

feature	group	avgExpr	logFC	statistic	auc	pval
padj	pct_in	pct_out				
ATF1-regulon	Activated			0.115282891346733		
0.00944753984421344			55666838	0.681446360306627		
1.08353600431113e-156			6.41092135884088e-156	100	100	
ATF3-regulon	Activated			0.0709182646823648		
0.0207555023509353			65221267.5	0.798407039977013		0
0	100	100				
ATF4-regulon	Activated			0.125604397215999		
0.0175803622398163			59208270.5	0.724798854791703		
2.1157655784312e-239			2.31106701644023e-238	100	100	
ATF5-regulon	Activated			0.125307174692447		
0.00717050244946621			46137207.5	0.564789257934619		
1.68806183996941e-21			3.28362714076242e-21	100		
99.9977010437262						
ATF6-regulon	Activated					
0.132908195633545			-0.00365710853031054	42714479		
0.522889880092415			0.000767297673447804			
0.000972823835978466			100	100		
ATF6B-regulon	Activated			0.0575383321125472		
0.000252261160736872			43519060.0332031	0.532739169837379		
1.49182100783425e-06			2.09741171398479e-06	99.8402555910543		
99.9241344429629						
BACH1-regulon	Activated			0.056524256874996		
0.0138131113678839			55149965	0.675119052393238		
4.30066068736415e-146			2.34882237540658e-145	100		
99.5448066577774						
BATF-regulon	Activated			0.0397888194025127		
0.0213803455259567			55509184	0.679516436704935		
1.2793530506638e-172			8.65086348544092e-172	75.2928647497338		
50.6988827072509						
BATF3-regulon	Activated			0.0981003034457006		
0.0155815710564632			54203387	0.663531504833121		
1.17828147642704e-127			5.7695161949186e-127	100	100	
BCL11A-regulon	Activated					
0.191107722119286			-0.0139708274568562	25518116		
0.312380366746937			2.15107878202696e-167			
1.38842357749013e-166			100	100		
BHLHE40-regulon	Activated			0.0646026815849241		
0.00933798108191049			52916910	0.647783079006093		
1.29912276399642e-104			5.12431756909698e-104	100	100	
BRF2-regulon	Activated			0.0511085794683546		
0.00990623879018914			53647892	0.656731405177406		
2.02184454312048e-117			8.7000583370639e-117	99.9467518636848		
99.7195273345901						
CEBPB-regulon	Activated			0.158725820343702		
0.0163087790675349			59950323.5	0.733882706761248		
5.79206665817656e-259			7.47703150419156e-258	100	100	
CEBPG-regulon	Activated			0.0850318970096619		
0.0177038830397894			58511073.5	0.716264108160923		

1.00190530559868e-221	9.48470355966755e-221	100	100
CLOCK-regulon	Activated	0.0177756049539532	
0.00227503585698379	43344964.5	0.530607976981645	
1.68912215585164e-06	2.35152300128365e-06	55.4313099041534	
50.9057887718976			
CREB1-regulon	Activated	0.0439780625454643	
0.00105033700306615	42571888.5	0.521144356532422	
0.00188501684287281	0.00228779821955504	100	
99.9931031311784			
CREB3-regulon	Activated		
0.236162543467567	-0.00379451563503488	41888336	
0.512776639235393	0.0603953584510415	0.0686091272003832	
100	100		
CREB3L2-regulon	Activated		
0.122996387577075	-0.00394404970098702	41313636.5	
0.505741447429725	0.398741450943733	0.416332985544192	
100	100		
CREB3L4-regulon	Activated		
0.0108892589098173	-0.000221242377143858	40530302.5	
0.496152253532913	0.491688489588395	0.50594032986632	
30.5644302449414	31.3807531380753		
CREB5-regulon	Activated	0.0551936085274399	
0.0167109192596535	57699203	0.70632558430826	
5.28413587637412e-202	4.68967059028203e-201	99.8935037273695	
99.6114763897191			
CREM-regulon	Activated	0.155234552482291	
0.00546101218668354	49282065	0.603287074122023	
4.72335805326702e-52	1.28984008377676e-51	100	100
CTCF-regulon	Activated		
0.361445373524502	-0.00980049638608332	32044556	
0.392273871453627	1.82842685569735e-56		
5.09091399037303e-56	100	100	
CUX1-regulon	Activated		
0.0683453848486769	-0.00871330263150961	28435156.5	
0.348089358006545	1.99048705856917e-110		
8.0756903519092e-110	100	100	
DDIT3-regulon	Activated	0.0974298942230949	
0.0130623867688133	55092057	0.674410170817593	
6.27507942571583e-145	3.30022695722832e-144	100	100
E2F1-regulon	Activated	0.41527431284209	-0.0233886124210815
31319513.5	0.383398253752967		
7.72594600016931e-66	2.43796518227565e-65	100	100
E2F2-regulon	Activated		
0.0495272455601046	-0.00458344365810631	33795814	
0.413711920262109	7.3905748767054e-37		
1.69268005240672e-36	100	100	
E2F3-regulon	Activated	0.0248268011384617	
0.00387174051199218	51701268	0.632901780802378	
5.67006041714376e-85	2.11881205061688e-84	100	100
E2F4-regulon	Activated	0.418412345176259	

0.0206077260724427	53888284	0.659674167140046		
8.5094944496894e-122	3.77608816204967e-121	100	100	
E2F6-regulon	Activated	0.0854968420534152		
0.0136610183308621	57427005	0.70299346876071		
1.34304586404819e-195	1.12183830996966e-194	100	100	
E2F7-regulon	Activated			
0.0302316933268387	-0.00035711397848185	40435057.5		
0.494986310560054	0.461179530057777	0.478010899767915		
100	100			
E2F8-regulon	Activated			
0.0695306705002889	-0.00549329411434434	35441722		
0.43386032560174	2.45023348575551e-22	4.90046697151102e-22	100	
100				
EGR1-regulon	Activated	0.0511347992905428		
0.00383031852564597	49997166.5	0.612040998934939		
6.26380781743759e-61	1.89246959590668e-60	100	100	
EGR2-regulon	Activated	0.0632183228894073		
0.0179117364758025	61623846.5	0.75436916150185		
6.37579262914455e-306	9.05362553338526e-305	100		
99.9954020874523				
EGR3-regulon	Activated	0.0593242589395023		
0.0186239136132887	63618907	0.778791721955463	0	0
100	99.9954020874523			
ELF1-regulon	Activated			
0.691134449677632	-0.0165971033328927	30793202		
0.37695540431247	4.18626726071662e-73	1.38244174656223e-72	100	
100				
ELF2-regulon	Activated			
0.0316981619578316	-0.000999256825570102	40339064.5		
0.493811210934943	0.363022442551117	0.381845828461175		
99.8935037273695	99.519518138765			
ELF4-regulon	Activated			
0.0175355866101296	-0.000950869407638989	38988456.5		
0.477277724592481	0.000838678948570836	0.00105391513891202		
98.2960596379127	98.3378546140052			
ELK1-regulon	Activated			
0.065378644018588	-0.000705527333793948	39574255.5		
0.484448791079521	0.0222718283585051	0.0259229477615387		
100	100			
ELK3-regulon	Activated			
0.0574172019745134	-0.0078115549904933	30329679		
0.371281181155257	7.96135365850284e-80			
2.89874928078821e-79	100	100		
ELK4-regulon	Activated	0.0504158886906491		
0.00565281116247896	46125137	0.564641496743439		
2.07672510000595e-21	3.98506708379519e-21	97.6038338658147		
96.6918019219274				
ESRRA-regulon	Activated	0.100648533006368		
0.00929761263421881	53993654	0.660964055439171		
9.68915997676309e-124	4.43826037645277e-123	100	100	

ETS1-regulon Activated
0.217706609122993 -0.0263217902565514 21922787
0.268368097518444 4.81021531691578e-254 5.692088125017e-253
100 100
ETV2-regulon Activated
0.0284306898171057 -0.00017873327595111 40743639.5
0.498763821342256 0.855824943688811 0.855824943688811
100 100
ETV3-regulon Activated 0.0143041216496818
0.00299919534781349 47802535.5 0.585175393470406
4.33907071934158e-36 9.78012765311911e-36 90.7348242811502
84.0728309347556
ETV5-regulon Activated
0.0330524360826381 -0.000428959675870526 39961317
0.489187009736557 0.111996921779761 0.125224904667135
100 100
ETV6-regulon Activated
0.456820152625032 -0.00287367681333139 37218795.5
0.455614395207281 6.85713359691804e-11
1.11921031122111e-10 100 100
ETV7-regulon Activated
0.0546225331907406 -0.00986169747093458 26222114
0.320998367912427 1.49419476610115e-152
8.48702627145453e-152 100 100
FLI1-regulon Activated
0.127386255722948 -0.0172595915067291 24762522
0.303130752440309 4.25489418773373e-184
3.02097487329095e-183 100 100
FOS-regulon Activated
0.0834198513787681 -0.0029810515740029 37568395
0.45989402227789 3.75285363534454e-09 5.73016361525725e-09 100
100
FOSB-regulon Activated 0.0431168168461675
0.00171428492976881 43166727 0.5284260801826
2.94037639839194e-05 4.01474469780438e-05 99.8935037273695
99.2988183364752
FOSL1-regulon Activated 0.0800514098839791
0.0200891430090245 61688154.5 0.755156388765209
8.34811266481193e-308 1.31714666489255e-306 100 100
FOX01-regulon Activated
0.0151194768139147 -0.00164561625059504 38988922
0.477283423017111 0.000406712523270511
0.000529845672517547 48.2428115015974 52.5196560761414
FOX03-regulon Activated
0.0176141979664484 -0.00222166387037508 39696635
0.485946901406016 0.0249902734261344 0.0288505595651307
45.2076677316294 46.8274403420847
GABPA-regulon Activated 0.027026844139647
0.00160535895529126 45301525 0.554559239157606
1.06557809999751e-15 1.89140112749557e-15 100 100

GTF2B-regulon	Activated	0.0818986744085045		
0.00296438225071007		44450992.5	0.544147433902069	
8.65553533715009e-11		1.39668865667649e-10	100	100
HINFP-regulon	Activated	0.0169572952200816		
0.000758126076717047		41616402.5	0.509447761568218	
0.154310578456234		0.16726795527317	64.0575079872204	
63.1983079681824				
HIVEP3-regulon	Activated	0.097560826928012		
0.0207308582457828		54176618	0.663203811752744	
3.75285535115237e-127		1.77635153287879e-126	99.7337593184239	
99.6919398593039				
H0XB2-regulon	Activated	0.037715959250703		
0.000639710766900267		42198396.5	0.516572249095609	
0.014645262593813		0.0171870023828219	85.7827476038339	
83.6406271552715				
IKZF1-regulon	Activated			
0.142111937320416		-0.00182784574091008	37055612.5	
0.453616788276312		9.27316803507534e-12		
1.53115100114035e-11		100	100	
IRF1-regulon	Activated			
0.1331898512155		-0.00234984692778456	39333575.5	
0.481502503560934		0.0065530719059396	0.0078859000901985	
100	100			
IRF2-regulon	Activated	0.0872564206242086		
0.00233253711307431		43983402.5	0.538423424508617	
1.62860117098913e-08		2.46022730085592e-08	100	100
IRF3-regulon	Activated			
0.138668363575549		-0.00707080844919553	29946738.5	
0.3665934097762		1.32227290055223e-85	5.07466896968695e-85	100
100				
IRF4-regulon	Activated	0.0630460032045203		
0.0048337083303709		49721487.5	0.608666270678181	
2.0136903167632e-57		5.83559234653826e-57	100	
99.9954020874523				
IRF5-regulon	Activated	0.069281976452826		
0.0231972987076649		54265152	0.664287601927128	
9.03515695987619e-130		4.58211531536578e-129	94.8349307774228	
79.8588440847855				
IRF7-regulon	Activated			
0.0997826357949905		-0.00839970224588014	30333702	
0.371330428764893		9.13305686334821e-80		
3.24223518648862e-79		100	100	
IRF8-regulon	Activated			
0.074539996242139		-0.0075452057154005	32041447.5	
0.392235818708275		1.67285775297316e-56		
4.75091601844377e-56		100	100	
IRF9-regulon	Activated			
0.0337073533469014		-0.000217885526767464	41083582.5	
0.502925238235771		0.667233767212025	0.676765678172196	
100	100			

JUN-regulon	Activated	0.092549856731376		
0.00432872873097362		46159039	0.565056508541075	
1.1557288606467e-21		2.279354141831e-21	100	100
JUNB-regulon	Activated	0.163841686637132		
0.0042344492168018		45015028	0.551052082205584	
6.2097519623585e-14		1.08862318352458e-13	100	100
JUND-regulon	Activated	0.0421441255525095		
0.00384559753950761		48425051.5	0.592795931616162	
2.3460037603949e-42		5.74366437889785e-42	100	100
KLF11-regulon	Activated			
0.0188775905533662		-0.00319096336320084	38996454	
0.477375626098339		0.000188577282720957		
0.000250261440620336		37.5399361022364	41.0018851441446	
KLF12-regulon	Activated			
0.0414917213917226		-0.00579786259406592	35042032	
0.428967514988877		1.62305648015668e-25		
3.38932382620954e-25		98.2960596379127	98.6160283231413	
KLF13-regulon	Activated			
0.0622839857137959		-0.00418116091186255	35163487	
0.430454308035951		1.58449724696965e-24		
3.26084940680711e-24		100	100	
KLF2-regulon	Activated			
0.0989998299982755		-0.0102737417520557	30382247.5	
0.371924699168473		4.76812568488204e-79		
1.65139962744695e-78		100	100	
KLF3-regulon	Activated			
0.0651017011280778		-0.0072266074732425	37246249	
0.455950467603789		9.52185597383298e-11		
1.51921746998234e-10		99.8935037273695	99.8620626235689	
KLF4-regulon	Activated	0.0162112248397282		
0.000324879162001496		41376268	0.506508151795358	
0.306103959985708		0.324378823268437	50.4259850905218	
49.7861970665318				
KLF6-regulon	Activated	0.0714591005028526		
0.00216899274558612		42574702.5	0.521178804151988	
0.0018529786615933		0.00226830146505387	100	100
KLF7-regulon	Activated	0.0495598808813143		
0.0037148931424759		44924335.5	0.549941868723868	
2.12865702931238e-13		3.64179877304046e-13	99.5740149094782	
97.4688491424893				
KLF8-regulon	Activated			
0.0214028467489597		-0.00386378960554287	37999648	
0.465173211787833		2.63733687715361e-07		
3.86084367583312e-07		76.6773162939297	77.6771345809003	
MAFB-regulon	Activated	0.0568119828119019		
0.00107350723337552		42919975.5	0.525405468313552	
0.000188410400405463		0.000250261440620336	100	
99.9977010437262				
MAFF-regulon	Activated			
0.0118473349202659		-0.00056290302572801	40738139	

0.498696486896121	0.81002603725495	0.815770902767396		
28.4877529286475	28.5484390086901			
MAFG-regulon	Activated	0.0383591266222019		
0.0135109590106561	49646538	0.607748775346727		
1.15894879954993e-60	3.42855686533521e-60	71.2460063897764		
58.0555427835763				
MAX-regulon	Activated			
0.197449272652884	-0.000230476152899478	39094252		
0.478572821655688	0.001636377214428	0.00203829442498926		
100	100			
MAZ-regulon	Activated			
0.132190123818292	-0.00429129536019204	36187865.5		
0.442994251483096	5.354059251272e-17			
9.62375207190662e-17	100	100		
MEF2A-regulon	Activated			
0.0387789075703292	-0.00206069473109018	37489418.5		
0.458927230370745	1.57169011024603e-09			
2.42586951798843e-09	100	99.9977010437262		
MLX-regulon	Activated			
0.0488271449369439	-0.00427525503674941	35730488		
0.437395258548359	3.52726173236845e-20			
6.50482033761454e-20	100	99.9885052186307		
MXD4-regulon	Activated			
0.0674454845520272	-0.0257910734965062	36877889.5		
0.451441189736069	9.17081153215123e-13			
1.55030385424461e-12	86.4217252396166	88.6983309577452		
MXI1-regulon	Activated	0.072320843473168		
0.00739745416385036	48607743.5	0.595032358238007		
2.45229196145457e-44	6.21831175940267e-44	100	100	
MYBL1-regulon	Activated			
0.017466725230504	-0.012959870564486	32682346		
0.400081386479718	3.33781986627958e-49			
8.77723001873519e-49	72.8966986155485	80.3692123775806		
MYC-regulon	Activated	0.356776915202617		
0.0437039542867505	62201929	0.761445766348382	0	0
100	100			
NFATC1-regulon	Activated	0.0875586073907065		
0.0386399780101956	62788936.5	0.768631626704735		0
0	99.2012779552716	94.6388339693779		
NFE2L1-regulon	Activated	0.228984307360897		
0.048316880567486	55997142	0.685489781249536		
1.1624505558319e-163	7.17686864904915e-163	99.9467518636848		
99.9356292243322				
NFE2L2-regulon	Activated	0.130452463586805		
0.0204169415202104	61877004	0.757468192507694	0	0
100	100			
NFKB1-regulon	Activated	0.102565322368217		
0.0478780806240203	69885765.5	0.855507556172267		0
0	100	99.9287323555106		
NFKB2-regulon	Activated	0.109374159000838		

0.037551739334129	71229722	0.871959618086318	0	0
100	100			
NFYA-regulon	Activated	0.0241415723205907		
0.00333102926393507	47908720.5	0.586475258603201		
5.20015599385355e-37	1.21052811660197e-36	99.7337593184239		
98.9861602832314				
NFYB-regulon	Activated			
0.103354367973859	-0.00549808064866812	38898668		
0.476178577439155	0.000463086371472151			
0.000597802406809504	100	100		
NFYC-regulon	Activated			
0.0791995786927037	-0.00452232799092103	34318241		
0.420107217542618	7.71187201632284e-32			
1.65922094896643e-31	100	100		
NR1H3-regulon	Activated			
0.00829763936265615	-0.000246970386209914	40399665		
0.49455305278624	0.270265403849575	0.288554040200298		
20.9797657082002	22.1527426548347			
NR2C2-regulon	Activated	0.0229344795002537		
0.00119788866167183	42828956	0.524291251856854		
0.000324009107756254	0.000426011975012853	79.5527156549521		
75.8241758241758				
NR3C1-regulon	Activated			
0.223307094074902	-0.00226420093275928	35690876		
0.436910347707466	1.81236130404655e-20	3.3862540154554e-20		
100	100			
NRF1-regulon	Activated			
0.0265691230558906	-0.000166952660188548	41658386.5		
0.509961709279621	0.143150004599075	0.157575974054796		
100	99.9655156558922			
PAX5-regulon	Activated			
0.092749227632403	-0.00784305603677896	30518569.5		
0.373593486799804	4.74419708124693e-77			
1.60399044175492e-76	100	100		
POU2F1-regulon	Activated	0.00572140382326439		
0.000877750880915879	42398274	0.519019052251236		
3.45096188746981e-05	4.66701512400679e-05	21.7784877529286		
18.1985378638098				
POU6F1-regulon	Activated			
0.0249839670777476	-0.00627799334762588	37131509.5		
0.454545882442002	8.84127831829937e-12			
1.47701355435119e-11	60.0638977635783	65.5823256241666		
REL-regulon	Activated	0.286621770018938		
0.0238989043227965	63122215.5	0.772711466150917		0
0	100	100		
RELA-regulon	Activated	0.0961540178191518		
0.00426612028270307	49246519	0.602851937275855		
1.24980713585049e-51	3.34853987341073e-51	100	100	
RELB-regulon	Activated	0.115670526351618		
0.0109396108759855	57228748.5	0.700566509098799		

5.34283519924145e-191	4.21490332384603e-190	100	100
REST-regulon	Activated		
0.215318331494598	-0.00344262217306118	33895730.5	
0.414935049466243	7.21063286472429e-36	1.5998591668607e-35	
100	100		
RFX5-regulon	Activated		
0.0599030366584162	-0.00568054133414616	35166291.5	
0.430488639361138	1.669155081208e-24		
3.38600030759337e-24	100	100	
RXRA-regulon	Activated	0.0202799330594858	
0.00599803820377144	48384120.5	0.592294874218692	
7.70292510079661e-44	1.91897432335635e-43	75.3993610223642	
63.7822428617408			
SETDB1-regulon	Activated		
0.0587749659025093	-0.000983255520312878	40049643	
0.49026825367609	0.152588000435805	0.166673046629879	
92.7582534611289	95.1515012184468		
SOX5-regulon	Activated	0.00920346994709279	
0.00146061776918862	41860037.5	0.512430222759804	
0.0124484923216702	0.0147307159139765	24.6006389776358	
22.4033288886845			
SP1-regulon	Activated	0.0150981130492121	
0.00219508858749111	43847509	0.536759882365909	
2.30830110969578e-08	3.45030271133474e-08	64.2172523961661	
59.6326267874385			
SP2-regulon	Activated	0.0284566244660685	
0.000225813264241703	41631761.5	0.509635778977218	
0.156700587028322	0.168571843621377	100	100
SP3-regulon	Activated		
0.0276009595719513	-0.000697821851121497	38921855	
0.476462421417439	0.000541123050635782		
0.000692247506218749	100	100	
SP4-regulon	Activated	0.00935284615438201	
0.000745788160713887	41520204	0.508270146312041	
0.129349200721127	0.14349676955	30.3514376996805	
28.9576532254357			
SPI1-regulon	Activated		
0.396682789280343	-0.0228039889039222	22975592	
0.281256024354932	8.61838801098459e-227		
8.74150783971294e-226	100	100	
SPIB-regulon	Activated	0.566015606611142	
0.00163192798713641	42333968	0.518231849470905	
0.00736887438309282	0.00879311060839647	100	100
SREBF1-regulon	Activated	0.0499320103889161	
0.00939079185702722	48920537.5	0.598861430275937	
7.73456489937214e-48	1.99692402856517e-47	97.8168264110756	
96.8550278173709			
SREBF2-regulon	Activated		
0.0952788187917446	-0.00386372520912667	33582095.5	
0.411095682315287	5.07885774701315e-39		

1.22236915267096e-38	100	100	
SRF-regulon	Activated		0.0244925949758523
0.0038841751855187	48028743.5		0.58794452180265
3.20879993981574e-38	7.59415985756392e-38		99.1480298189563
97.8826612717826			
STAT1-regulon	Activated		
0.0784054350529892	-0.00142192514545501		38130728
0.466777829404322	1.04505484154613e-06		1.4839778749955e-06
	100	100	
STAT2-regulon	Activated		
0.0631996106838971	-0.00316576720656135		37798822.5
0.462714803677214	4.24992181000303e-08		
6.28634267729615e-08	100	99.9609177433445	
STAT5A-regulon	Activated		0.0834972757265512
0.0124027671166473	56959446	0.697269838854183	
7.71524937039817e-185	5.76613373998179e-184	100	100
TBP-regulon	Activated		
0.0182560738695231	-0.00275939592847584		39222949.5
0.480148273865774	0.00180372483170516		0.00222720805306202
	46.9116080937167	50.0137937376431	
TCF12-regulon	Activated		
0.00878763620453667	-0.000267133086166773		40585895.5
0.496832796004331	0.541674420277284		0.553365235103412
	24.6006389776358	25.2471377994391	
TFDP1-regulon	Activated		
0.522509943267325	-0.00589743940327492		39728290
0.486334406522357	0.0445844723722771		0.0510564119101883
	100	100	
TFDP2-regulon	Activated		
0.0244901528779202	-0.00274667907039674		35653546
0.436453372000847	9.63189093188567e-21		
1.82363801643702e-20	100	99.9954020874523	
TFEC-regulon	Activated		0.101429485180837
0.0103148456474631	50727131	0.620976869366058	
9.90997156584515e-71	3.19821809625002e-70	100	100
THAP1-regulon	Activated		0.0394547425780819
0.00238848291936467	47405312.5	0.580312782671853	
3.70914263353272e-32	8.1030500609484e-32	100	100
THAP11-regulon	Activated		
0.176887856787648	-0.00165849410793933		37271165.5
0.456255483280026	1.28005144132691e-10		
2.01963671853801e-10	100	100	
TP53-regulon	Activated		0.105274722718269
0.00721671235640681	50145729.5	0.613859634935537	
7.2893592240268e-63	2.25019349959088e-62	100	100
USF2-regulon	Activated		
0.118467941708074	-0.00711263782483419		28271648
0.346087766462865	2.64112303405781e-113		
1.10305726716532e-112	100	100	
XBP1-regulon	Activated		

0.189259607059289	-0.00629061240878687	38207855.5		
0.467721986752626	2.09344416994875e-06			
2.88610749643419e-06	100 100			
YBX1-regulon	Activated	0.0957192218667629		
0.000558578035462123	43656974.5	0.53442745167283		
4.19014265598192e-07	6.07143119540238e-07	100 100		
YY1-regulon	Activated			
0.637217763076378	-0.00235086562703679	39884439		
0.488245906645923	0.0840593306054255	0.0947335313172256		
100 100				
YY2-regulon	Activated	0.0568571862592235		
0.00610792098271007	44933375.5	0.550052532007763		
1.84193021045367e-13	3.18968402298075e-13	93.1309904153355		
90.4179502505862				
ZBTB33-regulon	Activated			
0.359546250907185	-0.00655088783544988	34704971		
0.424841378137861	2.27330161498174e-28			
4.81804222876727e-28	100 100			
ZNF143-regulon	Activated	0.0251831686475474		
0.00193241048383334	45892028	0.561787889725115		
1.07069890414353e-19	1.94922108190232e-19	100		
99.9931031311784				
ZNF274-regulon	Activated	0.0671588580662753		
0.00189578930021538	44395599.5	0.543469339733393		
1.66889039456349e-10	2.60420259371446e-10	100 100		
ZNF76-regulon	Activated	0.0153758829808857		
0.000854126506457418	43581646	0.533505316807682		
8.45432670245764e-07	1.21264079974645e-06	99.6272630457934		
99.4528484068233				
ATF1-regulon	Activated Chemokine	0.134621820018288		
0.0290943484519726	42752092	0.885654670828108	0	0
100 100				
ATF3-regulon	Activated Chemokine	0.0855995664622852		
0.0354288396067979	44198787.5	0.915624493751416		0
0 100 100				
ATF4-regulon	Activated Chemokine	0.143052994488331		
0.0351456023695265	41874382	0.867471982571998	0	0
100 100				
ATF5-regulon	Activated Chemokine	0.141985315860068		
0.024131550584132	34141568.5	0.707278596130987		
2.71863076396726e-121	5.36174400671321e-121	100		
99.9977419500519				
ATF6-regulon	Activated Chemokine			
0.135042948327873	-0.00140474119571918	28036517.5		
0.580806026466003	6.86040605028125e-20	9.2778824679994e-20		
100 100				
ATF6B-regulon	Activated Chemokine			
0.0542706701222256	-0.00310031555126004	21018226.609375		
0.435414729391876	2.92761204063209e-13			
3.64667464710313e-13	100 99.9187102018697			

BACH1-regulon	Activated Chemokine	0.0511839040496024		
0.00809553512340592	29660890.5	0.614456626175066		
2.97630662612162e-38	4.35706743205433e-38	100		
99.5529061102832				
BATF-regulon	Activated Chemokine	0.112234269792366		
0.0952284475133916	45667750.5	0.946055611419849		0
0	98.4403669724771	50.5667705369643		
BATF3-regulon	Activated Chemokine	0.152870322440903		
0.071422380882002	43890393.5	0.90923578681854		0
100	100			
BCL11A-regulon	Activated Chemokine			
0.165252519467043	-0.0402138086137048	5796177		
0.120073919025915	0	0	100	100
BHLHE40-regulon	Activated Chemokine	0.0766892812503233		
0.0215559103896964	39085385.5	0.809694978884126		
3.109608222725e-268	1.05134373244512e-267	100	100	
BRF2-regulon	Activated Chemokine	0.0562345718393626		
0.0149821298993476	36090212	0.747646801213298		
2.82423049890515e-172	6.91449535938848e-172	100		
99.722259856388				
CEBPB-regulon	Activated Chemokine	0.182183880609407		
0.0400540173981899	43473685.5	0.900603241151034		0
0	100	100		
CEBPG-regulon	Activated Chemokine	0.115936337635515		
0.0490539538974721	42810005.5	0.886854410054413		0
0	100	100		
CLOCK-regulon	Activated Chemokine	0.017798935215093		
0.00225845964044082	25752027	0.533480396604722		
5.68441906727381e-05	6.16173669887696e-05	55.6880733944954		
50.9799936774601				
CREB1-regulon	Activated Chemokine			
0.0306982722466979	-0.0125749944821716	12859424.5		
0.266396539673109	1.62314214755906e-153			
3.77846204841617e-153	100	99.9932258501558		
CREB3-regulon	Activated Chemokine	0.246305964985769		
0.00666608078664127	33214700	0.688077537706327		
3.30634778761677e-100	5.94305551698205e-100	100	100	
CREB3L2-regulon	Activated Chemokine			
0.120834112907937	-0.0060893656975184	21254875		
0.440317150365825	1.54891869498878e-11			
1.86395300583396e-11	100	100		
CREB3L4-regulon	Activated Chemokine			
0.00801021209876415	-0.00316721377002557	22648773.5		
0.469193227756033	2.3151398152148e-05			
2.52884502892694e-05	26.1467889908257	31.474958226076		
CREB5-regulon	Activated Chemokine	0.0994612340940955		
0.0617707479489901	45254998	0.937505008106192		0
100	99.6138734588809			
CREM-regulon	Activated Chemokine	0.163232256864617		
0.0135583918653484	36499604	0.756127788225575		

3.91709115298402e-184	1.03004989578469e-183	100	100	
CTCF-regulon	Activated Chemokine			
0.353790167829334	-0.0174697332210133	13714874.5		
0.284118088554504	2.11386110966356e-131			
4.4801235458541e-131	100	100		
CUX1-regulon	Activated Chemokine			
0.0548476117736833	-0.022388253373895	6307072		
0.130657647725149	0	0	100	100
DDIT3-regulon	Activated Chemokine	0.115675348151254		
0.0315244866800791	40199849.5	0.83278227592376	0	0
100	100			
E2F1-regulon	Activated Chemokine	0.451904967309995		
0.0145597867055828	31845687.5	0.659717000050133		
8.54959220110562e-73	1.42828481477294e-72	100	100	
E2F2-regulon	Activated Chemokine			
0.0465026998457231	-0.00760087654283702	14876598.5		
0.308184426333088	3.7536270038921e-104			
7.0133557177984e-104	100	100		
E2F3-regulon	Activated Chemokine	0.0222341521472386		
0.00114638775606057	26412363.5	0.54715996357289		
9.91100381737485e-08	1.15357585415347e-07	100	100	
E2F4-regulon	Activated Chemokine	0.496968018570164		
0.100730187974098	43931755	0.910092633909613	0	0
100	100			
E2F6-regulon	Activated Chemokine	0.138993177001454		
0.0682309684766749	44765767.5	0.927370082371176		0
0	100	100		
E2F7-regulon	Activated Chemokine			
0.0211948154299558	-0.0096100599576607	10100644		
0.209245492290106	1.11024991367138e-236			
3.42729321176817e-236	100	100		
E2F8-regulon	Activated Chemokine	0.0769434591719516		
0.00219968819445462	30965485	0.641482677028009		
1.6162786744635e-57	2.52210518432766e-57	100	100	
EGR1-regulon	Activated Chemokine	0.0481931606747768		
0.00074812359209573	24116524.5	0.499599237566328		
0.963885078129431	0.963885078129431	100	100	
EGR2-regulon	Activated Chemokine	0.077569427192542		
0.0322973495480173	41641208	0.862641537263832	0	0
100	99.9954839001039			
EGR3-regulon	Activated Chemokine	0.076272964645415		
0.0356583901111485	43626963	0.903778546205295	0	0
100	99.9954839001039			
ELF1-regulon	Activated Chemokine			
0.67342207241756	-0.0344501113518308	10476525.5		
0.217032273955735	2.76027304564098e-224			
8.16580776002125e-224	100	100		
ELF2-regulon	Activated Chemokine			
0.019813443978972	-0.0131587101207465	13407405		
0.277748533614077	3.77238087818007e-139			

8.50282674129476e-139	98.5321100917431	99.5596802601274	
ELF4-regulon	Activated	Chemokine	
0.00993472525102016	-0.00872188959319946	12390526	
0.256682812759598	2.2396253146776e-166		
5.39028465566473e-166	92.8440366972477	98.4713001851601	
ELK1-regulon	Activated	Chemokine	0.0742363039371977
0.0083826976584353	31856297.5	0.659936797389114	
5.45235783349812e-73	9.21708109948491e-73	100	100
ELK3-regulon	Activated	Chemokine	
0.0388667920299352	-0.0266795470492178	6379214	
0.132152145333895	0	0	100
ELK4-regulon	Activated	Chemokine	0.0460516462131142
0.00108056978017621	24852379	0.514843239543468	
0.0935257386240356	0.0955442797454176	97.9816513761468	
96.6987309759292			
ESRRA-regulon	Activated	Chemokine	0.146961996991936
0.0565855416197526	43890031.5	0.909228287606786	0
0	100	100	
ETS1-regulon	Activated	Chemokine	
0.192836396862672	-0.0513357716683338	6266805	
0.129823474355803	0	0	100
ETV2-regulon	Activated	Chemokine	
0.0212480060554418	-0.00753502231871423	13510038.5	
0.279874694800726	1.54179294514279e-136		
3.42085309703556e-136	100	100	
ETV3-regulon	Activated	Chemokine	0.0140719072790281
0.00270789956095395	27933956.5	0.57868136719331	
5.24918771321079e-19	6.96621173155077e-19	91.3761467889908	
84.1755859639615			
ETV5-regulon	Activated	Chemokine	
0.0302136451277632	-0.00332998840151338	18670385	
0.38677671449175	1.80604142863881e-37	2.6169171721093e-37	100
100			
ETV6-regulon	Activated	Chemokine	
0.455647168208499	-0.00402439901799412	19971587.5	
0.413732496487593	1.90192317526199e-22		
2.59685664314618e-22	100	100	
ETV7-regulon	Activated	Chemokine	
0.0429407456715799	-0.0216555323817945	6114326.5	
0.126664721429143	0	0	100
FLI1-regulon	Activated	Chemokine	
0.100064456465498	-0.0449467478314987	6110084	
0.126576833567632	0	0	100
FOS-regulon	Activated	Chemokine	
0.0680430694136747	-0.0186832552006064	9965529	
0.206446442576961	3.21849934421382e-241		
1.01561534861858e-240	100	100	
FOSB-regulon	Activated	Chemokine	
0.0315977030165401	-0.0101188489197058	17429972.5	
0.361080261453182	1.61614663297453e-55		

2.46766475142348e-55	99.2660550458716	99.3248430655286		
FOSL1-regulon	Activated Chemokine	0.134073981251242		
0.0750839032869862	46090237	0.954807864808685	0	0
100	100			
FOX01-regulon	Activated Chemokine			
0.00688204796604814	-0.0100565096660158	17797921.5		
0.368702713015939	1.31041706017838e-55			
2.02260024505794e-55	30.8256880733945	52.8722395339385		
FOX03-regulon	Activated Chemokine			
0.0121637610604061	-0.00776671995850038	20866989		
0.432281682823118	1.01315560113014e-16			
1.33211199407852e-16	36.5137614678899	47.0125999187102		
GABPA-regulon	Activated Chemokine			
0.0193512422248321	-0.00628772543578963	14283924		
0.295906549049195	1.18344315672396e-117			
2.30204011307948e-117	100	100		
GTF2B-regulon	Activated Chemokine	0.0936634903052057		
0.0149660160156731	34470012.5	0.71408265995798		
2.97269244928321e-129	6.20768129115023e-129	100	100	
HINFP-regulon	Activated Chemokine			
0.0125866293082585	-0.00373360358419918	21670088		
0.44891872553175	3.21181693183963e-09	3.76923970513411e-09		
58.4403669724771	63.3518493429075			
HIVEP3-regulon	Activated Chemokine	0.109130141258613		
0.032216052003803	35390939	0.733160623586388		
6.08330572999438e-153	1.39327324783742e-152	99.8165137614679		
99.6906471571151				
HOXB2-regulon	Activated Chemokine			
0.0282040826185365	-0.00911766190494869	20767082		
0.430212003959252	2.74452557982439e-15	3.5110147057213e-15		
83.1192660550459	83.7442984238811			
IKZF1-regulon	Activated Chemokine			
0.141443034322317	-0.00248068862574777	20794322		
0.430776309285723	5.23183540683764e-15			
6.63321989081201e-15	100	100		
IRF1-regulon	Activated Chemokine			
0.112431367426499	-0.0235774421278614	9502831.5		
0.196861175917835	4.35924793809482e-257			
1.43956559816154e-256	100	100		
IRF2-regulon	Activated Chemokine			
0.0757924741205907	-0.0094550724202606	16718065		
0.346332346834815	1.59838282901127e-67			
2.57920865590455e-67	100	100		
IRF3-regulon	Activated Chemokine			
0.130260322056068	-0.0155599809852115	11044297		
0.228794259332686	3.37074799208904e-206			
9.57292429753288e-206	100	100		
IRF4-regulon	Activated Chemokine	0.074382103888998		
0.0163628132956992	37390053.5	0.774574388658872		
2.66637034291918e-211	7.72703242233722e-211	100		

99.9954839001039
 IRF5-regulon Activated Chemokine 0.054651638930039
 0.00779410883240807 27583843.5 0.571428407179853
 5.47356326358845e-16 7.06587257663237e-16 91.8348623853211
 80.1991600054193
 IRF7-regulon Activated Chemokine
 0.0815278361408023 -0.0269543430745549 7115592.5
 0.14740700252363 0 0 100 100
 IRF8-regulon Activated Chemokine
 0.062171553359975 -0.0200838148044431 9932033
 0.205752537613104 2.37679925479184e-242
 7.67057941319185e-242 100 100
 IRF9-regulon Activated Chemokine
 0.0255584990193618 -0.00856342859164902 13992806
 0.28987573267506 1.36741584076887e-124 2.73483168153773e-124 100
 100
 JUN-regulon Activated Chemokine
 0.0772447345513765 -0.0114301174569789 13908517.5
 0.288129607509487 1.22960187208489e-126
 2.53048501211674e-126 100 100
 JUNB-regulon Activated Chemokine
 0.153156546141079 -0.00678902730245365 19171272.5
 0.397153127274882 3.25714500037659e-31
 4.57935237676709e-31 100 100
 JUND-regulon Activated Chemokine
 0.0363559394587748 -0.00215347808372406 21245598.5
 0.440124977885612 1.33351845409116e-11
 1.61845829470893e-11 100 100
 KLF11-regulon Activated Chemokine
 0.013506160190834 -0.00863782117379691 21493541.5
 0.445261378603713 3.79938019981524e-12
 33.302752293578 41.0445739059748
 KLF12-regulon Activated Chemokine
 0.0243230120290333 -0.0232859771295233 10302796.5
 0.213433294511447 5.66158431997208e-230
 1.71052122007667e-229 92.1100917431193 98.7625886284605
 KLF13-regulon Activated Chemokine
 0.0519230500186359 -0.0147227104603663 8942224
 0.185247600355819 5.3884549623111e-277
 1.91290151162044e-276 100 100
 KLF2-regulon Activated Chemokine
 0.0763096570839817 -0.0333395769518565 6767228
 0.140190264531587 0 0 100 100
 KLF3-regulon Activated Chemokine
 0.0431223661829778 -0.029618328012012 11856297
 0.245615695643041 1.1565978171791e-181
 2.93280160784701e-181 99.2660550458716 99.8780653028045
 KLF4-regulon Activated Chemokine
 0.0118447012767195 -0.00415489724532231 22412851
 0.464305844371883 1.5973459680094e-05

1.77205568326043e-05	46.2385321100917	49.9006458022851	
KLF6-regulon	Activated Chemokine		
0.0489382843852774	-0.0209447162919114	12512833.5	
0.259216541603845	5.6959128394163e-163		
1.34803270532852e-162	100	100	
KLF7-regulon	Activated Chemokine		
0.0365306092419973	-0.00970116533428697	18859219.5	
0.390688620298336	4.83549160576084e-35		
6.93575563654586e-35	98.4403669724771	97.5342094567132	
KLF8-regulon	Activated Chemokine		
0.0106093057469204	-0.0148542391900473	15024029	
0.311238604616283	4.82701370800994e-102		
8.78764034022323e-102	58.6238532110092	78.1036896536151	
MAFB-regulon	Activated Chemokine		
0.0502144661104132	-0.0057054938402517	18401291.5	
0.381202158861479	4.47431953327875e-41		
6.61826430964148e-41	100	99.9977419500519	
MAFF-regulon	Activated Chemokine		
0.00700724941399277	-0.00551210034199902	21966053.5	
0.455049962980411	1.86121090341323e-10		
2.22094074188805e-10	20.9174311926606	28.7336855891252	
MAFG-regulon	Activated Chemokine	0.0347960025101	
0.00961973028349333	28690546.5	0.594354926919974	
1.95584587547489e-28	2.6964088768683e-28	73.1192660550459	
58.2441403603848			
MAX-regulon	Activated Chemokine		
0.19574306425941	-0.001974578055393	20307576	0.420692852588285
	3.23255429453123e-19	4.33040292286259e-19	100
			100
MAZ-regulon	Activated Chemokine	0.141010152516692	
0.00482217532947141	31058573.5	0.643411103473792	
4.78360874071561e-59	7.54747156868462e-59	100	100
MEF2A-regulon	Activated Chemokine		
0.0235399083255473	-0.0176381007348638	8567505.5	
0.177484911461654	1.01876729181299e-290		
3.70935783172935e-290	100	99.9977419500519	
MLX-regulon	Activated Chemokine		
0.0488532415779865	-0.00417244461917029	21477827.5	
0.444935846522209	4.92738244024689e-10		
5.83073588762548e-10	100	99.9887097502597	
MXD4-regulon	Activated Chemokine		
0.0820539718226196	-0.0103641195086625	25442114.5	
0.527060232342982	0.00221593295103984	0.00236588330111021	
	93.1192660550459	88.4929774646615	
MXI1-regulon	Activated Chemokine		
0.0540671551949068	-0.0114371335883849	17045360	
0.353112607915107	7.44789105258448e-62		
1.18831520164831e-61	100	100	
MYBL1-regulon	Activated Chemokine		
0.0102020302460963	-0.0201727690337013	13991146	
0.289841344024475	1.30500032353736e-125		

2.64728637060436e-125	57.9816513761468	80.6033509461229		
MYC-regulon	Activated Chemokine	0.465864781854003		
0.154699129312613	45626374.5	0.945198463945986		0
0	100	100		
NFATC1-regulon	Activated Chemokine	0.114186113035978		
0.0652353217641544	42212202.5	0.87447029048466	0	0
100	94.7003567718918			
NFE2L1-regulon	Activated Chemokine	0.319062654513512		
0.139752579851908	42733053.5	0.885260268223188		0
0	100	99.9345165515061		
NFE2L2-regulon	Activated Chemokine	0.165488461725779		
0.0559519842342995	45474679.5	0.94205594204808	0	0
100	100			
NFKB1-regulon	Activated Chemokine	0.114074382798328		
0.0588184951691351	43549901	0.902182125608068	0	0
100	99.93000045161			
NFKB2-regulon	Activated Chemokine	0.102564440964836		
0.0299062410683808	40159367.5	0.831943648602681		
7.77486287080266e-308	2.9838662909567e-307	100	100	
NFYA-regulon	Activated Chemokine			
0.0193049450999793	-0.00168391107437605	21980539		
0.455350045388876	4.54095104729324e-07			
5.15852038972512e-07	99.4495412844037	99.0064580228515		
NFYB-regulon	Activated Chemokine	0.114681930752429		
0.00620611427052872	33348893.5	0.690857497575186		
3.91665466376821e-103	7.22292158772839e-103	100	100	
NFYC-regulon	Activated Chemokine			
0.083332565401795	-0.000207149393428044	25520011.5		
0.528673950845774	0.00119649897390842	0.00128714283556815		
100	100			
NR1H3-regulon	Activated Chemokine			
0.00398929922331403	-0.00465695614917009	21878451		
0.453235184809994	3.43978227211362e-13			
4.24738332730551e-13	13.5779816513761	22.3140495867769		
NR2C2-regulon	Activated Chemokine			
0.0112386675614195	-0.0108071038597105	16533120		
0.342501016122477	8.29429626243763e-72			
1.36952333635598e-71	57.9816513761468	76.4214424423068		
NR3C1-regulon	Activated Chemokine			
0.202424774802416	-0.0236202034837524	7469512.5		
0.154738828556833	0	0	100	100
NRF1-regulon	Activated Chemokine			
0.0260733780158601	-0.000671928685121871	24353079		
0.504499713496965	0.611174861411469	0.615509434896656		
100	99.966129250779			
PAX5-regulon	Activated Chemokine			
0.0727419638078563	-0.0282031986359221	7274494		
0.15069881466879	0	0	100	100
POU2F1-regulon	Activated Chemokine			
0.00256230367941107	-0.00237472158942802	22761667		

0.471531935662564	1.88606519990096e-06		
2.10882880618848e-06	13.1192660550459	18.4753646750666	
POU6F1-regulon	Activated Chemokine		
0.0131881011774799	-0.0182524808229593	16393377	
0.339606092508785	1.68217199272936e-76		
2.87793280683818e-76	43.2110091743119	65.8989296843246	
REL-regulon	Activated Chemokine	0.321311786284839	
0.0590174935264992	45772523	0.948226084247222	0
100	100		0
RELA-regulon	Activated Chemokine		
0.0855427829805686	-0.0066821950950308	15589593	
0.322954859302772	5.14723246739847e-89		
8.91350012647052e-89	100	100	
RELB-regulon	Activated Chemokine	0.128310526552144	
0.0236960629314615	41664315.5	0.863120233494794	0
0	100	100	
REST-regulon	Activated Chemokine		
0.202966755668602	-0.0160369481092035	9020858.5	
0.186876596948857	3.70624473132868e-274		
1.28362622402115e-273	100	100	
RFX5-regulon	Activated Chemokine		
0.0536715000941009	-0.0119643767803608	14516167.5	
0.300717718068584	2.90476860082419e-112		
5.57401542320318e-112	100	100	
RXRA-regulon	Activated Chemokine	0.0336073304880645	
0.0195467337647753	36733383	0.760970766746755	
4.0201516523832e-200	1.11933634242826e-199	90.8256880733945	
63.6092670369869			
SETDB1-regulon	Activated Chemokine	0.0658326973100108	
0.00626568151840808	27648048	0.572758471105454	
2.01655024936091e-16	2.62706546247017e-16	97.9816513761468	
94.9803549654518			
SOX5-regulon	Activated Chemokine		
0.00529372671357056	-0.00257134438062002	22525975	
0.466649327328992	2.54326470328403e-07		
2.93612673062059e-07	16.1467889908257	22.6504990290385	
SP1-regulon	Activated Chemokine	0.0140827584391982	
0.00111568515094381	24882842.5	0.515474323071843	
0.0706110029771499	0.072657698715618	62.0183486238532	
59.7683240753286			
SP2-regulon	Activated Chemokine		
0.0275217334344335	-0.000736105994749627	23122641.5	
0.479009903102726	0.01771334402252	0.018494815082337	100
100			
SP3-regulon	Activated Chemokine		
0.0178497461055524	-0.0106766227957232	8308772.5	
0.172124984514749	2.17584619727447e-300		
8.13079368455198e-300	100	100	
SP4-regulon	Activated Chemokine	0.0095017807040875	
0.00088511826631823	24972643	0.517334635130203	

0.0145352988899057	0.0152889810545675	32.3853211009174
28.9323939845549		
SPI1-regulon	Activated Chemokine	
0.371020478921496	-0.0486921578870497	7354159
0.152349159156061	0 0	100 100
SPIB-regulon	Activated Chemokine	0.591894424559912
0.0281186570660672	36834152.5	0.763058313207686
4.04676296218803e-194	1.10507757813596e-193	100 100
SREBF1-regulon	Activated Chemokine	0.0489114541737106
0.00817802252124377	29183769 0.604572551144831	
3.25519865297483e-32	4.62238208722426e-32	98.6238532110092
96.8522783723976		
SREBF2-regulon	Activated Chemokine	
0.0858048457151089	-0.0135021298259498	11493294.5
0.238095716044211	1.94243957485848e-192	
5.20427206848875e-192	100 100	
SRF-regulon	Activated Chemokine	
0.0186942228231885	-0.0021260236322897	22041143
0.45660552116	9.44185286314365e-07	1.06408183060825e-06
98.8990825688073	97.91130379804	
STAT1-regulon	Activated Chemokine	
0.0690630312930436	-0.0109689701708959	12108167
0.250833448307436	2.26634034067287e-174	
5.64597067325522e-174	100 100	
STAT2-regulon	Activated Chemokine	
0.0461293524935018	-0.020599841430664	11847569
0.245434885918759	6.42355884235869e-182	
1.65844610111806e-181	100 99.9616131508829	
STAT5A-regulon	Activated Chemokine	0.107371222731043
0.036643629664358	42548551.5	0.881438114723024
0	100 100	0
TBP-regulon	Activated Chemokine	
0.0179479561725272	-0.00302599811939958	22431571
0.464693648913422	1.9847554239067e-05	
2.18476953639342e-05	43.4862385321101	50.0429029490132
TCF12-regulon	Activated Chemokine	
0.00533665187505766	-0.00379830239616407	22475681.5
0.465607444438506	3.50035488627164e-07	
4.00847091814978e-07	19.5412844036697	25.3601589667163
TFDP1-regulon	Activated Chemokine	0.551086236168037
0.0234871301878486	34569044 0.716134201916069	
1.05303154988824e-131	2.26561333460803e-131	100 100
TFDP2-regulon	Activated Chemokine	
0.0210058675661015	-0.00626784935449581	15417833
0.319396669769932	1.49754818149531e-92	
2.62533137990536e-92	100 99.9954839001039	
TFEC-regulon	Activated Chemokine	0.100454522722095
0.00913235016586424	30667776.5	0.635315331496234
9.11626594885523e-53	1.36264185761836e-52	100 100
THAP1-regulon	Activated Chemokine	0.0372521001316256

8.91280850861612e-05	24389506.5	0.505254347574792	
0.552740113994476	0.560636401337254	100	100
THAP11-regulon	Activated Chemokine	0.179495461598913	
0.00104280131889944	25138243	0.520765213766896	
0.0189685729210634	0.0196608566043139	100	100
TP53-regulon	Activated Chemokine	0.129760876204049	
0.0321771271880439	41432494.5	0.858317817008461	0
0	100	100	
USF2-regulon	Activated Chemokine		
0.103402593171441	-0.0224222276860152	6721470	
0.139242339306601	0	0	100
XBP1-regulon	Activated Chemokine		
0.181137407268426	-0.0145007902332031	14863753	
0.307918318254117	1.95286056246702e-104		
3.69741599827088e-104	100	100	
YBX1-regulon	Activated Chemokine	0.0967403518691899	
0.00159490182849339	27463305.5	0.568931335394166	
6.79826530086367e-15	8.54295285595258e-15	100	100
YY1-regulon	Activated Chemokine	0.663217421722516	
0.0243305459441425	33074946	0.685182386216034	
3.32351633624377e-97	5.8992414968327e-97	100	100
YY2-regulon	Activated Chemokine		
0.033470990162198	-0.0179625544685162	16557244.5	
0.343000780580936	1.8497666009142e-70		
3.01915927965306e-70	82.2018348623853	90.7352210630899	
ZBTB33-regulon	Activated Chemokine	0.365877954652536	
5.32193036772433e-05	22836055.5	0.4730729718879	
0.00234747910846377	0.00248762711493922	100	100
ZNF143-regulon	Activated Chemokine		
0.0171032697001461	-0.00638074116902623	13541523.5	
0.280526939778844	9.64100080584629e-136		
2.10618786835411e-135	100	99.9932258501558	
ZNF274-regulon	Activated Chemokine		
0.0600095346133211	-0.0054632312247772	19296146.5	
0.399740023873181	9.55405520628247e-30		
1.33007435224717e-29	100	100	
ZNF76-regulon	Activated Chemokine		
0.0110399926768242	-0.00360367980082213	17480406.5	
0.362125054949335	1.03128916251632e-54		
1.55790490507785e-54	98.7155963302752	99.478390461997	
ATF1-regulon	Activated NME1	0.125560304367744	
0.021461872969762	156920744.5	0.853267789968554	0
0	100	100	
ATF3-regulon	Activated NME1	0.0673125520358079	
0.0180837640778633	146192473.5	0.794932047836297	0
0	100	100	
ATF4-regulon	Activated NME1	0.132435097715441	
0.0262901010976888	149416627	0.812463613469829	0
0	100	100	
ATF5-regulon	Activated NME1	0.138915290986944	

0.0227361205696601	126061245.5	0.685467053391837	0
0	100	99.9975536365193	
ATF6-regulon	Activated NME1		
0.13402365912673	-0.00265336583860609	102607122	
0.557933576615001	2.22782662866752e-37		
2.82456590420347e-37	100	100	
ATF6B-regulon	Activated NME1		
0.0543039480388969	-0.00332193056624079	82519289.2597656	
0.448704547004338	1.13026248128184e-29		
1.33747726951685e-29	100	99.9119309146953	
BACH1-regulon	Activated NME1	0.0453110009091249	
0.00225138869224373	98889241	0.537717332329746	
8.95714880993797e-17	1.03407734228552e-16	99.9333185152256	
99.5229591212662			
BATF-regulon	Activated NME1	0.0297817756494759	
0.011642797963409	115782260	0.629574333352494	
4.16900187846297e-202	7.04759841359216e-202	70.5712380529006	
49.6416077500795			
BATF3-regulon	Activated NME1	0.138082012545245	
0.060962820410377	168422975	0.915811992328261	0
0	100	100	
BCL11A-regulon	Activated NME1		
0.175095202557603	-0.0326415133289934	25948597	
0.141097355136335	0	0	100
BHLHE40-regulon	Activated NME1	0.0635444099144618	
0.0087619777816877	117686945.5	0.639931197209778	
4.21491545991816e-209	7.2110601844383e-209	100	100
BRF2-regulon	Activated NME1	0.0549484006427983	
0.0148038579276171	138318147	0.752114833378423	0
0	100	99.6990972918756	
CEBPB-regulon	Activated NME1	0.172415111854923	
0.0325504455682356	163053385	0.886614462027624	0
0	100	100	
CEBPG-regulon	Activated NME1	0.10003425288193	0.0354925851829828
153276291	0.83345081297487	0	0
		100	100
CLOCK-regulon	Activated NME1	0.0214136809416	0.00645939882385069
107537590.5	0.58474335230087	5.17213585710454e-88	
6.92871029914004e-88	62.3249611024672	49.8568877363799	
CREB1-regulon	Activated NME1		
0.0314563221185427	-0.012782223124315	48168057	
0.26191726068104	0	99.9777728384085	99.9951072730386
CREB3-regulon	Activated NME1	0.248606123569203	
0.00977532719130753	136691646.5	0.743270620387719	0
0	100	100	
CREB3L2-regulon	Activated NME1		
0.122463229189436	-0.0047887776967536	89782625.5	
0.488199458153599	0.00925769825682471	0.0095955704559789	
100	100		
CREB3L4-regulon	Activated NME1		
0.00799194684792451	-0.00345162397048344	86537616	

0.47055448652595	2.89116042148142e-15	3.31084499879324e-15		
27.3394087575017	31.7880470680334			
CREB5-regulon	Activated NME1	0.0606771924482186		
0.0238695273612463	143048127.5	0.777834441201398		0
0	100	99.5816718448027		
CREM-regulon	Activated NME1	0.160118160410013		
0.0112322749082542	131892044	0.717172437952047		0
0	100	100		
CTCF-regulon	Activated NME1			
0.367551057630833	-0.00365120898776761	87471379		
0.47563188973292	7.70385876439825e-08	8.16379063092949e-08		100
100				
CUX1-regulon	Activated NME1			
0.0592464930622106	-0.0193723255514861	29111489.5		
0.158295809693649	0	0	100	100
DDIT3-regulon	Activated NME1	0.102935270665034		
0.0200112449812679	134135448	0.729371107918761		0
0	100	100		
E2F1-regulon	Activated NME1	0.46427414545475	0.0295045757159242	
139157910.5	0.75668110757005	0	0	100
				100
E2F2-regulon	Activated NME1			
0.0492451347428163	-0.00519049080621324	72475513		
0.394090794059081	1.18943920780746e-120			
1.74124090215113e-120	100	100		
E2F3-regulon	Activated NME1	0.0218497291816754		
0.000815259233297554	98170380	0.533808474143284		
8.93062841742104e-14	1.00646764704269e-13	100	100	
E2F4-regulon	Activated NME1	0.481203175197123		
0.0916307843463519	170976624.5	0.929697644427109		0
0	100	100		
E2F6-regulon	Activated NME1	0.121593549838473		
0.0546065314922971	171108525.5	0.930414865563953		0
0	100	100		
E2F7-regulon	Activated NME1			
0.0232551032303709	-0.00812445864552989	46018602.5		
0.250229447851086	0	0	100	100
E2F8-regulon	Activated NME1	0.0792306930286648		
0.00492210570398595	131072726.5	0.712717340350164		0
0	100	100		
EGR1-regulon	Activated NME1			
0.0397946147189648	-0.00851239131764498	46518345.5		
0.252946836215008	0	0	100	100
EGR2-regulon	Activated NME1			
0.0447954513976569	-0.00139030514923336	89808042.5		
0.488337664911964	0.0101139362155182	0.0104070937869825		
100	99.9951072730386			
EGR3-regulon	Activated NME1	0.0434948626963249		
0.00224645425105589	102461653	0.55714257850615		
2.06571931650691e-36	2.55071428646941e-36	100		
99.9951072730386				

ELF1-regulon Activated NME1 0.69501593111025 -0.0133526114755896
 73662748 0.400546469424701 1.26917604460216e-106
 1.76689214052457e-106 100 100
 ELF2-regulon Activated NME1
 0.0185836030137128 -0.0156213004879757 43499426.5
 0.236531247878158 0 0 98.4885530117804
 99.6501700222619
 ELF4-regulon Activated NME1
 0.0116615329213865 -0.00753240153812388 53896269
 0.293064823798237 0 0 95.7768392976217
 98.6178046334124
 ELK1-regulon Activated NME1 0.0710593533708843
 0.00555517380444821 112480778.5 0.61162229117921
 8.47113454074302e-134 1.2662116892479e-133 100 100
 ELK3-regulon Activated NME1
 0.044727844263274 -0.0223983979861946 28808402.5
 0.156647752418098 0 0 100 100
 ELK4-regulon Activated NME1
 0.0394516145483027 -0.00615575809226711 81369746.5
 0.442453825895253 6.63714595908607e-37
 8.26732215956336e-37 96.8659702156035 96.7145338454388
 ESRRA-regulon Activated NME1 0.136930518031419
 0.0501690169743369 170400876.5 0.926566973430714 0
 0 100 100
 ETS1-regulon Activated NME1
 0.209945223307933 -0.0366251406738177 35390097.5
 0.192436190491032 0 0 100 100
 ETV2-regulon Activated NME1
 0.022477997754931 -0.00679805012722454 55554291.5
 0.302080439922166 0 0 100 100
 ETV3-regulon Activated NME1
 0.0113163426508015 -0.000125118296695009 93710984.5
 0.509560191642427 0.0346543273261153 0.0354022624482617
 87.2860635696821 84.0252464711207
 ETV5-regulon Activated NME1
 0.0291772702934311 -0.00475813809311046 61704420.5
 0.335522206952856 4.39168524795104e-288
 7.9951192975519e-288 100 100
 ETV6-regulon Activated NME1 0.463240966709196
 0.00406956640303235 93421181 0.507984364349751
 0.0782719788932824 0.0793901500203293 100 100
 ETV7-regulon Activated NME1
 0.0454291797426329 -0.0206992128251107 22727791
 0.123583991773868 0 0 100 100
 FLI1-regulon Activated NME1
 0.111571063444102 -0.0359221047582902 26979423.5
 0.146702548078152 0 0 100 100
 FOS-regulon Activated NME1
 0.0672849374380364 -0.0210829472891998 28569293
 0.155347577382123 0 0 100 100

FOSB-regulon	Activated	NME1			
0.0287232753790156			-0.0141535184024856	57324812.5	
0.3117077746992	0	0	99.4443209602134	99.3101254984466	
FOSL1-regulon	Activated	NME1	0.0950227126254206		
0.0379963151846319			161249709	0.876806844562877	0
	0	100	100		
FOXO1-regulon	Activated	NME1			
0.00805631327128275			-0.00959168051909024	70467407	
0.383171573824037			6.7175142588685e-164		
1.07178317388688e-163			36.2747277172705	54.1111138292928	
FOXO3-regulon	Activated	NME1			
0.0102574321028243			-0.0105305805920538	74666238.5	
0.406003020908175			4.53822607450841e-112		
6.44428102580194e-112			33.4074238719715	48.2300560217237	
GABPA-regulon	Activated	NME1			
0.0203566566163269			-0.00569602772270255	57570674	
0.313044664218886			0	0	100
					100
GTF2B-regulon	Activated	NME1	0.0922025559241314		
0.0145924022505192			130435286.5	0.709251214684175	0
	0	100	100		
HINFP-regulon	Activated	NME1			
0.0127751273896565			-0.00383572863439903	82639365	
0.449357467444049			2.17951610694516e-30		
2.62280751852722e-30			58.7463880862414	63.7277686718693	
HIVEP3-regulon	Activated	NME1			
0.0713767835819882			-0.00700580470421297	80858357.5	
0.439673111572015			2.19504640706641e-40		
2.80807738561649e-40			99.1775950211158	99.75047092497	
HOXB2-regulon	Activated	NME1			
0.0297688601241197			-0.00814104339920279	81673324.5	
0.44410455301848			4.67355907715251e-35	5.7210809392729e-35	
84.885530117804			83.602025588962		
IKZF1-regulon	Activated	NME1	0.146775737064165		
0.00323206064863499			105317613.5	0.572672068324958	
8.34993518445712e-58			1.10812223943263e-57	100	100
IRF1-regulon	Activated	NME1			
0.117658886374804			-0.0197408494330837	42570027.5	
0.231477574233823			0	0	100
					100
IRF2-regulon	Activated	NME1			
0.0783455278964084			-0.00740954495369411	69581696.5	
0.378355459528282			1.5892218506857e-158		
2.47988464612494e-158			100	100	
IRF3-regulon	Activated	NME1			
0.135260391385977			-0.0113072429972145	51257070	
0.278713990164401			0	0	100
					100
IRF4-regulon	Activated	NME1	0.0670456662777295		
0.00958351534027485			126839339.5	0.689697995259231	0
	0	100	99.9951072730386		
IRF5-regulon	Activated	NME1	0.0575822431214909		
0.0116972625080937			109609835	0.596011330224525	

3.11213415596466e-100	4.29051504997069e-100	92.1315847966215
79.1961249602466		
IRF7-regulon	Activated NME1	
0.0858382001939905	-0.0244174709034975	26970337.5
0.146653142302234	0 0 100	100
IRF8-regulon	Activated NME1	
0.0622654618103084	-0.021654491097371	31127629
0.169258712660461	0 0 100	100
IRF9-regulon	Activated NME1	
0.026391788124676	-0.00835258634848519	54731255
0.297605119991356	0 0 100	100
JUN-regulon	Activated NME1	
0.0768098857346486	-0.0128660587031243	47409085.5
0.257790298777325	0 0 100	100
JUNB-regulon	Activated NME1	
0.148531600256583	-0.0124891848122751	58293931.5
0.316977428689062	0 0 100	100
JUND-regulon	Activated NME1	
0.0300732578020233	-0.00930723617859822	51220109.5
0.278513014797813	0 0 100	100
KLF11-regulon	Activated NME1	
0.0177670365301458	-0.00462834904054012	87245298
0.474402558099053	2.31900250955e-10	
2.47592749139925e-10	37.9862191598133	41.1747437434254
KLF12-regulon	Activated NME1	
0.0282875502207906	-0.0208270640743912	44319078.5
0.240988164347754	0 0 94.5098910869082	
99.0532573329745		
KLF13-regulon	Activated NME1	
0.0541965115867716	-0.0134268503885327	37813647.5
0.205614417238346	0 0 100	100
KLF2-regulon	Activated NME1	
0.0820776927432949	-0.0297171054336894	28892574.5
0.157105443698152	0 0 100	100
KLF3-regulon	Activated NME1	
0.0497449729330298	-0.0247368904383786	53808719.5
0.29258876711997 0	0 99.6888197377195	99.8825745529271
KLF4-regulon	Activated NME1	
0.0121793398595902	-0.0041299317237077	85045939.5
0.462443388693993	7.9008163870898e-19	
9.19603218825206e-19	45.9879973327406	50.2336277124055
KLF6-regulon	Activated NME1	
0.0537440258707877	-0.0173567624839658	54121043
0.294287048525971	0 0 100	100
KLF7-regulon	Activated NME1	
0.034669541640992	-0.0125761090945385	65892602
0.358295743899032	2.20109900237031e-214	
3.81165924800712e-214	98.0440097799511	97.5022628862196
KLF8-regulon	Activated NME1	
65130048.5	0.01382301480101	-0.0125256152538608
	0.354149304613704	

1.57602305131193e-229	2.76290460847276e-229	68.3485218937542		
78.6579249944957				
MAFB-regulon	Activated NME1			
0.0500811116616035	-0.0063293439263785	68274288		
0.371246332147223	2.38316019648901e-177			
3.84555395342544e-177	100	99.9975536365193		
MAFF-regulon	Activated NME1			
0.00635428541054495	-0.00669662084708313	81443025		
0.44285228298865	2.52083316482106e-56	3.31442879078324e-56		
19.4932207157146	29.5422853927637			
MAFG-regulon	Activated NME1	0.0272455854726445		
0.00204055218932905	97573636	0.530563635892743		
2.69307673573505e-12	3.01115666515257e-12	63.8586352522783		
58.0228490349096				
MAX-regulon	Activated NME1			
0.19692233011101	-0.000830192931940504	81337331	0.442277564291767	
	4.04891495725059e-37	5.08801702592552e-37	100	100
MAZ-regulon	Activated NME1	0.14719940565314	0.0120947820769731	
	144332561	0.784818640374036	0	0
	100			100
MEF2A-regulon	Activated NME1			
0.0263292250589928	-0.016012742937284	36081464.5		
0.196195548082834	0	0	100	99.9975536365193
MLX-regulon	Activated NME1			
0.0505451181650139	-0.00264232429952349	86126346		
0.468318176437705	2.81159412343183e-12			
3.11911223068218e-12	100	99.9877681825966		
MXD4-regulon	Activated NME1			
0.0792544943902249	-0.0143360443411446	94163095.5		
0.512018577594009	0.00799133338904392	0.00834389221503115		
	91.2869526561458	88.3088289258018		
MXI1-regulon	Activated NME1			
0.0539614040302117	-0.012508341192955	63130015.5		
0.343273981894507	9.09414179824595e-262			
1.63464320930497e-261	100	100		
MYBL1-regulon	Activated NME1			
0.0105031220941494	-0.0215208774061021	51634314		
0.280765281440035	0	0	59.1687041564792	
82.3592729407735				
MYC-regulon	Activated NME1	0.417445912460915		
0.113852558239538	171598660	0.933080007020775		0
	0	100	100	
NFATC1-regulon	Activated NME1	0.0616868537530113		
0.0123982941611037	114516722.5	0.622692882533559		
2.9531799797406e-161	4.65946174581294e-161	98.2885085574572		
94.4467548988429				
NFE2L1-regulon	Activated NME1	0.294378966770086		
0.124007039075174	162276789	0.882391665642545		0
	0	100	99.9290554590601	
NFE2L2-regulon	Activated NME1	0.144849264324918		

0.0377073990884539	164626239	0.89516696833136	0	0
100	100			
NFKB1-regulon	Activated NME1	0.0831406743037153		
0.0293854226192917	145001397.5	0.78845548675801	0	0
100	99.9241627320987			
NFKB2-regulon	Activated NME1	0.0822195998805535		
0.00981628502370291	117119089	0.636843436809977		
4.56904854682901e-200	7.54424294941534e-200	100	100	
NFYA-regulon	Activated NME1			
0.0172480742374773	-0.00410759737986414	73523242.5		
0.399787898274323	3.1665462603918e-108			
4.45197593045184e-108	99.0886863747499	99.0092227903222		
NFYB-regulon	Activated NME1	0.116934534771769		
0.00922421255390991	136595844.5	0.742749690149496		0
0	100	100		
NFYC-regulon	Activated NME1	0.0862007900454493		
0.00295948194322243	112581096.5	0.612167777490958		
4.33161773417315e-135	6.54350764098497e-135	100	100	
NR1H3-regulon	Activated NME1			
0.00599887648154437	-0.0028145750019005	87778604.5		
0.477302450398703	5.46733235908925e-12			
5.92642133580666e-12	18.5596799288731	22.4943122049074		
NR2C2-regulon	Activated NME1			
0.0139808152573328	-0.00866442517017826	70665065.5		
0.384246356077976	9.99415885377467e-146			
1.54257669264783e-145	66.5925761280284	77.011522371994		
NR3C1-regulon	Activated NME1			
0.208261967731519	-0.0191104010844849	33299385		
0.181067791494336	0	0	100	100
NRF1-regulon	Activated NME1	0.0270649788531771		
0.00037277309599015	97751687.5	0.531531803679543		
3.5570323692316e-12	3.91549299558827e-12	100		
99.9633045477897				
PAX5-regulon	Activated NME1			
0.0812507915909873	-0.0211099220907379	37285835		
0.202744398957285	0	0	100	100
POU2F1-regulon	Activated NME1			
0.0026946494226805	-0.00242585316590786	86174842.5		
0.468581879630728	1.01285692695447e-24	1.1886420134507e-24		
12.8695265614581	18.9495315213934			
POU6F1-regulon	Activated NME1			
0.0163200281911418	-0.01629804157726	67270929.5		
0.365790498423205	8.80191117404107e-201			
1.47043692554568e-200	50.6334741053567	66.9740930107395		
REL-regulon	Activated NME1	0.295277384428737		
0.0350395503508582	160924291	0.87503736087504	0	0
100	100			
RELA-regulon	Activated NME1			
0.0885434903885212	-0.00390849604020052	72650877		
0.3950443483721	1.59483572029879e-118	2.31088441104519e-118		100

100

RELB-regulon Activated NME1 0.119271011179693
0.0156378108335334 144283518.5 0.784551968266897 0
0 100 100

REST-regulon Activated NME1 0.2092533671981 -0.0103958460552805
48314637.5 0.262714302650768 0 0 100
100

RFX5-regulon Activated NME1
0.0528102752338925 -0.0139181771987151 47515994
0.258371621404964 0 0 100 100

RXRA-regulon Activated NME1 0.0152720230959841
0.000823537521926652 95646779.5 0.520086215634636
5.77886764341386e-06 6.07851263233162e-06 68.2596132473883
63.823176847616

SETDB1-regulon Activated NME1 0.0685320657939079
0.00978468371087743 112233947 0.610280127215034
1.15493301021098e-130 1.70833841093707e-130 98.6219159813292
94.6595885216626

SOX5-regulon Activated NME1
0.00465433935726055 -0.00349554512121881 84979450
0.462081847274458 2.67668642478123e-30
3.19402917915071e-30 16.0924649922205 23.198864887345

SP1-regulon Activated NME1
0.00838885482524338 -0.00511185600195994 75897475.5
0.412697960301083 3.38152570386647e-88
4.57311095189561e-88 49.4332073794176 60.9658243021748

SP2-regulon Activated NME1
0.0264633932775172 -0.00197231775922203 80067188
0.435371070736646 4.31268483703153e-46
5.61836006292181e-46 100 100

SP3-regulon Activated NME1
0.0204790921076675 -0.00864827929983677 39973308.5
0.21735772864324 0 0 100 100

SP4-regulon Activated NME1
0.00539499145206512 -0.00359985619193185 84157843.5
0.457614303071092 1.96775871389753e-31
2.38821997755085e-31 22.3605245610136 29.7477799251413

SPI1-regulon Activated NME1
0.391227429196005 -0.0303219494710899 41717771
0.226843368459702 0 0 100 100

SPIB-regulon Activated NME1 0.585871119980678
0.0237774146400309 133983635 0.728545613855428 0
0 100 100

SREBF1-regulon Activated NME1
0.0402041520102126 -0.000805603092083176 90570690.5
0.492484618047813 0.0974383157465199 0.098129367631247
97.5550122249389 96.8221738385889

SREBF2-regulon Activated NME1
0.0884086959094003 -0.0117377257395564 45337685
0.246526910164133 0 0 100 100

SRF-regulon	Activated	NME1			
0.0193766162167961			-0.00154582772589084		86171537.5
0.468563908456459			4.12963260341748e-12		
4.51082945911755e-12			98.6441431429207		97.8569855909191
STAT1-regulon	Activated	NME1			
0.071996030172313			-0.0086279339443346		54059675.5
0.293953358348374			0	0	100
STAT2-regulon	Activated	NME1			
0.0502784559674177			-0.0177120350898054		50578067.5
0.275021865427138			0	0	99.9777728384085
99.960858184309					
STAT5A-regulon	Activated	NME1	0.0993409502014644		
0.0307854817382289			161832065.5		0.8799734449751452
0			100		100
TBP-regulon	Activated	NME1			
0.0143036083803525			-0.00732380747445865		81070723.5
0.440827866910845			2.84512126905432e-44		
3.67279291096103e-44			42.1871527006001		50.7326858624654
TCF12-regulon	Activated	NME1			
0.00633868656860472			-0.00300274711114148		87128313
0.473766443780786			3.33715986984049e-14		3.7910136121388e-14
21.2047121582574			25.6623529123957		
TFDP1-regulon	Activated	NME1	0.559362147011918		
0.0346326486276138			146633964.5		0.797332686777065
0			100		100
TFDP2-regulon	Activated	NME1			
0.020822191442834			-0.00699445811293859		55264165
0.30050285629385			0	100	99.9951072730386
TFEC-regulon	Activated	NME1	0.0982928509377953		
0.00749436701717561			112713282		0.612886545616933
8.42474638842718e-137			1.2863591259749e-136		100
100			100		100
THAP1-regulon	Activated	NME1			
0.0370581291523171			-0.000118758734275526		91697766.5
0.498613174541161			0.759728124485584		0.759728124485584
100			100		
THAP11-regulon	Activated	NME1	0.182966441779073		
0.00498277016081733			115762243		0.629465489480982
2.71480080828008e-179			4.43105419282495e-179		100
100			100		100
TP53-regulon	Activated	NME1	0.12766579761856		0.0325349210743099
161935482			0.880535784378926		0
100			0		0
100					100
USF2-regulon	Activated	NME1			
0.110297540629443			-0.0166383452662519		33900029.5
0.184333838993058			0	0	100
100			100		100
XBP1-regulon	Activated	NME1			
0.183088041252005			-0.0135447813838775		60699817
0.330059603452147			2.16848259591494e-307		
3.99901985220678e-307			100		100
100			100		
YBX1-regulon	Activated	NME1	0.0972298575547724		
0.00227129271633567			108766684.5		0.591426638977754

2.09322836448793e-90	2.85806180535853e-90	100	100
YY1-regulon	Activated NME1	0.678621725628686	
0.0434593598289669	149055720	0.810501155802071	0
0	100	100	
YY2-regulon	Activated NME1		
0.0317199653001101	-0.0214043151731979	58081539	
0.315822529254584	0	0	80.6845965770171
91.6138659882085			
ZBTB33-regulon	Activated NME1	0.36964566467101	0.00424004892435642
97648236	0.530969278737062	8.50951931298156e-12	
9.15417986699532e-12	100	100	
ZNF143-regulon	Activated NME1		
0.0182368788340467	-0.00565449654699762	56253675	
0.305883387807017	0	0	100
ZNF274-regulon	Activated NME1		
0.0602218850897296	-0.00568312358546303	72678783.5	
0.395196091965062	3.46318592640025e-118		
4.96739799544279e-118	100	100	
ZNF76-regulon	Activated NME1		
0.0110106659667809	-0.00393676865851541	64791382	
0.352307781257999	1.06433826566503e-232		
1.88920042155543e-232	98.7330517892865	99.540083665631	
ATF1-regulon	ASC IgG	0.0847176905544194	-0.022124486274079
5178834	0.0929527078831718	0	0
		100	100
ATF3-regulon	ASC IgG	0.0364414161242288	-0.0149978155852696
11656076.5	0.209210002477083		
6.54080008344923e-273	1.57422646076236e-272	100	100
ATF4-regulon	ASC IgG		
0.104486713306767	-0.00438703847749566	24211702.5	
0.434565639647218	1.97962680272254e-15		
2.21344099202048e-15	100	100	
ATF5-regulon	ASC IgG	0.133629712777597	0.0156313559199938
34813455.5	0.624852034163539		
7.03132788681047e-52	9.60046692237583e-52	100	
99.9977330945526			
ATF6-regulon	ASC IgG	0.292295085039482	0.160344174887955
55374345.5	0.993890779562219	0	0
100			100
ATF6B-regulon	ASC IgG		
0.0551223003404527	-0.00223646094622511	22992161.4628906	
0.412676611774541	2.96826881882186e-26		
3.63357045062676e-26	99.9208234362629	99.9206583093419	
BACH1-regulon	ASC IgG		
0.0432286792234352	-5.57072345341927e-05	28239839	
0.506864963278375	0.40468203931185	0.413416184045199	
99.7624703087886	99.5579534377621		
BATF-regulon	ASC IgG		
0.0111166300690657	-0.00841083112702434	24263592.5	
0.435496991378526	9.46668167610478e-17	1.0754150384055e-16	
44.2596991290578	51.9302699884388		

BATF3-regulon	ASC IgG	0.0714860928637652	-0.0120118613912421
22821012	0.409604722227891	5.18510424913175e-28	
6.40247655110181e-28	100	100	
BCL11A-regulon	ASC IgG	0.156428977228396	-0.0494476861897257
3282841.5	0.0589223379193566	0	0 100
100			
BHLHE40-regulon	ASC IgG	0.0363634207056072	-0.0198399836909514
9564921.5	0.171676743088303	0	0 100
100			
BRF2-regulon	ASC IgG		
0.0342813105866521	-0.00754091940880204	20720241.5	
0.371898878283852	1.60872600818277e-54		
2.23959895256817e-54	99.5249406175772	99.7347720626573	
CEBPB-regulon	ASC IgG	0.15643781935699	0.013727901958755
40097203	0.719687790222903	1.15663227003695e-156	
1.97881665476201e-156	100	100	
CEBPG-regulon	ASC IgG	0.0698811652596658	0.00187255232192179
30044628	0.539258360075369	1.88577789522186e-06	
2.05984970093465e-06	100	100	
CLOCK-regulon	ASC IgG		
0.0117346513849727	-0.00397059368981877	25410530.5	
0.456082897950181	1.40390826721697e-08		
1.54538739492101e-08	46.4766429136975	51.2252623943055	
CREB1-regulon	ASC IgG	0.0270840997037513	-0.0163419603959422
10905729.5	0.195742340547387		
1.43298646577717e-298	3.69971051164289e-298	99.8416468725257	
99.9977330945526			
CREB3-regulon	ASC IgG	0.394451895950807	0.159079722920381
54738328	0.982475169622591	0	0 100 100
CREB3L2-regulon	ASC IgG	0.269949157897225	0.147271113552776
55228244.5	0.99126847431466	0	0 100 100
CREB3L4-regulon	ASC IgG	0.0152292312779765	0.0042460722520932
31599663	0.567169027631639	3.64435195464457e-23	
4.3124831463294e-23	44.8139350752177	30.9613946002312	
CREB5-regulon	ASC IgG	0.0233107992268065	-0.0163177020123123
14880953.5	0.26709196002586	7.84193790856983e-176	
1.39194397877114e-175	98.4164687252573	99.6576972774466	
CREM-regulon	ASC IgG	0.162799097408037	0.0131660031883354
41501694.5	0.744896415972232		
3.51697182618747e-194	6.65879999091494e-194	100	100
CTCF-regulon	ASC IgG	0.3104388206223	-0.0621307853986845
1888529	0.0338964107491954	0	0 100 100
CUX1-regulon	ASC IgG	0.0615769825247789	-0.0155540149551062
11946675.5	0.214425841401085		
2.76449413002606e-263	6.54263610772833e-263	100	100
DDIT3-regulon	ASC IgG	0.0909397904209529	0.00620435584847656
32105221.5	0.576243083986478		
2.15014190653068e-20	2.50262418628981e-20	100	100
E2F1-regulon	ASC IgG	0.396900502503576	-0.0419624120103513
13689599	0.2457088404233	3.35323579009254e-209	

6.43458759720461e-209	100	100				
E2F2-regulon	ASC IgG	0.0430439745712076				-0.011188437345737
10878627.5		0.195255898176566				
1.61344782646644e-299	4.24277021033767e-299	100	100			
E2F3-regulon	ASC IgG	0.0146682793928053				-0.0066316077786654
14217450	0.255183015461318					4.6854482141173e-194
8.75439008427179e-194	100	100				
E2F4-regulon	ASC IgG	0.375014912875276				-0.0243195207623676
21050729	0.377830659075926					9.47514483434862e-50
1.26931185516746e-49	100	100				
E2F6-regulon	ASC IgG					
0.0658209493982128		-0.00676866977459317				27879129.5
0.500390740550984		0.96217199099831	0.96217199099831	100	100	
E2F7-regulon	ASC IgG	0.0194339945253931				-0.0114589831716364
8914532	0.160003176180427	0	0	100	100	
E2F8-regulon	ASC IgG	0.0521631815850432				-0.0232814472922707
4112762.5	0.0738182400237898	0	0	100	100	
100						
EGR1-regulon	ASC IgG	0.0480334510794343				
0.000586775299827473		28848210	0.517784357846263			
0.0308721418923045		0.0322341481522591		100	100	
EGR2-regulon	ASC IgG	0.0355674332288905				-0.0107805421533597
17697704	0.317648627106959					1.4763295415485e-108
2.32931994333207e-108	100	99.9954661891053				
EGR3-regulon	ASC IgG	0.0313809306619997				-0.0103791052426524
17006958	0.305250718396336					1.52285844118594e-123
2.45733975736823e-123	100	99.9954661891053				
ELF1-regulon	ASC IgG	0.633251188440448				-0.0759062331438033
3413438	0.0612663594336714	0	0	100	100	
ELF2-regulon	ASC IgG	0.0166672395155743				-0.0164465987382068
12189310	0.218780785738146					2.21570512642361e-255
5.07467948309923e-255	98.2581155977831	99.5715548704463				
ELF4-regulon	ASC IgG					
0.0103313115227792		-0.00834815369294973				14845199
0.266450217580744		8.60391186684116e-177				
1.5465259304955e-176		95.1702296120348	98.4267676195226			
ELK1-regulon	ASC IgG					
0.0583471760622128		-0.00792847727322665				18616746.5
0.33414413343806	3.8646451371244e-90					5.90085601582435e-90
100						100
ELK3-regulon	ASC IgG	0.0903068403131027				0.0261286516508818
47704769.5		0.85623279370753	0	100	100	
ELK4-regulon	ASC IgG	0.0225993631599332				-0.023038938238983
13463117	0.241643810498263					6.9781722318117e-216
1.35739788618803e-215	86.6983372921615	97.0167524312561				
ESRRA-regulon	ASC IgG					
0.0912762009804512		-0.000472681151695992				32438014
0.582216236251681		1.87128266017612e-23				
2.23295914071436e-23	100	100				
ETS1-regulon	ASC IgG	0.209189310656621				-0.0347159832201295

	11116778	0.199530361088243		3.09485768097508e-291
7.70999632804318e-291	100	100		
ETV2-regulon	ASC	IgG		
0.0279973025588627			-0.000622037047295691	27159481.5
0.487474082028485			0.128402455682121	0.133088676692417
	100	100		
ETV3-regulon	ASC	IgG		
0.00821938690496731			-0.00330156472098872	23025945
0.413282978237762			5.28898907689825e-26	
6.41911494803036e-26			81.1559778305622	84.4399610092263
ETV5-regulon	ASC	IgG		
0.0252940188502073			-0.00840352794685916	12378291.5
0.222172735000243			2.6164156165954e-249	
5.80517214932105e-249	100	100		
ETV6-regulon	ASC	IgG	0.410593163130779	-0.05038412869942
5455963	0.09792677945661	0	0	100 100
ETV7-regulon	ASC	IgG	0.122408163831764	0.0600021911766684
54772479.5	0.983088140496589		0	0 100
	100			
FLI1-regulon	ASC	IgG	0.113544209740141	-0.0312573252754418
9134891.5	0.16395831593443	0	0	100 100
FOS-regulon	ASC	IgG	0.151949323059974	0.0675520487303158
54698366	0.981757908534009	0	0	100 100
FOSB-regulon	ASC	IgG	0.0634919908058085	0.0226489211676321
42900128	0.769996309233831		1.43030506831396e-235	
2.98681352500857e-235	100	99.3040600276562		
FOSL1-regulon	ASC	IgG		
0.0512856891256164			-0.00978024170935817	22299605.5
0.40024621680314	9.53264094323523e-34		1.21949100354901e-33	100
	100			
FOX01-regulon	ASC	IgG	0.0046522231018446	-0.0123896157619585
18443351.5	0.331031939692633			
1.35901570528044e-104	2.12066186977827e-104			24.0696753760887
53.1521320245732				
FOX03-regulon	ASC	IgG	0.0661643817485583	0.0477495342475788
44636497.5	0.801161673273449		0	0
85.9857482185273	45.6373404665291			
GABPA-regulon	ASC	IgG	0.0156579665264377	-0.0101114022338024
10201971.5	0.183110884935092		0	0 100
	100			
GTF2B-regulon	ASC	IgG	0.113869550417463	0.0358092890740571
49252935.5	0.884020172479018		0	0 100
	100			
HINFP-regulon	ASC	IgG	0.0213037315741593	0.00521843592790493
32871483.5	0.589996397540837			
3.80855280617745e-29	4.74398682874736e-29			77.4346793349169
62.8272844739646				
HIVEP3-regulon	ASC	IgG	0.064510670153598	-0.0135545766966823
21254100.5	0.381480888380681			
6.31729126516773e-47	8.30606814494275e-47			99.6832937450515

99.6939677646045				
HOXB2-regulon	ASC IgG	0.104076327989539	0.0688911257641067	
50265361.5		0.902191779877773	0	0
99.3665874901029	83.2815723256183			
IKZF1-regulon	ASC IgG	0.122477360735168	-0.021999097344781	
4672351.5		0.0838620670419248	0	0 100
100				
IRF1-regulon	ASC IgG	0.244097919412466	0.11176639223904	
54977130.5		0.986761335007361	0	100 100
IRF2-regulon	ASC IgG	0.116970459097048	0.0328647996982315	
48515877		0.870791020232912	0	100 100
IRF3-regulon	ASC IgG	0.181406736588479	0.0369897850500218	
52450798		0.941417258157579	0	100 100
IRF4-regulon	ASC IgG	0.122092558516174	0.0655034375076755	
54730770		0.982339514267316	0	100
99.9954661891053				
IRF5-regulon	ASC IgG	0.00654835290567023	-0.0416558566157308	
8838532.5		0.158639093199052	0	0
29.9287410926366	81.9259628680888			
IRF7-regulon	ASC IgG	0.182165630891415	0.0764591058691104	
54676816		0.981371116670264	0	100 100
IRF8-regulon	ASC IgG	0.0513582781860765	-0.0312854486595875	
4545087.5		0.0815778591650081	0	0 100
100				
IRF9-regulon	ASC IgG			
0.0333873907564144		-0.000543971327029907	27736383.5	
0.497828652783836		0.792116318094936	0.803432265496292	
100	100			
JUN-regulon	ASC IgG	0.101813791151963	0.0137975501690764	
41015267		0.736165733870075	9.98655723739792e-181	
1.8180655483468e-180		100	100	
JUNB-regulon	ASC IgG	0.151244654593863	-0.0087822830903117	
20981088.5		0.376580711104367		
9.77397552895808e-51		1.32181383344005e-50	100	100
JUND-regulon	ASC IgG	0.027386929295166	-0.0113877255140143	
12736946		0.228610073399096	5.48745336535343e-238	
1.16301250429879e-237		100	100	
KLF11-regulon	ASC IgG	0.00676577804035995	-0.0156050626564205	
21313553.5		0.382547985210156		
1.11969977399573e-57		1.58997367907393e-57	21.4568487727633	
41.4140956180718				
KLF12-regulon	ASC IgG			
0.0415136529852907		-0.00569447235796546	23949441.5	
0.429858427536896		1.68030408432061e-17		
1.92421919333489e-17		98.9707046714173	98.5922517171809	
KLF13-regulon	ASC IgG	0.135521398633612	0.0712114050575879	
55195307.5		0.990677301989085	0	0 100
100				
KLF2-regulon	ASC IgG	0.0805989998717862	-0.0290581752896085	
8693193		0.156030455793917	0	100 100

KLF3-regulon	ASC IgG	0.0429234640621619	-0.0299390804745564
13162395.5		0.236246287089772	
6.69925092963526e-225		1.35899090286887e-224	99.6041171813143
99.8707863894997			
KLF4-regulon	ASC IgG	0.0269497732915539	0.0113663538716203
34591687.5		0.620871613836911	
1.57521034375733e-55		2.21465216647071e-55	67.8543151227237
49.2961258585904			
KLF6-regulon	ASC IgG	0.0420483324755483	-0.0281140743898501
10125834	0.181744325049903	0	0 100 100
KLF7-regulon	ASC IgG	0.0240748395251268	-0.0225516019011844
13206067	0.237030128429796	1.39638736675287e-223	
2.79277473350574e-223		94.6159936658749	97.6401514292839
KLF8-regulon	ASC IgG	0.0150440627083541	-0.0103507651914044
21491809.5		0.38574742699501	3.30263203267936e-44
4.30251145541714e-44		70.8630245447348	77.8296647246843
MAFB-regulon	ASC IgG	0.0607275841287688	0.00508624992613332
33280056	0.597329693074464	3.29796255085948e-32	
4.18134537698255e-32	100	99.9977330945526	
MAFF-regulon	ASC IgG		
0.005388472017359		-0.00719884203965776	24187634
0.434133644288864		1.10621159030477e-23	
1.33120377816337e-23		16.8646080760095	28.8803753995421
MAFG-regulon	ASC IgG		
0.0205880805223671		-0.00495725280032153	25766690
0.462475454646016		2.29477570748088e-06	
2.48746679742202e-06		55.1068883610451	58.7015165597443
MAX-regulon	ASC IgG	0.167080799000072	-0.0314652168786717
2486214.5		0.0446240157829747	0 0 100
100			
MAZ-regulon	ASC IgG	0.116019114059117	-0.0208654705961951
6898219	0.123813224293566	0	0 100 100
MEF2A-regulon	ASC IgG	0.0259752872143907	-0.0152021666330565
11550081.5		0.207307542913391	
1.82510992165678e-276		4.46837256681488e-276	100
99.9977330945526			
MLX-regulon	ASC IgG	0.0894311505876856	0.0375508878747655
50660350.5		0.909281270897193	0 0 100
99.9886654727631			
MXD4-regulon	ASC IgG	0.631014412280549	0.554272970545154
55488007	0.99593084190194	0	99.9208234362629
88.2800988370775			
MXI1-regulon	ASC IgG	0.0369295389424644	-0.0291102707402816
7742715	0.138970726927654	0	0 100 100
MYBL1-regulon	ASC IgG		
0.0243640092458474		-0.00568443067426361	27772815
0.498482546416504		0.853286714808313	0.859338393636741
85.9065716547902		79.8925486817945	
MYC-regulon	ASC IgG	0.28474219364003	-0.0310024918291402
20089681.5		0.360581222710645	3.04195582540268e-64

4.40773191027735e-64	100	100		
NFATC1-regulon ASC IgG				
0.0436860496236848	-0.00702739368777646		25904304.5	
0.464945439283289	2.08750391061267e-05			
2.24564814626515e-05	95.5661124307205	94.8065196200666		
NFE2L1-regulon ASC IgG	0.16727566516061	-0.0158321510111689		
26151928 0.469389929077808		0.000202770300675668		
0.00021649159921763	99.8416468725257	99.9387935529209		
NFE2L2-regulon ASC IgG	0.0903218763543448		-0.021147267336477	
12569222 0.225599666041572		3.00470479237883e-243		
6.56412431565837e-243	100	100		
NFKB1-regulon ASC IgG	0.0224869521399837		-0.0351605054404075	
6120180 0.109848530331814		0	0	
98.9707046714173	99.9591957019473			
NFKB2-regulon ASC IgG	0.0460042570729513		-0.0281560336482183	
6205179 0.111374141544176		0	0	100 100
NFYA-regulon ASC IgG	0.0106213290787583		-0.0106227517153387	
12217295 0.219283076703662		1.77464553830362e-254		
3.99999470538276e-254	96.9121140142518	99.0773694829189		
NFYB-regulon ASC IgG	0.0942174523063235		-0.0148199441748659	
15514095.5	0.278455958828402			
2.74863528755248e-159	4.75983183942014e-159	100	100	
NFYC-regulon ASC IgG				
0.0770358677830578	-0.00668494024857011		20248735	
0.363436006919464	1.02990322734236e-61			
1.47723493214763e-61	100	100		
NR1H3-regulon ASC IgG				
0.0034531342174493	-0.00522673550491385		24807540	
0.44526007570818	5.70179837302075e-20	6.58256397535729e-20		
12.0348376880443	22.3924920091583			
NR2C2-regulon ASC IgG	0.00803675855302943		-0.0141430694964261	
15884796 0.285109505802228		4.60422004153336e-152		
7.60231681276438e-152	49.4061757719715	76.7392832044975		
NR3C1-regulon ASC IgG	0.181739424861183		-0.0449904284545342	
1740990 0.0312482954459485		0	0	100 100
NRF1-regulon ASC IgG	0.0164247159629372		-0.0105994768676521	
11969451.5	0.214834638221903			
1.54414353695612e-262	3.59456364340605e-262	99.8416468725257		
99.9705302291841				
PAX5-regulon ASC IgG	0.0698509716605271		-0.0312875686184946	
5388927 0.0967235785574006		0	0	100 100
POU2F1-regulon ASC IgG				
0.0030467452223774	-0.00188572304903557		26788996	
0.480824393999008	0.00056393580607591			
0.000597603615393875	14.9643705463183	18.4435427198332		
POU6F1-regulon ASC IgG	0.0877868152319009		0.0584104885908424	
46708973 0.838359662192678		0	0	
94.9326999208234	64.5070614104686			
REL-regulon ASC IgG	0.213245786073431		-0.0519110944002524	
2019530 0.0362476924634584		0	0	100 100

RELA-regulon	ASC IgG	0.0817688246289306	-0.0105904115825824
13264477	0.238078504892038	8.13897504842065e-222	
1.60518674566074e-221	100	100	
RELB-regulon	ASC IgG	0.080521792477155	-0.0253679811938433
4676059.5	0.0839286203704985	0	0 100
100			
REST-regulon	ASC IgG	0.199023543599544	-0.0201559511892134
7909987	0.141973021527758	0	0 100 100
RFX5-regulon	ASC IgG	0.0511385661415943	-0.0146167524567361
13152664	0.236071620499423	3.39520183867272e-225	
6.98722697234095e-225	100	100	
RXRA-regulon	ASC IgG		
0.0110424720876027	-0.00358752211984039	25066422	
0.449906639572211	4.84091836975781e-10		
5.37039381645007e-10	60.5700712589074	64.3687801781788	
SETDB1-regulon	ASC IgG	0.0474201860357993	-0.0126494262429307
19570440	0.351261575958052	7.15070554952211e-73	
1.05770852920015e-72	92.6365795724465	95.1216194772516	
SOX5-regulon	ASC IgG		
0.00365880864049794	-0.00426315597950448	25120069	
0.450869526955704	3.41326318441723e-16		
3.84669343005751e-16	13.5391923990499	22.7506630698434	
SP1-regulon	ASC IgG		
0.00582872572224317	-0.00737029347289584	20278546	
0.363971071989073	2.29498728420522e-65		
3.35967210677465e-65	40.3008709422011	60.3812934962483	
SP2-regulon	ASC IgG	0.0371669018364665	0.00918232655514619
43006128.5	0.771898867514705		
7.14343529323558e-239	1.53692092672644e-238	100	100
SP3-regulon	ASC IgG		
0.0279613313081796	-0.000317403644662272	27196259	
0.488134185869267	0.149780699989062	0.154122169553963	
100	100		
SP4-regulon	ASC IgG		
0.00358874504794808	-0.00519374239772433	23699079.5	
0.425364785560527	1.25624550597371e-29	1.5786447951174e-29	
15.2810768012668	29.4085643687802		
SPI1-regulon	ASC IgG	0.356654219090561	-0.0636606966262636
4491822.5	0.0806218281384494	0	0 100
100			
SPIB-regulon	ASC IgG	0.504051129714633	-0.0621294062990844
4178871	0.0750047936165666	0	0 100 100
SREBF1-regulon	ASC IgG		
0.0312453240751917	-0.00996183469667878	19215311	
0.344887515272221	4.42771688711324e-79		
6.61827155757978e-79	97.070467141726	96.8898057262032	
SREBF2-regulon	ASC IgG	0.0816198911670267	-0.0178598558031826
7337276.5	0.13169368223862	0	0 100 100
SRF-regulon	ASC IgG	0.0121007174242836	-0.0089166455140273
15624252	0.280433111400957	1.70592638152059e-156	

2.88382793066576e-156	95.0910530482977	98.0164577335479	
STAT1-regulon ASC IgG	0.109533088362021	0.0306167682219218	
52271225	0.93819417809502	0	100 100
STAT2-regulon ASC IgG	0.0854600725952632	0.0197761697853046	
40015510	0.718221517010613	1.31947096064979e-154	
2.20429266367377e-154	99.9208234362629	99.963729512842	
STAT5A-regulon ASC IgG			
0.0632993615009093	-0.00854634669740899	21074751.5	
0.378261828799675	2.0633549804522e-49		
2.73828417966554e-49	100	100	
TBP-regulon ASC IgG			
0.0117227734572639	-0.00944128133664718	22409156.5	
0.402212501511495	6.26032083981787e-37		
8.08150508412853e-37	33.3333333333333	50.3593045134087	
TCF12-regulon ASC IgG			
0.00736636131777228	-0.00172537628916426	26987103	
0.484380133012966	0.0129324132519346	0.0136029828279609	
22.6444972288203	25.2941309817967		
TFDP1-regulon ASC IgG	0.468100919955296	-0.0617820293557516	
5483059.5	0.0984131231102503	0	0 100
100			
TFDP2-regulon ASC IgG	0.0319005047993006	0.0049141314936739	
37718607	0.676995373520595	2.18701658593122e-102	
3.37561255654602e-102	100	99.9954661891053	
TFEC-regulon ASC IgG	0.0679797423209247	-0.0242364014244788	
10764078	0.193199897499259	1.52093170515879e-303	
4.07494909684053e-303	100	100	
THAP1-regulon ASC IgG			
0.0317305103669565	-0.00559020086562922	17013723.5	
0.305372149503258	2.15876130288414e-123		
3.44431578662414e-123	100	100	
THAP11-regulon ASC IgG	0.168527861111093	-0.0102347231096028	
15424464	0.276847200826769	1.40310585132488e-161	
2.45976581343373e-161	100	100	
TP53-regulon ASC IgG	0.0819996218705949	-0.016825389839392	
14540567.5	0.260982515230849	4.556986811734e-185	
8.40379386060036e-185	100	100	
USF2-regulon ASC IgG	0.109780481936975	-0.0159496677777073	
10052440	0.180427007089455	0	0 100 100
XBP1-regulon ASC IgG	0.361186663236969	0.170646590405572	
55201996.5	0.990797360029762	0	0 100
100			
YBX1-regulon ASC IgG			
0.0897666926364585	-0.00557216555137399	19111791	
0.343029478439979	6.14002388237816e-81		
9.27535522657127e-81	100	100	
YY1-regulon ASC IgG	0.564783464851753	-0.0768262568695265	
4261580.5	0.0764893115587642	0	0 100
100			
YY2-regulon ASC IgG	0.0174146500309007	-0.0345490485115602	

10949029.5		0.196519513990549			
2.6169589664851e-297		6.63586023644435e-297		63.341250989707	
91.3086845147689					
ZBTB33-regulon	ASC IgG	0.32742991412107	-0.0394954189711232		
7210825.5		0.129424066555913	0	0	100 100
ZNF143-regulon	ASC IgG				
0.0210995595493503		-0.00229505713086858		23424603	
0.420438322591199		4.57186533605947e-22			
5.36532956793756e-22		100	99.9931992836579		
ZNF274-regulon	ASC IgG	0.0763114882872051	0.011284038534801		
39056028.5		0.70100018811905	1.79597149267580e-131		
2.93135576965475e-131		100	100		
ZNF76-regulon	ASC IgG				
0.0114221815108206		-0.00322468123065279		20858337.5	
0.374377505161607		1.68637430554937e-52			
2.32490438240787e-52		98.9707046714173	99.4740779362093		
ATF1-regulon	ASC IgM	0.0883769994901334	-0.0179829183761072		
2351210.5		0.154907652405172			
5.79849061046156e-106		5.14616041678463e-105	100	100	
ATF3-regulon	ASC IgM	0.0388696781865659	-0.0122430298091073		
3972826.5		0.261746545674263			
1.75788049075795e-51		6.40048794070845e-51	100	100	
ATF4-regulon	ASC IgM				
0.101778632767131		-0.00702518463829781		6023742	
0.396869498462361		6.41008648941579e-11			
9.68332214358556e-11		100	100		
ATF5-regulon	ASC IgM	0.130627032523787	0.0122848283599058		
9316137.5		0.61378638348578	5.63833764541614e-13		
8.89604384054547e-13		100	99.997779702036		
ATF6-regulon	ASC IgM	0.240636297073781	0.105002185308303		
14527897		0.957159054305919	1.90360167212425e-184		
9.01038124805479e-183		100	100		
ATF6B-regulon	ASC IgM				
0.0560371892002155		-0.00126874497258444		5847940.828125	
0.385286976682523		3.6429695486528e-13		5.8784281353261e-13	
99.7032640949555		99.9222895712605			
BACH1-regulon	ASC IgM	0.044418905609399	0.00114457024473204		
7849084.5		0.517130751765878	0.277780097799305		
0.29003510211398		99.406528189911	99.5648215990586		
BATF-regulon	ASC IgM				
0.0109265075047833		-0.00842944992080871		6481559.5	
0.427032443955759		9.23392850785314e-07			
1.18127734064428e-06		41.839762611276	51.7906703079553		
BATF3-regulon	ASC IgM				
0.0733692853235033		-0.00986761474497187		6740777.5	
0.444110817772635		0.000398815271180797			
0.000488204900928217		100	100		
BCL11A-regulon	ASC IgM	0.169761013322454	-0.0349992520056701		
2392987.5		0.157660097154178			
2.6058816665854e-104		2.1766776273831e-103	100	100	

BHLHE40-regulon	ASC IgM	0.040413682858243		-0.0153515065858686
3549706	0.233869584704796		8.74933138319376e-64	
4.28415536694315e-63	100	100		
BRF2-regulon	ASC IgM	0.0438948441058869		0.00229958744839617
8195320.5	0.539942237993146		0.0113885367587101	
0.0130417114494906	100	99.7269033504296		
CEBPB-regulon	ASC IgM	0.144305344826815		0.00122240224750411
8180746.5	0.538982041478987		0.0135221966334391	
0.0153612153755868	100	100		
CEBPG-regulon	ASC IgM			
0.0658504568512045	-0.00222681507505507		7576586	
0.499177402663817	0.958438091229891		0.965235524501025	
100	100			
CLOCK-regulon	ASC IgM			
0.0134906014521102	-0.00211986965058164		7171404.5	
0.472482338583844	0.0635572864099739		0.0683722323501234	
48.0712166172107	51.1156997269034			
CREB1-regulon	ASC IgM			
0.0338374669758388	-0.00920207166251366		4998127	
0.329297661775884	2.92695480969795e-27			
6.02358815908853e-27	100	99.993339106108		
CREB3-regulon	ASC IgM	0.350278924403021		0.111305558743188
14312065	0.942939132936091		2.81312170448034e-173	
9.98658205090522e-172	100	100		
CREB3L2-regulon	ASC IgM	0.228701458056705		0.102686893674153
14616861.5	0.9630204103361	3.74170211306982e-189		
2.65660850027957e-187	100	100		
CREB3L4-regulon	ASC IgM	0.0111623636330126		
6.14755877951234e-05	7988029.5	0.526285033682974		
0.0428883283393441	0.0464896383525715		38.2789317507418	
31.2950998023935				
CREB5-regulon	ASC IgM	0.0235329305766098		-0.0157584172992397
4140053.5	0.272764164891581			
5.43809364047124e-47	1.71602065988204e-46		99.1097922848665	
99.6269899420502				
CREM-regulon	ASC IgM	0.166762635206882		0.0168885052911347
11887325	0.783187047321929		5.60648085505232e-72	
3.46139252790187e-71	100	100		
CTCF-regulon	ASC IgM	0.333543863450318		-0.0375754548930483
3036957	0.200087520587993		1.67313972252743e-80	
1.07993563908589e-79	100	100		
CUX1-regulon	ASC IgM			
0.0709733777576467	-0.00576752218361842		6107048.5	
0.402358081617758	6.16637884201076e-10			
8.93495709760743e-10	100	100		
DDIT3-regulon	ASC IgM	0.0877383359117061		0.00285138545998496
8079347.5	0.532301448207465		0.0407109720147036	
0.0448136281092087	100	100		
E2F1-regulon	ASC IgM	0.423006842296007		-0.0147979885563905
6788881.5	0.447280111934642			

0.000837556684453436	0.000991108743269899	100	100
E2F2-regulon	ASC IgM	0.0453474934963445	-0.0086376487463195
4159590	0.274051311810674	1.76325131983911e-46	
5.44308016124248e-46	100	100	
E2F3-regulon	ASC IgM	0.01499394342857	-0.00616716140796663
4186103	0.27579809993884	8.61007487419767e-46	
2.60134177050228e-45	100	100	
E2F4-regulon	ASC IgM	0.386979989901663	-0.0117649078407812
7334680.5	0.483239649277253	0.288302531567107	
0.298824521770287	100	100	
E2F6-regulon	ASC IgM		
0.0640566424153489	-0.00840701444128555	7070641	
0.465843614729417	0.0304657707588075	0.034064090139769	
100	100		
E2F7-regulon	ASC IgM		
0.0213152715562028	-0.00932803343991598	3401616	
0.224112791663644	2.07539405443113e-68		
1.13348444511239e-67	100	100	
E2F8-regulon	ASC IgM	0.0579595716416163	-0.0169630206975483
2738374.5	0.180415647684964		
3.75110025952277e-91	2.95920131584574e-90	100	100
EGR1-regulon	ASC IgM	0.0545127511899376	0.00710249207610044
10349223	0.681850408182345	1.03210439086818e-30	
2.15527681622473e-30	100	100	
EGR2-regulon	ASC IgM	0.0479048834921213	0.00187086940503135
7944652	0.523427141251733	0.137748327441219	
0.145972108183978	100	99.995559404072	
EGR3-regulon	ASC IgM		
0.0363389714222303	-0.00517057243795163	6152998.5	
0.405385461185864	2.04341015829819e-09		
2.87291329186478e-09	100	99.995559404072	
ELF1-regulon	ASC IgM	0.671177353201987	-0.0361356604376875
4588427	0.302304899881362	5.44883385754927e-36	
1.31141425046101e-35	100	100	
ELF2-regulon	ASC IgM	0.0192682534055096	-0.0134879816130201
4135685.5	0.272476382651027	4.1766975265087e-47	
1.3479342017369e-46	99.406528189911	99.5359577255268	
ELF4-regulon	ASC IgM		
0.0114909674669331	-0.00700818303548404	4624030	
0.304650575501891	3.50624007164434e-35		
8.03042080924994e-35	97.3293768545994	98.3436577188659	
ELK1-regulon	ASC IgM		
0.0615332257154975	-0.00455557913999875	6149063.5	
0.405126206809357	1.84674384320244e-09		
2.62237625734747e-09	100	100	
ELK3-regulon	ASC IgM	0.0803655363879577	0.0155757588616082
11147231	0.734426536895851	6.73918791092528e-50	
2.33406020329607e-49	100	100	
ELK4-regulon	ASC IgM	0.0282214086605778	-0.0169011466928441
4681284.5	0.308422743151122		

6.67385080207399e-34	1.48076064671017e-33	91.0979228486647	
96.7716867603632			
ESRRA-regulon	ASC IgM		
0.0915384133155673	-0.00019878853275021	8789388.5	
0.57908194039284	5.43600457779273e-07	7.08176743161989e-07	100
100			
ETS1-regulon	ASC IgM	0.243817830232737	
0.000885400130914288	7597188	0.500534749211415	
0.972975202426225	0.972975202426225	100	100
ETV2-regulon	ASC IgM		
0.0249087468700281	-0.00372091350171883	5967055	
0.39313472010377	1.28368136701618e-11	1.96002961415374e-11	100
100			
ETV3-regulon	ASC IgM	0.00689875243911196	-0.0045642006718539
5485856	0.361431302893905	1.41879413393012e-18	
2.37022078844796e-18	74.4807121661721	84.4223894846688	
ETV5-regulon	ASC IgM		
0.0309152980494518	-0.00256741187359575	6273934	
0.413353201376479	4.0302617288432e-08		
5.45044919519747e-08	100	100	
ETV6-regulon	ASC IgM	0.417622232237861	-0.0422665696288673
2093921	0.137956336292259	1.97139463668228e-116	
2.3328169867407e-115	100	100	
ETV7-regulon	ASC IgM	0.100323116803205	0.0365182523015273
13569942	0.894044943442686	1.47569849693006e-137	
2.32832429515632e-136	100	100	
FLI1-regulon	ASC IgM	0.130915780752945	-0.013113123817104
5158741	0.339879588695402	3.50735462719498e-24	
6.46810853326867e-24	100	100	
FOS-regulon	ASC IgM	0.126664271208513	0.0406889365400767
12955673	0.853574314064639	3.86935789652744e-111	
3.92463443790641e-110	100	100	
FOSB-regulon	ASC IgM	0.0533263521385505	0.0119415581896191
9724162.5	0.640668789324228		
5.00774265643878e-19	8.5674633399314e-19	99.7032640949555	
99.32058882302			
FOSL1-regulon	ASC IgM	0.0502892603207204	-0.0105830448272803
5859879.5	0.386073546678273		
5.28245975827217e-13	8.42819422106346e-13	100	100
FOX01-regulon	ASC IgM	0.00546997483744364	-0.0113110152834818
5320754.5	0.350553720570428		
1.16742929290606e-23	2.09841721003367e-23	27.5964391691395	
52.5278092319989			
FOX03-regulon	ASC IgM	0.034460233243096	0.0148264340167319
9154499.5	0.603136991132578		
1.32976268004591e-12	2.07501429193977e-12	61.1275964391691	
46.6529008192899			
GABPA-regulon	ASC IgM		
0.017817495113766	-0.00772782516399374	3864275	
0.254594715572254	1.64944600664831e-54		

6.33030629578541e-54	100	100		
GTF2B-regulon	ASC IgM	0.103646686133706	0.0247736956678461	
11858642	0.781297290452462	4.80118951949396e-71		
2.84070379903392e-70	100	100		
HINFP-regulon	ASC IgM	0.0199406344367142	0.00373784871731076	
8406288	0.553841665610872	0.000466644003674435		
0.000566354260869827	70.6231454005935	63.1785785652435		
HIVEP3-regulon	ASC IgM			
0.0708789841036898	-0.00685993090480215	6637662.5		
0.437317167192324	7.14876048511714e-05	8.9045963937424e-05		
99.406528189911	99.6958191789338			
H0XB2-regulon	ASC IgM	0.0692247443216763	0.0323623697311023	
10628250.5	0.700233915308348			
4.99074003503483e-37	1.24330716662271e-36	94.0652818991098		
83.6519460911654				
IKZF1-regulon	ASC IgM			
0.136577177821397	-0.00734147918616296	5428795.5		
0.357671916781915	1.92926760843862e-19			
3.38217284442326e-19	100	100		
IRF1-regulon	ASC IgM	0.203133814791234	0.0681978651734658	
13378547	0.881435034575705	5.08444035944958e-129		
7.21990531041841e-128	100	100		
IRF2-regulon	ASC IgM	0.0964644172568767	0.0115296244265737	
9712430	0.639895802800119	7.78055244672991e-19		
1.31528386599482e-18	100	100		
IRF3-regulon	ASC IgM	0.173587778324251	0.0283518137106509	
12920969	0.851287868351221	9.88882895016098e-110		
9.36142473948573e-109	100	100		
IRF4-regulon	ASC IgM	0.105593606001575	0.0475342851633832	
13700133	0.902622474962846	1.59814353840387e-143		
3.24194832076213e-142	100	99.995559404072		
IRF5-regulon	ASC IgM	0.0140518507933039	-0.0332397718142159	
3606518	0.237612598589959	1.6632430376879e-62		
7.87268371172271e-62	51.6320474777448	80.6945092031351		
IRF7-regulon	ASC IgM	0.157065827781561	0.0495994997955399	
13649754	0.899303294217217	3.3666142361844e-141		
5.97574026922731e-140	100	100		
IRF8-regulon	ASC IgM	0.0633824587057562	-0.018528070815502	
3834882.5	0.252658213853961			
2.41138643107818e-55	9.51157981147505e-55	100	100	
IRF9-regulon	ASC IgM	0.0371221440590664	0.00322991093745128	
8808062	0.580312229236475	3.6149154432083e-07		
4.75294437903314e-07	100	100		
JUN-regulon	ASC IgM	0.0917934710307148	0.00341857689528387	
8312209.5	0.547643377717551	0.00254069506079102		
0.00298164213745723	100	100		
JUNB-regulon	ASC IgM			
0.153718568559394	-0.00610929491913675	6240613.5		
0.411157906471167	1.81674164392074e-08			
2.48055109073794e-08	100	100		

JUND-regulon	ASC IgM	0.0291957331869404	-0.0093312562491743
4242855.5		0.279537193713355	
2.46265745068983e-44		6.99394715995912e-44	100 100
KLF11-regulon	ASC IgM	0.0096501930540702	-0.0123782258331793
6347433.5		0.418195658059092	
5.90361146850906e-09		8.21875322086555e-09	28.7833827893175
40.9489553498079			
KLF12-regulon	ASC IgM		
0.0463529054168533		-0.000701932564940375	7419048.5
0.488798168524305		0.477894620830668	0.491746638825759
99.406528189911		98.5967716867604	
KLF13-regulon	ASC IgM	0.115147936746221	0.0492213971159021
14305654.5		0.942516782191339	
5.96426123509651e-173		1.69385019076741e-171	100 100
KLF2-regulon	ASC IgM	0.0884709864552091	-0.0205298524243679
3787557	0.249540210551449	1.05685305143909e-56	
4.41391568542207e-56	100 100		
KLF3-regulon	ASC IgM	0.0458911573205367	-0.0263336354644217
4089145	0.269410098455391	2.45885123683676e-48	
8.31325894359094e-48	100 99.8623415262328		
KLF4-regulon	ASC IgM	0.0240144908552611	0.00817541669463265
9163557	0.603733737388032	2.04319565012957e-12	
3.15362806867825e-12	67.0623145400593	49.6836075401319	
KLF6-regulon	ASC IgM	0.0454366350260414	-0.0241223949694327
3382456.5		0.222850483092695	
5.08937229187836e-69		2.89076346178691e-68	100 100
KLF7-regulon	ASC IgM	0.024340434847789	-0.0218203592732038
3767774.5		0.248236856116061	
2.82119905537786e-57		1.21397050261714e-56	95.2522255192878
97.5732143253625			
KLF8-regulon	ASC IgM	0.011818712115448	-0.0133874378514649
5090392	0.335376468649689	9.74859151467178e-26	
1.89630136312794e-25	62.9080118694362	77.7459535069606	
MAFB-regulon	ASC IgM	0.0577463778755895	0.0019781639922568
8405870.5		0.553814158952119	
0.000651049622179684		0.0007768827424329	100
99.997779702036			
MAFF-regulon	ASC IgM		
0.00523446822683142		-0.00720599025054735	6655270
0.438477223465348		1.00483762694359e-06	
1.27399056273206e-06		17.8041543026706	28.6263016496814
MAFG-regulon	ASC IgM	0.0287759302441775	0.0033937826371874
8235655.5		0.542599677707609	0.00510917823358186
0.00594674843580839		64.6884272997033	58.555918204223
MAX-regulon	ASC IgM	0.17413391791103	-0.0237124001080216
1824134.5		0.120181665174719	6.03639617202229e-128
7.79243869479241e-127	100 100		
MAZ-regulon	ASC IgM	0.122369266262283	-0.0140388107648729
3688036	0.242983347831154	1.2961654646039e-59	
5.7517342491798e-59	100 100		

MEF2A-regulon	ASC IgM		
0.0313360084625726		-0.00948877837710699	4816090
0.317304297370238		5.5354759312489e-31	
1.17319042124977e-30		100	99.997779702036
MLX-regulon	ASC IgM		
12258035		0.0803302248409666	0.0276098206029531
9.24994163221956e-84		1.36794911462402e-84	
9.24994163221956e-84		100	99.9888985101801
MXD4-regulon	ASC IgM		
14210495.5		0.488432437987334	0.399228310666966
2.17530038355292e-168		0.936247306406324	
88.5232798241524		5.14821090774191e-167	99.406528189911
MXI1-regulon	ASC IgM		
2745311.5		0.0394806967837534	-0.0259415181278384
5.04359343220576e-90		0.18087268646764	6.74847008534574e-91
5.04359343220576e-90		100	100
MYBL1-regulon	ASC IgM		
0.0267606245729378		-0.00315301124029694	7700713.5
0.507355445260991		0.639883423867199	0.653693857475844
85.1632047477745		80.0217589200471	
MYC-regulon	ASC IgM		
6390218.5		0.290815225271631	-0.0242466093550776
5.61129235706792e-07		0.421014514094379	
5.61129235706792e-07		7.24366831548768e-07	100
NFATC1-regulon	ASC IgM		
10123153		0.073265988567623	0.0229183572408636
7.51795223147302e-26		0.666955964244111	3.75897611573651e-26
7.51795223147302e-26		99.1097922848665	94.795621572415
NFE2L1-regulon	ASC IgM		
0.000330202783516115		0.182994892962146	
0.0237383126213707		8130826	0.535693068644827
99.9356113590444		0.0267527015256718	100
NFE2L2-regulon	ASC IgM		
5167645.5		0.0977781040631353	-0.0132004621661211
9.33661741491685e-24		0.340466254666332	5.1285644955177e-24
9.33661741491685e-24		100	100
NFKB1-regulon	ASC IgM		
3636778.5		0.0329402511424648	-0.0239060920747822
3.83758089872803e-61		0.239606287804773	
99.9311707631164		1.75785963748187e-60	100
NFKB2-regulon	ASC IgM		
3876022		0.0564503379027167	-0.0170529041184844
1.32363928781371e-53		0.255368657417446	3.54213330541696e-54
1.32363928781371e-53		100	100
NFYA-regulon	ASC IgM		
0.0135093891144812		-0.00749467870596104	4607733
0.303576860489455		1.49959156349494e-35	
3.49085249207018e-35		97.9228486646884	99.0252891938098
NFYB-regulon	ASC IgM		
0.100116459956316		-0.00857210031882985	6126802.5
0.403659558353087		1.03664820300971e-09	
1.48690954371089e-09		100	100
NFYC-regulon	ASC IgM		
0.0811865795211023		-0.00236572910943111	7205268
0.474713408616588		0.109148049072878	0.116534007280817
100		100	

NR1H3-regulon	ASC	IgM		
0.00334727473259459			-0.00522592560476547	6904757
0.454914478009596			8.37451352987671e-05	
0.000103407036629782			14.2433234421365	22.1630142765159
NR2C2-regulon	ASC	IgM		
4237281.5			0.00750301479974394	-0.0143900260051273
4.45636618024241e-45			0.279169955112427	
76.2050667199538			1.29143672978454e-44	45.6973293768546
NR3C1-regulon	ASC	IgM		
2809190	0.185081271141009		0.197902611070766	-0.0277813013825538
1.02807148318009e-87	100	100	1.447988004479e-88	
NRF1-regulon	ASC	IgM		
0.0186750240011935			-0.00811440630384374	4357621
0.287098428312344			1.8299568203856e-41	
4.90290317914633e-41			100	99.9666955305402
PAX5-regulon	ASC	IgM		
4370266.5			0.0845665924721093	-0.0158185684522591
3.73875947270664e-41			0.287931567122539	
POU2F1-regulon	ASC	IgM		
0.00223648464179098			9.83155268748784e-41	100
0.462983614003373				100
0.000616024847902732			-0.00266327593775303	7027231.5
POU6F1-regulon	ASC	IgM		
11658724.5			0.000511907972200862	
1.91158501871348e-67			11.2759643916914	18.3996092275583
65.1546437531917			0.0688078395982239	0.038088587332181
REL-regulon	ASC	IgM		
2109167.5			0.768125883383758	
8.49289538184216e-116			1.00535212095302e-66	91.9881305637982
RELA-regulon	ASC	IgM		
0.084304222306261			0.228236421154679	-0.0357410033489111
0.302594955127251			0.138960839939379	
1.62538284397684e-35			9.27685495555067e-115	100
RELB-regulon	ASC	IgM		
4275231.5			100	100
1.62697884043623e-43			-0.00781830460569541	4592829.5
REST-regulon	ASC	IgM		
0.209774644822874			6.86781483370494e-36	
0.335883118244439			100	100
4.87637862094442e-25			0.0921144377012664	-0.0131670304561542
RFX5-regulon	ASC	IgM		
0.0555546079603429			0.281670260979884	
0.338137544230543			4.53001951650871e-43	100
2.13159305798561e-24				100
RXRA-regulon	ASC	IgM		
8946631	0.589441738689641		0.0208998936001903	0.00641741591249043
9.1146427251607e-09			6.61132535698276e-09	
SETDB1-regulon	ASC	IgM		
0.050616814362891			72.700296735905	64.1999156286774
0.396952413743895			-0.00916880776403309	6025000.5
			6.6210425189906e-11	

9.89671618628068e-11	94.9554896142433	95.0531761362375		
SOX5-regulon ASC IgM				
0.00454420622079757	-0.00328348318391183	7124174.5		
0.469370627223633	0.00794278829015314	0.00916972306668086		
17.2106824925816	22.5338040365017			
SP1-regulon ASC IgM				
0.00788955005443789	-0.00514251628748833	6098160.5		
0.401772502736336	1.23144517659349e-10			
1.82151265704453e-10	45.1038575667656	59.9325029418948		
SP2-regulon ASC IgM	0.0346553183932771	0.00646316217076322		
10394521	0.684834831243848	1.12959070640295e-31		
2.46772123552645e-31	100	100		
SP3-regulon ASC IgM	0.0284616034699164			
0.000193137561535075	7571714.5	0.498856447722228		
0.942245496714174	0.955706146667234	100	100	
SP4-regulon ASC IgM				
0.00329253923549348	-0.00538538141026118	6357137		
0.418834965515874	1.39759262720263e-10			
2.04596034085333e-10	13.353115727003	29.1325295854704		
SPI1-regulon ASC IgM	0.388484950934774	-0.0302829330604887		
4348704.5	0.286510971730863			
1.10391782833999e-41	3.01454483892845e-41	100	100	
SPIB-regulon ASC IgM	0.541226858170966	-0.0233981359629862		
5144975	0.338972626625009	1.94402319287945e-24		
3.63225386038003e-24	100	100		
SREBF1-regulon ASC IgM				
0.0322515082654652	-0.00874330691526768	5573670		
0.367216859137511	4.00937922506902e-17			
6.62013779023024e-17	95.5489614243323	96.9049046382025		
SREBF2-regulon ASC IgM	0.0886277381579272	-0.0104323753632783		
4126109.5	0.271845475431349			
2.33921862072395e-47	7.72486149169306e-47	100	100	
SRF-regulon ASC IgM				
0.0143209051577684	-0.00649651957116463	5194726.5		
0.342250465027243	1.61438142576413e-23			
2.86552703073133e-23	97.0326409495549	97.9417837873843		
STAT1-regulon ASC IgM	0.0974498738656476	0.0178136627275513		
11677955.5	0.769392902675907			
2.59364790326231e-65	1.31535000808303e-64	100	100	
STAT2-regulon ASC IgM	0.0839384328888943	0.0178365473128387		
10639215	0.700956302757195	3.94570418911227e-37		
1.00051784795347e-36	100	99.9622549346122		
STAT5A-regulon ASC IgM				
0.0647882401828743	-0.00687061508448136	6354863		
0.418685144816464	2.58115961568267e-07	3.4577798625183e-07		
100	100			
TBP-regulon ASC IgM	0.0130968296489564	-0.007862831542647		
6649244	0.438080205200333	2.71835358119575e-05		
3.41598414628138e-05	41.2462908011869	49.9500432958103		
TCF12-regulon ASC IgM				

0.00618225174628441	-0.00288287218099285	7218235.5	
0.475567762143235	0.0424280787518719	0.0463445167905063	
21.0682492581602	25.2514487444215		
TFDP1-regulon	ASC IgM	0.494473095327819	-0.0339422907095336
4447411	0.29301417176001	2.75144947670653e-39	
7.10374228531505e-39	100	100	
TFDP2-regulon	ASC IgM	0.0327047723533541	0.00562338255985192
10377348	0.683703401661191	2.62413719982296e-31	
5.64587094507364e-31	100	99.995559404072	
TFEC-regulon	ASC IgM	0.0760661139992432	-0.015591224822102
4567656	0.300936418901838	1.82012604259126e-36	
4.45617065599929e-36	100	100	
THAP1-regulon	ASC IgM	0.0323520493565443	-0.0048490769687152
5048930.5	0.332644810369753		
2.89145149103998e-26	5.86551588182396e-26	100	100
THAP11-regulon	ASC IgM		
0.170646647681681	-0.00788965743243683	5059379.5	
0.333333234507014	4.6057413929361e-26	9.0835455249573e-26	
100	100		
TP53-regulon	ASC IgM		
0.0887570977225554	-0.00967142249442791	5645496.5	
0.371949091532475	4.95133039198289e-16		
8.08148178921346e-16	100	100	
USF2-regulon	ASC IgM	0.116635405730208	-0.0087155281564042
4657587	0.306861452023479	1.98837619387303e-34	
4.48173681793604e-34	100	100	
XBP1-regulon	ASC IgM	0.31343516079359	0.119029304995454
14621954	0.96335592568867	2.00378089580392e-189	
2.65660850027957e-187	100	100	
YBX1-regulon	ASC IgM		
0.0903219826432203	-0.00489815714427357	5433603.5	
0.357988688076005	2.3165585786298e-19		
4.01160144104185e-19	100	100	
YY1-regulon	ASC IgM	0.601242099314868	-0.0385152794663985
4213401.5	0.277596640115988		
4.35088013889441e-45	1.28713537442293e-44	100	100
YY2-regulon	ASC IgM	0.0239146588756049	-0.0272900769478265
4009414.5	0.264157117244185		
1.59982379083085e-50	5.67937445744951e-50	73.8872403560831	
90.6547658695797			
ZBTB33-regulon	ASC IgM	0.340884865441482	-0.0251277680667447
3822355	0.25183284938085	1.0576911114357e-55	
4.29120393782484e-55	100	100	
ZNF143-regulon	ASC IgM		
0.0209621163896133	-0.00238634241502332	6359361.5	
0.418981524946761	2.85255115380889e-07		
3.78562863402676e-07	100	99.993339106108	
ZNF274-regulon	ASC IgM	0.0663696593516593	0.00103582144599904
7890410	0.519853449792903	0.208458068535507	
0.219267005422534	100	100	

ZNF76-regulon	ASC IgM			
0.0135130737396063		-0.00105184478683829		7085816.5
0.466843440597443		0.0356727869012441		0.0395744979685676
99.406528189911		99.4604675947512		
ATF1-regulon	B EIF5A	0.107262018183195		0.00109059984857016
52288738		0.530829976607995		6.49429599793748e-07
9.31505082532447e-07		100	100	
ATF3-regulon	B EIF5A	0.0542854781748648		0.00343684197485872
56468968		0.573267248532898		2.89170442610029e-32
8.05141232365178e-32		100	100	
ATF4-regulon	B EIF5A			
0.107832511986311		-0.000967892027727277		49032719
0.497775201225862		0.719536710938601		0.729815806809153
100	100			
ATF5-regulon	B EIF5A			
0.111860418892572		-0.00692173301527618		42956717
0.436092243807189		6.05289589874564e-25		
1.50791441688049e-24		99.9562554680665	100	
ATF6-regulon	B EIF5A	0.126519312455805		-0.0104195606851842
36280357		0.368314512728146		3.03907341214035e-100
2.53852014425841e-99		100	100	
ATF6B-regulon	B EIF5A	0.0598402121205192		0.00267864848483335
54591216.5039062		0.554204505371129		
2.14925056535399e-18		4.62414515576162e-18		99.912510936133
99.9210953817591				
BACH1-regulon	B EIF5A	0.0488358619319509		0.00584762379541885
57106277		0.579737145005865		6.68819581988693e-38
2.06461697048683e-37		99.9562554680665	99.542817359016	
BATF-regulon	B EIF5A	0.019925807688535		
0.000666007197832712		51337751	0.521175652822928	
0.000285631110435311		0.000365401961097425		54.5494313210849
51.5664887444883				
BATF3-regulon	B EIF5A	0.084689298919873		0.00160662419239002
50803369		0.515750660837852		0.0110179219561149
0.0134874561876579		100	100	
BCL11A-regulon	B EIF5A	0.202597659634682		-0.0020036121610521
46503991.5		0.472103815550557		
6.71912078920116e-06		9.35407011829966e-06	100	100
BHLHE40-regulon	B EIF5A	0.0593791452417265		0.00392574416319359
55734543.5		0.565811445331923		
2.35819675365048e-26		5.97971319675658e-26	100	100
BRF2-regulon	B EIF5A	0.0430970430021434		0.00156347403585166
51885004.5		0.526731314973421		
1.60044451187924e-05		2.16441067320811e-05		99.737532808399
99.7284752842887				
CEBPB-regulon	B EIF5A	0.144010128447368		
0.000966814490405171		51699161	0.524844650568598	
6.07483732464121e-05		7.98728611202826e-05	100	100
CEBPG-regulon	B EIF5A			
0.0678546723445331		-0.000216993314925196		49476425.5

0.502279664711208		0.712922960663134		0.728309787152267
100	100			
CLOCK-regulon	B EIF5A	0.0186026601781033		0.00316750911019067
52660263	0.534601660810036		2.79736645354448e-09	
4.4136226267035e-09		55.3805774278215	50.8656300765839	
CREB1-regulon	B EIF5A			
0.0425780059794145		-0.000414049844086904	48241670	
0.48974455183123	0.0978815717113085		0.110310977642903	100
99.9930378278023				
CREB3-regulon	B EIF5A	0.224772158144463		-0.0158251094340668
33047224.5		0.335492078777923		
2.4805212720017e-155		4.40292525780301e-154	100	100
CREB3L2-regulon	B EIF5A			
0.120252825292387		-0.00687050722031783	43081024	
0.437354195891445		4.94136204532159e-24		
1.16945568405944e-23		100	100	
CREB3L4-regulon	B EIF5A	0.0162254092414996		0.00539590523391537
54424555.5		0.552512579725399		
6.67991241203961e-25		1.63542683191315e-24	39.9825021872266	
30.888837317243				
CREB5-regulon	B EIF5A	0.0416421946039159		0.00259880732797826
54433933	0.552607779156406		2.05204351252734e-17	
4.34910714595346e-17		99.5625546806649	99.6263634253887	
CREM-regulon	B EIF5A	0.140300565143333		-0.0102135414573265
32471890	0.329651341157199		2.07145892921127e-166	
4.90245279913334e-165		100	100	
CTCF-regulon	B EIF5A	0.356074553286215		-0.0155490445795856
34826137	0.353551418453756		1.62278373437998e-123	
1.64596635915684e-122		100	100	
CUX1-regulon	B EIF5A			
0.0691235711986506		-0.00797633451030395	36904135.5	
0.374647048934386		5.14351546595012e-91		
3.31990543711326e-90		100	100	
DDIT3-regulon	B EIF5A			
0.0842149316422637		-0.000729970814526679	48832742	
0.495745054959335		0.492246394451911	0.510211591329718	
100	100			
E2F1-regulon	B EIF5A	0.4068888909496		-0.03244035198157
32993912.5	0.334950860749044		2.42216745938266e-156	
4.9135397033191e-155		100	100	
E2F2-regulon	B EIF5A			
0.0498402637834519		-0.00429721785420516	41835192	
0.424706635504398		5.58258933056317e-34	1.6515160102916e-33	
100	100			
E2F3-regulon	B EIF5A	0.0242526316534494		0.00330377011461408
60928262.5		0.618537555020754	1.3734259084794e-81	
8.12610329183648e-81		100	100	
E2F4-regulon	B EIF5A			
0.390735856019437		-0.00834192395639022	44734443	
0.454139538255096		1.34348637604895e-13		

2.61335706025961e-13	100	100		
E2F6-regulon	B EIF5A	0.0753573814560314	0.00311299167530632	
52433262	0.53229716963031	1.8610258826325e-07		
2.72438840550324e-07	100	100		
E2F7-regulon	B EIF5A			
0.0300757104907388	-0.000524753330398454	48094450.5		
0.488249994365696	0.0579031093658666	0.0657779322396245		
100	100			
E2F8-regulon	B EIF5A			
0.0700533725808572	-0.00499487532554845	44211890		
0.448834633080937	1.48127266695356e-16	3.0932458633442e-16		
100	100			
EGR1-regulon	B EIF5A	0.0487058205929684	0.00130874583075925	
53331978	0.54142084351315	2.30522758056812e-11		
4.14357362583131e-11	100	100		
EGR2-regulon	B EIF5A			
0.0449182651119381	-0.00118957318370819	48589229		
0.493272935626607	0.277595674438493	0.298625649774742		
100	99.9953585518682			
EGR3-regulon	B EIF5A	0.0439386374797361	0.00259839951247336	
55453031.5	0.562953563996656	2.9723909844465e-24		
7.15389016595599e-24	100	99.9953585518682		
ELF1-regulon	B EIF5A	0.678765573354329	-0.0297793207895184	
30324630	0.307852574937764	3.68248669362946e-211		
1.30728277623846e-209	100	100		
ELF2-regulon	B EIF5A	0.0340516400716322	0.00146961590840498	
52061573	0.528523820516866	4.15055920165276e-06		
5.89379406634692e-06	99.6062992125984	99.5312137386865		
ELF4-regulon	B EIF5A	0.0217757077564474	0.00350519423629235	
57695561.5	0.585719501614863			
1.56696722196207e-43	5.17463594229334e-43	98.8188976377953		
98.3105128800186				
ELK1-regulon	B EIF5A			
0.0646720755876952	-0.00145626078174889	46591829		
0.47299553296149	1.30971327179285e-05	1.80562412227752e-05	100	
100				
ELK3-regulon	B EIF5A			
0.0593299758282606	-0.00587126926407152	40207101.5		
0.408178425509529	1.090274545863e-49	4.3005273753485e-49		
100	100			
ELK4-regulon	B EIF5A	0.0738695996333791	0.0304043065138739	
76211260	0.773688999016687	0	0	
99.5188101487314	96.5815734509167			
ESRRA-regulon	B EIF5A			
0.0909157915412883	-0.000863432869719599	47710695.5		
0.484354152441318	0.0115628123553439	0.0140334987560584		
100	100			
ETS1-regulon	B EIF5A	0.221347016752729	-0.0227374819209238	
30881504.5	0.313505908506621			
4.86903937253463e-199	1.38280718179983e-197	100	100	

ETV2-regulon	B EIF5A	0.0301901744485001	0.0016724027523052
53994149.5		0.548143141570056	
7.83479152057849e-15		1.58934342274592e-14	100 100
ETV3-regulon	B EIF5A	0.0140775002751472	0.00278894935595978
56520565.5		0.573791061131283	
7.99819822125138e-33		2.27148829483539e-32	88.4951881014873
84.1285681132513			
ETV5-regulon	B EIF5A	0.0343917201942661	
0.000977314176565623		52777563 0.535792478539393	
7.61137565733789e-09		1.17479928624128e-08	100 100
ETV6-regulon	B EIF5A		
0.456070823522664		-0.00368996870214311	46836764
0.475482088294312		7.58493925316257e-05	9.8812970087072e-05
100 100			
ETV7-regulon	B EIF5A		
0.0558639548683323		-0.00864779221509191	34887732
0.354176724660404		1.76157429090712e-122	
1.66762366205874e-121		100 100	
FLI1-regulon	B EIF5A	0.132325495700467	-0.0122217395715895
36601844 0.371578216217983		1.97478575352188e-95	
1.47589251052688e-94		100 100	
FOS-regulon	B EIF5A		
0.0803422721987433		-0.00625012797026644	40381130
0.409945145230019		7.30282286416764e-48	
2.80270499111299e-47		100 100	
FOSB-regulon	B EIF5A	0.0421724718330355	
0.000736072558811869		50672090 0.514417929715156	
0.0199636846993428		0.023623693560889	99.6062992125984
99.3084242283592			
FOSL1-regulon	B EIF5A	0.0632864043502608	0.00262493969618349
53676055.5		0.544913883472851	
4.19779398388395e-13		8.05522629339894e-13	100 100
FOX01-regulon	B EIF5A	0.0224708063314083	0.00608013257176618
55836074 0.566842172693138		3.16558618481914e-30	
8.48138185366638e-30		60.673665791776 51.9006730099791	
FOX03-regulon	B EIF5A		
0.019607533512805		-0.000143614325414217	49471113.5
0.502225737824777		0.69664978117215 0.716842528452502	
46.6754155730534 46.7649106521235			
GABPA-regulon	B EIF5A	0.0267052552520852	0.00128190964203426
53169358 0.539769941730131		1.37350570440281e-10	
2.37850987835608e-10		100 100	
GTF2B-regulon	B EIF5A		
0.0716839911569304		-0.00776413943100575	39226359
0.398222026899689		1.22986573039476e-60	
5.13649805047224e-60		100 100	
HINFP-regulon	B EIF5A	0.0165991427778977	
0.000388151377779148		49125872.5 0.498720886130821	
0.832282094458174		0.838184804347948	61.3298337707786
63.3348804827106			

HIVEP3-regulon	B	EIF5A		
0.0692580022612606			-0.00887718960555701	41854961.5
0.424907333467744			8.29283891705076e-34	2.4032308698392e-33
99.4313210848644			99.7075887676955	
H0XB2-regulon	B	EIF5A		
0.0371321318818938				
3.09674692861722e-05			50203756.5	0.509663455418038
0.118044335116536			0.130955434269907	83.7707786526684
83.7270828498492				
IKZF1-regulon	B	EIF5A		
0.139079609334253			-0.00503835109626907	39059508
0.396528172432844			1.30666520725345e-62	5.7983268571872e-62
100		100		
IRF1-regulon	B	EIF5A		
0.130245650073889			-0.00547249275160103	43779477.5
0.444444825140649			3.06050365132549e-19	
6.68602336135723e-19			100	100
IRF2-regulon	B	EIF5A		
0.0838655558726579			-0.00121613320078573	47595145
0.483181095458914			0.00663673438967081	0.00826680950292329
100		100		
IRF3-regulon	B	EIF5A		
0.137033614406387			-0.00885923425906285	33369159.5
0.338760330318422			2.66286662384142e-149	
4.20141178428313e-148			100	100
IRF4-regulon	B	EIF5A		
0.0584877749957086				
7.94263576568421e-05			51745127	0.525311292748884
4.4038799633472e-05			5.84440144668508e-05	100
99.9953585518682				
IRF5-regulon	B	EIF5A		
0.0527272932557965				0.00598400544064977
53915410.5			0.547343791210364	
1.72275868303595e-14			3.44551736607191e-14	86.6141732283465
80.15316778835				
IRF7-regulon	B	EIF5A		
0.0998140532492855			-0.00844615107647262	38288554
0.388701525444618			3.77063522509592e-72	
1.98307482208748e-71			100	100
IRF8-regulon	B	EIF5A		
0.0732676393195593			-0.00895650559126174	36665317
0.372222587690579			1.70420392692514e-94	
1.20998478811685e-93			100	100
IRF9-regulon	B	EIF5A		
0.0380308805833437				0.00433294934410479
60063081			0.609754319988256	3.26023933795346e-70
1.65340709281925e-69			100	100
JUN-regulon	B	EIF5A		
0.0891783387635406				
0.000819332630108915			49723651.5	0.504789478044184
0.439514662178695			0.458905014921872	100
100		100		
JUNB-regulon	B	EIF5A		
0.158898636810618			-0.000930743952087448	47597079.5
0.483200734307144			0.00670052075295063	0.00827368649494773
100		100		

JUND-regulon	B EIF5A	0.0404270390561339	0.0020738288446035
		54127603.5	0.549497953072645
1.36162096421126e-15		2.80217647707244e-15	100 100
KLF11-regulon	B EIF5A	0.0246484770339974	0.0028558649471481
		50993950.5	0.00135023365956178
		0.00171190338980155	43.0008748906387 40.7449524251566
KLF12-regulon	B EIF5A		
		0.0415195398326602	-0.00582346571224631 42232906
		0.428744187784139	1.31022344856509e-30
		3.57791787877389e-30	97.7252843394576 98.6493385936412
KLF13-regulon	B EIF5A		
		0.0632851021664498	-0.00316652302595906 45448469
		0.461388257948378	4.60897818840792e-10
		7.79136788992768e-10	100 100
KLF2-regulon	B EIF5A		
		0.106032476146417	-0.00296527888403024 45996552
		0.466952341098927	9.61589333223278e-08 1.4223508887261e-07
		100 100	
KLF3-regulon	B EIF5A	0.0731532391396434	0.00118365321284979
		50524139 0.512915946135649	0.0371045655930983
		0.043187281264098	99.6937882764654 99.872360176375
KLF4-regulon	B EIF5A	0.0173758566328049	0.00155437284825685
		50400020.5	0.511655907684317 0.0441402378666704
		0.0505476917505419	50.3937007874016 49.7818519378046
KLF6-regulon	B EIF5A	0.0723052245291627	0.00308054235937233
		52513921 0.5331160116357	9.04825314897677e-08
		1.35247573384705e-07	100 100
KLF7-regulon	B EIF5A	0.0489235173456834	0.00307994407330307
		53046275.5	0.538520420645957
		5.06177800412963e-10	8.4561467833695e-10 98.9938757655293
		97.4796936644233	
KLF8-regulon	B EIF5A	0.0269807976282167	0.00197349683999223
		52029721 0.528200462236256	4.71287727412354e-06
		6.62602547451032e-06	80.6211723534558 77.4773729403574
MAFB-regulon	B EIF5A		
		0.0556815259363517	-0.000106757798737554 49792213.5
		0.505485512529778	0.375966740604046 0.401408098990786
		100 99.9976792759341	
MAFF-regulon	B EIF5A	0.014395923295826	0.00211556255085397
		50799541.5	0.515711804445192 0.00146346507034661
		0.00183904460167451	31.1023622047244 28.4103040148526
MAFG-regulon	B EIF5A	0.0271285690758412	0.00181252995641345
		50558990.5	0.513269755036712 0.0262838640668385
		0.030845526425546	59.7550306211724 58.5402645625435
MAX-regulon	B EIF5A	0.19432072309693	-0.00352718302041763
		41370908.5	0.419993276397424 3.80429422505037e-38
		1.20046617768256e-37	100 100
MAZ-regulon	B EIF5A		
		0.129436207390541	-0.00723194424235907 38851698
		0.394418506343008	4.09950016520081e-65

1.94043007819505e-64	100	100		
MEF2A-regulon	B EIF5A	0.0464670166025497	0.00601577015625621	
59837644	0.607465706378255		2.15976180366767e-67	
1.05753853834762e-66	100	99.9976792759341		
MLX-regulon	B EIF5A	0.0530349123526026	0.00011526132894879	
49970714	0.507297631541706		0.238866398420329	
0.260915604428359	99.9562554680665	99.9907171037364		
MXD4-regulon	B EIF5A	0.0704977753933591	-0.0228210574549721	
45520719	0.462121732636751		9.47459242604127e-10	
1.52885468692939e-09	83.4645669291339	88.8767695521003		
MXI1-regulon	B EIF5A	0.0681339026071762	0.00305843194439363	
53010188	0.538154063997976		7.36682172462019e-10	
1.21638219173961e-09	100	100		
MYBL1-regulon	B EIF5A	0.0200265611407815	-0.0103869421106813	
42635059	0.432826804342657		1.36080190447254e-27	
3.51334309882002e-27	75.4593175853018	80.304014852634		
MYC-regulon	B EIF5A			
0.313460290425754	-0.00149688007217058	48540836		
0.49278165478793	0.244007580023308	0.264496766132136		100
100				
NFATC1-regulon	B EIF5A	0.0581158482072139	0.00800109358963407	
57812457.5	0.586906217977104			
1.05829652097026e-44	3.57805014232803e-44	96.8066491688539		
94.7226734741239				
NFE2L1-regulon	B EIF5A	0.182852564820755		
0.000195259257902675	50026393	0.507862879115047		
0.204421472159017	0.225022085632406	99.8687664041995		
99.9396611742864				
NFE2L2-regulon	B EIF5A			
0.110648802473326	-0.000244019597101922	50222506.5		
0.509853803520557	0.111747637813561	0.124946177712801		
100	100			
NFKB1-regulon	B EIF5A	0.0630347110225679	0.00670363728390446	
57388218	0.582599381505717	1.52010908634357e-40		
4.90580659683608e-40	99.912510936133	99.9326990020887		
NFKB2-regulon	B EIF5A	0.0755823345534526	0.00232276007034984	
52854109	0.536569565785015	3.58540654999231e-09		
5.59481022086712e-09	100	100		
NFYA-regulon	B EIF5A	0.0248142495783574	0.00407093325994591	
59302029	0.602028197101958	6.31350623503008e-61		
2.71672086477052e-60	99.6937882764654	98.9812021350661		
NFYB-regulon	B EIF5A	0.0981996095059098	-0.0109783669597918	
36318918	0.368705980097812	1.16509093143101e-99		
9.19127290351129e-99	100	100		
NFYC-regulon	B EIF5A			
0.0759616691492137	-0.00797483421662767	34130735		
0.346491767723743	1.62780730712566e-135			
2.10135125101676e-134	100	100		
NR1H3-regulon	B EIF5A	0.010982813555525	0.00257831854992472	
51461091.5	0.522427793096993			

6.20647339286823e-07	8.99305328354376e-07	26.0279965004374
21.8960315618473		
NR2C2-regulon B EIF5A	0.024789638365988	0.00316280922944907
53086482	0.5389285929651	2.49951059242492e-10
4.27627113402818e-10	79.2650918635171	75.8041308888373
NR3C1-regulon B EIF5A		
0.219262662778599	-0.00654463510499431	38007382
0.385847095754943	8.41950434516381e-76	
4.78227846805305e-75	100	100
NRF1-regulon B EIF5A	0.0277209626883117	0.00104441328261449
53001035	0.538061143668251	8.09745722297972e-10
1.32165393754382e-09	100	99.9651891390114
PAX5-regulon B EIF5A	0.0953657775376852	-0.0051619559755333
41592870	0.422246607083142	4.01198268762025e-36
1.21213093966399e-35	100	100
POU2F1-regulon B EIF5A	0.0058186165643322	0.00098843196000863
52177427	0.529699958600557	1.2319479568126e-12
2.33248813156519e-12	24.0157480314961	18.045950336505
POU6F1-regulon B EIF5A		
0.0273390783755196	-0.00385738278921623	45898623.5
0.465958180877193	1.99733807869994e-08	
3.01725539548289e-08	59.8862642169729	65.6440009282896
REL-regulon B EIF5A		
0.262160022395524	-0.00163429380197327	48731890.5
0.494721220737405	0.394222167605431	0.41775781940277
100		100
RELA-regulon B EIF5A		
0.0919078515234028	-0.000164918583868426	48768123.5
0.495089054486662	0.428000591884298	0.450193215167188
100	100	
RELB-regulon B EIF5A		
0.100125642407282	-0.00532637410012937	40540803.5
0.41156613444322	3.22038716921757e-46	1.14323744507224e-45
100		100
REST-regulon B EIF5A		
0.213889838404005	-0.00497949597963646	40415939
0.410298522675383	1.67686266088571e-47	
6.26617099594136e-47	100	100
RFX5-regulon B EIF5A		
0.0562797355565817	-0.00954985142143264	34398736.5
0.349212491830259	7.98798096528382e-131	
8.72533305438694e-130	100	100
RXRA-regulon B EIF5A	0.016962445221413	0.00256134457292306
53320958.5	0.541308974664312	
8.80707136299535e-12	1.60333863275044e-11	69.4663167104112
63.9870039452309		
SETDB1-regulon B EIF5A		
0.0594907067007116	-0.000238853426858733	49254394
0.500025623392574	0.996700748593361	0.996700748593361
92.3884514435696	95.1937804595034	

S0X5-regulon	B EIF5A	0.0118915465958711	0.004305131532586
54224006.5		0.550476626572758	
7.63788358182686e-29		2.00848049744336e-28	31.6272965879265
22.0097470410768			
SP1-regulon	B EIF5A	0.0181143807500735	0.00539215889006672
57759285.5		0.586366421214057	
4.18397011371074e-47		1.52339424653058e-46	70.3412073490814
59.264330471107			
SP2-regulon	B EIF5A		
0.0277983157096507		-0.000465281800028503	47761630
0.484871234330798		0.0146159771944897	0.0175887183187927
100	100		
SP3-regulon	B EIF5A	0.0296165572923499	0.0014180994959555
53574962.5		0.543887597567361	
1.40674980833534e-12		2.62840095767919e-12	100 100
SP4-regulon	B EIF5A	0.0109735081871126	0.00245949068953154
52490201	0.532875208596141	3.57958671400193e-11	
6.35376641735342e-11		34.7331583552056	28.7119981434207
SPI1-regulon	B EIF5A	0.395361686213455	-0.0244110996079357
29456529.5		0.299039706512666	
8.91407048639531e-231		4.21932669689378e-229	100 100
SPIB-regulon	B EIF5A	0.54360217005885	-0.0219551286473042
33412072	0.33919597367572	1.66002869670064e-148	
2.35724074931491e-147		100 100	
SREBF1-regulon	B EIF5A		
0.0372939532028227		-0.00382881918494328	43692645.5
0.443563315463961		8.32018391895043e-20	
1.84604080701713e-19		94.5319335083115	97.0201902993734
SREBF2-regulon	B EIF5A		
0.0944990948881601		-0.00472139872350062	39054942
0.396481818862918		1.15265049847586e-62	
5.27988292850231e-62		100 100	
SRF-regulon	B EIF5A	0.0231183301147838	0.00247378068888025
55161545.5		0.559994427622748	
3.55955859995453e-22		8.15253743860553e-22	98.9063867016623
97.8834996518914			
STAT1-regulon	B EIF5A		
0.0785666412230692		-0.00126563028088776	46615188.5
0.473232676241532		1.55887057980338e-05	
2.12845790703924e-05		100 100	
STAT2-regulon	B EIF5A	0.0681057939895882	0.00197072248150459
51534971	0.523177810304462	0.000183391817937078	
0.000236742164973319		99.9562554680665	99.9628684149455
STAT5A-regulon	B EIF5A	0.0745104412722433	0.00305660162082272
53441008.5		0.542527710115372	
6.70048167149167e-12		1.23567324331405e-11	100 100
TBP-regulon	B EIF5A	0.0639999140864883	0.0453851076720392
80243141.5		0.81462025198231	0
88.1014873140857	47.8579716871664		
TCF12-regulon	B EIF5A	0.0114629884274931	0.00254762189572501

	51246906.5	0.520253408652301	1.8235742102636e-05
	2.4429013005418e-05	28.3902012248469	25.0522162914829
TFDP1-regulon	B EIF5A	0.508380097489148	-0.0208327384821119
	38258787.5	0.388399338948958	
	1.56399277378684e-72	8.54180668760502e-72	100 100
TFDP2-regulon	B EIF5A		
	0.0270422316812533	-8.52150945480044e-05	50504303
	0.512714573071033	0.0401589372226185	0.0463623502895271
	100	99.9953585518682	
TFEC-regulon	B EIF5A	0.0940809889907786	0.00267416553384214
	53288912.5	0.540983646915335	
	3.72325422309098e-11	6.52718641578913e-11	100 100
THAP1-regulon	B EIF5A	0.0382507813314205	0.00114326489900245
	52917087.5	0.537208917143654	
	1.90793502381519e-09	3.04412104923323e-09	100 100
THAP11-regulon	B EIF5A		
	0.175761753088677	-0.00286004312257296	43521888
	0.441829802604449	6.08184545434812e-21	
	1.37082865796418e-20	100 100	
TP53-regulon	B EIF5A	0.108066947739947	0.0102254016398844
	61617135	0.625530918927545	2.87132892932012e-91
	1.94156527601646e-90	100 100	
USF2-regulon	B EIF5A		
	0.120859351169776	-0.00466170629775849	40190536.5
	0.40801025930589	7.27612683659699e-50	2.95202860227649e-49 100
	100		
XBP1-regulon	B EIF5A	0.18279372915476	-0.0131590794697917
	34334771.5	0.348563125623453	6.17239904143782e-132
	7.30400553236809e-131	100 100	
YBX1-regulon	B EIF5A		
	0.0930438981737781	-0.00225338734059748	44692673.5
	0.453715498518127	8.00478142211145e-14	
	1.57872078047198e-13	100 100	
YY1-regulon	B EIF5A	0.614927210739505	-0.0258462301202783
	35334527.5	0.358712547361146	
	4.22688458311727e-115	3.75136006751657e-114	100 100
YY2-regulon	B EIF5A	0.0527885915509142	0.00188131337715656
	50722064	0.514925260705837	0.0159553426616987
	0.0190391483862287	89.8075240594926	90.5685773961476
ZBTB33-regulon	B EIF5A		
	0.358980300572642	-0.00720889026332328	43201160
	0.438573804405802	3.61547851383747e-23	
	8.41635981909707e-23	100 100	
ZNF143-regulon	B EIF5A	0.0268536454520769	0.00370980614314494
	61373174	0.623054251544155	8.89669087654833e-88
	5.49273958465157e-87	100 99.9930378278023	
ZNF274-regulon	B EIF5A	0.0670056624074452	0.00175241672698287
	52737361.5	0.535384356979745	
	1.12329806742188e-08	1.71514328574093e-08	100 100
ZNF76-regulon	B EIF5A	0.0169065490555792	0.0024740844414755

57945199.5	0.588253801327747		
4.88355652529221e-46	1.69137811363779e-45	99.6062992125984	
99.4523091204456			
ATF1-regulon B LY9			
0.102701708080722	-0.00358036005674849	14004290.5	
0.444058776003567	3.24291997582238e-07		
5.29304179961814e-07	100 100		
ATF3-regulon B LY9			
0.0488824181950674	-0.00217317503798128	15552173.5	
0.493140236458613	0.531015290010309	0.558549416158992	
100 100			
ATF4-regulon B LY9			
0.106801062011555	-0.00198140903356452	15770592.5	
0.500066033506019	0.995189606918874	0.998566325283668	
100 100			
ATF5-regulon B LY9			
0.114664005179128	-0.00382901151308394	14843864	
0.47068061598718	0.00741626471487056	0.00957372354101473	100
99.9977613610925			
ATF6-regulon B LY9			
0.134217647025864	-0.00223101053220523	17766041.5	
0.563339259701773	7.27853285602432e-09		
1.29193958194432e-08	100 100		
ATF6B-regulon B LY9	0.0600382989038765	0.00278512086619856	
18373790.7460938	0.582610238573389		
4.52885151133774e-14	9.45730756779352e-14	100	
99.9194089993284			
BACH1-regulon B LY9	0.0598419350358669	0.0168208122343383	
22535328.5	0.714567467059348		
1.70333602858726e-85	4.83747432118782e-84	100	
99.5567494963062			
BATF-regulon B LY9			
0.0152140554905628	-0.00414377026148587	14961737.5	
0.474418239262936	0.0131398393924507	0.016084975808	
47.3087818696884	51.7864338482203		
BATF3-regulon B LY9	0.0683099708976349	-0.0150884027733824	
12205815.5	0.387031352359862		
5.92218680752682e-25	1.55731579012742e-24	100 100	
BCL11A-regulon B LY9	0.215236117320346	0.0109054624563451	
19480616	0.617706301990486	5.9672467126873e-27	
1.80287028340765e-26	100 100		
BHLHE40-regulon B LY9	0.0703562279879648	0.0149374618913212	
23145553	0.733916933178848	3.0073275798302e-101	
2.13520258167944e-99	100 100		
BRF2-regulon B LY9			
0.0406474774494405	-0.000980107237846355	15310210	
0.4854678723608	0.184467345885802	0.203057078416929	
99.7167138810198	99.7291246921872		
CEBPB-regulon B LY9			
0.139968445430035	-0.00317294318788722	15304438	

0.485284849361164	0.17900039059508	0.198578558316417	100
100			
CEBPG-regulon B LY9			
0.0593882090642635	-0.00880959211429685	13002714	
0.412300020737533	1.15572362942319e-15		
2.52481162120143e-15	100	100	
CLOCK-regulon B LY9	0.0199754363325252	0.00444994534007528	
17429381	0.552664170552576	3.08549498403229e-07	
5.09465450851844e-07	59.2067988668555	50.9648533691516	
CREB1-regulon B LY9	0.0446100380586315	0.00166474322464401	
16834625	0.533805191486069	0.0020204433364789	
0.00273240908361909	100	99.9932840832774	
CREB3-regulon B LY9			
0.233324727519268	-0.00657762654046978	14446882	
0.458092806485838	0.00012965412874725	0.00019178006543864	
100	100		
CREB3L2-regulon B LY9	0.12638590639485	-0.000397480815270967	
18892331	0.599052510351327	1.4853080583381e-19	
3.5748092251527e-19	100	100	
CREB3L4-regulon B LY9	0.012459950444924	0.00138007831152889	
16429742	0.520966851021434	0.019905225849577	
0.0237524543751255	35.6940509915014	31.2782628162077	
CREB5-regulon B LY9	0.03593733511178	-0.00328813737525351	
15262445	0.483953303133904	0.142800665036167	
0.162221555481086	99.4334277620397	99.6261473024401	
CREM-regulon B LY9	0.143104869528493	-0.0070036576139498	
11550469	0.36625112328305	2.60324220634596e-34	
9.99082144057097e-34	100	100	
CTCF-regulon B LY9	0.36206955228623	-0.00890931847570314	
12506142.5	0.396554351045216	3.48586115796417e-21	
8.53434973156746e-21	100	100	
CUX1-regulon B LY9			
0.0745368612676811	-0.00219536162696822	15295160.5	
0.484990671280926	0.170467058232787	0.190600962748471	
100	100		
DDIT3-regulon B LY9	0.092531316772253	0.00774367247057173	
19409158	0.615440456961374	5.50530634745973e-26	
1.56350700267856e-25	100	100	
E2F1-regulon B LY9	0.405139320587518	-0.033070142637915	
9257328	0.293538451001395	2.68290545687322e-79	
5.44246535537139e-78	100	100	
E2F2-regulon B LY9	0.0525081185162547	-0.001435203514261	
16253222.5	0.515369635431629	0.160435276494957	
0.180808010018126	100	100	
E2F3-regulon B LY9	0.0231010916359227	0.00201717426468389	
18028590.5	0.571664364610226		
5.96360483377033e-11	1.09978167064336e-10	100	100
E2F4-regulon B LY9	0.369850368047542	-0.0292624447166676	
9976535	0.316343617754626	3.90054657283921e-63	
3.95626866673691e-62	100	100	

E2F6-regulon	B LY9	0.0591009716952773	-0.0135104552947174
11763898.5		0.373018709440524	
4.29839096965804e-31		1.41946864579405e-30	100 100
E2F7-regulon	B LY9	0.032562093879538	0.0020194876123412
18073748.5		0.573096269083128	
2.46535755430843e-11		4.73082125286212e-11	100 100
E2F8-regulon	B LY9	0.067797535459356	-0.00710969426915428
0.382816892655045		1.00054418065684e-26	12072904
2.95994320110981e-26		100 100	
EGR1-regulon	B LY9	0.0494848027632652	0.00205374866368488
18029787.5		0.571702320003602	
5.82685644238445e-11		1.08870212476131e-10	100 100
EGR2-regulon	B LY9	0.0452738234829196	-0.000786319495059987
0.503000442020204		0.784077129958236	15863135
100	99.9955227221849		0.812693083606346
EGR3-regulon	B LY9	0.0420418985365079	
0.000579776330972809		16642490 0.52771282765461	0.0113791686861001
0.0141740522230369		100 99.9955227221849	
ELF1-regulon	B LY9	0.692754808480787	-0.0145156794206889
12224329.5		0.387618408460914	
1.03344776008239e-24		2.66817421694e-24	100 100
ELF2-regulon	B LY9	0.0403836715391173	0.00784974276610189
20149682 0.638921559487865		6.99715987882354e-37	
3.20515065417078e-36		100 99.5276471905082	
ELF4-regulon	B LY9	0.0219197952122911	0.00352757850992159
18799344.5		0.596104023144863	
1.68512672025639e-18		3.79822213137155e-18	99.4334277620397
98.3187821804343			
ELK1-regulon	B LY9	0.0643232141892095	-0.00175912719729679
0.461473468323894		0.000434189063572426	14553498
0.000610444029973113		100 100	
ELK3-regulon	B LY9	0.0719651066774835	0.00717122688214672
19556652.5		0.620117325606541	
5.35404044905845e-28		1.68949720836956e-27	100 100
ELK4-regulon	B LY9	0.0470795040653397	0.00211538372929196
16527450.5		0.52406506702282 0.0279672168174376	
0.0330945399006345		97.8753541076487 96.7114394448175	
ESRRA-regulon	B LY9	0.0791357039174231	-0.0127991622649816
11509177.5		0.364941820755417	
5.94229746797532e-35		2.41087497272141e-34	100 100
ETS1-regulon	B LY9	0.232809954126705	-0.0102891392364237
12966048.5		0.411137402963248	
4.84779717385496e-16		1.07560499794907e-15	100 100
ETV2-regulon	B LY9	0.0328461564879497	0.00431120831920522
19706907.5		0.624881726301344	
3.96373105850978e-30		1.27920411433725e-29	100 100
ETV3-regulon	B LY9	0.0128610096498295	0.0014545858324131

	17001731	0.539103916603408	0.000346265735643484
0.000491697344613747		87.1104815864023	84.3049026192075
ETV5-regulon	B LY9	0.0335286890591028	
6.60749290137611e-05		16065721	0.509424194169265
0.389430850600538		0.412680453621466	100 100
ETV6-regulon	B LY9	0.470810220991784	0.0114128978773999
	19398557	0.615104312328812	7.62733806739703e-26
2.12369020700074e-25		100 100	
ETV7-regulon	B LY9	0.0648811696138257	
0.000817814411085693		17186380.5	0.544958924464011
4.02900974499779e-05		6.08637642329454e-05	100 100
FLI1-regulon	B LY9	0.149656728165037	0.00581569836965617
	17237412	0.546577070376339	2.10375341435198e-05
3.21218263266647e-05		100 100	
FOS-regulon	B LY9	0.0963145056572438	0.0101956134133453
	22695874.5	0.71965818266913	1.65162688458171e-89
5.86327544026507e-88		100 100	
FOSB-regulon	B LY9	0.0537079256062185	0.0124278065137936
	21138033	0.670260950463931	1.61999230597619e-54
1.27799393027011e-53		100 99.3127378553839	
FOSL1-regulon	B LY9		
0.0532933869210775		-0.00761886069751678	14154401.5
0.448818610636008		2.95291895947797e-06	
4.65904991384302e-06		100 100	
FOX01-regulon	B LY9	0.0222287414158795	0.00561918457377148
	17940431.5	0.568868951473538	
2.73588621201431e-11		5.17994456141376e-11	61.7563739376771
52.1938661293933			
FOX03-regulon	B LY9	0.0234560357467139	0.00377079239050264
	16915078.5	0.536356272723295	
0.000314365646494648		0.000450908301032727	52.1246458923513
46.6756212222968			
GABPA-regulon	B LY9	0.0275002512779848	0.00204412863547071
	18018739	0.571351985698078	7.2149509199042e-11
1.31349106490564e-10		100 100	
GTF2B-regulon	B LY9	0.0731556557181761	-0.0059945940665089
	13185971	0.41811087414093	7.52276873334736e-14
1.54816400019612e-13		100 100	
HINFP-regulon	B LY9	0.0183652646263222	0.00216845730608043
	16465573.5	0.522103023684546	0.038392803717011
	0.0450560175852526	65.1558073654391	63.2034922766958
HIVEP3-regulon	B LY9	0.0819739725585603	0.00435374452891921
	17317852	0.549127723545218	7.23959880054229e-06
1.11741633660544e-05		99.8583569405099	99.6910678307589
HOXB2-regulon	B LY9	0.0597920023843358	0.0230478771473103
	22055324.5	0.699347132354293	
2.29089327258886e-74		3.25306844707618e-73	94.4759206798867
83.5594358629953			
IKZF1-regulon	B LY9		
0.138714123073008		-0.00523140482042786	11577880

0.367120292278725		6.88654830109788e-34	2.5733943651471e-33
100	100		
IRF1-regulon	B LY9	0.145401377178331	0.01011633222352
21714607	0.688543400739829	1.93049851656265e-66	
2.28442324459913e-65	100	100	
IRF2-regulon	B LY9	0.0951040483151798	0.0102429964954111
20721717	0.657060083673093	1.17353413789962e-46	
6.94341031590606e-46	100	100	
IRF3-regulon	B LY9	0.151846307502967	0.00650092585017725
20430484.5	0.647825460363725		
1.56476056667363e-41	8.22948149880207e-41	100	100
IRF4-regulon	B LY9	0.0552400067885167	-0.0032224814958161
14822039	0.469988572160591	0.00612990183548173	
0.0079857436755817	100	99.9955227221849	
IRF5-regulon	B LY9	0.0644634193535156	0.0176939613218648
19861031.5	0.629768808213331		
1.25226358688282e-32	4.44553573343401e-32	93.4844192634561	
80.2731139467204			
IRF7-regulon	B LY9	0.115835612817275	0.00812737042918966
20828938	0.660459929314818	1.27428203707562e-48	
8.6165737745113e-48	100	100	
IRF8-regulon	B LY9		
0.077434573187421	-0.00440691817191347	13933608.5	
0.441817536977178	1.0758018080254e-07		
1.79722184399537e-07	100	100	
IRF9-regulon	B LY9	0.0377022988716599	0.00384591590526329
18849743	0.597702097408062	4.55850744999595e-19	
1.06116075065479e-18	100	100	
JUN-regulon	B LY9	0.0965095963134052	0.00823747897054061
20244426	0.64192577485127	2.03119159999463e-38	
9.61430690664125e-38	100	100	
JUNB-regulon	B LY9	0.171973117231321	0.0123832967690701
20918472.5	0.663298957859684		
2.71087111997638e-50	1.92471849518323e-49	100	100
JUND-regulon	B LY9	0.0441978468921254	0.00583088115692668
20425061	0.647653487869177	1.93629754742134e-41	
9.81979470477965e-41	100	100	
KLF11-regulon	B LY9	0.065851639879911	0.0446092218014056
24623049.5	0.780766524547976		
2.79917950197073e-182	3.97483489279843e-180	82.0113314447592	
40.2081934184016			
KLF12-regulon	B LY9	0.0505515515926049	0.00355727396638814
17083907.5	0.541709632045133		
0.000139485891561528	0.000204195841255021	99.2917847025496	
98.5918961271547			
KLF13-regulon	B LY9	0.0705395775898452	0.00431460934908026
20790211	0.659231943918607	6.59980600701702e-48	
4.25987478634735e-47	100	100	
KLF2-regulon	B LY9	0.121228318719712	0.0125756141816202
20749061	0.65792712818142	3.73704732921285e-47	

2.30722052499228e-46	100	100		
KLF3-regulon	B LY9	0.0926851398629044	0.0209823851390282	
21787945	0.690868858249765	4.81405712100931e-68		
6.21451010166657e-67	100	99.8612043877323		
KLF4-regulon	B LY9	0.0186953608090408	0.00283975257515711	
16547993.5	0.524716460210889	0.0157356461042987		
0.0189850583081635	52.1246458923513	49.7761361092456		
KLF6-regulon	B LY9	0.0850350555383821	0.0159026053758606	
21649647	0.686483599274757	4.89077238341096e-65		
5.34222829572582e-64	100	100		
KLF7-regulon	B LY9	0.0615379838903264	0.0157848404756738	
21380542.5	0.677950627548196			
2.18994182368416e-59	1.82924552331265e-58	99.7167138810198		
97.5218267293486				
KLF8-regulon	B LY9	0.0349759777521817	0.0100252355527267	
19918400.5	0.631587908432693			
1.26984494053044e-33	4.623537988598e-33	92.2096317280453		
77.4054175061563				
MAFB-regulon	B LY9	0.0574803508966381	0.00172427328968783	
16951410	0.537508299769604	0.000613910983155078		
0.000854660388313933	100	99.9977613610925		
MAFF-regulon	B LY9	0.0156154083362493	0.00327949280301193	
16686939.5	0.529122266466521			
0.000846784365888873	0.00116741145588563	33.7110481586402		
28.4642937094247				
MAFG-regulon	B LY9	0.0394213349701077	0.0142354703613184	
19851630.5	0.629470714100445			
1.36359570750426e-34	5.37862751293347e-34	74.6458923512748		
58.3478844862324				
MAX-regulon	B LY9	0.201486605323548	0.00387671268334888	
18090634	0.573631687458105	1.76426561741672e-11		
3.43185914620786e-11	100	100		
MAZ-regulon	B LY9			
0.129938027234084	-0.00646639579544714	12168814.5		
0.38585809629445	1.92981632364288e-25	5.26988303764017e-25	100	
100				
MEF2A-regulon	B LY9	0.0440037370981556	0.00330077826822682	
17870375	0.56664754628053	1.15410676308239e-09		
2.07447038427468e-09	100	99.9977613610925		
MLX-regulon	B LY9	0.0574792341258559	0.00462574782734605	
18286510	0.579842673784651	3.06477289336926e-13		
6.12954578673852e-13	100	99.9888068054623		
MXD4-regulon	B LY9	0.0664689315693134	-0.0261063842197145	
14152857	0.44876963644631	2.84080259993193e-06		
4.53251650775657e-06	86.5439093484419	88.6366689053056		
MXI1-regulon	B LY9	0.0809277970249861	0.0159463529345525	
22162635.5	0.702749831784994			
1.53862182367978e-76	2.73105373703161e-75	100	100	
MYBL1-regulon	B LY9			
0.024211347928036	-0.00576862436290129	15809068		

0.501286044147481	0.906136505701988	0.932401331954219
84.8441926345609	79.9843295276472	
MYC-regulon B LY9	0.287886137608992	-0.0274222816324883
12271920	0.389127444508073	4.26754130666697e-24
1.08212654561913e-23	100	100
NFATC1-regulon B LY9		
0.0419662883614995	-0.00868670930785328	14175883.5
0.449499778355723	3.98466786419813e-06	
6.21783337050698e-06	93.7677053824363	94.8444145959257
NFE2L1-regulon B LY9	0.158270259248782	-0.0247824709248002
13787074	0.437171108747751	9.59371007968311e-09
1.66134979428659e-08	100	99.9350794716812
NFE2L2-regulon B LY9		
0.107043403599118	-0.00389776995198539	15245482
0.483415427329532	0.129883471142663	0.148737523405308
100	100	
NFKB1-regulon B LY9		
0.0482209390804344	-0.00858137419034707	13798368
0.437529227555425	1.16305544483112e-08	
1.98980570079542e-08	100	99.9306021938661
NFKB2-regulon B LY9		
0.0716604738596836	-0.00174324198363757	15471177
0.490571937361235	0.389236252469384	0.412680453621466
100	100	
NFYA-regulon B LY9		
0.0240164383042496	0.0240164383042496	0.0031165218221883
18405557.5	0.583617523152156	
2.23628646839572e-14	4.73959221659989e-14	99.8583569405099
99.0038056861428		
NFYB-regulon B LY9		
0.0960069199428106	0.0960069199428106	-0.0128174012516817
10056001	0.318863386585036	1.82704975445711e-61
1.62150665708068e-60	100	100
NFYC-regulon B LY9		
0.0784537811257311	-0.00516126110024694	12667600.5
0.401673985049951	2.7203702552204e-19	6.4382096040216e-19
100	100	
NR1H3-regulon B LY9		
0.0135235967910218	0.0135235967910218	0.00506806192993417
17158537.5	0.544076057281252	
2.97496975798687e-08	5.02911554326352e-08	29.8866855524079
21.9811954331766		
NR2C2-regulon B LY9		
0.025880181419748	0.025880181419748	0.00415871796069785
17749884	0.562826925308732	7.56999215992878e-09
1.32708504532085e-08	83.1444759206799	75.8652339377658
NR3C1-regulon B LY9		
0.228884570868929	0.228884570868929	0.0034608322102665
17018565.5	0.539637717831298	
0.000294764784603758	0.000427108157282996	100
100	100	
NRF1-regulon B LY9		
0.0253682005187395	-0.00138247521510297	14934859.5
0.473565971039749	0.0157763160588965	0.0189850583081635
100	99.9664204163868	
PAX5-regulon B LY9		

0.0991539155588365	-0.00113136628918666	14904161.5
0.472592575328931	0.0123165215575055	0.0152082266188329
100 100		
POU2F1-regulon B LY9	0.00536587919107498	
0.000493577839889243	16387211.5	0.519618261332237
0.00794685373443063	0.0101662453179203	22.2379603399433
18.2852025968211		
POU6F1-regulon B LY9	0.0330699883487345	0.00210054055422592
16458351.5	0.521874022973635	0.0413012007375378
0.0480718893830358	67.2804532577904	65.3234833221401
REL-regulon B LY9		
0.256830237585625	-0.00699050896487607	13230497.5
0.419522754527853	1.98992881480518e-13	
4.03671273860479e-13	100 100	
RELA-regulon B LY9	0.0966544454257976	0.00466252749353435
19513610.5	0.618752516883333	
2.10850175821715e-27	6.50885325362686e-27	100 100
RELB-regulon B LY9		
0.0975715372900946	-0.00773244982699933	11034156.5
0.349879490833313	8.90141807522195e-43	
4.86154371800584e-42	100 100	
REST-regulon B LY9	0.223656066877849	0.00511721292739156
19045370.5	0.603905204106158	
2.33268586053855e-21	5.81125249467498e-21	100 100
RFX5-regulon B LY9		
0.062659109453694	-0.00273186988569875	15400530.5
0.488331823996053	0.286614227422774	0.313070925338722
100 100		
RXRA-regulon B LY9		
0.0133681762576946	-0.00118032708418239	15435057.5
0.489426632573401	0.322948874197244	0.350066718595486
64.3059490084986	64.2623684799642	
SETDB1-regulon B LY9	0.0598804651214988	
0.000165513408065754	15975565 0.506565458626084	
0.548761471316347	0.572971536227362	94.6175637393768
95.0593239310499		
SOX5-regulon B LY9	0.01007459150816	0.00230718521780054
16525146 0.52399199417066	0.00272501778244646	0.00361637873932148
26.7705382436261	22.4266845757779	
SP1-regulon B LY9	0.0158687907031102	0.00292035443478778
17426516.5	0.552573340791235	
6.87409443446114e-07	1.10922887465168e-06	67.4220963172804
59.7022610252966		
SP2-regulon B LY9	0.0285792875727116	
0.000344490407320888	16090380 0.51020610063982	0.35130731955052
0.37792151042556 100	100	
SP3-regulon B LY9	0.0320239236145409	0.00381335485821492
19826220.5	0.628664994346327	
7.04934473617026e-32	2.44148037203946e-31	100 100
SP4-regulon B LY9	0.0107409889140256	0.00213630309550755

	16494117	0.523008102858165	0.00874853415573243
0.011091891518875		32.8611898016997	28.9545556301769
SPI1-regulon	B LY9	0.417098725297297	-0.0014670785009519
	14871009.5	0.471541366305377	0.00935111212072518
	0.0117509550543626	100	100
SPIB-regulon	B LY9	0.543666579225551	-0.0211131377448872
	9088678.5	0.288190783403124	
2.32672786058816e-83		5.50658927005865e-82	100 100
SREBF1-regulon	B LY9		
0.0408346258340751		-9.67597350235022e-05	15767889
0.499980308856068		0.998566325283668	0.998566325283668
	95.6090651558074	96.9151555854041	
SREBF2-regulon	B LY9	0.106219286986685	0.00735102676666725
	21039967.5	0.667151414432943	
1.31091093160434e-52		9.7973343309377e-52	100 100
SRF-regulon	B LY9	0.0264879798855211	0.00580918822209148
	20112460.5	0.637741311639464	
2.75187005154692e-36		1.22114233537394e-35	99.4334277620397
97.9113498992612			
STAT1-regulon	B LY9	0.0852750976774545	0.00559361789278565
	20072221	0.636465366734079	1.19550426547206e-35
4.99298840285389e-35		100 100	
STAT2-regulon	B LY9	0.0727481816783633	0.00661677670682546
	18490815.5	0.58632094915753	3.19256165475648e-15
6.86884477235484e-15		100 99.9619431385718	
STAT5A-regulon	B LY9		
0.0643579059448316		-0.00736450591393296	12721387.5
0.403379504468082		1.10708081017684e-18	
2.53557217814696e-18		100 100	
TBP-regulon	B LY9		
0.0208812273245853		-2.03546209970491e-05	15735226
0.498944605419282		0.917894413855948	0.937705084658595
	47.8753541076487	49.9171703604209	
TCF12-regulon	B LY9	0.0112667708812332	0.00225819252535703
	16510915.5	0.523540762570465	0.00482621798338741
	0.00634558290408345	29.6033994334278	25.1511081262592
TFDP1-regulon	B LY9	0.501967610458996	-0.0266097092606765
	9450503	0.299663791949905	8.99984549411758e-75
1.41997562240522e-73		100 100	
TFDP2-regulon	B LY9		
0.0263923914300598		-0.000742311834838371	15772065
0.500112724664537		0.991787538788378	0.998566325283668
	100	99.9955227221849	
TFEC-regulon	B LY9	0.101196742555401	0.00980779553618874
	20089707.5	0.63701984207766	6.32687120393725e-36
2.72247185139118e-35		100 100	
THAP1-regulon	B LY9	0.0381256090392047	
0.000975676439812716		16827735.5	0.533586733939985
0.00216030616524992		0.00289399505156121	100 100
THAP11-regulon	B LY9	0.179499234331596	0.00103766936930905

16340398.5	0.51813387885095	0.097711729662483	
0.112805411480265	100	100	
TP53-regulon B LY9			
0.0886814393239899	-0.00982816819386267	11751997.5	
0.372641343411648	2.87220551782131e-31		
9.71079008406251e-31	100	100	
USF2-regulon B LY9	0.136308913834113	0.0111969203287787	
23005570.5	0.729478260786847		
1.62725580002886e-97	7.70234412013661e-96	100	100
XBP1-regulon B LY9	0.196349902989977	0.0010767900065701	
19345929.5	0.613435559225317		
3.79559792601602e-25	1.01693378395146e-24	100	100
YBX1-regulon B LY9			
0.0931361625274997	-0.00207996134300149	14420220	
0.457247387356193	9.44901415631102e-05		
0.000141237895810123	100	100	
YY1-regulon B LY9	0.616325541521492	-0.0235116050664732	
9991108	0.316805709607312	7.92887656602622e-63	
7.50600314917149e-62	100	100	
YY2-regulon B LY9	0.0681126186732421	0.0173809905557293	
20598009.5	0.653137471454183		
1.76885100759828e-44	1.00470737231582e-43	98.5835694050991	
90.402955003358			
ZBTB33-regulon B LY9	0.372324368327533	0.00660105970448471	
18228624.5	0.578007195987446	1.0491691157704e-12	
2.06919464499162e-12	100	100	
ZNF143-regulon B LY9	0.0274598525303932	0.00419437651877764	
20323322.5	0.644427485539217		
1.00667655039002e-39	4.92924379846146e-39	100	
99.9932840832774			
ZNF274-regulon B LY9	0.0709108734550072	0.00565736497111861	
19416008.5	0.615657677865569		
4.45723072113761e-26	1.29168727020723e-25	100	100
ZNF76-regulon B LY9	0.015402915677565		
0.000859176861929859	16865076	0.534770755131588	
0.00149635334020971	0.00204309782990172	99.7167138810198	
99.4560107454668			
ATF1-regulon B PLCG2	0.0871437567811967	-0.0193292470902561	
4564108	0.175965860654914	1.20973008876125e-158	
6.36228417052213e-158	100	100	
ATF3-regulon B PLCG2	0.0392293014639523	-0.0119448970631449	
7151722	0.275729434293554	5.20315747354451e-77	
1.21122682171036e-76	100	100	
ATF4-regulon B PLCG2	0.0823730539372226	-0.0267195311273126	
4037541	0.155664453381582	7.01756249553629e-179	
5.86172867274208e-178	100	100	
ATF5-regulon B PLCG2	0.0857556408142917	-0.0331001604060155	
5433261	0.209475421709517	6.35564462475142e-128	
2.654416284455e-127	100	99.997767707659	
ATF6-regulon B PLCG2	0.107592430001563	-0.0291940328184539	

	2800020	0.107952732308476		2.87952395120581e-231
1.36297467023742e-229		100	100	
ATF6B-regulon	B	PLCG2	0.0590832703108211	0.00180985270564116
	13989026.5625		0.539336733222521	0.00112153066651685
	0.00131617648467266		98.7910189982729	99.9352635221108
BACH1-regulon	B	PLCG2	0.0254820614996661	-0.0180308489200338
	6500542.5		0.250623682817398	
9.09738697871396e-95			2.53299794309291e-94	96.3730569948187
99.6048842556421				
BATF-regulon	B	PLCG2		
	0.0154053981599447		-0.00393820685793029	12272585
	0.473160578580874		0.0182941728915585	0.0206172424650898
	47.1502590673575		51.7757885572695	
BATF3-regulon	B	PLCG2	0.0555968900114848	-0.0279230240903841
	6240676.5		0.240604738404832	
2.23676944877867e-102			7.38654097038537e-102	100 100
BCL11A-regulon	B	PLCG2	0.183901824237746	-0.0208647426164945
	7119117.5		0.27447239153652	7.44207012543889e-78
1.7612899296872e-77			100	100
BHLHE40-regulon	B	PLCG2	0.03368961020649	-0.0222454187951622
	4368874.5		0.168438775218687	5.28073418974588e-166
3.26027936932137e-165			100	100
BRF2-regulon	B	PLCG2	0.0261619620884002	-0.0156500688737452
	6423242.5		0.247643437602205	
5.32867666703709e-97			1.54422874840667e-96	97.4093264248705
99.7589124271715				
CEBPB-regulon	B	PLCG2	0.111183330114296	-0.03232111000223
	2628032.5		0.10132187947603	4.39103816659669e-239
3.11763709828365e-237			100	100
CEBPG-regulon	B	PLCG2	0.0492519139772856	-0.0190519232451358
	6945203.5		0.267767263899326	
1.93817514819295e-82			4.66476052615929e-82	100 100
CLOCK-regulon	B	PLCG2	0.016429862775358	
	0.000845929696433781		12951552.5	0.499337676163625
	0.953451850417856		0.960213920278975	49.2227979274611
51.117262316673				
CREB1-regulon	B	PLCG2		
	0.0397454591921645		-0.00326742975645598	11472244
	0.442304014081871		1.76700956129561e-06	
2.22048989118563e-06			100	99.993303122977
CREB3-regulon	B	PLCG2	0.191937389423649	-0.0484812472038214
	2164634.5		0.0834559070021613	
8.51230318611639e-261			1.20874705242853e-258	100 100
CREB3L2-regulon	B	PLCG2	0.100136289027772	-0.026985246906415
	3025892.5		0.116661082080387	
3.36009827371012e-221			9.54267909733674e-220	100 100
CREB3L4-regulon	B	PLCG2	0.01424521012266	0.00318449988420979
	13557681.5		0.52270653841511	0.022228585715469
	0.0246534837278098		34.3696027633851	31.3079000825948
CREB5-regulon	B	PLCG2		

0.0299142887281885		-0.00937970956212293	9995386
0.385364829243323		2.22097668950167e-21	
3.62504241274984e-21		99.6545768566494	99.6227425943702
CREM-regulon	B PLCG2	0.121751591970336	-0.0286130702523405
3747660.5		0.144488321776112	
1.52214021689717e-190		1.96494464363089e-189	100 100
CTCF-regulon	B PLCG2	0.356574827899285	-0.0144498040067788
11068593	0.426741543689142		1.30093598901681e-09
1.82903871723156e-09		100 100	
CUX1-regulon	B PLCG2	0.0832787973714758	0.0066657876368756
16482541	0.635472366746123		3.25814255623567e-29
5.78320303731832e-29		100 100	
DDIT3-regulon	B PLCG2	0.0529203972400767	-0.0324011705121235
3202361	0.123464696605061		1.7156459154964e-213
2.70690800000544e-212		100 100	
E2F1-regulon	B PLCG2	0.423188920423986	-0.0146934979899566
11400196	0.439526255902514		5.48705940983733e-07
6.95680746604376e-07		100 100	
E2F2-regulon	B PLCG2	0.0676633429977206	0.0139199706473415
18421601	0.710231413149389		6.75930047755103e-68
1.49971979345663e-67		100 100	
E2F3-regulon	B PLCG2	0.0230154963542859	0.00192475395459239
14724587	0.567695730303307		2.06369388637942e-08
2.73873394267176e-08		100 100	
E2F4-regulon	B PLCG2	0.334761713566725	-0.0647216597364801
4656064.5	0.179511176555702		
3.09680697576457e-155		1.57052353770918e-154	100 100
E2F6-regulon	B PLCG2	0.0523732545613102	-0.0202868256956028
6612416	0.254936884150929		1.38965638974017e-91
3.65428161746489e-91		100 100	
E2F7-regulon	B PLCG2	0.0355421121515557	0.00503229726888751
16071313	0.61961777063547	3.89015997490562e-23	
6.5762228147214e-23		100 100	
E2F8-regulon	B PLCG2	0.0898299497072593	0.0152276443938152
17490246	0.674323699276217		3.00421051419671e-47
6.00842102839342e-47		100 100	
EGR1-regulon	B PLCG2		
0.0464093280594815		-0.00106729886715823	12240753
0.471933318998855		0.0200993723158602	0.0224733139279697
100	100		
EGR2-regulon	B PLCG2		
0.038025777963995		-0.00812581657948196	9628235
0.37120958977368	1.46100202036288e-26		2.56126280112998e-26
99.8272884283247	99.997767707659		
EGR3-regulon	B PLCG2		
0.0333081966887322		-0.00826845204679139	9234087
0.356013500626488		8.76893337810527e-33	
1.63840597327756e-32		99.8272884283247	99.997767707659
ELF1-regulon	B PLCG2	0.675748464401392	-0.0317006779174678
10369716.5		0.399796869107823	

1.05127821350582e-16	1.62262506867203e-16	100	100
ELF2-regulon B PLCG2			
0.0281367354457422	-0.00457773875061314	11178118.5	
0.430964219592333	1.08065345671261e-08		
1.44766783823765e-08	99.6545768566494	99.53345090073	
ELF4-regulon B PLCG2	0.0210822396810723	0.00266919687152296	
14807475	0.570891416789684	4.32504659760378e-09	
5.90535208518978e-09	98.272884283247	98.3369422059513	
ELK1-regulon B PLCG2			
0.0570031017400558	-0.00916886475424796	8606901.5	
0.331832820349469	4.30309118645338e-44		
8.48665206217194e-44	100	100	
ELK3-regulon B PLCG2	0.0542660808122168	-0.010776888917491	
8345424.5	0.321751765004927		
2.55398976977029e-49	5.25603691749828e-49	100	100
ELK4-regulon B PLCG2			
0.0355514284218947	-0.00956768911332207	10262721	
0.395671735512452	5.58979629683813e-18		
8.91855139495522e-18	90.846286701209	96.8055896600219	
ESRRA-regulon B PLCG2	0.066729282514555	-0.0253296505559138	
4511187	0.173925530033527	1.27146399945912e-160	
6.94414953550751e-160	100	100	
ETS1-regulon B PLCG2	0.236930869136543	-0.0060857916870467	
12204826	0.470548179673548	0.0147196068469383	
0.0167214733781219	100	100	
ETV2-regulon B PLCG2	0.0300881692822462	0.00150535188010127	
14095186.5	0.543429652314106		
0.000322090650698727	0.000387600613552706	100	100
ETV3-regulon B PLCG2	0.0142733925428102	0.00288109996843053	
14960752.5	0.576800919195528		
1.85488237855113e-10	2.63393297754261e-10	89.9827288428325	
84.2757327499609			
ETV5-regulon B PLCG2	0.0383433171665207	0.00494274464989262	
16829952	0.648866544889144	6.30999250966856e-35	
1.21083640050397e-34	100	100	
ETV6-regulon B PLCG2	0.39425897994034	-0.0661601215654362	
3030899	0.116854104042481	5.58382561790212e-221	
1.32150539623683e-219	100	100	
ETV7-regulon B PLCG2			
0.0581250532929533	-0.00602794304155881	10334755	
0.398448953932002	4.08334869459637e-17		
6.44261682925205e-17	100	100	
FLI1-regulon B PLCG2	0.117110462170063	-0.0271677147937451	
5795874	0.223455701893435	4.29124342195258e-116	
1.6035699103086e-115	100	100	
FOS-regulon B PLCG2	0.0701481356069804	-0.0163378609332459	
6525715	0.251594190225929	4.78821192232419e-94	
1.30755017878853e-93	100	100	
FOSB-regulon B PLCG2	0.0283117530760479	-0.0133318438234226	
8287125.5	0.319504089509448		

1.58781938954373e-50	3.31574048992955e-50	97.5820379965458
99.3459383440855		
FOSL1-regulon	B PLCG2	0.042606254419732
6407101.5	0.247021133100026	-0.0184225245382309
5.46216345018182e-97	100	100
FOXO1-regulon	B PLCG2	0.0248145027555498
14739114.5	0.568255827487831	0.00822243635643568
2.14781356363041e-09	2.99009339250508e-09	59.9309153713299
52.2445699488805		
FOXO3-regulon	B PLCG2	
0.0164715484778633	-0.00331465942423846	12150192.5
0.468441824861591	0.00456228695052983	0.00531020284405931
41.6234887737478	46.8267964372614	
GABPA-regulon	B PLCG2	0.0343967205371258
19477266	0.750931808558146	0.00902393944347293
1.78002100952973e-95	100	100
GTF2B-regulon	B PLCG2	0.0603703611436132
6795219	0.261984720710734	-0.0189281434820706
4.19769396964792e-86	100	100
HINFP-regulon	B PLCG2	0.0216684324777642
14510600.5	0.559445636606788	0.00550817091076739
4.40888102471558e-07	5.64019013972623e-07	69.0846286701209
63.1582472040538		
HIVEP3-regulon	B PLCG2	0.0537528105587042
7447080	0.287116746923167	-0.0242445181328805
3.20786888847074e-69	97.2366148531952	1.4232094364342e-69
HOXB2-regulon	B PLCG2	0.0223990975595251
9298294	0.358488954760148	99.7254280420564
1.37676269147663e-31	65.2849740932643	7.4655441720916e-32
IKZF1-regulon	B PLCG2	0.125822098621396
5053641.5	0.194839468301121	83.9676764069022
6.2546919600239e-141	2.8650524462045e-140	-0.0182752272438964
IRF1-regulon	B PLCG2	0.103232134955301
3998918.5	0.154175391016461	-0.0326266262179958
2.05882698748979e-180	1.82720895139718e-179	100
IRF2-regulon	B PLCG2	0.0606036592687004
4695364	0.181026340162876	100
4.22637504213836e-153	100	100
IRF3-regulon	B PLCG2	0.117555230454498
3040740	0.117233516631908	-0.0282517926295051
3.07173500293414e-219	100	100
IRF4-regulon	B PLCG2	0.0387608876573633
5245347.5	0.202230553543344	-0.0199054570197407
2.78144692166477e-134	1.19686503901939e-133	99.6545768566494
IRF5-regulon	B PLCG2	0.0183506996259275
6938604.5	0.267512844259286	100
3.20480912774375e-83	7.84625682999333e-83	-0.0290649266270362
80.8580931758823		51.1226252158895
IRF7-regulon	B PLCG2	0.0816200201753387
4411473	0.170081129368744	-0.0265534989987859
		2.20277581061877e-164

1.25117666043146e-163	100	100	
IRF8-regulon B PLCG2	0.0867656421934963		0.0050572483085987
15390579.5	0.593372586208605		
1.04927152211533e-14	1.56838480147766e-14	100	100
IRF9-regulon B PLCG2			
0.0304236215199486	-0.00353774136712598		10864444
0.418870727642098	1.82794761696189e-11		
2.64865879192436e-11	100	100	
JUN-regulon B PLCG2	0.0690590303366398		-0.019591238166566
5205003.5	0.200675119999207		
1.14476061648371e-135	5.07987523564648e-135	100	100
JUNB-regulon B PLCG2	0.124530261141009		-0.0357078637247948
3992693.5	0.153935390674099		
1.16409350024142e-180	1.10200851356188e-179	100	100
JUND-regulon B PLCG2	0.041527774830558		0.00310976787316639
14420487.5	0.555971395506183		
3.55967570080689e-06	4.43398201328578e-06	100	100
KLF11-regulon B PLCG2			
0.0132597287853594	-0.00878890595257688		11166092
0.430500546641744	1.02561937950465e-10		
1.47109042312789e-10	28.3246977547496	41.020604	40583075
KLF12-regulon B PLCG2	0.0509233377968183		0.0039237805853281
14003389.5	0.539890485819681		
0.000954033376063235	0.00112893949500816		98.1001727115717
98.6092818715539			
KLF13-regulon B PLCG2	0.0547163028434213		-0.0117254127568881
6418076	0.247444246956613	3.7713000	0.1861026e-97
1.11567625550554e-96	100	100	
KLF2-regulon B PLCG2	0.0809047894876136		-0.0283047475711034
4858751.5	0.187325626257279		
7.43291695948149e-148	3.51824736082124e-147	100	100
KLF3-regulon B PLCG2	0.0514038591921044		-0.0208919402539864
8275499.5	0.319055857544741		
9.08747938657039e-51	1.92600309387014e-50		98.6183074265976
99.8794562135857			
KLF4-regulon B PLCG2	0.0184791363053017		0.00261268264505664
13494666.5	0.520277040973514		0.0723758056518028
0.07845316337829	52.3316062176166	49.7801192	0.04411
KLF6-regulon B PLCG2	0.0383773375094813		-0.0314032464481932
4159598	0.160370272142653	4.42723495260694e-174	
3.30877559615887e-173	100	100	
KLF7-regulon B PLCG2	0.0306470474446675		-0.0155501106795069
8354057	0.322084584756805	3.83606312468641e-49	
7.78172805293529e-49	92.9188255613126	97.6159117798067	
KLF8-regulon B PLCG2			
0.0155287174285447	-0.00970180173460396		10007537.5
0.385833321477895	1.93169677627715e-21		
3.18954583989948e-21	64.9395509499137	77.7998526687055	
MAFB-regulon B PLCG2	0.0643496683898074		0.00867748818939677
16272825.5	0.627386938344741		

5.06791606228267e-26 8.67041061257998e-26 100
99.997767707659
MAFF-regulon B PLCG2 0.0143624332362135 0.00200102563500503
13372647 0.515572667997637 0.105604215065898
0.112750364957575 31.2607944732297 28.5108377793156
MAFG-regulon B PLCG2
0.0166537024894986 -0.00886679086546033 10441506.5
0.402564680285038 5.66095635057854e-17
8.83358023936432e-17 42.1416234887737 58.8142063084582
MAX-regulon B PLCG2 0.170829333795342 -0.0271877937651774
3910251 0.150756880115839 5.89209042276848e-184
5.97626314309374e-183 100 100
MAZ-regulon B PLCG2
0.133351557033652 -0.00299041391158913 12191937.5
0.470051272940611 0.0131250107428836 0.0150302542378183
100 100
MEF2A-regulon B PLCG2 0.0413321229188857 0.0005852758051463
13055725.5 0.503353990326656 0.781183786282921
0.798043868001258 100 99.997767707659
MLX-regulon B PLCG2
0.044020750117586 -0.00901980076593771 9337810
0.36001246536718 4.43030260628667e-31 7.96332873535072e-31
99.6545768566494 99.993303122977
MXD4-regulon B PLCG2 0.0539508300265227 -0.0387122699890688
9636367.5 0.371523132389625
1.77450227208371e-26 3.07291856873032e-26 73.4024179620035
88.800589325178
MXI1-regulon B PLCG2 0.0465402053235162 -0.0189309055396441
6776377.5 0.261258300397383
5.12201326117624e-87 1.29879621979826e-86 100 100
MYBL1-regulon B PLCG2 0.0650921965831417 0.0356569622582601
19940145 0.76877771364917 1.23448056055551e-110
4.17371999044958e-110 96.0276338514681 79.8535616224301
MYC-regulon B PLCG2 0.2483351413056 -0.0674067310039951
4120177.5 0.158850443468584 1.26796994756828e-175
1.00028740308164e-174 100 100
NFATC1-regulon B PLCG2
0.0412370013881167 -0.00940079537661053 11111650.5
0.428401594249985 3.02554330379562e-09
4.17113737028134e-09 91.0189982728843 94.8768890773936
NFE2L1-regulon B PLCG2 0.0784473183581414 -0.105566862559201
2980756 0.114920877188336 3.40937268723625e-223
1.21032730396887e-221 96.7184801381693 99.97767707659
NFE2L2-regulon B PLCG2 0.0800438785930261 -0.0312352128587094
3753254 0.144703975095791 2.5765140153374e-190
3.04887491814925e-189 100 100
NFKB1-regulon B PLCG2 0.0315428614794441 -0.0254506871956903
5851900 0.225615743528964 2.56133073395778e-114
9.32587087748731e-114 99.4818652849741 99.9374958144519
NFKB2-regulon B PLCG2 0.046686432001988 -0.0270351305387389

	4179971	0.161155738323366		2.7598970603997e-173
1.95952691288379e-172	100	100		
NFYA-regulon	B	PLCG2		
0.0189532691245406		-0.00202092405521179		11669846.5
0.449922434588148		3.36218622171533e-05		
4.15156907377023e-05		98.4455958549223		99.0244882469808
NFYB-regulon	B	PLCG2	0.120089166406677	0.0116124450662268
	15864707	0.611652226742454		2.3074674472976e-20
3.72341338086658e-20	100	100		
NFYC-regulon	B	PLCG2		
0.081947516502174		-0.00160773705619925		12321536
0.475047848742955		0.0387773733316485		0.0426851706441402
	100	100		
NR1H3-regulon	B	PLCG2		
0.00838620372562142		-0.000150099813055492		12759570
0.491935930665231		0.357734890799902		0.379092197713328
	20.2072538860104	22.1287139763823		
NR2C2-regulon	B	PLCG2		
0.0213297989606998		-0.00046226807950079		12688153.5
0.489182519508558		0.366961623474718		0.385989263210444
	73.4024179620035	76.0117865035605		
NR3C1-regulon	B	PLCG2	0.206330098628041	-0.0193949674659004
	6749693.5	0.260229518206927		
9.42656569005466e-88		2.43376786906866e-87		100 100
NRF1-regulon	B	PLCG2	0.0281586460473722	0.00144795607850055
	13477072	0.519598697837179		0.104553640048636
0.112474370355351		100		99.9665156148849
PAX5-regulon	B	PLCG2		
0.098029866218124		-0.00226673650070623		11812064.5
0.455405546024297		0.000221343659219032		
0.000268639312898312		100		100
POU2F1-regulon	B	PLCG2	0.0580989483610636	0.0539068211881433
	18874708	0.727700623611492		8.9716894266911e-172
6.06657094566732e-171		57.5129533678757		17.8404803893118
POU6F1-regulon	B	PLCG2		
0.0309527924028667		-4.99751474971125e-05		12816596.5
0.494134545849762		0.619750298290346		0.637714075052385
	61.8307426597582	65.3994687144228		
REL-regulon	B	PLCG2	0.222929812646891	-0.0413092777971962
	3605773	0.139017952526814		2.17742530620489e-196
3.09194393481094e-195		100		100
RELA-regulon	B	PLCG2	0.0805747984543741	-0.0116381667932928
	6280705	0.242148008076195		3.47664351175672e-101
1.09707417482101e-100		100		100
RELB-regulon	B	PLCG2	0.0951186677189491	-0.0101951010878487
	8828646	0.34038201808712		6.76245029439224e-40
1.3154355367174e-39		100		100
REST-regulon	B	PLCG2	0.192551186362723	-0.0264042046741469
	4403148	0.169760165055464		1.06402558940851e-164
6.29548473733369e-164		100		100

RFX5-regulon	B	PLCG2	0.0720661769286686	0.00680452856107068
15313685.5			0.590407994027789	
7.01389921776197e-14			1.03747259262729e-13	100 100
RXRA-regulon	B	PLCG2		
0.0143354119174499			-0.000197243689384846	12903448.5
0.497483061469813			0.831032050946325	0.842903937388415
64.9395509499137			64.2543027434873	
SETDB1-regulon	B	PLCG2	0.0548193077266681	-0.0049615285400705
11879973			0.458023708795267	0.000507624982396652
0.000605737373952307			90.3281519861831	95.1135120655401
SOX5-regulon	B	PLCG2	0.0132126301672144	0.00547924204461027
14568023			0.561659519282977	2.83819158926214e-12
4.15487840902292e-12			34.1968911917098	22.3430140411188
SP1-regulon	B	PLCG2	0.0146950547196828	0.00172316870812707
13586153.5			0.523804255643661	0.0414807701165103
0.0453097642811113			62.0034542314335	59.7941826461593
SP2-regulon	B	PLCG2	0.0305858026500608	0.0023759630029873
14803307.5			0.570730741861685	
4.68656423380618e-09			6.33802020190931e-09	100 100
SP3-regulon	B	PLCG2	0.0286892658879458	
0.000424785867680442			13230240.5	0.510082289081241
0.403708695118379			0.42151937284419	100 100
SP4-regulon	B	PLCG2	0.0142347920578061	0.00566920710602286
14361094.5			0.553681541637283	
2.90037708651616e-08			3.77847290169995e-08	37.6511226252159
28.9037212313325				
SPI1-regulon	B	PLCG2	0.379040979258869	-0.0400125606821262
6596437.5			0.254320844717928	
4.91514210742091e-92			1.31688713066749e-91	100 100
SP1B-regulon	B	PLCG2	0.512573880151348	-0.052547853120859
5903774			0.227615707827709	1.09743613673179e-112
3.80087637599789e-112			100 100	
SREBF1-regulon	B	PLCG2		
0.0326778230862634			-0.00835871462035849	9946894.5
0.383495274769163			4.95917297991049e-22	
8.28473603702694e-22			88.7737478411054	96.9997990936893
SREBF2-regulon	B	PLCG2		
0.0904959109572208			-0.00859641371176516	8160166
0.314609258430557			3.32470875480937e-53	
7.15316126034743e-53			100 100	
SRF-regulon	B	PLCG2	0.0207944022384556	
2.55521255347058e-05			12955097	0.499474331780252
0.965275410826659			0.965275410826659	97.5820379965458
97.9395941692524				
STAT1-regulon	B	PLCG2	0.0616514931191323	-0.018351179078235
4332435.5			0.167033896106184	
2.13963767546109e-167			1.38103886325216e-166	100 100
STAT2-regulon	B	PLCG2	0.0534774701773057	-0.0129217668499698
9137459			0.352288078444681	2.05782016880362e-34
3.89613951960152e-34			99.4818652849741	99.9687479072259

STAT5A-regulon	B	PLCG2	0.0534170957867485	-0.0184258472868398
5769739	0.222448085998234		6.30116425706609e-117	
2.41828466081996e-116	100	100		
TBP-regulon	B	PLCG2	0.0260107839080181	0.00517555904658587
14074151	0.542618643928282		0.000159846754417938	
0.000195674475235751	55.440414507772	49.8136035895261		
TCF12-regulon	B	PLCG2		
0.00878301961355565	-0.000264063160801775	12829066		
0.494615298342787	0.558781765527765	0.579175260620019		
24.006908462867	25.2360649150613			
TFDP1-regulon	B	PLCG2	0.506480880185866	-0.0219626668202766
10499422	0.404797570217257	3.15326362720295e-15		
4.76344079854063e-15	100	100		
TFDP2-regulon	B	PLCG2	0.0368623262394333	0.00986505105805966
18602134	0.71719173151206	2.42500850312631e-72		
5.55405173296672e-72	100	99.995535415318		
TFEC-regulon	B	PLCG2	0.0571498320672161	-0.0348362252764764
3144328.5	0.121227295823034			
5.18551792642427e-216	9.20429431940308e-215	100	100	
THAP1-regulon	B	PLCG2		
0.0349301192302052	-0.00226388104129132	11221494.5		
0.432636549688765	2.41827937354937e-08			
3.17958954670381e-08	100	100		
THAP11-regulon	B	PLCG2	0.159861634806353	-0.0188566873971558
5437870.5	0.209653137625681			
9.06126595770114e-128	3.67628504569589e-127	100	100	
TP53-regulon	B	PLCG2	0.0758662726958416	-0.0227811075326184
5880560	0.226720708960626	2.04905498093908e-113		
7.27414518233375e-113	100	100		
USF2-regulon	B	PLCG2	0.11132446223991	-0.0141421980144215
6278068	0.242046340461286	2.90324918171836e-101		
9.36957690463652e-101	100	100		
XBP1-regulon	B	PLCG2	0.162757049964002	-0.0329533024379572
3793007.5	0.146236642342391			
1.07541050676363e-188	1.17467916892642e-187	100	100	
YBX1-regulon	B	PLCG2		
0.0935089045252694	-0.00169650495124844	12124349		
0.467445447536638	0.00701409666350907	0.00809757500990479		
100	100			
YY1-regulon	B	PLCG2	0.575416899524749	-0.0648823344769417
6293614	0.242645705171705	8.39305213573009e-101		
2.59089870276885e-100	100	100		
YY2-regulon	B	PLCG2	0.0393232723545075	-0.0118297325810763
10381356	0.4002456215552	1.39471028927565e-16		
2.12955764599078e-16	82.2107081174439	90.6377659218251		
ZBTB33-regulon	B	PLCG2	0.326915080321346	-0.039413856186116
5690045.5	0.219375561133331			
1.73864052396675e-119	6.85797095564663e-119	100	100	
ZNF143-regulon	B	PLCG2	0.025200806564276	0.00189424134060901
14618571.5	0.563608379894364			

1.37873233423515e-07	1.77981810419447e-07	100
99.993303122977		
ZNF274-regulon B PLCG2		
0.0577573738599807	-0.00768218193995263	9326296
0.359568551480922	2.88182648617596e-31	
5.24640206457675e-31	100 100	
ZNF76-regulon B PLCG2	0.0205104344242471	0.00603027437265563
17840571.5	0.687830243844589	
1.44543701741842e-54	3.15772394574485e-54	100
99.4530883764538		
ATF1-regulon DZ 1		
0.100154478665602	-0.00627603110877981	24188400.5
0.373298524300733	8.8653589598573e-62	
1.18762355877334e-61	100 100	
ATF3-regulon DZ 1	0.0319933866222915	-0.0196681645920935
7991621.5	0.123334344191961	0 0 100
100		
ATF4-regulon DZ 1	0.0881129055656642	-0.0213326498500696
12119862.5	0.187045306529375	0 0 100
100		
ATF5-regulon DZ 1		
0.113410395816036	-0.00519192990316961	29597215
0.456772521312912	1.52624061915114e-08	
1.61735946208554e-08	100 99.997722095672	
ATF6-regulon DZ 1	0.11794917693632	-0.0190855885935479
10946814 0.168941700464841	0 0	100 100
ATF6B-regulon DZ 1		
0.0509597244498521	-0.00654984157933301	11891315.5214844
0.183518151031298	0 0 100	99.9179954441913
BACH1-regulon DZ 1	0.015803014810626	-0.0284037440007435
7084763 0.109338836725497	0	0
96.3414634146341 99.6719817767654		
BATF-regulon DZ 1	0.00855574024396562	-0.0110986316676576
23881518.5	0.36856242785093	1.59796028652145e-74
2.2920238453136e-74	28.6585365853659	52.4920273348519
BATF3-regulon DZ 1	0.0867151391165874	0.00367093305731661
39055436.5	0.602740838997228	
3.11899605385239e-41	3.7218272239247e-41	100 100
BCL11A-regulon DZ 1	0.193465100367571	-0.0114062564310747
20818268 0.32128741720219	4.92637644926441e-121	
7.86006130107356e-121	100 100	
BHLHE40-regulon DZ 1	0.0315236440259714	-0.0249387450381343
6679003.5	0.103076768153786	0 0 100
100		
BRF2-regulon DZ 1	0.0312721106255504	-0.0106878823534267
19968847 0.3081783401547	3.87258887951561e-139	
6.4695014222496e-139	99.8644986449865	99.7243735763098
CEBPB-regulon DZ 1	0.116901410866619	-0.0270711875296699
6997999.5	0.107999819434413	0 0 100
100		

CEBPG-regulon	DZ 1			
0.0645524026309115		-0.00362628775547649		32204688
0.497013537789136		0.695845597421511		0.700780672580529
100	100			
CLOCK-regulon	DZ 1	0.004421870212973		-0.0115485092915635
22117584	0.341339704057633		3.02527352827325e-108	
4.72075649466814e-108		25.6775067750677	51.9476082004556	
CREB1-regulon	DZ 1			
0.0398414777501404		-0.00323494561989168		28516096
0.440087659190943		4.41035779765276e-15		
4.85481245943172e-15	100	99.9931662870159		
CREB3-regulon	DZ 1	0.223339994342704		-0.0170134357672554
17815185	0.274940968942719		9.15453877213363e-191	
1.85706357948996e-190	100	100		
CREB3L2-regulon	DZ 1	0.106143636820433		-0.0213273050621158
7532371	0.11624675136273	0	0	100 100
CREB3L4-regulon	DZ 1	0.00217036802402656		-0.0092312527051172
24975004.5		0.38543814934163	2.77830025472808e-74	
3.94518636171388e-74		10.4336043360434	32.0501138952164	
CREB5-regulon	DZ 1	0.0213646392831573		-0.0184084679378624
15182611	0.234312569834127		5.0235006891168e-265	
1.13228110770569e-264		98.7127371273713	99.6537585421412	
CREM-regulon	DZ 1	0.156752302061446		0.00697978389521944
41211572.5		0.636016391342729		
6.47545282204776e-71		9.0148460855959e-71	100	100
CTCF-regulon	DZ 1	0.445277894086636		0.0769403749709687
62741065.5		0.968280112784044	0	0 100
100				
CUX1-regulon	DZ 1	0.103880474316327		0.0280963321598793
57706696.5		0.890584916754634	0	0 100
100				
DDIT3-regulon	DZ 1	0.0644568728709937		-0.0211388637176105
13865305	0.213982644097512		8.6051031212722e-307	
2.07105871732314e-306	100	100		
E2F1-regulon	DZ 1	0.587277235119036		0.154611543010171
63639538.5		0.982146207196696	0	0 100
100				
E2F2-regulon	DZ 1	0.106355701470562		0.0541976624863925
64241482	0.991435974838108	0	0	100 100
E2F3-regulon	DZ 1			
0.0156820587023468		-0.00561591945308678		18476855.5
0.285152500756215		4.97248628429961e-174		
9.29069805750717e-174	100	100		
E2F4-regulon	DZ 1	0.41157770740461	0.0133545864504041	
42251852.5	0.652070986968412		3.57559473805864e-88	
5.28890055004507e-88	100	100		
E2F6-regulon	DZ 1			
0.0643134147419047		-0.00835973171597405		28808741
0.444604036644011		4.12263303165674e-13		
4.50318377304043e-13	100	100		

E2F7-regulon	DZ 1	0.0481064095140929	0.0181218537101787
56807063.5		0.876700920112846	0 0 100
100			
E2F8-regulon	DZ 1	0.148144522382903	0.0758140053676476
64401204.5		0.993900965177078	0 0 100
100			
EGR1-regulon	DZ 1		
0.0403002141373164		-0.00740362051672551	18137641
0.279917418251631		1.63682309136159e-182	
3.18395724621022e-182		100 100	
EGR2-regulon	DZ 1	0.0336194507883291	-0.0128463259051041
17617363.5		0.271887998407319	
6.42431490213443e-196		1.32210538565665e-195	99.9322493224932
99.997722095672			
EGR3-regulon	DZ 1	0.0241170547043478	-0.0179375650347048
11432483.5		0.176437016562649	0 0
99.9322493224932	99.997722095672		
ELF1-regulon	DZ 1	0.793936448880426	0.0898132736913855
61677024.5		0.951858814687236	0 0 100
100			
ELF2-regulon	DZ 1	0.0146905691577894	-0.0185695262936985
11753598	0.181392762560883	0	0
98.1707317073171	99.5808656036446		
ELF4-regulon	DZ 1		
0.013123690100021		-0.00550239484137061	22413766.5
0.345910675593089		1.76987338125882e-90	
2.64549494882897e-90		96.6124661246612	98.3940774487472
ELK1-regulon	DZ 1	0.0671315233120055	0.00111274767318324
34235316.5		0.528352138390404	
0.000206142963113165		0.000213666428920215	100 100
ELK3-regulon	DZ 1	0.051202626008023	-0.0141635448298849
16171940.5		0.249580848627393	
1.11630972681412e-235		2.43870740319393e-235	100 100
ELK4-regulon	DZ 1	0.0300254343668978	-0.0154749721059005
21414015	0.330481554530807	4.21531194118024e-109	
6.65082550719548e-109	92.8184281842818	96.8610478359909	
ESRRA-regulon	DZ 1		
0.0851728520299066		-0.00678352951309054	29219724.5
0.450946726978659		1.35205589331463e-10	
1.46558730420364e-10		100 100	
ETS1-regulon	DZ 1	0.286344332707468	0.0448646950521562
55646545	0.858790688988894	0	0 100 100
ETV2-regulon	DZ 1		
0.0201595307417107		-0.00872634747704877	15463272.5
0.238644006457149		1.59393248667408e-256	
3.53653770480811e-256		100 100	
ETV3-regulon	DZ 1		
0.00360290778513733		-0.00808927747331163	14969018
0.231016198430777		1.26055723174294e-272	
2.88708269205642e-272		53.1842818428184	85.3963553530752

ETV5-regulon	DZ 1	0.0399961979135958	0.00675219245695948
45953942	0.709205171892266	4.08272229086706e-165	
7.43264827311696e-165	100	100	
ETV6-regulon	DZ 1	0.428016185680409	-0.0326197721664119
9100553.5	0.140448443123383	0	0 100
100			
ETV7-regulon	DZ 1		
0.0628720042774972	-0.00124455846373682	32538083.5	
0.502158815921872	0.777488430423106	0.777488430423106	
100	100		
FLI1-regulon	DZ 1	0.135540365927297	-0.0086732757796624
23314783.5	0.359816031446191		
3.27445425775445e-75	4.7446173938891e-75	100	100
FOS-regulon	DZ 1	0.0697588967027501	-0.0170740150511383
13819633	0.213277790124143	0	0 100 100
FOSB-regulon	DZ 1	0.0142091501326966	-0.0281810095424914
7860341.5	0.121308305708342	0	0
93.0216802168022	99.5353075170843		
FOSL1-regulon	DZ 1	0.0468025778976903	-0.014461536619665
19286069.5	0.297641064935706		
1.28729569942001e-154	2.31387328250179e-154	100	100
FOX01-regulon	DZ 1	0.00778543792366176	-0.0092111700308087
25174193.5	0.388512224444568		
7.04876606327528e-54	9.01734036923504e-54	36.3143631436314	
52.8815489749431			
FOX03-regulon	DZ 1	0.00844205284498133	-0.0116818494775687
25510504.5	0.393702497360965		
1.60555978870538e-51	2.03562044639433e-51	30.6233062330623	
47.3029612756264			
GABPA-regulon	DZ 1		
0.0207150368566727	-0.00493336363177631	21678593.5	
0.334564782920039	5.34827132673494e-104		
8.07930349357832e-104	100	100	
GTF2B-regulon	DZ 1	0.0814340480522025	0.00245698892022382
35504613	0.547941135618645	3.48250524224827e-10	
3.74633139696405e-10	100	100	
HINFP-regulon	DZ 1		
0.00926733855640657	-0.00719732358737763	25872606.5	
0.399290801649474	1.13756193813953e-41		
1.36893046793062e-41	52.3712737127371	63.5990888382688	
HIVEP3-regulon	DZ 1		
0.0714230805095051	-0.00647552413464939	28114946.5	
0.433896736547092	5.01249461065181e-18		
5.60452153316974e-18	99.8644986449865	99.6879271070615	
HOBX2-regulon	DZ 1	0.00706025644738404	-0.0310525519695848
11234926	0.173388120327673	0	0
43.4959349593496	85.0820045558087		
IKZF1-regulon	DZ 1	0.147195119084679	0.00344297999310009
37570707.5	0.579827081442796		
1.47192420650027e-25	1.6721058985843e-25	100	100

IRF1-regulon	DZ 1	0.097578517413465	-0.0391369823295193
4070792.5		0.0628243621559222	0 0 100
100			
IRF2-regulon	DZ 1	0.0593997201409923	-0.0264821171248728
7323907.5		0.113029543307962	0 0 100
100			
IRF3-regulon	DZ 1		
0.136825773800253		-0.00891060090129692	19830216.5
0.306038861726886		3.25136468602691e-142	
5.49635458828359e-142		100 100	
IRF4-regulon	DZ 1	0.0427511082668811	-0.0161878019985386
14550253		0.224553416547833	1.08426454537113e-284
2.56609275737833e-284		100 99.995444191344	
IRF5-regulon	DZ 1	0.00654146972694152	-0.0418650827792193
10075190		0.15548996549191 0 0	28.3875338753388
82.2300683371298			
IRF7-regulon	DZ 1	0.087429486542663	-0.0210912699035286
11406416		0.176034717978159 0	0 100 100
IRF8-regulon	DZ 1	0.0998468776693617	0.018681633107817
50945235.5		0.786235585618954	
2.94952965901243e-307		7.22126226861665e-307	100 100
IRF9-regulon	DZ 1	0.0203639179248936	-0.0140079569556346
9922481.5		0.15313322190739 0	0 100 100
JUN-regulon	DZ 1	0.0578384096046849	-0.0315894210132311
3204485.5		0.0494546842108512	0 0 100
100			
JUNB-regulon	DZ 1	0.125737517242686	-0.0351896291209551
5485115.5		0.0846515469995247	0 0 100
100			
JUND-regulon	DZ 1	0.0252491069942707	-0.0136526779117344
11216451		0.173102996462766 0	0 100 100
KLF11-regulon	DZ 1	0.00216901520397043	-0.0204320920142754
20928698.5		0.322991686266521	
3.13380893383943e-149		5.56251085756499e-149	8.26558265582656
41.9544419134396			
KLF12-regulon	DZ 1	0.0590944854731514	0.0124498313403698
43322064		0.668587514121155	6.3364586371326e-108
9.78018615731336e-108		99.9322493224932	98.5580865603645
KLF13-regulon	DZ 1	0.0483310595494028	-0.018564922892476
6925643		0.106883144742609 0	0 100 100
KLF2-regulon	DZ 1	0.0816344902944426	-0.0281288581579053
10516771		0.162304865702416 0	0 100 100
KLF3-regulon	DZ 1	0.0371176574772931	-0.0360853516302758
11232863.5		0.173356289855609	0 0
99.8644986449865		99.8633257403189	
KLF4-regulon	DZ 1		
0.00878578094637766		-0.00735319700036295	27063269
0.417666243803668		9.19161562450032e-31	
1.06114586884475e-30		38.4823848238482	50.1936218678815
KLF6-regulon	DZ 1	0.0303710489921622	-0.0403203776515166

4404504.5		0.0679745248192801	0	0	100
100					
KLF7-regulon	DZ 1	0.0139195496472474	-0.0331577505276903		
7655833.5		0.118152142711632	0	0	
84.9593495934959	97.9794988610478				
KLF8-regulon	DZ 1	0.00374288714397114	-0.0220821286400424		
12127431	0.187162110858011	0	0		
32.7913279132791	79.1435079726651				
MAFB-regulon	DZ 1				
0.0472351729015308		-0.00883512320855654	19743538.5		
0.304701163953553		3.72796967476301e-144			
6.37797221465479e-144		100	99.997722095672		
MAFF-regulon	DZ 1	0.00249756586680362	-0.0102218741772898		
25648745.5		0.395835964652357			
1.27716881238861e-65		1.72721877484935e-65	9.28184281842818		
29.1936218678815					
MAFG-regulon	DZ 1	0.00767810007907073	-0.0183253431748428		
20760720	0.320399281441562	2.10984631854933e-131			
3.44365720958626e-131		32.5880758807588	59.4760820045558		
MAX-regulon	DZ 1	0.177946849903244	-0.0203864962730413		
6666588.5		0.102885168003161	0	0	100
100					
MAZ-regulon	DZ 1	0.189699477107949	0.0551909259520239		
63905131.5		0.986245092319944	0	0	100
100					
MEF2A-regulon	DZ 1				
0.0342039559643471		-0.00677059461243739	23462286		
0.362092431060985		7.54614865363462e-73			
1.06094367209516e-72		100	99.997722095672		
MLX-regulon	DZ 1				
0.0446884996162847		-0.00851390008334302	23761450.5		
0.366709423671685		3.56005383134482e-68			
4.86084273125927e-68		100	99.9886104783599		
MXD4-regulon	DZ 1				
0.0859676143345284		-0.00641002172984624	35040061		
0.540771724972375		9.23959985924199e-08			
9.71869022231379e-08		94.1734417344173	88.4168564920273		
MXI1-regulon	DZ 1	0.0398259970991896	-0.0262576694270269		
10091167	0.155736537832349	0	0	100	100
MYBL1-regulon	DZ 1	0.0930687926388676	0.0653027553737562		
56983022.5		0.879416487644375	0	0	
99.3224932249322	79.4123006833713				
MYC-regulon	DZ 1	0.301415674536074	-0.0139188394742591		
31173357	0.481097051688057	0.0133443926451628			
0.0136324011195188		100	100		
NFATC1-regulon	DZ 1				
0.0459574319134062		-0.00471373974875824	27181920		
0.419497379484045		5.72676634762659e-26			
6.55807114002399e-26		91.7344173441735	94.9316628701595		
NFE2L1-regulon	DZ 1	0.146756166020572	-0.0371183706271997		

24592095 0.37952872381799 5.00505909527426e-56
 6.52035221586188e-56 100 99.9339407744875
 NFE2L2-regulon DZ 1 0.0953381453272577 -0.0160649472232144
 18473746.5 0.285104519695539
 4.16641408282852e-174 7.88841066348867e-174 100 100
 NFKB1-regulon DZ 1 0.0304133223472561 -0.0271382323910593
 12572714.5 0.194034151588669 0 0
 99.9322493224932 99.9316628701595
 NFKB2-regulon DZ 1 0.0454750656158627 -0.0288396287899933
 8068080.5 0.124514332586378 0 0 100
 100
 NFYA-regulon DZ 1 0.00872372616496585 -0.0126356964973801
 10793522.5 0.166575959466884 0 0
 95.1219512195122 99.1480637813212
 NFYB-regulon DZ 1 0.186337110323165 0.0803250433892105
 63890066 0.986012587119037 0 0 100 100
 NFYC-regulon DZ 1 0.115295687980621 0.0328288116651352
 60986065.5 0.941195274737485 0 0 100
 100
 NR1H3-regulon DZ 1
 0.00209190247570834 -0.00665909418773354 27707376.5
 0.427606726608268 6.38615365023043e-39
 7.49449436638612e-39 8.73983739837398 22.5535307517084
 NR2C2-regulon DZ 1 0.0082259656857937 -0.0140161221375748
 18767793 0.289642526436654 3.10619437824578e-169
 5.72830651572598e-169 51.3550135501355 76.8063781321185
 NR3C1-regulon DZ 1 0.227473955919822 0.0020634922756709
 33637596 0.519127544122822 0.0122852302165461
 0.0126413238460112 100 100
 NRF1-regulon DZ 1 0.0314366593987196 0.00486576816126033
 39180003 0.604663268329722 1.0056344023074e-42
 1.23103521661768e-42 100 99.9658314350797
 PAX5-regulon DZ 1 0.101309676354502 0.0010770312010509
 32798572 0.506178923520442 0.418609507870239
 0.424589643696957 100 100
 POU2F1-regulon DZ 1
 0.000823278029160382 -0.00419309677027755 27828831.5
 0.429481136297696 1.40988321292355e-42
 1.71114030970209e-42 4.94579945799458 18.7972665148064
 POU6F1-regulon DZ 1 0.0169472440908694 -0.0145274372867338
 24720509 0.381510531449278 1.55845393306055e-56
 2.04907831939443e-56 50.7452574525745 65.8451025056948
 REL-regulon DZ 1 0.254017509505922 -0.0100204187882824
 23660107.5 0.365145401596385
 9.68126119124302e-70 1.33469814481215e-69 100 100
 RELA-regulon DZ 1 0.0769127011794402 -0.0156611909746363
 8086267 0.124795004043435 0 0 100 100
 RELB-regulon DZ 1 0.119056564500284 0.0143393180163436
 49935751 0.770656255594447 5.98073487943765e-275
 1.39223664406581e-274 100 100

REST-regulon	DZ 1			
0.209783084900046		-0.00913244940223693		17976830
0.277435629139891		1.32282361644259e-186		
2.64564723288517e-186		100	100	
RFX5-regulon	DZ 1			
57088623.5		0.0978833570793956		0.0336287661154823
		0.88104622324697 0		0 100 100
RXRA-regulon	DZ 1			
0.00520511055741407		-0.00963855307668243		19824951
0.305957599496268		4.83351372190387e-149		
8.47356726555987e-149		31.7073170731707 65.3576309794989		
SETDB1-regulon	DZ 1			
24601566.5		0.0514862493347628		-0.008508028510265
		0.379674897062182		
6.67116963495933e-56		8.61187352876568e-56		98.0352303523035
94.9521640091116				
SOX5-regulon	DZ 1			
0.00193756093111926		-0.00606295981286215		27551873.5
0.425206855627782		6.66128526199946e-41		
7.88252089336603e-41		8.60433604336043 22.9612756264237		
SP1-regulon	DZ 1			
18932783 0.292188809872153		0.00311196986938232		-0.0102141519259514
		4.14712165674022e-174		
7.88841066348867e-174		25.7452574525745 60.9681093394077		
SP2-regulon	DZ 1			
39183608.5		0.0310972721847919		0.00295317668001769
		0.604718911853128		
9.09623127871176e-43		1.12318681876267e-42		100 100
SP3-regulon	DZ 1			
0.0217587471630331		-0.00673007027670056		16633123.5
0.256698265644388		1.36669408995615e-222		
2.89657553393692e-222		100	100	
SP4-regulon	DZ 1			
0.00203076952032542		-0.00682929967954941		26035141
0.401799189461143		6.78435160929408e-58		
9.00353204224075e-58		11.1111111111111 29.6173120728929		
SPI1-regulon	DZ 1			
48153603.5		0.443385256390348		0.0256775225111792
		0.743152451370755		
2.54773413088777e-222		5.32026833214798e-222		100 100
SPIB-regulon	DZ 1			
55174603.5		0.603267150967071		0.0401209949949686
		0.85150723651314 0		0 100 100
SREBF1-regulon	DZ 1			
0.0359973251006631		-0.00509839670712534		27677140
0.427140088029582		1.46043829755566e-21		
1.64589077978495e-21		98.3062330623306 96.8473804100228		
SREBF2-regulon	DZ 1			
0.0952753419660433		-0.00383193812277023		25470161.5
0.393079885610929		1.64623123953417e-44		
2.06871536295444e-44		100	100	
SRF-regulon	DZ 1			
10395469.5		0.00766382296823556		-0.0135459796445996
		0.160432824971758		0 0
88.2791327913279 98.2596810933941				
STAT1-regulon	DZ 1			
4283380.5		0.0579517472723943		-0.0225502832963389
		0.0661052234383392		0 0 100

100				
STAT2-regulon	DZ 1	0.0500711949373756		-0.0167065953272247
18030493.5		0.278263815582347		
3.10641473966191e-185		6.12654018099988e-185		99.7967479674797
99.9681093394077				
STAT5A-regulon	DZ 1	0.0624143975128842		-0.0095025311567979
22964198	0.354405460797205		5.56417188102675e-81	
8.14548873304947e-81	100	100		
TBP-regulon	DZ 1			
0.0154953891459289		-0.00558763175659797		29515695
0.455514426727411		4.71192963625771e-10		
5.03078201765861e-10		43.8346883468835	50.0888382687927	
TCF12-regulon	DZ 1			
0.00236675514713284		-0.00690144997364097		27129414
0.418687056688335		2.96116561721591e-44		
3.68846945302332e-44		10.2981029810298	25.7220956719818	
TFDP1-regulon	DZ 1	0.639143828973834		0.114711899285989
63669157.5		0.982603315924959	0	0 100
100				
TFDP2-regulon	DZ 1	0.0376399978736046		0.0108704400984067
48452332.5		0.747762722929052		
9.47571440414423e-231		2.03871431119467e-230		100
99.995444191344				
TFEC-regulon	DZ 1	0.0696450863293575		-0.022632658913699
13259217	0.204628914569328	0	0	100 100
THAP1-regulon	DZ 1			
0.0316736816933035		-0.00567606352348928		19588563.5
0.302309441573915		1.1719477703558e-147		
2.02947052915272e-147		100	100	
THAP11-regulon	DZ 1			
0.177302526843309		-0.00121469494900839		30264682
0.467073510256743		1.63135592831693e-05		
1.70332751338973e-05		100	100	
TP53-regulon	DZ 1	0.101049133179728		0.00278296590382934
36341618	0.560858597082554		1.6317091499172e-15	
1.81017733818939e-15	100	100		
USF2-regulon	DZ 1			
0.117436416018758		-0.00811371366248316		20045788
0.309365767233982		1.90775516241839e-137		
3.15001433794665e-137		100	100	
XBP1-regulon	DZ 1	0.168087695979404		-0.0281167584446077
7899840	0.121917884326907	0	0	100 100
YBX1-regulon	DZ 1	0.115145574227304		0.0206329656514457
60029642.5		0.926434840515831	0	0 100
100				
YY1-regulon	DZ 1	0.709059985801249		0.0719283541074913
60270629.5		0.930153982320005	0	0 100
100				
YY2-regulon	DZ 1	0.0302610904061583		-0.0214383165950516
20494851	0.316296136822416		6.96311342429026e-128	

1.12359330255593e-127	85.9756097560976	90.6833712984055	
ZBTB33-regulon DZ 1	0.355401757999115	-0.0107747387075849	
21557759	0.332699949379904	2.59738644074275e-106	
3.96590187726312e-106	100	100	
ZNF143-regulon DZ 1	0.0133893757944393	-0.0102756071361469	
10146494	0.156590396997364	0	
99.9322493224932	99.995444191344		
ZNF274-regulon DZ 1	0.0462897470254072	-0.0196923403100151	
7024998	0.10841648610108	0	100 100
ZNF76-regulon DZ 1			
0.0122475498590906	-0.00238720840448039	26456448	
0.408301201918625	3.40134291056914e-33		
3.95894010902309e-33	99.390243902439	99.4624145785877	
ATF1-regulon DZ 2			
0.0981965434243653	-0.00816879730924991	11462715.5	
0.332886670983294	2.98853941065816e-57		
4.76823141925234e-57	100	100	
ATF3-regulon DZ 2	0.0348125749906271	-0.0164897528067283	
6296581	0.182857882817266	3.44405379599685e-201	
9.78111278063105e-201	100	100	
ATF4-regulon DZ 2	0.0843339003169048	-0.0248403611915022	
4906248	0.142481470794459	4.17309713477447e-255	
1.60156700848101e-254	100	100	
ATF5-regulon DZ 2	0.10513679693765	-0.0135267811284812	
12778772.5	0.371106046972715	9.0711069068004e-35	
1.25057978715112e-34	100	99.9977580486055	
ATF6-regulon DZ 2	0.112719569276413	-0.0241044753033959	
3400934.5	0.0987659306328622	0	0 100
100			
ATF6B-regulon DZ 2			
0.0509705518422259	-0.00643544842562033	7338480.28515625	
0.213115493636931	4.9612221754179e-165		
1.13627991759571e-164	99.6113989637306	99.9260156039817	
BACH1-regulon DZ 2	0.0153476150057449	-0.0284187199170236	
3864324	0.112223142235437	9.82747074516303e-300	
5.5820033832526e-299	95.8549222797927	99.627836068514	
BATF-regulon DZ 2	0.00676438314838548	-0.012745819876675	
12224892	0.355020902421447	7.92183374549646e-49	
1.17177124152135e-48	26.6839378238342	52.1500313873195	
BATF3-regulon DZ 2			
0.0751442997818233	-0.00815811237642501	16234426	
0.471461062299299	0.00646205930860601	0.00674715016045627	
100	100		
BCL11A-regulon DZ 2			
0.197498057838109	-0.00712346827954977	12818516	
0.372260230848972	3.52553752902501e-34		
4.81371470309185e-34	100	100	
BHLHE40-regulon DZ 2	0.0298950624691208	-0.0262018972266556	
3255091.5	0.0945305301506452	0	0 100
100			

BRF2-regulon	DZ 2	0.0290911407616952	-0.0127379096910081
9598361.5		0.27874429986762	5.96226434209706e-99
1.09953446308803e-98		99.6113989637306	99.7309658326607
CEBPB-regulon	DZ 2	0.112283803517421	-0.0313414421045129
2551244	0.0740902207706458	0	0 100 100
CEBPG-regulon	DZ 2		
0.0608544205568581		-0.00733103907850567	15253683
0.442979480220413		5.29054916622275e-08	
5.73479375269947e-08		100 100	
CLOCK-regulon	DZ 2	0.00571359931904858	-0.010052149089372
12715057.5		0.369255711051728	
3.14019325006572e-40		4.45907441509332e-40	31.3471502590674
51.434848892476			
CREB1-regulon	DZ 2	0.0539420719695411	0.0111607580169106
24267476.5		0.704747445337043	
5.18821473539855e-85		9.09538879539005e-85	100
99.9932741458165			
CREB3-regulon	DZ 2	0.21615198000279	-0.0240573304831512
6045325.5	0.175561216773235	1.86332835222185e-210	
6.01346877307961e-210	100 100		
CREB3L2-regulon	DZ 2	0.104674767405743	-0.0224849814094668
3505578.5		0.101804878323606	0 0 100
100			
CREB3L4-regulon	DZ 2		
0.00315788626782094		-0.00808094264918463	13867239
0.402716007951144		1.51142354633591e-29	2.0058144259785e-29
13.4715025906736		31.656353690252	
CREB5-regulon	DZ 2	0.0211843703984597	-0.0183013098238767
8078288.5		0.234600131705932	
1.64648744983574e-141		3.38842344748805e-141	98.4455958549223
99.6435297282755			
CREM-regulon	DZ 2	0.151123012929533	0.00114289950117516
18032772.5		0.523686521411449	0.0238015979769111
0.0246702694359225		100 100	
CTCF-regulon	DZ 2	0.458040636883276	0.0887096376640182
33464803.5		0.971845374006281	0 0 100
100			
CUX1-regulon	DZ 2	0.117410493343205	0.0414170730244439
32664064	0.948591241381265	0	0 100 100
DDIT3-regulon	DZ 2	0.062194197701264	-0.0231070591360586
6405413.5		0.18601846798749	3.0600929765338e-197
8.35640774361154e-197		100 100	
E2F1-regulon	DZ 2	0.525404532219088	0.0892276695219814
31257310.5		0.9077379645544	0 100 100
E2F2-regulon	DZ 2	0.0755368336835231	0.0219899658875422
31975434.5		0.928592875217864	0 0 100
100			
E2F3-regulon	DZ 2		
0.0121348647696793		-0.00913586978475541	5960650
0.173102170720068		1.25862218285177e-213	

4.25534166583219e-213	100	100			
E2F4-regulon	DZ 2				
0.397581041849418		-0.00109511144874069		18900428	
0.548883949626024		3.08894473944214e-06			
3.29797107519387e-06	100	100			
E2F6-regulon	DZ 2	0.0578498023321957		-0.0148032709854322	
11678925.5		0.339165586928936		3.6618390234664e-53	
5.59119506808848e-53		100	100		
E2F7-regulon	DZ 2				
0.0283752145262518		-0.00223686947115581		14904507	
0.432839122446789		1.46558147132975e-10			
1.65168705499067e-10	100	100			
E2F8-regulon	DZ 2	0.115747818146269		0.041659985297243	
32863975	0.954396820982621	0	0	100	100
EGR1-regulon	DZ 2				
0.0455664847201391		-0.00192934819115074		14993159	
0.435413649325347		7.12722561902176e-10			
7.84547316202395e-10	100	100			
EGR2-regulon	DZ 2				
0.0369271819056188		-0.00927858712348516		11813431	
0.343071737101113		1.06824065194323e-50			
1.59673865869408e-50	100	99.995516097211			
EGR3-regulon	DZ 2	0.0246683872614503		-0.0170935754397018	
6521661.5		0.189394405367115			
4.5694290496737e-193		1.17974350009757e-192		100	
99.995516097211					
ELF1-regulon	DZ 2	0.80935244073909	0.104078530213222		
33164665.5	0.9631291200213	0	0	100	100
ELF2-regulon	DZ 2	0.0161812947889455		-0.0167599102783163	
7281152.5		0.21145064768001	6.65404931332613e-167		
1.54897541392182e-166		98.7046632124352	99.5493677697067		
ELF4-regulon	DZ 2				
0.0157136368941402		-0.00278077544180375		14797366	
0.429727659825578		2.00241356304525e-11			
2.27474180761941e-11		98.4455958549223	98.3342301138911		
ELK1-regulon	DZ 2				
0.0638685385707478		-0.00222427523913923		15271868.5	
0.44350760207384	7.01205106840966e-08	7.5432670584407e-08		100	
100					
ELK3-regulon	DZ 2	0.0560995806489089		-0.0089582863475721	
11575188	0.336152964742584	4.18351746700393e-55			
6.52812615730283e-55	100	100			
ELK4-regulon	DZ 2	0.0345470246506516		-0.0106308760365307	
13207956	0.383569888246274	1.11291358965976e-28			
1.46327527529339e-28	95.0777202072539	96.758138283562			
ESRRA-regulon	DZ 2	0.079403259543375		-0.0125459145882327	
12249227	0.355727610804672	4.00445572422793e-43			
5.80237462082007e-43	100	100			
ETS1-regulon	DZ 2	0.328032598471426		0.0865663810441887	
33252544	0.965681183824681	0	0	100	100

ETV2-regulon	DZ 2			
0.0227658039435869		-0.00593723436091178		11193686
0.325073833383748		1.48455607495402e-62		
2.45124375166827e-62		100	100	
ETV3-regulon	DZ 2			
0.00468892137198908		-0.00685679151110653		9529327
0.276739481298408		4.25709271120287e-101		
8.06009553321077e-101		62.0466321243523	84.7345529548919	
ETV5-regulon	DZ 2	0.0345321886918574		0.00108704076797862
18474613	0.536517932358584			0.000492557541232163
0.000518097561888646		100	100	
ETV6-regulon	DZ 2	0.423668060404163		-0.0365283053232991
4563810.5		0.132536804594304		
2.2502016102974e-269		9.98526964569473e-269	100	100
ETV7-regulon	DZ 2			
0.0637683901852811		-0.000313014743216836		17906463.5
0.52001840433001	0.0560969435941359		0.0573076689954482	100
100				
FLI1-regulon	DZ 2			
0.141357367407792		-0.00261870118258911		14974540
0.434872938275942		5.13782660906967e-10		
5.69977639443667e-10		100	100	
FOS-regulon	DZ 2			
0.0817168940434581		-0.00463956536214254		14659789
0.425732310771171		1.36958632139266e-12		
1.59410866916195e-12		100	100	
FOSB-regulon	DZ 2	0.01886068456029	-0.0230041765924333	
6475160	0.188043963621376			9.89613592924033e-195
2.60231722583727e-194		97.1502590673575	99.3610438525693	
FOSL1-regulon	DZ 2	0.0422364004634463		-0.0188784935176116
7954976	0.231019035445135			2.67124897614806e-145
5.7472326456519e-145		100	100	
FOX01-regulon	DZ 2			
0.00757734483485858		-0.00927748175836326		13355669
0.387859595064083		9.11017979452646e-30		
1.22042031209694e-29		35.880829015544	52.6275670343467	
FOX03-regulon	DZ 2	0.0119865987089939		-0.0078915765164521
15267080.5		0.443368554622067		
4.49873486083213e-09		4.91400269413971e-09		40.2849740932642
46.8724778046812				
GABPA-regulon	DZ 2	0.0339403681447792		0.00859873484651914
26100305.5		0.757974304565264		
8.19700531284239e-134		1.66282107774803e-133	100	100
GTF2B-regulon	DZ 2	0.0977126663042179		0.0189785758093731
26637605	0.773577923260676			3.07283551390401e-150
6.71296373806721e-150		100	100	
HINFP-regulon	DZ 2			
0.00877232752447907		-0.00758730441374362		13203166.5
0.383430797233269		3.68721972916575e-30		
4.98652572896702e-30		48.7046632124352	63.48533763788	

HIVEP3-regulon	DZ 2	0.0610783466615522	-0.0168970978521168
11525733.5		0.334716765451924	4.8202908921617e-56
7.60534785207735e-56		99.7409326424871	99.6928526589544
H0XB2-regulon	DZ 2	0.00903432378350951	-0.0285542048251444
6946774.5		0.201740035978093	
6.0135857232593e-179		1.47229167707383e-178	46.3730569948187
84.3758407317729			
IKZF1-regulon	DZ 2	0.146409362371901	0.00258928179306997
19491784	0.566057413471131	2.90780165155445e-10	
3.25124279150182e-10	100	100	
IRF1-regulon	DZ 2	0.098187800410397	-0.0378994417316186
2618046.5		0.07603022202270016	0 0 100
100			
IRF2-regulon	DZ 2	0.0599196013779982	-0.0255352616530252
4376857.5		0.127107535953698	
2.4979447986967e-277		1.14421987553204e-276	100 100
IRF3-regulon	DZ 2	0.129026172596753	-0.016704557523472
6182783	0.179553095449512	2.32296732983852e-205	
6.87211168410563e-205	100	100	
IRF4-regulon	DZ 2	0.0401313362697548	-0.018597419107646
6239575.5		0.181202396285935	
2.8380671812935e-203		8.22460285191177e-203	100
99.995516097211			
IRF5-regulon	DZ 2	0.00645572696241281	-0.0412915388236701
5586452	0.162235153519074	1.29072130146447e-229	
4.69954935405013e-229	30.9585492227979	81.3357546408394	
IRF7-regulon	DZ 2	0.0879896723753979	-0.0201884978122753
6466553	0.187794009273547	4.86065173650261e-195	
1.30228782374221e-194	100	100	
IRF8-regulon	DZ 2	0.107671458490842	0.0263467821896839
29577757	0.858962351711759	3.74255152588817e-257	
1.47622865743367e-256	100	100	
IRF9-regulon	DZ 2	0.0207672826263845	-0.013376518555679
5863293	0.170274843493207	2.661795304131e-217	
9.21890080942931e-217	100	100	
JUN-regulon	DZ 2	0.066067449561108	-0.0227193674427896
4566808.5		0.132623868976179	
3.01186254347147e-269		1.29601357931197e-268	100 100
JUNB-regulon	DZ 2	0.126811653861981	-0.0335414916862353
3642999.5		0.105795697009911	0 0 100
100			
JUND-regulon	DZ 2		
0.0294764532560818		-0.00913668048491617	9473707.5
0.275124245345221		3.75743101028542e-102	
7.30897538987028e-102	100	100	
KLF11-regulon	DZ 2	0.00352086127841632	-0.0187343617602151
11705459.5		0.339936156077919	
6.19101963441421e-66		1.03426445657273e-65	11.139896373057
41.372971033988			
KLF12-regulon	DZ 2	0.0605757750438429	0.0137602589768167

	23446169	0.680896001102157		9.04867316512474e-67
1.52965665410442e-66	100	98.5786028158909		
KLF13-regulon	DZ 2	0.0501958398896208		-0.0163748507367493
	4823802.5	0.140087185772507		
1.66320745700926e-258	6.74787025415187e-258	100	100	
KLF2-regulon	DZ 2	0.0854627979208336		-0.0237903234301167
	7186853	0.208712112763882		4.7766598675849e-170
1.13047616866176e-169	100	100		
KLF3-regulon	DZ 2	0.0402920715181797		-0.0322864479654255
	7184232	0.20863599677159	3.9021642100159e-170	
9.39164945461453e-170	99.8704663212435	99.8632409649359		
KLF4-regulon	DZ 2			
0.00917319466558759	-0.00684301998459923	14570506.5		
0.423139473654864	4.25238519128714e-15			
5.07427476607373e-15	39.119170984456	49.9977580486055		
KLF6-regulon	DZ 2	0.0352313991392065		-0.0347395150800219
	4144999.5	0.120374189238355		
2.3469152809075e-287	1.14917920651333e-286	100	100	
KLF7-regulon	DZ 2	0.0172886430022728		-0.0292070053826556
	5522339	0.160373259351261	2.01192554621633e-230	
7.51824809375578e-230	87.4352331606218	97.7311451887723		
KLF8-regulon	DZ 2	0.0040157022022307		-0.0214560620395991
	6704785	0.194712462183043	1.13957773686811e-188	
2.83894804623283e-188	32.3834196891192	78.418975876603		
MAFB-regulon	DZ 2			
0.0501561824051495	-0.00572410953321297	13310735.5		
0.386554689325942	2.60160070621541e-27			
3.32817387641971e-27	99.8704663212435	100		
MAFF-regulon	DZ 2			
0.00314343827533907	-0.00940348780318624	14088627		
0.409145297268815	1.4598937347557e-27			
1.88459009395735e-27	11.9170984455959	28.8337368845843		
MAFG-regulon	DZ 2	0.00678192440831677		-0.018947794650967
	10507778	0.305154501815168	6.47820184745717e-83	
1.12183495407185e-82	26.9430051813472	59.1494036409291		
MAX-regulon	DZ 2	0.178982723226633		-0.0190109272366695
	4237531.5	0.12306139450306	2.47562792425051e-283	
1.17179721747857e-282	100	100		
MAZ-regulon	DZ 2	0.159905878462459		0.024010566701554
	30305707.5	0.880102632004472		
4.50440817358027e-288	2.28437843088714e-287	100	100	
MEF2A-regulon	DZ 2			
0.0389018681823161	-0.00188450898312804	15897997		
0.461690887873157	0.000256483950972076			
0.000271796425656976	100	99.9977580486055		
MLX-regulon	DZ 2	0.0371484270836447		-0.0160500974105424
	8054761.5	0.233916888306214		
3.14336366152761e-142	6.56408294024883e-142	99.8704663212435		
99.991032194422				
MXD4-regulon	DZ 2	0.0738367568453174		-0.018649666921592

	16447425	0.477646728168156		0.0327879668662792
0.0337383427174756		90.5440414507772	88.5705317908708	
MXI1-regulon	DZ 2	0.044502459114904		-0.0210858341723035
	7539502	0.218953329309437		1.92687379493681e-158
4.3431123631909e-158		100	100	
MYBL1-regulon	DZ 2	0.165024084052308		0.137472743791682
	33664240	0.97763717373799	0	0
79.7148237826204				100
MYC-regulon	DZ 2	0.285379371289825		-0.0300130111429866
	12136410	0.352451312482488		5.03880526303347e-45
7.37639533351292e-45		100	100	
NFATC1-regulon	DZ 2			
	0.049524209601617	-0.00101083020783418		16693928
	0.484805377709567	0.147040025712313		0.149140597508204
	96.6321243523316	94.79643081338		
NFE2L1-regulon	DZ 2	0.125825117227384		-0.0578258393994659
	9590291.5	0.278509940440761		
3.71352616127399e-99		6.93843045922245e-99		100
99.9349834095597				
NFE2L2-regulon	DZ 2	0.0923168341379362		-0.018884992368975
	8594203.5	0.249582726960987		
3.33811152153192e-126		6.67622304306383e-126	100	100
NFKB1-regulon	DZ 2	0.0282988399804644		-0.0288609800431138
	6139625.5	0.178299766209773		
5.92793876100712e-207		1.79099426396385e-206		99.6113989637306
99.9372253609542				
NFKB2-regulon	DZ 2	0.0445277999060951		-0.0293481040428464
	4104028.5	0.119184357754108		
3.80197127091715e-289		1.99955526100087e-288	100	100
NFYA-regulon	DZ 2	0.00907716437620279		-0.0120767075590059
	6325984	0.183711770082192		4.05094243622169e-200
1.12790946263427e-199		92.4870466321243	99.1301228589364	
NFYB-regulon	DZ 2	0.178978834445513		0.0715716141727647
	33453224	0.971509095817518	0	0
			0	100
			0	100
NFYC-regulon	DZ 2	0.136365170038765		0.0537448132447719
	33910380	0.984785281461315	0	0
			0	100
			0	100
NR1H3-regulon	DZ 2			
	0.0024517152801522	-0.00618795105880769		14807577.5
	0.430024210170978	3.73819195414101e-20		
4.61585441293934e-20		8.80829015544041	22.3343197919469	
NR2C2-regulon	DZ 2	0.00828778398944933		-0.0137320127004945
	10203183.5	0.296308827410632		2.5949262234124e-85
	4.60599404655701e-85	52.3316062176166		76.3877679131916
NR3C1-regulon	DZ 2	0.241824128972994		0.0166294673877381
	26389517.5	0.766373258538118		
1.5540076563219e-142		3.29356846563747e-142	100	100
NRF1-regulon	DZ 2	0.0679466347988666		0.0419308552155949
	33935598	0.985517632889636	0	0
			0	100
99.9663707290826				
PAX5-regulon	DZ 2	0.104943571279181		0.00475682194037315

19690041.5	0.571814974074678				
7.22973127892619e-12	8.27920840006063e-12	100	100		
POU2F1-regulon DZ 2					
0.00117791636383529	-0.00376613934043978	15213268.5			
0.441805809953149	1.91466848509798e-16				
2.32378568276849e-16	7.25388601036269	18.538696081069			
POU6F1-regulon DZ 2					
0.0212304266378903	-0.00994083054510801	14769576			
0.428920615405203	4.2549710692397e-12	4.9122430230247e-12			
58.0310880829015	65.4806743789795				
REL-regulon DZ 2					
0.255680727830987	-0.00817025805056643	13703480			
0.397960312116806	2.09089951661634e-22				
2.60445378385544e-22	100	100			
RELA-regulon DZ 2	0.0788777248012285	-0.0134149711219682			
6054720.5	0.175834055288148				
4.17420689114807e-210	1.31719417454006e-209	100	100		
RELB-regulon DZ 2	0.13248489084559	0.027773737717741			
31413769.5	0.912281662394181	0	0	100	100
REST-regulon DZ 2	0.214817595639985	-0.0038666614972358			
13917363	0.40417165007158	5.98798751753021e-20			
7.33012265076974e-20	100	100			
RFX5-regulon DZ 2	0.15761601576808	0.0938644954068566			
34237124.5	0.994274210054815	0	0	100	100
RXRA-regulon DZ 2	0.00380482116233411	-0.0109109499519663			
9872204.5	0.286696925459879				
2.05204369690654e-96	3.68848360709782e-96	29.6632124352332			
64.8618957940992					
SETDB1-regulon DZ 2					
0.0503717037454073	-0.00950757941581987	12751190.5			
0.370305043043143	3.47762383939513e-35				
4.84139789405988e-35	97.279792746114	95.0139000986459			
SOX5-regulon DZ 2					
0.00266776113277242	-0.00522442766196831	15239983			
0.442581620970354	6.62179236570626e-14				
7.77102905727512e-14	12.0466321243523	22.67509640391			
SP1-regulon DZ 2					
0.00438811319492802	-0.00875470787394194	11470276			
0.333106234111767	6.11969062056792e-61				
9.87495531955278e-61	34.3264248704663	60.2636534839925			
SP2-regulon DZ 2					
0.0279360964383461	-0.000309323253922161	16909516			
0.491066230264439	0.393927967731083	0.393927967731083			
100	100				
SP3-regulon DZ 2					
0.0221322005751347	-0.00624393021073518	9447651			
0.274367543188348	7.9313556279185e-103				
1.56423958217281e-102	100	100			
SP4-regulon DZ 2	0.0035220858949613	-0.0052043826588813			
15023241.5	0.43628726982826	3.29685808489947e-14			

3.90128206713104e-14		18.0051813471503	29.2059008160703	
SPI1-regulon	DZ 2	0.45488920353578	0.0369753014059703	
28417436.5		0.825265691568822	1.61007207337017e-211	
5.31698219578055e-211		100	100	
SPIB-regulon	DZ 2	0.597959537338163	0.0340882746895745	
27832140.5		0.808268215100019		
3.33820001213697e-190		8.46472145934733e-190	100	100
SREBF1-regulon	DZ 2			
0.0330128190451332		-0.00805408847230126	13255074	
0.384938233658265		4.76452215283718e-28		
6.20699216241174e-28		95.8549222797927	96.9128329297821	
SREBF2-regulon	DZ 2			
0.0930457394111704		-0.00603964956325727	11640727.5	
0.3380562856418	7.1239387499216e-54	1.09956445922703e-53		100
100				
SRF-regulon	DZ 2	0.0076912808545724	-0.0133042457480832	
5820742.5		0.169039142031919		
6.41604075941348e-219		2.27769446959178e-218	86.139896373057	
98.1391803425702				
STAT1-regulon	DZ 2	0.0592102161210909	-0.020914114299857	
3086318.5		0.0896292236389496	0	0
100				100
STAT2-regulon	DZ 2	0.0533281183958122	-0.0131296156401926	
11216934	0.325748974394359	4.35931989296919e-62		
7.11521177932902e-62		99.8704663212435	99.9641287776881	
STAT5A-regulon	DZ 2	0.0579132499397872	-0.013931602324013	
9479382.5		0.275289052005373		
5.26893010281115e-102		1.01106496567457e-101	100	100
TBP-regulon	DZ 2			
0.019899209973225		-0.00101939871435887	16764453	
0.486853481622736		0.179660180787204	0.180934366466546	
48.3160621761658	49.9125638956147			
TCF12-regulon	DZ 2			
0.00208335770009006		-0.00708082450900932	14248563	
0.413789970043812		4.04511190282725e-27		
5.12862401965598e-27		8.93782383419689	25.5021971123666	
TFDP1-regulon	DZ 2	0.610453979971549	0.0837149535989418	
32213729.5		0.935513157699093	0	0
100				100
TFDP2-regulon	DZ 2	0.0680408621428374	0.0416259065868703	
33668326	0.9777558345333	0	0	100
99.995516097211				
TFEC-regulon	DZ 2	0.0669058699585809	-0.0250620663696472	
6069406.5		0.176260548787883		
1.47079665277472e-209		4.54028531943502e-209	100	100
THAP1-regulon	DZ 2			
0.0347670827738959		-0.00243953504726525	14322830.5	
0.415946759230218		1.04979744733797e-15		
1.26331557222027e-15		100	100	
THAP11-regulon	DZ 2	0.167907625239301	-0.0107530302987386	

	7623103	0.221381171000254		9.45029303265332e-156
2.09678376661996e-155		100	100	
TP53-regulon	DZ 2	0.088121857475824		-0.0104119778307377
	12389364	0.359797304361281		8.0187452633551e-41
1.15016346201659e-40		100	100	
USF2-regulon	DZ 2			
0.119005119672567		-0.00638979761428962		11806302.5
0.342864719607387		7.93488541819651e-51		
1.19867418019564e-50		100	100	
XBP1-regulon	DZ 2	0.167955239693469		-0.02780773096917
	4084918	0.118629373141097		5.5327728083547e-290
3.02174514917834e-289		100	100	
YBX1-regulon	DZ 2	0.128546137088777		0.0339398065756577
	33896477	0.984381526924558	0	0 100 100
YY1-regulon	DZ 2	0.705465645454182		0.0671365338922607
	31152836	0.904703939282845	0	0 100 100
YY2-regulon	DZ 2	0.0378482552266465		-0.0133814659588444
	13458088.5	0.390833941448129		
1.97301648956641e-25		2.4793658541454e-25		90.4145077720207
90.5322392610528				
ZBTB33-regulon	DZ 2	0.352006284588407		-0.0140589191719858
	10329439	0.299975390808139		3.20036545737849e-81
5.47532403551501e-81		100	100	
ZNF143-regulon	DZ 2			
0.017177682853995		-0.00625954919160726		9654695.5
0.280380285487535		1.60268799047529e-97		
2.91771403394219e-97		100	99.9932741458165	
ZNF274-regulon	DZ 2	0.047104807874297		-0.0185523616386521
	4697337.5	0.136414538322965		
9.16853436005297e-264		3.82921140919859e-263	100	100
ZNF76-regulon	DZ 2			
0.0112381015925816		-0.00337644994838587		12728303.5
0.369640385768975		1.59016946559714e-35		
2.23568380311678e-35		99.2227979274611	99.464173616716	
ATF1-regulon	DZ 3			
0.102201553162691		-0.00413086592240695		22365190.5
0.434226514035357		1.63755623653564e-14		
1.97061852193271e-14		100	100	
ATF3-regulon	DZ 3	0.0383292350273652		-0.0130270061379358
	12597162	0.244577471495209		2.9102142610343e-195
6.88750708444783e-195		100	100	
ATF4-regulon	DZ 3	0.087990156650212		-0.0213085698854496
	9473727	0.183935095483879		7.37938698280565e-298
2.61968237889601e-297		100	100	
ATF5-regulon	DZ 3			
0.111517219240823		-0.00709847103720826		22757667
0.441846556549003		1.14509033969352e-11		
1.32197421330471e-11		100	99.9977381194725	
ATF6-regulon	DZ 3	0.119871977104282		-0.0169778643060616
	10878310.5	0.211205482332432		

4.94181562835024e-249	1.37595650828575e-248	100	100
ATF6B-regulon DZ 3			
0.052767828010656	-0.00464801832479883	13855485.7597656	
0.269008184022826	4.2822411741877e-160		
9.80771365701055e-160	100 99.9185723010111		
BACH1-regulon DZ 3	0.0175896061464413	-0.0263702696880569	
6953531.5	0.135004785382 0	0	
96.824034334764	99.6358372350772		
BATF-regulon DZ 3	0.00868782063396714	-0.0108849980872059	
20772470	0.403303393995416	4.54423177668891e-33	
6.51798901302853e-33	39.1416309012876	52.0481328176246	
BATF3-regulon DZ 3			
0.0806851187707392	-0.00254380679009775	27886805.5	
0.541430234624964	1.32984160506187e-06		
1.44150769403653e-06	100 100		
BCL11A-regulon DZ 3			
0.196171223806185	-0.00854858745953746	18424635	
0.357719511864825	6.38224934253535e-62		
1.02986296209093e-61	100 100		
BHLHE40-regulon DZ 3	0.0317646384074757	-0.0245159699196796	
5804082	0.112687897473324 0	0 100 100	
BRF2-regulon DZ 3			
0.0330392381557943	-0.00879900605060021	17820299	
0.345986157097019	3.07757797357786e-72		
5.20257228866733e-72	99.9141630901288	99.7240505756486	
CEBPB-regulon DZ 3	0.120606187341229	-0.0230783559575807	
7573656.5	0.14704468806095 0	0 100 100	
CEBPG-regulon DZ 3			
0.0614930271384601	-0.00674077163626462	23368621.5	
0.453708411370638	6.56815833107595e-08		
7.28655064853738e-08	100 100		
CLOCK-regulon DZ 3	0.0057448572048595	-0.0101094229978013	
18658788	0.362265658741639	1.33043566716189e-65	
2.19676586903475e-65	29.0128755364807	51.6749225305919	
CREB1-regulon DZ 3			
0.0397165042087179	-0.00334045626945401	22637216.5	
0.439507975944075	1.66615149629249e-12		
1.93929108584863e-12	100 99.9932143584176		
CREB3-regulon DZ 3	0.227521384436132	-0.0126021821108583	
18216720	0.353682783196422	2.22433410520965e-65	
3.63052233264104e-65	100 100		
CREB3L2-regulon DZ 3	0.108678039980314	-0.0185760922495335	
8618896.5	0.167338318983983	0 0 100	
100			
CREB3L4-regulon DZ 3	0.00405419050688691	-0.0072328530178547	
21269479	0.412952964631275	4.73690280323934e-35	
6.93443503154625e-35	15.450643776824	31.7658501277963	
CREB5-regulon DZ 3	0.024860728286126	-0.0146907603961333	
15154342.5	0.294225855857246		
1.91536752531418e-127	3.8854598370659e-127	99.5708154506438	

99.6245278324399
CREM-regulon DZ 3 0.153214664104979 0.00329982703597478
29630874 0.5752918189917 1.53386443749528e-18
1.96224099211108e-18 100 100
CTCF-regulon DZ 3 0.416879481229578 0.047252405044529
46285968.5 0.898655200388539 0 0 100
100
CUX1-regulon DZ 3 0.0975449622475231 0.0213962313945543
43312776 0.840929825108097 0 0 100 100
DDIT3-regulon DZ 3 0.0585647996407548 -0.0270374981814124
7219250.5 0.140163795097699 0 0 100
100
E2F1-regulon DZ 3 0.548581428130687 0.113808459438674
48141692.5 0.934684607941841 0 0 100
100
E2F2-regulon DZ 3 0.0745811520764111 0.0212045741974536
45371870 0.880907718866307 0 0 100 100
E2F3-regulon DZ 3
0.0156765968559845 -0.00558202032822258 14983729
0.290913346386228 1.62468906147778e-131
3.39273304014477e-131 100 100
E2F4-regulon DZ 3 0.421848658666791 0.0238022444560282
37001770.5 0.718399864170677
2.60887267406407e-143 5.69938338026305e-143 100 100
E2F6-regulon DZ 3 0.0664021994816857 -0.0061570994996485
26006565.5 0.504924841981435 0.565448453102871
0.565448453102871 100 100
E2F7-regulon DZ 3
0.0303723823323619 -0.00020695843842897 25245770
0.490153781665235 0.250501568847095 0.255908077527248
100 100
E2F8-regulon DZ 3 0.10453535189943 0.0305223839266624
46626428 0.90526531810049 0 0 100 100
EGR1-regulon DZ 3
0.0402653458908202 -0.00738732718638489 14645277
0.284342204855898 8.75463989576765e-140
1.88357403818031e-139 100 100
EGR2-regulon DZ 3 0.0306920330784365 -0.0157605169129437
12153831.5 0.235970084154576
1.67973750811338e-208 4.18460923073861e-208 100
99.9954762389451
EGR3-regulon DZ 3 0.0233748937069909 -0.0185731017719483
8456995 0.164194955462796 0 0 100
99.9954762389451
ELF1-regulon DZ 3 0.779489256281213 0.0743535976039891
46660478.5 0.905926418211225 0 0 100
100
ELF2-regulon DZ 3 0.0158225301317256 -0.017277110744838
10483096 0.203532280772569 2.51117053313044e-262
7.75187425444615e-262 98.7124463519313 99.5566714166158

ELF4-regulon	DZ 3				
0.0134068442257676		-0.00517307303445507		18494121.5	
0.359068611961581		8.68736861713786e-61			
1.37067371514842e-60		96.824034334764	98.3759697812762		
ELK1-regulon	DZ 3	0.069359414566686		0.00339151831953875	
30098197		0.58436502752165	7.12706325063279e-23		
9.54757529801751e-23		100	100		
ELK3-regulon	DZ 3				
0.0559910824294859		-0.00914927550726393		17460868	
0.339007702334193		9.27413589515845e-79			
1.60600889891768e-78		100	100		
ELK4-regulon	DZ 3	0.0325982869776861		-0.0127254645988985	
18626129		0.361631574997891	1.15429343598242e-58		
1.80120514186268e-58		92.7896995708155	96.8333672615412		
ESRRA-regulon	DZ 3				
0.0901662127099427		-0.00161087085583585		28924174.5	
0.561571047851587		6.67968545877744e-13			
7.83896971195368e-13		100	100		
ETS1-regulon	DZ 3	0.299877327087883		0.0584386977402767	
46136031		0.895744121319117	0	0	100 100
ETV2-regulon	DZ 3				
0.0217718482748041		-0.00701015887133963		15145947.5	
0.294062864552284		1.21181127785145e-127			
2.49387248485371e-127		100	100		
ETV3-regulon	DZ 3	0.006240087247341		-0.0053257023320311	
16976648		0.329606433758984	2.49334838666323e-88		
4.4817148215972e-88		69.4420600858369	84.7413539616837		
ETV5-regulon	DZ 3				
0.0322726475996158		-0.00122237837159614		23596653.5	
0.458135717297163		1.02958316132201e-06			
1.12462160698251e-06		100	100		
ETV6-regulon	DZ 3	0.431011434520693		-0.0293161336936235	
8355246		0.162219469782198	0	0	100 100
ETV7-regulon	DZ 3				
0.0591961649507477		-0.00500850471259705		21617499	
0.41970987159411		7.21867403948665e-21	9.49121957043615e-21		100
100					
FLI1-regulon	DZ 3	0.13494133162114	-0.00922708347251436		
18484461		0.358881050615353	6.05516925961663e-61		
9.66105657152316e-61		100	100		
FOS-regulon	DZ 3	0.0628157224499075		-0.0240800419724041	
6521958.5		0.12662567323709	0	0	100 100
FOSB-regulon	DZ 3	0.0169924072373697		-0.0251261732268831	
8204824		0.159298984007922	0	0	
96.0515021459228		99.4096491823302			
FOSL1-regulon	DZ 3	0.0473458702639151		-0.0138021990724814	
16554516		0.321410621305575	1.77094451000267e-96		
3.3088700055313e-96		100	100		
FOXO1-regulon	DZ 3				
0.0101346566166213		-0.00673525179120056		22138380	

0.429822923877624		4.20668331298966e-18	
5.33347348611189e-18		44.2918454935622	52.554794055778
FOX03-regulon	DZ 3	0.00723891504308656	-0.0128345156853281
19642930.5		0.381373064381177	
5.05825272015243e-51		7.6411902793792e-51	28.2403433476395
47.2484223383321			
GABPA-regulon	DZ 3		
0.0243217120494693		-0.00119694578015976	23724768.5
0.460623106342459		4.315057356944e-06	
4.60705371944397e-06		100	100
GTF2B-regulon	DZ 3	0.0735829201918458	-0.005618306851094
21964743.5		0.426451722004593	
9.18883813301925e-18		1.15470355299888e-17	100
HINFP-regulon	DZ 3	0.0179135086008619	0.00172731009141002
27809605	0.539931365031308		1.74754805032992e-06
1.87993805414279e-06		71.4163090128755	63.0182533758567
HIVEP3-regulon	DZ 3	0.0561181932157559	-0.0221381573669963
14871602.5		0.288736378601135	
3.16013799130697e-134		6.69760589202372e-134	99.8283261802575
99.6901223677365			
H0XB2-regulon	DZ 3	0.0106425183612599	-0.027157456625291
11507978	0.223430655354158		1.49853460146457e-229
3.86894388014489e-229		55.6223175965665	84.4699282983873
IKZF1-regulon	DZ 3	0.146774420383883	0.00298697603423981
29917400	0.580854802511134		3.85783704244368e-21
5.11974635539255e-21		100	100
IRF1-regulon	DZ 3	0.0975417205515296	-0.0388994417378725
3607572	0.0700420331180081	0	0
			100
			100
IRF2-regulon	DZ 3	0.0581638653640674	-0.0275642507099967
5470094	0.106203425768527	0	0
			100
			100
IRF3-regulon	DZ 3	0.13322290938401	-0.012545722904218
12436898.5	0.241465910208391		5.35406338729942e-200
1.28860508643477e-199		100	100
IRF4-regulon	DZ 3	0.0388986710152653	-0.0200278822117835
8603015.5	0.167029984866757		0
			0
			100
99.9954762389451			
IRF5-regulon	DZ 3	0.007591635697023	-0.0404927462158583
8686871	0.16865806317209	0	0
			32.1888412017167
81.7511479043677			
IRF7-regulon	DZ 3	0.0834384967974421	-0.0250390604022539
7099641.5	0.137841552453835		0
			0
			100
IRF8-regulon	DZ 3	0.104282712374728	0.0231029411011707
42710180.5	0.829230262641218		0
			0
			100
IRF9-regulon	DZ 3	0.0229342641123181	-0.0112713415609641
11440207	0.222114862176242		9.89726329180431e-231
2.60261368043743e-230		100	100
JUN-regulon	DZ 3	0.058222656491571	-0.0309728347185429
3197106.5	0.0620727290695235		0
			0
			100

100

JUNB-regulon	DZ 3	0.12475910255445	-0.0359462862930801			
4581921.5		0.0889593048862541	0	0	100	100
JUND-regulon	DZ 3	0.0242350329085473	-0.014597434711699			
8540816		0.165822363940848	0	0	100	100
KLF11-regulon	DZ 3	0.00373189642443036	-0.0186842989565289			
17931292		0.348141117658268	4.0218649618585e-88			
7.13881030729884e-88		14.0772532188841	41.5643165727986			
KLF12-regulon	DZ 3	0.0522195647149752	0.00530617248013459			
29723074		0.577081908130179	2.33895119579695e-19			
3.01937336184697e-19		99.3991416309013	98.581800909276			
KLF13-regulon	DZ 3	0.0520865842183607	-0.0145798427450423			
9244892		0.179492199084705	3.13969251383774e-306			
1.14317009478195e-305		100	100			
KLF2-regulon	DZ 3	0.083888753476351	-0.0256173220915557			
9884271		0.191905923632118	3.92566095377418e-283			
1.29638105915333e-282		100	100			
KLF3-regulon	DZ 3	0.0381943846877661	-0.0347264111344843			
9619910		0.186773279871409	1.42734615603639e-292			
4.82578938469445e-292		99.8283261802575	99.8642871683518			
KLF4-regulon	DZ 3	0.00884200324985244	-0.0072437675029622			
21329619		0.414120599780821	7.89677269067277e-27			
1.08868128356848e-26		37.0815450643777	50.1481531745493			
KLF6-regulon	DZ 3	0.0319661000647982	-0.0383996639168906			
4448481.5		0.0863685294563342	0	0	100	
100						
KLF7-regulon	DZ 3	0.0151846434303559	-0.0316260738880204			
7026578		0.136423003888008	0	0		
84.549356223176		97.8987129899799				
KLF8-regulon	DZ 3	0.00500966844314483	-0.020626630907841			
10969184.5		0.212969826804993				
8.75882660393125e-249		2.39183341876584e-248	38.5407725321888			
78.6659428648979						
MAFB-regulon	DZ 3					
0.0496235237692292		-0.00632168690784988	18910789			
0.367158329598318		3.27488717807696e-54				
5.00036536867664e-54		100	99.9977381194725			
MAFF-regulon	DZ 3					
0.0045363302590841		-0.00805747840518162	21842189			
0.424072291643186		1.01762249412683e-28				
1.43071677392089e-28		14.8497854077253	28.9068331410735			
MAFG-regulon	DZ 3	0.00840873147770427	-0.0174465502936193			
16855539		0.327255068189873	3.79787063544257e-97			
7.19063506977127e-97		32.618025751073	59.2861505055303			
MAX-regulon	DZ 3	0.185195263965061	-0.01280367216117			
10192334		0.19788705411224	2.49608658434103e-272			
7.87653988836502e-272		100	100			
MAZ-regulon	DZ 3	0.161447435494662	0.025806179662286			
44127985.5		0.856757348660535	0	0	100	
100						

MEF2A-regulon	DZ 3			
0.0356155003844409		-0.00527422731627487	20351522.5	
0.395130578945309		1.92136811694925e-34		
2.78402318986524e-34		100	99.9977381194725	
MLX-regulon	DZ 3			
0.047411650504319		-0.00565910110522973	21378175	
0.41506332828633	3.66257671691929e-23	4.95319898859562e-23	100	
	99.9886905973626			
MXD4-regulon	DZ 3			
0.0730612175657893		-0.019611422806961		
24877578.5		0.483005239311328	0.0471562587275604	
0.0485231068066201		90.2145922746781	88.5616701725815	
MXI1-regulon	DZ 3			
0.0414089321444141		-0.0244483143840757		
9509440.5		0.18462848321107	1.45857985790776e-296	
5.05166682494881e-296		100	100	
MYBL1-regulon	DZ 3			
0.059692935960181		0.0305880456957728		
40791553	0.791979565802424	1.58889833179712e-256		
4.60456251255493e-256		98.4549356223176	79.575218836941	
MYC-regulon	DZ 3			
0.305866064344224		-0.00925326649443287	28033624	
0.544280757425157		2.36713152625363e-07		
2.60567966455826e-07		100	100	
NFATC1-regulon	DZ 3			
0.0376575059033336		-0.0131992177875085		
20196101	0.392113026461187	2.33230082968061e-36		
3.44986164390257e-36		92.1888412017167	94.8971975300265	
NFE2L1-regulon	DZ 3			
0.142676570048627		-0.0410443603935005		
18734572	0.363737026586221	6.04141068642251e-57		
9.32478605947823e-57		99.9141630901288	99.9366673452308	
NFE2L2-regulon	DZ 3			
0.0908177968658546		-0.0205914029287675		
11491149.5		0.223103925255818		
4.16878839008887e-229		1.05708562748682e-228	100	100
NFKB1-regulon	DZ 3			
0.0303571752295727		-0.027004956539764		
10113494.5		0.19635636286893	4.49356390127957e-275	
1.45019562268568e-274		99.7424892703863	99.9366673452308	
NFKB2-regulon	DZ 3			
0.0433902979078611		-0.0307764611386077		
5073670	0.0985067414232742	0	0	100
				100
NFYA-regulon	DZ 3			
0.0101385632748824		-0.0110946919892202		
10703386.5		0.207809283281897		
7.12141772981014e-255		2.02248263526608e-254	94.8497854077253	
99.1269141163964				
NFYB-regulon	DZ 3			
0.150929996654607		0.0434198777444947		
47582819.5		0.923833930207686	0	0
				100
NFYC-regulon	DZ 3			
0.101403302592859		0.0183394167230867		
43499083	0.844547028330685	0	0	100
				100
NR1H3-regulon	DZ 3			
0.00388652873696773		-0.00477033483998545	23071303	
0.447935888404057		5.88997771939126e-17	7.2728420535092e-17	
12.4463519313305		22.3586890140463		
NR2C2-regulon	DZ 3			
0.0103584359042042		-0.0117288637038054		
16951282.5		0.329113955385426		

1.02972919632302e-89	1.87463520356241e-89	57.5107296137339
76.465133111669		
NR3C1-regulon DZ 3	0.227502302655148	0.0020780704431948
27112328	0.526393534399951	0.00206766373850693
0.0021588841975587	100	100
NRF1-regulon DZ 3		
0.0242752297938228	-0.00251859961259579	22218640
0.431381194531142	1.1624137844523e-15	1.4229548051054e-15
100	99.9660717920879	
PAX5-regulon DZ 3	0.101140625736504	0.00089594962529374
26189738.5	0.508481197705541	0.322260622097767
0.326864345270592	100	100
POU2F1-regulon DZ 3		
0.00184212740890347	-0.00311790366107896	23577755
0.457768797561984	2.834376210514e-13	
3.38219682263015e-13	10.5579399141631	18.5519440863134
POU6F1-regulon DZ 3		
0.022062920957328	-0.00917476518050238	22398007.5
0.434863665393898	8.15708947560738e-15	
9.90005731227562e-15	59.2274678111588	65.5153694781842
REL-regulon DZ 3		
0.259490489231246	-0.00433273295761871	24285717.5
0.471514090205155	0.000885663523752306	0.0009315868175765
100	100	
RELA-regulon DZ 3	0.0788953964655497	-0.0135160820267361
9133020.5	0.177320182196903	0
100		100
RELB-regulon DZ 3	0.12060657011971	0.0158292984982144
40853794.5	0.79318800217024	1.33251550788434e-256
3.94202504415783e-256	100	100
REST-regulon DZ 3	0.215293732315126	-0.0034123496788479
21318138	0.413897692910985	9.29622477532435e-24
1.26929222893852e-23	100	100
RFX5-regulon DZ 3	0.0745443289413349	0.00943817356940649
35628105.5	0.691729768764944	
6.68132012598891e-111	1.33626402519778e-110	100
RXRA-regulon DZ 3		100
0.00520363121221489	-0.00957226949931276	16345160.5
0.317345924921293	1.46672094526972e-105	
2.85307361956576e-105	35.6223175965665	65.0177557621406
SETDB1-regulon DZ 3		
0.0572025644201879	-0.00258123404321058	24276182.5
0.471328965477005	0.000818838251411087	
0.000867724117166973	98.7124463519313	94.9560064237407
SOX5-regulon DZ 3		
0.00409226983404218	-0.00380882279535902	23677723.5
0.459709714330314	1.25729328322758e-10	
1.41694957316124e-10	15.2789699570815	22.684399810002
SP1-regulon DZ 3		
0.0045431355275226	-0.00867342282792732	17114671.5

0.332286199140815		4.27003981351406e-91	
7.87461887687008e-91		33.8197424892704	60.5075659903644
SP2-regulon	DZ 3		
0.0275302955150851		-0.000728567033359044	24701114
0.479579131016566		0.0171591825270763	0.0177854300645608
	100 100		
SP3-regulon	DZ 3		
0.0221755186510876		-0.00625497414908498	14460743
0.280759424930952		2.12107930297903e-144	
4.70614470348473e-144		100 100	
SP4-regulon	DZ 3		
0.00315904505657937		-0.00562325270179729	21685297.5
0.421026198692322		1.31511401820807e-30	
1.86746190585545e-30		14.5922746781116	29.3953993350071
SPI1-regulon	DZ 3	0.44987105757585	0.0321536032397844
40890571.5	0.793902038051432		7.6513066144941e-258
2.31167136012375e-257	100 100		
SPIB-regulon	DZ 3	0.605002113705772	0.0416194465067605
	44053224.5	0.855305842650971	0 0 100
	100		
SREBF1-regulon	DZ 3	0.0301571211193062	-0.011056630958378
	17537827 0.340501883136885		2.42867054938055e-77
4.1550749158077e-77		93.5622317596567	96.9826513763543
SREBF2-regulon	DZ 3		
0.0934772714732791		-0.00565043383477599	18076719
0.350964624091474		9.22063919231034e-68	
1.54038913565655e-67		100 100	
SRF-regulon	DZ 3	0.0104927179755997	-0.0105472521893594
	12159739 0.236084779941838		2.52749663165221e-208
6.18800899473472e-208		92.4463519313305	98.0796634321775
STAT1-regulon	DZ 3	0.0582538001121084	-0.0220816422848253
	3840989.5	0.0745739000538095	0 0 100
	100		
STAT2-regulon	DZ 3	0.0466402029181027	-0.0201104754185993
	12740606.5	0.247362487128881	
4.50491016614989e-191		1.04868400589063e-190	99.3991416309013
99.9773811947253			
STAT5A-regulon	DZ 3		
0.0662227010459486		-0.00552703030166926	22564539.5
0.43809693138532	5.02629764570959e-13		5.94778554742302e-13 100
	100		
TBP-regulon	DZ 3		
0.0195397331035661		-0.00139740975533029	25467299.5
0.494454839710817		0.488819232907473	0.492286035977739
	50.0429184549356	49.8812512723078	
TCF12-regulon	DZ 3		
0.0050938472391887		-0.00405394863436049	23576822
0.457750683102481		1.01770919138871e-10	
1.16544117078384e-10		17.6824034334764	25.4190133677139
TFDP1-regulon	DZ 3	0.607661672031014	0.0815932239763286

47451574	0.921285761617402	0	0	100	100
TFDP2-regulon	DZ 3	0.0297593835592599	0.00270569688974129		
30584434	0.593805456723673	6.80416642401186e-28			
9.47246698244788e-28	100	99.9954762389451			
TFEC-regulon	DZ 3	0.0664392066541368	-0.0257638081575671		
8775500.5	0.170378830040841	0	0	100	
100					
THAP1-regulon	DZ 3				
0.0320234058936334	-0.00527719579667975	16344169.5			
0.317326684375347	7.49364616210956e-101				
1.43796993921562e-100	100	100			
THAP11-regulon	DZ 3				
0.176737739311898	-0.00178582043579159	22910803			
0.444819735402692	1.19488583103388e-10				
1.35739030405448e-10	100	100			
TP53-regulon	DZ 3	0.100269693776923	0.00196341093475501		
28376327	0.550934433325635	2.77372926870939e-09			
3.1013350878483e-09	100	100			
USF2-regulon	DZ 3				
0.120343591129504	-0.00507285634701307	19294627			
0.37461065318547	1.70596830200842e-48	2.54997367247574e-48	100		
100					
XBP1-regulon	DZ 3	0.173930360225965	-0.0219223488015727		
11054086.5	0.214618223204506				
3.12408931089269e-243	8.3702015499389e-243	100	100		
YBX1-regulon	DZ 3	0.10119097184219	0.0061655052876327		
35475500.5	0.688766899426793	1.46558978926188e-107			
2.89046875104427e-107	100	100			
YY1-regulon	DZ 3	0.703064312838044	0.0652687134183909		
45576233.5	0.884875494155369	0	0	100	
100					
YY2-regulon	DZ 3	0.031585765112337	-0.0199279287746308		
16983183.5	0.329733322344283	6.0707854531806e-88			
1.06426115352055e-87	83.519313304721	90.7149804347334			
ZBTB33-regulon	DZ 3				
0.362199406125476	-0.00372217203594616	21771113.5			
0.422692340660953	1.83967776782285e-19				
2.39664443147564e-19	100	100			
ZNF143-regulon	DZ 3				
0.0169093447734217	-0.00659060054933265	13976206			
0.271352001710875	7.016236454656e-157				
1.58143742311294e-156	100	99.9932143584176			
ZNF274-regulon	DZ 3	0.0493604333210905	-0.0164022138892298		
8956165.5	0.173886492233935	0	0	100	
100					
ZNF76-regulon	DZ 3				
0.0127424841462317	-0.00186243945496316	22044211			
0.427994606045939	4.32958029229043e-17				
5.39298597811614e-17	99.5708154506438	99.4571486734071			
ATF1-regulon	GC				

0.0985494361680518		-0.00798377736625101	25932830	
0.34079900010261	6.2733935646445e-113		1.46036374783528e-112	100
	100			
ATF3-regulon	GC	0.0394036682042259	-0.0120824965284893	
	20091966.5	0.264040680993749		
1.21926051639583e-245		4.3283748332052e-245	100	100
ATF4-regulon	GC	0.0929541263103047	-0.0164289534265963	
	19446482	0.255557978867459	1.83578952332886e-263	
6.86005558717627e-263		100	100	
ATF5-regulon	GC			
0.114730504747721		-0.00385094563313607	35989311.5	
0.47295730445082	0.000124965296336649		0.000144268878697595	100
	99.9977081041437			
ATF6-regulon	GC			
0.129512016128611		-0.00717780409028504	32882853	
0.43213345488792	6.13230707465809e-22		8.13820191216308e-22	100
	100			
ATF6B-regulon	GC			
0.0533480312292308		-0.00410630355958089	22270952.5898438	
0.292676054790448		3.81201735654806e-190		
1.12772180131214e-189		99.7706422018349	99.9266593325999	
BACH1-regulon	GC	0.0235749954580695	-0.0204955759024167	
	15694374.5	0.206249265384298	0	0
99.2545871559633		99.5759992665933		
BATF-regulon	GC			
0.0110327732140161		-0.00859076095895571	32914821	
0.432553565706341		3.10432742830336e-24		
4.27975237688425e-24		43.9220183486239	52.0283278327833	
BATF3-regulon	GC	0.0656586440739552	-0.0182046561660772	
	26301352.5	0.345641977113422		
2.79581563706204e-106		6.40331968488404e-106	100	100
BCL11A-regulon	GC	0.222666611623756	0.0188923981810711	
	55464263	0.728889418232725	2.88410971435465e-231	
9.98886779117952e-231		100	100	
BHLHE40-regulon	GC	0.0347326273009331	-0.021754677348951	
	11044567.5	0.145143339950394	0	0
	100			100
BRF2-regulon	GC			
0.0324887507160043		-0.00948826032661809	25603599	
0.336472376452095		4.83466596320364e-119		
1.16359757080494e-118		99.6559633027523	99.7318481848185	
CEBPB-regulon	GC	0.121473310345662	-0.0224828250318899	
	11502232	0.151157785885622	0	0
			0	100
				100
CEBPG-regulon	GC	0.055259106435326	-0.0133133168462666	
	25842269.5	0.339608889811955		
1.3560146223017e-114		3.20923460611403e-114	100	100
CLOCK-regulon	GC			
0.00840148417154636		-0.00748076170964913	30977293.5	
0.407091345244043		1.08791105087297e-44		
1.73576819352766e-44		38.0733944954128	51.6134946828016	

CREB1-regulon	GC	0.049934433274808	0.00724156209144833
48627990	0.639049820979804	1.3132734387263e-86	
2.6265468774526e-86	100	99.9931243124312	
CREB3-regulon	GC		
0.234125992431642	-0.00590081547714755	36382060	
0.478118649976618	0.00190919618596731	0.00211801451880749	
100	100		
CREB3L2-regulon	GC		
0.118459891259132	-0.00864976005721702	28555118	
0.375260072356624	4.57093882422867e-70		
8.54043832947988e-70	100	100	
CREB3L4-regulon	GC		
0.00685402302125478	-0.00441708985607851	34618931	
0.454948305658165	7.81566382631795e-15		
9.99841678682116e-15	23.9105504587156	31.6442060872754	
CREB5-regulon	GC		
0.0281167466515633	0.0281167466515633	-0.0114995443372609	
26753437.5	0.351583099465336		
2.10756853293285e-98	4.53446563146159e-98	99.3119266055046	
99.6355885588559			
CREM-regulon	GC		
0.153221148554264	0.153221148554264	0.00335035963188063	
43136976	0.566889085697561	2.34078722013397e-21	
3.07770171536133e-21	100	100	
CTCF-regulon	GC		
0.391797805482221	0.391797805482221	0.0217952411237536	
60912951	0.800493921955269	0	100
		0	100
CUX1-regulon	GC		
0.106421715368862	0.106421715368862	0.0309117238682282	
70351815.5	0.924535747845618	0	100
100			
DDIT3-regulon	GC		
0.0659984132522742	0.0659984132522742	-0.0196655477828686	
17529351.5	0.230363807715825	0	100
100			
E2F1-regulon	GC		
0.49151912016819	0.49151912016819	0.0559755801736544	
64128130.5	0.842746539920621	0	100
		0	100
E2F2-regulon	GC		
0.0518747593518903	0.0518747593518903	-0.0021280217827337	
37386454	0.49131799886793	0.218100270934528	
0.226060134837248	100	100	
E2F3-regulon	GC		
0.0165883025842265	-0.00470794695650761	24631602.5	
0.323698782698415	4.82708027850596e-138		
1.26934333249601e-137	100	100	
E2F4-regulon	GC		
0.38909022035839	0.38909022035839	-0.00994971275752898	
37727798.5	0.49580381334674	0.551673397448067	
0.563580017536875	100	100	
E2F6-regulon	GC		
0.0568048124377904	0.0568048124377904	-0.0162198056582956	
24607358.5	0.323380177634545		
1.55442889998792e-138	4.16469629808084e-138	100	100
E2F7-regulon	GC		
0.0273185854286948	-0.00338556398565688	30053984	
0.394957576797435	3.25045235480627e-50		
5.43016746332342e-50	100	100	
E2F8-regulon	GC		
0.0770861675216768	0.0770861675216768	0.00238107181556531	

	47891012	0.629364747445693		3.22903971770373e-75
6.19626540424229e-75		100	100	
EGR1-regulon	GC	0.0477740748286372		
0.000323500230223747		38922800.5		0.511508057222962
0.102576483259851		0.107895263873324		100 100
EGR2-regulon	GC			
0.037383984162875		-0.00901022737510709		26769314
0.351791742152044		3.9339905445836e-98		
8.33771130344584e-98		100		99.9954162082875
EGR3-regulon	GC	0.0303801558082533		-0.0115343011856602
	21888991	0.287656466573645		2.47681009359226e-199
7.64580507152392e-199		100		99.9954162082875
ELF1-regulon	GC	0.767161251415614		0.0625195121674119
	68268269.5	0.897154609980302		0 0 100
	100			
ELF2-regulon	GC	0.0204106349492354		-0.0127348849225502
	21629171	0.284242014845598		9.99145183087459e-206
3.1528581332982e-205		99.4266055045871		99.5393289328933
ELF4-regulon	GC			
0.0170310047126887		-0.00147269952493033		35373978
0.464870834847246		6.25078838752527e-07		
7.45892395822344e-07		99.197247706422		98.3017051705171
ELK1-regulon	GC	0.0666276703818246		
0.000595590215732841		39417795		0.518013079260908
0.0106106232001773		0.0114144582910998		100 100
ELK3-regulon	GC	0.0697160463367214		0.00500287272650975
	44769427.5	0.588342117970398		
4.99624692256072e-36		7.71159851090894e-36		100 100
ELK4-regulon	GC	0.0452112276103101		
0.000222755747250773		38277595		0.503029021604378
0.66741946696168		0.676954030775418		96.8463302752293
	96.7248808214155			
ESRRA-regulon	GC	0.0798060016555008		-0.0124065628028446
	28629116	0.37623252481976		5.24048270819891e-69
9.54036595595186e-69		100		100
ETS1-regulon	GC	0.305192487666072		0.0647417948338664
	70966476.5	0.932613379720044		0 0 100
	100			
ETV2-regulon	GC			
0.0240093541011047		-0.00477624380011414		27555244
0.362120123518468		3.44946040907735e-85		
6.70990928889018e-85		100		100
ETV3-regulon	GC			
0.00858165907948748		-0.00296120879964128		31721585
0.416872529903984		3.27229027196359e-32		
4.84026269394615e-32		80.2178899082569		84.5136596993033
ETV5-regulon	GC	0.0356388091369937		0.00226210982153971
	43871117.5	0.576536883069997		
1.84241600105186e-27		2.61623072149365e-27		100 100
ETV6-regulon	GC	0.433012499339347		-0.0276241123376765

13866055	0.182222213285931	0	0	100	100
ETV7-regulon	GC	0.0778705929255131	0.0143458892999249		
59605777	0.783315557998843	0	0	100	100
FLI1-regulon	GC	0.159046633452398	0.0157192791641869		
51536038.5	0.677266244758077				
1.55016573510439e-139	4.23314489201583e-139		100	100	
FOS-regulon	GC				
0.0797841361618993	-0.00675293351316959		28754384		
0.377878747354858	3.11851696749423e-67				
5.60543556182508e-67	100	100			
FOSB-regulon	GC	0.0230341915448879	-0.0191763210440911		
18223367	0.239484285058858	5.878878605078e-299			
2.87862331696923e-298	98.4518348623853	99.3582691602494			
FOSL1-regulon	GC	0.0418222250845915	-0.0197297842604159		
16123100.5	0.211883412992484		0	0	100
100					
FOX01-regulon	GC	0.0188152923330231	0.00220297738647499		
41168851.5	0.541024771556858		7.1516365139438e-10		
8.90817881561421e-10	61.2385321100917	51.9870737073707			
FOX03-regulon	GC				
0.0119611767983185	-0.00809381700491925		32758855		
0.430503922190766	1.03223683016815e-26		1.4512636622166e-26		
36.6399082568807	47.1649248258159				
GABPA-regulon	GC	0.0282496097041646	0.00287206898819245		
45181869.5	0.593762267687969				
2.29112306117863e-40	3.61488305208184e-40		100	100	
GTF2B-regulon	GC				
0.0715335617338276	-0.00782413489147306		29796650		
0.391575795098623	2.20711713552516e-53				
3.73107896719729e-53	100	100			
HINFP-regulon	GC				
0.0158662528256795	-0.000378854318008524		38255829.5		
0.502742988007707	0.689779540388542		0.694671593866475		
66.0550458715596	63.1211037770444				
HIVEP3-regulon	GC				
0.0730387450278824	-0.00483505492127843		34940301.5		
0.45917162972509	6.96527320569315e-09	8.60059821920372e-09			
99.9426605504587	99.6837183718372				
HOXB2-regulon	GC	0.0157675050048806	-0.0221880024046528		
21609365	0.283981732223299	4.21649534122391e-207			
1.36077804194044e-206	66.6857798165138	84.4105243857719			
IKZF1-regulon	GC	0.150986563683643	0.00740711889942378		
50914473	0.669097876674135	3.74693240979635e-127			
9.33446319633476e-127	100	100			
IRF1-regulon	GC	0.117309638845359	-0.0188575852166362		
18020872.5	0.236823182389913				
4.73575055087827e-305	2.40170206508826e-304		100	100	
IRF2-regulon	GC	0.0681390401587379	-0.0175561412875113		
17423162	0.228968307285622	0	0	100	100
IRF3-regulon	GC	0.141425412897294	-0.0041818425902922		

	31365216.5	0.412189275956456		
1.28903510146845e-35		1.96820413342495e-35	100	100
IRF4-regulon	GC	0.0441279310024704	-0.0148553767713087	
	19056684	0.250435407646269	1.57366940830416e-274	
6.2072515549775e-274		100	99.9954162082875	
IRF5-regulon	GC	0.0153657090960545	-0.0329452798036958	
	18309876.5	0.240621158708952		
1.40916653308716e-298		6.67005492327925e-298	51.6628440366973	
81.6304547121379				
IRF7-regulon	GC			
0.103815340516548		-0.00418001097464955	32824370	
0.431364894421399		2.11061317106083e-22		
2.82742519142111e-22		100	100	
IRF8-regulon	GC	0.122561953452043	0.0424193933843997	
	72479566	0.952497803775026	0	100 100
IRF9-regulon	GC			
0.0289770405781744		-0.00513660287947117	28891691	
0.379683181668702		2.58196248555513e-65		
4.52640336973862e-65		100	100	
JUN-regulon	GC	0.0710369975304691	-0.0180573078648803	
	13898582.5	0.182649676832171	0	0 100
	100			
JUNB-regulon	GC	0.139579320329036	-0.0210107045646251	
	16079728.5	0.211313435314288	0	0 100
	100			
JUND-regulon	GC			
0.0335692510258475		-0.00508383078356053	28332848.5	
0.372339094455126		2.68177377825922e-73		
5.07749168683745e-73		100	100	
KLF11-regulon	GC	0.00668552756174421	-0.0158605513082221	
	28531993	0.374956172748391	2.86753366889015e-88	
5.81699687117715e-88		19.4380733944954	41.714796479648	
KLF12-regulon	GC	0.067881729064028	0.0216647772511426	
	57487256.5	0.755474799080634		
1.38970771237349e-287		6.36575790829146e-287	99.9426605504587	
98.5492299229923				
KLF13-regulon	GC	0.0608757276434215	-0.0056328670596239	
	29136918	0.382905857959649	5.84671975009978e-62	
1.00028217411346e-61		100	100	
KLF2-regulon	GC	0.0977317454750389	-0.0115609603515151	
	26573483.5	0.349218215136689		
1.67915645529628e-101		3.66831102541648e-101	100	100
KLF3-regulon	GC	0.0444731579441697	-0.0286574932935487	
	18935592	0.248844064452317	5.15608538011291e-278	
2.09189749707438e-277		99.8853211009174	99.8624862486249	
KLF4-regulon	GC			
0.0124695455159058		-0.00356735531740527	35444677	
0.465799933156542		2.09562250515756e-07	2.5218508112913e-07	
	46.1009174311927	49.9610377704437		
KLF6-regulon	GC	0.0390902163489567	-0.0315003584735899	

11276527.5	0.148191666572047	0	0	100
100				
KLF7-regulon GC	0.0223224423632007	-0.0246226528301821		
16232429	0.213320164919779	0		
93.2912844036697	97.7264393105977			
KLF8-regulon GC	0.0105421740169446	-0.0151467043947061		
23440303	0.308043195613522	4.26953995044052e-165		
1.18877386855403e-164	58.4862385321101	78.4011734506784		
MAFB-regulon GC				
0.0543811269119016	-0.00145780848187222	36754008.5		
0.483006650125066	0.015925735642407	0.0170034170016677		
100	99.9977081041437			
MAFF-regulon GC				
0.0088726410945011	-0.00365476858386099	36334061.5		
0.477487872664369	6.14999642349561e-05			
7.15819255849489e-05	25.4587155963303	28.6693252658599		
MAFG-regulon GC	0.0132980940131743	-0.0125932737582902		
28917179	0.380018134888795	8.81097722065353e-70		
1.62488151341922e-69	42.6032110091743	59.2409240924092		
MAX-regulon GC				
0.191531426967319	-0.00638415423375158	24929592.5		
0.327614849477111	4.57242246110124e-132			
1.15943569549353e-131	100	100		
MAZ-regulon GC				
0.132871836906671	-0.00356915457644205	34631119		
0.455108475536009	1.91330165667211e-10			
2.40432597564105e-10	100	100		
MEF2A-regulon GC	0.0508738384095479	0.0105240072045157		
52821428.5	0.694158331998146			
5.43098804940968e-167	1.54240060603235e-166	100		
99.9977081041437				
MLX-regulon GC				
0.0512691930654562	-0.00172246671500624	36959296.5		
0.485704463866685	0.042569371050137	0.0451108260382048		
99.9426605504587	99.990832416575			
MXD4-regulon GC				
0.0880158931614854	-0.00431924399267161	43288146.5		
0.568875708647891	1.40378664356283e-22			
1.89845431796117e-22	93.348623853211	88.4144664466447		
MXI1-regulon GC	0.0491511486120662	-0.0167210674000319		
21268385.5	0.279500714430197			
8.95001284185575e-215	2.95558563614771e-214	100	100	
MYBL1-regulon GC	0.0698986534224423	0.0416075981807706		
63330639.5	0.832266228462487	0	0	
98.5091743119266	79.3225155848918			
MYC-regulon GC	0.281127378138613	-0.035103565966519		
24681210	0.324350704852595	4.87415120999705e-137		
1.25841722149015e-136	100	100		
NFATC1-regulon GC				
0.0492651902083437	-0.00130272127290523	37591966.5		

0.494018762899799	0.396140741912029	0.407623082257306
95.4701834862385	94.8019801980198	
NFE2L1-regulon GC	0.121983610070254	-0.0631090935399632
19314099	0.25381825381506	3.39612229436977e-267
1.3033766643257e-266	99.9426605504587	99.9358269160249
NFE2L2-regulon GC	0.0925498187803862	-0.0190634004512732
18787899.5	0.246903148003065	
2.70594975357218e-282	1.20076520314765e-281	100 100
NFKB1-regulon GC	0.0362660761773483	-0.0212182307520452
20743586	0.272604006864754	2.75724956953498e-228
9.32212949699921e-228	99.9426605504587	99.9312431243124
NFKB2-regulon GC	0.0570320587536715	-0.0169978360666368
18810774	0.247203755639325	1.25128852249598e-281
5.38433243013423e-281	100 100	
NFYA-regulon GC		
0.013278126829703	-0.00797686541235505	22096899
0.290388711319526	2.7356662283037e-194	
8.2652043493431e-194	98.3371559633027	99.0442794279428
NFYB-regulon GC	0.11956591776749	0.0113783409282183
57221756.5	0.751985703038003	7.70191972197299e-280
3.21668411917696e-279	100 100	
NFYC-regulon GC	0.0862052532055902	0.00277725668655245
45873442.5	0.60285064666157	3.25158712109038e-48
5.36889966505621e-48	100 100	
NR1H3-regulon GC		
0.00531869479501389	-0.00334422686470237	35921788
0.472069937307186	4.87060886384926e-08	
5.91133725356064e-08	17.3738532110092	22.293270993766
NR2C2-regulon GC		
0.015258495313771	-0.00678858859186915	31704652.5
0.416650009682734	1.09441778126647e-32	
1.65326941425361e-32	72.1903669724771	76.1299046571324
NR3C1-regulon GC	0.243725961601728	0.0189777759608569
61819773	0.812411018194709	0 0 100 100
NRF1-regulon GC		
0.0234880202705743	-0.00337069643379616	31936907.5
0.419702213077768	4.65001518419797e-30	6.7377771036338e-30
100	99.9656215621562	
PAX5-regulon GC	0.124776131609699	0.0254880716764291
65148315.5	0.856153407891439	0 0 100
100		
POU2F1-regulon GC		
0.0021342296622248	-0.00285550070849957	35170720.5
0.462199705133931	1.95348456477282e-15	
2.52177098361583e-15	11.4105504587156	18.6239457279061
POU6F1-regulon GC	0.0319397820480431	
0.000975130763134779	39718970.5	0.521971008621313
0.00145442224301473	0.00162620439770151	69.954128440367
65.1700586725339		
REL-regulon GC	0.255602964282134	-0.008433140559227

	30453162	0.400203416270526	1.69612401446323e-45
2.76838632245723e-45	100	100	
RELA-regulon GC	0.0869690933324948		-0.005299033586577
27551887.5	0.362076013722358		
3.05111504713636e-85	6.01747689851893e-85	100	100
RELB-regulon GC	0.111548962573668		0.00661970837677298
49586423.5	0.651645175149205		
1.20681082979385e-102	2.6776115286051e-102	100	100
REST-regulon GC	0.224852844309542		0.00648356422366794
49049030	0.644582962214417	1.75298904794401e-93	
3.60760064939202e-93	100	100	
RFX5-regulon GC	0.077308384004388		0.0124379550380026
58313026	0.766326735406721	0	0 100 100
RXRA-regulon GC			
0.00912364691034414	-0.00562259292527969		31113216.5
0.408877591577009	5.75200941124751e-40		
8.97566303733128e-40	53.3256880733945	64.7002200220022	
SETDB1-regulon GC			
0.0573766455480963	-0.00243444795160461		36580921
0.480732002624957	0.00626737586964763		0.00679364407244247
96.8463302752293	94.9807480748075		
SOX5-regulon GC			
0.00606612075149156	-0.00180661911843223		36756387
0.483037907431798	0.000996661797063218		0.00112322202526172
19.6674311926606	22.6072607260726		
SP1-regulon GC			
0.00837326244971853	-0.00480530017931637		32258951.5
0.423934388015445	6.52320891165955e-29		
9.35652187328946e-29	51.5481651376147	60.1530986431977	
SP2-regulon GC			
0.0270592292597059	-0.00122813026026597		35091118
0.461153600547364	3.57603323686637e-08		
4.37755792788814e-08	100	100	
SP3-regulon GC			
0.0275500341024207	-0.000748639736558109		35995534
0.473039078085943	0.000130997908561719		
0.000150013733998097	100	100	
SP4-regulon GC			
0.00540573529705937	-0.00336138175758937		35033879.5
0.460401394807868	2.40130596628664e-12		
3.04451292154199e-12	22.3623853211009	29.2812614594793	
SPI1-regulon GC	0.467991529923278		0.0514250436851625
68545448.5	0.900797186823996	0	0 100
100			
SPIB-regulon GC	0.604008599581292		0.0411385142234595
65116690	0.855737798072621	0	0 100 100
SREBF1-regulon GC	0.0419225995978384		0.00103239915981449
40243035	0.528858057107316	4.24437934780482e-05	
4.98100716849822e-05	97.0756880733945	96.8876054272094	
SREBF2-regulon GC	0.103966344873147		0.00518291309871516

	47173615.5	0.619937006243629	6.4871995985388e-65
	1.12339310121038e-64	100 100	
SRF-regulon	GC		
	0.0141404368707139	-0.00689369439766841	25349851
	0.333137720547666	7.24937187364127e-124	
	1.77484621733976e-123	96.4449541284404	97.9945911257792
STAT1-regulon	GC	0.0678051239010194	-0.0124415708381184
	16538407.5	0.217341213407465	0 0 100
	100		
STAT2-regulon	GC		
	0.0607201677559597	-0.00573459259830156	32618217.5
	0.428655719762534	4.47511312868234e-24	
	6.11025061800858e-24	100 99.9610377704437	
STAT5A-regulon	GC		
	0.0620202521970721	-0.00997079793806651	26868057.5
	0.353089390193798	1.8709346251458e-96	
	3.90695171721623e-96	100 100	
TBP-regulon	GC	0.0227505136147737	0.00192316404894683
	39444524	0.518364341212409	0.00533074335600507
	0.00582281197348246	54.1284403669725	49.7158049138247
TCF12-regulon	GC		
	0.00797280747500268	-0.00111371065762323	37450985
	0.492166039759557	0.145143408195045	0.151546793850709
	24.0825688073394	25.2658599193253	
TFDP1-regulon	GC	0.559656024713245	0.0327515074378071
	59094551.5	0.776597234575331	0 0 100
	100		
TFDP2-regulon	GC	0.0274703100328577	
	0.000361032381241379	40435447.5	0.531386666117873
	8.49179408296803e-06	1.00486229981788e-05	100
	99.9954162082875		
TFEC-regulon	GC	0.0735231810797982	-0.0187385702905068
	19734170	0.259338660834738	1.92619346442335e-255
	7.01331979354144e-255	100 100	
THAP1-regulon	GC		
	0.0347717839946424	-0.00248899199339078	31818945
	0.418151996535663	3.63831739610522e-31	
	5.32619660048393e-31	100 100	
THAP11-regulon	GC		
	0.175184342316797	-0.00342500571453272	30507920.5
	0.400923030830415	7.2098408612742e-45	
	1.16340613897834e-44	100 100	
TP53-regulon	GC		
	0.0930149390075797	-0.00555526658363763	33340430.5
	0.438146757503541	1.72016896030467e-18	
	2.24095405837856e-18	100 100	
USF2-regulon	GC	0.131046333739658	0.00599036479465845
	47260186	0.621074681531609	4.07234485916882e-66
	7.22841212502465e-66	100 100	
XBP1-regulon	GC		

0.191696407179173		-0.00373709241651948	39627290
0.520766179733417		0.00322108260062438	0.00354568782394312
100	100		
YBX1-regulon	GC		
0.0921185024409748		-0.00318778000728891	31701459.5
0.41660804853899	2.74216922647727e-32	4.09882137010287e-32	100
100			
YY1-regulon	GC	0.663658470259106	0.0251539140098695
53060580	0.697301166469858	2.24865824638702e-172	
6.51651981606034e-172	100	100	
YY2-regulon	GC		
0.0416518212008376		-0.00972397089254216	32321730
0.42475939824487	1.29179254726822e-26	1.79837785992242e-26	
89.6788990825688	90.5642647598093		
ZBTB33-regulon	GC	0.366070106989523	
0.000253849801196304		38158059	0.501458126747308
0.836132078097772		0.836132078097772	100 100
ZNF143-regulon	GC		
0.0191116921203667		-0.00438768169397612	26440705.5
0.347473299150443		8.0808798599862e-104	
1.82140466685403e-103	100	99.9931243124312	
ZNF274-regulon	GC	0.0523715383925523	-0.0134884115908986
17977665.5		0.23625537307649	2.32831126265795e-306
1.22451925665715e-305	100	100	
ZNF76-regulon	GC	0.0153474322723595	
0.000821915461766664		40031199.5	0.526074198709053
0.000216631306924042		0.000246093164665712	99.2545871559633
99.4682801613495			
ATF1-regulon	GC IgA		
0.100135795771469		-0.00613423125384775	5556944
0.381864936645996		2.32758950938674e-13	
4.13147137916146e-13	100	100	
ATF3-regulon	GC IgA	0.0410165287352449	-0.0100769833102241
4460690	0.306531990289524	3.47819837256313e-33	
1.02896701854992e-32	100	100	
ATF4-regulon	GC IgA	0.0963364360474433	-0.0125042152415343
4647677	0.319381459153818	3.86901532596717e-29	
1.01740773386544e-28	100	100	
ATF5-regulon	GC IgA	0.124502661675215	0.00611273240132641
8294268.5		0.56996980989504	1.42116236592761e-05
1.99806986100714e-05	100	99.9977803919828	
ATF6-regulon	GC IgA	0.131109836839473	-0.0053421356067575
6924907.5		0.475869356208536	0.134409094724549
0.144591601900651	100	100	
ATF6B-regulon	GC IgA		
0.0544749755858022		-0.00284176436170396	4975829.40625
0.341931605029481		1.0558435421776e-22	
2.45786529490524e-22		99.3808049535604	99.9245333274144
BACH1-regulon	GC IgA	0.0240652872605643	-0.0193553256596506
3253184.5		0.223554006121033	

6.36256117120622e-66	3.34623587522697e-65	99.0712074303406
99.5671764366413		
BATF-regulon GC IgA		
0.0117059667080055	-0.00764178310385315	6395442.5
0.439485307947248	6.74828497896301e-05	
9.12625206678806e-05	43.9628482972136	51.7723570017535
BATF3-regulon GC IgA	0.0707905612034447	-0.0124617602861201
5988689	0.41153381167375	4.06542038129556e-08
6.34384279279088e-08	100	100
BCL11A-regulon GC IgA	0.222153854592353	0.0177800868838821
10433830.5	0.716997332141113	
2.63874454428786e-41	8.92146964973516e-41	100 100
BHLHE40-regulon GC IgA	0.0368622365698634	-0.0189236439727088
2726569	0.187365771266714	8.63513643918374e-84
8.75849553117208e-83	100	100
BRF2-regulon GC IgA	0.034056133766371	-0.0076103744762293
5318075.5	0.365450248173479	
7.01525579642386e-17	1.46495047513557e-16	99.6904024767802
99.7292078218987		
CEBPB-regulon GC IgA	0.123358536079352	-0.0198749610214533
2810390	0.193125825867697	8.43821439336232e-81
7.48891527410906e-80	100	100
CEBPG-regulon GC IgA		
0.0600021057616057	-0.00811640297443093	6169895
0.423986018805921	2.41099989770917e-06	
3.49348964770105e-06	100	100
CLOCK-regulon GC IgA		
0.00717636787717903	-0.00847871333515244	5699296.5
0.391647188976396	8.48773181429921e-13	
1.46982672881767e-12	34.3653250773994	51.213015781413
CREB1-regulon GC IgA	0.0480688154354793	0.00513416558490427
8793749	0.604293367859348	9.81176366046844e-11
1.62008190672851e-10	100	99.9933411759483
CREB3-regulon GC IgA		
0.236684963792564	-0.00313738255889021	7656119.5
0.526117158607623	0.105195265861387	0.115796339165247
100	100	
CREB3L2-regulon GC IgA		
0.118933952915572	-0.00789948081357236	5702213
0.391847606523833	1.95671254734562e-11	
3.26886096144798e-11	100	100
CREB3L4-regulon GC IgA		
0.00627149133004565	-0.00486448011499175	6525156.5
0.44839906133258	9.93788830132178e-05	0.000131885994279224
22.2910216718266	31.4118926597563	
CREB5-regulon GC IgA	0.0275188572481153	-0.01173901733723
5005104.5	0.343943345982808	
3.63316122305572e-22	8.32111118828892e-22	99.6904024767802
99.6226666370719		
CREM-regulon GC IgA	0.162280976724702	0.0123694682822461

	10432777.5	0.716924971545381		
2.80400703710508e-41		9.25974416904467e-41	100	100
CTCF-regulon	GC IgA	0.387448212458509	0.0167270287809396	
	10845138.5	0.745261806888742		
2.82160640789272e-52		1.29247777393795e-51	100	100
CUX1-regulon	GC IgA	0.108018178887492	0.0315446577240111	
	13381438.5	0.919552575126688		
2.45810299044538e-149		1.74525312321622e-147	100	100
DDIT3-regulon	GC IgA	0.0736679828750185	-0.0113207286897759	
	5034012.5	0.345929860798967	1.2038112884162e-21	
	2.71335242785874e-21	100	100	
E2F1-regulon	GC IgA	0.491479255011999	0.0541699241517675	
	12144147	0.834527741286338	1.16666683748652e-95	
1.84074101025651e-94		100	100	
E2F2-regulon	GC IgA			
	0.0536721320480051	-0.000250643974104597	7942528	
	0.545798725257813	0.00449559980119561	0.00545619804931433	
	100	100		
E2F3-regulon	GC IgA			
	0.0165451776716999	-0.00460288943327068	4778855.5	
	0.328395850803584	1.83119670505551e-26	4.6433916449622e-26	
	100	100		
E2F4-regulon	GC IgA			
	0.391299837939386	-0.00741043348237092	7404843.5	
	0.508849845166879	0.583007623822376	0.599906395527372	
	100	100		
E2F6-regulon	GC IgA			
	5555012	0.0597966421358273	-0.0126949436464749	
	3.934312694981e-13	0.38173217247605	2.18880776692605e-13	
		100	100	
E2F7-regulon	GC IgA			
	5999904.5	0.0276471857247401	-0.0029478250236128	
		0.412304524172734		
5.32282300062461e-08		8.2156615879206e-08	100	100
E2F8-regulon	GC IgA			
	9658261.5	0.078508550662298	0.0037385519908902	
		0.663701382595896		
3.14193299829536e-24		7.56194043657527e-24	100	100
EGR1-regulon	GC IgA			
	0.000747508940104759	0.0482051960873074	7647366.5	
	0.113453655165198	0.525515665450509	0.12392630025737	
		100	100	
EGR2-regulon	GC IgA			
	0.0399018396533873	-0.00619013229070625	5827896.5	
	0.400484389936613	6.68217764433554e-10		
1.07826048351778e-09		100	99.9955607839656	
EGR3-regulon	GC IgA			
	0.0322128652744241	-0.00932465328825514	4744846.5	
	0.326058802845139	3.82051924611579e-27		
9.86388605360804e-27		100	99.9955607839656	
ELF1-regulon	GC IgA			
	13097858.5	0.770984716390965	0.064398484043461	
		0.900065378794662		
5.73178446156821e-136		1.62782678708537e-134	100	100
ELF2-regulon	GC IgA			
		0.0194686597756224	-0.0132819471382277	

	4034612	0.277252543083244	1.9821196643735e-43
7.03652480852594e-43		98.7616099071207	99.5405411404346
ELF4-regulon	GC IgA		
0.0171788468608671		-0.00127734757632158	6910595
0.474885822470253		0.11924362729399	0.129256450959898
99.0712074303406	98.3308547710474		
ELK1-regulon	GC IgA	0.0675934245089185	0.00154948286604377
	7834174.5	0.538352833700714	0.0173497441356447
	0.0203608567542277	100	100
ELK3-regulon	GC IgA	0.0717174936579628	0.00686087533464415
	9037854.5	0.621067935192119	5.8932930844467e-14
	1.07288156152748e-13	100	100
ELK4-regulon	GC IgA		
0.0404884939621782		-0.00454086261189238	6522096
0.448188748319059		0.00130827457477948	0.00164402645680253
	95.9752321981424	96.7349566066633	
ESRRA-regulon	GC IgA		
0.0828150957820609		-0.00898458466976501	6329647
0.434963938928757		5.47184003459783e-05	7.5437017952708e-05
	100	100	
ETS1-regulon	GC IgA	0.300785151086187	0.0582608635949304
	13245922.5	0.910240116920429	
7.2069833713152e-143		3.41130546242253e-141	100
ETV2-regulon	GC IgA	0.0230756396034937	-0.0055660066705919
	4930883.5	0.338842989120691	
1.56526475790503e-23		3.7044599270419e-23	100
ETV3-regulon	GC IgA		
0.0081859634150173		-0.00326634294757168	5977101.5
0.410737535887385		2.88906501583035e-08	
4.55830258053233e-08		78.328173374613	84.3917164228797
ETV5-regulon	GC IgA	0.0373616218253227	0.00392592556054069
	9144809.5	0.628417723906738	
1.63397440744649e-15		3.26794881489298e-15	100
ETV6-regulon	GC IgA	0.430585627797673	-0.0291971010275124
	2612440.5	0.179523030288579	
5.97413645457018e-88		7.06939480457472e-87	100
ETV7-regulon	GC IgA	0.0799291142880545	0.0159666905040952
	11769813.5	0.8088040992518	8.52330788495905e-82
8.0687314644279e-81		100	100
FLI1-regulon	GC IgA	0.159988440807136	0.016172042683515
	9954865.5	0.684083568860315	
3.33776086916132e-30		9.29337340040994e-30	100
FOS-regulon	GC IgA		
0.0821165973907679		-0.00419075831410726	6231950
0.428250346221056		8.54800710195376e-06	
1.21381700847743e-05		100	100
FOSB-regulon	GC IgA	0.0237829829896494	-0.0178173280180739
	3754382	0.257995553774677	6.06156766735582e-51
2.60831093565008e-50		98.1424148606811	99.3318979868155
FOSL1-regulon	GC IgA	0.0439935203852778	-0.0169206323948799

3882830.5		0.266822343879953			
2.01187136322617e-47		8.16244953080333e-47	100	100	
FOX01-regulon	GC IgA	0.0195965682957369		0.00292037128295072	
7975340.5		0.5480535515137	0.0015954995909253		
0.00198737668343326		60.9907120743034	52.2806472376978		
FOX03-regulon	GC IgA				
0.0102824980517333		-0.00952924667311141	6175780		
0.424390427263548		3.5769627961103e-07			
5.40349698986875e-07		37.1517027863777	46.8292899473953		
GABPA-regulon	GC IgA	0.0264580688118478			
0.000977097075955991		7698359	0.529019794299373		
0.071823226267901		0.0809436359527139	100	100	
GTF2B-regulon	GC IgA				
0.0725707404429984		-0.00653274215873349	5910761		
0.40617871527851	5.87811643319789e-09	9.37856779229327e-09		100	
100					
HINFP-regulon	GC IgA	0.0139786374352648		-0.002268053349584	
6807277.5		0.467785997352001		0.0403664627105097	
0.0462261105233257		59.4427244582043	63.2610480989057		
HIVEP3-regulon	GC IgA	0.0819425270585242		0.00428506197361292	
7894466.5		0.542496010374846		0.00838322991296524	
0.00992015539700886		100	99.6914744856059		
HOXB2-regulon	GC IgA	0.0162596636349412		-0.0209924917524289	
4310486	0.296210194542802	8.73929068652577e-37			
2.75773172774813e-36		67.4922600619195	83.8456928506426		
IKZF1-regulon	GC IgA	0.14802271668237	0.00418839789336758		
8757405	0.601795862169626	2.70352633879491e-10			
4.41265218515952e-10		100	100		
IRF1-regulon	GC IgA	0.114921733341629		-0.0206678302956414	
3092574	0.212517091153529	3.85137306211543e-71			
2.4858862491836e-70		100	100		
IRF2-regulon	GC IgA	0.0655571191794102		-0.0196028411651758	
2960597.5		0.20344786212922	1.39946335582696e-75		
9.93618982637142e-75		100	100		
IRF3-regulon	GC IgA	0.145846453974942		0.00040279235655219	
7471925	0.513459586194973	0.403739383833419			
0.421551415473128		100	100		
IRF4-regulon	GC IgA	0.0449401861577442		-0.0135687503464816	
3975200	0.273169838701841	5.69491601499359e-45			
2.12810019507655e-44		100	99.9955607839656		
IRF5-regulon	GC IgA	0.0129192892802467		-0.0343701239419562	
3254817	0.223666189095897	2.37548999760196e-66			
1.2973829986903e-65		44.2724458204334	80.7382416265287		
IRF7-regulon	GC IgA				
0.104020416848523		-0.00384162420274352	6344060.5		
0.435954413237	7.09559711754922e-05	9.50542255369801e-05		100	
100					
IRF8-regulon	GC IgA	0.12449778849456	0.0430311726863328		
13810728	0.949052711842172	8.88010946495592e-171			
1.26097554402374e-168		100	100		

IRF9-regulon	GC IgA			
0.026529893324485		-0.00743928285842231		4598924.5
0.316031259777356		3.62274531199296e-30		
9.89288142890385e-30		100	100	
JUN-regulon	GC IgA			
2624746	0.180368645968329	0.0701125621287226		-0.0184188319878833
1.85391240104141e-86		100	100	1.69724374743228e-87
JUNB-regulon	GC IgA			
3069633	0.210940619713184	0.13856970194258		-0.0213648703852694
4.50605378207676e-71		100	100	6.66388235377548e-72
JUND-regulon	GC IgA			
0.0325950458223893		-0.00590467316406083		5087310.5
0.34959242018293	1.05360565433921e-20			2.33768754556512e-20
100				100
KLF11-regulon	GC IgA			
5650467.5		0.00710624974898678		-0.0149365610439267
7.18467512444376e-15		0.388291732633577		
40.993940470113		1.39756694201509e-14		21.9814241486068
KLF12-regulon	GC IgA			
11605196.5		0.0729699454331223		0.0261061520206395
3.5598067011796e-75		0.797491863556091		4.7631216424234e-76
		100		98.5927685170799
KLF13-regulon	GC IgA			
0.0605386955053201		-0.00579465131831392		5464494
0.375511909983694		1.13980480659313e-14		
2.15803043381633e-14		100	100	
KLF2-regulon	GC IgA			
4801901.5		0.0957844760879672		-0.0131575503909856
5.23364960196363e-26		0.329979537687948		
KLF3-regulon	GC IgA			
3135947	0.215497619281426	1.30382147978743e-25		100
6.12100551785786e-69		0.0402944070883117		100
KLF4-regulon	GC IgA			
7020362.5		0.0402944070883117		-0.0319623276190161
0.256152555025911		99.6904024767802		99.8646039109493
		1.0345361438633e-69		
KLF6-regulon	GC IgA			
2228309	0.153126084249311	0.0137113419221679		-0.0022041394241999
1.86368917770685e-101		0.482428882006806		0.243525316397873
KLF7-regulon	GC IgA			
3173472	0.21807628153673	0.256152555025911		49.8146627305618
9.83150929081091e-68		49.5356037151703		49.8146627305618
KLF8-regulon	GC IgA			
4407818.5		0.0384202987894396		-0.0311815377466611
2.87137328510714e-34		0.0384202987894396		-0.0311815377466611
MAFB-regulon	GC IgA			
0.0531164210985506		1.04996573391935e-102		
0.455716655423172		100	100	
100		99.9977803919828		
MAFF-regulon	GC IgA			
0.00655271103008841		0.0221441262952655		-0.0240256333248648
0.455641717883148		0.0221441262952655		-0.0240256333248648
		93.4984520123839		97.5850664772601
		0.00966833877050595		-0.0155490678599032
		0.30289873935198		9.50384115493208e-35
		59.4427244582043		77.7661864914656
		-0.00268560119565091		6631643
		0.00601229491942056		0.00717433511393042
		100		
		99.9977803919828		
		-0.00587605729815579		6630552.5
		0.000554945948495646		

0.000722957107214511		21.3622291021672	28.5974296939161
MAFG-regulon	GC IgA	0.0140465218844671	-0.0114422803705399
5700392	0.391722470108992		3.19777524388943e-12
5.40576291228927e-12		44.5820433436532	58.7019732315273
MAX-regulon	GC IgA	0.19038869429279	-0.00733371929430823
4491268.5	0.308633299384097		1.66643908339937e-32
4.82927244576961e-32	100	100	
MAZ-regulon	GC IgA		
0.133267671063713		-0.00305790916852136	6770695.5
0.465272136655837	100	0.0312138127565604	0.036035458629525
100	100		
MEF2A-regulon	GC IgA	0.0469204539363036	0.00621034578140185
9095474.5		0.6250274959956	8.76071859455959e-15
1.68111086544252e-14	100	99.9977803919828	
MLX-regulon	GC IgA		
0.0518128588163732		-0.00112057555757757	7235289.5
0.497198346165256	100	0.862024136639712	0.868137782998859
100	99.9889019599139		
MXD4-regulon	GC IgA		
0.0852596499386107		-0.00695901596718113	8030050
0.551813107080831	96.5944272445821	0.00129719967792836	0.00164402645680253
88.5468226311233			
MXI1-regulon	GC IgA	0.0469620754834901	-0.0183984417259775
3725063	0.255980795649074		9.13569123799129e-52
4.05396298685864e-51	100	100	
MYBL1-regulon	GC IgA	0.0741742447121461	0.0446015127557539
12397419.5		0.851932251241211	
1.70674078738332e-106	79.9236454842075	4.03928653014051e-105	99.0712074303406
0.284430362324914			
MYC-regulon	GC IgA	0.284430362324914	-0.0306697130005455
5145810.5		0.353612453279141	
1.07453599603886e-19	2.31188047632603e-19		100
100	100		
NFATC1-regulon	GC IgA		
0.0442165836321719		-0.00634643434576557	6504920
0.447008439114606	94.7368421052632	0.00101063238641603	0.0012928810709106
94.8283133198677			
NFE2L1-regulon	GC IgA	0.129402710323609	-0.0536463027154565
4316960	0.296655078205449		1.75728688563568e-36
5.42466821217971e-36	100	99.9356313675005	
NFE2L2-regulon	GC IgA	0.0938504541778775	-0.0171521687055998
3999926.5		0.274869007049764	
2.51461821546433e-44	9.15578939989578e-44		100
100	100		
NFKB1-regulon	GC IgA	0.0374295725974377	-0.0193771564738256
4259341.5		0.292695620479739	
7.54812908206207e-38	2.4359871128473e-37		100
99.931192151466			
NFKB2-regulon	GC IgA	0.0563362645706944	-0.0171624961735348
3604406	0.247689425849253		3.21684031122775e-55
1.52263774731447e-54	100	100	
NFYA-regulon	GC IgA		

0.0122178399491299	-0.00879315848366938	3945122
0.271102923223759	9.21302864584712e-46	
3.63402796586192e-45	95.6656346749226	99.0411293365592
NFYB-regulon GC IgA	0.120262559311752	0.0117210968879422
11115500.5	0.763840681896568	
3.27316386513815e-60	1.60272161672282e-59	100 100
NFYC-regulon GC IgA	0.0872283734736143	0.00372011562003682
9155761.5	0.629170329077161	
1.11887169193193e-15	2.26971114649048e-15	100 100
NR1H3-regulon GC IgA		
0.0053520384019669	-0.00320516518437383	6739110.5
0.463101662376455	0.00162125209576149	0.00200189389215767
14.8606811145511	22.1561272279315	
NR2C2-regulon GC IgA		
0.015373046339851	-0.00645909995074758	6114032
0.420147196432355	6.08973405863564e-07	9.1025498560659e-07
70.5882352941177	76.017135373893	
NR3C1-regulon GC IgA	0.246401581081594	0.0210740068417757
12138806	0.834160715700579	1.87288814984142e-95
2.65950117277481e-94	100 100	
NRF1-regulon GC IgA		
0.0236628013905351	-0.00308834836082069	6134604
0.421560873711932	1.1390322209627e-06	
1.66744923068766e-06	99.6904024767802	99.9689254877589
PAX5-regulon GC IgA	0.123760512560315	0.0236612614787281
12097756	0.831339820681785	6.99766400427904e-94
9.03334807825112e-93	100 100	
POU2F1-regulon GC IgA		
0.00196802226487165	-0.00293283541108361	6643352
0.456521280509045	6.44298640434614e-05	
8.79715451362646e-05	9.90712074303406	18.4072092868399
POU6F1-regulon GC IgA		
0.0303129552674957	-0.000694115520320962	7379712
0.507122845820598	0.651739070441125	0.665805381313955
68.7306501547988	65.3297227709587	
REL-regulon GC IgA		
0.254241904281009	-0.00953797188847061	5473877.5
0.376156730164177	1.55893482411366e-14	
2.91274664505447e-14	100 100	
RELA-regulon GC IgA		
0.0850365156993805	-0.00707833165670926	4581605.5
0.314841123825334	1.5458480439719e-30	
4.39020844488018e-30	100 100	
RELB-regulon GC IgA	0.110450480887947	0.00530456153694712
9066411.5	0.6230303298097	2.30838387224383e-14
4.25701960855355e-14	100 100	
REST-regulon GC IgA	0.223863022236646	0.00528215008606181
8957952.5	0.615577188449325	
7.51000880389453e-13	1.31656944463336e-12	100 100
RFX5-regulon GC IgA	0.0804406251778126	0.0152003513573668

	11621669.5	0.798623863644875		
1.29587433153977e-76		1.08243620634498e-75	100	100
RXRA-regulon	GC IgA	0.00738170211854422	-0.007199686178246	
	5469125.5	0.375830179783439		
3.14801205772017e-15		6.20857933605923e-15	46.4396284829721	
64.3908285796728				
SETDB1-regulon	GC IgA	0.0585361836629925	-0.0011898126988854	
	7239917	0.497516341090944	0.877545977692294	
0.877545977692294		97.2136222910217	95.0369564734868	
SOX5-regulon	GC IgA			
0.00601723402917066		-0.00179887442095905	7054255	
0.484757924258316		0.195864626678777	0.207558037226763	
	19.8142414860681	22.5134841187046		
SP1-regulon	GC IgA			
0.00800688203454129		-0.00502274510338967	6162171.5	
0.423455271359449		9.09171532576818e-07		
1.34481622526988e-06		52.3219814241486	59.8761458726389	
SP2-regulon	GC IgA			
0.0272949305833515		-0.000952003113093052	6745261	
0.463524315599673		0.0236503549152862	0.0275274622784479	
	100	100		
SP3-regulon	GC IgA	0.0264793771005087	-0.0018033600671268	
	6298145.5	0.432799202645333		
3.06220400649167e-05		4.26306832276291e-05	100	100
SP4-regulon	GC IgA	0.00525463227449797	-0.0034075479901202	
	6744428.5	0.463467107436381	0.00468740369981878	
	0.00564077394384972	22.9102167182663	29.0591081614987	
SPI1-regulon	GC IgA	0.471237213206883	0.0530720180842084	
	13178477	0.90560536235307	1.05312580125262e-139	
3.73859659444679e-138		100	100	
SPIB-regulon	GC IgA	0.604757804325571	0.0405955556139305	
	12384402.5	0.851037742338418		
3.86920840413366e-105		7.848965619814e-104	100	100
SREBF1-regulon	GC IgA	0.0420404387538209	0.00111852062421793	
	7721010	0.530576337370523	0.0578509424570826	
0.0657186706312459		96.9040247678019	96.8947683839034	
SREBF2-regulon	GC IgA	0.109627789852606	0.0107214745235847	
	10689207	0.734546425850421	5.83568067469486e-48	
2.43725487001962e-47		100	100	
SRF-regulon	GC IgA			
0.0139251166671818		-0.00689312683982291	4838683.5	
0.332507142087005		2.74081470278316e-25		
6.71027047922775e-25		96.9040247678019	97.9424233680332	
STAT1-regulon	GC IgA	0.066557520402032	-0.0133057038416718	
	2932558	0.201521029342874	1.53133456106208e-76	
1.20805282039342e-75		100	100	
STAT2-regulon	GC IgA			
0.0603999186929685		-0.00587626497084281	6221297	
0.427518287886458		6.91164265574093e-06		
9.91366926379001e-06		100	99.9622666637072	

STAT5A-regulon	GC IgA		
0.0618464086384306		-0.00983140259140643	5141882.5
0.353342526954322		9.21166496923115e-20	2.0123945009705e-19
100	100		
TBP-regulon	GC IgA		
7572577		0.0224453829016061	0.00155518794626231
0.188318548938752		0.520376242112918	0.176382866259535
		54.7987616099071	49.8501764588374
TCF12-regulon	GC IgA		
0.00643147081377833		-0.00263097054032213	6974836
0.479300368558009		0.0922892431436646	0.102383379112503
21.9814241486068		25.2436019798904	
TFDP1-regulon	GC IgA		
11416632		0.562142221709896	0.0342225256352835
6.12100551785786e-69		0.784533991235228	9.99242092389966e-70
100	100		
TFDP2-regulon	GC IgA		
0.0260961290974675		-0.00103438770483516	7143430.5
0.490885932145002		0.571809974210361	0.592678951371323
100		99.9955607839656	
TFEC-regulon	GC IgA		
4084548		0.0744439044212331	-0.0172202196651597
1.29109716026958e-41		0.280684070821576	3.72781574444034e-42
100	100		
THAP1-regulon	GC IgA		
0.0346587533118928		-0.00252432865549623	6022768
0.413875669928208		9.15675416397506e-08	
1.39812805514458e-07		100	100
THAP11-regulon	GC IgA		
0.173434054545058		-0.00507981504598848	5206232
0.357764529000897		1.10880719187932e-18	
2.35000927234124e-18		100	100
TP53-regulon	GC IgA		
0.0936956182575227		-0.00469449070942808	6585365
0.452536500010754		0.00323592150499357	0.00396121425611282
100	100		
USF2-regulon	GC IgA		
10590553		0.136351818089212	0.0111449460538902
9.59154905558105e-45		0.727767069524377	2.49920644405985e-45
100	100		
XBP1-regulon	GC IgA		
0.193165229511701		-0.00213986935735175	8054300.5
0.553479565415868		0.000907958454447972	0.00117209182301466
100	100		
YBX1-regulon	GC IgA		
0.0936468194262508		-0.00154796141775562	6859924
0.47140378662379		0.0760697410220217	0.0850543561033629
100			100
YY1-regulon	GC IgA		
9930365.5		0.662646057621229	0.0233408727548067
1.10406553201068e-29		0.682399965255919	
YY2-regulon	GC IgA		
5358136		2.95806236878334e-29	100
5.86702772788519e-16		0.0352918752780998	-0.0158228132238375
		0.36820314622221	2.8508796705921e-16
		85.4489164086687	90.5666659267973

ZBTB33-regulon	GC IgA	0.361735389694494	-0.00411995111210073	6407533.5
		0.440316183505646	0.000213505756810976	
		0.000280720532103321	100 100	
ZNF143-regulon	GC IgA	5603625.5	0.0201490219186016	-0.0032045246875205
		1.00741285696981e-12	0.385072819979001	
		99.9933411759483	1.72352561071943e-12	100
ZNF274-regulon	GC IgA	3253923	0.0514454344320656	-0.0139957221016388
		3.40633874988935e-65	0.223604754743965	6.71672429555646e-66
			100 100	
ZNF76-regulon	GC IgA	8.96647568768491e-05	0.0146461331464729	
		0.84819733795579	7231156 0.496914298185714	
			0.86031444278373 99.3808049535604	99.4606352518145
ATF1-regulon	GC LM02	14516251.5	0.09760007663517	-0.00882405627287154
		5.32910942971389e-84	0.321774618340929	2.10162062016886e-84
			100 100	
ATF3-regulon	GC LM02	13113657	0.0403738713268834	-0.010892029839206
		3.6125359864609e-115	0.290683994847351	1.09393695364661e-115
			100 100	
ATF4-regulon	GC LM02	12888928.5	0.0942282176687774	-0.0148563972683602
		3.64825249621825e-121	0.285702548547813	
			1.26354110844632e-120	100 100
ATF5-regulon	GC LM02	24453496	0.121242399138479	0.00287335737978862
		5.17559282242956e-06	0.54204863717754 4.37374041332076e-06	
			100 99.997745666043	
ATF6-regulon	GC LM02	0.000758244441396189	0.137155195634148	
		9.30756673365628e-15	25756841.5 0.570939256827446	
			1.30858859027643e-14	100 100
ATF6B-regulon	GC LM02	0.0535259697213253	-0.00385698730571815	14973569.2128906
		0.331911755502401	2.70111259799466e-75	
		6.39263314858736e-75	99.4100294985251 99.932369981289	
BACH1-regulon	GC LM02	10678134.5	0.025210522798456	-0.0184866493648834
		6.90818006456673e-182	0.236696963629392	
		99.585202551906	3.63319099692028e-181	98.6234021632252
BATF-regulon	GC LM02	21551425	0.0147608567876183	-0.004636411143745
		0.0109422449750379	0.477719854473322	0.00978637402697048
			50.4424778761062 51.7459816497216	
BATF3-regulon	GC LM02	18749305	0.0710043440516161	-0.0124380413366384
		4.67605227461564e-20	0.415606636502038	3.0295549948214e-20
			100 100	
BCL11A-regulon	GC LM02	29935401.5	0.218541786699304	0.0143633774806592
		2.19792405786322e-71	0.663563344334793	
			4.95405105105679e-71	100 100
BHLHE40-regulon	GC LM02	9081987.5	0.0381100356105423	-0.0179432990516605
		1.87872190260892e-233	0.201315956918326	
			1.48210283428037e-232	100 100
BRF2-regulon	GC LM02			

0.0350785166720309	-0.00668361673054707	17386457	
0.385397054155197	5.98430125553259e-36		
1.04909972627855e-35	99.9016715830875	99.724971257242	
CEBPB-regulon GC LM02	0.123311337620291	-0.0202341868882947	
8428561.5	0.186831783661612		
1.97187995509168e-256	1.75004346014386e-255	100	100
CEBPG-regulon GC LM02			
0.0583759993849718	-0.00990677215792012	17771890	
0.393940758187261	4.94567527310983e-31		
8.16611498583251e-31	100	100	
CLOCK-regulon GC LM02			
0.00752047646213164	-0.00825936564705727	17932686	
0.397505044155353	1.00599473422823e-32		
1.70061014595724e-32	36.3815142576205	51.4303748957371	
CREB1-regulon GC LM02	0.0491254991903914	0.00629539989989825	
28134078	0.623634290906569	1.48075486737506e-41	
2.76667356799024e-41	100	99.9932369981289	
CREB3-regulon GC LM02	0.243685590050746	0.00397465949786044	
27709848	0.614230592827986	9.98049376684667e-36	
1.72832940840516e-35	100	100	
CREB3L2-regulon GC LM02			
0.125581585859321	-0.00122302839645405	23382670.5	
0.518312174181412	0.0454834892604822	0.048929208143852	
100	100		
CREB3L4-regulon GC LM02			
0.00666997204126869	-0.00453296877450498	20652709.5	
0.457798469327193	2.08755866109067e-08		
2.69484845340796e-08	24.4837758112094	31.5043170495277	
CREB5-regulon GC LM02	0.0277177058066056	-0.011719267699997	
15537458.5	0.344411212414274		
9.05588105631814e-65	1.91930613432414e-64	99.6066863323501	
99.6235262291756			
CREM-regulon GC LM02	0.172059741708094	0.0225659481594807	
38500686	0.853425799595297	0	100
		0	100
CTCF-regulon GC LM02	0.381635388443419	0.0110426322766279	
30845495	0.6837369400194	1.38415269399917e-89	
3.70848457637514e-89	100	100	
CUX1-regulon GC LM02	0.105858953748294	0.0298294475647242	
41116126.5	0.911400984764892	0	100
100		0	
DDIT3-regulon GC LM02			
0.0752821300272596	-0.00984668834915983	16661972.5	
0.369337762024483	3.28714647150106e-46		
6.39417532812534e-46	100	100	
E2F1-regulon GC LM02	0.477401836735614	0.0406172515408446	
35719628	0.791779452634859	7.0096820500685e-223	
4.97687425554864e-222	100	100	
E2F2-regulon GC LM02			
0.0524307200706666	-0.00152443862235499	22955752.5	
0.508848892526856	0.3337822417862	0.343457089374206	100

100

E2F3-regulon	GC LM02			
0.0164825310922512		-0.00473898484695796		14450314.5
0.320313025242356		9.20056096090556e-86		
2.37541755717926e-85		100	100	
E2F4-regulon	GC LM02	0.38722422961289	-0.0116954183616473	
21184845	0.469594055633903		0.000896622529256829	
0.00101856319323576		100	100	
E2F6-regulon	GC LM02	0.0603115461522054		-0.0123668480231173
17815903.5		0.394916383827555		
1.70544756873486e-30		2.78360407770517e-30	100	100
E2F7-regulon	GC LM02			
0.0270569308818937		-0.00359773134060343		17638471
0.390983324733836		1.0830049346452e-32		
1.80925530258374e-32		100	100	
E2F8-regulon	GC LM02	0.0749746308186783		
0.000182101400425766		26169019.5	0.58007580414054	
2.20424584791031e-18		3.36562269250821e-18	100	100
EGR1-regulon	GC LM02	0.0555117417286169		0.00823326349328438
32757530.5		0.726120091983032		
1.12146773032043e-134		4.30401128933788e-134	100	100
EGR2-regulon	GC LM02	0.0496014366963987		0.00363499820398333
25084359	0.556032667493522		9.34605346011766e-10	
1.24031737508103e-09		100	99.9954913320859	
EGR3-regulon	GC LM02			
0.0410635963167681		-0.000416890209841432		22058672.5
0.488963760706064		0.228034381034781		0.236356803700284
100	99.9954913320859			
ELF1-regulon	GC LM02	0.766876008659559		0.0612030969947427
40339737.5		0.894191151072007	0	0 100
100				
ELF2-regulon	GC LM02	0.0200753787335096		-0.0128691152863113
12768375	0.283030298314882		3.72514876576632e-124	
1.35633621727902e-123		99.4100294985251	99.5378615388084	
ELF4-regulon	GC LM02			
0.0176760070891273		-0.000788773368166192		21764391
0.482440567211703		0.0551184479503139		0.0584091015592879
99.3117010816126		98.3137582001398		
ELK1-regulon	GC LM02	0.0675035113923368		0.00148175012930545
24175936.5		0.535896112045319		
8.82663985869917e-05		0.000102736299994695	100	100
ELK3-regulon	GC LM02	0.0745176153229987		0.00983253313024177
29945822.5		0.663794341524235		
1.39798611591625e-71		3.20183916871142e-71	100	100
ELK4-regulon	GC LM02			
0.0400061295636517		-0.00510532812284149		20259097.5
0.449073465418683		2.65825304025298e-08		
3.40064803347678e-08		96.5585054080629	96.73347009626	
ESRRA-regulon	GC LM02			
0.0823186297229144		-0.00963299752083575		18977347.5

0.420661542612132		4.48423024756698e-18		
6.70274415952117e-18		100	100	
ETS1-regulon	GC LM02	0.297727807069742		0.0560449208830714
40772106.5		0.903775262366679		0 0 100
100				
ETV2-regulon	GC LM02			
0.0246069232276469		-0.00408669656215426		17228548.5
0.381896773981608		4.50771600455564e-38		
8.10247686894812e-38		100	100	
ETV3-regulon	GC LM02	0.00875300954207445		-0.0027373985832774
19068922.5		0.422691440666362		
2.66687288341854e-17		3.94474947338992e-17		81.2192723697148
84.4202980229491				
ETV5-regulon	GC LM02	0.0426388994108642		0.00938561446381948
35110323		0.778273287918147		6.48551244094894e-203
4.00409898528152e-202		100	100	
ETV6-regulon	GC LM02	0.425738680585403		-0.0346119630581505
6619872.5		0.146739462811946		0 0 100
100				
ETV7-regulon	GC LM02	0.0884900196600399		0.0249736682395954
40311900		0.893574090879982	0	0 100 100
FLI1-regulon	GC LM02	0.164097687322568		0.0206285130166297
33464205.5		0.741784609673159		
1.07867100007607e-153		4.94100909712264e-153		100 100
FOS-regulon	GC LM02	0.0900314691191925		0.00384000958595826
26613313.5		0.589924251054067		
9.05104618297207e-23		1.4440995033506e-22		100 100
FOSB-regulon	GC LM02	0.0277556745446962		-0.0140323097273716
14098477		0.312514016160671		3.36499287697998e-93
9.18901901021455e-93		98.4267453294002	99.3439888185036	
FOSL1-regulon	GC LM02	0.0459530249152167		-0.0151809277426456
13450060		0.29814087494713	9.94762340718154e-108	
3.13902783071062e-107		100	100	
FOX01-regulon	GC LM02	0.0193484463409232		0.00271225017672072
24473406.5		0.542489983453366		
8.89715072173965e-07		1.08913396766123e-06		60.7669616519174
52.1495074280304				
FOX03-regulon	GC LM02			
0.0174207971073357		-0.00237637666351076		22276683
0.493796292398685		0.462123811813039		0.468725580553225
47.6892822025565		46.7391059311526		
GABPA-regulon	GC LM02	0.0260190897046156		
0.000543340440345257		23521222.5	0.521383388325117	
0.0195115580682405		0.0214778391138772		100 100
GTF2B-regulon	GC LM02			
0.0758660885937696		-0.00326404821542468		20604551
0.456730963507432		2.28893812165105e-06		
2.75448485825804e-06		100	100	
HINFP-regulon	GC LM02			
0.0147581964078022		-0.00150610562954419		21905162.5

0.485560979921953 0.10570087988112 0.111181666245327
62.8318584070796 63.2430848305868
HIVEP3-regulon GC LM02 0.104374429458476 0.0272982912238191
 33447571.5 0.741415891963805
3.12669466169722e-153 1.38747075612814e-152 100
99.6866475799725
HOXB2-regulon GC LM02 0.0187647837163147 -0.0187583670080429
 14659571 0.324951511315903 7.82422633283157e-82
1.91558644700359e-81 72.5663716814159 83.9852115692419
IKZF1-regulon GC LM02 0.14889839568131 0.00514092874848859
 28033904 0.621413783042146 3.87171818925061e-40
7.04851260094341e-40 100 100
IRF1-regulon GC LM02 0.121171271664457 -0.0145983612654226
 13327908 0.295433191549692 1.38375373292103e-110
4.46575068351787e-110 100 100
IRF2-regulon GC LM02 0.0698413716668099 -0.0155270534084722
 11803302.5 0.261638010136434
1.97862771614786e-149 8.51409502099987e-149 100 100
IRF3-regulon GC LM02 0.148797513768423 0.00342781156538072
 26164652 0.579978991912837 2.4205539247643e-18
3.65658146081416e-18 100 100
IRF4-regulon GC LM02
0.0508071480101109 -0.00777956329824939 17065710.5
0.378287224002304 2.50335805059379e-40
4.61658237901712e-40 100 99.9954913320859
IRF5-regulon GC LM02 0.0127830655996316 -0.0350471940235024
 9924465 0.219990741935885 5.94992263572927e-207
3.84040461033435e-206 45.3294001966568 81.2845194887171
IRF7-regulon GC LM02 0.111512256200636 0.00376187486722571
 25981467.5 0.575918431059819 1.1114643797193e-16
 1.62709218474372e-16 100 100
IRF8-regulon GC LM02 0.123623940795929 0.0428105166902839
 42474729 0.941516459198118 0 0 100 100
IRF9-regulon GC LM02
0.028147093005099 -0.00590139448393695 16223812
0.359625273393409 4.63784448508536e-53
9.40819881260174e-53 100 100
JUN-regulon GC LM02 0.0727627738434575 -0.0159960240488356
 9623020.5 0.21330876973814 3.00952878734549e-215
2.03501470382409e-214 100 100
JUNB-regulon GC LM02 0.143350812085881 -0.0168084008116757
 12122262 0.26870822873789 8.15974917095086e-141
3.21856772854173e-140 100 100
JUND-regulon GC LM02
0.0341649532146134 -0.00439115224037666 17562717
0.389304123017209 1.18112621039901e-33 2.0207219503212e-33
 100 100
KLF11-regulon GC LM02 0.00655190026736678 -0.0157373035187903
 171110942 0.37928984845046 1.37074457413398e-49
2.74148914826795e-49 20.353982300885 41.3287044342749

KLF12-regulon	GC LM02	0.0801716511114696	0.0338814009298352
38760476	0.859184436947288	0	0 100
98.5707522712415			
KLF13-regulon	GC LM02		
0.0635214216994063	-0.00283419919432673		20412863.5
0.452481920829077	2.10084944046159e-07		
2.61684754864514e-07	100 100		
KLF2-regulon	GC LM02	0.0960276319453406	-0.0131146706999909
14939621.5	0.331159253221841		
6.07817657412694e-76	1.46288317546784e-75	100	100
KLF3-regulon	GC LM02	0.0393584402446586	-0.0334198060758163
9120250.5	0.202164114049082		
3.85291217071915e-232	2.87954488548484e-231		99.3117010816126
99.8760116323632			
KLF4-regulon	GC LM02	0.0171917526553403	0.00132158127888259
23333150	0.517214477576504	0.0442512290859626	
0.047966981146616	52.9006882989184	49.7418787619198	
KLF6-regulon	GC LM02	0.0392735434065387	-0.0307965687313698
7038335.5	0.156015326633595	0	0 100
100			
KLF7-regulon	GC LM02	0.0248022326674809	-0.0216824685732204
11151353.5	0.247186576813393		
7.58198676571737e-168	3.58880706910622e-167		94.3952802359882
97.6284406772019			
KLF8-regulon	GC LM02	0.0092438316627107	-0.0162265738365504
13142901.5	0.291332243317424		
2.90933605688483e-116	9.83632666851539e-116		56.6371681415929
78.1171802790865			
MAFB-regulon	GC LM02		
0.0542667253544368	-0.00155094084069908		21491765
0.476397400551232	0.00993723974698045		0.0110241253443064
100	99.997745666043		
MAFF-regulon	GC LM02		
0.00846922120899032	-0.00400753947509998		21337948
0.472987814648884	0.000213910311250819		
0.000244961808045293	24.385447394297	28.6413129240966	
MAFG-regulon	GC LM02		
0.0176894275154879	-0.00789487075048431		19419153.5
0.43045483925147	3.25233519807904e-15	4.61831598127223e-15	
51.4257620452311	58.7659775919205		
MAX-regulon	GC LM02	0.187024586818481	-0.0108896908433622
11074183.5	0.245475987320136		
4.27608439653886e-170	2.09380684244316e-169	100	100
MAZ-regulon	GC LM02		
0.131254455165593	-0.00516512244104914		18736239.5
0.415317019979761	2.25459727871092e-20		3.5181627865599e-20
100	100		
MEF2A-regulon	GC LM02	0.0490805140841151	0.00851709005515435
29866845.5	0.662043697149363		
4.24516256309668e-70	9.41895443687075e-70		100

99.997745666043
 MLX-regulon GC LM02
 0.051921919811932 -0.00102654565840226 22183424
 0.491729065943436 0.366315845976909 0.374221943372094
 100 99.9887283302148
 MXD4-regulon GC LM02 0.0962012991639772 0.00412461346921295
 25101762 0.556418431248234 6.96432623869834e-10
 9.32956911221852e-10 94.1986234021632 88.4758448116504
 MXI1-regulon GC LM02 0.0457441721708173 -0.0199321124415858
 10636772.5 0.235780112487496
 3.84498388908887e-183 2.09995273942546e-182 100 100
 MYBL1-regulon GC LM02 0.0759973771609955 0.047164237520773
 38929138.5 0.862923095757789 0 0
 99.1150442477876 79.6230753623842
 MYC-regulon GC LM02 0.283646763358627 -0.0319511072501136
 15446249.5 0.342389427302307
 2.04615049292413e-66 4.47005184608041e-66 100 100
 NFATC1-regulon GC LM02 0.0601124801621753 0.00981461021135867
 26468486 0.586713930983643 2.74461624838576e-21
 4.33039452523087e-21 97.6401179941003 94.7631822178137
 NFE2L1-regulon GC LM02 0.134087871880066 -0.049693027017148
 14445318.5 0.320202281363798 7.2512896268208e-86
 1.9068206055714e-85 100 99.9346243152461
 NFE2L2-regulon GC LM02 0.0957629053687166 -0.0154642185679991
 13599698 0.301457827008707 2.78939099697582e-104
 8.61072872979492e-104 100 100
 NFKB1-regulon GC LM02 0.041497853290657 -0.0155187611506063
 15533987.5 0.344334272461817 7.846643890039e-65
 1.68821732179627e-64 99.9016715830875 99.932369981289
 NFKB2-regulon GC LM02 0.0617016391154155 -0.0119426205452106
 14537307 0.322241345269466 5.6768903361182e-84
 1.41424285566453e-83 100 100
 NFYA-regulon GC LM02
 0.0135707360720142 -0.00754681473190917 13737288.5
 0.304507728054087 3.67629326982557e-101
 1.11070988152177e-100 98.2300884955752 99.0351450663901
 NFYB-regulon GC LM02 0.119537818391017 0.0111631176102522
 34197037 0.758028925653817 9.35852506171676e-175
 4.74610913844207e-174 100 100
 NFYC-regulon GC LM02 0.0898006749006348 0.00640959260988752
 31044770.5 0.688154182167429
 7.50291921780315e-94 2.13082905785609e-93 100 100
 NR1H3-regulon GC LM02
 0.00574841346295159 -0.00284984765852144 21402103.5
 0.474409918111818 0.000118603889451274
 0.000136924815464073 17.6007866273353 22.2074438107261
 NR2C2-regulon GC LM02
 0.0176502536272551 -0.00423073721697476 20355479
 0.451209906798032 8.03037513264297e-08
 1.00912678657991e-07 74.1396263520157 76.0206496990464

NR3C1-regulon	GC LM02	0.245436528500378	0.0204165333825655
		36556908 0.810339027222313	7.39106412630616e-252
		6.17371238785574e-251	100 100
NRF1-regulon	GC LM02		
		0.0236962255643267	-0.00310247533510866 19252450.5
		0.426759615715195	1.24704930963802e-15
		1.80694899967958e-15	100 99.9661849906445
PAX5-regulon	GC LM02	0.125840963217374	0.0261595920200148
		38516350 0.853773015791 0 0	100 100
POU2F1-regulon	GC LM02		
		0.00209255625705391	-0.00285133071859798 20907191
		0.463439435766589	3.29356275033818e-09
		4.33042509766686e-09	11.6027531956736 18.5013187853649
POU6F1-regulon	GC LM02	0.0346773826615945	0.00375951376040052
		24311869.5	0.538909272102165
		1.41764238946031e-05	1.6636794983749e-05 72.4680432645035
		65.1908293694628	
REL-regulon	GC LM02	0.252298082125985	-0.0116755815414598
		15778603.5	0.349756555207475
		1.61098483159887e-60	3.36411538363294e-60 100 100
RELA-regulon	GC LM02		
		0.0847483649568798	-0.00748382975769142 14085555
		0.312227580532423	1.76968990436558e-93
		4.92737189058652e-93	100 100
RELB-regulon	GC LM02	0.110790987420588	0.0057358649958113
		28427391 0.630136016137041	7.48316833948737e-46
		1.43595933000974e-45	100 100
REST-regulon	GC LM02	0.223217474897985	0.00470444220537672
		27255554 0.604160480825272	5.44525461947278e-30
		8.78666086324016e-30	100 100
RFX5-regulon	GC LM02	0.088415771959057	0.0235961516276109
		40108377 0.88906269648532 0 0	100 100
RXRA-regulon	GC LM02		
		0.0111386846883405	-0.00346920851014316 20250793.5
		0.448889394728622	1.10019538911805e-08
		1.43328206655746e-08	58.7020648967552 64.3905408147163
SETDB1-regulon	GC LM02		
		0.0554192897316084	-0.00439678104901747 20617645
		0.457021211775213	2.67037850292931e-06
		3.18650207912573e-06	95.771878072763 95.0359566266147
SOX5-regulon	GC LM02		
		0.00566886629332943	-0.00218337256631123 21635945.5
		0.479593378890386	0.00229608329126768 0.00258764942349215
		18.9773844641101	22.5749002457224
SP1-regulon	GC LM02		
		0.00916873290731819	-0.00391283820509683 19830425.5
		0.439571303707484	8.76804835306091e-12
		1.20879889915985e-11	54.1789577187807 59.9517572533195
SP2-regulon	GC LM02		
		0.0279637627443042	-0.000282731083180172 22255946.5

0.493336636586492		0.46673107506606	0.470041224534613	100
100				
SP3-regulon	GC LM02			
0.026570544352808		-0.00173831637016003	19730035	
0.43734599679388		7.7327555732531e-12	1.07652087392347e-11	100
100				
SP4-regulon	GC LM02	0.00481700456687575	-0.0039085203557328	
20385973		0.451885852320999	5.4814508082638e-11	
7.48428860359095e-11		20.6489675516224	29.2071507473117	
SPI1-regulon	GC LM02	0.465477200783423	0.0480102641407813	
39748397		0.881083196604765	0	100 100
SPIB-regulon	GC LM02	0.600064806004783	0.0364300835291677	
36967086.5		0.819431252600824		
1.05270294869936e-266		1.06774156225221e-265	100	100
SREBF1-regulon	GC LM02			
0.0372248879086462		-0.00378993497301015	20435602	
0.452985953992125		2.81829031318292e-07		
3.47997586497369e-07		95.771878072763	96.9205798146938	
SREBF2-regulon	GC LM02	0.113079002624021	0.0144195500896496	
36686820		0.81321872272896	1.63248731563654e-256	
1.54542132546926e-255		100	100	
SRF-regulon	GC LM02			
0.0153690404636159		-0.00552394231897802	16624101.5	
0.368498294165223		8.78061389113948e-47		
1.73173218408584e-46		96.6568338249754	97.9643364367998	
STAT1-regulon	GC LM02			
0.0705463575970419		-0.00943358503613859	12538968	
0.277945146003368		5.99204690547885e-130		
2.23913331731052e-129		100	100	
STAT2-regulon	GC LM02			
0.0659372628224737		-0.000303903120245169	22639259	
0.501833336536394		0.841288254389557	0.841288254389557	
100		99.9616763227305		
STAT5A-regulon	GC LM02	0.061038518717166	-0.0108116277196947	
15058841		0.333801933331875	1.21426096120612e-73	
2.82664027034867e-73		100	100	
TBP-regulon	GC LM02	0.0185790920419254	-0.0023754126897792	
21790994		0.483030262848468	0.0474255447327335	
0.0506347921206628		48.2792527040315	49.9222254784824	
TCF12-regulon	GC LM02			
0.00649506309827131		-0.00260708204089315	21838519	
0.484083726184829		0.0226602993303505	0.0247520192685367	
23.2055063913471		25.2665749904191		
TFDP1-regulon	GC LM02	0.553179665297578	0.0255899025604971	
33081806		0.7333081477459	3.02700514783447e-143	
1.22809923140713e-142		100	100	
TFDP2-regulon	GC LM02			
0.0260097235197388		-0.00113895734261267	21937550	
0.486278897729558		0.133953232311727	0.139862933737245	
100		99.9954913320859		

TFEC-regulon	GC LM02	0.0736807098733097	-0.0182703233251654	
11945409	0.26478801513609	1.46791615594175e-145		
6.13070865128612e-145	100	100		
THAP1-regulon	GC LM02			
0.0354413513501653	-0.00176328164141257	19951606		
0.442257452341507	2.84572675471906e-10			
3.84850665876293e-10	100	100		
THAP11-regulon	GC LM02			
0.170622786935084	-0.00803500949834585	12866657		
0.28520886714443	1.02874921641429e-121	3.65205971827072e-121	100	
100				
TP53-regulon	GC LM02			
0.0922175762840769	-0.00627986479674787	19253534.5		
0.426783644210863	1.2739124661904e-15			
1.82722798180845e-15	100	100		
USF2-regulon	GC LM02			
0.138587206516026	0.771377807906497	0.0136059478306773		
34799246.5	0.771377807906497			
4.38051158414607e-193	2.48813057979497e-192	100	100	
XBP1-regulon	GC LM02			
0.204057822194491	0.690164285529195	0.00896897476087172		
31135452.5	0.690164285529195			
7.95393366096608e-96	2.30501750991262e-95	100	100	
YBX1-regulon	GC LM02			
0.0931649885591326	-0.00206505699363146	20300030		
0.449980796044998	4.67174416467399e-08			
5.92310420878309e-08	100	100		
YY1-regulon	GC LM02			
0.65336631722129	0.0142135494450886			
27762140	0.615389723912363	2.01977962135897e-36		
3.58510882791217e-36	100	100		
YY2-regulon	GC LM02			
0.0293983418047986	0.309792822276047	-0.0220990143839596		
13975715.5	0.309792822276047			
6.00274645520822e-96	1.7758124929991e-95	82.3992133726647		
90.7166527649406				
ZBTB33-regulon	GC LM02			
0.354234697959273	0.354234697959273	-0.0118570649841255		
15925970	0.353023156044043	5.39241522854687e-58		
1.10974342384588e-57	100	100		
ZNF143-regulon	GC LM02			
0.0197590427920553	-0.00365357973788914	16805697		
0.37252363243557	4.54928634717199e-44	8.61331548397898e-44	100	
99.9932369981289				
ZNF274-regulon	GC LM02			
0.051474226437309	0.051474226437309	-0.0141852341535023		
10197387	0.226040469882996	9.77348717204298e-197		
5.7826465767921e-196	100	100		
ZNF76-regulon	GC LM02			
0.0156999774094529	0.544467346881459	0.00116907287289054		
24562611.5	0.544467346881459			
1.19196747311936e-06	1.44666137763204e-06	99.6066863323501		
99.4567055163552				
ATF1-regulon	LZ			
0.109902710534213	0.109902710534213	0.00373520529308961		
19307738	0.60464005218489	6.85382173070407e-22		
1.1186697537471e-21	100	100		
ATF3-regulon	LZ			

0.0485571259497651		-0.00250411298156023	15194822
0.475840202877215		0.0264083569463439	0.0288460514336987
100	100		
ATF4-regulon	LZ		
0.104299969181777		-0.00452294238313813	14266392.5
0.4467655561563	9.98385900720266e-07	1.20144743984981e-06	100
100			
ATF5-regulon	LZ	0.128356172404225	0.0100815887623772
19393127.5		0.607314105030233	
6.10772405835631e-23		1.00848467010069e-22	100
99.9977609099662			
ATF6-regulon	LZ	0.13178333697426	-0.00470474224435602
15418370.5	0.482840835302715	0.114833936838121	
0.121689694261292	100	100	
ATF6B-regulon	LZ		
0.0521918348986017		-0.00518639980318974	8454008.32226562
0.264745255666209		1.15834273322327e-103	
5.67188510750705e-103		99.8601398601399	99.9216318488166
BACH1-regulon	LZ	0.0309532653604492	-0.0125269607192822
10198708.5		0.319382189651552	
7.22916415259545e-62		1.93687039560105e-61	99.7202797202797
99.5611383533732			
BATF-regulon	LZ	0.0449438244122143	0.0260611221649377
22678643	0.710203126176794	1.94234072985727e-93	
7.66145510110369e-93		80.6993006993007	51.2527708739168
BATF3-regulon	LZ	0.0983537040421334	0.0154332747425667
21749465.5		0.681105055129372	
3.42566442565601e-62		9.35469900852218e-62	100 100
BCL11A-regulon	LZ		
0.198470895000458		-0.00612596493724438	12443555
0.389681678121256		3.76012652126142e-24	
6.67422457523903e-24		100 100	
BHLHE40-regulon	LZ	0.0425707298265197	-0.0132898578600661
8747716.5		0.273943004667798	
7.53085129535692e-96		3.24054813315358e-95	100 100
BRF2-regulon	LZ	0.0440496655412964	0.00247635065362301
17681048.5		0.553698734037284	8.0305962981405e-07
9.74653567808505e-07	100	99.7245919258413	
CEBPB-regulon	LZ		
0.137791751988585		-0.00538512379485878	13887803.5
0.43490968403308	2.21164158250617e-09	2.96276513882902e-09	100
100			
CEBPG-regulon	LZ		
0.0676233117637773		-0.000444424881943933	16735076
0.5240747117015	0.0269435598852913	0.0292059962115371	100
100			
CLOCK-regulon	LZ		
0.00803392197703036		-0.00768184987021716	12909940
0.404286964910328		7.97390447877138e-21	
1.28669822271084e-20		37.4825174825175	51.3109872147959

CREB1-regulon	LZ	0.046206817176478	0.00328742144368133
18119286	0.567422555277731	5.80017759663732e-10	
7.91947325694711e-10	100	99.9932827298986	
CREB3-regulon	LZ	0.244678456228939	0.00495654410710142
20842665	0.65270774097267	9.78995793200431e-45	
2.01474496571683e-44	100	100	
CREB3L2-regulon	LZ	0.12285954332926	-0.00398037926787048
15810193.5	0.495111142635829	0.653245452169407	
0.658135303585789	100	100	
CREB3L4-regulon	LZ		
0.0041247290259148	-0.00708830767186056	13508116.5	
0.423019427002768	7.88435629474671e-18		
1.25795347624049e-17	17.9020979020979	31.5622131165894	
CREB5-regulon	LZ		
0.0369591281431482	-0.00225064857395069	15555658	
0.487140123037214	0.23730417928255	0.245964915752716	
99.7202797202797	99.6215937842861		
CREM-regulon	LZ	0.169615753061679	0.0199302403794519
26264103	0.822485192647079	5.34921729910649e-193	
1.51917771294624e-191	100	100	
CTCF-regulon	LZ	0.376033156397335	0.00527604047907204
19454487.5	0.609235651386521		
1.03583424734022e-23	1.75105313240847e-23	100	100
CUX1-regulon	LZ	0.0849083813500176	0.00834175883610822
21659762	0.678295905299331	2.47078555999295e-60	
6.15529034243858e-60	100	100	
DDIT3-regulon	LZ		
0.0783754609791892	-0.00663725091703334	13141741.5	
0.411546047826024	4.34854129030035e-16		
6.71187894807229e-16	100	100	
E2F1-regulon	LZ	0.487465147677132	0.0505670150328627
26410291	0.827063207945857	1.85925841343786e-198	
6.60036736770442e-197	100	100	
E2F2-regulon	LZ		
0.0476904067020347	-0.00633033367510999	11071026.5	
0.346699651751039	4.53504961685499e-45		
9.47025067049131e-45	100	100	
E2F3-regulon	LZ		
0.0170829586628162	-0.00409689947346119	10995116	
0.344322442743884	2.00947095121389e-46		
4.32340719806625e-46	100	100	
E2F4-regulon	LZ	0.441164721243537	0.0431877182581645
25104109	0.786158884889321	2.10544107895528e-152	
1.99315088807766e-151	100	100	
E2F6-regulon	LZ	0.0885520792444252	0.0164094269751037
23180434.5	0.725917200955825		
9.83954139206558e-96	4.10945552256857e-95	100	100
E2F7-regulon	LZ		
0.0227067939519801	-0.00799318371441721	7935846	
0.248518513125217	3.69123704901578e-118		

2.27893765634887e-117	100	100	
E2F8-regulon LZ	0.0750866389185429		
0.000294671314143041	18258787.5	0.571791176513417	
4.18939453904228e-11	5.83229435827455e-11	100	100
EGR1-regulon LZ	0.055953959479275	0.00862688717118879	
22693069 0.710654889992567		1.74379148320953e-83	
5.62769069581257e-83	100	100	
EGR2-regulon LZ	0.0656901235588109	0.0199566767515128	
23342953.5	0.731006636944704		
5.23648253092988e-100	2.39864683674852e-99	100	
99.9955218199324			
EGR3-regulon LZ	0.058014750441935	0.0168084623444441	
22708965 0.711152688246797		7.16863479639645e-84	
2.36731660718208e-83	100	99.9955218199324	
ELF1-regulon LZ	0.732088133012172	0.0254444265514419	
24098199 0.754657863128341		4.10851525683387e-121	
2.65185984759277e-120	100	100	
ELF2-regulon LZ	0.0184489087926076	-0.014434602562053	
8186010 0.256352635072323		4.93953690804311e-111	
2.59783052200786e-110	98.7412587412587	99.5477038131703	
ELF4-regulon LZ			
0.0106237814744039	-0.00794856781827925	8864812.5	
0.277609976508344	7.92393224562792e-93		
3.04107669967342e-92	95.3846153846154	98.383376995589	
ELK1-regulon LZ	0.0709576259826713	0.00498114367427677	
19470343 0.609732181344998		6.51605518069636e-24	
1.11479498272155e-23	100	100	
ELK3-regulon LZ			
0.0581295608492649	-0.00688437389838458	11971715	
0.37490556285478 1.38971427878346e-30		2.56284970892534e-30	100
100			
ELK4-regulon LZ	0.0479551478824206	0.00300547244869868	
17126984.5	0.536347696547871		
0.000837137988998219	0.000950988755501977	98.4615384615385	
96.7018203801975			
ESRRA-regulon LZ	0.110090123933903	0.0186482430821312	
23948747 0.74997763258662	8.96648067417185e-117		
5.30516773221835e-116	100	100	
ETS1-regulon LZ	0.270643036861273	0.0281475585515932	
23939200.5	0.749678674922176		
1.68676588357608e-116	9.58083021871214e-116	100	100
ETV2-regulon LZ			
0.0208775938286336	-0.00784809618258055	8587802	
0.268935131056445	4.67287689831713e-100		
2.21182839853677e-99	100	100	
ETV3-regulon LZ			
0.007125754426834	-0.00437219479780463	11809975.5	
0.369840537644662	4.31286152461694e-33		
8.27603157426495e-33	74.2657342657343	84.5099751461006	
ETV5-regulon LZ	0.038031191259167	0.00464067322516646	

20786467.5	0.650947863180012		
9.45583459332668e-44	1.91818358893198e-43	100	100
ETV6-regulon LZ	0.444836029699554	-0.0149748271622394	
9110959	0.285318286648306	1.23763168107382e-86	
4.28643167591421e-86	100	100	
ETV7-regulon LZ			
0.0610855501668822	-0.00303840617723092	14668160.5	
0.459347300557753	0.000187147611288704		
0.000216056591894276	100	100	
FLI1-regulon LZ	0.144559953033389		
0.000638498416938416	15493074	0.485180245964823	
0.173244002505578	0.182227024857719	100	100
FOS-regulon LZ	0.0726373861944332	-0.0138585101446532	
8282060	0.259360531544316	2.34550181577115e-108	
1.18950449228394e-107	100	100	
FOSB-regulon LZ	0.0255582443700753	-0.0161700324399381	
9031597	0.28283299065861	1.31674169578161e-88	
4.79429027694841e-88	98.4615384615385	99.3372293499922	
FOSL1-regulon LZ	0.0681124415344892	0.0074359041396318	
20586541.5	0.644686991654144		
2.44345271955422e-40	4.88690543910845e-40	100	100
FOX01-regulon LZ			
0.00782698748190721	-0.00901200178226094	12654240	
0.39627947789431	5.91807865864038e-24	1.02483801161821e-23	
38.4615384615385	52.5648776337297		
FOX03-regulon LZ	0.00578912325661902	-0.0141781985416088	
11353621.5	0.355549381095159		
4.77172163082765e-47	1.04243764858081e-46	21.3986013986014	
47.1664315622131			
GABPA-regulon LZ			
0.0234688925217079	-0.00205135820466057	13848058.5	
0.433665031817783	1.08875235611803e-09	1.4724079482739e-09	
100	100		
GTF2B-regulon LZ	0.0820802600068792	0.00307168059947692	
17725670.5	0.555096114114049		
4.12636530613371e-07	5.18534401301758e-07	100	100
HINFP-regulon LZ			
0.0122286468887057	-0.00406596759139901	14368221.5	
0.449954427471724	2.38595241548371e-06	2.8471028823419e-06	
58.7412587412587	63.3057925259175		
HIVEP3-regulon LZ	0.115834848862897	0.0387575936788788	
24526695	0.76807662009516	5.35641329183168e-134	
4.47418051435352e-133	100	99.6887664853004	
HOXB2-regulon LZ	0.0175061632394759	-0.0199102923102217	
9945043.5	0.31143843058265	1.51291686538972e-67	
4.57094031670936e-67	71.6083916083916	83.9233335572423	
IKZF1-regulon LZ	0.161592936688541	0.0180126327957263	
27484277	0.860696093946581	6.46265233077325e-241	
3.05898876989934e-239	100	100	
IRF1-regulon LZ	0.11277666332701	-0.02302864815595	

6353256.5	0.198958228131332	1.88806621003517e-168
2.43732183477268e-167	100 100	
IRF2-regulon LZ	0.0686422929417581	-0.0166403340358337
7588753	0.237648967990877	2.02895942094274e-128
1.60062354318816e-127	100 100	
IRF3-regulon LZ		
0.144148697016116	-0.00131860942934439	15128026
0.473748423046468	0.0158488996292853	0.0175823730262384
100 100		
IRF4-regulon LZ	0.0608776734146125	0.00250479193049014
18320911.5	0.573736648251326	1.2354992400917e-11
1.73703853557446e-11	100	99.9955218199324
IRF5-regulon LZ		
0.0380104377838089	-0.00917895343721174	14005566.5
0.438597543608627	1.48178692951658e-08	
1.91285221810322e-08	80.5594405594406	80.4773739952083
IRF7-regulon LZ	0.097529220630825	-0.0104704600161319
10499393.5	0.328798424432199	
9.05659785805688e-56	2.14339482640679e-55	100 100
IRF8-regulon LZ	0.0944604998770516	0.0128906969107118
22736051	0.712000911920305	1.56866469377418e-84
5.30358063133175e-84	100 100	
IRF9-regulon LZ	0.0273691156207345	-0.0066519213565724
10888478	0.34098297305122	2.32736598991635e-48
5.1638432901269e-48	100 100	
JUN-regulon LZ	0.069835362171845	-0.0188621361544387
5696405.5	0.178388318651636	
5.7698752916363e-192	1.17046041630336e-190	100 100
JUNB-regulon LZ	0.147596082178817	-0.0123815068150752
10251122	0.321023567910113	8.81764275824056e-61
2.31871346605585e-60	100 100	
JUND-regulon LZ		
0.0311820603162496	-0.00739210654456967	10254739.5
0.321136853339446	1.0470325532472e-60	
2.65497540287683e-60	100 100	
KLF11-regulon LZ	0.0114077913062685	-0.0106972556594974
13813799.5	0.43259217887417	3.51446651582187e-12
5.09239025761945e-12	31.4685314685315	41.0089339692349
KLF12-regulon LZ	0.0523538515193747	0.005389144657658
18354495.5	0.574788362932381	
6.30178932984639e-12	9.03893014988068e-12	99.7202797202797
98.5848950986319		
KLF13-regulon LZ		
0.058621217127666	-0.00779368855843865	10481536.5
0.328239215610748	4.01674302956046e-56	
9.66741542707773e-56	100 100	
KLF2-regulon LZ	0.0877619381130509	-0.0214240120220074
7678421.5	0.240457021762859	
9.98325300132363e-126	7.46116803256819e-125	100 100
KLF3-regulon LZ	0.037557651479706	-0.0350234380939885

5939066 0.18598746140897 4.25377509449971e-183
6.71151181576621e-182 99.8601398601399 99.8634155079376
KLF4-regulon LZ 0.00951555518618337 -0.0064864448268178
13745220 0.430444547056356 7.99697506829912e-12
1.13557045969847e-11 40.8391608391608 49.9563377443407
KLF6-regulon LZ 0.0408946791434642 -0.0289412314358411
5696140 0.178380004268363 5.64089460845727e-192
1.17046041630336e-190 100 100
KLF7-regulon LZ 0.0195295001710399 -0.0268929968697072
6132510.5 0.192045358640374
3.49783140500642e-176 4.96692059510912e-175 87.4125874125874
97.7183672555473
KLF8-regulon LZ 0.00833627910550987 -0.0170389309162599
8880364.5 0.278097002077656
1.87596718468394e-93 7.61106686357483e-93 54.965034965035
77.9987013277804
MAFB-regulon LZ
0.0517425650682268 -0.00410502411275241 13363300
0.418484361521911 6.84302359380963e-14
1.03373335140528e-13 100 99.9977609099662
MAFF-regulon LZ
0.00540429677485515 -0.00709443260785198 14016194
0.438930353809107 1.90129004623119e-12
2.78333182025597e-12 17.9020979020979 28.7163296836166
MAFG-regulon LZ
0.0179153802669913 -0.00761191508404458 14011004.5
0.438767839714975 5.28910103551868e-09
7.01918081349208e-09 53.1468531468531 58.6887888762007
MAX-regulon LZ
0.191403627238729 -0.00636690754823133 10253907
0.321110782815626 1.00645844014105e-60
2.59849270000053e-60 100 100
MAZ-regulon LZ 0.13644883146698 0.000147340021254855
17086429 0.535077662759533 0.00126658071278513
0.00142741635885309 100 100
MEF2A-regulon LZ
0.0396675509843516 -0.00110416282345398 15166449.5
0.474951691241071 0.0213462938197969 0.0234974707163655
100 99.9977609099662
MLX-regulon LZ
0.0509093465510898 -0.00204838814950491 15310971.5
0.479477534176265 0.059308108035034 0.0633214386539461
100 99.9888045498309
MXD4-regulon LZ
0.0908091908091908 -0.00138171066088917 17799491
0.557407872797139 1.29621288293472e-07
1.65821828267324e-07 93.986013986014 88.517946306621
MXI1-regulon LZ 0.0426122920603618 -0.0229793503882208
6423809 0.201167646307701 5.12347196492311e-166
5.59640783860832e-165 100 100

MYBL1-regulon	LZ			
0.0242345522893156		-0.00574621099378379		15810936
0.495134394724641		0.653500547926735		0.658135303585789
85.4545454545455		79.973578737601		
MYC-regulon	LZ	0.352582824562713		0.0383046404399546
24120750		0.75536406899341		8.95394905195546e-122
6.05457507322703e-121		100	100	
NFATC1-regulon	LZ	0.143937437154911		0.094915195424823
28895407		0.904886962749527		4.79106864604513e-303
3.40165873869204e-301		100	94.7448556906473	
NFE2L1-regulon	LZ	0.190872504755435		0.00833672591072895
18433047.5		0.577248293007009		
1.25936344468128e-12		1.86280842859106e-12		100
99.9350663890195				
NFE2L2-regulon	LZ	0.121440302636867		0.0107288306796024
21349064		0.668566103966117		4.03323696167544e-54
9.38884669767069e-54		100	100	
NFKB1-regulon	LZ	0.0660492731931427		0.009530653223516
20318810.5		0.6363027425095		5.41597187102785e-36
1.05351781600816e-35		100	99.9305882089519	
NFKB2-regulon	LZ	0.0825581734777225		0.00932857299341804
20439994.5		0.64009773393128		6.28682595600077e-38
1.23990178576682e-37		100	100	
NFYA-regulon	LZ			
0.0141514759579542		-0.00690574554148693		10329793
0.32348722458214		3.60786922041534e-59		8.83305912584445e-59
97.3426573426573		99.043908555563		
NFYB-regulon	LZ	0.114943921138376		0.00642018880762529
21999908.5		0.688947914225002		
1.56490540821513e-67		4.62951183263642e-67		100 100
NFYC-regulon	LZ	0.0873276654000135		0.00385364948124337
20036179		0.627451870133404		1.10460168155466e-31
2.06386103658897e-31		100	100	
NR1H3-regulon	LZ	0.00398187261131423		-0.0046253991170876
14689349		0.460010838448401		4.18405313491993e-07
5.21171530840903e-07		15.1048951048951		22.2162513154654
NR2C2-regulon	LZ	0.0103927541285172		-0.011575817143873
10721967		0.335768523811783		3.66354177062766e-52
8.25750684808139e-52		59.1608391608392		76.2477329213408
NR3C1-regulon	LZ	0.231474820821199		0.00609324817327958
18829978.5		0.589678562184776		
1.70814528602897e-16		2.66545747929795e-16		100 100
NRF1-regulon	LZ			
0.0231461139604565		-0.00364041484801726		13101073
0.410272475335954		1.6450726281337e-16		
2.59555903549984e-16		100	99.9664136494928	
PAX5-regulon	LZ	0.114786598083132		0.0147513595773599
22839900.5		0.71525305710165		4.37527818319649e-87
1.55322375503475e-86		100	100	
POU2F1-regulon	LZ			

0.00152517166091827	-0.00340851800856538	14245208.5
0.446102159187401	2.16987473354358e-13	
3.24339170698093e-13	7.97202797202797	18.5127963995432
POU6F1-regulon LZ		
0.0256219755371819	-0.00546628787487383	14658646
0.459049345003533	0.000121083959590008	
0.000140933789030992	60.8391608391608	65.4262107879358
REL-regulon LZ	0.280701358904919	0.0172613682076824
23316657	0.730183137209402	2.61226935257087e-99
1.15919452520332e-98	100	100
RELA-regulon LZ		
0.0858405176886717	-0.00632358616832687	10680505
0.334470102119729	2.97565507890636e-52	
6.81521001943069e-52	100	100
RELB-regulon LZ	0.123678663979269	0.0187910805148989
26233102	0.821514367050741	7.51730508161064e-192
1.33432165198589e-190	100	100
REST-regulon LZ	0.219627070477499	0.00102474554542656
16224338	0.508080468824742	0.457754177845515
0.467633764417721	100	100
RFX5-regulon LZ	0.0732003059473891	0.00797753530605549
22233525.5	0.69626385123799	1.02403816633463e-72
3.16116129607645e-72	100	100
RXRA-regulon LZ	0.0295172064402833	0.0152270030387747
22744473.5	0.712264670463099	
1.06774311482411e-88	3.98998742907955e-88	86.4335664335664
63.9081077450124		
SETDB1-regulon LZ	0.0598416580589754	0.00012611841806582
16044117.5	0.502436693643787	0.822810672584136
0.822810672584136	98.4615384615385	94.9978728644679
SOX5-regulon LZ		
0.00488735561585962	-0.00296263075546606	15044366.5
0.47112854678516	0.000284215888238903	0.000325473033305841
17.3426573426573	22.5767448109088	
SP1-regulon LZ		
0.00918961237867844	-0.00386516564894309	13760930.5
0.430936536202876	5.27533483442215e-11	
7.27279171347519e-11	49.9300699300699	59.9807438257092
SP2-regulon LZ		
0.0251094652202786	-0.00318081262329494	12523674.5
0.392190695938933	3.87770656715615e-23	
6.47805097101381e-23	100	100
SP3-regulon LZ		
0.0231442945375912	-0.00520766412483396	10133616.5
0.317343772190283	3.13599244319933e-63	
8.90621853868609e-63	100	100
SP4-regulon LZ		
0.00312971370065774	-0.00559639427700813	13745905
0.430465998478358	1.55114137116868e-15	
2.36840940544035e-15	16.9230769230769	29.2089294910548

SPI1-regulon	LZ	0.435360796089156	0.0170870631560839
20924719	0.655277339485038	3.40720435768758e-46	
7.22123908644233e-46	100	100	
SPIB-regulon	LZ	0.62005276861915	0.0564917011902971
29540589.5	0.925091462130489	0	0 100 100
SREBF1-regulon	LZ		
0.0377487441119787	-0.00323206436007574	14544574.5	
0.455477088237215	4.28636656476268e-05		
5.07220043496917e-05	97.3426573426573	96.8876648530037	
SREBF2-regulon	LZ	0.100704302705985	0.00174923174460868
16906711	0.529449623840703	0.00680457715293497	
0.00760826736784855	100	100	
SRF-regulon	LZ		
0.0135702524134703	-0.00731417487049001	10118454.5	
0.316868959839337	1.50045256111178e-63		
4.34825027914026e-63	96.5034965034965	97.957949889165	
STAT1-regulon	LZ	0.0681874704119705	-0.0117664464191995
7398154.5	0.231680195937602		
3.0853279210263e-134	2.73822852991084e-133	100	100
STAT2-regulon	LZ		
0.057885070049972	-0.00848295241387322	12389562.5	
0.387990851986284	7.57505993994168e-25		
1.36159305249585e-24	100	99.9619354694252	
STAT5A-regulon	LZ	0.0768940024635359	0.00537080308227182
19562686.5	0.612624005268595		
4.20517871886223e-25	7.65558177023637e-25	100	100
TBP-regulon	LZ	0.0141077689975372	-0.0069022566885666
14358712.5	0.4496566441552	7.49263576551991e-07	
9.17201964399851e-07	44.6153846153846	49.9697722845436	
TCF12-regulon	LZ		
0.0047669547772154	-0.00434522727722649	14622253	
0.457909663834296	3.96230500161736e-07		
5.02363669847915e-07	17.9020979020979	25.3375428225969	
TFDP1-regulon	LZ	0.5645440224595	0.0369631570779982
25531427	0.799540751673485	8.53613425951078e-167	
1.01010922070878e-165	100	100	
TFDP2-regulon	LZ		
0.0247037775422055	-0.00245810916543534	14220739.5	
0.445335889340726	5.07818235462248e-07		
6.27045125527298e-07	100	99.9955218199324	
TFEC-regulon	LZ		
0.0869235916149632	-0.00469188487655316	14601692.5	
0.457265792356811	8.59971921661573e-05		
0.000100922324690862	100	100	
THAP1-regulon	LZ		
0.0334174618615228	-0.00380764917418012	11857312.5	
0.371322940510823	2.90852567104171e-32		
5.50680860383897e-32	100	100	
THAP11-regulon	LZ		
0.178315362631696	-0.000164946407998912	15219688.5	

0.476618920811841		0.0316666420233802	0.0340656300554544
100	100		
TP53-regulon	LZ	0.110309367008396	0.0121440311096432
21797245	0.682601315300986	3.41415654754751e-63	
9.50608293630875e-63	100	100	
USF2-regulon	LZ		
0.120997807324993	-0.00435705286203447	12445204.5	
0.389733333771757	3.94726500004525e-24		
6.91989666674599e-24	100	100	
XBP1-regulon	LZ	0.190481136886898	-0.0048857150780281
15606649	0.488736954364683	0.300663494558757	
0.309378378459011	100	100	
YBX1-regulon	LZ		
0.0943352008170597	-0.000862146207312828	15522218.5	
0.486092933510143	0.201255479498162	0.210134397711317	
100	100		
YY1-regulon	LZ	0.680269540467937	0.0414513669168742
25370657.5	0.79450610292956	2.6481348182336e-161	
2.68596531563694e-160	100	100	
YY2-regulon	LZ	0.0280839856322263	-0.0232849780512014
9530035.5	0.298442063075636		
1.18383787393395e-76	3.73566617996934e-76	80.4195804195804	
90.6921027294508			
ZBTB33-regulon	LZ	0.371872310032725	0.00614309441826505
17939794.5	0.561801609420337		
1.35300063213324e-08	1.76262467672404e-08	100	100
ZNF143-regulon	LZ		
0.016118340391835	-0.00732786224458525	8089315	
0.25332453981611	9.24150835442538e-114	5.04728533203232e-113	
99.7202797202797	99.9977609099662		
ZNF274-regulon	LZ	0.0526195053445954	-0.0129256986211276
7802541.5	0.244343956797776		
4.7632560704762e-122	3.3819118100381e-121	100	100
ZNF76-regulon	LZ	0.012818683959738	-0.0017662539577195
13942462.5	0.436621382245081		
5.74033389088378e-09	7.54747604171756e-09	99.8601398601399	
99.4536620317503			
ATF1-regulon	Memory 1		
0.103659971137685	-0.00266573284336021	34217637	
0.463205883581229	2.70855166940717e-07		
3.77072879466488e-07	100	100	
ATF3-regulon	Memory 1		
0.048778415527101	-0.00233020382301172	36198073	
0.490015145929067	0.162843524549776	0.176517408290597	
100	100		
ATF4-regulon	Memory 1	0.106588975310731	-0.002246381770995
36547098	0.49473991501575	0.46222036400622	0.482612438888848
100	100		
ATF5-regulon	Memory 1	0.11852293249536	9.29550557832726e-05
37825273.5	0.512042641438658	0.0923389924764069	

0.102438569778514	100	99.9977108847431	
ATF6-regulon	Memory 1		
0.134416593991111	-0.00207466688745661	41569722.5	
0.562731437031698	1.820192733147e-18		
3.31368420649839e-18	100	100	
ATF6B-regulon	Memory 1		
0.0603693768791612		0.00319181282590388	
47259622.453125	0.639755900622684		
5.53503701901032e-85	3.57261480317939e-84	100	
99.9175918507497			
BACH1-regulon	Memory 1		
0.0442928205332679		0.00104908006954242	
38376200.5	0.519500568116171	0.00641899373798467	
0.00779057359652841	99.8817267888823	99.5513334096372	
BATF-regulon	Memory 1		
0.0153898574122718	-0.00405459607602397	35819576.5	
0.48489141965554	0.0249849318987579	0.0286117768518035	
50.7983441750443	51.7523177291977		
BATF3-regulon	Memory 1		
0.066520165208724		-0.0172877000074857	
26443700	0.357969705028344	1.07120491377956e-87	
7.24338560746181e-87	100	100	
BCL11A-regulon	Memory 1		
0.220122549376242		0.0162269371384526	
51070898	0.691349330562389	1.42333155212301e-157	
2.88732972002097e-156	100	100	
BHLHE40-regulon	Memory 1		
0.0597299828033509		0.00423669271347783	
42101294	0.569927347326267	1.46061304350124e-22	
2.88065350246077e-22	100	100	
BRF2-regulon	Memory 1		
0.0390994374302159	-0.00261016949128843	33869865.5	
0.458498083187477	6.60469794345402e-09		
9.47340513101486e-09	99.8817267888823	99.7230170539087	
CEBPB-regulon	Memory 1		
0.13918657191303	-0.00405662504087309		
34578979	0.468097388520189	8.23453733384326e-06	
1.11362314419595e-05	100	100	
CEBPG-regulon	Memory 1		
0.0588506504215955	-0.00956659587307642	29774762.5	
0.403062466652322	8.04738216953371e-42		
2.38068389182039e-41	100	100	
CLOCK-regulon	Memory 1		
0.0165715258445797		0.00101460950074744	
38123794	0.516083728553166	0.016744072800982	
0.0194890027683561	53.9917208752218	50.9808858876044	
CREB1-regulon	Memory 1		
0.0474696750120323		0.00467260996319931	
43558026	0.589647202125155	5.12305316643335e-36	
1.37259160308214e-35	100	99.9931326542291	
CREB3-regulon	Memory 1		
0.233898418238886	-0.00613003977267668	34319996.5	
0.464591529312419	7.45942592594412e-07		
1.02838687522725e-06	100	100	
CREB3L2-regulon	Memory 1		
0.124659283409104	-0.00219990185691583	40999152.5	
0.555007602069192	1.49040024935194e-14		
2.54984139045753e-14	100	100	

CREB3L4-regulon	Memory 1			
0.0102554650159618		-0.000878622699979249		36183738.5
0.4898210990772	0.0836613061172534		0.0935425627452755	
29.4500295683028	31.4203960169394			
CREB5-regulon	Memory 1			
0.035923746161122		-0.00337639255528517		35607032.5
0.482014200772194		0.0119419344478051		0.0141312890965693
	99.8225901833235	99.6154286368319		
CREM-regulon	Memory 1			
0.145884209258168		-0.00427464956029369		30374464.5
0.411180662972992		2.18905440470717e-35		
5.75640232348923e-35	100	100		
CTCF-regulon	Memory 1			
0.366139309685066		-0.00488291048598155		33636095
0.455333520099508		4.29295006614673e-10		
6.62607510209605e-10	100	100		
CUX1-regulon	Memory 1			
0.366139309685066		-0.00488291048598155		33636095
0.455333520099508		4.29295006614673e-10		
6.62607510209605e-10	100	100		
CUX1-regulon	Memory 1			
0.0776680747091794				0.00100755722203866
40947254.5		0.554305056217002		
3.19511071790667e-14		5.33771437579702e-14		100 100
DDIT3-regulon	Memory 1			
0.0806538429488696		-0.00441896309830397		33315187.5
0.450989379033153		7.3766276735597e-12		1.1769450894893e-11
	100	100		
E2F1-regulon	Memory 1			
0.416856052588706				-0.0216455268478831
28674609.5		0.388169639820371		
4.51877292723919e-55		1.64529680940504e-54		100 100
E2F2-regulon	Memory 1			
0.0518823504078892		-0.00211755510283239		36573782
0.495101137674038		0.493528255407165		0.511540235531514
	100	100		
E2F3-regulon	Memory 1			
0.0213781923119917				
0.000273066148122555		37986423.5	0.514224137143318	
0.0468015326654761		0.0531665411079808	100	100
E2F4-regulon	Memory 1			
0.37582257950443		-0.0237188586110978		
26666985	0.360992325372216		4.39204461157618e-84	
2.71161015149486e-83	100	100		
E2F6-regulon	Memory 1			
0.0595013789981437				-0.0133991794950249
27889158	0.377536943118735		1.11736534701135e-65	
5.28886264252038e-65	100	100		
E2F7-regulon	Memory 1			
0.0339640130976732				0.00352120860902794
45754366	0.619379167846364		1.67099869318228e-62	
7.19035801308738e-62	100	100		
E2F8-regulon	Memory 1			
0.0679080518765645		-0.00715520773848849		28544321
0.386405917802893		9.15583923697586e-57		
3.42139255697519e-56	100	100		
EGR1-regulon	Memory 1			
0.0466755921666811		-0.000817896010616839		35385176.5
0.479010924873633		0.0033503400587518		0.00410127834778238
	100	100		

EGR2-regulon	Memory 1			
0.0427975352968383		-0.00337619193260746		33729214.5
0.456594083483126		1.30484987078271e-09		
1.97115618777814e-09		100	99.9954217694861	
EGR3-regulon	Memory 1			
0.0387353431698709		-0.00284169961341336		34062263.5
0.461102584649377		5.4291599355235e-08		
7.70940710844337e-08		100	99.9954217694861	
ELF1-regulon	Memory 1	0.704460994408036		-0.0026836558793023
38336043	0.518956954006585		0.00805888748431649	
0.00969798324383849	100	100		
ELF2-regulon	Memory 1	0.0403358875621291		0.00797710343646459
47458545	0.642448725205792		3.33916959501722e-88	
2.49558990785497e-87		99.9408633944412	99.5192857960398	
ELF4-regulon	Memory 1	0.0226571501834917		0.00437301479252373
45511406.5		0.616090212800405		
3.31129651136744e-59		1.30612251281716e-58		99.8225901833235
98.2785853267712				
ELK1-regulon	Memory 1	0.0662568127722245		
0.000209654512982563		37042926.5	0.501451970510618	
0.839182348682212		0.839182348682212	100	100
ELK3-regulon	Memory 1	0.0775980321246631		0.0131838921807649
52620982	0.712332896109161		1.49667802349722e-193	
7.08427597788682e-192		100	100	
ELK4-regulon	Memory 1	0.0459637141884334		0.00100410002822406
38174206.5		0.516766165116686		0.0191073696294636
0.0220589145315759		97.2797161442933	96.7082522605013	
ESRRA-regulon	Memory 1	0.0816779417800863		-0.0104471098345089
30116498.5		0.40768856417716	4.37021476327304e-38	
1.19340480073995e-37		100	100	
ETS1-regulon	Memory 1	0.247696289872888		0.00494143346978934
43125422.5		0.583791026654656		
1.11446763277675e-31		2.51197466435395e-31	100	100
ETV2-regulon	Memory 1	0.0310386223711019		0.00253091467397989
42598347.5		0.576655985708123		
8.73783060876838e-27		1.8799574946138e-26	100	100
ETV3-regulon	Memory 1	0.0122613340966449		
0.000864495163845442		39000927	0.527957522359654	
9.03645207776226e-05		0.000116652381367476		86.6942637492608
84.2577543779329				
ETV5-regulon	Memory 1	0.0338515013721027		0.00040287280745633
38307827.5		0.518574999355298		0.00942591821530002
0.0112477343409462		100	100	
ETV6-regulon	Memory 1	0.477039082085373		0.0181402071458427
51635580	0.698993459370945		3.0114912779024e-170	
7.12719602436901e-169		100	100	
ETV7-regulon	Memory 1	0.0714374071872933		0.00764627688856276
50581736.5		0.684727526583891		
5.40209444526252e-147		9.58871764034097e-146	100	100
FLI1-regulon	Memory 1	0.162231140000031		0.0190079834633682

	52697401	0.713367383979185		2.01792905670376e-195
1.43272963025967e-193	100	100		
FOS-regulon	Memory 1	0.0915616855662657		0.00548870520146308
	46484766.5	0.62926663637526		5.74993394510488e-73
2.91603792930319e-72	100	100		
FOSB-regulon	Memory 1	0.0448344635572429		0.00349108167647573
	41356114	0.559839807957985		6.07567061368227e-17
1.0784315339286e-16		99.9408633944412		99.2995307313723
FOSL1-regulon	Memory 1			
	0.0525085459649091	-0.00860587044947174		31938206.5
	0.432349117556898	3.21506284638348e-21		
6.16944492143857e-21	100	100		
FOX01-regulon	Memory 1	0.018151246546934		0.00151055437191484
	38422982.5	0.520133858417477		0.00288264702103629
	0.00355944240858394	55.4109994086339		52.22387547213
FOX03-regulon	Memory 1			
	0.0142332826623249	-0.00572394066323638		33412174
	0.452302290191452	4.66010397271809e-13		
7.60614671409159e-13		39.4441159077469		47.043607645645
GABPA-regulon	Memory 1	0.0266262262309067		0.00118236157972437
	40103947.5	0.542889166684208		
2.04020705136536e-09		2.98669485869981e-09		100 100
GTF2B-regulon	Memory 1			
	0.0731778659803316	-0.00610668888852897		30627796
	0.414610024307805	7.78835603079818e-33		
1.87448568876838e-32	100	100		
HINFP-regulon	Memory 1	0.0164929797910091		
	0.000272592221024333	37238545		0.504100068043985
	0.556629433430131	0.572763619906367		63.4535777646363
63.225363397047				
HIVEP3-regulon	Memory 1	0.0865147514481661		0.00916845944835923
	43845201.5	0.593534711400572		
4.68224870033548e-39		1.30368493225027e-38		99.9408633944412
99.6841020945405				
HOXB2-regulon	Memory 1			
	0.0362306423476039	-0.000905839552624368		37420165.5
	0.506558673943012	0.358263570293966		0.382506969787543
	86.0437610881135	83.6396932585556		
IKZF1-regulon	Memory 1	0.145087493052685		0.00127071495637665
	38679284.5	0.523603431561106		
0.000970209432936968		0.00121920123431017		100 100
IRF1-regulon	Memory 1	0.143199466110083		0.00805728840086628
	48296838.5	0.653796746735388		
1.69666492369627e-102		1.50579011978044e-101		100 100
IRF2-regulon	Memory 1	0.0911379421937043		0.00635432349964388
	44557986	0.603183711246047		3.76941727340411e-47
1.1636027235291e-46	100	100		
IRF3-regulon	Memory 1	0.153150103737944		0.00800177213427275
	50114373.5	0.67840081000296		3.11442689591509e-137
3.68540516016619e-136	100	100		

IRF4-regulon	Memory 1			
0.0566107888321154		-0.00187129775455584		36668999
0.496390095021296		0.613873727225154		0.622643351899799
100		99.9954217694861		
IRF5-regulon	Memory 1			
40956340.5		0.55442805385878	2.24410066999436e-14	0.00594998613312915
3.79359875165713e-14		90.1833234772324	80.1030101865629	
IRF7-regulon	Memory 1			
50162470.5		0.679051901525808		0.00909600195148359
3.19543769927212e-138		4.12501957542401e-137	100	100
IRF8-regulon	Memory 1			
42548402.5		0.575979877715761		0.00290870200896071
2.41524435717286e-26		5.11887610027682e-26	100	100
IRF9-regulon	Memory 1			
44024086		0.59595627992915	5.16357059372498e-41	
1.49638168226316e-40		100	100	
JUN-regulon	Memory 1			
45093997.5		0.610439726045292		0.00663496173075061
9.36725722344743e-54		3.24426957495008e-53	100	100
JUNB-regulon	Memory 1			
47197925		0.63892069907766	5.56517659633219e-84	
3.16102030671668e-83		100	100	
JUND-regulon	Memory 1			
42457105		0.574743978838341	1.51414172515531e-25	0.00282357245998895
3.16188419076549e-25		100	100	
KLF11-regulon	Memory 1			
39680941		0.537162906288346	5.46451663256939e-09	0.00443840586928437
7.91797307984545e-09		47.2501478415139	40.6111937736065	
KLF12-regulon	Memory 1			
40256768		0.544957905525871	3.30550088775916e-10	0.00358526512793576
5.15803435232748e-10		99.7043169722058	98.5601465033764	
KLF13-regulon	Memory 1			
48346055.5		0.654462999754912		0.00422821993795067
2.27247126813289e-103		2.15127280049914e-102	100	100
KLF2-regulon	Memory 1			
56040051		0.758617006177024	4.20334400247474e-286	0.0215691045472405
5.96874848351413e-284		100	100	
KLF3-regulon	Memory 1			
47018590		0.636493032107786	3.88489440524527e-81	0.0143238122475104
2.12175002132626e-80		100	99.8580748540689	
KLF4-regulon	Memory 1			
2.77998627474102e-05		37195023	0.503510908527645	
0.599569455114542		0.612509803066655		50.7983441750443
49.7745221471901				
KLF6-regulon	Memory 1			
52496631.5		0.710649557098163		0.0179867491792418
1.5813116680079e-190		5.61365642142805e-189	100	100
KLF7-regulon	Memory 1			
45494594		0.615862621137143	5.54901273838323e-59	0.0100227791708375
2.12962110500113e-58		99.8817267888823	97.4659494105528	

KLF8-regulon Memory 1 0.0394442362508596 0.0148925024556783
 50303383 0.680959441168892 1.03017982446413e-142
 1.62539483415452e-141 93.4949733885275 77.0218610507039
 MAFB-regulon Memory 1 0.0576496840036503 0.00193903964551091
 40147898 0.543484126826732 1.21894438390277e-09
 1.86118389800208e-09 100 99.9977108847431
 MAFF-regulon Memory 1 0.0149550571803947 0.00266752545410287
 38760452 0.524702200115918 1.47693659665013e-05
 1.9785377049464e-05 32.8208160851567 28.3804509557056
 MAFG-regulon Memory 1 0.0262352007456857
 0.000859893200703211 37665785 0.509883637543575
 0.151799721311518 0.165812003278735 60.3784742755766
 58.532677120293
 MAX-regulon Memory 1 0.206670866991404 0.00934906290502149
 51694748 0.699794419581019 1.32457212244692e-171
 3.76178482774925e-170 100 100
 MAZ-regulon Memory 1
 0.130727189148534 -0.00579248916453165 29744261.5
 0.402649573071882 3.66042083989048e-42
 1.10591438141372e-41 100 100
 MEF2A-regulon Memory 1 0.0458004467541717 0.00524146188836162
 44580326.5 0.603486135725041
 2.04116841620308e-47 6.44102033557417e-47 100
 99.9977108847431
 MLX-regulon Memory 1 0.055588352927253 0.00276597299255444
 40593921.5 0.549521969516322
 4.46465897918846e-12 7.20433608005411e-12 100
 99.9885544237152
 MXD4-regulon Memory 1
 0.0834186211632023 -0.00908923127119934 39733549.5
 0.537875070214989 1.1728313367671e-07
 1.64893118634582e-07 92.3122412773507 88.460569989699
 MXI1-regulon Memory 1 0.0701652801464298 0.00512678538869384
 42244846 0.571870618014417 9.63732126026535e-24
 1.92746425205307e-23 100 100
 MYBL1-regulon Memory 1 0.0233818874214 -0.00676026210918884
 36087334 0.488516066482351 0.107071336319794
 0.11786147098768 83.6191602602011 79.9221700812636
 MYC-regulon Memory 1 0.289328526557362 -0.0265423710564726
 28969810.5 0.392165790695403
 2.47980303077996e-51 8.18911698536639e-51 100 100
 NFATC1-regulon Memory 1 0.0381182426580962 -0.0128795748339118
 30004592.5 0.40617368699239 2.70492731289071e-39
 7.68199356860962e-39 92.9036073329391 94.9021403227652
 NFE2L1-regulon Memory 1 0.159592173089926 -0.0239681770345664
 32474540 0.439609491286437 3.15396044184793e-17
 5.66914408534692e-17 100 99.9336156575484
 NFE2L2-regulon Memory 1 0.103629506734009 -0.0075317012225333
 31509326.5 0.426543347294319
 9.92856479997555e-25 2.04326985738627e-24 100 100

NFKB1-regulon	Memory 1			
0.0518270696449834		-0.00502914512042642		35033861
0.474255149172544		0.000320267179657026		
0.000406053031350873		100	99.9290374270344	
NFKB2-regulon	Memory 1	0.0778292263661702		0.00462499014135852
43317870.5		0.586396204969086		1.4228611765617e-33
3.60796941199573e-33		100	100	
NFYA-regulon	Memory 1	0.0233305179753796		0.00247432091002284
42016850.5		0.568784231393679		
6.98492177459192e-22		1.35871081094802e-21		99.7043169722058
98.9905001716836				
NFYB-regulon	Memory 1	0.0963982388746582		-0.0126999387904567
23971183.5		0.324499124051298		
7.14582086766003e-133		7.24790402291232e-132		100 100
NFYC-regulon	Memory 1			
0.0789857478242881		-0.00472507754227552		30427218
0.411894789771973		7.58029642018676e-35		
1.95709471212095e-34		100	100	
NR1H3-regulon	Memory 1	0.0105974931816127		0.00214296552660217
38541302.5		0.521735562244814		
2.87136074493117e-05		3.7753076461132e-05		26.0792430514488
21.9503261989241				
NR2C2-regulon	Memory 1	0.0270865161105466		0.00550551846707224
42712770.5		0.578204935649261		
3.52896280662189e-28		7.70942643908167e-28		84.6836191602602
75.6415245507611				
NR3C1-regulon	Memory 1	0.235481247242272		0.0103908930284868
49940197		0.676042973908621		1.10740038718067e-133
1.20962196138196e-132		100	100	
NRF1-regulon	Memory 1	0.0272978986033293		
0.000590747680615712		39033905	0.528403947214437	
7.18758979599594e-05		9.36364909203141e-05		100
99.9656632711457				
PAX5-regulon	Memory 1	0.105897963333955		0.00584822661567609
43265377		0.585685597803262		4.73619954976827e-33
1.15955230356396e-32		100	100	
POU2F1-regulon	Memory 1	0.00521557210429092		
0.000348581612405605		37616972	0.509222853492495	
0.0561602232985761		0.0632916802253794		19.9881726788882
18.2831635572851				
POU6F1-regulon	Memory 1	0.0375813773036258		0.00683392312634582
41624101.5		0.563467568306434		1.2900828943739e-19
2.41041803948808e-19		73.4476641040804		65.0406317958109
REL-regulon	Memory 1			
0.258701857025966		-0.00520406161694126		32694332.5
0.442584833481079		1.01644537963234e-15		
1.76018590131454e-15		100	100	
RELA-regulon	Memory 1	0.0975211783166015		0.00566794036372426
47441275		0.64221494034188		6.40719182574827e-88
4.54910619628127e-87		100	100	

RELB-regulon Memory 1
 0.0989254659114843 -0.00650046168359579 27992574
 0.378936890743886 3.15769800127072e-64
 1.40122848806388e-63 100 100
 REST-regulon Memory 1 0.226756089757294 0.00845261622168492
 50349555 0.68158447386933 4.20751479867747e-142
 5.97467101412201e-141 100 100
 RFX5-regulon Memory 1 0.066849954403977 0.00155960061050424
 43175321.5 0.584466511942691
 3.64331301211193e-32 8.481154880654e-32 100 100
 RXRA-regulon Memory 1 0.0146905003794419
 0.000166569039669783 37390587 0.506158268291753
 0.378277158559726 0.400860869518516 65.1685393258427
 64.2279958795925
 SETDB1-regulon Memory 1
 0.0595799209303088 -0.000142932569100099 36826728.5
 0.498525287244369 0.836688678838646 0.839182348682212
 94.2637492607924 95.0829804280646
 SOX5-regulon Memory 1 0.00983836277643753 0.00211383423940743
 38379481.5 0.519544983179199
 0.000186327571487963 0.000238365001362979 25.7835600236546
 22.3669451756896
 SP1-regulon Memory 1 0.0149580488322778 0.00204020623717699
 40177574 0.543885852340424 2.25304272687351e-10
 3.55480074684487e-10 66.7060910703726 59.5559116401511
 SP2-regulon Memory 1
 0.0277405441658109 -0.000518952371214479 35646446
 0.482547743316132 0.0147164483759533 0.0172705427221931
 100 100
 SP3-regulon Memory 1 0.0318775157288466 0.00374726238514814
 46509728 0.629604541463884 2.44042635597069e-73
 1.28348349091792e-72 100 100
 SP4-regulon Memory 1 0.00992666879436827 0.00133863041150851
 38298524 0.518449057405014 0.00129345896535656
 0.00161115064105817 32.2885866351271 28.8886345427492
 SPI1-regulon Memory 1 0.430555300711557 0.0124773072990722
 45654717 0.618030214290834 3.85844630120132e-61
 1.56542678505882e-60 100 100
 SPIB-regulon Memory 1
 0.560154508292411 -0.00446303293410211 33044402.5
 0.447323748785642 1.80492754169869e-13 2.9802291967583e-13
 100 100
 SREBF1-regulon Memory 1 0.0449700828356721 0.004196594701636
 41681973.5 0.564250984498926
 2.69714548867391e-19 4.97395661547656e-19 97.043169722058
 96.8890923658006
 SREBF2-regulon Memory 1 0.104814035637188 0.00605712900153968
 47202369 0.638980857730539 4.72468170006405e-84
 2.79543667253789e-83 100 100
 SRF-regulon Memory 1 0.0233233747937771 0.00265306895359621

	41883133	0.566974090829684		7.90308397153185e-21	
1.49631723194336e-20		98.9355410999409	97.89630307886		
STAT1-regulon	Memory 1	0.0847148069594519		0.0051377626107508	
	46257722	0.626193123489646		1.2610463956444e-69	
6.17477890281053e-69		100	100		
STAT2-regulon	Memory 1	0.0684685427999388		0.00232067120857277	
	39397758	0.53332944368746	3.18644434804149e-06		
4.35072209059511e-06		100	99.9610850406318		
STAT5A-regulon	Memory 1				
	0.065260264580662	-0.00659327123076443		30903580	
0.41834332627128	3.59815036149544e-30		7.98339611456801e-30		100
	100				
TBP-regulon	Memory 1	0.0210789548422794		0.00018456776749335	
	37332178.5	0.505367589471613		0.422312607190593	
	0.444210297933809		50.7983441750443	49.8500629506696	
TCF12-regulon	Memory 1	0.0119639675674613		0.00303329419576482	
	39368219.5	0.532929579518226			
1.60055610246168e-09		2.39241017420588e-09		31.0467179183915	
24.9948494906719					
TFDP1-regulon	Memory 1	0.50888577998557	-0.0200237347427396		
	26240755	0.355222428293735		4.77652454073332e-91	
3.98980285167136e-90		100	100		
TFDP2-regulon	Memory 1				
	0.0267061476368906	-0.000433147946001515		37530607	
0.508053726117174		0.260309484995818		0.280029900525804	
	99.9408633944412	99.9977108847431			
TFEC-regulon	Memory 1	0.0964921778073385		0.00514226614612524	
	43191605.5	0.584686949274709			
2.52466430974802e-32		5.97503886640365e-32		100	100
THAP1-regulon	Memory 1	0.0380743197695079			
	0.000944401159772727	39154393.5	0.530035006136007		
2.69329633896548e-05		3.57428112273924e-05		100	100
THAP11-regulon	Memory 1	0.181387203039689		0.00302211648907955	
	42277062	0.57230672763664	5.18383907059086e-24		
1.05157878289129e-23		100	100		
TP53-regulon	Memory 1				
	0.0893924363105866	-0.00931125269442681		27924274.5	
0.378012316956232		3.48995959546867e-65			
1.59862665340823e-64		100	100		
USF2-regulon	Memory 1	0.132144529767724		0.00712380312899275	
	47585691.5	0.644169913810276			
2.66534492292548e-90		2.10266099475232e-89		100	100
XBP1-regulon	Memory 1	0.196043664567344			
	0.000782976649378458	44852348	0.607168504535623		
1.00981192950643e-50		3.25893849977075e-50		100	100
YBX1-regulon	Memory 1	0.0919794684400941		-0.0033283283530272	
	30567541.5	0.413794356092251			
1.96623233921421e-33		4.89833319593715e-33		100	100
YY1-regulon	Memory 1	0.62694461856428	-0.0130116094409021		
28962104.5		0.392061474183457		1.98846543735104e-51	

6.72290695485353e-51	100	100	
YY2-regulon	Memory 1	0.057467541112343	0.00671575617994892
	41339656	0.559617015179163	7.67497120050232e-17
1.34548877835967e-16	94.9733885274985	90.3582465377132	
ZBTB33-regulon	Memory 1	0.374936316393466	0.00946295278560327
	45675851	0.618316306318276	1.98849535386458e-61
8.30489236025797e-61	100	100	
ZNF143-regulon	Memory 1	0.026475878848795	0.00326688816109869
	45142857	0.611101139569225	2.2256178686998e-54
7.90094343388431e-54	100	99.9931326542291	
ZNF274-regulon	Memory 1	0.0692346246600355	0.00404379141442672
	43143211	0.584031830479306	7.48864707062285e-32
1.71514174843298e-31	100	100	
ZNF76-regulon	Memory 1	0.0155047091922372	
	0.000984283230952711	40105980	0.542916680739559
1.99247370471693e-09	2.94720068822712e-09	99.4677705499704	
99.4597687993591			
ATF1-regulon	Memory 2		
	0.102651772960789	-0.00375742540161711	42098469.5
	0.441677534847002	2.05328957290996e-20	
	3.31326271992289e-20	100	100
ATF3-regulon	Memory 2		
	0.0476156593851464	-0.00358034138031871	43891563
	0.460489836724869	3.54593820990759e-10	
	4.75021911138564e-10	100	100
ATF4-regulon	Memory 2		
	0.104523728537579	-0.00444416756033325	43602622
	0.457458402325663	1.43732432124041e-11	
	2.02079261006078e-11	100	100
ATF5-regulon	Memory 2		
	0.110903594435036	-0.00791499124845711	40931457
	0.429433783227109	3.92354943465326e-29	
	7.14287204770209e-29	100	99.9976834692365
ATF6-regulon	Memory 2		
	0.134552624544514	-0.00195652568076635	53987318.5
	0.566409801384345	5.44264089011137e-26	
	9.66068757994769e-26	100	100
ATF6B-regulon	Memory 2	0.058634011702825	0.00140591208900521
	54936558.1015625	0.576368781180446	
	7.73365995945389e-34	1.44497330821375e-33	99.9547101449275
99.9189214232765			
BACH1-regulon	Memory 2	0.0484740919327763	0.00545678358650052
	55122534.5	0.578319958935296	
	1.69960604638016e-35	3.30608299432852e-35	100
99.5413269088213			
BATF-regulon	Memory 2	0.0131116106642568	-0.0064979325893957
	43027154	0.451420860090942	2.67438354422803e-16
	4.04002620511043e-16	44.8822463768116	52.0663454410675
BATF3-regulon	Memory 2	0.0677935936544815	-0.0161561824887027
	35323119	0.370593712985867	8.51080123120205e-94

3.55451110244321e-93	100	100	
BCL11A-regulon	Memory	2	0.220550175851185
66651848.5			0.699280151704228
1.08811390142725e-219	1.71680193336299e-218	100	100
BHLHE40-regulon	Memory	2	0.0609151899141922
56664004.5			0.594492344243522
7.12148008988388e-51	1.77412311011142e-50	100	100
BRF2-regulon	Memory	2	
0.0380448110394954	-0.00374999956755624		41951181
0.440132252503868	2.00299634047046e-21		
3.26925839479086e-21	99.5923913043478	99.7359154929577	
CEBPB-regulon	Memory	2	
0.138022782621967	-0.00532852501347786		42347283
0.444287970205386	9.14559542591144e-19		
1.42711489063673e-18	100	100	
CEBPG-regulon	Memory	2	0.0578478585645441
36464054	0.382563871621222		1.39485340174582e-77
4.71593292971207e-77	100	100	
CLOCK-regulon	Memory	2	0.0160611384984345
0.000490267786820431	48786186	0.511841941595224	
0.0454204110703588	0.0499976617983795		54.2119565217391
50.933561897702			
CREB1-regulon	Memory	2	0.0466293742104347
54217777	0.568827664631477		8.52703063704889e-28
1.53270677273537e-27	100	99.9930504077094	
CREB3-regulon	Memory	2	
0.234550972215748	-0.00551752451388232		45575643.5
0.478158424978983	0.000525002170762806		0.0006061000670595
100	100		
CREB3L2-regulon	Memory	2	
0.125756835396691	-0.00107255822902649		55637332.5
0.583720979786758	2.57897295013001e-40		
5.54869937755245e-40	100	100	
CREB3L4-regulon	Memory	2	0.0127502492519033
49386103	0.518135991350947		0.000463607030853458
0.000544067755216455	34.2391304347826	31.1990363232024	
CREB5-regulon	Memory	2	
0.0331844616391291	-0.00629622598331132		41721961
0.437727383021911	4.75552144531569e-23		
8.13595235222684e-23	99.5471014492754	99.6270385470719	
CREM-regulon	Memory	2	
0.143014429651403	-0.00734241070881217		33611205
0.352633108613063	4.62583964877336e-121		
2.43284900046599e-120	100	100	
CTCF-regulon	Memory	2	
0.368095006073021	-0.00288566218681074		46521908.5
0.488086196640896	0.0585593020440193		0.0634764953454256
100	100		
CUX1-regulon	Memory	2	
0.0766135224197752	-8.88673887891184e-05		50636381.5

0.531253331062126	6.98009152258002e-07		
9.01066360187602e-07	100	100	
DDIT3-regulon	Memory 2	0.08025601068728	-0.00489006763462052
42245997	0.443225324666822	1.99039795728837e-19	
3.14040566594388e-19	100	100	
E2F1-regulon	Memory 2	0.41708960037541	-0.0216592701996917
36979552	0.387972236546664	9.06910470238214e-71	
2.92684742667787e-70	100	100	
E2F2-regulon	Memory 2		
0.0523295860836938	-0.00167280459233509	48820710.5	
0.512204156569614	0.0526738430545602	0.0575360439519042	
100	100		
E2F3-regulon	Memory 2	0.0215263662171904	
0.000432089367194011	49563146	0.519993444050075	
0.00150225697144196	0.00170656391955806	100	100
E2F4-regulon	Memory 2	0.372762884982345	-0.0272191215034274
31698531	0.332566223823202	1.08092748589358e-155	
9.0289237056993e-155	100	100	
E2F6-regulon	Memory 2	0.0583099974843684	-0.0148119737724525
33141784	0.347708162111494	3.743137008351e-129	
2.12610182074337e-128	100	100	
E2F7-regulon	Memory 2	0.0322795040573547	0.00179271024536439
53982404.5	0.566358245985016		
5.93752866618066e-26	1.0409000871576e-25	100	100
E2F8-regulon	Memory 2		
0.0679203178213638	-0.00722800849111968	36701420	
0.385054205141221	2.09562757364116e-74		
6.92044454551267e-74	100	100	
EGR1-regulon	Memory 2	0.0488416856670487	0.00144919550242961
52439117	0.550166792313281	1.65622624428459e-15	
2.47562238619381e-15	100	100	
EGR2-regulon	Memory 2		
0.0429081621289933	-0.00330034148999467	43632862.5	
0.457775671567304	2.03177862207667e-11		
2.82855455230281e-11	100	99.9953669384729	
EGR3-regulon	Memory 2		
0.0376190385457217	-0.00404913561520936	41840186.5	
0.438967749904989	3.33342713992091e-22		
5.56878416316199e-22	100	99.9953669384729	
ELF1-regulon	Memory 2	0.701076818941126	-0.0062730692428149
45472550	0.477076815992254	0.00027328930652933	
0.000328873572264109	100	100	
ELF2-regulon	Memory 2	0.0503189491539399	0.0185663261307441
74853503	0.785328090839564	0	0
99.5112120088955		100	
ELF4-regulon	Memory 2	0.0232452574962272	0.00504357646020397
60915546	0.639097537527798	4.52462716044273e-108	
2.00780330244646e-107	99.411231884058	98.2811341734618	
ELK1-regulon	Memory 2		
0.0647745324955556	-0.00134593199672182	45027983.5	

0.472412631328829		1.18737838539562e-05		
1.49210381173609e-05		100	100	
ELK3-regulon	Memory 2	0.0752402969862147		0.0108634576601761
		64743138	0.679254850110388	3.73933314897977e-178
4.8271391559557e-177		100	100	
ELK4-regulon	Memory 2	0.0490705031683292		0.0042818237232376
		51854819.5	0.544036615076855	
2.71825907669397e-12		3.93870192745453e-12		98.4148550724638
96.6433469236471				
ESRRA-regulon	Memory 2	0.0814755004516001		-0.0107850252696884
		38290399	0.401725032750373	6.99226135953887e-55
1.80527475100822e-54		100	100	
ETS1-regulon	Memory 2	0.249014085809825		0.00638581425042123
		56824564.5	0.596176864983522	
1.22171014493656e-52		3.0979078675177e-52		100 100
ETV2-regulon	Memory 2	0.0326539805526621		0.00425920821857136
		59594422	0.625236919826549	5.69219352425444e-88
2.07254225754905e-87		100	100	
ETV3-regulon	Memory 2	0.0122154726791133		
		0.000826641575951458	50011231	0.524694543176776
8.5600824089299e-05		0.000105698408875482		85.9148550724638
84.2684395848777				
ETV5-regulon	Memory 2	0.0337348402995698		
		0.000285069629505058	48732310.5	0.511276704941462
0.0733994420033792		0.078960005791514		100 100
ETV6-regulon	Memory 2	0.480545876921689		0.0220436265673373
		70797445	0.742773819391847	0 100 100
ETV7-regulon	Memory 2	0.0665561049771942		0.0026068763155904
		56022029.5	0.587757041540097	
4.00927067114382e-44		9.03676881432417e-44		100 100
FLI1-regulon	Memory 2	0.16590506588172	0.0230974754078194	
		72356200	0.759127550869673	0 0 100 100
FOS-regulon	Memory 2	0.0907628763971774		0.00471477302328956
		58157541.5	0.610161838840298	
1.71412635226219e-68		5.40902093380512e-68		100 100
FOSB-regulon	Memory 2	0.0512601996187911		0.0102872985212577
		60809254	0.637982371368754	2.24269174275493e-106
9.6503705294303e-106		100	99.2888250555967	
FOSL1-regulon	Memory 2			
		0.0519249137558606	-0.00932242275998324	39972071.5
0.419368357390002		1.60945669473671e-37		
3.26489786646589e-37		100	100	
FOX01-regulon	Memory 2	0.0205483068455114		0.00404831300605419
		52773859	0.553678749472905	1.8022360668207e-19
2.87547776953414e-19		61.0960144927536	51.8949221645663	
FOX03-regulon	Memory 2			
		0.0184943388961257	-0.00131348823685454	46805347
0.491059901372863		0.123476946399493		0.129879454731318
		45.4710144927536	46.8263528539659	
GABPA-regulon	Memory 2	0.0264493261958532		0.00101057379585975

	51055433.5	0.535649829474799		
1.51439617473184e-08		1.9911505260363e-08	100	100
GTF2B-regulon	Memory 2			
0.0727940243522081		-0.00658330017172716	38731909	
0.406357150039347		5.3854490019173e-50		
1.31850647977975e-49		100	100	
HINFP-regulon	Memory 2	0.0170827226415701		
0.000895764519146205		49074353.5	0.514865260792683	
0.0154778314801381		0.0173059218124378	65.036231884058	
63.1416790214974				
HIVEP3-regulon	Memory 2			
0.0736188279286228		-0.00427727192877184	44550020	
0.467398060895886		2.26659363652053e-07		
2.95281005858637e-07		99.6829710144928	99.6942179392142	
HOXB2-regulon	Memory 2	0.0437838639337602	0.00702287300400839	
55199401	0.579126406453116		2.40878857208773e-36	
4.81757714417545e-36		91.4402173913043	83.3348776871757	
IKZF1-regulon	Memory 2	0.148118072914542	0.00447152461733086	
57029882	0.598330960567946		6.08298884034676e-55	
1.59960076912822e-54		100	100	
IRF1-regulon	Memory 2	0.144462747250747	0.00948168293251053	
64471281	0.676402653082396		1.35531112891876e-172	
1.6037848358872e-171		100	100	
IRF2-regulon	Memory 2	0.0937139134309851	0.00913815541477009	
61333185.5		0.643479216648336		
7.33940212424465e-115		3.47398367214247e-114	100	100
IRF3-regulon	Memory 2	0.152152576367605	0.00704905517348989	
62697573.5		0.657793740087598		
1.6589938232197e-138		1.12179582331998e-137	100	100
IRF4-regulon	Memory 2			
0.0548330565732627		-0.00376237076967828	43781241	
0.459332389682776		1.07102725225648e-10		
1.46236413288866e-10		100	99.9953669384729	
IRF5-regulon	Memory 2	0.0544871312376547	0.00782304491063734	
53784956.5		0.564286713529413		
1.25113793477898e-24		2.16660471632458e-24	90.8967391304348	
79.9457931801334				
IRF7-regulon	Memory 2	0.118211097641975	0.0109071450258862	
67573109	0.708945587797859		2.6283433399875e-241	
4.66530942847781e-240		100	100	
IRF8-regulon	Memory 2	0.0819802556336336		
0.000217935784376552		50410996	0.528888691368271	
4.50746930919778e-06		5.71482715987576e-06	100	100
IRF9-regulon	Memory 2	0.0389256339023564	0.00526563921981543	
59643469.5		0.625751503352927		
1.11324667075404e-88		4.16002703281772e-88	100	100
JUN-regulon	Memory 2	0.097125686030694	0.00917169830952898	
62722504.5		0.658055304528113		
5.84708603592965e-139		4.15143108551005e-138	100	100
JUNB-regulon	Memory 2	0.171950249784595	0.0127901277198784	

	63691709.5	0.668223751985838		
3.80548426777236e-157		3.6025251068245e-156	100	100
JUND-regulon	Memory 2	0.0413632611358769		0.00305419055792216
	55044124	0.577497312488585		8.63933250926179e-35
1.63571362175357e-34		100	100	
KLF11-regulon	Memory 2	0.0311771479601429		0.00971331061243029
	54731326	0.574215581556655		5.85704401564272e-40
1.24134365704667e-39		52.8985507246377		40.2427724240178
KLF12-regulon	Memory 2	0.0471629839220571		
	0.000119157279924453	47912289.5		0.502673426530052
	0.671241425135885	0.676002002619118		99.411231884058
98.5614343958488				
KLF13-regulon	Memory 2	0.0713186929486918		0.00528369945669099
	65033188	0.682297919621083		3.49506389078142e-184
4.96299072490961e-183		100	100	
KLF2-regulon	Memory 2	0.13396230937478		0.026398495308037
	77285154	0.81083984060254	0	0
			100	100
KLF3-regulon	Memory 2	0.090492261534873		0.0194074105158366
	64047340.5	0.671954866804517		
4.20489380403053e-164		4.26496371551668e-163		100
99.8563750926612				
KLF4-regulon	Memory 2	0.0171781703411169		0.00134376651361553
	48897296.5	0.513007661212076		0.027138280557366
	0.0301065299933279	50.9963768115942		49.7521312083024
KLF6-regulon	Memory 2	0.0966588079587203		0.0286742209962231
	77399747.5	0.812042102233203	0	0
	100			100
KLF7-regulon	Memory 2	0.0598166638579935		0.0145246989960436
	63317925.5	0.664302184345825		
5.32045236446343e-150		4.19724575418782e-149		99.8188405797101
97.440233506301				
KLF8-regulon	Memory 2	0.0344586673391022		0.00983028620358606
	59853793	0.627958119557831		9.09065091443759e-93
3.68820694242897e-92		90.5797101449275		76.9736842105263
MAFB-regulon	Memory 2	0.0577060853443626		0.00202154869695846
	52090995.5	0.54651446367109		1.52632043558136e-13
2.25768231096409e-13		100		99.9976834692365
MAFF-regulon	Memory 2	0.0153716782330775		0.00313740377939722
	50912356	0.534148726982413		1.02691523873458e-11
1.4582196390031e-11		34.8731884057971		28.2222942920682
MAFG-regulon	Memory 2	0.0270545347934932		0.00173143384511752
	49270115	0.516919099275765		0.0053225903023919
0.00599847478523531		61.231884057971		58.4669199406968
MAX-regulon	Memory 2	0.207025198807899		0.00983348715509463
	67862543.5	0.71198219976922		2.61396293786077e-248
5.30261053108899e-247		100	100	
MAZ-regulon	Memory 2			
	0.131077839872096	-0.00549327654559409		39207567
	0.411347532240065	5.42133180147648e-45		
1.24165986420913e-44		100	100	

MEF2A-regulon Memory 2 0.0447838950079873 0.00423568871752717
55581032 0.583130301162428 8.99341426512904e-40
1.87803650830636e-39 100 99.9976834692365

MLX-regulon Memory 2 0.0550962930907693 0.00228187136396072
51595668 0.541317718237342 5.38858023916457e-11
7.42891644622688e-11 100 99.9884173461824

MXD4-regulon Memory 2 0.0753958877186663 -0.0176311763542812
47541586.5 0.498784183307079 0.846825330116003
0.846825330116003 89.9909420289855 88.5331727205337

MXI1-regulon Memory 2 0.072396216802355 0.00753323298286582
57348182.5 0.601670421167115
1.30024531990497e-58 3.55066991204818e-58 100 100

MYBL1-regulon Memory 2
0.0218764898545213 -0.00842362329120189 45042374
0.472563609752527 1.22385978907508e-05
1.52445693025141e-05 83.4692028985507 79.8855633802817

MYC-regulon Memory 2 0.284426677841506 -0.0320128281813543
32865257.5 0.344806974864298
4.81244563309241e-134 2.84736366624634e-133 100 100

NFATC1-regulon Memory 2 0.0395998017239955 -0.0114764872693937
39900111.5 0.418613386585004
3.37380713045659e-38 6.94319728296864e-38 93.4329710144928
94.8989992587102

NFE2L1-regulon Memory 2 0.161514774632954 -0.0222342903571772
41936438 0.439977575814344 1.58155475236042e-21
2.6114043585486e-21 100 99.9328206078577

NFE2L2-regulon Memory 2
0.102560196031835 -0.00874590924592733 38975273
0.408910411781808 2.11242702409558e-47
4.99941062369286e-47 100 100

NFKB1-regulon Memory 2 0.0499270868640804 -0.0070865414949056
43329501.5 0.45459294924414 5.63542399707548e-13
8.24979595448162e-13 99.9547101449275 99.9305040770941

NFKB2-regulon Memory 2 0.073637549090267
0.000274303795725184 49763178 0.522092086630193
0.000452445615216561 0.000535393978006263 100 100

NFYA-regulon Memory 2 0.0270650354185051 0.0064294887984991
62831258.5 0.659196300844493
6.05879210788809e-141 4.52814989115847e-140 100
98.9668272794663

NFYB-regulon Memory 2 0.0968609062496662 -0.0123657068025561
31646102 0.332016163173741 1.05323376585774e-156
9.34744967198741e-156 100 100

NFYC-regulon Memory 2
0.078828271558169 -0.00494719828312014 38882853.5
0.407940789431718 2.22957950721941e-48
5.36610661059588e-48 100 100

NR1H3-regulon Memory 2 0.0112858333946394 0.00289217880225892
50624785 0.531131665985137 1.00183292564915e-11
1.43697247921394e-11 27.7173913043478 21.8170867309118

NR2C2-regulon	Memory 2	0.0290463369513252	0.0076315188265665
57442629.5		0.602661315102908	
1.54087135913859e-60		4.46538230607509e-60	85.6884057971015
75.4818383988139			
NR3C1-regulon	Memory 2	0.231572015375916	0.00640615402107275
57044498		0.598484304832619	4.15197415910994e-55
1.11241571810115e-54	100	100	
NRF1-regulon	Memory 2		
0.0253599542435728		-0.00143924552540338	45349603.5
0.475786918575958		0.000120958354947781	0.00014680415728705
99.9094202898551		99.9698851000741	
PAX5-regulon	Memory 2	0.108256598326853	0.00839754450388108
59661170		0.625937208755009	6.16778491158249e-89
2.36709583093166e-88	100	100	
POU2F1-regulon	Memory 2		
0.00396730250071042		-0.000959360957054524	47340369.5
0.496673108258869		0.433902953526466	0.440101567148272
17.8894927536232		18.3700889547813	
POU6F1-regulon	Memory 2	0.0365093360813738	0.00578889430303725
52505868.5		0.550867117962111	
1.59400450143014e-16		2.43385633551699e-16	71.5126811594203
65.0389177168273			
REL-regulon	Memory 2		
0.254975000304526		-0.00918386958691914	36040201.5
0.378117008598358		2.01155337320002e-83	
7.14101447486006e-83	100	100	
RELA-regulon	Memory 2	0.096563000336543	0.00472863410448215
58977561.5		0.618765106760174	
2.63948679361396e-79		9.14163718763861e-79	100
RELB-regulon	Memory 2		
0.0967295325847011		-0.00888656734812816	31056095
0.325826084522486		2.59528686660333e-168	
2.83485180813595e-167	100	100	
REST-regulon	Memory 2	0.225671996097605	0.00741430471048563
62660174		0.657401361952224	7.90413741860617e-138
5.10176142473671e-137	100	100	
RFX5-regulon	Memory 2		
0.0622171305241673		-0.00329150907385947	45650083
0.478939409543167		0.000826774212914088	
0.000946789824466133	100	100	
RXRA-regulon	Memory 2		
0.014367427727935		-0.00017103354653444	48268822.5
0.506414004712629		0.297235326908995	0.31034865015498
66.8025362318841	64.1331541882876		
SETDB1-regulon	Memory 2	0.0604809234106772	
0.000802443459693734		48641664.5	0.510325689327373
0.1011189522699	0.107961588137789		94.429347826087
95.0843217197924			
SOX5-regulon	Memory 2	0.00905364928606905	0.00131429969907231
49191598.5		0.516095340726424	

0.000473092865951921	0.000550649073485023	25.3623188405797
22.3475722757598		
SP1-regulon	Memory 2	0.00175572179169999
51328138	0.538510918078072	2.57144275591812e-10
3.47757020324164e-10	65.625	59.5255744996294
SP2-regulon	Memory 2	
0.0280680360326866	-0.00018092483749883	47036421
0.493484222159329	0.300915087216365	0.311897389669517
100	100	
SP3-regulon	Memory 2	0.00416935009906336
61154626	0.64160585353751	6.23073776177067e-112
2.85407987797237e-111	100	100
SP4-regulon	Memory 2	0.00957597167458425
0.000986027544000867	49378415	0.518055332435594
0.000347958410740497	0.000415210876681937	32.6086956521739
28.8315418828762		
SPI1-regulon	Memory 2	0.0164047497325999
62572816.5	0.656484847748534	
2.98531619336879e-136	1.84310825851465e-135	100 100
SPIB-regulon	Memory 2	
0.559280476491772	-0.00543522194014223	41759735
0.438123690236864	8.89649583693979e-23	
1.50393143910173e-22	100	100
SREBF1-regulon	Memory 2	0.0409935562856367
6.69331636064599e-05	48233563.5	0.506044083706328
0.337256911591642	0.347032474246472	96.9655797101449
96.8912157153447		
SREBF2-regulon	Memory 2	0.00405214189389147
56251751	0.590167172526482	1.75504251122437e-46
4.08550879662065e-46	100	100
SRF-regulon	Memory 2	0.00318200896906649
55205428.5	0.579189644175839	
2.98905848071873e-36	5.89508755919527e-36	99.320652173913
97.8641586360267		
STAT1-regulon	Memory 2	0.010030905899469
70087100.5	0.735321215737167	
1.70338178723144e-305	4.03133689644773e-304	100 100
STAT2-regulon	Memory 2	0.00680751685651472
55978999.5	0.587305590821099	
1.09107841681604e-43	2.42083023731058e-43	100
99.96061897702		
STAT5A-regulon	Memory 2	
0.0643858850562288	-0.00759133846869496	37951643
0.398170962572249	8.64336823741101e-59	
2.40658488178895e-58	100	100
TBP-regulon	Memory 2	-0.0013373988831463
47178724	0.494977198958434	0.39370328528415
0.402200478491722	49.6829710144928	49.8957561156412
TCF12-regulon	Memory 2	0.00226591028412874
49900158.5	0.523529222238225	

9.71355120918517e-07 1.24263447901288e-06 29.2119565217391
 25.0162157153447
 TFDP1-regulon Memory 2 0.50834893415244 -0.020827853242232
 33305679 0.349427672118236 2.68287701871131e-126
 1.46526360252695e-125 100 100
 TFDP2-regulon Memory 2
 0.026160653384405 -0.00101173126440569 46728060
 0.490249042164889 0.1215971243315 0.128856654142336 100
 99.9953669384729
 TFEC-regulon Memory 2 0.101935640674514 0.0109257428570806
 61453177.5 0.644738116826675
 7.51477874304239e-117 3.81106636254292e-116 100 100
 THAP1-regulon Memory 2 0.0381277511902077 0.00101187613070668
 51175497 0.536909479797837 4.63112132380055e-09
 6.14597409326802e-09 100 100
 THAP11-regulon Memory 2 0.181442551064343 0.00311648977928428
 55062067 0.577685562087725 5.9640778879649e-35
 1.14445818931218e-34 100 100
 TP53-regulon Memory 2
 0.0892288140632645 -0.00959475993908734 35621500
 0.373724187468441 2.09668346905665e-89
 8.27025146127902e-89 100 100
 USF2-regulon Memory 2 0.13209679517886 0.0071589449357341
 61335157.5 0.643499905953887 6.80933210056584e-115
 3.33422468372534e-114 100 100
 XBP1-regulon Memory 2 0.196092870896818
 0.000844077125053438 58151350 0.610096880505957
 2.05404245143039e-68 6.34073974137206e-68 100 100
 YBX1-regulon Memory 2
 0.0920212501742367 -0.00332427112985402 39611761.5
 0.415588152682543 5.91745343007109e-41
 1.29273598010784e-40 100 100
 YY1-regulon Memory 2 0.626967829193125 -0.0131430446842875
 37388030 0.392257797476123 1.34738227706752e-65
 3.98600590299142e-65 100 100
 YY2-regulon Memory 2 0.0563147928157428 0.00558447697402103
 52751842.5 0.553447762608978
 2.08047087499308e-17 3.2111615679241e-17 94.2028985507246
 90.3423832468495
 ZBTB33-regulon Memory 2 0.373889585789909 0.00847601567300094
 57936066 0.60783822104538 1.03704367204485e-65
 3.13319577511422e-65 100 100
 ZNF143-regulon Memory 2 0.0253115510454914 0.00208213192445545
 54457833 0.571346220378622 9.61858704991561e-30
 1.77381735206236e-29 100 99.9930504077094
 ZNF274-regulon Memory 2 0.0702456759101156 0.00515498724663789
 57370151 0.601900904437399 7.18180418602977e-59
 2.03963238883246e-58 100 100
 ZNF76-regulon Memory 2 0.0151196276328832
 0.000591293367932833 50013085.5 0.524713999727052

8.71978499225595e-05	0.000106742195594857	99.6829710144928
99.4486656782802		
ATF1-regulon	Memory 3	0.112318504998996
92691059	0.657474534324634	4.54478725166107e-203
2.68899912389946e-202	100	100
ATF3-regulon	Memory 3	0.0582126545599008
94234885.5	0.668425176383492	0.00776500026996162
5.4458488345634e-232	3.86655267254001e-231	100
ATF4-regulon	Memory 3	0.121611797920629
97940013	0.694706319397253	0
ATF5-regulon	Memory 3	0.124101617050706
77791318.5	0.551787965927617	0
1.53070617686947e-23	2.55717973077018e-23	100
99.9976202375003		
ATF6-regulon	Memory 3	0.134351057934091
79717556.5	0.565451122285	1.30765947524198e-36
2.61531895048397e-36	100	100
ATF6B-regulon	Memory 3	
0.0569216490947047	-0.000404791714806604	75836528.5371094
0.537922285306211	2.42789787386975e-13	
3.62906840094216e-13	100	99.9143285500107
BACH1-regulon	Memory 3	0.0552891618714063
95117008	0.674682231661119	2.18705092350689e-249
1.72534017298877e-248	99.9403874813711	99.5335665500583
BATF-regulon	Memory 3	
0.0164374044230455	-0.00308397078651715	70188225.5
0.497857844904813	0.660611209317124	0.672710486350415
53.4128166915052	51.5813521810523	
BATF3-regulon	Memory 3	0.0978673467170506
96663057	0.685648638316567	2.10250131797365e-281
2.13253705108756e-280	100	100
BCL11A-regulon	Memory 3	
0.195838875009165	-0.00935299633962036	49760116.5
0.352957553584289	2.54369734447902e-177	
1.29001793898579e-176	100	100
BHLHE40-regulon	Memory 3	0.0632230574827012
89756324	0.636657925384054	1.94133291056299e-153
8.35361434242258e-153	100	100
BRF2-regulon	Memory 3	0.0501857492939443
92764025	0.657992095429115	2.15893810394905e-204
1.33290961200333e-203	100	99.7072892125366
CEBPB-regulon	Memory 3	0.156381738640658
102685331	0.728365722752136	0
100		0
CEBPG-regulon	Memory 3	0.0761159417064469
87179942	0.618383179427248	1.21099507482221e-115
4.09431668154174e-115	100	100
CLOCK-regulon	Memory 3	0.0174340704546422
74302584	0.527041737806847	2.752352898984e-08
3.61883436718267e-08	55.3502235469449	50.7531948311558

CREB1-regulon	Memory 3			
0.0391484048091994		-0.00412800719833852		59684969.5
0.423356340423217		1.48974838823394e-49		
3.46793887097081e-49		100	99.9928607125009	
CREB3-regulon	Memory 3			
90580513		0.243323884626271		0.00380522061170877
5.22942495583333e-166		0.642504047812869		1.14163502556925e-166
		100	100	
CREB3L2-regulon	Memory 3			
0.124183018446414		-0.00280130676486505		76441835
0.542215834102678		3.59996419364741e-16		
5.67994350553258e-16		100	100	
CREB3L4-regulon	Memory 3			
0.0104739296212114		-0.000677508453411031		70198717.5
0.49793226656844		0.627362968602152		0.645547402474678
31.3263785394933		31.3486114085814		
CREB5-regulon	Memory 3			
81639586.5		0.0429023182929491		0.00402565337036617
1.20902119291796e-52		0.579084430533296		
99.6120987125485		2.96001740335087e-52		99.7615499254843
CREM-regulon	Memory 3			
78507564.5		0.152745908403394		0.00296562181700477
4.74121992022858e-28		0.556868429031528		
		8.3117682521553e-28		100 100
CTCF-regulon	Memory 3			
82982243.5		0.374253634986006		0.00368591133660179
3.40434402906424e-65		0.58860814075256		1.27063544746764e-65
		100	100	
CUX1-regulon	Memory 3			
0.0696476141968901		-0.00761336662527975		52194801
0.37022721341054		1.45039477079709e-138		5.56637993116722e-138
		100		100
DDIT3-regulon	Memory 3			
80983545.5		0.0904236891952161		0.0059559301379027
7.79715672433584e-47		0.574431012440696		
		1.78580041105756e-46		100 100
E2F1-regulon	Memory 3			
82387246		0.440169242212463		0.00267186530586727
2.70606740388668e-59		0.584387715304224		1.08623832409536e-59
		100	100	
E2F2-regulon	Memory 3			
0.0528832555107985		-0.00112059029336811		75638296.5
0.536516189424981		1.77908533624103e-12		
2.60443420356934e-12		100	100	
E2F3-regulon	Memory 3			
0.000646878614892644		0.0217143522114026		
1.16279075123453e-06		74040082		0.525179763393443
		1.50105715159367e-06		100 100
E2F4-regulon	Memory 3			
96501147.5		0.419010342123782		0.0219778105754248
5.84706409392674e-278		0.684500184795119		
		5.53522067558398e-277		100 100
E2F6-regulon	Memory 3			
96154732		0.0814081794164875		0.00972608504182688
9.68676559143199e-270		0.68204299666929		1.15968320460805e-270
		100	100	
E2F7-regulon	Memory 3			
0.0296539122061545		-0.000993577972160774		67225268.5

0.476841052186986	7.76066196081354e-06		
9.83941070031717e-06	100	100	
E2F8-regulon	Memory 3		
0.0741174356391858	-0.000733401214706067		79868012
0.566518330501912	9.31866713332874e-38		
1.91775468540968e-37	100	100	
EGR1-regulon	Memory 3		
0.0443016755928644	-0.00341373660020712		55961922
0.396948087591291	4.2395524975505e-88		
1.28088607372802e-87	100	100	
EGR2-regulon	Memory 3		
0.0428027202653895	-0.00350428765243505		64143645.5
0.454982539955627	3.55272119312738e-18		5.7328001070919e-18
100	99.9952404750006		
EGR3-regulon	Memory 3		
0.0394302433320419	-0.00220384707297054		67033895
0.475483605156474	2.2036866265559e-06		
2.81913063937781e-06	100	99.9952404750006	
ELF1-regulon	Memory 3		
0.703949338734892	-0.00334243342404739		71818204
0.509419578763595	0.0689428686363551		0.0747319644760491
100	100		
ELF2-regulon	Memory 3		
0.0344151140105099	0.0018994965123077		
76573238	0.543147899473016		7.99714623576512e-17
1.27594917469511e-16	99.9403874813711		99.5026296375622
ELF4-regulon	Memory 3		
0.000314392380620473	72729210.5		0.515881513504833
0.00216570371656994	0.00248008006252365		98.956780923994
98.2865710002142			
ELK1-regulon	Memory 3		
0.0661450817096798			
9.73048881657834e-05	70808168		0.502255209773582
0.663235690768014	0.672710486350415		100 100
ELK3-regulon	Memory 3		
0.0621887058817043	-0.00293365835377036		62809515
0.445519309751128	7.02513420209015e-26		
1.20189042975518e-25	100	100	
ELK4-regulon	Memory 3		
0.046318132141083	0.00142657668195421		
73556559	0.521750046841599		2.67249699353488e-05
3.27150494036166e-05	97.7049180327869		96.6516741629185
ESRRA-regulon	Memory 3		
0.100167400846117	0.00910486902881155		
95113556	0.674657745997486		2.56570220525843e-249
1.91752480603525e-248	100	100	
ETS1-regulon	Memory 3		
0.230310747650951	-0.0136365113332594		
53975849.5	0.382860514246461		
2.87815971167128e-113	9.50462044319352e-113		100 100
ETV2-regulon	Memory 3		
0.029680789698241	0.001164893557247		
76123171.5	0.539955495958642		
1.21104180013412e-14	1.86921669151136e-14		100 100
ETV3-regulon	Memory 3		
0.0111604722953626	-0.000290027221208437		70245489

0.498264025321808	0.736993565567364	0.736993565567364
85.3651266766021	84.2673901144666	
ETV5-regulon	Memory 3	
0.0314034666631489	-0.00222466205848885	60030155.5
0.425804807482002	1.50331549389483e-46	
3.38842539893754e-46	100 100	
ETV6-regulon	Memory 3	
111538394.5	0.483512332868005	0.0258486275119316
100	0.791162111797696	0 0 100
ETV7-regulon	Memory 3	
0.0564385241133953	-0.00824734567202911	49171247
0.34878059515413	2.02947767621928e-187	1.06735492601162e-186
100		100
FLI1-regulon	Memory 3	
0.135689020476303	-0.00890058441996813	53252764
0.377731537325511	3.1595125661267e-123	
1.09427020582925e-122	100 100	
FOS-regulon	Memory 3	
0.0782235976118692	-0.00869696085987438	48563117.5
0.344467022042169	3.82712106296971e-198	
2.1738047637668e-197	100 100	
FOSB-regulon	Memory 3	
82570120	0.046549495651811	0.00548128791223351
4.52098314577021e-61	0.58568487383588	1.75108502124902e-61
	100	99.2694129125913
FOSL1-regulon	Memory 3	
96176110.5	0.0689489272625316	0.00880634185706542
4.1382533465883e-271	0.682194638256771	
FOX01-regulon	Memory 3	
66014454.5	3.67269984509712e-270	100 100
8.50501399019194e-11	0.0138234643824534	-0.0031029455690815
52.6451060184194	0.468252528338059	
	1.1957544421854e-10	48.5543964232489
FOX03-regulon	Memory 3	
0.0130525323586143	-0.00722562703540262	62165878
0.44095387548579	3.6713166946312e-35	7.24065236996708e-35
38.628912071535	47.4096285190738	
GABPA-regulon	Memory 3	
0.0237764346550689	-0.00184813966671324	62219519.5
0.441334364398242	9.58493170199122e-30	
1.70132537710344e-29	100 100	
GTF2B-regulon	Memory 3	
82449831	0.0841578463408511	0.00550812414610659
6.75457102409542e-60	0.58483164208826	2.66377448837566e-60
	100 100	
HINFP-regulon	Memory 3	
67567140.5	0.0146738010274089	-0.0016810372052468
4.01165761534458e-05	0.479266012441228	
63.392113467076	4.86884941349513e-05	61.2518628912072
HIVEP3-regulon	Memory 3	
47980780.5	0.0608204749646278	-0.0182142104832217
1.07428832704887e-208	0.340336399822231	
99.7287070750339	6.93404283822453e-208	99.2548435171386

H0XB2-regulon	Memory 3	0.0445867849377067	0.00808159551919539
		84041336 0.596120476416394	3.23222023253339e-77
		9.36684230652532e-77	93.204172876304 82.9727993146284
IKZF1-regulon	Memory 3	0.146968818641144	0.00335256687778099
		81323032 0.576839051909713	8.49635198328e-50
		2.0108033027096e-49	100 100
IRF1-regulon	Memory 3	0.133673675202171	-0.0019099889209109
		68744151 0.487614761918594	0.0167831987153596
		0.0186188610748521	100 100
IRF2-regulon	Memory 3	0.0924418800081111	0.00801399548674393
		88947743.5 0.630922516883635	
		5.38418830952748e-141	2.12376316653584e-140 100 100
IRF3-regulon	Memory 3		
		0.145004432647623	-0.000477393581987534 69358638
		0.491973429933958	0.121184094303775 0.130364707508606
		100 100	
IRF4-regulon	Memory 3		
		0.0577719774452538	-0.000691500628209774 72765856
		0.516141446699119	0.0018288947119728 0.00212871351721424
		100 99.9952404750006	
IRF5-regulon	Memory 3	0.065146331658197	0.0195468237544304
		91025983.5 0.64566385106361	2.4393472735347e-175
		1.19443900979975e-174	93.919523099851 79.4055353275743
IRF7-regulon	Memory 3		
		0.102651214751946	-0.00559733489304098 57940161
		0.410980096496355	3.23512151640351e-66
		8.83437029479421e-66	100 100
IRF8-regulon	Memory 3	0.0708466040499732	-0.0117986892820306
		44128741 0.313013183281328	1.91709019998416e-285
		2.09405237229039e-284	100 100
IRF9-regulon	Memory 3	0.0311706404735021	-0.0029647906519763
		61562100.5 0.436671171901098	
		2.20433656562991e-34	4.22994313945198e-34 100 100
JUN-regulon	Memory 3	0.0907889644969754	0.00257939592850552
		74978255.5 0.531834398605112	
		7.90637769802297e-10	1.07952464723006e-09 100 100
JUNB-regulon	Memory 3	0.164264562352458	0.00483992481119117
		78915021 0.559758592068667	8.43013782534371e-31
		1.53471739897283e-30	100 100
JUND-regulon	Memory 3		
		0.0351213497216986	-0.00360271469801695 58293962
		0.413489671316496	1.22592713120666e-62
		3.22373430798788e-62	100 100
KLF11-regulon	Memory 3	0.0277530400955549	0.00628095176349551
		77999759 0.553266472292205	7.49951824178568e-31
		1.38302803939424e-30	50.1639344262295 40.1156564574855
KLF12-regulon	Memory 3		
		0.0418650283337243	-0.00559854004703382 60864207
		0.431720886416489	1.0876844902181e-39
		2.30524175538762e-39	98.4798807749628 98.6125984626734

KLF13-regulon	Memory 3				
0.0642305808011599		-0.00222611167416222		68229600	
0.483964958121323		0.00196050222069559		0.00226334402714451	
100	100				
KLF2-regulon	Memory 3	0.108885204726454			
3.97787995264215e-05		70206417.5	0.497986884068433		
0.697494329367944		0.702441097661333		100	100
KLF3-regulon	Memory 3				
0.0637535302653351		-0.00893642638059339		62023240.5	
0.439942121764325		4.29917336706765e-31			
8.03266602794219e-31		99.9403874813711	99.8572142500178		
KLF4-regulon	Memory 3				
0.0133039319128551		-0.00280311582449381		66263328	
0.470017833323066		5.87082225418432e-10			
8.09375495237062e-10		45.8122205663189	50.1320768187335		
KLF6-regulon	Memory 3	0.0919138109022553		0.0243330664556009	
109061171.5		0.77359071865671	0	0	100 100
KLF7-regulon	Memory 3	0.0526294881187278		0.00716015611042795	
83105543.5		0.589482730070633		6.8842723987577e-67	
1.91679741298744e-66		99.8211624441133	97.3751219628281		
KLF8-regulon	Memory 3				
0.0211769772425511		-0.00424350146318983		65754849	
0.46641109932579	6.93078846985817e-11		9.8417196271986e-11		
79.2846497764531	77.504105090312				
MAFB-regulon	Memory 3				
0.0543944148230213		-0.00149934907370309		67242678.5	
0.476964544482425		8.67384958819344e-06			
1.08042687852936e-05		100	99.9976202375003		
MAFF-regulon	Memory 3				
0.00973869509776975		-0.00285968435779026		66947952.5	
0.474873999378141		1.14799925637617e-09			
1.55253232767063e-09		24.3517138599106	28.8807976963899		
MAFG-regulon	Memory 3	0.0340753205593024		0.00936002739428835	
83435074.5		0.591820153368068			
1.47362666726068e-75		4.18509973502033e-75		70.521609538003	
57.6497465552938					
MAX-regulon	Memory 3	0.206172062253408		0.00918064894254103	
98889088	0.701438280930502	0		0	100 100
MAZ-regulon	Memory 3	0.139307240384566		0.00324322400070517	
86231061.5		0.611652597517862			
4.39495675231168e-103		1.356704040931e-102		100	100
MEF2A-regulon	Memory 3	0.0370396152368518		-0.0040112855081228	
59546949	0.422377335922203		8.80979356437215e-51		
2.12032319684889e-50	100	99.9976202375003			
MLX-regulon	Memory 3				
0.0501103937106586		-0.00303982168992756		64856679.5	
0.46004021975954	1.20321122021855e-14		1.86921669151136e-14		100
99.9881011875015					
MXD4-regulon	Memory 3	0.0650572240347398		-0.0292765480160743	
61048256.5		0.433026382983372			

2.63171761089849e-38	5.49564559922919e-38	86.3189269746647
88.7865591014017		
MXI1-regulon	Memory 3	0.0651444333549318
71217553	0.505159052011855	0.319180530021108
0.338236084052219	100	100
MYBL1-regulon	Memory 3	0.0153515441132921
51956960.5	0.368540167500523	-0.0156994576090197
2.93860074239907e-143	1.19223230120191e-142	70.9388971684054
80.7881773399015		
MYC-regulon	Memory 3	0.338783594605951
100482645.5	0.712741674014316	0.0258101827222286
100		0 0 100
NFATC1-regulon	Memory 3	
0.0443039755605785	-0.00670998811157271	65839808
0.467013728959805	1.89462233015268e-10	
2.63761147923217e-10	95.618479880775	94.7645225006544
NFE2L1-regulon	Memory 3	0.246287759657233
106222129.5	0.753452877563773	0.0687001528360357
99.9309868875086		0 0 100
NFE2L2-regulon	Memory 3	0.121927267197322
96987454.5	0.687949648765143	0.0119287216124538
2.27945914868784e-288	2.69735999261394e-287	100 100
NFKB1-regulon	Memory 3	0.0718596676528152
97566824	0.692059221968038	5.07542695675693e-301
7.20710627859484e-300	100	99.9262273625092
NFKB2-regulon	Memory 3	0.0854426599175957
97233178.5	0.689692613774016	0.0130294342151479
1.05936645652541e-293	1.3675457893328e-292	100 100
NFYA-regulon	Memory 3	0.0271287280953456
94065574.5	0.667224222676824	0.00667376529254244
1.00539377520285e-228	6.79837695613355e-228	99.8509687034277
98.9505247376312		
NFYB-regulon	Memory 3	
0.107913613550512	-0.000768072743856055	80320360
0.569726917110602	2.57049721249147e-41	
5.53046369960286e-41	100	100
NFYC-regulon	Memory 3	0.083721495335875
0.000201667419896204	76052221	0.539452231162114
2.58240721313287e-14	3.9010832368603e-14	100 100
NR1H3-regulon	Memory 3	0.00886155387611659
0.000353286859032919	71477246.5	0.507001105224125
0.0626692465233423	0.0684541000485739	23.4873323397914
21.9937650222508		
NR2C2-regulon	Memory 3	0.0314710519311139
90802844	0.64408108201949	1.06773713114148e-172
5.05395575406969e-172	89.2399403874814	74.919683015635
NR3C1-regulon	Memory 3	
0.225458442456475	-2.06712836653689e-05	66329902
0.470490054809371	1.21238830509262e-08	
1.60896391890796e-08	100	100

NRF1-regulon Memory 3 0.02675255993512 2.52617743278297e-05
 73038877.5 0.518078037838649 0.000481888935140516
 0.000565522551983085 100 99.9643035625045
 PAX5-regulon Memory 3
 0.0939533409390099 -0.00681848138043396 54104482
 0.383772927956574 1.53569587463888e-111
 4.9561094136073e-111 100 100
 POU2F1-regulon Memory 3
 0.0035052700433607 -0.00148446916015399 68501780
 0.485895580348354 5.46590678656152e-05
 6.57761664145538e-05 15.8569299552906 18.5454891601818
 POU6F1-regulon Memory 3
 0.0239647572214828 -0.00759924373701015 62948988.5
 0.446508620645323 5.07013631724853e-26
 8.77999215913769e-26 61.1624441132638 65.6885842792889
 REL-regulon Memory 3 0.271397747468979 0.00829940489293668
 89612302 0.635636351152364 3.49419621221571e-151
 1.45934077098421e-150 100 100
 RELA-regulon Memory 3 0.0966675185225917 0.00497056966698337
 88346830.5 0.626660131718258
 4.30467113361778e-132 1.60858763414138e-131 100 100
 RELB-regulon Memory 3 0.106424670966103 0.00134007424646036
 76081024.5 0.539656539624588 1.901095001406e-14
 2.90274720644787e-14 100 100
 REST-regulon Memory 3 0.220268251003001 0.00178149897264457
 73752548.5 0.52314023599938 7.89287180766407e-06
 9.91847607688759e-06 100 100
 RFX5-regulon Memory 3 0.0541675886649839 -0.012073579284231
 40461358.5 0.286999772415261 0 0 100
 100
 RXRA-regulon Memory 3
 0.0128857299349103 -0.00177570013072244 67683730
 0.480093002962716 8.33310289860763e-05
 9.94370261850658e-05 63.2488822652757 64.344018466957
 SETDB1-regulon Memory 3 0.0617825602176684 0.00222990768953839
 74216144.5 0.526428606717151
 3.33735577507454e-07 4.34774789046408e-07 95.8271236959762
 94.9905999381262
 SOX5-regulon Memory 3 0.00818592548802169
 0.000413170899058953 71631308 0.50809389145467 0.0325313567459177
 0.0358097105265141 23.9940387481371 22.3745270222032
 SP1-regulon Memory 3 0.01174432752535 -0.00134931126227555
 68658086.5 0.487004290772079 0.00946310656154532
 0.0105807963129089 59.9403874813711 59.8129506675234
 SP2-regulon Memory 3 0.0291475930608751
 0.000979886635870904 75562394 0.535977799192094
 3.73581986810883e-12 5.35844869971166e-12 100 100
 SP3-regulon Memory 3
 0.0263242039903747 -0.00210104272029949 60226951
 0.427200713744327 7.02095751938914e-45

1.55777494961447e-44	100	100	
SP4-regulon	Memory 3		
0.00802631558360923	-0.000660440202866496		70060045
0.496948637312881	0.462254808646567		0.48264840314568
28.822652757079	29.0307227338712		
SPI1-regulon	Memory 3		
70070303.5	0.419517133888741		0.0010519338332699
0.58583361953295	0.497021402718554		0.565205675183198
	100	100	
SPIB-regulon	Memory 3		
73236051	0.566883441711856		0.00262641272493414
0.000200522210319583	0.519476625323702		0.000169455389002465
	100	100	
SREBF1-regulon	Memory 3		
77469580	0.0440122522209264		0.00332847189658183
1.93962403680062e-21	0.549505816249494		1.18836120564545e-21
	97.973174366617	96.8087384878989	
SREBF2-regulon	Memory 3		
61165619.5	0.0968067288683867		-0.0023496316486728
	0.433858860080995		
2.38171545197659e-37	4.8314799168668e-37		100 100
SRF-regulon	Memory 3		
80331460.5	0.023344628091218		0.00278107867167673
	0.569805654975365		
2.09041656587823e-41	4.56675619007244e-41		99.3144560357675
97.8248970752719			
STAT1-regulon	Memory 3		
75835317	0.0812343997218916		0.001582927603796
	0.537913691653215		2.46816748311942e-13
3.65083106878081e-13	100	100	
STAT2-regulon	Memory 3		
0.064978137711991	-0.00135651458852046		68319304
0.484601244903061	0.00294622937843916		0.00334691657390688
	100	99.9595440375051	
STAT5A-regulon	Memory 3		
90385365	0.0780030506791472		0.00690582347609345
	0.641119827567587		1.73835289281217e-163
7.71394096185401e-163	100	100	
TBP-regulon	Memory 3		
0.0171184883655577	-0.00408479769459981		66511031.5
0.471774839285346	5.57407842206256e-09		
7.46716165974419e-09	46.7064083457526	50.1392161062326	
TCF12-regulon	Memory 3		
0.000242904381051377	0.00926865788952966		
	71187066	0.504942802177791	
0.210862354896403	0.225131236054806		26.1400894187779
25.1469503343566			
TFDP1-regulon	Memory 3		
86369843.5	0.536974479190212		0.00951467035228215
	0.612637003476829		
7.10682137856909e-105	2.24259696834847e-104		100 100
TFDP2-regulon	Memory 3		
0.0234843015099297	-0.00392938192518155		56530537
0.400981377170332	1.74863373821613e-81		
5.17304147555604e-81	100	99.9952404750006	
TFEC-regulon	Memory 3		
116810856	0.119890613550329		0.0306124870152405
	0.828560639841884		0 0 100
100			
THAP1-regulon	Memory 3		
	0.0386016568970594		0.00155123900346138

	78066884.5	0.553742605668282	3.1560834743138e-25
	5.33528396848286e-25	100	100
THAP11-regulon	Memory 3	0.182912162220483	0.00478850352474133
	87754720	0.622460184285829	1.31548527079311e-123
	4.66997271131553e-123	100	100
TP53-regulon	Memory 3	0.105314357508374	0.00751317251647379
	87985393.5	0.624096393361761	7.036514728892e-127
	2.56201305513504e-126	100	100
USF2-regulon	Memory 3		
	0.123360359187739	-0.00207960744740295	61595172
	0.436905754063569	3.8455959774688e-34	
	7.28099505067427e-34	100	100
XBP1-regulon	Memory 3		
	0.189885536106624	-0.00583581785549053	67303944
	0.477399111813052	1.27747343644474e-05	
	1.57740198239263e-05	100	100
YBX1-regulon	Memory 3	0.0964794724883297	0.00139916136195592
	78817583.5	0.559067450165344	
	3.94170500893069e-30	7.08509001605264e-30	100 100
YY1-regulon	Memory 3	0.658095421087987	0.0201110553506564
	92061774.5	0.653010904951328	
	7.75981978197145e-192	4.2380554193844e-191	100 100
YY2-regulon	Memory 3		
	0.0463231415130338	-0.00505248488844114	65357150
	0.463590148010233	2.01788031175627e-12	
	2.92386739050398e-12	90.521609538003	90.5309250136836
ZBTB33-regulon	Memory 3	0.371477814287913	0.00610304611735879
	79519939	0.564049385427221	3.93882091715618e-35
	7.66181603063256e-35	100	100
ZNF143-regulon	Memory 3	0.0236233273983958	
	0.000315952373914945	72650141.5	0.515320662711721
	0.00309426822227553	0.00348719117113592	100
	99.9928607125009		
ZNF274-regulon	Memory 3		
	0.0651867440610479	-0.000167145049390346	71203359
	0.50505837138914	0.328716095880484	0.345760634185398
	100		100
ZNF76-regulon	Memory 3		
	0.0132431299571716	-0.00141888594812511	63370398.5
	0.449497758394949	1.82106518484559e-22	
	3.00687507265202e-22	99.4634873323398	99.4597939125675
ATF1-regulon	Memory IgA	0.106316782578359	
	9.21200895805108e-05	19641820.5	0.526884979625202
	0.0075984762546704	0.0110100370220734	100 100
ATF3-regulon	Memory IgA	0.051277164388243	
	0.000260182633532662	20046410.5	0.537737965167279
	0.00017896006277143	0.00032167504953852	100 100
ATF4-regulon	Memory IgA	0.108901157921124	
	0.000152325163638209	19506287.5	0.523249354203234
	0.0209753409984477	0.0280990417149016	100 100

ATF5-regulon Memory IgA 0.122153426884688
 0.00378989324012713 20327604 0.545280882664068
 6.92633902327541e-06 1.53678147078923e-05 100
 99.9977547767125
 ATF6-regulon Memory IgA 0.137191772245964
 0.000792444049342866 23360574 0.626639244362458
 2.93436367318274e-36 2.97628315422821e-35 100 100
 ATF6B-regulon Memory IgA 0.0594977516043622
 0.0022426070372108 22601493.3867188 0.606277171841605
 4.91729080412276e-26 2.79302117674173e-25 100
 99.9191719616516
 BACH1-regulon Memory IgA 0.0477844922854887
 0.00458625385093355 21202337 0.568745290094249
 8.74842528860427e-12 2.70060084996045e-11 100
 99.5554457890837
 BATF-regulon Memory IgA
 0.0152686118590692 -0.00410037647462289 17999926.5
 0.482841746120612 0.0705346883223296 0.0894279084086678
 50.179211469534 51.745661105997
 BATF3-regulon Memory IgA
 0.0750768585472359 -0.00823872691121702 16606021
 0.44545071757685 6.08792574439539e-08 1.51664115035815e-07 100
 100
 BCL11A-regulon Memory IgA 0.211326155966397
 0.00695409868942229 21194364.5 0.56853143056427
 1.01409750205518e-11 3.06386904876247e-11 100 100
 BHLHE40-regulon Memory IgA 0.0622241712459117
 0.00669651801697203 22877560 0.613682562391523
 1.51200648740717e-29 1.2629701247754e-28 100 100
 BRF2-regulon Memory IgA 0.0419074443239423
 0.000300654854909044 18930391.5 0.507801144999497
 0.438590990227366 0.486561879783485 99.5221027479092
 99.7328184287927
 CEBPB-regulon Memory IgA
 0.142335334096877 -0.000770907116376479 19243383.5
 0.516197046160637 0.107790494264422 0.130822651158529
 100 100
 CEBPG-regulon Memory IgA
 0.0618244549276307 -0.00635347420125029 16538863
 0.44364922766599 2.20533673919645e-08 5.592103874391e-08 100
 100
 CLOCK-regulon Memory IgA
 0.0148980353475552 -0.000709784430562754 18588599
 0.49863268047766 0.885127115360791 0.891404612632853
 51.8518518518518 51.0788297896226
 CREB1-regulon Memory IgA 0.0447769116722757
 0.00183964922736404 19822461.5 0.531730611403808
 0.00162973125376806 0.00262979361403482 100
 99.9932643301376
 CREB3-regulon Memory IgA

0.239529386668522	-0.000275712611559037	20836362
0.558928138449964	4.886967352541e-09	
1.26172611647422e-08	100 100	
CREB3L2-regulon Memory IgA		
0.126056466714423	-0.000734280584593572	22012602
0.590480365924721	2.61577726359417e-19	
1.09247168067757e-18	100 100	
CREB3L4-regulon Memory IgA		
0.010503305500968	-0.000609277774556058	18421661
0.494154626891503	0.480386831400736	0.524730231222343
30.2270011947431	31.3680145490469	
CREB5-regulon Memory IgA		
0.0381754792536638	-0.00101760407666217	19328755
0.518487106852215	0.0664191455494744	0.0857410788002306
99.7610513739546	99.62055726442	
CREM-regulon Memory IgA		
0.148158371625168	-0.00187578693900725	17222391.5
0.461984641116884	0.000160299812477496	
0.000295617835997461	100 100	
CTCF-regulon Memory IgA		
0.367143939166948	-0.00376577554974733	17767721.5
0.476612928038609	0.0202274428479501	0.0275641543572578
100 100		
CUX1-regulon Memory IgA		
0.0760374030576295	-0.000673077967982508	19258649.5
0.516606551282576	0.0991755315392714	0.121404529987729
100 100		
DDIT3-regulon Memory IgA		
0.0817214718258304	-0.00324654067285823	17334824
0.46500060368877	0.000510681536985432	0.000873696123517244
100		100
E2F1-regulon Memory IgA		
0.424956911216472	-0.0129773968714213	16968154
0.45516480891205	8.5198425902858e-06	1.8330570421524e-05
100		100
E2F2-regulon Memory IgA		
0.0521925244824719	-0.00176094963647519	18879029.5
0.506423377275599	0.523619457197971	0.559052352797834
100 100		
E2F3-regulon Memory IgA		
0.021037102312448	-7.96696185042384e-05	18644795
0.500140118564421	0.988900948488648	0.988900948488648
100 100		
E2F4-regulon Memory IgA		
0.388306625013098	-0.0105454161392146	16974079.5
0.455323758381463	9.16864640096912e-06	
1.94320565513077e-05	100 100	
E2F6-regulon Memory IgA		
0.0666008830297811	-0.00590933925998749	17759082.5
0.476381189878748	0.0190213994870075	0.0262236769626705

100	100				
E2F7-regulon	Memory	IgA	0.0325388597366733		
0.00200175664421414			21313359	0.571723416495921	
1.0682088161056e-12			3.37079226415546e-12	100	100
E2F8-regulon	Memory	IgA			
0.0694744872133794			-0.00542213970256533	16172489.5	
0.433821386398287			5.00201019469079e-11		
1.42057089529219e-10	100	100			
EGR1-regulon	Memory	IgA			
0.0459639561845478			-0.00152722291809606	16991983.5	
0.455804026932701			1.14282817422901e-05		
2.38649412853704e-05	100	100			
EGR2-regulon	Memory	IgA			
0.0432758361223441			-0.00282416682722567	17382869.5	
0.466289407457677			0.000816544151015251	0.00138034844576388	
100	99.9955095534251				
EGR3-regulon	Memory	IgA			
0.0369081757634262			-0.00464871676164255	15935524	
0.427464869565269			5.9329190936168e-13		
2.00589169355616e-12	100	99.9955095534251			
ELF1-regulon	Memory	IgA			
0.703175550910986			-0.00394179912457548	18889759	
0.506711192368344			0.505185343756885	0.547605487125783	
100	100				
ELF2-regulon	Memory	IgA	0.0418496081197217		
0.00936631598471628			24516661	0.657650874645911	
3.16115538798225e-55			5.61105081366849e-54	100	
99.5262578863468					
ELF4-regulon	Memory	IgA	0.022128435122568		
0.00375051475351767			22396411.5	0.600775921807001	
1.43336768109682e-23			7.26922181127673e-23	99.6415770609319	
98.3115920878331					
ELK1-regulon	Memory	IgA	0.0677307722272363		
0.00170729341992992			20032007	0.537351596306814	
0.000208375049121076			0.00036986571218991	100	100
ELK3-regulon	Memory	IgA	0.0767948948506576		
0.0121128712582556			25739460	0.690452031045885	
9.43763498862769e-80			2.68028833677026e-78	100	100
ELK4-regulon	Memory	IgA	0.0481960826907064		
0.00325916753613933			19949160.5	0.535129267858974	
0.000486563536296804			0.000842585636026173	97.9689366786141	
96.7062574373021					
ESRRA-regulon	Memory	IgA			
0.0887019251754153			-0.00309081305314605	19001034.5	
0.50969611881904	0.335684687700437		0.384413110108564	100	
100					
ETS1-regulon	Memory	IgA			
0.242534012940636			-0.000412603716969634	19547477.5	
0.524354261577311			0.0156003170788473	0.0217180884823168	
100	100				

ETV2-regulon	Memory	IgA	0.0306865443806063		
0.00212369196964644			21051744	0.564705685428445	
1.32191337006688e-10			3.68062154018621e-10	100	100
ETV3-regulon	Memory	IgA	0.0117719766505414		
0.000349365449565377			19312700	0.518056437080649	
0.0724515548496549			0.0910453167137256		86.4994026284349
84.3081344439704					
ETV5-regulon	Memory	IgA			
0.0329881913499068			-0.000484385751216503		17982679.5
0.482379101365072			0.080191079316331		0.0998871338852544
100	100				
ETV6-regulon	Memory	IgA	0.478299365946858		
0.0190763508310668			26718597	0.716717039337519	
1.0598006391293e-102			5.01638969187867e-101	100	100
ETV7-regulon	Memory	IgA	0.0691992614363216		
0.00521945944634526			23671360	0.634975970343524	
5.90393699887737e-41			7.62144594400533e-40	100	100
FLI1-regulon	Memory	IgA	0.156761236582049		
0.0130708237747341			23762632.5	0.637424323300565	
2.16612797822831e-42			3.0759017290842e-41	100	100
FOS-regulon	Memory	IgA	0.08837161783687	0.00213344649491135	
20894189			0.560479327542481		1.91339409478736e-09
5.0315178048112e-09	100	100			
FOSB-regulon	Memory	IgA	0.047419319077031		
0.00605757442023276			21985125	0.589743304989602	
5.07494194914138e-19			2.00178265771688e-18		99.8805256869773
99.3129616740385					
FOSL1-regulon	Memory	IgA			
0.0575707482673738			-0.00328352587414474		19126118.5
0.513051453462865			0.195017506748757		0.234682084392572
100	100				
FOX01-regulon	Memory	IgA			
0.0163442865912668			-0.000359326594922584		18712917.5
0.501967480851156			0.836114400359682		0.854160034899819
52.9271206690562			52.331664384023		
FOX03-regulon	Memory	IgA			
0.0120390897027962			-0.00784961601304603		16168791
0.433722175426619			9.2247698555481e-13		
3.03407216657055e-12			37.037037037037	46.9431284941287	
GABPA-regulon	Memory	IgA			
0.024614889597078			-0.000889443981372546		17602147
0.47217144986407			0.00572558095781532	0.00846908850010183	100
100					
GTF2B-regulon	Memory	IgA			
0.0782117011839087			-0.000861164325599462		18456349.5
0.495085133797201			0.625552709812226		0.648383100681286
100	100				
HINFP-regulon	Memory	IgA	0.016864190006283		
0.00064551671652193			19108656	0.512583027995037	
0.199975475173158			0.238626197265449		65.4719235364397

63.1918094254474
HIVEP3-regulon Memory IgA 0.0817573445775812
0.00414585098098103 20496128.5 0.549801493559012
7.6225450440862e-07 1.77442851845941e-06 99.8805256869773
99.6901591863311
HOXB2-regulon Memory IgA 0.0380267661687676
0.000941406714401474 19690782 0.528198354774411
0.00501818040521813 0.00750085913201025 89.3667861409797
83.6233413412964
IKZF1-regulon Memory IgA 0.145595703780099
0.00176411129204629 20123058 0.539794007603662
7.77774135966173e-05 0.00014924855041513 100 100
IRF1-regulon Memory IgA 0.139647825541106
0.00428441144466499 22010927 0.590435434634321
2.72403824641265e-19 1.1051812314017e-18 100 100
IRF2-regulon Memory IgA 0.0897453557289104
0.00481372771403608 21581505.5 0.578916352771307
4.6658385233861e-15 1.74355018505481e-14 100 100
IRF3-regulon Memory IgA 0.15316987175109 0.00786848400391205
24981618 0.670123183894007 5.19325465194339e-64
1.0534888008228e-62 100 100
IRF4-regulon Memory IgA 0.0586269772720634
0.000218660595058526 19835258.5 0.532073886462465
0.00144946005987533 0.00239329451746857 100
99.9955095534251
IRF5-regulon Memory IgA 0.0515194146698812
0.00455874841651373 20129333.5 0.539962345700919
6.81356469269085e-05 0.000132537833748233 88.2915173237754
80.331844001886
IRF7-regulon Memory IgA 0.112747078012137
0.0050046988426759 22486641 0.603196296653064
1.22880194106507e-24 6.71114906273999e-24 100 100
IRF8-regulon Memory IgA
0.0810405562231054 -0.000746131446870413 18956462
0.508500477063005 0.398663038832217 0.452881212113398
100 100
IRF9-regulon Memory IgA
0.0337536380825649 -0.000165638395066461 18834779
0.505236373057181 0.60312046203949 0.638998829054352 100
100
JUN-regulon Memory IgA 0.0930687595961783
0.00475620868751349 21375879 0.573400493675512
3.1473760498154e-13 1.11731849768447e-12 100 100
JUNB-regulon Memory IgA 0.16696672640469 0.00731924552695704
22078875 0.592258116019459 5.17480023567008e-20
2.22673222262167e-19 100 100
JUND-regulon Memory IgA
0.0379960328093972 -0.000470330598755196 18331428
0.491734158159162 0.411808931560305 0.460447781744593
100 100

KLF11-regulon	Memory	IgA	0.0314278763963097		
0.00966975563072584			21367062.5	0.573163994140101	
3.43586152564429e-16			1.31862793686889e-15	53.1660692951016	
40.6273153865152					
KLF12-regulon	Memory	IgA	0.0475830347479184		
0.000543434018142816			18905387.5	0.507130421426265	
0.47895797061861			0.524730231222343	99.6415770609319	
98.5832641056153					
KLF13-regulon	Memory	IgA	0.0705481193018115		
0.00433600189374703			24488640	0.656899221100657	
1.01872228705953e-54			1.60731738624949e-53	100	100
KLF2-regulon	Memory	IgA	0.126827473315417		
0.0183169789269556			26728435.5	0.716980953666236	
6.02102743312049e-103			4.27492947751555e-101	100	100
KLF3-regulon	Memory	IgA	0.0776798950279206		
0.00575686823970373			20953055	0.562058387447372	
7.19323119470424e-10			1.92724307480755e-09	100	
99.8607961561777					
KLF4-regulon	Memory	IgA	0.0165499307292395		
0.000662356860980425			19020757.5	0.51022518141042	
0.277376566068516			0.325516300675448	51.9713261648746	
49.7721098363232					
KLF6-regulon	Memory	IgA	0.093988193302715		
0.025070768569884			28950012	0.776573967915518	
5.12892523372085e-166			7.2830738318836e-164	100	100
KLF7-regulon	Memory	IgA	0.0535010189328942		
0.00764326774601822			22153771	0.594267175079642	
7.98429853349516e-21			3.6573238443752e-20	100	
97.5100473742114					
KLF8-regulon	Memory	IgA	0.0335894955966641		
0.00864218455402076			22705625	0.609070466024393	
1.27666271779707e-27			7.88200460552971e-27	88.5304659498208	
77.4310155144929					
MAFB-regulon	Memory	IgA	0.0567118182108428		
0.000946369444749705			19598480.5	0.525722399251506	
0.0106500120784982			0.0152757749004721	100	
99.9977547767125					
MAFF-regulon	Memory	IgA	0.013632740139663		
0.00126921106046931			19134142.5	0.51326669446237	
0.0983716114854646			0.121404529987729	30.8243727598566	
28.5031096342531					
MAFG-regulon	Memory	IgA	0.0273083179226617		
0.00193668918240611			19519677	0.523608522867599	
0.0150177277302743			0.0211140330465242	62.962962962963	
58.5194997642516					
MAX-regulon	Memory	IgA	0.205905669040675		
0.00839022409110121			25462073	0.683011221583071	
8.72837298572647e-74			2.06571493995527e-72	100	100
MAZ-regulon	Memory	IgA			
0.133068741337269			-0.0032958669264358	17215819	

0.461808336098284		0.000149408472799539		
0.000279157936020191		100	100	
MEF2A-regulon	Memory	IgA	0.0426664664399351	
0.0019480853152132		20053024	0.537915369996569	
0.000166804282923541		0.000303669335578755		100
99.9977547767125				
MLX-regulon	Memory	IgA	0.0538603014730844	
0.000952411760375985		19502905.5	0.523158633233602	
0.0214810743561519		0.0285075940053605		100
99.9887738835627				
MXD4-regulon	Memory	IgA		
0.0899127970189214		-0.00229873469214022		21317974.5
0.571847225672543		9.40135037528904e-13		
3.03407216657055e-12		93.5483870967742	88.511192438088	
MXI1-regulon	Memory	IgA	0.0666881662625049	
0.0014860257326863		19555925	0.524580862816508	
0.0146615191455369		0.0208193571866623		100 100
MYBL1-regulon	Memory	IgA		
0.0210248437962526		-0.00903197785703773		17005550.5
0.456167956972616		1.24565537830473e-05		
2.56352266259815e-05		79.3309438470729	80.0736433238286	
MYC-regulon	Memory	IgA	0.30155762351411	-0.0135745296502531
	17570016.5	0.471309560415592		0.0043901893146875
	0.00663198811367687	100	100	
NFATC1-regulon	Memory	IgA		
0.036726571997613		-0.014050442859281		14481638.5
0.388464898455418		1.65712204275871e-28		
1.17655665035869e-27		91.9952210274791	94.8808909046005	
NFE2L1-regulon	Memory	IgA	0.190357401384261	
0.00783477817931941		20524205.5	0.550554649284722	
5.17867271720433e-07		1.24639241668308e-06		100
99.9348885246638				
NFE2L2-regulon	Memory	IgA		
0.107487806574224		-0.00345647981222656		17959037.5
0.481744912966481		0.0699017141301159		0.0894238144727608
	100	100		
NFKB1-regulon	Memory	IgA		
0.0553931179070064		-0.00129965196004114		19038865.5
0.510710922190459		0.287561339236175		0.334702542389647
	100	99.9303980780889		
NFKB2-regulon	Memory	IgA	0.0807779701582164	
0.00754046773913054		23306706.5	0.625194267475516	
1.78418769317708e-35		1.68903101620764e-34		100 100
NFYA-regulon	Memory	IgA	0.0251329847575693	
0.00426321744230872		22787929	0.611278242099074	
2.22100782122783e-28		1.50182433625882e-27		100
98.9986304137947				
NFYB-regulon	Memory	IgA		
0.0998705538261479		-0.00891885904089237		14862777
0.398688805694916		8.36828261747132e-24		

4.40109678400344e-23	100	100		
NFYC-regulon	Memory	IgA		
0.0806820697238969			-0.00290627786698537	17040605
0.457108281700574			2.05601553940659e-05	
4.11203107881318e-05	100	100		
NR1H3-regulon	Memory	IgA	0.0117576740177399	
0.00328385941870543			19860498.5	0.53275094065333
7.53569802323965e-06			1.64626018353851e-05	27.9569892473118
21.9942073239184				
NR2C2-regulon	Memory	IgA	0.0308628871739341	
0.00924729310506123			23388057	0.627376466245482
3.74042085199146e-37			4.08569046909837e-36	89.4862604540024
75.7246458160264				
NR3C1-regulon	Memory	IgA	0.232461312093888	
0.0071149685591588			22830740	0.612426632232399
6.19768474883046e-29			4.88928463518848e-28	100 100
NRF1-regulon	Memory	IgA	0.0273257532039983	
0.000607798621155724			19751124	0.529817007864156
0.00307109440117413			0.00484550449963029	100
99.9663216506882				
PAX5-regulon	Memory	IgA	0.102514693159256	
0.00228924116524128			19738043.5	0.529466128016945
0.00343691278381531			0.00530480016632362	100 100
POU2F1-regulon	Memory	IgA		
0.00443172214203206			-0.000456682641045352	18474381.5
0.495568835903765			0.514512933737306	0.553491186293162
17.3237753882915			18.3659264913896	
POU6F1-regulon	Memory	IgA	0.0350855814485713	
0.00416018992468319			20414285.5	0.547606083648436
1.37722140633978e-06			3.15428128548788e-06	73.4767025089606
65.2012842677204				
REL-regulon	Memory	IgA		
0.260678901014787			-0.00309008023753005	17615216
0.472522021227795			0.00636639339090594	0.00931987486091385
100 100				
RELA-regulon	Memory	IgA	0.0967823237776879	
0.00480652262582351			23200348.5	0.622341251246039
5.93155341679303e-34			5.26425365740382e-33	100 100
RELB-regulon	Memory	IgA		
0.100080639141134			-0.00519893864207364	15097441.5
0.404983599006018			3.94060188467237e-21	
1.86521822541159e-20	100	100		
REST-regulon	Memory	IgA	0.224566814534639	
0.00606012679092696			23458067	0.629254460060952
1.0619832885566e-37			1.25668022479198e-36	100 100
RFX5-regulon	Memory	IgA		
0.0649145646594927			-0.00044206408711106	20139410
0.540232644296571			6.477632223713e-05	
0.000127753302189895	100	100		
RXRA-regulon	Memory	IgA	0.0145360900438558	

6.06311570586562e-06	18772297.5	0.503560328626653		
0.717458102947442	0.738253989989397	66.1887694145759		
64.2268573609645				
SETDB1-regulon	Memory IgA			
0.0586926859678198	-0.00104410029275558	18328188.5		
0.491647259702295	0.40688150678263	0.458548999707409		
94.9820788530466	95.0537730977346			
S0X5-regulon	Memory IgA	0.00855247785998533		
0.000763253211333401	19195053	0.5149005973662	0.0429892236352841	
	0.0565228681130587	25.5675029868578	22.4365163115472	
SP1-regulon	Memory IgA			
0.012938817116608	-5.60912651644055e-05	18821586.5		
0.50488248884906	0.616152732523105	0.643335941310889		
61.6487455197133	59.7880509216642			
SP2-regulon	Memory IgA			
0.0279917758810621	-0.000253048879078215	18274958		
0.490219370118031	0.331489596097165	0.382695306063394		
	100	100		
SP3-regulon	Memory IgA	0.0302602179940825		
0.00202772076792346	21121829	0.566585691092738		
3.8097292641483e-11	1.10404399083481e-10	100	100	
SP4-regulon	Memory IgA	0.00986225093156292		
0.0012473347983586	19194150.5	0.514876388118686		
0.0653281112794405	0.0851063468044087	31.5412186379928		
28.9678708547565				
SPI1-regulon	Memory IgA	0.429622508421086		
0.0112877430204441	22663954.5	0.607952669405517		
8.32325844418475e-27	4.92459457947598e-26	100	100	
SPIB-regulon	Memory IgA	0.564557985599573		
0.000108771920418471	18569662	0.498124702061955		
0.852290214623843	0.864465789118469	100	100	
SREBF1-regulon	Memory IgA	0.0430221475353781		
0.0021315864153849	19995758	0.536379229533254		
0.000303670185976488	0.000532360079119275	97.0131421744325		
96.892610970161				
SREBF2-regulon	Memory IgA	0.103979697070484		
0.00509097046699537	22802774.5	0.611676467455274		
1.42883438492575e-28	1.06786569820766e-27	100	100	
SRF-regulon	Memory IgA	0.0227237617781819		
0.00199131720609354	20512051	0.550228609064323		
6.12537630613176e-07	1.44967239245118e-06	98.9247311827957		
97.9164327892409				
STAT1-regulon	Memory IgA	0.0835864183757783		
0.00388965624010132	22254215	0.596961550323193		
6.13104776614601e-22	3.00209925100943e-21	100	100	
STAT2-regulon	Memory IgA			
0.0637147590625279	-0.0025669451294878	17551512.5		
0.470813197073763	0.00375601204460711	0.00573498613262591		
	100	99.9618312041133		
STAT5A-regulon	Memory IgA			

0.0674679552955786	-0.00421767169976621	17040196	
0.457097310418322	2.04602069447695e-05		
4.11203107881318e-05	100	100	
TBP-regulon	Memory IgA		
0.0206404104906995	-0.000265756877665457	18819880	
0.504836712582153	0.607498886777025	0.638998829054352	
52.3297491039427	49.8394665349469		
TCF12-regulon	Memory IgA	0.0115046432675501	
0.00250717702483704	19725719.5	0.529135541018204	
0.000149118183306647	0.000279157936020191	30.5854241338112	
25.119558140057			
TFDP1-regulon	Memory IgA		
0.517266814138158	-0.0111012606149384	16154724.5	
0.433344846473536	3.63619438890917e-11		
1.07570750671896e-10	100	100	
TFDP2-regulon	Memory IgA		
0.0254022330856314	-0.00175326106780611	17438790.5	
0.467789468765417	0.00138296125393617	0.00231035880069336	
100	99.9955095534251		
TFEC-regulon	Memory IgA	0.107973559036128	
0.016740812573947	26020049	0.697978733041154	
5.0052064566923e-86	1.77684829212577e-84	100	100
THAP1-regulon	Memory IgA	0.0380313773075011	
0.000882543557526046	19822555	0.531733119508675	
0.00162834256189765	0.00262979361403482	100	100
THAP11-regulon	Memory IgA	0.181360908451057	
0.00293738107213157	21370253.5	0.573249591601395	
3.51710608577045e-13	1.21811966873025e-12	100	100
TP53-regulon	Memory IgA		
0.0938341615891465	-0.00460752032412269	16688777	
0.447670618393776	2.03857482725711e-07	4.990993542595e-07	
100	100		
USF2-regulon	Memory IgA	0.129815485552065	
0.00461439703092376	22129165.5	0.593607141129827	
1.48239783571958e-20	6.57814039600563e-20	100	100
XBP1-regulon	Memory IgA	0.196723978294932	
0.00146106222930681	22784177	0.611177596008578	
2.48253194975136e-28	1.60236153120315e-27	100	100
YBX1-regulon	Memory IgA		
0.093584192170145	-0.00162962976553586	17538256.5	
0.470457609500304	0.00335418690212426	0.00523400593518291	
100	100		
YY1-regulon	Memory IgA		
0.637119468799092	-0.00239606084939026	17768795.5	
0.476641737713767	0.0203819451233244	0.0275641543572578	
100	100		
YY2-regulon	Memory IgA	0.0535203722075922	
0.00256564073057542	19805822.5	0.531284276036067	
0.00188654059402039	0.00300998611630219	93.7873357228196	
90.4690271447495			

ZBTB33-regulon Memory IgA 0.3699737956224 0.00422572913471841
20428480.5 0.54798685956917 1.89213303239896e-06
4.26480778731194e-06 100 100
ZNF143-regulon Memory IgA 0.0255060550815819
0.00221619897295699 21527731 0.577473870576907
1.44419899001234e-14 5.25836555337828e-14 100
99.9932643301376
ZNF274-regulon Memory IgA 0.0682573900015716
0.0029706555620192 20987349.5 0.562978325440582
4.02333676805797e-10 1.09868042512352e-09 100 100
ZNF76-regulon Memory IgA 0.0148122777941818
0.000259966452457627 19049550 0.51099753017391 0.274857690484904
0.325248267073803 99.2831541218638 99.463391634298
ATF1-regulon Memory LGALS1
0.102954513387177 -0.00338231626530371 29188850
0.448707802818064 1.7265889330351e-11
2.95392323483113e-11 100 100
ATF3-regulon Memory LGALS1
0.0483138178616031 -0.0027993925747915 30907499
0.47512786447193 0.00110545913106615 0.001414190960463 100
100
ATF4-regulon Memory LGALS1
0.10391494719045 -0.00499999744046492 29093177.5
0.447237070080559 4.5051901908782e-12
7.89798774203339e-12 100 100
ATF5-regulon Memory LGALS1 0.119396447361146
0.000995519938073536 33755646 0.518911219502117
0.0131241223445973 0.0156607174196035 100
99.9977217842985
ATF6-regulon Memory LGALS1 0.137803457198732
0.00143642597918742 42065220 0.646650773883126
1.89907182756937e-82 1.03718538274942e-81 100 100
ATF6B-regulon Memory LGALS1 0.0596676770004826
0.00245122362064725 39657228.65625 0.609633744947111
6.85272326908272e-47 2.3168731052613e-46 99.9325236167341
99.9202624504488
BACH1-regulon Memory LGALS1 0.0482587993902809
0.0051439677280216 37047139 0.569509944426909
7.73165871710107e-20 1.66347808761871e-19 99.9325236167341
99.5511915068119
BATF-regulon Memory LGALS1
0.012416580517517 -0.00710895434358909 29123201.5
0.447698616289876 3.29205576336804e-13
5.99322972305465e-13 45.27665317139 51.9342051305418
BATF3-regulon Memory LGALS1
0.0684312134487346 -0.0152298138672322 24856940
0.382115188922497 6.29159230500963e-54
2.35106870345097e-53 100 100
BCL11A-regulon Memory LGALS1 0.22015782252895 0.0161861371365232
43885732 0.674636732203646 4.11908309297987e-116

3.44064587766554e-115	100	100	
BHLHE40-regulon	Memory	LGALS1	0.0652187686290279
0.00989062438634428	43157061.5	0.663435189866988	
6.16140717394403e-102	4.37459909350026e-101	100	100
BRF2-regulon	Memory	LGALS1	
0.0405402400738156	-0.00110829255640754	31354733	
0.482003002940405	0.0182515749031449	0.0212436363626769	
99.6626180836707	99.7311705472274		
CEBPB-regulon	Memory	LGALS1	
0.137101524405049	-0.0061927548328406	27846031.5	
0.428065223932001	3.9128924592733e-21		
8.81953538439379e-21	100	100	
CEBPG-regulon	Memory	LGALS1	
0.0584983991530165	-0.00988518918937403	25645408.5	
0.394235980533892	9.37019320596144e-44		
2.71544374540107e-43	100	100	
CLOCK-regulon	Memory	LGALS1	
0.0150413313637476	-0.000572080209643432	32194190.5	
0.494907626808222	0.477222102985555	0.491054627709774	
51.0121457489879	51.0958217524035		
CREB1-regulon	Memory	LGALS1	0.0463706495811815
0.00351422946853953	36694134.5	0.564083356069373	
4.27374587104829e-17	8.66959876698368e-17	100	
99.9931653528956			
CREB3-regulon	Memory	LGALS1	0.240748040468755
0.000980035331324736	38444174.5	0.590985978243378	
7.90162733326931e-33	2.04005651149862e-32	100	100
CREB3L2-regulon	Memory	LGALS1	
0.126463170727607	-0.00032463483972664	39278708.5	
0.603814915235311	3.20389719294506e-42		
9.09906802796397e-42	100	100	
CREB3L4-regulon	Memory	LGALS1	
0.00963719728021788	-0.00151358156982066	31534168.5	
0.484761388726503	0.0150919444282312	0.0177112075108168	
28.7449392712551	31.4348202487812		
CREB5-regulon	Memory	LGALS1	
0.0330994220141944	-0.00627999820632929	28445767	
0.43728470323581	1.94053972552169e-16	3.88107945104339e-16	
99.7300944669366	99.6195379778557		
CREM-regulon	Memory	LGALS1	
0.147387968050106	-0.0026997655055003	28994410	
0.445718759221624	1.08324102229992e-12		
1.92275281458237e-12	100	100	
CTCF-regulon	Memory	LGALS1	
0.368367927116255	-0.00255579805947209	32108842	
0.493595600541041	0.400910533663938	0.430234932797147	
100	100		
CUX1-regulon	Memory	LGALS1	0.0777689290291464
0.00110701924790589	36084174	0.554706692180223	
7.21509951310146e-13	1.29689130488659e-12	100	100

DDIT3-regulon	Memory	LGALS1			
0.0808571029003349			-0.00418779968541756		29515806.5
0.453733966326804			1.29332279514997e-09		
2.08695269217382e-09			100	100	
E2F1-regulon	Memory	LGALS1			
0.425783256061492			-0.0123138482610062		30131505.5
0.463198845740939			1.387330269794e-06		
2.05209269073696e-06			100	100	
E2F2-regulon	Memory	LGALS1			
0.052906057190023			-0.00104920207137947		34448249
0.529558311468919			0.000105817822404814		
0.000141755950768713			100	100	
E2F3-regulon	Memory	LGALS1			
0.0201515804726428			-0.000996260175458154		30228957
0.464696926290406			3.65085125294863e-06		
5.29000895835413e-06			100	100	
E2F4-regulon	Memory	LGALS1			
0.379286932954361			-0.020024600999721		25820243
0.396923637099731			1.20098343282279e-41		
3.34391465609483e-41			100	100	
E2F6-regulon	Memory	LGALS1			
0.0603757003710466			-0.0124315384704817		25597100
0.39349335446632			2.39816847101522e-44		7.09458172675337e-44
			100		100
E2F7-regulon	Memory	LGALS1			
0.00213584773958107			0.0326401172627778		
1.05110636873029e-23			37503350		0.576523082506396
			2.44683777638855e-23		100
					100
E2F8-regulon	Memory	LGALS1			
0.0688088971604364			-0.00618987776130898		26693567.5
0.410348883984832			6.37941161382271e-32		
1.61763651636219e-31			100	100	
EGR1-regulon	Memory	LGALS1			
0.000549836542076423			0.0479948867806114		
0.00521797312627233			33910823		0.521296689663425
			0.00638751882698854		100
					100
EGR2-regulon	Memory	LGALS1			
0.000958456994956267			0.0469750620932189		
6.77452231251483e-06			34757635.5		0.534314378824658
99.9954435685971			9.61982168377106e-06		100
EGR3-regulon	Memory	LGALS1			
0.0368784638968594			-0.00474774232250722		27373970
0.420808422843229			2.84989119839196e-25		6.859060172401e-25
			100		99.9954435685971
ELF1-regulon	Memory	LGALS1			
0.706980368054765			-6.64420762142015e-05		35315852.5
0.542895611849108			1.84263710956221e-08		
2.90727188397594e-08			100	100	
ELF2-regulon	Memory	LGALS1			
0.0159305228583886			0.0480662870403589		
4.73420407567224e-229			48551217.5		0.746357260685739
99.5192964869914			1.1204282979091e-227		100

ELF4-regulon	Memory	LGALS1	0.0247976291804093		
0.00656494113490518			43476077.5	0.668339287439308	
4.99424896351887e-108			3.73254396220884e-107	99.7975708502024	
98.2867817925001					
ELK1-regulon	Memory	LGALS1	0.0685965686891213		
0.00262740971168615			36229402	0.556939220587052	
8.13527299366549e-14			1.52001153302697e-13	100	100
ELK3-regulon	Memory	LGALS1	0.0833652420146409		
0.0190830465640942			51697940	0.794730490157032	0 0
100	100				
ELK4-regulon	Memory	LGALS1	0.0480814623972519		
0.00318856910867811			34888491.5	0.536325972575202	
1.89251703467871e-06			2.77048885489048e-06	97.9082321187584	
96.6897525857748					
ESRRA-regulon	Memory	LGALS1			
0.0853328927165883			-0.0066190126082336	31107770.5	
0.478206553242885			0.00425764024457069	0.00530337644499156	
100	100				
ETS1-regulon	Memory	LGALS1	0.255244673740465		
0.0127211461134305			41161598	0.632759776389286	
6.61020195510423e-68			3.23671957801655e-67	100	100
ETV2-regulon	Memory	LGALS1	0.0308595321291157		
0.00233372690373274			37320405	0.573710746666288	
4.12935452026995e-22			9.45755390126343e-22	100	100
ETV3-regulon	Memory	LGALS1			
0.0107019591752015			-0.000751645445911308	31528397	
0.484672665906524			0.0439897737035819	0.0495757767135606	
84.7503373819163			84.3349888367431		
ETV5-regulon	Memory	LGALS1	0.0339963866978697		
0.000550731652064818			34005597	0.522753610141768	
0.00284182565191814			0.00357114373957854	100	100
ETV6-regulon	Memory	LGALS1	0.479934027791853		
0.0210465212909147			47904075.5	0.736409021377534	
4.30247660237645e-211			7.6368959692182e-210	100	100
ETV7-regulon	Memory	LGALS1	0.073092837418391		
0.00932119214569536			45829661.5	0.704519935371233	
1.66427792089774e-158			1.96939553972899e-157	100	100
FLI1-regulon	Memory	LGALS1	0.171283805552733		
0.028275789623106			49984232.5	0.768386392085411	
1.90353512207259e-271			6.75754968335769e-270	100	100
FOS-regulon	Memory	LGALS1	0.0899930378206607		
0.00384096064658816			38539410	0.592449993165353	
7.72123814123802e-34			2.10849195395346e-33	100	100
FOSB-regulon	Memory	LGALS1	0.0489775296215195		
0.00775740804596195			39487247.5	0.607020696774901	
9.28466245776947e-45			2.86613493261579e-44	99.9325236167341	
99.3028659953524					
FOSL1-regulon	Memory	LGALS1			
0.0524337916790822			-0.00864217207497278	27852494	
0.428164569201709			4.43036308481529e-21		

9.82986809443392e-21	100	100	
FOX01-regulon	Memory	LGALS1	0.0174414156564089
0.000769564889247537		33588688.5	0.516344652714148
0.0231995871512221		0.026783263215232	55.7354925775978
52.2280949560304			
FOX03-regulon	Memory	LGALS1	
0.0140035155506281		-0.00593421106150809	29145257
0.448037666130656		1.4011356756659e-13	
2.58391254473452e-13		38.191632928475	47.0497106666059
GABPA-regulon	Memory	LGALS1	
0.0250854194546905		-0.00041609747727081	31841291.5
0.489482660257409		0.16775698275743	0.186105402746524
100			100
GTF2B-regulon	Memory	LGALS1	
0.0738828922411545		-0.0053487818946618	27864518.5
0.428349416736812		5.57970907601423e-21	
1.21895182891388e-20	100	100	
HINFP-regulon	Memory	LGALS1	
0.0159927492932066		-0.000245825577364592	32407693
0.498189710126721		0.807567658461818	0.813295088663675
63.697705802969		63.2182074998861	
HIVEP3-regulon	Memory	LGALS1	0.0813979846607209
0.00383527911000275		35593511	0.547163938126736
6.17126888945298e-10		1.01897695616549e-09	99.6626180836707
99.694719096004			
H0XB2-regulon	Memory	LGALS1	0.0373788718628672
0.000285470944279193		33737654	0.51863463612222
0.0169334088407526		88.191632928475	83.5786212238575
0.0143099229640163			
IKZF1-regulon	Memory	LGALS1	0.148931401942145
0.0052383558718149		39851483.5	0.612619942215103
2.24800510790082e-49		7.78577378833943e-49	100
100			100
IRF1-regulon	Memory	LGALS1	0.142048480816739
0.00682907766713153		41270684.5	0.634436716855666
1.3835856850875e-69		7.01675597437233e-69	100
100			100
IRF2-regulon	Memory	LGALS1	0.092034635471168
0.00725103604684318		40051634.5	0.6156967785907
5.19998274448279e-52		1.89332705055527e-51	100
100			100
IRF3-regulon	Memory	LGALS1	0.157530702256785
0.0124921732828323		48832415.5	0.750679998194645
4.38236816365838e-237		1.24459255847898e-235	100
100			100
IRF4-regulon	Memory	LGALS1	0.0586231579044048
0.000217925379697274		34792549.5	0.534851096928578
4.85290682964664e-06		6.96073504858407e-06	100
99.9954435685971			
IRF5-regulon	Memory	LGALS1	0.0484189457202728
0.00142058633675839		33634101.5	0.517042767489118
0.024853027069415		0.0284607245472333	87.0445344129555
80.256982731125			
IRF7-regulon	Memory	LGALS1	0.119072123292072
0.0116168391209796		45905780.5	0.705690080452067

2.66488580006055e-160	3.4401253055327e-159	100	100
IRF8-regulon	Memory LGALS1	0.085888836894163	
0.00425487846215314	38022878.5	0.584509573640386	
1.49642566382585e-28	3.72793761865388e-28	100	100
IRF9-regulon	Memory LGALS1	0.0358851777323952	
0.00203543479001313	36231138	0.556965907378264	
7.92174975286216e-14	1.4998512865419e-13	100	100
JUN-regulon	Memory LGALS1	0.0938341851755963	
0.00561736751776623	38461997.5	0.591259963658001	
5.12746490397368e-33	1.37377361578163e-32	100	100
JUNB-regulon	Memory LGALS1	0.168600268996879	
0.00911549426318667	40307865.5	0.619635709005015	
1.73338839553521e-55	6.65246357205407e-55	100	100
JUND-regulon	Memory LGALS1		
0.0383195522283965	-0.000142799411797671	32512407.5	
0.499799441692651	0.979014785427983	0.979014785427983	
100	100		
KLF11-regulon	Memory LGALS1	0.0412383077090531	
0.0199535102128751	41413099.5	0.636626002207379	
4.79609658237884e-90	2.72418285879118e-89	61.4035087719298	
40.1649428167859			
KLF12-regulon	Memory LGALS1	0.04970827626533	0.00274841588436076
35173114.5	0.540701361155482		
9.37845184573991e-08	1.41674485329262e-07	99.6626180836707	
98.56700232378			
KLF13-regulon	Memory LGALS1	0.0739910996742154	
0.00795894349395805	48433705	0.744550790897492	
9.79909304375735e-226	1.98781601744792e-224	100	100
KLF2-regulon	Memory LGALS1	0.142116608477133	
0.0343914822418943	55446392.5	0.852353859534136	0
0	100	100	
KLF3-regulon	Memory LGALS1	0.0837510937403041	
0.0121176440356604	40360027.5	0.620437573292597	
3.28776526881683e-56	1.3731254946235e-55	100	
99.8587506265093			
KLF4-regulon	Memory LGALS1		
0.0147068061407709	-0.00123326443466407	32330918	
0.497009480636304	0.674738364944126	0.684377484443327	
50.7422402159244	49.7812912926596		
KLF6-regulon	Memory LGALS1	0.100637751263646	
0.0323132387882003	54616510	0.83959642807753	0 0 100
100			
KLF7-regulon	Memory LGALS1	0.0596474634038472	
0.0141095495159673	43041324	0.661656006400403	
8.98670630422181e-100	6.0767252152357e-99	99.7975708502024	
97.4802934341824			
KLF8-regulon	Memory LGALS1	0.0378676803778019	
0.0131918068638183	42569079.5	0.654396392130299	
3.43558738994175e-92	2.03272253904887e-91	91.9028340080972	
77.1540529457329			

MAFB-regulon Memory LGALS1
0.0553985161580099 -0.000397367413533446 32110658
0.4936235171383 0.402966521563525 0.430234932797147 100
99.9977217842985
MAFF-regulon Memory LGALS1 0.0141150851009254
0.00178649192109364 33760158 0.518980580563149
0.00178628732393613 0.0022647571428476 31.9838056680162
28.429853738552
MAFG-regulon Memory LGALS1 0.0258782800807734
0.000486827411073459 32910694 0.505922131017756
0.420325857316691 0.445419938350523 59.7165991902834
58.563812821798
MAX-regulon Memory LGALS1 0.206048087409006
0.00866074102781583 44800044.5 0.68869207021676
3.19885750551539e-135 3.2445554698799e-134 100 100
MAZ-regulon Memory LGALS1
0.133386248683197 -0.00301607061802767 30398486
0.467303023656488 1.79871866580634e-05
2.45594279369712e-05 100 100
MEF2A-regulon Memory LGALS1 0.0437811326187523
0.0031290122655554 36536290.5 0.561656887248984
6.12128480593962e-16 1.20725339228254e-15 99.9325236167341 100
MLX-regulon Memory LGALS1 0.0552501831990037
0.0024032154870985 35538552 0.546319076745247
1.23847481962666e-09 2.02141867111477e-09 100
99.9886089214927
MXD4-regulon Memory LGALS1
0.0906179378719424 -0.00160356479488211 37837516
0.581660074598805 8.3415236204032e-27
2.04223509327113e-26 94.6018893387315 88.4016038638538
MXI1-regulon Memory LGALS1 0.0666928144338967
0.00151266723317968 34326728 0.527690220711446
0.000281416506686393 0.000373468635041755 100 100
MYBL1-regulon Memory LGALS1
0.0233498309818603 -0.00676121208457801 31653920
0.486602277711481 0.0776909094684345 0.0868670011379347
83.2658569500675 79.951701827129
MYC-regulon Memory LGALS1
0.287699600696218 -0.0280999138715381 24730550
0.380172249094509 1.16525061552086e-55
4.59626631677671e-55 100 100
NFATC1-regulon Memory LGALS1
0.0347537466200124 -0.0162963411592365 24274666.5
0.373164145533526 3.76832752419276e-62
1.67219533886054e-61 91.025641025641 94.9560304369618
NFE2L1-regulon Memory LGALS1
0.17670726830041 -0.00616109840716575 33583641 0.516267059638891
0.0328774395257968 0.0373487713013052 100
99.9339317446576
NFE2L2-regulon Memory LGALS1

0.101414770995262	-0.00978535145550029	25527359.5	
0.392421263358845	3.29758492318544e-45	1.0405712424274e-44	
100	100		
NFKB1-regulon	Memory LGALS1		
0.0500181244147822	-0.0068752199241682	29382987.5	
0.45169219621039	2.35773790638014e-10	3.93880920830565e-10	100
99.9293753132547			
NFKB2-regulon	Memory LGALS1	0.0767109144012846	
0.00344689867878525	37026923.5	0.569199180125203	
1.12512385009819e-19	2.34952333402857e-19	100	100
NFYA-regulon	Memory LGALS1	0.0261100246837371	
0.00533589113210867	41486264.5	0.63775073669994	
5.76548993499083e-73	3.03222063247666e-72	99.8650472334683	
98.9884722285506			
NFYB-regulon	Memory LGALS1		
0.0984982901437867	-0.0104685127733432	23905367	
0.367487061056857	1.1631016385524e-67		
5.50534775581469e-67	100	100	
NFYC-regulon	Memory LGALS1		
0.0806673792715307	-0.00296417059015422	29859707	
0.459020602756229	7.66540796218371e-08		
1.17041712970977e-07	100	100	
NR1H3-regulon	Memory LGALS1	0.010396006067927	
0.00192447190411015	33788312	0.519413380056125	
0.000454341469450256	0.000586513533290331	25.5735492577598	
21.9870597348157			
NR2C2-regulon	Memory LGALS1	0.0310766801095698	
0.00960418863292775	40503016.5	0.622635682502695	
5.25418727972759e-59	2.26089270824642e-58	87.1794871794872	
75.6003098373354			
NR3C1-regulon	Memory LGALS1	0.232007464325929	
0.00675034830130378	39484295	0.606975309245491	
1.00982655152018e-44	3.05096532586948e-44	100	100
NRF1-regulon	Memory LGALS1		
0.0265072681376985	-0.000229389793155493	33131988	
0.509323989758913	0.221356915560918	0.243664201625197	
99.9325236167341	99.9681049801795		
PAX5-regulon	Memory LGALS1	0.109864075173176	
0.00992040075004096	41025122.5	0.630661796450251	
7.79009984702058e-66	3.56836831702233e-65	100	100
POU2F1-regulon	Memory LGALS1		
0.00400609221161733	-0.000903393900579079	32356728	
0.497406246812112	0.6142563077705971	0.627513638088114	
18.0161943319838	18.3578621223857		
POU6F1-regulon	Memory LGALS1	0.0377014959889615	
0.00692555787215131	36945643	0.567949689495495	
8.74287686254783e-20	1.85296793206238e-19	74.1565452091768	
65.0567275709664			
REL-regulon	Memory LGALS1		
0.255581191371714	-0.00840531180715892	25437687	

0.391042766074841		2.49852476005039e-46		
8.06342081652626e-46		100	100	
RELA-regulon	Memory	LGALS1	0.0963189152283828	
0.00439809734583965		39917294.5	0.613631626786824	
3.11099901751124e-50		1.10440465121649e-49	100	100
RELB-regulon	Memory	LGALS1		
0.0973337347332984		-0.0081149829723709	22343722	
0.34348055525989	1.18602003105067e-93		7.32238453953022e-93	100
	100			
REST-regulon	Memory	LGALS1	0.226966790522296	
0.00863018402417204		44463330	0.683515901115477	
5.17564413489789e-128		4.89960978103667e-127	100	100
RFX5-regulon	Memory	LGALS1	0.0662115291219795	
0.000892194082880604		36788641	0.565536164383747	
8.27710548446234e-18		1.70340431709225e-17	100	100
RXRA-regulon	Memory	LGALS1		
0.0135583315070495		-0.00100461854138841	32013191.5	
0.492125206000199		0.290392391211618	0.317197842708075	
	64.8448043184885	64.2434045655443		
SETDB1-regulon	Memory	LGALS1		
0.0579354155162841		-0.00184228110784895	31116288.5	
0.478337496841704		0.00449136985020383	0.00554586538025169	
	94.4669365721997	95.0722194377364		
SOX5-regulon	Memory	LGALS1	0.00995515513752415	
0.00222450491924136		34129934	0.524664990072083	
9.63116870183073e-06		1.35408510461382e-05	26.9905533063428	
22.3424613842439				
SP1-regulon	Memory	LGALS1	0.0138904970959481	
0.000926896201835788		34436861	0.529383248578175	
6.73975550952278e-05		9.11471697478318e-05	66.5991902834008	
59.5935663188591				
SP2-regulon	Memory	LGALS1		
0.0275762901473711		-0.000686281147246223	31208726.5	
0.479758506983484		0.0079341066228993	0.00962942855086924	
	100	100		
SP3-regulon	Memory	LGALS1	0.0304744821673545	
0.00227901550118312		37517810	0.576745369949333	
7.81884142822662e-24		1.85045913801363e-23	100	100
SP4-regulon	Memory	LGALS1	0.0100469680964162	
0.00145661754810398		33928521.5	0.521568761192388	
0.000415895024990052		0.000546824940264698	32.8609986504723	
28.8854968788445				
SPI1-regulon	Memory	LGALS1	0.443358223181473	
0.0256530865119349		46708182.5	0.718025065845353	
7.52640886390175e-180		1.18750006519339e-178	100	100
SPIB-regulon	Memory	LGALS1	0.568241557430711	
0.00391831111252638		34681098	0.533137800320942	
1.3843239876523e-05		1.90848549754006e-05	100	100
SREBF1-regulon	Memory	LGALS1	0.0412665940319033	
0.000348082461866177		33044302	0.507976030096306	

0.295493532580949	0.320305966614464	97.3009446693657
96.8811227046977		
SREBF2-regulon	Memory LGALS1	0.106412048105643
0.00768025457239831	43889689	0.674697561485229
3.42980385404682e-116	3.04395092046655e-115	100 100
SRF-regulon	Memory LGALS1	0.0225573687935001
0.00184856766230648	35910556	0.552037736352581
8.77614840817198e-12	1.51977204141515e-11	99.1228070175439
97.8949286918485		
STAT1-regulon	Memory LGALS1	0.0862647182082246
0.00671554044914924	42937333.5	0.660057404579195
7.59435764675112e-98	4.901812662903e-97	100 100
STAT2-regulon	Memory LGALS1	0.0683810846424522
0.0022192103793774	34688094.5	0.533245354546012
1.29801195935325e-05	1.80703625713884e-05	100
99.9612703330751		
STAT5A-regulon	Memory LGALS1	
0.0648588975085012	-0.00697679605372739	26595630.5
0.408843340049919	6.03644183785867e-33	
1.58736063143691e-32	100 100	
TBP-regulon	Memory LGALS1	
0.0200010287927934	-0.000930631282146287	32194905
0.494918610513477	0.475945706657387	0.491054627709774
49.4601889338731	49.8997585091356	
TCF12-regulon	Memory LGALS1	0.0107098853386129
0.0017224272503249	33855159.5	0.520440998302437
0.00044006422596482	0.000573294679697289	28.8798920377868
25.0968241673122		
TFDP1-regulon	Memory LGALS1	
0.512633428211799	-0.0160542116536025	25434529
0.390994219481149	2.28015862883212e-46	
7.52982616963166e-46	100 100	
TFDP2-regulon	Memory LGALS1	
0.0252506382591421	-0.00193573749363908	30028105
0.461609313739326	4.77104905097461e-07	7.1314627919831e-07
100	99.9954435685971	
TFEC-regulon	Memory LGALS1	0.108767593888254
0.0178076542735024	46460368.5	0.714215526399724
1.08467049356038e-173	1.54023210085574e-172	100 100
THAP1-regulon	Memory LGALS1	0.037705907045275
0.000559052920442005	33762456	0.51901590674184 0.0126272007012109
0.0151954449116266	100 100	
THAP11-regulon	Memory LGALS1	0.180549702125715
0.00214194918104899	35846126.5	0.551047288994029
2.15184278429564e-11	3.63763899249976e-11	100 100
TP53-regulon	Memory LGALS1	
0.0895365826191069	-0.00911790429353938	24725969.5
0.380101835012049	1.00718217491098e-55	4.0862819667817e-55
100	100	
USF2-regulon	Memory LGALS1	0.13430548824662 0.00932380260692688

44845391 0.689389162715454 3.3027011960933e-136
 3.60756592188652e-135 100 100
 XBP1-regulon Memory LGALS1 0.199462295140579
 0.0043133028618759 43632682.5 0.67074670963855
 4.39972176966885e-111 3.47089161829432e-110 100 100
 YBX1-regulon Memory LGALS1
 0.0933154015064696 -0.0019314422308775 29838988
 0.458702098362716 6.07406684360398e-08
 9.47821419551391e-08 100 100
 YY1-regulon Memory LGALS1
 0.634630709119997 -0.00500405780675262 29859284
 0.459014100156757 7.62920953966469e-08
 1.17041712970977e-07 100 100
 YY2-regulon Memory LGALS1
 0.0494977438940639 -0.00155510342770226 32160516.5
 0.494389970698026 0.461657803646841 0.485595615687789
 92.2402159244265 90.4725019364834
 ZBTB33-regulon Memory LGALS1 0.370601291279154
 0.00493650596555556 36503235.5 0.561148746763074
 1.05545210993397e-15 2.05307122754279e-15 100 100
 ZNF143-regulon Memory LGALS1 0.0245692039333794
 0.00128028268910775 35522473.5 0.546071908788729
 1.51497168249817e-09 2.4171458305027e-09 100
 99.9931653528956
 ZNF274-regulon Memory LGALS1 0.0679052881997217
 0.00265031796409605 36374725 0.559173209388561
 8.41812711967344e-15 1.61537033918058e-14 100 100
 ZNF76-regulon Memory LGALS1
 0.0142695057156398 -0.000297311250054947 32166548.5
 0.494482698073945 0.469283647252034 0.489987337571977
 99.5951417004049 99.4555064473504
 ATF1-regulon Memory LGALS3 0.115685850153189
 0.00969034308489279 33767642.5 0.705213051550037
 5.52819796870115e-118 3.89845921261373e-117 100 100
 ATF3-regulon Memory LGALS3 0.0632927128723501
 0.0125703985174344 34454988.5 0.719567780937222
 8.84934179433916e-135 7.39180314585977e-134 100 100
 ATF4-regulon Memory LGALS3 0.124477922685581
 0.0161100731101773 33892061.5 0.7078114533384
 6.11202623961066e-121 4.56793540013007e-120 100 100
 ATF5-regulon Memory LGALS3 0.136830094381634
 0.0188456150663379 31802714.5 0.664176936252497
 3.30661105769303e-76 1.42284475815882e-75 100
 99.9977424088498
 ATF6-regulon Memory LGALS3 0.139745021411501
 0.00341236933399028 33000433 0.689190430110794
 1.42539162536442e-100 8.43356711673951e-100 100 100
 ATF6B-regulon Memory LGALS3 0.0576706622730563
 0.000383281845196835 27177260.7695312 0.567577644783826
 2.84935358067933e-14 4.70474660995889e-14 100

99.9187267185913
 BACH1-regulon Memory LGALS3 0.0569507521208443
 0.0140014757095795 32453276.5 0.677763458120066
 5.13665236613444e-89 2.60501655711104e-88 99.9074930619797
 99.5552545434022
 BATF-regulon Memory LGALS3 0.0199176169976122
 0.000639498574631414 25436332.5 0.531219603576601
 0.000192053670106193 0.000241341780133446 58.6493987049029
 51.5475787334914
 BATF3-regulon Memory LGALS3 0.106564298434571
 0.0239717668908233 35547679 0.742387840167141
 8.26991086690125e-164 9.78606119249982e-163 100 100
 BCL11A-regulon Memory LGALS3
 0.187336875052239 -0.0175823232697294 12967347.5
 0.270813773895668 1.14793757636154e-146
 1.16433668459528e-145 100 100
 BHLHE40-regulon Memory LGALS3 0.0653902294802307
 0.00997673043003442 31719576 0.662440648168829
 1.21149372996889e-74 4.91520313301663e-74 100 100
 BRF2-regulon Memory LGALS3 0.055094868464969
 0.013811568448042 34691671 0.724510725594181
 7.97228926664702e-141 7.07540672414923e-140 100
 99.7223162885201
 CEBPB-regulon Memory LGALS3 0.159825403868229
 0.0171417535588342 35898157.5 0.749707332858634
 1.00144032148954e-173 1.42204525651515e-172 100 100
 CEBPG-regulon Memory LGALS3 0.0795752580877738
 0.0117955312505964 30806682 0.643375510190017
 1.47541519274656e-58 4.36476994520859e-58 100 100
 CLOCK-regulon Memory LGALS3
 0.0152742752755288 -0.000328272396006447 24075633
 0.502802368152552 0.737184609301198 0.7477158180055
 52.7289546716004 51.0531662715882
 CREB1-regulon Memory LGALS3
 0.0369985130112086 -0.00611844408414072 18447191
 0.385256384351865 3.85474701913135e-38
 8.82861414059117e-38 100 99.9932272265493
 CREB3-regulon Memory LGALS3 0.250898835266822
 0.0113696836119256 35661695.5 0.744768993186398
 5.2925952248048e-167 6.83225929020256e-166 100 100
 CREB3L2-regulon Memory LGALS3
 0.126254121606252 -0.000535846813084356 28369073.5
 0.592467800871271 2.34586516410067e-25
 4.16391066627869e-25 100 100
 CREB3L4-regulon Memory LGALS3
 0.00766338060711226 -0.00352186600710122 22184357.5
 0.463304432616282 5.14731454463748e-07 7.4583537279441e-07
 24.9768732654949 31.5024269104865
 CREB5-regulon Memory LGALS3 0.0485965387281629
 0.00965217127767055 30329120.5 0.633401979976357

6.16998160343838e-51	1.68487959170817e-50	100	
99.6139519133085			
CREM-regulon	Memory LGALS3	0.157953031582674	
0.008147574574001	31364223	0.655019355032731	
3.81612871543723e-68	1.29021494664783e-67	100	100
CTCF-regulon	Memory LGALS3		
0.369318645358519	-0.00155874046870941	24296235.5	
0.507409493515377	0.404405648646571	0.416127551505892	
100	100		
CUX1-regulon	Memory LGALS3		
0.0682475361648872	-0.0086567608023715	16772388.5	
0.350279332525738	1.08786410652928e-63		
3.43281562504794e-63	100	100	
DDIT3-regulon	Memory LGALS3	0.0937402989629915	
0.00904771701427669	29393289.5	0.61385781916486	
1.39995933015165e-37	3.05837269048514e-37	100	100
E2F1-regulon	Memory LGALS3	0.448813307173294	
0.0113897176584378	30646930.5	0.640039214420933	
6.0120839262722e-56	1.74227738271562e-55	100	100
E2F2-regulon	Memory LGALS3		
0.0517782920664081	-0.00219499144305852	23471322	
0.490181765325593	0.269232788912123	0.283193007596455	
100	100		
E2F3-regulon	Memory LGALS3		
0.0201169795065286	-0.00102268647883414	22330532.5	
0.46635719289738	0.000153228993126266	0.000194272473427944	100
100			
E2F4-regulon	Memory LGALS3	0.434801157292788	
0.037025705097612	36165305.5	0.755286527683842	
1.75378804397798e-181	3.11297377806091e-180	100	100
E2F6-regulon	Memory LGALS3	0.0920538978141368	
0.0201322934316366	36544193.5	0.763199332454731	
8.90741218058904e-193	2.10808754940607e-191	100	100
E2F7-regulon	Memory LGALS3		
0.0294461980118892	-0.00115535340889829	22515595	
0.470222090790459	0.000805594339818416		
0.000977729882514659	100	100	
E2F8-regulon	Memory LGALS3	0.0748344210435566	
3.87329781140755e-05	27884276	0.582343151975251	
1.93332328780846e-20	3.30761333576869e-20	100	100
EGR1-regulon	Memory LGALS3		
0.0412418856880405	-0.00637294621060153	14734365.5	
0.307716680455515	7.99298572569249e-104		
4.93479988281884e-103	100	100	
EGR2-regulon	Memory LGALS3		
0.043163518648033	-0.00295478234636292	22039048	
0.460269747683385	7.7931636479606e-06		
1.04398984717963e-05	100	99.9954848176995	
EGR3-regulon	Memory LGALS3		
0.0386043244415571	-0.00293678188120398	22003256	

0.459522257373954		5.24098049693335e-06		
7.08780219585272e-06		100	99.9954848176995	
ELF1-regulon	Memory	LGALS3		
0.701563633702398		-0.00561476795273452	23110918	
0.482654985668682		0.0509608753474342	0.0569798763727217	
	100	100		
ELF2-regulon	Memory	LGALS3		
0.0302029156616123		-0.00251301432071104	22510914.5	
0.470124341897039		0.000774179045980584		
0.000947701935596921		99.5374653098982	99.53493622305	
ELF4-regulon	Memory	LGALS3		
0.0181033070910471		-0.000352184963345065	23538437.5	
0.49158342451934	0.343584478759388		0.356124058276154	
98.9824236817761	98.3203521842194			
ELK1-regulon	Memory	LGALS3	0.0729544126750265	
0.00706781918025029		31160493.5	0.650764610201618	
1.48261472154063e-64		4.78480205588113e-64	100	100
ELK3-regulon	Memory	LGALS3		
0.064266033995984		-0.000655026914329546	23420756.5	
0.489125741039676		0.221078994408154	0.236039227112465	
	100	100		
ELK4-regulon	Memory	LGALS3		
0.0443479061795435		-0.000664968833466929	23861158.5	
0.498323221684904		0.850337619319782	0.856368382577369	
	97.6873265494912	96.7061745117959		
ESRRA-regulon	Memory	LGALS3	0.11270229917121	0.0214782537049131
	37417629	0.781440407895137		4.0112186284557e-220
1.42398261310177e-218		100	100	
ETS1-regulon	Memory	LGALS3		
0.224496175941787		-0.0188929190339744	16071981.5	
0.335651833499207		2.3134608224519e-76		
1.02659823996303e-75		100	100	
ETV2-regulon	Memory	LGALS3		
0.0268781180358574		-0.00176597894081145	21780820	
0.454876840675569		3.82141365388745e-07		
5.59423442115482e-07		100	100	
ETV3-regulon	Memory	LGALS3		
0.0100891408557057		-0.00137261472555079	22314394.5	
0.466020162314747		0.000127595212910123		
0.000163294017251578		84.6438482886217	84.3413477819167	
ETV5-regulon	Memory	LGALS3		
0.0308289471744005		-0.00269899358124404	19510128.5	
0.407455073466214		2.14146546582358e-25		
3.84921640692339e-25		100	100	
ETV6-regulon	Memory	LGALS3	0.479313544905519	
0.0202203628873032		34909021	0.729049924821797	
1.70574346941966e-146		1.61477048438395e-145	100	100
ETV7-regulon	Memory	LGALS3		
0.0618751627206914		-0.00225462916897309	22866728	
0.477555252246131		0.0115476258150079	0.0135517592209184	

	100	100			
FLI1-regulon	Memory	LGALS3			
0.130278928619714		-0.0139857723444195			15943016
0.332958481311541		7.99887861017785e-79			
3.78613587548418e-78	100	100			
FOS-regulon	Memory	LGALS3			
0.0792398403993435		-0.00720943581822664			17631216
0.368215330338736		9.43720763554007e-50			
2.52845940423904e-49	100	100			
FOSB-regulon	Memory	LGALS3	0.0418188991894955		
0.000353847032078872		24881920.5		0.519641105659965	
0.0270922943488691		0.0307768463803152			99.8149861239593
99.311434699176					
FOSL1-regulon	Memory	LGALS3	0.0762135424658417		
0.015796150144286		35279958	0.736796678646936		
1.97020929821516e-156		2.15207477189656e-155		100	100
FOX01-regulon	Memory	LGALS3			
0.0110794483059016		-0.00575463030247177			20865041
0.435751451536086		1.91802576791109e-14			
3.20423128286323e-14		43.8482886216466	52.5499492041991		
FOX03-regulon	Memory	LGALS3			
0.00883264581272571		-0.0111775515421807			18892192
0.39454991182133	6.02507151215078e-38			1.33681274175845e-37	
29.5097132284921	47.181397448922				
GABPA-regulon	Memory	LGALS3			
0.0211613788350332		-0.00443213567727493			16913960.5
0.353235962445462		2.85442672934264e-61			
8.81149120797076e-61	100	100			
GTF2B-regulon	Memory	LGALS3	0.0868812422649747		
0.00801520935086528		29741156.5	0.621122772547483		
2.66397771673326e-42		6.52215234096764e-42		100	100
HINFP-regulon	Memory	LGALS3			
0.0144172046190336		-0.00185759528226915			22755825
0.475239122446544		0.00426002818803756			0.00508339498068348
60.4995374653099	63.3005982616548				
HIVEP3-regulon	Memory	LGALS3	0.0932419395615455		
0.0159335599691676		31514465	0.658157051698733		
7.43017124519291e-71		2.70534440209588e-70		100	
99.6861948301163					
HOXB2-regulon	Memory	LGALS3	0.0404355748703764		
0.00341418709328205		26678705.5	0.557165674715365		
1.14332443734843e-10		1.78408868245579e-10			91.0268270120259
83.5511908793318					
IKZF1-regulon	Memory	LGALS3	0.146285735266372		
0.00248070033993883		26526749.5	0.553992182385798		
1.23475875271874e-09		1.9058232922398e-09		100	100
IRF1-regulon	Memory	LGALS3			
0.127950297190288		-0.00767498916610815			18748703
0.391553246728294		2.98255125670512e-34			
6.13800403553808e-34	100	100			

IRF2-regulon	Memory	LGALS3	0.0892341821655639		
0.00431659571159368			27288527.5	0.56990137083399	
3.66445243929826e-15			6.19466959976611e-15	100	100
IRF3-regulon	Memory	LGALS3	0.149917734643051		
0.00458032364004654			28681400.5	0.598990526784147	
8.07835537242808e-29			1.50937692484841e-28	100	100
IRF4-regulon	Memory	LGALS3	0.0625085625041471		
0.00419617870491797			28761035.5	0.600653646777205	
9.70992594557222e-30			1.88878011544007e-29	100	
99.9954848176995					
IRF5-regulon	Memory	LGALS3	0.0680285598064488		
0.0214959039494298			31397536	0.655715073200983	
3.04740404426948e-69			1.05544237630797e-68	93.154486586494	
80.1693193362682					
IRF7-regulon	Memory	LGALS3			
0.100662006882684			-0.00734773463858426	18297856	
0.38213762973187	3.79981327045803e-40		9.14531329500067e-40		100
100					
IRF8-regulon	Memory	LGALS3			
0.070679126129378			-0.0113645377682613	15327673	
0.320107483058407			4.09031326272574e-91		
2.32329793322822e-90	100	100			
IRF9-regulon	Memory	LGALS3			
0.0270434442752362			-0.0070405039548304	15876383	
0.331566898785046			4.12843418668982e-80	2.0215091534826e-79	
100	100				
JUN-regulon	Memory	LGALS3			
0.0844391100827837			-0.00405784394596755	19551272	
0.408314326023938			5.88795882354897e-25		
1.03221006536291e-24	100	100			
JUNB-regulon	Memory	LGALS3			
0.157978829787301			-0.00184767852772305	22250299.5	
0.464681584102214			7.05773820045158e-05		
9.27961874503818e-05	100	100			
JUND-regulon	Memory	LGALS3			
0.0297969543649141			-0.00887209477446265	13575202	
0.283508380184615			4.37915602556936e-131		
3.4546675312825e-130	100	100			
KLF11-regulon	Memory	LGALS3	0.034037231303346		
0.0123960567625821			28185290.5	0.588629624420161	
4.13875736481594e-29			7.94193980816031e-29	54.6716003700278	
40.5215035557061					
KLF12-regulon	Memory	LGALS3			
0.0399734055829159			-0.00724891128247188	19470861	
0.406634999826138			8.08470273892432e-26		
1.47183049862468e-25			98.8899167437558	98.595778304549	
KLF13-regulon	Memory	LGALS3			
0.0643224344896424			-0.00201773305545525	23387337	
0.488427798695129			0.192847172656156	0.207456806948289	
100	100				

KLF2-regulon Memory LGALS3
 0.106306531524656 -0.00260386793701071 22276600
 0.465230851225683 9.13369788165462e-05
 0.000118989458641739 100 100
 KLF3-regulon Memory LGALS3
 0.0545269249928294 -0.0179294280118328 17056365.5
 0.356209988974142 6.92427297223922e-59
 2.09201438735738e-58 100 99.8600293486849
 KLF4-regulon Memory LGALS3
 0.0138751245336043 -0.00207407819622841 23157111
 0.483619693420793 0.04859714860773 0.0547682150976005
 48.7511563367253 49.8385822327577
 KLF6-regulon Memory LGALS3 0.0939067706780598
 0.0251254617522905 36482989.5 0.761921130708576
 6.27284782746987e-191 1.27249198785817e-189 100 100
 KLF7-regulon Memory LGALS3 0.0501772122350502
 0.0042804481187163 26730066.5 0.558238312449571
 5.61952548502257e-11 8.86636243192451e-11 99.722479185939
 97.5031041878316
 KLF8-regulon Memory LGALS3
 0.0202817978951189 -0.00494267599173229 21827453
 0.455850737512843 5.8508886179425e-07
 8.39218367422056e-07 79.0934320074006 77.600180607292
 MAFB-regulon Memory LGALS3
 0.0520817254619758 -0.00379150558466821 20717894
 0.432678391730492 3.57450115828369e-14
 5.83424326984235e-14 100 99.9977424088498
 MAFF-regulon Memory LGALS3
 0.00800286755855251 -0.004491064608155 22296671
 0.465650019699101 1.23462659869743e-06
 1.73581165361421e-06 22.8492136910268 28.6849531549836
 MAFG-regulon Memory LGALS3 0.0414905905958775
 0.0164757422805062 30962600 0.646631746054619
 1.07599180292186e-65 3.55327525616055e-65 77.0582793709528
 58.1510328479512
 MAX-regulon Memory LGALS3 0.203588557247816
 0.00606278194109516 30041120.5 0.627387306051566
 1.32791200328151e-46 3.36720543689239e-46 100 100
 MAZ-regulon Memory LGALS3 0.139757596472387
 0.00353807142058016 29463676 0.61532779085308
 1.63778645990531e-38 3.81255208699269e-38 100 100
 MEF2A-regulon Memory LGALS3
 0.0344038246109813 -0.00650547158316579 17803568
 0.371814778534172 3.62873454513379e-47
 9.36873282561816e-47 100 99.9977424088498
 MLX-regulon Memory LGALS3
 0.0523623685629928 -0.000576831162274048 23877685
 0.49866836581205 0.880886296599154 0.880886296599154 100
 99.9887120442488
 MXD4-regulon Memory LGALS3 0.101243472236514

0.00929579804086815	28902530	0.603608658164883		
1.8666848500302e-31	3.7867035529184e-31		93.9870490286771	
88.4727395868608				
MXI1-regulon	Memory	LGALS3		
0.057264673781639	-0.00815925713294184		19117843.5	
0.399262481936399	8.71799156489664e-30		1.7193816697435e-29	
100	100			
MYBL1-regulon	Memory	LGALS3		
0.0149872849134535	-0.0152666335622642		17674407	
0.369117343468894	1.78290208957615e-49			
4.68837216147803e-49	70.3977798334875	80.2957444406818		
MYC-regulon	Memory	LGALS3	0.358857795266535	
0.0450492520001228	37023014	0.773199155982528		
1.52995840635432e-207	4.34508187404626e-206		100	100
NFATC1-regulon	Memory	LGALS3		
0.0459964951898975	-0.00463168844647067		22889705.5	
0.478035120892335	0.0134416937371375		0.0156452500874879	
95.7446808510638	94.8052827632916			
NFE2L1-regulon	Memory	LGALS3	0.284024204490351	
0.103830636484267	40090110	0.837253261315967	0	0
100	99.934529856643			
NFE2L2-regulon	Memory	LGALS3	0.125308407377581	
0.0147799848221324	33766870	0.705196918440291		
5.76532700456961e-118	3.89845921261373e-117		100	100
NFKB1-regulon	Memory	LGALS3	0.0814371814952032	
0.0253728463873968	36004503.5	0.751928292973931		
8.57716477693151e-177	1.35328599813808e-175		100	
99.9300146743425				
NFKB2-regulon	Memory	LGALS3	0.0967605108757047	
0.0239545921713486	37846794	0.790403211835876		
3.13873280611868e-234	1.48566686156284e-232		100	100
NFYA-regulon	Memory	LGALS3	0.0271783790344958	
0.00638201269607865	31609819	0.660148451759235		
1.32614563664769e-72	5.08953190281006e-72		99.8149861239593	
98.9976295292922				
NFYB-regulon	Memory	LGALS3	0.109371692364043	
0.000765020870825278	28445672.5	0.594067516176706		
3.48717261850872e-26	6.43088976400309e-26		100	100
NFYC-regulon	Memory	LGALS3	0.0861043566470529	
0.00263232828778572	28690094.5	0.599172094753252		
6.42105344253503e-29	1.21571945178663e-28		100	100
NR1H3-regulon	Memory	LGALS3		
0.00761249141062906	-0.000944395334248558		23510412	
0.490998132005176	0.163042448034333		0.176733035273857	
20.3515263644773	22.1469691838808			
NR2C2-regulon	Memory	LGALS3	0.0336334482236256	
0.0121364074003189	31567027.5	0.659254781900718		
8.44671029797554e-73	3.33175795086813e-72		89.5467160037003	
75.6473642623321				
NR3C1-regulon	Memory	LGALS3		

0.224376736757318		-0.00112771432025874		21765768.5
0.454562500868003		3.17053406761454e-07		
4.68974830834651e-07		100	100	
NRF1-regulon	Memory	LGALS3	0.0275901319517371	
0.0008819774883181		25972608	0.542419333668108	
1.81152770766096e-06		2.49744596590151e-06		100
99.9661361327464				
PAX5-regulon	Memory	LGALS3		
0.0904777070946132		-0.0100288919158046		16455277.5
0.343656696196001		2.78267434666981e-69		
9.87849393067782e-69		100	100	
POU2F1-regulon	Memory	LGALS3		
0.00293901378953346		-0.00198833553115466		22611853.5
0.472232380686256		3.66978168321014e-06		
5.01066345207539e-06		13.0434782608696	18.4761259735862	
POU6F1-regulon	Memory	LGALS3		
0.0236318135715141		-0.00755018562216687		21207636
0.44290630297103	5.28835276139053e-11		8.43759654064556e-11	
59.2969472710453	65.5017496331414			
REL-regulon	Memory	LGALS3	0.276394843447163	
0.0129923810839181		32458666.5	0.677876024413311	
3.98420995751513e-89		2.09539931098944e-88		100
RELA-regulon	Memory	LGALS3	0.0969042541531773	
0.00495790549610019		29910768	0.624664987361353	
1.04517443002408e-44		2.6037678783056e-44		100
RELB-regulon	Memory	LGALS3	0.110403685041711	
0.00534739818501576		29426202	0.614545173177186	
5.15053708916554e-38		1.16091470898652e-37		100
REST-regulon	Memory	LGALS3		
0.217931359696468		-0.000703881060972023		22452870.5
0.46891213448978	0.000468281602533023		0.000583298136488502	100
	100			
RFX5-regulon	Memory	LGALS3		
0.0644553624923836		-0.000914908001141926		25420787.5
0.530894957374653		0.000507880547123963		
0.000627122066883502		100	100	
RXRA-regulon	Memory	LGALS3	0.0171399505349551	
0.00267350307607055		26239383.5	0.547990749097355	
3.23985715134969e-08		4.89425229246442e-08		71.4153561517114
64.0884975730895				
SETDB1-regulon	Memory	LGALS3		
0.058447095402557		-0.00130143583764314		23176881.5
0.48403258616673	0.072351348065614		0.0802647767602905	
95.2821461609621	95.0468450163675			
SOX5-regulon	Memory	LGALS3	0.00793741040941297	
0.000137379707470529		24439694.5	0.510405532079879	
0.109215949148356		0.120222207589664		24.7918593894542
22.4381984422621				
SP1-regulon	Memory	LGALS3		
0.00975065115035066		-0.0033223720000914		21737905.5

0.453980602050064	8.55261389901951e-08	1.2783907091166e-07
55.4116558741906	59.9300146743425	
SP2-regulon	Memory LGALS3	
0.0280070301983931	-0.000238816212259966	23646858.5
0.493847719524895	0.488744941444506	0.499293393418129
100	100	
SP3-regulon	Memory LGALS3	
0.0237569885676153	-0.00462304736816426	16333539.5
0.341114285174278	1.71317395573664e-71	
6.40186057143692e-71	100	100
SP4-regulon	Memory LGALS3	
0.00630874457633906	-0.00238602234542373	22489035.5
0.469667414637315	2.05446572136572e-05	
2.72648721900871e-05	23.5892691951896	29.1477593407834
SPI1-regulon	Memory LGALS3	
0.415157464297454	-0.00346813535989104	21864107
0.456616230075479	1.05061121324965e-06	
1.49186792281451e-06	100	100
SPIB-regulon	Memory LGALS3	0.573591710449433
0.0093635600259796	28268492.5	0.590367238655892
2.72979255418064e-24	4.72720174016647e-24	100
SREBF1-regulon	Memory LGALS3	0.048677024064476
0.00793620961144995	29248819	0.610840656146626
1.04892997722584e-35	2.19041259950101e-35	99.0749306197965
96.8416299808105		
SREBF2-regulon	Memory LGALS3	
0.0983165656403765	-0.000682323470889951	22923730.5
0.478745708671124	0.0167698776780656	0.0193603465876854
100	100	
SRF-regulon	Memory LGALS3	0.021879574761413
0.00113749739178909	25571580.5	0.534044161281393
0.000127645323344543	0.000163294017251578	98.7974098057354
97.9139857771758		
STAT1-regulon	Memory LGALS3	
0.0788837778917422	-0.000906323858804542	22934505
0.478970726394049	0.0179623339901688	0.0205697695693868
100	100	
STAT2-regulon	Memory LGALS3	
0.0537440510786676	-0.0127951239326764	15996933
0.334084499276829	8.64637242414836e-78	
3.96059640073893e-77	100	99.9616209504459
STAT5A-regulon	Memory LGALS3	0.08153654947251
32530017	0.679366128551751	0.0101710271935106
7.41865154244198e-90	100	100
TBP-regulon	Memory LGALS3	
0.0186080660402272	-0.00234916372861436	22857365.5
0.477359723132864	0.00643163266819118	0.00761076532402623
46.3459759481961	49.971780110622	
TCF12-regulon	Memory LGALS3	0.00957388908621255
0.000543114477409245	24881738	0.519637294278051

0.00376776271051324		0.00453408732960067		29.6947271045328
25.1111863641495				
TFDP1-regulon	Memory	LGALS3	0.540642823329645	
0.0127840782603946		30607825.5	0.639222534477082	
2.56244557112503e-55		7.27734542199509e-55	100	100
TFDP2-regulon	Memory	LGALS3		
0.0223213335926375		-0.00491900643623675	17510825.5	
0.365701060890324		1.3401734668611e-51		
3.73146337831913e-51		99.9074930619797	99.9977424088498	
TFEC-regulon	Memory	LGALS3	0.131604239891987	
0.0410404069476579		41719330	0.871278355245647	0 0
100	100			
THAP1-regulon	Memory	LGALS3	0.0372866152948135	
0.000124467466326619		24345431	0.508436906331582	
0.342421204868959		0.356124058276154	100	100
THAP11-regulon	Memory	LGALS3	0.182689680036914	
0.00431476137377865		29359862.5	0.61315972018818	
3.84170041017932e-37		8.26547664008279e-37	100	100
TP53-regulon	Memory	LGALS3	0.109011236406762	
0.0109145637026304		31795991	0.664036520765923	
4.43076837885903e-76		1.85049738175877e-75	100	100
USF2-regulon	Memory	LGALS3		
0.120285783648163		-0.0051224545486207	18362147	
0.383480301264157		2.81836633262855e-39		
6.67013365388756e-39		100	100	
XBP1-regulon	Memory	LGALS3		
0.193360211665938		-0.0019767473513069	26476352.5	
0.552939677101813		2.56554049121511e-09		
3.91727687905963e-09		100	100	
YBX1-regulon	Memory	LGALS3	0.0965789696536433	
0.00142925709366783		27037863	0.564666422111696	
3.41778006371225e-13		5.51505419371749e-13	100	100
YY1-regulon	Memory	LGALS3	0.665094237744678	
0.0262482212778856		33471291.5	0.699023972965712	
4.31620134306049e-111		2.7859117759754e-110	100	100
YY2-regulon	Memory	LGALS3		
0.0391018691841594		-0.0121906066303688	19107653.5	
0.399049671077741		6.27322020684229e-30		
1.25464404136846e-29		86.8640148011101	90.6197087707416	
ZBTB33-regulon	Memory	LGALS3	0.368196082680812	
0.00242790941401261		24431648	0.510237486684963	
0.249317369737237		0.264201988826027	100	100
ZNF143-regulon	Memory	LGALS3		
0.0228633572488197		-0.000478784756809687	23321650.5	
0.487055983143876		0.145234835029843	0.158641127494136	
100	99.9932272265493			
ZNF274-regulon	Memory	LGALS3		
0.0626963511716302		-0.00270973405284228	21897131.5	
0.457305923127664		1.55290709240591e-06		
2.16189026589842e-06		100	100	

ZNF76-regulon	Memory	LGALS3			
0.0116782396322569		-0.00294912450185108		18593536.5	
0.388312705403464		3.16568367617834e-36		6.7093594330944e-36	
99.3524514338575		99.4626933062422			
ATF1-regulon	Naive 1	0.0994937483497286		-0.0076685341756237	
77407532		0.350859097800407		3.4929913243409e-284	
8.70183803607732e-284		100	100		
ATF3-regulon	Naive 1	0.0472146595641573		-0.0043363608761183	
98865570		0.44812027715498		5.03404072686619e-36	
6.8079407925238e-36		100	100		
ATF4-regulon	Naive 1	0.100615083535986		-0.0092676464891993	
84786916		0.384307057523019		7.57246978229657e-172	
1.62922834710017e-171		100	100		
ATF5-regulon	Naive 1	0.104883315570558		-0.0154337696663472	
79303336		0.359452061093003		1.277143390204e-252	
3.07380273574522e-252		100	99.997489833827		
ATF6-regulon	Naive 1				
0.130336464396129		-0.00692233002360701		99983994.5	
0.453189672869959		1.21440988667672e-29			
1.58207526521187e-29		100	100		
ATF6B-regulon	Naive 1	0.0603519042839175		0.00348013220587956	
129952517.0625		0.589025663464387			
1.38860981788416e-102		2.34741183499465e-102		99.9277717587577	
99.919674682464					
BACH1-regulon	Naive 1	0.0465746590538568		0.00374942937768467	
122576137		0.555591319455568		4.1555646046626e-41	
5.67394397944317e-41		99.9277717587577		99.5130277624379	
BATF-regulon	Naive 1				
0.0139177459823071		-0.00612288663655771		101015870.5	
0.457866776932673		3.32316725021758e-27		4.1760154825743e-27	
46.4969302997472		52.4423916863296			
BATF3-regulon	Naive 1	0.0582674717802224		-0.0283570307705884	
50659151.5		0.229618794597716		0	0
100				100	
BCL11A-regulon	Naive 1	0.222128861398929		0.0200791245352361	
164088930.5		0.743753128755787		0	0
100				100	
BHLHE40-regulon	Naive 1	0.0578154410036894		0.0024651255707324	
119337457.5		0.540911608863133		4.9832117767633e-23	
6.1001385543137e-23		100	100		
BRF2-regulon	Naive 1				
0.034858185078847		-0.00769306493605722		81954186	
0.371467362645366		1.27544999755072e-211			
2.87482380400321e-211		99.2777175875767		99.7916562076409	
CEBPB-regulon	Naive 1	0.133391567450104		-0.0110489429042689	
75490017.5		0.342167729013592		0	0
100				100	
CEBPG-regulon	Naive 1	0.0554359809430864		-0.0143797575925541	
73488941		0.333097605250706		0	100
				0	100
CLOCK-regulon	Naive 1	0.0187798840378498		0.00362793507249291	

118355922.5	0.536462681534465		
7.07503329756486e-21	8.51402312079839e-21	54.9656915854099	
50.5547467242331			
CREB1-regulon Naive 1	0.0492961263910224	0.00720417751933879	
138655441	0.628472729687049		
1.99961178805767e-211	4.43663865475295e-211	100	
99.992469501481			
CREB3-regulon Naive 1	0.224781223646112	-0.0171065969504268	
62224358	0.282039506298813	0	100 100
CREB3L2-regulon Naive 1	0.123236992003311	-0.004032346188278	
113297014.5	0.513532562838325	0.00108034482308597	
0.00113636270280154	100	100	
CREB3L4-regulon Naive 1	0.0158198948768453	0.00537449010288813	
121167513	0.549206559045173		
2.45377281810306e-47	3.44985881357064e-47	38.4976525821596	
30.3529293639239			
CREB5-regulon Naive 1	0.0335759235329488	-0.0063766380931176	
97058434	0.439929212407397	1.05032201162358e-47	
1.49145725650548e-47	99.4763452509931	99.6435564034339	
CREM-regulon Naive 1	0.13766876480289	-0.014044933823086	
51721588.5	0.23443442012741	0	100 100
CTCF-regulon Naive 1	0.359900051749704	-0.0124610299878272	
77332371.5	0.350518423649729		
1.79197568762747e-285	4.54393835076966e-285	100	100
CUX1-regulon Naive 1	0.0770654149720365		
0.000418415809331815	120613697	0.546696320350217	
1.6613733006394e-29	2.14468189718904e-29	100	100
DDIT3-regulon Naive 1			
0.0811873789364411	-0.00423798067115229	100991866	
0.457757973603132	1.91553108279682e-24		
2.36526446745346e-24	100	100	
E2F1-regulon Naive 1	0.391633917757274	-0.0524640903273461	
32171056.5	0.145819244810388	0	0 100
100			
E2F2-regulon Naive 1			
0.0513125982131878	-0.00297099428319698	104433276.5	
0.473356587226298	1.23001521192886e-10		
1.35397023328604e-10	100	100	
E2F3-regulon Naive 1	0.0234027207777438	0.00260539932583722	
130919986.5	0.593410836912246		
1.00287736237646e-112	1.8026403222463e-112	100	100
E2F4-regulon Naive 1	0.353657985015137	-0.0512550574318989	
30952360.5	0.140295356268728	0	0 100
100			
E2F6-regulon Naive 1	0.0536957696693749	-0.0213057504177513	
52954546	0.24002295066054	0	0 100
E2F7-regulon Naive 1	0.0354598892540277	0.00556506035835446	
150103984.5	0.680364652084713	0	0 100
100			
E2F8-regulon Naive 1	0.0654653223913124	-0.0106284588377597	

66721051.5	0.302421319072471	0	0	100
100				
EGR1-regulon Naive 1	0.0500650007017968	0.00296370336024933		
131650042	0.596719902676987			
1.03580837460171e-120	1.88570242555695e-120	100	100	
EGR2-regulon Naive 1				
0.0447484746515752	-0.00148007230321334	108906103.5		
0.493630222172279	0.123905107212704	0.127496559595681		
100	99.994979667654			
EGR3-regulon Naive 1	0.0418686382301406			
0.000452752373182229	116594639	0.528479448846195		
6.0245906198417e-12	6.68353021888689e-12	100		
99.994979667654				
ELF1-regulon Naive 1	0.687322608464808	-0.0224636504756074		
69210981.5	0.313707231060805	0	0	100
100				
ELF2-regulon Naive 1	0.0442620588940406	0.0132193813439121		
158037844	0.71632583976662	0	100	
99.4703549374969				
ELF4-regulon Naive 1	0.0225365206809891	0.00465790117239422		
137129262	0.621555136874221			
1.72441414729292e-189	3.76718167562453e-189	99.3318887685085		
98.1977006877855				
ELK1-regulon Naive 1				
0.0614904884425879	-0.00519900535624154	86118789.5		
0.390343936913441	1.37313760747579e-154			
2.8674344156112e-154	100	100		
ELK3-regulon Naive 1	0.0720072214241673	0.00808900305163454		
140401932	0.636388913561462			
5.14683585070378e-238	1.19811588655727e-237	100	100	
ELK4-regulon Naive 1	0.0473067964898951	0.00263085024961334		
117235869.5	0.531385904444238			
3.42268784155488e-14	3.88817338800635e-14	96.7858432647165		
96.7217229780612				
ESRRA-regulon Naive 1	0.0720043505784193	-0.0224742925721011		
43291899	0.196225822381294	0	100	100
0				
ETS1-regulon Naive 1				
0.238948848802039	-0.00454484072752417	106279732		
0.481725872412378	1.01467267567113e-05			
1.09154181776742e-05	100	100		
ETV2-regulon Naive 1	0.0338065500335476	0.00592802081289096		
145972188.5	0.661636781819384	0	0	100
100				
ETV3-regulon Naive 1	0.0139037129649336	0.00281866697023079		
127592860.5	0.578330231750616	3.8915024259872e-80		
6.20891398303575e-80	88.5698808234019	83.7617350268588		
ETV5-regulon Naive 1	0.0343605232181816	0.00102155916163972		
118707690	0.53805711071334	3.83805670849403e-20		
4.5417004383846e-20	100	100		
ETV6-regulon Naive 1				

0.457139641586075		-0.00277378540413681	97438973.5
0.44165405419214	4.18361788389123e-45	5.76770620885976e-45	100
100			
ETV7-regulon	Naive 1	0.0667795491446797	0.00307928709612
132125174.5	0.598873498793262	4.66766911664367e-126	
8.72117124425529e-126	100	100	
FLI1-regulon	Naive 1	0.158577439885158	0.0166818982173994
150938382	0.68414666071479	0	100 100
FOS-regulon	Naive 1	0.0978402481285551	0.013170092413082
171823050	0.778808970479956	0	0 100
100			
FOSB-regulon	Naive 1	0.0510859895881914	0.0109487712289061
144004631.5	0.652718589286248		
7.08863431476598e-298	1.93574244749379e-297	99.9638858793788	
99.2343993172348			
FOSL1-regulon	Naive 1	0.0493429568356075	-0.0130425529122035
78568941	0.356123326014236	1.26244018336379e-264	
3.09080182823549e-264	100	100	
FOX01-regulon	Naive 1	0.0242738808682469	0.00863018280789686
131614353	0.596558137923378		
1.12179806554858e-134	2.15263953118782e-134	64.192849404117	
50.6953160299212			
FOX03-regulon	Naive 1	0.0285933396905618	0.0100796124263215
132265350.5	0.599508863642425		
5.47349415445458e-150	1.11033738561793e-149	61.2314915131817	
44.7487323660826			
GABPA-regulon	Naive 1	0.0296483891654215	0.00473882049617964
143443792	0.650176515719288		
4.10214908163135e-288	1.05910030834846e-287	100	100
GTF2B-regulon	Naive 1	0.0696707457804081	-0.0106910434832852
76985897	0.348947985640145	1.85908126517254e-291	
4.88869517878705e-291	100	100	
HINFP-regulon	Naive 1	0.0194669297771729	0.00368628309020568
120209399	0.544863790260994		
1.04426524086844e-28	1.33590688471457e-28	66.5583243048032	
62.7717254882273			
HIVEP3-regulon	Naive 1	0.0766273283909141	-0.00120808167187847
0.493884386695695	0.139623347227344	108962178	
99.8916576381365	99.6661478989909	0.142636800764624	
HOXB2-regulon	Naive 1	0.0424942912525993	0.00614106460807957
124705682	0.56524374239324	3.45724424506867e-56	
5.11384044583073e-56	88.1545684362586	83.1141121542246	
IKZF1-regulon	Naive 1	0.138099911529778	-0.00656552327712498
0.334624996947279	0	0	100 73825918.5
IRF1-regulon	Naive 1	0.149349487525028	0.0158403036175607
172170828	0.780385316762574	0	0 100
100			
IRF2-regulon	Naive 1	0.0900292861270492	0.00570516201620068

130488696.5	0.591455962284667		
3.88105659680692e-108	6.80382761415534e-108	100	100
IRF3-regulon Naive 1	0.146481022987133	0.00117830231278998	
116949100.5	0.53008608890927	3.67171457483785e-13	
4.1053816506061e-13	100	100	
IRF4-regulon Naive 1	0.0552074463067239	-0.0036504270505531	
102303098.5	0.463701295138775		
1.82241117705306e-18	2.1211671077175e-18	100	
99.994979667654			
IRF5-regulon Naive 1	0.0515533448302869	0.00513534089767739	
120611296.5	0.546685439790632	1.0589565709822e-29	
1.39233178777289e-29	87.5406283856988	79.4969626989307	
IRF7-regulon Naive 1	0.118415842049717	0.0120520638265773	
161846513	0.733589097419123	0	100
100			
IRF8-regulon Naive 1	0.0841484707000638	0.00270577787023209	
126938504	0.575364280953608		
4.80948972213702e-74	7.42334283199409e-74	100	100
IRF9-regulon Naive 1	0.043424841370145	0.0108304420879404	
164488023	0.745562064280161	0	100
100			
JUN-regulon Naive 1	0.103617744186319	0.0173328857747727	
177013491	0.802335278571606	0	100
100			
JUNB-regulon Naive 1	0.172318224164827	0.0142783633437699	
151605668.5	0.687171218316812	0	100
100			
JUND-regulon Naive 1	0.0476704440389509	0.0104934492046354	
165661359.5	0.750880355345252	0	100
100			
KLF11-regulon Naive 1	0.0271044928369587	0.00588642486188523	
120149517.5	0.544592370044872		
1.13102073391237e-33	1.51514098316563e-33	47.7609245214879	
39.8990913198454			
KLF12-regulon Naive 1	0.0497890609114082	0.00312025329907564	
119047274.5	0.539596318955983		
1.12958580697511e-21	1.37095029564501e-21	99.4221740700614	
98.4888799638536			
KLF13-regulon Naive 1	0.0708781995398091	0.00522362842574867	
151096918	0.6848652445075	0	100
KLF2-regulon Naive 1	0.131527237544162	0.0258315283415644	
178960003	0.811158082070595	0	100
100			
KLF3-regulon Naive 1	0.112243181356895	0.0458042279981848	
186938844.5	0.847323156164191	0	100
99.844369697274			
KLF4-regulon Naive 1	0.0214004139328155	0.00626528033728269	
123637415.5	0.560401693942446		
6.25732321329554e-55	9.1602051163708e-55	56.0671722643554	
48.9432200411667			

KLF6-regulon	Naive 1	0.0807844361043295	0.0129899411290758
144275732.5		0.653947387696625	
1.18315202897658e-302		3.29426643362106e-302	100 100
KLF7-regulon	Naive 1	0.0613758611132589	0.017514743232997
152004298.5		0.68897805750342 0	0
99.783315276273		97.2463477082183	
KLF8-regulon	Naive 1	0.0415582765348026	0.0187385325995408
157057988		0.711884522710622	0 0
93.1022029613579		75.4857171544756	
MAFB-regulon	Naive 1	0.0602032133855988	0.0050347882963361
130632100		0.592105956171973	
1.18633197159836e-109		2.10573924958709e-109	100
99.997489833827			
MAFF-regulon	Naive 1	0.0204373536110149	0.0091695248832348
126205845		0.572043414506976	
1.08977685881451e-105		1.8871745603861e-105	39.4185626579993
27.034489683217			
MAFG-regulon	Naive 1	0.0265017800268877	0.00124656699474225
111967991.5		0.507508603687477	0.0598842675395348
0.0620698247490069		58.974358974359	58.5496259852402
MAX-regulon	Naive 1	0.201556532689019	0.00442657210956376
128429075.5		0.582120478421536	
1.46210659635637e-87		2.41417600793726e-87	100 100
MAZ-regulon	Naive 1	0.125682996290055	-0.0120972484637506
58728904		0.266195933907914 0	0 100 100
MEF2A-regulon	Naive 1	0.0487408300644686	0.00909674420606227
148739420		0.674179596742031	0 0 100
99.997489833827			
MLX-regulon	Naive 1	0.0551449199680047	0.00252799629049878
120181148.5		0.544735741417602	
3.23505521427361e-27		4.10158786095404e-27	100
99.987449169135			
MXD4-regulon	Naive 1	0.0628867628255257	-0.0333529964358842
92839121		0.420804660645205	1.09845476034119e-81
1.77250654509601e-81		82.6110509209101	89.4372207440133
MXI1-regulon	Naive 1	0.0857964788295568	0.0234259975689206
173219782		0.785139828947178	0 0 100
100			
MYBL1-regulon	Naive 1		
0.0247812843291018		-0.00581914293277874	110162675
0.499325786045982		0.870123290546145	0.876294377713139
82.3040808956302		79.7479793162307	
MYC-regulon	Naive 1	0.270596930300293	-0.0504409958171291
41856068.5		0.189717745185082	0 0 100
100			
NFATC1-regulon	Naive 1	0.0373883528332971	-0.0149546590518981
85994381.5		0.389780042451089	
3.49413372250688e-156		7.40547744173099e-156	90.9895269050199
95.3612129122948			
NFE2L1-regulon	Naive 1	0.129935794782367	-0.0600616907434827

60841546	0.275771741932581	0	0
99.9819429396894	99.929715347156		
NFE2L2-regulon	Naive 1	0.0990156112873432	-0.013514295087461
74474447	0.33756453162212	0	100 100
NFKB1-regulon	Naive 1	0.0464194858588007	-0.0116740982596429
88900754.5	0.402953533225236		
1.62984304848687e-121	3.00568458292385e-121		99.9819429396894
99.92469501481			
NFKB2-regulon	Naive 1		
0.0709733435073124	-0.00273733235298666		104921509
0.475569560693361	3.61197890635603e-09		
3.91527484505768e-09	100	100	
NFYA-regulon	Naive 1	0.0243868905394688	0.00391647849848029
132590534	0.6009827975928	2.08463559929945e-131	
3.94691006800696e-131	99.7472011556519	98.9156082132637	
NFYB-regulon	Naive 1	0.0937450417396988	-0.0169483482920082
54131097.5	0.245355814105995	0	0 100
100			
NFYC-regulon	Naive 1		
0.0755887230109528	-0.00905061525087129		67674957.5
0.306745014582443	0	0	100
NR1H3-regulon	Naive 1	0.0107835990155287	0.00256188029894533
115469525.5	0.523379734421337		
7.45058991103023e-15	8.53212715617978e-15		25.8757674250632
21.5798985892866			
NR2C2-regulon	Naive 1	0.0254960649075528	0.00422562027328195
123626067	0.560350255479437		
8.73687229205504e-49	1.25316754088062e-48		81.1303719754424
75.2623123650786			
NR3C1-regulon	Naive 1	0.229405266704297	0.00447368013098776
123278708.5	0.558775810631831		
9.56189080659947e-46	1.33116519072267e-45		100 100
NRF1-regulon	Naive 1		
0.0260322675912731	-0.000793776303412937		108197722
0.490419396461048	0.0206597133629479		0.0215711713054309
99.9277717587577	99.972388172097		
PAX5-regulon	Naive 1	0.105642143422252	0.00612158480326205
130115970	0.589766533877154		
2.99130070930986e-104	5.1176469966506e-104		100 100
POU2F1-regulon	Naive 1	0.00673911006745123	0.00211757232678099
121218610.5	0.549438164707912		
4.85625135897421e-70	7.41492142983159e-70		26.9772481040087
17.1469451277675			
POU6F1-regulon	Naive 1	0.0383048533989226	0.00831789705995796
125078562	0.566933866558261		
2.88134883630719e-61	4.30685826058548e-61		71.9212712170459
64.4409859932728			
REL-regulon	Naive 1	0.251352511014118	-0.014077598181879
68234594.5	0.309281637671211	0	0 100
100			

RELA-regulon	Naive 1	0.0971152311856447	0.0057528921576134
140839487.5		0.63837218733342	6.33112951509298e-245
1.49836731857201e-244		100	100
RELB-regulon	Naive 1	0.0949756123100796	-0.0116271204795729
60798545		0.275576834645464	0
			100
			100
REST-regulon	Naive 1	0.220612927761584	0.00227171095253151
118617884.5		0.537650056310579	
9.53023020231813e-20		1.11842370969353e-19	100
			100
RFX5-regulon	Naive 1	0.0638986312395765	-0.00165139031171137
0.516109469606874		9.97658653552381e-05	113865539
0.000106516938950705		100	100
RXRA-regulon	Naive 1	0.0153582536933928	
0.000943233668151345		115906090	0.525358516364697
3.61103679953095e-10		3.94436327333381e-10	67.8945467677862
63.7582207942166			
SETDB1-regulon	Naive 1	0.0572728029401434	-0.00278457239828518
0.469501288361599		1.74163031980833e-13	103582709.5
1.96278972549828e-13		91.6215240158902	95.5293940458858
SOX5-regulon	Naive 1	0.00994298148782617	0.00243712102506362
115760459.5		0.524698428327757	
3.33005786249604e-16		3.84445704450763e-16	26.489707475623
21.9388523520257			
SP1-regulon	Naive 1	0.0183397988669252	0.00608907824296489
132433277.5		0.600270013290192	
1.95385722725924e-138		3.80065378453167e-138	71.0906464427591
58.2559365429991			
SP2-regulon	Naive 1	0.0280741182478414	-0.000189120357203816
0.493948450777835		0.143817764905092	108976312
			0.145872304403736
		100	100
SP3-regulon	Naive 1	0.0348153284503518	0.00745532776108779
164853254		0.747217518417993	0
			0
			100
SP4-regulon	Naive 1	0.0123160437892243	0.00418942590725782
121208224		0.549391086627457	
4.07929115925914e-50		5.9108096389265e-50	36.7280606717226
27.9431698378433			
SPI1-regulon	Naive 1	0.413173482078442	-0.00611592532095689
0.421668859458633		7.73302441454239e-80	93029783
			1.2200994076278e-79
		100	100
SPIB-regulon	Naive 1	0.536906751711274	-0.0313735076146372
43532592		0.197316792815888	0
			0
			100
			100
SREBF1-regulon	Naive 1	0.04193858647236	0.0011489296791837
113701616		0.515366468578385	0.000205832138753365
0.000218120624649089		96.677500902853	96.9250464380742
SREBF2-regulon	Naive 1	0.102489438655468	0.00399429609392338
129572876.5		0.587304896223711	

1.02381184259678e-98	1.71036801939697e-98	100	100
SRF-regulon Naive 1	0.0248375341711046	0.00463391267491998	
133971131	0.607240522200865		
6.07811824104271e-148	1.21562364820854e-147	99.0249187432286	
97.7835232692404			
STAT1-regulon Naive 1	0.0869391694988802	0.00816747412620478	
153221200	0.694493812254546	0	0 100
100			
STAT2-regulon Naive 1	0.0774921832513154	0.0128228131650225	
146000284	0.661764128106335	0	0 100
99.957327175059			
STAT5A-regulon Naive 1	0.0624296851688848	-0.0104540244265462	
76730924	0.34779228936057	6.69477745837647e-296	
1.79369509262162e-295	100	100	
TBP-regulon Naive 1			
0.0204181707776482	-0.000550250885932017	110226943.5	
0.499617090875685	0.921198731390781	0.921198731390781	
49.6749729144095	49.914654350118		
TCF12-regulon Naive 1	0.0123994716799855	0.00382225241106188	
117742883	0.533684005088793		
1.46001786750128e-26	1.81861874723844e-26	30.3358613217768	
24.5092625131784			
TFDP1-regulon Naive 1	0.489047995734102	-0.044552842774014	
34993905.5	0.158614152848107	0	0 100
100			
TFDP2-regulon Naive 1	0.028609361289723	0.00169280974672033	
125866229	0.570504063486735		
4.92876394458814e-65	7.44557957586719e-65	100	
99.994979667654			
TFEC-regulon Naive 1			
0.0833258248866372	-0.00935781247894625	87288637.5	
0.395646415925995	3.43561012826534e-140		
6.77578664185664e-140	100	100	
THAP1-regulon Naive 1	0.0381833850263545	0.00115982503537684	
118736387	0.538187183372543		
2.86429583771624e-20	3.4178992349219e-20	100	100
THAP11-regulon Naive 1			
0.176174197804569	-0.00262373027570073	93304832	
0.422915552661446	2.23876842367627e-77		
3.49346281496737e-77	100	100	
TP53-regulon Naive 1	0.0839797873624619	-0.0163754815157924	
60445998.5	0.273978874553897	0	0 100
100			
USF2-regulon Naive 1	0.132136105431948	0.00780212553416056	
144925527.5	0.656892662937479	0	0 100
100			
XBP1-regulon Naive 1			
0.194389562042917	-0.00102545863799194	127981479.5	
0.580091694856404	2.21384658536177e-83		
3.61340477151001e-83	100	100	

YBX1-regulon	Naive 1			
0.0908695779973771		-0.00491391166300309		81252018.5
0.368284702648471		3.99402478873459e-222		
9.14760516129535e-222		100	100	
YY1-regulon	Naive 1	0.59927370717949	-0.045785617586778	
35253959	0.159792877114756	0	0	100 100
YY2-regulon	Naive 1	0.0774843771438548		0.0301637070256276
	164104112.5	0.743821943025991		0 0
99.1513181654027	89.3317937647472			
ZBTB33-regulon	Naive 1			
0.363108948570616		-0.00309477257619711		99794221.5
0.452329503557664		1.11415998333977e-30		
1.47860483770325e-30		100	100	
ZNF143-regulon	Naive 1	0.0279620259769666		0.00527509968887765
	149469414	0.677488383750506		0 0 100
	99.992469501481			
ZNF274-regulon	Naive 1	0.0745978069296128		0.0105430188916002
	151866756	0.688354629314814		0 0 100
	100			
ZNF76-regulon	Naive 1	0.0171588932608143		0.0029634687795554
	134150746.5	0.608054651403188		
3.64015012827504e-150		7.4913234523921e-150		99.7110870350307
99.4251719463828				
ATF1-regulon	Naive 2			
0.103720419761196		-0.00301977486447313		134129971.5
0.461349047087692		8.45304579141804e-27		
1.25034635664725e-26		100	100	
ATF3-regulon	Naive 2			
0.0469071697560528		-0.00495829510331563		126897038.5
0.436470888165552		1.87509820215598e-69		
4.51294821535846e-69		100	100	
ATF4-regulon	Naive 2			
0.106893656967002		-0.00223895771692879		145690737.5
0.501113078333339		0.757598802803502		0.762971843958136
	100 100			
ATF5-regulon	Naive 2			
0.114005683445814		-0.00533565134139753		132948950.5
0.4572868460237	2.32359120211151e-32	3.70730281685208e-32		100
	99.9973443101846			
ATF6-regulon	Naive 2	0.13080361948783	-0.00676069988154043	
134287494.5	0.46189085802772	4.24025379611435e-26		
6.14404121477794e-26		100	100	
ATF6B-regulon	Naive 2	0.058965355797645		0.00201103393187438
	167738692.273438	0.576948499836861		
5.0417947935419e-101		1.46109155241418e-100		100
99.9043951666445				
BACH1-regulon	Naive 2	0.043329962450787		
5.67896557510661e-05		146751929.5	0.504763119502379	
0.186593287277441		0.196268494765901		99.9740966196089
99.4794847961758				

BATF-regulon	Naive 2			
0.0122704387114778		-0.00846293380821503		126151954
0.433908119977125		2.71719663413585e-84		
7.28003626504323e-84		43.9062297629841	53.3182844243792	
BATF3-regulon	Naive 2			
119595212.5		0.0718771948485954		-0.013600653243612
2.09795119607805e-133		0.411355767142059		
BCL11A-regulon	Naive 2			
196708398.5		7.26607487422153e-133	100	100
100		0.217521276288572		0.0156908347169611
BHLHE40-regulon	Naive 2			
153164027		0.676591750428583	0	0
1.03683548428993e-13		0.0570073552639765		0.00163425770712054
BRF2-regulon	Naive 2			
0.0408113581965403		0.526817959583056		
0.485997828154099		1.31455927472474e-13	100	100
0.000122321105442888		-0.000965214115899532		141296216.5
CEBPB-regulon	Naive 2			
143887280.5		0.000103369948261595		
0.168836016419394		99.8445797176532	99.7052184304873	
CEBPG-regulon	Naive 2			
0.0605459218634649		0.140674244103109		-0.0029135321103049
0.418933910969659		0.494909966835521		0.158135142139292
2.01022858087726e-111		100	100	
CLOCK-regulon	Naive 2			
8.03419331804472e-05		-0.00905569257121433		121798438.5
0.166243383492385		6.79513886493721e-112		
50.9201965210463		100	100	
CREB1-regulon	Naive 2			
164073174		0.0156613984524288		
3.42711990386211e-71		146731129	0.504691574785365	
99.9920329305537		0.176168361611333		51.9362776842378
CREB3-regulon	Naive 2			
0.233373661506881		0.0457501433941445		0.00334875845303644
0.448032939909334		0.564340703506025		
8.20961181893568e-47		8.39053493704172e-71	100	
CREB3L2-regulon	Naive 2			
0.123835908209614		-0.00774404857099528		130258523
1.48604471423969e-21		4.50950508364073e-47		
CREB3L4-regulon	Naive 2			
154658603.5		100	100	
6.78353484005333e-27		0.00354439478612216		155399492
CREB5-regulon	Naive 2			
0.035344756791143		1.08837077662625e-21		
0.470873602424317		100	100	
8.62465236319608e-16		0.013612133761585		0.00302561594350836
CREM-regulon	Naive 2			
0.147441492588279		0.531958655852232		4.5382803507399e-27
0.437273045104369		35.9668436730993	30.3996813172222	
		-0.00461479034470321		136899086
		6.6810687320533e-16		
		99.8057246470664	99.585712388793	
		-0.00308258604844766		127130253
		9.31896573533807e-68		

2.16933300724263e-67	100	100	
CTCF-regulon Naive 2			
0.368959164263314	-0.00226679652735329		146178039
0.502789184576823	0.439292374531925		0.458672920467157
100 100			
CUX1-regulon Naive 2			
0.0754837631925271	-0.00146328992523855		147364525.5
0.506870184595207	0.0567834039789187		0.0615514760687516
100 100			
DDIT3-regulon Naive 2	0.086994736432066		0.00251445969311143
159923554.5	0.55006780848717	8.04512846829415e-44	
1.41038054629354e-43	100	100	
E2F1-regulon Naive 2	0.419827668164519		-0.0215308674009209
116270686	0.399920834921912		
1.73780165466659e-169	7.47781318068653e-169	100	100
E2F2-regulon Naive 2			
0.0516545010868104	-0.00273122521472591		141831838.5
0.487840136003238	0.000747045742759246		
0.000855487866708169	100	100	
E2F3-regulon Naive 2	0.0224790631393359		0.00164339421968682
163633549.5	0.56282858550672	5.69675793177348e-68	
1.34823271051972e-67	100	100	
E2F4-regulon Naive 2	0.382550184012292		-0.0194100798373943
119791827.5	0.412032037642073		
2.08529590607442e-131	7.05028615863255e-131	100	100
E2F6-regulon Naive 2	0.0619574974259661		-0.012585163363678
119145231	0.409808025545528		
4.93350581823523e-138	1.79630211843437e-137	100	100
E2F7-regulon Naive 2	0.0317955215877111		0.00147195664133161
162100858	0.557556790134689		
2.44955475986103e-57	5.04111269420675e-57	100	100
E2F8-regulon Naive 2			
0.0691021116734863	-0.00686213232534184		119158405
0.409853338403485	6.75774620964786e-138		
2.39899990442499e-137	100	100	
EGR1-regulon Naive 2	0.0489318712830744		0.00177004737648825
162840040	0.560099256277868		2.3782645771809e-62
5.36053285650298e-62	100	100	
EGR2-regulon Naive 2	0.0477948596127311		0.00210515585133435
161671251	0.556079127999554		
1.59846616796075e-54	3.15253049792259e-54	100	
99.9946886203691			
EGR3-regulon Naive 2	0.0437438201785657		0.00273868025852006
166751178.5	0.573551879877382		
1.86839587782614e-92	5.20220028728063e-92	100	
99.9946886203691			
ELF1-regulon Naive 2	0.706165187440606		-0.0010597807473488
158322128.5	0.544559596185183		
4.54638841461433e-35	7.33621766903676e-35	100	100
ELF2-regulon Naive 2	0.0370072416108785		0.00524337073265197

174591362.5	0.600518719405802		
5.83422406683674e-171	2.5889369296588e-170	99.9870483098044	
99.4423051387598			
ELF4-regulon Naive 2	0.0196351628382664	0.00143166786441255	
159045512.5	0.54704772404614	6.74201717612985e-39	
1.1397219512029e-38	99.0545266157233	98.188819545877	
ELK1-regulon Naive 2	0.0660828377610898	3.3580329156721e-05	
144876397	0.498312099480675	0.63976808587306	
0.653576030172478	100	100	
ELK3-regulon Naive 2	0.0666631441903325	0.00211809467556849	
155242473.5	0.533966915938406	4.5803227306163e-21	
6.13590403535391e-21	100	100	
ELK4-regulon Naive 2			
0.0444250554091248	-0.000689259621217339	144819698.5	
0.498117081181232	0.601595704874556	0.619033261537587	
97.3319518197125	96.606028415881		
ESRRA-regulon Naive 2	0.081454390094295	-0.0123894801331825	
112638476.5	0.387427606354814		
6.82921261015043e-214	4.4079463210971e-213	100	100
ETS1-regulon Naive 2	0.243545441367119		
0.000730782613994452	157127399	0.540450243814579	
3.39924651102975e-29	5.24666309311113e-29	100	100
ETV2-regulon Naive 2	0.030928141825087	0.00280307641154799	
169896216	0.584369447624945		
4.90918080947135e-121	1.5491192776554e-120	100	100
ETV3-regulon Naive 2	0.0124678827564206	0.00125183437043077	
156300038	0.53760448007752	1.51116812640771e-25	
2.16753408030197e-25	86.8281310711048	83.8401274731111	
ETV5-regulon Naive 2	0.0340154424617778		
0.000664944615026516	153527724	0.52806891984572	
7.08297894039355e-15	9.06110819401698e-15	100	100
ETV6-regulon Naive 2	0.471916799009759	0.0148725596156444	
188926749	0.649826244244938	0	0
100			100
ETV7-regulon Naive 2			
0.0632592730567659	-0.000984289162925242	148832751.5	
0.511920246549551	0.000948873375558587	0.00107792015463455	
100	100		
FLI1-regulon Naive 2	0.155468688462096	0.0139028218460203	
188316601.5	0.647727600932336	0	0
100			100
FOS-regulon Naive 2	0.0900700877034922	0.0045702122455107	
177603105.5	0.610877811766625		
1.45453125469705e-207	8.26173752667927e-207	100	100
FOSB-regulon Naive 2	0.0438871744631174	0.00290861009432487	
160432911.5	0.55181977610447	8.13843427232374e-47	
1.46285780591136e-46	99.909338168631	99.2032930553711	
FOSL1-regulon Naive 2	0.0522992438953064	-0.0102362167386924	
120767122	0.415386628589741		
1.00370255645644e-121	3.23922188674577e-121	100	100

FOX01-regulon	Naive 2	0.0204876308338786	0.00456790176979148
162264038		0.558118058706223	
2.70063024672882e-65		6.18531443605634e-65	59.8756637741225
50.7980347895366			
FOX03-regulon	Naive 2	0.0227318636252183	0.00360061776387648
159484956		0.548559219483786	
2.34944123463478e-48		4.38974546471234e-48	54.5395674135475
45.1653166910105			
GABPA-regulon	Naive 2	0.0268982126610997	0.00169945881998928
162510515		0.558965832904692	
4.34036298158848e-60		9.33835671796309e-60	100 100
GTF2B-regulon	Naive 2	0.0753309003994177	128075938
0.440525792187783		-0.00449009731230737	
9.28838007727092e-61		4.25172327480711e-61	
HINFP-regulon	Naive 2	0.0172095407962896	0.00117973345773619
149238141		0.513314610966637	
0.000152352372424764		0.000178793693258814	63.4114751975133
63.1974505377772			
HIVEP3-regulon	Naive 2	0.0811796257417061	0.00420760820462743
158627433.5		0.545609713241393	
1.16631222441287e-36		1.92577134728637e-36	99.909338168631
99.6494489443633			
HOXB2-regulon	Naive 2	0.040942886255577	0.00462757080631503
162166522.5		0.557782647593418	5.1332159123778e-58
1.07193626405536e-57		89.2371454474809	82.5999203293055
IKZF1-regulon	Naive 2	0.144891727188101	0.00123829799490008
151837372.5		0.522254842312957	6.7921792500959e-10
8.46043380275104e-10		100 100	
IRF1-regulon	Naive 2	0.140672992475455	0.0063030507541352
182683614.5		0.628352563752764	
2.01575738499684e-277		2.38531290557959e-276	100 100
IRF2-regulon	Naive 2	0.0898018268270522	0.00576181254029308
172762907.5		0.594229625607756	
1.74709082325419e-150		7.08819705434557e-150	100 100
IRF3-regulon	Naive 2	0.149504761866843	0.00489035673729007
178008666		0.612272764349698	
9.12632098126681e-213		5.63451121452125e-212	100 100
IRF4-regulon	Naive 2	0.0551735136207373	-0.0039029462859982
134180696		0.461523517412835	
1.42430345182199e-26		2.08506278514147e-26	100
99.9946886203691			
IRF5-regulon	Naive 2	0.0535044391439135	0.00778421368362221
165164684		0.568095025472661	
4.24180242261243e-80		1.09515626183812e-79	90.0531019298018
78.5154693931749			
IRF7-regulon	Naive 2	0.112440462969942	0.00555016113661727
179256615.5		0.616565170485329	
3.50552383906211e-229		2.37040183403247e-228	100 100
IRF8-regulon	Naive 2	0.082112653755049	

0.000409389167369892	155499162.5	0.53484981499686	
4.32119361009675e-22	5.95737371489066e-22	100	100
IRF9-regulon Naive 2	0.0369984459968633	0.00371422216017368	
174922236	0.601656781035314		
8.31220155063289e-175	3.80752458125765e-174	100	100
JUN-regulon Naive 2	0.0946104115950572	0.00748348904087875	
181232823.5	0.623362470652108		
1.96052289782761e-256	1.73996407182201e-255	100	100
JUNB-regulon Naive 2	0.169659892614883	0.0119027217229819	
191107759.5	0.657327976367972	0	0 100
100			
JUND-regulon Naive 2	0.0435860797480566	0.00617994729386931	
190962695	0.656829017275587	0	0 100
100			
KLF11-regulon Naive 2	0.0234255679221186	0.00179440968561947	
152014633	0.522864541710092		
1.08852960654502e-12	1.36788676220701e-12	45.1107369511721	
39.9867215509229			
KLF12-regulon Naive 2	0.0492081463697743	0.00260111732007424	
156076197.5	0.536834565641396		
1.72426482727674e-24	2.44845605473297e-24	99.4689807019816	
98.4251759394503			
KLF13-regulon Naive 2	0.0670147018529606	0.00087076983631755	
167328016.5	0.575535952927184		
2.09631436980837e-97	5.95353281025576e-97	100	100
KLF2-regulon Naive 2	0.117313261742195	0.0102005858473289	
182143409.5	0.626494492367265		
1.6459575970787e-269	1.55817319190117e-268	100	100
KLF3-regulon Naive 2	0.0858493533869234	0.0166538971458312	
193426239.5	0.665302544070701	0	0 100
99.8353472314434			
KLF4-regulon Naive 2	0.0154579100487158	-0.000532487536004168	143416547.5
0.493290849060769	0.0465498220736236	0.0508467287265734	
48.5688382333895	50.0677200902935		
KLF6-regulon Naive 2	0.0735220815293188	0.00499154623567749	
161820597.5	0.55659281531858	1.71190739871143e-55	
3.42381479742287e-55	100	100	
KLF7-regulon Naive 2	0.0540366845459538	0.00968609387858452	
179323772	0.616796159778283		
4.37115455802107e-230	3.10351973619496e-229	99.6503043647196	
97.1265436197052			
KLF8-regulon Naive 2	0.0320692230677985	0.00839013070194468	
179216952	0.616428745212703		
3.26073048067559e-231	2.4369669908207e-230	89.3407589690455	
75.2356924711194			
MAFB-regulon Naive 2	0.0576349617537632	0.00223181277661038	
159594814.5	0.548937085174225		
6.08591068665848e-42	1.04120399699458e-41	100	
99.9973443101846			

MAFF-regulon	Naive 2	0.0164347232987904	0.00487776335814122
158674949		0.545773145995473	4.239150443594e-57
8.59941947129069e-57		35.5005828260588	27.1199043951666
MAFG-regulon	Naive 2		
0.0240803434458146		-0.00159910690124104	141947943
0.488239485230249		0.000716463586958764	
0.000827136823968654		57.6997798212667	58.7863497543487
MAX-regulon	Naive 2	0.202980406054011	0.00639902954483396
182178637		0.626615659719905	
5.05798172520678e-270		5.13023860699545e-269	100 100
MAZ-regulon	Naive 2		
0.133462889411605		-0.00342344320848351	134796248
0.463640749866231		6.65334621199506e-24	
9.35420952577523e-24		100 100	
MEF2A-regulon	Naive 2	0.0441211423416171	0.00405718086758732
169132187.5		0.581741520275965	
9.83323572080058e-114		2.97089249436954e-113	100
99.9973443101846			
MLX-regulon	Naive 2		
0.0515410663064074		-0.00166825514613594	139752500
0.480688111553969		8.56375892147751e-08	
1.05743805813027e-07		100 99.9867215509229	
MXD4-regulon	Naive 2	0.0649035206340803	-0.0328563077862643
125258704.5		0.430835728318288	
4.30213193743368e-82		1.13130136132515e-81	86.128739800544
89.1116717567388			
MXI1-regulon	Naive 2	0.0748649478045778	0.0116110938616708
190667403		0.655813340605496	0 0 100
100			
MYBL1-regulon	Naive 2		
0.0217929192944696		-0.00975761699555188	133458273.5
0.459038696695716		4.0347123844671e-30	
6.30805108019565e-30		80.4688511850796	79.9760987916611
MYC-regulon	Naive 2	0.296047276450633	-0.0226964144056556
130243621.5		0.447981685199083	
3.67048065543062e-47		6.76893835157335e-47	100 100
NFATC1-regulon	Naive 2		
0.0423661891108812		-0.00982311534664348	129632725.5
0.445880467370451		6.56894677747454e-51	
1.24372058986851e-50		94.5602901178604	94.8824857256672
NFE2L1-regulon	Naive 2	0.15520597074449	-0.0330919700273945
118011593.5		0.405908803212748	4.76632782919054e-150
1.88005153262516e-149		99.9870483098044	99.925640685168
NFE2L2-regulon	Naive 2		
0.107685524362912		-0.00385012646334537	142926187
0.491604221181298		0.019912456291405	0.0220903811982774
100 100			
NFKB1-regulon	Naive 2		
0.0502262103106653		-0.00776361167812641	132166741.5
0.454596385623703		2.40950970908554e-36	

3.93276297344996e-36	99.9740966196089	99.9229849953525	
NFKB2-regulon Naive 2			
0.0702947639260835	-0.00371374514290607	133410957	
0.458875948415504	4.04248343871693e-30		
6.30805108019565e-30	100 100		
NFYA-regulon Naive 2	0.021841998671934	0.00107681999843847	
155355862.5	0.534356925020755		
1.62608112673379e-21	2.19908114282094e-21	99.6762077451107	
98.8819545877042			
NFYB-regulon Naive 2	0.0994389162886248	-0.0110695272267946	
108452282	0.373028909166551		
1.57748567291831e-271	1.72309973503385e-270	100 100	
NFYC-regulon Naive 2			
0.0806741316813329	-0.00344716256903579	130966255	
0.450467231664876	6.30744106466066e-43		
1.09226418436806e-42	100 100		
NR1H3-regulon Naive 2	0.010570361609291	0.00245344115798548	
152462462.5	0.524404881358064		
1.17921126564742e-20	1.55044444186976e-20	25.8515736303588	
21.3358119771611			
NR2C2-regulon Naive 2	0.0232606531858727	0.00177682162167171	
154563894	0.531632896164919		
1.02228552982361e-18	1.33178481866929e-18	79.7694599145188	
75.2011685035188			
NR3C1-regulon Naive 2	0.230787921903469	0.00639919881492265	
172381109	0.592916404019884		
2.24658219188475e-146	8.62201814182797e-146	100 100	
NRF1-regulon Naive 2			
0.0261684297943912	-0.000675712767140558	144613284.5	
0.497407106362475	0.47216501240003	0.489397312122658	
99.9611449294133	99.9681317222148		
PAX5-regulon Naive 2	0.1061628368661	0.00710393523039279	
176287986	0.606354369903884	3.85708556985707e-191	
1.9560933961418e-190	100 100		
POU2F1-regulon Naive 2	0.00507733604635108		
0.000237822025570598	148843951	0.511958767982122	
8.9846509476983e-07	1.09044481587449e-06	20.2305400854812	
17.9604302217501			
POU6F1-regulon Naive 2	0.0313450670716712		
0.000413255044197213	149178482	0.513109409828574	
0.000204797714194798	0.000238371109964437	67.4783059189224	
64.9183375381755			
REL-regulon Naive 2			
0.261550452254701	-0.00260474238844849	142375243	
0.489709212283912	0.00432481235863122	0.00487399488036217	
100 100			
RELA-regulon Naive 2	0.0948918628116588	0.00340714790697165	
170313800.5	0.585805757563724		
4.00827964286268e-125	1.32366444020116e-124	100 100	
RELB-regulon Naive 2	0.10021632977293	-0.00598588315153176	

113839576.5	0.391558870488103	1.24317857654401e-198	
6.5381984396018e-198	100	100	
REST-regulon	Naive 2	0.225131562291883	0.00784857207207001
193207994.5	0.664551875732703	0	0 100
100			
RFX5-regulon	Naive 2		
0.0637968641570769	-0.00186976152897249	150096166	
0.516265845591535	6.47613423311576e-06	7.7933140771393e-06	
100	100		
RXRA-regulon	Naive 2	0.0134087367347309	-0.0013513408217881
141331065	0.486117691910779		
8.13881540656305e-05	9.71186376245338e-05	63.7093640720114	
64.3765768158279			
SETDB1-regulon	Naive 2	0.0623584485443716	0.00318243154254615
155539217	0.534987585140251		
2.95618646537695e-22	4.11547527532869e-22	95.4410050511592	
94.9727791793918			
SOX5-regulon	Naive 2	0.00832043103480123	
0.000623162343381356	146823168.5	0.505008150828323	
0.057486962550783	0.0618420354712969	23.1576220696801	
22.3582525561014			
SP1-regulon	Naive 2	0.015315250728299	0.00279736562753777
160679583	0.552668219298754		
1.57436187463167e-51	3.02107278645538e-51	66.0665716876052	
58.5420262913292			
SP2-regulon	Naive 2		
0.0277133449170487	-0.000634832756561864	139836664	
0.480977599285643	1.33075860073946e-07		
1.62903208021555e-07	100	100	
SP3-regulon	Naive 2	0.0307291306752935	0.00296348525043611
175636874	0.604114826441762		
2.91689818393762e-183	1.42827428316946e-182	100	100
SP4-regulon	Naive 2	0.0106411998693472	0.0024140388151638
154589894	0.531722324911456		
5.03315435916113e-28	7.60327573405191e-28	33.7262012692656	
28.049395830567			
SPI1-regulon	Naive 2	0.425128113790775	0.00793539066903631
164388093	0.56542388856105	1.51719675629859e-73	
3.77968314727018e-73	100	100	
SPIB-regulon	Naive 2		
0.556267625719468	-0.00986160609098696	113826122.5	
0.391512594551337	8.44796138866131e-199		
4.61388660457656e-198	100	100	
SREBF1-regulon	Naive 2		
0.0407759231875681	-0.000185525126846296	145723655	
0.501226300285806	0.733830146599973	0.744313434408544	
97.0340629452143	96.8662860177931		
SREBF2-regulon	Naive 2	0.104564882316525	0.00672686494101357
189918633.5	0.653237897612031	0	0 100
100			

SRF-regulon	Naive 2	0.0231686667508819	0.00289149608507328
166314093.5		0.572048496658916	
8.59253422799264e-89		2.34642280841337e-88	99.0027198549411
97.7161067587306			
STAT1-regulon	Naive 2	0.0834923897378786	0.00448744538054802
177628807		0.61096621380236	6.83841445900181e-208
4.04606188824274e-207		100	100
STAT2-regulon	Naive 2	0.0739738131030225	0.00932640199227804
180951321.5		0.622394225613353	
1.85552083796145e-252		1.54990564112074e-251	100
99.9548532731377			
STAT5A-regulon	Naive 2		
0.0668673772932277		-0.00571246068969752	127998107
0.440258087235025		1.24108469060338e-61	
2.75365665727625e-61		100	100
TBP-regulon	Naive 2		
0.0190191852258313		-0.00226799264886471	142905947
0.491534604341687		0.0120525427487768	0.0134760714198921
49.7085869705997		49.9216571504448	
TCF12-regulon	Naive 2	0.00960083571226177	
0.000671358010369187		147056428.5	0.505810464267446
0.0346704085420747		0.0381643256819737	26.0199456029012
25.0564334085779			
TFDP1-regulon	Naive 2	0.515282114766877	-0.0155224210649317
116670433		0.401295791581216	
6.44385289492237e-165		2.69125620905581e-164	100
TFDP2-regulon	Naive 2		100
0.0264447820484241		-0.000817468940733833	145252406
0.499605407694391		0.912875194438426	0.912875194438426
100		99.9946886203691	
TFEC-regulon	Naive 2		
0.0870584846891417		-0.00540229351580983	130672420
0.449456566444157		1.26631284578035e-44	
2.24770530126012e-44		100	100
THAP1-regulon	Naive 2	0.038537992229535	0.00165438231870561
161330975.5		0.554908727559468	
2.40724189346661e-52		4.68258012153779e-52	100
THAP11-regulon	Naive 2	0.180927080027543	0.00295160316097004
164662117		0.566366412516475	
1.26194446034978e-75		3.19993059588695e-75	100
TP53-regulon	Naive 2		100
0.0938250885915372		-0.00546078990985582	128466022.5
0.441867514029264		1.87437053284861e-58	
3.97254650245526e-58		100	100
USF2-regulon	Naive 2	0.132644079252153	0.00886657541084916
197964310		0.680911542398057	0
100			0
XBP1-regulon	Naive 2		100
0.192521415235118		-0.00333611076274126	157102383
0.540364199602142		4.45026983744113e-29	

6.79503566577033e-29	100	100		
YBX1-regulon	Naive 2			
0.0936940840004509		-0.00179513022003032	135493046.5	
0.46603743511407	4.63324726584135e-21		6.14879543691095e-21	100
	100			
YY1-regulon	Naive 2	0.63104953981379	-0.0101486456462108	
121109868		0.416565526480531	2.06641854131142e-118	
6.37894419274394e-118		100	100	
YY2-regulon	Naive 2	0.0619972438752862	0.0132497039249072	
		179778567.5	0.618360459451192	
1.98455546048057e-236		1.56559375215689e-235	96.6196088589561	
89.2816359049263				
ZBTB33-regulon	Naive 2	0.375064521165253	0.0111328246491484	
		185199534.5	0.637006239598426	0 0 100
	100			
ZNF143-regulon	Naive 2	0.0254888053140338	0.00260057258277177	
		172068844.5	0.591842349295923	
4.67300963770085e-143		1.74622991724611e-142	100	
99.9920329305537				
ZNF274-regulon	Naive 2	0.0695084872441402	0.00502137343129905	
		175087055	0.602223687057447	
9.71909412935524e-177		4.60037122122815e-176	100 100	
ZNF76-regulon	Naive 2	0.0154917004363083	0.00112622832652083	
		159019669	0.546958833591865	
9.31705396992956e-39		1.55649607497647e-38	99.6891594353063	
99.4130925507901				
ATF1-regulon	Naive IER2			
0.103055148934322		-0.00325087998287522	22164572	
0.450302030199444		1.42732701211367e-08		
2.15617484808661e-08		100 100		
ATF3-regulon	Naive IER2			
0.0503477747759822		-0.000690938657397333	25673826.5	
0.521597087276862		0.013738581410263	0.0157328916149787	
	100 100			
ATF4-regulon	Naive IER2			
0.105604591682537		-0.00322611104235529	23495478.5	
0.477341122086968		0.00973317393864056	0.0112907812238142	
	100 100			
ATF5-regulon	Naive IER2			
0.110153875163709		-0.00848756560340466	20796800.5	
0.422513978018742		9.53440328197904e-19		
2.02072427767317e-18		100 99.9977408277607		
ATF6-regulon	Naive IER2			
0.133380814033377		-0.00310932980165976	26371827.5	
0.535777882980079		4.46642981273591e-05		
5.76575484916818e-05		100 100		
ATF6B-regulon	Naive IER2	0.0592273764232438		
0.0019793721898586		27043317.4121094	0.549420071544843	
1.71245350690566e-08		2.55966734716424e-08	100	
99.9186697993855				

BACH1-regulon Naive IER2 0.047220389180006
 0.00403647247768725 27493238.5 0.558560802045152
 2.36919956844817e-11 3.91193417115861e-11 99.910071942446
 99.5549430688596
 BATF-regulon Naive IER2
 0.0192677048821272 -2.62927613624633e-05 25363519
 0.51529278790956 0.0640094753914308 0.0699180423506398
 53.8669064748201 51.6627507681186
 BATF3-regulon Naive IER2
 0.0658370524007427 -0.0177618403578975 17078665.5
 0.3469752426416 2.95541550002954e-68 1.31146562813811e-67 100
 100
 BCL11A-regulon Naive IER2 0.21787280638548 0.013708417923018
 32365672 0.657550608708768 3.05495478708351e-72
 1.60667992505873e-71 100 100
 BHLHE40-regulon Naive IER2 0.0597481379441849
 0.00419988543418495 27967089.5 0.568187699749833
 7.27627654017927e-15 1.37764169160728e-14 100 100
 BRF2-regulon Naive IER2
 0.0375496626185022 -0.00416473513652753 21208560
 0.430879406361049 3.11976258832696e-15
 6.06857928140312e-15 99.5503597122302 99.7334176757636
 CEBPB-regulon Naive IER2
 0.13867501102544 -0.00452797423969484 22419482 0.455480857497266
 3.78984753601596e-07 5.27606225602221e-07 100 100
 CEBPG-regulon Naive IER2
 0.0603961181518532 -0.00785716602627801 21113938.5
 0.428957047853494 5.25969040431801e-16 1.0373278297405e-15
 100 100
 CLOCK-regulon Naive IER2 0.0172560505988654
 0.00170305917428646 25658155.5 0.521278710584758
 0.00978004289105034 0.0112907812238142 54.3165467625899
 51.0121091632026
 CREB1-regulon Naive IER2 0.0466525334514206
 0.00377381960030827 27958576 0.568014736954337
 8.50286880108007e-15 1.58869390757022e-14 100
 99.9932224832821
 CREB3-regulon Naive IER2
 0.230526481564216 -0.00950650158185443 19898669
 0.404267271615565 9.02640072590797e-28
 2.28883732692666e-27 100 100
 CREB3L2-regulon Naive IER2
 0.124740065879022 -0.00208831391795469 27288570.5
 0.554402706147029 5.40589704195306e-10
 8.52930422174816e-10 100 100
 CREB3L4-regulon Naive IER2 0.0141071784018296
 0.00308134632994188 26376158.5 0.535865872862888
 6.51325439502506e-07 8.97943809799572e-07 37.5
 31.1923911078981
 CREB5-regulon Naive IER2

0.0362216117589015	-0.00302687871436812	24024026	
0.488079250136851	0.173815275991042	0.181483596990646	
99.8201438848921	99.6181998915597		
CREM-regulon	Naive IER2		
0.143948307588687	-0.00620326993032255	18641965.5	
0.378735709922935	1.56446118597845e-43		
4.72666996614767e-43	100	100	
CTCF-regulon	Naive IER2		
0.362930969261824	-0.00810797938788016	20384888.5	
0.414145451441124	1.18052848152772e-22		
2.74811548158911e-22	100	100	
CUX1-regulon	Naive IER2		
0.075872999638201	-0.000845793176756746	25370643	
0.515437521210214	0.0781914794404933	0.084757176187405	
100	100		
DDIT3-regulon	Naive IER2	0.0858271019984974	
0.000942061261668667	25779729	0.523748633932182	
0.00673850176611877	0.00797389375657388	100	100
E2F1-regulon	Naive IER2		
0.402057130850105	-0.0365330903931071	13093854.5	
0.26601863841477	5.36428904314043e-157	5.85945418558417e-156	100
100			
E2F2-regulon	Naive IER2		
0.0511010271406896	-0.0028908078628158	23052798	
0.468347493521539	0.0003047162171481		
0.000376258285522002	100	100	
E2F3-regulon	Naive IER2	0.0231879748128689	
0.00212474212544142	28501761.5	0.579050254961402	
1.8998313275993e-19	4.21525075811094e-19	100	100
E2F4-regulon	Naive IER2		
0.367257865130643	-0.0321884786248593	14357584.5	
0.291692952569085	7.52444597904968e-125		
5.34235664512528e-124	100	100	
E2F6-regulon	Naive IER2		
0.0592206313372646	-0.013511710692667	18101952	
0.367764635210321	1.9771111757914e-51		
7.79860519339942e-51	100	100	
E2F7-regulon	Naive IER2	0.0325742627531492	
0.00205048541596473	28125300.5	0.571401961432842	
3.75220193462664e-16	7.61160963881404e-16	100	100
E2F8-regulon	Naive IER2		
0.067091122984974	-0.00789906505152452	18174849.5	
0.369245642479329	2.5222509083381e-50		
9.67998997254082e-50	100	100	
EGR1-regulon	Naive IER2	0.0606741752149668	
0.0135430579517263	41320952.5	0.83948874810327	0
100	100		
EGR2-regulon	Naive IER2	0.0667659619323777	
0.0212385320449638	37869722	0.769372523849708	
2.06870496487783e-207	3.67195131265815e-206	100	

99.9954816555214
 EGR3-regulon Naive IER2 0.0568364240646317
 0.0157512877071368 36032118.5 0.732039225162433
 1.95590860248605e-154 1.98385015395014e-153 100
 99.9954816555214
 ELF1-regulon Naive IER2
 0.692926260975185 -0.0144730609826585 19275539.5
 0.391607587551863 3.96384622006873e-35
 1.10365914362698e-34 100 100
 ELF2-regulon Naive IER2 0.0481236591274094
 0.0158561740052438 36593197 0.743438262673794
 8.92786596443728e-170 1.15250633359099e-168 100
 99.5233146575095
 ELF4-regulon Naive IER2 0.0206016721892196
 0.0022086974006711 27697737.5 0.562715464489063
 8.3508062921323e-13 1.41168392081284e-12 99.3705035971223
 98.3101391650099
 ELK1-regulon Naive IER2
 0.0628419692345574 -0.00329371911633701 21217211
 0.431055162647399 3.66254336097876e-15
 7.02812374674303e-15 100 100
 ELK3-regulon Naive IER2 0.0699270212480735
 0.00514771688913307 28894101.5 0.587021150971867
 3.13530928042837e-23 7.54599860713269e-23 100 100
 ELK4-regulon Naive IER2 0.0481331402410539
 0.00321489215381972 26424254.5 0.536843005488976
 2.62797015276727e-05 3.45529408974956e-05 97.7517985611511
 96.7038677028737
 ESRRA-regulon Naive IER2
 0.0773548911058601 -0.014742109626654 15917374
 0.323382099489395 2.66578885609705e-90
 1.64583485898166e-89 100 100
 ETS1-regulon Naive IER2
 0.238886774803557 -0.00415403114626378 23763445.5
 0.482785219276233 0.0495247369609796 0.0545156019260395
 100 100
 ETV2-regulon Naive IER2 0.0340794792635027
 0.00561505805806952 32277114.5 0.655751448226924
 1.21121498963708e-70 6.14259030458803e-70 100 100
 ETV3-regulon Naive IER2 0.0126336070573483
 0.00123481224239713 26294118 0.534199113689349
 9.25625280530369e-05 0.000116317513128595 86.4208633093525
 84.2964937646846
 ETV5-regulon Naive IER2 0.0353274624161882
 0.00191064311698332 27823410 0.565268664338365
 9.58125985564984e-14 1.72220113861048e-13 100 100
 ETV6-regulon Naive IER2 0.465246485063484
 0.00581407163159442 26977527 0.54808345398505
 4.11424366155636e-08 5.90123838324245e-08 100 100
 ETV7-regulon Naive IER2

0.0639435433427844	-0.000135865713256203	25857254.5	
0.525323665024243	0.00386229569507605	0.00464784736187118	
100	100		
FLI1-regulon	Naive IER2	0.155232406797076	
0.0115847921511826	30654875	0.622793548551724	
1.36155214702777e-44	4.29645344173208e-44	100	100
FOS-regulon	Naive IER2	0.100109304383603	
0.0141792616614273	38454105.5	0.781245032665355	
6.59659209009127e-226	1.33816582398994e-224	100	100
FOSB-regulon	Naive IER2	0.0812888778825248	
0.0408156381587934	44119566	0.896346211481926	0 0
100	99.3064341225375		
FOSL1-regulon	Naive IER2		
0.0546585353870082	-0.00628929899168629	23187572.5	
0.47108561230719	0.000970772068685802	0.0011883589116671	100
100			
FOXO1-regulon	Naive IER2	0.0218600484345053	
0.00529276979458557	27612009	0.56097377881176	1.7497743943235e-13
3.03009712187729e-13	60.6115107913669	52.1349177661305	
FOXO3-regulon	Naive IER2	0.0596865074362217	
0.0409460324296688	40175259	0.81621249855348	0 0
87.589928057554	45.7346828122176		
GABPA-regulon	Naive IER2	0.0277183653089999	
0.00228647136313525	28461833	0.578239055692009	
4.40287714767232e-19	9.47285689347681e-19	100	100
GTF2B-regulon	Naive IER2		
0.0747438623805913	-0.0044214723350172	21775033	
0.442388040137202	4.93144363924324e-11		
8.04902295140851e-11	100	100	
HINFP-regulon	Naive IER2	0.0188493312520496	
0.00268457426060951	26303140	0.534382407321928	
5.72224054260631e-05	7.32034375720808e-05	65.4676258992806	
63.1777516717875			
HIVEP3-regulon	Naive IER2	0.085461796561606	
0.00796912321681326	27890680.5	0.566635351803502	
2.90515667626258e-14	5.28887497473445e-14	100	
99.6859750587385			
HOXB2-regulon	Naive IER2	0.0432154199205294	
0.00626625850109962	27802108.5	0.56483589673535	
1.23325606450476e-13	2.18902951449595e-13	88.8489208633094	
83.6006687149828			
IKZF1-regulon	Naive IER2		
0.141277489147638	-0.00265162557215975	21111794.5	
0.428913489712477	5.04897310162851e-16	1.0097946203257e-15	
100	100		
IRF1-regulon	Naive IER2	0.148640416380036	
0.0135295319727374	36296476	0.737409990677258	
1.42850886965279e-161	1.69040216242247e-160	100	100
IRF2-regulon	Naive IER2	0.0916636744080671	
0.00681014474608863	29873439.5	0.606917672756788	

3.17314088735094e-34	8.5016227547893e-34	100	100
IRF3-regulon	Naive IER2	0.147435108625449	
0.00203853690270112	27022447	0.548996062051497	
2.27074079140446e-08	3.32417724102509e-08	100	100
IRF4-regulon	Naive IER2		
0.0551430441569553	-0.0033514373935441	22921749.5	
0.465685073258942	9.03985860945043e-05		
0.000114612493084104	100	99.9954816555214	
IRF5-regulon	Naive IER2	0.0543034694057786	
0.00744106640654218	27795096	0.564693428701824	
1.27706971527721e-13	2.23881357493042e-13	91.5467625899281	
80.2006144948491			
IRF7-regulon	Naive IER2	0.115915911771861	
0.00828423284012281	32737313.5	0.665100987843378	
3.79262595773914e-79	2.15421154399583e-78	100	100
IRF8-regulon	Naive IER2		
0.081419818168316	-0.000361977193346366	25502060.5	
0.518107438186447	0.0388388532436958	0.0434261193748409	
100	100		
IRF9-regulon	Naive IER2	0.0397234188333224	
0.00595308609408338	31889584.5	0.647878273605587	
7.28674628180972e-64	3.13550900611206e-63	100	100
JUN-regulon	Naive IER2	0.108420914747428	
0.0205235896185669	41126695	0.835542155016272	0 0
100	100		
JUNB-regulon	Naive IER2	0.19002292615431	0.0310001354681884
42266646.5	0.858701748388024	0	0 100
100			
JUND-regulon	Naive IER2	0.0557838765558418	
0.0177614572406631	42414844.5	0.86171258298801	0 0
100	100		
KLF11-regulon	Naive IER2	0.0267940977167504	
0.00497964270452773	26224411	0.532782925566288	
2.67216101261237e-05	3.48116388799043e-05	46.1330935251799	
40.7260979577083			
KLF12-regulon	Naive IER2	0.0478559998742906	
0.000826632778518133	25200663	0.511984157026448	
0.171536826086622	0.180431328180003	99.1007194244604	
98.5902765226821			
KLF13-regulon	Naive IER2	0.0693002797116579	
0.00308375246481983	30730779	0.624335636768012	
1.12586644392118e-45	3.63347806901836e-45	100	100
KLF2-regulon	Naive IER2	0.126382155020419	
0.0179742716761676	35321689	0.717605928360511	
4.60275708812888e-136	3.84465592067236e-135	100	100
KLF3-regulon	Naive IER2	0.104326315924057	
0.0331084662278886	37843417.5	0.768838113812222	
1.34753420970925e-206	2.1261095308746e-205	100	
99.8599313211639			
KLF4-regulon	Naive IER2	0.0275097409339083	

0.0119016144062501	30430544	0.61823597330341	3.2241367892692e-47
1.17391647199033e-46	65.4676258992806	49.4193927345021	
KLF6-regulon Naive IER2	0.0839047219660382		
0.0148897380706899	33090589.5	0.672278248023306	
5.20243692327453e-86	3.07810851293743e-85	100	100
KLF7-regulon Naive IER2	0.0663345266048588		
0.0208466642477628	35660268	0.724484599921725	
1.12706682558234e-144	1.06695659488461e-143	99.6402877697842	
97.5036146755829			
KLF8-regulon Naive IER2	0.0354203084418912		
0.0105726825753786	31114659.5	0.632134667063024	
6.47014070177305e-52	2.62502851329078e-51	91.4568345323741	
77.2885414784023			
MAFB-regulon Naive IER2	0.0645967690749586		
0.00903528553926054	32143030	0.653027347686283	
2.93988538480613e-68	1.31146562813811e-67	100	
99.9977408277607			
MAFF-regulon Naive IER2	0.0178305071678698		
0.00558031962981552	26734643.5	0.543148960634493	
6.53583448480844e-10	1.01987746905802e-09	35.6115107913669	
28.3684258087837			
MAFG-regulon Naive IER2	0.0275761705099298		
0.00222330287581463	25701611.5	0.522161575592228	
0.00871079780039383	0.0102225891541812	61.6007194244604	
58.5261160310862			
MAX-regulon Naive IER2	0.202249989142664		
0.00469483236357809	29142814.5	0.592074078176461	
8.20966271061004e-26	2.00995190501142e-25	100	100
MAZ-regulon Naive IER2			
0.128087414369775	-0.00842281107702753	17000232.5	
0.345381774509906	1.20371756729377e-69		
5.89406532950742e-69	100	100	
MEF2A-regulon Naive IER2	0.0465653324354139		
0.00595700151963501	30241190.5	0.614389011337469	
6.29432281081574e-39	1.86207049819966e-38	100	
99.9977408277607			
MLX-regulon Naive IER2	0.0533181725596847		
0.000402580558037227	25141140.5	0.510774880231365	
0.218954420966362	0.226945458227908	100	
99.9887041388035			
MXD4-regulon Naive IER2			
0.0614971320515581	-0.0314425392646916	20677856	
0.420097466216436	7.3144700253822e-20		
1.64865832318139e-19	82.0143884892086	88.7696547984818	
MXI1-regulon Naive IER2	0.0869836362415831		
0.0223005906804348	37820094	0.768364266656438	
7.07622618924483e-206	1.00482411887277e-204	100	100
MYBL1-regulon Naive IER2			
0.0227542438382437	-0.00731524501782968	23443922	
0.476293684914711	0.00661844938084628	0.00789764547966531	

80.3057553956834 80.0537682992951

MYC-regulon Naive IER2
0.289370578094755 -0.0261520727688696 19053166
0.387089781455154 5.6835113401434e-38
1.64705838836809e-37 100 100

NFATC1-regulon Naive IER2 0.0507722434485079
0.000260792365043526 25552055.5 0.519123151460758
0.0291150846338687 0.0330747361440749 94.7841726618705
94.8287547442617

NFE2L1-regulon Naive IER2
0.146138546454548 -0.0374462673043997 18400024
0.373820354524261 5.48814552929585e-47
1.90077235404881e-46 100 99.9344840050605

NFE2L2-regulon Naive IER2
0.109298928489174 -0.00162133305494308 25056234.5
0.50904990470844 0.30183358882125 0.308347982824587 100 100

NFKB1-regulon Naive IER2
0.0540640981190951 -0.00267013375529857 24681452
0.501435712084589 0.86988833954662 0.876057760394468 100
99.929965660582

NFKB2-regulon Naive IER2 0.0763897039216764
0.00308880634113266 27774067.5 0.564266207447922
2.26440308701245e-13 3.87403901633456e-13 100 100

NFYA-regulon Naive IER2 0.0239235021933432
0.00304983645465081 28388919 0.576757713204098
1.99896097449925e-18 4.17430085851314e-18 99.6402877697842
99.0014458702332

NFYB-regulon Naive IER2
0.0968741682570224 -0.0120459302007714 16578118.5
0.336805981069112 2.25687788082004e-77 1.2326025349094e-76
100 100

NFYC-regulon Naive IER2
0.0784988935769003 -0.00516235565614892 19922621.5
0.404753897722234 1.66102879431846e-27
4.13800155777582e-27 100 100

NR1H3-regulon Naive IER2 0.0100651458528609
0.00156921328032193 25559654.5 0.519277535002542
0.00245624671110854 0.0029810857519437 25.8093525179856
22.0111151274173

NR2C2-regulon Naive IER2 0.0239199301151334
0.00218736598830165 26432085.5 0.537002102411691
2.12663170828402e-05 2.82225890258253e-05 79.7661870503597
75.883336345563

NR3C1-regulon Naive IER2 0.229573267146124
0.00419857349328157 27361360.5 0.555881529414098
1.82289945432903e-10 2.9414968467582e-10 100 100

NRF1-regulon Naive IER2
0.0258494283323058 -0.000901838392153083 24105082
0.48972600791588 0.241130248443284 0.248119531006858
99.910071942446 99.9683715886499

PAX5-regulon	Naive	IER2	0.104001102070847		
0.00382721405727014		27180518	0.55220747945291		
2.57871099444891e-09		3.98018436099723e-09	100	100	
POU2F1-regulon	Naive	IER2	0.00615810519005609		
0.00131023335075047		26178373.5	0.531847614037814		
7.31898944685654e-08		1.03929650145363e-07	24.4604316546763		
18.1931140430146					
POU6F1-regulon	Naive	IER2	0.0358436258342111		
0.00496312400818403		26708449.5	0.542616795547838		
6.81539601300414e-07		9.3056368639095e-07	70.863309352518		
65.2155250316284					
REL-regulon	Naive	IER2			
0.259127121005556		-0.00470004187145828	22238234.5		
0.451798579435747		3.81225538413528e-08			
5.52388025048173e-08		100	100		
RELA-regulon	Naive	IER2	0.0959969144231611		
0.00403124381801338		29590525	0.601169897716383		
8.050359705362e-31		2.11694644103964e-30	100	100	
RELB-regulon	Naive	IER2			
0.0991879882215737		-0.00614631430293847	19128416.5		
0.388618592971276		5.36644258671907e-37			
1.52406969462822e-36		100	100		
REST-regulon	Naive	IER2	0.221790015629368		
0.00325121904969131		27566182	0.560042743863828		
7.36845295282047e-12		1.23096508153001e-11	100	100	
RFX5-regulon	Naive	IER2			
0.063192895409136		-0.00220973152629739	24634614.5		
0.500484147518421		0.955950769454464	0.955950769454464		
100	100				
RXRA-regulon	Naive	IER2	0.0216323278373638		
0.00728061023017895		29766082	0.604736565889165		
2.10047206837806e-34		5.73590449441702e-34	74.5503597122302		
64.0046087113681					
SETDB1-regulon	Naive	IER2			
0.0585052755758041		-0.00124270551434897	24003446.5		
0.487661150900353		0.159180032385588	0.168683317901146		
93.1654676258993		95.0998554129767			
SOX5-regulon	Naive	IER2	0.0104693384631511		
0.00273301105884754		26077807	0.529804475143904		
3.29520383914366e-06		4.41432967130566e-06	27.9676258992806		
22.3567684800289					
SP1-regulon	Naive	IER2	0.0216039772585879		
0.00882640650965402		31282092	0.635536275479887		
1.48407857193023e-57		6.19821050629682e-57	76.0791366906475		
59.4139707211278					
SP2-regulon	Naive	IER2	0.0286816494135892		
0.000452583530333603		25299285.5	0.513987801038764		
0.110516105563665		0.11799463902286	100	100	
SP3-regulon	Naive	IER2	0.0327413104834819		
0.0045837409199695		32185507.5	0.653890333197024		

5.21543072218602e-69	2.46863720850138e-68	100	100
SP4-regulon Naive IER2	0.0131900052113683		
0.00466643825195517	27245065 0.553518835482852		
2.56238359280934e-14	4.7254346776484e-14	38.1294964028777	
28.7863726730526			
SPI1-regulon Naive IER2			
0.414567363186047	-0.00407548987433565	21927624.5	
0.445488134388567	4.99381625513562e-10		
7.96766189021638e-10	100 100		
SPIB-regulon Naive IER2			
0.546106911182564	-0.0188051545315081	15577006.5	
0.316467092230788	2.34358227948331e-97		
1.51267583493922e-96	100 100		
SREBF1-regulon Naive IER2	0.0443351681889132		
0.00349083572496019	26812017 0.544720903649392		
3.35518122437569e-07	4.71718548377572e-07	97.4820143884892	
96.8800831375384			
SREBF2-regulon Naive IER2	0.102252191998654		
0.00335169581353077	28281536.5 0.574576098429046		
1.76285585211604e-17	3.62790624638374e-17	100 100	
SRF-regulon Naive IER2	0.0243354934373112		
0.00365591028390685	28882347 0.586782343057417		
4.11695523667599e-23	9.74346072679985e-23	99.4604316546763	
97.8967106452196			
STAT1-regulon Naive IER2	0.0848338804934895		
0.0051926224546163	30761107.5 0.624951799585093		
4.12286647590441e-46	1.39392152280578e-45	100 100	
STAT2-regulon Naive IER2	0.0755877613745902		
0.00958838297013112	30825053 0.626250935362319		
4.87880254147115e-47	1.73197490222226e-46	100	
99.961594071932			
STAT5A-regulon Naive IER2			
0.0650905027676279	-0.00668105380770329	20398702	
0.414426090611335	1.61976941972643e-22		
3.70979447743794e-22	100 100		
TBP-regulon Naive IER2	0.0220016186033649		
0.00112799642476875	25295032 0.513901385668982		
0.0898176467802267	0.0966220139605469	52.2482014388489	
49.8260437375746			
TCF12-regulon Naive IER2	0.0108309514916284		
0.00183213716530342	25282894.5 0.513654796612737		
0.041114013459255	0.045610858681361	27.2482014388489	
25.1694379179469			
TFDP1-regulon Naive IER2			
0.499516469172808	-0.0293664987275548	13770273	
0.279760957635482	2.5067150042572e-139		
2.22470956627826e-138	100 100		
TFDP2-regulon Naive IER2	0.0280831915877154		
0.000984155934654604	27033823 0.549227180247488		
1.95016267593001e-08	2.88461562481314e-08	100	

99.9954816555214
 TFEC-regulon Naive IER2
 0.0888336877439296 -0.00277588443258096 23689081.5
 0.481274418157504 0.0326456318029633 0.0367911088573078
 100 100
 THAP1-regulon Naive IER2 0.0386968777963919
 0.00157024574581064 27172301.5 0.552040550597657
 2.89675206625526e-09 4.4229977785833e-09 100 100
 THAP11-regulon Naive IER2
 0.177075670273541 -0.00143726170186309 22532403.5
 0.457775004242043 1.45382226685438e-06
 1.96612154184116e-06 100 100
 TP53-regulon Naive IER2
 0.0893143079156647 -0.00926954699087314 18641733
 0.378730986383855 1.55277501606972e-43
 4.72666996614767e-43 100 100
 USF2-regulon Naive IER2 0.130396218937907
 0.00523838757175746 29548202.5 0.600310061231694
 2.50690640260178e-30 6.4723765303537e-30 100 100
 XBP1-regulon Naive IER2 0.19743348320845 0.00219746849780697
 30991194 0.629626305281457 1.72083037225277e-49
 6.43047139104983e-49 100 100
 YBX1-regulon Naive IER2
 0.093659895655519 -0.00156214889695626 22948879.5
 0.466236254399697 0.00011709477913947
 0.000145854900331621 100 100
 YY1-regulon Naive IER2
 0.611500406505434 -0.0286736111695289 14029690.5
 0.285031360642554 7.81416081555664e-133
 6.16450464338358e-132 100 100
 YY2-regulon Naive IER2 0.0732363679350018
 0.0227928812268669 33699624 0.684651573879158
 1.32114003105357e-98 8.93342306712415e-98 97.2122302158273
 90.3623712271824
 ZBTB33-regulon Naive IER2 0.367184343696422
 0.00139245389793075 24926414 0.506412432858701
 0.464413840274691 0.471048323707186 100 100
 ZNF143-regulon Naive IER2 0.0269108958518955
 0.00367010077829127 30755191 0.624831598213206
 5.01737813770457e-46 1.65690161756756e-45 100
 99.9932224832821
 ZNF274-regulon Naive IER2 0.0765686593239556
 0.0115091764153549 35024755 0.711573328992689
 9.84628276799009e-129 7.35880080555049e-128 100 100
 ZNF76-regulon Naive IER2 0.0165330195335459
 0.00202555175744165 28475578.5 0.578518313354016
 3.29980078673495e-19 7.20879556486711e-19 99.4604316546763
 99.4600578348093
 ATF1-regulon Naive IFN1
 0.100754807787662 -0.00553264025477078 8939001.5

0.397600409209436	2.88634897902108e-15		
7.73323688718856e-15	100	100	
ATF3-regulon	Naive IFN1		
0.0467041703345378	-0.0043658140137273		9972831.5
0.443584430025742	1.36116497645155e-05		
2.32874008019422e-05	100	100	
ATF4-regulon	Naive IFN1		
0.102179385949706	-0.00664563152115363		9424195.5
0.419181492168866	4.61484928954184e-10		
1.04017237954752e-09	100	100	
ATF5-regulon	Naive IFN1		
0.107104488343467	-0.0114554335426059		8853066
0.393778059479926	2.60242078891155e-16		
7.24595592206744e-16	100	99.9977715877437	
ATF6-regulon	Naive IFN1		
0.130940290607503	-0.00553476468664346		10643529
0.473416576318116	0.0403872280829009		0.0526145540162562
	100	100	
ATF6B-regulon	Naive IFN1	0.0590564901942148	
0.0017796277901611	12488801.2675781	0.555492970274632	
1.87553610527742e-05	3.17054913034992e-05	100	
99.9197771587744			
BACH1-regulon	Naive IFN1	0.0442678811284809	
0.000996042616297363	11505492	0.511756075592548	
0.364684958011719	0.401436155330729	100	
99.5587743732591			
BATF-regulon	Naive IFN1		
0.0144858507620027	-0.00486117516086274		10482089
0.466235840297122	0.00571618305677411		0.00803661380259331
	47.3053892215569	51.7660167130919	
BATF3-regulon	Naive IFN1		
0.063417372681198	-0.0199666961238113		7236049.5
0.32185431921672	6.15600614953281e-43	4.85640485129811e-42	100
	100		
BCL11A-regulon	Naive IFN1	0.222854178132567	
0.0185587551050765	16229260	0.721865906070867	
1.30674675684262e-65	2.06175599412946e-64	100	100
BHLHE40-regulon	Naive IFN1		
0.0556002388140931	-5.15062299338634e-05		11167230
0.496710423164812	0.799767740385563		0.828956344049269
	100	100	
BRF2-regulon	Naive IFN1		
0.0363400207513596	-0.00533117650020536		9315694
0.414355422859017	4.00762309178994e-11		
9.48470798390286e-11	99.6007984031936	99.7303621169916	
CEBPB-regulon	Naive IFN1		
0.135059669499613	-0.00812202760605582		8768673.5
0.390024341289566	2.25403424924166e-17		
6.95810572591989e-17	100	100	
CEBPG-regulon	Naive IFN1		

0.0601017723832119	-0.00804781795175567	9503401
0.422704496299879	2.52202334519271e-09	
5.26657816202008e-09	100 100	
CLOCK-regulon Naive IFN1		
0.0152469692551477	-0.000351640418092854	11218928.5
0.499009935560634	0.935252230215393	0.948612976361328
51.2974051896208	51.0908077994429	
CREB1-regulon Naive IFN1	0.0471525717155813	
0.00422805765042012	13044073 0.580191060775385	
6.2778874932528e-10	1.39290628756547e-09	100
99.9933147632312		
CREB3-regulon Naive IFN1		
0.228212119695222	-0.0117172650737974	8331806.5
0.370592808811347	1.89881809697505e-23	
7.09558341501202e-23	100 100	
CREB3L2-regulon Naive IFN1		
0.124463006764658	-0.00234003257131425	12277168.5
0.54607969576168	0.000380769544533253	0.000575205056635339
100		100
CREB3L4-regulon Naive IFN1	0.0139720558882236	
0.00290276088626535	12059460.5	0.536396199244964
0.00064429079441482	0.000963045187441099	38.12375249501
31.2713091922006		
CREB5-regulon Naive IFN1		
0.0344483469548989	-0.00477872809268432	10267712.5
0.456700526523555	0.000841740884785347	0.00124507505874499
99.6007984031936	99.6233983286908	
CREM-regulon Naive IFN1		
0.141866227124249	-0.0082241342250727	7692902
0.342174792476329	4.52245101357607e-34	
2.37847423676964e-33	100 100	
CTCF-regulon Naive IFN1		
0.361908947225608	-0.0090310166359987	8988058.5
0.39978242956983	1.09700815919778e-14	2.78169926082295e-14
100		100
CUX1-regulon Naive IFN1		
0.0753347976478039	-0.00137848785943662	11279008.5
0.501682251096692	0.896794583119493	0.916149861891857
100 100		
DDIT3-regulon Naive IFN1		
0.0829792609609404	-0.00195040078515167	10906450
0.485111114817718	0.250953857501529	0.28971908752209
100		100
E2F1-regulon Naive IFN1		
0.401420669303438	-0.0366792377114666	6086120
0.270706275471341	5.96369710293208e-70	
2.11711247154089e-68	100 100	
E2F2-regulon Naive IFN1		
0.0511866958044371	-0.0027648226842	10513472.5
0.467631755986634	0.0125667548227153	0.017158453700246

	100	100				
E2F3-regulon	Naive	IFN1	0.0231124116336311			
0.00201940569625499			12808120	0.569696039675524		
7.69869653664279e-08			1.49755466877161e-07		100	100
E2F4-regulon	Naive	IFN1				
0.364608364363712			-0.0344292939198002		6250654.5	
0.278024652644572			1.13049020994773e-65			
2.00662012265722e-64			100	100		
E2F6-regulon	Naive	IFN1				
0.0565521084159405			-0.0160260558925507		7302116.5	
0.324792932241367			1.37096865987794e-41		9.7338774851334e-41	
	100	100				
E2F7-regulon	Naive	IFN1	0.0327911936991595			
0.00224191966704019			12983485	0.577496149761758		
2.29393575303604e-09			4.86177428255399e-09		100	100
E2F8-regulon	Naive	IFN1				
0.0657123089441472			-0.00918572214723648		7410290.5	
0.329604434584869			1.97618745309857e-39			
1.33627913495237e-38			100	100		
EGR1-regulon	Naive	IFN1	0.0496192612667627			
0.00218032628103635			12840227.5	0.5711241583685		
4.15417333053745e-08			8.30834666107489e-08		100	100
EGR2-regulon	Naive	IFN1	0.046402240825963			
0.000358287989161127			11765928	0.523340083065068		
0.0719108337216335			0.0919940395357834		100	
99.9955431754875						
EGR3-regulon	Naive	IFN1	0.041561644779481			
9.15122947231645e-05			11666747	0.51892858294553	0.144420767116333	
0.176790939056201			100	99.9955431754875		
ELF1-regulon	Naive	IFN1				
0.690688976814782			-0.0165382635632055		8392255.5	
0.373281537204143			1.50143307152712e-22			
5.33008740392126e-22			100	100		
ELF2-regulon	Naive	IFN1	0.0413629395665324			
0.00880408413089159			14520719	0.64587122134561	2.3773154689615e-29	
1.08896385997591e-28			100	99.5298050139276		
ELF4-regulon	Naive	IFN1	0.0236278332487367			
0.00523857082963682			14197987.5	0.631516354477674		
3.63902746351832e-24			1.43539416616556e-23		99.4011976047904	
98.3242339832869						
ELK1-regulon	Naive	IFN1				
0.0634367749937314			-0.00264742678188884		9857102	
0.438436864432694			2.06509502177836e-06			
3.85846701437536e-06			100	100		
ELK3-regulon	Naive	IFN1	0.0678429933665993			
0.00297033295221864			12321892	0.548068965133799		
0.000210182873785762			0.000320924387930948		100	100
ELK4-regulon	Naive	IFN1	0.0464802688994306			
0.00149979490360286			11612294.5	0.516506574594544		
0.203091446826558			0.238338722722076		96.6067864271457	

96.7309192200557
 ESRRA-regulon Naive IFN1
 0.0761455902937064 -0.0157641888393648 6887836
 0.30636603116886 2.08590664505122e-50 1.97465829064849e-49 100
 100
 ETS1-regulon Naive IFN1
 0.24044581941792 -0.00252102119747913 11121150.5
 0.494660839880128 0.680570376318431 0.721201443561322
 100 100
 ETV2-regulon Naive IFN1 0.0324514916820296
 0.00389244268268452 13852918.5 0.616167931546378
 3.32544936178796e-19 1.07321320312248e-18 100 100
 ETV3-regulon Naive IFN1 0.0127034064237626
 0.00128857816485525 12208422 0.543021900488716
 0.000888423961134752 0.00130057940702201 87.4251497005988
 84.3142061281337
 ETV5-regulon Naive IFN1
 0.0332003253893166 -0.000266256552672373 11076448.5
 0.49267252681267 0.572075262676176 0.615414297727401 100
 100
 ETV6-regulon Naive IFN1 0.466828347571107
 0.00733443253140509 12800513.5 0.569357707982364
 8.89494664390718e-08 1.70686813977678e-07 100 100
 ETV7-regulon Naive IFN1 0.0644485089110703
 0.000376587358105099 12112320.5 0.538747374332116
 0.00281092455237525 0.00399151286437285 100 100
 FLI1-regulon Naive IFN1 0.156950679966518
 0.0131645148326803 14394616.5 0.640262272113155
 2.91649966263653e-27 1.18326557741253e-26 100 100
 FOS-regulon Naive IFN1 0.0935195298294603
 0.00732285744874943 14909916 0.663182426233883
 2.63534268431649e-36 1.55924442155393e-35 100 100
 FOSB-regulon Naive IFN1 0.0476746606561959
 0.00627041084343027 13365391.5 0.594483078411422
 3.20939283930012e-13 7.99532952948452e-13 99.4011976047904
 99.3225626740947
 FOSL1-regulon Naive IFN1
 0.0510675691147821 -0.0098347234793657 9171648.5
 0.407948381787956 1.26737528735081e-12 3.1028843242037e-12
 100 100
 FOX01-regulon Naive IFN1 0.0237886760620389
 0.0071708650565905 12961080.5 0.576499613586198
 4.20047159798328e-10 9.62043495021976e-10 62.4750499001996
 52.2295264623955
 FOX03-regulon Naive IFN1 0.0235981239491461
 0.00389724101074796 12245577.5 0.544674550620208
 0.00018525865734411 0.000285942710248518 54.4910179640719
 46.6740947075209
 GABPA-regulon Naive IFN1 0.0284095897498511
 0.00295428119545145 13510132 0.600921032586637

7.15468146828808e-15	1.88141623795724e-14	100	100
GTF2B-regulon	Naive IFN1		
0.0712170650086452	-0.00792744309719504	8775040.5	
0.390307540907044	2.71873134880081e-17		
8.21403939424926e-17	100	100	
HINFP-regulon	Naive IFN1	0.0183841701759869	
0.0021776678793136	11873045.5	0.528104593042328	
0.0262155608599108	0.0344686077972902	65.4690618762475	
63.2089136490251			
HIVEP3-regulon	Naive IFN1	0.0788060081579512	
0.00113052290729318	11584194.5	0.515256706642426	
0.239436150085392	0.278687977968243	100	
99.6902506963788			
HOXB2-regulon	Naive IFN1	0.0421326568895146	
0.00508608826735026	12557190	0.558534852300969	
6.09121706546569e-06	1.09487699151409e-05	89.0219560878243	
83.6701949860724			
IKZF1-regulon	Naive IFN1		
0.141675358931559	-0.00221321036235919	9865231	
0.438798436553078	2.36928224236357e-06		
4.31330869763625e-06	100	100	
IRF1-regulon	Naive IFN1	0.147737741590395	
0.0124325667295036	16263840.5	0.723404022039487	
1.69435012421749e-66	4.00996196064806e-65	100	100
IRF2-regulon	Naive IFN1	0.099607226426529	
0.0147496571238016	15947484	0.709332710623322	
1.31359510850403e-58	1.86530505407573e-57	100	100
IRF3-regulon	Naive IFN1	0.146015659048124	
0.000575484199229759	11617274.5	0.516728081441574	
0.197102561383761	0.234471503648409	100	100
IRF4-regulon	Naive IFN1	0.0622722675004607	
0.00390301088907113	13287350.5	0.591011870409599	
2.25628683238479e-12	5.43038525760408e-12	100	
99.9955431754875			
IRF5-regulon	Naive IFN1	0.0521436195911608	
0.00515578870709942	12341987.5	0.54896279863671	
0.00015095376657815	0.000238171498378859	90.0199600798403	
80.3721448467967			
IRF7-regulon	Naive IFN1	0.126589627327793	
0.0189643186518363	18199952	0.809520880245081	
6.87125681511335e-126	3.25239489248699e-124	100	100
IRF8-regulon	Naive IFN1	0.0818898662693873	
0.000118247223352144	11763769.5	0.523244074525045	
0.0730882484441049	0.0926654578487759	100	100
IRF9-regulon	Naive IFN1	0.0569242555372054	
0.023264904047775	19873437.5	0.883956321340606	
1.26123811767236e-192	1.79095812709475e-190	100	100
JUN-regulon	Naive IFN1	0.0978800288016969	
0.00958558061733203	14958211	0.665330553377924	
3.19264291842473e-37	1.97110997572309e-36	100	100

JUNB-regulon Naive IFN1 0.170639218711156
 0.0109779362099912 14438749.5 0.642225276466565
 5.53358832696875e-28 2.31108688949871e-27 100 100
 JUND-regulon Naive IFN1 0.0446409224475277
 0.00625226646644794 14738050.5 0.655537971410939
 3.86338534023052e-33 1.89172661487149e-32 100 100
 KLF11-regulon Naive IFN1 0.0252976280940657
 0.00339866516042946 11685416.5 0.519758988985817
 0.0871299132461617 0.109441279188305 43.5129740518962
 40.8289693593315
 KLF12-regulon Naive IFN1 0.0474200432827046
 0.000374553916624373 11345387 0.504634719419101
 0.720816234673969 0.752616950909585 99.4011976047904
 98.5938718662953
 KLF13-regulon Naive IFN1 0.0685803894799454
 0.00231383799328355 13662016 0.607676724545338
 1.01833417834643e-16 2.95109088418761e-16 100 100
 KLF2-regulon Naive IFN1 0.123027850668578
 0.0143377882385458 15186841.5 0.675499874902007
 1.00863338055317e-41 7.53820737044998e-41 100 100
 KLF3-regulon Naive IFN1 0.0958553469517124
 0.0240921328361479 15718110 0.699130318749687
 3.31258563827298e-53 4.27624691486148e-52 100
 99.8618384401114
 KLF4-regulon Naive IFN1 0.0162782810157839
 0.000382714982360911 11414752.5 0.50772004737044
 0.524201870367065 0.568218821313917 52.2954091816367
 49.7849582172702
 KLF6-regulon Naive IFN1 0.0753998869706235
 0.00608721945869813 12832166.5 0.570765610839602
 4.85549713223121e-08 9.57611934412267e-08 100 100
 KLF7-regulon Naive IFN1 0.0575431334604247
 0.0116732811351785 14146529 0.629227517110626
 2.18147336803281e-23 7.94280046822201e-23 99.8003992015968
 97.5309192200557
 KLF8-regulon Naive IFN1 0.0368891845937754
 0.0119140043628848 14535325 0.646520885804992
 6.50127634302419e-30 3.07727080236478e-29 92.4151696606786
 77.4707520891365
 MAFB-regulon Naive IFN1 0.0583707154161183
 0.00261670124314848 12521222 0.556935021322258
 1.133045132684e-05 1.98632603507566e-05 100
 99.9977715877437
 MAFF-regulon Naive IFN1 0.0170152644513567
 0.00467999586829322 12128744.5 0.53947790213445
 0.000133753887655506 0.000213405079180694 35.5289421157685
 28.4679665738162
 MAFG-regulon Naive IFN1
 0.0247864119939077 -0.000627873068032494 10985030
 0.488606297154994 0.36205210136131 0.401436155330729

56.4870259481038 58.625069637883
MAX-regulon Naive IFN1 0.200993640427255
0.00336053438286421 12536629.5 0.557620335929812
8.87421450222239e-06 1.57517307414447e-05 100 100
MAZ-regulon Naive IFN1
0.127416159815879 -0.00898687813150084 7576213
0.336984549007834 3.10167020741339e-36
1.76174867781081e-35 100 100
MEF2A-regulon Naive IFN1 0.0455508157711157
0.00485005029762512 13159185 0.585311160408987
4.76541439509784e-11 1.10932597394081e-10 100
99.9977715877437
MLX-regulon Naive IFN1 0.0532337202938423
0.000311704062531441 11531831 0.512927615521047
0.318857691928818 0.362222338031137 100
99.9888579387187
MXD4-regulon Naive IFN1
0.0665118098078265 -0.0259437669112842 10070327
0.447920960307797 5.85369347710381e-05 9.4457326562357e-05
85.2295409181637 88.641782729805
MXI1-regulon Naive IFN1 0.0793851300468729
0.0143136162403922 15370638 0.683675012092806
1.56045965654465e-45 1.3034427719373e-44 100 100
MYBL1-regulon Naive IFN1
0.0228070954497166 -0.00716220191079708 10745509
0.477952573960714 0.0878613086441325 0.109441279188305
82.0359281437126 80.0378830083565
MYC-regulon Naive IFN1
0.279350390128833 -0.0359280534414024 6932123
0.308335885332399 2.01176064694486e-49
1.78543757416356e-48 100 100
NFATC1-regulon Naive IFN1
0.044578558057086 -0.00600559231364613 10555757
0.469512540378852 0.0187251574269215 0.0253235462345034
93.4131736526946 94.8434540389972
NFE2L1-regulon Naive IFN1
0.138867398952806 -0.0442887390529477 7708908.5
0.342886750176527 8.84692786640522e-34
4.48665627510551e-33 100 99.9353760445682
NFE2L2-regulon Naive IFN1
0.101472353501049 -0.00951321120902889 8889571.5
0.395401798075159 7.30848006641353e-16
1.99577724890523e-15 100 100
NFKB1-regulon Naive IFN1
0.050179046584365 -0.00656220387709086 10283921.5
0.45742149127928 0.00102672393042913 0.00148770202164221 100
99.9309192200557
NFKB2-regulon Naive IFN1
0.0716851332340194 -0.00171034374683517 10969399.5
0.487911063666539 0.35126420510914 0.392752103350377 100

100

NFYA-regulon Naive IFN1 0.0231449868851658
0.00222110418283695 12623511 0.5614847630644
2.12763965666133e-06 3.92369910708973e-06 99.2015968063872
99.0150417827298

NFYB-regulon Naive IFN1
0.0952108317228007 -0.0135638242447641 6806279
0.302738433995519 3.02401845933643e-52
3.30315862481364e-51 100 100

NFYC-regulon Naive IFN1
0.0771026680628007 -0.00650388055022973 8288042.5
0.368646217314674 4.13801955050394e-24
1.58810480046367e-23 100 100

NR1H3-regulon Naive IFN1 0.015085902644795
0.0066246577566791 12522457.5 0.556989975480793
1.437423551684e-09 3.09263855059285e-09 31.936127744511
21.9944289693593

NR2C2-regulon Naive IFN1 0.0232614160862448
0.00149171778342806 11772961.5 0.523652928127033
0.0662722243456105 0.0855514168825154 77.8443113772455
75.9576601671309

NR3C1-regulon Naive IFN1 0.227545995113998
0.00209150220338442 11616401 0.51668922878477 0.198144932660627
0.234471503648409 100 100

NRF1-regulon Naive IFN1
0.0257875500565671 -0.0009521284285278 10846818.5
0.482458748241678 0.176198886318914 0.213848221002442
99.8003992015968 99.9688022284123

PAX5-regulon Naive IFN1 0.105982221835035
0.00577834191533831 13041672.5 0.580084288248016
6.61392570825917e-10 1.44488838549662e-09 100 100

POU2F1-regulon Naive IFN1 0.00611040362713486
0.00124415961935388 11983777 0.533029851161187
0.000161165289373144 0.000251488693307544 24.750499001996
18.275208913649

POU6F1-regulon Naive IFN1 0.0372461892011825
0.00631377017131926 12397089 0.551413674044668
5.13380663647458e-05 8.37931657907345e-05 71.2574850299401
65.2880222841226

REL-regulon Naive IFN1
0.253873846022881 -0.00994797234567257 8409510.5
0.374049027293602 2.6881459148731e-22
9.31016390029221e-22 100 100

RELA-regulon Naive IFN1 0.0947140104918501
0.00267912930525634 12685294.5 0.564232849065101
7.31528140391184e-07 1.38502661247398e-06 100 100

RELB-regulon Naive IFN1
0.0965733548738974 -0.00870645257023787 7491761.5
0.333228206539567 7.62921827627088e-38
4.92431361468393e-37 100 100

REST-regulon	Naive IFN1	0.220639063526179		
0.00204315002520852	11971916.5	0.532502304583034		
0.0122052581955417	0.016826666385139	100	100	
RFX5-regulon	Naive IFN1			
0.0631984905351351	-0.00217398711627172	11244739		
0.50015796818619	0.990283012569109	0.990283012569109		100
	100			
RXRA-regulon	Naive IFN1	0.0154786072949745		
0.00095905755759744	11875506.5	0.528214056566533		
0.0259531323961909	0.0344424747687768	70.6586826347305		
64.191643454039				
SETDB1-regulon	Naive IFN1			
0.0583490630510343	-0.00138374186988515	11123661.5		
0.494772527368661	0.686876126334569	0.722491925477843		
	92.6147704590818	95.0796657381616		
SOX5-regulon	Naive IFN1	0.00995689720497441		
0.00217763714713767	11787561	0.524302303471052		
0.0103676792747617	0.0144334358530997	26.9461077844311		
22.4445682451253				
SP1-regulon	Naive IFN1	0.0155591962956732		
0.00259396271354003	12441678.5	0.55339698319239		
2.06575197931837e-05	3.45102095368481e-05	69.061876247505		
59.7192200557103				
SP2-regulon	Naive IFN1	0.0286306251853698		
0.000394827454195019	11527619	0.512740268766089		
0.325921407983944	0.367308253442223	100	100	
SP3-regulon	Naive IFN1	0.0324622882160987		
0.00423919317385509	14461180.5	0.643222991343219		
2.35686032050893e-28	1.01416413791596e-27	100	100	
SP4-regulon	Naive IFN1	0.0113643342403459		
0.00275684850815446	12205421	0.542888418149773		
3.68694800296185e-05	6.08775135372771e-05	37.125748502994		
28.924791086351				
SPI1-regulon	Naive IFN1			
0.417681424355669	-0.000871172014814847	10753221		
0.478295598218605	0.0942171695684866	0.116337722423696		
	100	100		
SPIB-regulon	Naive IFN1			
0.544374764535341	-0.020300596021105	6859456		
0.305103709016507	4.82284553335453e-51			
4.89174332668816e-50	100	100		
SREBF1-regulon	Naive IFN1			
0.0404196761874689	-0.000515900000621732	11106527.5		
0.494010419272875	0.644193242832584	0.687785266783662		
	97.2055888223553	96.891364902507		
SREBF2-regulon	Naive IFN1	0.101845274167912		
0.0028945996657916	12519003	0.556836321785399		
1.17337671073101e-05	2.03194503565614e-05	100	100	
SRF-regulon	Naive IFN1	0.022570302729831		
0.00182123496967643	12125153	0.539318154776797		

0.00243167091843246	0.00348785121633747	98.8023952095808
97.925348189415		
STAT1-regulon Naive IFN1	0.10094247672537	0.021410359954294
19499801	0.867337236390728	1.73677273768196e-176
1.23310864375419e-174	100	100
STAT2-regulon Naive IFN1	0.0824905219472696	
0.0164376567695997	15695421.5	0.698121150456747
1.09628725817242e-52	1.29727325550403e-51	100
99.9621169916435		
STAT5A-regulon Naive IFN1		
0.0628625948206457	-0.00884286833975363	8427916.5
0.374867713041883	4.98439420701723e-22	
1.68519994618202e-21	100	100
TBP-regulon Naive IFN1		
0.0202489311935767	-0.000659616939511717	11231056
0.499549358108296	0.970354829321867	0.977236778465994
50.0998003992016	49.883008356546	
TCF12-regulon Naive IFN1	0.0102192495780039	
0.00118866035548445	11479705.5	0.510609110469868
0.28352276148453	0.324679291377446	26.9461077844311
25.2011142061281		
TFDP1-regulon Naive IFN1		
0.497849032248096	-0.0306527090266784	6226154
0.276934887884398	2.66078733606486e-66	
5.39759716744585e-65	100	100
TFDP2-regulon Naive IFN1		
0.0269199868786721	-0.000205435065983271	11631837
0.517375811051991	0.180311984525167	0.216985608496387
100	99.9955431754875	
TFEC-regulon Naive IFN1		
0.0849574459362756	-0.00665760661365732	9565140
0.425450602972328	9.01563997839502e-09	1.8553925752639e-08
100	100	
THAP1-regulon Naive IFN1		
0.0371382098658062	-2.72035281492847e-05	11308848
0.503009490767768	0.816498319936261	0.840164937905428
100	100	
THAP11-regulon Naive IFN1		
0.17763114224884	-0.000856019066743319	10579299 0.470559671742865
0.0232043173925685	0.0310850289598559	100 100
TP53-regulon Naive IFN1		
0.0876867162577296	-0.0107890992105733	7974475
0.354698958628704	3.90935778191876e-29	
1.73477751572645e-28	100	100
USF2-regulon Naive IFN1	0.130818728555648	
0.00559429044882201	13693459.5	0.609075308992044
4.08376008798775e-17	1.20811235936304e-16	100 100
XBP1-regulon Naive IFN1	0.195954575124487	
0.000672129523542786	13495949.5	0.60029020510511
1.04978983017553e-14	2.710366470635e-14	100 100

YBX1-regulon	Naive IFN1			
0.0910038569115036	-0.00422657098213518			8742689
0.388868569268149	1.04378505650107e-17			
3.29372173384782e-17	100	100		
YY1-regulon	Naive IFN1			
0.609010231162041	-0.0308011793022795			6165905
0.274255055348912	7.36325581534074e-68			
2.09116465155677e-66	100	100		
YY2-regulon	Naive IFN1	0.0707218609643046		
0.0199399627035918	14844763.5	0.660284489516788		
4.07708575581619e-35	2.22671606663807e-34			98.0039920159681
90.4467966573816				
ZBTB33-regulon	Naive IFN1	0.367037834314061		
0.00122534974047944	11456149.5	0.509561356395843		
0.460972831208879	0.503524169474314		100	100
ZNF143-regulon	Naive IFN1	0.0268325813162046		
0.00354094129200605	13884347.5	0.617565871043428		
1.24432325701212e-19	4.1091605231563e-19		100	
99.9933147632312				
ZNF274-regulon	Naive IFN1	0.0709673433102925		
0.00568862104542152	13642336	0.60680137218599		
1.79358826911853e-16	5.09379068429663e-16		100	100
ZNF76-regulon	Naive IFN1	0.0164997822877186		
0.00196436433926987	12913560.5	0.574385957889235		
9.71233407546092e-09	1.97021634102207e-08			99.6007984031936
99.458495821727				