	0.00320 0.0002	0.009782 0.001321
	STRING	60	664471	4755	4755	0.50836	0.0311	0.0052	0.001021
GRNBOOST2	NonSpecific	19	667926	3048	3048	0.50888	0.0153	0.00165	0.006195
	ChIP-Seq	1	672530	755	755	0.49993	0.00367	0.0002	0.001323
	STRING	36	664669	4557	4779	0.5085	0.02814	0.00068	0.007477
SINCERITIES	NonSpecific	8	668069	2905	3059	0.50788	0.01204	-0.00177	0.002608
	ChIP-Seq	0	672568	717	756	0.49928	0	-0.00109	0.0
PDCOD	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific ChIP-Seq	$0 \\ 0$	0	$0 \\ 0$	0	0	0	0	0
	STRING	97	654169	15057	4718	0.5078	0.02607	-0.00134	0.006401
CGP-DSSPD-NR5-EXE1	NonSpecific	50	655870	15104	3017	0.50728	0.01064	-0.00184	0.003299
	ChIP-Seq	12	658143	15142	744	0.49871	0.00284	-0.00149	0.000792
	STRING	108	653857	15369	4707	0.50856	0.02564	-0.0003	0.006978
CGP-DSSPD-NR5-EXE2	NonSpecific	69	655566	15408	2998	0.50886	0.01059	-0.00021	0.004458
	ChIP-Seq	12	657820	15465	744	0.49879	0.00306	-0.00159	0.000775
	STRING	102	653448	15778	4713	0.508	0.0248	-0.00133	0.006423
CGP-DSSPD-NR5-EXE3	NonSpecific	71	655165	15809	2996	0.50937	0.01028	-0.00018	0.004471
	ChIP-Seq	16	657421	15864	740	0.50016	0.00384	-0.00053	0.001008
CCD DCCDD ND# EVE4	STRING	94	653207	16019	4721	0.50712	0.02406	-0.00243	0.005834
CGP-DSSPD-NR5-EXE4	NonSpecific ChIP-Seq	$\frac{68}{23}$	654929 657195	16045 16090	$\frac{2999}{733}$	0.50933 0.49962	0.00996 0.0036	-0.00077 0.00143	0.00422 0.001427
	STRING	$\frac{23}{104}$	653946	15280	4711	0.49902 0.50686	0.0030 0.02373	-0.00145	0.001427 0.00676
CGP-DSSPD-NR5-EXE5	NonSpecific	60	655650	15324	3007	0.50915	0.02975	-0.00148	0.0039
	ChIP-Seq	14	657915	15370	742	0.49976	0.00367	-0.00097	0.00091
	STRING	20	666173	3053	4795	0.50667	0.02348	-0.00051	0.006508
CGP-DSSPD-NR10-EXE1	NonSpecific	18	667919	3055	3049	0.50981	0.00963	0.00131	0.005857
	ChIP-Seq	9	670304	2981	747	0.50063	0.00399	0.00377	0.00301
COR ROOPE MEAN THE	STRING	19	666082	3144	4796	0.50634	0.02322	-0.00093	0.006007
CGP-DSSPD-NR10-EXE2	NonSpecific	25	667912	3062	3042	0.51145	0.00976	0.00358	0.008098
	ChIP-Seq STRING	$\frac{3}{22}$	$670201 \\ 665937$	$3084 \\ 3289$	$753 \\ 4793$	$0.50085 \\ 0.50616$	$0.00405 \\ 0.02307$	-0.0003 -0.00042	0.000972 0.006645
CGP-DSSPD-NR10-EXE3	NonSpecific	11	667811	3163	3056	0.50010 0.51073	0.02307 0.00946	-0.00042	0.00045 0.003466
	ChIP-Seq	3	670114	3171	753	0.50031	0.00386	-0.00036	0.000945
	STRING	47	662997	6229	4768	0.50636	0.02301	0.0004	0.007489
CGP-DSSPD-NR10-EXE4	NonSpecific	14	667865	3109	3053	0.51033	0.00927	-7e-05	0.004483
	ChIP-Seq	4	670166	3119	752	0.4998	0.00371	0.00032	0.001281
	STRING	26	666261	2965	4789	0.5069	0.02313	0.00123	0.008693
CGP-DSSPD-NR10-EXE5	NonSpecific	7	667990	2984	3060	0.5094	0.00905	-0.00219	0.00234
	ChIP-Seq STRING	$\frac{4}{170}$	670355 663337	$2930 \\ 5889$	$752 \\ 4645$	$0.49931 \\ 0.51827$	$0.00359 \\ 0.02578$	$0.00048 \\ 0.02365$	0.001363 0.028057
CGP-KM-BKM-NR10-EXE1	NonSpecific	81	666701	4273	2986	0.51627 0.51496	0.02578 0.00967	0.02363 0.01684	0.028037 0.018604
COI IIII BIIII IIIII EZEI	ChIP-Seq	$\frac{31}{2}$	671793	1492	754	0.50017	0.00381	0.01004 0.00031	0.010004 0.001339
	STRING	$\frac{-}{145}$	662986	6240	4670	0.52516	0.02713	0.01808	0.022709
$CGP ext{-}KM ext{-}BKM ext{-}NR10 ext{-}EXE2$	NonSpecific	82	664671	6303	2985	0.51766	0.00996	0.01205	0.012843
	ChIP-Seq	0	672208	1077	756	0.49974	0	-0.00134	0.0
	STRING	96	664472	4754	4719	0.52651	0.02693	0.01279	0.019794
CGP-KM-BKM-NR10-EXE3	NonSpecific	65	666387	4587	3002	0.5199	0.01012	0.01167	0.013972
	ChIP-Seq	1	670901	2384	755	0.49988	0.00374	-0.00125	0.000419
CCD KM DKM ND10 EVE4	STRING	121	663064	6162	4694	0.52697	0.02673	0.01395	0.019258
CGP-KM-BKM-NR10-EXE4	NonSpecific ChIP-Seq	$\begin{array}{c} 29 \\ 0 \end{array}$	667100 670855	$3874 \\ 2430$	$\frac{3038}{756}$	$0.51902 \\ 0.49962$	0.00995	0.00327 -0.00202	$0.00743 \\ 0.0$
	STRING	194	659588	9638	4621	0.49902 0.52921	0.02687	0.01819	0.019731
CGP-KM-BKM-NR10-EXE5	NonSpecific	169	661311	9663	2898	0.52321 0.5208	0.02007 0.01005	0.01015 0.02285	0.013731 0.017189
	ChIP-Seq	0	671748	1537	756	0.49948	0	-0.0016	0.0
	STRING	31	666320	2906	4784	0.52959	0.02682	0.00268	0.010555
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	15	668052	2922	3052	0.5208	0.00998	0.00055	0.005107
	ChIP-Seq	1	670775	2510	755	0.4996	0.00369	-0.00132	0.000398
	STRING	26	665054	4172	4789	0.53027	0.02682	-0.00089	0.006193
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	22	666798	4176	3045	0.52247	0.0101	0.00081	0.005241
	ChIP-Seq	0	672028	1257	756 4791	0.49906	0 02604	-0.00145	0.0
CGP-KM-DSSPD-NR10-EXE3	STRING NonSpecific	$\frac{34}{23}$	665154 666891	$4072 \\ 4083$	$4781 \\ 3044$	$0.53141 \\ 0.52381$	$0.02694 \\ 0.01017$	$0.00106 \\ 0.00122$	0.008281 0.005602
COI -KIM-DOSI D-MRIU-EAES	ChIP-Seq	23 1	672043	1242	$\frac{5044}{755}$	0.32381 0.49929	0.01017 0.00364	-0.00122	0.003002 0.000805
	STRING	$\frac{1}{24}$	666326	$\frac{1242}{2900}$	4791	0.43323 0.5318	0.00304 0.02688	0.00041	0.008208
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	15	668065	2909	3052	0.52381	0.0101	0.00057	0.005230
	ChIP-Seq	1	670799	2486	755	0.49949	0.00368	-0.00131	0.000402
							0.00000	0.0001	0.007074
	STRING	19	666633	2593	4796	0.5319	0.02682	0.0001	0.007274
CGP-KM-DSSPD-NR10-EXE5	STRING NonSpecific ChIP-Seq	19 13 1	666633 668375 670980	2593 2599 2305	4796 3054 755	0.5319 0.52362 0.49957	0.02682 0.01004 0.0037	0.0001 0.0004 -0.0012	0.007274 0.004977 0.000434

Tabela 25: Tabular results for mESC problem considering the 500TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	293	1239169	7469	7469	0.51591	0.06549	0.03176	0.037748
PIDC	NonSpecific	132	1240745	6762	6761	0.50724	0.02195	0.01373	0.019147
	ChIP-Seq STRING	$899 \\ 167$	$1196072 \\ 1239043$	$28715 \\ 7595$	$28714 \\ 7595$	$0.50315 \\ 0.51759$	$0.035 \\ 0.05254$	$0.00691 \\ 0.01542$	0.030357 0.021515
GENIE3	NonSpecific	96	1239043 1240709	6798	6797	0.51759 0.50793	0.03234 0.01649	0.01342 0.00848	0.021313 0.013925
021120	ChIP-Seq	1032	1196204	28583	28581	0.5051	0.03469	0.01151	0.034847
	STRING	195	1239071	7567	7567	0.51874	0.04986	0.01905	0.025122
GRNBOOST2	NonSpecific	103	1240717	6790	6790	0.50798	0.01534	0.0095	0.014943
	ChIP-Seq	1040	1196214	28573	28573	0.5065	0.0352	0.01179	0.03512
CINCEDITIES	STRING	93	1239066	7572	7669	0.5209	0.04142	0.00594	0.011981
SINCERITIES	NonSpecific ChIP-Seq	$\begin{array}{c} 51 \\ 696 \end{array}$	$\frac{1240752}{1196476}$	$6755 \\ 28311$	$6842 \\ 28917$	$0.50845 \\ 0.50588$	0.01341 0.03381	$0.002 \\ 0.00039$	0.007399 0.023503
	STRING	0	0	0	0	0.50500	0.05501	0.00033	0.025505
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	129	1226350	20288	7633	0.52139	0.03754	0.00021	0.006318
CGP-DSSPD-NR5-EXE1	NonSpecific	121	1227211	20296	6772	0.50969	0.01292	0.00075	0.005926
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$526 \\ 140$	$1204896 \\ 1226277$	$\frac{19891}{20361}$	$29087 \\ 7622$	$0.50643 \\ 0.52176$	0.03364 0.03503	0.00183 0.00105	0.025763 0.006829
CGP-DSSPD-NR5-EXE2	NonSpecific	128	1227134	20373	6765	0.52170 0.51081	0.03503 0.01258	0.00103	0.006244
	ChIP-Seq	508	1204794	19993	29105	0.50662	0.03342	0.001	0.024779
	STRING	132	1226308	20330	7630	0.52163	0.03321	0.00043	0.006451
CGP-DSSPD-NR5-EXE3	NonSpecific	142	1227187	20320	6751	0.51109	0.01215	0.00252	0.00694
	ChIP-Seq	465	1204790	19997	29148	0.50638	0.03317	-0.00075	0.022725
CGP-DSSPD-NR5-EXE4	STRING NonSpecific	153 104	$\frac{1226603}{1227423}$	20035 20084	$7609 \\ 6789$	$0.52193 \\ 0.51139$	0.03212 0.01187	0.00227 -0.00059	0.007579 0.005152
CGI -DSSI D-MG-EXE4	ChIP-Seq	497	1227423 1205096	19691	29116	0.51159 0.50666	0.01137 0.0331	0.00039	0.003132 0.024619
	STRING	137	1225969	20669	7625	0.522	0.03127	0.00066	0.021515 0.006585
CGP-DSSPD-NR5-EXE5	NonSpecific	115	1226816	20691	6778	0.51092	0.01151	6e-05	0.005527
	ChIP-Seq	465	1204446	20341	29148	0.50638	0.03294	-0.00108	0.022349
CCD DCCDD ND10 DVD1	STRING	80	1234358	12280	7682	0.52228	0.03046	0.00036	0.006472
CGP-DSSPD-NR10-EXE1	NonSpecific ChIP-Seq	$\frac{55}{259}$	$1235202 \\ 1212645$	$\frac{12305}{12142}$	$6838 \\ 29354$	$0.51047 \\ 0.50593$	0.01115 0.03274	-0.00141 -0.00179	0.00445 0.020885
	STRING	48	1212645 1238566	8072	$\frac{29334}{7714}$	0.50595 0.52235	0.03274 0.02986	-0.00179	0.020883 0.005911
CGP-DSSPD-NR10-EXE2	NonSpecific	49	1239436	8071	6844	0.51034	0.02300 0.01093	0.00059	0.0060311
	ChIP-Seq	404	1205125	19662			0.03249	-0.00292	0.020134
	STRING	55	1238339	8299	7707	0.52262	0.02934	0.00041	0.006584
CGP-DSSPD-NR10-EXE3	NonSpecific	58	1239211	8296	6835	0.51125	0.01093	0.0016	0.006943
	$ \text{ChIP-Seq} \\ \text{STRING} $	$\frac{185}{41}$	$1216618 \\ 1238269$	$8169 \\ 8369$	$29428 \\ 7721$	$0.50458 \\ 0.52227$	0.03235 0.02875	-0.00079 -0.00137	0.022145 0.004875
CGP-DSSPD-NR10-EXE4	NonSpecific	47	1239144	8363	6846	0.52227 0.51133	0.02873 0.01081	0.00137	0.004873 0.005589
	ChIP-Seq	406	1208644	16143	29207	0.50471	0.03232	0.00071	0.024533
	STRING	73	1234475	12163	7689	0.52203	0.02829	-0.00028	0.005966
CGP-DSSPD-NR10-EXE5	NonSpecific	61	1235332	12175	6832	0.51106	0.01068	-0.00068	0.004985
	ChIP-Seq	266	1212817	11970	29347	0.50432	0.03222	-0.00122	0.021739
CGP-KM-BKM-NR10-EXE1	STRING NonSpecific	$\frac{44}{35}$	$1237378 \\ 1240583$	$9260 \\ 6924$	$7718 \\ 6858$	$0.52204 \\ 0.51092$	$0.02809 \\ 0.01056$	-0.00161 -0.00047	0.004729 0.005029
Out -KWI-DKWI-WIGIO-DADI	ChIP-Seq	255	1246053 1206057	18730	29358	0.51032 0.50202	0.01030 0.03182	-0.00831	0.003023 0.013432
	STRING	40	1235624	11014	7722	0.52086	0.02746	-0.00309	0.003619
CGP-KM-BKM-NR10-EXE2	NonSpecific	43	1236496	11011	6850	0.51003	0.01035	-0.00205	0.00389
	ChIP-Seq	358	1212872	11915	29255	0.50311	0.03201	0.00364	0.02917
CCD VM DVM ND10 EVE2	STRING	60	1235072	11566	$7702 \\ 6819$	0.52135	0.02743	-0.00127	0.005161
CGP-KM-BKM-NR10-EXE3	NonSpecific ChIP-Seq	$74 \\ 336$	$1235955 \\ 1210049$	$11552 \\ 14738$	$\frac{0819}{29277}$	$0.51059 \\ 0.50305$	$0.01036 \\ 0.03199$	0.00114 -0.00096	0.006365 0.02229
	STRING	58	1235418	11220	7704	0.52092	0.0271	-0.00030	0.02223 0.005143
$CGP ext{-}KM ext{-}BKM ext{-}NR10 ext{-}EXE4$	NonSpecific	66	1236295	11212	6827	0.51109	0.01035	0.00046	0.005852
	ChIP-Seq	445	1201775	23012	29168	0.50146	0.03169	-0.00422	0.018971
CCD VIA DINA ND40 EVE	STRING	54	1237772	8866	7708	0.52165	0.02716	-0.00015	0.006054
CGP-KM-BKM-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{58}{213}$	$1238645 \\ 1211911$	$8862 \\ 12876$	6835 29400	$0.51181 \\ 0.50025$	$0.0104 \\ 0.0315$	0.00115 -0.00496	0.006502 0.016273
	STRING	$\frac{215}{33}$	1211911 1239836	6802	7729	0.50025 0.52114	0.0313 0.02689	-0.00496	0.016273 0.004828
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	49	1240721	6786	6844	0.52114 0.51254	0.02003 0.01043	0.00120	0.004020 0.007169
	ChIP-Seq	169	1218121	6666	29444	0.50004	0.03147	0.00055	0.024726
	STRING	21	1243021	3617	7741	0.5211	0.02683	-0.00029	0.005772
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	20	1243889	3618	6873	0.51259	0.0104	0	0.005498
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	73	1221222	3565	29540	0.4998	0.03144	-0.00126	0.020066
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	$\begin{array}{c} 23 \\ 24 \end{array}$	$1242970 \\ 1243840$	$\frac{3668}{3667}$	$7739 \\ 6869$	0.52113 0.51281	0.02673 0.0104	3e-05 0.00074	0.006231 0.006502
COLUMNIC DON DIMINUTALS	ChIP-Seq	$\frac{24}{104}$	1243840 1221200	3587	29509	0.31281 0.49995	0.0104 0.03147	0.00074 0.00163	0.000302 0.028177
	STRING	21	1242843	3795	7741	0.52112	0.0267	-0.00048	0.005503
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	22	1243713	3794	6871	0.5128	0.01038	0.0002	0.005765
	ChIP-Seq	92	1221063	3724	29521	0.50002	0.03148	0.00018	0.024109
COD WA DOODD AD 40 DVC	STRING	21	1242775	3863	7741	0.52093	0.02659	-0.00056	0.005407
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	24 86	$1243647 \\ 1220989$	$3860 \\ 3798$	$6869 \\ 29527$	0.51279 0.49993	$0.01035 \\ 0.03147$	0.00052 -0.00054	$0.006179 \\ 0.022142$
	Omr-Bed	30	1440303	9190	23021	0.43330	0.00147	-0.00004	0.044144

Tabela 26: Tabular results for mHSC-E problem considering the 500TF configuration with self-loop.

Alg	RefNet	ТР	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	82	492955	1290	1289	0.52672	0.08131	0.05718	0.059767
PIDC	NonSpecific	53	492818	1373	1372	0.51666	0.03963	0.0344	0.037167
	ChIP-Seq	205	472706	11353	11352	0.49727	0.022	-0.00571	0.017737
CENTES	STRING	53	492927	1318	1318	0.53013	0.06921	0.03599	0.038658
GENIE3	NonSpecific	44	492810	1381	1381	0.5209	0.03185	0.02808	0.030877
	ChIP-Seq STRING	$\frac{35}{55}$	$472534 \\ 492929$	$11525 \\ 1316$	11522 1316	$0.49055 \\ 0.53231$	0.01834 0.07056	-0.02078 0.03745	0.003028 0.040117
GRNBOOST2	NonSpecific	43	492929	1310 1382	1310 1382	0.53231 0.52119	0.07050 0.03257	0.03745 0.02738	0.040117 0.030175
GRINDOOS12	ChIP-Seq	72	472574	11485	1362 11485	0.32119 0.48842	0.03237 0.01803	-0.0175	0.030173 0.00623
	STRING	0	492877	1368	1371	0.53171	0.01000	-0.00277	0.00020
SINCERITIES	NonSpecific	1	492771	1420	1424	0.52014	0.02595	-0.00217	0.000702
	ChIP-Seq	175	472746	11313	11382	0.48485	0.01877	-0.00825	0.015142
	STRING	18	492891	1354	1353	0.53156	0.04982	0.01039	0.01312
PPCOR	NonSpecific	11	492776	1415	1414	0.51941	0.01957	0.00485	0.007714
	ChIP-Seq	146	477807	6252	11411	0.48454	0.01918	-0.00038	0.02282
	STRING	25	484884	9361	1346	0.53163	0.0456	-0.00027	0.002664
CGP-DSSPD-NR5-EXE1	NonSpecific	24	484829	9362	1401	0.5208	0.01852	-0.00083	0.002557
	ChIP-Seq	235	474908	9151	11322	0.48545	0.02021	0.00158	0.025037
CGP-DSSPD-NR5-EXE2	STRING NonSpecific	$\frac{32}{43}$	$481260 \\ 481217$	12985	$1339 \\ 1382$	$0.53158 \\ 0.52107$	0.04231 0.01731	-0.00096 0.00131	0.002458
CGF-DSSFD-NR3-EAE2	ChIP-Seq	$\frac{45}{355}$	471397	$\frac{12974}{12662}$	1362 11202	0.32107 0.48768	0.01731 0.02123	0.00131 0.0043	0.003303 0.027272
	STRING	18	485026	9219	1353	0.43703 0.53114	0.02123 0.04009	-0.00215	0.021212 0.001949
CGP-DSSPD-NR5-EXE3	NonSpecific	25	484979	9212	1400	0.5204	0.0162	-0.00043	0.001717
	ChIP-Seq	215	475037	9022	11342	0.48791	0.02151	-4e-05	0.023276
	STRING	39	483540	10705	1332	0.53113	0.03848	0.00245	0.00363
CGP-DSSPD-NR5-EXE4	NonSpecific	36	483483	10708	1389	0.52109	0.01574	0.00132	0.003351
	ChIP-Seq	240	473555	10504	11317	0.48718	0.02158	-0.00097	0.022338
	STRING	32	482271	11974	1339	0.53031	0.03672	-0.0003	0.002665
CGP-DSSPD-NR5-EXE5	NonSpecific	30	482215	11976	1395	0.52083	0.01516	-0.00111	0.002499
	ChIP-Seq	265	472318	11741	11292	0.48683	0.02168	-0.0013	0.022072
CCD DCCDD ND10 EVE1	STRING	$\frac{2}{7}$	491452	2793	1369	0.5296	0.03501	-0.00294	0.000716
CGP-DSSPD-NR10-EXE1	NonSpecific	7 119	491403	2788 5246	1418	0.52065	$0.01472 \\ 0.02165$	-0.00052	0.002504
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{112}{3}$	$478813 \\ 491507$	$5246 \\ 2738$	$11445 \\ 1368$	$0.48603 \\ 0.52917$	0.02165 0.034	-0.00167 -0.00237	0.020903 0.001094
CGP-DSSPD-NR10-EXE2	NonSpecific	3 6	491367 491456	2735	1308 1419	0.52917 0.52042	0.034 0.01433	-0.00237	0.001094 0.002189
CGI -DSSI D-MIIO-EXEZ	ChIP-Seq	158		5364	11399		0.01433 0.022	0.00372	0.002139 0.028613
	STRING	4	491618	2627	1367	0.52911	0.0325	-0.00173	0.020015
CGP-DSSPD-NR10-EXE3	NonSpecific	8	491568	2623	1417	0.51993	0.01396	0.00023	0.003041
	ChIP- Seq	120	478951	5108	11437	0.48765	0.02209	-0.00025	0.022953
	STRING	8	491749	2496	1363	0.52927	0.0326	0.00058	0.003195
CGP-DSSPD-NR10-EXE4	NonSpecific	8	491695	2496	1417	0.52	0.01372	0.00042	0.003195
	ChIP-Seq	134	476444	7615	11423	0.48627	0.02201	-0.00503	0.017293
CCD DCCDD ND40 EVE	STRING	7	491457	2788	1364	0.52814	0.03143	-0.00038	0.002504
CGP-DSSPD-NR10-EXE5	NonSpecific	8	491404	2787	1417	0.51978	0.01347	-2e-05	0.002862
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{178}{9}$	$475664 \\ 492849$	$8395 \\ 1396$	$11379 \\ 1362$	$0.48547 \\ 0.52864$	$0.02197 \\ 0.03165$	-0.00225 0.00369	0.020763 0.006406
CGP-KM-BKM-NR10-EXE1	NonSpecific	9	492849 491435	2756	1302 1416	0.52004 0.52007	0.03103 0.01334	0.00309 0.00053	0.003255
OOI -IXW-DIXW-IVICIO-EXEI	ChIP-Seq	90	478116	5943	11467	0.48317	0.01334 0.02176	-0.00618	0.003233 0.014918
	STRING	14	491634	2611	1357	0.52937	0.03164	0.00357	0.005333
CGP-KM-BKM-NR10-EXE2	NonSpecific	11	491577	2614	1414	0.51953	0.01308	0.00179	0.00419
	ChIP- Seq	61	481303	2756	11496	0.48347	0.02183	-0.00083	0.021654
	STRING	10	492267	1978	1361	0.52937	0.0314	0.00274	0.00503
CGP-KM-BKM-NR10-EXE3	NonSpecific	4	492207	1984	1421	0.51867	0.01284	-0.00102	0.002012
	ChIP-Seq	138	478234	5825	11419	0.48336	0.02185	-0.00013	0.023143
	STRING	8	492426	1819	1363	0.52932	0.03114	0.00187	0.004379
CGP-KM-BKM-NR10-EXE4	NonSpecific	9	492373	1818	1416	0.51954	0.0129	0.00233	0.004926
	ChIP-Seq	$\frac{137}{7}$	478858	5201	11420	0.48402	0.02197	0.00162	0.025665
CGP-KM-BKM-NR10-EXE5	STRING Non-Specific	$7 \\ 7$	$492298 \\ 492244$	1947	$1364 \\ 1418$	0.52911	$0.03077 \\ 0.01282$	0.00098 0.00083	0.003582
CGP-KM-DKM-NK10-EAE3	NonSpecific ChIP-Seq	$\frac{7}{171}$	492244	$1947 \\ 7173$	11386	$0.51971 \\ 0.48362$	0.01282 0.02195	-3e-05	0.003582 0.023284
	STRING	9	491960	$\frac{7175}{2285}$	1362	0.48302 0.529	0.02193 0.03048	0.0015	0.023234 0.003923
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	10	491907	2284	1415	0.529	0.03048 0.01289	0.0013 0.00189	0.003323 0.004359
COT THE BOST B THEFT BEET	ChIP-Seq	86	479974	4085	11471	0.4835	0.01209	-0.00165	0.020619
	STRING	8	492524	1721	1363	0.53002	0.03062	0.0021	0.004627
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	6	492468	1723	1419	0.52044	0.01277	0.00066	0.00347
	ChIP-Seq	62	482228	1831	11495	0.48447	0.02212	0.00387	0.032752
	STRING	3	491935	2310	1368	0.52956	0.0302	-0.00192	0.001297
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	5	491883	2308	1420	0.521	0.0128	-0.00091	0.002162
	ChIP-Seq	64	478267	5792	11493	0.48254	0.022	-0.00898	0.010929
	STRING	2	491789	2456	1369	0.52844	0.02967	-0.00263	0.000814
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	8	491741	2450	1417	0.52054	0.01266	0.0005	0.003255
	ChIP-Seq	41	479817	4242	11516	0.48071	0.02185	-0.0085	0.009573
CCD KM DCCDD ND10 EVE	STRING NonSpecific	5 4	491999	2246	1366	0.52851	0.02943	-0.0007	0.002221
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{4}{53}$	$491944 \\ 478501$	$2247 \\ 5558$	$1421 \\ 11504$	$0.52052 \\ 0.47817$	$\begin{array}{c} 0.01259 \\ 0.02164 \end{array}$	-0.00138 -0.00984	0.001777 0.009446
	onn -seq	00	71000T	9990	11004	0.41011	0.04104	-0.00304	0.003440

Tabela 27: Tabular results for mHSC-GM problem considering the 500TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	53	397981	695	695	0.53288	0.11781	0.06911	0.070856
PIDC	NonSpecific	30	397970	712	712	0.51884	0.06319	0.03864	0.040431
	ChIP-Seq	101	384797	7263	7263	0.49754	0.01707	-0.00481	0.013715
CIENTIES	STRING	54	397982	694	694	0.54231	0.10488	0.07045	0.072193
GENIE3	NonSpecific	29 72	397969	713	713	0.52305	0.05572	0.0373	0.039084
	ChIP-Seq STRING	73 53	384767 397981	$7293 \\ 695$	$7291 \\ 695$	$0.49524 \\ 0.54528$	0.01598 0.1047	-0.00869 0.06911	0.00991 0.070856
GRNBOOST2	NonSpecific	31	397971	711	711	0.54528 0.52492	0.1047 0.05764	0.00911 0.04	0.070830 0.041779
GIIIDOOS12	ChIP-Seq	111	384807	7253	7253	0.32492 0.49587	0.03704 0.01682	-0.00343	0.041779 0.015073
	STRING	0	397931	745	748	0.54497	0.01002	-0.00187	0.010010
SINCERITIES	NonSpecific	0	397943	739	742	0.52445	0	-0.00186	0.0
	ChIP-Seq	91	384867	7193	7273	0.49285	0.01653	-0.00602	0.012357
	STRING	1	397929	747	747	0.5426	0.07733	-0.00054	0.001337
PPCOR	NonSpecific	1	397941	741	741	0.52272	0.03512	-0.00051	0.001348
	ChIP-Seq	65	387513	4547	7299	0.49084	0.01636	-0.00349	0.014094
	STRING	13	390812	7864	735	0.54354	0.07293	-0.00073	0.00165
CGP-DSSPD-NR5-EXE1	NonSpecific	14	390819	7863	728	0.52296	0.03145	-0.00026	0.001777
	ChIP-Seq	148	384331	7729	7216	0.49051	0.01688	0.00037	0.018789
CGP-DSSPD-NR5-EXE2	STRING	13	390991	7685	$735 \\ 729$	0.54447	0.06946	-0.0006	0.001689
CGP-D55PD-NR5-EAE2	NonSpecific ChIP-Seq	$\frac{13}{121}$	390997 384483	$7685 \\ 7577$	7243	$0.52258 \\ 0.48907$	$0.02872 \\ 0.01697$	-0.00055 -0.00283	$0.001689 \\ 0.015718$
	STRING	15^{121}	390937	7739	733	0.48357	0.01097 0.06571	0.00283	0.013718 0.001934
CGP-DSSPD-NR5-EXE3	NonSpecific	$\frac{10}{14}$	390942	7740	728	0.5215	0.02635	-0.00017	0.001304 0.001806
Car Basi B 1110 Enes	ChIP-Seq	129	384435	7625	7235	0.48826	0.01711	-0.00188	0.016637
	STRING	5	391037	7639	743	0.5432	0.06276	-0.00394	0.000654
CGP-DSSPD-NR5-EXE4	NonSpecific	13	391051	7631	729	0.52188	0.02541	-0.00051	0.001701
	ChIP-Seq	120	384536	7524	7244	0.48688	0.01712	-0.00284	0.015699
	STRING	14	391065	7611	734	0.54305	0.06048	-0.00012	0.001836
CGP-DSSPD-NR5-EXE5	NonSpecific	13	391070	7612	729	0.52151	0.02428	-0.00049	0.001705
	ChIP-Seq	127	384562	7498	7237	0.48668	0.01728	-0.00185	0.016656
	STRING	5	397167	1509	743	0.54359	0.05944	0.00204	0.003303
CGP-DSSPD-NR10-EXE1	NonSpecific	2	397170	1512	740	0.52054	0.02314	-0.00077	0.001321
	ChIP-Seq	30	390516	1544	7334	0.48692	0.01737	0.00029	0.01906
CGP-DSSPD-NR10-EXE2	STRING	$\frac{2}{2}$	397146	$1530 \\ 1530$	$746 \\ 740$	0.54342	$0.05791 \\ 0.02259$	-0.00081	0.001305
CGP-D55PD-NR10-EAE2	NonSpecific ChIP-Seq	$\frac{2}{19}$	397152 390410	1650	7345	$0.52036 \\ 0.48625$	0.02259 0.01731	-0.0008 -0.0034	$0.001305 \\ 0.011384$
	STRING	2	397184	1492	746	0.48025 0.54327	0.01731 0.0567	-0.0034	0.011384 0.001339
CGP-DSSPD-NR10-EXE3	NonSpecific	0	397188	1494	742	0.51961	0.0001	-0.00264	0.001000
	ChIP-Seq	$\frac{1}{2}$	390505	1555	7342	0.48598	0.01732	-0.0021	0.013951
	STRING	4	397102	1574	744	0.54435	0.05595	0.00097	0.002535
CGP-DSSPD-NR10-EXE4	NonSpecific	6	397110	1572	736	0.52008	0.02165	0.00284	0.003802
	ChIP-Seq	11	390366	1694	7353	0.48466	0.01717	-0.00583	0.006452
	STRING	0	397129	1547	748	0.54351	0	-0.0027	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	1	397136	1546	741	0.51983	0.0213	-0.00175	0.000646
	ChIP-Seq	35	390482	1578	7329	0.48538	0.01731	0.00154	0.021699
GGD RW DRW ND10 EVE1	STRING	3	397488	1188	745	0.54397	0.05344	0.00082	0.002519
CGP-KM-BKM-NR10-EXE1	NonSpecific ChIP-Seq	$\frac{1}{62}$	397492 386978	$\frac{1190}{5082}$	$741 \\ 7302$	$0.5195 \\ 0.48377$	0.021 0.01723	-0.00129 -0.00542	$0.00084 \\ 0.012053$
	STRING	8	397528	1148	7302	0.48377 0.54482	0.01725 0.05348	0.00629	0.012035 0.00692
CGP-KM-BKM-NR10-EXE2	NonSpecific	6	397532	1150	736	0.54402 0.52105	0.03348 0.02144	0.00023 0.00417	0.00032 0.00519
	ChIP-Seq	48	386640	5420	7316	0.48114	0.01705	-0.00846	0.008778
	STRING	$\overline{4}$	397875	801	744	0.54507	0.05326	0.00322	0.004969
CGP-KM-BKM-NR10-EXE3	NonSpecific	1	397878	804	741	0.52048	0.02112	-0.00064	0.001242
	ChIP-Seq	50	386790	5270	7314	0.47827	0.01684	-0.00781	0.009398
	STRING	6	397687	989	742	0.54663	0.05257	0.00481	0.00603
CGP-KM-BKM-NR10-EXE4	NonSpecific	3	397690	992	739	0.52195	0.02178	0.00134	0.003015
	ChIP-Seq	49	387550	4510	7315	0.47721	0.01682	-0.00614	0.010748
CCD I/M DI/M ND40 DVD*	STRING	3	397913	763	745	0.54624	0.05151	0.00207	0.003916
CGP-KM-BKM-NR10-EXE5	NonSpecific	4	397920	762	738	0.52295	0.02146	0.00343	0.005222
	ChIP-Seq STRING	$\frac{120}{4}$	386773 397156	$5287 \\ 1520$	7244 744	$0.47822 \\ 0.54614$	0.01702 0.05099	0.00327 0.00108	$\begin{array}{c} 0.022193 \\ 0.002625 \end{array}$
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	$\frac{4}{2}$	397160	1520 1522	$744 \\ 740$	0.54014 0.52278	0.03099 0.02131	-0.00108	0.002023 0.001312
CGI -KWI-DGGI D-IVIQIO-EXEI	ChIP-Seq	$\frac{2}{41}$	390218	1842	7323	0.47892	0.02131 0.01713	0.00171	0.001312 0.021774
	STRING	2	397147	1529	746	0.54521	0.04986	-0.00081	0.001306
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	3	397154	1528	739	0.52263	0.02113	0.00015	0.001960
	ChIP-Seq	42	390266	1794	7322	0.47956	0.01722	0.00224	0.022876
	STRING	3	397265	1411	745	0.5452	0.0495	0.00034	0.002122
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	4	397272	1410	738	0.52313	0.02119	0.00134	0.002829
	ChIP-Seq	41	390345	1715	7323	0.47999	0.01728	0.00243	0.023349
	STRING	6	397246	1430	742	0.54569	0.04913	0.0032	0.004178
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	6	397252	1430	736	0.52366	0.0211	0.00324	0.004178
	ChIP-Seq	28	390291	1769	7336	0.47955	0.01725	-0.00143	0.015582
CCD VM DCCDD ND40 DVE	STRING	6	397125	1551	742	0.54766	0.04949	0.00287	0.003854
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	6	397131	1551	736 7244	0.52484	0.02138	0.0029	0.003854 0.010834
	ChIP-Seq	20	390234	1826	7344	0.47875	0.01718	-0.00385	0.010834

Tabela 28: Tabular results for mHSC-L problem considering the 500TF configuration with self-loop.

INTIMESTRING (ALP-SAME) (ALP-SAME	Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
CHP SO CHP S										
CRIBLIOSSTHINC LOFE LO	PIDC	-								
GPMPSNosport (P) (F) 										
ChiP-No 	CENIE3									
CRINIOG CRINIOGRA CR	GENIES									
CHIP-900 A STEAM CHIP-900 A STEAM										
NAME NAME NAME NAME NAME NAME NAME NAME	GRNBOOST2									
STEINCE No. No.Specific 1		-								
PATE PATE										
PROPOR STRING 10 31341 20 -0,000 0 10 10 10 20 0 10	SINCERITIES			313076	245			0	-0.00083	
PMOOR										
CP CP CP CP CP CP CP CP	PROCE									
CPP-DSSPI-NR3-EXE1 STRING 1 0,00064 6291 373 0.7298 0.1463 0.00059 0.000598 0	PPCOR									
CP-DSSPD-NR5-EXEL CNIP-Seq (1) 60 0.0600 mode 6100 mode 6000 mode 0.0000 mode 0.00000 mode 0.0000 mode 0.0000 mode										
CAPP PSSPD-NR5-EXE2 CAPP SSPD-NR5-EXE2 CAPP SSPD-NR5-EXE2 CAPS SSPD-NR5-EXE2 CAPS SSPD-NR5-EXE2 CAPS SSPD-NR5-EXE2 CAPS SSPD-NR5-EXE3 CAPS SSPD-NR5-EXE3 CAPP SSPD-NR5-EXE3 CAPS SSPD-NR5-EXE3 CAP SSPD-NR5-EXE3 CAP SSPD-NR5-EXE3 CAP SSPD-NR5-EXE3 CAP SSPD-NR5-EXE4 CAP SSPD-NR5-EX	CGP-DSSPD-NR5-EXE1									
CGP-DSSPD-NR1-EXE2 NonSpecies 7	CGI ESSI E MIO EMEI									
GP-DSSPD-NR5-EXEP NonSpecils (LiP-Seq ChiP-Seq ChiP-										
CP-PSSPD-NR5-EXE3 STRING 2 3065 616 428 3055 0.759 0.1412 0.0037 0.0038 0.00	CGP-DSSPD-NR5-EXE2									
GP-DSSPD-NR5-EXEM Non-Special Clip-Sep (1) 6 3085 607 21 0.004 0.0019		ChIP-Seq		302653	6549	4323	0.49352	0.01454	-0.00337	0.011322
CP-DSSPD-NR5-EXEM					6670					
CGP-DSSPD-NR5-EXEA KIRING 44 306486 6977 13 0.7575e 0.00375 0.000055 0.000055 0.000055 0.000055 0.000055 0.000055 0.000055 0.000055 0.000055 0.000050 0.00104 0.00104 0.0114 0.00104 0.00104 0.00104 0.00104 0.00104 0.00104 0.00104 0.00105 0.00104 0.00105 0.00104 0.00105 0.00104 0.00105 0.00105 0.00104 0.00105 0.00105 0.00105 0.00105 0.00105 0.00103	CGP-DSSPD-NR5-EXE3	_								
CPP-DSSPD-NR5-EXEM MonSpecifie CallP-See 80 30203 6004 418 60,0002 00,0002 00,0003<										
CP-PSSPD-NR16-EXE)	CCD DCCDD NDT EYE4									
CGP-DSSPD-NR3-EXED STRING 3 306527 60348 134 0.57556 0.14092 3-000085 0.00012 CGP-DSSPD-NR10-EXE1 NonSpecific 2 302370 832 219 1.07 0.01412 0.01401 0.00179 0.01582 CGP-DSSPD-NR10-EXE1 NonSpecific 1 31219 1324 137 0.57539 0.0143 0.00148 0.01682 CGP-DSSPD-NR10-EXE2 NonSpecific 1 312009 1312 278 0.52516 0.0146 0.00241 0.01832 CGP-DSSPD-NR10-EXE2 NonSpecific 1 312009 1312 278 0.52516 0.0146 0.00241 0.01831 CGP-DSSPD-NR10-EXE4 NonSpecific 3 312076 128 279 0.52476 0.00140 0.00841 CGP-DSSPD-NR10-EXE4 NonSpecific 3 312179 1284 134 0.5753 0.1385 0.00241 0.00318 CGP-DSSPD-NR10-EXE4 NonSpecific 3 312179 1284 1349	CGP-D55PD-NR5-EXE4									
CP-DSSPD-NR5-EXE5 NonSpecific 5 (1) 5 (2) 306387 (38) 274 (32) 0.0303 (3) 0.00173 (0.012) 0.0154 (0.012) 0.0154 (0.012) 0.0154 (0.012) 0.0154 (0.012) 0.00133 (0.0012) 0.00133 (0.0012) 0.00133 (0.0012) 0.00158 (0.0012) 0.00158 (0.0012) 0.00158 (0.0012) 0.00158 (0.0012) 0.00158 (0.0012) 0.00162 (0.0012) 0.00158 (0.0012) <td></td>										
CHP-Seq	CGP-DSSPD-NR5-EXE5									
CGP-DSSPD-NR10-EXE1 STRING 0 312199 126 277 0.57589 0 -0.0138 0.0158 CGP-DSSPD-NR10-EXE2 NonSpecific STRING 1 312151 1312 136 0.457539 0.1047 0.00035 0.01462 CGP-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 25 307862 134 4378 0.49258 0.01480 0.00072 0.00762 CGP-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 25 307862 134 4373 0.49228 0.01480 0.00133 0.0 CGP-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 20 30780 1297 4378 0.49263 0.0148 0.00133 0.0 CGP-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 43 312038 1284 134 0.5733 0.1385 0.00582 0.00383 CGP-DSSPD-NR10-EXE4 NonSpecific Pice 43 312038 1284 134 0.5743 0.1349 0.00141 0.00141 CGP-DSSPD-NR10-EXE4 NonSpecific Pice 31 312131 </td <td></td>										
ChIP-Seq 20 307857 134 4378 0.41953 0.01405 0.000762 CGP-DSSPD-NR10-EXE2 NonSpecific 1 312051 1312 278 0.52516 0.1303 0.00101 0.000762 CGP-DSSPD-NR10-EXE3 NonSpecific 2 307862 128 137 0.52316 0.0136 0.0013 0.01 CGP-DSSPD-NR10-EXE3 NonSpecific 3 312061 128 137 0.52477 0 -0.0133 0.0 CGP-DSSPD-NR10-EXE4 NonSpecific 3 31203 1283 1283 137 0.52477 0 -0.0183 0.0 CGP-DSSPD-NR10-EXE4 NonSpecific 4 312038 1283 275 0.5261 0.0333 0.00478 0.00418 CGP-DSSPD-NR10-EXE4 NonSpecific 2 31293 88 134 0.57437 0.1349 0.00524 0.001415 CGP-DSSPD-NR10-EXE4 NonSpecific 3 312375 88 134 0.5747 0.1345 0.			0	312199	1264	137	0.57539	0	-0.00133	0.0
CGP-DSSPD-NR10-EXE2 STRING 1 31215 1312 136 0.52516 0.03426 0.000762 0.000762 CGP-DSSPD-NR10-EXE3 NonSpecific of Direction (Procession) 2 307862 1340 4373 0.9228 0.01466 0.00214 0.01831 CGP-DSSPD-NR10-EXE3 NonSpecific of Direction (Procession) 3 1206 1258 279 0.52477 0 0.00183 0.00183 CGP-DSSPD-NR10-EXE4 ChiP-Seq 3 312078 1297 1378 0.49263 0.01404 0.00054 0.015186 CGP-DSSPD-NR10-EXE4 NonSpecific of ChiP-Seq 6 312037 1283 275 0.5261 0.03338 0.00473 0.003108 CGP-DSSPD-NR10-EXE5 MonSpecific of ChiP-Seq 1 312075 1485 433 0.01473 0.00524 0.001415 CGP-SSPD-NR10-EXE5 NonSpecific of ChiP-Seq 1 312575 888 134 0.473 0.00249 0.00241 CGP-SSPD-NR10-EXE5 NonSpecific of ChiP-Seq 1 31215 <td>CGP-DSSPD-NR10-EXE1</td> <td></td> <td>2</td> <td></td> <td>1262</td> <td></td> <td></td> <td>0.0355</td> <td>0.00148</td> <td>0.001582</td>	CGP-DSSPD-NR10-EXE1		2		1262			0.0355	0.00148	0.001582
CP-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 25 307862 3140 3120 1312 373 3738 3738 3738 3738 3738 3738 3738										
CHIP-Seq 25 307862 1.34 4.373 0.49228 0.0146 0.00131 0.0181 CGP-DSSPD-NRI0-EXEA TRING 0 312063 1258 279 0.52477 0 -0.01033 0.01 CGP-DSSPD-NRI0-EXEA Post Only Serial 20 312063 1258 279 0.52477 0 0.00180 0.00180 CGP-DSSPD-NRI0-EXEA Post Only Serial 4 312038 1283 275 0.5261 0.03388 0.00478 0.003108 CGP-DSSPD-NRI0-EXEA ChilP-Seq 6 307871 1485 335 0.49123 0.01473 0.00528 0.001415 CGP-DSSPD-NRI0-EXEA NonSpecific 3 311913 1408 256 0.57526 0.03333 0.00279 0.002145 CGP-DSSPD-NRI0-EXEA NonSpecific 1 312575 888 134 0.4794 0.01433 0.00274 0.00243 CGP-KM-BKM-NRI0-EXEA NonSpecific 1 312458 1005 135 0.57461 <t< td=""><td>GGD DGGDD MD40 TWD0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	GGD DGGDD MD40 TWD0									
CGP-DSSPD-NR10-EXEJ STRING (ChIP-Seq (ChIP-Seq (ChIP-Seq) 12 1258 (20) 1275 (20) 1258 (20) 1258 <td>CGP-DSSPD-NR10-EXE2</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	CGP-DSSPD-NR10-EXE2	-								
CGP-DSSPD-NRI0-EXE3 NonSpecific OLIP-Seq 20 1000000 1297 4378 0.52477 0.0046 0.0064 0.015186 0.015186 0.005230 0.015186 0.005230 0.015186 0.005230 0.005										
CHP-Seq 20 307005 1297 4378 0.49263 0.10494 0.00564 0.01318 CGP-DSSPD-NR10-EXE4 PM NonSpecifie 4 31203 1283 275 0.5261 0.03338 0.00478 0.00318 CGP-DSSPD-NR10-EXE4 PM NonSpecifie 3 31913 1409 135 0.1474 0.00318 0.00417 CGP-DSSPD-NR10-EXE5 PM NonSpecifie 3 311913 1409 135 0.1474 0.00237 0.00117 CGP-DSSPD-NR10-EXE5 PM NonSpecifie 3 311913 1408 276 0.52563 0.03233 0.0121 CGP-KM-BKM-NR10-EXE1 PM NonSpecifie 2 312435 88 134 0.1474 0.1323 0.0024 0.00367 CGP-KM-BKM-NR10-EXE1 PM NonSpecifie 1 312315 100 136 0.5416 0.1148 0.0014 0.0024 0.00244 CGP-KM-BKM-NR10-EXE2 PM NonSpecifie 2 312315 100 278 0.52516 0.3148 0.0024	CGP-DSSPD-NR10-EXE3									
CGP-DSSPD-NR10-EXE4 KTRING 3 312179 1284 134 0.7553 0.13856 0.00528 0.003318 CGP-DSSPD-NR10-EXE4 NonSpecifie 6 310383 1323 4392 0.4912 0.01417 -0.00528 0.003108 CGP-DSSPD-NR10-EXE5 NonSpecifie 2 312054 1408 2.55 0.3233 0.00219 0.00117 CGP-DSSPD-NR10-EXE5 NonSpecifie 15 307171 1485 4883 0.49068 0.01473 -0.00279 0.00216 CGP-KM-BKM-NR10-EXE1 NonSpecifie 2 312575 888 134 0.5747 0.13351 0.00243 0.00243 CGP-KM-BKM-NR10-EXE1 NonSpecifie 1 312432 889 277 0.52529 0.03166 0.00243 0.00243 CGP-KM-BKM-NR10-EXE2 NonSpecifie 1 312458 1005 136 0.57461 0.1384 0.00214 0.00994 CGP-KM-BKM-NR10-EXE2 NonSpecifie 1 31235 105 15761 <td< td=""><td>COT DOST D TITLE EALS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	COT DOST D TITLE EALS									
CHP-Seq 6 307879 1323 4392 0.49123 0.01477 0.00208 0.004117 CGP-DSSPD-NR10-EXE5 57RING 2 31205 1.09 135 0.07487 0.02126 0.00212 CHP-Seq 15 30717 1485 438 0.4968 0.0143 0.00203 0.00214 CGP-KM-BKM-NR10-EXE1 NonSpecific 2 31243 889 134 0.5747 0.1356 0.00243 0.00245 CGP-KM-BKM-NR10-EXE1 NonSpecific 1 31248 105 1.55 0.0145 0.0060 0.00861 CGP-KM-BKM-NR10-EXE2 NonSpecific 1 31245 100 1.55 0.5510 0.0143 0.0020 0.008961 CGP-KM-BKM-NR10-EXE2 NonSpecific 1 31245 100 1.5746 0.1328 0.0010 0.00999 CGP-KM-BKM-NR10-EXE3 NonSpecific 1 31235 105 1.5546 0.1328 0.0142 0.00999 CGP-KM-BKM-NR10-EXE3 NonSpecific<										
CGP-DSSPD-NR10-EXE5 KTRING 2 31204 1409 135 0.7487 0.1349 0.00315 0.01117 CGP-DSSPD-NR10-EXE5 ChiP-Seq 3 311913 1408 276 0.52563 0.02333 0.00279 0.00216 CGP-KM-BKM-NR10-EXE1 ChiP-Seq 3 312575 88 134 0.5747 0.13351 0.00749 0.003367 CGP-KM-BKM-NR10-EXE1 ChiP-Seq 46 303313 5271 0.52529 0.03166 0.00243 0.00242 CGP-KM-BKM-NR10-EXE2 ChiP-Seq 46 30331 5271 0.52529 0.03136 0.0024 0.008615 CGP-KM-BKM-NR10-EXE2 ChiP-Seq 4 31248 1005 278 0.52517 0.03143 0.0021 0.00999 CGP-KM-BKM-NR10-EXE3 Park A 30608 313 130 0.4896 0.0148 0.0021 0.00198 CGP-KM-BKM-NR10-EXE4 Park 57 30516 302 278 0.52505 0.3121 0.0041<	CGP-DSSPD-NR10-EXE4	NonSpecific			1283	275	0.5261	0.03338	0.00478	0.003108
CGP-DSSPD-NR10-EXE5 NonSpecific ChIP-Seq (15) 307717 1485 4383 0.49068 0.01473 -0.00237 0.01 CMP-Seq (15) 307717 1485 4383 0.49068 0.01473 -0.00237 0.01 COM-TOWN COLLEGA (15) 307717 1485 4383 0.49068 0.01473 -0.00237 0.01 COM-TOWN COLLEGA (15) 307717 1485 4383 0.49068 0.01473 0.002367 0.01 COM-TOWN COLLEGA (15) 307717 0.485 0.4906 0.01473 0.002367 0.00										
CHP-Seq 15 307717 1485 4383 0.49068 0.01473 -0.00237 0.01361 CGP-KM-BKM-NR10-EXEI PARM-Specific 2 312575 888 134 0.5747 0.13351 0.00243 0.003367 CGP-KM-BKM-NR10-EXEI PARM-SPARIA 46 303931 527 4552 0.52529 0.01165 -0.006 0.008661 CGP-KM-BKM-NR10-EXE2 PARM-SPARIA 1 312458 1005 136 0.57461 0.13284 0.00151 0.000994 CGP-KM-BKM-NR10-EXE2 PARM-SPARIA 57RING 2 312458 1005 135 0.57461 0.13284 0.00124 0.011487 CGP-KM-BKM-NR10-EXE4 NonSpecific 1 312315 106 25 0.52508 0.03127 0.0020 0.001989 CGP-KM-BKM-NR10-EXE4 NonSpecific 1 312385 936 278 0.52608 0.03121 0.0003 0.01689 CGP-KM-BKM-NR10-EXE4 NonSpecific 2 312286 1035 13										
CGP-KM-BKM-NR10-EXEI KORSPECIBLE VORDSPCIBLE 3 312575 888 134 0.5747 0.13351 0.00749 0.003367 CGP-KM-BKM-NR10-EXEI NonSpecific 2 312432 889 277 0.52529 0.03166 0.00243 0.002245 CGP-KM-BKM-NR10-EXE2 NonSpecific 1 312416 1005 136 0.57461 0.13284 0.00094 0.000994 CGP-KM-BKM-NR10-EXE2 NonSpecific 2 312416 1005 135 0.57461 0.03143 0.0002 0.000994 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 312458 1005 135 0.57461 0.13284 0.0041 0.001986 CGP-KM-BKM-NR10-EXE3 NonSpecific 1 312385 936 278 0.52508 0.03127 0.0002 0.001989 CGP-KM-BKM-NR10-EXE4 NonSpecific 1 312385 936 278 0.52505 0.03121 0.00034 0.001199 CGP-KM-BKM-NR10-EXE4 NonSpecific 1 312285 <t< td=""><td>CGP-DSSPD-NR10-EXE5</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	CGP-DSSPD-NR10-EXE5	_								
CGP-KM-BKM-NR10-EXE1 NonSpecific ChIP-Seq (A) 312432 889 277 0.52529 0.03166 0.00243 0.00243 CGP-KM-BKM-NR10-EXE2 STRING 1 312458 1005 2.5 0.57416 0.13284 0.0015 0.000994 CGP-KM-BKM-NR10-EXE2 NonSpecific 1 312316 1005 278 0.52517 0.03143 0.0002 0.000994 CGP-KM-BKM-NR10-EXE2 NonSpecific 2 312458 1005 278 0.52517 0.03143 0.00024 0.010996 CGP-KM-BKM-NR10-EXE3 NonSpecific 3 312458 100 135 0.57461 0.13284 0.0021 0.001998 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 312315 100 2.57505 0.01484 -0.0049 0.01288 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 13 312385 313 0.57461 0.13284 0.00413 0.00193 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 312328 135 135 0.57461 0.13284 0.00413 0.011901 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
CGP-KM-BKM-NR10-EXE2 ChiP-Seq (1) 46 (2) 303931 5271 4352 0.48812 0.01453 -0.006 0.008691 CGP-KM-BKM-NR10-EXE2 NonSpecific (1) 312316 1005 278 0.52517 0.03143 0.00029 0.000999 CGP-KM-BKM-NR10-EXE3 NonSpecific (1) 306168 3034 434 0.48968 0.0148 0.00294 0.017487 CGP-KM-BKM-NR10-EXE3 NonSpecific (1) 312315 1006 278 0.52508 0.03127 0.00294 0.01988 CGP-KM-BKM-NR10-EXE3 NonSpecific (2) 312315 1006 278 0.52508 0.03127 0.00029 0.01988 CGP-KM-BKM-NR10-EXE4 NonSpecific (2) 312288 936 278 0.52505 0.03121 0.00043 0.01189 CGP-KM-BKM-NR10-EXE4 NonSpecific (2) 312288 1035 135 0.57461 0.13284 0.00110 0.01309 CGP-KM-BKM-NR10-EXE4 NonSpecific (2) 312288 1035 135 0.52496 0.03106 0.0014	CCP KM BKM NR10 EYE1									
CGP-KM-BKM-NR10-EXE2 KTRING 1 312458 1005 218 0.57461 0.13284 0.00151 0.000994 CGP-KM-BKM-NR10-EXE2 NonSpecific ChIP-Seq 4 312416 1005 278 0.52517 0.03143 0.00294 0.001996 CGP-KM-BKM-NR10-EXE3 ChIP-Seq 4 306168 304 4344 0.48968 0.0148 0.00294 0.01986 CGP-KM-BKM-NR10-EXE3 NonSpecific ChIP-Seq 4 312315 1006 278 0.52508 0.03127 0.0002 0.00993 CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq 2 312385 336 278 0.52508 0.03127 0.0003 0.01288 CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq 3 312385 366 278 0.52505 0.03124 0.00103 0.01389 CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq 3 312428 1035 277 0.52606 0.03104 0.001190 CGP-KM-BKM-NR10-EXE5 NonSpecific ChIP-Seq 3 312169	CGI -RM-BRM-NI(10-EAE1	_								
CGP-KM-BKM-NR10-EXE2 NonSpecific (LIP-Seq 54) 312316 1005 278 0.52517 0.03143 0.0002 0.000994 CAIP-Seq 61 54 306168 3034 4344 0.48968 0.0148 0.00294 0.017487 CAP-KM-BKM-NR10-EXE3 NonSpecific (LIP-Seq 64) 312315 1006 278 0.52508 0.03127 0.0002 0.000993 CAP-KM-BKM-NR10-EXE4 NonSpecific (LIP-Seq 64) 312315 1366 278 0.52505 0.03124 0.0043 0.00148 CAP-KM-BKM-NR10-EXE4 NonSpecific (LIP-Seq 74) 312385 935 135 0.57461 0.13284 0.00445 0.00134 CAP-KM-BKM-NR10-EXE4 NonSpecific 74 312186 1035 135 0.57461 0.13284 0.00141 0.00167 CAP-KM-BKM-NR10-EXE5 NonSpecific 75 312286 1035 135 0.57461 0.13284 0.00114 0.001392 CAP-KM-BKM-NR10-EXE5 NonSpecific 75 312286 1035 0.57461 0.13244 0.00141 0.001392 <td></td>										
CGP-KM-BKM-NR10-EXE3 ChiP-Seq STRING STRING 306168 S13458 3034 S1458 S1050 S135 S157661 0.0148 O.00294 O.0017487 0.01484 O.00421 O.001986 0.01484 O.00421 O.001986 0.01484 O.00421 O.001986 0.00293 O.00993 O.00993 O.00993 O.001886 0.002134 O.00186 0.002134 O.002134 O.0022 O.00993 O.00993 O.001888 O.001484 O.00484 O.00488 O.00445 O.002134 O.0	CGP-KM-BKM-NR10-EXE2									
CGP-KM-BKM-NR10-EXE3 NonSpecific ChIP-Seq (AI) 312315 1006 278 0.52508 0.03127 0.0002 0.000993 CGP-KM-BKM-NR10-EXE4 ChIP-Seq (AI) 312362 3140 4357 0.4896 0.01484 -0.00098 0.012889 CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq (AI) 312385 936 278 0.52505 0.03121 0.00033 0.00143 CGP-KM-BKM-NR10-EXE4 NonSpecific STRING 2 312385 936 278 0.52505 0.03101 0.00031 0.013892 CGP-KM-BKM-NR10-EXE5 NonSpecific STRING 2 312286 1035 277 0.52496 0.03106 0.00131 0.01992 CGP-KM-BKM-NR10-EXE5 NonSpecific STRING 2 312286 1035 277 0.52496 0.03106 0.00191 0.01190 CGP-KM-DSSPD-NR10-EXE1 NonSpecific STRING 4 312029 1292 275 0.5264 0.03148 0.00475 0.03086 CGP-KM-DSSPD-NR10-EXE4 NonSpecific STRING 312205 1256		_	54	306168	3034	4344	0.48968	0.0148	0.00294	0.017487
CGP-KM-DSSPD-NR10-EXE4 ChIIP-Seq (DIP-Seq (D			2							
CGP-KM-BKM-NR10-EXE4 STRING 2 312528 935 135 0.57461 0.13284 0.00445 0.002134 CGP-KM-BKM-NR10-EXE4 NonSpecific 1 312385 936 278 0.52505 0.03121 0.00033 0.01067 CGP-KM-BKM-NR10-EXE5 5TRING 2 312428 1035 135 0.57461 0.13284 0.00411 0.001929 CGP-KM-BKM-NR10-EXE5 NonSpecific 2 312286 1035 277 0.52496 0.03106 0.00201 0.001929 CGP-KM-BKM-NR10-EXE5 NonSpecific 4 312286 135 0.57825 0.13679 0.00119 0.001929 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 4 312029 1294 135 0.57825 0.13679 0.00341 0.00153 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 4 312029 1292 275 0.52646 0.01140 0.00163 0.01686 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 0 312065 1256 1279	CGP-KM-BKM-NR10-EXE3	_								
CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq ChIP-Seq S7 305156 4046 4341 0.49041 0.01501 -0.00013 0.013892 CGP-KM-BKM-NR10-EXE5 NonSpecific STRING 2 312428 1035 135 0.57461 0.13284 0.00411 0.001929 CGP-KM-BKM-NR10-EXE5 NonSpecific STRING 2 312286 1035 277 0.52496 0.03106 0.00201 0.001929 CGP-KM-DSSPD-NR10-EXE1 NonSpecific STRING 2 312169 1294 135 0.57825 0.1360 0.00195 0.011929 CGP-KM-DSSPD-NR10-EXE1 NonSpecific A 312029 1292 275 0.5264 0.03148 0.00475 0.03086 CGP-KM-DSSPD-NR10-EXE2 NonSpecific A 312207 1256 137 0.57808 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE2 NonSpecific A 312206 1256 279 0.52606 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE3 NonSpecific A 312216 1247 136 0.57791										
CHIP-Seq 57 305156 4046 4341 0.49041 0.01501 -0.0013 0.013892 CGP-KM-BKM-NR10-EXE5 NonSpecific 2 312428 1035 135 0.57461 0.13284 0.00411 0.001929 CGP-KM-BKM-NR10-EXE5 NonSpecific 2 312286 1035 277 0.52496 0.03106 0.00101 0.001929 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 2 312169 1294 135 0.49008 0.01505 -0.00195 0.011901 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 4 312029 1292 275 0.5264 0.03148 0.00475 0.003086 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 4 312029 1292 275 0.5264 0.03148 0.00463 0.016866 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 0 312207 1256 137 0.57606 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 1 31226 1247 136	CCD KM DKM ND10 EYE4									
CGP-KM-BKM-NR10-EXE5 STRING 2 312428 1035 135 0.57461 0.13284 0.00411 0.001929 CGP-KM-BKM-NR10-EXE5 NonSpecific ChIP-Seq 43 305632 3570 4355 0.49008 0.01505 -0.00195 0.011901 CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 2 312169 1294 135 0.57825 0.13679 0.00341 0.001543 CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 24 307803 1399 4374 0.49084 0.01514 0.00163 0.016866 CGP-KM-DSSPD-NR10-EXE2 NonSpecific STRING 0 312207 1256 137 0.57808 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE2 NonSpecific STRING 1 312216 1256 279 0.52606 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING 1 312216 1247 136 0.57791 0.13412 0.0011 0.003205 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING <th< td=""><td>CGF-RM-DRM-NRI0-EAE4</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	CGF-RM-DRM-NRI0-EAE4	_								
CGP-KM-BKM-NR10-EXE5 NonSpecific ChIP-Seq 43 312286 1035 277 0.52496 0.03106 0.00201 0.001929 ChIP-Seq 43 305632 3570 4355 0.49008 0.01505 -0.00195 0.011901 CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 2 312169 1294 135 0.57825 0.13679 0.00341 0.001543 CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 24 307803 1399 4374 0.49084 0.01514 0.00163 0.016866 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 1 312207 1256 137 0.57808 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 18 307847 1355 4380 0.49108 0.01518 -0.00052 0.01311 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 2 307803 1399 4378 0.49102 0.01518 4e-05 0.014094 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 0		•								
CGP-KM-DSSPD-NR10-EXE1 ChiP-Seq (DIP-Seq) 43 305632 (DIP-Seq) 3570 (DIP-Seq) 0.49008 (DIP-Seq) -0.00195 (DIP-Seq) 0.001543 (DIP-Seq) 0.00163 (DIP-Seq)	CGP-KM-BKM-NR10-EXE5									
CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 4 312029 1292 275 0.5264 0.03148 0.00475 0.003086 ChIP-Seq 24 307803 1399 4374 0.49084 0.01514 0.00163 0.016866 STRING 0 312207 1256 137 0.57808 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 18 307847 1355 4380 0.49108 0.01518 -0.00052 0.01311 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING 1 312216 1247 136 0.57791 0.13412 0.0011 0.000801 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING 4 312077 1244 275 0.52733 0.03106 0.00491 0.003205 CGP-KM-DSSPD-NR10-EXE4 NonSpecific STRING 0 312238 1225 137 0.57782 0 -0.00131 0.0 CGP-KM-DSSPD-NR10-EXE4 NonSpecific STRING 1 312230 1235 279 0.5		_								
ChIP-Seq 24 307803 1399 4374 0.49084 0.01514 0.00163 0.016866 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 0 312207 1256 137 0.57808 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 0 312065 1256 279 0.52606 0 -0.00139 0.0 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 1 312216 1247 136 0.57791 0.13412 0.0011 0.000801 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 4 312077 1244 275 0.52733 0.03106 0.00491 0.003205 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 0 312238 1225 137 0.57782 0 -0.00131 0.0 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 0 312296 1225 279 0.52699 0 -0.00187 0.0 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 1 312230 1233 136 0.57765		STRING	2	312169	1294	135	0.57825	0.13679	0.00341	0.001543
CGP-KM-DSSPD-NR10-EXE2 STRING 0 312207 1256 137 0.57808 0 -0.00133 0.0 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 0 312065 1256 279 0.52606 0 -0.00133 0.0 ChIP-Seq 18 307847 1355 4380 0.49108 0.01518 -0.00052 0.01311 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 4 312216 1247 136 0.57791 0.13412 0.0011 0.000801 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 4 312077 1244 275 0.52733 0.03106 0.00491 0.003205 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 0 312238 1225 137 0.57782 0 -0.00131 0.0 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 0 312096 1225 279 0.52699 0 -0.00187 0.0 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 1 312230 1231 136 0.57765 0.132	CGP-KM-DSSPD-NR10-EXE1	•								
CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 18 312065 1256 279 0.52606 0 -0.00189 0.0 ChIP-Seq 18 307847 1355 4380 0.49108 0.01518 -0.00052 0.01311 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 4 312276 1247 136 0.57791 0.13412 0.0011 0.000801 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 20 307803 1399 4378 0.49102 0.01518 4e-05 0.014094 CGP-KM-DSSPD-NR10-EXE4 NonSpecific Oscillation ChIP-Seq 18 307853 1225 137 0.57782 0 -0.00131 0.0 CGP-KM-DSSPD-NR10-EXE4 NonSpecific Oscillation ChIP-Seq 18 307853 1349 4380 0.49069 0.01515 -0.00048 0.013168 CGP-KM-DSSPD-NR10-EXE5 NonSpecific Oscillation ChiP-Seq 1 312230 1233 136 0.57765 0.13222 0.00112 0.00081 CGP-KM-DSSPD-NR10-EXE5 NonSpecific Oscillation Ch		•								
CGP-KM-DSSPD-NR10-EXE4 ChIP-Seq (DIP-Seq) 18 307847 1355 4380 0.49108 0.01518 -0.00052 0.01311 CGP-KM-DSSPD-NR10-EXE3 NonSpecific (DIP-Seq) 4 312216 1247 136 0.57791 0.13412 0.0011 0.000801 CGP-KM-DSSPD-NR10-EXE4 NonSpecific (DIP-Seq) 20 307803 1399 4378 0.49102 0.01518 4e-05 0.014094 CGP-KM-DSSPD-NR10-EXE4 NonSpecific (DIP-Seq) 0 312238 1225 137 0.57782 0 -0.00131 0.0 CGP-KM-DSSPD-NR10-EXE4 NonSpecific (DIP-Seq) 18 307853 1349 4380 0.49069 0.01515 -0.00048 0.013168 CGP-KM-DSSPD-NR10-EXE5 NonSpecific (DIP-Seq) 1 312230 1233 136 0.57765 0.13222 0.00112 0.00081 CGP-KM-DSSPD-NR10-EXE5 NonSpecific (DIP-Seq) 3 312990 1231 276 0.52663 0.03005 0.00325 0.002431	CCD WALDCCDD ND40 EVEO									
CGP-KM-DSSPD-NR10-EXE3 STRING 1 312216 1247 136 0.57791 0.13412 0.0011 0.000801 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 4 312077 1244 275 0.52733 0.03106 0.00491 0.003205 ChIP-Seq 20 307803 1399 4378 0.49102 0.01518 4e-05 0.014094 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 0 312238 1225 137 0.57782 0 -0.00131 0.0 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 0 312096 1225 279 0.52699 0 -0.00187 0.0 CGP-KM-DSSPD-NR10-EXE5 1 312230 1233 136 0.57765 0.13222 0.00112 0.00081 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 312090 1231 276 0.52663 0.03005 0.00325 0.002431	CGP-KM-DSSPD-NR10-EXE2	_						-		
CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 4 312077 1244 275 0.52733 0.03106 0.00491 0.003205 ChIP-Seq 20 307803 1399 4378 0.49102 0.01518 4e-05 0.014094 CGP-KM-DSSPD-NR10-EXE4 NonSpecific Objectific ChIP-Seq 0 312096 1225 279 0.52699 0 -0.00187 0.0 CGP-KM-DSSPD-NR10-EXE5 ChIP-Seq 18 307853 1349 4380 0.49069 0.01515 -0.00048 0.013168 CGP-KM-DSSPD-NR10-EXE5 NonSpecific STRING 1 312230 1231 136 0.57765 0.13222 0.00112 0.00081		•								
CGP-KM-DSSPD-NR10-EXE4 ChIP-Seq STRING 20 307803 l2238 l225 l37 1399 l238 l225 l37 0.57782 l0 l25699 l0 l200131 4e-05 l200131 l200131 0.014094 l200131 CGP-KM-DSSPD-NR10-EXE4 NonSpecific l20 l200131 0.312238 l2238 l225 l279 l225 l279 l22699 l20 l200131 0.00187 l20013168 l20013168 0.0013168 l20013168 l20013168 CGP-KM-DSSPD-NR10-EXE5 NonSpecific l20 l200131 l20013168 l20013168 l20013169 1231 l230 l231 l230 l231 l236 l20013169 0.52663 l200305 l200325 l200325 l2002431 0.002431 l20013168	CGP-KM-DSSPD-NR10-EXE3									
CGP-KM-DSSPD-NR10-EXE4 STRING 0 312238 1225 137 0.57782 0 -0.00131 0.0 CGP-KM-DSSPD-NR10-EXE4 NonSpecific OLIP-Seq 18 312096 1225 279 0.52699 0 -0.00187 0.0 ChIP-Seq 18 307853 1349 4380 0.49069 0.01515 -0.00048 0.013168 STRING 1 312230 1231 136 0.57765 0.13222 0.00112 0.00081 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 312090 1231 276 0.52663 0.03005 0.00325 0.002431	COL THE DOOLD THEFT									
CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 0 312096 1225 279 0.52699 0 -0.00187 0.0 ChIP-Seq 18 307853 1349 4380 0.49069 0.01515 -0.00048 0.013168 STRING 1 312230 1233 136 0.57765 0.13222 0.00112 0.00081 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 312090 1231 276 0.52663 0.03005 0.00325 0.002431										
ChIP-Seq 18 307853 1349 4380 0.49069 0.01515 -0.00048 0.013168 STRING 1 312230 1233 136 0.57765 0.13222 0.00112 0.00081 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 312090 1231 276 0.52663 0.03005 0.00325 0.002431	CGP-KM-DSSPD-NR10-EXE4						0.52699			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		ChIP-Seq	18							
1	GGD 111 GG		-							
Cnip-Seq 32 307850 1352 4366 0.49243 0.01533 0.00515 0.023121	CGP-KM-DSSPD-NR10-EXE5	•								
		Cnip-Seq	32	3U785U	1352	4300	0.49243	0.01533	0.00515	0.023121

3 Configuration 1000nTF

3.1 Ignoring Self-Loop

Tabela 29: Tabular results for hESC problem considering the 1000nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	0	999149	426	425	0.49984	0	-0.00043	0.0
PIDC	NonSpecific	0	998528	740	732	0.49996	0	-0.00074	0.0
	ChIP-Seq	8	995770	2116	2106	0.50122	0.00713	0.00166	0.003752
	STRING	0	999150	425	425	0.49975	0	-0.00042	0.0
GENIE3	NonSpecific	0	998529	739	732	0.49972	0	-0.00074	0.0
	ChIP-Seq	15	995771	2115	2099	0.50333	0.00904	0.00496	0.007039
CDNDOOCTO	STRING	0	999150	425	425	0.49957	0	-0.00042	0.0
GRNBOOST2	NonSpecific	0	998529 995770	739	732	0.49956	0 00026	-0.00074	0.0
	ChIP-Seq STRING	11	995770 0	$\frac{2116}{0}$	$\frac{2103}{0}$	0.50354	0.00836	0.00307	0.005162
SINCERITIES	NonSpecific	$0 \\ 0$	0	0	0	0	0	$0 \\ 0$	0
SHUERHIES	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	0	999069	506	425	0.49934	0	-0.00046	0.0
CGP-DSSPD-NR5-EXE1	NonSpecific	9	981145	18123	723	0.49922	0.00146	-0.00118	0.000486
	ChIP-Seq	31	979785	18101	2083	0.50276	0.00589	-0.0012	0.001675
	STRING	0	999049	526	425	0.49926	0	-0.00047	0.0
CGP-DSSPD-NR5-EXE2	NonSpecific	5	980934	18334	727	0.49889	0.00146	-0.00232	0.000268
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{24}{2}$	979570	18316	2091	0.50178	0.00477	-0.0024	0.001286
CGP-DSSPD-NR5-EXE3	NonSpecific	$0 \\ 14$	999060 981189	$515 \\ 18079$	$425 \\ 718$	$0.49914 \\ 0.4986$	$0 \\ 0.00146$	-0.00047 0.00021	$0.0 \\ 0.000758$
CGI -DSSI D-MQ-EAES	ChIP-Seq	33	979825	18061	2082	0.4980 0.50115	0.00140 0.00431	-0.00021	0.000738 0.001788
	STRING	0	999056	519	425	0.49908	0.00431	-0.00047	0.001700
CGP-DSSPD-NR5-EXE4	NonSpecific	8	981776	17492	724	0.49836	0.00146	-0.00136	0.000448
	ChIP-Seq	$\overline{22}$	980408	17478	2092	0.50149	0.00436	-0.00249	0.001233
	STRING	0	999084	491	425	0.49898	0	-0.00046	0.0
CGP-DSSPD-NR5-EXE5	NonSpecific	5	981128	18140	727	0.49813	0.00146	-0.00229	0.000271
	ChIP-Seq	24	979765	18121	2090	0.50135	0.00424	-0.00234	0.0013
	STRING	2	995954	3621	423	0.4989	0.00424	0.00037	0.00054
CGP-DSSPD-NR10-EXE1	NonSpecific	6	995651	3617	726	0.49784	0.00146	0.00206	0.00162
	ChIP-Seq	5	994268	3618	2109	0.50119	0.00415	-0.00096	0.00135
CCD DCCDD ND10 EVE0	STRING	2	995955	3620	423	0.49871	0.00424	0.00037	0.000542
CGP-DSSPD-NR10-EXE2	NonSpecific	0	995646	3622	$732 \\ 2104$	0.49753	0	-0.00163	$0.0 \\ 0.002711$
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\begin{array}{c} 10 \\ 0 \end{array}$	994274 996764	$\frac{3612}{2811}$	$\frac{2104}{425}$	$0.50073 \\ 0.49857$	$0.004 \\ 0$	0.00085 -0.0011	0.002711 0.0
CGP-DSSPD-NR10-EXE3	NonSpecific	4	996461	2807	728	0.49657 0.49718	0.00146	0.0011	0.001393
CGI -DSSI D-MINO-EXES	ChIP-Seq	10	995085	2801	2104	0.49718 0.50122	0.00140 0.0041	0.00167	0.001333 0.003482
	STRING	2	995751	3824	423	0.49846	0.00424	0.00029	0.000511
CGP-DSSPD-NR10-EXE4	NonSpecific	0	995442	3826	732	0.4969	0	-0.00168	0.0
	ChIP-Seq	4	994064	3822	2110	0.50078	0.00399	-0.00144	0.001022
	STRING	0	995761	3814	425	0.49825	0	-0.00128	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	4	995458	3810	728	0.49799	0.00205	0.00072	0.001027
	ChIP-Seq	12	994084	3802	2102	0.50111	0.00404	0.00139	0.003081
CCD IZM DIZM ND10 DVD1	STRING	0	996729	2846	425	0.49802	0	-0.0011	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	996422	2846	732	0.49758	0	-0.00145	0.0
	$ \text{ChIP-Seq} \\ \text{STRING} $	5	995045 998986	$2841 \\ 589$	$\frac{2109}{425}$	$0.50079 \\ 0.49788$	0.00397	-0.00042 -0.0005	$0.001734 \\ 0.0$
CGP-KM-BKM-NR10-EXE2	NonSpecific	$0 \\ 0$	998340	928	732	0.49732	0	-0.00082	0.0
CGI -IXW-BKW-NICIO-EXE2	ChIP-Seq	11	994780	3106	2103	0.49752 0.50154	0.00408	0.00032	0.003453
	STRING	0	998909	666	425	0.49775	0.00100	-0.00053	0.00
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	997461	1807	732	0.49716	0	-0.00115	0.0
	ChIP-Seq	9	995770	2116	2105	0.50252	0.00422	0.00213	0.004206
	STRING	1	996472	3103	424	0.49762	0.00424	-0.00028	0.000315
CGP- KM - BKM - $NR10$ - $EXE4$	NonSpecific	5	996169	3099	727	0.49762	0.00214	0.00181	0.001577
	ChIP-Seq	4	994786	3100	2110	0.50217	0.00415	-0.001	0.001262
	STRING	0	997864	1711	425	0.4973	0	-0.00085	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	997557	1711	732	0.49731	0	-0.00112	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	3	993554	4332	2111	0.50174	0.00408	-0.00204	0.00068
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	998759 998452	816 816	$425 \\ 732$	0.49697 0.49696	0	-0.00059 -0.00077	$0.0 \\ 0.0$
CGI -KW-DSSI D-MIIIO-EXEI	ChIP-Seq	$0 \\ 7$	994616	3270	2107	0.49090 0.50181	0.00408	3e-05	0.0021
	STRING	0	998721	854	425	0.49668	0.00400	-0.0006	0.0021
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0	998414	854	732	0.49662	0	-0.00079	0.0
	ChIP-Seq	6	994506	3380	2108	0.50143	0.00402	-0.00043	0.001733
	STRING	1	996909	2666	424	0.49633	0.00424	-0.00013	0.000367
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	2	996603	2665	730	0.49631	0.00198	3e-05	0.000734
	ChIP-Seq	5	995224	2662	2109	0.50126	0.004	-0.00027	0.001834
	STRING	0	998621	954	425	0.4961	0	-0.00064	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0	998314	954	732	0.49596	0	-0.00084	0.0
	ChIP-Seq	5	994637	3249	2109	0.50092	0.00396	-0.00072	0.001502
COD IVA DOODD ADAG DY	STRING	0	998673	902	425	0.49586	0	-0.00062	0.0
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	0	998366	902	732	0.49562	0	-0.00081	0.0
	ChIP-Seq	1	994398	3488	2113	0.50011	0.00387	-0.00235	0.000281

Tabela 30: Tabular results for hHep problem considering the 1000nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	6	997823	1064	1107	0.50177	0.01844	0.00441	0.005386
PIDC	NonSpecific	0	999419	286	295	0.49989	0	-0.00029	0.0
	ChIP-Seq STRING	$\frac{3}{5}$	995822 997779	2075	2100	0.49981	0.00284	-0.00066	0.001406
GENIE3	NonSpecific	0	997779	$\frac{1108}{297}$	$\frac{1108}{295}$	0.50189 0.49974	0.01365	0.00338 -0.0003	0.004492 0.0
GENIES	ChIP-Seq	1	995765	2132	2102	0.49914 0.49924	0.00236	-0.00165	0.000469
	STRING	7	997782	1105	1106	0.50232	0.0137	0.00519	0.006289
GRNBOOST2	NonSpecific	0	999408	297	295	0.49967	0	-0.0003	0.0
	ChIP-Seq	4	995771	2126	2099	0.4997	0.00288	-0.00023	0.001875
	STRING	1	997792	1095	1112	0.50238	0.01327	-0.0002	0.000898
SINCERITIES	NonSpecific	0	999411	294	295	0.49941	0	-0.0003	0.0
	ChIP-Seq	2	995797	2100	2101	0.49925	0.00271	-0.00115	0.000937
PPCOR	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific ChIP-Seq	$0 \\ 0$	0	0	0	0	$0 \\ 0$	0	0
	STRING	$\frac{0}{24}$	980906	17981	1089	0.50228	0.0126	0.00089	0.0013
CGP-DSSPD-NR5-EXE1	NonSpecific	0	999290	415	295	0.49925	0	-0.00035	0.00
	ChIP-Seq	75	979966	17931	2029	0.5013	0.00372	0.00609	0.004062
	STRING	21	980602	18285	1092	0.50174	0.01158	0.00014	0.001119
CGP-DSSPD-NR5-EXE2	NonSpecific	0	999262	443	295	0.49919	0	-0.00036	0.0
	ChIP-Seq	66	979656	18241	2038	0.50184	0.00379	0.00447	0.003518
	STRING	24	980155	18732	1089	0.50171	0.01135	0.00069	0.001248
CGP-DSSPD-NR5-EXE3	NonSpecific	1	999288	417	$294 \\ 2063$	0.49914	0.00334 0.00371	0.0025	0.002273
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{41}{25}$	979181 980489	18716 18398	$\frac{2003}{1088}$	$0.50192 \\ 0.50211$	0.00371 0.01154	0.00025 0.001	0.002132 0.001325
CGP-DSSPD-NR5-EXE4	NonSpecific	0	999286	419	295	0.30211 0.49912	0.01154	-0.00035	0.001325
COL ESSI E MOS EME	ChIP-Seq	$\frac{34}{34}$	979508	18389	2069	0.50198	0.00365	-0.00077	0.001802
	STRING	24	980266	18621	1089	0.50203	0.0113	0.00072	0.001256
CGP-DSSPD-NR5-EXE5	NonSpecific	0	999268	437	295	0.49906	0	-0.00036	0.0
	ChIP-Seq	33	979283	18614	2072	0.50181	0.00355	-0.00101	0.001727
	STRING	6	995110	3777	1107	0.50213	0.01128	0.00087	0.001549
CGP-DSSPD-NR10-EXE1	NonSpecific	2	995924	3781	293	0.49898	0.00334	0.00084	0.000516
	ChIP-Seq	6	994120	3777	2097	0.5011	0.00337	-0.00069	0.001549
CGP-DSSPD-NR10-EXE2	STRING NonSpecific	$\frac{5}{0}$	994811 999416	$4076 \\ 289$	$\frac{1108}{295}$	0.50172 0.49894	0.01087	0.00021 -0.00029	0.001194 0.0
CGF-DSSFD-NR10-EXE2	ChIP-Seq	8	993824	4073	$295 \\ 2095$	0.49894 0.50092	0.00331	-0.00029	0.00191
	STRING	$\frac{\circ}{3}$	997350	1537	1110	0.50032 0.50173	0.0108	0.0002	0.00131
CGP-DSSPD-NR10-EXE3	NonSpecific	0	999041	664	295	0.49888	0	-0.00044	0.0
	ChIP-Seq	15	992388	5509	2088	0.50145	0.00338	0.001	0.002641
	STRING	4	995180	3707	1109	0.50221	0.01105	-6e-05	0.001043
CGP-DSSPD-NR10-EXE4	NonSpecific	2	995996	3709	293	0.4988	0.00334	0.00087	0.000521
	ChIP-Seq	22	994208	3689	2081	0.50172	0.00341	0.0051	0.005735
CGP-DSSPD-NR10-EXE5	STRING NonSpecific	$\frac{2}{2}$	995081 995899	$3806 \\ 3806$	$\frac{1111}{293}$	$0.50179 \\ 0.49871$	$0.01071 \\ 0.00334$	-0.00109 0.00083	0.000513 0.000513
CGF-DSSFD-NRIO-EXES	ChIP-Seq	$\frac{2}{14}$	994103	3794	293 2089	0.49871 0.50297	0.00354 0.00356	0.0003 0.00212	0.000515 0.003588
	STRING	3	996593	2294	1110	0.50196	0.01078	0.00212	0.003336 0.001276
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	997408	2297	295	0.49856	0	-0.00082	0.0
	ChIP-Seq	0	995600	2297	2103	0.50187	0	-0.0022	0.0
	STRING	3	997021	1866	1110	0.5017	0.01059	0.00064	0.00159
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	997836	1869	295	0.49853	0	-0.00074	0.0
	ChIP-Seq	0	995547	2350	2103	0.5011	0	-0.00223	0.0
CGP-KM-BKM-NR10-EXE3	STRING NonSpecific	2	997308 998124	$1579 \\ 1581$	$\frac{1111}{295}$	$0.50122 \\ 0.49842$	$0.01027 \\ 0$	0.00018 -0.00068	0.001254 0.0
CGP-KWI-BKWI-NKIU-EAE3	ChIP-Seq	$0 \\ 0$	995747	2150	$\frac{295}{2103}$	0.49842 0.50047	0	-0.00008	0.0
	STRING	5	996778	2109	1108	0.50041 0.50091	0.01009	0.00213	0.002336
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	997591	2114	295	0.49838	0	-0.00079	0.0
	ChIP-Seq	0	995783	2114	2103	0.49995	0	-0.00211	0.0
	STRING	5	996241	2646	1108	0.50054	0.00988	0.0012	0.001856
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	997054	2651	295	0.49829	0	-0.00089	0.0
	ChIP-Seq	0	995246	2651	2103	0.49933	0	-0.00237	0.0
CCD WALDCCDD ND10 DVD1	STRING	5	996054	2833	1108	0.49979	0.00951	0.00104	0.001709
CGP-KM-DSSPD-NR10-EXE1	NonSpecific ChIP-Seq	0	996867 995065	$2838 \\ 2832$	$\frac{295}{2097}$	0.49815	$0 \\ 0.00305$	-0.00092 1e-05	$0.0 \\ 0.002051$
	STRING	$\frac{6}{4}$	995239	2652 3648	$\frac{2097}{1109}$	0.49905 0.49999	0.00303 0.00962	-3e-05	0.002051 0.001062
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	$\frac{4}{2}$	996055	3650	$\frac{1109}{293}$	0.49999 0.49803	0.00902 0.00334	0.00089	0.001002 0.000531
	ChIP-Seq	$\frac{2}{4}$	994249	3648	2099	0.49874	0.00304 0.00303	-0.00133	0.000001 0.001062
	STRING	0	997571	1316	1113	0.49989	0	-0.00121	0.0
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	998389	1316	295	0.49798	0	-0.00062	0.0
	ChIP-Seq	10	993848	4049	2093	0.49811	0.00298	0.0005	0.0024
	STRING	3	996021	2866	1110	0.50023	0.00971	-0.00011	0.001006
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	2	996838	2867	293	0.49792	0.00334	0.00126	0.00067
	ChIP-Seq	0	995028 994063	2869 4824	2103	0.49713	0 00065	-0.00246	0.0
CGP-KM-DSSPD-NR10-EXE5	STRING NonSpecific	$7 \\ 0$	994063 994874	$4824 \\ 4831$	$\frac{1106}{295}$	0.50007 0.49788	0.00965	0.0007 -0.0012	0.001412 0.0
OGI -KIM-DOOL D-IMMU-EVE9	ChIP-Seq	0 11	994874	$4831 \\ 4820$	$\frac{295}{2092}$	0.49788 0.49808	0.00299	0.0012 0.00026	0.002219
	Omr-peq	11	999011	4020	2032	0.43000	0.00433	0.00020	0.002213

Tabela 31: Tabular results for mDC problem considering the 1000nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	6	998307	844	843	0.50293	0.04438	0.00622	0.007059
PIDC	NonSpecific	0	998980	510	510	0.49961	0	-0.00051	0.0
	ChIP-Seq STRING	1	999381	309 848	309	0.50147	0.0273 0.03118	0.00292 0.00033	0.003226 0.001178
GENIE3	NonSpecific	1 1	998303 998981	509	848 509	0.50299 0.50031	0.03118 0.0085	0.00033 0.00145	0.001178 0.001961
GENEO	ChIP-Seq	0	999380	310	310	0.50131	0	-0.00031	0.0
	STRING	2	998304	847	847	0.50338	0.03008	0.00151	0.002356
GRNBOOST2	NonSpecific	0	998980	510	510	0.50018	0	-0.00051	0.0
	ChIP-Seq	0	999380	310	310	0.50124	0	-0.00031	0.0
CINCEDITIEC	STRING NamSpacific	0	998348 999006	803	849 510	0.50284	0	-0.00083	0.0
SINCERITIES	NonSpecific ChIP-Seq	$0 \\ 0$	999396	$484 \\ 294$	310	$0.50014 \\ 0.50099$	0	-0.0005 -0.0003	$0.0 \\ 0.0$
	STRING	0	0	0	0	0.50055	0	0.0000	0.0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	15	977839	21312	834	0.50261	0.02186	-0.00074	0.000703
CGP-DSSPD-NR5-EXE1	NonSpecific	10	978173	21317	500	0.4999	0.00659	-0.00027	0.000469
	ChIP-Seq STRING	$7 \\ 15$	978370 978026	$21320 \\ 21125$	$303 \\ 834$	$0.50077 \\ 0.50409$	0.00662 0.02488	0.00015 -0.0007	0.000328 0.00071
CGP-DSSPD-NR5-EXE2	NonSpecific	8	978358	21125 21132	502	0.50409 0.50067	0.02488 0.00867	-0.0007	0.00071 0.000378
CGI DBSI D IVITO EREZ	ChIP-Seq	5	978555	21135	305	0.50058	0.00583	-0.00061	0.000370
	STRING	17	978200	20951	832	0.50431	0.02397	-0.00019	0.000811
CGP-DSSPD-NR5-EXE3	NonSpecific	10	978532	20958	500	0.50043	0.00786	-0.00021	0.000477
	ChIP-Seq	7	978729	20961	303	0.50037	0.00526	0.0002	0.000334
CCD DCCDD ND F EVE	STRING	17	978399	20752	832	0.50463	0.02377	-0.00015	0.000819
CGP-DSSPD-NR5-EXE4	NonSpecific ChIP-Seq	$\frac{13}{9}$	978734 978930	20756 20760	$\frac{497}{301}$	$0.50026 \\ 0.50012$	$0.0074 \\ 0.00477$	$0.00075 \\ 0.00102$	0.000626 0.000433
	STRING	$\frac{9}{17}$	978678	20700 20473	832	0.50012 0.50446	0.00477 0.02287	-0.00102	0.000433
CGP-DSSPD-NR5-EXE5	NonSpecific	7	979007	20483	503	0.50007	0.00702	-0.00108	0.000342
	ChIP-Seq	8	979208	20482	302	0.49991	0.00446	0.00066	0.00039
	STRING	9	995224	3927	840	0.50404	0.02109	0.0031	0.002287
CGP-DSSPD-NR10-EXE1	NonSpecific	3	995557	3933	507	0.49988	0.00669	0.0007	0.000762
	ChIP-Seq	$\frac{1}{7}$	995755	3935	309	0.49972	0.00425	-0.0002	0.000254
CGP-DSSPD-NR10-EXE2	STRING NonSpecific	$7 \\ 4$	994798 995134	$4353 \\ 4356$	842 506	$0.50429 \\ 0.4997$	$0.0209 \\ 0.00644$	0.00172 0.00119	0.001606 0.000917
CGF-DSSFD-NRIU-EAE2	ChIP-Seq	1	995134 995331	4350 4359	309	0.4997 0.49955	0.0044 0.00409	-0.000119	0.000917 0.000229
	STRING	2	995051	4100	847	0.50445	0.02047	-0.0008	0.000488
CGP-DSSPD-NR10-EXE3	NonSpecific	1	995389	4101	509	0.5005	0.00759	-0.00076	0.000244
	ChIP-Seq	0	995588	4102	310	0.49938	0	-0.00113	0.0
CCD DCCDD ND10 DVD4	STRING	3	994705	4446	846	0.50413	0.01956	-0.0004	0.000674
CGP-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{3}{0}$	995044 995241	$4446 \\ 4449$	$507 \\ 310$	$0.50026 \\ 0.49928$	$0.00722 \\ 0$	0.00049 -0.00118	0.000674 0.0
	STRING	1	994980	4171	848	0.49928 0.50372	0.01857	-0.00118	0.00024
CGP-DSSPD-NR10-EXE5	NonSpecific	3	995321	4169	507	0.50004	0.00693	0.0006	0.000719
	ChIP-Seq	3	995521	4169	307	0.49911	0.00379	0.0015	0.000719
	STRING	0	997719	1432	849	0.50314	0	-0.0011	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	998058	1432	510	0.4999	0	-0.00085	0.0
	ChIP-Seq STRING	$0 \\ 0$	998258 998191	$1432 \\ 960$	$310 \\ 849$	$0.49893 \\ 0.50284$	0	-0.00067 -0.0009	$0.0 \\ 0.0$
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	998530	960 960	510	0.30284 0.49972	0	-0.0009	0.0
CGI IIII BIIII IIIII BIIII	ChIP-Seq	0	998730	960	310	0.49878	0	-0.00055	0.0
	STRING	0	997708	1443	849	0.50217	0	-0.00111	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	998047	1443	510	0.49967	0	-0.00086	0.0
	ChIP-Seq	0	998247	1443	310	0.49873	0	-0.00067	0.0
CGP-KM-BKM-NR10-EXE4	STRING NonSpecific	1	997759 998097	1392	$848 \\ 510$	$0.5027 \\ 0.49934$	0.01641	-0.00017 -0.00084	0.000718 0.0
CGP-KM-BKM-NKIU-EXE4	ChIP-Seq	$0 \\ 0$	998097	$1393 \\ 1393$	310	0.49934 0.49848	0	-0.00084	$0.0 \\ 0.0$
	STRING	1	996410	2741	848	0.50213	0.01569	-0.00087	0.000365
CGP-KM-BKM-NR10-EXE5	NonSpecific	3	996751	2739	507	0.49924	0.00618	0.00136	0.001094
	ChIP-Seq	0	996948	2742	310	0.49831	0	-0.00092	0.0
	STRING	4	995437	3714	845	0.50247	0.01594	0.00048	0.001076
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	3	995775	3715	507	0.50005	0.00693	0.0008	0.000807
	ChIP-Seq	$\frac{3}{7}$	995975	3715	307	0.49978	0.00449	0.00172	0.000807
CGP-KM-DSSPD-NR10-EXE2	STRING NonSpecific	$\frac{7}{3}$	995701 996036	$3450 \\ 3454$	$842 \\ 507$	0.50273 0.49992	$0.01609 \\ 0.00681$	0.00238 0.00093	0.002025 0.000868
CGI INVIDUOI D-MILIU-DAEZ	ChIP-Seq	3 1	996234	3454	307 - 309	0.49992 0.49959	0.00081 0.00438	-7e-05	0.000808 0.000289
	STRING	3	995572	3579	846	0.50237	0.00150	-2e-05	0.000233
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	$\overline{2}$	995910	3580	508	0.49978	0.0067	0.00013	0.000558
	ChIP-Seq	1	996109	3581	309	0.49944	0.0043	-0.00011	0.000279
CCD IN FRANCE STEEL	STRING	6	995412	3739	843	0.50208	0.01543	0.00159	0.001602
CGP-KM-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	1	995746	3744	509	0.50058	0.00734	-0.00066	0.000267
	Unite-Sea	1	995946	3744	309	0.49929	0.00422	-0.00015	0.000267
			905400	3751	2/19	0.50355	0.01655	U UU314	U UU1865
CGP-KM-DSSPD-NR10-EXE5	STRING NonSpecific	$7 \\ 6$	995400 995738	$3751 \\ 3752$	842 504	$0.50355 \\ 0.50041$	$0.01655 \\ 0.00719$	0.00214 0.00296	0.001863 0.001597

Tabela 32: Tabular results for mESC problem considering the 1000nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
DIDC	STRING	5	998593	701	701	0.50313	0.06178	0.00638	0.007082
PIDC	NonSpecific ChIP-Seq	0 190	997683	1160 11006	1157 11006	0.49981	$0 \\ 0.02519$	-0.00116 0.00584	$0.0 \\ 0.01697$
	STRING	$\frac{190}{21}$	977798 998609	685	685	$0.50356 \\ 0.51357$	0.02519 0.07868	0.00384 0.02906	0.01097 0.029745
GENIE3	NonSpecific	10	997696	1147	1147	0.50349	0.01435	0.02300 0.00749	0.023143
5:	ChIP-Seq	293	977901	10903	10903	0.50712	0.02465	0.01514	0.02617
	STRING	21	998609	685	685	0.51875	0.08156	0.02906	0.029745
GRNBOOST2	NonSpecific	11	997697	1146	1146	0.50523	0.01446	0.00836	0.009507
	ChIP-Seq	288	977896	10908	10908	0.50859	0.02495	0.01469	0.025723
SINCERITIES	STRING NonSpecific	$\frac{1}{3}$	998602 997714	$692 \\ 1129$	705 1154	$0.51875 \\ 0.50582$	$0.06569 \\ 0.01179$	0.00073 0.00148	0.001416 0.002593
SINCERITIES	NonSpecific ChIP-Seq	3 120	978117	10687	1104 11076	0.50582 0.50896	0.01179 0.02359	-9e-05	0.002595 0.010718
	STRING	0	0	0	0	0.50050	0.02000	0	0.010110
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	15	979574	19720	691	0.51843	0.06035	0.00029	0.00076
CGP-DSSPD-NR5-EXE1	NonSpecific	22	979130	19713	1135	0.50528	0.00985	-0.00018	0.001115
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	198 13	969267 980044	$19537 \\ 19250$	$10998 \\ 693$	$0.5079 \\ 0.5181$	$0.02218 \\ 0.05575$	-0.00157 -0.00016	0.010033 0.000675
CGP-DSSPD-NR5-EXE2	NonSpecific	13 29	979609	19230 19234	1128	0.5151 0.5056	0.00925	0.00144	0.000675 0.001505
CGI -DSSI D-Mto-EAL2	ChIP-Seq	$\frac{23}{224}$	969765	19039	10972	0.50794	0.00323 0.02164	0.00144 0.00058	0.001609 0.011629
	STRING	12	979718	19576	694	0.51794	0.05389	-0.0005	0.000613
CGP-DSSPD-NR5-EXE3	NonSpecific	18	979273	19570	1139	0.5051	0.00833	-0.00099	0.000919
	ChIP-Seq	234	969450	19354	10962	0.50827	0.0214	0.00101	0.011946
CCD DCCDD ND FEVE	STRING	23	979474	19820	683	0.51758	0.05015	0.00243	0.001159
CGP-DSSPD-NR5-EXE4	NonSpecific ChIP-Seq	$\frac{31}{204}$	979031 969165	19812 19639	1126 10992	$0.5046 \\ 0.50747$	$0.00765 \\ 0.02096$	0.0017 -0.00124	0.001562 0.010281
	STRING	$\frac{204}{12}$	980812	18482	694	0.50747 0.51872	0.02090 0.05007	-0.00124	0.010281 0.000649
CGP-DSSPD-NR5-EXE5	NonSpecific	18	980367	18476	1139	0.50537	0.00775	-0.00074	0.000973
	ChIP-Seq	221	970531	18273	10975	0.50732	0.02076	0.00098	0.01195
	STRING	2	995287	4007	704	0.51908	0.04842	-0.00049	0.000499
CGP-DSSPD-NR10-EXE1	NonSpecific	1	994835	4008	1156	0.5049	0.00728	-0.00169	0.000249
	ChIP-Seq	82	981191	7613	11114	0.50736	0.02068	-0.00045	0.010656
CGP-DSSPD-NR10-EXE2	STRING NonSpecific	$\frac{3}{5}$	995475 995026	$\frac{3819}{3817}$	$703 \\ 1152$	$0.51946 \\ 0.50433$	$0.04706 \\ 0.00681$	0.00018 0.00028	$0.000785 \\ 0.001308$
CGF-DSSFD-NRIU-EAE2	ChIP-Seq	$\frac{3}{221}$	973589	15215	10975	0.50453 0.50893	0.00081 0.02089	0.00028 0.00371	0.001308 0.014317
	STRING	1	995341	3953	705	0.51902	0.04432	-0.00108	0.000253
CGP-DSSPD-NR10-EXE3	NonSpecific	2	994891	3952	1155	0.50464	0.00678	-0.00121	0.000506
	ChIP-Seq	100	977286	11518	11096	0.50768	0.02052	-0.00267	0.008607
CCD DCCDD ND10 DVD4	STRING	2	995232	4062	704	0.51935	0.04313	-0.00051	0.000492
CGP-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$8 \\ 130$	994787 976957	$4056 \\ 11847$	$1149 \\ 11066$	$0.505 \\ 0.50724$	0.00678 0.02036	0.00153 -0.00036	0.001969 0.010854
	STRING	130	976937	$\frac{11647}{3855}$	705	0.50724 0.51974	0.02030 0.04247	-0.00105	0.010854 0.000259
CGP-DSSPD-NR10-EXE5	NonSpecific	$\frac{1}{2}$	994989	3854	1155	0.50444	0.00646	-0.00117	0.000230 0.000519
	ChIP-Seq	142	977378	11426	11054	0.50793	0.02041	0.00111	0.012275
	STRING	0	998429	865	706	0.5195	0	-0.00078	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	2	994044	4799	1155	0.50381	0.00615	-0.00151	0.000417
	ChIP-Seq	104	977488	11316	11092	0.50699	0.02016	-0.00213	0.009107
CGP-KM-BKM-NR10-EXE2	STRING NonSpecific	$\frac{2}{6}$	998323 993767	$971 \\ 5076$	$704 \\ 1151$	$0.52078 \\ 0.50439$	0.04244 0.0063	0.00159 5e-05	$0.002055 \\ 0.001181$
OGI -KW-DKW-WIU-EXEZ	ChIP-Seq	$\frac{0}{117}$	978145	10659	11079	0.50439 0.50699	0.02013	-0.00034	0.001131 0.010857
	STRING	0	998347	947	706	0.5207	0	-0.00082	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	10	993583	5260	1147	0.50536	0.00656	0.00159	0.001898
	ChIP-Seq	133	979232	9572	11063	0.50795	0.02021	0.00236	0.013704
CCD VM DVM ND10 DVD4	STRING	2	997515	1779	704	0.52129	0.04237	0.00066	0.001123
CGP-KM-BKM-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{2}{110}$	997064 979876	$1779 \\ 8928$	$\frac{1155}{11086}$	$0.50551 \\ 0.50849$	0.00656 0.02023	-4e-05 0.00089	0.001123 0.012171
	STRING	1	998470	824	705	0.50349 0.52121	0.02023 0.04202	0.00055	0.012171 0.001212
CGP-KM-BKM-NR10-EXE5	NonSpecific	7	994777	4066	1150	0.50534	0.04202 0.00648	0.00000	0.001212 0.001719
	ChIP-Seq	117	975769	13035	11079	0.5078	0.02011	-0.00252	0.008896
	STRING	4	995208	4086	702	0.52286	0.0424	0.00066	0.000978
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	2	994755	4088	1155	0.50501	0.0063	-0.00126	0.000489
	ChIP-Seq	66	980875	7929	11130	0.50693	0.01994	-0.00251	0.008255
CGP-KM-DSSPD-NR10-EXE2	STRING NonSpecific	1 1	997100 996649	$2194 \\ 2194$	705 1156	$0.52332 \\ 0.50496$	0.04215 0.00624	-0.00044 -0.00097	0.000456 0.000456
OGI -IXIII-DOSE D-INKIU-EAE2	ChIP-Seq	83	979086	9718	11100 11113	0.50496 0.5062	0.00624 0.01981	-0.00097 -0.00258	0.000456 0.008469
	STRING	0	996826	$\frac{9718}{2468}$	706	0.5002 0.52273	0.01961	-0.00238	0.003409
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	3	996378	2465	1154	0.50507	0.00619	9e-05	0.001216
	ChIP-Seq	108	977076	11728	11088	0.50536	0.01974	-0.00215	0.009125
	STRING	1	994954	4340	705	0.52291	0.03909	-0.00118	0.00023
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	3	994505	4338	1154	0.50482	0.00608	-0.0009	0.000691
	ChIP-Seq STRING	$76 \\ 4$	980679 996869	$8125 \\ 2425$	$\frac{11120}{702}$	0.50473	0.01966 0.03844	-0.00167 0.00175	0.009267 0.001647
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	$\frac{4}{2}$	996869	2425 2427	702 1155	$0.52367 \\ 0.50515$	0.03844 0.00612	-0.00175	0.001647 0.000823
CGI IIII DODI D-MILIO-EAEO	ChIP-Seq	$\frac{2}{56}$	982657	6147	1133 11140	0.50313 0.50446	0.00012 0.01963	-0.00048	0.000823 0.009028
	5-111 554					5.55110	2.02000	3.00100	

Tabela 33: Tabular results for mHSC-E problem considering the 1000nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	38	998555	704	703	0.52298	0.0702	0.05054	0.051213
PIDC	NonSpecific	17	998649	667	667	0.51152	0.04245	0.02419	0.024854
	ChIP-Seq	33	985730	7119	7118	0.49879	0.0069	-0.00255	0.004614
	STRING	16	998534	725	725	0.52321	0.0523	0.02087	0.021592
GENIE3	NonSpecific	9	998641	675	675	0.51312	0.03124	0.01248	0.013158
	ChIP-Seq	7	985705	7144	7144	0.49679	0.00547	-0.00622	0.000979
	STRING	18	998536	723	723	0.52259	0.04885	0.02357	0.024291
GRNBOOST2	NonSpecific	13	998645	671	671	0.51286	0.02854	0.01833	0.019006
	ChIP-Seq	11	985709	7140	7140	0.49573	0.00559	-0.00565	0.001538
	STRING	1	998529	730	740	0.52293	0.0473	0.00062	0.00135
SINCERITIES	NonSpecific	0	998642	674	684	0.51246	0	-0.00068	0.0
	ChIP-Seq	36	985836	7013	7115	0.49485	0.00608	-0.00204	0.005034
PROCE	STRING	0	998517	742	741	0.52145	0	-0.00074	0.0
PPCOR	NonSpecific	2	998634	682	682	0.51154	0.02005	0.00224	0.002924
	ChIP-Seq	51	985748	7101	7100	0.4939	0.00595	-2e-05	0.007131
CGP-DSSPD-NR5-EXE1	STRING NanSmarifia	$10 \\ 12$	981935	$17324 \\ 17322$	$731 \\ 672$	0.5209	$0.03755 \\ 0.01968$	-0.0008 4e-05	0.000577 0.000692
CGP-D55PD-NR5-EAE1	NonSpecific ChIP-Seq	$\frac{12}{107}$	981994 975622	17322 17227	7044	$0.51201 \\ 0.49322$	0.01968 0.00614	-0.00154	0.000692 0.006173
	STRING	9	980396	18863	732	0.49322 0.52174	0.00014 0.03707	-0.00134 -0.00135	0.000173 0.000477
CGP-DSSPD-NR5-EXE2	NonSpecific	9 16	980460	18856	668	0.52174 0.51237	0.03707 0.01907	0.00135 0.00087	0.000477 0.000848
CGF-DSSFD-NRS-EAE2	ChIP-Seq	106	974083	18766	7045	0.31237 0.49209	0.01907 0.00617	-0.00252	0.005617
	STRING	8	980174	19085	733	0.43209 0.52129	0.03577	-0.00252	0.003017 0.000419
CGP-DSSPD-NR5-EXE3	NonSpecific	8	980231	19085	676	0.51205	0.01827	-0.00141	0.000419
CGI ESSI E MIG EMES	ChIP-Seq	121	973877	18972	7030	0.49208	0.00636	-0.00135	0.006337
	STRING	15	979974	19285	726	0.52086	0.03467	0.00019	0.000337
CGP-DSSPD-NR5-EXE4	NonSpecific	19	980035	19281	665	0.51251	0.01809	0.00161	0.000984
	ChIP-Seq	152	973701	19148	6999	0.49274	0.0066	0.00121	0.007876
	STRING	13	979936	19323	728	0.52121	0.03437	-0.00035	0.000672
CGP-DSSPD-NR5-EXE5	NonSpecific	11	979991	19325	673	0.51223	0.0175	-0.00062	0.000569
	ChIP-Seq	116	973629	19220	7035	0.49231	0.00664	-0.00192	0.005999
	STRING	4	995170	4089	737	0.52216	0.03442	0.00056	0.000977
CGP-DSSPD-NR10-EXE1	NonSpecific	1	995224	4092	683	0.51197	0.01703	-0.00108	0.000244
	ChIP-Seq	60	984958	7891	7091	0.49258	0.00677	0.00042	0.007546
	STRING	5	995395	3864	736	0.52311	0.03449	0.00126	0.001292
CGP-DSSPD-NR10-EXE2	NonSpecific	1	995448	3868	683	0.5117	0.01657	-0.00101	0.000258
	ChIP- Seq	33	985106	7743	7118	0.49084	0.00665	-0.00305	0.004244
	STRING	3	995311	3948	738	0.52274	0.03372	4e-05	0.000759
CGP-DSSPD-NR10-EXE3	NonSpecific	2	995367	3949	682	0.51134	0.01604	-0.00043	0.000506
	ChIP-Seq	62	984981	7868	7089	0.49042	0.00668	0.00071	0.007818
GGD DGGDD ND10 EVE	STRING	2	995416	3843	739	0.523	0.03335	-0.0005	0.00052
CGP-DSSPD-NR10-EXE4	NonSpecific	2	995473	3843	682	0.51171	0.0159	-0.00039	0.00052
	ChIP-Seq	$\frac{117}{4}$	977821	15028	7034	0.49059	0.00676	0.00085	0.007725
CGP-DSSPD-NR10-EXE5	STRING NonSpecific	4	994206 994263	$5053 \\ 5053$	$737 \\ 680$	$0.52324 \\ 0.5114$	$0.03297 \\ 0.01553$	0.00013 0.00029	0.000791 0.000791
CGF-DSSFD-NRI0-EAE3	NonSpecific ChIP-Seq	$\frac{4}{43}$	985232	7617	7108	0.49003	0.01555 0.00676	-0.0016	0.000791 0.005614
	STRING	2	998308	951	739	0.49003 0.52415	0.00370 0.03304	0.0016 0.00154	0.003014 0.002099
CGP-KM-BKM-NR10-EXE1	NonSpecific	1	998364	952	683	0.52419 0.51179	0.03504 0.01547	0.00134 0.00043	0.002033 0.001049
COI TIM BIRM MILIO EXEL	ChIP-Seq	47	984609	8240	7104	0.48837	0.00668	-0.00161	0.005672
	STRING	6	995814	3445	735	0.52573	0.03349	0.00216	0.001739
CGP-KM-BKM-NR10-EXE2	NonSpecific	$\overset{\circ}{2}$	995867	3449	682	0.51222	0.01547	-0.00023	0.00058
	ChIP-Seq	39	986923	5926	7112	0.48829	0.00671	-0.00056	0.006538
	STRING	1	998325	934	740	0.52562	0.03331	0.00037	0.00107
CGP-KM-BKM-NR10-EXE3	NonSpecific	1	998382	934	683	0.51207	0.01532	0.00045	0.00107
	ChIP-Seq	60	985679	7170	7091	0.48802	0.00673	0.00116	0.008299
	STRING	1	997584	1675	740	0.52538	0.03293	-0.00022	0.000597
CGP-KM-BKM-NR10-EXE4	NonSpecific	1	997641	1675	683	0.51181	0.01507	-0.00014	0.000597
	ChIP-Seq	28	984257	8592	7123	0.48633	0.00665	-0.00432	0.003248
	STRING	1	998188	1071	740	0.52532	0.03284	0.00023	0.000933
CGP-KM-BKM-NR10-EXE5	NonSpecific	1	998245	1071	683	0.51171	0.01498	0.00031	0.000933
	ChIP-Seq	14	985570	7279	7137	0.48429	0.00656	-0.00532	0.00192
CCD I'M DCCDD MD40 DWD4	STRING	0	997283	1976	741	0.5251	0	-0.00121	0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	1	997341	1975	683	0.51156	0.01485	-0.0003	0.000506
	ChIP-Seq	19	987500	5349	7132	0.48306	0.00651	-0.00315	0.003539
CCD VM DCCDD ND10 EVE	STRING NonSpecific	0	998503	756	741	0.52506	0	-0.00075	0.0
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0 48	998582	734	$684 \\ 7103$	0.51138	0 00651	-0.00071 -0.00222	$0.0 \\ 0.005209$
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	48 5	983682 995599	9167	7103 736	$0.48229 \\ 0.52496$	$0.00651 \\ 0.03229$	-0.00222 0.00139	0.005209 0.001364
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	$\frac{5}{0}$	995599 995651	$\frac{3660}{3665}$	684	0.52496 0.51119	0.03229	-0.00139	0.001364 0.0
OGI -MM-DSSED-MMIU-EVE9	ChIP-Seq	$\frac{0}{20}$	988993	3856	7131	0.51119 0.48177	0.0065	-0.00159	0.00516
	STRING	0	998507	752	741	0.48177 0.52482	0.0005	-0.00147 -0.00075	0.00510
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0	998605	$732 \\ 711$	684	0.52482 0.51105	0	-0.00073	$0.0 \\ 0.0$
COL IIII DOOLD-MILIU-EAE4	ChIP-Seq	58	983518	9331	7093	0.48134	0.00652	-0.0007	0.006177
	STRING	0	998514	745	741	0.52472	0.00092	-0.00112	0.00
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	0	998571	745	684	0.51087	0	-0.00071	0.0
3-3	ChIP-Seq	42	986157	6692	7109	0.48077	0.00653	-0.00089	0.006237
	1					-			

Tabela 34: Tabular results for mHSC-GM problem considering the 1000nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	24	998265	856	855	0.51119	0.04148	0.02643	0.027273
PIDC	NonSpecific	14	998575	706	705	0.50891	0.03721	0.01875	0.019444
	ChIP-Seq	65	983733	8101	8101	0.49988	0.00917	-0.00021	0.00796
CENIES	STRING	33	998275	846	846	0.52307	0.04988	0.0367	0.037543
GENIE3	NonSpecific ChIP-Seq	11 44	998573 983712	$708 \\ 8122$	$708 \\ 8122$	$0.51267 \\ 0.499$	0.03511 0.00824	0.01459 -0.0028	0.015299 0.005388
	STRING	39	998281	840	840	0.499 0.52833	0.00324 0.0531	0.04353	0.003388 0.044369
GRNBOOST2	NonSpecific	15	998577	704	704	0.52535 0.51595	0.03637	0.04333 0.02016	0.020862
GIU (BOOS12	ChIP-Seq	57	983725	8109	8109	0.49871	0.00826	-0.0012	0.00698
	STRING	0	998245	876	879	0.52815	0	-0.00088	0.0
SINCERITIES	NonSpecific	0	998565	716	719	0.51587	0	-0.00072	0.0
	ChIP-Seq	56	983790	8044	8110	0.49806	0.0083	-0.00126	0.006858
	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
CCD DCCDD NDr EVE1	STRING	19	986846	12275	860	0.52843	0.04979	0.00251	0.001545 0.000813
CGP-DSSPD-NR5-EXE1	NonSpecific ChIP-Seq	10 73	986997 979613	$\frac{12284}{12221}$	$709 \\ 8093$	$0.51614 \\ 0.49683$	0.02959 0.00814	0.00039 -0.00276	0.000813 0.005938
	STRING	9	987025	12096	870	0.49083 0.52794	0.00814 0.04628	-0.00270 -0.00051	0.003938 0.000743
CGP-DSSPD-NR5-EXE2	NonSpecific	9	987185	12096	710	0.52734 0.51636	0.04028 0.02576	0.00031	0.000743
001 2551 2 1110 21122	ChIP-Seq	117	979846	11988	8049	0.49804	0.00862	0.00184	0.009665
	STRING	16	986959	12162	863	0.52767	0.04463	0.00163	0.001314
CGP-DSSPD-NR5-EXE3	NonSpecific	12	987115	12166	707	0.51665	0.0236	0.0011	0.000985
	ChIP-Seq	120	979776	12058	8046	0.49931	0.00895	0.00208	0.009854
	STRING	12	985145	13976	867	0.52784	0.04305	-9e-05	0.000858
CGP-DSSPD-NR5-EXE4	NonSpecific	16	985309	13972	703	0.51683	0.0215	0.00189	0.001144
	ChIP-Seq	105	977951	13883	8061	0.49896	0.00891	-0.00087	0.007506
CCD DCCDD ND EVE	STRING	8	986689	12432	871	0.52742	0.04104	-0.00089	0.000643
CGP-DSSPD-NR5-EXE5	NonSpecific	$\frac{13}{102}$	986854	$\frac{12427}{12338}$	706	0.51708	0.02019	0.00136	0.001045
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{102}{4}$	979496 996683	12338 2438	$8064 \\ 875$	0.49893 0.52822	0.00893 0.04062	$ 4e-05 \\ 0.00127 $	0.008199 0.001638
CGP-DSSPD-NR10-EXE1	NonSpecific	0	996839	2438 2442	719	0.52622 0.51676	0.04002	-0.00127	0.001038
COI BSSI B MICIO EMEI	ChIP-Seq	19	989304	2530	8147	0.49891	0.00893	-0.00133	0.007454
	STRING	$\frac{1}{2}$	996677	2444	877	0.52837	0.03946	-0.0001	0.000818
CGP-DSSPD-NR10-EXE2	NonSpecific	0	996835	2446	719	0.51643	0	-0.00133	0.0
	ChIP-Seq	14	989353	2481	8152	0.49856	0.00888	-0.00142	0.005611
	STRING	2	996800	2321	877	0.52798	0.03807	-3e-05	0.000861
CGP-DSSPD-NR10-EXE3	NonSpecific	3	996961	2320	716	0.51614	0.01735	0.00103	0.001291
	ChIP-Seq	25	989436	2398	8141	0.49883	0.00893	0.00118	0.010318
CCD DCCDD ND10 EVE4	STRING	2	996777	2344	877	0.52811	0.03705	-4e-05	0.000853 0.000426
CGP-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{1}{13}$	996936 989424	$2345 \\ 2410$	718 8153	$0.5165 \\ 0.49842$	0.017 0.00888	-0.00053 -0.00153	0.000426 0.005365
	STRING	0	996681	2440	879	0.49642 0.52765	0.00888	-0.00133	0.005505
CGP-DSSPD-NR10-EXE5	NonSpecific	3	996844	2437	716	0.51679	0.01656	0.00094	0.00123
	ChIP-Seq	29	989329	2505	8137	0.49886	0.00895	0.00184	0.011444
	STRING	0	997457	1664	879	0.5271	0	-0.00121	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	1	997618	1663	718	0.5164	0.01585	-0.00018	0.000601
	ChIP-Seq	158	980211	11623	8008	0.5013	0.00927	0.00636	0.013411
	STRING	4	996253	2868	875	0.52737	0.03357	0.00093	0.001393
CGP-KM-BKM-NR10-EXE2	NonSpecific	5	996414	2867	714	0.51757	0.01572	0.00205	0.001741
	ChIP-Seq STRING	50 1	978594 997209	$13240 \\ 1912$	$8116 \\ 878$	$0.50014 \\ 0.52701$	0.00912 0.03257	-0.00568 -0.00053	0.003762 0.000523
CGP-KM-BKM-NR10-EXE3	NonSpecific	$\frac{1}{2}$	997370	$1912 \\ 1911$	717	0.52701 0.51737	0.03237 0.01521	0.00053	0.000525 0.001045
COT TIME DIGITALITY	ChIP-Seq	$\frac{2}{47}$	983311	8523	8119	0.49882	0.01921 0.00897	-0.00277	0.001048
	STRING	1	997338	1783	878	0.52684	0.03165	-0.00045	0.000561
CGP- KM - BKM - $NR10$ - $EXE4$	NonSpecific	3	997500	1781	716	0.51728	0.01513	0.00152	0.001682
	ChIP-Seq	69	977880	13954	8097	0.49732	0.00881	-0.0043	0.00492
	STRING	0	997496	1625	879	0.52665	0	-0.0012	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	997656	1625	719	0.5171	0	-0.00108	0.0
	ChIP-Seq	70	983129	8705	8096	0.4974	0.00882	-0.0002	0.007977
	STRING	3	996612	2509	876	0.52653	0.0303	0.00053	0.001194
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	1	996770	2511	718	0.51669	0.0143	-0.0006	0.000398
	ChIP-Seq	29 6	988993	2841	8137	0.49779	0.00886	0.00116	0.010105
CGP-KM-DSSPD-NR10-EXE2	STRING NonSpecific	$\frac{6}{3}$	996638 996795	$2483 \\ 2486$	$\begin{array}{c} 873 \\ 716 \end{array}$	$0.52708 \\ 0.51639$	0.02995 0.01393	$0.00258 \\ 0.00091$	$\begin{array}{c} 0.002411 \\ 0.001205 \end{array}$
OI -IMI-DOI D-MILIU-EAEZ	ChIP-Seq	$\frac{3}{32}$	989036	2798	8134	0.31039 0.49805	0.01393 0.00888	0.00091 0.00186	0.001203 0.011307
	STRING	$\frac{32}{1}$	996792	$\frac{2198}{2329}$	878	0.49803 0.52661	0.00888 0.0292	-0.00130	0.011307 0.000429
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	996951	2329 2330	719	0.52601 0.51603	0.0232	-0.0013	0.000423
	ChIP-Seq	34	989099	2735	8132	0.49884	0.00896	0.00241	0.012279
	STRING	5	996741	2380	874	0.52598	0.02831	0.00201	0.002096
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	3	996899	2382	716	0.5157	0.01319	0.00098	0.001258
	ChIP-Seq	28	989037	2797	8138	0.49872	0.00895	0.00103	0.009912
	CORDINIC	3	996728	2393	876	0.52596	0.02785	0.00062	0.001252
	STRING								
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	3 8	996888 989085	2393 2749	716 8158	0.51532 0.49783	0.01284 0.00887	0.00097 -0.00308	0.001252 0.001252 0.002902

Tabela 35: Tabular results for mHSC-L problem considering the 1000nTF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	16	478572	138	138	0.54922	0.16806	0.10361	0.103896
PIDC	NonSpecific	11	478240	307	306	0.51637	0.07023	0.03401	0.034591
	ChIP-Seq	50	468554	5130	5130	0.49942	0.01196	-0.00118	0.009653
GENIE3	STRING NonSpecific	9	$478565 \\ 478237$	$\frac{145}{310}$	$\frac{145}{310}$	$0.54852 \\ 0.51757$	$0.1456 \\ 0.05981$	0.05814 0.02143	0.058442 0.022082
GENIES	ChIP-Seq	$7 \\ 49$	468552	510 5132	510 5131	0.31737 0.49843	0.03981 0.01145	-0.00137	0.022082 0.009458
	STRING	7	478563	147	147	0.43842	0.01140 0.14181	0.04515	0.005455 0.045455
GRNBOOST2	NonSpecific	5	478235	312	312	0.51748	0.05404	0.01513	0.015773
	ChIP-Seq	52	468556	5128	5128	0.49877	0.01184	-0.00079	0.010039
	STRING	0	478578	132	154	0.54796	0	-0.0003	0.0
SINCERITIES	NonSpecific	0	478265	282	317	0.51713	0	-0.00063	0.0
	ChIP-Seq	24	468864	4820	5156	0.49581	0.01087	-0.00573	0.004633
	STRING	0	478556	154	154	0.54678	0	-0.00032	0.0
PPCOR	NonSpecific	0	478229	318	317	0.51603	0	-0.00066	0.0
	ChIP-Seq STRING	51 0	$\frac{469189}{470398}$	$4495 \\ 8312$	$5129 \\ 154$	$0.49522 \\ 0.54672$	0.01113	0.00038 -0.00238	0.011219 0.0
CGP-DSSPD-NR5-EXE1	NonSpecific	9	470398 470244	8303	308	0.54672 0.51733	0.03098	0.00238 0.00217	0.001083
CGI -DSSI D-IVIG-LALI	ChIP-Seq	76	465448	8236	5104	0.49451	0.03038 0.01125	-0.00217	0.001033 0.009143
	STRING	5	470121	8589	149	0.54665	0.10926	0.00196	0.000549
CGP-DSSPD-NR5-EXE2	NonSpecific	10	469963	8584	307	0.51868	0.03121	0.00264	0.001164
	ChIP-Seq	99	465189	8495	5081	0.49497	0.01156	0.00092	0.01152
	STRING	3	470344	8366	151	0.54652	0.10758	0.00027	0.000358
CGP-DSSPD-NR5-EXE3	NonSpecific	6	470184	8363	311	0.51847	0.02981	0.00028	0.000717
	ChIP-Seq	72	465387	8297	5108	0.49352	0.01144	-0.00285	0.008603
	STRING	2	470176	8534	152	0.54633	0.10519	-0.00066	0.000234
CGP-DSSPD-NR5-EXE4	NonSpecific	5	470016	8531	312	0.51825	0.02856	-0.0004	0.000586
	ChIP-Seq STRING	$\frac{85}{2}$	465233	8451	5095	0.49243	0.01141	-0.00112	0.009958
CGP-DSSPD-NR5-EXE5	NonSpecific	$\frac{2}{10}$	$470297 \\ 470142$	$8413 \\ 8405$	$\frac{152}{307}$	$0.54626 \\ 0.51809$	$0.10442 \\ 0.02772$	-0.00063 0.00274	0.000238 0.001188
CGI -DBSI D-IVIG-LALS	ChIP-Seq	84	465353	8331	5096	0.49196	0.02112 0.01146	-0.00108	0.001188 0.009982
	STRING	0	477034	1676	154	0.54626	0.01140	-0.00106	0.003302
CGP-DSSPD-NR10-EXE1	NonSpecific	0	476871	1676	317	0.51784	0	-0.00153	0.0
	ChIP-Seq	30	471987	1697	5150	0.49279	0.01163	0.00381	0.017371
	STRING	1	477008	1702	153	0.54626	0.10442	0.00089	0.000587
CGP-DSSPD-NR10-EXE2	NonSpecific	1	476845	1702	316	0.51756	0.02531	-0.00017	0.000587
	ChIP-Seq	27	471889	1795	5153	0.49365	0.01179	0.00239	0.014819
CCD DCCDD ND10 EVE2	STRING	0	477136	1574	154	0.54613	0	-0.00103	0.0
CGP-DSSPD-NR10-EXE3	NonSpecific	$\frac{3}{27}$	$476976 \\ 472088$	$\begin{array}{c} 1571 \\ 1596 \end{array}$	$\frac{314}{5153}$	$0.51717 \\ 0.49468$	$0.0239 \\ 0.01195$	0.00278 0.00328	$0.001906 \\ 0.016636$
	ChIP-Seq STRING	0	477123	1590 1587	154	0.49408 0.54606	0.01195	-0.00103	0.010030
CGP-DSSPD-NR10-EXE4	NonSpecific	0	476960	1587	317	0.54600 0.51688	0	-0.00103	0.0
CGI BBBI B INITIO EMET	ChIP-Seq	19	472031	1653	5161	0.49481	0.01198	0.00031	0.011364
	STRING	1	476999	1711	153	0.54593	0.10082	0.00088	0.000584
CGP-DSSPD-NR10-EXE5	NonSpecific	1	476836	1711	316	0.51651	0.0219	-0.00018	0.000584
	ChIP-Seq	14	471940	1744	5166	0.49437	0.01194	-0.00168	0.007964
	STRING	0	478157	553	154	0.54567	0	-0.00061	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	477994	553	317	0.51618	0	-0.00088	0.0
	ChIP-Seq	68	465261	8423	5112	0.4927	0.01179	-0.00365	0.008008
CCD VM DVM ND10 EVE9	STRING	0	478029	681	$\frac{154}{317}$	0.54567	0	-0.00068	0.0
CGP-KM-BKM-NR10-EXE2	NonSpecific ChIP-Seq	$0 \\ 54$	$477866 \\ 468222$	681 5462	$517 \\ 5126$	$0.51603 \\ 0.49161$	$0 \\ 0.01172$	-0.00097 -0.00107	$0.0 \\ 0.00979$
	STRING	0	478117	593	154	0.49101 0.54567	0.01172	-0.00107	0.00919
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	477954	593	317	0.51598	0	-0.00091	0.0
	ChIP-Seq	41	468965	4719	5139	0.49078	0.01169	-0.00214	0.008613
	STRING	0	477972	738	154	0.54567	0	-0.00071	0.0
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	477809	738	317	0.51588	0	-0.00101	0.0
	ChIP-Seq	54	468992	4692	5126	0.49102	0.01174	0.00054	0.011378
	STRING	0	477487	1223	154	0.54561	0	-0.00091	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	477324	1223	317	0.5158	0	-0.0013	0.0
	ChIP-Seq	27	469406	4278	5153	0.48952	0.01163	-0.00419	0.006272
CGP-KM-DSSPD-NR10-EXE1	STRING	2	477053	1657	$\frac{152}{316}$	0.54534	0.09512	0.00291	0.001206
CGP-KM-DSSPD-NK10-EAE1	NonSpecific ChIP-Seq	$\frac{1}{16}$	$476889 \\ 471918$	$1658 \\ 1766$	5164	$0.51537 \\ 0.48941$	$0.01935 \\ 0.01164$	-0.00014 -0.00109	0.000603 0.008979
	STRING	10	471918 477152	1558	153	0.48941 0.54482	0.01104 0.09077	0.00109	0.000919 0.000641
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	$\frac{1}{2}$	477132 476990	1558 1557	315	0.54462 0.51661	0.09077 0.01971	0.00102 0.00138	0.00041 0.001283
	ChIP-Seq	28	471976	1708	5152	0.49019	0.01371 0.01174	0.00130	0.001209
	STRING	0	477089	1621	154	0.54469	0	-0.00104	0.0
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	1	476927	1620	316	0.51597	0.01866	-0.0001	0.000617
	ChIP-Seq	37	471927	1757	5143	0.49154	0.01189	0.00581	0.020624
	STRING	0	477063	1647	154	0.54462	0	-0.00105	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	1	476901	1646	316	0.51704	0.01882	-0.00013	0.000607
	ChIP-Seq	17	471902	1782	5163	0.4911	0.01186	-0.00081	0.00945
CCD VM DCCDD MD40 EVE	STRING	1	477133	1577	153	0.54449	0.08832	0.001	0.000634
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	0	476969	1578	317 5148	0.5165	$0 \\ 0.01197$	-0.00148	0.0
	ChIP-Seq	32	471904	1780	5148	0.49217	0.01197	0.00408	0.01766

3.2 Considering Self-Loop

Tabela 36: Tabular results for hESC problem considering the 1000nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	0	999149	426	425	0.49984	0	-0.00043	0.0
PIDC	NonSpecific	0	998528	740	732	0.49996	0	-0.00074	0.0
	ChIP-Seq	8	995770	2116	2106	0.50122	0.00713	0.00166	0.003752
CENTES	STRING	0	999150	425	425	0.49975	0	-0.00042	$0.0 \\ 0.0$
GENIE3	NonSpecific ChIP-Seq	$0 \\ 15$	998529 995771	$739 \\ 2115$	$732 \\ 2099$	$0.49972 \\ 0.50333$	$0 \\ 0.00904$	-0.00074 0.00496	0.007039
	STRING	0	999150	$\frac{2115}{425}$	425	0.49957	0.00904	-0.00496	0.007039
GRNBOOST2	NonSpecific	0	998529	739	732	0.49956	0	-0.00042	0.0
GILI (BOOS 12	ChIP-Seq	11	995770	2116	2103	0.50354	0.00836	0.00307	0.005162
	STRING	0	0	0	0	0	0	0	0
SINCERITIES	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
CCD DCCDD ND DVD1	STRING	0	999068	507	425	0.49934	0	-0.00046	0.0
CGP-DSSPD-NR5-EXE1	NonSpecific	9	981129	18139	723	0.49922	0.00146	-0.00119	0.000486
	ChIP-Seq STRING	$\begin{array}{c} 31 \\ 0 \end{array}$	979769 999049	$18117 \\ 526$	$2083 \\ 425$	$0.50276 \\ 0.49926$	0.00589	-0.0012 -0.00047	$0.001674 \\ 0.0$
CGP-DSSPD-NR5-EXE2	NonSpecific	5	980911	18357	727	0.49920 0.49889	0.00146	-0.00047 -0.00232	0.000268
CGI -DBSI D-MG-LAE2	ChIP-Seq	$\frac{3}{24}$	979547	18339	2091	0.49339 0.50178	0.00140 0.00477	-0.00232	0.000203 0.001284
	STRING	0	999060	515	425	0.49914	0.00411	-0.00247	0.001204
CGP-DSSPD-NR5-EXE3	NonSpecific	14	981168	18100	718	0.4986	0.00146	0.0002	0.000758
	ChIP-Seq	33	979804	18082	2082	0.50115	0.00431	-0.00087	0.001786
	STRING	0	999055	520	425	0.49908	0	-0.00047	0.0
CGP-DSSPD-NR5-EXE4	NonSpecific	8	981758	17510	724	0.49836	0.00146	-0.00136	0.000448
	ChIP-Seq	22	980390	17496	2092	0.50149	0.00436	-0.00249	0.001232
	STRING	0	999084	491	425	0.49898	0	-0.00046	0.0
CGP-DSSPD-NR5-EXE5	NonSpecific	5	981105	18163	727	0.49813	0.00146	-0.0023	0.000271
	ChIP-Seq	24	979742	18144	2090	0.50135	0.00424	-0.00235	0.001299
CCD DCCDD ND10 EVE1	STRING	$\frac{2}{c}$	995950	3625	423	0.4989	0.00424	0.00037	0.00054
CGP-DSSPD-NR10-EXE1	NonSpecific	6	995647	3621	726	0.49784	0.00146	0.00206	0.001619
	ChIP-Seq STRING	$\frac{5}{2}$	994264 995953	$3622 \\ 3622$	$\frac{2109}{423}$	$0.50119 \\ 0.49871$	0.00415 0.00424	-0.00097 0.00037	0.001349 0.000542
CGP-DSSPD-NR10-EXE2	NonSpecific	0	995644	3624	732	0.49753	0.00424	-0.00163	0.000342
CGI -DSSI D-MIIIO-EXE2	ChIP-Seq	10	994272	3614	2104	0.49733 0.50073	0.004	0.00085	0.00271
	STRING	0	996763	2812	425	0.49857	0	-0.0011	0.00211
CGP-DSSPD-NR10-EXE3	NonSpecific	4	996460	2808	728	0.49718	0.00146	0.00136	0.001392
	ChIP-Seq	10	995084	2802	2104	0.50122	0.0041	0.00167	0.003481
	STRING	2	995746	3829	423	0.49846	0.00424	0.00029	0.000511
CGP-DSSPD-NR10-EXE4	NonSpecific	0	995437	3831	732	0.4969	0	-0.00168	0.0
	ChIP-Seq	4	994059	3827	2110	0.50078	0.00399	-0.00145	0.001021
CCD DCCDD ND40 EVE	STRING	0	995753	3822	425	0.49825	0	-0.00128	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	4	995450	3818	728	0.49799	0.00205	0.00072	0.001025
	ChIP-Seq STRING	$\begin{array}{c} 12 \\ 0 \end{array}$	994076 996692	$\frac{3810}{2883}$	$\frac{2102}{425}$	$0.50111 \\ 0.49802$	0.00404	0.00138 -0.00111	$0.003075 \\ 0.0$
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	996385	2883	732	0.49802 0.49758	0	-0.00111	$0.0 \\ 0.0$
OGI -KW-BKW-WUO-EZEI	ChIP-Seq	5	995008	2878	2109	0.49730 0.50079	0.00397	-0.00143	0.001712
	STRING	0	998961	614	425	0.49788	0.00031	-0.00051	0.001112
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	998313	955	732	0.49732	0	-0.00084	0.0
	ChIP-Seq	11	994746	3140	2103	0.50154	0.00408	0.00169	0.003416
	STRING	0	998876	699	425	0.49775	0	-0.00055	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	997418	1850	732	0.49716	0	-0.00117	0.0
	ChIP-Seq	9	995725	2161	2105	0.50252	0.00422	0.00206	0.004117
	STRING	1	996435	3140	424	0.49762	0.00424	-0.00029	0.000312
CGP-KM-BKM-NR10-EXE4	NonSpecific	5	996132	3136	727	0.49762	0.00214	0.00178	0.001559
	ChIP-Seq	4	994749	3137	2110	0.50217	0.00415	-0.00103	0.001247
CCD I/M DI/M ND10 EVE	STRING	0	997819	1756	425	0.4973	0	-0.00086	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	997512	1756	732	0.49731	0 00400	-0.00113	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{3}{0}$	993503 998756	$4383 \\ 819$	$2111 \\ 425$	$0.50174 \\ 0.49697$	$0.00408 \\ 0$	-0.00207 -0.00059	0.000672 0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	998449	819	732	0.49697 0.49696	0	-0.00039	0.0
CGI -IXM-DSSI D-IVICIO-EXEI	ChIP-Seq	7	994610	3276	2107	0.49030 0.50181	0.00408	2e-05	0.002096
	STRING	0	998716	859	425	0.49668	0.00100	-0.0006	0.002000
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0	998409	859	732	0.49662	0	-0.00079	0.0
	ChIP-Seq	6	994497	3389	2108	0.50143	0.00402	-0.00044	0.001728
	STRING	1	996902	2673	424	0.49633	0.00424	-0.00013	0.000366
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	$\overline{2}$	996596	2672	730	0.49631	0.00198	3e-05	0.000732
-	ChIP-Seq	5	995217	2669	2109	0.50126	0.004	-0.00028	0.001829
	STRING	0	998620	955	425	0.4961	0	-0.00064	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0	998313	955	732	0.49596	0	-0.00084	0.0
	ChIP-Seq	5	994633	3253	2109	0.50092	0.00396	-0.00072	0.001499
	STRING	0	998669	906	425	0.49586	0	-0.00062	0.0
CCD KM DCCDD ND10 EVER	NonSpecific	0	998362	906	732	0.49562	0	-0.00081	0.0
CGP-KM-DSSPD-NR10-EXE5	ChIP-Seq	1	994387	3499	2113	0.50011	0.00387	-0.00236	0.000281

Tabela 37: Tabular results for hHep problem considering the 1000nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	6	997823	1064	1107	0.50177	0.01844	0.00441	0.005386
PIDC	NonSpecific	0	999419	286	295	0.49989	0	-0.00029	0.0
	ChIP-Seq	3	995822	2075	2100	0.49981	0.00284	-0.00066	0.001406
CIENTIES	STRING	5	997779	1108	1108	0.50189	0.01365	0.00338	0.004492
GENIE3	NonSpecific ChIP-Seq	0 1	999408 995765	$297 \\ 2132$	$\frac{295}{2102}$	0.49974 0.49924	$0 \\ 0.00236$	-0.0003 -0.00165	$0.0 \\ 0.000469$
	STRING	7	997782	1105	1102	0.49924 0.50232	0.00230 0.0137	0.00103 0.00519	0.000409 0.006289
GRNBOOST2	NonSpecific	0	999408	297	295	0.49967	0.0137	-0.0003	0.000289
0101000512	ChIP-Seq	4	995771	2126	2099	0.4997	0.00288	-0.00023	0.001875
	STRING	1	997792	1095	1112	0.50238	0.01327	-0.0002	0.000898
SINCERITIES	NonSpecific	0	999411	294	295	0.49941	0	-0.0003	0.0
	ChIP-Seq	2	995797	2100	2101	0.49925	0.00271	-0.00115	0.000937
	STRING	0	997901	986	1113	0.50091	0	-0.00105	0.0
PPCOR	NonSpecific	0	998719	986	295	0.49868	0	-0.00054	0.0
	ChIP-Seq	0	996911	986	2103	0.49865	0	-0.00144	0.0
CGP-DSSPD-NR5-EXE1	STRING NonSpecific	24	980857 999282	$18030 \\ 423$	1089	0.50083	0.01037	0.00088	0.001296 0.0
CGP-D55PD-NR5-EAE1	ChIP-Seq	$0 \\ 75$	999282	$\frac{423}{17980}$	$\frac{295}{2029}$	$0.49852 \\ 0.5007$	$0 \\ 0.00342$	-0.00035 0.00607	0.004051
	STRING	21	980552	18335	1092	0.5007 0.5003	0.00342 0.00985	0.00007	0.004031 0.001116
CGP-DSSPD-NR5-EXE2	NonSpecific	0	999249	456	295	0.49846	0.00303	-0.00037	0.0
	ChIP-Seq	66	979606	18291	2038	0.50125	0.00354	0.00445	0.003508
	STRING	24	980107	18780	1089	0.50027	0.00981	0.00068	0.001245
CGP-DSSPD-NR5-EXE3	NonSpecific	1	999277	428	294	0.49842	0.00334	0.00246	0.002217
	ChIP-Seq	41	979133	18764	2063	0.50132	0.0035	0.00023	0.002127
	STRING	25	980441	18446	1088	0.50067	0.01008	0.00099	0.001322
CGP-DSSPD-NR5-EXE4	NonSpecific	0	999275	430	295	0.4984	0	-0.00036	0.0
	ChIP-Seq	34	979460	18437	2069	0.50139	0.00347	-0.00078	0.001797
CGP-DSSPD-NR5-EXE5	STRING NonSpecific	$\frac{24}{0}$	980222 999256	$18665 \\ 449$	$1089 \\ 295$	$0.5006 \\ 0.49834$	$0.01 \\ 0$	0.00071 -0.00036	0.001253 0.0
CGF-DSSFD-NRS-EAES	ChIP-Seq	33	979239	18658	293 2072	0.49634 0.50123	0.0034	-0.00102	0.001723
	STRING	6	995090	3797	1107	0.50129 0.50069	0.01004	0.00086	0.001720 0.001541
CGP-DSSPD-NR10-EXE1	NonSpecific	$\overset{\circ}{2}$	995904	3801	293	0.49827	0.00334	0.00083	0.000514
	ChIP-Seq	6	994100	3797	2097	0.50052	0.00325	-0.00071	0.001541
	STRING	5	994798	4089	1108	0.50029	0.00978	0.00021	0.00119
CGP-DSSPD-NR10-EXE2	NonSpecific	0	999408	297	295	0.49822	0	-0.0003	0.0
	ChIP-Seq	8	993811		2095	0.50033	0.00321	-0.00021	
GGD DGGDD ND10 EVE9	STRING	3	997342	1545	1110	0.50031	0.00978	0.00097	0.001875
CGP-DSSPD-NR10-EXE3	NonSpecific ChIP-Seq	$0 \\ 15$	999034 992373	671 5524	$\frac{295}{2088}$	0.49817 0.50086	$0 \\ 0.00328$	-0.00044 0.00099	$0.0 \\ 0.002634$
	STRING	$\frac{15}{4}$	992373	3720	1109	0.50086 0.50078	0.00328 0.01003	-7e-05	0.002034 0.001039
CGP-DSSPD-NR10-EXE4	NonSpecific	0	999422	283	295	0.49812	0.01000	-0.00029	0.001003
	ChIP-Seq	22	994195	3702	2081	0.50113	0.00331	0.00508	0.005716
	STRING	2	995065	3822	1111	0.50037	0.0098	-0.0011	0.00051
CGP-DSSPD-NR10-EXE5	NonSpecific	2	995883	3822	293	0.49804	0.00334	0.00082	0.00051
	ChIP-Seq	14	994087	3810	2089	0.50238	0.00346	0.00211	0.003573
	STRING	3	996549	2338	1110	0.50057	0.00989	0.00024	0.001253
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	997364	2341	295	0.49789	0	-0.00083	0.0
	ChIP-Seq STRING	$0 \\ 3$	995556 996971	$2341 \\ 1916$	$2103 \\ 1110$	$0.50131 \\ 0.50032$	$0 \\ 0.00977$	-0.00222 0.00059	$0.0 \\ 0.001549$
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	997786	1910 1919	$\frac{1110}{295}$	0.30032 0.49785	0.00911	-0.00039	0.001349
CGI -IXMI-DIXMI-IVIQIO-DIXD2	ChIP-Seq	0	995495	$\frac{1313}{2402}$	2103	0.50056	0	-0.00225	0.0
	STRING	$\overset{\circ}{2}$	997269	1618	1111	0.49987	0.00954	0.00015	0.001224
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	998085	1620	295	0.49775	0	-0.00069	0.0
	ChIP-Seq	0	995781	2116	2103	0.49994	0	-0.00211	0.0
	STRING	5	996727	2160	1108	0.49957	0.00941	0.00167	0.002282
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	997540	2165	295	0.49771	0	-0.0008	0.0
	ChIP-Seq	0	995732	2165	2103	0.49943	0	-0.00214	0.0
CGP-KM-BKM-NR10-EXE5	STRING NonSpecific	5	996196 997009	$2691 \\ 2696$	$\frac{1108}{295}$	$0.49921 \\ 0.49761$	0.00925	0.00116 -0.00089	0.001825 0.0
CGF-KM-DKM-NKI0-EAE5	ChIP-Seq	$0 \\ 0$	995201	2696	$\frac{293}{2103}$	0.49701 0.49882	$0 \\ 0$	-0.00039	0.0
	STRING	5	996042	2845	1108	0.49846	0.00897	0.00103	0.001702
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	0	996855	2850	295	0.49749	0	-0.00092	0.0
	ChIP-Seq	6	995053	2844	2097	0.49853	0.00301	0	0.002042
	STRING	4	995232	3655	1109	0.49866	0.0091	-4e-05	0.00106
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	2	996048	3657	293	0.49736	0.00334	0.00089	0.00053
	ChIP-Seq	4	994242	3655	2099	0.49823	0.00299	-0.00134	0.00106
COD WA DOODD ADAG EVEG	STRING	0	997566	1321	1113	0.49857	0	-0.00121	0.0
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	998384	1321	$\frac{295}{2002}$	0.49732	0 00204	-0.00063	0.0
	ChIP-Seq STRING	$\frac{10}{3}$	993840 996012	$4057 \\ 2875$	$2093 \\ 1110$	$0.4976 \\ 0.49891$	0.00294 0.00921	0.0005 -0.00011	0.002395 0.001002
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	3 2	996012	2876	$\frac{1110}{293}$	0.49891 0.49726	0.00921 0.00334	0.00011 0.00125	0.001002 0.000668
COL-IMI-DOOLD-MILIU-EAE4	ChIP-Seq	0	995019	$\frac{2870}{2878}$	$\frac{293}{2103}$	0.49720 0.49662	0.00554	-0.00125	0.00
	STRING	7	994043	4844	1106	0.49876	0.00918	0.00069	0.001406
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	0	994854	4851	295	0.49721	0	-0.0012	0.0
	ChIP-Seq	11	993057	4840	2092	0.49758	0.00296	0.00025	0.00221

Tabela 38: Tabular results for mDC problem considering the 1000nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	6	998307	844	843	0.50293	0.04438	0.00622	0.007059
PIDC	NonSpecific	0	998980	510	510	0.49961	0	-0.00051	0.0
	ChIP-Seq STRING	1	999381	309 848	309	0.50147	0.0273	0.00292	0.003226 0.001178
GENIE3	NonSpecific	1 1	998303 998981	509	848 509	0.50299 0.50031	0.03118 0.0085	0.00033 0.00145	0.001178 0.001961
GENIES	ChIP-Seq	0	999380	310	310	0.50031 0.50131	0.0000	-0.00031	0.001301
	STRING	$\overset{\circ}{2}$	998304	847	847	0.50338	0.03008	0.00151	0.002356
GRNBOOST2	NonSpecific	0	998980	510	510	0.50018	0	-0.00051	0.0
	ChIP-Seq	0	999380	310	310	0.50124	0	-0.00031	0.0
CINCEPTENTS	STRING	0	998348	803	849	0.50284	0	-0.00083	0.0
SINCERITIES	NonSpecific	0	999006	484	510	0.50014	0	-0.0005	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	0	999396 998151	$\frac{294}{1000}$	310 849	0.50099 0.50114	0	-0.0003 -0.00092	$0.0 \\ 0.0$
PPCOR	NonSpecific	0	998490	1000	510	0.30114 0.49914	0	-0.00092	0.0
	ChIP-Seq	0	998690	1000	310	0.50032	0	-0.00056	0.0
	STRING	15	977808	21343	834	0.50092	0.01531	-0.00074	0.000702
CGP-DSSPD-NR5-EXE1	NonSpecific	10	978142	21348	500	0.49891	0.00508	-0.00027	0.000468
	ChIP-Seq	7	978339	21351	303	0.5001	0.00473	0.00015	0.000328
CCD DCCDD ND FEVE	STRING	15	978000	21151	834	0.50239	0.01758	-0.00071	0.000709
CGP-DSSPD-NR5-EXE2	NonSpecific ChIP-Seq	8 5	978332 978529	$21158 \\ 21161$	$\frac{502}{305}$	0.49968 0.49991	0.00641 0.00446	-0.00086 -0.00062	0.000378 0.000236
	STRING	$\frac{3}{17}$	978184	20967	832	0.49991 0.50261	0.00440 0.0176	-0.00002	0.000236 0.00081
CGP-DSSPD-NR5-EXE3	NonSpecific	10	978516	20974	500	0.49944	0.00613	-0.00013	0.000477
COL DESIL PROPERTY	ChIP-Seq	7	978713	20977	303	0.4997	0.00423	0.0002	0.000334
	STRING	17	978365	20786	832	0.50293	0.01782	-0.00016	0.000817
CGP-DSSPD-NR5-EXE4	NonSpecific	13	978700	20790	497	0.49926	0.00595	0.00074	0.000625
	ChIP-Seq	9	978896	20794	301	0.49945	0.00401	0.00102	0.000433
CCD DCCDD ND FEVE	STRING	$\frac{17}{7}$	978654	20497	832	0.50275	0.01744	-0.0001	0.000829
CGP-DSSPD-NR5-EXE5	NonSpecific	7	978983	20507	503	0.49908	0.00579	-0.00108	0.000341
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	8 9	979184 995217	$20506 \\ 3934$	$302 \\ 840$	0.49924 0.50234	$0.00386 \\ 0.01664$	$0.00066 \\ 0.0031$	0.00039 0.002283
CGP-DSSPD-NR10-EXE1	NonSpecific	$\frac{3}{3}$	995550	3940	507	0.30234 0.49889	0.01004 0.00565	0.0001	0.002263 0.000761
COL BOOL B THEO BREE	ChIP-Seq	1	995748	3942	309	0.49905	0.00375	-0.0002	0.000751
	STRING	7	994791	4360	842	0.5026	0.01677	0.00171	0.001603
CGP-DSSPD-NR10-EXE2	NonSpecific	4	995127	4363	506	0.49871	0.00553	0.00119	0.000916
	ChIP-Seq	1	995324	4366	309	0.49888	0.00366	-0.0003	0.000229
CCD DCCDD ND10 EVE2	STRING	2	995045	4106	847	0.50276	0.01675	-0.0008	0.000487
CGP-DSSPD-NR10-EXE3	NonSpecific ChIP-Seq	$\frac{1}{0}$	995383 995582	$4107 \\ 4108$	$509 \\ 310$	$0.49951 \\ 0.49872$	0.00639	-0.00076 -0.00113	0.000243 0.0
	STRING	$\frac{0}{3}$	99362	4454	846	0.49872 0.50244	$0 \\ 0.01626$	-0.00113	0.000673
CGP-DSSPD-NR10-EXE4	NonSpecific	3	995036	4454	507	0.49927	0.01626	0.0004	0.000673
	ChIP-Seq	0	995233	4457	310	0.49861	0	-0.00118	0.0
	STRING	1	994973	4178	848	0.50205	0.01573	-0.00136	0.000239
CGP-DSSPD-NR10-EXE5	NonSpecific	3	995314	4176	507	0.49905	0.00605	0.0006	0.000718
	ChIP-Seq	3	995514	4176	307	0.49844	0.00348	0.0015	0.000718
CGP-KM-BKM-NR10-EXE1	STRING NonSpecific	0	997680 998019	$1471 \\ 1471$	$849 \\ 510$	$0.50149 \\ 0.49891$	0	-0.00112 -0.00087	$0.0 \\ 0.0$
CGF-KM-DKM-NKIU-EAEI	NonSpecific ChIP-Seq	$0 \\ 0$	998019	$\frac{1471}{1471}$	310	0.49891 0.49826	0	-0.00087	0.0
	STRING	0	998147	1004	849	0.49020 0.50122	0	-0.00092	0.0
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	998486	1004	510	0.49873	0	-0.00072	0.0
	ChIP-Seq	0	998686	1004	310	0.49811	0	-0.00056	0.0
	STRING	0	997661	1490	849	0.50057	0	-0.00113	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	0	998000	1490	510	0.49868	0	-0.00087	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	0	998200	$1490 \\ 1433$	310	0.49806	$0 \\ 0.01462$	-0.00068	$0.0 \\ 0.000697$
CGP-KM-BKM-NR10-EXE4	NonSpecific	$\frac{1}{0}$	997718 998056	1433 1434	$848 \\ 510$	$0.50111 \\ 0.49835$	0.01462	-0.0002 -0.00086	0.000097
CGI -IXM-DIXM-IVICIO-EXE4	ChIP-Seq	0	998256	1434	310	0.49781	0	-0.00067	0.0
	STRING	1	996366	2785	848	0.50054	0.01414	-0.00089	0.000359
$CGP ext{-}KM ext{-}BKM ext{-}NR10 ext{-}EXE5$	NonSpecific	3	996707	2783	507	0.49825	0.0056	0.00133	0.001077
	ChIP- Seq	0	996904	2786	310	0.49764	0	-0.00093	0.0
	STRING	4	995423	3728	845	0.50088	0.0144	0.00047	0.001072
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	3	995761	3729	507	0.49906	0.00622	0.0008	0.000804
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{3}{7}$	995961 995690	$3729 \\ 3461$	$307 \\ 842$	$0.49912 \\ 0.50115$	0.00414 0.01459	$0.00172 \\ 0.00237$	0.000804 0.002018
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	$\frac{7}{3}$	996025	$3461 \\ 3465$	507	0.50115 0.49892	0.01459 0.00614	0.00237 0.00093	0.002018 0.000865
SSI IIII DOSI D-MILIO-LIMEZ	ChIP-Seq	1	996223	3467	309	0.49892 0.49892	0.00014 0.00406	-7e-05	0.000303
	STRING	3	995567	3584	846	0.5008	0.01432	-3e-05	0.000836
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	2	995905	3585	508	0.49879	0.00607	0.00013	0.000558
	ChIP-Seq	1	996104	3586	309	0.49877	0.00401	-0.00011	0.000279
	STRING	6	995402	3749	843	0.50051	0.01413	0.00158	0.001598
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	1	995736	3754	509	0.49958	0.00661	-0.00066	0.000266
	ChIP-Seq STRING	$\frac{1}{7}$	995936 995391	$3754 \\ 3760$	$309 \\ 842$	$0.49862 \\ 0.50198$	$0.00395 \\ 0.01514$	-0.00015 0.00213	0.000266 0.001858
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	6	995391 995729	$3760 \\ 3761$	504	0.50198 0.49942	0.01514 0.00651	0.00213 0.00295	0.001858 0.001593
COL THE DOOR DESIGNATION DATE.	ChIP-Seq	2	995925	$3761 \\ 3765$	$304 \\ 308$	0.49942 0.50007	0.00031 0.00471	0.00293 0.00077	0.001533 0.000531
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Tabela 39: Tabular results for mESC problem considering the 1000nTF configuration with self-loop.

GENIE3 NonSpecific ChIP-Seq (ChIP-Seq 293) 97696 1147 (1147) 0.50349 (0.01435) 0.00749 (0.01435) GRNBOOST2 ChIP-Seq (ChIP-Seq 293) 977901 10903 (0.003) 0.50712 (0.02465) 0.01514 (0.02906) GRNBOOST2 NonSpecific 11 (0.008) 998609 (0.00836) 685 (0.51875) 0.01446 (0.00836) ChIP-Seq (0.014) 288 (0.008) 10908 (0.008) 0.50859 (0.02495) 0.01469 (0.00836) STRING (0.008) 998602 (0.009) 692 (0.0098) 0.05859 (0.02495) 0.01469 (0.00836) SINCERITIES NonSpecific (0.008) 997714 (0.008) 1129 (0.0088) 1154 (0.50582) 0.01179 (0.00148) ChIP-Seq (0.008) 978117 (0.008) 11076 (0.50896) 0.02359 (0.0098) -9e-05 PPCOR (0.008) NonSpecific (0.0098) 997843 (0.000) 11076 (0.50896) 0.02359 (0.0008) PPCOR (0.008) NonSpecific (0.0098) 997843 (0.000) 11196 (0.50832) 0.00008 CGP-DSSPD-NR5-EXE1 (0.0098) NonSpecific (0.0098) 1979532 (0.0098) 19762 (0.0098) 0.50432 (0.00766) 0.00016 CGP-DSSPD-NR5-EXE2 (0.0098) NonSpecific	$\begin{array}{c} 0.007082 \\ 0.0 \\ 0.01697 \\ 0.029745 \\ 0.008643 \\ 0.02617 \\ 0.029745 \\ 0.009507 \\ 0.025723 \\ 0.001416 \\ 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
ChIP-Seq 190 977798 11006 11006 0.50356 0.02519 0.00584 0.02906 0.02519 0.00584 0.02906 0.00584 0.02906 0.00584 0.02906 0.00584 0.02906 0.00584 0.00749 0.00584 0.00749 0.00584 0.00749 0.00584 0.00749 0.00584 0.00749 0.00584 0.	$\begin{array}{c} 0.01697 \\ 0.029745 \\ 0.008643 \\ 0.02617 \\ 0.029745 \\ 0.009507 \\ 0.025723 \\ 0.001416 \\ 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
GENIE3 STRING 21 998609 685 685 0.51357 0.07868 0.02906 GENIE3 NonSpecific 10 997696 1147 1147 0.50349 0.01435 0.00749 ChIP-Seq 293 977901 10903 10903 0.50712 0.02465 0.01514 GRNBOOST2 NonSpecific 11 997697 1146 1146 0.50523 0.01446 0.00836 ChIP-Seq 288 977896 10908 10908 0.50859 0.02495 0.01469 STRING 1 998602 692 705 0.51875 0.06569 0.00073 SINCERITIES NonSpecific 3 997714 1129 1154 0.50852 0.01179 0.00148 PPCOR NonSpecific 3 997817 10687 11076 0.50896 0.02359 -9e-05 STRING 0 997843 1000 7157 0.50482 0 -0.00164 CGP-DSSPD-NR5-EXE1	$\begin{array}{c} 0.029745 \\ 0.008643 \\ 0.02617 \\ 0.029745 \\ 0.009507 \\ 0.025723 \\ 0.001416 \\ 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
GENIE3 NonSpecific ChIP-Seq (ChIP-Seq (DHP-Seq (DHP-S	$\begin{array}{c} 0.008643 \\ 0.02617 \\ 0.029745 \\ 0.009507 \\ 0.025723 \\ 0.001416 \\ 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
ChiP-Seq 293 977901 10903 10903 0.50712 0.02465 0.01514 STRING 21 998609 685 685 0.51875 0.08156 0.02906 GRNBOOST2 NonSpecific 11 997697 1146 1146 0.50523 0.01446 0.00836 ChiP-Seq 288 977896 10908 10908 0.50859 0.02495 0.01469 STRING 1 998602 692 705 0.51875 0.06569 0.0073 SINCERITIES NonSpecific 3 997714 1129 1154 0.50582 0.01179 0.00148 ChiP-Seq 120 978117 10687 11076 0.50896 0.02359 -9e-05 STRING 0 998294 1000 706 0.51719 0 -0.00084 PPCOR NonSpecific 0 997843 1000 1157 0.50482 0 -0.00108 ChiP-Seq 0 987804 1000 11196 0.50832 0 -0.00108 ChiP-Seq 15 979532 19762 691 0.51691 0.04482 0.00028 CGP-DSSPD-NR5-EXE1 NonSpecific 22 979088 19755 1135 0.5043 0.00785 -0.00019 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChiP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.00055 Contraction 20 2008 2	$\begin{array}{c} 0.02617 \\ 0.029745 \\ 0.009507 \\ 0.025723 \\ 0.001416 \\ 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
GRNBOOST2 STRING 21 998609 685 685 0.51875 0.08156 0.02906 GRNBOOST2 NonSpecific 11 997697 1146 1146 0.50523 0.01446 0.00836 ChIP-Seq 288 977896 10908 10908 0.50859 0.02495 0.01469 STRING 1 998602 692 705 0.51875 0.06569 0.00073 SINCERITIES NonSpecific 3 997714 1129 1154 0.50882 0.01179 0.00148 ChIP-Seq 120 978117 10687 11076 0.50896 0.02359 -9e-05 STRING 0 998294 1000 706 0.51719 0 -0.00108 PPCOR NonSpecific 0 997843 1000 1157 0.50482 0 -0.00108 CGP-DSSPD-NR5-EXE1 NonSpecific 2 979532 19762 691 0.51691 0.04482 0.00019 CGP-DSSPD-NR5-EXE2	$\begin{array}{c} 0.029745 \\ 0.009507 \\ 0.025723 \\ 0.001416 \\ 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
ChiP-Seq 288 977896 10908 10908 0.50859 0.02495 0.01469 STRING 1 998602 692 705 0.51875 0.06569 0.00073 SINCERITIES NonSpecific 3 997714 1129 1154 0.50582 0.01179 0.00148 ChiP-Seq 120 978117 10687 11076 0.50896 0.02359 -9e-05 STRING 0 998294 1000 706 0.51719 0 -0.00084 PPCOR NonSpecific 0 997843 1000 1157 0.50482 0 -0.00108 ChiP-Seq 0 987804 1000 11196 0.50832 0 -0.00337 STRING 15 979532 19762 691 0.51691 0.04482 0.00028 CGP-DSSPD-NR5-EXE1 NonSpecific 22 979088 19755 1135 0.5043 0.00785 -0.00019 ChiP-Seq 198 969225 19579 10998 0.50727 0.02186 -0.0016 STRING 13 980006 19288 693 0.51658 0.04276 -0.00017 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChiP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.00055	$\begin{array}{c} 0.025723 \\ 0.001416 \\ 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
SINCERITIES NonSpecific 3 998602 692 705 0.51875 0.06569 0.00073 0.00148 0.0	$\begin{array}{c} 0.001416 \\ 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
SINCERITIES NonSpecific ChIP-Seq 3 997714 1129 1154 0.50582 0.01179 0.00148 ChIP-Seq 120 978117 10687 11076 0.50896 0.02359 -9e-05 STRING 0 998294 1000 706 0.51719 0 -0.00084 PPCOR NonSpecific 0 997843 1000 1157 0.50482 0 -0.00108 ChIP-Seq 0 987804 1000 11196 0.50832 0 -0.00337 STRING 15 979532 19762 691 0.51691 0.04482 0.00028 CGP-DSSPD-NR5-EXE1 NonSpecific 22 979088 19755 1135 0.5043 0.00785 -0.00019 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00014 <t< td=""><td>$\begin{array}{c} 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$</td></t<>	$\begin{array}{c} 0.002593 \\ 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
ChIP-Seq 120 978117 10687 11076 0.50896 0.02359 -9e-05 STRING 0 998294 1000 706 0.51719 0 -0.00084 PPCOR NonSpecific 0 997843 1000 1157 0.50482 0 -0.00108 ChIP-Seq 0 987804 1000 11196 0.50832 0 -0.00337 STRING 15 979532 19762 691 0.51691 0.04482 0.00028 CGP-DSSPD-NR5-EXE1 NonSpecific 22 979088 19755 1135 0.5043 0.00785 -0.00019 ChIP-Seq 198 969225 19579 10998 0.50727 0.02186 -0.0016 STRING 13 980006 19288 693 0.51658 0.04276 -0.0017 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.010718 \\ 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
PPCOR STRING 0 998294 1000 706 0.51719 0 -0.00084 PPCOR NonSpecific 0 997843 1000 1157 0.50482 0 -0.00108 ChIP-Seq 0 987804 1000 11196 0.50832 0 -0.00337 STRING 15 979532 19762 691 0.51691 0.04482 0.00028 CGP-DSSPD-NR5-EXE1 NonSpecific 22 979088 19755 1135 0.5043 0.00785 -0.00019 ChIP-Seq 198 969225 19579 10998 0.50727 0.02186 -0.0016 STRING 13 980006 19288 693 0.51658 0.04276 -0.00017 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12	$\begin{array}{c} 0.0 \\ 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
PPCOR NonSpecific ChIP-Seq 0 997843 1000 1157 0.50482 0 -0.00108 ChIP-Seq 0 987804 1000 11196 0.50832 0 -0.00337 STRING 15 979532 19762 691 0.51691 0.04482 0.00028 CGP-DSSPD-NR5-EXE1 NonSpecific 22 979088 19755 1135 0.5043 0.00785 -0.00019 ChIP-Seq 198 969225 19579 10998 0.50727 0.02186 -0.0016 STRING 13 980006 19288 693 0.51658 0.04276 -0.00017 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.0 \\ 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
ChIP-Seq 0 987804 1000 11196 0.50832 0 -0.00337 STRING 15 979532 19762 691 0.51691 0.04482 0.00028 CGP-DSSPD-NR5-EXE1 NonSpecific 22 979088 19755 1135 0.5043 0.00785 -0.00019 ChIP-Seq 198 969225 19579 10998 0.50727 0.02186 -0.0016 STRING 13 980006 19288 693 0.51658 0.04276 -0.00017 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.0 \\ 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
CGP-DSSPD-NR5-EXE1 STRING 15 979532 19762 691 0.51691 0.04482 0.00028 CGP-DSSPD-NR5-EXE1 NonSpecific 22 979088 19755 1135 0.5043 0.00785 -0.00019 ChIP-Seq 198 969225 19579 10998 0.50727 0.02186 -0.0016 STRING 13 980006 19288 693 0.51658 0.04276 -0.00017 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.000758 \\ 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
CGP-DSSPD-NR5-EXE1 NonSpecific ChIP-Seq 22 979088 19755 1135 0.5043 0.00785 -0.00019 ChIP-Seq 198 969225 19579 10998 0.50727 0.02186 -0.0016 STRING 13 980006 19288 693 0.51658 0.04276 -0.00017 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.001112 \\ 0.010012 \\ 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
STRING 13 980006 19288 693 0.51658 0.04276 -0.00017 CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.000674 \\ 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
CGP-DSSPD-NR5-EXE2 NonSpecific 29 979571 19272 1128 0.50462 0.00766 0.00143 ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.001503 \\ 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
ChIP-Seq 224 969727 19077 10972 0.50731 0.02138 0.00055 STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.011606 \\ 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
STRING 12 979686 19608 694 0.51642 0.04185 -0.0005	$\begin{array}{c} 0.000612 \\ 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
	$\begin{array}{c} 0.000917 \\ 0.011927 \\ 0.001157 \end{array}$
- UP-D-55PD-NB 5-P-X P-5 NOD5DPCDC 15 979241 19002 1159 U 50412 U 00711 -0 001	$\begin{array}{c} 0.011927 \\ 0.001157 \end{array}$
•	0.001157
•	
	0.001559
•	0.010261
STRING 12 980775 18519 694 0.51721 0.0404 -0.0003	0.000648
•	0.000971
•	0.011926
	0.000497
•	$\begin{array}{c} 0.000249 \\ 0.010625 \end{array}$
STRING 3 995462 3832 703 0.51794 0.03907 0.00018	0.010023 0.000782
	0.001304
•	0.014294
	0.000252
•	0.000504
•	0.008587
	0.00049
1	$\begin{array}{c} 0.001961 \\ 0.010833 \end{array}$
•	0.010833 0.000258
	0.000235 0.000517
ChIP-Seq 142 977356 11448 11054 0.50731 0.02028 0.00109	0.012252
STRING 0 998395 899 706 0.51805 0 -0.0008	0.0
•	0.000413
•	0.009053
	0.001998 0.001171
·	0.001171 0.010802
•	0.010002
	0.001881
ChIP-Seq 133 979165 9639 11063 0.50739 0.02011 0.00228	0.01361
	0.001104
•	0.001104
•	0.012088
	0.001167 0.000843
•	0.000845 0.00885
•	0.000973
CGP-KM-DSSPD-NR10-EXE1 NonSpecific 2 994734 4109 1155 0.50409 0.00598 -0.00127	0.000486
•	0.008218
	0.000452
•	0.000452
•	0.008436
	$0.0 \\ 0.001206$
ı	0.001206 0.009097
•	0.003037 0.000229
	0.000688
ChIP-Seq 76 980647 8157 11120 0.50425 0.01959 -0.0017	0.009231
STRING 4 996853 2441 702 0.52224 0.03515 0.00173	0.001636
•	0.000818
ChIP-Seq 56 982625 6179 11140 0.50399 0.01956 -0.00167	0.008982

Tabela 40: Tabular results for mHSC-E problem considering the 1000nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	38	998555	704	703	0.52298	0.0702	0.05054	0.051213
PIDC	NonSpecific	17	998649	667	667	0.51152	0.04245	0.02419	0.024854
	ChIP-Seq	33	985730	7119	7118	0.49879	0.0069	-0.00255	0.004614
CENTES	STRING	16	998534	725	725	0.52321	0.0523	0.02087	0.021592
GENIE3	NonSpecific	9	998641	675	675	0.51312	0.03124	0.01248	0.013158
	ChIP-Seq STRING	7 18	985705 998536	$7144 \\ 723$	$7144 \\ 723$	$0.49679 \\ 0.52259$	0.00547 0.04885	-0.00622 0.02357	0.000979 0.024291
GRNBOOST2	NonSpecific	13	998645	671	671	0.52259 0.51286	0.04853 0.02854	0.02337 0.01833	0.024291 0.019006
GIUDOOS12	ChIP-Seq	11	985709	7140	7140	0.31280 0.49573	0.02854 0.00559	-0.00565	0.015000 0.001538
	STRING	1	998529	730	740	0.52293	0.00335 0.0473	0.00062	0.00135
SINCERITIES	NonSpecific	0	998642	674	684	0.51246	0	-0.00068	0.0
	ChIP-Seq	36	985836	7013	7115	0.49485	0.00608	-0.00204	0.005034
	STRING	0	998259	1000	741	0.52145	0	-0.00086	0.0
PPCOR	NonSpecific	0	998316	1000	684	0.51154	0	-0.00083	0.0
	ChIP-Seq	39	985736	7113	7112	0.4939	0.00595	-0.00171	0.005453
	STRING	10	981909	17350	731	0.5209	0.03755	-0.00081	0.000576
CGP-DSSPD-NR5-EXE1	NonSpecific	12	981968	17348	672	0.51201	0.01968	4e-05	0.000691
	ChIP-Seq	107	975596	17253	7044	0.49322	0.00614	-0.00156	0.006164
CCD DCCDD ND# EVE9	STRING	9	980370	18889	732	0.52174	0.03707	-0.00135 0.00086	0.000476 0.000847
CGP-DSSPD-NR5-EXE2	NonSpecific ChIP-Seq	16 106	980434 974057	18882 18792	$668 \\ 7045$	0.51237 0.49209	0.01907 0.00617	-0.00254	0.000847 0.005609
	STRING	8	980138	19121	733	0.49209 0.52129	0.03577	-0.00254	0.003009 0.000418
CGP-DSSPD-NR5-EXE3	NonSpecific	8	980195	19121	676	0.52125 0.51205	0.03377 0.01827	-0.00100	0.000418
COL DON'D INTO LILLO	ChIP-Seq	121	973841	19008	7030	0.49208	0.00636	-0.00137	0.006325
	STRING	15	979953	19306	726	0.52086	0.03467	0.00018	0.000776
CGP-DSSPD-NR5-EXE4	NonSpecific	19	980014	19302	665	0.51251	0.01809	0.00161	0.000983
	ChIP-Seq	152	973680	19169	6999	0.49274	0.0066	0.00119	0.007867
	STRING	13	979909	19350	728	0.52121	0.03437	-0.00036	0.000671
CGP-DSSPD-NR5-EXE5	NonSpecific	11	979964	19352	673	0.51223	0.0175	-0.00062	0.000568
	ChIP-Seq	116	973602	19247	7035	0.49231	0.00664	-0.00194	0.005991
	STRING	4	995166	4093	737	0.52216	0.03442	0.00056	0.000976
CGP-DSSPD-NR10-EXE1	NonSpecific	1	995220	4096	683	0.51197	0.01703	-0.00108	0.000244
	ChIP-Seq	60	984951	7898	7091	0.49258	0.00677	0.00041	0.00754
CGP-DSSPD-NR10-EXE2	STRING NonSpecific	5 1	995394 995447	$3865 \\ 3869$	$736 \\ 683$	$0.52311 \\ 0.5117$	$0.03449 \\ 0.01657$	0.00126 -0.00102	0.001292 0.000258
CGF-DSSFD-NK10-EAE2	ChIP-Seq	$\frac{1}{33}$	985098	7751	7118	0.3117 0.49084	0.01657 0.00665		0.000238 0.004239
	STRING	3	995307	3952	738	0.43034 0.52274	0.03372	4e-05	0.004259 0.000759
CGP-DSSPD-NR10-EXE3	NonSpecific	2	995363	3953	682	0.52214 0.51134	0.01604	-0.00043	0.000506
	ChIP-Seq	$\frac{-}{62}$	984974	7875	7089	0.49042	0.00668	0.0007	0.007812
	STRING	2	995408	3851	739	0.523	0.03335	-0.00051	0.000519
CGP-DSSPD-NR10-EXE4	NonSpecific	2	995465	3851	682	0.51171	0.0159	-0.00039	0.000519
	ChIP-Seq	117	977806	15043	7034	0.49059	0.00676	0.00083	0.007718
	STRING	4	994201	5058	737	0.52324	0.03297	0.00013	0.00079
CGP-DSSPD-NR10-EXE5	NonSpecific	4	994258	5058	680	0.5114	0.01553	0.00029	0.00079
	ChIP-Seq	43	985224	7625	7108	0.49003	0.00676	-0.00161	0.005608
CCD KM DKM ND10 EVE1	STRING	2	998235	1024	739	0.52415	0.03304	0.00142	0.001949
CGP-KM-BKM-NR10-EXE1	NonSpecific ChIP-Seq	$\frac{1}{47}$	998291 984508	$1025 \\ 8341$	$683 \\ 7104$	$0.51179 \\ 0.48837$	0.01547 0.00668	0.00036 -0.00169	$0.000975 \\ 0.005603$
	STRING	6	995729	3530	735	0.48637 0.52573	0.00008 0.03349	0.00109	0.003603 0.001697
CGP-KM-BKM-NR10-EXE2	NonSpecific	$\frac{0}{2}$	995782	3534	682	0.52573 0.51222	0.03549 0.01547	-0.00209	0.001097 0.000566
CGI -IXW-DIXW-IVICIO-LIXLIZ	ChIP-Seq	$\frac{2}{39}$	986825	6024	7112	0.48829	0.01641 0.00671	-0.00027	0.006432
	STRING	1	998236	1023	740	0.52562	0.03331	0.00028	0.000132 0.000977
CGP-KM-BKM-NR10-EXE3	NonSpecific	1	998293	1023	683	0.51207	0.01532	0.00036	0.000977
	ChIP-Seq	44	985712	7137	7107	0.48802	0.00673	-0.00103	0.006127
	STRING	1	997490	1769	740	0.52538	0.03293	-0.00027	0.000565
CGP-KM-BKM-NR10-EXE4	NonSpecific	1	997547	1769	683	0.51181	0.01507	-0.00019	0.000565
	ChIP-Seq	28	984145	8704	7123	0.48633	0.00665	-0.00439	0.003207
	STRING	1	998101	1158	740	0.52532	0.03284	0.00015	0.000863
CGP-KM-BKM-NR10-EXE5	NonSpecific	1	998158	1158	683	0.51171	0.01498	0.00023	0.000863
	ChIP-Seq	14	985466	7383	7137	0.48429	0.00656	-0.00539	0.001893
CCD WA DCCDD ND10 EVE1	STRING	0	997279	1980	741	0.5251	0	-0.00121	0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	1	997337 987489	1979	683	0.51156	0.01485	-0.0003	0.000505
	ChIP-Seq STRING	$\begin{array}{c} 19 \\ 0 \end{array}$	987489	$5360 \\ 759$	$7132 \\ 741$	$0.48306 \\ 0.52506$	0.00651	-0.00316 -0.00075	0.003532 0.0
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	0	998579	739 737	684	0.52506 0.51138	$0 \\ 0$	-0.00073	0.0
COI -IXIVI-DODI D-IVIQIU-EAEZ	ChIP-Seq	48	983667	9182	7103	0.31138 0.48229	0.00651	-0.00071	0.0052
	STRING	5	995587	3672	736	0.48229 0.52496	0.00031 0.03229	0.00223 0.00138	0.0032 0.00136
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	995639	3672	684	0.52430 0.51119	0.03223	-0.00159	0.00130
	ChIP-Seq	20	988980	3869	7131	0.48177	0.0065	-0.00149	0.005143
	STRING	0	998507	752	741	0.52482	0	-0.00075	0.0
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	0	998605	711	684	0.51105	0	-0.0007	0.0
	ChIP-Seq	58	983500	9349	7093	0.48134	0.00652	-0.00114	0.006166
	STRING	0	998509	750	741	0.52472	0	-0.00075	0.0
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$0 \\ 42$	998566 986144	$750 \\ 6705$	$684 \\ 7109$	0.51087 0.48077	$0 \\ 0.00653$	-0.00072 -0.00091	$0.0 \\ 0.006225$

Tabela 41: Tabular results for mHSC-GM problem considering the 1000nTF configuration with self-loop.

PICH Part	Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
Negres (Primers) (Prime										0.027273
NETHER PAYS PAYS PAYS PAYS PAYS PAYS PAYS PAYS	PIDC	_								
GHNIS Chilp-Seq Al 9875 (a) 2812 (b) 120 (b) 0.0024 (b) <		•								
CHIP-NO 14 SMITH 1921 1922 1929 1929 1920	CENTES									
STINIO SINS SI	GENIE3									
GRIBOOST2 NonSpecifie of Cliff-Seq 50 557 SSTZ MS 807 80,000 10,000 00,000		-								
STIRING CAIP-56 P. 1982 CAIP-56 P.	GRNBOOST2									
STRING 10	G101.B 0 0.8 1 2	_								
PM PM PM PM PM PM PM PM		-	0	998245	876					
Perform Per	SINCERITIES	NonSpecific	0	998565	716	719	0.51587	0	-0.00072	0.0
PCOR NonSpecified CIMP-Sorg CIMP-Sorg O 098281 More More More More More More More More			56					0.0083		
CRP-SSPD-NR5-EXEI										
CRP-DSSPD-NR5-EXEI Some No.85pecife Variable V	PPCOR									
CGP-DSSPD-NR3-EXEI Noneparation (PIP-Seq 2) 10 segment (PIP-Seq 2) 1223 segment (PIP-Seq 2) 0.04034 segment (PIP-Seq 2) 0.00054 segment		-								
CHP - Seq 1 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	CCP DSSPD NR5 FYF1									
CPP-DSSPD-NR1-EXE2E SPR	CGI -DSSI D-MIO-EAEI									
GP-DSSPD-NR5-EXE2 NonSpecifie (LiPL-Sot) (ChiP-Sot) (ChiP-		•								
CAP-DSSPD-NR16-EXE3	CGP-DSSPD-NR5-EXE2									0.000742
CP-DSSPD-NR5-EXEM Nonspecified Clap-Seq 2 8710 (2) 120 (2) 3610 (2) 0.000 (2)			117	979827	12007	8049	0.49751	0.00851	0.00183	0.00965
CP-PSSPD-NR1-EXEA							0.52614	0.0377		0.001312
CGP-DSSPD-NR5-EXE4 STRING 12 98129 1390 807 0.50828 0.00857 0.000857 0.000857 0.000857 0.000857 0.000859 0.001089 0.000409 0.007498 0.000861 0.000851 0.000810 0.000810 0.000813 0.000810 0.000813 0.000810 0.000813 0.000810 0.000813 0.000810 0.000813 0.000810 0.000810 0.000813 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000810 0.000812 0.000812 0.000812 0.000812 0.000812 0.000812 0.000812 0.000812 0.000812 0.000812 0.000812 0.000812 0.00081	CGP-DSSPD-NR5-EXE3									
CPP-DSSPD-NR5-EXE4 NonSpecific CLIP-Seq (PS of PS		_								
0.00498	CCD DCCDD ND* EVE4									
CGP-DSSPD-NR3-EXE5 KTRING 8 986671 1244 871 0.5259 0.0354 0.0010 0.001044 CGP-DSSPD-NR10-EXE1 NonSpecific 0 996882 2439 75 0.5158 0 0.00104 0.00103 0.00103 CGP-DSSPD-NR10-EXE1 NonSpecific 0 996832 2439 875 0.5585 0.0083 0.00013 0.00103 CGP-DSSPD-NR10-EXE2 NonSpecific 0 996834 2447 719 0.51547 0 0.00103 0.00010 CGP-DSSPD-NR10-EXE2 NonSpecific 0 996834 2447 719 0.51547 0 0.01042 0.00607 CGP-DSSPD-NR10-EXE4 Chin-Seq 13 996951 236 877 0.52647 0.0381 -0.0104 0.006807 CGP-DSSPD-NR10-EXE4 NonSpecific 2 996775 236 877 0.5266 0.03314 -560 0.00114 0.00567 CGP-DSSPD-NR10-EXE4 NonSpecific 3 996324 237<	CGP-DSSPD-NR5-EXE4									
CGP-DSSPD-NR5-EXE5 NonSpecific 12 (12) (12) (12) (13) (14) (14) (14) (14) (14) (14) (14) (14		_								
CHP-No. CHP-	CGP-DSSPD-NR5-EXE5									
CGP-DSSPD-NR10-EXEI STRING Chip-Seq Chip-Seq 4 996882 99838 2439 2498 875 2515 0.03543 0.00885 0.00133 0.00840 0.07451 0.00845 CGP-DSSPD-NR10-EXE2 NosSpecifie 1008 2517 0.90834 0.0483 2447 2448 817 2498 2483 0.03855 0.03474 2490 2490 2490 2490 0.00855 0.03474 2490 2	CGI DSSI D INIO EILEO									
ChiP-Seq 99 989303 251 8147 0.49839 0.00855 0.0044 0.007451										
CGP-DSSPD-NR10-EXE2 STRING 2 996676 2445 877 0.52685 0.03474 -0.0013 0.000507 CGP-DSSPD-NR10-EXE2 NonSpecific 2 996834 2447 719 0.51547 0 -0.00133 0.00 CGP-DSSPD-NR10-EXE3 NonSpecific 3 996956 2325 716 0.51519 0.01541 0.0013 0.001289 CGP-DSSPD-NR10-EXEA NonSpecific 1 996956 2325 716 0.51519 0.01541 0.0013 0.00283 CGP-DSSPD-NR10-EXEA NonSpecific 1 9969575 2346 877 0.5266 0.0314 -5-05 0.000852 CGP-DSSPD-NR10-EXEA NonSpecific 2 996775 2346 877 0.5266 0.0314 -5-05 0.000852 CGP-DSSPD-NR10-EXEA NonSpecific 2 996775 2346 877 0.5266 0.0314 -5-015 0.00154 0.000852 CGP-SSPD-NR10-EXEA NonSpecific 2 996676 2445 879 0.5261 0.00147 0.00147	CGP-DSSPD-NR10-EXE1	NonSpecific	0	996838	2443	719	0.5158	0	-0.00133	0.0
CGP-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 14 989351 24.8 719 0.14514 0 0.00133 0.00 CGP-DSSPD-NR10-EXE3 ChIP-Seq 24 9896795 2326 877 0.52647 0.03881 -3-005 0.000859 CGP-DSSPD-NR10-EXE3 NonSpecific STRING 29 989473 2346 877 0.5266 0.0314 -5-05 0.000859 CGP-DSSPD-NR10-EXE4 NonSpecific STRING 29 996775 2346 877 0.5266 0.0314 -5-05 0.000852 CGP-DSSPD-NR10-EXE4 NonSpecific STRING 399422 2142 8153 0.4979 0.00154 0.00361 0.00154 0.00154 0.00520 CGP-DSSPD-NR10-EXE5 FIRING 3998324 2412 876 0.55158 0.0148 0.00154 0.00520 CGP-DSSPD-NR10-EXE4 NonSpecific STRING 3995324 2510 871 0.49834 0.00888 0.00154 0.00154 0.00154 0.00154 0.00154 0.00154 0.00154 0.00154		_	19		2531					
CHIP-Seq 14 989351 2483 8152 0.49803 0.00881 -0.00120 0.000560 CGP-DSSPD-NR10-EXE3 STRING 2 996956 2325 716 0.51519 0.01841 0.000859 CGP-DSSPD-NR10-EXE4 ChIP-Seq 25 998713 2403 8141 0.49831 0.00866 0.00117 0.010297 CGP-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 13 999633 2347 718 0.51555 0.01524 -0.00153 0.00426 CGP-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 19 996678 2445 879 0.52613 0.01142 0.00361 0.00147 0.0 CGP-DSSPD-NR10-EXE5 NonSpecific ChIP-Seq 29 998324 2510 8137 0.4983 0.0084 0.00147 0.0 CGP-SSPD-NR10-EXE4 NonSpecific ChIP-Seq 19 997346 177 718 0.5154 0.01498 0.00147 0.0 CGP-KM-BKM-NR10-EXE1 NonSpecific ChIP-Seq 158 996140 2981 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.000817</td></t<>										0.000817
CGP-DSSPD-NR10-EXE3 STRING (NonSpecific NonSpecific NonSpecific S) 396956 2325 716 0.51519 0.01341 -3-05 0.000829 CGP-DSSPD-NR10-EXE4 (DiP-Seq DSSP) 25 989431 2403 8141 0.49831 0.0086 0.0117 0.010239 CGP-DSSPD-NR10-EXE4 (DiP-Seq DSSPC) 296967 2346 877 0.5266 0.03814 -5-05 0.000852 CGP-DSSPD-NR10-EXE4 (DiP-Seq DSSPC) 296968 2412 818 0.15155 0.01524 0.00033 0.00426 CGP-DSSPD-NR10-EXE5 (NonSpecific STING) 296808 2412 816 0.51584 0.0148 0.0014	CGP-DSSPD-NR10-EXE2	-								
CGP-DSSPD-NR10-EXE3 NonSpecific OIP-Seq (25) (25) (28) (24) (24) (24) (24) (24) (24) (24) (24		-								
ChiP-Seq 25 989431 2403 8141 0.49831 0.00866 0.00117 0.010297 CGP-DSSPD-NR10-EXE4 PANDSpecifie 1 996934 2347 718 0.51555 0.01524 -6.00053 0.000426 CGP-DSSPD-NR10-EXE4 PANDSpecifie 3 989422 2412 8153 0.4979 0.0081 -0.00154 0.00561 CGP-DSSPD-NR10-EXE5 PANDSpecifie 3 99683 2442 716 0.51543 0.01083 0.01127 0.01227 CGP-BSPD-NR10-EXE5 PANDSpecifie 3 99683 2442 716 0.51543 0.0163 0.00125 0.01142 CGP-KM-BKM-NR10-EXE1 PANDSpecifie 1 997507 1.774 718 0.51549 0.01615 0.00025 0.00132 CGP-KM-BKM-NR10-EXE2 PANDSpecifie 5 996301 2981 875 0.5266 0.0040 0.001675 CGP-KM-BKM-NR10-EXE2 PANDSpecifie 5 996301 2980 717 0.51649 0.0	CCP-DSSPD-NR10-EXE3									
CGP-DSSPD-NR10-EXE4 KNGF 2 996775 2346 877 0.5266 0.03314 -5e-05 0.000852 CGP-DSSPD-NR10-EXE4 NonSpecific 13 986934 2347 718 0.51555 0.0154 -0.00153 0.00046 CGP-DSSPD-NR10-EXE5 Konspecific 3 996876 2445 879 0.52613 0 -0.00147 0.00361 CGP-DSSPD-NR10-EXE5 NonSpecific 3 996839 2412 716 0.51584 0.01489 0.00122 0.01227 CGP-KM-BKM-NR10-EXE1 ChilP-Seq 999340 1776 879 0.5257 0 -0.00125 0.0 CGP-KM-BKM-NR10-EXE1 NonSpecific 4 996140 2981 875 0.5260 0.00821 0.00621 0.01325 CGP-KM-BKM-NR10-EXE2 NonSpecific 5 996301 2980 714 0.1675 0.00822 0.00132 CGP-KM-BKM-NR10-EXE2 NonSpecific 5 997301 1384 816 0.49972 0.0090	CGI -DSSI D-MIII0-EAES	-								
CGP-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq TSRING ChIP-Seq 1 996934 989422 2317 2412 718 8153 0.51555 0.4979 0.000531 0.000581 0.001426 0.005361 0.000426 0.005361 0.00147 0.005361 0.000540 0.005361 0.000540 0.001227 0.000540 0.001227 0.00147 0.001227 0.001420 0.001227 0.001420 0.001227 0.001420 0.001227 0.001420 0.001227 0.001420 0.001227 0.001420 0.001227 0.001420 0.001227 0.001227 0.001227 0.001220 0.001227 0.001220 0.001220 0.001220 0.0										
CGP-DSSPD-NR10-EXE5 STRING 0 996676 2445 716 0.52613 0 0.00147 0.00004 CGP-DSSPD-NR10-EXE5 CMIP-Seq 398384 2442 716 0.51584 0.01488 0.00183 0.011227 CGP-KM-BKM-NR10-EXE1 CMIP-Seq 99 99346 1775 879 0.5257 0 -0.00125 0.00563 CGP-KM-BKM-NR10-EXE1 CMIP-Seq 158 98071 1774 718 0.51549 0.01451 0.00024 0.00563 CGP-KM-BKM-NR10-EXE2 CMIP-Seq 158 98071 1774 718 0.51649 0.01451 0.00053 0.00134 CGP-KM-BKM-NR10-EXE2 PMIP-Seq 50 96301 2980 714 0.51668 0.01404 0.001675 0.00308 0.00576 0.00372 CGP-KM-BKM-NR10-EXE3 PMIP-Seq 50 997114 2007 878 0.5269 0.00308 0.00576 0.00358 CGP-KM-BKM-NR10-EXE3 PMIP-Seq 99 98716 1875 716	CGP-DSSPD-NR10-EXE4	NonSpecific								0.000426
CGP-DSSPD-NR10-EXE5 NonSpecific ChIP-Seq 29 989324 210 8137 0.49834 0.001480 0.00183 0.011422 CGP-KM-BKM-NR10-EXE1 ChIP-Seq 29 989324 2510 8137 0.49834 0.00883 0.00143 0.011422 CGP-KM-BKM-NR10-EXE1 NonSpecific ChIP-Seq 15 980071 11763 808 0.50855 0.0021 0.00024 0.00563 CGP-KM-BKM-NR10-EXE2 NonSpecific ChIP-Seq 5 996301 298 71 0.51668 0.0144 0.00055 0.001675 0.00621 0.00363 CGP-KM-BKM-NR10-EXE2 NonSpecific ChIP-Seq 5 996301 2097 871 0.1668 0.0144 0.00055 0.00167 0.00163 CGP-KM-BKM-NR10-EXE3 NonSpecific STRING 1 997175 200 717 0.51649 0.0139 0.00582 0.00582 CGP-KM-BKM-NR10-EXE3 NonSpecific STRING 1 997275 160 15164 0.0139 0.00582 0.00532 0.00582 <		_		989422	2412	8153	0.4979	0.00881	-0.00154	0.005361
CHIP-Seq 29 989324 2510 8137 0.49834 0.00888 0.01183 0.011422 CGP-KM-BKM-NR10-EXE1 PATRING 0 997346 1775 879 0.5257 0 -0.00125 0.0 CGP-KM-BKM-NR10-EXE1 PATRING 158 980071 11763 808 0.5085 0.00921 0.00621 0.013254 CGP-KM-BKM-NR10-EXE2 PATRING 4 996140 2981 875 0.526 0.03082 0.00085 0.00134 CGP-KM-BKM-NR10-EXE2 PATRING 5 996301 2980 71 0.51668 0.0144 0.00195 0.001675 CGP-KM-BKM-NR10-EXE2 PATRING 1 997114 2007 878 0.52569 0.3008 -0.00578 0.001675 CGP-KM-BKM-NR10-EXE4 NonSpecific 1 997245 2006 717 0.51649 0.01399 0.00040 0.00098 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.0135 <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			0							
CGP-KM-BKM-NR10-EXE1 STRING 0 997346 1.75 879 0.5257 0 -0.00125 0.0 CGP-KM-BKM-NR10-EXE1 NonSpecific 1 997507 1774 718 0.51549 0.01451 -0.00024 0.00563 CGP-KM-BKM-NR10-EXE2 ChIP-Seq 4 996140 2981 875 0.526 0.03082 0.00085 0.00134 CGP-KM-BKM-NR10-EXE2 NonSpecific 5 996301 2980 714 0.51668 0.0144 0.00195 0.001675 CGP-KM-BKM-NR10-EXE3 NonSpecific 1 997114 2007 878 0.52569 0.03008 -0.00058 0.000498 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 997275 2006 717 0.51649 0.01399 0.00468 0.000498 CGP-KM-BKM-NR10-EXE4 NonSpecific 2 997244 1877 878 0.52559 0.0293 -0.00123 0.00524 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716	CGP-DSSPD-NR10-EXE5	_								
CGP-KM-BKM-NR10-EXE1 NonSpecific ChIP-Seq (DIP-Seq (D										
ChIP-Seq 158 980071 11763 8008 0.50085 0.00921 0.00621 0.013254 CGP-KM-BKM-NR10-EXE2 NonSpecific 5 996301 2980 714 0.51668 0.0144 0.00155 0.001675 CGP-KM-BKM-NR10-EXE2 NonSpecific 5 997142 207 878 0.52669 0.03008 -0.00576 0.003708 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 997142 2007 878 0.52569 0.03008 -0.0058 0.00498 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 997275 2006 717 0.51649 0.01339 -0.0046 0.00996 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.01339 0.00142 0.00159 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.0133 0.00142 0.00159 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997559 1722 719 0.51	CCD KM DKM ND10 EYE1									
CGP-KM-BKM-NR10-EXE2 STRING 4 996140 2981 875 0.526 0.03082 0.00085 0.00134 CGP-KM-BKM-NR10-EXE2 NonSpecific 5 996301 2980 714 0.51668 0.0144 0.00195 0.001675 CGP-KM-BKM-NR10-EXE3 STRING 1 997114 2007 878 0.52569 0.03008 -0.00568 0.000498 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 997275 2006 717 0.51649 0.01399 0.0046 0.00996 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997246 1877 878 0.52555 0.02928 -0.001540 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.01395 0.00121 0.001532 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.00877 -0.0013 0.00878 CGP-KM-BKM-NR10-EXE5 NonSpecific 3 997399 1722 719 0	CGP-KM-BKM-IKIU-EXEI	•								
CGP-KM-BKM-NR10-EXE2 NonSpecific ChIP-Seq 50 996301 2980 714 0.51668 0.0144 0.00195 0.001675 CIP-Seq 50 978450 13384 8116 0.49972 0.00907 -0.00576 0.003722 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 997275 2006 717 0.51649 0.01399 0.00046 0.00996 CGP-KM-BKM-NR10-EXE4 NonSpecific 2 997244 1877 878 0.52555 0.02928 -0.0051 0.005407 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.01395 0.00142 0.001597 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.01395 0.00142 0.001597 CGP-KM-BKM-NR10-EXE5 NonSpecific 3 997406 1875 716 0.5164 0.01395 0.00142 0.001597 CGP-KM-BKM-NR10-EXE5 NonSpecific 3 997359 1722 719 0.51623 0 -0.00123 0.0 <		•								
CHP-Seq 50 978450 13384 8116 0.49972 0.00907 -0.00576 0.003722 CGP-KM-BKM-NR10-EXE3 STRING 1 997114 2007 878 0.52569 0.03008 -0.00058 0.000498 CGP-KM-BKM-NR10-EXE3 NonSpecific 2 997275 2006 717 0.51649 0.01399 0.00046 0.000996 CGP-KM-BKM-NR10-EXE4 NonSpecific 1 997244 1877 878 0.52555 0.02928 -0.00151 0.001597 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.01395 0.00142 0.001597 CGP-KM-BKM-NR10-EXE5 NonSpecific 3 997399 1722 879 0.52538 0 -0.00123 0.0 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 997399 1722 879 0.52538 0 -0.00123 0.0 CGP-KM-BKM-NR10-EXE1 NonSpecific 1 996759 1872 719 0.51623	CGP-KM-BKM-NR10-EXE2									
CGP-KM-BKM-NR10-EXE3 NonSpecific ChIP-Seq (AT) 997275 2006 717 0.51649 0.01399 0.00046 0.000996 CGP-KM-BKM-NR10-EXE4 ChIP-Seq (AT) 983188 8646 8119 0.49842 0.00893 -0.00287 0.005407 CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq (AI) 997244 1877 878 0.52555 0.02928 -0.00131 0.001597 CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq (AI) 9977736 14098 8097 0.49694 0.00877 -0.00439 0.00487 CGP-KM-BKM-NR10-EXE5 NonSpecific OI 997399 1722 879 0.51623 0 -0.00111 0.0 CGP-KM-BKM-NR10-EXE5 NonSpecific OI 997559 1722 719 0.51623 0 -0.00111 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific OI 996763 2516 876 0.52525 0.02828 0.00033 0.00113 0.00130 CGP-KM-DSSPD-NR10-EXE4 NonSpecific OI 996763 2518 718 0.51582 0.01301		•								0.003722
CHIP-Seq 47 983188 8646 8119 0.49842 0.00893 -0.00287 0.005407 CGP-KM-BKM-NR10-EXE4 STRING 1 997244 1877 878 0.52555 0.02928 -0.0051 0.000532 CGP-KM-BKM-NR10-EXE4 NonSpecific 3 997406 1875 716 0.5164 0.01395 0.00142 0.001597 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 997399 1722 879 0.52538 0 -0.00123 0.0 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 997559 1722 719 0.51623 0 -0.00111 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 1 996605 2516 876 0.52525 0.02828 0.00032 0.007857 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 1 996763 2518 718 0.51582 0.01331 -0.0006 0.000397 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 3 996787 2491 716 0.51582		STRING	1	997114	2007	878	0.52569	0.03008	-0.00058	0.000498
CGP-KM-BKM-NR10-EXE4 STRING 1 997244 1877 878 0.52555 0.02928 -0.00051 0.000532 CGP-KM-BKM-NR10-EXE4 NonSpecific OLIP-Seq 69 977736 14098 8097 0.49694 0.00877 -0.00439 0.00487 CGP-KM-BKM-NR10-EXE5 NonSpecific OLIP-Seq 70 997359 1722 719 0.51623 0 -0.00113 0.0 CGP-KM-BKM-NR10-EXE5 NonSpecific OLIP-Seq 70 982995 8839 8096 0.49703 0.00878 -0.00012 0.007857 CGP-KM-DSSPD-NR10-EXE1 NonSpecific OLIP-Seq 3 996605 2516 876 0.52525 0.02828 0.00033 0.001191 CGP-KM-DSSPD-NR10-EXE1 NonSpecific OLIP-Seq 29 988981 2853 8137 0.49742 0.00883 0.00113 0.010062 CGP-KM-DSSPD-NR10-EXE2 NonSpecific OLIP-Seq 3 996787 2494 716 0.51552 0.01301 0.00257 0.002403 CGP-KM-DSSPD-NR10-EXE3 NonSpecific OLIP-	CGP-KM-BKM-NR10-EXE3	•			2006	717	0.51649	0.01399		0.000996
CGP-KM-BKM-NR10-EXE4 NonSpecific ChIP-Seq (69) 977736 14098 8097 0.49694 0.001395 0.00142 0.001597 CGP-KM-BKM-NR10-EXE5 CAIP-Seq (70) 69 977736 14098 8097 0.49694 0.00877 -0.00439 0.00487 CGP-KM-BKM-NR10-EXE5 NonSpecific Operation of ChIP-Seq (70) 982995 1722 719 0.51623 0 -0.00111 0.0 CGP-KM-DSSPD-NR10-EXE1 NonSpecific Operation of ChIP-Seq (70) 3996605 2516 876 0.52525 0.02828 0.00032 0.001191 CGP-KM-DSSPD-NR10-EXE1 NonSpecific Operation of ChIP-Seq (70) 1996763 2518 718 0.51582 0.01331 -0.0006 0.000397 CGP-KM-DSSPD-NR10-EXE1 NonSpecific Operation of ChIP-Seq (70) 2898981 2853 8137 0.49742 0.00883 0.00113 0.0100397 CGP-KM-DSSPD-NR10-EXE2 NonSpecific Operation of ChIP-Seq (70) 3996787 2494 716 0.51552 0.01301 0.00027 0.002403 CGP-KM-DSSPD-NR10-EXE3 NonSpecific Operation of										
ChIP-Seq 69 977736 14098 8097 0.49694 0.00877 -0.00439 0.00487 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 997399 1722 879 0.52538 0 -0.00123 0.0 CGP-KM-BKM-NR10-EXE5 NonSpecific 0 997559 1722 719 0.51623 0 -0.00111 0.0 CHIP-Seq 70 982995 8839 8096 0.49703 0.00878 -0.00032 0.007857 STRING 3 996605 2516 876 0.52525 0.02828 0.00053 0.001191 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 1 996763 2518 718 0.51882 0.01331 -0.0006 0.00397 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 3 996787 2494 716 0.51552 0.01301 0.00257 0.002403 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 3 996787 2494 716 0.51552 0.01301 0.00247 0.00124 <	CCD KM DKM ND10 EVEA									
CGP-KM-BKM-NR10-EXE5 STRING 0 997399 1722 879 0.52538 0 -0.00123 0.0 CGP-KM-BKM-NR10-EXE5 NonSpecific OLIP-seq 70 982995 8839 8096 0.49703 0.00878 -0.00032 0.007857 STRING 3 996605 2516 876 0.52525 0.02828 0.00053 0.001191 CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-seq 29 988981 2853 8137 0.49742 0.00833 0.00113 0.010062 CGP-KM-DSSPD-NR10-EXE2 NonSpecific STRING 6 996630 2491 873 0.52581 0.02807 0.00257 0.002403 CGP-KM-DSSPD-NR10-EXE2 NonSpecific STRING 3 996787 2494 716 0.51552 0.01301 0.0009 0.01231 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING 1 996782 2339 878 0.52535 0.02748 -0.00074 0.00427 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING 5 996730 2	CGP-KM-BKM-NR10-EXE4	_								
CGP-KM-BKM-NR10-EXE5 NonSpecific ChIP-Seq ChIP-Seq ChIP-Seq ChIP-Seq STRING 0 997559 9759 9759 9759 9759 9759 9759 9839 0 0.51623 0 0 -0.00111 0.0 0		•								
ChiP-Seq 70 982995 8839 8096 0.49703 0.00878 -0.00032 0.007857 STRING 3 996605 2516 876 0.52525 0.02828 0.00053 0.001191 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 1 996763 2518 718 0.51582 0.01331 -0.0006 0.000397 ChiP-Seq 29 988981 2853 8137 0.49742 0.00883 0.00113 0.010062 STRING 6 996630 2491 873 0.52581 0.02807 0.00257 0.002403 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 3 996787 2494 716 0.51552 0.01301 0.0009 0.001201 ChiP-Seq 32 989023 2811 8134 0.49769 0.00885 0.00183 0.011256 STRING 1 996782 2339 878 0.52535 0.02748 -0.00074 0.000427 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 0 996941 2340 719 0.51517 0 -0.0013 0.0 ChiP-Seq 34 989088 2746 8132 0.49849 0.00893 0.00238 0.01233 STRING 5 996730 2391 874 0.52472 0.02676 0.002 0.002087 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 3 996888 2393 716 0.51483 0.01242 0.00097 0.001252 ChiP-Seq 28 989022 2812 8138 0.49837 0.00892 0.001 0.009859 STRING 3 996717 2404 876 0.5247 0.0264 0.00061 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445	CGP-KM-BKM-NR10-EXE5									
CGP-KM-DSSPD-NR10-EXE1 STRING 3 996605 2516 876 0.52525 0.02828 0.00053 0.001191 CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 29 988981 2518 718 0.51582 0.01331 -0.0006 0.000397 CGP-KM-DSSPD-NR10-EXE2 NonSpecific STRING 6 996630 2491 873 0.52581 0.02807 0.00257 0.002403 CGP-KM-DSSPD-NR10-EXE2 NonSpecific STRING 3 996787 2494 716 0.51552 0.01301 0.0009 0.001201 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING 1 996782 2339 878 0.52535 0.02748 -0.00074 0.000427 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING 996782 2339 878 0.52535 0.02748 -0.00074 0.000427 CGP-KM-DSSPD-NR10-EXE3 NonSpecific STRING 996780 2391 874 0.52472 0.02676 0.002 0.002287 CGP-KM-DSSPD-NR10-EXE4 NonSpecific STRING 3 99	COI TIM DIEM THEO LALLS	_								
$ \begin{array}{c} {\rm CGP\text{-}KM\text{-}DSSPD\text{-}NR10\text{-}EXE1} \\ {\rm CdP\text{-}Seq} \\ {\rm ChIP\text{-}Seq} \\ {\rm ChIP\text{-}Seq} \\ {\rm STRING} \\ {\rm ColP\text{-}KM\text{-}DSSPD\text{-}NR10\text{-}EXE2} \\ {\rm CdP\text{-}KM\text{-}DSSPD\text{-}NR10\text{-}EXE2} \\ {\rm CdP\text{-}KM\text{-}DSSPD\text{-}NR10\text{-}EXE3} \\ {\rm CdP\text{-}KM\text{-}DSSPD\text{-}NR10\text{-}EXE4} \\ {\rm NonSpecific} \\ {\rm Sdeptition} \\ {\rm CdP\text{-}KM\text{-}DSSPD\text{-}NR10\text{-}EXE4} \\ {\rm NonSpecific} \\ {\rm Sdeptition} \\$		•								
CGP-KM-DSSPD-NR10-EXE2 STRING 6 996630 2491 873 0.52581 0.02807 0.00257 0.002403 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 3 996787 2494 716 0.51552 0.01301 0.0009 0.001201 CGP-KM-DSSPD-NR10-EXE3 NonSpecific Omegan 996782 2339 878 0.52535 0.02748 -0.00074 0.000427 CGP-KM-DSSPD-NR10-EXE3 NonSpecific Omegan 996941 2340 719 0.51517 0 -0.0013 0.0 CHIP-Seq 34 989088 2746 8132 0.49849 0.00893 0.00238 0.01223 CGP-KM-DSSPD-NR10-EXE4 NonSpecific Omegan 3 996730 2391 874 0.52472 0.02676 0.002 0.002087 CGP-KM-DSSPD-NR10-EXE4 NonSpecific Omegan 3 996888 2393 716 0.51483 0.01242 0.00097 0.001252 CGP-KM-DSSPD-NR10-EXE5 NonSpecific Omegan 3 996877 2404 876 <	CGP-KM-DSSPD-NR10-EXE1									0.000397
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		ChIP-Seq	29	988981	2853	8137	0.49742	0.00883	0.00113	0.010062
CGP-KM-DSSPD-NR10-EXE4 NonSpecific 3 989023 2811 8134 0.49769 0.00885 0.00183 0.011256 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 0 996941 2340 719 0.51517 0 -0.0013 0.0 ChIP-Seq 34 989088 2746 8132 0.49849 0.00893 0.00238 0.01223 STRING 5 996730 2391 874 0.52472 0.02676 0.002 0.002087 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 3 996888 2393 716 0.51483 0.01242 0.00097 0.001252 ChIP-Seq 28 989022 2812 8138 0.49837 0.00892 0.001 0.009859 STRING 3 996717 2404 876 0.52472 0.0264 0.00061 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246										
CGP-KM-DSSPD-NR10-EXE3 STRING 1 996782 2339 878 0.52535 0.02748 -0.00074 0.000427 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 0 996941 2340 719 0.51517 0 -0.0013 0.0 ChIP-Seq 34 989088 2746 8132 0.49849 0.00893 0.00238 0.01223 STRING 5 996730 2391 874 0.52472 0.02676 0.002 0.002087 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 3 996888 2393 716 0.51483 0.01242 0.00097 0.001252 ChIP-Seq 28 989022 2812 8138 0.49837 0.00892 0.001 0.009859 STRING 3 996717 2404 876 0.5247 0.0264 0.00061 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246	CGP-KM-DSSPD-NR10-EXE2	•								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		•								
CGP-KM-DSSPD-NR10-EXE4 NonSpecific 3 996717 2404 876 0.5247 0.02676 0.00238 0.01223 0.00238 0.00238 0.01223 0.00238 0.00238 0.01223 0.002087 0.0020	CCD KM DCCDD MD10 EVES									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	OGF-KM-DSSYD-NKIU-EXE3									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$										
ChIP-Seq 28 989022 2812 8138 0.49837 0.00892 0.001 0.009859 STRING 3 996717 2404 876 0.5247 0.0264 0.00061 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246	CGP-KM-DSSPD-NR10-EXE4									
STRING 3 996717 2404 876 0.5247 0.0264 0.00061 0.001246 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 3 996877 2404 716 0.51445 0.01213 0.00097 0.001246	THE POST DIMENTED									
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$										0.001246
	CGP-KM-DSSPD-NR10-EXE5	NonSpecific	3						0.00097	
1		ChIP- Seq	8	989072	2762	8158	0.49749	0.00884	-0.00309	0.002888

Tabela 42: Tabular results for mHSC-L problem considering the 1000nTF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	16	478572	138	138	0.54922	0.16806	0.10361	0.103896
PIDC	NonSpecific	11	478240	307	306	0.51637	0.07023	0.03401	0.034591
	ChIP-Seq	50	468554	5130	5130	0.49942	0.01196	-0.00118	0.009653
CENTES	STRING	9	478565	$\frac{145}{310}$	145	0.54852	0.1456	0.05814	0.058442
GENIE3	NonSpecific ChIP-Seq	$7 \\ 49$	$478237 \\ 468552$	$510 \\ 5132$	$310 \\ 5131$	0.51757 0.49843	0.05981 0.01145	0.02143 -0.00137	0.022082 0.009458
	STRING	49 7	478563	$\frac{3132}{147}$	147	0.49843 0.54842	0.01145 0.14181	0.04515	0.009458 0.045455
GRNBOOST2	NonSpecific	5	478235	312	312	0.54642 0.51748	0.05404	0.04513 0.01512	0.045455 0.015773
GILI (BOOS12	ChIP-Seq	52	468556	5128	5128	0.49877	0.01184	-0.00079	0.010039
	STRING	0	478578	132	154	0.54796	0	-0.0003	0.0
SINCERITIES	NonSpecific	0	478265	282	317	0.51713	0	-0.00063	0.0
	ChIP-Seq	24	468864	4820	5156	0.49581	0.01087	-0.00573	0.004633
	STRING	0	478018	692	154	0.54678	0	-0.00068	0.0
PPCOR	NonSpecific	0	477855	692	317	0.51603	0	-0.00098	0.0
	ChIP-Seq	51	468555	5129	5129	0.49522	0.01113	-0.00098	0.009846
CCD DCCDD ND# EVE1	STRING	0	470387	8323	154	0.54672	0	-0.00238	0.0
CGP-DSSPD-NR5-EXE1	NonSpecific ChIP-Seq	$\frac{9}{76}$	$470233 \\ 465437$	$8314 \\ 8247$	$308 \\ 5104$	0.51733 0.49451	$0.03098 \\ 0.01125$	0.00217 -0.00217	0.001081 0.009131
	STRING	5	403437 470113	8597	$\frac{5104}{149}$	0.49451 0.54665	0.01125 0.10926	0.00217 0.00196	0.009131 0.000581
CGP-DSSPD-NR5-EXE2	NonSpecific	10	469955	8592	307	0.54868	0.10320 0.03121	0.00190 0.00263	0.000361 0.001163
COI DOSI D MIO DALL	ChIP-Seq	99	465181	8503	5081	0.49497	0.03121 0.01156	0.00200	0.001109
	STRING	3	470329	8381	151	0.54652	0.10758	0.00027	0.000358
CGP-DSSPD-NR5-EXE3	NonSpecific	6	470169	8378	311	0.51847	0.02981	0.00028	0.000716
	ChIP-Seq	72	465372	8312	5108	0.49352	0.01144	-0.00288	0.008588
	STRING	2	470168	8542	152	0.54633	0.10519	-0.00066	0.000234
CGP-DSSPD-NR5-EXE4	NonSpecific	5	470008	8539	312	0.51825	0.02856	-0.0004	0.000585
	ChIP-Seq	85	465225	8459	5095	0.49243	0.01141	-0.00113	0.009949
COD DOODD ND DVD	STRING	2	470285	8425	152	0.54626	0.10442	-0.00063	0.000237
CGP-DSSPD-NR5-EXE5	NonSpecific	10	470130	8417	307	0.51809	0.02772	0.00273	0.001187
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	84	$465341 \\ 477030$	$8343 \\ 1680$	$5096 \\ 154$	$0.49196 \\ 0.54626$	0.01146	-0.0011 -0.00106	0.009968 0.0
CGP-DSSPD-NR10-EXE1	NonSpecific	0	476867	1680	317	0.54626 0.51784	$0 \\ 0$	-0.00100	0.0
OGI -DBSI D-IVICIO-EAEI	ChIP-Seq	30	471983	1701	5150	0.49279	0.01163	0.00379	0.017331
	STRING	1	477004	1706	153	0.54626	0.10442	0.00088	0.000586
CGP-DSSPD-NR10-EXE2	NonSpecific	1	476841	1706	316	0.51756	0.02531	-0.00018	0.000586
	ChIP-Seq	27	471885	1799	5153	0.49365	0.01179	0.00237	0.014786
	STRING	0	477133	1577	154	0.54613	0	-0.00103	0.0
CGP-DSSPD-NR10-EXE3	NonSpecific	3	476973	1574	314	0.51717	0.0239	0.00277	0.001902
	ChIP-Seq	27	472085	1599	5153	0.49468	0.01195	0.00327	0.016605
CCD DCCDD ND10 EVE4	STRING	0	477121	1589	154	0.54606	0	-0.00103	0.0
CGP-DSSPD-NR10-EXE4	NonSpecific	0	$476958 \\ 472029$	$1589 \\ 1655$	$317 \\ 5161$	$0.51688 \\ 0.49481$	$0 \\ 0.01198$	-0.00148 0.0003	$0.0 \\ 0.01135$
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	19 1	476997	1713	153	0.49481 0.54593	0.01198 0.10082	0.0008	0.01155 0.000583
CGP-DSSPD-NR10-EXE5	NonSpecific	1	476834	1713	316	0.54555 0.51651	0.10082 0.0219	-0.00018	0.000583
COI DESI D'INICIO EMES	ChIP-Seq	14	471938	1746	5166	0.49437	0.0219 0.01194	-0.00168	0.007955
	STRING	0	478127	583	154	0.54567	0	-0.00063	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	477964	583	317	0.51618	0	-0.0009	0.0
	ChIP-Seq	68	465177	8507	5112	0.4927	0.01179	-0.00377	0.00793
	STRING	0	477995	715	154	0.54567	0	-0.00069	0.0
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	477832	715	317	0.51603	0	-0.001	0.0
	ChIP-Seq	54	468160	5524	5126	0.49161	0.01172	-0.00119	0.009681
CCD KM DKM ND10 EVE2	STRING	0	478086	624	154	0.54567	0	-0.00065	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific ChIP-Seq	$0 \\ 41$	$477923 \\ 468904$	$624 \\ 4780$	$317 \\ 5139$	$0.51598 \\ 0.49078$	$0 \\ 0.01169$	-0.00093 -0.00226	$0.0 \\ 0.008504$
	STRING	0	403904 477939	771	154	0.49078 0.54567	0.01109	-0.00220 -0.00072	0.006504
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	477776	771	317	0.51588	0	-0.00103	0.0
	ChIP-Seq	54	468937	4747	5126	0.49102	0.01174	0.00042	0.011248
	STRING	0	477446	1264	154	0.54561	0	-0.00092	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	477283	1264	317	0.5158	0	-0.00132	0.0
	ChIP-Seq	27	469348	4336	5153	0.48952	0.01163	-0.00429	0.006188
	STRING	2	477050	1660	152	0.54534	0.09512	0.0029	0.001203
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	1	476886	1661	316	0.51537	0.01935	-0.00014	0.000602
	ChIP-Seq	16	471915	1769	5164	0.48941	0.01164	-0.0011	0.008964
CCD VM DCCDD MD40 EVEC	STRING Non-Specific	1	477149	1561	153	0.54482	0.09077	0.00102	0.00064
CGP-KM-DSSPD-NR10-EXE2	NonSpecific ChIP-Seq	$\frac{2}{28}$	$476987 \\ 471972$	$1560 \\ 1712$	$315 \\ 5152$	$0.51661 \\ 0.49019$	$0.01971 \\ 0.01174$	0.00137 0.00308	0.00128 0.016092
	STRING	0	477087	1623	154	0.49019 0.54469	0.01174	-0.00105	0.010092
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	1	476925	1623 1622	316	0.54469 0.51597	0.01866	-0.00103	0.000616
COL TIME DOOL D MICHO-LINES	ChIP-Seq	$\frac{1}{37}$	471924	1760	510 5143	0.49154	0.01300 0.01189	0.0058	0.02059
	STRING	0	477058	1652	154	0.54462	0.01100	-0.00105	0.02000
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	1	476896	1651	316	0.51704	0.01882	-0.00013	0.000605
	ChIP-Seq	17	471896	1788	5163	0.4911	0.01186	-0.00083	0.009418
	STRING	1	477130	1580	153	0.54449	0.08832	0.001	0.000633
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	0	476966	1581	317	0.5165	0	-0.00148	0.0
	ChIP-Seq	32	471901	1783	5148	0.49217	0.01197	0.00406	0.017631

4 Configuration 1000TF

4.1 Ignoring Self-Loop

Tabela 43: Tabular results for hESC problem considering the 1000TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	97	1977918	5033	5052	0.50762	0.03152	0.01633	0.018835
PIDC	NonSpecific	40	1978945	4558	4557	0.50339	0.00954	0.0064	0.008662
	ChIP-Seq	23	1974021	7029	7027	0.5002	0.00475	-0.00029	0.003247
CENTES	STRING	51	1977862	5089	5098	0.50996	0.03071	0.00734	0.009905
GENIE3	NonSpecific ChIP-Seq	19 60	$1978911 \\ 1974039$	$4592 \\ 7011$	$4578 \\ 6990$	$0.5039 \\ 0.50239$	$0.00735 \\ 0.0065$	0.00181 0.00496	0.004113 0.008465
	STRING	75	1977893	5058	5074	0.50239 0.51153	0.03068	0.00490 0.01203	0.003405 0.014566
GRNBOOST2	NonSpecific	23	1978924	4579	4574	0.50372	0.0065	0.00269	0.014980 0.004982
	ChIP-Seq	47	1974045	7005	7003	0.50283	0.00647	0.00313	0.006635
	STRING	21	1978009	4942	5128	0.51236	0.02607	0.00162	0.004078
SINCERITIES	NonSpecific	37	1979093	4410	4560	0.50651	0.00685	0.00592	0.008014
	ChIP-Seq	56	1974268	6782	6994	0.50493	0.00666	0.00459	0.007905
PROCE	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$0 \\ 64$	$0 \\ 1957185$	$0 \\ 25766$	$0 \\ 5085$	$0 \\ 0.51255$	$0 \\ 0.02288$	0 -0.00025	$0 \\ 0.002436$
CGP-DSSPD-NR5-EXE1	NonSpecific	69	1957165 1957741	25760 25762	4529	0.51255 0.50668	0.02288 0.0061	0.00025	0.002430 0.002626
CGI BSSI B TVIO EXEL	ChIP-Seq	107	1955326	25724	6944	0.50525	0.0062	0.00000	0.002020
	STRING	64	1957185	25766	5085	0.51255	0.02288	-0.00025	0.002436
CGP-DSSPD-NR5-EXE2	NonSpecific	69	1957741	25762	4529	0.50668	0.0061	0.00086	0.002626
	ChIP-Seq	107	1955326	25724	6944	0.50525	0.0062	0.00115	0.004072
	STRING	67	1957002	25949	5082	0.5123	0.02064	-3e-05	0.002528
CGP-DSSPD-NR5-EXE3	NonSpecific	62	1957549	25954	4535	0.50627	0.00549	0.00017	0.00234
	ChIP-Seq	77 67	1955110	25940	6974	0.5052	0.00585	-0.00114	0.002906
CGP-DSSPD-NR5-EXE4	STRING NonSpecific	$\frac{67}{78}$	$\frac{1957052}{1957615}$	25899 25888	$5082 \\ 4519$	$0.51241 \\ 0.5071$	0.0194 0.00543	-2e-05 0.00166	0.00253 0.002946
CGI -DSSI D-NIG-EXE4	ChIP-Seq	89	1957013 1955173	25877	6961	0.5071 0.50503	0.00545 0.00559	-0.00023	0.002340 0.003361
	STRING	52	1956678	26273	5097	0.50503	0.00833 0.01821	-0.0014	0.001937
CGP-DSSPD-NR5-EXE5	NonSpecific	65	1957243	26260	4532	0.50687	0.00514	0.00038	0.002421
	ChIP- Seq	102	1954827	26223	6948	0.50492	0.00543	0.00064	0.0038
	STRING	64	1957185	25766	5085	0.51192	0.01821	-0.00025	0.002436
CGP-DSSPD-NR10-EXE1	NonSpecific	69	1957741	25762	4529	0.50687	0.00514	0.00086	0.002626
	ChIP-Seq	107	1955326	25724	6944	0.50492	0.00543	0.00115	0.004072
CCD DCCDD ND10 EVE9	STRING	64	1957185	25766	5085	0.51192	0.01821	-0.00025	0.002436
CGP-DSSPD-NR10-EXE2	NonSpecific ChIP-Seq	$\frac{69}{107}$	$1957741 \\ 1955326$	$25762 \\ 25724$	$4529 \\ 6944$	$0.50687 \\ 0.50492$	0.00514 0.00543	$0.00086 \\ 0.00115$	$0.002626 \\ 0.004072$
	STRING	67	1955520 1957002	25724 25949	5082	0.50492 0.51192	0.00343 0.01821	-3e-05	0.004072 0.002528
CGP-DSSPD-NR10-EXE3	NonSpecific	62	1957549	25954	4535	0.50687	0.01521 0.00514	0.00017	0.002320
	ChIP-Seq	77	1955110	25940	6974	0.50492	0.00543	-0.00114	0.002906
	STRING	67	1957052	25899	5082	0.51192	0.01821	-2e-05	0.00253
CGP-DSSPD-NR10-EXE4	NonSpecific	78	1957615	25888	4519	0.50687	0.00514	0.00166	0.002946
	ChIP-Seq	89	1955173	25877	6961	0.50492	0.00543	-0.00023	0.003361
CCD DCCDD ND10 DVD	STRING	52	1956678	26273	5097	0.51192	0.01821	-0.0014	0.001937
CGP-DSSPD-NR10-EXE5	NonSpecific	65 102	1957243	26260	$4532 \\ 6948$	0.50687	0.00514 0.00543	0.00038	0.002421
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	134	$1954827 \\ 1953421$	26223 29530	5015	$0.50492 \\ 0.513$	0.00343 0.018	$0.00064 \\ 0.00467$	0.0038 0.004443
CGP-KM-BKM-NR10-EXE1	NonSpecific	63	1953421 1953901	29602	4535	0.516	0.013 0.00492	-0.00407	0.004443 0.002089
	ChIP-Seq	89	1951475	29575	6961	0.50445	0.00523	-0.00113	0.002951
	STRING	128	1953707	29244	5021	0.51335	0.01811	0.00426	0.004287
CGP-KM-BKM-NR10-EXE2	NonSpecific	59	1954189	29314	4539	0.50675	0.0049	-0.00077	0.001976
	ChIP- Seq	76	1951754	29296	6974	0.50449	0.00523	-0.00198	0.002545
CCD WALDWALL NO.	STRING	111	1954647	28304	5038	0.51391	0.0179	0.00312	0.003847
CGP-KM-BKM-NR10-EXE3	NonSpecific	63	1955151	28352	4534	0.50669	0.00478	-0.00024	0.002184
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{88}{116}$	$1952723 \\ 1953899$	28327 29052	$6962 \\ 5033$	$0.50421 \\ 0.51355$	$0.00511 \\ 0.01735$	-0.00091 0.00333	0.00305 0.003923
CGP-KM-BKM-NR10-EXE4	NonSpecific	53	1954388	29032 29115	4544	0.51555 0.50679	0.01735 0.0047	-0.00126	0.003923 0.001792
	ChIP-Seq	85	1951967	29083	6965	0.50376	0.005	-0.0013	0.002874
	STRING	96	1954883	28068	5053	0.5137	0.01707	0.00193	0.003353
CGP- KM - BKM - $NR10$ - $EXE5$	NonSpecific	74	1955413	28090	4523	0.50694	0.00466	0.00079	0.002584
	ChIP- Seq	69	1952955	28095	6981	0.50357	0.00495	-0.00221	0.00241
	STRING	81	1958084	24867	5068	0.5152	0.01716	0.00146	0.003184
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	65	1958618	24885	4534	0.50731	0.00463	0.00068	0.002555
	ChIP-Seq	83	1956185	24865	6967	0.50344	0.0049	-0.00042	0.003263
CGP-KM-DSSPD-NR10-EXE2	STRING NonSpecific	69 60	$1959454 \\ 1959997$	23497 23506	$5080 \\ 4537$	$0.51531 \\ 0.50724$	$0.01717 \\ 0.00461$	0.00073 0.00053	0.002876 0.002501
OH-IMI-DOM D-MIMU-EAEZ	ChIP-Seq	55	1959997 1957539	23500 23511	6995	0.50724 0.50339	0.00481 0.00489	-0.00223	0.002301 0.002292
	STRING	90	1958369	24582	5059	0.50693 0.51693	0.00405 0.01735	0.00223	0.002232 0.003579
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	59	1958890	24613	4538	0.50737	0.00456	0.00018	0.002346
	ChIP-Seq	77	1956455	24595	6973	0.50223	0.00474	-0.0008	0.003062
	STRING	80	1959210	23741	5069	0.51803	0.01725	0.00167	0.00329
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	68	1959750	23753	4529	0.50744	0.00451	0.00124	0.002797
	ChIP-Seq	82	1957311	23739	6968	0.502	0.00471	-0.00019	0.003372
CCD KM DCCDD ND10 EVE	STRING NonSpecific	84 64	1958605	24346	5065	0.51849	0.01699	0.00186	0.00338
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	64 87	1959137 1956706	24366 24344	$4533 \\ 6964$	$0.5072 \\ 0.50104$	0.00443 0.0046	0.00071 3e-05	0.002575 0.0035
	Onn -bed	01	1900100	44044	0004	0.00104	0.0040	90-00	0.0000

Tabela 44: Tabular results for hHep problem considering the 1000TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	214	2079032	8672	8786	0.50889	0.0279	0.01975	0.023767
PIDC	NonSpecific	50	2086137	5232	5285	0.50337	0.00811	0.0069	0.009342
	ChIP-Seq	184	2066094	15200	15226	0.5025	0.01184	0.00464	0.011827
CENTES	STRING	115	2078825	8879	8885	0.50935	0.02291	0.00853	0.012774
GENIE3	NonSpecific	$\frac{28}{79}$	2086045	5324	5307	0.50366	0.00648 0.0094	0.0027	0.005231
	ChIP-Seq STRING	19 116	$2065848 \\ 2078877$	$15446 \\ 8827$	$15331 \\ 8884$	$0.50086 \\ 0.51008$	0.0094 0.02194	-0.00229 0.00869	0.005077 0.012885
GRNBOOST2	NonSpecific	28	2086064	5305	5307	0.51008 0.50358	0.02194 0.00594	0.00303 0.00271	0.012033
GILI (BOOSI 2	ChIP-Seq	98	2065973	15321	15312	0.50076	0.00917	-0.001	0.006299
	STRING	33	2078834	8870	8967	0.50967	0.01873	-0.00059	0.003665
SINCERITIES	NonSpecific	10	2086084	5285	5325	0.50331	0.00511	-0.00065	0.001869
	ChIP-Seq	171	2066105	15189	15241	0.50273	0.00984	0.0038	0.01099
DDCOD	STRING	0	0	0	0	0	0	0	0
PPCOR	NonSpecific ChIP-Seq	$0 \\ 0$	0	$0 \\ 0$	$0 \\ 0$	0	$0 \\ 0$	0	0
	STRING	$\frac{0}{127}$	2061052	$\frac{0}{26652}$	8873	0.50993	0.01748	0.00078	0.00465
CGP-DSSPD-NR5-EXE1	NonSpecific	69	2064659	26710	5266	0.50412	0.00506	7e-05	0.002526
	ChIP-Seq	220	2054734	26560	15191	0.50296	0.00962	0.00115	0.008054
	STRING	127	2061052	26652	8873	0.50993	0.01748	0.00078	0.00465
CGP-DSSPD-NR5-EXE2	NonSpecific	69	2064659	26710	5266	0.50412	0.00506	7e-05	0.002526
	ChIP-Seq	220	2054734	26560	15191	0.50296	0.00962	0.00115	0.008054
CCD DCCDD NDF EVE?	STRING	117	2060889	26815	8883	0.50963	0.01643	9e-05	0.004266
CGP-DSSPD-NR5-EXE3	NonSpecific ChIP-Seq	$\frac{58}{190}$	$2064495 \\ 2054549$	$26874 \\ 26745$	$5277 \\ 15223$	$0.50387 \\ 0.50259$	$0.00474 \\ 0.00935$	-0.00089 -0.0004	0.002115 0.006928
	STRING	97	2061790	25914	8903	0.50205 0.50905	0.00558	-0.00097	0.003525 0.003655
CGP-DSSPD-NR5-EXE4	NonSpecific	75	2065433	25936	5260	0.50438	0.0047	0.00075	0.002826
	ChIP-Seq	226	2055508	25786	15185	0.5032	0.00938	0.00176	0.008516
	STRING	126	2061057	26647	8874	0.50922	0.01523	0.00072	0.004613
CGP-DSSPD-NR5-EXE5	NonSpecific	77	2064673	26696	5258	0.50455	0.00461	0.00075	0.002819
	ChIP-Seq	192	2054711	26583	15220	0.50334	0.00932	-0.00024	0.007029
CGP-DSSPD-NR10-EXE1	STRING NonSpecific	127 69	$2061052 \\ 2064659$	26652 26710	$8873 \\ 5266$	$0.50922 \\ 0.50455$	0.01523 0.00461	0.00078 7e-05	$0.00465 \\ 0.002526$
CGI -DSSI D-MITO-EXEI	ChIP-Seq	220	2054734	26710 26560	15191	0.50433 0.50334	0.00401 0.00932	0.00115	0.002520 0.008054
	STRING	127	2061052	26652	8873	0.50922	0.01523	0.00078	0.00465
CGP-DSSPD-NR10-EXE2	NonSpecific	69	2064659	26710	5266	0.50455	0.00461	7e-05	0.002526
	ChIP-Seq	220	2054734	26560	15191	0.50334	0.00932	0.00115	0.008054
CCD DCCDD ND40 EVE	STRING	$\frac{117}{50}$	2060889	26815	8883	0.50922	0.01523	9e-05	0.004266
CGP-DSSPD-NR10-EXE3	NonSpecific	58	2064495	26874	5277	0.50455	0.00461	-0.00089	0.002115
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{190}{97}$	$2054549 \\ 2061790$	$26745 \\ 25914$	15223 8903	$0.50334 \\ 0.50922$	0.00932 0.01523	-0.0004 -0.00097	0.006928 0.003655
CGP-DSSPD-NR10-EXE4	NonSpecific	75	2065433	25936	5260	0.50455	0.00461	0.00075	0.002826
	ChIP-Seq	226	2055508	25786	15185	0.50334	0.00932	0.00176	0.008516
	STRING	126	2061057	26647	8874	0.50922	0.01523	0.00072	0.004613
CGP-DSSPD-NR10-EXE5	NonSpecific	77	2064673	26696	5258	0.50455	0.00461	0.00075	0.002819
	ChIP-Seq	192	2054711	26583	15220	0.50334	0.00932	-0.00024	0.007029
CGP-KM-BKM-NR10-EXE1	STRING NonSpecific	$\begin{array}{c} 286 \\ 217 \end{array}$	$2057258 \\ 2060854$	$30446 \\ 30515$	$8714 \\ 5118$	$0.51412 \\ 0.50813$	$0.01636 \\ 0.0052$	0.00935 0.01093	0.009104 0.006907
OGI -KWI-BKWI-WITIO-EXEI	ChIP-Seq	$\frac{217}{277}$	2050834	30456	15134	0.50619	0.0032 0.00977	0.01033 0.00237	0.008817
	STRING	269	2058082	29622	8731	0.51488	0.01629	0.00866	0.008797
$CGP ext{-}KM ext{-}BKM ext{-}NR10 ext{-}EXE2$	NonSpecific	199	2061677	29692	5136	0.51043	0.00558	0.00982	0.006508
	ChIP-Seq	283	2051685	29609	15128	0.50936	0.01014	0.00298	0.009255
CCD IN A DIN A ND 40 EVEO	STRING	299	2058239	29465	8701	0.51825	0.01684	0.01056	0.009846
CGP-KM-BKM-NR10-EXE3	NonSpecific	238	2061843	29526	5097	0.5118	0.00569	$0.01299 \\ 0.00657$	0.007837
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{358}{270}$	$2051887 \\ 2058639$	$29407 \\ 29065$	$15053 \\ 8730$	$0.51179 \\ 0.5208$	$0.01038 \\ 0.01717$	0.00895	0.011789 0.009029
CGP-KM-BKM-NR10-EXE4	NonSpecific	$\frac{210}{201}$	2062235	29134	5134	0.51289	0.00576	0.01018	0.005025 0.006722
	ChIP-Seq	270	2052229	29065	15140	0.51287	0.0104	0.00259	0.009029
	STRING	276	2058234	29470	8724	0.52253	0.01727	0.00915	0.009105
CGP-KM-BKM-NR10-EXE5	NonSpecific	192	2061815	29554	5143	0.51318	0.0057	0.00931	0.006334
	ChIP-Seq	301	2051846	29448	15112	0.51423	0.01046	0.00389	0.00993
CCD VM DCCDD ND10 EVE1	STRING	177	2061628	26076	8823	0.52222	0.01688	0.00422	0.006623
CGP-KM-DSSPD-NR10-EXE1	NonSpecific ChIP-Seq	$109 \\ 204$	$2065225 \\ 2055244$	26144 26050	$5226 \\ 15207$	$0.51261 \\ 0.51315$	$0.00548 \\ 0.0102$	$0.00359 \\ 0.00055$	0.004079 0.007634
	STRING	189	2062376	25328	8811	0.52231	0.01688	0.00529	0.007064 0.007269
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	101	2065953	25416	5234	0.51289	0.00551	0.00320	0.003884
	ChIP-Seq	203	2055979	25315	15208	0.51328	0.01022	0.00079	0.007807
	STRING	184	2061736	25968	8816	0.52192	0.01657	0.00472	0.006915
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	97	2065314	26055	5238	0.5121	0.00529	0.0026	0.003645
	ChIP-Seq	153	2055294	26000	15258	0.51207	0.00998	-0.00197	0.00575
CGP-KM-DSSPD-NR10-EXE4	STRING NonSpecific	$\begin{array}{c} 153 \\ 79 \end{array}$	$2062216 \\ 2065807$	$25488 \\ 25562$	$8847 \\ 5256$	$0.52143 \\ 0.51159$	$0.01626 \\ 0.00514$	$0.00285 \\ 0.00119$	0.005862 0.003027
OGI -IXWI-DOGF D-IXXIU-EAE4	ChIP-Seq	19 126	2065807 2055779	25502 25515	$\frac{5250}{15284}$	0.51159 0.51001	0.00514 0.0097	-0.00119	0.003027 0.004827
	STRING	186	2062015	25689	8814	0.52118	0.01602	0.00495	0.007044
					5237	0.51129	0.00503	0.00276	
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	98	$2065592 \\ 2055553$	25777	3231	0.51129 0.50836	0.00505	0.00210	0.003711

Tabela 45: Tabular results for mDC problem considering the 1000TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	130	1733375	5768	5768	0.5085	0.03675	0.01872	0.022041
PIDC	NonSpecific	71	1737274	3849	3847	0.50803	0.0208	0.01591	0.018112
	ChIP-Seq STRING	$\frac{2}{58}$	$1742656 \\ 1733303$	$1192 \\ 5840$	$1191 \\ 5840$	$0.5004 \\ 0.508$	0.00363 0.02707	0.00099 0.00648	0.001675 0.009834
GENIE3	NonSpecific	$\frac{38}{29}$	1737234	3889	3889	0.508 0.50817	0.02707	0.00048 0.00517	0.009834 0.007402
GENER	ChIP-Seq	1	1742656	1192	1192	0.50005	0.00259	0.00017	0.000838
	STRING	61	1733306	5837	5837	0.5079	0.02392	0.00699	0.010342
GRNBOOST2	NonSpecific	25	1737230	3893	3893	0.5083	0.01187	0.00415	0.006381
	ChIP-Seq	0	1742655	1193	1193	0.49988	0	-0.00068	0.0
	STRING	16	1733619	5524	5882	0.50754	0.0207	-0.00048	0.002712
SINCERITIES	NonSpecific	5	1737422	3701	3913	0.5078	0.00897	-0.00087	0.001276
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$0 \\ 0$	1742711	$\begin{array}{c} 1137 \\ 0 \end{array}$	$\begin{array}{c} 1193 \\ 0 \end{array}$	0.49951	$0 \\ 0$	-0.00067 0	$0.0 \\ 0$
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	97	1712177	26966	5801	0.5073	0.01891	0.00044	0.003584
CGP-DSSPD-NR5-EXE1	NonSpecific	52	1714112	27011	3866	0.5075	0.00762	-0.00086	0.001921
	ChIP-Seq	21	1716806	27042	1172	0.49956	0.00218	0.00044	0.000776
CCD DCCDD ND EVE	STRING	97	1712177	26966	5801	0.5073	0.01891	0.00044	0.003584
CGP-DSSPD-NR5-EXE2	NonSpecific ChIP-Seq	$\frac{52}{21}$	$1714112 \\ 1716806$	27011 27042	$3866 \\ 1172$	$0.5075 \\ 0.49956$	$0.00762 \\ 0.00218$	-0.00086 0.00044	0.001921 0.000776
	STRING	87	1710300 1712290	26853	5811	0.49950 0.50754	0.00218 0.01813	-0.00044	0.003229
CGP-DSSPD-NR5-EXE3	NonSpecific	56	1714239	26884	3862	0.50747	0.00694	-0.00044	0.002079
	ChIP-Seq	23	1716931	26917	1170	0.49962	0.00228	0.00081	0.000854
	STRING	120	1712255	26888	5778	0.50789	0.01768	0.0023	0.004443
CGP-DSSPD-NR5-EXE4	NonSpecific	67	1714182	26941	3851	0.50774	0.0066	0.00062	0.002481
	ChIP-Seq	20	1716860	26988	1173	0.49969	0.00234	0.00027	0.000741
CGP-DSSPD-NR5-EXE5	STRING NonSpecific	77 59	$1712319 \\ 1714281$	26824 26842	$\frac{5821}{3859}$	$0.5073 \\ 0.5074$	$0.01691 \\ 0.00621$	-0.00112 -0.00014	0.002862 0.002193
CGI -DSSI D-IVIG-EALS	ChIP-Seq	$\frac{33}{23}$	1716970	26878	1170	0.50059	0.00021 0.00277	0.00014	0.002155 0.000855
	STRING	97	1712177	26966	5801	0.5073	0.01691	0.00044	0.003584
CGP-DSSPD-NR10-EXE1	NonSpecific	52	1714112	27011	3866	0.5074	0.00621	-0.00086	0.001921
	ChIP-Seq	21	1716806	27042	1172	0.50059	0.00277	0.00044	0.000776
CCD DCCDD ND10 EVE0	STRING	97	1712177	26966	5801	0.5073	0.01691	0.00044	0.003584
CGP-DSSPD-NR10-EXE2	NonSpecific ChIP-Seq	$\frac{52}{21}$	$1714112 \\ 1716806$	27011 27042	$3866 \\ 1172$	$0.5074 \\ 0.50059$	$\begin{array}{c} 0.00621 \\ 0.00277 \end{array}$	-0.00086 0.00044	0.001921 0.000776
	STRING	87	1710800 1712290	26853	5811	0.50039 0.5073	0.00277 0.01691	-0.00044	0.000770 0.003229
CGP-DSSPD-NR10-EXE3	NonSpecific	56	1714239	26884	3862	0.5074	0.00621	-0.00044	0.002079
	ChIP-Seq	23	1716931	26917	1170	0.50059	0.00277	0.00081	0.000854
	STRING	120	1712255	26888	5778	0.5073	0.01691	0.0023	0.004443
CGP-DSSPD-NR10-EXE4	NonSpecific	67	1714182	26941	3851	0.5074	0.00621	0.00062	0.002481
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{20}{77}$	$1716860 \\ 1712319$	26988 26824	$1173 \\ 5821$	$0.50059 \\ 0.5073$	0.00277 0.01691	0.00027 -0.00112	0.000741 0.002862
CGP-DSSPD-NR10-EXE5	NonSpecific	59	1712313 1714281	26842	3859	0.5073 0.5074	0.01631 0.00621	-0.00112	0.002302 0.002193
	ChIP-Seq	23	1716970	26878	1170	0.50059	0.00277	0.00082	0.000855
	STRING	138	1707417	31726	5760	0.50712	0.0165	0.00224	0.004331
CGP-KM-BKM-NR10-EXE1	NonSpecific	82	1709341	31782	3836	0.50745	0.006	0.00095	0.002573
	ChIP-Seq	0	1742472	1376	1193	0.50021	0	-0.00073	0.0
CGP-KM-BKM-NR10-EXE2	STRING NonSpecific	134 80	$1707641 \\ 1709567$	$31502 \\ 31556$	$5764 \\ 3838$	$0.5071 \\ 0.50742$	0.01648 0.00599	$0.002 \\ 0.00081$	0.004236 0.002529
CGF-RM-DRM-NR10-EAE2	ChIP-Seq	0	1709507 1742508	1340	1193	0.50742 0.50021	0.00599	-0.00072	0.002529
	STRING	151	1705011	34132	5747	0.50862	0.01688	0.0025	0.004405
CGP-KM-BKM-NR10-EXE3	NonSpecific	100	1706940	34183	3818	0.50713	0.00578	0.00201	0.002917
	ChIP-Seq	0	1742341	1507	1193	0.49995	0	-0.00077	0.0
CCD WALDWALANDAG EWEA	STRING	130	1706420	32723	5768	0.50922	0.01686	0.00138	0.003957
CGP-KM-BKM-NR10-EXE4	NonSpecific ChIP-Seq	$79 \\ 0$	$1708349 \\ 1742337$	$32774 \\ 1511$	$3839 \\ 1193$	0.50768	0.00578	0.00047 -0.00077	0.002405 0.0
	STRING	$\frac{0}{131}$	1742337	33875	5767	$0.49977 \\ 0.51034$	0.01709	0.00077	0.003852
CGP-KM-BKM-NR10-EXE5	NonSpecific	79	1707196	33927	3839	0.50768	0.00569	0.00113	0.002323
	ChIP-Seq	0	1742305	1543	1193	0.49958	0	-0.00078	0.0
	STRING	110	1714296	24847	5788	0.51158	0.01727	0.00213	0.004408
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	83	1716249	24874	3835	0.50865	0.00575	0.00275	0.003326
	ChIP-Seq	16	1718907	24941	1177	0.49921	0.00226	-0.0002	0.000641
CGP-KM-DSSPD-NR10-EXE2	STRING NonSpecific	113 83	$1714250 \\ 1716200$	24893 24923	$5785 \\ 3835$	$0.51156 \\ 0.50863$	$0.01726 \\ 0.00575$	0.00237 0.00274	0.004519 0.003319
CGI -IXWI-DODI D-INICIU-EAEZ	ChIP-Seq	83 16	1718258	24925 24990	1177	0.30803 0.4992	0.00375 0.00226	-0.00274	0.003319 0.00064
	STRING	93	1713874	25269	5805	0.4332 0.51254	0.00220 0.01734	0.0002	0.003667
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	69	1715830	25293	3849	0.50898	0.0057	0.00122	0.002721
	ChIP-Seq	18	1718504	25344	1175	0.49883	0.00218	0.00012	0.00071
00D 10 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	STRING	95	1713531	25612	5803	0.51266	0.01717	0.00067	0.003695
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	68	1715484	25639	3850	0.50952	0.0057	0.00103	0.002645
	ChIP-Seq STRING	10 93	$1718151 \\ 1713671$	25697 25472	$\frac{1183}{5805}$	$0.49848 \\ 0.51311$	0.00211 0.01712	-0.00138 0.00054	0.000389 0.003638
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	93 60	1715618	25472 25505	3858	0.51511 0.50957	0.01712 0.00563	0.00034 0.00026	0.003038 0.002347
	ChIP-Seq	28	1718311	25537	1165	0.49812	0.00305 0.00205	0.00020 0.00192	0.002947 0.001095
	1								

Tabela 46: Tabular results for mESC problem considering the 1000TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	251	2607692	8229	8228	0.51305	0.05944	0.02645	0.029599
PIDC	NonSpecific	127	2608467	7903	7903	0.50671	0.02026	0.0128	0.015816
	ChIP-Seq STRING	$958 \\ 148$	$\begin{array}{c} 2539767 \\ 2607588 \end{array}$	$41838 \\ 8333$	$41837 \\ 8331$	$0.50297 \\ 0.51542$	0.02627 0.04868	0.00618 0.01427	$\begin{array}{c} 0.022385 \\ 0.017451 \end{array}$
GENIE3	NonSpecific	81	2608421	7949	7949	0.51542 0.5075	0.04808 0.01354	0.01427 0.00705	0.017431 0.010087
GENER	ChIP-Seq	1158	2539968	41637	41637	0.50528	0.02613	0.01093	0.027059
	STRING	145	2607587	8334	8334	0.51608	0.04401	0.01392	0.017101
GRNBOOST2	NonSpecific	92	2608432	7938	7938	0.50792	0.01224	0.00842	0.011457
	ChIP-Seq	1202	2540012	41593	41593	0.50648	0.02647	0.01198	0.028087
	STRING	52	2607634	8287	8427	0.51701	0.0349	0.00299	0.006132
SINCERITIES	NonSpecific	36	2608508	7862	7994	0.50832	0.01024	0.00149	0.004483
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$752 \\ 0$	2540495	$\begin{array}{c} 41110 \\ 0 \end{array}$	42043	$0.50712 \\ 0$	$0.02566 \\ 0$	0.00167	0.017572
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
11 0010	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	91	2586718	29203	8388	0.51691	0.03113	-0.00023	0.003106
CGP-DSSPD-NR5-EXE1	NonSpecific	93	2587169	29201	7937	0.50773	0.00895	0.00022	0.003175
	ChIP-Seq	388	2552699	28906	42407	0.50612	0.02484	-0.00257	0.013245
CCD DCCDD NDT EVE	STRING	91	2586718	29203	8388	0.51691	0.03113	-0.00023	0.003106
CGP-DSSPD-NR5-EXE2	NonSpecific ChIP-Seq	$\frac{93}{388}$	$2587169 \\ 2552699$	29201 28906	$7937 \\ 42407$	$0.50773 \\ 0.50612$	0.00895 0.02484	0.00022 -0.00257	$0.003175 \\ 0.013245$
	STRING	91	2586347	29574	8388	0.50012 0.51682	0.02464 0.02867	-0.00231	0.013243 0.003068
CGP-DSSPD-NR5-EXE3	NonSpecific	83	2586788	29582	7947	0.50798	0.00847	-0.00051	0.002798
	ChIP-Seq	429	2552369	29236	42366	0.50559	0.02442	-0.00156	0.014461
	STRING	104	2586561	29360	8375	0.51676	0.02698	0.00056	0.00353
CGP-DSSPD-NR5-EXE4	NonSpecific	94	2587000	29370	7936	0.5084	0.0082	0.00025	0.00319
	ChIP-Seq	468	2552609	28996	42327	0.50534	0.02418	-0.00036	0.015884
CGP-DSSPD-NR5-EXE5	STRING NonSpecific	$\frac{99}{84}$	$2586481 \\ 2586915$	29440 29455	$8380 \\ 7946$	$0.51697 \\ 0.50836$	$0.02586 \\ 0.00788$	0.00023 -0.00042	0.003352 0.002844
CGI -DSSI D-IVIto-EALO	ChIP-Seq	462	2552528	29077	42333	0.50533	0.02402	-0.00042	0.002644 0.01564
	STRING	91	2586718	29203	8388	0.51697	0.02586	-0.00023	0.003106
CGP-DSSPD-NR10-EXE1	NonSpecific	93	2587169	29201	7937	0.50836	0.00788	0.00022	0.003175
	ChIP-Seq	388	2552699	28906	42407	0.50513	0.02402	-0.00257	0.013245
CGP-DSSPD-NR10-EXE2	STRING	91	2586718	29203	8388	0.51697	0.02586	-0.00023	0.003106
CGP-D55PD-NK10-EXE2	NonSpecific ChIP-Seq	$\frac{93}{388}$	$2587169 \\ 2552699$	29201 28906	$7937 \\ 42407$	$0.50836 \\ 0.50513$	$0.00788 \\ 0.02402$	0.00022 -0.00257	$0.003175 \\ 0.013245$
	STRING	91	2586347	29574	8388	0.51697	0.02402 0.02586	-0.00031	0.003068
CGP-DSSPD-NR10-EXE3	NonSpecific	83	2586788	29582	7947	0.50836	0.00788	-0.00051	0.002798
	ChIP-Seq	429	2552369	29236	42366	0.50513	0.02402	-0.00156	0.014461
CGP-DSSPD-NR10-EXE4	STRING NonSpecific	$\frac{104}{94}$	$\frac{2586561}{2587000}$	29360 29370	$8375 \\ 7936$	$0.51697 \\ 0.50836$	$0.02586 \\ 0.00788$	0.00056 0.00025	0.00353 0.00319
CGF-DSSFD-NRIO-EAE4	ChIP-Seq	468	2557600	28996	42327	0.50530 0.50513	0.00788 0.02402	-0.00025	0.00519 0.015884
	STRING	99	2586481	29440	8380	0.51697	0.02586	0.00023	0.003352
CGP-DSSPD-NR10-EXE5	NonSpecific	84	2586915	29455	7946	0.50836	0.00788	-0.00042	0.002844
	ChIP-Seq	462	2552528	29077	42333	0.50513	0.02402	-0.00056	0.01564
CCD VM DVM ND10 EVE1	STRING	174	2576104	39817	8305	0.51815	0.02542	0.00246	0.004351
CGP-KM-BKM-NR10-EXE1	NonSpecific ChIP-Seq	$\frac{139}{564}$	$2576518 \\ 2542178$	$39852 \\ 39427$	$7891 \\ 42231$	$0.50933 \\ 0.50421$	$0.00786 \\ 0.02371$	0.00094 -0.00216	$0.003476 \\ 0.014103$
	STRING	194	2575971	39950	8285	0.50421 0.51845	0.02571 0.02551	0.00352	0.014103 0.004833
CGP-KM-BKM-NR10-EXE2	NonSpecific	168	2576394	39976	7862	0.5095	0.00788	0.00254	0.004185
	ChIP-Seq	696	2542157	39448	42099	0.5061	0.02408	0.00102	0.017338
	STRING	120	2577236	38685	8359	0.51812	0.02463	-0.0003	0.003092
CGP-KM-BKM-NR10-EXE3	NonSpecific ChIP-Seq	$115 \\ 462$	$2577680 \\ 2543262$	$38690 \\ 38343$	7915 42333	$0.50949 \\ 0.50463$	$0.0077 \\ 0.02374$	-0.00021 -0.00426	0.002964
	STRING	$\frac{462}{177}$	2545262 2575813	38343 40108	42333 8302	0.50463 0.51791	0.02374 0.02395	0.00426 0.00256	0.011906 0.004394
CGP-KM-BKM-NR10-EXE4	NonSpecific	148	2576233	40137	7882	0.50953	0.02556	0.00230 0.00139	0.003674
	ChIP-Seq	709	2542029	39576	42086	0.50546	0.02386	0.00128	0.0176
	STRING	216	2576805	39116	8263	0.51799	0.02354	0.00491	0.005492
CGP-KM-BKM-NR10-EXE5	NonSpecific	174	2577212	39158	7856	0.51019	0.00757	0.00305	0.004424
	ChIP-Seq STRING	$\frac{541}{83}$	2542814	38791	42254	0.50477	0.02374 0.02327	-0.00248 -0.00038	0.013755
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	03 75	$2588555 \\ 2588996$	$27366 \\ 27374$	$8396 \\ 7955$	$0.51878 \\ 0.50984$	0.02327 0.00737	-0.00038	0.003024 0.002732
CGI -KM-DSSI D-MIIIO-EXEI	ChIP-Seq	477	2554633	26972	42318	0.50504 0.50508	0.00737 0.02379	0.00087	0.002132 0.017378
	STRING	94	2588645	27276	8385	0.51857	0.023	0.00037	0.003434
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	88	2589088	27282	7942	0.5098	0.00732	0.00029	0.003215
	ChIP-Seq	435	2554670	26935	42360	0.50458	0.02369	-0.00034	0.015893
CGP-KM-DSSPD-NR10-EXE3	STRING NonSpecific	84 85	2589061	26860 26850	8395	$0.51884 \\ 0.5097$	0.02266 0.00721	-0.0002 0.00017	0.003118
OGE-RM-DSSED-NKIU-EAE3	NonSpecific ChIP-Seq	$85 \\ 405$	$\begin{array}{c} 2589511 \\ 2555066 \end{array}$	26859 26539	$7945 \\ 42390$	0.5097 0.50417	0.00721 0.02363	-0.0017	0.003155 0.015031
	STRING	83	2588992	26929	8396	0.50417 0.51893	0.02303 0.02234	-0.00103	0.013031 0.003073
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	83	2589441	26929	7947	0.50997	0.00717	2e-05	0.003073
	ChIP-Seq	346	2554939	26666	42449	0.50329	0.02353	-0.00282	0.012809
COD IVAL DOODD ADAA EVE	STRING	95	2589419	26502	8384	0.51933	0.02216	0.00061	0.003572
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$77 \\ 370$	$\begin{array}{c} 2589850 \\ 2555378 \end{array}$	$26520 \\ 26227$	$7953 \\ 42425$	$0.50965 \\ 0.50296$	$0.00707 \\ 0.02351$	-0.0003 -0.00191	0.002895 0.013911
	Omr-bed	910	2000010	20221	42420	0.00290	0.02001	-0.00191	0.019911

Tabela 47: Tabular results for mHSC-E problem considering the 1000TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
D-D 0	STRING	71	1446035	1755	1755	0.51745	0.05694	0.03767	0.038883
PIDC	NonSpecific	36	1445732	1924	1924	0.50819	0.02343	0.01704	0.018367
	ChIP-Seq STRING	$\frac{276}{51}$	$1405941 \\ 1446014$	$21700 \\ 1776$	$21699 \\ 1775$	$0.4988 \\ 0.52204$	0.01485 0.04801	-0.00264 0.0267	$\begin{array}{c} 0.012559 \\ 0.027915 \end{array}$
GENIE3	NonSpecific	46	1445741	1915	1914	0.52204 0.51387	0.04301 0.02133	0.0207 0.02214	0.027913 0.023457
GENIE	ChIP-Seq	51	1405716	21925	21924	0.49448	0.01238	-0.01304	0.002321
	STRING	58	1446022	1768	1768	0.52393	0.04918	0.03054	0.031763
GRNBOOST2	NonSpecific	44	1445740	1916	1916	0.51412	0.0223	0.02113	0.022449
	ChIP-Seq	113	1405779	21862	21862	0.49327	0.01234	-0.01017	0.005142
	STRING	0	0	0	0	0	0	0	0
SINCERITIES	NonSpecific	0	0	0	0	0	0	0	0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$0 \\ 0$	0	0	$0 \\ 0$	0	$0 \\ 0$	$0 \\ 0$	$0 \\ 0$
PPCOR	NonSpecific	0	0	0	0	0	0	0	0
110010	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	22	1425250	22540	1804	0.52453	0.04572	-0.00101	0.000975
CGP-DSSPD-NR5-EXE1	NonSpecific	31	1425125	22531	1929	0.51527	0.0198	7e-05	0.001374
	ChIP-Seq	327	1405406	22235	21648	0.49303	0.01341	-0.00068	0.014493
CCD DCCDD ND EVE	STRING	25	1425278	22512	1801	0.52433	0.04224	-0.00053	0.001109
CGP-DSSPD-NR5-EXE2	NonSpecific ChIP-Seq	$\frac{23}{336}$	$1425142 \\ 1405440$	$\frac{22514}{22201}$	$1937 \\ 21639$	$0.51544 \\ 0.49283$	$0.01774 \\ 0.01393$	-0.00113 -0.00026	0.001021 0.014909
	STRING	20	1405440 1425974	21816	1806	0.49285 0.52386	0.01393 0.03927	-0.00020	0.014909 0.000916
CGP-DSSPD-NR5-EXE3	NonSpecific	$\frac{26}{24}$	1425844	21812	1936	0.51505	0.01595	-0.00085	0.001099
-	ChIP-Seq	359	1406164	21477	21616	0.49351	0.01441	0.0013	0.016441
	STRING	28	1425373	22417	1798	0.52394	0.03735	-4e-05	0.001247
CGP-DSSPD-NR5-EXE4	NonSpecific	44	1425255	22401	1916	0.51472	0.01477	0.00208	0.00196
	ChIP-Seq	360	1405556	22085	21615	0.49404	0.0147	0.0009	0.016039
CGP-DSSPD-NR5-EXE5	STRING NonSpecific	$\frac{28}{24}$	$1426042 \\ 1425904$	$21748 \\ 21752$	1798 1936	$0.52346 \\ 0.51438$	$0.03521 \\ 0.01386$	9e-05 -0.00084	0.001286 0.001102
CGI -DSSI D-IVIto-LALO	ChIP-Seq	$\frac{24}{331}$	1406196	21752 21445	21644	0.49404	0.01380 0.01482	4e-05	0.001102 0.0152
	STRING	28	1424744	23046	1798	0.52323	0.03357	-0.00017	0.001213
CGP-DSSPD-NR10-EXE1	NonSpecific	36	1424618	23038	1924	0.51401	0.01309	0.00072	0.00156
	ChIP-Seq	324	1404891	22750	21651	0.49367	0.01484	-0.00116	0.014042
CGP-DSSPD-NR10-EXE2	STRING	28	1424744	23046	1798	0.52323	0.03357	-0.00017	0.001213
CGP-DSSPD-NRI0-EAE2	NonSpecific ChIP-Seq	$\frac{36}{324}$	$1424618 \\ 1404891$	23038 22750	$1924 \\ 21651$	$0.51401 \\ 0.49367$	$0.01309 \\ 0.01484$	0.00072 -0.00116	$0.00156 \\ 0.014042$
	STRING	$\frac{324}{20}$	1424542	23248	1806	0.52388	0.01404 0.03295	-0.00110	0.014042 0.00086
CGP-DSSPD-NR10-EXE3	NonSpecific	27	1424415	23241	1933	0.51396	0.01264	-0.00067	0.00116
	ChIP- Seq	342	1404715	22926	21633	0.49353	0.01489	-0.00048	0.014698
CCD DCCDD ND40 EVE4	STRING	28	1424849	22941	1798	0.52343	0.03162	-0.00015	0.001219
CGP-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{31}{364}$	$1424718 \\ 1405036$	22938 22605	$1929 \\ 21611$	$0.51341 \\ 0.49384$	$0.01212 \\ 0.01496$	-1e-05 0.00072	$0.00135 \\ 0.015847$
	STRING	$\frac{304}{25}$	1403030 1424907	22883	1801	0.49384 0.5238	0.01490 0.031	-0.0006	0.013047 0.001091
CGP-DSSPD-NR10-EXE5	NonSpecific	34	1424782	22874	1926	0.51332	0.01178	0.00046	0.001484
	ChIP- Seq	386	1405119	22522	21589	0.49482	0.01509	0.00175	0.01685
	STRING	39	1425538	22252	1787	0.52362	0.03006	0.00173	0.00175
CGP-KM-BKM-NR10-EXE1	NonSpecific	36	1425401	22255	1924	0.51321	0.01146	0.00089	0.001615
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{333}{32}$	$1405683 \\ 1426185$	$21958 \\ 21605$	$21642 \\ 1794$	0.49499 0.52348	$0.0151 \\ 0.02974$	-0.00022 0.00076	0.014939 0.001479
CGP-KM-BKM-NR10-EXE2	NonSpecific	38	1426057	21599	1922	0.51302	0.02374 0.01133	0.00075	0.001475
	ChIP-Seq	315	1406319	21322	21660	0.4929	0.01493	-0.0006	0.014558
	STRING	30	1426252	21538	1796	0.52353	0.02942	0.00046	0.001391
CGP-KM-BKM-NR10-EXE3	NonSpecific	52	1426140	21516	1908	0.51299	0.01122	0.00354	0.002411
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{289}{34}$	$1406362 \\ 1426128$	$21279 \\ 21662$	$21686 \\ 1792$	$0.4925 \\ 0.52335$	$0.0149 \\ 0.02907$	-0.00177 0.00107	0.013399 0.001567
CGP-KM-BKM-NR10-EXE4	NonSpecific	$\frac{34}{37}$	1420128 1425997	21652	1792 1923	0.52335 0.51302	0.02907 0.01115	0.00107 0.00119	0.001307 0.001705
	ChIP-Seq	246	1406191	21450	21729	0.49092	0.01478	-0.00385	0.011338
	STRING	46	1425950	21840	1780	0.52323	0.02883	0.00294	0.002102
CGP-KM-BKM-NR10-EXE5	NonSpecific	33	1425803	21853	1927	0.51281	0.01103	0.00052	0.001508
	ChIP-Seq	288	1406043	21598	21687	0.49041	0.01474	-0.00203	0.013159
CGP-KM-DSSPD-NR10-EXE1	STRING NonSpecific	$49 \\ 47$	$\frac{1425850}{1425714}$	21940 21942	1777 1913	$0.52329 \\ 0.51225$	0.02823 0.01067	0.00339 0.00265	0.002228 0.002137
CGF-RM-DSSFD-NR10-EXEI	ChIP-Seq	$\frac{47}{314}$	1425714 1405966	21942 21675	21661	0.31223 0.49007	0.01067 0.01473	-0.00203	0.002137 0.01428
	STRING	48	1425982	21808	1778	0.52327	0.02819	0.00327	0.002196
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	27	1425827	21829	1933	0.51223	0.01066	-0.00039	0.001235
	ChIP-Seq	324	1406109	21532	21651	0.49178	0.01485	-0.00034	0.014824
CCD KM DCCDD MD10 EVE	STRING NonSpecific	43	1426038	$21752 \\ 21747$	1783	0.52333	0.02767	0.00248	0.001973
CGP-KM-DSSPD-NR10-EXE3	NonSpecific ChIP-Seq	$\frac{48}{280}$	$1425909 \\ 1406126$	21747 21515	$1912 \\ 21695$	$0.51269 \\ 0.4906$	$0.01061 \\ 0.01478$	0.00286 -0.00234	0.002202 0.012847
	STRING	46	1400120 1427231	20559	1780	0.4900 0.52335	0.01478 0.02716	0.00234 0.00329	0.012347 0.002232
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	35	1427086	20570	1925	0.51217	0.01038	0.00113	0.001699
	ChIP-Seq	285	1407321	20320	21690	0.48989	0.01474	-0.0013	0.013832
COD WALDGODD ND40 EVE	STRING	33	1425911	21879	1793	0.52365	0.02716	0.00086	0.001506
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{39}{264}$	$1425783 \\ 1405993$	21873 21648	$1921 \\ 21711$	0.51187 0.48877	0.00954 0.01471	0.00144 -0.00315	0.00178 0.012048
	omr-sed	204	1409999	21048	21/11	0.40011	0.01471	-0.00313	0.012048

Tabela 48: Tabular results for mHSC-GM problem considering the 1000TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	35	1278836	1277	1276	0.5114	0.04191	0.02569	0.026677
PIDC	NonSpecific	28	1278737	1330	1329	0.50949	0.03316	0.01959	0.020619
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	117 55	$1253270 \\ 1278857$	14019 1256	14018 1256	$0.49848 \\ 0.52309$	$0.01049 \\ 0.04703$	-0.00279 0.04097	0.008277 0.041953
GENIE3	NonSpecific	33	1278742	1325	1324	0.52509 0.51529	0.04703 0.03318	0.04097 0.02328	0.041955 0.0243
GENTEO	ChIP-Seq	85	1253237	14052	14050	0.49728	0.00997	-0.00507	0.006013
	STRING	53	1278855	1258	1258	0.52696	0.05021	0.03944	0.040427
GRNBOOST2	NonSpecific	35	1278745	1322	1322	0.51732	0.03352	0.02476	0.025792
	ChIP-Seq	116	1253270	14019	14019	0.49701	0.01015	-0.00286	0.008207
	STRING	0	1278806	1307	1311	0.5267	0	-0.00102	0.0
SINCERITIES	NonSpecific	0	1278714	1353	1357	0.51701	0	-0.00106	0.0
	ChIP-Seq	113	1253398	13891	14022	0.49545	0.01018	-0.00298	0.007994
PPCOR	STRING NonSpecific	0	$0 \\ 0$	$0 \\ 0$	0	0	$0 \\ 0$	$0 \\ 0$	$0 \\ 0$
11 COIt	ChIP-Seq	0	0	0	0	0	0	0	0
	STRING	14	1263303	16810	1297	0.52617	0.04348	-0.00069	0.000832
CGP-DSSPD-NR5-EXE1	NonSpecific	13	1263256	16811	1344	0.51643	0.02326	-0.00102	0.000773
	ChIP- Seq	153	1250618	16671	13982	0.49453	0.01036	-0.00214	0.009094
	STRING	19	1264942	15171	1292	0.52595	0.04007	0.00078	0.001251
CGP-DSSPD-NR5-EXE2	NonSpecific	17	1264894	15173	1340	0.5166	0.0205	0.0002	0.001119
	ChIP-Seq	201	1252300	14989	13934	0.4954	0.01085	0.00231	0.013232
CCD DCCDD NDr EVE2	STRING	11	1264810	15303	1300	0.5259	0.03819	-0.00105	0.000718
CGP-DSSPD-NR5-EXE3	NonSpecific	16 161	1264769	15298	1341 13974	$0.51717 \\ 0.49517$	0.01899 0.01097	-5e-05 -0.00055	0.001045
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{161}{22}$	$1252136 \\ 1264888$	$15153 \\ 15225$	13974 1289	0.49517 0.52538	0.01097 0.03589	0.00055 0.00144	0.010513 0.001443
CGP-DSSPD-NR5-EXE4	NonSpecific	$\frac{22}{17}$	1264837	15230	1340	0.52536 0.51701	0.03333 0.01748	0.00144 0.00019	0.001445 0.001115
	ChIP-Seq	166	1252208	15081	13969	0.49509	0.01107	-0.00015	0.010887
	STRING	20	1264966	15147	1291	0.52553	0.03421	0.00101	0.001319
CGP-DSSPD-NR5-EXE5	NonSpecific	16	1264916	15151	1341	0.51721	0.01649	-1e-05	0.001055
	ChIP-Seq	155	1252277	15012	13980	0.49486	0.01112	-0.00085	0.01022
GGD DGGDD ND40 DVD4	STRING	3	1277432	2681	1308	0.52575	0.03303	0.00014	0.001118
CGP-DSSPD-NR10-EXE1	NonSpecific	4	1277387	2680	1353	0.51739	0.01565	0.00061	0.00149
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{28}{2}$	$\frac{1264538}{1277492}$	$2751 \\ 2621$	$14107 \\ 1309$	$0.49466 \\ 0.52567$	0.01112 0.03199	-0.00043 -0.00037	0.010076 0.000762
CGP-DSSPD-NR10-EXE2	NonSpecific	$\frac{2}{3}$	1277492 1277447	2621 2620	1354	0.52567 0.51725	0.03199 0.0149	0.00037	0.000762 0.001144
CGI -DSSI D-MITIO-EXEZ	ChIP-Seq	36	1264636	2653	14099	0.49492	0.0149 0.01117	0.00012 0.00103	0.001144 0.013388
	STRING	$\frac{3}{2}$	1277418	2695	1309	0.52547	0.03078	-0.0004	0.000742
CGP-DSSPD-NR10-EXE3	NonSpecific	2	1277372	2695	1355	0.51663	0.01397	-0.00045	0.000742
	ChIP-Seq	50	1264559	2730	14085	0.49562	0.0113	0.00311	0.017986
	STRING	2	1277447	2666	1309	0.52544	0.03009	-0.00039	0.00075
CGP-DSSPD-NR10-EXE4	NonSpecific	5	1277404	2663	1352	0.51683	0.0136	0.00114	0.001874
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	23	$\frac{1264507}{1277400}$	$2782 \\ 2713$	14112 1311	$0.49542 \\ 0.52497$	0.01128	-0.00127 -0.00147	$0.0082 \\ 0.0$
CGP-DSSPD-NR10-EXE5	NonSpecific	0 1	1277400 1277355	$\frac{2713}{2712}$	1311 1356	0.52497 0.51666	0.01315	-0.00147	0.000369
CGI -DSSI D-NITIO-EXES	ChIP-Seq	26	1264554	$\frac{2712}{2735}$	14109	0.49528	0.01313 0.01127	-0.00038	0.000303 0.009417
	STRING	6	1274735	5378	1305	0.52485	0.02827	0.00019	0.001114
CGP-KM-BKM-NR10-EXE1	NonSpecific	6	1274689	5378	1351	0.51608	0.0126	0.00011	0.001114
	ChIP- Seq	87	1257917	9372	14048	0.49481	0.01125	-0.00151	0.009198
	STRING	1	1278652	1461	1310	0.5247	0.02801	-0.00036	0.000684
CGP-KM-BKM-NR10-EXE2	NonSpecific	0	1278605	1462	1357	0.51587	0	-0.0011	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{145}{6}$	$\frac{1253165}{1277687}$	14124 2426	$13990 \\ 1305$	$0.49458 \\ 0.52508$	$0.01128 \\ 0.0272$	-0.00088 0.00197	$\begin{array}{c} 0.010162 \\ 0.002467 \end{array}$
CGP-KM-BKM-NR10-EXE3	NonSpecific	$\frac{6}{4}$	1277637 1277639	2420 2428	1353	0.52508 0.51628	0.0272 0.01202	0.00197 0.00078	0.002407 0.001645
	ChIP-Seq	30	1258818	8471	14105	0.49276	0.01109	-0.00587	0.003529
	STRING	3	1278064	2049	1308	0.52529	0.02713	0.00055	0.001462
CGP- KM - BKM - $NR10$ - $EXE4$	NonSpecific	4	1278019	2048	1353	0.51706	0.01211	0.0011	0.001949
	ChIP-Seq	54	1256667	10622	14081	0.49088	0.01093	-0.00524	0.005058
	STRING	4	1278326	1787	1307	0.52541	0.02691	0.00142	0.002233
CGP-KM-BKM-NR10-EXE5	NonSpecific	1	1278277	1790	1356	0.51719	0.01205	-0.00058	0.000558
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{151}{3}$	$\frac{1255192}{1277384}$	$12097 \\ 2729$	13984 1308	$0.49193 \\ 0.52522$	$0.01109 \\ 0.02633$	$0.00122 \\ 0.00011$	0.012329 0.001098
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	3 6	1277364 1277341	$\frac{2729}{2726}$	1350	0.52522 0.51673	0.02033 0.01172	0.00011 0.00162	0.001098 0.002196
CGI -KWI-DSSI D-IVI(IO-DXLI	ChIP-Seq	31	1264373	2916	14104	0.49194	0.01172 0.0111	-0.00102	0.002130 0.010519
	STRING	2	1277343	2770	1309	0.52541	0.02593	-0.00044	0.000722
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	$\overline{1}$	1277296	2771	1356	0.51626	0.01142	-0.001	0.000361
	ChIP-Seq	28	1264240	3049	14107	0.49191	0.01111	-0.00091	0.0091
	STRING	2	1277334	2779	1309	0.52526	0.02545	-0.00044	0.000719
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	1	1277287	2780	1356	0.51612	0.01122	-0.001	0.00036
	ChIP-Seq	$\frac{31}{4}$	1264202	3087	14104	0.49176	0.0111	-0.00052	0.009942
CGP-KM-DSSPD-NR10-EXE4	STRING NonSpecific	$\frac{4}{2}$	$1277470 \\ 1277422$	$2643 \\ 2645$	$1307 \\ 1355$	$0.52548 \\ 0.51562$	0.02517 0.01096	0.00069 -0.00042	0.001511 0.000756
OGI -RMI-DBBFD-NRIU-EAE4	NonSpecific ChIP-Seq	$\frac{2}{40}$	1277422	2885	1355 14095	0.51562 0.49201	0.01096 0.01114	0.00042 0.00121	0.000756 0.013675
	STRING	4	1204404 1277392	2721	1307	0.49201 0.52577	0.01114 0.02499	0.00121 0.00064	0.013073
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	3	1277345	2722	1354	0.51514	0.01073	6e-05	0.001101
	ChIP-Seq	24	1264237	3052	14111	0.49164	0.01111	-0.00152	0.007802

Tabela 49: Tabular results for mHSC-L problem considering the 1000TF configuration without self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	16	478572	138	138	0.54922	0.16806	0.10361	0.103896
PIDC	NonSpecific	11	478240	307	306	0.51637	0.07023	0.03401	0.034591
	ChIP-Seq	50	468554	5130	5130	0.49942	0.01196	-0.00118	0.009653
CENTES	STRING	9	478565	145	145	0.5486	0.14648	0.05814	0.058442
GENIE3	NonSpecific	7	478237	310	310	0.51763	0.06302	0.02143	0.022082
	ChIP-Seq STRING	50 7	$468554 \\ 478563$	$5130 \\ 147$	$5130 \\ 147$	0.49874 0.54848	$0.01168 \\ 0.14725$	-0.00118 0.04515	0.009653 0.045455
GRNBOOST2	NonSpecific	$\frac{7}{6}$	478236	311	311	0.54646 0.51752	0.14725 0.05812	0.04515 0.01828	0.045455 0.018927
GIUVBOOS12	ChIP-Seq	60	468564	511	511	0.49918	0.03612 0.01211	0.01028 0.00077	0.013527 0.011583
	STRING	0	478578	132	154	0.54802	0.01211	-0.0003	0.011505
SINCERITIES	NonSpecific	0	478265	282	317	0.51716	0	-0.00063	0.0
	ChIP-Seq	24	468868	4816	5156	0.49624	0.01106	-0.00572	0.004633
	STRING	0	478556	154	154	0.54658	0	-0.00032	0.0
PPCOR	NonSpecific	0	478229	318	317	0.516	0	-0.00066	0.0
	ChIP-Seq	51	469189	4495	5129	0.49564	0.01128	0.00038	0.011219
	STRING	1	470285	8425	153	0.54652	0.11146	-0.00152	0.000119
CGP-DSSPD-NR5-EXE1	NonSpecific	7	470128	8419	310	0.51559	0.03139	0.00088	0.000831
	ChIP-Seq	101	465359	8325	5079	0.49606	0.01165	0.00151	0.011987
CGP-DSSPD-NR5-EXE2	STRING NonSpecific	$\frac{1}{6}$	$470288 \\ 470130$	$8422 \\ 8417$	$\frac{153}{311}$	$0.54639 \\ 0.51521$	0.10986 0.02931	-0.00151 0.00026	0.000119 0.000712
CGF-DSSFD-NR9-EAE2	NonSpecific ChIP-Seq	102	465363	8321	5078	0.31521 0.49653	0.02931 0.0119	0.00020 0.00167	0.000712 0.01211
	STRING	4	470390	8320	150	0.54625	0.10831	0.00107	0.000481
CGP-DSSPD-NR5-EXE3	NonSpecific	5	470228	8319	312	0.51483	0.02761	-0.00032	0.000601
	ChIP-Seq	106	465466	8218	5074	0.49748	0.01217	0.00247	0.012734
	STRING	4	470221	8489	150	0.54619	0.10757	0.00112	0.000471
CGP-DSSPD-NR5-EXE4	NonSpecific	6	470060	8487	311	0.51453	0.02645	0.00023	0.000706
	ChIP-Seq	112	465303	8381	5068	0.49792	0.01228	0.00308	0.013187
	STRING	3	470187	8523	151	0.54599	0.10541	0.00023	0.000352
CGP-DSSPD-NR5-EXE5	NonSpecific	4	470025	8522	313	0.51407	0.02494	-0.00101	0.000469
	ChIP-Seq	61	465219	8465	5119	0.49585	0.01202	-0.00477	0.007155
CCD DCCDD ND10 EVE1	STRING	0	477068	1642	154	0.54593	0	-0.00105	0.0
CGP-DSSPD-NR10-EXE1	NonSpecific	0	476905	1642	$317 \\ 5161$	0.51382	0	-0.00151	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	19 1	$471988 \\ 476987$	$1696 \\ 1723$	153	$0.49598 \\ 0.5458$	$0.01207 \\ 0.10337$	$0.00015 \\ 0.00087$	$0.011079 \\ 0.00058$
CGP-DSSPD-NR10-EXE2	NonSpecific	3	476826	1723 1721	314	0.54351	0.10337 0.02344	0.00037 0.00252	0.00038 0.00174
OGI -DSSI D-IVICIO-EXEZ	ChIP-Seq	49	471950	1734	$514 \\ 5131$		0.02544 0.01251	0.00232 0.00985	0.027482
	STRING	1	477045	1665	153	0.54574	0.10371	0.00092	0.0006
CGP-DSSPD-NR10-EXE3	NonSpecific	3	476884	1663	314	0.51327	0.02301	0.00262	0.001801
	ChIP- Seq	25	471954	1730	5155	0.49911	0.01254	0.00201	0.014245
	STRING	2	477068	1642	152	0.54561	0.10244	0.00293	0.001217
CGP-DSSPD-NR10-EXE4	NonSpecific	2	476905	1642	315	0.51303	0.02251	0.00127	0.001217
	ChIP-Seq	23	471988	1696	5157	0.49973	0.01263	0.00149	0.01338
CCD DCCDD ND10 EVE	STRING	0	477077	1633	154	0.54554	0	-0.00105	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	0	$476914 \\ 471950$	$1633 \\ 1734$	$\begin{array}{c} 317 \\ 5162 \end{array}$	0.51275	0	-0.00151	$0.0 \\ 0.010274$
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{18}{0}$	471950 477542	$\frac{1734}{1168}$	$\frac{5162}{154}$	$0.49974 \\ 0.54541$	$0.01262 \\ 0$	-0.00032 -0.00089	0.010274 0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	477379	1168	317	0.54541 0.51243	0	-0.0003	0.0
	ChIP-Seq	42	468263	5421	5138	0.49819	0.01244	-0.00325	0.007688
	STRING	0	478180	530	154	0.54535	0	-0.0006	0.0
CGP-KM-BKM-NR10-EXE2	NonSpecific	1	478018	529	316	0.51232	0.02121	0.00159	0.001887
	ChIP- Seq	55	465118	8566	5125	0.49645	0.01227	-0.00581	0.00638
	STRING	0	475914	2796	154	0.54535	0	-0.00137	0.0
CGP-KM-BKM-NR10-EXE3	NonSpecific	2	475753	2794	315	0.51225	0.02111	0.00016	0.000715
	ChIP-Seq	35	470812	2872	5145	0.49682	0.01233	0.00092	0.01204
CCD KM DKM ND10 EVE4	STRING	0	478044	666	154	0.54528	0	-0.00067	0.0
CGP-KM-BKM-NR10-EXE4	NonSpecific ChIP-Seq	0 88	$477881 \\ 468976$	$666 \\ 4708$	$\frac{317}{5092}$	$0.51215 \\ 0.49912$	$0 \\ 0.01257$	-0.00096 0.00732	$0.0 \\ 0.018349$
	STRING	0	478204	506	154	0.49912 0.54528	0.01257	-0.00058	0.016549
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	478041	506	317	0.54525 0.51211	0	-0.00084	0.0
	ChIP-Seq	38	468008	5676	5142	0.49752	0.01243	-0.00443	0.00665
	STRING	0	477030	1680	154	0.54522	0	-0.00106	0.0
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	2	476869	1678	315	0.51191	0.0206	0.00122	0.00119
	ChIP-Seq	11	471872	1812	5169	0.49667	0.01234	-0.00286	0.006034
	STRING	1	477075	1635	153	0.54515	0.09833	0.00095	0.000611
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	1	476912	1635	316	0.51159	0.02015	-0.00012	0.000611
	ChIP-Seq	27	471894	1790	5153	0.49756	0.01243	0.00241	0.01486
COD IAI DOODD IID C	STRING	0	477091	1619	154	0.54515	0	-0.00104	0.0
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	476928	1619	317	0.51133	0	-0.0015	0.0
	ChIP-Seq STRING	10	471916 477107	1768	5170	0.49653	0.01233 0.09778	-0.00307	0.005624
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	1 1	$477107 \\ 476944$	$1603 \\ 1603$	$\frac{153}{316}$	$0.54509 \\ 0.51104$	0.09778 0.01948	0.00098 -9e-05	0.000623 0.000623
OGI -IXM-DOOF D-MRIU-EAE4	ChIP-Seq	$\frac{1}{30}$	470944	1748	5150	0.51104 0.49757	0.01948 0.01242	-9e-05 0.00357	0.000623 0.016873
	STRING	3	477077	1633	151	0.49737 0.54482	0.01242 0.09569	0.00397 0.00494	0.010873 0.001834
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	$\frac{3}{4}$	476915	1632	313	0.54482 0.51232	0.03003 0.02001	0.00494 0.00406	0.001634 0.002445
	ChIP-Seq	34	471853	1831	5146	0.49881	0.02551 0.01254	0.00448	0.018231
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${\bf 4.2}\quad {\bf Considering\ Self-Loop}$

Tabela 50: Tabular results for hESC problem considering the 1000TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	97	1977918	5033	5052	0.50762	0.03152	0.01633	0.018835
PIDC	NonSpecific	40	1978945	4558	4557	0.50339	0.00954	0.0064	0.008662
	ChIP-Seq	23	1974021	7029	7027	0.5002	0.00475	-0.00029	0.003247
	STRING	51	1977862	5089	5098	0.50996	0.03071	0.00734	0.009905
GENIE3	NonSpecific	19	1978911	4592	4578	0.5039	0.00735	0.00181	0.004113
	ChIP-Seq	60	1974039	7011	6990	0.50239	0.0065	0.00496	0.008465
	STRING	75	1977893	5058	5074	0.51153	0.03068	0.01203	0.014566
GRNBOOST2	NonSpecific	23	1978924	4579	4574	0.50372	0.0065	0.00269	0.004982
	ChIP-Seq	47	1974045	7005	7003	0.50283	0.00647	0.00313	0.006635
	STRING	21	1978009	4942	5128	0.51236	0.02607	0.00162	0.004078
SINCERITIES	NonSpecific	37	1979093	4410	4560	0.50651	0.00685	0.00592	0.008014
	ChIP-Seq	56	1974268	6782	6994	0.50493	0.00666	0.00459	0.007905
DDGOD	STRING	0	1981554	1397	5149	0.51166	0	-0.00135	0.0
PPCOR	NonSpecific	0	1982106	1397	4597	0.50608	0	-0.00128	0.0
	ChIP-Seq	0	1979653	1397	7050	0.50453	0	-0.00158	0.0
CCD DCCDD ND EVE1	STRING	64	1957151	25800	5085	0.51186	0.02102	-0.00026	0.002433
CGP-DSSPD-NR5-EXE1	NonSpecific	69	1957707	25796	4529	0.50625	0.00572	0.00085	0.002623
	ChIP-Seq STRING	107	$\frac{1955292}{1957151}$	25758	6944	0.50486	0.00598	0.00114	0.004067
CCD DCCDD ND# EVE9		64	1957151 1957707	$25800 \\ 25796$	5085	0.51186	0.02102	-0.00026	0.002433 0.002623
CGP-DSSPD-NR5-EXE2	NonSpecific ChIP-Seq	$\frac{69}{107}$	1957707 1955292		4529	0.50625	0.00572 0.00598	$0.00085 \\ 0.00114$	0.002023 0.004067
	STRING	67	1956292 1956973	$25758 \\ 25978$	$6944 \\ 5082$	$0.50486 \\ 0.51161$	0.00598 0.01929	-4e-05	0.004067 0.002526
CGP-DSSPD-NR5-EXE3	NonSpecific	62	1950973 1957520	25978 25983	4535	0.51101 0.50584	0.01929 0.00522	0.00016	0.002320 0.002337
CGF-DSSFD-NR9-EAE3	ChIP-Seq	$\frac{62}{77}$	1957520 1955081	25969	6974	0.50384 0.5048	0.00522 0.00569	-0.00114	0.002337 0.002903
	STRING	67	1957031	25909 25920	5082	0.5048 0.51172	0.00309 0.01834	-3e-05	0.002903 0.002528
CGP-DSSPD-NR5-EXE4	NonSpecific	78	1957031 1957594	25920 25909	4519	0.51172 0.50667	0.01854 0.0052	0.00165	0.002528 0.002944
CGF-DSSFD-NRS-EXE4	ChIP-Seq	89	1957594 1955152	25898	6961	0.50463	0.0052 0.00546	-0.00103	0.002944 0.003359
	STRING	52	1956652	26299	5097	0.50403 0.51123	0.00340 0.01734	-0.00023	0.003335 0.001935
CGP-DSSPD-NR5-EXE5	NonSpecific	65	1957217	26286	4532	0.51123 0.50644	0.01794 0.00495	0.00037	0.001339 0.002419
CGI ESSI E MIO EMEO	ChIP-Seq	102	1954801	26249	6948	0.5044	0.00433	0.00063	0.002415 0.003796
	STRING	64	1957151	25800	5085	0.50492 0.51123	0.00332 0.01734	-0.00026	0.002433
CGP-DSSPD-NR10-EXE1	NonSpecific	69	1957707	25796	4529	0.50644	0.00495	0.00085	0.002493
	ChIP-Seq	107	1955292	25758	6944	0.50452	0.00532	0.00114	0.004067
	STRING	64	1957151	25800	5085	0.51123	0.01734	-0.00026	0.002433
CGP-DSSPD-NR10-EXE2	NonSpecific	69	1957707	25796	4529	0.50644	0.00495	0.00085	0.002623
	ChIP-Seq	107	1955292	25758	6944	0.50452	0.00532	0.00114	0.004067
	STRING	67	1956973	25978	5082	0.51123	0.01734	-4e-05	0.002526
CGP-DSSPD-NR10-EXE3	NonSpecific	62	1957520	25983	4535	0.50644	0.00495	0.00016	0.002337
	ChIP-Seq	77	1955081	25969	6974	0.50452	0.00532	-0.00114	0.002903
	STRING	67	1957031	25920	5082	0.51123	0.01734	-3e-05	0.002528
CGP-DSSPD-NR10-EXE4	NonSpecific	78	1957594	25909	4519	0.50644	0.00495	0.00165	0.002944
	ChIP-Seq	89	1955152	25898	6961	0.50452	0.00532	-0.00023	0.003359
	STRING	52	1956652	26299	5097	0.51123	0.01734	-0.00141	0.001935
CGP-DSSPD-NR10-EXE5	NonSpecific	65	1957217	26286	4532	0.50644	0.00495	0.00037	0.002419
	ChIP-Seq	102	1954801	26249	6948	0.50452	0.00532	0.00063	0.003796
	STRING	134	1953296	29655	5015	0.51234	0.01726	0.00463	0.004424
CGP-KM-BKM-NR10-EXE1	NonSpecific	63	1953776	29727	4535	0.50634	0.00477	-0.00051	0.00208
	ChIP-Seq	89	1951350	29700	6961	0.50407	0.00514	-0.00116	0.002938
	STRING	128	1953596	29355	5021	0.51269	0.01737	0.00423	0.00427
CGP-KM-BKM-NR10-EXE2	NonSpecific	59	1954078	29425	4539	0.50634	0.00475	-0.0008	0.001968
	ChIP-Seq	76	1951643	29407	6974	0.50411	0.00515	-0.002	0.002536
	STRING	111	1954531	28420	5038	0.51325	0.01722	0.00309	0.003832
CGP-KM-BKM-NR10-EXE3	NonSpecific	63	1955035	28468	4534	0.50628	0.00465	-0.00026	0.002175
	ChIP-Seq	88	1952607	28443	6962	0.50384	0.00504	-0.00094	0.003038
	STRING	116	1953782	29169	5033	0.5129	0.01675	0.0033	0.003907
CGP-KM-BKM-NR10-EXE4	NonSpecific	53	1954271	29232	4544	0.50638	0.00459	-0.00128	0.001785
	ChIP-Seq	85	1951850	29200	6965	0.50339	0.00494	-0.00132	0.002863
CCD IN CRUMENDAD EVEN	STRING	96	1954762	28189	5053	0.51305	0.01652	0.0019	0.003338
CGP-KM-BKM-NR10-EXE5	NonSpecific	74	1955292	28211	4523	0.50654	0.00455	0.00076	0.002573
	ChIP-Seq	69	1952834	28216	6981	0.5032	0.00489	-0.00224	0.002399
CCD VM DCCDD ND10 EVE1	STRING	81	1958060	24891	5068	0.51455	0.01663	0.00145	0.003181
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	65	1958594	24909	4534	0.50691	0.00453	0.00068	0.002553
	ChIP-Seq	83	1956161	24889	6967	0.50307	0.00484	-0.00042	0.00326
CCD KM DCCDD ND10 EVES	STRING NonSpecific	69 60	1959431	23520	5080 4527	0.51466	0.01665	0.00072	0.002873
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	60 55	1959974	23529	4537 6005	0.50684	0.00451	0.00053	0.002498
	ChIP-Seq STRING	55 00	$1957516 \\ 1958331$	23534	6995 5050	0.50302	0.00484	-0.00224	0.00229
CGP-KM-DSSPD-NR10-EXE3		90 50	1958331 1958852	24620	5059 4538	0.51629	0.01685	0.00232	0.003574 0.002343
OGI -IXIM-DSSLD-NUTIO-EVE?	NonSpecific ChIP-Seq	$\frac{59}{77}$	1958852 1956417	24651 24633	$4538 \\ 6973$	$0.50697 \\ 0.50187$	0.00447 0.00469	0.00018 -0.00081	0.002343 0.003057
	STRING	80	1950417 1959183	24033 23768	5069	0.50187 0.51739	0.00469 0.01677	0.00166	0.003057 0.003286
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	68	1959183 1959723	23780	4529	0.51739 0.50704	0.01677 0.00442	0.00166 0.00124	0.003286 0.002793
OGI -IXIVI-DODI D-INTIU-EAE4	ChIP-Seq	82	1959723 1957284	23760 23766	6968	0.50704 0.50164	0.00442 0.00466	-0.00124	0.002793 0.003369
	•				5065	0.50164 0.51786	0.00466 0.01654	0.0002 0.00185	0.003374
	STRING	Z-I	Maxan /						
CGP-KM-DSSPD-NR10-EXE5	STRING NonSpecific	$\frac{84}{64}$	$1958562 \\ 1959094$	24389 24409	4533	0.51780 0.5068	0.01034 0.00435	0.00135 0.0007	0.003574 0.002571

Tabela 51: Tabular results for hHep problem considering the 1000TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	214	2079032	8672	8786	0.50889	0.0279	0.01975	0.023767
PIDC	NonSpecific	50	2086137	5232	5285	0.50337	0.00811	0.0069	0.009342
	ChIP-Seq	184	2066094	15200	15226	0.5025	0.01184	0.00464	0.011827
GENIE3	STRING NonSpecific	$\begin{array}{c} 115 \\ 28 \end{array}$	$2078825 \\ 2086045$	$8879 \\ 5324$	$8885 \\ 5307$	$0.50935 \\ 0.50366$	0.02291 0.00648	0.00853 0.0027	0.012774 0.005231
GENIES	ChIP-Seq	79	2065848	15446	15331	0.50300 0.50086	0.00048 0.0094	-0.0027	0.005231 0.005077
	STRING	116	2078877	8827	8884	0.51008	0.0034 0.02194	0.00869	0.012885
GRNBOOST2	NonSpecific	28	2086064	5305	5307	0.50358	0.00594	0.00271	0.005233
	ChIP-Seq	98	2065973	15321	15312	0.50076	0.00917	-0.001	0.006299
	STRING	33	2078833	8871	8967	0.50967	0.01873	-0.00059	0.003665
SINCERITIES	NonSpecific	10	2086084	5285	5325	0.50331	0.00511	-0.00065	0.001869
	ChIP-Seq	171	2066106	15188	15241	0.50273	0.00984	0.0038	0.01099
PROCE	STRING	0	2086271	1433	9000	0.50912	0	-0.00172	0.0
PPCOR	NonSpecific	0	2089936	1433	5335	0.50291	0	-0.00132	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$0\\127$	$2079861 \\ 2060989$	$1433 \\ 26715$	$15410 \\ 8873$	$0.50236 \\ 0.50938$	$0 \\ 0.01688$	-0.00225 0.00076	$0.0 \\ 0.004639$
CGP-DSSPD-NR5-EXE1	NonSpecific	69	2064596	26713	5266	0.50938 0.50372	0.01088 0.00482	6e-05	0.004039 0.00252
CGI-DSSI D-Mto-EALI	ChIP-Seq	$\frac{00}{220}$	2054671	26623	15191	0.50372	0.00402 0.00949	0.00113	0.00202
	STRING	127	2060989	26715	8873	0.50938	0.01688	0.00076	0.004639
CGP-DSSPD-NR5-EXE2	NonSpecific	69	2064596	26773	5266	0.50372	0.00482	6e-05	0.00252
	ChIP-Seq	220	2054671	26623	15191	0.5026	0.00949	0.00113	0.008036
	STRING	117	2060824	26880	8883	0.50908	0.01597	7e-05	0.004256
CGP-DSSPD-NR5-EXE3	NonSpecific	58	2064430	26939	5277	0.50347	0.00456	-0.0009	0.00211
	ChIP-Seq	190	2054484	26810	15223	0.50223	0.00924	-0.00042	0.006912
CCD DCCDD ND* EVE4	STRING	97	2061725	25979	8903	0.50851	0.01522	-0.00098	0.003646
CGP-DSSPD-NR5-EXE4	NonSpecific	$75 \\ 226$	$2065368 \\ 2055443$	26001	$5260 \\ 15185$	$0.50398 \\ 0.50283$	0.00455 0.00929	$0.00074 \\ 0.00173$	0.002819
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{220}{126}$	2053445 2060988	$25851 \\ 26716$	8874	0.50265 0.50868	0.00929 0.01491	0.00175 0.0007	0.008496 0.004601
CGP-DSSPD-NR5-EXE5	NonSpecific	77	2064604	26765	5258	0.50303	0.01491 0.00448	0.0007	0.004001 0.002812
CGI BEELD THE BILDS	ChIP-Seq	192	2054642	26652	15220	0.50298	0.00924	-0.00026	0.007011
	STRING	127	2060989	26715	8873	0.50868	0.01491	0.00076	0.004639
CGP-DSSPD-NR10-EXE1	NonSpecific	69	2064596	26773	5266	0.50416	0.00448	6e-05	0.00252
	ChIP- Seq	220	2054671	26623	15191	0.50298	0.00924	0.00113	0.008036
	STRING	127	2060989	26715	8873	0.50868	0.01491	0.00076	0.004639
CGP-DSSPD-NR10-EXE2	NonSpecific	69	2064596	26773	5266	0.50416	0.00448	6e-05	0.00252
	ChIP-Seq	220		26623	15191	0.50298	0.00924	0.00113	0.008036
CGP-DSSPD-NR10-EXE3	STRING NonSpecific	$\frac{117}{58}$	$2060824 \\ 2064430$	$26880 \\ 26939$	$8883 \\ 5277$	$0.50868 \\ 0.50416$	$0.01491 \\ 0.00448$	7e-05 -0.0009	0.004256 0.00211
CGI -DSSI D-NITIO-EXES	ChIP-Seq	190	2054484	26810	15223	0.50410 0.50298	0.00448 0.00924	-0.0003	0.00211 0.006912
	STRING	97	2061725	25979	8903	0.50258	0.00324 0.01491	-0.00098	0.003646
CGP-DSSPD-NR10-EXE4	NonSpecific	75	2065368	26001	5260	0.50416	0.00448	0.00074	0.002819
	ChIP- Seq	226	2055443	25851	15185	0.50298	0.00924	0.00173	0.008496
	STRING	126	2060988	26716	8874	0.50868	0.01491	0.0007	0.004601
CGP-DSSPD-NR10-EXE5	NonSpecific	77	2064604	26765	5258	0.50416	0.00448	0.00073	0.002812
	ChIP-Seq	192	2054642	26652	15220	0.50298	0.00924	-0.00026	0.007011
CCD VM DVM ND10 EVE1	STRING	286	2057114	30590	8714	0.5136	0.01605	0.00929	0.009062
CGP-KM-BKM-NR10-EXE1	NonSpecific ChIP-Seq	$\begin{array}{c} 217 \\ 277 \end{array}$	$2060710 \\ 2050694$	$30659 \\ 30600$	$5118 \\ 15134$	$0.50775 \\ 0.50625$	0.00506 0.00969	$0.01088 \\ 0.00232$	0.006876 0.008777
	STRING	$\frac{211}{269}$	2050094 2057944	29760	8731	0.50025 0.51437	0.00909	0.00252 0.0086	0.008777
CGP-KM-BKM-NR10-EXE2	NonSpecific	$\frac{200}{199}$	2061539	29830	5136	0.51407 0.51005	0.015	0.00977	0.006478
	ChIP-Seq	283	2051547	29747	15128	0.50902	0.01006	0.00293	0.009213
	STRING	299	2058099	29605	8701	0.51775	0.01656	0.0105	0.0098
CGP-KM-BKM-NR10-EXE3	NonSpecific	238	2061703	29666	5097	0.51142	0.00555	0.01293	0.007801
	ChIP-Seq	358	2051747	29547	15053	0.51146	0.01031	0.00651	0.011734
CCD LIM DIM I ND 40 EVE 4	STRING	270	2058520	29184	8730	0.52031	0.0169	0.0089	0.008993
CGP-KM-BKM-NR10-EXE4	NonSpecific	201	2062116	29253	5134	0.51251	0.00562	0.01014	0.006695
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{270}{276}$	$2052110 \\ 2058106$	29184 29598	$15140 \\ 8724$	$0.51255 \\ 0.52204$	$0.01033 \\ 0.01701$	$0.00254 \\ 0.0091$	0.008993 0.009067
CGP-KM-BKM-NR10-EXE5	NonSpecific	$\frac{270}{192}$	2061687	29682	5143	0.52204 0.51281	0.01701 0.00557	0.0091 0.00927	0.009007 0.006307
CGI -KWI-DKWI-IVICIO-DALO	ChIP-Seq	301	2051718	29576	15112	0.51201 0.51391	0.00337 0.01039	0.00327 0.00383	0.009888
	STRING	177	2061536	26168	8823	0.52174	0.01664	0.00419	0.006601
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	109	2065133	26236	5226	0.51224	0.00536	0.00357	0.004065
	ChIP-Seq	204	2055152	26142	15207	0.51284	0.01014	0.00052	0.007607
	STRING	189	2062278	25426	8811	0.52182	0.01665	0.00525	0.007242
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	101	2065855	25514	5234	0.51252	0.00539	0.00309	0.00387
	ChIP-Seq	203	2055881	25413	15208	0.51296	0.01016	0.00075	0.007778
CCD KM DCCDD ND10 EVE	STRING NanSpacific	184	2061652	26052	8816	0.52144	0.01635	0.00468	0.006893
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	$97 \\ 153$	$2065230 \\ 2055210$	26139 26084	$5238 \\ 15258$	$0.51173 \\ 0.51176$	0.00518	0.00258 -0.002	0.003634 0.005732
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$153 \\ 153$	2055210 2062116	25084 25588	15258 8847	0.51176 0.52096	0.00993 0.01605	0.002	0.005732 0.005839
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	$\frac{155}{79}$	2062110 2065707	25662	5256	0.52090 0.51122	0.01603 0.00504	0.00282 0.00116	0.003039 0.003015
	ChIP-Seq	126	2055679	25615	15284	0.51122 0.50971	0.00965	-0.0032	0.004809
	STRING	186	2061922	25782	8814	0.52071	0.01582	0.00492	0.007019
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	98	2065499	25870	5237	0.51092	0.00494	0.00273	0.003698
	ChIP-Seq	134	2055460	25834	15276	0.50806	0.00945	-0.00287	0.005056

Tabela 52: Tabular results for mDC problem considering the 1000TF configuration with self-loop.

Page	Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
CHIP-SO CHEPSO CHE										
CEMPLESSTRING (NE)51 (NE)717224 (NE)320 (NE)	PIDC	-								
CHAINS CHAINS 2 TATALE 2 100 0.00 0.00										
CHP-No	CENTES									
NA PASSEP NA PASSEP NATION 1 mm	GENIE3	_								
CRINDOST2 Non-peril 10 (Filerse of 1 1928) 15 (7308) 1300 (1928) 1000 (1928) 0.0000 (1928) <th< td=""><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		_								
Nombreni Programment Programme	CRNROOST2									
STENCE NonSpecifie 1	GITIDOOS12	_								
Non-part		-								
No. Chilf-Seq 10 1787 137 137 137 138 139 0.0 0.0001 0.000	SINCERITIES									
PPOOR		_						0	-0.00067	
CRIP-NOS-		STRING	0	1737822	1321	5898	0.50681	0	-0.0016	0.0
CP-DSSPD-NR3-EXE1 Signal	PPCOR	_	0	1739802		3918		0	-0.00131	
GP-DSSPD-NR3-EXEM Nombedies 32 174000 2004 4.040 4.040 0.000775 0.000775 0.000775 0.000775 0.000775 0.000775 0.000745 0.000775 0.000745 0.000745 0.000745 0.000074 0		-	0							
CFP-DSSPD-NR5-EXE2 CFP-Seq 171678 2704 1716 2704 2										
CGP-DSSPD-NR1-EXE2	CGP-DSSPD-NR5-EXE1	-								
GP-DSSPD-NR5-EXE2 NnSpecision (ChIP-Seq Call P-Seq Call P										
CAP-DASSPD-NR15-EXE3 CAP-DASSPD-NR16-EXE3 CAP-	CCD DCCDD ND# EVE9									
CGP-DSSPD-NR1-EXEM	CGP-DSSPD-NR5-EAE2	•								
CHP-PSSPD-NR5-EXEAM CLIP-Seq 22										
CP-PSSPD-NR5-EXE4	CGP-DSSPD-NR5-EXE3									
CGP-DSSPD-NR5-EXEA KRING 120 1712299 1801 578 0.0571 0.0030 0.00024 0.00434 CGP-DSSPD-NR5-EXEA NonSpecifie 70 171287 284 3851 0.0037 0.00121 0.00074 0.00074 CGP-DSSPD-NR5-EXEA NonSpecifie 70 171297 2846 3859 0.0009 0.00037 0.00014 0.00210 CGP-DSSPD-NR10-EXEA NonSpecifie 72 171495 2868 3850 0.5069 0.00367 0.0004 0.00054 CGP-DSSPD-NR10-EXEA NonSpecifie 21 171409 2703 3860 0.5069 0.0097 -0.0004 0.0075 CGP-DSSPD-NR10-EXEA NonSpecifie 62 171409 2703 3860 0.5069 0.0057 -0.0004 0.00054 CGP-DSSPD-NR10-EXEA NonSpecifie 62 171609 2808 3810 0.5067 0.0143 0.00044 0.00273 CGP-DSSPD-NR10-EXEA NonSpecifie 72 171629 2869 1	COL BOST B THE EME	_								
CAIP-SSPD-NR5-EXEM										
CHP-Seq	CGP-DSSPD-NR5-EXE4									
CP-PSSPD-NR1-EXE5		_	20	1716834	27014	1173	0.49903	0.00211	0.00027	0.00074
CHP-Seq		STRING	77	1712297	26846	5821	0.50657	0.01637	-0.00112	0.00286
CGP-DSSPD-NR10-EXEI STRING 97 1712152 208.88 180 0.50657 0.01637 0.00040 0.00039 CGP-DSSPD-NR10-EXE2 (ChIP-Seq STRING 21 1716784 27064 1172 0.49994 0.00248 0.00044 0.000775 CGP-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq CHIP-Seq STRING 171 (17409) 171 (2712) 171 (2873) 2868 3868 3867 3868 3867 3868 3869 38	CGP-DSSPD-NR5-EXE5	_					0.5069			
CP-DSSPD-NR10-EXEI NonSpecific Cil-Pseq 52 1716784 2704 1716784 2704 171205 20808 5801 0.00043 0.00044 0.00735 CGP-DSSPD-NR10-EXE2 NonSpecific Cil-Pseq 21 1714090 20033 386 0.5069 0.00597 0.00040 0.00075 CGP-DSSPD-NR10-EXE2 NonSpecific Sil-Pseq 21 1714090 20030 386 0.5069 0.00597 0.00004 0.00077 CGP-DSSPD-NR10-EXE3 NonSpecific Sil-Pseq 20 1714220 26936 1810 0.50657 0.01637 0.00001 0.000277 CGP-DSSPD-NR10-EXE3 NonSpecific Sil-Pseq 20 1712229 26936 3810 0.50657 0.01637 0.00024 0.000278 CGP-DSSPD-NR10-EXE4 NonSpecific Sil-Pseq 21 1714259 26864 3859 0.50697 0.00248 0.00027 0.00024 CGP-DSSPD-NR10-EXE3 NonSpecific Sil-Pseq 21 1712299 26864 3859 0.50697 0.0013 0.00248 0.00248		_								
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CGP-DSSPD-NR10-EXE5 KTRING NonSpecific (File-Seq <td>CGP-DSSPD-NR10-EXE4</td> <td></td> <td></td> <td>1714156</td> <td>26967</td> <td></td> <td></td> <td>0.00597</td> <td></td> <td></td>	CGP-DSSPD-NR10-EXE4			1714156	26967			0.00597		
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CGP-KM-DSSPD-NR10-EXE1 ChiP-Seq (DiP-Seq) (DiP										
CGP-KM-DSSPD-NR10-EXE1 STRING 110 1714252 24891 5788 0.51089 0.01688 0.00212 0.0044 CGP-KM-DSSPD-NR10-EXE1 NonSpecific 83 1716205 24918 3835 0.50817 0.00561 0.00274 0.00332 CGP-KM-DSSPD-NR10-EXE2 ChIP-Seq 16 1718863 24985 1177 0.4986 0.00213 -0.0022 0.0064 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 83 1716167 24956 3835 0.50816 0.00561 0.00236 0.004513 CGP-KM-DSSPD-NR10-EXE2 NonSpecific 83 1716167 24956 3835 0.50816 0.00561 0.00236 0.004513 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 69 1713838 25305 5805 0.51186 0.01696 0.00059 0.002717 CGP-KM-DSSPD-NR10-EXE3 NonSpecific 69 1715794 25329 3849 0.5085 0.00557 0.00121 0.002717 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 68	CGP-KM-BKM-NR10-EXE5									
CGP-KM-DSSPD-NR10-EXE1 NonSpecific ChIP-Seq 83 1716205 24918 3835 0.50817 0.00561 0.00274 0.00332 CGP-KM-DSSPD-NR10-EXE2 113 1714217 24926 5785 0.51087 0.01687 0.00236 0.004513 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 16 1718825 25023 1177 0.49858 0.00561 0.00273 0.003315 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 16 1718825 25023 1177 0.49858 0.00213 -0.00271 0.00639 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 16 1718742 25329 3849 0.5085 0.00557 0.00121 0.002717 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 18 1718468 25380 1175 0.49821 0.00257 0.00121 0.00709 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 68 1715445 25678 3850 0.50904 0.00557 0.00102 0.002641 CGP-KM-DSSPD-NR10-EXE3 NonSpec								-		
CGP-KM-DSSPD-NR10-EXE3 NonSpecific 69 1718468 25380 1175 0.4986 0.00213 -0.00024 0.00064 0.00213 0.00064 0.00213 0.00064 0.004513 0.00214 0.00236 0.004513 0.00214 0.00214 0.00236 0.004513 0.00214 0.	CCD I'M DCCDD MD40 EVE1									
CGP-KM-DSSPD-NR10-EXE2 STRING 113 1714217 24926 5785 0.51087 0.01687 0.00236 0.004513 CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq 16 1718825 25023 1177 0.49858 0.00213 -0.00021 0.000639 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 69 1715794 25329 3849 0.5085 0.00557 0.00121 0.002717 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 18 1718468 25380 1175 0.49821 0.00207 0.00012 0.000709 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 68 1715445 25678 3850 0.50904 0.00557 0.00102 0.00264 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 10 1718112 25736 1183 0.49787 0.00201 -0.00138 0.00363 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 60 1715580 2543 3850 0.50909 0.00557 0.00138 0.00363 CGP-KM-DSSPD-NR10-EXE5	CGP-KM-DSSPD-NR10-EXE1									
CGP-KM-DSSPD-NR10-EXE2 NonSpecific ChIP-Seq (16) 1716167 24956 3835 0.50816 0.00561 0.00273 0.003315 CGP-KM-DSSPD-NR10-EXE3 ChIP-Seq (DIP-Seq (16)) 1718825 25023 1177 0.49858 0.00213 -0.00021 0.000639 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq (18) 1715794 25329 3849 0.5085 0.00557 0.00121 0.002717 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq (18) 1718468 25380 1175 0.49821 0.00207 0.00012 0.000709 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq (10) 68 1715445 25678 3850 0.50904 0.00557 0.00102 0.002641 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq (10) 1718112 25736 1183 0.49787 0.00201 -0.00138 0.000388 CGP-KM-DSSPD-NR10-EXE5 NonSpecific ChIP-Seq (10) 60 1715580 25543 3858 0.50909 0.00551 0.00053 0.002343										
CGP-KM-DSSPD-NR10-EXE4 ChIP-Seq CHIP-Seq CHIP-Seq STRING 16 Post String 1718825 Post String 25023 Post String 1117 Post String 0.00213 Post String 0.00021 Post String 0.000639 Post String 0.000639 Post String 0.00059 Post String 0.003662 Post String 0.00121 Post String 0.00271 Post Post String 0.00271 Po	CCD KM DSSDD NB10 EYE9									
CGP-KM-DSSPD-NR10-EXE3 STRING 93 1713838 25305 5805 0.51186 0.01696 0.00059 0.003662 CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 18 1718468 25329 3849 0.5085 0.00557 0.00121 0.002717 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 58 1713492 25651 5803 0.51197 0.01682 0.00065 0.00369 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 10 1718112 25736 1183 0.49787 0.00201 -0.00138 0.003632 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 60 1715580 25543 3858 0.50909 0.00551 0.00025 0.002343	OI -KW-DON D-MUIU-EAE2									
CGP-KM-DSSPD-NR10-EXE3 NonSpecific ChIP-Seq 69 1715794 25329 3849 0.5085 0.00557 0.00121 0.002717 ChIP-Seq 18 1718468 25380 1175 0.49821 0.00207 0.00012 0.000709 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 68 1715445 25678 3850 0.51197 0.01682 0.00065 0.00369 CGP-KM-DSSPD-NR10-EXE4 NonSpecific 68 1715445 25678 3850 0.50904 0.00557 0.00102 0.002641 CHIP-Seq 10 1718112 25736 1183 0.49787 0.00201 -0.00138 0.00388 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 60 1715580 25543 3858 0.50909 0.00551 0.00025 0.002343										
CGP-KM-DSSPD-NR10-EXE4 ChIP-Seq STRING 18 1718468 25380 1175 0.49821 0.00207 0.00012 0.000709 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq STRING 68 1715445 25678 3850 0.50904 0.00557 0.00102 0.002641 CGP-KM-DSSPD-NR10-EXE5 STRING 93 1713633 25510 5805 0.51242 0.01677 0.00053 0.003632 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 60 1715580 25543 3858 0.50909 0.00551 0.00025 0.002343	CGP-KM-DSSPD-NR10-EXE3									
CGP-KM-DSSPD-NR10-EXE4 STRING NonSpecific ChIP-Seq STRING 68 1713492 25651 5803 0.51197 0.01682 0.00065 0.00369 CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 10 1715445 25678 3850 0.50904 0.00557 0.00102 0.002641 CGP-KM-DSSPD-NR10-EXE5 STRING 93 1713633 25510 5805 0.51242 0.01677 0.00053 0.003632 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 60 1715580 25543 3858 0.50909 0.00551 0.00025 0.002343										
CGP-KM-DSSPD-NR10-EXE4 NonSpecific ChIP-Seq 68 1715445 25678 3850 0.50904 0.00557 0.00102 0.002641 ChIP-Seq 10 1718112 25736 1183 0.49787 0.00201 -0.00138 0.000388 STRING 93 1713633 25510 5805 0.51242 0.01677 0.00053 0.003632 CGP-KM-DSSPD-NR10-EXE5 NonSpecific 60 1715580 25543 3858 0.50909 0.00551 0.00025 0.002343										
Cdp-Seq 10 1718112 25736 1183 0.49787 0.00201 -0.00138 0.000388 Cdp-KM-DSSPD-NR10-EXE5 NonSpecific 60 1715580 25510 5805 0.51242 0.01677 0.00053 0.003632 Cdp-KM-DSSPD-NR10-EXE5 NonSpecific 60 1715580 25543 3858 0.50909 0.00551 0.00025 0.002343	CGP-KM-DSSPD-NR10-EXE4									
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			10		25736	1183		0.00201		
•										
ChIP-Seq 28 1718273 25575 1165 0.49751 0.00197 0.00191 0.001094	CGP-KM-DSSPD-NR10-EXE5	•								
		ChIP-Seq	28	1718273	25575	1165	0.49751	0.00197	0.00191	0.001094

Tabela 53: Tabular results for mESC problem considering the 1000TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	251	2607692	8229	8228	0.51305	0.05944	0.02645	0.029599
PIDC	NonSpecific	127	2608467	7903	7903	0.50671	0.02026	0.0128	0.015816
	ChIP-Seq	958	2539767	41838	41837	0.50297	0.02627	0.00618	0.022385
	STRING	148	2607588	8333	8331	0.51542	0.04868	0.01427	0.017451
GENIE3	NonSpecific	81	2608421	7949	7949	0.5075	0.01354	0.00705	0.010087
	ChIP-Seq	1158	2539968	41637	41637	0.50528	0.02613	0.01093	0.027059
0	STRING	145	2607587	8334	8334	0.51608	0.04401	0.01392	0.017101
GRNBOOST2	NonSpecific	92	2608432	7938	7938	0.50792	0.01224	0.00842	0.011457
	ChIP-Seq	1202	2540012	41593	41593	0.50648	0.02647	0.01198	0.028087
GIN GED ITTEG	STRING	52	2607633	8288	8427	0.51701	0.0349	0.00299	0.006131
SINCERITIES	NonSpecific	36	2608508	7862	7994	0.50832	0.01024	0.00149	0.004483
	ChIP-Seq	751	2540494	41111	42044	0.50712	0.02566	0.00164	0.017549
DDCOD.	STRING	0	2614301	1620	8479	0.51639	0	-0.00142	0.0
PPCOR	NonSpecific	0	2614750	1620	8030	0.50791	0	-0.00138	0.0
	ChIP-Seq STRING	0 91	$2579985 \\ 2586680$	$1620 \\ 29241$	$42795 \\ 8388$	$0.50676 \\ 0.5163$	$0 \\ 0.02943$	-0.0032 -0.00024	$0.0 \\ 0.003102$
CGP-DSSPD-NR5-EXE1	NonSpecific	93	2580080 2587131	29241 29239	0300 7937	0.5103 0.50733	0.02945 0.0086	0.00024 0.00021	0.003102 0.003171
CGF-DSSFD-NRS-EAET	ChIP-Seq	388	2557131 2552661	28944	42407	0.50755 0.50577	0.0086 0.02469	-0.0021	0.003171 0.013228
	STRING	91	2586680	28944 29241	8388	0.50577 0.5163	0.02469 0.02943	-0.00238 -0.00024	0.013228 0.003102
CGP-DSSPD-NR5-EXE2	NonSpecific	93	2580080 2587131	29241 29239	0300 7937	0.5103 0.50733	0.02945 0.0086	0.00024 0.00021	0.003102 0.003171
CGF-DSSFD-NRS-EAE2	ChIP-Seq	388	2552661	28944	42407	0.50753 0.50577	0.0086 0.02469	-0.0021	0.003171 0.013228
	STRING	91	2586307	29614	8388	0.50577 0.51621	0.02409 0.02739	-0.00238	0.013228 0.003063
CGP-DSSPD-NR5-EXE3	NonSpecific	83	2586748	29622	7947	0.50758	0.02133 0.0082	-0.00052	0.003003 0.002794
CGI DSSI D WIG EMES	ChIP-Seq	429	2552329	29276	42366	0.50524	0.02429	-0.00158	0.002134 0.014442
	STRING	104	2586529	29392	8375	0.51615	0.02594	0.00055	0.003526
CGP-DSSPD-NR5-EXE4	NonSpecific	94	2586968	29402	7936	0.508	0.02391 0.00797	0.00034	0.003187
001 2001 2 1110 21121	ChIP-Seq	468	2552577	29028	42327	0.50499	0.02407	-0.00037	0.015867
	STRING	99	2586439	29482	8380	0.51636	0.02498	0.00022	0.003347
CGP-DSSPD-NR5-EXE5	NonSpecific	84	2586873	29497	7946	0.50796	0.0077	-0.00042	0.00284
	ChIP-Seq	462	2552486	29119	42333	0.50477	0.02391	-0.00058	0.015618
	STRING	91	2586680	29241	8388	0.51636	0.02498	-0.00024	0.003102
CGP-DSSPD-NR10-EXE1	NonSpecific	93	2587131	29239	7937	0.50796	0.0077	0.00021	0.003171
	ChIP-Seq	388	2552661	28944	42407	0.50477	0.02391	-0.00258	0.013228
	STRING	91	2586680	29241	8388	0.51636	0.02498	-0.00024	0.003102
CGP-DSSPD-NR10-EXE2	NonSpecific	93	2587131	29239	7937	0.50796	0.0077	0.00021	0.003171
	ChIP-Seq	388	2552661	28944	42407	0.50477	0.02391	-0.00258	0.013228
	STRING	91	2586307	29614	8388	0.51636	0.02498	-0.00032	0.003063
CGP-DSSPD-NR10-EXE3	NonSpecific	83	2586748	29622	7947	0.50796	0.0077	-0.00052	0.002794
	ChIP-Seq	429	2552329	29276	42366	0.50477	0.02391	-0.00158	0.014442
	STRING	104	2586529	29392	8375	0.51636	0.02498	0.00055	0.003526
CGP-DSSPD-NR10-EXE4	NonSpecific	94	2586968	29402	7936	0.50796	0.0077	0.00024	0.003187
	ChIP-Seq	468	2552577	29028	42327	0.50477	0.02391	-0.00037	0.015867
CCD DCCDD ND40 DVD*	STRING	99	2586439	29482	8380	0.51636	0.02498	0.00022	0.003347
CGP-DSSPD-NR10-EXE5	NonSpecific	84	2586873	29497	7946	0.50796	0.0077	-0.00042	0.00284
	ChIP-Seq STRING	462	2552486	29119	42333	0.50477	0.02391	-0.00058	0.015618
CGP-KM-BKM-NR10-EXE1		$174 \\ 139$	$2575907 \\ 2576321$	40014 40049	$8305 \\ 7891$	0.51756	$0.02467 \\ 0.0077$	0.00242 0.0009	0.00433 0.003459
CGP-KM-DKM-NKIU-EAEI	NonSpecific ChIP-Seq	564	2570321 2541981	39624	42231	$0.50895 \\ 0.50389$	0.0077 0.02363	-0.00224	0.003439 0.014034
	STRING	194	2541931 2575772	40149	8285	0.50389 0.51787	0.02303 0.02477	0.00224 0.00347	0.014034 0.004809
CGP-KM-BKM-NR10-EXE2	NonSpecific	168	2576195	40145 40175	7862	0.51767 0.50912	0.02477 0.00772	0.00347 0.0025	0.004303 0.004164
OGI -KM-DKM-WUO-EXEZ	ChIP-Seq	696	2570135 2541958	39647	42099	0.50512 0.5058	0.00772 0.024	0.0025 0.00093	0.004104 0.017252
	STRING	120	2577032	38889	8359	0.51755	0.024	-0.00034	0.003076
CGP-KM-BKM-NR10-EXE3	NonSpecific	115	2577476	38894	7915	0.50912	0.02555 0.00756	-0.00025	0.002948
	ChIP-Seq	462	2543058	38547	42333	0.50434	0.02367	-0.00433	0.011843
	STRING	177	2575605	40316	8302	0.51735	0.02338	0.00251	0.004371
CGP- KM - BKM - $NR10$ - $EXE4$	NonSpecific	148	2576025	40345	7882	0.50916	0.00744	0.00135	0.003655
	ChIP-Seq	709	2541821	39784	42086	0.50518	0.02379	0.00119	0.017509
	STRING	216	2576601	39320	8263	0.51743	0.02301	0.00487	0.005463
CGP-KM-BKM-NR10-EXE5	NonSpecific	174	2577008	39362	7856	0.50983	0.00745	0.003	0.004401
	ChIP-Seq	541	2542610	38995	42254	0.50451	0.02368	-0.00256	0.013684
	STRING	83	2588501	27420	8396	0.51822	0.02277	-0.00039	0.003018
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	75	2588942	27428	7955	0.50948	0.00727	-0.00062	0.002727
	ChIP-Seq	477	2554579	27026	42318	0.50482	0.02372	0.00084	0.017344
	STRING	94	2588590	27331	8385	0.51801	0.02252	0.00036	0.003428
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	88	2589033	27337	7942	0.50944	0.00722	0.00028	0.003209
	ChIP-Seq	435	2554615	26990	42360	0.50432	0.02363	-0.00036	0.015861
GGD 111 - 505	STRING	84	2589016	26905	8395	0.51828	0.02221	-0.00021	0.003112
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	85	2589466	26904	7945	0.50934	0.00712	0.00017	0.003149
	ChIP-Seq	405	2555021	26584	42390	0.50391	0.02357	-0.00105	0.015006
COD IVA DOODD ND40 DVD	STRING	83	2588936	26985	8396	0.51837	0.02191	-0.0003	0.003066
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	83	2589385	26985	7947	0.50962	0.00708	1e-05	0.003066
	ChIP-Seq	346	2554883	26722	42449	0.50304	0.02347	-0.00284	0.012783
CGP-KM-DSSPD-NR10-EXE5	STRING NonSpecific	$\frac{95}{77}$	2589365 2580706	26556 26574	8384	0.51878	0.02174	0.0006	0.003565
OGI -MM-DBSCD-NWIU-EVE9	NonSpecific ChIP-Seq	$\frac{77}{370}$	$2589796 \\ 2555324$	$26574 \\ 26281$	$7953 \\ 42425$	0.50929 0.50271	$0.00698 \\ 0.02345$	-0.00031 -0.00194	0.002889 0.013883
	Omr-seq	910	2000024	20201	42420	0.00271	0.02040	-0.00194	0.019009

Tabela 54: Tabular results for mHSC-E problem considering the 1000TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	71	1446035	1755	1755	0.51745	0.05694	0.03767	0.038883
PIDC	NonSpecific	36	1445732	1924	1924	0.50819	0.02343	0.01704	0.018367
	ChIP-Seq STRING	$\frac{276}{51}$	$\frac{1405941}{1446014}$	$21700 \\ 1776$	$21699 \\ 1775$	0.4988 0.52204	0.01485 0.04801	-0.00264 0.0267	$\begin{array}{c} 0.012559 \\ 0.027915 \end{array}$
GENIE3	NonSpecific	46	1445741	1915	1914	0.52204 0.51387	0.04801 0.02133	0.0207 0.02214	0.027913 0.023457
GENER	ChIP-Seq	51	1405716	21925	21924	0.49448	0.02138	-0.01304	0.002321
	STRING	58	1446022	1768	1768	0.52393	0.04918	0.03054	0.031763
GRNBOOST2	NonSpecific	44	1445740	1916	1916	0.51412	0.0223	0.02113	0.022449
	ChIP-Seq	113	1405779	21862	21862	0.49327	0.01234	-0.01017	0.005142
	STRING	0	0	0	0	0	0	0	0
SINCERITIES	NonSpecific	0	0	0	0	0	0	0	0
	ChIP-Seq STRING	$0 \\ 0$	$0 \\ 1446586$	$0\\1204$	$0\\1826$	$0\\0.5228$	$0 \\ 0$	0 -0.00102	$0 \\ 0.0$
PPCOR	NonSpecific	0	1446350 1446452	1204 1204	1960	0.5228 0.5134	0	-0.00102	0.0
110010	ChIP-Seq	0	1426437	1204	21975	0.49284	0	-0.00358	0.0
	STRING	22	1425215	22575	1804	0.5234	0.03798	-0.00102	0.000974
CGP-DSSPD-NR5-EXE1	NonSpecific	31	1425090	22566	1929	0.51455	0.01682	7e-05	0.001372
	ChIP-Seq	327	1405371	22270	21648	0.49261	0.01331	-0.00071	0.014471
CCD DCCDD NDF EVE	STRING	$\frac{25}{2}$	1425253	22537	1801	0.5232	0.03591	-0.00054	0.001108
CGP-DSSPD-NR5-EXE2	NonSpecific ChIP-Seq	$\frac{23}{336}$	$1425117 \\ 1405415$	$\frac{22539}{22226}$	$1937 \\ 21639$	$0.51472 \\ 0.49241$	$0.01558 \\ 0.01385$	-0.00114 -0.00028	$0.001019 \\ 0.014892$
	STRING	20	1425936	21854	1806	0.43241 0.52273	0.01363 0.03401	-0.0012	0.014032 0.000914
CGP-DSSPD-NR5-EXE3	NonSpecific	$\frac{2}{24}$	1425806	21850	1936	0.51433	0.01437	-0.00086	0.001097
	ChIP- Seq	359	1406126	21515	21616	0.49309	0.01434	0.00127	0.016412
	STRING	28	1425348	22442	1798	0.52281	0.03281	-5e-05	0.001246
CGP-DSSPD-NR5-EXE4	NonSpecific	44	1425230	22426	1916	0.514	0.01353	0.00207	0.001958
	ChIP-Seq	360	1405531	22110	21615	0.49363	0.01463	0.00089	0.016021
CGP-DSSPD-NR5-EXE5	STRING NonSpecific	$\frac{28}{24}$	$1426006 \\ 1425868$	21784 21788	1798 1936	$0.52233 \\ 0.51366$	$0.03136 \\ 0.01286$	8e-05 -0.00085	0.001284 0.0011
CGI -DSSI D-IVIG-EALO	ChIP-Seq	$\frac{24}{331}$	1406160	21481	21644	0.49363	0.01230 0.01475	2e-05	0.0011 0.015175
	STRING	28	1424716	23074	1798	0.52211	0.03022	-0.00017	0.001212
CGP-DSSPD-NR10-EXE1	NonSpecific	36	1424590	23066	1924	0.51329	0.01228	0.00071	0.001558
	ChIP-Seq	324	1404863	22778	21651	0.49326	0.01478	-0.00118	0.014025
CGP-DSSPD-NR10-EXE2	STRING NonSpecific	$\frac{28}{26}$	$1424716 \\ 1424590$	23074 23066	1798	0.52211	0.03022	-0.00017	0.001212
CGF-D55FD-NK10-EAE2	ChIP-Seq	$\frac{36}{324}$	1424590 1404863		$1924 \\ 21651$	$0.51329 \\ 0.49326$	0.01228 0.01478	0.00071 -0.00118	$0.001558 \\ 0.014025$
	STRING	20	1424505	23285	1806	0.52276	0.02988	-0.00145	0.014028 0.000858
CGP-DSSPD-NR10-EXE3	NonSpecific	27	1424378	23278	1933	0.51324	0.01193	-0.00067	0.001159
	ChIP-Seq	342	1404678	22963	21633	0.49313	0.01483	-0.00051	0.014675
CCD DCCDD ND10 EVE4	STRING	28	1424816	22974	1798	0.52231	0.0289	-0.00015	0.001217
CGP-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{31}{364}$	$1424685 \\ 1405003$	$\frac{22971}{22638}$	$1929 \\ 21611$	$0.51269 \\ 0.49344$	$0.01151 \\ 0.01491$	-2e-05 0.00069	$0.001348 \\ 0.015825$
	STRING	25	1424885	22905	1801	0.52268	0.01431 0.02849	-0.0006	0.013025 0.00109
CGP-DSSPD-NR10-EXE5	NonSpecific	34	1424760	22896	1926	0.5126	0.01124	0.00045	0.001483
	ChIP- Seq	386	1405097	22544	21589	0.49442	0.01503	0.00174	0.016834
CCD I/M DI/M ND10 DVD1	STRING	39	1425404	22386	1787	0.52256	0.0279	0.00169	0.001739
CGP-KM-BKM-NR10-EXE1	NonSpecific ChIP-Seq	$\frac{36}{333}$	$1425267 \\ 1405549$	$\frac{22389}{22092}$	1924 21642	$0.51253 \\ 0.49462$	$0.01101 \\ 0.01505$	0.00086 -0.00032	$0.001605 \\ 0.014849$
	STRING	32	1405549 1426045	21745	1794	0.49402 0.52243	0.01303 0.02767	0.00032	0.014849 0.001469
CGP-KM-BKM-NR10-EXE2	NonSpecific	38	1425917	21739	1922	0.51235	0.01091	0.00132	0.001745
	ChIP-Seq	315	1406179	21462	21660	0.49254	0.01488	-0.0007	0.014465
	STRING	30	1426121	21669	1796	0.5225	0.02745	0.00043	0.001383
CGP-KM-BKM-NR10-EXE3	NonSpecific	52	1426009	21647	1908	0.51232	0.01082	0.0035	0.002396
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	$\frac{289}{34}$	$1406231 \\ 1425986$	21410 21804	$21686 \\ 1792$	$0.49215 \\ 0.52234$	$\begin{array}{c} 0.01485 \\ 0.02722 \end{array}$	-0.00186 0.00104	$0.013319 \\ 0.001557$
CGP-KM-BKM-NR10-EXE4	NonSpecific	37	1425855	21804 21801	1923	0.51236	0.02722 0.01077	0.00104 0.00115	0.001694
	ChIP-Seq	246	1406049	21592	21729	0.49058	0.01474	-0.00394	0.011265
	STRING	2	1445965	1825	1824	0.52223	0.02702	-0.00016	0.001095
CGP-KM-BKM-NR10-EXE5	NonSpecific	33	1425668	21988	1927	0.51216	0.01066	0.00049	0.001499
	ChIP-Seq STRING	288	$1405908 \\ 1425806$	21733	21687	$0.49008 \\ 0.52229$	0.0147	-0.00212 0.00338	0.013078
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	$49 \\ 47$	1425670	21984 21986	1777 1913	0.52229 0.5116	$0.02657 \\ 0.01034$	0.00338 0.00264	0.002224 0.002133
CGI TIMI BOST B TITLIO EXEL	ChIP-Seq	314	1405922	21719	21661	0.48974	0.01064 0.01468	-0.00204	0.002155 0.014251
	$\operatorname{STRING}^{1}$	48	1425938	21852	1778	0.52227	0.02654	0.00326	0.002192
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	27	1425783	21873	1933	0.51157	0.01033	-0.0004	0.001233
	ChIP-Seq	$\frac{324}{42}$	1406065	21576	21651	0.49146	0.0148	-0.00037	0.014795
CGP-KM-DSSPD-NR10-EXE3	STRING NonSpecific	$\frac{43}{48}$	$1425989 \\ 1425860$	$21801 \\ 21796$	$1783 \\ 1912$	0.52233 0.51203	0.02613 0.0103	0.00247 0.00284	$0.001969 \\ 0.002197$
OGI -IVIVI-DOSE D-INTIU-EAE3	ChIP-Seq	$\frac{48}{280}$	1425860 1406077	21796 21564	$\frac{1912}{21695}$	0.51203 0.49029	0.0103 0.01473	-0.00237	0.002197 0.012818
	STRING	46	1427195	20595	1780	0.43023 0.52234	0.01473 0.02573	0.00328	0.012010 0.002229
CGP-KM-DSSPD-NR10-EXE4	NonSpecific	35	1427050	20606	1925	0.51151	0.0101	0.00112	0.001696
	ChIP-Seq	285	1407285	20356	21690	0.48958	0.0147	-0.00133	0.013807
CCD WM DCCDD MD40 EVE	STRING Non-Specific	33	1425879	21911	1793	0.52264	0.0258	0.00085	0.001504
CGP-KM-DSSPD-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{39}{264}$	$1425751 \\ 1405961$	$21905 \\ 21680$	$1921 \\ 21711$	$0.51122 \\ 0.48847$	0.00927 0.01467	0.00143 -0.00317	0.001777 0.012031
	-D04	204	1 100001	21000		0.40041	0.01401	0.00011	0.012001

Tabela 55: Tabular results for mHSC-GM problem considering the 1000TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	35	1278836	1277	1276	0.5114	0.04191	0.02569	0.026677
PIDC	NonSpecific	28	1278737	1330	1329	0.50949	0.03316	0.01959	0.020619
	ChIP-Seq	117	1253270	14019	14018	0.49848	0.01049	-0.00279	0.008277
CENTES	STRING	55	1278857	1256	1256	0.52309	0.04703	0.04097	0.041953
GENIE3	NonSpecific	$\frac{33}{85}$	$1278742 \\ 1253237$	1325 14052	1324 14050	$0.51529 \\ 0.49728$	0.03318 0.00997	0.02328 -0.00507	0.0243 0.006013
	ChIP-Seq STRING	53	1253257 1278855	1258	1258	0.49728 0.52696	0.00997 0.05021	0.03944	0.000013 0.040427
GRNBOOST2	NonSpecific	35	1278745	1322	1322	0.52030 0.51732	0.03021 0.03352	0.03344 0.02476	0.040427 0.025792
GILLIBOOST2	ChIP-Seq	116	1253270	14019	14019	0.49701	0.01015	-0.00286	0.008207
	STRING	0	1278806	1307	1311	0.5267	0	-0.00102	0.0
SINCERITIES	NonSpecific	0	1278714	1353	1357	0.51701	0	-0.00106	0.0
	ChIP-Seq	113	1253398	13891	14022	0.49545	0.01018	-0.00298	0.007994
	STRING	0	1278981	1132	1311	0.52534	0	-0.00095	0.0
PPCOR	NonSpecific	0	1278935	1132	1357	0.51609	0	-0.00097	0.0
	ChIP-Seq	0	1266157	1132	14135	0.49498	0	-0.00314	0.0
CGP-DSSPD-NR5-EXE1	STRING	14 13	$1263290 \\ 1263243$	16823 16824	$1297 \\ 1344$	0.52481	$0.03603 \\ 0.01836$	-0.00069 -0.00102	0.000832 0.000772
CGF-DSSFD-NRS-EAET	NonSpecific ChIP-Seq	153	1203243 1250605	16684	1344 13982	$0.5155 \\ 0.49406$	0.01036	-0.00102	0.000772 0.009087
	STRING	19	1264924	15189	13932 1292	0.49400 0.52459	0.01020 0.03401	0.00213	0.003087 0.001249
CGP-DSSPD-NR5-EXE2	NonSpecific	17	1264876	15191	1340	0.51568	0.01697	0.0007	0.001243
	ChIP-Seq	201	1252282	15007	13934	0.49493	0.01076	0.00229	0.013217
	STRING	11	1264797	15316	1300	0.52454	0.03287	-0.00105	0.000718
CGP-DSSPD-NR5-EXE3	NonSpecific	16	1264756	15311	1341	0.51625	0.01619	-5e-05	0.001044
	ChIP-Seq	161	1252123	15166	13974	0.49471	0.01089	-0.00055	0.010504
	STRING	22	1264867	15246	1289	0.52402	0.03136	0.00144	0.001441
CGP-DSSPD-NR5-EXE4	NonSpecific	17	1264816	15251	1340	0.51609	0.01524	0.00018	0.001113
	ChIP-Seq	166	1252187	15102	13969	0.49463	0.011	-0.00017	0.010872
CGP-DSSPD-NR5-EXE5	STRING NonSpecific	$\frac{20}{16}$	$1264955 \\ 1264905$	$15158 \\ 15162$	$1291 \\ 1341$	$0.52417 \\ 0.51629$	$0.03031 \\ 0.01463$	0.00101 $-2e-05$	0.001318 0.001054
CGF-DSSFD-NR3-EAE3	ChIP-Seq	155	1254905 1252266	15102 15023	1341 13980	0.31029 0.4944	0.01403 0.01106	-0.00086	0.001034 0.010212
	STRING	3	1277428	2685	1308	0.52439	0.01100 0.02958	0.00013	0.010212 0.001116
CGP-DSSPD-NR10-EXE1	NonSpecific	$\overline{4}$	1277383	2684	1353	0.51647	0.0141	0.0006	0.001488
	ChIP-Seq	28	1264534	2755	14107	0.4942	0.01105	-0.00043	0.010061
	STRING	2	1277489	2624	1309	0.52431	0.02887	-0.00037	0.000762
CGP-DSSPD-NR10-EXE2	NonSpecific	3	1277444	2623	1354	0.51633	0.01358	0.00012	0.001142
	ChIP-Seq	36	1264633		14099	0.49446	0.01111	0.00103	0.013373
CCD DCCDD ND10 EVE9	STRING	2	1277414	2699	1309	0.52411	0.02804	-0.00041	0.00074
CGP-DSSPD-NR10-EXE3	NonSpecific	$\frac{2}{50}$	$1277368 \\ 1264555$	2699	1355	0.51571	0.01289	-0.00045	0.00074
	ChIP-Seq STRING	$\frac{50}{2}$	1204555 1277447	$2734 \\ 2666$	14085 1309	$0.49517 \\ 0.52408$	0.01123 0.02756	0.0031 -0.00039	$0.01796 \\ 0.00075$
CGP-DSSPD-NR10-EXE4	NonSpecific	5	1277404	2663	1352	0.51591	0.02760 0.01264	0.00114	0.00073 0.001874
	ChIP-Seq	23	1264507	2782	14112	0.49497	0.01201	-0.00117	0.0082
	STRING	0	1277398	2715	1311	0.52361	0	-0.00147	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	1	1277353	2714	1356	0.51575	0.01231	-0.00098	0.000368
	ChIP-Seq	26	1264552	2737	14109	0.49483	0.01121	-0.00072	0.00941
	STRING	2	1278725	1388	1309	0.52359	0.02628	0.00043	0.001439
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	1278677	1390	1357	0.51522	0	-0.00107	0.0
	$ \begin{array}{c} \text{ChIP-Seq} \\ \text{STRING} \end{array} $	87	1257790	9499	14048	0.49441	0.0112	-0.00162	0.009076
CGP-KM-BKM-NR10-EXE2	NonSpecific	$\frac{1}{0}$	$\frac{1278799}{1278534}$	$1314 \\ 1533$	$1310 \\ 1357$	$0.52346 \\ 0.51502$	0.02611	-0.00026 -0.00113	$0.00076 \\ 0.0$
OGI -KM-DKM-WITO-EXE2	ChIP-Seq	145	1278954 1253053	14236	13990	0.49419	0.01123	-0.00113	0.010083
	STRING	6	1277608	2505	1305	0.52384	0.0254	0.00189	0.002389
CGP-KM-BKM-NR10-EXE3	NonSpecific	$\overline{4}$	1277560	2507	1353	0.51545	0.01141	0.00073	0.001593
	ChIP-Seq	30	1258708	8581	14105	0.49238	0.01105	-0.00594	0.003484
	STRING	3	1277988	2125	1308	0.52406	0.02537	0.00049	0.00141
CGP-KM-BKM-NR10-EXE4	NonSpecific	4	1277943	2124	1353	0.51624	0.01153	0.00103	0.00188
	ChIP-Seq	54	1256561	10728	14081	0.49052	0.01089	-0.00531	0.005008
CCD KM DKM ND10 EVET	STRING	4	1278246	1867	1307	0.52419	0.02524	0.00133	0.002138
CGP-KM-BKM-NR10-EXE5	NonSpecific ChIP-Seq	$\frac{1}{151}$	$\frac{1278197}{1255050}$	$1870 \\ 12239$	1356 13984	$0.51639 \\ 0.49158$	$0.0115 \\ 0.01105$	-0.00062 0.00109	0.000534 0.012187
	STRING	$\frac{131}{3}$	1255050 1277375	$\frac{12239}{2738}$	13984 1308	0.49138 0.52401	0.01105 0.0248	0.00109 0.0001	0.012187 0.001094
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	6	1277373	2735	1351	0.52401 0.51592	0.0240 0.01122	0.0001 0.00161	0.001034 0.002189
	ChIP-Seq	31	1264362	2927	14104	0.4916	0.01122 0.01107	-0.00025	0.01048
	STRING	2	1277338	2775	1309	0.5242	0.02451	-0.00044	0.00072
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	1	1277291	2776	1356	0.51546	0.01097	-0.001	0.00036
	ChIP-Seq	28	1264235	3054	14107	0.49157	0.01107	-0.00092	0.009085
	STRING	2	1277326	2787	1309	0.52405	0.02414	-0.00045	0.000717
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	1	1277279	2788	1356	0.51531	0.01081	-0.00101	0.000359
	ChIP-Seq	$\frac{31}{4}$	1264194	3095	14104	0.49142	0.01107	-0.00053	0.009917
CCD KM DCCDD ND10 EVE4	STRING NonSpecific	4	1277460	$\frac{2653}{2655}$	1307	0.52427	0.02393	0.00069	0.001505
CGP-KM-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{2}{40}$	$1277412 \\ 1264392$	$2655 \\ 2897$	$1355 \\ 14095$	$0.51482 \\ 0.49168$	$0.01058 \\ 0.01111$	-0.00043 0.00119	0.000753 0.013619
	STRING	$\frac{40}{4}$	1204392 1277388	2725	1307	0.49168 0.52456	0.01111 0.02382	0.00119 0.00064	0.013019 0.001466
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	3	1277366 1277341	2726	1354	0.52430 0.51434	0.02332 0.01038	6e-05	0.001400 0.001099
	ChIP-Seq	24	1264231	3058	14111	0.49131	0.01108	-0.00153	0.007787
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Tabela 56: Tabular results for mHSC-L problem considering the 1000TF configuration with self-loop.

Alg	RefNet	TP	TN	FP	FN	AUROC	AUPRC	MCC	EPR
	STRING	16	478572	138	138	0.54922	0.16806	0.10361	0.103896
PIDC	NonSpecific	11	478240	307	306	0.51637	0.07023	0.03401	0.034591
	ChIP-Seq	50	468554	5130	5130	0.49942	0.01196	-0.00118	0.009653
CIENTES	STRING	9	478565	145	145	0.5486	0.14648	0.05814	0.058442
GENIE3	NonSpecific	7	478237	310	310	0.51763	0.06302	0.02143	0.022082
	ChIP-Seq STRING	50 7	$468554 \\ 478563$	$5130 \\ 147$	$5130 \\ 147$	$0.49874 \\ 0.54848$	0.01168 0.14725	-0.00118 0.04515	0.009653 0.045455
GRNBOOST2	NonSpecific	6	478236	311	311	0.54548 0.51752	0.14723 0.05812	0.04313 0.01828	0.043433 0.018927
GIRT DOOS 12	ChIP-Seq	60	468564	511	5120	0.49918	0.03012 0.01211	0.01028 0.00077	0.010527
	STRING	0	478578	132	154	0.54802	0	-0.0003	0.0
SINCERITIES	NonSpecific	0	478265	282	317	0.51716	0	-0.00063	0.0
	ChIP-Seq	24	468868	4816	5156	0.49624	0.01106	-0.00572	0.004633
	STRING	0	478018	692	154	0.54658	0	-0.00068	0.0
PPCOR	NonSpecific	0	477855	692	317	0.516	0	-0.00098	0.0
	ChIP-Seq	51	468555	5129	5129	0.49564	0.01128	-0.00098	0.009846
CCD DCCDD ND* EVE1	STRING	1	470276	8434	153	0.54652	0.11146	-0.00152	0.000119
CGP-DSSPD-NR5-EXE1	NonSpecific	7	$470119 \\ 465350$	$8428 \\ 8334$	$\frac{310}{5079}$	0.51559	$0.03139 \\ 0.01165$	0.00087	0.00083
	ChIP-Seq STRING	101 1	465350 470278	8432	$\frac{5079}{153}$	$0.49606 \\ 0.54639$	0.01165 0.10986	0.0015 -0.00152	0.011974 0.000119
CGP-DSSPD-NR5-EXE2	NonSpecific	6	470120	8427	311	0.54639 0.51521	0.10930 0.02931	0.00132	0.000113 0.000711
CGI -DSSI D-IVIG-LALIZ	ChIP-Seq	102	465353	8331	5078	0.49653	0.02331 0.0119	0.00020 0.00165	0.012095
	STRING	4	470378	8332	150	0.54625	0.10831	0.00118	0.00048
CGP-DSSPD-NR5-EXE3	NonSpecific	5	470216	8331	312	0.51483	0.02761	-0.00032	0.0006
	ChIP-Seq	106	465454	8230	5074	0.49748	0.01217	0.00244	0.012716
	STRING	4	470209	8501	150	0.54619	0.10757	0.00112	0.00047
CGP-DSSPD-NR5-EXE4	NonSpecific	6	470048	8499	311	0.51453	0.02645	0.00023	0.000705
	ChIP-Seq	112	465291	8393	5068	0.49792	0.01228	0.00306	0.013169
CCD DCCDD NDF EVER	STRING	3	470177	8533	151	0.54599	0.10541	0.00022	0.000351
CGP-DSSPD-NR5-EXE5	NonSpecific ChIP-Seq	$\frac{4}{61}$	$470015 \\ 465209$	$8532 \\ 8475$	$\frac{313}{5119}$	$0.51407 \\ 0.49585$	0.02494 0.01202	-0.00101 -0.00478	0.000469 0.007146
	STRING	0	477064	1646	154	0.49503 0.54593	0.01202	-0.00478	0.007140
CGP-DSSPD-NR10-EXE1	NonSpecific	0	476901	1646	317	0.51382	0	-0.00151	0.0
	ChIP-Seq	19	471984	1700	5161	0.49598	0.01207	0.00014	0.011053
	STRING	1	476985	1725	153	0.5458	0.10337	0.00086	0.000579
CGP-DSSPD-NR10-EXE2	NonSpecific	3	476824	1723	314	0.51351	0.02344	0.00252	0.001738
	ChIP-Seq	49	471947	1737	5131		0.01251	0.00983	0.027436
	STRING	1	477039	1671	153	0.54574	0.10371	0.00091	0.000598
CGP-DSSPD-NR10-EXE3	NonSpecific	3	476878	1669	314	0.51327	0.02301	0.00261	0.001794
	ChIP-Seq STRING	$\frac{25}{2}$	$471948 \\ 477064$	$1736 \\ 1646$	$\begin{array}{c} 5155 \\ 152 \end{array}$	$0.49911 \\ 0.54561$	$0.01254 \\ 0.10244$	0.00198 0.00292	0.014196 0.001214
CGP-DSSPD-NR10-EXE4	NonSpecific	$\frac{2}{2}$	476901	1646	$\frac{152}{315}$	0.54301 0.51303	0.10244 0.02251	0.00292 0.00126	0.001214 0.001214
CGI -DSSI D-MIIIO-EXE4	ChIP-Seq	$\frac{2}{23}$	471984	1700	5157	0.49973	0.02231 0.01263	0.00120 0.00147	0.001214 0.013349
	STRING	0	477075	1635	154	0.54554	0	-0.00105	0.0
CGP-DSSPD-NR10-EXE5	NonSpecific	0	476912	1635	317	0.51275	0	-0.00151	0.0
	ChIP-Seq	18	471947	1737	5162	0.49974	0.01262	-0.00033	0.010256
	STRING	0	477504	1206	154	0.54541	0	-0.0009	0.0
CGP-KM-BKM-NR10-EXE1	NonSpecific	0	477341	1206	317	0.51243	0	-0.00129	0.0
	ChIP-Seq	42	468206	5478	5138	0.49819	0.01244	-0.00335	0.007609
CCD VM DVM ND10 EVE	STRING	0	478154	556	154	0.54535	0 00101	-0.00061	0.0
CGP-KM-BKM-NR10-EXE2	NonSpecific ChIP-Seq	$\frac{1}{55}$	$477992 \\ 465053$	$555 \\ 8631$	$\frac{316}{5125}$	$0.51232 \\ 0.49645$	$\begin{array}{c} 0.02121 \\ 0.01227 \end{array}$	0.00151 -0.00589	0.001799 0.006332
	STRING	0	475870	2840	154	0.49045 0.54535	0.01227	-0.00389	0.000332
CGP-KM-BKM-NR10-EXE3	NonSpecific	$\overset{\circ}{2}$	475709	2838	315	0.51225	0.02111	0.00013	0.000704
	ChIP-Seq	35	470768	2916	5145	0.49682	0.01233	0.00079	0.01186
	STRING	0	478014	696	154	0.54528	0	-0.00068	0.0
CGP-KM-BKM-NR10-EXE4	NonSpecific	0	477851	696	317	0.51215	0	-0.00098	0.0
	ChIP-Seq	88	468913	4771	5092	0.49912	0.01257	0.00714	0.018111
CCD VIA DVIA VD40 EVET	STRING	0	478170	540	154	0.54528	0	-0.0006	0.0
CGP-KM-BKM-NR10-EXE5	NonSpecific	0	478007	540	317	0.51211	0	-0.00086	0.0
	ChIP-Seq STRING	$\frac{38}{0}$	$\frac{467939}{477028}$	5745 1682	$\begin{array}{c} 5142 \\ 154 \end{array}$	$0.49752 \\ 0.54522$	0.01243	-0.00454 -0.00106	$0.006571 \\ 0.0$
CGP-KM-DSSPD-NR10-EXE1	NonSpecific	$\frac{0}{2}$	476867	1682	315	0.54522 0.51191	0.0206	0.00100	0.001189
CGI -KWI-DSSI D-NICIO-EXEI	ChIP-Seq	11	471870	1814	5169	0.49667	0.0200 0.01234	-0.00122	0.001103 0.006027
	STRING	1	477071	1639	153	0.54515	0.09833	0.00094	0.00061
CGP-KM-DSSPD-NR10-EXE2	NonSpecific	1	476908	1639	316	0.51159	0.02015	-0.00012	0.00061
	ChIP-Seq	27	471890	1794	5153	0.49756	0.01243	0.00239	0.014827
	STRING	0	477088	1622	154	0.54515	0	-0.00105	0.0
CGP-KM-DSSPD-NR10-EXE3	NonSpecific	0	476925	1622	317	0.51133	0	-0.0015	0.0
	ChIP-Seq	10	471911	1773	5170	0.49653	0.01233	-0.00308	0.005609
CCD VM DCCDD MD40 DVD4	STRING	1	477105	1605	153	0.54509	0.09778	0.00097	0.000623
CGP-KM-DSSPD-NR10-EXE4	NonSpecific ChIP-Seq	$\frac{1}{30}$	$476942 \\ 471934$	$\frac{1605}{1750}$	$316 \\ 5150$	0.51104	0.01948 0.01242	-9e-05 0.00357	0.000623 0.016854
	STRING	30 3	471934 477068	$1750 \\ 1642$	151	$0.49757 \\ 0.54482$	0.01242 0.09569	0.00357 0.00492	0.016854 0.001824
CGP-KM-DSSPD-NR10-EXE5	NonSpecific	$\frac{3}{4}$	476906	1642 1641	313	0.54482 0.51232	0.09309 0.02001	0.00492 0.00404	0.001824 0.002432
	ChIP-Seq	$\frac{4}{34}$	471841	1843	5146	0.49881	0.02001 0.01254	0.00404 0.00443	0.002432 0.018114
	~ ~ 1				0				

5 Clustering Analysis

Tabela 57: hESC - Clustering Quality - GWR (genes with relationship).

		GWR $(\%)$	Homogeneity	Completeness	V-Measure	Total GWR (%)
				500nTF		
ChIP-Seq	0	36.87%	0.73795	0.71499	0.72629	62%
1	1	65.24%				
NonSpecific	0	15.79%	0.51117	0.35257	0.41731	12.2%
r	1	11.74%				
STRING	0	15.79%	0.30497	0.23792	0.26730	18.4%
	1	18.74%				
				500TF		
ChIP-Seq	0	59.65%	0.30197	0.30565	0.30800	86.4%
CIIIF-Seq	1	89.84%	0.30197	0.50505	0.30800	00.4/0
NonChosifia	0	61.4%	0.00749	0.00821	0.00783	76%
NonSpecific	1	77.88%	0.00749	0.00621	0.00765	10/0
STRING	0	35.09%	0.004056	0.005814	0.00478	38%
SIRING	1	38.37%	0.004050	0.003614	0.00478	30/0
				$1000 \mathrm{nTF}$		
CLID C	0	70.65%	0.07000	0.07014	0.07000	PF 904
ChIP- Seq	1	77.07%	0.87629	0.87014	0.87320	75.3%
NI C :C	0	51.81%	0.60001	0.50001	0.00000	F007
NonSpecific	1	49.31%	0.62201	0.59091	0.60606	50%
CTDING	0	27.17%	0.20605	0.20040	0.20752	99. 407
STRING	1	20.58%	0.30605	0.28948	0.29753	22.4%
				1000TF		
	0	86.85%	0.00000	0.00000	0.04.275	22.22
ChIP-Seq	1	90.37%	0.82063	0.80689	0.81370	89.36%
7. G	0	82.13%	0.0075	0.0000	0.04	04 1504
NonSpecific	1	81.23%	0.32575	0.30926	0.31729	81.49%
	0	57.57%	0.40005	0.44086	0.4.00.5.5	W0.5504
STRING	1	47.37%	0.12623	0.11853	0.12226	50.28%

Tabela 58: hHep - Clustering Quality - GWR (genes with relationship).

		GWR (%)	Homogeneity	Completeness	V-Measure	Total GWR (%)
				$500 \mathrm{nTF}$		
ChIP-Seq	0	80.47%	0.94592	0.95454	0.95027	75.6%
emi -beq	1	64.97%	0.54052	0.55101	0.99021	10.070
NonSpecific	0	20.41%	0.49169	0.52658	0.508537	17.6%
	$\frac{1}{0}$	$11.46\% \ 38.78\%$				
STRING	1	17.83%	0.61263	0.627067	0.619762	32.2%
				500TF		
	0	95.65%				
	1	95.45%				
ChIP-Seq	$\overline{2}$	91.14%	0.72091	0.67159	0.69538	92.19%
	3	93.15%	0.12001	0.01100	0.00000	02.1070
	4	89.66%				
	0	91.3%				
	1	72.73%				
NonSpecific	$\frac{1}{2}$	81.01%	0.265731	0.24107	0.25280	87.76
Nonspecific	$\frac{2}{3}$	86.72%	0.200751	0.24107	0.20200	01.10
	$\frac{3}{4}$	94.83%				
	0	75.36%				
	1	59.09%				
CTDING			0.00049	0.00450	0.09139	60.207
STRING	$\frac{2}{2}$	39.24%	0.09948	0.08452	0.09139	69.2%
	3	68.52%				
	4	90.09%		1000mTE		
				1000nTF		
ChIP-Seq	0	74.71%	0.93933	0.92483	0.93202	81.6%
	1	83.98%		0.0220	0.00_0_	0210,0
NonSpecific	0	17.9%	0.60770	0.55700	0.58125	21%
r voino p como	1	22.07%	0.001.10	0.001.00	0.00120	-170
STRING	0	15.18%	0.61113	0.56859	0.58909	34.2%
	1	40.78%		1000		
				1000TF		
	0	92.58%				
	1	88.15%				
ChIP- Seq	2	94.12%	0.78745	0.78260	0.78501	91.92%
	3	91.24%				
	0	82.74%				
	1	94.79%				
NonSpecific	2	86.27%	0.32664	0.32261	0.32462	84.53
	3	80.08%				
	0	60.87%				
	1	91.00%				
STRING	2	63.24%	0.12396	0.11570	0.11969	61.40%
	3	36.65%				

6 Boxplots

6.1 ChIP-Seq

Tabela 59: mDC - Clustering Quality - GWR (genes with relationship).

		GWR (%)	Homogeneity	Completeness	V-Measure	Total GWR (%)
				$500 \mathrm{nTF}$		
ChIP-Seq	0	6.97% 6.47%	0.73923	0.69956	0.71885	6.8%
NonSpecific	0 1	$6.36\% \ 7.06\%$	0.30870	0.30870	0.30870	6.6%
STRING	0 1	$16.06\% \ 20\%$	0.61047	0.59951	0.60494	17.4%
				500TF		
	0	55.79%				
ChIP-Seq	$1 \\ 2 \\ 3$	$50.51\% \ 53.92\% \ 75\%$	0.75024	0.71724	0.73337	54.57%
NonSpecific	0 1 2	95.79% $75.76%$ $65.36%$	0.38478	0.32547	0.35265	78.32%
STRING	3 0 1	62.5% $81.05%$ $59.09%$	0.27464	0.20788	0.23664	59.32%
	$\frac{2}{3}$	$39.87\% \ 53.12\%$	0.2.101	0.20100	0.2001	30.3270
				$1000 \mathrm{nTF}$		
ChIP-Seq	0	$26.44\% \ 25.1\%$	0.84284	0.80088	0.82132	26.1%
NonSpecific	0 1	$25.9\% \ 31.08\%$	0.55527	0.51299	0.53330	27.2%
STRING	0 1	$23.9\% \ 28.29\%$	0.53696	0.47856	0.50608	25%
				1000TF		
ChIP-Seq	0	52.04% $52.85%$	0.84085	0.79784	0.81878	52.23%
NonSpecific	0 1	$74.53\% \ 73.10\%$	0.52541	0.43127	0.47371	74.19%
STRING	0 1	51.34% $52.22%$	0.39610	0.29902	0.34079	51.55%

Tabela 60: mESC - Clustering Quality - GWR (genes with relationship).

		GWR (%)	Homogeneity	Completeness	V-Measure	Total GWR (%)
				500nTF		
ChIP-Seq	0	75%	0.52269	0.11614	0.19006	73.4%
	1	73.39%	0.02200	0.11011	0.10000	13.170
NonSpecific	0	25%	0.0	1.0	0.0	41.2%
	0	$41.33\% \ 25\%$				
STRING	1	17.54%	0.0	1.0	0.0	17.6%
		11.04/0		500TF		
				90011		
CLID C	0	86.78%	0 80100	0.4100	0.40554	07 0004
ChIP-Seq	1	87.44%	0.53199	0.41385	0.46554	87.23%
	2	80%				
NonSpecific	0 1	$77.97\% \ 80.73\%$	0.12037	0.098862	0.10856	80%
NonSpecific	$\frac{1}{2}$	80.73%	0.12037	0.090002	0.10690	0070
	0	60.68%				
STRING	1	56.95%	0.04453	0.03601	0.03982	56.86%
STRITT	$\frac{1}{2}$	40%	0.01100	0.09001	0.03002	30.0070
				1000nTF		
		60,0004		10001111		
	0	69.98%				
ChIP-Seq	$\frac{1}{2}$	$84.21\% \ 90.91\%$	0.67579	0.62778	0.65090	77.5%
	$\frac{2}{3}$	81.69%				
	0	52.61%				
	1	62.57%				
NonSpecific	$\frac{1}{2}$	54.55%	0.46925	0.45913	0.46414	49.8%
	3	41.69%				
	0	22.58%				
STRING	1	32.75%	0.00005	0.05001	0.05077	00 507
	2	27.27%	0.26065	0.25691	0.25877	22.5%
	3	18.07%				
		$1000\mathrm{TF}$				
	0	87.98%				
ChIP-Seq	1	88.51%	0.61095	0.58328	0.59679	85.49%
	2	82.00%				
NonSpecific	0	78.86%				
	1	79.89%	0.15709	0.14082	0.14851	75.37%
	2	70.39%				
	0	50.07%				
STRING	1	60.92%	0.06518	0.05784	0.06129	49.32%
	2	45.57%				

Tabela 61: hHSC-E - Clustering Quality - GWR (genes with relationship).

		GWR (%)	Homogeneity	Completeness	V-Measure	Total GWR (%)	
				$500 \mathrm{nTF}$			
ChIP-Seq	0	93.82% 85.94%	0.87928	0.87928	0.87928	91.8%	
NonSpecific	$0 \\ 1$	$37.9\% \ 21.88\%$	0.58920	0.60061	0.59485	33.8%	
STRING	0 1	25.27% $21.88%$	0.48771	0.48771	0.48771	22.4%	
				500TF			
ChIP-Seq	0	98.53% $97.37%$	0.74253	0.75669	0.74954	98.15%	
NonSpecific	$0 \\ 1$	$62.82\% \ 64.91\%$	0.29804	0.30445	0.30121	63.49%	
STRING	0 1	$43.7\% \ 40.35\%$	0.15657	0.15979	0.15816	42.61%	
			$1000 \mathrm{nTF}$				
ChIP-Seq	0	94% 97.73%	0.86999	0.86999	0.86999	96.8%	
NonSpecific	0 1	$27.2\% \ 39.07\%$	0.54778	0.54025	0.54399	36.1%	
STRING	0 1	$14\% \ 27.47\%$	0.36155	0.34213	0.35158	24.1%	
			1000TF				
ChIP-Seq	0 1	96.44% $98.27%$	0.79655	0.80487	0.80069	97.76%	
NonSpecific	0 1	55.49% $56.86%$	0.39588	0.40584	0.40080	56.48%	
STRING	0 1	33.53% $36.22%$	0.22618	0.23112	0.22863	35.47%	

Tabela 62: mHSC-GM - Clustering Quality - GWR (genes with relationship).

		GWR $(\%)$	Homogeneity	Completeness	V-Measure	Total GWR (%)
				$500 \mathrm{nTF}$		
ChIP-Seq	0	97.31%	0.85589	0.85791	0.85690	96.2%
	1	93.94%	0.00000	0.00731	0.00000	30.270
NonSpecific	0	25.67%	0.56515	0.57768	0.57135	26%
	$\frac{1}{0}$	$26.67\% \ 18.81\%$				
STRING	1	15.76%	0.37842	0.39474	0.38641	17.8%
		10.1070		500TF		
	0	00 5607		50011		
	0	$98.56\% \ 98.85\%$				
ChIP-Seq	$\frac{1}{2}$	96.83%	0.69920	0.70998	0.70455	97.78%
	3	95.83%				
	0	46.04%				
NonSpecific	1	43.51%	0.32111	0.32227	0.321689	47.47%
•	2	60.32%				
	3	50%				
	0	34.53%				
STRING	1	32.82%	0.16635	0.16599	0.16617	32.59%
	2	44.44%				
	3	26.19%				
				$1000 \mathrm{nTF}$		
	0	96.57%				
ChIP-Seq	1	92.41%	0.81860	0.81514	0.81687	95.20%
Cmr-seq	2	94.98%	0.01000	0.01314	0.01007	90.2070
	3	93.33%				
	0	37.04%				
N C ·C	1	35.44%	0.40000	0 51150	0.50200	20,0007
NonSpecific	2	40.54%	0.49628	0.51159	0.50382	36.00%
	3	27.69%				
	0	31.91%				
CEDING	1	17.72%	0.00761	0.01000	0.00000	27 2007
STRING	2	30.50%	0.30761	0.31222	0.30990	27.30%
	3	15.90%				
				1000TF		
	0	95.78%				
ChIP-Seq	1	94.88%				
	$\frac{1}{2}$	97.07%	0.81911	0.82135	0.82023	96.20%
	0	52.41%				
NonSpecific	1	42.13%				
	$\frac{1}{2}$	42.13% $45.79%$	0.45106	0.46399	0.45743	46.91%
		34.04%				
	0					
STRING	$\frac{1}{2}$	22.05%	0.23261	0.24064	0.23655	31.54%
		34.43%				

Tabela 63: mHSC-L - Clustering Quality - GWR (genes with relationship).

		GWR $(\%)$	Homogeneity	Completeness	V-Measure	Total GWR (%)		
				$500 \mathrm{nTF}$				
	0	91.41%						
ChIP-Seq	1	95.32%	0.76613	0.76779	0.76696	93.8%		
	2	95.42%						
	0	24.24%						
NonSpecific	1	28.65%	0.36425	0.36415	0.36420	28%		
	2	32.82%						
	0	14.14%						
STRING	1	5.85%	0.19828	0.19687	0.19757	12.4%		
	2	18.32%						
				500TF				
ChID Con	0	92.35%	0.70051	0.70012	0.70021	02.7507		
CmP-Seq	1	97.02%	0.78851	0.79213	0.79031	93.75%		
NonSpecific	0	28.32%	0.36646	0.36486	0.36566	30%		
Nonspecific	1	33.93%	0.30040					
STRING	0	10.71%	0.15373	0.15470	0.15421	13.21%		
BIIIIII	1	19.05%						
				$1000 \mathrm{nTF}$				
Claip Care	0	91.67%	0.01000	0.81206	0.81206	92.49%		
CniP-Seq	1	94.68%	0.81206					
ChIP-Seq NonSpecific STRING ChIP-Seq NonSpecific STRING ChIP-Seq	0	26.79%	0.38713	0.38538	0.38625	28.61%		
Nonspecific	1	33.51%						
STRING	0	10.52%	0.17103	0.16780	0.16940	12.43%		
SIRING	1	17.55%						
			$1000\mathrm{TF}$					
ChIP-Seq	0	91.67%	0.81206	0.81206	0.81206	92.49%		
	1	94.68%						
NonSpecific	0	26.79%	0.20712	0.38538	0.38625	28.61%		
	1	33.51%	0.38713					
STRING	0	10.52%	0.17103	0.16790	0.16940	19 4207		
STRING	1	17.55%	0.11109	0.16780	0.10940	12.43%		

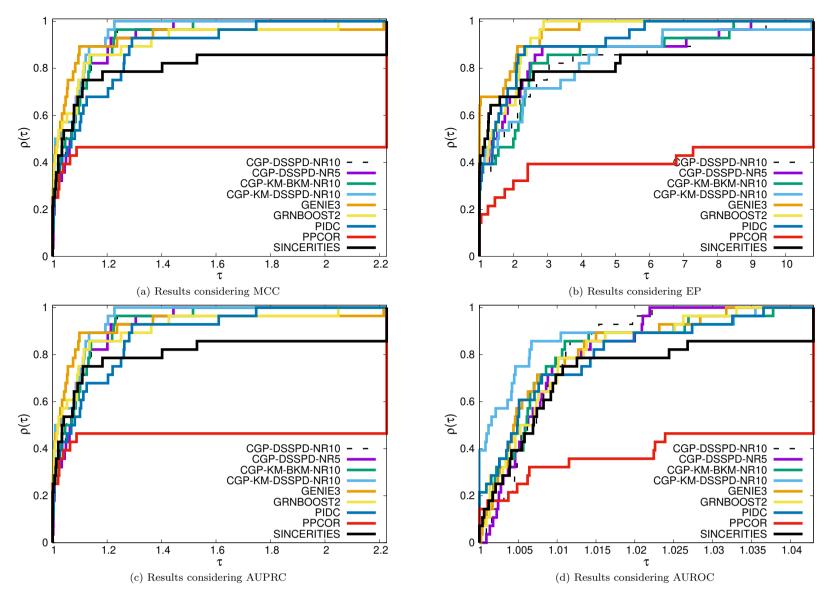


Figura 1: Results for the problems considering all scenarios without self-loop.

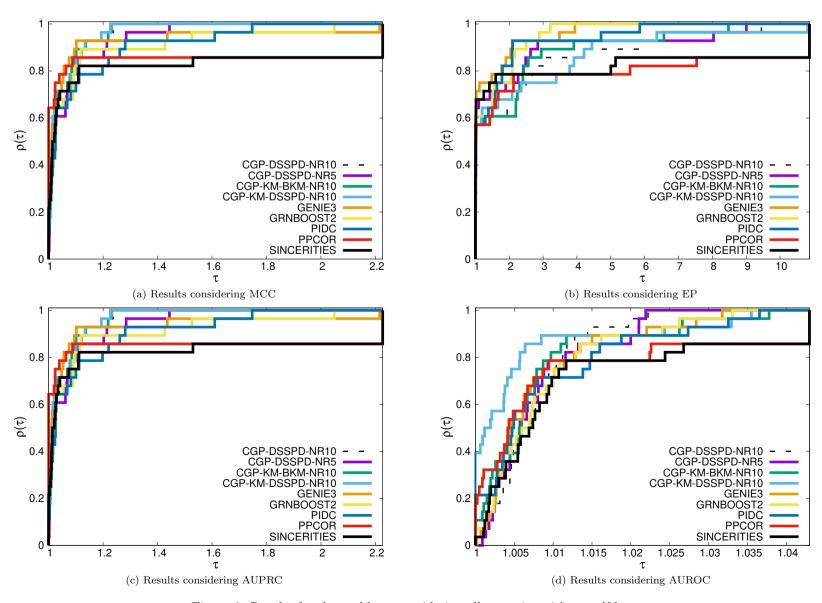


Figura 2: Results for the problems considering all scenarios without self-loop.