

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

Additional file 9: Table S6A. Network module gene membership and correlations between RNA expression (log2 RPMs) at 2, 24 and 72h in infected cells, and *M.tb* generation times (aka RLU ratios, growth rates, 48-72h) in *M.tb* infected and control AMs

Network Module Membership - 24hr				Network Module Membership - 24hr				Network Module Membership - 72hr			
GeneID	Module	COR	Pval	GeneID	Module	COR	Pval	GeneID	Module	COR	Pval
PCCB	black	-0.5779	0.001989	RASSF2	black	-0.729181847	1.59971E-05	DGKA	black	-0.37093	0.062103
ABHD16B	black	0.53643	0.004727	PDCD6IP	black	-0.685350601	7.98935E-05	SHISA4	black	-0.35935	0.071389
PEX19	black	-0.53397	0.00496	PHF21A	black	-0.675323488	0.000111611	LOC50643	black	-0.33861	0.090631
HAUS7	black	-0.49485	0.010167	MARK4	black	-0.611263324	0.000705987	NMT2	black	-0.2992	0.137589
HECA	black	0.465064	0.016669	C17orf80	black	-0.603885183	0.000851902	ACTR6	black	-0.28984	0.150926
ATP5J2	black	-0.42764	0.029318	STAR7D	black	-0.601455907	0.000905362	TEFM	black	-0.28599	0.156671
SNORA70G	black	0.426341	0.029865	CLECSA	black	-0.593389197	0.001104342	PAFAH1B1	black	-0.25777	0.203598
IMMT	black	-0.42047	0.032451	CAMTA2	black	-0.585320655	0.001340223	DISP1	black	-0.24828	0.221333
SRI	black	-0.41897	0.033137	TMUB1	black	-0.568501855	0.001975229	FGFR1OP	black	-0.24783	0.222198
C17orf75	black	-0.41461	0.035206	MCRS1	black	-0.556015551	0.002600385	YARS2	black	-0.24457	0.228544
COX18	black	-0.41136	0.036815	PSMC5	black	-0.551980055	0.002835674	PSKH1	black	-0.24204	0.233541
NLRP2	black	-0.40299	0.041225	GOT2	black	-0.542645797	0.003450692	CASD1	black	-0.24127	0.235072
PLGRKT	black	-0.39689	0.044692	MRP57	black	-0.541055872	0.003566043	CORO1A	black	-0.24006	0.237513
TANC2	black	0.394104	0.046352	UTP14C	black	-0.527922804	0.004651101	FAM20A	black	-0.23273	0.252567
IFIH1	black	-0.38907	0.049474	ATN1	black	-0.527223272	0.004716001	GPX4	black	-0.22653	0.26578
FLYWCH2	black	-0.37902	0.056193	TTBK2	black	-0.523684853	0.005056189	SUB1	black	-0.22646	0.265943
PANK3	black	0.378379	0.056646	HSD17B10	black	-0.514147822	0.00607832	EBNA1BP2	black	-0.21802	0.284644
EXOSC10	black	-0.37771	0.057124	PSME3	black	-0.511263523	0.00641984	PSME2	black	-0.21132	0.300057
PDXDC2P	black	0.374228	0.05964	MSANTD4	black	-0.511109338	0.006438543	FBXO46	black	-0.20945	0.304453
INIP	black	-0.36617	0.065802	NDUFA11	black	-0.510555605	0.006506092	ACRBP	black	-0.20391	0.317731
REV3L	black	-0.35986	0.070964	PLEKHM2	black	-0.509926555	0.006583553	GTF3C3	black	-0.19683	0.335168
NAAS0	black	0.359553	0.071218	VTI1B	black	-0.504540428	0.007279213	GLO1	black	-0.1962	0.336762
ZMPSTE24	black	-0.35651	0.073818	SLC39A13	black	-0.500363388	0.007860386	HIST1H31	black	-0.19579	0.337774
GNP3	black	-0.35556	0.074647	CCZ1B	black	-0.498711623	0.008100716	TMEM192	black	-0.19401	0.342284
NDUF52	black	-0.3538	0.076203	USO1	black	-0.495910299	0.008522401	CD36	black	-0.19347	0.343655
IGIP	black	0.352256	0.077582	ACTL6A	black	-0.495529398	0.008581135	GNL2	black	-0.19178	0.347954
NECAP2	black	-0.35219	0.077641	NUP85	black	-0.495380778	0.008604143	HIST1H2BE	black	-0.19175	0.348049
CRK	black	0.349685	0.079924	FLYWCH1	black	-0.494508224	0.008740272	HIST1H4J	black	-0.19138	0.348992
STAT1	black	-0.34826	0.081244	ORAI2	black	-0.493577347	0.008887486	ATP6V1C1	black	-0.19129	0.349231
MB21D1	black	-0.34739	0.082057	ARAP1	black	-0.489322634	0.009587057	CRYZL1	black	-0.1906	0.350998
IMPDH2	black	0.346712	0.0827	HLA-F	black	-0.489143919	0.009617421	ACAA2	black	-0.17561	0.390829
SIGLEC7	black	-0.34399	0.085305	SH2B3	black	-0.484679869	0.010402377	MRPS23	black	-0.17392	0.395478
ASTE1	black	0.343234	0.086038	CAPN2	black	-0.484360645	0.010460499	ASUN	black	-0.17342	0.396878
FNTA	black	-0.34235	0.086901	METRNL	black	-0.481887876	0.010919963	SMC6	black	-0.17228	0.400012
STAT2	black	-0.34169	0.087549	CTPS1	black	-0.480671889	0.011152001	EVIS	black	-0.1711	0.403316
AP151	black	-0.33993	0.089301	RPUSO3	black	-0.479853135	0.01131054	VDAC3	black	-0.17074	0.404325
SLC25A38	black	-0.33809	0.091157	RTFDC1	black	-0.476848939	0.011908421	DYM	black	-0.16852	0.41055
RAN	black	-0.33309	0.09636	RRAS	black	-0.47595693	0.012090922	TRIAP1	black	-0.16818	0.411499
C18orf32	black	-0.33188	0.097645	NFKBIE	black	-0.474708999	0.012350138	ANAPC1	black	-0.16722	0.414223
CDC84	black	-0.3292	0.100554	LATS2	black	-0.471586694	0.01301898	HEATR1	black	-0.16704	0.414738
FOXO3	black	0.327727	0.102175	MIDN	black	-0.470940996	0.01316098	ZNF830	black	-0.16635	0.416671
CDK14	black	0.326406	0.103647	SRSF2	black	-0.470565781	0.013244085	FAM175B	black	-0.16259	0.427455
RRN3P2	black	-0.3263	0.103765	METTL2B	black	-0.464564738	0.014633469	DTWDD2	black	-0.16257	0.427494
SSR2	black	-0.32601	0.104094	HIST2H2AC	black	-0.464390607	0.014675517	ENOPH1	black	-0.16223	0.428488
UBE2Q2	black	-0.32587	0.10425	ARMCX3	black	-0.462455238	0.01514961	HINT3	black	-0.16182	0.429658
FAM136A	black	-0.32515	0.105067	COP55	black	-0.461137331	0.015479632	H2FAFZ	black	-0.1562	0.44607
NR4A3	black	0.325033	0.105193	KIAA0240	black	-0.457582141	0.016399606	HIST1H2AC	black	-0.15475	0.450353
ZMAT2	black	-0.32498	0.105249	TIMM13	black	-0.454316289	0.017283958	LYST	black	-0.15273	0.456342
GGCT	black	-0.32498	0.105256	MAP3K11	black	-0.453765155	0.017436996	RCCIP	black	-0.15117	0.46103
UPRT	black	0.324527	0.105767	ARRB1	black	-0.452241262	0.017865598	KIAA0922	black	-0.15062	0.462685
PAPD5	black	-0.3235	0.106938	GLUL	black	-0.451741576	0.018008489	PPIA	black	-0.15006	0.464354
TAF1C	black	-0.3211	0.109719	TRIM27	black	-0.451150626	0.018178255	CLCN3	black	-0.14856	0.468891
ZNF264	black	0.320641	0.110256	SRSF4	black	-0.450512962	0.018362914	C2orf47	black	-0.14667	0.474619
BET1L	black	-0.32023	0.11074	RNP51	black	-0.450400877	0.018395531	ZNF654	black	-0.14291	0.486156
HADHB	black	0.319672	0.111398	NACC1	black	-0.447082573	0.019382921	DYNC2L1	black	-0.14009	0.494873
HIST1H4D	black	-0.31959	0.111496	CDKN1B	black	-0.445044337	0.020010657	RILPL2	black	-0.13973	0.496002
USP30	black	-0.31682	0.114811	ABR	black	-0.440311358	0.021532678	WDR75	black	-0.13841	0.500132
RLIM	black	0.31567	0.116201	RIC8A	black	-0.440241372	0.021555874	PPM1F	black	-0.13758	0.502713
DAXX	black	-0.31476	0.117315	APLP2	black	-0.440032459	0.021625235	ABCE1	black	-0.13637	0.506517
SYNCRIP	black	0.313559	0.118796	TUBB	black	-0.438776721	0.022046004	ITGB2	black	-0.13603	0.507576
BUD31	black	-0.31209	0.12063	RAC1	black	-0.438294063	0.022209498	RHEB	black	-0.13468	0.511841
ARHGEF3	black	-0.31016	0.123067	PLEKHJ1	black	-0.435678296	0.023112846	SLC25A24	black	-0.12969	0.527745
FHIT	black	-0.30853	0.125152	GTF2H4	black	-0.429926539	0.025204653	GNA15	black	-0.12958	0.528097
POM121	black	-0.30491	0.129866	CTTNBP2NL	black	-0.428705259	0.025668007	MRPL40	black	-0.12718	0.535844
RAB8A	black	-0.30267	0.132859	COPA	black	-0.427991594	0.025941955	MGC72080	black	-0.12635	0.538515
MRPL17	black	-0.29781	0.139516	C12orf10	black	-0.4272586	0.026225785	VPS8	black	-0.12527	0.542016
ALKBH7	black	-0.29734	0.140171	FGD3	black	-0.427101149	0.026286948	KIAA0368	black	-0.12516	0.542374
COMM4D	black	-0.29545	0.142822	NUP155	black	-0.426626733	0.026472473	FBXO3	black	-0.12319	0.548797
CBX5	black	-0.29535	0.142962	SBF1	black	-0.425516827	0.026910343	DBI	black	-0.1227	0.550428
OXAL1	black	-0.29414	0.144691	BRF1	black	-0.423372485	0.027772917	TMED4	black	-0.1212	0.555322
PPP2R5B	black	-0.29083	0.149473	RELA	black	-0.423184625	0.027849538	AGPS	black	-0.12013	0.558843
LETMD1	black	-0.28675	0.155525	RNH1	black	-0.421564307	0.028517523	PSME1	black	-0.11902	0.562524
GLT2SD1	black	-0.28648	0.155933	ERGI1	black	-0.420127688	0.029120549	ERMP1	black	-0.11597	0.572633
XAB2	black	-0.28607	0.156559	RELT	black	-0.418676007	0.029740311	TIMM21	black	-0.11251	0.584242
RASA3	black	0.285444	0.157506	FBXO7	black	-0.417280531	0.030346063	PTCD3	black	-0.10487	0.610162
HNRNPA2B1	black	-0.2845	0.158937	RNF185	black	-0.415723454	0.031033659	UBR4	black	-0.10468	0.610814
PRPF18	black	-0.28331	0.160763	HNRNPUL2	black	-0.415081505	0.031320766	CYTH2	black	-0.10454	0.611294
TRAPPPC12	black	-0.28316	0.161001	SDF2L1	black	-0.414075671	0.031774913	FAM110A	black	-0.10423	0.612371
TLR1	black	-0.28202	0.162763	LRFN4	black	-0.413847392	0.031878717	MED6	black	-0.09914	0.62992
CAPRN2	black	0.279279	0.167068	PPP1R35	black	-0.412385579	0.032549926	CKNK	black	-0.09774	0.634765
TRAF7	black	-0.27926	0.16709	FCGR2	black	-0.412307403	0.032586139	KCTD17	black	-0.09708	0.637071
IKZF1	black	-0.27882	0.167795	CCDC127	black	-0.411877624	0.0327858	CD40	black	-0.09622	0.640085
VIM	black	-0.27736	0.170131	COX8A	black	-0.411384781	0.033015966	HIST1H2BD	black	-0.09255	0.652947
ZDHHC6	black	-0.27514	0.173716	SARS	black	-0.411101713	0.03314875	COG6	black	-0.09076	0.65926
FKRP	black	-0.27477	0.174307	EZR	black	-0.40734161	0.034953576	NRAS	black	-0.09052	0.660089
CC2D1B	black	-0.27387	0.175795	USB1	black	-0.406152258	0.035540557	MAP15	black	-0.08922	0.66472
KDSR	black	0.273607	0.176219	MAP15	black	-0.405642323	0.03579463	INTS7	black	-0.08722	0.671814
SPOP	black	-0.26975	0.18263	TRADD	black	-0.398503088	0.039506686	EPNS	black	-0.08649	0.674416
DMAP1	black	-0.26967	0.182771	AHNAK	black	-0.397632702	0.03997946	ANO10	black	-0.08536	0.678434
RBM42	black	-0.26926	0.183466	GNPTG	black	-0.396456539	0.040625464	ACE	black	-0.08014	0.697158
TMEM116	black	-0.26865	0.184491	ENTPD6	black	-0.395424051	0.041199371	IER3IP1	black	-0.07783	0.70549
S100A11	black	-0.26689	0.187494	ZC3H3	black	-0.394383992	0.041783982	UTP3	black	-0.07547	0.714041
PIPL4	black	-0.26588	0.189243	CD37	black	-0.394023348	0.				

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PTPN11	red	-0.29802	0.139221	TRIM37	purple	-0.019728728	0.922192814	POM121C	salmon	-0.07696	0.708642
HERC2	red	0.297677	0.139694	RNF168	purple	-0.018981152	0.925132847	MNF1	salmon	-0.07552	0.713869
PRPF19	red	-0.29763	0.139754	TNRC6C	purple	-0.018448722	0.927227354	RFC4	salmon	-0.07342	0.721497
XRCC1	red	0.297551	0.139869	TRNT1	purple	-0.016285488	0.935741932	PSENE1	salmon	-0.07116	0.729769
TBC1D15	red	-0.29682	0.140899	FARP1	purple	-0.015881773	0.937331762	TAX1BP3	salmon	-0.06883	0.738316
HNRPL	red	-0.29633	0.141577	HELB	purple	-0.011871289	0.95313684	FAM20C	salmon	-0.06681	0.745714
SPPL2B	red	0.294896	0.14361	ZNF322	purple	-0.0106655275	0.95789332	ZNF416	salmon	-0.06492	0.752699
DERA	red	-0.29419	0.144623	GNAI3	purple	-0.009853404	0.961096115	CRTC3	salmon	-0.06139	0.765766
ANKRD42	red	-0.29395	0.144965	HSCB	purple	-0.006710048	0.973501644	SLC30A7	salmon	-0.06111	0.766801
SESN1	red	-0.29379	0.145191	ATPAF1	purple	-0.005064148	0.979999908	THUMP1D1	salmon	-0.06073	0.768202
NCOA7	red	0.292831	0.146568	APOC1	purple	-0.002527123	0.990018771	APIP	salmon	-0.05945	0.77297
ERP29	red	-0.2927	0.14675	ANAPC10	purple	-0.001846363	0.992707444	ZNF14	salmon	-0.0587	0.775765
RNF115	red	-0.29198	0.147803	DYNLT3	purple	0.001754319	0.993070982	EIF2S1	salmon	-0.05385	0.793897
ALG5	red	-0.29156	0.148416	PLXNA1	purple	0.004410716	0.982580125	RNF169	salmon	-0.05262	0.798489
STK39	red	-0.29093	0.149331	MRPL50	purple	0.005347761	0.978880063	UXT	salmon	-0.05199	0.800878
UVRAG	red	-0.29085	0.149439	HAUS2	purple	0.017486275	0.931014673	LSM14A	salmon	-0.05096	0.804729
TMEM131	red	-0.29074	0.149602	TMEM164	purple	0.018758381	0.926009138	PEBP1	salmon	-0.04373	0.832006
TMEM219	red	0.290201	0.150397	WRN	purple	0.024677103	0.902758998	ALOX5AP	salmon	-0.03461	0.866705
SLC22A15	red	-0.28887	0.152366	LSG1	purple	0.028272268	0.888673249	NIPSNAP1	salmon	-0.026	0.899654
C18orf25	red	0.288193	0.15337	PSMG1	purple	0.028386593	0.888225847	COX5B	salmon	-0.0241	0.906953
TTC37	red	-0.28751	0.154391	RPL7	purple	0.029813055	0.88264633	PET100	salmon	-0.02217	0.914396
LANCL1	red	-0.28735	0.154636	DDHD1	purple	0.029844286	0.882524231	SAMD8	salmon	-0.01751	0.932333
MORF4L2	red	-0.286	0.156661	RAB18	purple	0.030340404	0.880585006	ACVR1	salmon	-0.01721	0.933517
DHRS59	red	-0.28553	0.157371	SLC44A2	purple	0.038853107	0.84742422	ZNF182	salmon	-0.01385	0.946471
WDR47	red	-0.28529	0.157735	AKAP10	purple	0.040105261	0.842566473	TSN	salmon	-0.01049	0.959441
KCTD9	red	-0.28509	0.158044	SLC4A2	purple	0.040266325	0.841942027	PILRB	salmon	-0.01012	0.960871
GPR108	red	0.284137	0.1595	CCDC25	purple	0.040783674	0.839936895	C19orf43	salmon	-0.00472	0.981758
LOC731275	red	-0.28344	0.160574	BDP1	purple	0.043718578	0.828580642	CHCHD4	salmon	-0.00373	0.985587
SMARCD2	red	0.28276	0.16162	CWF19L1	purple	0.050497328	0.80248284	GSTP1	salmon	-0.00056	0.997823
FIG4	red	-0.28251	0.162007	CBWD5	purple	0.050561935	0.802235054	PPARA	salmon	0.003969	0.984648
FGF10	red	-0.28205	0.162719	BMS1P4	purple	0.053992628	0.789104663	TLK2	salmon	0.006291	0.97567
TTC23	red	-0.28115	0.164122	ZNF148	purple	0.054172274	0.788418613	NDUFA12	salmon	0.013237	0.94883
ADAM9	red	-0.28098	0.164394	C14orf28	purple	0.056821733	0.77831872	CCT7	salmon	0.021898	0.915441
FAM82B	red	-0.28089	0.164525	FAM82A2	purple	0.065888494	0.744029924	ACD	salmon	0.023813	0.908074
CLIP1	red	-0.28012	0.165746	GTF2H2C	purple	0.068254697	0.735156327	NRIP1	salmon	0.028698	0.889322
SECISBP2L	red	-0.27938	0.166903	NAT10	purple	0.069311332	0.731204409	RP55	salmon	0.030445	0.882629
ALG11	red	-0.27928	0.167072	BTBD3	purple	0.069569419	0.730240153	NARS	salmon	0.030991	0.880538
WWP1	red	-0.2771	0.170536	PTPN2	purple	0.072143437	0.720645279	FLII	salmon	0.031112	0.880075
ATP6VOA2	red	-0.27691	0.170847	TAF7	purple	0.074949032	0.710232983	DOT1L	salmon	0.032187	0.875961
CLIC1	red	0.276879	0.170898	PSTPIP2	purple	0.076034003	0.706221302	PSMB3	salmon	0.032694	0.874024
RGS18	red	-0.27647	0.171561	SH3YL1	purple	0.07703865	0.702512453	DKC1	salmon	0.033011	0.872811
AP3B1	red	-0.27494	0.174033	SUZ12P1	purple	0.08209801	0.683937322	SSSCA1	salmon	0.033409	0.87129
FADS1	red	-0.27456	0.174658	LRIG2	purple	0.083589837	0.678493573	TMEM134	salmon	0.033797	0.869809
IFI44L	red	-0.27323	0.176838	SDAD1	purple	0.083711465	0.678050443	BRD4	salmon	0.039134	0.849464
BLZF1	red	-0.27302	0.177181	DDX17	purple	0.084645021	0.674652688	ORMDL2	salmon	0.040247	0.84523
SERAC1	red	-0.27257	0.177924	DBNDD2	purple	0.090112695	0.654879277	RGL3	salmon	0.04027	0.845146
FUS	red	-0.27227	0.17842	EXOSC9	purple	0.09581979	0.634479776	SPIRE1	salmon	0.044423	0.829395
SF3A1	red	0.272099	0.17871	BOLA3	purple	0.096361777	0.632555677	C14orf2	salmon	0.046983	0.819717
GNAI1	red	-0.27195	0.178964	GPR34	purple	0.101188249	0.615525339	SCAMP3	salmon	0.052489	0.798989
HELLS	red	-0.27175	0.179285	NUP54	purple	0.102616447	0.610522428	RAB4B	salmon	0.053769	0.79419
FBXO8	red	-0.27132	0.180002	DPY30	purple	0.106145339	0.598234229	GADD45GIP	salmon	0.055209	0.788798
TMEM206	red	-0.27074	0.180984	H6PD	purple	0.110269275	0.584009256	SENP5	salmon	0.058256	0.777422
GCHFR	red	-0.26973	0.182675	DHX38	purple	0.112460963	0.576510025	PNL1YP	salmon	0.058547	0.776337
ARAP2	red	-0.26958	0.182926	TAF1A	purple	0.114454765	0.569725171	SEC24D	salmon	0.063199	0.759064
RIOK3	red	-0.26958	0.182928	COP52	purple	0.121027363	0.547616065	COX6A1	salmon	0.066656	0.746299
DUSP8	red	0.269332	0.183343	UBE2Z	purple	0.130925127	0.515093761	VIPAS39	salmon	0.067186	0.744345
PIK3C2A	red	-0.26886	0.184149	ATP6VOC	purple	0.133428501	0.50702019	SELK	salmon	0.069554	0.735648
PER3	red	-0.2686	0.184589	GPR180	purple	0.139883398	0.486494599	TMEM223	salmon	0.069629	0.735372
RFC3	red	-0.2685	0.184758	C8orf76	purple	0.142828046	0.477273259	MRPL14	salmon	0.077374	0.707147
GRB2	red	-0.26821	0.185248	FAM217B	purple	0.144568415	0.471865727	RBM3	salmon	0.078284	0.703854
HSP90AA1	red	-0.26808	0.185465	RGS10	purple	0.151506278	0.450627717	UBA52	salmon	0.080833	0.694659
RAP1GDS1	red	-0.26781	0.185919	COG7	purple	0.154923719	0.440356397	BANF1	salmon	0.082024	0.690375
MMS22L	red	-0.26718	0.187005	HNRPL	purple	0.162332307	0.418528502	ASNA1	salmon	0.083782	0.684073
MAFF	red	0.266938	0.187419	ZCHC4	purple	0.168146421	0.401825959	PARK7	salmon	0.086568	0.674126
ANGEL2	red	-0.26654	0.188107	BIRC2	purple	0.168412545	0.401070552	RANGAP1	salmon	0.089095	0.665148
PTPN9	red	-0.26601	0.189012	SNRPE	purple	0.170430661	0.395368137	ZNF646	salmon	0.092031	0.654775
C3orf62	red	-0.26577	0.189423	TMAM41	purple	0.176299104	0.379049805	ENY2	salmon	0.099191	0.629738
METTL21A	red	-0.2654	0.190068	NFKBIZ	purple	0.194571454	0.330792174	RPL23A	salmon	0.102491	0.618332
C20orf72	red	-0.2654	0.190075	ICT1	purple	0.19627631	0.326489088	SNRPG	salmon	0.104573	0.611176
PI4KB	red	0.265347	0.190162	SBDSP1	purple	0.206069585	0.30243649	DRG1	salmon	0.108216	0.598745
GPS1	red	0.265324	0.190202	MOB4	purple	0.206946588	0.300338005	RDH14	salmon	0.111253	0.588463
TRAPP1C1	red	-0.26458	0.191494	LOC388796	purple	0.211933782	0.288578362	EXOC4	salmon	0.113036	0.58246
TMEM68	red	-0.26453	0.191582	UBE2T	purple	0.212099521	0.288192629	RNF40	salmon	0.11446	0.577687
LRRCC8B	red	-0.26364	0.193134	DYNCL11	purple	0.213133995	0.285792415	KLHDC4	salmon	0.115357	0.57469
PON2	red	-0.26321	0.193895	SBD5	purple	0.215248813	0.280925133	POLDIP2	salmon	0.116076	0.572291
ACADM	red	-0.26193	0.196152	TM2D1	purple	0.222893143	0.26377468	SERPINA1	salmon	0.117657	0.567033
SERF1A	red	-0.2617	0.196563	KATNA1	purple	0.233621622	0.24087256	LYRM7	salmon	0.126303	0.538673
UCHL3	red	-0.26107	0.197669	MTIF3	purple	0.242321241	0.223296611	NDEL1	salmon	0.12757	0.534576
CNDP2	red	-0.26088	0.198008	MINPP1	purple	0.255289012	0.198732209	WBSR22	salmon	0.129369	0.52878
LINC00174	red	-0.26087	0.198024	MRPL33	purple	0.280864844	0.158866663	FUT4	salmon	0.132345	0.519261
C5orf15	red	-0.26014	0.199328	METTL5	purple	0.292525167	0.138688835	SUPT4H1	salmon	0.138305	0.500449
REEP3	red	-0.25911	0.201176	TMEM126A	purple	0.294847741	0.135437619	NAALADL1	salmon	0.141739	0.489765
DYX1C1	red	-0.25854	0.202201	DBI	purple	0.300529485	0.127717612	CALM3	salmon	0.141933	0.489164
TAX1BP1	red	-0.25854	0.202212	SLIRP	purple	0.331248293	0.091449222	SFT2D1	salmon	0.143085	0.485607
PTDS2	red	0.258503	0.202277	FBXO22	purple	0.343005988	0.079849859	TIMM23	salmon	0.148844	0.468029
FAM83H	red	0.258373	0.202513	RPL23	purple	0.353492874	0.070482701	ARHGAP25	salmon	0.151232	0.460839
MAP3K1	red	-0.25813	0.202947	CCOAMD3	purple	0.369381429	0.057930283	NOP16	salmon	0.153046	0.455416
C4orf34	red	-0.25764	0.203849	CCDC90A	purple	0.382509682	0.048936276	ARL8A	salmon	0.154071	0.452365
RPL24	red	-0.2569	0.205188	CCDC146	purple	0.401373754	0.037978882	AKT2	salmon	0.157159	0.443244
MPHOSPH8	red	-0.25619	0.206482	BCL3	red	-0.621002635	0.000546981	MBD3	salmon	0.157466	0.442343
ESD	red	-0.25508	0.208525	SGTB	red	-0.620828262	0.000549526	TIMM10	salmon	0.158401	0.439601
CRBN	red	-0.2546	0.209423	RAF1	red	-0.590509453	0.001184027	PSMC1	salmon	0.160569	0.433285
EPMD2A	red	-0.25416	0.210237	SMARCD1	red	-0.569985071	0.001910382	COQ6	salmon	0.161412	0.430843
ST7	red	-0.25414	0.210								

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

IL1RAP	red	-0.24958	0.218842	RNF24	red	-0.53561782	0.003985777	TCEB2	salmon	0.198984	0.329801
PAIP2	red	-0.24795	0.221965	HEATR6	red	-0.534209478	0.004101093	RBX1	salmon	0.201937	0.322526
ME2	red	-0.24781	0.222243	SLC35B2	red	-0.52907144	0.004546178	CCDC71	salmon	0.20562	0.31359
WDSUB1	red	-0.24755	0.222735	EML4	red	-0.524961929	0.004931087	HMGXB4	salmon	0.206788	0.310788
SNF8	red	0.246632	0.224518	PRKCSH	red	-0.523844861	0.005040368	CHCHD5	salmon	0.208967	0.305605
SSB	red	-0.24662	0.224547	FLAD1	red	-0.523589809	0.005065606	OTUD5	salmon	0.214944	0.291659
GART	red	-0.24657	0.224641	DARS2	red	-0.523152033	0.005109173	LMAN2	salmon	0.21896	0.282518
TCP11L1	red	-0.24516	0.227391	POLR3C	red	-0.522470889	0.005177592	COX4I1	salmon	0.227569	0.263542
BCOR	red	-0.24451	0.228656	SLC23A2	red	-0.520241893	0.005406939	CLASP1	salmon	0.231816	0.254492
DDX21	red	-0.2444	0.228875	NIN1A	red	-0.518408396	0.005601985	ANKZF1	salmon	0.234128	0.24965
PTPN12	red	-0.24435	0.228971	RANBP9	red	-0.515949558	0.00587287	SUMO2	salmon	0.235267	0.247288
RABEPK	red	-0.24367	0.230307	GTF3C5	red	-0.507928858	0.006834725	UBE2D3	salmon	0.251393	0.215409
TMEM189	red	0.243142	0.231355	ARL15	red	-0.50622344	0.007055491	BAP1	salmon	0.251747	0.214743
JC10050571	red	-0.24306	0.231526	UQCRC10	red	-0.503333722	0.007443267	CP5F3L	salmon	0.254526	0.209554
MED29	red	0.242733	0.232166	BCAP31	red	-0.495888119	0.008525812	INTS9	salmon	0.265581	0.189758
WDR3	red	-0.24272	0.232191	ANPEP	red	-0.493305991	0.008930788	ENDOG	salmon	0.272258	0.178447
SKA2	red	-0.24267	0.232294	NRBP1	red	-0.492328446	0.00908825	SLC25A28	salmon	0.275775	0.172681
SEPF5C5	red	-0.24263	0.232373	PRPF38A	red	-0.491427831	0.009235371	STX5	salmon	0.275817	0.172612
APBB1P	red	-0.2418	0.234029	POLR3H	red	-0.491193951	0.009273901	ERGIC3	salmon	0.286009	0.15665
ZNF568	red	-0.24167	0.234276	SEC24A	red	-0.491152965	0.009280667	VPS39	salmon	0.288229	0.153315
CLNS1A	red	-0.24022	0.23719	UBAC2	red	-0.488168845	0.009784508	CHMP6	salmon	0.303783	0.131368
RBMX2	red	-0.23982	0.237999	BET1L	red	-0.486606097	0.010154079	SYS1	salmon	0.316031	0.115761
EMR2	red	0.23892	0.23981	MSANTD3	red	-0.485809632	0.010198839	RNA5E2C	salmon	0.325015	0.105213
JC10013271	red	-0.23888	0.239896	NF1	red	-0.484303228	0.010470981	DOK1	salmon	0.330929	0.098671
C9orf156	red	-0.23781	0.242068	DENND2D	red	-0.483617373	0.010596878	PSMD8	salmon	0.336714	0.09257
DAP	red	0.236369	0.245017	ORMDL1	red	-0.483613964	0.010597507	NFKB1L1	salmon	0.351635	0.078143
TGFBRAP1	red	-0.23607	0.245634	LRCH3	red	-0.480250052	0.01123345	ASCC2	salmon	0.366799	0.065303
DENND1A	red	-0.23598	0.24582	ABHD13	red	-0.479672465	0.011345776	CSTF2T	salmon	0.425153	0.030374
SAR1B	red	-0.2358	0.246191	UBE2A	red	-0.478157621	0.011644821	LAMTOR2	salmon	0.465096	0.01666
DVL1	red	0.235591	0.246618	GNP1	red	-0.475342608	0.012217956	FAR1	skyblue	-0.28817	0.153401
DERL2	red	-0.23459	0.248681	XRN2	red	-0.472745677	0.012762788	AKAP11	skyblue	-0.2809	0.164512
MTFHD1L	red	-0.23438	0.24912	FAM58A	red	-0.471758274	0.012981461	DOCK10	skyblue	-0.27728	0.170258
ANK1B1	red	-0.23423	0.249433	PLK3	red	-0.47116971	0.013110536	EI24	skyblue	-0.27501	0.173916
GABARAP	red	-0.23401	0.2499	BM11	red	-0.468811543	0.013638417	RADS4L2	skyblue	-0.22996	0.25843
QPCTL	red	0.232398	0.253268	FOSL2	red	-0.467413068	0.013959701	GTDC1	skyblue	-0.21562	0.290119
CRNK1L1	red	-0.23203	0.254038	ATG9A	red	-0.464872863	0.01455931	MED27	skyblue	-0.20373	0.318152
ERCC1	red	-0.23178	0.254558	ATXN2	red	-0.463291233	0.014943294	CYCS	skyblue	-0.19287	0.345183
UQCRC1	red	-0.23171	0.254707	VPRBP	red	-0.463104538	0.014989166	ZNF84	skyblue	-0.18819	0.357219
MPRIP	red	-0.23139	0.255394	PTPN9	red	-0.462411593	0.015160446	MRPL20	skyblue	-0.17518	0.392018
SEC11C	red	-0.23102	0.256182	ALG9	red	-0.460064829	0.015752561	ALG14	skyblue	-0.1688	0.409769
PPP4R1L	red	-0.23093	0.256361	MGAT5	red	-0.45995364	0.015781081	ZC3H18	skyblue	-0.16639	0.416584
ZSWIM3	red	-0.23057	0.257117	ARFGF2	red	-0.457543593	0.016409822	SCAMP1	skyblue	-0.15051	0.463016
PRES1	red	-0.2299	0.258543	ZBTB49	red	-0.456464034	0.016698079	SLC22A15	skyblue	-0.15037	0.463431
GDAP2	red	-0.22963	0.259115	APH1A	red	-0.454677185	0.017184345	DES12	skyblue	-0.15016	0.464066
ATF6	red	-0.22885	0.260799	SLC15A4	red	-0.452463787	0.017802784	NHLRC2	skyblue	-0.13943	0.496928
CDK17	red	-0.22704	0.264684	GNL3	red	-0.451116034	0.018188233	MED23	skyblue	-0.13385	0.514469
LYRM9	red	-0.22688	0.265026	QRS1L	red	-0.450946828	0.018237106	KAT2B	skyblue	-0.12969	0.527746
POFUT1	red	-0.22563	0.267732	PITHD1	red	-0.450864685	0.01826087	IF130	skyblue	-0.11649	0.570898
SYTL3	red	-0.22541	0.268218	STRN	red	-0.449368754	0.01869812	METTL5	skyblue	-0.11081	0.589941
RAB7L1	red	0.225085	0.268931	SAV1	red	-0.448706304	0.018894475	IDS	skyblue	-0.10708	0.602614
ENPP5	red	-0.22471	0.269748	C10orf32	red	-0.44821011	0.019042655	NAV1	skyblue	-0.10198	0.620085
SMG7	red	-0.22458	0.270035	RUNX1	red	-0.446061159	0.019695448	ZNF624	skyblue	-0.09964	0.628198
VASH1	red	0.224162	0.270951	POLR1D	red	-0.444342924	0.020230488	MSR1	skyblue	-0.09778	0.634652
SKI	red	-0.22364	0.272093	IBTK	red	-0.443996713	0.020339721	SYNJ1	skyblue	-0.09724	0.636533
NSDHL	red	-0.22363	0.272116	TTI1	red	-0.443132154	0.020614607	HECTD4	skyblue	-0.09721	0.636636
FAM179B	red	-0.22342	0.272578	RBM18	red	-0.44040707	0.021500989	C12orf73	skyblue	-0.09596	0.64098
CHMP6	red	0.222415	0.274801	SPOP	red	-0.440223709	0.021561731	TRIT1	skyblue	-0.08627	0.675171
LMBRD1	red	-0.22149	0.276861	EMD	red	-0.438201728	0.022240888	ZC3H11A	skyblue	-0.06669	0.746155
ARHGAP11f	red	-0.22023	0.279659	TMEM64	red	-0.43502261	0.023343914	GFP1	skyblue	-0.05548	0.787767
GORASP2	red	-0.21977	0.280693	SETD3	red	-0.432889924	0.024108528	GALK1	skyblue	-0.05301	0.797021
STK19	red	-0.21932	0.281697	PTBP3	red	-0.430577879	0.024960326	WDFY3	skyblue	-0.04336	0.833437
CDCSL	red	-0.21907	0.282259	TNPO2	red	-0.429638225	0.025313423	ABT1	skyblue	-0.03881	0.85071
TELO2	red	-0.21863	0.283266	MED30	red	-0.429572583	0.02533824	BMPR2	skyblue	-0.0333	0.871705
XPO1	red	-0.21836	0.283871	ZCCHC14	red	-0.429281527	0.025448517	NFAT5	skyblue	-0.02872	0.889247
MTX2	red	-0.21677	0.287473	RNF10	red	-0.427887378	0.025982157	ZNF652	skyblue	-0.02728	0.894748
DLD	red	-0.2157	0.289924	PRDM10	red	-0.425330941	0.026984247	C21orf33	skyblue	-0.01602	0.938077
KIAA0586	red	-0.21546	0.290464	INTS6	red	-0.423604243	0.027678627	SMAD5	skyblue	-0.01598	0.938244
BAK1	red	0.215317	0.290802	TINF2	red	-0.423525964	0.027710445	RGMB	skyblue	-0.01242	0.951989
ELOVL5	red	0.214621	0.292403	CNOT6	red	-0.422146218	0.028276153	CHMP2A	skyblue	-0.00841	0.967463
MS4A4A	red	-0.21397	0.293914	DOPEY2	red	-0.42110104	0.028710869	FBXO10	skyblue	-0.00084	0.996733
PPM1M	red	0.213276	0.295509	PER3	red	-0.420626704	0.02890993	ARPC2	skyblue	0.001673	0.993526
PSMA6	red	-0.21215	0.298124	LMTK2	red	-0.419947479	0.029196913	DST	skyblue	0.002253	0.991285
PRMT1	red	0.211897	0.298718	DAGLB	red	-0.419907025	0.029214078	PDXP	skyblue	0.003845	0.985127
CDC37L1	red	-0.21019	0.302715	TADA2A	red	-0.419638126	0.02932838	KANSL1	skyblue	0.015023	0.941934
ZNF441	red	0.209087	0.305321	BRPF1	red	-0.418437147	0.029843298	MRT0A	skyblue	0.020407	0.921179
TH1L	red	-0.20831	0.307162	ARNTL	red	-0.415100975	0.031312027	LONRF3	skyblue	0.023217	0.910364
PNKP	red	0.207842	0.308273	DTD1	red	-0.413730035	0.031932189	EXOSC7	skyblue	0.023322	0.909963
PPP1R12A	red	0.206162	0.312288	RASSF3	red	-0.411981206	0.032737589	FAM207A	skyblue	0.038577	0.851584
DCUN1D5	red	-0.20566	0.3135	USP54	red	-0.409884865	0.033724447	CERS5	skyblue	0.054336	0.792066
TEFM	red	-0.20557	0.313706	MTRR	red	-0.407979269	0.034642084	NDUFA1	skyblue	0.059245	0.773739
MMGT1	red	-0.20533	0.314289	HNRNP11	red	-0.407222322	0.035012095	PUM2	skyblue	0.065565	0.750322
ICOSLG	red	0.205189	0.314629	TTCS	red	-0.405879228	0.035676413	PSMA5	skyblue	0.110957	0.589462
TMPO	red	-0.20514	0.314752	TM6SF1	red	-0.402508373	0.03738818	THRAP3	skyblue	0.130932	0.52377
MX2	red	-0.20505	0.314957	FAM168A	red	-0.401182506	0.038079178	TMSB10	skyblue	0.138263	0.50058
SRSF10	red	-0.20465	0.315941	INPP5F	red	-0.399272154	0.039092662	ISCA2	skyblue	0.139442	0.496898
LRRC6	red	-0.20388	0.317789	ALG8	red	-0.399260552	0.039098883	TSR3	skyblue	0.149715	0.465401
ATFB8	red	0.203407	0.318941	E1F2B2	red	-0.397850022	0.039860997	DPM2	skyblue	0.160852	0.432463
SREK1IP1	red	-0.203	0.31994	PRKCH	red	-0.397671796	0.039958128	DAK	skyblue	0.192579	0.34592
CZCD2	red	-0.20203	0.32229	SOS1	red	-0.3970908	0.040276075	CYLD	skyblue	0.193598	0.343325
HIST2H2BA	red	-0.20197	0.322451	MTMR9	red	-0.396095963	0.040825163	TMEM160	skyblue	0.199517	0.328482
MGST1	red	-0.20183	0.322795	ZDC339803	red	-0.394342594	0.041807387	ZNF593	skyblue	0.201747	0.322992
CLRL	red	0.201636	0.323262	LDHHC17	red	-0.39341095	0.042336868	CLIC1	skyblue	0.205252	0.314478
CENPF	red	-0.20146	0.32369	POLE3	red	-0.390828667	0.043832309	COQ4	skyblue	0.211555	0.299515
VWA8	red	-0.2012	0.324328	YWHA8	red	-0.38883331	0.045016261				

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

SUPT4H1	red	0.195094	0.339535	PEX26	red	-0.381070281	0.04986503	LETM1	steelblue	-0.25698	0.205043
TTCC21B	red	-0.19395	0.342425	FLU1	red	-0.377692228	0.05209914	MRPS31	steelblue	-0.24545	0.226825
RB1	red	-0.1933	0.344074	EIF2B1	red	-0.377343354	0.052334274	ATPG53	steelblue	-0.23667	0.244391
TMX3	red	-0.19284	0.345254	FNBP1	red	-0.37436714	0.054374182	DNAJC16	steelblue	-0.23563	0.246532
USP15	red	-0.19211	0.347111	ZNF529	red	-0.373021717	0.055316523	SERINC1	steelblue	-0.22509	0.268917
CLDN23	red	-0.19063	0.350918	STAM	red	-0.371382127	0.056482107	NABP2	steelblue	-0.21018	0.302737
NKIRAS1	red	-0.19031	0.351752	WRAP73	red	-0.37008866	0.057415094	TUBGCP2	steelblue	-0.20965	0.303997
TALD01	red	0.189328	0.354278	RBBP8	red	-0.369447252	0.057882183	AHNAK	steelblue	-0.20883	0.305939
ITPK1	red	0.18932	0.354299	RDH10	red	-0.367010696	0.059683597	EIF2AK4	steelblue	-0.20522	0.314547
DPP8	red	-0.18931	0.354319	SURF4	red	-0.36581129	0.060586227	AHCTF1	steelblue	-0.20386	0.317843
ZRSR2	red	-0.18804	0.357621	CRAT	red	-0.363900898	0.06204579	HS2ST1	steelblue	-0.19956	0.328381
N4BP2	red	-0.18749	0.359053	CPNE3	red	-0.358228046	0.066541143	GIT2	steelblue	-0.19841	0.331224
MMADHC	red	-0.18727	0.359627	PRR13	red	-0.357206172	0.06737699	USP24	steelblue	-0.18811	0.357444
ALPK3	red	0.187211	0.359784	CDC25B	red	-0.354008462	0.07004501	VPS36	steelblue	-0.17824	0.383663
TOMM40	red	0.186867	0.360682	ALG11	red	-0.353374913	0.070583135	HK1	steelblue	-0.16507	0.420343
UBXN2A	red	-0.18622	0.362384	ACOT4	red	-0.352551726	0.07128708	VEZF1	steelblue	-0.16475	0.421243
SIRPB2	red	-0.1862	0.36243	IP6K1	red	-0.35223274	0.071569457	R3HDM2	steelblue	-0.14964	0.46563
CEPB3	red	-0.18592	0.363159	LDHA	red	-0.35125879	0.072403613	SND1	steelblue	-0.12968	0.527777
RPAP2	red	-0.18461	0.366616	MET	red	-0.349791351	0.073687061	KIAA1468	steelblue	-0.12369	0.547177
MOB3B	red	0.183713	0.368991	YRDC	red	-0.347840496	0.075420251	SCAF11	steelblue	-0.11035	0.5915
CHCHD2	red	0.183634	0.369199	CTNNA1	red	-0.347487108	0.075737521	RAB3GAP2	steelblue	-0.10607	0.60606
ERAP1	red	-0.18324	0.370255	FARS2	red	-0.344759956	0.078220433	ELP6	steelblue	-0.10444	0.611636
TIMP1	red	0.182709	0.371658	MGAT4B	red	-0.343966561	0.078954318	TNKS2	steelblue	-0.10387	0.613591
PPA2	red	-0.18264	0.371855	OTUD4	red	-0.343957356	0.078962863	PNN	steelblue	-0.1027	0.617628
BRMS1	red	0.181571	0.374695	FAM127B	red	-0.342906522	0.079943031	COG2	steelblue	-0.08351	0.685048
QTRD1	red	-0.18085	0.376631	TMBIM6	red	-0.341999719	0.080796287	FAM82A2	steelblue	-0.08202	0.690396
CALM3	red	0.18015	0.378509	ANKRD49	red	-0.34089906	0.081841252	DNAL4	steelblue	-0.07486	0.71628
ARHGAP10	red	-0.17979	0.379491	INSIG1	red	-0.339836239	0.082860024	MYCBP2	steelblue	-0.06775	0.742289
PKD1P1	red	0.179762	0.379554	LOC92249	red	-0.33922673	0.083448606	QKI	steelblue	-0.05945	0.772962
SERTAD3	red	-0.1793	0.380786	TMEM230	red	-0.336357338	0.08626225	CD47	steelblue	-0.05663	0.7835
ZNF41	red	0.179159	0.381182	DCTN4	red	-0.334725633	0.087893997	MRPL43	steelblue	-0.049	0.812114
H51BP3	red	-0.17868	0.382486	CLASP2	red	-0.333773732	0.088856646	CBWD5	steelblue	-0.04298	0.834878
DYRK4	red	-0.17705	0.386904	CHAMP1	red	-0.332963722	0.089682061	LAMP2	steelblue	-0.01521	0.941214
AKAP13	red	-0.17695	0.387167	TCF12	red	-0.332297525	0.090365258	TET2	steelblue	-0.00768	0.970279
ENOPH1	red	-0.17463	0.393534	MRPL48	red	-0.329951548	0.092802405	RNF41	steelblue	0.001207	0.995331
SNRNP27	red	-0.17444	0.394046	ARPP19	red	-0.329685994	0.093081367	DCAF11	steelblue	0.013471	0.947925
DDX27	red	0.174363	0.394265	SNX27	red	-0.329571538	0.093201797	INVS	steelblue	0.014132	0.945375
EMC8	red	0.173545	0.396521	PSMA3	red	-0.329046326	0.093755925	C1D	steelblue	0.014467	0.944079
SLC46A2	red	0.173361	0.397029	TSC1	red	-0.324349839	0.098821741	TBCA	steelblue	0.014928	0.942303
SETD1B	red	0.172651	0.398998	MCL1	red	-0.320634258	0.10297262	MAF1	steelblue	0.01712	0.933845
PIK3CA	red	-0.17206	0.400645	SDHC	red	-0.316002095	0.108327974	SOCCAG8	steelblue	0.026831	0.896482
GIGYF2	red	-0.17187	0.401157	IGSF6	red	-0.315684521	0.108702558	DDX19B	steelblue	0.028791	0.888963
RAD17	red	-0.17122	0.402972	FKBP11	red	-0.313685517	0.111082529	TIMM17B	steelblue	0.032228	0.875803
XkorF38	red	-0.16962	0.407438	INPP5A	red	-0.313134102	0.111745772	GOLGA7	steelblue	0.047668	0.81713
FGFR1OP	red	-0.16937	0.408153	BABAM1	red	-0.313044631	0.111853663	TDG	steelblue	0.054122	0.792868
SPRNT	red	-0.16739	0.413729	RPL10	red	-0.311302554	0.113969802	GNB2L1	steelblue	0.062232	0.762644
DDX54	red	0.166671	0.415774	PLA2G7	red	-0.310484162	0.114974068	ACP6	steelblue	0.070462	0.732318
PLEKHG3	red	-0.16627	0.416904	CD109	red	-0.306287511	0.120226707	SPRYD3	steelblue	0.091556	0.656449
CTDSP1	red	0.164283	0.42258	DDX60L	red	-0.303577886	0.123710509	NUDT4	steelblue	0.093024	0.65128
MAP2K2	red	0.163772	0.424043	KLHL36	red	-0.302993348	0.124471653	ICT1	steelblue	0.094365	0.646573
GTPBP8	red	-0.16368	0.424294	TAOK2	red	-0.301280353	0.126721926	MRPL50	steelblue	0.113302	0.581567
NR1D2	red	-0.16367	0.424326	VRK3	red	-0.300597706	0.127626913	PQLC2	steelblue	0.134991	0.510866
TBCD	red	-0.16267	0.427207	LCMT1	red	-0.299693372	0.128833044	INPP5K	steelblue	0.165055	0.420371
MED13L	red	-0.16266	0.427248	CSRNP1	red	-0.298954831	0.1298242	ASB8	steelblue	0.1708	0.404147
EEF1D	red	0.161658	0.430131	METTL17	red	-0.298412443	0.130555638	CLEC16A	steelblue	0.174691	0.393363
GET4	red	0.161266	0.431265	UBE2F	red	-0.295413535	0.134654041	UBA7	steelblue	0.176588	0.388163
NUMP20	red	-0.16111	0.431704	DONSON	red	-0.294487233	0.135938613	PCMTD1	steelblue	0.195737	0.337914
KIAA1191	red	0.160278	0.434131	MAPKAPK2	red	-0.292343908	0.138944919	UZAF2	steelblue	0.216335	0.288472
MPZL1	red	-0.16012	0.434585	HERPUD1	red	-0.287420846	0.146031526	NUDCD3	steelblue	0.276313	0.17181
C10orf128	red	0.160084	0.434695	TPGS2	red	-0.284577322	0.150241038	MAPK8IP3	steelblue	0.284942	0.158269
ZNF570	red	-0.16008	0.434717	RAPGEF1	red	-0.283135329	0.152408607	CD180	tan	-0.36742	0.064814
MBD2	red	-0.15877	0.438523	IL6R	red	-0.282574666	0.153257383	MT1E	tan	-0.35258	0.077287
AP2B1	red	-0.15722	0.443068	SNRK	red	-0.280811639	0.15594836	MT2A	tan	-0.33126	0.098313
AP1G2	red	-0.1572	0.443126	TMEM38B	red	-0.279827484	0.157465061	MT1X	tan	-0.3306	0.099022
UVSSA	red	0.156738	0.444481	SGP11	red	-0.279780319	0.157538012	MT1M	tan	-0.32934	0.100398
NUMP37	red	-0.15649	0.445201	TRAK2	red	-0.279374296	0.158166995	RSPO3	tan	-0.3119	0.120866
KCTD13	red	0.15489	0.449935	CAPRIN1	red	-0.27896164	0.158808079	MT1F	tan	-0.30576	0.12875
AHSA1	red	-0.15454	0.450978	MRAS	red	-0.277477567	0.161128922	PEA15	tan	-0.28643	0.15601
INTS7	red	-0.15403	0.452497	NLRX1	red	-0.276768897	0.162245603	ARHGDI8	tan	-0.28266	0.161779
TXK	red	-0.15342	0.454292	KIAA0430	red	-0.276359523	0.162893161	SLC2A4RG	tan	0.276913	0.170844
PELP1	red	0.153353	0.4545	VEZF1	red	-0.273358207	0.167696646	FXYD2	tan	-0.27393	0.175694
GLCE	red	-0.15283	0.456072	FAM160B2	red	-0.270459348	0.1724301	RELT	tan	-0.27211	0.178696
RPS6K4A	red	0.152485	0.457088	ARPC1B	red	-0.269845571	0.173444224	NFKBIA	tan	0.271902	0.179036
MTPN	red	-0.15201	0.458507	GRB10	red	-0.268814702	0.175156892	MT1G	tan	-0.2703	0.181708
RPL18	red	0.151537	0.459924	PRUNE	red	-0.26184631	0.187045132	MCOLN2	tan	-0.26463	0.191414
BTBD1	red	-0.15137	0.460426	PEF1	red	-0.259909128	0.190446988	CAMKK1	tan	0.256741	0.205479
HSD17B12	red	-0.15137	0.460439	ZNF384	red	-0.255358034	0.198606644	ENTPD1	tan	-0.25588	0.20706
CENPP	red	-0.15133	0.460537	CNBI	red	-0.254419962	0.200317867	DCUN1D3	tan	-0.25254	0.213258
COG6	red	-0.15071	0.462409	TBL2	red	-0.249516633	0.209426794	SAMD4A	tan	0.244039	0.229584
CCDC18	red	-0.15035	0.463478	CDCP1	red	-0.248646127	0.211072876	NFE2L3	tan	-0.234	0.249921
ASB1	red	0.149387	0.466389	AKR1B1	red	-0.248178588	0.211960583	CA12	tan	-0.23069	0.25687
C17orf103	red	0.149224	0.46688	DHR57	red	-0.247794091	0.212692514	CCL8	tan	-0.22834	0.261878
ELF1	red	-0.14878	0.468214	RHCG	red	-0.241151603	0.225608094	NINJ1	tan	-0.2281	0.2624
PRDX6	red	0.148224	0.469907	ZDHHC9	red	-0.240247472	0.227405817	CENPV	tan	0.222831	0.27388
PQBP1	red	-0.14812	0.470228	SLC43A3	red	-0.2398629	0.228173375	MT1H	tan	-0.22064	0.278749
MIPEP	red	-0.14766	0.471626	MZT1	red	-0.238818979	0.230265635	PROCR	tan	-0.21916	0.282075
G2E3	red	-0.14733	0.472627	PPP1R13B	red	-0.237737439	0.232446754	DHRS4	tan	-0.21836	0.28387
RHOH	red	-0.14566	0.477719	HENMT1	red	-0.237107541	0.233723372	ACPS	tan	0.212204	0.298002
EDEM2	red	0.14524	0.47899	DRAM1	red	-0.234341795	0.239383865	FAM124A	tan	-0.19846	0.331103
RBM41	red	-0.14494	0.479913	GSP11	red	-0.233832561	0.24043589	C1S	tan	-0.1929	0.345095
UBE2Q2P1	red	-0.14388	0.483168	KLC1	red	-0.231082749	0.246169485	TEX2	tan	-0.19093	0.350148
PIK3IP1	red	0.1432	0.485252	PLP2	red	-0.227000977	0.254844877	ESYT1	tan	0.183695	0.369039
TFB2M	red	-0.14279	0.486526	YWHAQ	red	-0.226945824	0.254963447	CIZ1	tan	0.177968	0.384407
MAN1A1	red	-0.14267	0.486897	SRC	red	-0.220225663	0.269680505	LCP2	tan	-0.17175	0.401498

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

TTF2	red	-0.13902	0.498225	SLC7A8	red	-0.193982967	0.332285481	IL2RA	tan	-0.16355	0.424669
CSF2RA	red	-0.13861	0.499488	IKZF5	red	-0.191588587	0.338403354	KYNU	tan	-0.15983	0.435419
THAP7	red	-0.13706	0.504343	TMEM222	red	-0.190247875	0.341858437	NNMT	tan	-0.15947	0.436469
PI4KAP1	red	0.136574	0.505877	MICALL1	red	-0.188994014	0.345108792	SLC9A9	tan	-0.1566	0.444896
PFKL	red	0.135928	0.507911	SHISA4	red	-0.182717351	0.361656014	PDCD1LG2	tan	-0.15402	0.452529
RPL35	red	-0.13302	0.517118	PACS1	red	-0.182404991	0.362491484	MYCL1	tan	-0.15293	0.455771
SAMD8	red	-0.13263	0.518369	DESI1	red	-0.179604424	0.37003273	TSFM	tan	-0.1471	0.473329
SRD5A1	red	-0.13167	0.521424	DUSP5	red	-0.175356829	0.381643416	NEDD9	tan	-0.1453	0.47882
RPUSD2	red	0.131591	0.521663	ZNHIT1	red	-0.173681712	0.386279322	CISH	tan	-0.14526	0.478934
LINS2	red	-0.12944	0.528557	MAP4K4	red	-0.165404143	0.409656579	CABLES1	tan	0.144044	0.482658
LTBR	red	-0.1267	0.537387	PSMA2	red	-0.152581086	0.447383673	JAG1	tan	0.143638	0.483904
SNRN70	red	0.126305	0.53867	ZNF217	red	-0.151762528	0.449853158	EPDR1	tan	-0.14353	0.484225
BCRP3	red	-0.12484	0.543419	C1orf52	red	-0.150016867	0.455143725	GPR84	tan	-0.14233	0.487926
CTR9	red	-0.1232	0.548778	ADAR	red	-0.140231547	0.485399662	KIAA0930	tan	0.140037	0.495045
SF3B14	red	-0.12268	0.550485	LRP8	red	-0.136368896	0.497617578	SEMA4A	tan	0.136445	0.506283
EFNA4	red	0.122	0.552706	TNFSF15	red	-0.130442112	0.516658699	NFAM1	tan	-0.13377	0.514724
CE2	red	-0.12193	0.552937	FUT10	red	-0.12589327	0.531509147	CFB	tan	0.132726	0.518046
COMMMD1	red	-0.12142	0.554625	NPRL3	red	-0.122231295	0.543609866	FABP4	tan	-0.13177	0.521083
CTNBP1	red	-0.12138	0.554757	ASF1A	red	-0.095595585	0.635276402	MCTP1	tan	-0.13046	0.525268
MRLP4	red	0.120406	0.557945	TBCCD1	red	-0.05504348	0.785093755	EIF5B	tan	0.129122	0.529574
CAMK1	red	-0.12035	0.558122	GABPB2	red	-0.052038668	0.796576462	GTPBP4	tan	-0.1283	0.532229
SLC47A1	red	-0.11936	0.561391	ENDOD1	red	-0.043697027	0.828663915	IL3RA	tan	0.126002	0.539651
ERC1	red	-0.1182	0.565222	PCMTD2	red	-0.038079121	0.850429646	NCF1C	tan	-0.12562	0.540902
LOC344887	red	0.116565	0.570663	RAD52	red	-0.029150776	0.88523613	G0S2	tan	0.122486	0.551112
NSUN6	red	-0.11643	0.571124	EPB41L1	red	-0.024516447	0.903389146	FFAR2	tan	-0.12019	0.55867
FASN	red	0.112187	0.585316	GOPC	red	-0.017610288	0.930526587	TNFSF15	tan	-0.11748	0.567616
ERMP1	red	-0.11197	0.586053	CLEC2B	red	-0.011459558	0.954760526	IDO1	tan	-0.11692	0.569499
CLCC1	red	-0.11079	0.590031	ZNF420	red	-0.011416433	0.9549306	CDKN2B	tan	-0.11677	0.569987
CY5D2	red	-0.11019	0.592051	POMT2	red	-0.006958069	0.972522552	C17orf49	tan	0.113089	0.582283
LY96	red	-0.10928	0.595145	GRHL1	red	-0.002621749	0.989645052	CNBP	tan	-0.1129	0.582934
COQ7	red	0.107941	0.59968	SIRT6	red	0.003398667	0.986576751	CAT	tan	-0.11288	0.582969
NAAG60	red	-0.10591	0.606605	HLA-DPB1	red	0.00581267	0.977044449	GRK5	tan	-0.11259	0.583954
ITPA	red	-0.10513	0.609267	LOC10013141	red	0.020221291	0.920256231	PTGS2	tan	0.112505	0.584244
KLHDC3	red	-0.10512	0.609311	PGAP3	red	0.023104102	0.908931269	RCSO1	tan	-0.10955	0.594209
DOCK4	red	0.105005	0.609699	GSKIP	red	0.0241481	0.904834147	CARD11	tan	-0.10882	0.596685
TMCO1	red	0.104312	0.612073	TREM1	red	0.02457714	0.903151082	IL8	tan	-0.10742	0.601435
PHTT1	red	-0.10411	0.612771	METTL13	red	0.026153702	0.896970009	CD300E	tan	-0.10692	0.603167
EEF1G	red	-0.10383	0.61372	PRPSAP2	red	0.03445164	0.864541864	MAP7D3	tan	-0.10552	0.60792
INCENP	red	-0.10354	0.61472	ATP5O	red	0.034821289	0.863101862	IL18	tan	-0.10511	0.609327
PHACTR4	red	0.102784	0.617322	SSR4	red	0.043909288	0.827843851	EEPD1	tan	-0.10244	0.618504
CLDN12	red	0.101758	0.620858	HMGCS1	red	0.050124103	0.803914635	VEGFA	tan	-0.10153	0.621654
TGFB1	red	-0.10088	0.623873	RNASET2	red	0.052879313	0.79335971	LGALS3	tan	-0.10115	0.622948
VP58	red	-0.09924	0.629575	FAM40A	red	0.057189387	0.776919935	LAMB3	tan	0.10083	0.624064
STTB	red	-0.09904	0.630271	GAS2L1	red	0.062354525	0.757342104	PKA	tan	-0.10009	0.626639
E1F4EBP2	red	0.098368	0.632596	ZNF542	red	0.064806832	0.748097038	RGN1	tan	-0.09955	0.628477
PIGQ	red	-0.09678	0.638116	SERPINF2	red	0.076445727	0.704700545	MGC12916	tan	-0.09797	0.633986
SSRP1	red	0.096367	0.639569	N4BP2L1	red	0.079816939	0.692290637	AKR1C2	tan	-0.09697	0.63746
GTPBP6	red	-0.09635	0.639629	LEPROTL1	red	0.080463935	0.689917682	ADAMTS15	tan	-0.09532	0.643231
HEATR7A	red	0.095973	0.640945	ADH5	red	0.083172146	0.68001615	LMTK2	tan	-0.09298	0.651444
LASP1	red	0.094724	0.645312	TMEM229B	red	0.087643945	0.663780181	ANKMY2	tan	-0.09282	0.651986
POMGN1	red	0.093555	0.649413	PMM1	red	0.092277586	0.647111566	MAP1LC3A	tan	0.092086	0.654582
ARHGFE2	red	0.091354	0.657161	ZNF75A	red	0.093881492	0.641379816	CD274	tan	0.08998	0.662015
SPG7	red	0.090697	0.659481	RPS6KB1	red	0.094082833	0.640661706	HMOX1	tan	-0.08792	0.669305
CECR5	red	0.090582	0.659885	FAM203A	red	0.094687207	0.638508022	EDN1	tan	-0.08721	0.671825
TAOK3	red	-0.09054	0.660033	RNF135	red	0.094993955	0.637416018	ADORA2B	tan	-0.0864	0.674728
SF3B5	red	-0.08945	0.66639	NICN1	red	0.100561522	0.617726059	IL18	tan	-0.0833	0.685782
SNX33	red	0.088739	0.666412	KARS	red	0.104907556	0.602532399	GAS7	tan	-0.0819	0.690824
DNAJC7	red	0.086675	0.673745	TRAPPC5	red	0.106077142	0.5984707	SLC39A8	tan	-0.08186	0.690978
SNRN40	red	-0.08423	0.682453	THAP10	red	0.106557941	0.596804388	ABRACL	tan	-0.07954	0.699308
RAP2B	red	0.083784	0.684065	DAPK1	red	0.108236521	0.591002599	PXMP2	tan	0.079208	0.700516
SFXN5	red	0.08339	0.685478	PRPF38B	red	0.111024904	0.581418932	ZFYVE26	tan	0.078207	0.704133
SCAMP4	red	0.081649	0.691724	CIQA	red	0.114919986	0.568147195	DOK2	tan	-0.07819	0.704206
SLC25A17	red	-0.07926	0.700335	RAB11FIP3	red	0.115341861	0.566717945	NFKB1	tan	0.077935	0.705114
ATP5C1	red	-0.07724	0.707615	MXD4	red	0.116479692	0.562871233	LOC1002895	tan	-0.07559	0.713601
MTFP1	red	-0.07474	0.716721	CIQB	red	0.119515199	0.55266726	SOBP	tan	0.068032	0.741236
NAT9	red	0.073777	0.720209	PTPLAD1	red	0.119724468	0.551966947	CCL20	tan	-0.06796	0.741485
PMS2L2	red	-0.07116	0.729765	ZNF839	red	0.121087794	0.547414648	TREM2	tan	0.067345	0.743762
LMBRL1	red	0.070309	0.732881	S100P	red	0.121550711	0.545872894	ABHD6	tan	0.066679	0.746212
ARHGFE28	red	-0.06974	0.734969	MLKL	red	0.123342613	0.539924046	ST3GAL4	tan	-0.0623	0.762389
WAC	red	-0.06815	0.740794	C14orf159	red	0.123794517	0.538428616	ZNF117	tan	0.06196	0.763652
RFNG	red	-0.06778	0.742175	PRADC1	red	0.126021787	0.53108681	CD14	tan	0.061672	0.764722
TAPT1	red	-0.06691	0.745367	TRMT1	red	0.130163167	0.517563512	GSR	tan	0.061329	0.765994
KIF3A	red	-0.06569	0.749848	RPP21	red	0.131184256	0.514255153	FABP5	tan	0.060625	0.768609
YTHDF1	red	0.065438	0.750789	YHTPA	red	0.134518446	0.503524647	MEMO1	tan	0.059063	0.774416
AP551	red	-0.06327	0.758788	RPAIN	red	0.135823834	0.499353939	ISG20	tan	0.058334	0.777131
TMUB2	red	0.063125	0.759336	CCDC102B	red	0.136764168	0.496360283	SEMA4D	tan	-0.05822	0.777548
C7orf55	red	0.060792	0.767987	ZWINT	red	0.137204212	0.49496245	NR4A2	tan	-0.05751	0.780186
E1F2B5	red	-0.05963	0.772319	CDR2	red	0.13754304	0.493887482	DDX10	tan	0.057183	0.781424
EEA1	red	-0.0589	0.775024	CSNK2A1	red	0.137714671	0.493343412	CDA	tan	-0.05655	0.783787
RIN2	red	0.052165	0.800205	SSH2	red	0.142920338	0.4769857	RAB42	tan	0.056535	0.783843
NFKB1L1	red	-0.05162	0.802249	C1orf54	red	0.148593861	0.459480629	SLC22A5	tan	-0.05628	0.78481
IER3IP1	red	-0.05048	0.806534	PPM1N	red	0.150043955	0.455061381	CEP135	tan	0.054528	0.791348
PPP1R16A	red	-0.04921	0.811317	TIMM17B	red	0.152502721	0.447619776	IL1A	tan	-0.05308	0.796777
CUEDC2	red	0.048848	0.812683	ZNF90	red	0.15271445	0.44698202	PRPF8	tan	0.052161	0.800221
ANGEL1	red	0.048725	0.813146	LMAN2L	red	0.154431421	0.441828206	C15orf48	tan	-0.05098	0.804654
SCAP	red	0.04851	0.813954	SPPL2B	red	0.155755294	0.43787626	PIK3AP1	tan	-0.05044	0.806697
TNIP2	red	-0.04752	0.817697	EPHB6	red	0.158727919	0.429072492	SLAMF7	tan	-0.04978	0.809168
NUP35	red	-0.04751	0.817741	APOE	red	0.160609204	0.42355116	CLCN4	tan	-0.04932	0.810913
TREM1	red	-0.04525	0.826258	KIAA1147	red	0.162395333	0.418345415	MARCKS	tan	-0.04921	0.811309
PPP1R18	red	0.044388	0.829525	ZBTB5	red	0.167351842	0.404086168	NEURL3	tan	-0.0485	0.81398
WDR81	red	0.043706	0.83211	HINT2	red	0.167579593	0.403447953	COQ10A	tan	-0.0477	0.817024
DDX56	red	0.042383	0.837124	LOC728431	red	0.169376471	0.398341112	CD22	tan	0.04736	0.818292
ZNF736	red	-0.03801	0.853724	MANBA	red	0.171335636	0.392826043	PELI3	tan	0.045317	0.826011
FBXO21	red	0.034975	0.865311	THOC1	red	0.178009083	0.374369172	KIAA0040	tan	-0.04509	0.826885
NMRAL1	red	-0.03273	0.8								

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

ZBTB8A	red	0.028346	0.89067	PDE1B	red	0.187893858	0.347975877	MGST3	tan	0.039571	0.847802
KLHL22	red	0.02746	0.894071	FAM129A	red	0.191381471	0.338935724	ABCG2	tan	0.039314	0.848779
OGG1	red	0.027109	0.895416	SLC7A6OS	red	0.193828582	0.332677914	BLVRB	tan	-0.03876	0.850882
KIAA0195	red	0.027084	0.89551	OPHN1	red	0.194024695	0.332179461	GAS2L3	tan	-0.0381	0.853398
RPL26L1	red	0.025995	0.899693	ZNF174	red	0.194411288	0.331198196	PTGES	tan	0.037387	0.856114
ZNF641	red	0.025307	0.902332	XPC	red	0.194961244	0.329805314	GCH1	tan	0.035793	0.86219
ARHGAP33	red	-0.02492	0.903811	LUC7L3	red	0.197942371	0.322317066	NCF1B	tan	-0.0338	0.869804
C16orf58	red	-0.02295	0.91141	GPX1	red	0.198047223	0.322055601	JAK3	tan	0.031371	0.879085
GLT1D1	red	-0.0224	0.913499	CEBPA	red	0.198218943	0.321627668	B4GALT1	tan	0.030247	0.883387
ABHD16A	red	-0.02114	0.91836	RAB35	red	0.199384753	0.318731657	SNTA1	tan	0.029431	0.886512
RASAL3	red	0.020743	0.919887	PHF20L1	red	0.199739378	0.317853914	TNFAIP6	tan	0.029209	0.887363
PDXP	red	-0.02069	0.920085	TAX1BP3	red	0.201018435	0.31470045	SLC2A3	tan	-0.02425	0.906413
HSD17B7P2	red	0.019341	0.925286	ZNF230	red	0.204302426	0.30669266	PLSCR1	tan	-0.02343	0.909547
TRIM62	red	0.018602	0.928132	PTGFRN	red	0.207513427	0.298986536	RCBTB2	tan	0.021359	0.917513
NSUN4	red	0.017573	0.932097	LAGE3	red	0.207961391	0.297921191	SOC3	tan	-0.01981	0.923483
ADCK3	red	0.015531	0.939973	BECN1	red	0.209321154	0.294702005	SERINC5	tan	-0.01936	0.925199
CPNE2	red	-0.01496	0.942177	TXN2	red	0.210428879	0.292095747	CEP78	tan	0.018663	0.927897
FERM12	red	-0.01282	0.950457	PCYOX1L	red	0.214489748	0.282666017	COTL1	tan	-0.01804	0.930292
PEX13	red	-0.01231	0.952425	TELO2	red	0.215292074	0.2793708	NBN	tan	-0.01751	0.932328
C6orf89	red	-0.01183	0.954264	NAA38	red	0.218162911	0.274305361	NCF1	tan	0.017483	0.932444
GOLM1	red	-0.01155	0.955354	CBR4	red	0.218875247	0.272702535	APOBEC3A	tan	0.016519	0.936163
XPO4	red	-0.01047	0.95951	DPEP2	red	0.219449983	0.271413715	TSC2D1	tan	-0.01533	0.940747
CDC93	red	0.009	0.965195	SERPINA1	red	0.219765137	0.27070866	PLA2G15	tan	-0.01495	0.942233
RUNX3	red	0.008924	0.96549	VAPA	red	0.219935183	0.270328728	FBN1	tan	0.014618	0.943497
SUMF2	red	-0.00725	0.971978	DNITP1	red	0.223209677	0.263079474	PDE4B	tan	0.013004	0.949728
PMS2P3	red	0.006375	0.975341	HMG20A	red	0.223863766	0.261646654	PLTP	tan	-0.01253	0.951545
AGTRAP	red	0.005958	0.976955	RAB13	red	0.225341515	0.25842823	AK4	tan	-0.0111	0.957099
CARHSP1	red	0.005322	0.979416	BACE1	red	0.225473335	0.258142393	EREG	tan	-0.01041	0.959744
ATG2A	red	0.004808	0.981401	LOC253039	red	0.225829909	0.257370231	CP	tan	-0.01013	0.960823
CHML	red	-0.00456	0.982362	CAPG	red	0.233948978	0.240195115	ECE1	tan	0.010093	0.96097
ANKS3	red	-0.00351	0.986438	POGZ	red	0.234413002	0.239237004	SNHG12	tan	0.009028	0.965087
SHROOM3	royalblue	-0.37148	0.061686	ZNF593	red	0.239092091	0.229717023	CD9	tan	0.006771	0.973811
LYPD3	royalblue	-0.36449	0.067144	LPXN	red	0.240868377	0.226170216	HAMP	tan	0.006451	0.975051
CCL20	royalblue	-0.36439	0.067224	TRIP6	red	0.24211061	0.22371169	COQ2	tan	-0.0062	0.976025
C4orf72	royalblue	-0.35809	0.07246	HNMT	red	0.243810187	0.220377177	INHBA	tan	-0.00606	0.976568
SERPINB2	royalblue	-0.3012	0.13485	PQLC3	red	0.24432867	0.219366628	RAB21	tan	-0.0058	0.977575
NFE2	royalblue	-0.28821	0.153337	STK16	red	0.24679274	0.214606726	STAP2	tan	0.005066	0.980406
IRF1	royalblue	-0.28144	0.163675	UBE2V1	red	0.249045963	0.210315721	OSM	tan	-0.00374	0.985537
ZNF267	royalblue	0.27081	0.180859	EPS8L1	red	0.249690106	0.20909981	OSBP11	tan	0.0036	0.986074
KCNNA4	royalblue	-0.26253	0.195092	KHDRBS1	red	0.250956273	0.206723695	MOSPD2	tan	0.002843	0.989003
PTX3	royalblue	-0.24158	0.234457	MYNN	red	0.251540433	0.205633673	TLR2	tan	-0.00275	0.98936
KIAA0922	royalblue	-0.23988	0.237866	HCLS1	red	0.252202526	0.204402976	SERPINF1	tan	0.002207	0.991463
TRAF3	royalblue	0.231652	0.254837	COQ4	red	0.252547133	0.203764416	CSF2RB	tan	-0.0011	0.995737
CDC134	royalblue	-0.21348	0.295047	ELMOD3	red	0.252662245	0.203551416	RNF8	turquoise	-0.5808	0.001864
TNFAIP8	royalblue	-0.21166	0.29926	CNNM3	red	0.253510671	0.201986203	NCBP1	turquoise	-0.49953	0.009371
KYNU	royalblue	0.203726	0.318167	BBS2	red	0.255097665	0.199080597	ACO2	turquoise	-0.47254	0.014781
IL6	royalblue	-0.19005	0.352412	RBCK1	red	0.255505002	0.198339457	AGAP2	turquoise	-0.47231	0.014837
CCL4	royalblue	-0.18809	0.357504	SUPT5H	red	0.256198852	0.197081375	PRKAB2	turquoise	-0.45242	0.020306
BHLHE41	royalblue	-0.18591	0.363182	MBNL3	red	0.256458134	0.196612659	FAM89A	turquoise	-0.4428	0.023491
SLC11A2	royalblue	-0.18552	0.36422	ALKBH8	red	0.257326025	0.195049304	MMP12	turquoise	-0.4072	0.038953
PDE4B	royalblue	-0.1822	0.373004	CUL2	red	0.260722299	0.189013824	RANBP1	turquoise	-0.38338	0.053198
ABCA1	royalblue	0.179357	0.380647	NDUF53	red	0.261012108	0.188504861	FLVCR1	turquoise	-0.37335	0.060288
CA2	royalblue	-0.16828	0.411232	ING4	red	0.262093713	0.186613723	LPP	turquoise	-0.37009	0.062745
CCL3L3	royalblue	0.164993	0.420548	FTO	red	0.262746445	0.185478837	TMEM14B	turquoise	-0.36892	0.063646
AMPD3	royalblue	-0.15087	0.461938	SYT11	red	0.264146323	0.18306108	NUP155	turquoise	-0.36707	0.065089
LAMC1	royalblue	-0.14996	0.464659	BATF3	red	0.26417488	0.183011989	FAM89B	turquoise	-0.36353	0.067927
TMEM53	royalblue	-0.14949	0.466087	CASC4	red	0.264677551	0.18214935	FUOM	turquoise	-0.36192	0.069241
FBXL2	royalblue	0.144441	0.481438	OGFOD1	red	0.265660824	0.180470134	C11orf31	turquoise	-0.36029	0.070596
C5orf45	royalblue	-0.14198	0.489012	RNF7	red	0.266410585	0.179196979	PPCS	turquoise	-0.35607	0.074205
IL18BP	royalblue	-0.1386	0.499525	HP56	red	0.269066742	0.174737069	C7orf41	turquoise	-0.35508	0.075074
KIAA1009	royalblue	-0.13859	0.499546	ASPSR1	red	0.269632541	0.173797182	C12orf44	turquoise	-0.35399	0.076028
GPR132	royalblue	-0.13604	0.507553	C22orf28	red	0.27180537	0.170220698	GOSR2	turquoise	-0.35165	0.078126
CCR12	royalblue	0.135592	0.508968	KCTD20	red	0.271952054	0.169981135	KLHL18	turquoise	-0.34921	0.080364
JAKMIP2	royalblue	-0.12947	0.528448	MIS18BP1	red	0.27610671	0.16329398	TMEM214	turquoise	-0.34553	0.083821
SNX9	royalblue	0.129287	0.529044	EDF1	red	0.27781223	0.160603478	HNRNPUL2	turquoise	-0.34366	0.085626
CCR7	royalblue	-0.12175	0.553538	C9orf78	red	0.281500128	0.154893519	ATPBD4	turquoise	-0.3422	0.087046
MFS2A2	royalblue	0.114441	0.577751	TMEM14A	red	0.281683621	0.154613248	STX2	turquoise	-0.34114	0.088092
SPDL1	royalblue	-0.11177	0.586724	ZNF642	red	0.281746468	0.154517336	UBLA4	turquoise	-0.33905	0.090191
PLEKHM3	royalblue	0.111067	0.58909	FAM156B	red	0.282594442	0.153227386	SUMO1	turquoise	-0.33827	0.090974
CCL3	royalblue	-0.10683	0.603449	LINC00641	red	0.286294541	0.147688639	OSGIN1	turquoise	-0.32855	0.101263
TNFSF15	royalblue	-0.10395	0.613317	MLF2	red	0.286923019	0.146762315	SRSF4	turquoise	-0.32355	0.106882
KLHL5	royalblue	-0.10289	0.616944	MTMR1	red	0.292813404	0.138282314	TAF10	turquoise	-0.31927	0.111878
CHD3	royalblue	0.102733	0.617499	RNF20	red	0.293674134	0.137073496	CPT1A	turquoise	-0.31898	0.112219
MSR1	royalblue	-0.1001	0.6266	ZNF629	red	0.294550952	0.135849967	CDC23	turquoise	-0.31765	0.113806
KANK1	royalblue	-0.09999	0.626961	CUL1	red	0.296401819	0.133293246	ZNF197	turquoise	-0.31728	0.114246
RPSAP58	royalblue	0.092699	0.652423	MLH1	red	0.300964914	0.12713952	NECAB3	turquoise	-0.31706	0.114511
C19orf10	royalblue	0.086284	0.675137	VPS33B	red	0.302176165	0.125541467	MTERF	turquoise	-0.31645	0.115256
DDX43	royalblue	-0.08376	0.68416	TYMP	red	0.302207823	0.125499897	PHC2	turquoise	-0.31626	0.115489
PDE7A	royalblue	0.083172	0.686257	ATPS1	red	0.305593824	0.121111644	MYC	turquoise	-0.31609	0.115694
MIR155HG	royalblue	-0.07914	0.700762	ACSF3	red	0.305600069	0.121103656	FLT1	turquoise	-0.3118	0.120996
RAB20	royalblue	0.077471	0.706796	TRIM66	red	0.30703945	0.119272832	LFNG	turquoise	-0.31052	0.122609
IRAK2	royalblue	0.077026	0.708405	NUCK1S	red	0.307107173	0.119187196	KATNAL1	turquoise	-0.30943	0.123992
KDM6B	royalblue	0.074532	0.717463	IRF3	red	0.307951114	0.118123815	CP5F2	turquoise	-0.3089	0.124667
CSF2	royalblue	-0.07431	0.718269	C9orf142	red	0.30928242	0.116460566	RAC1	turquoise	-0.3088	0.124796
ZC3H12C	royalblue	-0.07297	0.723143	MORC2	red	0.315622082	0.10877632	TPM1	turquoise	-0.30846	0.125242
TNFAIP6	royalblue	-0.07069	0.731498	VMO1	red	0.315990764	0.108341322	EEF1B2	turquoise	-0.30617	0.128215
NFKB2	royalblue	-0.06723	0.744172	CAMLG	red	0.317622621	0.106431439	GTPBP8	turquoise	-0.3056	0.128958
RG51	royalblue	-0.06497	0.752519	MRLP46	red	0.32074734	0.102844401	RACGAP1	turquoise	-0.30298	0.132445
COL6A2	royalblue	-0.06479	0.753195	IFT52	red	0.321161404	0.102375929	LRFN4	turquoise	-0.3015	0.134438
EBP	royalblue	0.06047	0.769185	TOMM22	red	0.322099094	0.101320917	VPS26A	turquoise	-0.2983	0.138825
GEM	royalblue	-0.05924	0.773753	TUBG2	red	0.322994854	0.100320689	XPA	turquoise	-0.29667	0.141102
GNGT2	royalblue	0.058167	0.777755	PARVG	red	0.323462074	0.09980192	MICU1	turquoise	-0.29586	0.142244
SPR1E2	royalblue	-0.05306	0.796832	SLC25A11	red	0.323893908	0.099324228	HAUS8	turquoise	-0.29563	0.142571
TMEM63B	royalblue	0.051503	0.80								

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

MHAS1	royalblue	0.034194	0.86829	VPS4A	red	0.34020427	0.082506161	TMEM2	turquoise	-0.28262	0.161832
TMEM88	royalblue	-0.02965	0.885674	APEH	red	0.343282646	0.07959114	GUSBP3	turquoise	-0.28072	0.16479
PTPRJ	royalblue	-0.02813	0.891487	FAM204A	red	0.343581856	0.079312053	ERGIC1	turquoise	-0.27954	0.166654
SOD2	royalblue	0.025356	0.902144	RHBDD3	red	0.350828544	0.072778121	MRP510	turquoise	-0.27925	0.167108
CYP51A1	royalblue	-0.02215	0.914488	EXOSC3	red	0.351933473	0.071819318	MRP53	turquoise	-0.27902	0.167485
PE6G	royalblue	0.018678	0.92784	MAEA	red	0.354711605	0.069451477	ZNF576	turquoise	-0.27835	0.168546
LIF	royalblue	0.015323	0.940778	DCPS	red	0.354985777	0.069221098	LRR378P1	turquoise	-0.27573	0.172758
TNP1	royalblue	-0.01455	0.943779	GD1	red	0.355099188	0.069125974	PUS10	turquoise	-0.27472	0.174402
ZSWIM4	royalblue	-0.01278	0.950582	BR138P	red	0.36193281	0.063577829	TM75F3	turquoise	-0.27394	0.17568
LINC00152	royalblue	-0.00998	0.961392	RBMX	red	0.362099008	0.063447332	ATP9A	turquoise	-0.27388	0.175778
RHOH	royalblue	-0.00753	0.970868	PLAUR	red	0.366087406	0.060377498	LOC1005070	turquoise	-0.27384	0.175829
CD9	royalblue	-0.00579	0.977597	AMDHD2	red	0.366282104	0.060230652	THUMP2	turquoise	-0.27281	0.177539
ZFX	royalblue	0.004861	0.981197	SOAT1	red	0.366611609	0.059982766	GPS2	turquoise	-0.2724	0.178202
HIST1H2BH	salmon	-0.61395	0.00085	RPL37	red	0.372604508	0.055611317	PTPN18	turquoise	-0.27173	0.179327
HIST1H2AG	salmon	-0.48264	0.012516	ZSCAN1	red	0.372702837	0.055541729	FSCN1	turquoise	-0.27088	0.180737
PSME1	salmon	-0.48081	0.012903	UBE2E1	red	0.373958883	0.05465879	LIMA1	turquoise	-0.27062	0.181175
HIST3H2A	salmon	-0.45442	0.019693	DCUN1D2	red	0.377915837	0.051948869	ZNF270	turquoise	-0.27012	0.182022
HIST1H2AV	salmon	-0.44805	0.021705	SLC20A1	red	0.384328972	0.047781952	ZNF623	turquoise	-0.26943	0.183178
FIGN1L	salmon	-0.44346	0.02326	GPNMB	red	0.385794795	0.046867608	OXS1R	turquoise	-0.26809	0.185446
PCMTD2	salmon	-0.42609	0.029972	ZNRD1	red	0.386427292	0.046477364	SNRNP25	turquoise	-0.26768	0.186147
SLC7A1	salmon	0.411873	0.036557	CNNM1	red	0.390544252	0.043999544	MCEE	turquoise	-0.2668	0.18766
HIST1H3C	salmon	-0.39829	0.043878	CHMP2B	red	0.393814359	0.042106949	DECR1	turquoise	-0.26617	0.188739
TXNL4A	salmon	-0.386	0.051455	RAPGEFL1	red	0.395719135	0.041034696	UBXN2B	turquoise	-0.26587	0.189253
HIST1H3G	salmon	-0.3853	0.051917	EMG1	red	0.397730365	0.039926188	FSTDJ1	turquoise	-0.26511	0.190578
ZYG11B	salmon	-0.38456	0.052408	EIF2D	red	0.398172494	0.03968573	SGOL2	turquoise	-0.26322	0.193869
HIST1H3B	salmon	-0.37295	0.060589	PLA2G16	red	0.399474494	0.03898431	AGPAT3	turquoise	-0.26142	0.197046
TMEM223	salmon	-0.37114	0.061946	LOC10050631	red	0.399948304	0.038731522	ANP32E	turquoise	-0.26035	0.198965
HIST1H2AJ	salmon	-0.3708	0.062205	CCDC51	red	0.404551972	0.036342767	SLC11A1	turquoise	-0.25861	0.202083
SNORA12	salmon	-0.36472	0.066959	RPL22	red	0.40704365	0.035099894	PPT1	turquoise	-0.25801	0.203168
CDT1	salmon	-0.36341	0.068019	C7orf50	red	0.40842421	0.03442615	SRD5A3	turquoise	-0.25734	0.204383
FICD	salmon	0.357635	0.072851	SETDB1	red	0.409244246	0.034030735	NCOR1	turquoise	-0.25645	0.206015
ECHDC2	salmon	-0.35279	0.077102	PRMT1	red	0.414688581	0.03149755	PITPN1C	turquoise	-0.25624	0.206398
COMM1D10	salmon	-0.34918	0.080389	PRRC2B	red	0.416471383	0.030701829	MSH3	turquoise	-0.2562	0.206474
SLC30A1	salmon	0.347479	0.081977	CNPY3	red	0.417819267	0.03011104	LYRM5	turquoise	-0.25527	0.208187
PDE4DIP	salmon	0.342451	0.086804	BIN3	red	0.417838604	0.030102631	LILRB5	turquoise	-0.25479	0.209069
CCNB1IP1	salmon	-0.34158	0.087657	FASTKD2	red	0.422508774	0.028126606	PRPF6	turquoise	-0.25454	0.209527
HIST3H2BB	salmon	-0.33446	0.09491	DDX49	red	0.424252559	0.027416236	ARPC1B	turquoise	-0.25381	0.210883
BLOC1S5	salmon	-0.33038	0.099266	SNRNP48	red	0.426659489	0.026459639	GNPAT	turquoise	-0.25373	0.211024
NOB1	salmon	-0.32778	0.102115	FAM162A	red	0.430172378	0.025112208	RARS	turquoise	-0.2527	0.212959
C2orf71	salmon	-0.32386	0.106529	HNRNPAB	red	0.430430122	0.025015582	VAMP7	turquoise	-0.25197	0.214319
CASP6	salmon	-0.31621	0.115549	ATOX1	red	0.43816749	0.022252536	PAGR1	turquoise	-0.25137	0.215458
HIST2H2AB	salmon	-0.29917	0.146075	VCP	red	0.438561649	0.022118786	ECT2	turquoise	-0.2512	0.215781
AAK1	salmon	0.292871	0.14651	IFT43	red	0.439709083	0.021732959	C2orf68	turquoise	-0.25106	0.21603
SESN2	salmon	0.291445	0.148577	RPL11	red	0.458208768	0.016234263	RPL22L1	turquoise	-0.251	0.216144
PPAP2B	salmon	0.278945	0.167597	PSMC1	red	0.459350966	0.015936414	LDHA	turquoise	-0.2504	0.217283
LRRCS9	salmon	0.275286	0.173475	MRPL24	red	0.464379324	0.014678244	TMEM68	turquoise	-0.25014	0.217775
NDUFA7	salmon	-0.27124	0.180135	WDFY2	red	0.465135467	0.014496353	DDX46	turquoise	-0.24912	0.219733
RRS1	salmon	-0.26252	0.195113	ADAM15	red	0.472496478	0.012821062	TMTC4	turquoise	-0.24906	0.219842
IFIT5	salmon	-0.25844	0.202383	COMT	red	0.47270702	0.012775617	COX11	turquoise	-0.24811	0.221669
ARCN1	salmon	0.25776	0.203623	MAGEH1	red	0.476230293	0.012034748	SMPDL3A	turquoise	-0.24729	0.223236
PDSS1	salmon	-0.25499	0.208698	PHF23	red	0.479136075	0.011450925	HINT1	turquoise	-0.24715	0.223509
TARS	salmon	0.253553	0.211361	CHDH	red	0.481482924	0.011007004	EXTL3	turquoise	-0.24615	0.225446
BAIAP2	salmon	0.252184	0.21392	APRT	red	0.484099059	0.010508328	IPO9	turquoise	-0.24499	0.227717
TYMS	salmon	-0.24517	0.227358	NDUFA1	red	0.487814367	0.009845849	TPP1	turquoise	-0.24463	0.228425
DYNLT1	salmon	-0.2446	0.228489	FGGY	red	0.498729374	0.008098101	SH3YL1	turquoise	-0.24445	0.228778
FNIP2	salmon	0.24143	0.234759	ROMO1	red	0.502085117	0.00761628	POLR2C	turquoise	-0.24444	0.228795
SNX8	salmon	0.241196	0.235228	C10orf11	red	0.505496907	0.007151348	ATP5C1	turquoise	-0.24371	0.23024
MICALL1	salmon	0.241171	0.235277	TMEM219	red	0.510548927	0.00650691	FAM114A1	turquoise	-0.24337	0.230895
TSPAN13	salmon	-0.24008	0.237465	DDX55	red	0.517670884	0.005682102	RPLP0	turquoise	-0.24268	0.232278
C1orf59	salmon	-0.23412	0.249667	PFDN5	red	0.520895676	0.005338796	FAM104B	turquoise	-0.24245	0.232732
NIN1	salmon	-0.23038	0.25752	RPS23	red	0.545493522	0.003252034	PYURF	turquoise	-0.24091	0.235803
PRRG4	salmon	-0.23008	0.258173	RPL37A	red	0.571062572	0.00186443	GBAS	turquoise	-0.24089	0.235839
SNHG11	salmon	-0.22738	0.263945	SNRPA1	red	0.571670601	0.001838922	ATG5	turquoise	-0.24034	0.236952
HYOU1	salmon	0.222048	0.275614	DEM1	red	0.580399305	0.001504521	RHOBTB1	turquoise	-0.24	0.237624
NRP2	salmon	0.220506	0.279048	LAMTOR2	red	0.602093428	0.000891058	ZDHHC20	turquoise	-0.23994	0.237745
COX5B	salmon	-0.21394	0.29398	NDUFA3	red	0.603910873	0.000851352	SDF2L1	turquoise	-0.23962	0.238399
ADORA2B	salmon	0.212546	0.297204	NDUFB5	red	0.607988403	0.00076782	SNORA10	turquoise	-0.23868	0.240298
DISP1	salmon	0.21003	0.303094	SSH1	royalblue	-0.574110122	0.001739578	MRPL30	turquoise	-0.23748	0.242735
SGTA	salmon	0.207461	0.309182	KIFAP3	royalblue	-0.46350785	0.014890215	ETFA	turquoise	-0.23739	0.242931
C8B	salmon	-0.20632	0.311911	MAMLD1	royalblue	-0.442650156	0.020769171	EIF4E	turquoise	-0.23661	0.244516
KIAA1804	salmon	0.205477	0.313935	YTF3C1	royalblue	-0.428774176	0.025641677	OFD1	turquoise	-0.23591	0.245957
HIST1H2AB	salmon	-0.20255	0.32102	GFHD2	royalblue	-0.401013767	0.038167845	PPP2R5A	turquoise	-0.2359	0.245974
CHRM4	salmon	-0.20097	0.324908	NOL10	royalblue	-0.330904084	0.091806952	NCKIPSD	turquoise	-0.23508	0.247673
FAM83D	salmon	-0.19448	0.341095	SPRED2	royalblue	-0.315892764	0.108456823	GORASP3	turquoise	-0.23467	0.248533
MSRB2	salmon	-0.19359	0.343347	MS4A7	royalblue	-0.311658345	0.11353523	ACADM	turquoise	-0.23451	0.248853
MANF	salmon	0.189839	0.352957	USP42	royalblue	-0.302761522	0.124774467	CLF2	turquoise	-0.23375	0.250441
HIST1H2AH	salmon	-0.18644	0.361796	SMARCC2	royalblue	-0.298019087	0.131087933	EIF4E3	turquoise	-0.23282	0.252372
KLC1	salmon	0.1829	0.371115	DPP3	royalblue	-0.297229475	0.13216131	C11orf74	turquoise	-0.23278	0.252463
TMEM183A	salmon	-0.18187	0.3739	HMBOX1	royalblue	-0.239445363	0.229008687	ATP6V1B2	turquoise	-0.23173	0.254683
PNPLA1	salmon	-0.18037	0.377926	MYADM	royalblue	-0.210090791	0.292889656	HSD17B12	turquoise	-0.23149	0.255189
AP2S1	salmon	-0.17718	0.38655	STX16	royalblue	-0.175297808	0.38180621	NAAL5	turquoise	-0.23101	0.256193
C1orf79	salmon	-0.17263	0.399043	ISOC1	royalblue	-0.161322938	0.421466699	FASTKD1	turquoise	-0.23072	0.256808
HIST1H4A	salmon	-0.17175	0.401504	PRRG1	royalblue	-0.145609049	0.46864756	MRPS28	turquoise	-0.23032	0.257653
HIST1H2BI	salmon	-0.1715	0.4022	ZFP1	royalblue	-0.111460647	0.579928102	NUP85	turquoise	-0.22933	0.259764
RETN	salmon	-0.1715	0.402202	METTL14	royalblue	-0.109267664	0.587450567	DTWD1	turquoise	-0.22928	0.25987
C1orf63	salmon	-0.17129	0.402767	LANCL1	royalblue	-0.104024122	0.605608056	ARL2	turquoise	-0.22902	0.260435
ABL1	salmon	0.169769	0.407033	NSD1	royalblue	-0.07347402	0.715701452	PAIP2	turquoise	-0.22837	0.261819
HIST1H3A	salmon	-0.16729	0.414029	PPP1R14B	royalblue	-0.061566983	0.760318089	TRIM37	turquoise	-0.22793	0.262756
SNHG12	salmon	-0.16146	0.430698	CDCAL7	royalblue	-0.05872451	0.771086745	FAM60A	turquoise	-0.22623	0.266431
MMP19	salmon	0.160517	0.433435	SNORA67	royalblue	-0.053865406	0.789590605	HCFC1R1	turquoise	-0.22616	0.266583
HBP1	salmon	-0.15665	0.444727	HIST1H2BE	royalblue	-0.051241295	0.799630632	TFAM	turquoise	-0.22604	0.266855
DOT1L	salmon	0.156302	0.445764	NOMO1	royalblue	-0.045219096	0.82278739	TMEM65	turquoise	-0.22558	0.267856
RANBP6	salmon	-0.15168	0.459509	FSTDJ2	royalblue	-0.033134517	0.				

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

PAFAH1B1	salmon	-0.12995	0.526926	FAM114A1	royalblue	0.118673457	0.555488255	TTC1	turquoise	-0.22192	0.275898
EDN1	salmon	0.129294	0.529021	SNORA71C	royalblue	0.153199988	0.445521339	BSC12	turquoise	-0.22148	0.276885
CLAR	salmon	0.128627	0.531167	SNORA70	royalblue	0.155412007	0.438899182	FAM111A	turquoise	-0.22091	0.27815
TMEM11	salmon	0.127285	0.535496	NDUF811	royalblue	0.163264777	0.415824237	GSN	turquoise	-0.22078	0.278431
ABC1	salmon	-0.12664	0.537598	C17orf79	royalblue	0.164167552	0.413215344	SRF	turquoise	-0.22049	0.279085
PINLYP	salmon	-0.12407	0.545945	LSM7	royalblue	0.170430613	0.395368273	C6orf162	turquoise	-0.22005	0.280061
TMEM217	salmon	0.12256	0.55087	GADD45GIP	royalblue	0.186756765	0.350954108	CCT2	turquoise	-0.21975	0.280751
HSPA6	salmon	0.122212	0.55201	MRP59	royalblue	0.190616458	0.340906477	NUDT19	turquoise	-0.21945	0.281416
TMBIM4	salmon	-0.12073	0.556868	ANKRD10	royalblue	0.199927355	0.317389252	NDUFA5	turquoise	-0.21904	0.282332
TMCO6	salmon	-0.11927	0.56168	DDX28	royalblue	0.201725471	0.312965596	SF3A3	turquoise	-0.21874	0.283019
HIST1H2BK	salmon	-0.11914	0.562113	CYC1	royalblue	0.205804555	0.303072447	RAP1A	turquoise	-0.21863	0.28327
MARCKS	salmon	-0.11237	0.584693	H3F3B	royalblue	0.210506962	0.291912581	CAMTA1	turquoise	-0.2185	0.283551
ILIRN	salmon	0.110929	0.589556	NTAN1	royalblue	0.211945278	0.288551596	TMEM126E	turquoise	-0.21696	0.287043
CLN8	salmon	0.110046	0.59254	FDX1L	royalblue	0.224940866	0.259298257	ARAF	turquoise	-0.21651	0.28807
IMPA1	salmon	0.106776	0.603646	RING1	royalblue	0.249983527	0.208547526	RHOF	turquoise	-0.2164	0.288324
PDIA5	salmon	-0.10395	0.613325	CMC2	royalblue	0.256558105	0.196432141	PLAC8	turquoise	-0.21587	0.289534
RAPGEF1	salmon	0.101607	0.621379	NUDC	royalblue	0.259140773	0.191808052	POP4	turquoise	-0.21557	0.290224
SLC7A11	salmon	0.099943	0.627134	IRF2BP1	royalblue	0.267072863	0.1780776	IL13RA1	turquoise	-0.2144	0.292921
RAB35	salmon	0.09352	0.649536	PFN1	royalblue	0.273010049	0.168260249	ACAT2	turquoise	-0.21416	0.293456
BRD1	salmon	0.092503	0.653111	CHCHD2	royalblue	0.274093714	0.16651037	ANAPC10	turquoise	-0.21403	0.293767
DHDDS	salmon	0.085671	0.677322	CCDC12	royalblue	0.277368163	0.161300958	TCEANC2	turquoise	-0.21398	0.293873
EAF1	salmon	0.08277	0.687698	MYEOV2	royalblue	0.282584964	0.153241762	ATAD2B	turquoise	-0.21391	0.29404
CKX13	salmon	-0.08104	0.693923	TRMT2A	royalblue	0.289684842	0.142741024	TGFA	turquoise	-0.21367	0.294608
ZNF546	salmon	0.079938	0.697884	SCARNA7	royalblue	0.290041424	0.142227674	PIPS1C1	turquoise	-0.2134	0.295225
TMEM19	salmon	-0.07846	0.703234	SPATASL1	royalblue	0.321315898	0.102201563	C5orf42	turquoise	-0.21314	0.295828
CSF1	salmon	0.076322	0.710959	RRS1	royalblue	0.323714057	0.099522969	BCKDHA	turquoise	-0.21298	0.296188
OSGIN1	salmon	0.075605	0.71356	POLR2F	royalblue	0.325831434	0.097201997	IKBIP	turquoise	-0.21234	0.297677
AKR1C2	salmon	0.072859	0.723556	C6orf1	royalblue	0.340456798	0.08226402	ZNF451	turquoise	-0.21227	0.297837
SURF4	salmon	-0.07216	0.726112	RPL18	royalblue	0.343344382	0.079533495	CENPC1	turquoise	-0.21223	0.297944
SOWAHC	salmon	0.069728	0.735009	FAU	royalblue	0.344132295	0.078800582	KIAA1551	turquoise	-0.212	0.298471
IL6R	salmon	-0.06632	0.747548	NDUF89	royalblue	0.346378905	0.076739093	BTF3L4	turquoise	-0.21187	0.298773
UBE2Z	salmon	0.062737	0.760773	SEPHS1	royalblue	0.350442704	0.07311524	C18orf21	turquoise	-0.21156	0.299498
APBA3	salmon	-0.06176	0.764379	EXOSC1	royalblue	0.352591437	0.071252999	HUS1	turquoise	-0.21059	0.301782
SRSF7	salmon	-0.05887	0.775123	EMC9	royalblue	0.353456794	0.070513408	NOC2L	turquoise	-0.21053	0.301919
PDGFC	salmon	-0.05611	0.785443	AIMP1	royalblue	0.358095407	0.066649181	VAMP3	turquoise	-0.21052	0.301937
LOC730101	salmon	-0.05466	0.790837	PRDX5	royalblue	0.380373818	0.050319361	MPHOSPH8	turquoise	-0.21003	0.303091
YRDC	salmon	-0.05163	0.802198	TCEB2	royalblue	0.386002703	0.046739047	GRHRP	turquoise	-0.20958	0.304144
SLC39A14	salmon	-0.05053	0.806335	ZNF688	royalblue	0.397232904	0.040198124	CDK7	turquoise	-0.20935	0.30469
CD274	salmon	0.047415	0.818085	COX5B	royalblue	0.405723748	0.035753963	CRIP1	turquoise	-0.20909	0.305302
PDRG1	salmon	-0.0466	0.821154	PET100	royalblue	0.416759662	0.030574695	HNRPL1	turquoise	-0.20894	0.305658
PRMT3	salmon	0.042152	0.837999	EIF3K	royalblue	0.45557129	0.016939591	EV12B	turquoise	-0.20886	0.305854
GCLM	salmon	-0.04064	0.843742	RNF113A	royalblue	0.470544082	0.013248904	LOC728554	turquoise	-0.20852	0.306657
SNORA33	salmon	0.038015	0.853722	PSMA7	royalblue	0.490198247	0.009439445	ELP4	turquoise	-0.20833	0.307112
PIM3	salmon	-0.03547	0.863411	RPU5D2	royalblue	0.504747615	0.007251353	SP140L	turquoise	-0.20812	0.307611
LOC643837	salmon	-0.03398	0.869121	PRDX6	royalblue	0.529243152	0.004530667	UBE2L6	turquoise	-0.20792	0.308091
SHMT2	salmon	0.033119	0.8724	INTS8	salmon	-0.508397121	0.006775138	LRRCC40	turquoise	-0.20782	0.308316
ARGAP3	salmon	-0.03142	0.878895	GDAP2	salmon	-0.460395974	0.015667871	NSFP1	turquoise	-0.20756	0.308955
YKT6	salmon	-0.02814	0.891455	APPL1	salmon	-0.428563017	0.02572242	HLA-DMA	turquoise	-0.20744	0.309239
KLHL15	salmon	-0.02808	0.891691	ANGEL2	salmon	-0.419055052	0.02957747	IFNAR1	turquoise	-0.20742	0.309283
LCA1	salmon	0.027847	0.892585	TXNDC12	salmon	-0.414655809	0.031512331	MAP3K7	turquoise	-0.2073	0.309577
TPM1L2	salmon	-0.02777	0.892895	MRP535	salmon	-0.401796735	0.037757807	MRPS17	turquoise	-0.20704	0.310194
TUBB8	salmon	-0.02703	0.895704	PTAR1	salmon	-0.39031586	0.044134203	FAM193A	turquoise	-0.20697	0.310353
CBLL1	salmon	-0.02337	0.909794	DHDH2	salmon	-0.382092953	0.049203752	NSL1	turquoise	-0.20688	0.31057
PELI1	salmon	0.022188	0.914325	PIK3CA	salmon	-0.379866962	0.050652046	DTNBP1	turquoise	-0.2059	0.312928
FBXL15	salmon	-0.02194	0.915275	BTF2M	salmon	-0.373970695	0.054650539	ECH1	turquoise	-0.20525	0.314489
BTG1	salmon	0.021321	0.91766	LEO1	salmon	-0.36569276	0.060676001	SMC4	turquoise	-0.20493	0.315249
TNFRSF18	salmon	0.020522	0.920738	UBA6	salmon	-0.365198382	0.061051557	AKR1B1	turquoise	-0.20444	0.316429
PLEK	salmon	0.018726	0.927656	PPP3C2	salmon	-0.363876893	0.062064303	TM9SF1	turquoise	-0.20328	0.319256
HIST1H4H	salmon	0.017795	0.931244	NSDHL	salmon	-0.360564776	0.06465992	UBR7	turquoise	-0.20269	0.320697
BCL6	salmon	-0.0166	0.935854	GRB2	salmon	-0.358799137	0.066077519	HMG2B	turquoise	-0.2026	0.320917
TULP3	salmon	-0.01624	0.937258	REEP3	salmon	-0.357661126	0.067003863	DICER1	turquoise	-0.20191	0.32259
ZCCHC14	salmon	-0.01473	0.943056	BRGX	salmon	-0.356503003	0.067956842	C8orf40	turquoise	-0.20145	0.323707
FDXACB1	salmon	-0.01329	0.948618	PSMD10	salmon	-0.352853229	0.071028628	RPF2	turquoise	-0.20111	0.324563
DGCR8	salmon	0.00894	0.965428	NPAT	salmon	-0.352406817	0.071411556	C9orf47	turquoise	-0.20094	0.32497
POLR1E	salmon	-0.0073	0.971775	FAR1	salmon	-0.351138611	0.072508074	TRIM27	turquoise	-0.19917	0.329331
NC1002870	salmon	0.004006	0.984505	DOCK10	salmon	-0.346998808	0.076177596	AIM2	turquoise	-0.19914	0.329405
NCOA5	salmon	-0.00333	0.987129	C17orf61	salmon	-0.332745918	0.089904993	FTSJ1	turquoise	-0.19832	0.33146
TXNDC5	salmon	-0.00249	0.990385	UTP14A	salmon	-0.330872284	0.091840054	EIF3I	turquoise	-0.1979	0.332506
MOGS	salmon	-0.00071	0.997256	CRBN	salmon	-0.33080522	0.091909894	DTX4	turquoise	-0.19745	0.333611
IERSL	salmon	0.000391	0.998488	IFT46	salmon	-0.329134051	0.093663198	ZNF473	turquoise	-0.19703	0.334672
CRAT	skyblue	-0.43688	0.025643	NAT1	salmon	-0.32219005	0.101219015	DCAF17	turquoise	-0.1966	0.335749
ERGIC1	skyblue	-0.39763	0.044258	TNKS	salmon	-0.321237229	0.102290313	TTL1	turquoise	-0.19583	0.33769
CHMP7	skyblue	-0.37937	0.055952	FRS2	salmon	-0.315594506	0.108808908	ZNF7	turquoise	-0.19582	0.337699
CYBASC3	skyblue	-0.34051	0.088721	PBRM1	salmon	-0.312418379	0.11261101	SUGT1	turquoise	-0.19556	0.338372
ETFA	skyblue	-0.26988	0.182426	TAX1BP1	salmon	-0.302898186	0.12459589	APPL2	turquoise	-0.19544	0.338666
TP53I13	skyblue	-0.23717	0.243381	PTP4A2	salmon	-0.300593984	0.12763186	PRR11	turquoise	-0.19511	0.339492
RCAN1	skyblue	-0.23016	0.258002	CCNT1	salmon	-0.295613749	0.13437755	LOC728377	turquoise	-0.1949	0.340027
ARMCX3	skyblue	-0.19993	0.327453	PRMT6	salmon	-0.292684502	0.138464007	DNM2	turquoise	-0.19438	0.341348
IFITM2	skyblue	-0.19581	0.337723	ATP10D	salmon	-0.283482676	0.151884454	ORC2	turquoise	-0.19408	0.342112
ARGHEFS	skyblue	-0.17801	0.384291	RABEPK	salmon	-0.276899559	0.162039302	ZNF207	turquoise	-0.19403	0.342226
CREB3L2	skyblue	-0.17748	0.385739	BTBD1	salmon	-0.273425341	0.16758812	PIK3R1	turquoise	-0.19346	0.343665
ZNF138	skyblue	0.173479	0.396705	RAP2C	salmon	-0.269336117	0.174289149	TMEM237	turquoise	-0.19333	0.344008
RELA	skyblue	-0.17256	0.399248	DDX21	salmon	-0.268955983	0.174921472	UBE2W	turquoise	-0.19304	0.34475
GNAI1	skyblue	-0.16673	0.415602	SP4	salmon	-0.267819616	0.176821311	PSMA4	turquoise	-0.19296	0.344942
FAM103A1	skyblue	-0.15666	0.444723	ZNF383	salmon	-0.267272612	0.177740947	NUDT16P1	turquoise	-0.19251	0.346097
QSOX2	skyblue	-0.14716	0.473139	CDK17	salmon	-0.264344851	0.182719982	NAE1	turquoise	-0.19225	0.346772
DOM3Z	skyblue	-0.13597	0.507769	MMGT1	salmon	-0.264207838	0.182955342	CCNC	turquoise	-0.19216	0.346981
NOC2L	skyblue	-0.13592	0.507933	YARS2	salmon	-0.235865053	0.236255183	ICA1	turquoise	-0.1914	0.34894
ACO2	skyblue	-0.13506	0.510652	DES12	salmon	-0.223191044	0.263120364	RBM48	turquoise	-0.19065	0.350863
C6orf170	skyblue	-0.135	0.510853	NHLRC2	salmon	-0.221686959	0.266434727	SIGLEC10	turquoise	-0.19028	0.351816
MYO9A	skyblue	0.124531	0.544433	C14orf119	salmon	-0.219107652	0.272180905	KRNL4	turquoise	-0.19016	0.352123
RFWO2	skyblue	-0.11601	0.572515	MTPN	salmon	-0.214527212	0.282579935	KDEL2	turquoise	-0.19015	0.3

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

RBM14	skyblue	-0.03363	0.870458	HEATR2	salmon	-0.168784074	0.40001729	UCP2	turquoise	-0.18849	0.35644
DDX42	skyblue	-0.03302	0.872779	KATNB1	salmon	-0.167143766	0.404679226	RAB27A	turquoise	-0.18812	0.3574
SLC38A7	skyblue	-0.02978	0.885169	TMEM192	salmon	-0.162214985	0.418869435	SPDL1	turquoise	-0.18761	0.358742
UBA3	skyblue	-0.02109	0.918539	RBM5	salmon	-0.158274977	0.430407659	MRPL27	turquoise	-0.18744	0.359189
SLC9A3R1	skyblue	-0.02055	0.920642	GIN1	salmon	-0.155699849	0.438041387	RHOQ	turquoise	-0.18688	0.360659
PCED1B-AS5	skyblue	-0.01345	0.948013	UBR1	salmon	-0.155639843	0.438220135	PTPN22	turquoise	-0.18678	0.360905
SOGA1	skyblue	-0.00898	0.965254	SLC25A24	salmon	-0.152238251	0.448417081	HEXB	turquoise	-0.18666	0.361233
NOM1	tan	-0.48239	0.012568	TJAP1	salmon	-0.151578573	0.450409124	NDUFB1	turquoise	-0.18586	0.363332
SNX18	tan	-0.44525	0.022643	ARFGAP1	salmon	-0.148782298	0.458905084	ADNP	turquoise	-0.1858	0.363479
TAF10	tan	-0.42585	0.030075	SS18	salmon	-0.148557495	0.459591745	NKIRAS1	turquoise	-0.18579	0.363513
ZNFS10	tan	-0.39839	0.043818	TRAPP1	salmon	-0.136087804	0.498512654	PGP	turquoise	-0.18515	0.365188
ZDBF2	tan	0.386856	0.050896	OSGIN2	salmon	-0.129944992	0.518271747	CNOT10	turquoise	-0.18501	0.365552
ZNF408	tan	0.382999	0.053453	GRPEL2	salmon	-0.128150234	0.524115607	BCL10	turquoise	-0.18482	0.366062
HELB	tan	-0.37124	0.061868	HS1BP3	salmon	-0.126024798	0.531076917	XP01	turquoise	-0.18476	0.366231
CASP2	tan	-0.36262	0.068668	MAN2A1	salmon	-0.123913849	0.53803405	GFM2	turquoise	-0.18467	0.366446
CKNQP1	tan	-0.35877	0.071881	ERC6G1	salmon	-0.123504061	0.539389561	TLR5	turquoise	-0.18447	0.366994
PAGR1	tan	-0.35509	0.075065	DDX5	salmon	-0.123476173	0.53948187	NMI	turquoise	-0.18442	0.367107
ZCVWPW1	tan	0.351283	0.078462	HMGN2	salmon	-0.114478198	0.569645639	CEP41	turquoise	-0.18433	0.367344
FBXO32	tan	-0.3351	0.094246	ANKRD36B	salmon	-0.109195493	0.587698868	PDE6D	turquoise	-0.18425	0.367564
C11orf31	tan	-0.33151	0.098048	ORMDL3	salmon	-0.099931308	0.619942273	YTHDF3	turquoise	-0.18346	0.369656
MISANTD4	tan	-0.3309	0.098702	SAMHD1	salmon	-0.099001537	0.623217834	C4orf27	turquoise	-0.18321	0.37032
TMEM230	tan	-0.3287	0.101103	LYN	salmon	-0.094494751	0.639193528	USMG5	turquoise	-0.1829	0.371162
ORA2A20P	tan	-0.32281	0.10774	SLC25A17	salmon	-0.093491887	0.64277029	CXorf38	turquoise	-0.18241	0.372444
CG8BP1	tan	-0.32249	0.108106	TX2P1-UPK3BP1-F	salmon	-0.092434552	0.646549754	CGRFR1	turquoise	-0.182	0.373542
COG8	tan	-0.32125	0.10954	ARL16	salmon	-0.090448031	0.653673754	CDC73	turquoise	-0.18191	0.373802
SYTL1	tan	-0.31947	0.111639	DCUN1D1	salmon	-0.085896827	0.670106396	FASTKD3	turquoise	-0.18126	0.375524
CLINT1	tan	-0.31922	0.111935	CUEDC2	salmon	-0.08569171	0.670850567	ITGB1	turquoise	-0.18018	0.378433
SIRT7	tan	-0.3167	0.114954	SENP2	salmon	-0.078627112	0.696661906	LSM1	turquoise	-0.18006	0.378758
PEX11B	tan	-0.3085	0.12519	SIRT1	salmon	-0.078595711	0.696777396	C11orf73	turquoise	-0.17788	0.384636
ZNF26	tan	0.307169	0.126909	ARM7C	salmon	-0.076389214	0.704909216	RAB14	turquoise	-0.1778	0.384849
SEC23A	tan	0.302823	0.132653	NPC2	salmon	-0.074061983	0.713520402	MOB3A	turquoise	-0.17725	0.386361
ZNF280D	tan	-0.3026	0.132951	CREB1	salmon	-0.065550714	0.745299283	RBM14	turquoise	-0.17658	0.388175
Z2HC1A	tan	-0.29547	0.142801	BMPR2	salmon	-0.058849505	0.770612317	ASMTL	turquoise	-0.17641	0.388654
AGPAT3	tan	-0.29322	0.146007	HEATR1	salmon	-0.052134289	0.796210402	CFDP1	turquoise	-0.1763	0.388952
FGGY	tan	0.292017	0.147745	KCTD13	salmon	-0.041717557	0.836319843	TSSC1	turquoise	-0.17623	0.389145
TMEM109	tan	-0.29091	0.149355	KLHDC3	salmon	-0.025492364	0.899562158	B3GALT6	turquoise	-0.17547	0.391226
USF2	tan	-0.28694	0.15524	CLP1	salmon	-0.024305934	0.904214937	TPT1	turquoise	-0.17521	0.391941
RHOA	tan	-0.28255	0.161971	STK24	salmon	-0.018026096	0.928890242	ITGB3BP	turquoise	-0.17508	0.392287
AFG3L1P	tan	0.279337	0.166976	NSMAF	salmon	-0.012019102	0.952553973	LACTB	turquoise	-0.17491	0.392751
GTJ21	tan	-0.27707	0.170597	BCLA1F	salmon	-0.002335146	0.99077698	TRAF3IP1	turquoise	-0.17473	0.393251
PPCS	tan	-0.27611	0.172138	C8orf59	salmon	0.002350246	0.99071734	SBF1	turquoise	-0.17451	0.393863
FGD3	tan	-0.27229	0.178391	DOHH	salmon	0.005134244	0.979723132	RLP6	turquoise	-0.17408	0.395055
TBL2	tan	-0.27127	0.180088	CLCC1	salmon	0.005508993	0.978243453	INTU	turquoise	-0.17407	0.39507
FUZ	tan	-0.27102	0.180502	ABCA11P	salmon	0.007177906	0.971654752	ZNF83	turquoise	-0.1735	0.396634
TCF12	tan	-0.26728	0.18683	MED6	salmon	0.014829139	0.941478127	CAPZ2A	turquoise	-0.17324	0.397363
PARP1	tan	-0.26266	0.19485	MGC7208D	salmon	0.016044348	0.936691512	ZNHIT6	turquoise	-0.17293	0.398234
SLC25A40	tan	-0.26	0.199592	SPATC1	salmon	0.018542119	0.926859906	SRSF10	turquoise	-0.17288	0.39837
TBRG4	tan	-0.25923	0.200961	ANKRD13D	salmon	0.02536414	0.900135427	MRPL47	turquoise	-0.17222	0.400202
UNC93B1	tan	-0.25828	0.202687	SULT1A4	salmon	0.026612465	0.895172466	ZNF746	turquoise	-0.17213	0.400456
STAR3D	tan	-0.25623	0.206414	DUSP22	salmon	0.027964083	0.889879477	GMPS	turquoise	-0.17208	0.40058
PRR12	tan	-0.25532	0.208085	SNAPC2	salmon	0.028285883	0.888619966	PMS1	turquoise	-0.17185	0.401218
CALHM2	tan	-0.2547	0.209226	ZNF345	salmon	0.029567116	0.883607923	WIBG	turquoise	-0.17117	0.403128
PBX3	tan	-0.25095	0.216246	SLC17A5	salmon	0.030024686	0.881819008	TMEM109	turquoise	-0.17109	0.403331
FBL	tan	-0.24967	0.21868	RBM39	salmon	0.031134436	0.877482696	DMXL1	turquoise	-0.17093	0.403783
RBBP7	tan	-0.24496	0.22777	CAMKK2	salmon	0.031341156	0.87667532	UBTD2	turquoise	-0.17077	0.404244
TAF8	tan	-0.244	0.22967	CIRH1A	salmon	0.03551509	0.860400256	VPS35	turquoise	-0.17044	0.405152
RNF141	tan	-0.24189	0.233851	PAG1	salmon	0.043211905	0.830538819	RBM34	turquoise	-0.17043	0.405181
C12orf57	tan	0.241601	0.234418	ANKRD11	salmon	0.04646414	0.81798734	DND1	turquoise	-0.16927	0.408438
USB1	tan	-0.24045	0.236715	PACSN2	salmon	0.051903827	0.797092738	PROSC	turquoise	-0.16882	0.4097
MAGED2	tan	-0.22935	0.259732	FOXRED1	salmon	0.053849609	0.789650949	API5	turquoise	-0.16868	0.410086
ATG16L2	tan	-0.22616	0.266591	RFC3	salmon	0.063876178	0.751601627	POLG	turquoise	-0.16861	0.410304
HDH0H	tan	0.225892	0.267172	HERC2	salmon	0.06388409	0.751571815	SEHL1	turquoise	-0.16852	0.410543
IFI140	tan	-0.22455	0.270103	YPEL3	salmon	0.091946649	0.648296673	LSAMP	turquoise	-0.16846	0.410707
NFKBID	tan	0.222536	0.274532	LSP1	salmon	0.110599491	0.582876645	CNOT2	turquoise	-0.16811	0.411696
CCDC47	tan	0.218647	0.283223	LRRCL14	salmon	0.121684774	0.545426771	GPR160	turquoise	-0.16774	0.412738
TMEM41A	tan	0.21821	0.284211	HNRNPU	salmon	0.124932234	0.534672369	SMURF2	turquoise	-0.16763	0.413058
PIPK51C	tan	-0.21434	0.29304	C15orf40	salmon	0.134606923	0.50324142	PPA2	turquoise	-0.16739	0.41373
FASTKD2	tan	0.212876	0.296438	TULP4	salmon	0.135054449	0.501810034	PUS7L	turquoise	-0.16694	0.415001
CMAHP	tan	-0.21111	0.300546	IPO13	salmon	0.139891635	0.486468679	SGK223	turquoise	-0.16636	0.416654
BTBD19	tan	0.210539	0.301898	GLYCTK	salmon	0.148887385	0.458584281	OClAD1	turquoise	-0.16636	0.416656
NUTF2	tan	-0.21021	0.302679	RAD21	salmon	0.150282875	0.45433542	CLNS1A	turquoise	-0.16621	0.417084
ORA2A9P	tan	-0.20821	0.307402	DDX3X	salmon	0.154272267	0.44230459	ACTR3	turquoise	-0.16617	0.417191
AGA	tan	-0.20594	0.312826	GTPBP3	salmon	0.162686229	0.417500947	FXR1	turquoise	-0.1658	0.418248
UBE2G1	tan	-0.20499	0.315105	CACNB3	salmon	0.173665	0.386325734	SNX9	turquoise	-0.16569	0.418564
Z3H15	tan	-0.20478	0.315614	CTDNEP1	salmon	0.181665623	0.364473588	CCDC71L	turquoise	-0.16528	0.419738
MAST3	tan	-0.20119	0.324367	LOC1005067	salmon	0.192598448	0.335814835	HAGH	turquoise	-0.16511	0.42021
MEAF6	tan	-0.19987	0.327618	PQCTL	salmon	0.200871605	0.315061469	ZC3H6	turquoise	-0.16422	0.422769
GPATCH2	tan	-0.19953	0.328446	BRMS1	salmon	0.201070171	0.314573306	PRPF40A	turquoise	-0.16405	0.423238
APOO	tan	0.194968	0.339853	NOSIP	salmon	0.202487366	0.311102761	RP9	turquoise	-0.16344	0.424984
VOPP1	tan	-0.19357	0.343389	RSAD1	salmon	0.212026523	0.28836248	IRGQ	turquoise	-0.16342	0.425061
USP32P1	tan	0.190755	0.350595	B4GALT3	salmon	0.224023782	0.261296904	PFND4	turquoise	-0.16326	0.425501
E1F3F	tan	-0.18749	0.35906	PMS2P1	salmon	0.228359246	0.251936154	CCR5	turquoise	-0.16323	0.425598
PPARD	tan	-0.18402	0.368181	MAP2K7	salmon	0.238719326	0.230466031	BLOC1S2	turquoise	-0.1632	0.425685
BTBD6	tan	-0.18185	0.373946	BLOC1S3	salmon	0.296522521	0.133127734	IQCQ	turquoise	-0.16277	0.426934
BABAM1	tan	-0.18095	0.376362	ABCD1	salmon	0.312450489	0.112572086	METAP2	turquoise	-0.1623	0.428279
LPCAT4	tan	-0.18074	0.376932	LILRA2	salmon	0.3160053	0.108324197	KIAA1586	turquoise	-0.1623	0.42828
TRIM14	tan	-0.18054	0.377456	CORO1B	salmon	0.32559633	0.097457685	ADAP1	turquoise	-0.16229	0.428312
TUBGCP4	tan	0.177586	0.385444	C2CD2L	salmon	0.34464093	0.078330198	ARV1	turquoise	-0.16224	0.428446
PTER	tan	0.174464	0.393986	ABHD16A	salmon	0.347828286	0.075431196	RNF168	turquoise	-0.1621	0.428863
SBDS	tan	0.167562	0.41325	NDUF55	salmon	0.374238574	0.054463684	NFX1	turquoise	-0.16208	0.428924
PTGS2	tan	0.166783	0.415455	SERBP1	tan	-0.543333275	0.003401809	KRR1	turquoise	-0.16198	0.429189
UBAP2	tan	-0.16634	0.416708	BRCC3	tan	-0.522934691	0.005130921	SIRPA	turquoise	-0.16193	0.429344
RAB2A2	tan	0.163799	0.423966	HIST1H1E	tan	-0.516931607	0.005763381	ME1	turquoise	-0.1619	0.42944
ZNF253	tan	-0.16266	0.42724								

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

PPP6C	tan	-0.15275	0.456301	PRRG4	tan	-0.430835498	0.024864221	RSRC1	turquoise	-0.16016	0.434487
HIST1H4B	tan	-0.15133	0.460559	PEA15	tan	-0.422427314	0.028160151	TTC3	turquoise	-0.15955	0.436234
RPL7	tan	-0.15045	0.463198	ELF1	tan	-0.416380026	0.030742207	BBS5	turquoise	-0.15954	0.436271
SERPINH1	tan	0.148883	0.46791	ATP6V1G1	tan	-0.407980798	0.034641339	HOOK3	turquoise	-0.15942	0.436628
ZDHHC5	tan	-0.14773	0.471393	PPM1A	tan	-0.405682968	0.035774326	NFKBIE	turquoise	-0.15893	0.438055
PIEZ01	tan	-0.14303	0.485772	MRP63	tan	-0.403870377	0.03668881	EPG5	turquoise	-0.15829	0.439921
GABPA	tan	0.138915	0.49854	RABGEF1	tan	-0.400931329	0.038211223	USP3A	turquoise	-0.15825	0.440031
CD97	tan	-0.13872	0.499156	MTL1	tan	-0.397860925	0.039855061	C7orf23	turquoise	-0.15823	0.440096
GBA2	tan	0.136721	0.505414	RHOA	tan	-0.390230934	0.044184359	OR2A7	turquoise	-0.15782	0.441307
NUDT4	tan	0.133579	0.515336	C11orf48	tan	-0.389997723	0.044322319	OGFR11	turquoise	-0.1575	0.442231
IKBKE	tan	-0.13258	0.518517	PSMD7	tan	-0.382408628	0.049001031	SUSD3	turquoise	-0.15745	0.442399
CLEC16A	tan	0.128445	0.531754	SSU72	tan	-0.375819649	0.053370991	LRPPRC	turquoise	-0.15711	0.443373
BIRC2	tan	0.122729	0.550318	POLD3	tan	-0.369970692	0.05750078	AP3S1	turquoise	-0.15683	0.444218
TBCCD1	tan	-0.12123	0.555237	AAR2	tan	-0.351466071	0.072223714	ATP5B	turquoise	-0.15619	0.446087
RPL11	tan	0.117217	0.568497	CHAF1A	tan	-0.349235961	0.074177342	PRR13	turquoise	-0.15619	0.446097
MAGOH	tan	-0.11698	0.569272	ZNF649	tan	-0.345472876	0.077565443	B4GALT7	turquoise	-0.15548	0.448204
TS2C	tan	-0.11648	0.570963	PHF5A	tan	-0.331122489	0.091579845	NAP1L1	turquoise	-0.15527	0.448798
ANKMY1	tan	-0.11495	0.576036	PIPG	tan	-0.328798727	0.094018014	MBIP	turquoise	-0.1546	0.450787
TRAPPC9	tan	-0.11279	0.583295	MALT1	tan	-0.307770329	0.118351018	COX7B	turquoise	-0.15458	0.450854
SEPN1	tan	-0.11137	0.588076	SNORA49	tan	-0.293799911	0.136897496	TBCEL	turquoise	-0.15441	0.451367
SLFN11	tan	-0.11049	0.591048	EMC1	tan	-0.286183243	0.147853118	CEBPD	turquoise	-0.15422	0.451916
CYP4V2	tan	-0.1094	0.594731	MRGBP	tan	-0.278678901	0.159248395	AQR	turquoise	-0.15342	0.454302
RG519	tan	-0.10393	0.613366	SNORA53	tan	-0.274953565	0.165131066	HARS2	turquoise	-0.15262	0.456673
ZBTB1	tan	-0.10215	0.619496	FUNDC2	tan	-0.27131684	0.171020273	HSD17B14	turquoise	-0.15254	0.45691
TUBGCP6	tan	-0.10036	0.625686	TFPT	tan	-0.268350986	0.175931151	LMBRD1	turquoise	-0.15242	0.457269
SLC25A25	tan	-0.09845	0.632322	UBXN11	tan	-0.262785664	0.185410973	BCL2A1	turquoise	-0.15224	0.457823
MGAM	tan	0.097431	0.635857	PTGR1	tan	-0.260711678	0.189032494	NQO1	turquoise	-0.15212	0.458186
CPT1B	tan	0.095353	0.643112	PNN	tan	-0.250110732	0.208308405	GLE1	turquoise	-0.15192	0.458773
DDX17	tan	0.093093	0.651039	TMOD3	tan	-0.239484582	0.228930139	NLE1	turquoise	-0.15183	0.459044
MCF2L2	tan	0.09283	0.651963	FAF1	tan	-0.23014251	0.242132825	ARPC5L	turquoise	-0.15176	0.459246
TLR2	tan	0.090571	0.659926	EIF3J	tan	-0.213529233	0.284878732	CUL5	turquoise	-0.15167	0.45954
THAP10	tan	-0.09034	0.660759	ATP6V0B	tan	-0.187855413	0.348076324	DNASE1	turquoise	-0.15038	0.463387
SUZ12	tan	-0.08898	0.665561	SNHG8	tan	-0.149271265	0.457413398	TXLNG	turquoise	-0.15015	0.464098
SPATA13	tan	0.087105	0.672212	LRRC42	tan	-0.123426934	0.539644866	DNACJ8	turquoise	-0.15004	0.46443
EXOSC9	tan	0.082294	0.689408	RPL28	tan	-0.102915109	0.609478375	TNFSF13B	turquoise	-0.14996	0.464666
RAB11FIP1	tan	-0.07778	0.705676	RPL12	tan	-0.095276386	0.636411239	XBP1	turquoise	-0.14939	0.466379
TRIOBP	tan	-0.07772	0.705887	SLC39A4	tan	-0.055174321	0.784594729	STRAP	turquoise	-0.14905	0.467399
TUBGCP2	tan	-0.07687	0.708976	B4GALT1	tan	-0.010734632	0.957619738	KRCC1	turquoise	-0.14869	0.468491
GRP34	tan	-0.06931	0.736532	LRCH4	tan	0.018028401	0.928881168	PCIF1	turquoise	-0.14845	0.469216
PLEKH48	tan	0.068802	0.738407	RASGRP1	tan	0.027953284	0.889921751	IL10RB	turquoise	-0.14833	0.469584
TRMT10B	tan	-0.06522	0.751577	UBE3B	tan	0.046236269	0.818865386	CTU2	turquoise	-0.14829	0.469692
RP56	tan	0.063988	0.756144	HVCN1	tan	0.058298762	0.772703308	EMC2	turquoise	-0.14817	0.470081
NUP54	tan	0.063168	0.759177	RP528	tan	0.069900344	0.729004344	RPL34	turquoise	-0.14778	0.471261
TCOF1	tan	-0.0623	0.762379	MSN	tan	0.080546238	0.689616028	SRGIN1	turquoise	-0.14706	0.473426
NEK11	tan	-0.06002	0.770857	NUP188	tan	0.089173263	0.658260989	RNF14	turquoise	-0.14702	0.473564
ZCCHC4	tan	-0.05731	0.780966	RP529	tan	0.096344325	0.632617597	TIPARP	turquoise	-0.14694	0.473796
RAB18	tan	-0.05568	0.78703	MAF1	tan	0.106899092	0.595623258	SNORA14B	turquoise	-0.14681	0.474191
PIA5I	tan	-0.05281	0.797769	SCIMP	tan	0.1132524	0.573812507	PAK1P1	turquoise	-0.14666	0.474666
ATP6V0C	tan	-0.0509	0.804942	MCM8BP	tan	0.117234021	0.560327582	PRDMA4	turquoise	-0.14656	0.474952
DYNLN3	tan	-0.05038	0.806907	DDB1	tan	0.125290191	0.533493122	DBX3	turquoise	-0.14653	0.475066
CMTM6	tan	-0.04935	0.810775	DMXL2	tan	0.127668771	0.525688659	FBXO5	turquoise	-0.14591	0.476945
FERM3T3	tan	-0.04687	0.820158	DHODH	tan	0.13029938	0.517121583	B3GALT3	turquoise	-0.14569	0.477619
AGL	tan	-0.04682	0.820315	ZC3HAV1	tan	0.130692092	0.515848491	BOLA3	turquoise	-0.14519	0.479146
DLAT	tan	-0.04431	0.829838	IFITM10	tan	0.135315345	0.500976509	RNF115	turquoise	-0.14497	0.479823
RPL4	tan	0.041571	0.840203	ZNF341	tan	0.135879989	0.499174911	PSMA6	turquoise	-0.14464	0.480813
ADAM17	tan	-0.03576	0.862312	RNF111	tan	0.143373172	0.475576074	COMMD8	turquoise	-0.14458	0.481017
RNPC3	tan	0.035063	0.864975	LAPTM5	tan	0.155656965	0.438169129	BTF3	turquoise	-0.14438	0.481627
TOMM34	tan	0.034951	0.8654	PLAZG6	tan	0.156839148	0.434655066	ALG2	turquoise	-0.14415	0.482329
AP152	tan	-0.03301	0.87281	LZTR1	tan	0.159087518	0.42801409	DNACJ2	turquoise	-0.14378	0.483472
NUDT21	tan	-0.03171	0.877798	FAM193B	tan	0.1599927	0.425356209	DANCR	turquoise	-0.14372	0.483639
TCEA3	tan	-0.0304	0.882801	POQC2	tan	0.162907571	0.416859028	C6orf62	turquoise	-0.14367	0.483812
TAB2	tan	0.026225	0.89881	DOPEY1	tan	0.165844409	0.408393686	B4GALT2	turquoise	-0.14347	0.484416
CCDC109B	tan	0.023042	0.911038	NECAP1	tan	0.167522072	0.403601343	ARHGEP5	turquoise	-0.14346	0.484442
CCDC126	tan	0.020265	0.921725	NIPAL3	tan	0.168289896	0.401418598	MUM1	turquoise	-0.14289	0.486195
ABCF2	tan	0.019727	0.923797	PIGU	tan	0.168576817	0.400604659	GRIPAP1	turquoise	-0.14289	0.486204
RP56KB1	tan	0.017992	0.930482	DPY19L3	tan	0.17579111	0.380446792	ZNF329	turquoise	-0.14263	0.486999
GAK	tan	0.011817	0.954311	CCDC144A	tan	0.17630124	0.379043938	C5orf51	turquoise	-0.14258	0.487175
RAET1K	tan	-0.01112	0.956996	LST1	tan	0.178134853	0.374026237	FAM92A1	turquoise	-0.14248	0.487475
ACP1	tan	0.007763	0.969976	GGCX	tan	0.179445699	0.370462858	GABARAPL1	turquoise	-0.14197	0.489058
NOD1	tan	0.004144	0.983971	ELL	tan	0.181973094	0.363648547	TRPM7	turquoise	-0.14192	0.489199
KIAA1429	tan	0.003345	0.987061	C2orf47	tan	0.182171128	0.363117739	TATDN3	turquoise	-0.1419	0.489262
TAF7	tan	-0.00245	0.990514	CCDC15	tan	0.184409763	0.357149044	ZC3H8	turquoise	-0.14169	0.489918
KATNAL1	turquoise	-0.56035	0.002908	ACTA2	tan	0.189313043	0.344280033	ZCCHC16	turquoise	-0.141	0.492067
PPT2	turquoise	-0.53893	0.0045	BAZZA	tan	0.189628946	0.343460569	DCAF13	turquoise	-0.14085	0.492515
ELF2	turquoise	-0.51721	0.006814	GALNT7	tan	0.197804609	0.322660593	TSNAX	turquoise	-0.14043	0.493816
ARL17A	turquoise	0.492664	0.010559	CRTAP	tan	0.201963324	0.312383307	GALNS	turquoise	-0.14038	0.493981
DDX41	turquoise	-0.48589	0.011851	ASPHD2	tan	0.202541177	0.3109771453	C11orf80	turquoise	-0.13991	0.495444
CRCP	turquoise	0.465423	0.016574	ARCN1	tan	0.204898286	0.305253401	MGLL	turquoise	-0.13934	0.497203
PARP2	turquoise	-0.45496	0.019529	ABI1	tan	0.209028729	0.295392455	ELAC1	turquoise	-0.13931	0.497321
FLVCR1	turquoise	-0.44528	0.022634	C12orf29	tan	0.209832902	0.293496151	MRE11A	turquoise	-0.13922	0.497584
ARRB1	turquoise	-0.43454	0.026535	PIGT	tan	0.21104752	0.29064655	GFM1	turquoise	-0.13905	0.498132
PVALB	turquoise	-0.428	0.029168	TMEM19	tan	0.21266176	0.28688653	CDKN2AIP	turquoise	-0.13896	0.498401
AGAP2	turquoise	-0.42207	0.03173	SSRP1	tan	0.214672672	0.282245863	DYNL2	turquoise	-0.13855	0.499694
ZSCAN18	turquoise	-0.42181	0.031845	WIPI1	tan	0.227576832	0.253609023	CDKN2AIPN	turquoise	-0.13848	0.49991
IFTS7	turquoise	-0.42168	0.031905	MEN1	tan	0.228259666	0.252148664	FAM177A1	turquoise	-0.13826	0.50058
KBTBD4	turquoise	-0.41998	0.032676	DPM2	tan	0.238547404	0.230812027	USP40	turquoise	-0.13727	0.503684
CIAPIN1	turquoise	-0.41929	0.032992	EIF2AK2	tan	0.253999236	0.201088624	DTD2	turquoise	-0.13723	0.503806
PZRY12	turquoise	-0.41879	0.033222	SIDT2	tan	0.256478346	0.196576152	PDCD11	turquoise	-0.1369	0.50484
MSC	turquoise	-0.40731	0.038899	SFTD2	tan	0.265818828	0.180201307	COP5A	turquoise	-0.1365	0.50611
TINM13	turquoise	-0.39935	0.043268	ESYT1	tan	0.273216436	0.167925986	TDP1	turquoise	-0.13641	0.506382
POLA1	turquoise	-0.39836	0.043834	CAPRIN2	tan	0.283101703	0.152459419	ACSL3	turquoise	-0.13639	0.506447
ZNF639	turquoise	-0.3953	0.045633	SMAD4	tan	0.283839663	0.151347097	PIGF	turquoise	-0.13609	0.507414
SGPP1	turquoise	0.393908	0.04647	EIF4G1	tan	0.285144346	0.149394773	AMACR	turquoise	-0.13599	0.507716
HTATSF1	turquoise	-0.38783	0.050268	PRPF31	tan	0.286876231	0.146831133	YAE1D1			

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

ABHD11	turquoise	-0.37635	0.058092	PPAP2B	tan	0.312488368	0.112526183	PUS7	turquoise	-0.13447	0.512523
ORAI2	turquoise	-0.37491	0.059137	TAB1	tan	0.3138588	0.110874707	STIM2	turquoise	-0.13433	0.512942
CGorf162	turquoise	-0.37444	0.059482	UBTF	tan	0.313917947	0.110803837	CCDC7	turquoise	-0.13377	0.514739
HSPA1A	turquoise	0.37444	0.059485	G6PC3	tan	0.323413793	0.099855434	FAM175A	turquoise	-0.13375	0.514788
CEP290	turquoise	-0.37321	0.060389	SLC29A1	tan	0.323905357	0.099311586	TSEN15	turquoise	-0.13357	0.515373
TF13	turquoise	-0.37022	0.062644	DCAF5	tan	0.326612302	0.096356374	VPS54	turquoise	-0.13326	0.516337
BTN3A1	turquoise	-0.37012	0.062719	LRRRC25	tan	0.328440344	0.094398347	EPB414A	turquoise	-0.13285	0.517663
SSH3	turquoise	-0.36952	0.063182	RPA1	tan	0.333950132	0.088677655	C20orf194	turquoise	-0.13272	0.518062
LDB1	turquoise	-0.36895	0.063624	RNF31	tan	0.334827136	0.087791814	ZNF383	turquoise	-0.13256	0.518561
NMB	turquoise	-0.36723	0.064965	MED18	tan	0.338600712	0.084056431	NOC3L	turquoise	-0.13253	0.518672
UBE2L6	turquoise	-0.36598	0.065951	MPI	tan	0.341645814	0.081131169	MFN1	turquoise	-0.13244	0.518945
ZMYND19	turquoise	-0.36457	0.06708	ZNF658	tan	0.344565562	0.078399763	ZNHIT3	turquoise	-0.13216	0.519856
NMI	turquoise	-0.35876	0.071893	NAGA	tan	0.347119218	0.076068896	UTP23	turquoise	-0.13214	0.51992
LRPAP1	turquoise	-0.35842	0.07218	PRR3	tan	0.348223327	0.075077695	HELB	turquoise	-0.1314	0.522277
ABHD14A	turquoise	-0.35789	0.072632	PIAS3	tan	0.349101981	0.074295988	IPO4	turquoise	-0.13119	0.522948
NIPSNAP1	turquoise	-0.3571	0.073309	TPRG1	tan	0.350683618	0.072904607	C1orf131	turquoise	-0.13119	0.522957
HFE	turquoise	-0.35616	0.074125	DPAGT1	tan	0.354068319	0.069994332	PTPLAD2	turquoise	-0.13107	0.523314
NDRG3	turquoise	-0.35181	0.077984	PPP1R21	tan	0.354731542	0.069434705	SLC27A1	turquoise	-0.13059	0.524857
MRPS28	turquoise	-0.35136	0.078392	IDH3G	tan	0.355627688	0.068684021	WBP4	turquoise	-0.12993	0.526968
NHLRC2	turquoise	-0.35109	0.078641	C11orf49	tan	0.356379375	0.068059186	C1orf63	turquoise	-0.12946	0.528484
MRP11	turquoise	-0.3498	0.079817	FAM208A	tan	0.365667019	0.060695511	PWP2	turquoise	-0.12941	0.52866
UQCRR	turquoise	-0.34885	0.080695	RAB2B	tan	0.378345666	0.051660968	TMEM70	turquoise	-0.12926	0.529137
ZWILCH	turquoise	-0.348	0.081485	RTF1	tan	0.378931827	0.051270375	ARL2BP	turquoise	-0.12916	0.52945
SEC16B	turquoise	-0.34766	0.081808	HDLBP	tan	0.380611469	0.050163967	RAB28	turquoise	-0.12915	0.529469
PLAC8	turquoise	-0.3475	0.081961	KPNA6	tan	0.390559059	0.043990825	NAA20	turquoise	-0.12901	0.529925
RPL13A	turquoise	-0.34708	0.082356	NABP2	tan	0.399989135	0.038709799	CHTOP	turquoise	-0.12889	0.530306
FAM168A	turquoise	-0.34568	0.083681	KAT7	tan	0.40023356	0.038579962	ZNF513	turquoise	-0.12887	0.53037
NAT1	turquoise	-0.34425	0.085054	YIF1B	tan	0.413695501	0.031947938	CYP20A1	turquoise	-0.12881	0.530579
UBE2W	turquoise	-0.34297	0.086294	TRMT10B	tan	0.423219176	0.027835433	ZNF398	turquoise	-0.12843	0.531788
ZNF688	turquoise	-0.34209	0.087159	MIIP	tan	0.441721172	0.021069746	SMG8	turquoise	-0.12822	0.532473
TM75F3	turquoise	-0.3403	0.088937	VAMP8	tan	0.443873584	0.020378686	HSCB	turquoise	-0.12796	0.533325
KIF3B	turquoise	-0.33666	0.092625	CD52	tan	0.447978904	0.019112026	EPC1	turquoise	-0.12794	0.533366
NIF3L1	turquoise	-0.33654	0.092749	SLCSA6	tan	0.47197066	0.012935144	SFR1	turquoise	-0.12784	0.533717
MRPL54	turquoise	-0.33545	0.093876	COG1	tan	0.482672848	0.010772321	HMBXO1	turquoise	-0.12775	0.53398
ATG5	turquoise	-0.33464	0.094719	TMEM106C	tan	0.527729162	0.00466899	SCYL2	turquoise	-0.12772	0.534095
CDK1	turquoise	-0.33366	0.095751	UNG	tan	0.563346068	0.002215598	POLR3B	turquoise	-0.12764	0.534358
FAM53B	turquoise	-0.33242	0.097068	ARRDC4	turquoise	-0.575510033	0.001684686	DNAA4	turquoise	-0.12731	0.535421
TAZ	turquoise	-0.3324	0.09709	HELQ	turquoise	-0.552747816	0.002789557	FAM219B	turquoise	-0.12708	0.536163
ATP5O	turquoise	-0.33196	0.097567	DDX41	turquoise	-0.544941386	0.003289769	TOMM70A	turquoise	-0.12669	0.537429
GPR133	turquoise	0.331554	0.097997	MTX3	turquoise	-0.531331633	0.00434558	SLC17A9	turquoise	-0.1266	0.537718
SP1	turquoise	-0.3301	0.099571	ZNF131	turquoise	-0.525614609	0.004868171	HAUS2	turquoise	-0.12658	0.537765
UFSP2	turquoise	-0.32953	0.100195	HAUS8	turquoise	-0.51713543	0.005740875	LINC00493	turquoise	-0.1263	0.538675
PRR11	turquoise	-0.32897	0.100809	LOC731275	turquoise	-0.515558523	0.005916953	PRKAA1	turquoise	-0.12624	0.538881
SNRNP	turquoise	-0.32851	0.101305	GTPBP8	turquoise	-0.504844886	0.007238305	EFHA1	turquoise	-0.12601	0.539631
ACTR6	turquoise	-0.32769	0.102217	CCNH	turquoise	-0.502344164	0.00758011	C17orf70	turquoise	-0.12599	0.5397
PCNA	turquoise	-0.32745	0.102481	RANBP2	turquoise	-0.4925132	0.009058313	DDX47	turquoise	-0.12586	0.540102
CHCHD4	turquoise	-0.32346	0.106983	WIBG	turquoise	-0.491641592	0.009200273	SLCO2B1	turquoise	-0.12558	0.541024
MRPL16	turquoise	-0.32255	0.108037	PLEKHG2	turquoise	-0.483338949	0.010648345	GPCPD1	turquoise	-0.12532	0.541858
CMC4	turquoise	-0.32186	0.108828	WWP1	turquoise	-0.475486826	0.012188034	ZFP106	turquoise	-0.12464	0.544089
NMNA1	turquoise	-0.32158	0.109164	C1orf198	turquoise	-0.471829048	0.012966011	AHR	turquoise	-0.12455	0.544368
SCARNA16	turquoise	-0.32011	0.110884	PPP1CC	turquoise	-0.470847854	0.01318157	NR2C1	turquoise	-0.12406	0.54598
TMEM42	turquoise	-0.31837	0.112949	RINT1	turquoise	-0.469474239	0.013488323	RHOBTB3	turquoise	-0.12404	0.546043
LACTB	turquoise	-0.31348	0.118897	TMEM106B	turquoise	-0.464788007	0.014579702	ID2	turquoise	-0.124	0.546152
SOC3S	turquoise	-0.31289	0.119629	SOS2	turquoise	-0.464274906	0.01470351	C20orf94	turquoise	-0.12399	0.546186
XPNPEP1	turquoise	-0.31271	0.119851	ITGB8	turquoise	-0.459780481	0.015825583	TRIM44	turquoise	-0.1238	0.546812
ER12	turquoise	-0.31234	0.120316	BCL7B	turquoise	-0.459528595	0.015890505	CORO1C	turquoise	-0.12368	0.547217
ITFG3	turquoise	-0.31222	0.120465	VPS37C	turquoise	-0.457360931	0.016458305	SPATA7	turquoise	-0.12367	0.547238
GC2	turquoise	-0.311	0.121998	FAM53B	turquoise	-0.453176286	0.017601742	DENR	turquoise	-0.12353	0.547689
RNPEP	turquoise	-0.31039	0.122767	PEX19	turquoise	-0.452518993	0.01778714	IDNK	turquoise	-0.12311	0.549078
STK36	turquoise	-0.31022	0.12298	PIK3CA	turquoise	-0.451923311	0.017956543	INDK	turquoise	-0.12265	0.550571
XAF1	turquoise	-0.30946	0.123954	IL13RA1	turquoise	-0.442634607	0.020774173	VOPP1	turquoise	-0.12248	0.551132
GALNS	turquoise	-0.3083	0.125449	GORASP2	turquoise	-0.441774821	0.021052292	AP3D1	turquoise	-0.12245	0.551229
ZNF823	turquoise	-0.30817	0.125614	SUCLA2	turquoise	-0.440169318	0.021579776	XRN1	turquoise	-0.12244	0.551275
CCDC86	turquoise	-0.30741	0.126591	XPO4	turquoise	-0.437780596	0.022384512	CISD2	turquoise	-0.12205	0.552554
SMC4	turquoise	-0.3073	0.126743	MSI2	turquoise	-0.433526705	0.023878126	COPB1	turquoise	-0.12192	0.552968
UBE3C	turquoise	-0.30721	0.126849	RXRA	turquoise	-0.430386463	0.025031929	GLYR1	turquoise	-0.12189	0.553056
ANP32E	turquoise	-0.30598	0.128466	NOP2	turquoise	-0.425271123	0.027008064	PTEN	turquoise	-0.12169	0.553717
LGALS8	turquoise	-0.30547	0.129128	DUT	turquoise	-0.421175148	0.028679869	DAP3	turquoise	-0.12161	0.554
GPR160	turquoise	-0.30451	0.130404	ARP3	turquoise	-0.421003983	0.028751509	ADI1	turquoise	-0.12157	0.554114
DNAI1C1	turquoise	-0.3044	0.130546	DR1	turquoise	-0.420422836	0.028995827	SNX13	turquoise	-0.12131	0.554964
GHDG	turquoise	0.303777	0.131377	MMADHC	turquoise	-0.416775067	0.030567914	DEK	turquoise	-0.121	0.555974
HAT1	turquoise	-0.30267	0.132863	CDC73	turquoise	-0.416733397	0.030586261	SYF2	turquoise	-0.12094	0.556202
ANKRD26	turquoise	-0.30245	0.133159	METTL2A	turquoise	-0.416379794	0.03074231	IGBP1	turquoise	-0.12087	0.556405
GSMT2	turquoise	-0.30138	0.1346	ARNTL2	turquoise	-0.415261838	0.031239898	MCTS1	turquoise	-0.12078	0.556719
RAB11FIP4	turquoise	-0.30118	0.134879	ZMI22	turquoise	-0.414793078	0.031450457	RNF213	turquoise	-0.12077	0.556754
ZNF436	turquoise	-0.30061	0.135654	MT1M	turquoise	-0.414565251	0.031553204	MDM2	turquoise	-0.12076	0.556767
GSTK1	turquoise	-0.29723	0.140312	MS4A14	turquoise	-0.414213594	0.031712328	POLR2B	turquoise	-0.12057	0.557401
STK4	turquoise	-0.29701	0.140625	MAN2C1	turquoise	-0.410862207	0.033261433	CEBP2	turquoise	-0.11989	0.559637
DHFR	turquoise	-0.29689	0.140789	PWWP2A	turquoise	-0.407088663	0.035077758	C15orf37	turquoise	-0.11963	0.560491
TMEM205	turquoise	-0.29682	0.140886	SREK1	turquoise	-0.405759502	0.035736118	BLHM	turquoise	-0.11933	0.561484
SCYL3	turquoise	-0.29663	0.141116	SRF	turquoise	-0.400914625	0.038220018	FER	turquoise	-0.11921	0.561893
C14orf101	turquoise	-0.29607	0.141953	LBX2-AS1	turquoise	-0.400576336	0.038398468	ACTR10	turquoise	-0.11903	0.562482
HMB5	turquoise	-0.29576	0.142383	LPP	turquoise	-0.400234496	0.038579466	GINM1	turquoise	-0.11893	0.562827
PAAF1	turquoise	-0.29546	0.142812	LRRRC8B	turquoise	-0.399106003	0.039181815	EIF5	turquoise	-0.11885	0.563082
ITGB2	turquoise	-0.29495	0.143535	PTPN1	turquoise	-0.396071272	0.040838866	RM11	turquoise	-0.11873	0.563486
BCKDHA	turquoise	-0.2947	0.143885	NOL11	turquoise	-0.395980224	0.040889428	SNORA75	turquoise	-0.1187	0.563595
CAAP1	turquoise	-0.29354	0.145541	TMEM113	turquoise	-0.395008096	0.041432392	SCFD1	turquoise	-0.11858	0.563969
SCARNA9	turquoise	0.292201	0.147478	CD302	turquoise	-0.392827027	0.042671433	S1PR4	turquoise	-0.11849	0.564277
JC1005064	turquoise	0.292085	0.147647	FLVCR1	turquoise	-0.392415169	0.042908669	TMEM180	turquoise	-0.11848	0.564313
JC1001909	turquoise	0.291659	0.148266	EXOC2	turquoise	-0.391883946	0.043216205	C3orf14	turquoise	-0.11837	0.56468
C4orf29	turquoise	-0.29097	0.149265	ME2	turquoise	-0.391658504	0.043347245	AGPAT5	turquoise	-0.11835	0.564736
C15orf39	turquoise	-0.2908	0.149517	FOCAD	turquoise	-0.391624731	0.043366903	ZFYVE28	turquoise	-0.11832	0.564827
NAP1L4	turquoise	-0.29015	0.150479	ZNF570	turquoise	-0.390595274	0.043969506	C5orf28	turquoise	-0.11829	0.564924

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

C1Sorf40	turquoise	-0.28403	0.15966	POLM	turquoise	-0.381100478	0.049845404	ZNF227	turquoise	-0.11695	0.569382
RWD03	turquoise	-0.28395	0.15978	CHERP	turquoise	-0.380835108	0.05001808	TMA16	turquoise	-0.11683	0.569785
SFPQ	turquoise	0.283554	0.160395	SH2B1	turquoise	-0.379914575	0.050620721	AKT1S1	turquoise	-0.11648	0.570957
FXN	turquoise	-0.28324	0.16088	AMN1	turquoise	-0.379535089	0.050870812	UBE4B	turquoise	-0.11636	0.57136
HAU52	turquoise	-0.28322	0.160906	KATNAL1	turquoise	-0.378368094	0.05164598	SEPT7P2	turquoise	-0.11634	0.571424
RPPH1	turquoise	-0.28098	0.164383	ST13	turquoise	-0.378057884	0.051853586	AIDA	turquoise	-0.11607	0.572313
FBX048	turquoise	-0.28054	0.165073	EVI2B	turquoise	-0.376553781	0.052869503	CACYBP	turquoise	-0.11588	0.572952
GOLGA1	turquoise	-0.28051	0.165122	DDX46	turquoise	-0.375268994	0.053749586	GTF2H3	turquoise	-0.11576	0.573332
TLR7	turquoise	-0.28035	0.165375	ZDHHC2	turquoise	-0.373960295	0.054657804	APOBEC3C	turquoise	-0.11549	0.574253
MAFK	turquoise	0.28014	0.165708	SLC9A3R1	turquoise	-0.372818797	0.054549751	ACAT1	turquoise	-0.11518	0.575282
UTP18	turquoise	-0.27975	0.166316	PRR12	turquoise	-0.371059896	0.05671342	SMC2	turquoise	-0.1147	0.576872
PLAC2	turquoise	-0.27938	0.166905	FAM89B	turquoise	-0.37028313	0.057274059	NAF1	turquoise	-0.11462	0.57714
WDR60	turquoise	-0.27932	0.167002	ACTR6	turquoise	-0.369177118	0.058079784	BTNA1	turquoise	-0.11432	0.578155
SEC23B	turquoise	-0.27923	0.167151	RNF8	turquoise	-0.368106837	0.058867866	NUP35	turquoise	-0.11429	0.578246
WDR44	turquoise	-0.27915	0.167268	MYO1G	turquoise	-0.367945151	0.058987641	EAPP	turquoise	-0.11425	0.578374
TFAM	turquoise	-0.27904	0.167447	FGFR10P	turquoise	-0.366769391	0.059864348	WANSK7	turquoise	-0.11387	0.579654
ITFG1	turquoise	-0.27876	0.167887	FASTKD1	turquoise	-0.364800874	0.061354834	ANKRD26	turquoise	-0.11353	0.580811
COP57A	turquoise	-0.27743	0.170008	PMS1	turquoise	-0.363930345	0.062023088	MPST	turquoise	-0.11327	0.581668
MAGOHB	turquoise	0.277302	0.170218	HPS1	turquoise	-0.363290162	0.062518113	AKAP9	turquoise	-0.11322	0.581849
MGLL	turquoise	-0.27699	0.170727	CLIP4	turquoise	-0.36317239	0.062609513	ATPAF1	turquoise	-0.11317	0.581995
C11orf80	turquoise	-0.27685	0.170947	MOB3A	turquoise	-0.362593261	0.063060474	FCF1	turquoise	-0.11299	0.582608
TUBGCP5	turquoise	-0.27591	0.172463	PPP2R5A	turquoise	-0.36239946	0.063211946	TMEM86A	turquoise	-0.11281	0.583226
NLN	turquoise	-0.27563	0.172911	GRIPAP1	turquoise	-0.360487168	0.064721731	ZNF766	turquoise	-0.11267	0.583703
SLC20A2	turquoise	-0.27562	0.172936	PMPEP1	turquoise	-0.359142269	0.065800162	OSBPL9	turquoise	-0.11255	0.584107
TMEM126E	turquoise	-0.27496	0.17401	LYPLA1	turquoise	-0.355665215	0.068652722	ZNF385A	turquoise	-0.11246	0.584387
PANK2	turquoise	-0.27418	0.175277	MRPL3	turquoise	-0.355314108	0.068945986	TMEM41B	turquoise	-0.11236	0.584721
IGHMBP2	turquoise	-0.27365	0.176144	TTCT1B	turquoise	-0.354997386	0.069211356	NDUF86	turquoise	-0.11235	0.584764
PIK3R4	turquoise	-0.27358	0.176271	LYRM4	turquoise	-0.352193044	0.071595489	SNX14	turquoise	-0.11232	0.584884
RNH1	turquoise	-0.27282	0.177511	DEC1	turquoise	-0.349685576	0.073780244	FOXK1	turquoise	-0.11227	0.585038
SNHG16	turquoise	-0.27251	0.17803	CP5F2	turquoise	-0.349602992	0.07385306	RNF219	turquoise	-0.11213	0.5855
EXOC6	turquoise	-0.2717	0.179379	UBE2E3	turquoise	-0.34909085	0.074305833	GTF2H1	turquoise	-0.11201	0.585909
GPAM	turquoise	-0.27109	0.18039	PAIP2	turquoise	-0.346318726	0.076793769	PGRMC2	turquoise	-0.11192	0.586219
DC1005069	turquoise	-0.27011	0.18203	MTERF	turquoise	-0.345997106	0.07708649	PCNA	turquoise	-0.11168	0.587015
TUFM	turquoise	-0.2699	0.182379	MDC1	turquoise	-0.345985974	0.077096637	ZNF121	turquoise	-0.11162	0.587227
AMIGO3	turquoise	0.269133	0.18368	ELMO1	turquoise	-0.344661354	0.078311356	RARG	turquoise	-0.11146	0.58778
FBXW8	turquoise	-0.26893	0.18402	TUBD1	turquoise	-0.342605025	0.080225958	DHX40	turquoise	-0.1113	0.588293
MED27	turquoise	-0.26739	0.186651	HDFGRP2	turquoise	-0.340434429	0.082285446	PHAX	turquoise	-0.11122	0.58856
C2orf68	turquoise	-0.26734	0.18673	BLZF1	turquoise	-0.340310222	0.082404501	FAM45A	turquoise	-0.11112	0.588647
MPHOSPH8	turquoise	-0.26723	0.186912	UFM1	turquoise	-0.33872578	0.08393473	TMEM209	turquoise	-0.11077	0.590094
ZNF271	turquoise	0.26723	0.186919	DHX37	turquoise	-0.338229224	0.08441871	AMOTL1	turquoise	-0.11073	0.590235
VPS35	turquoise	-0.26722	0.186935	GOLGB1	turquoise	-0.337676933	0.084959498	FUNIN	turquoise	-0.11066	0.590459
SMC2	turquoise	-0.26696	0.187386	CDC42BPB	turquoise	-0.337068218	0.085558576	GNPDA2	turquoise	-0.11062	0.590601
PI4KB2	turquoise	-0.26692	0.187455	PHRF1	turquoise	-0.336952308	0.085673013	DHTKD1	turquoise	-0.11052	0.590939
ING2	turquoise	-0.26635	0.188425	ADRBK2	turquoise	-0.336864888	0.085759399	RBL1	turquoise	-0.11048	0.591062
ZCRB1	turquoise	-0.26599	0.189054	SERPINB1	turquoise	-0.336630096	0.08599174	TRIO	turquoise	-0.1102	0.592014
NDUFAB8	turquoise	-0.26538	0.190103	UBE3C	turquoise	-0.335774718	0.086842229	TRABD	turquoise	-0.11014	0.592233
LOC440944	turquoise	-0.26501	0.190746	RENBP	turquoise	-0.335262252	0.087354807	RBM8A	turquoise	-0.10903	0.595979
CPE	turquoise	-0.26431	0.191961	PCBD2	turquoise	-0.334258885	0.088365024	POT1	turquoise	-0.10901	0.596045
CD2	turquoise	-0.26371	0.193007	BTF3L4	turquoise	-0.334097346	0.088528488	ZC3H3	turquoise	-0.1089	0.596423
FBX04	turquoise	-0.26345	0.193477	ZNF746	turquoise	-0.333836634	0.088792789	ZDHHC8	turquoise	-0.1087	0.597108
TPCN2	turquoise	-0.26336	0.193618	TRPCAP	turquoise	-0.332836405	0.089812325	FAM13B	turquoise	-0.10831	0.598426
C1orf131	turquoise	-0.26316	0.19397	PHKB	turquoise	-0.332259138	0.090404744	PSMG1	turquoise	-0.10793	0.599703
RPRD2	turquoise	-0.26278	0.194645	INF2	turquoise	-0.331093741	0.091609715	PDFN1	turquoise	-0.10792	0.599751
PBXIP1	turquoise	-0.26142	0.197059	DYNLL1	turquoise	-0.33017697	0.092566095	GOLGA4	turquoise	-0.10792	0.599755
IFNAR1	turquoise	-0.26065	0.198426	HIST1H4F	turquoise	-0.329839952	0.092919558	HAT1	turquoise	-0.10782	0.600092
CDK11	turquoise	-0.26046	0.198769	ZNF35	turquoise	-0.329711247	0.093054812	SPOPL	turquoise	-0.10754	0.601031
ADAP1	turquoise	-0.25989	0.199787	ZNF394	turquoise	-0.329543628	0.093231181	KRAS	turquoise	-0.10743	0.601411
IQCC	turquoise	-0.25938	0.200697	FAM179B	turquoise	-0.329409438	0.093372557	EP515	turquoise	-0.10741	0.601497
LOC550643	turquoise	-0.25878	0.201775	NOL9	turquoise	-0.328558395	0.094272937	SENP6	turquoise	-0.1072	0.602197
ATPB04	turquoise	-0.25872	0.201882	LRRC37BP1	turquoise	-0.32843186	0.094407364	LPCHAT2	turquoise	-0.10707	0.60264
POLR2J	turquoise	-0.258	0.20319	ARL2	turquoise	-0.327788728	0.095092834	SHOC2	turquoise	-0.10677	0.603667
TNFSF12	turquoise	-0.25741	0.204269	GTF2F2	turquoise	-0.326209465	0.096791924	CEP72	turquoise	-0.10676	0.603688
SLC25A36	turquoise	-0.25735	0.20436	ZBTB38	turquoise	-0.326031709	0.096984584	PAXIP1	turquoise	-0.10657	0.604336
FAM177A1	turquoise	-0.25705	0.204913	ZUFSP	turquoise	-0.325685624	0.097360514	HYOU1	turquoise	-0.10622	0.605535
SLC7A5	turquoise	0.256531	0.205863	KIAA2026	turquoise	-0.325482819	0.097581314	DMTF1	turquoise	-0.10616	0.605752
FAM89B	turquoise	-0.25653	0.205871	KIAA1551	turquoise	-0.325421512	0.097648134	SKAP2	turquoise	-0.10615	0.605797
LLGL1	turquoise	-0.25628	0.206328	PHLDA3	turquoise	-0.325000349	0.098108104	SRPK2	turquoise	-0.10598	0.60636
UQCRR	turquoise	-0.25552	0.207712	TMEM109	turquoise	-0.324671513	0.098468367	SMIM4	turquoise	-0.10562	0.60759
TSPAN14	turquoise	-0.25533	0.208067	PDZD11	turquoise	-0.324330452	0.098843068	METTL6	turquoise	-0.10559	0.607711
DDY23	turquoise	-0.25524	0.208238	WAS	turquoise	-0.324209006	0.098886583	TTCl9	turquoise	-0.10555	0.607818
ANKS1A	turquoise	-0.25489	0.208888	RBM45	turquoise	-0.323600107	0.099649042	GOLGA1	turquoise	-0.10555	0.607821
NAE1	turquoise	-0.25488	0.208902	HNRPLL	turquoise	-0.323349828	0.099926366	NUP107	turquoise	-0.10517	0.609141
CAPZA2	turquoise	-0.25451	0.209583	LOC728407	turquoise	-0.323345443	0.099931231	CWF19L2	turquoise	-0.10515	0.609184
MSH3	turquoise	-0.25346	0.211536	LIAS	turquoise	-0.323020876	0.100291744	BSDC1	turquoise	-0.10471	0.610694
LAMP2	turquoise	-0.25318	0.212053	PRR11	turquoise	-0.32257385	0.100789869	MGAT2	turquoise	-0.1047	0.610757
FBX05	turquoise	0.253148	0.212117	WDSUB1	turquoise	-0.321705484	0.10176278	DYRK1A	turquoise	-0.10465	0.610918
XRN1	turquoise	-0.25305	0.212299	SLC30A5	turquoise	-0.320678774	0.10292213	GNA11	turquoise	-0.1046	0.611077
DDX46	turquoise	-0.2523	0.213712	UTRN	turquoise	-0.320424342	0.10321095	HELZ	turquoise	-0.10448	0.611481
RPRD1A	turquoise	-0.25224	0.213825	USP10	turquoise	-0.320025063	0.103665412	POR	turquoise	-0.1042	0.612454
PGAM5	turquoise	-0.25196	0.214343	TRIQK	turquoise	-0.319916852	0.103788835	KDEL3	turquoise	-0.10385	0.613645
GBAS	turquoise	-0.25193	0.214393	MRPL30	turquoise	-0.319597441	0.104153786	TSR1	turquoise	-0.10369	0.614209
SNRPC	turquoise	-0.25185	0.21454	ZMPSTE24	turquoise	-0.318516518	0.10539592	ARSB	turquoise	-0.10329	0.61559
ABCC5	turquoise	-0.25183	0.21458	C6orf162	turquoise	-0.318237083	0.105718818	TAI2	turquoise	-0.10295	0.616762
GRIPAP1	turquoise	-0.25089	0.216366	TCF25	turquoise	-0.318017837	0.105972679	ANAPC4	turquoise	-0.10288	0.616981
MLPH	turquoise	-0.25009	0.21788	CKS1B	turquoise	-0.317786583	0.106240936	TADA2B	turquoise	-0.10261	0.617924
MTM1	turquoise	-0.24969	0.21863	PPIP5K2	turquoise	-0.314388248	0.110241515	C5orf15	turquoise	-0.10253	0.618208
SEC22A	turquoise	-0.24943	0.219135	P4HB	turquoise	-0.313597455	0.111188254	HSPB1	turquoise	-0.10248	0.618381
MPEG1	turquoise	-0.24919	0.219598	ZNF623	turquoise	-0.313046151	0.11185183	YIPF2	turquoise	-0.10211	0.619639
RBM34	turquoise	-0.24874	0.22045	ZNF764	turquoise	-0.311716915	0.113463808	CBX3	turquoise	-0.10204	0.619895
FAM118B	turquoise	-0.24855	0.220823	NAA15	turquoise	-0.311185087	0.114113548	RNF167	turquoise	-0.10162	0.621349
APKAPK5-A	turquoise	-0.24797	0.221935	MAPK7	turquoise	-0.310638867	0.114783727	ME3	turquoise	-0.1015	0.621761
SUGP2	turquoise	-0.24789	0.222095	VPS26A	turquoise	-0.310098676	0.115449362	HSP90B1	turquoise	-0.10145	0.621907
LACC1	turquoise	-0.24734	0.223155	DNAI2C4	turquoise	-0.309796344	0.115				

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

DND1	turquoise	-0.24439	0.228896	ATPBD4	turquoise	-0.30560592	0.121096173	CBLL1	turquoise	-0.09953	0.628577
METTL2A	turquoise	-0.2443	0.229077	C17orf62	turquoise	-0.305507275	0.12122239	ATP5F	turquoise	-0.09929	0.629392
MYCBP	turquoise	-0.24411	0.229435	AGPAT3	turquoise	-0.305382199	0.121382565	STT3B	turquoise	-0.09929	0.629412
USMG5	turquoise	-0.24378	0.23009	CSNK1G2	turquoise	-0.30364354	0.123625232	KATNB1	turquoise	-0.09914	0.629925
C3orf14	turquoise	-0.24371	0.230226	SUMF1	turquoise	-0.302524734	0.125084319	RDH11	turquoise	-0.09906	0.630208
CNTLN	turquoise	-0.2436	0.230458	DROSHA	turquoise	-0.301933971	0.125859823	GPSM3	turquoise	-0.09872	0.63136
BRX1	turquoise	-0.24352	0.230607	RHOQ	turquoise	-0.301726405	0.126133131	STK38L	turquoise	-0.09858	0.631844
GLMN	turquoise	-0.24314	0.23135	ZDHH8	turquoise	-0.301402154	0.126560948	GCSHP3	turquoise	-0.09845	0.632306
HDAC2	turquoise	-0.24306	0.231527	PLGRKT	turquoise	-0.299329336	0.129320904	GALC	turquoise	-0.09825	0.633024
FNBP4	turquoise	-0.24249	0.232647	UBR7	turquoise	-0.299156674	0.129552767	DUSP5	turquoise	-0.09817	0.633284
MGMT	turquoise	-0.24233	0.232957	FAM3B	turquoise	-0.298347622	0.130643253	LGALS8	turquoise	-0.09757	0.635372
MAZ	turquoise	-0.24195	0.233717	TCEANC2	turquoise	-0.298198447	0.130845047	PPP2R1B	turquoise	-0.09756	0.635393
EIF3M	turquoise	-0.2416	0.234428	USP15	turquoise	-0.298024209	0.131081031	ERBB2IP	turquoise	-0.09754	0.635467
HSCB	turquoise	-0.24135	0.234913	DDX24	turquoise	-0.296994244	0.132482323	TRIM25	turquoise	-0.09745	0.63579
SUMF1	turquoise	-0.24079	0.236039	DICER1	turquoise	-0.296486936	0.133176514	BMPR1A	turquoise	-0.09729	0.636366
MBIP	turquoise	-0.24056	0.236492	ARV1	turquoise	-0.296413415	0.133277338	FBXO30	turquoise	-0.0969	0.637706
CP5F2	turquoise	-0.2403	0.237015	COL8A2	turquoise	-0.295745817	0.134195393	NAIF1	turquoise	-0.09686	0.637863
KXD1	turquoise	0.240105	0.237417	DERA	turquoise	-0.294495052	0.135927733	KCTD2	turquoise	-0.09678	0.638137
ATPAF1	turquoise	-0.23987	0.237881	CWC15	turquoise	-0.293585825	0.137197164	PTRPM	turquoise	-0.09674	0.638269
IGBP1	turquoise	-0.23978	0.23807	ADNP	turquoise	-0.293527496	0.137278893	PACS1	turquoise	-0.0966	0.638746
C10orf54	turquoise	-0.23908	0.239481	NSL1	turquoise	-0.290866041	0.141045621	HYPK	turquoise	-0.09652	0.639038
CWC15	turquoise	-0.23876	0.240135	NDUFAF1	turquoise	-0.290299557	0.141856886	EXOC1	turquoise	-0.09645	0.63928
PIK3C3	turquoise	-0.23801	0.241658	ALAS1	turquoise	-0.289956669	0.14234957	WRN	turquoise	-0.09576	0.641701
NZF385A	turquoise	-0.23791	0.241862	TFAM	turquoise	-0.288024434	0.145148992	NFYB	turquoise	-0.09544	0.64281
FAM45A	turquoise	-0.23782	0.242044	DYRK1A	turquoise	-0.287023902	0.146614012	ZFP161	turquoise	-0.09535	0.643124
SLK	turquoise	-0.23748	0.242748	SP TAN1	turquoise	-0.286630419	0.147193064	ERGC2	turquoise	-0.09519	0.643696
VAMP7	turquoise	-0.23725	0.243218	H2AFY	turquoise	-0.285828532	0.148378198	ZC3H4	turquoise	-0.09514	0.643865
CCP110	turquoise	-0.23709	0.243538	ATG5	turquoise	-0.285616624	0.148692524	OSGEP11	turquoise	-0.09512	0.643928
POP4	turquoise	-0.23646	0.244819	EIF4E	turquoise	-0.285302044	0.149160022	ACBD6	turquoise	-0.09502	0.644271
ANLN	turquoise	-0.23628	0.245208	SH2B2	turquoise	-0.284780087	0.149938025	EARS2	turquoise	-0.09494	0.644567
MOV10	turquoise	-0.23605	0.24567	TIRAP	turquoise	-0.284278824	0.150687912	RB1CC2	turquoise	-0.09486	0.644845
C7orf23	turquoise	-0.23552	0.246771	CEPT1	turquoise	-0.284021162	0.151074416	CIRH1A	turquoise	-0.09462	0.645672
TRIM27	turquoise	-0.23547	0.246867	SLC35F5	turquoise	-0.283362847	0.152065133	MDM1	turquoise	-0.09461	0.645715
CRIP2	turquoise	-0.23471	0.248436	PUS7	turquoise	-0.283151181	0.152384658	EHMT2	turquoise	-0.0941	0.647516
C8orf59	turquoise	-0.23456	0.248763	ARAF	turquoise	-0.28121097	0.15533592	RLF	turquoise	-0.09299	0.651407
NTMT1	turquoise	-0.23403	0.249862	C18orf32	turquoise	-0.280999766	0.155659622	EXOC5	turquoise	-0.09288	0.651774
FADD	turquoise	-0.234	0.249927	CDK7	turquoise	-0.280952059	0.155732807	SMEK1	turquoise	-0.09253	0.653001
IDH1	turquoise	-0.23337	0.25123	RAB14	turquoise	-0.280600884	0.156272281	ZNF76	turquoise	-0.09251	0.653079
SCYL1	turquoise	-0.23336	0.251242	ZNF513	turquoise	-0.280349505	0.156659265	PMM2	turquoise	-0.0924	0.653472
SLC25A24	turquoise	-0.23315	0.251696	SAT1	turquoise	-0.280251259	0.156810692	NIPA2	turquoise	-0.09226	0.653971
ANAPC4	turquoise	-0.23303	0.25195	MCM8	turquoise	-0.279299297	0.158283373	WBPS	turquoise	-0.09224	0.654021
SYF2	turquoise	-0.23241	0.25324	BCKDHA	turquoise	-0.279140005	0.158530753	POLH	turquoise	-0.0922	0.654179
PUS7L	turquoise	-0.23228	0.253516	SEPLG	turquoise	-0.278968332	0.158797668	ARID2	turquoise	-0.09205	0.654694
INTS10	turquoise	-0.23218	0.253728	TMEM65	turquoise	-0.278730277	0.159168321	DHX32	turquoise	-0.09198	0.654947
LIX1L	turquoise	-0.23214	0.253806	ZNF451	turquoise	-0.278481988	0.159555563	KIAA1107	turquoise	-0.09196	0.655011
METTL2B	turquoise	-0.23195	0.254217	ITGB5	turquoise	-0.277267024	0.161460113	CCT3	turquoise	-0.09165	0.65611
RAD51C	turquoise	-0.2319	0.254321	NR2F6	turquoise	-0.277201977	0.161562531	RF3	turquoise	-0.0912	0.657691
PCIF1	turquoise	-0.23178	0.254577	AP2B1	turquoise	-0.276575082	0.162551956	TMEM165	turquoise	-0.09099	0.658429
IGF1R	turquoise	-0.23177	0.254593	NCOR1	turquoise	-0.275675177	0.163979758	CTBP2	turquoise	-0.0907	0.659452
CORO7	turquoise	-0.23164	0.25487	TNFAIP1	turquoise	-0.275301295	0.164575564	NUDT15	turquoise	-0.0907	0.659461
SLC39A7	turquoise	0.23154	0.255072	SEPS5C	turquoise	-0.275028614	0.165011063	APC	turquoise	-0.09064	0.659697
SLC9A8	turquoise	-0.23139	0.255381	LIMA1	turquoise	-0.273565784	0.167361249	ZNF292	turquoise	-0.09053	0.660064
FAM160B1	turquoise	-0.23128	0.255623	FBXW8	turquoise	-0.273044538	0.168204359	PLS3	turquoise	-0.0905	0.660166
KIAA0528	turquoise	-0.23121	0.255766	RNF216P1	turquoise	-0.272548857	0.169008888	AASDHPPT	turquoise	-0.09025	0.661052
FUOM	turquoise	-0.23027	0.257766	RBM14	turquoise	-0.270549922	0.1722808	SH3BP2	turquoise	-0.09013	0.661483
ITGB5	turquoise	-0.23022	0.257876	RNF219	turquoise	-0.27025009	0.172775381	TEKT4R1	turquoise	-0.0901	0.661606
C5orf28	turquoise	-0.22991	0.258537	OGFR	turquoise	-0.270059627	0.173090072	TMEM126A	turquoise	-0.08967	0.663111
HSPB11	turquoise	-0.22987	0.258604	LACC1	turquoise	-0.269963518	0.173249019	BCAP29	turquoise	-0.08966	0.663163
GPCPD1	turquoise	-0.22966	0.259056	CDC6	turquoise	-0.269420843	0.174148431	PITPNA	turquoise	-0.08963	0.663238
EXOSC5	turquoise	-0.22964	0.259104	SUMO1	turquoise	-0.268178494	0.176219768	IDH1	turquoise	-0.08961	0.663337
ZNF451	turquoise	-0.22942	0.259571	TFE1	turquoise	-0.267896121	0.176692956	ERP4A	turquoise	-0.0893	0.664408
CDC27	turquoise	-0.22942	0.259582	MARCKS	turquoise	-0.267244917	0.177787597	ARG2	turquoise	-0.08902	0.665426
SEH1L	turquoise	-0.22938	0.259648	FHD01	turquoise	-0.266766838	0.178594233	STXB2	turquoise	-0.08901	0.665445
COX16	turquoise	-0.22894	0.26059	CAMTA1	turquoise	-0.266689833	0.178724398	FYB	turquoise	-0.08834	0.667839
ZNF576	turquoise	-0.2288	0.260898	IDE	turquoise	-0.26639802	0.179218263	ATP9B	turquoise	-0.08822	0.668246
OTUD3	turquoise	0.228183	0.262221	C7orf23	turquoise	-0.266234075	0.179496141	TXNIP	turquoise	-0.08805	0.66886
AHSA2	turquoise	-0.228	0.262612	SSB	turquoise	-0.265419143	0.180881868	SNB01	turquoise	-0.08789	0.669437
NDUFA5	turquoise	-0.22724	0.264256	UBE2B	turquoise	-0.265264065	0.181146409	LLPH	turquoise	-0.08751	0.670791
SIRP	turquoise	-0.22686	0.26507	SLC4A8	turquoise	-0.265258541	0.181155836	SKP1	turquoise	-0.08742	0.671099
B3GALT6	turquoise	-0.22647	0.265924	ERBB2IP	turquoise	-0.26477183	0.181987871	TRAFD1	turquoise	-0.08705	0.672427
HARS2	turquoise	-0.22616	0.266589	MDM2	turquoise	-0.264512359	0.182432524	LOC72873C	turquoise	-0.08672	0.673569
UBXN2B	turquoise	-0.22602	0.266903	STRAP	turquoise	-0.264337002	0.182733459	IRF2	turquoise	-0.08637	0.67483
CENPN	turquoise	-0.22597	0.267013	POLR2M	turquoise	-0.264192519	0.182981669	KLHL9	turquoise	-0.08629	0.6751
FOXO1	turquoise	-0.22539	0.268265	NTMT1	turquoise	-0.263633148	0.184065615	BTN3A3	turquoise	-0.08616	0.675595
DTWD1	turquoise	-0.22538	0.26829	UVELD	turquoise	-0.263499494	0.184175492	ERI1	turquoise	-0.08615	0.675622
THAP6	turquoise	-0.22516	0.268758	CGRRF1	turquoise	-0.2627899	0.185403454	RABEP1	turquoise	-0.08603	0.676027
SPRY2	turquoise	-0.2249	0.269324	BAD	turquoise	-0.262763969	0.185448434	NME4	turquoise	-0.08581	0.676837
LILRB1	turquoise	0.22473	0.269706	USP53	turquoise	-0.262667731	0.18561544	MAPK7	turquoise	-0.0858	0.676867
COG5	turquoise	-0.22451	0.270196	FTSJ1	turquoise	-0.26219303	0.186440734	AIM1	turquoise	-0.08541	0.67827
VP526A	turquoise	-0.22445	0.270313	IFNAR1	turquoise	-0.261382418	0.187855903	AMZ1	turquoise	-0.08504	0.679563
LDHAL6B	turquoise	0.224346	0.270546	WBP4	turquoise	-0.260885114	0.188727771	PIAS2	turquoise	-0.08473	0.680673
AK1	turquoise	0.224277	0.270699	VRK2	turquoise	-0.259059324	0.191952723	PIR	turquoise	-0.08456	0.681299
TNIK	turquoise	0.223877	0.271577	XPO1	turquoise	-0.259010018	0.192040338	MBD4	turquoise	-0.08444	0.681731
OIC1A1	turquoise	-0.22374	0.271867	FYB	turquoise	-0.258966985	0.192116828	PTBP2	turquoise	-0.08442	0.681787
RNF146	turquoise	-0.22374	0.271888	CEBPD	turquoise	-0.258253701	0.19338774	BICD2	turquoise	-0.08428	0.682276
NDUFAF1	turquoise	-0.22259	0.274412	HBS1L	turquoise	-0.258028551	0.193790109	KLHL7	turquoise	-0.08401	0.683251
RGS10	turquoise	-0.2222	0.275286	RGS19	turquoise	-0.257966919	0.193900353	RAB30	turquoise	-0.08397	0.683405
C17orf58	turquoise	-0.22161	0.276577	ARHGFE5	turquoise	-0.25776632	0.19425947	LAMTOR3	turquoise	-0.0838	0.684022
OSGEP11	turquoise	-0.22157	0.276669	LOC728377	turquoise	-0.257573268	0.19460551	SLC35A5	turquoise	-0.08258	0.688381
EMD	turquoise	-0.22134	0.277197	FOXK1	turquoise	-0.257056268	0.195534306	CNTLN	turquoise	-0.08252	0.688588
IQSEC2	turquoise	-0.2211	0.277733	NAP111	turquoise	-0.256437633	0.196649691	ZNF407	turquoise	-0.0825	0.688669
ZNF217	turquoise	-0.22068	0.278662	SSBP1	turquoise	-0.256023403	0.197398979	FES	turquoise	-0.08239	0.689069
ZNF788	turquoise	-0.22055	0.278957	SNX1	turquoise	-0.255776574	0.19784639	SF3B1L	turquoise	-0.0822	0.689748

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

LMNA	turquoise	0.218887	0.282682	LRRCC1	turquoise	-0.25140298	0.205889801	CAPN1	turquoise	-0.07974	0.698592
TESK1	turquoise	-0.21873	0.283029	LRP10	turquoise	-0.251370443	0.205950462	ROCK1	turquoise	-0.07974	0.698595
GNL2	turquoise	-0.21855	0.28345	EMR1	turquoise	-0.251219266	0.206232472	SLC25A43	turquoise	-0.07956	0.699235
DNAJC18	turquoise	-0.21841	0.283748	RAB11FIP2	turquoise	-0.250241023	0.208063677	CDC27	turquoise	-0.07888	0.701685
TRAK2	turquoise	-0.21835	0.283898	FAM173B	turquoise	-0.249552834	0.209358529	NUCB2	turquoise	-0.07886	0.701786
MRPL43	turquoise	-0.2181	0.284459	ADSL	turquoise	-0.249337651	0.209764525	MAN2C1	turquoise	-0.07859	0.702752
CCDC107	turquoise	-0.21794	0.284815	R3HDM2	turquoise	-0.248924434	0.21054566	TIMP3	turquoise	-0.07853	0.702979
DIAPH1	turquoise	-0.21791	0.28488	SF3A2	turquoise	-0.248907399	0.210577906	RNFT1	turquoise	-0.07848	0.703136
CENPW	turquoise	-0.21783	0.28507	DNAJC3	turquoise	-0.248302449	0.211725165	AZIN1	turquoise	-0.07844	0.70328
HERC29P	turquoise	-0.21691	0.287163	METT18	turquoise	-0.247865629	0.212556205	TAF9	turquoise	-0.07832	0.703706
NARG2	turquoise	-0.21632	0.288516	CENPC1	turquoise	-0.246990745	0.214227292	ST7	turquoise	-0.0781	0.704512
CENPB	turquoise	-0.21611	0.288987	UBE2W	turquoise	-0.245919682	0.216285171	KIAA0947	turquoise	-0.07792	0.705186
ORC6	turquoise	-0.21589	0.289498	VOPP1	turquoise	-0.244270391	0.219480061	RAP2B	turquoise	-0.07791	0.705202
TACC3	turquoise	-0.21571	0.289908	TMED4	turquoise	-0.243996211	0.220014249	PUS3	turquoise	-0.07719	0.707819
ZC3H3	turquoise	-0.21565	0.290038	GGPS1	turquoise	-0.24344466	0.221091489	ARL5A	turquoise	-0.07716	0.707926
FBP1	turquoise	-0.21528	0.290884	NUDT16	turquoise	-0.243334072	0.221307907	LOC643837	turquoise	-0.0769	0.70887
LRRRC40	turquoise	-0.21498	0.291581	SLC25A20	turquoise	-0.242669124	0.222612191	SLC4A7	turquoise	-0.07622	0.711326
TBL3	turquoise	-0.21493	0.291681	SLMO2	turquoise	-0.24261318	0.22272216	COIL	turquoise	-0.07521	0.714987
ZBTB25	turquoise	-0.21472	0.292164	SEC22A	turquoise	-0.242098512	0.223735546	ARFGEF1	turquoise	-0.07513	0.715295
RGP1	turquoise	-0.21443	0.292835	HSPB1	turquoise	-0.242061194	0.223809147	TNRC6C	turquoise	-0.07498	0.71583
SLC2A6	turquoise	-0.21416	0.293474	DPH2	turquoise	-0.241734695	0.224453771	MAP2K4	turquoise	-0.07496	0.71591
C3orf37	turquoise	-0.21325	0.295563	ACAP3	turquoise	-0.24167119	0.224579295	ZFYVE21	turquoise	-0.07477	0.71661
RFK	turquoise	-0.2132	0.295675	VPS35	turquoise	-0.241444495	0.22502777	ATG7	turquoise	-0.07476	0.716639
PPP2R3C	turquoise	-0.21297	0.296228	LFNG	turquoise	-0.240662523	0.226579367	NHLRC3	turquoise	-0.07462	0.717126
FES	turquoise	-0.21267	0.296906	RBM48	turquoise	-0.240632336	0.226639407	HSDL2	turquoise	-0.07452	0.717504
ABCC3	turquoise	-0.21259	0.297094	ZNF292	turquoise	-0.240435838	0.227030492	DNAJB4	turquoise	-0.07427	0.71842
PRPF6	turquoise	-0.21244	0.297445	GTF2H1	turquoise	-0.240395052	0.227111726	SLC25A36	turquoise	-0.07389	0.719787
PPP5K2	turquoise	-0.21224	0.297918	EXOC6	turquoise	-0.240258828	0.227383179	ICOS	turquoise	-0.07381	0.72008
MIR1307	turquoise	0.21218	0.298056	RAD17	turquoise	-0.240166462	0.22756736	CLK1	turquoise	-0.0737	0.720495
AASDHPPT	turquoise	-0.21189	0.298741	AIP	turquoise	-0.24014255	0.227615058	KLHL15	turquoise	-0.07363	0.720753
SLC12A4	turquoise	-0.21169	0.299195	TESK1	turquoise	-0.239887203	0.228124819	TWISTNB	turquoise	-0.07358	0.720924
FAM221A	turquoise	-0.21165	0.299304	PLEKHM3	turquoise	-0.239236758	0.229426779	MINA	turquoise	-0.07334	0.721797
PSMA4	turquoise	-0.21162	0.299369	DTX4	turquoise	-0.239104702	0.229691712	ATP5A1	turquoise	-0.07331	0.721895
TRMT13	turquoise	-0.21116	0.300435	KIAA1522	turquoise	-0.23799406	0.231927991	EXOC6	turquoise	-0.0732	0.722315
RPL19	turquoise	-0.21103	0.300734	ZBED5	turquoise	-0.237498827	0.232929803	ERO1L	turquoise	-0.07314	0.722541
ZDHC20	turquoise	-0.21041	0.302209	MCM3AP	turquoise	-0.237491065	0.232945527	SEPS5C5	turquoise	-0.07278	0.723837
C11orf74	turquoise	-0.21018	0.302732	FOXO1	turquoise	-0.237338837	0.233254063	RAD50	turquoise	-0.0721	0.726316
GLYR1	turquoise	-0.2099	0.30339	IKBP1	turquoise	-0.237255181	0.233423731	SNX16	turquoise	-0.07206	0.726461
TYK2	turquoise	-0.20966	0.303967	FAM160B1	turquoise	-0.23679822	0.234592887	CCNL1	turquoise	-0.07147	0.728638
RBM48	turquoise	-0.20929	0.304845	TP53INP2	turquoise	-0.235932969	0.236116323	SLC25A16	turquoise	-0.07125	0.729426
TRIQK	turquoise	-0.20897	0.305594	RANBP3	turquoise	-0.235103678	0.237815593	ZDHHC4	turquoise	-0.07119	0.729642
MPV17L2	turquoise	-0.20893	0.305696	RHOF	turquoise	-0.235023161	0.237981009	SIGLEC11	turquoise	-0.07084	0.730921
IRF2BP2	turquoise	-0.20863	0.306391	ATXN1L	turquoise	-0.234818843	0.238401103	NUDT3	turquoise	-0.07028	0.733002
TMEM192	turquoise	-0.20863	0.306411	KDC13	turquoise	-0.234180816	0.239716101	APL	turquoise	-0.07023	0.733181
ZDHC16	turquoise	-0.20836	0.307036	ALKBH6	turquoise	-0.233993395	0.240103293	RHBD2	turquoise	-0.06996	0.734161
LOC388796	turquoise	0.208208	0.307404	CD47	turquoise	-0.233909009	0.240277761	DCAF7	turquoise	-0.06971	0.735067
CHCHD10	turquoise	-0.20812	0.307613	ACADM	turquoise	-0.233584405	0.240949659	PP1B	turquoise	-0.06949	0.735893
CCDC25	turquoise	-0.20801	0.307867	ZNF441	turquoise	-0.233128027	0.241896414	HLTF	turquoise	-0.06889	0.738097
MCAT	turquoise	-0.20792	0.308089	COX11	turquoise	-0.233035278	0.242089121	RAB8B	turquoise	-0.06883	0.738287
SMIM7	turquoise	-0.20764	0.308745	ZNF516	turquoise	-0.232816049	0.242545024	CABLES2	turquoise	-0.06883	0.738312
LINC00674	turquoise	-0.20757	0.308929	KCTD9	turquoise	-0.232706153	0.242773773	SEPN1	turquoise	-0.06879	0.738447
BEX4	turquoise	-0.20704	0.310186	ESYT2	turquoise	-0.232630866	0.242930565	ALAD	turquoise	-0.06854	0.73937
ACOT8	turquoise	-0.20683	0.310698	NRAS	turquoise	-0.231876148	0.24450603	SMEK2	turquoise	-0.0684	0.7399
RANBP10	turquoise	-0.20663	0.311157	GPS2	turquoise	-0.23166557	0.244946808	AGTPBP1	turquoise	-0.06838	0.739956
RPL32	turquoise	-0.20614	0.312331	CPM	turquoise	-0.231593863	0.245097024	AP1G1	turquoise	-0.06764	0.742665
MAN2B1	turquoise	-0.20608	0.312484	KIAA0513	turquoise	-0.230690523	0.246994573	IFNGR1	turquoise	-0.0675	0.743198
ANKRA2	turquoise	-0.20566	0.313498	ATP6V1H	turquoise	-0.230533215	0.247325999	ASB13	turquoise	-0.06748	0.74328
FAM13B	turquoise	-0.20544	0.31402	SNX9	turquoise	-0.229891907	0.248680162	VGLL4	turquoise	-0.06729	0.743947
KIAA1586	turquoise	-0.20507	0.314911	CCP110	turquoise	-0.229516325	0.249475484	MTM1	turquoise	-0.06718	0.744364
CTSA	turquoise	-0.20507	0.314915	RARS	turquoise	-0.229102075	0.250354618	SLAMF6	turquoise	-0.06714	0.744525
NIP2A	turquoise	-0.20505	0.314952	DYNLL2	turquoise	-0.229050892	0.250463382	MLF1	turquoise	-0.06637	0.747347
RAB27A	turquoise	-0.20456	0.316147	SH3BP5L	turquoise	-0.228531029	0.251569836	PTOV1	turquoise	-0.06622	0.7479
GINM1	turquoise	-0.20451	0.316268	B4GALT2	turquoise	-0.228145962	0.252391456	CD84	turquoise	-0.06618	0.748066
DNAJC13	turquoise	-0.20399	0.317522	GALT	turquoise	-0.228143019	0.252397743	RECK	turquoise	-0.06612	0.748288
ASXL2	turquoise	-0.20379	0.318008	GPSM3	turquoise	-0.227102882	0.254625891	COP57B	turquoise	-0.06606	0.748487
CEP350	turquoise	-0.2031	0.319688	RP9	turquoise	-0.226946629	0.254961715	TMEM30A	turquoise	-0.06599	0.748739
SMARCAL1	turquoise	-0.2028	0.320411	PUS7L	turquoise	-0.226784152	0.255311225	UFSP2	turquoise	-0.06585	0.749252
CNEP1R1	turquoise	-0.20271	0.320629	BCL2	turquoise	-0.226761845	0.255359235	CCDC117	turquoise	-0.06553	0.75044
DHX40	turquoise	-0.20236	0.321481	CNOT2	turquoise	-0.226516682	0.255887269	RAB2A	turquoise	-0.06547	0.750688
FGD4	turquoise	0.202284	0.321676	DOCK7	turquoise	-0.225718458	0.257611417	CEP152	turquoise	-0.06462	0.753805
RGCC	turquoise	0.201443	0.323735	GNL2	turquoise	-0.225080762	0.25899425	CCDC25	turquoise	-0.06408	0.755797
CMC1	turquoise	-0.20095	0.324955	CENPW	turquoise	-0.225008111	0.259152098	C1GALT1C1	turquoise	-0.06399	0.75613
CNPB	turquoise	-0.20094	0.324981	COG8	turquoise	-0.224671125	0.259885083	FAM49B	turquoise	-0.06389	0.756512
HERC5	turquoise	-0.20028	0.326599	ILK	turquoise	-0.224487972	0.260284026	MAP3K5	turquoise	-0.06366	0.757365
RANBP17	turquoise	-0.20027	0.32661	SETX	turquoise	-0.224215886	0.260877417	IQGAP2	turquoise	-0.06321	0.75902
DHX32	turquoise	-0.20023	0.326709	TCAIM	turquoise	-0.224105009	0.261119479	CRAMP1L	turquoise	-0.06303	0.759693
MRP59	turquoise	0.199845	0.327669	RASSF7	turquoise	-0.22365623	0.262100725	KDM4C	turquoise	-0.0626	0.761286
APLF	turquoise	-0.19973	0.327959	S1PR4	turquoise	-0.223530767	0.262375474	PPP6C	turquoise	-0.06252	0.761594
RAB28	turquoise	-0.19918	0.329305	IPOS	turquoise	-0.222595057	0.264430457	N4BP2L2	turquoise	-0.06234	0.762242
ZNF883	turquoise	-0.19912	0.329453	CAPZA2	turquoise	-0.222239696	0.265213612	VPS33A	turquoise	-0.0623	0.762397
KANSL3	turquoise	-0.19904	0.329657	BBS12	turquoise	-0.221325948	0.267234235	UTP18	turquoise	-0.06223	0.762659
AARS2	turquoise	-0.19823	0.331669	TANK	turquoise	-0.221028405	0.267774468	OMA1	turquoise	-0.06208	0.7632
LOC729737	turquoise	-0.19786	0.332601	HCFC1R1	turquoise	-0.220395672	0.269301584	FERM3T3	turquoise	-0.06199	0.763554
LOC374443	turquoise	0.19782	0.332695	CYGB	turquoise	-0.219353803	0.271629121	TRIQK	turquoise	-0.06194	0.763746
CLYBL	turquoise	-0.19741	0.333731	LONRF1	turquoise	-0.219078258	0.272246844	SOGA1	turquoise	-0.06184	0.764082
ALG6	turquoise	-0.19731	0.333967	IRAK4	turquoise	-0.218860681	0.27273525	EV12A	turquoise	-0.0618	0.764264
COX11	turquoise	-0.19712	0.334451	CDC42	turquoise	-0.218821761	0.272822674	SLC12A7	turquoise	-0.06166	0.76478
NAF1	turquoise	-0.1971	0.334486	ZNF800	turquoise	-0.218049161	0.274561868	FAM98A	turquoise	-0.06148	0.765443
BCL10	turquoise	-0.19681	0.335209	HUS1	turquoise	-0.217976466	0.274725876	RAD1	turquoise	-0.06145	0.765534
HSF2	turquoise	-0.19638	0.336308	ODF2	turquoise	-0.217305543	0.276242515	COP3	turquoise	-0.0614	0.765733
TMEM191E	turquoise	-0.19627	0.336568	MAP4K5	turquoise	-0.216952293	0.277043197	PGM3	turquoise	-0.06132	0.766017
BLOC1S2	turquoise	-0.19609	0.337032	UBE2L6	turquoise	-0.216460574	0.2781602	FAM160B1	turquoise	-0.06098	0.767294
C9orf72	turquoise	-0.19605	0.337133	UCHL1	turquoise	-0.215964068					

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

ADCK2	turquoise	-0.1936	0.343312	TNNI2	turquoise	-0.211072306	0.290588581	DKFZP58614	turquoise	-0.05887	0.775148
PTGER2	turquoise	-0.19356	0.343409	TRPV2	turquoise	-0.211047826	0.290645835	DPY30	turquoise	-0.05878	0.775459
KLHL9	turquoise	-0.1935	0.343564	KIAA0368	turquoise	-0.210934701	0.290910494	NUPL1	turquoise	-0.05877	0.77549
VPS33A	turquoise	-0.19342	0.343787	NO2CL	turquoise	-0.210798113	0.291232025	C2orf18	turquoise	-0.05873	0.775654
SLC35E2B	turquoise	-0.1928	0.345368	TSEN15	turquoise	-0.21074504	0.291354556	PTGER4	turquoise	-0.05859	0.77617
POLD1	turquoise	-0.1926	0.345859	TCEAL8	turquoise	-0.210216057	0.292595343	MALAT1	turquoise	-0.05855	0.776309
API5	turquoise	-0.19256	0.345965	RMRP	turquoise	-0.209794215	0.293587203	MON1B	turquoise	-0.05855	0.776317
CDC42	turquoise	-0.19233	0.346549	SLC9A9	turquoise	-0.208870151	0.295767303	RWDD2A	turquoise	-0.05853	0.776408
LRP10	turquoise	-0.1922	0.346877	TBC1D15	turquoise	-0.208553327	0.296517105	TOP2B	turquoise	-0.05813	0.777911
WRN	turquoise	-0.19218	0.346934	CNND3	turquoise	-0.208494416	0.296656657	TACC3	turquoise	-0.05721	0.781311
CACYBP	turquoise	-0.19213	0.347069	MOB1B	turquoise	-0.208451577	0.296758163	UCHL5	turquoise	-0.05694	0.782338
DNAJB14	turquoise	-0.19191	0.347619	WDR44	turquoise	-0.20793199	0.297991038	RAB31P	turquoise	-0.05662	0.783517
GPAT2	turquoise	-0.19174	0.348077	KLF8	turquoise	-0.20781792	0.298262436	PRKAR2A	turquoise	-0.05662	0.78353
HS2ST1	turquoise	-0.19158	0.348488	RRP8	turquoise	-0.206200624	0.302122362	LRRCS8D	turquoise	-0.0566	0.783616
DENR	turquoise	-0.19153	0.348606	RUFY2	turquoise	-0.20572635	0.303260266	DYNC1L1	turquoise	-0.05637	0.78445
ITGB1	turquoise	-0.19151	0.348646	C18orf21	turquoise	-0.204945393	0.305139798	FADD	turquoise	-0.05625	0.784926
C1D	turquoise	-0.19149	0.348702	ZWILCH	turquoise	-0.204047157	0.307310534	DDX42	turquoise	-0.0561	0.785477
ZMI21	turquoise	0.191428	0.348866	PLCL2	turquoise	-0.203596403	0.308403462	ZNF638	turquoise	-0.05585	0.786385
GOLGA7	turquoise	-0.19126	0.349289	LMBRD1	turquoise	-0.20334004	0.30902613	HSPA113	turquoise	-0.0548	0.790325
CLMN	turquoise	-0.19037	0.351595	LRPPRC	turquoise	-0.203219362	0.309319512	LRRCS5	turquoise	-0.05478	0.790418
FAM53C	turquoise	0.190275	0.351831	PPM1F	turquoise	-0.203176283	0.309424282	SDAD1	turquoise	-0.0547	0.790696
C22orf32	turquoise	-0.19016	0.352139	GPC1	turquoise	-0.203092083	0.309629124	LRIF1	turquoise	-0.0547	0.790698
ABHD8	turquoise	-0.19011	0.352257	TMPO	turquoise	-0.202769636	0.310414357	FASN	turquoise	-0.05465	0.790894
ISOC2	turquoise	-0.18995	0.352676	SPATA7	turquoise	-0.202332346	0.311481229	HIVEP1	turquoise	-0.05451	0.791408
DENND6A	turquoise	-0.18974	0.353216	NOTCH1	turquoise	-0.202232393	0.311725405	CASP8AP2	turquoise	-0.05451	0.791421
GIPC1	turquoise	0.18973	0.353237	KIAA1586	turquoise	-0.202012766	0.312262351	TRAPP6B	turquoise	-0.05443	0.791731
GLRX3	turquoise	-0.18953	0.353748	TRIM25	turquoise	-0.201808881	0.312761322	PER1	turquoise	-0.05429	0.792223
ABCE1	turquoise	-0.18909	0.354889	DCAF17	turquoise	-0.200217897	0.316671878	MTMR12	turquoise	-0.05399	0.793369
TCF19	turquoise	-0.18909	0.354895	AHR	turquoise	-0.200130852	0.316888695	USP8	turquoise	-0.05397	0.793419
CSRN1	turquoise	-0.18907	0.354951	AGXT2L2	turquoise	-0.198866774	0.320016395	TESK1	turquoise	-0.05372	0.79437
SBF1	turquoise	-0.18888	0.355445	LPGAT1	turquoise	-0.198745299	0.320318158	ZNF148	turquoise	-0.05365	0.794617
PRMT10	turquoise	-0.18839	0.356703	HMHA1	turquoise	-0.198329225	0.321353027	SNW1	turquoise	-0.05362	0.794766
PUF60	turquoise	-0.18812	0.357423	DNAJC13	turquoise	-0.197497667	0.323427453	RASA2	turquoise	-0.05332	0.795866
SMURF2	turquoise	-0.18806	0.357566	SLC35E2B	turquoise	-0.197432942	0.323589259	CENPN	turquoise	-0.05326	0.796105
CXCR7	turquoise	-0.18792	0.357926	UBXN2B	turquoise	-0.19690242	0.324917386	TM2D1	turquoise	-0.05313	0.796583
ARL4C	turquoise	-0.18747	0.3591	SRD5A3	turquoise	-0.195738781	0.327842119	MCM3AP	turquoise	-0.05297	0.797193
KDEL2C	turquoise	-0.18745	0.359171	SNX33	turquoise	-0.195269758	0.329025496	FGL2	turquoise	-0.05277	0.79794
THOP1	turquoise	-0.18744	0.359197	ITFG1	turquoise	-0.19489875	0.329963414	BNIP2	turquoise	-0.05224	0.799924
C5orf51	turquoise	-0.18742	0.359241	RWDD1	turquoise	-0.194580558	0.330769104	FAM206A	turquoise	-0.05206	0.800595
HNRNP1A1	turquoise	-0.1871	0.360079	NCKIPSD	turquoise	-0.194440648	0.331123747	EGLN1	turquoise	-0.0517	0.801963
LIN7C	turquoise	0.186806	0.360843	MAP7D1	turquoise	-0.194099377	0.331989763	FTSJ3	turquoise	-0.05166	0.802087
RNF168	turquoise	-0.18656	0.361488	GCC2	turquoise	-0.193827066	0.332681769	NMD3	turquoise	-0.05129	0.803492
HIPK2	turquoise	0.186243	0.362319	ZSCAN18	turquoise	-0.193801377	0.332747095	SUZ12	turquoise	-0.05117	0.803942
SLC35A5	turquoise	-0.18596	0.363062	FAM199X	turquoise	-0.193386537	0.333803108	VP54B	turquoise	-0.05106	0.804349
NOL11	turquoise	-0.18547	0.36435	LRIF1	turquoise	-0.192840727	0.33519556	C4orf52	turquoise	-0.05065	0.805891
CD55	turquoise	0.185232	0.364977	SCYL2	turquoise	-0.19259446	0.335825033	CLIC2	turquoise	-0.04975	0.809287
LAMTOR3	turquoise	-0.18514	0.365227	GNPAT	turquoise	-0.192381057	0.336371047	JMJD1C	turquoise	-0.04954	0.810086
MRC1	turquoise	-0.18497	0.365661	RBBP7	turquoise	-0.192274726	0.336643308	ADAMDEC1	turquoise	-0.04945	0.810396
E1F1B	turquoise	0.184938	0.365751	PANK2	turquoise	-0.191851437	0.33772845	HCG26	turquoise	-0.04945	0.810415
SCARNA36	turquoise	-0.18451	0.366876	C6orf70	turquoise	-0.191538469	0.33853213	ISCU	turquoise	-0.04878	0.812929
ZNF331	turquoise	-0.18401	0.368202	SNRNP25	turquoise	-0.191414292	0.338851327	ABCC3	turquoise	-0.04859	0.813669
PEG10	turquoise	-0.18383	0.368672	RILP2	turquoise	-0.191108385	0.339638433	DHFR	turquoise	-0.04843	0.814241
TTC1	turquoise	-0.18352	0.369505	PHC3	turquoise	-0.19107867	0.339714949	CAAP1	turquoise	-0.04818	0.815189
PPP1R37	turquoise	-0.18351	0.369532	VAMP7	turquoise	-0.190796139	0.340442982	CCDC82	turquoise	-0.04786	0.81642
TRAPP5C	turquoise	-0.1833	0.370083	C9orf72	turquoise	-0.19043093	0.341385451	RGP1	turquoise	-0.04785	0.816461
LARS2	turquoise	-0.1831	0.370608	GPATCH2L	turquoise	-0.190180544	0.342032509	NOP58	turquoise	-0.04755	0.817573
TARBP1	turquoise	-0.18275	0.371539	RAP2B	turquoise	-0.189953592	0.342619646	CASP4	turquoise	-0.04738	0.818233
STS	turquoise	-0.18257	0.372039	ACTR3	turquoise	-0.189603185	0.34352735	ARPC5	turquoise	-0.04726	0.818656
VRBPB	turquoise	-0.18243	0.372408	WDR61	turquoise	-0.189571163	0.343610372	NDUF84	turquoise	-0.04709	0.819326
MRP510	turquoise	-0.18201	0.373521	PPP6R1	turquoise	-0.188467597	0.346478906	ZDHHC5	turquoise	-0.04694	0.819885
RHOB	turquoise	-0.18184	0.37399	AP351	turquoise	-0.188294136	0.346931084	ZNF461	turquoise	-0.04633	0.822199
PPA1	turquoise	-0.18182	0.37402	ZFYVE27	turquoise	-0.18773972	0.348378704	RAB3GAP1	turquoise	-0.04632	0.822212
CAND1	turquoise	-0.18162	0.374555	COPB1	turquoise	-0.187388658	0.349297212	HOMER1	turquoise	-0.04618	0.822761
GTBPB10	turquoise	-0.18107	0.376025	C11orf80	turquoise	-0.187278369	0.349586066	AKAP10	turquoise	-0.04564	0.824794
SMKEK2	turquoise	-0.18103	0.376138	ECT2	turquoise	-0.186810607	0.350812749	ATG3	turquoise	-0.04549	0.825342
ASAP1	turquoise	0.180877	0.376555	ARIH2	turquoise	-0.186237623	0.352318852	C6orf70	turquoise	-0.04543	0.825594
PPP4R2	turquoise	-0.18088	0.376556	TM75F3	turquoise	-0.186042447	0.352832753	ZNF213	turquoise	-0.04517	0.826579
CCDC14	turquoise	-0.18066	0.377143	OFD1	turquoise	-0.185498205	0.3542661	U2SURP	turquoise	-0.04481	0.827924
PSKH1	turquoise	-0.18035	0.377969	TAF2	turquoise	-0.185449774	0.354395994	GATAD2B	turquoise	-0.04475	0.828168
SLC4A8	turquoise	-0.18033	0.378036	TMEM116	turquoise	-0.185439117	0.354424142	ANKS1A	turquoise	-0.04412	0.830525
TBDB3	turquoise	-0.18029	0.378124	ZNF747	turquoise	-0.185392418	0.354547495	NDUFA4	turquoise	-0.04399	0.831043
TECR	turquoise	-0.17984	0.379335	PCGF3	turquoise	-0.185318252	0.354743455	PCM1	turquoise	-0.04342	0.833192
MOSP2D	turquoise	-0.17965	0.379853	CENPQ	turquoise	-0.1852162	0.355013198	COG7	turquoise	-0.04308	0.834471
EEF1B2	turquoise	-0.17891	0.381866	EFHA1	turquoise	-0.184830136	0.356034742	UAP1L1	turquoise	-0.04293	0.835054
GPM5M2	turquoise	-0.17872	0.382378	TOMM70A	turquoise	-0.184739969	0.356273577	ZXDB	turquoise	-0.04284	0.835392
BOLA3	turquoise	-0.17854	0.382846	APMAP	turquoise	-0.184691592	0.356401759	PHB	turquoise	-0.04266	0.836071
MFN1	turquoise	-0.17848	0.38302	SNHG16	turquoise	-0.184632052	0.356559557	PDLM2	turquoise	-0.04214	0.838054
SERPINF2	turquoise	-0.17827	0.383593	HERC2P9	turquoise	-0.183226733	0.360296001	TRNT1	turquoise	-0.04177	0.839466
LSG1	turquoise	-0.178	0.384328	HERF641	turquoise	-0.182805069	0.361421599	MAK16	turquoise	-0.04148	0.840537
MAN2B2	turquoise	-0.17791	0.384568	SMARCA2	turquoise	-0.182752982	0.361560784	IMPA1	turquoise	-0.04129	0.841272
PRKAG1	turquoise	-0.17738	0.386013	MICU1	turquoise	-0.182510498	0.362209158	PSMD12	turquoise	-0.04123	0.841482
NHP4	turquoise	-0.17705	0.386912	AGA	turquoise	-0.182471323	0.362313972	ZNF280C	turquoise	-0.04101	0.842342
NADK1	turquoise	-0.17667	0.387931	FAM8A1	turquoise	-0.182292306	0.362793161	MYSM1	turquoise	-0.04099	0.842395
POT1	turquoise	-0.17623	0.38914	YIPF2	turquoise	-0.182270639	0.362851185	ESF1	turquoise	-0.04056	0.844025
HELZ	turquoise	-0.17606	0.389614	MPHOSPH8	turquoise	-0.181162786	0.365825223	HNRNPR	turquoise	-0.04037	0.844759
ZNF692	turquoise	-0.17583	0.390225	E1F5	turquoise	-0.17996317	0.369061641	NRP1	turquoise	-0.04011	0.845736
UPK3BP1-F	turquoise	-0.17555	0.391016	CTSA	turquoise	-0.179444873	0.370465097	UBQLN1	turquoise	-0.03971	0.847254
EFHA1	turquoise	-0.17495	0.39265	ROCK1	turquoise	-0.179424933	0.370519154	FMO4	turquoise	-0.03958	0.847753
CASP8AP2	turquoise	-0.17486	0.392884	MAP3K7	turquoise	-0.179274121	0.370928144	MAGOH	turquoise	-0.03957	0.847797
CYP20A1	turquoise	-0.1746	0.393603	IMPA1	turquoise	-0.179028804	0.371593985	ZFAND6	turquoise	-0.03944	0.848288
SUSD3	turquoise	-0.17453	0.393803	TRAF6	turquoise	-0.178860525	0.372051134	MAP4	turquoise	-0.03883	0.850611
ARL2BP	turquoise	-0.17447	0.393974	AIM2	turquoise	-0.17879744	0.372222594	SNX20	turquoise	-0.03881	0.850706
MEIS3P1	turquoise	0.17435	0.394301	AUP1	turquoise	-0.17869042	0.372513573				

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

SMNDC1	turquoise	-0.17145	0.402335	PHB	turquoise	-0.175695426	0.380710256	CHN2	turquoise	-0.03759	0.855323
CUX1	turquoise	0.171258	0.40287	RNF41	turquoise	-0.175389289	0.3815539	CAMSAP2	turquoise	-0.03759	0.855339
LYRM5	turquoise	-0.1706	0.404718	PTOV1	turquoise	-0.175053004	0.382481868	RIF1	turquoise	-0.03731	0.856393
IFNAR2	turquoise	-0.17047	0.405076	QSOX2	turquoise	-0.174486671	0.384047575	INTS10	turquoise	-0.03729	0.856465
RSRC1	turquoise	-0.17034	0.405425	TTC7A	turquoise	-0.173802822	0.385943069	DDX50	turquoise	-0.03719	0.856852
PPP3CB	turquoise	-0.17015	0.405974	COG6	turquoise	-0.173192273	0.387639913	COX15	turquoise	-0.03701	0.857568
JC1005056i	turquoise	-0.17007	0.406194	PRKAR2A	turquoise	-0.173037347	0.388071162	MAPK6	turquoise	-0.03691	0.85794
COG2	turquoise	-0.16973	0.407142	C9orf41	turquoise	-0.172889725	0.388482334	EIF253	turquoise	-0.03663	0.859015
RNU12	turquoise	-0.16971	0.407188	RCAN1	turquoise	-0.172778027	0.388793614	RGPD8	turquoise	-0.03659	0.859135
AKAP9	turquoise	-0.16968	0.407292	ATAD3B	turquoise	-0.172341693	0.390010952	ZNF248	turquoise	-0.03654	0.859328
PLA2G16	turquoise	0.169503	0.407779	RAB11FIP4	turquoise	-0.170833762	0.394234667	STXBP1	turquoise	-0.03641	0.859844
PKRKR1	turquoise	-0.16943	0.407978	B3GALT6	turquoise	-0.170741517	0.394493885	FKBP5	turquoise	-0.03604	0.861234
PTPLAD1	turquoise	-0.16943	0.407986	RAB5A	turquoise	-0.170514122	0.395133303	TTIC4	turquoise	-0.0357	0.86255
IFNGR1	turquoise	-0.16932	0.408294	PDP2	turquoise	-0.170029149	0.396498975	NUDT16L1	turquoise	-0.03554	0.863155
UBXN4	turquoise	-0.16891	0.409436	SNX13	turquoise	-0.169636187	0.397607502	TRAM1	turquoise	-0.03528	0.864158
MEMO1	turquoise	0.168883	0.409523	TSR1	turquoise	-0.169389777	0.398303509	CWF19L1	turquoise	-0.03493	0.865488
TTC28	turquoise	0.168507	0.41058	CNC2	turquoise	-0.16902175	0.399344312	AKTIP	turquoise	-0.03472	0.866282
ALAS1	turquoise	-0.16841	0.410841	CUL3	turquoise	-0.168384031	0.401151541	MCCC2	turquoise	-0.03422	0.8682
CUL7	turquoise	-0.16839	0.410921	MVP	turquoise	-0.168201715	0.401668937	MTFR1	turquoise	-0.0338	0.869793
AGP5	turquoise	-0.16829	0.411192	THAP4	turquoise	-0.167217003	0.404470432	IQSEC3	turquoise	-0.03376	0.869964
NBPFF24	turquoise	0.168231	0.41136	CRIP1	turquoise	-0.167085811	0.404844496	PPAT	turquoise	-0.03364	0.87039
CBX3	turquoise	-0.16813	0.411653	NMD3	turquoise	-0.166785967	0.405700167	GTPBP10	turquoise	-0.03345	0.871145
MED12	turquoise	-0.16803	0.411914	PUS10	turquoise	-0.166566106	0.40632823	ALKBH4	turquoise	-0.03318	0.872159
APPL2	turquoise	-0.16803	0.411918	C8orf40	turquoise	-0.166290046	0.407117606	FBXL4	turquoise	-0.03203	0.876543
STXBP5	turquoise	0.167893	0.412312	WASF2	turquoise	-0.165488255	0.409415136	APOC2	turquoise	-0.032	0.876661
LIN37	turquoise	0.167511	0.413394	NIT2	turquoise	-0.165237845	0.410134165	DNAJB14	turquoise	-0.0319	0.877057
ZC3H6	turquoise	-0.16734	0.413873	FAM60A	turquoise	-0.164792692	0.411414121	PCID2	turquoise	-0.03171	0.877786
USP40	turquoise	-0.16734	0.413878	PTPN4	turquoise	-0.164777391	0.411458154	C14orf166	turquoise	-0.03147	0.8787
UBXN11	turquoise	0.166814	0.415367	TNFSF13B	turquoise	-0.164703022	0.411672218	DENND6A	turquoise	-0.03127	0.879483
FGR10P2	turquoise	0.166412	0.416509	SMN2	turquoise	-0.164250144	0.41297712	FAM1881	turquoise	-0.03126	0.879503
SS18L1	turquoise	0.166195	0.417124	ING2	turquoise	-0.164182731	0.413171557	CD276	turquoise	-0.03111	0.880089
ARL5A	turquoise	-0.16608	0.417457	CNBN11P1	turquoise	-0.16406554	0.413509688	EIF252	turquoise	-0.03102	0.880417
AHCYL2	turquoise	-0.16601	0.417644	API5	turquoise	-0.163679843	0.414623622	IMPAA2	turquoise	-0.03096	0.880667
PPIA	turquoise	-0.166	0.417689	OGFR1L	turquoise	-0.163454255	0.415275917	NLN	turquoise	-0.03067	0.881771
TRMT1L	turquoise	-0.16599	0.417705	UQCRC1	turquoise	-0.163176528	0.416079754	ACBD5	turquoise	-0.0303	0.883168
ARRDC4	turquoise	-0.16587	0.418055	SCAF8	turquoise	-0.16295481	0.416722098	ACVR1B	turquoise	-0.02985	0.884925
ATL2	turquoise	-0.16584	0.418139	DMTF1	turquoise	-0.162953119	0.416726999	COPS2	turquoise	-0.02975	0.885304
TAF1D	turquoise	-0.16581	0.41823	NMI	turquoise	-0.161711985	0.420332869	SF3B1	turquoise	-0.02966	0.88563
C3orf17	turquoise	-0.16552	0.419057	GINM1	turquoise	-0.161287344	0.421570517	FOPNL	turquoise	-0.02952	0.886178
HXB9	turquoise	-0.16543	0.419305	ZC3H4	turquoise	-0.160409293	0.424136012	TRMT1L	turquoise	-0.02939	0.886675
STIM2	turquoise	-0.1653	0.41968	BTN3A1	turquoise	-0.160187308	0.424785966	POLA2	turquoise	-0.02921	0.887375
TBC1D12	turquoise	-0.16511	0.420219	ZNF414	turquoise	-0.159523091	0.426733988	TMEM39A	turquoise	-0.02914	0.887615
TXND15	turquoise	-0.16472	0.421323	SOCS7	turquoise	-0.159392284	0.427118196	TBL3	turquoise	-0.02905	0.887955
CLK1	turquoise	-0.16461	0.421656	STIM2	turquoise	-0.158700959	0.429151901	RRP1	turquoise	-0.02884	0.888759
AZIN1	turquoise	-0.16453	0.421874	MRPS10	turquoise	-0.15858707	0.42948744	CINP	turquoise	-0.02873	0.889199
CEP57L1	turquoise	-0.16449	0.421992	TNHNIT6	turquoise	-0.158536214	0.429637318	RNF4	turquoise	-0.02851	0.890035
CUL5	turquoise	-0.16423	0.42273	ATAD3A	turquoise	-0.157551653	0.432544531	CSNK1E	turquoise	-0.02828	0.89091
MLKL	turquoise	-0.16421	0.422795	PWP2	turquoise	-0.157518391	0.432642935	TXNL1	turquoise	-0.028	0.891986
DHX8	turquoise	0.163989	0.423421	ARPC4	turquoise	-0.156548741	0.435516889	JAK2	turquoise	-0.02756	0.893693
VPS45	turquoise	-0.16389	0.423707	RNF214	turquoise	-0.156406987	0.435937898	PPP2R5C	turquoise	-0.02726	0.89482
ZNF664	turquoise	0.163541	0.424705	PRPF6	turquoise	-0.155800827	0.437740677	TWF1	turquoise	-0.02711	0.895429
ZNF518A	turquoise	-0.16325	0.425553	ECH1	turquoise	-0.155362788	0.439045952	PAAF1	turquoise	-0.02705	0.895637
NDFUFA4	turquoise	-0.16315	0.425825	NPL0C4	turquoise	-0.155138538	0.439714985	SS18L1	turquoise	-0.02668	0.896591
SLC7A7	turquoise	-0.16312	0.425908	IL1B	turquoise	-0.154720889	0.440962473	MRPL33	turquoise	-0.02677	0.89671
RPS11	turquoise	-0.16308	0.426202	CTNNB1P1	turquoise	-0.153348945	0.445073733	HECTD3	turquoise	-0.02652	0.897666
RNF71	turquoise	-0.16299	0.426296	POLG2	turquoise	-0.15308915	0.445854557	SLC45A3	turquoise	-0.02633	0.898394
NAA20	turquoise	-0.16251	0.427667	ZNF136	turquoise	-0.152395661	0.447942443	MLLT4	turquoise	-0.02621	0.898869
CD47	turquoise	-0.16237	0.428086	CHORDC1	turquoise	-0.151979036	0.449199278	Clorf50	turquoise	-0.02619	0.898949
BCAP29	turquoise	-0.16225	0.428408	ACE	turquoise	-0.151930444	0.449345987	CMTM7	turquoise	-0.02603	0.899572
SULT1A4	turquoise	-0.16221	0.428551	LTN1	turquoise	-0.151868236	0.449533845	PLEKHM1P	turquoise	-0.02574	0.900665
CALCOCO1	turquoise	0.1622	0.428566	FAM63B	turquoise	-0.151616097	0.450295685	FKBP3	turquoise	-0.02571	0.900782
ABCC10	turquoise	-0.16215	0.428723	TXNIP	turquoise	-0.151580419	0.450403541	LRIG2	turquoise	-0.02551	0.901562
WHSC2	turquoise	-0.16212	0.428811	ZYX	turquoise	-0.151373631	0.451028946	SYNGR2	turquoise	-0.02531	0.902337
DEK	turquoise	-0.16181	0.429691	NAE1	turquoise	-0.1508936	0.452482515	HPS1	turquoise	-0.02517	0.902871
TBP	turquoise	-0.16178	0.429792	PI4K2B	turquoise	-0.150555164	0.453508814	TLN1	turquoise	-0.0243	0.906186
HLTF	turquoise	-0.16162	0.430244	APLF	turquoise	-0.150332538	0.454184596	PDCD7	turquoise	-0.02415	0.906766
KLHL7	turquoise	-0.16114	0.431627	CLIC4	turquoise	-0.149843431	0.455671148	DDHD1	turquoise	-0.02409	0.907005
PTPN18	turquoise	-0.16107	0.431821	EIF2B5	turquoise	-0.149537179	0.456603252	GNAI3	turquoise	-0.02388	0.907826
FURIN	turquoise	-0.16104	0.431927	MLF1	turquoise	-0.149273792	0.457405696	PRCC	turquoise	-0.0238	0.908124
GOSR2	turquoise	-0.16074	0.432786	CRNK1L	turquoise	-0.149201917	0.457624802	SNORA21	turquoise	-0.02342	0.90957
CEBPD	turquoise	-0.16046	0.433608	RYBP	turquoise	-0.148697167	0.459165051	YTHDF1	turquoise	-0.02312	0.910733
ELAC2	turquoise	-0.16045	0.433631	CDC50	turquoise	-0.148278071	0.460445997	NETO2	turquoise	-0.02311	0.910764
ARHGAP30	turquoise	-0.16037	0.433875	CIC	turquoise	-0.147691989	0.462240467	SNAPC1	turquoise	-0.02303	0.911071
KRCC1	turquoise	-0.16003	0.434886	TMEM126B	turquoise	-0.146667583	0.465385777	FMNL1	turquoise	-0.02271	0.91233
MINA	turquoise	-0.15976	0.435648	NR1H2	turquoise	-0.146457888	0.466030994	AK1	turquoise	-0.02257	0.912853
SCYL2	turquoise	-0.15965	0.435955	SCAF1	turquoise	-0.146400145	0.466208746	BCAR3	turquoise	-0.02232	0.9138
RAD50	turquoise	-0.15961	0.436085	SLC12A7	turquoise	-0.146333674	0.466413411	STX18	turquoise	-0.02206	0.914831
SRF	turquoise	-0.1595	0.436393	SMURF2	turquoise	-0.145575691	0.468750543	PHF72	turquoise	-0.02184	0.91568
RHEB	turquoise	-0.15947	0.436475	EDC4	turquoise	-0.145489994	0.469015162	CLINT1	turquoise	-0.02179	0.915863
ACER3	turquoise	-0.15899	0.437884	UAP111	turquoise	-0.14508948	0.470252903	FAM208B	turquoise	-0.0213	0.917748
C14orf93	turquoise	-0.15874	0.438613	ATAD2B	turquoise	-0.145003684	0.470518266	PTK2	turquoise	-0.02119	0.91815
NFKBIE	turquoise	-0.15862	0.438953	SMEK1	turquoise	-0.144910106	0.470807786	AHCYL2	turquoise	-0.02108	0.918569
SIGMAR1	turquoise	-0.15845	0.439452	TRPM7	turquoise	-0.144405987	0.472369063	EXOC7	turquoise	-0.02033	0.921487
STRAP	turquoise	-0.15836	0.439712	NOC3L	turquoise	-0.144193627	0.473027552	CCDC132	turquoise	-0.02006	0.922509
HMG20B	turquoise	-0.15789	0.441111	DEK	turquoise	-0.143644559	0.474732301	TOR1A	turquoise	-0.01989	0.923158
RHOQ	turquoise	-0.15782	0.441307	DENND4B	turquoise	-0.143618713	0.474812627	TMEM164	turquoise	-0.01987	0.923256
PAPSS1	turquoise	-0.15777	0.441444	XPR1	turquoise	-0.142747662	0.477523787	GGNBP2	turquoise	-0.0181	0.930054
BTN3A3	turquoise	-0.1577	0.441654	KD18	turquoise	-0.142180722	0.47929266	BCR	turquoise	-0.0181	0.93006
ZFYVE27	turquoise	0.15763	0.441859	TBRG4	turquoise	-0.14203471	0.479748763	POLG2	turquoise	-0.01791	0.930803
E1F3E	turquoise	-0.15753	0.442153	HERC1	turquoise	-0.141742072	0.480663561	ACVR2A	turquoise	-0.0178	0.931209
LPGAT1	turquoise	-0.15751	0.442226	SPOPL	turquoise	-0.141332515	0.481945345	SDHAF2	turquoise	-0.01777	0.931347
CHKA	turquoise	0.157402	0.442528	CCDC71L	turquoise	-0.141314913	0.482000474	RCN2	turquoise	-0.01748	0.932464
PUS7	turquoise	-0.15735	0.442692	FBXO30	turquoise	-0.140994741	0.483003785	CAP			

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

EOGT	turquoise	0.155452	0.448272	AKAP9	turquoise	-0.137238834	0.494852555	TM95F3	turquoise	-0.01376	0.946794
C18orf21	turquoise	-0.15544	0.44831	FAM111A	turquoise	-0.13624628	0.498007925	STK3	turquoise	-0.01347	0.947938
ME1	turquoise	-0.15528	0.448773	ZNF280C	turquoise	-0.136127045	0.498387653	N6AMT1	turquoise	-0.01342	0.948116
EXOC1	turquoise	-0.15504	0.449496	TRIOBP	turquoise	-0.136102573	0.498465605	MFS08	turquoise	-0.01299	0.949783
C1orf43	turquoise	-0.15499	0.44964	IGBP1	turquoise	-0.136054949	0.498617327	RPL23AP82	turquoise	-0.01278	0.950608
DROSHA	turquoise	-0.15497	0.449707	METTL21D	turquoise	-0.135751105	0.499585854	RPRD1A	turquoise	-0.01266	0.951057
KIAA1107	turquoise	-0.15477	0.450291	GNAI2	turquoise	-0.135717862	0.499691875	GPD1	turquoise	-0.01264	0.951121
PRAM1	turquoise	-0.15447	0.451192	PCCB	turquoise	-0.135642779	0.499931377	CCDC88B	turquoise	-0.01221	0.952798
KDEL3	turquoise	-0.15443	0.45129	NCOA5	turquoise	-0.135433201	0.5006002	ARRDC1	turquoise	-0.01203	0.9535
DDX50	turquoise	-0.15433	0.451593	NOC4L	turquoise	-0.135088	0.501702806	EBAG9	turquoise	-0.01169	0.9548
PDXK	turquoise	-0.15428	0.451759	FASTK	turquoise	-0.135076805	0.501738582	CLYBL	turquoise	-0.01139	0.955959
RRAGB	turquoise	-0.15421	0.451965	GUF1	turquoise	-0.134922498	0.502231863	EMILIN2	turquoise	-0.01088	0.957916
TIPARP	turquoise	-0.15419	0.452023	DLG4	turquoise	-0.13469364	0.502963904	ELMOD2	turquoise	-0.01001	0.96131
PLCB3	turquoise	0.153992	0.452599	MAZ	turquoise	-0.134570618	0.503357628	SNRPC	turquoise	-0.00999	0.961381
EGLN1	turquoise	-0.1534	0.454365	ADSS	turquoise	-0.134384262	0.503954341	NDRG3	turquoise	-0.00969	0.962527
CCNC	turquoise	-0.15317	0.455053	HDAC2	turquoise	-0.134041945	0.505051356	C7orf29	turquoise	-0.00958	0.962935
EIF252	turquoise	-0.15284	0.456031	SLCO2B1	turquoise	-0.133868384	0.505608009	MAML1	turquoise	-0.00912	0.96475
EHF	turquoise	-0.15228	0.457691	BCKDHB	turquoise	-0.133784039	0.505878637	CER5E	turquoise	-0.00898	0.965286
MRPS15	turquoise	-0.15208	0.458304	ELP4	turquoise	-0.13374369	0.506008123	HDAC3	turquoise	-0.0088	0.965983
KIAA1551	turquoise	-0.1519	0.458825	AGAP3	turquoise	-0.133708994	0.506119483	INO80C	turquoise	-0.00829	0.967924
PHAX	turquoise	-0.15159	0.459779	SGOL2	turquoise	-0.133559215	0.506600349	PPP6R1	turquoise	-0.00816	0.968427
MRLP47	turquoise	-0.15149	0.460065	HIST1H4B	turquoise	-0.133534333	0.507261379	LACE1	turquoise	-0.00815	0.968478
RNF20	turquoise	-0.15146	0.460148	DRG2	turquoise	-0.133270987	0.507526336	ATAD3B	turquoise	-0.00813	0.968546
PFAS	turquoise	-0.15104	0.461424	VDAC2	turquoise	-0.133000723	0.508395372	E2F6	turquoise	-0.0075	0.970987
OGFR1	turquoise	-0.15094	0.461718	NDRG3	turquoise	-0.132899924	0.508719678	CHKA	turquoise	-0.0075	0.970993
FAM70B	turquoise	-0.15086	0.461954	TAF9	turquoise	-0.132672904	0.509450455	ADAT1	turquoise	-0.00724	0.971985
GTF2H3	turquoise	-0.15049	0.463079	TRMT11	turquoise	-0.13197149	0.511711558	EIF4E	turquoise	-0.00693	0.973196
TRIP4	turquoise	-0.15041	0.4633	CEP70	turquoise	-0.131911172	0.511906231	EEF1E1	turquoise	-0.00691	0.973265
MAP15	turquoise	-0.15019	0.46396	CCDC82	turquoise	-0.131208433	0.514176944	ZYX	turquoise	-0.00666	0.974236
ZNF569	turquoise	-0.15008	0.464288	SFPQ	turquoise	-0.131015871	0.514800015	GALNT7	turquoise	-0.00659	0.974527
PIK3R1	turquoise	-0.14999	0.464562	FAM200B	turquoise	-0.13099192	0.514877538	SUZ12P1	turquoise	-0.00615	0.976213
PYGL	turquoise	-0.14996	0.464653	NCOA1	turquoise	-0.13070425	0.515809101	CNOT7	turquoise	-0.00605	0.976605
RARS	turquoise	-0.14957	0.465837	TSNAX	turquoise	-0.130504786	0.516455508	ARHGAP21	turquoise	-0.00583	0.977456
GNPDA1	turquoise	-0.14945	0.466199	MRPS33	turquoise	-0.129865437	0.518530112	ARID4A	turquoise	-0.00566	0.978121
ZDHHC8	turquoise	-0.14882	0.468112	ARLSA	turquoise	-0.12985451	0.518565603	ER12	turquoise	-0.0048	0.981419
HERC6	turquoise	-0.14879	0.468181	RASA2	turquoise	-0.12937147	0.520135733	NPHP4	turquoise	-0.00475	0.981642
SNX14	turquoise	-0.14868	0.46854	FAM3A	turquoise	-0.12921848	0.520633507	GMIP	turquoise	-0.00469	0.981877
TNFRSF14	turquoise	-0.14862	0.468699	GNPDA1	turquoise	-0.128536629	0.522854805	GPR107	turquoise	-0.00464	0.982065
N4BP2L2	turquoise	-0.14854	0.468945	TPM4	turquoise	-0.128147232	0.524125408	C14orf101	turquoise	-0.00462	0.98212
TOMM70A	turquoise	-0.14852	0.468995	GSN	turquoise	-0.128067168	0.524386841	PTPN2	turquoise	-0.00453	0.982484
RPLP0	turquoise	-0.14838	0.469421	TRAF3IP2	turquoise	-0.127527002	0.526152282	XRCC4	turquoise	-0.00444	0.98283
AP351	turquoise	-0.14826	0.469805	PIN1	turquoise	-0.127478358	0.526311408	TBK1	turquoise	-0.00425	0.983565
GSN	turquoise	-0.14824	0.469848	DNAJC2	turquoise	-0.127178302	0.527293463	RBM22	turquoise	-0.00402	0.984452
CNTRL	turquoise	0.148167	0.470079	PIGF	turquoise	-0.127067818	0.527655285	ZNF268	turquoise	-0.00391	0.984881
SYNE3	turquoise	-0.14816	0.470106	GGA2	turquoise	-0.126920001	0.528139558	ZC3H13	turquoise	-0.00381	0.985246
DHRS1	turquoise	-0.14802	0.470523	POR	turquoise	-0.126636271	0.529069699	COPS5	turquoise	-0.00379	0.985334
JUNB	turquoise	-0.14794	0.470759	NUDT16L1	turquoise	-0.126469716	0.529616072	WRNP1	turquoise	-0.00357	0.986171
MAPK6	turquoise	0.147269	0.472803	RNF138	turquoise	-0.126148784	0.530669631	SLC25A32	turquoise	-0.00338	0.986938
JDP2	turquoise	-0.14704	0.47349	NHLRC3	turquoise	-0.125794291	0.53183452	MGAT4A	turquoise	-0.00333	0.987132
VGLL4	turquoise	-0.14693	0.473849	ADPRH	turquoise	-0.125291618	0.533488425	VADP	turquoise	-0.00313	0.987902
C14orf2	turquoise	-0.14671	0.474509	COP54	turquoise	-0.125250753	0.533622986	NDUFV2	turquoise	-0.00295	0.988582
DTX4	turquoise	-0.14664	0.474727	ATP11C	turquoise	-0.12509206	0.534145688	SIPA1L2	turquoise	-0.00208	0.991963
PHF13	turquoise	-0.1466	0.474843	CCNG1	turquoise	-0.12473856	0.53531092	HMG20B	turquoise	-0.00174	0.993278
EEF1E1	turquoise	-0.14613	0.476278	EZH1	turquoise	-0.124732346	0.535331411	KATNA1	turquoise	-0.00135	0.994791
PTPLAD2	turquoise	-0.14601	0.476652	C6orf62	turquoise	-0.123944608	0.53793237	MTIF3	turquoise	-0.00117	0.995461
TRANK1	turquoise	-0.1459	0.476971	CASP8AP2	turquoise	-0.123859908	0.538212387	LGMN	turquoise	-0.00056	0.997831
COMMD8	turquoise	-0.14577	0.477373	CASP6	turquoise	-0.123397345	0.539742824	LMBRD2	turquoise	-0.00041	0.998406
B9D2	turquoise	-0.14573	0.477487	CLDN23	turquoise	-0.122912321	0.541349768	MINPP1	turquoise	0.00016	0.999382
SLC35B3	turquoise	-0.14567	0.477688	PFKP	turquoise	-0.122255444	0.54352965	AHCY	turquoise	0.000194	0.999248
H0XA1	turquoise	-0.14564	0.477753	YY1	turquoise	-0.122028975	0.544282148	CES2	turquoise	0.000259	0.998998
BBS4	turquoise	-0.14544	0.478386	DTD2	turquoise	-0.121986985	0.544421723	NARG2	turquoise	0.000287	0.99889
SLC35A2	turquoise	-0.14542	0.478432	HIF1A	turquoise	-0.121792449	0.545068583	CYP51A1	turquoise	0.000505	0.998046
QPRT	turquoise	-0.14533	0.478716	TRAPP6B	turquoise	-0.120861553	0.548168886	UBE2S	turquoise	0.000852	0.996704
NAA16	turquoise	-0.14533	0.478726	IRF2	turquoise	-0.120704049	0.548694251	TUBGCP3	turquoise	0.001075	0.99584
PITPN1	turquoise	-0.14533	0.478729	EMILIN2	turquoise	-0.12004011	0.550911434	TMEM59	turquoise	0.001351	0.994774
PKNOX1	turquoise	0.145218	0.479058	RNF171	turquoise	-0.119118354	0.553996416	BBS4	turquoise	0.0018	0.993037
NCBP2	turquoise	-0.14515	0.479268	OSGEP1	turquoise	-0.119012641	0.554350728	SLC35B3	turquoise	0.001958	0.992425
KIAO0319	turquoise	0.145051	0.479571	BT3	turquoise	-0.118936036	0.554607547	SRSF1	turquoise	0.002045	0.99209
TTC3	turquoise	-0.14496	0.479851	HNRNPAL1	turquoise	-0.118805063	0.55504676	CSNK2A1	turquoise	0.002132	0.991754
TMEM106C	turquoise	-0.14491	0.480007	NR2C1	turquoise	-0.118511546	0.556031635	HEATR3	turquoise	0.002796	0.989185
SAP130	turquoise	-0.14483	0.480236	VDAC3	turquoise	-0.11800453	0.557734776	SLC38A7	turquoise	0.002895	0.988801
NEU3	turquoise	0.144656	0.480778	CLN5	turquoise	-0.117553718	0.559251117	AP4E1	turquoise	0.003057	0.988174
C1orf198	turquoise	-0.14466	0.480781	USM65	turquoise	-0.117064933	0.560897304	ZFAND4	turquoise	0.003085	0.988068
ZDHHC4	turquoise	-0.14446	0.481385	CDK2AP1	turquoise	-0.116735379	0.562008454	TCF20	turquoise	0.003721	0.985607
YEATS2	turquoise	-0.14407	0.482583	TNIP1	turquoise	-0.116347446	0.563317715	TIMP2	turquoise	0.004233	0.983627
RAB42	turquoise	-0.14378	0.483474	UBR4	turquoise	-0.116346423	0.563321171	CUL4B	turquoise	0.0043	0.983368
STAM	turquoise	-0.14363	0.48392	CTNND1	turquoise	-0.116047827	0.564329864	CAMK2G	turquoise	0.004355	0.983155
CCDC112	turquoise	-0.1436	0.484014	RHOBTB3	turquoise	-0.11570431	0.565491317	UNC119	turquoise	0.005056	0.980445
GRN	turquoise	0.143533	0.484228	SNHG6	turquoise	-0.115674659	0.565591619	TMED7	turquoise	0.005232	0.979763
MORC4	turquoise	-0.14341	0.484595	LOC50643	turquoise	-0.115581059	0.5659083	SFMBT2	turquoise	0.005284	0.979564
YIPF2	turquoise	-0.14336	0.484764	SLC25A43	turquoise	-0.115519727	0.566115849	SMCHD1	turquoise	0.005606	0.978317
ZMYM2	turquoise	-0.143	0.485876	SNHG4	turquoise	-0.115420965	0.566450134	AIFM1	turquoise	0.005614	0.978286
EMC2	turquoise	-0.14229	0.488061	CXCL16	turquoise	-0.11458234	0.569292256	NBEAL1	turquoise	0.005736	0.977812
ADAMT56	turquoise	0.142079	0.488712	PSMA6	turquoise	-0.114574876	0.569317579	ZFYVE16	turquoise	0.006851	0.973504
ZFAND6	turquoise	-0.1416	0.490207	ZNF548	turquoise	-0.114566721	0.569345247	NUDT21	turquoise	0.007029	0.972814
CCDC159	turquoise	0.141515	0.490456	KDEL2C	turquoise	-0.114256175	0.57039936	TTC30A	turquoise	0.007269	0.971885
UCHL5	turquoise	-0.14108	0.49181	LRC8D	turquoise	-0.11407664	0.571009167	LRP10	turquoise	0.007373	0.971486
DGDK	turquoise	0.140876	0.492437	RAD23A	turquoise	-0.114012555	0.571226906	LILRA6	turquoise	0.007516	0.970932
DYRK1A	turquoise	-0.14075	0.492827	LYST	turquoise	-0.11370933	0.572257677	FBXL20	turquoise	0.007744	0.970051
UBE2B	turquoise	-0.14062	0.493227	ZZEF1	turquoise	-0.11308189	0.574393194	NIPAL2	turquoise	0.007873	0.969552
ADI1	turquoise	-0.14053	0.493516	PGAM5	turquoise	-0.112847914	0.575190448	TMEM62	turquoise	0.008221	0.968206
C6orf48	turquoise	-0.14012	0.49479	CAP2B	turquoise	-0.112707129	0.575670393	ANKRD27	turquoise	0.008753	0.966151
EAF2	turquoise	-0.14007	0.494948	SMEK2	turquoise	-0.112					

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

ATP2C1	turquoise	-0.13748	0.503042	PMM2	turquoise	-0.109311184	0.587300857	CCDC146	turquoise	0.012255	0.952619
ITGAX	turquoise	0.137396	0.503295	GLMN	turquoise	-0.109187288	0.587727099	RCHY1	turquoise	0.012509	0.951641
TBCX	turquoise	-0.13692	0.504797	CLTB	turquoise	-0.109175636	0.587767193	CCDC85C	turquoise	0.012523	0.951585
OPHN1	turquoise	0.136791	0.505194	TXNDC15	turquoise	-0.1091695	0.587788306	ZNF498	turquoise	0.012623	0.951199
ZMI22	turquoise	-0.13642	0.506366	ANKX11	turquoise	-0.109103955	0.588013869	ZBTB28	turquoise	0.012774	0.950615
TSR1	turquoise	-0.13631	0.506719	PTGER4	turquoise	-0.109003639	0.58835916	SGSM3	turquoise	0.012774	0.950614
TPM4	turquoise	-0.13572	0.508568	HAT1	turquoise	-0.108607625	0.589723111	HBP1	turquoise	0.012796	0.95053
NDNL2	turquoise	-0.13559	0.508985	LRRC40	turquoise	-0.108308061	0.590755778	TNFRSF1B	turquoise	0.013341	0.948426
GPSM3	turquoise	-0.13524	0.510066	CT6A	turquoise	-0.10824865	0.590960676	KLF16	turquoise	0.013477	0.947902
NSUN3	turquoise	-0.1352	0.510221	ATP9A	turquoise	-0.107929629	0.592061436	ATN1	turquoise	0.013537	0.947669
FXR1	turquoise	-0.13499	0.510883	ARL28P	turquoise	-0.107599846	0.593200259	SIRT3	turquoise	0.013749	0.946852
DPH2	turquoise	-0.13464	0.511991	LRRCS8	turquoise	-0.107044054	0.595121673	HRA5	turquoise	0.014198	0.945117
ZFP106	turquoise	-0.13444	0.512595	MIER2	turquoise	-0.106675179	0.596398374	PPAP2A	turquoise	0.014267	0.944851
CWF19L2	turquoise	-0.13424	0.513256	SNORD94	turquoise	-0.106637466	0.596528965	FMNL2	turquoise	0.01436	0.944493
CDKN3	turquoise	-0.1341	0.513686	RECK	turquoise	-0.10623796	0.59791313	FAM172A	turquoise	0.014755	0.942969
FHOD1	turquoise	-0.13409	0.513717	KITLG	turquoise	-0.106184781	0.598097481	UBE2D1	turquoise	0.015003	0.94201
CR2L2	turquoise	0.134032	0.513901	FAM188A	turquoise	-0.10572353	0.599697483	MOSPDI1	turquoise	0.01528	0.940942
ACACA	turquoise	-0.13393	0.514234	MLL7	turquoise	-0.105316603	0.60111055	RCAN1	turquoise	0.015336	0.940725
ACP6	turquoise	-0.13372	0.514898	KRAS	turquoise	-0.105127978	0.601766032	GTF3C6	turquoise	0.015869	0.938668
FAM178A	turquoise	-0.13368	0.515027	DMXL1	turquoise	-0.104751033	0.603076849	CMPK1	turquoise	0.016246	0.937217
NFYB	turquoise	-0.13335	0.516066	PBX3	turquoise	-0.104345722	0.604487648	DBT	turquoise	0.016588	0.935896
CHORDC1	turquoise	0.133167	0.516645	PVR	turquoise	-0.104060192	0.60548235	NUP98	turquoise	0.017465	0.932516
COPB1	turquoise	-0.13298	0.517255	PDCD7	turquoise	-0.103712697	0.606693849	MTOR	turquoise	0.017911	0.930794
HNRNPM	turquoise	-0.13281	0.517785	DTWD1	turquoise	-0.103665371	0.606858923	POLR1C	turquoise	0.018285	0.929353
SGOL2	turquoise	-0.13279	0.517829	GLUPR2	turquoise	-0.103369631	0.607890901	DNAJ2	turquoise	0.018291	0.92933
RNMT	turquoise	-0.13277	0.517924	PPP1CB	turquoise	-0.103255995	0.608287628	FKTN	turquoise	0.018312	0.929249
LPP	turquoise	-0.13275	0.517984	RAB28	turquoise	-0.103111574	0.608791986	PPG5	turquoise	0.018572	0.928248
FOPNL	turquoise	-0.13258	0.518504	MRPL16	turquoise	-0.102808695	0.609850288	SAFB2	turquoise	0.018599	0.928144
LRIF1	turquoise	0.13159	0.52167	IL28RA	turquoise	-0.10254784	0.610762367	HSPA9	turquoise	0.018603	0.928131
EIF3H	turquoise	-0.13156	0.521759	LYRM7	turquoise	-0.101860749	0.613167496	MAP4K4	turquoise	0.018659	0.927913
MAN1C1	turquoise	-0.13082	0.524142	CIAPIN1	turquoise	-0.101350293	0.614956858	ABHD14B	turquoise	0.018907	0.926956
H3BGR3L3	turquoise	-0.13038	0.525546	MYCBP2	turquoise	-0.101274682	0.61522209	TTYH3	turquoise	0.018972	0.926705
XPR1	turquoise	0.130151	0.52627	ABCE1	turquoise	-0.100776624	0.616970373	KDM3A	turquoise	0.019174	0.92593
GM2A	turquoise	-0.13013	0.526352	PTBP2	turquoise	-0.100702622	0.61723031	ANKH	turquoise	0.019427	0.924954
MCM4	turquoise	-0.12995	0.526928	P2RX4	turquoise	-0.100466051	0.618061582	GTF2I	turquoise	0.019441	0.924899
DLG4	turquoise	0.12977	0.527492	B3GAT3	turquoise	-0.100424037	0.618209263	AKT3	turquoise	0.019478	0.924757
ASH1L	turquoise	0.12955	0.528198	ACER3	turquoise	-0.100163325	0.619125983	STK4	turquoise	0.020136	0.922221
CQP	turquoise	-0.12938	0.528754	TOP2B	turquoise	-0.100154736	0.619156191	ZNF791	turquoise	0.020378	0.92129
MKI67	turquoise	-0.12937	0.528789	TMED7	turquoise	-0.100065006	0.619471839	PCYT2	turquoise	0.020544	0.920651
PSMG1	turquoise	-0.12879	0.530627	NAF1	turquoise	-0.099619464	0.621040108	PACS2	turquoise	0.020803	0.919656
MRPL30	turquoise	-0.12873	0.530837	AIM1	turquoise	-0.099578579	0.621184101	RRP15	turquoise	0.020958	0.91906
FKTN	turquoise	-0.1286	0.531241	AP4E1	turquoise	-0.099234775	0.622395481	CARS2	turquoise	0.021595	0.916607
SDAD1	turquoise	-0.12858	0.531314	C20orf194	turquoise	-0.098907526	0.623549425	SOX13	turquoise	0.022219	0.914203
SPOPL	turquoise	-0.12856	0.531379	TMEM41B	turquoise	-0.098544189	0.624831634	DPH2	turquoise	0.022472	0.913233
ENDOD1	turquoise	-0.12837	0.53198	PTAFR	turquoise	-0.098355008	0.625499674	STAM2	turquoise	0.02249	0.913163
ATP5A1	turquoise	-0.12829	0.532267	GPR77	turquoise	-0.09758672	0.626215635	GPR89C	turquoise	0.023151	0.910621
PIIB	turquoise	-0.12826	0.532337	LY96	turquoise	-0.097462476	0.628655292	FBXO33	turquoise	0.023277	0.910134
RHOE	turquoise	-0.12812	0.532804	SFR1	turquoise	-0.097123751	0.629854554	SLC6A12	turquoise	0.023433	0.909536
SETX	turquoise	-0.12812	0.532805	GOLGA7B	turquoise	-0.097087468	0.629983067	FRA10A2	turquoise	0.023906	0.907717
C20orf94	turquoise	-0.1279	0.533505	SSH3	turquoise	-0.096923821	0.630562839	MIR1	turquoise	0.024232	0.906463
ZSCAN21	turquoise	0.127832	0.533728	BB55	turquoise	-0.096842781	0.630850027	WDR82	turquoise	0.024493	0.905459
CNKK5	turquoise	0.127651	0.534313	MFN1	turquoise	-0.096695314	0.631372751	MYBBP1A	turquoise	0.024603	0.905038
ARHGAP32	turquoise	0.127482	0.534859	APOB8	turquoise	-0.096337252	0.632642694	ERO1LB	turquoise	0.024706	0.904641
KPNA3	turquoise	-0.12746	0.534917	RBM34	turquoise	-0.095946749	0.634028855	HIBCH	turquoise	0.024733	0.904539
ADNP	turquoise	-0.12743	0.535012	EPG5	turquoise	-0.095942525	0.634043855	PFKP	turquoise	0.024864	0.904036
STPG1	turquoise	-0.12741	0.535101	POLR2B	turquoise	-0.095851289	0.634367891	PEL1	turquoise	0.025259	0.902519
ATP6V1B2	turquoise	-0.12727	0.535544	PGM1	turquoise	-0.095821715	0.634472938	KIAA2026	turquoise	0.025357	0.902142
ACBD5	turquoise	-0.12724	0.535634	GBAS	turquoise	-0.095634936	0.635136556	TX2P1-UPK3BP1-F	turquoise	0.025465	0.901727
GMPS	turquoise	-0.12688	0.536815	PTPRM	turquoise	-0.095492584	0.635642511	GOLPH3L	turquoise	0.026662	0.89713
UBR3	turquoise	0.12668	0.537455	SNX14	turquoise	-0.095485683	0.635667044	CCDC97	turquoise	0.026936	0.89608
NIN1	turquoise	0.125923	0.539906	ACVR2A	turquoise	-0.094733943	0.638341596	CEP104	turquoise	0.026987	0.895883
RXRA	turquoise	-0.12576	0.540425	PPA2	turquoise	-0.094640028	0.638676042	AMFR	turquoise	0.027097	0.895461
ARID4A	turquoise	-0.12575	0.54047	FPG5	turquoise	-0.094494716	0.639193653	GTPBP6	turquoise	0.027375	0.894395
ATHL1	turquoise	-0.12567	0.540724	SGSM3	turquoise	-0.094266032	0.640008577	CYTH3	turquoise	0.027638	0.893384
EPB41L4A	turquoise	-0.12545	0.541446	NMB	turquoise	-0.093849931	0.641492409	UBA3	turquoise	0.027732	0.893027
DCAF13	turquoise	-0.12534	0.541802	EXOC7	turquoise	-0.093840328	0.641526671	TFDP2	turquoise	0.027937	0.89224
COTL1	turquoise	-0.1252	0.542257	ZNF229	turquoise	-0.093536644	0.642610494	IFNAR2	turquoise	0.0282	0.891232
GDNBP2	turquoise	-0.12479	0.54359	MBP	turquoise	-0.093254333	0.643618323	GRWD1	turquoise	0.028526	0.889979
CDKN2B	turquoise	-0.12472	0.543815	USP5	turquoise	-0.093007654	0.644500121	PRPF39	turquoise	0.028607	0.889671
C11orf73	turquoise	-0.12452	0.54446	TTIC17	turquoise	-0.092954011	0.644691859	DNAAF2	turquoise	0.029476	0.88634
KHSRP	turquoise	-0.12426	0.545313	C9orf123	turquoise	-0.092951919	0.644699339	TMX1	turquoise	0.029864	0.884852
B4GALT2	turquoise	-0.12411	0.545793	LMF2	turquoise	-0.092847332	0.645073239	SLC26A2	turquoise	0.029886	0.88477
CCDC132	turquoise	-0.12376	0.546944	PICALM	turquoise	-0.092792062	0.645270865	SSH3	turquoise	0.030068	0.884073
STX16	turquoise	-0.1235	0.547808	RAB27A	turquoise	-0.092747362	0.645430713	TMED3	turquoise	0.030514	0.882363
DAP3	turquoise	-0.12347	0.54791	CABLES2	turquoise	-0.092449684	0.646495607	KIN	turquoise	0.030793	0.881297
MYO7B	turquoise	-0.12343	0.548023	OCTAD1	turquoise	-0.092446434	0.646507235	DYNLT3	turquoise	0.03093	0.880771
PARP11	turquoise	-0.12343	0.548037	FAM45A	turquoise	-0.091891617	0.648493829	DHR53	turquoise	0.031598	0.878217
LRRC34	turquoise	-0.12288	0.54982	PTPLAD2	turquoise	-0.09183595	0.654624322	KDM5A	turquoise	0.032023	0.876587
SKIL	turquoise	-0.12284	0.549937	TSSC1	turquoise	-0.09123629	0.654839955	FBXL18	turquoise	0.032642	0.874224
KRAS	turquoise	-0.12261	0.550698	FOXO4	turquoise	-0.090075718	0.655012258	FOXN3	turquoise	0.033024	0.872762
TAF12	turquoise	-0.1225	0.551076	TIMP2	turquoise	-0.089958906	0.655432425	JM1D8	turquoise	0.033158	0.87225
HERC1	turquoise	0.122243	0.551909	SMPDL3A	turquoise	-0.089667382	0.656481464	ZNF280D	turquoise	0.033197	0.872102
RPL37A	turquoise	0.122232	0.551946	ACTR10	turquoise	-0.088943514	0.659089032	IQCB1	turquoise	0.033807	0.869771
FOXN3	turquoise	0.122089	0.552415	ITGAE	turquoise	-0.088744422	0.659806898	ST14	turquoise	0.03395	0.869222
RPAIN	turquoise	-0.12199	0.55274	ERICH1	turquoise	-0.088618553	0.660260895	STBD1	turquoise	0.033954	0.869209
TRAM1	turquoise	-0.12199	0.552751	SEPN1	turquoise	-0.088549374	0.660510469	PIAS1	turquoise	0.033974	0.869132
GBP5	turquoise	-0.12183	0.553259	TMEM68	turquoise	-0.088157527	0.661924775	LXN	turquoise	0.034263	0.868028
NCB2	turquoise	-0.12178	0.55343	TNIP3	turquoise	-0.087855409	0.663015993	TEF	turquoise	0.034431	0.867386
STK10	turquoise	-0.12174	0.553552	ANO10	turquoise	-0.087545025	0.664137771	DBR1	turquoise	0.034949	0.865408
TMA16	turquoise	-0.12111	0.555632	BPTF	turquoise	-0.087516606	0.664240515	PDCD2L	turquoise	0.035041	0.865059
RSPRY1	turquoise	-0.12055	0.557464	GNB5	turquoise	-0.087293033	0.665049027	MANBAL	turquoise	0.035326	0.863969
MSL2	turquoise	-0.12049	0.557663	ANKRA2	turquoise	-0.087267251	0.665142285	HERC1	turquoise	0.035418	0.86362
H3PXD2A	turquoise	-0.12015	0.55879	FOPNL	turquoise	-0.087126917	0.665649993	RABGAP1L	turquoise	0.036782	0.858419

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

ERGIC2	turquoise	-0.11935	0.561418	ATG16L2	turquoise	-0.085623702	0.671097366	SWI5	turquoise	0.039594	0.847713
DDX47	turquoise	-0.11923	0.561838	BCL2L1	turquoise	-0.085550478	0.671363137	HNRPL	turquoise	0.040081	0.845863
ME3	turquoise	0.119205	0.56191	AMPD2	turquoise	-0.085290634	0.672306555	RPS15	turquoise	0.04015	0.845601
PRPF40A	turquoise	-0.11914	0.562121	SLC35A5	turquoise	-0.084988415	0.673404435	C7orf60	turquoise	0.040155	0.845581
GOLPH3	turquoise	-0.1191	0.562243	CSorf28	turquoise	-0.084854464	0.673891254	NUCB1	turquoise	0.040553	0.844068
THYN1	turquoise	-0.11877	0.563346	RB1	turquoise	-0.084787621	0.674134227	SDHAF1	turquoise	0.040685	0.843568
XCCL11	turquoise	-0.11867	0.563665	KRCC1	turquoise	-0.084783495	0.674149228	ATF5	turquoise	0.040904	0.842734
RFX1	turquoise	0.118558	0.564048	ROGDI	turquoise	-0.084661366	0.674593255	ZFP30	turquoise	0.041203	0.841602
UBE2M	turquoise	-0.11849	0.564287	CUL5	turquoise	-0.084363788	0.675675606	SARS2	turquoise	0.041266	0.84136
PDE2A	turquoise	0.118331	0.564799	DTWD2	turquoise	-0.08391444	0.677311172	TAF1A	turquoise	0.041496	0.840489
WASH5P	turquoise	-0.11829	0.564939	ACBD6	turquoise	-0.08378418	0.677785569	ALG6	turquoise	0.041499	0.840478
SPATA7	turquoise	-0.1182	0.565233	GAPVD1	turquoise	-0.083643455	0.678298212	SMC5	turquoise	0.042004	0.838559
CCT3	turquoise	-0.11789	0.566246	TOE1	turquoise	-0.082796629	0.681386038	SAP30L	turquoise	0.042158	0.837977
WIPF1	turquoise	-0.11789	0.566255	SUZ12	turquoise	-0.082162782	0.683700555	CLEC12A	turquoise	0.04339	0.833306
ITPK8	turquoise	-0.1177	0.566882	CBX4	turquoise	-0.082134564	0.683803661	ACTN1	turquoise	0.043838	0.831609
RASA2	turquoise	-0.11751	0.56752	TGFB1	turquoise	-0.081991502	0.684326471	CIAPIN1	turquoise	0.044006	0.830973
SNURF	turquoise	-0.11749	0.567592	NELF	turquoise	-0.081594154	0.68579298	NCK1	turquoise	0.044147	0.830437
TNIP3	turquoise	-0.11729	0.568263	DENND6A	turquoise	-0.081427663	0.686388364	ATG10	turquoise	0.044377	0.829566
VDAC2	turquoise	-0.1172	0.568541	XRCC4	turquoise	-0.081347174	0.686682886	ACIN1	turquoise	0.044806	0.827945
TRAPPC6B	turquoise	-0.11698	0.569291	PITPNA	turquoise	-0.081340566	0.686707067	SLC15A3	turquoise	0.04482	0.827892
MTA3	turquoise	-0.11691	0.56953	WBP1L	turquoise	-0.081261223	0.686997437	ANKRA2	turquoise	0.045178	0.826538
LATS2	turquoise	-0.11676	0.57002	EXOC1	turquoise	-0.081161216	0.687363495	STK36	turquoise	0.045192	0.826484
NF282	turquoise	-0.11664	0.570411	ENSA	turquoise	-0.080849255	0.688505819	ZMYM5	turquoise	0.045331	0.825957
CLEC12A	turquoise	-0.11646	0.571024	PGD	turquoise	-0.080746935	0.688880633	TSPLY5	turquoise	0.04546	0.825469
TNFAIP2	turquoise	0.116408	0.571185	NZF202	turquoise	-0.080712002	0.689008616	MCPH1	turquoise	0.04565	0.824752
ZCHC16	turquoise	0.116279	0.571617	PGRMC2	turquoise	-0.08063646	0.689285403	CDC42BPA	turquoise	0.04635	0.822106
H3F3B	turquoise	0.115484	0.574266	RELB	turquoise	-0.08063402	0.689294342	CMTM6	turquoise	0.047128	0.81917
KATNB1L	turquoise	-0.11547	0.574324	SHOC2	turquoise	-0.080520487	0.689710404	BDP1	turquoise	0.048256	0.814912
GRHRP	turquoise	-0.1154	0.574538	CSorf51	turquoise	-0.080465737	0.689911077	FGR	turquoise	0.049558	0.810009
C1orf50	turquoise	-0.11522	0.575138	FTSJ1	turquoise	-0.080291322	0.690550488	PIGK	turquoise	0.050001	0.808341
SAMD9	turquoise	-0.11484	0.576412	ZFP106	turquoise	-0.080232207	0.690767253	LARS	turquoise	0.050142	0.80781
PSPC1	turquoise	0.11482	0.576484	NSUN4	turquoise	-0.079172715	0.69465625	DHX38	turquoise	0.050875	0.805052
BAHD1	turquoise	0.114796	0.576563	RABS8	turquoise	-0.079116348	0.694863362	CORO7	turquoise	0.051188	0.803875
MPAIP1	turquoise	0.114775	0.576633	TXN	turquoise	-0.079030949	0.695177194	RTTN	turquoise	0.051441	0.802926
DKR1B	turquoise	-0.1147	0.576876	CCDC88B	turquoise	-0.078976163	0.695378552	FAM118B	turquoise	0.051663	0.802089
NXF3	turquoise	-0.11453	0.577468	ANKRD50	turquoise	-0.078550535	0.696943566	TAMM41	turquoise	0.051814	0.801523
DIS3	turquoise	-0.11351	0.580882	IFNGR1	turquoise	-0.078186887	0.698281642	CCT8	turquoise	0.052385	0.799379
MRPS27	turquoise	-0.11322	0.581834	GLCE	turquoise	-0.077851745	0.699515609	SUMF1	turquoise	0.052814	0.797769
MIER1	turquoise	-0.11316	0.582031	GMPS	turquoise	-0.077629434	0.700334552	RPE	turquoise	0.053009	0.797038
EIF4E2	turquoise	-0.11304	0.58246	ITGAX	turquoise	-0.077595585	0.700459274	TRIM28	turquoise	0.05329	0.795984
SHPRH	turquoise	0.112494	0.584282	NIPSNAP1	turquoise	-0.077572212	0.700545398	ADNP2	turquoise	0.053566	0.794952
SBN02	turquoise	0.11233	0.584833	NCDN	turquoise	-0.077333794	0.701424127	CNTRL	turquoise	0.053971	0.793433
GAA	turquoise	0.112297	0.584944	CPVL	turquoise	-0.076650029	0.703946339	TAZ	turquoise	0.05411	0.792913
CINP	turquoise	-0.11226	0.58506	CENPB	turquoise	-0.076182511	0.705672638	NUDCD2	turquoise	0.054534	0.791324
CAPNS1	turquoise	-0.112	0.585938	SLC2A13	turquoise	-0.076128777	0.705871141	S100A10	turquoise	0.054962	0.789723
ODF3B	turquoise	-0.11174	0.586825	CLMN	turquoise	-0.076030055	0.706235889	EZF3	turquoise	0.055374	0.788183
ORC2	turquoise	-0.11139	0.588012	PIGV	turquoise	-0.075870718	0.706824719	ANKRD50	turquoise	0.055434	0.787958
SLC19A3	turquoise	-0.11138	0.58802	VP55A	turquoise	-0.07538731	0.708612168	GADD45A	turquoise	0.055682	0.78703
UBXN1	turquoise	-0.11132	0.588242	PTGER2	turquoise	-0.075273826	0.709032006	DLAT	turquoise	0.055834	0.786463
ADAT1	turquoise	-0.11126	0.588446	CTNNA1	turquoise	-0.074955616	0.710209675	LMNA	turquoise	0.055942	0.786058
STX18	turquoise	-0.11113	0.588891	FEM1C	turquoise	-0.074498645	0.711902018	ATP13A1	turquoise	0.056021	0.785762
RP2	turquoise	0.111086	0.589025	INO80E	turquoise	-0.07422613	0.712911889	DNAI1	turquoise	0.056802	0.782845
FAM63B	turquoise	-0.11089	0.589677	IZUSURP	turquoise	-0.074002114	0.713742384	KIAA1429	turquoise	0.056887	0.782529
HNRPDL	turquoise	-0.11087	0.589741	ATG4A	turquoise	-0.073958099	0.7139056	HDAC4	turquoise	0.056927	0.782378
TMEM59	turquoise	-0.11087	0.589762	DDX47	turquoise	-0.073885242	0.714175791	ERCC8	turquoise	0.057222	0.781279
MBNL3	turquoise	-0.11053	0.590902	CLSTN1	turquoise	-0.073793006	0.714517901	EIF3H	turquoise	0.057569	0.779983
RNF24	turquoise	-0.11047	0.591102	PWWP2B	turquoise	-0.073641938	0.715078337	SUPT7L	turquoise	0.057803	0.77911
HNRNP0A	turquoise	-0.11018	0.592085	NEDD4	turquoise	-0.073491724	0.715635746	CDH23	turquoise	0.057975	0.778471
WAS	turquoise	0.110154	0.592175	SPATA2L	turquoise	-0.072609782	0.718911299	ZNF562	turquoise	0.058057	0.778165
BDD1	turquoise	-0.10994	0.592889	CSorf17	turquoise	-0.07163889	0.722522825	SLC45A4	turquoise	0.058304	0.777242
YTHDF3	turquoise	-0.10987	0.59315	KCTD7	turquoise	-0.071527016	0.722939346	BLNK	turquoise	0.05866	0.775919
GALC	turquoise	-0.1095	0.59438	SMIM4	turquoise	-0.071421598	0.723331906	AVL9	turquoise	0.058809	0.775364
WR6	turquoise	0.108005	0.599461	TBC1D24	turquoise	-0.070810521	0.725608789	AQP3	turquoise	0.059297	0.773546
DNTT1P1	turquoise	-0.10793	0.599703	RABGAP1	turquoise	-0.070710428	0.725981956	CTNND1	turquoise	0.059625	0.772326
PLCG1	turquoise	-0.10777	0.600245	MX2	turquoise	-0.070461949	0.726908597	PRKCI	turquoise	0.060313	0.769769
PEX3	turquoise	-0.1077	0.600488	RIF1	turquoise	-0.070442372	0.72698162	RBM19	turquoise	0.06083	0.767846
TEX261	turquoise	-0.10752	0.601111	TRIP11	turquoise	-0.07022802	0.727781321	LMAN2L	turquoise	0.060843	0.767799
ZFYVE21	turquoise	-0.1073	0.601873	SDHB	turquoise	-0.069470264	0.730610566	RAD52	turquoise	0.061408	0.765701
VAPA	turquoise	0.107189	0.602239	PIK3R4	turquoise	-0.069196802	0.731632444	ACAP3	turquoise	0.06169	0.764657
UTP20	turquoise	-0.10702	0.602802	HIVEP1	turquoise	-0.069137239	0.731855079	RPTOR	turquoise	0.061693	0.764643
IQCB1	turquoise	-0.10699	0.602912	PPP6R2	turquoise	-0.068644234	0.733698649	SF3A2	turquoise	0.062183	0.762828
MAP4K5	turquoise	-0.10698	0.60294	PTPN22	turquoise	-0.068306237	0.734963412	DYNC12	turquoise	0.062688	0.760956
CLEC1A	turquoise	-0.10697	0.602977	CROCCP2	turquoise	-0.068100771	0.735732577	FAM1882	turquoise	0.063448	0.758143
EXOC7	turquoise	-0.10691	0.603194	CYP20A1	turquoise	-0.067468126	0.738102465	HIPK2	turquoise	0.063652	0.757389
APAF1	turquoise	-0.1068	0.603571	DYNC1L1	turquoise	-0.067344154	0.738567139	TBC1D5	turquoise	0.064537	0.754114
ELOVL7	turquoise	-0.10637	0.605042	ERO1L	turquoise	-0.066774835	0.740702216	GNB2	turquoise	0.065019	0.752334
METTL21D	turquoise	0.105816	0.606922	ARSB	turquoise	-0.066510668	0.74169354	PICALM	turquoise	0.065149	0.751856
TRAPPC8	turquoise	-0.1057	0.607334	EMC2	turquoise	-0.066464288	0.741867629	FNBP4	turquoise	0.065159	0.751819
ATG7	turquoise	-0.10505	0.609546	SLC25A1	turquoise	-0.065936681	0.743848894	ZBTB11	turquoise	0.065238	0.751527
HINFP	turquoise	0.104365	0.611891	AK1	turquoise	-0.065749137	0.744553542	PJA2	turquoise	0.06527	0.751408
METTL25	turquoise	-0.10413	0.612693	TRIM41	turquoise	-0.065726775	0.744637577	DDX17	turquoise	0.066165	0.748107
USP32	turquoise	-0.104	0.61313	ATF5	turquoise	-0.065091324	0.747026687	RMNDS5B	turquoise	0.066271	0.747718
CMTM7	turquoise	-0.1037	0.61416	ABCA5	turquoise	-0.0645034	0.749239149	PPARGC1B	turquoise	0.066784	0.745828
TNNT1	turquoise	-0.10336	0.615351	NDUFB7	turquoise	-0.064279899	0.750080728	PTGER3	turquoise	0.067236	0.744162
FRA10AC1	turquoise	-0.10295	0.616756	THAP2	turquoise	-0.063316858	0.753710199	IL27RA	turquoise	0.067471	0.743297
LRPPRC	turquoise	-0.1029	0.616915	AD1	turquoise	-0.063307437	0.753745726	TAF13	turquoise	0.067484	0.743249
CSNK1E	turquoise	-0.10288	0.616986	SRPK2	turquoise	-0.062820781	0.755581793	WWP2	turquoise	0.068047	0.741179
HIVEP1	turquoise	-0.10283	0.617176	ZNF788	turquoise	-0.062708292	0.756006374	USP6NL	turquoise	0.068177	0.740702
VP55A	turquoise	-0.10279	0.617314	ZDHH20	turquoise	-0.062701958	0.756030286	G6PD	turquoise	0.068223	0.740534
WHSC1L1	turquoise	-0.10259	0.617986	HTATIP2	turquoise	-0.062682258	0.75610465	C6orf136	turquoise	0.068233	0.740496
C1GALT1	turquoise	-0.10238	0.618709	ACAA1	turquoise	-0.06250669	0.756767488	TRPV2	turquoise	0.069331	0.736465
FAM91A1	turquoise	0.102261	0.619125	ZFP161	turquoise	-0.062362524	0.757311896	MLPH	turquoise	0.069432	0.736093
ZNF322	turquoise										

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

PPAP2A	turquoise	0.10071	0.624478	ZNF121	turquoise	-0.058726175	0.771080425	RAB12	turquoise	0.072613	0.724455
ZNF25	turquoise	-0.10062	0.62479	RNF103	turquoise	-0.058108499	0.773426037	CWC22	turquoise	0.072634	0.724376
CELFI	turquoise	-0.1006	0.624857	NUCB2	turquoise	-0.058066811	0.773584417	THAP6	turquoise	0.073104	0.722665
ELP2	turquoise	-0.10041	0.625506	MTMR12	turquoise	-0.057946227	0.774042584	YBEY	turquoise	0.073887	0.719811
RABB8	turquoise	-0.10031	0.625877	SH3BGR1	turquoise	-0.057898688	0.774223231	SLC25A30	turquoise	0.07415	0.718851
MBNL1	turquoise	0.100132	0.626477	SNRNP70	turquoise	-0.057401043	0.776114971	DNAJB9	turquoise	0.074779	0.716565
ARL6IP6	turquoise	-0.0997	0.627962	AQR	turquoise	-0.057329997	0.776385147	PTKLA	turquoise	0.075117	0.715335
LYST	turquoise	-0.09953	0.62855	ATP6VOD1	turquoise	-0.057317055	0.776434365	PKNOX1	turquoise	0.075168	0.715151
PROSC	turquoise	-0.09943	0.628896	RASA1	turquoise	-0.057256596	0.776664303	BAX	turquoise	0.075531	0.713828
S100A16	turquoise	-0.09925	0.629547	NIP2A	turquoise	-0.056571828	0.7792699	RRN3P1	turquoise	0.076007	0.712102
WNK1	turquoise	-0.09922	0.629645	MRPS17	turquoise	-0.056339372	0.780154946	NFKB1Z	turquoise	0.076801	0.709223
PLEC	turquoise	-0.09861	0.631756	ITGAL	turquoise	-0.056186656	0.780736537	FBX13	turquoise	0.07695	0.708682
SPATA2	turquoise	0.098545	0.631981	CDK2AP2	turquoise	-0.056080485	0.781140938	RBM7	turquoise	0.076981	0.708569
GRP107	turquoise	-0.09852	0.63208	CYB5D2	turquoise	-0.055903893	0.781813692	FAM217B	turquoise	0.077446	0.706885
TRNT1	turquoise	-0.09849	0.632165	AHCYL2	turquoise	-0.055705399	0.78257007	HDAC10	turquoise	0.07777	0.705713
SH3TC1	turquoise	-0.09841	0.632446	ARMC6	turquoise	-0.055473482	0.783454051	CHD2	turquoise	0.079083	0.700968
MSRA	turquoise	0.098312	0.632794	HOMER1	turquoise	-0.055418272	0.78366453	CHIC2	turquoise	0.079666	0.698864
RTTN	turquoise	-0.09825	0.632992	PTEN	turquoise	-0.054955838	0.785428065	PIGO	turquoise	0.079812	0.698338
PGP	turquoise	-0.09791	0.634183	NCPB2	turquoise	-0.054265229	0.788063686	ETFHD	turquoise	0.080134	0.697177
RWDD2A	turquoise	-0.09766	0.635061	TWISTNB	turquoise	-0.054089576	0.78873441	KCNAB2	turquoise	0.08054	0.695711
MAGT1	turquoise	0.097627	0.635174	MAU2	turquoise	-0.053888168	0.789503655	WDR58	turquoise	0.081365	0.692745
CFL1	turquoise	0.09761	0.635233	HAU54	turquoise	-0.053709198	0.790187368	RAB10	turquoise	0.081463	0.692392
RAB12	turquoise	-0.09756	0.635398	RMI1	turquoise	-0.053380627	0.791442985	POLR2I3	turquoise	0.081695	0.691558
MRPL18	turquoise	0.097498	0.635625	MON2	turquoise	-0.053289649	0.791790745	SLC9A1	turquoise	0.082201	0.689741
MRPS36	turquoise	-0.09694	0.63756	ACOT8	turquoise	-0.053074085	0.792614881	IQSEC1	turquoise	0.082688	0.687991
CD30LF	turquoise	-0.09688	0.637794	DISP1	turquoise	-0.052343073	0.795411272	RANBP3	turquoise	0.083593	0.684749
AKAP10	turquoise	-0.09671	0.638365	ZNF714	turquoise	-0.052064331	0.796478213	MOV10	turquoise	0.084066	0.683057
ARPC5L	turquoise	-0.09641	0.639413	SNX16	turquoise	-0.051858151	0.79726764	KIAA1737	turquoise	0.084271	0.682324
RFX7	turquoise	-0.09632	0.639741	USP11	turquoise	-0.051541827	0.798479166	APOBR	turquoise	0.084578	0.681224
NFKBIA	turquoise	-0.09583	0.641434	GTPBP10	turquoise	-0.051518116	0.798569998	GEN1	turquoise	0.085302	0.678639
VPS4B	turquoise	-0.09581	0.641497	CDK11	turquoise	-0.051422408	0.798936663	PION	turquoise	0.085977	0.676229
KIP3CG	turquoise	-0.09566	0.642024	VPS8	turquoise	-0.051387677	0.799069731	TMEM48	turquoise	0.086265	0.675205
COX21	turquoise	-0.09555	0.642407	HAGH	turquoise	-0.051295316	0.799423624	SMN1	turquoise	0.086458	0.674516
GRK5	turquoise	-0.09549	0.64262	ITPKB	turquoise	-0.050827021	0.801218561	TUBE1	turquoise	0.086797	0.673309
DICER1	turquoise	-0.09529	0.643321	SNAPC1	turquoise	-0.050427783	0.802749588	IL28RA	turquoise	0.086797	0.673308
RNF148	turquoise	0.095147	0.643831	ITGB1	turquoise	-0.050180901	0.803696703	R3HCC1L	turquoise	0.087356	0.671319
CLIC2	turquoise	-0.09497	0.644446	CD226	turquoise	-0.050161898	0.803769617	SCARB2	turquoise	0.087562	0.670587
MDFC	turquoise	-0.09472	0.645333	MLLT6	turquoise	-0.050089306	0.80404816	ZBTB805	turquoise	0.087727	0.670001
FAM173B	turquoise	-0.09431	0.646775	NDUFA5	turquoise	-0.050035963	0.804252857	ZNRF2	turquoise	0.087801	0.669738
MRPL19	turquoise	-0.09429	0.646823	FBXO46	turquoise	-0.049969037	0.804509694	OGFD01	turquoise	0.088595	0.666919
C19orf54	turquoise	0.094251	0.646971	FAM208B	turquoise	-0.049625032	0.805830178	SRSF11	turquoise	0.088664	0.666676
G3BP2	turquoise	-0.09409	0.647541	RHOD	turquoise	-0.049425252	0.806597285	SNRPE	turquoise	0.08877	0.666299
ACE	turquoise	-0.09408	0.647559	SH3KB1	turquoise	-0.049422963	0.806606073	RAI1	turquoise	0.089869	0.662408
EPB41L3	turquoise	-0.09391	0.648174	VMAc	turquoise	-0.048459864	0.810306585	SYVN1	turquoise	0.090919	0.658696
AIM1	turquoise	-0.0939	0.648195	ZBTB25	turquoise	-0.04838484	0.810595018	DENND4B	turquoise	0.0915	0.656644
GEN1	turquoise	0.09384	0.648412	SLC39A8	turquoise	-0.048363488	0.81067711	NUP54	turquoise	0.091773	0.655683
RNL29	turquoise	-0.09359	0.649286	MTMR3	turquoise	-0.046842851	0.816528548	RAB18	turquoise	0.091932	0.655124
PLXDC2	turquoise	0.093508	0.64958	ZNF654	turquoise	-0.046472747	0.817954181	FAM738	turquoise	0.092789	0.652105
METTL21B	turquoise	-0.09338	0.650019	AGTBP1	turquoise	-0.046414507	0.818178569	DUSP11	turquoise	0.092823	0.651987
SNHG4	turquoise	-0.09336	0.650111	SRP54	turquoise	-0.04635649	0.818402115	SLC25A45	turquoise	0.093313	0.650264
LLPH	turquoise	-0.09306	0.651138	PHAX	turquoise	-0.046306876	0.818593296	TREX1	turquoise	0.093969	0.647959
DPY30	turquoise	-0.09293	0.651613	FNTB	turquoise	-0.045876539	0.820251947	FKSG29	turquoise	0.094096	0.647515
RPTOR	turquoise	0.092699	0.652422	RRP1	turquoise	-0.045690244	0.820970219	PIGG	turquoise	0.09419	0.647184
NBEAL1	turquoise	-0.09251	0.653084	ST14	turquoise	-0.045497265	0.821714413	MGC2752	turquoise	0.09499	0.644382
MGST2	turquoise	-0.09239	0.653504	PFND6	turquoise	-0.045364625	0.822226003	AARS2	turquoise	0.095079	0.644407
TXNRD3	turquoise	-0.09238	0.653541	RXR8	turquoise	-0.045251577	0.822662087	ZNF26	turquoise	0.095213	0.6436
OGFOD1	turquoise	-0.09232	0.653753	ELOVL7	turquoise	-0.045184852	0.822919502	C7orf55	turquoise	0.095223	0.643567
UBR5	turquoise	0.092293	0.653853	TBL3	turquoise	-0.044907481	0.82398975	C1GALT1	turquoise	0.095406	0.642928
VAPB	turquoise	-0.09215	0.654366	FMN1	turquoise	-0.044856566	0.82418624	CYP1B1	turquoise	0.096473	0.639198
NDUFV2	turquoise	-0.09194	0.655103	PSMD12	turquoise	-0.044736912	0.82464805	GDPGP1	turquoise	0.096531	0.638996
DCUN1D4	turquoise	-0.09176	0.655741	SLC25A16	turquoise	-0.0445981	0.825183873	SCAF1	turquoise	0.097647	0.635104
CPVL	turquoise	-0.09175	0.655747	ATAD2	turquoise	-0.044262455	0.826479796	USP14	turquoise	0.09887	0.630855
SCFD1	turquoise	-0.09173	0.655838	TGFBRAP1	turquoise	-0.043807369	0.82823759	UBE2D2	turquoise	0.098934	0.630631
CEP152	turquoise	-0.09152	0.656569	RAD1	turquoise	-0.043414267	0.829756618	MOB4	turquoise	0.100681	0.624577
DLGAP4	turquoise	0.091108	0.658028	PRKAA1	turquoise	-0.043017383	0.831290864	STX16	turquoise	0.101228	0.622687
SLC25A16	turquoise	-0.09094	0.658608	UNC13B	turquoise	-0.042806744	0.832105386	POP5	turquoise	0.101633	0.621288
TMEM180	turquoise	-0.09079	0.659157	ADAMDEC1	turquoise	-0.04262794	0.832796936	ARL1	turquoise	0.10188	0.620438
SDHAP2	turquoise	-0.09054	0.660021	ZNF664	turquoise	-0.042449447	0.833487404	ABHD5	turquoise	0.101978	0.620098
MCPH1	turquoise	-0.09031	0.660843	HEXB	turquoise	-0.042373568	0.833780966	CSNK2B	turquoise	0.102281	0.619053
FZR1	turquoise	-0.09025	0.661066	PIB1	turquoise	-0.0421225	0.834752453	MBOAT1	turquoise	0.102308	0.618961
MCM3AP	turquoise	-0.09015	0.661404	FAM175B	turquoise	-0.041323415	0.837846016	SHISA5	turquoise	0.102797	0.617279
CXCL10	turquoise	-0.08975	0.662833	TEC	turquoise	-0.040688233	0.840306729	WBSRC16	turquoise	0.103702	0.614165
C7orf60	turquoise	-0.08967	0.663098	TIMM9	turquoise	-0.040479219	0.841116781	SPTLCL	turquoise	0.10403	0.613041
PCEID1A	turquoise	0.089192	0.664802	EGLN1	turquoise	-0.040466642	0.841165527	SP2	turquoise	0.104063	0.612929
R8orf76	turquoise	0.089172	0.664875	R3HDM4	turquoise	-0.040401917	0.841416408	SMPD2	turquoise	0.105296	0.608703
MALAT1	turquoise	0.088997	0.665496	ORC2	turquoise	-0.040008066	0.842943344	RABL2A	turquoise	0.105301	0.608684
ZNF229	turquoise	-0.08896	0.665621	ALKBH4	turquoise	-0.039994261	0.842996874	CCNY	turquoise	0.105693	0.607343
SPRYD7	turquoise	-0.08889	0.665587	RGPDB	turquoise	-0.039992292	0.843004509	MARVELD1	turquoise	0.106401	0.604927
SGSM3	turquoise	0.088375	0.667701	TDG	turquoise	-0.039410755	0.845260137	TOLLIP	turquoise	0.107113	0.602498
ESRRA	turquoise	0.088232	0.668207	AGAP2	turquoise	-0.03915087	0.846268546	PTGES3	turquoise	0.107175	0.602287
A4GALT	turquoise	0.088205	0.668303	PHLPP2	turquoise	-0.038581854	0.848477273	TOR3A	turquoise	0.10735	0.601691
THUMP2D	turquoise	-0.08814	0.668553	ALPK3	turquoise	-0.038072823	0.850454109	SHARPIN	turquoise	0.107441	0.601379
UBR4	turquoise	-0.08797	0.669131	AASDHPTT	turquoise	-0.037997082	0.850748329	ALMS1	turquoise	0.107719	0.600433
MLF1	turquoise	-0.08794	0.669256	RNF144B	turquoise	-0.037387869	0.853115535	PDS5A	turquoise	0.107723	0.600421
SLC26A2	turquoise	0.087429	0.671062	LOC10012991	turquoise	-0.037267968	0.853581581	ZBTB7A	turquoise	0.107937	0.599694
ANXA11	turquoise	-0.08741	0.671132	FAM221A	turquoise	-0.037235264	0.853708706	RAD51C	turquoise	0.108403	0.598109
FAM98C	turquoise	-0.08738	0.671226	PHI1D1	turquoise	-0.037088817	0.854278013	UBE2G1	turquoise	0.108837	0.596634
ATP5L	turquoise	-0.08721	0.671851	FAM91A1	turquoise	-0.036928188	0.854902533	SAYS1D	turquoise	0.109335	0.594946
ASMTL	turquoise	0.087162	0.67201	USP40	turquoise	-0.036718704	0.85571713	RABGAP1	turquoise	0.109359	0.594867
CYFIP1	turquoise	-0.08716	0.672035	MLST8	turquoise	-0.03641025	0.856916843	GMCL1	turquoise	0.110075	0.592442
GA2A	turquoise	-0.08713	0.672115	TLL4	turquoise	-0.035845072	0.85911587	CLCN6	turquoise	0.110104	0.592344
PGM3	turquoise	-0.08659	0.674036	VPS45	turquoise	-0.035045226	0.862229704	TRIM62			

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

TTYH3	turquoise	-0.08504	0.679568	SAYS1	turquoise	-0.032242467	0.873156539	CASC4	turquoise	0.115528	0.574119
PUS3	turquoise	-0.08502	0.67963	PI4KB	turquoise	-0.032106508	0.873687185	NTMT1	turquoise	0.115811	0.573175
TPP1	turquoise	-0.085	0.679702	AZIN1	turquoise	-0.032005094	0.874083036	KCTD7	turquoise	0.115963	0.572767
RPLP2	turquoise	0.084902	0.680068	RAVER1	turquoise	-0.031601942	0.875656955	HMG20A	turquoise	0.115967	0.572656
FAM49B	turquoise	-0.08488	0.680145	YPEL2	turquoise	-0.031564464	0.875802603	MRPL39	turquoise	0.11628	0.571613
ER1	turquoise	-0.0846	0.681137	MINK1	turquoise	-0.0309202	0.87831955	USP48	turquoise	0.116472	0.570972
ZBTB44	turquoise	-0.08456	0.681289	BCAP29	turquoise	-0.030883918	0.878461287	POLR1B	turquoise	0.116633	0.570437
GAPT	turquoise	-0.08454	0.681357	JMJD1C	turquoise	-0.030737578	0.879033017	SUV39H2	turquoise	0.116941	0.569414
TMEM2	turquoise	-0.08433	0.682128	C6orf106	turquoise	-0.030157742	0.881298916	ZNF202	turquoise	0.117443	0.567744
CCT8	turquoise	-0.08423	0.682474	IL7R	turquoise	-0.030010861	0.881873047	ATP13A2	turquoise	0.118973	0.562674
PFN4	turquoise	-0.08384	0.683873	FLOT2	turquoise	-0.029831616	0.882573765	SIGMAR1	turquoise	0.119495	0.56095
CCNL1	turquoise	-0.08382	0.683941	SAMD4B	turquoise	-0.029598895	0.883483662	GAK	turquoise	0.119516	0.560882
CAP7	turquoise	-0.08342	0.685354	RAB2A	turquoise	-0.029435873	0.884121132	TAF7	turquoise	0.11997	0.559384
RRN3P1	turquoise	0.08304	0.686732	ZNF282	turquoise	-0.029298788	0.884657235	PPAPDC1B	turquoise	0.120446	0.557812
SGK223	turquoise	-0.08287	0.687337	LXN	turquoise	-0.029141871	0.885270957	CUX1	turquoise	0.121115	0.555613
PRKI	turquoise	0.082476	0.688752	ANKRD39	turquoise	-0.028808196	0.88657622	SBN02	turquoise	0.121381	0.554739
POLR2J3	turquoise	-0.0824	0.689025	ST7	turquoise	-0.028311425	0.888520009	ADIPOR2	turquoise	0.12235	0.551558
PHF12	turquoise	-0.08217	0.689844	ARID1B	turquoise	-0.027446113	0.891907335	PPP1R3B	turquoise	0.123158	0.548914
EXOC8	turquoise	0.082102	0.690095	GNB2	turquoise	-0.027196449	0.892885011	GASS-AS1	turquoise	0.123172	0.548868
ZNRF2	turquoise	0.081904	0.690807	TEX264	turquoise	-0.026811696	0.894391992	CCDC126	turquoise	0.123189	0.548811
MED19	turquoise	0.081776	0.691268	ZNF576	turquoise	-0.026763054	0.894582535	SRCRB4D	turquoise	0.123369	0.548222
POLR2H	turquoise	0.081737	0.691408	CHCHD3	turquoise	-0.026624357	0.895125878	POLA1	turquoise	0.123854	0.546638
RASGRP4	turquoise	-0.08169	0.691593	ZNF460	turquoise	-0.026319034	0.896322141	EXOC3	turquoise	0.123933	0.546383
RANGAP1	turquoise	-0.08167	0.691654	MAGT1	turquoise	-0.026251202	0.896587941	APAF1	turquoise	0.12399	0.546197
SLC12A7	turquoise	-0.08148	0.69232	GALC	turquoise	-0.025302429	0.900306808	POLE	turquoise	0.124301	0.545183
RPL23	turquoise	-0.08138	0.692706	CCDC132	turquoise	-0.024281933	0.904309096	NDST1	turquoise	0.124472	0.544625
ZC3H13	turquoise	-0.0813	0.692966	ESRRA	turquoise	-0.024140304	0.904864732	ACOX3	turquoise	0.125174	0.54234
ARSD	turquoise	0.081302	0.692969	GPATCH2	turquoise	-0.023525521	0.907277148	ARHGAP22	turquoise	0.125695	0.540648
COPS8	turquoise	-0.08122	0.693266	CCT3	turquoise	-0.023438524	0.907618592	ABHD12	turquoise	0.126174	0.539094
KLHDC2	turquoise	0.081122	0.693617	MYCBP	turquoise	-0.022525448	0.911203156	TCF7L2	turquoise	0.126869	0.53684
SMARCA2	turquoise	-0.0811	0.693714	HLTF	turquoise	-0.022178908	0.912564053	PABPN1	turquoise	0.127146	0.535945
RPL37	turquoise	0.080706	0.695115	JMJD8	turquoise	-0.022138979	0.912720873	SEC24B	turquoise	0.127258	0.535585
UBE2K	turquoise	0.080667	0.695254	GTPBP6	turquoise	-0.021812644	0.914002673	BAG6	turquoise	0.128803	0.5306
RBM6	turquoise	0.080642	0.695345	POLR2J3	turquoise	-0.020798575	0.917987117	CIC	turquoise	0.129048	0.529812
C9orf41	turquoise	-0.08056	0.695652	GPAT2	turquoise	-0.020521415	0.919076465	IRF2BP1	turquoise	0.130326	0.52571
RPL26	turquoise	0.080493	0.695884	POLE	turquoise	-0.020179246	0.920421519	SLC7A7	turquoise	0.130747	0.524362
TFDP2	turquoise	-0.08023	0.69683	FBXO4	turquoise	-0.0200373	0.920979566	ZNF277	turquoise	0.131534	0.521848
PWWP2A	turquoise	-0.07986	0.698178	FTSJ2	turquoise	-0.019876645	0.92161121	NAA16	turquoise	0.131642	0.521502
CLSTN1	turquoise	-0.07955	0.699274	UHMK1	turquoise	-0.019682365	0.922375712	FGFR10P2	turquoise	0.132968	0.517277
NARS	turquoise	0.079539	0.699322	GCN1L1	turquoise	-0.019109784	0.924626901	CLCN7	turquoise	0.134477	0.512491
SPINT1	turquoise	0.079425	0.699731	HRAS	turquoise	-0.018541321	0.926863045	EXOC59	turquoise	0.135308	0.509865
TXNL1	turquoise	0.079406	0.6998	LOC1005072	turquoise	-0.017811331	0.92973538	SLC35A1	turquoise	0.135672	0.508718
NDUFBA2	turquoise	-0.0792	0.700539	RBM19	turquoise	-0.016283122	0.935751249	TMEM104	turquoise	0.136499	0.506113
VMAB21	turquoise	-0.07918	0.700609	ASB13	turquoise	-0.016220848	0.935996467	ATR	turquoise	0.136635	0.505686
KIAA0226L	turquoise	-0.07912	0.700816	ATF1	turquoise	-0.015886846	0.937311783	IBA57	turquoise	0.136667	0.505585
SDHB	turquoise	-0.07906	0.701055	PLK1S1	turquoise	-0.015688482	0.938093026	ROGDI	turquoise	0.137077	0.504296
TTCl	turquoise	0.079004	0.701253	YTHDF1	turquoise	-0.015364695	0.93936836	MBTD1	turquoise	0.138062	0.501207
PCMTD1	turquoise	-0.07899	0.701318	ADCY9	turquoise	-0.015329686	0.939506263	SOLH	turquoise	0.138207	0.500753
GNAI2	turquoise	0.07893	0.701519	POLRMT	turquoise	-0.015088325	0.940457043	SMPD4	turquoise	0.138235	0.500666
KATNA1	turquoise	0.078896	0.701643	HYAL2	turquoise	-0.014507227	0.942746454	SLC25A39	turquoise	0.13866	0.499338
GOLGA4	turquoise	0.07885	0.701807	DUSL3	turquoise	-0.014298518	0.943568833	ZNFX1	turquoise	0.142194	0.488358
MVP	turquoise	-0.07859	0.702748	BAG6	turquoise	-0.013826779	0.945427845	PSMC6	turquoise	0.143288	0.484982
PSMC6	turquoise	0.078571	0.702817	ELF4	turquoise	-0.013539589	0.946559731	YEATS2	turquoise	0.143554	0.484164
TRPM7	turquoise	-0.07856	0.702846	KLF13	turquoise	-0.013420603	0.947028715	NELF	turquoise	0.143574	0.484101
HOOK3	turquoise	-0.07842	0.703364	NDUFA6	turquoise	-0.013296861	0.947516458	TRRAP	turquoise	0.143627	0.48394
WRNIP1	turquoise	-0.07834	0.703651	FAM92A1	turquoise	-0.013244362	0.947723397	WIPF2	turquoise	0.143702	0.483709
PTRH1	turquoise	0.078193	0.704182	C15orf48	turquoise	-0.012892306	0.949111199	RASA4CP	turquoise	0.144301	0.481867
PITPNB	turquoise	0.078177	0.704241	NUP43	turquoise	-0.012817616	0.949405645	RBMX	turquoise	0.144962	0.479843
PTGER4	turquoise	-0.07794	0.70508	S100A10	turquoise	-0.01241731	0.950983854	FBXO22	turquoise	0.145695	0.477601
FN3K	turquoise	-0.07791	0.705194	PFND1	turquoise	-0.012112361	0.952186243	LOC1001909i	turquoise	0.146012	0.476631
LRRC23	turquoise	0.077687	0.706012	SLPI	turquoise	-0.012094538	0.95225652	SAMD4B	turquoise	0.146699	0.474537
PIGC	turquoise	0.077626	0.706233	METTL6	turquoise	-0.012024638	0.952532143	PAQR4	turquoise	0.147702	0.471487
SLC43A2	turquoise	-0.07739	0.707096	FAM98C	turquoise	-0.011719963	0.953733582	DCAF4	turquoise	0.147911	0.470854
MTMR2	turquoise	-0.07695	0.708676	CPQ	turquoise	-0.011445252	0.954816946	INPP5E	turquoise	0.148058	0.470409
LMF2	turquoise	-0.07692	0.708777	PRKI	turquoise	-0.011410946	0.954952239	TMEM115	turquoise	0.149171	0.467041
PLA2G6	turquoise	-0.07644	0.710529	MRP55	turquoise	-0.011235644	0.955643617	ECHDC2	turquoise	0.150015	0.464495
CEACAM4	turquoise	0.07614	0.711618	SETD1A	turquoise	-0.011039672	0.956416554	SIPA1	turquoise	0.151751	0.459282
HTATIP2	turquoise	-0.07595	0.712302	EPB41L4A	turquoise	-0.010887551	0.957016561	BCL9L	turquoise	0.152215	0.457896
TTBK2	turquoise	-0.07588	0.712576	C1AO1	turquoise	-0.010783341	0.957427606	NEU3	turquoise	0.152602	0.45674
UGGT1	turquoise	0.075664	0.713346	RPTOR	turquoise	-0.010594666	0.958171847	ACOT2	turquoise	0.152808	0.456126
SETDB2	turquoise	-0.0756	0.713577	ANKRD6	turquoise	-0.010586994	0.958202108	FGD4	turquoise	0.15418	0.452042
KCTD17	turquoise	-0.07555	0.713745	VP54B	turquoise	-0.010433365	0.958808134	LOC1001320	turquoise	0.154238	0.45187
COX17	turquoise	-0.07541	0.714279	RMND5B	turquoise	-0.009033083	0.964332847	USP11	turquoise	0.154626	0.450718
RBM4	turquoise	0.075312	0.714624	ARHGAP21	turquoise	-0.008806975	0.965225095	CDK18	turquoise	0.155417	0.448375
JC1005072	turquoise	-0.075	0.715762	CCDC28A	turquoise	-0.008618305	0.965969643	EGFL7	turquoise	0.157879	0.441131
HMG2	turquoise	-0.0749	0.71614	PDIK1L	turquoise	-0.008539792	0.966279488	NCKAP5L	turquoise	0.158438	0.439494
TRAP1	turquoise	-0.07464	0.717051	PNPO	turquoise	-0.008435362	0.966691616	PDGFC	turquoise	0.158874	0.43822
LDLRAD3	turquoise	-0.07452	0.717502	SLC9A8	turquoise	-0.008013889	0.968355029	CSOX2	turquoise	0.158951	0.437995
ERCC8	turquoise	0.074378	0.718024	FAM98A	turquoise	-0.00707789	0.972049557	EWSR1	turquoise	0.159296	0.436988
UTP23	turquoise	-0.07422	0.718598	PRPF4	turquoise	-0.007007604	0.97232701	CANT1	turquoise	0.159602	0.436098
PPM1K	turquoise	0.07412	0.718962	GFER	turquoise	-0.00595861	0.97468255	FAM21A	turquoise	0.159738	0.435702
ACS13	turquoise	-0.07379	0.720161	LOC1002895	turquoise	-0.00517041	0.979580327	SLC10A3	turquoise	0.160879	0.432387
HMGCL	turquoise	0.073698	0.720498	TOLLIP	turquoise	-0.005009267	0.980216613	BIRC7	turquoise	0.160969	0.432125
CSNK2A1	turquoise	0.073661	0.720632	NARG2	turquoise	-0.005004686	0.9802347	PLXNA3	turquoise	0.162307	0.428256
MRPL39	turquoise	-0.07349	0.721268	DSTN	turquoise	-0.004978626	0.9803376	HAAO	turquoise	0.163455	0.424955
ZFP91	turquoise	-0.07333	0.721854	CYBA	turquoise	-0.004877093	0.980738519	GPRIN3	turquoise	0.163793	0.423982
IWS1	turquoise	0.072897	0.72342	DHX40	turquoise	-0.004534513	0.982091273	C9orf9	turquoise	0.165037	0.420423
ABHD6	turquoise	0.0726	0.724502	IQGAP2	turquoise	-0.004415436	0.98256149	STARDB	turquoise	0.165166	0.420056
ZNF197	turquoise	-0.07199	0.726729	TMEM117	turquoise	-0.004084471	0.983868442	RAD23A	turquoise	0.165505	0.419089
IL27RA	turquoise	0.07179	0.72746	UXS1	turquoise	-0.00397378	0.98430556	ZCWPW1	turquoise	0.165587	0.418855
HSBP1L1	turquoise	-0.07174	0.727631	SP2	turquoise	-0.003597642	0.985790961	UNK	turquoise	0.165935	0.417864
PRKAR2A	turquoise	-0.07154	0.728364	EIF2AK4	turquoise	-0.003384634	0.98663217	RAB6A	turquoise		

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

GXYLT1	turquoise	-0.07023	0.733173	MAPK6	turquoise	-0.000102109	0.99596698	POLDIP3	turquoise	0.178443	0.383118
MY8BP1A	turquoise	-0.07019	0.733317	CCAR1	turquoise	-9.84654E-05	0.999611087	IRF3	turquoise	0.178872	0.381957
MBD4	turquoise	-0.07019	0.733328	OTUD6B	turquoise	0.000270816	0.998930349	UBR3	turquoise	0.17998	0.378966
PTGES3	turquoise	0.07008	0.733718	NBR1	turquoise	0.00049095	0.998060878	SARM1	turquoise	0.180355	0.377957
TMEM70	turquoise	-0.07007	0.733762	DCTN1	turquoise	0.000543723	0.997852439	ESRRA	turquoise	0.181315	0.375381
HDX36	turquoise	-0.07001	0.733979	WDR19	turquoise	0.001161896	0.99541084	LRP11	turquoise	0.181396	0.375165
OSBPL1A	turquoise	-0.06987	0.734499	PAPOLA	turquoise	0.001545462	0.993895887	PML	turquoise	0.182994	0.370901
PURB	turquoise	0.069688	0.735155	MYSM1	turquoise	0.001960933	0.992254944	ACTN4	turquoise	0.183124	0.370555
RBM7	turquoise	0.069605	0.735459	TRAM1	turquoise	0.002060019	0.991863598	TATDN1	turquoise	0.1843	0.367436
DNASE2	turquoise	-0.06957	0.735578	SLCA47	turquoise	0.002420295	0.990440685	TBC1D8	turquoise	0.184757	0.366228
GTF3C6	turquoise	-0.06941	0.736168	GLUD1	turquoise	0.003125045	0.987657354	ZBTB45	turquoise	0.185171	0.365136
PCGF1	turquoise	-0.06941	0.73619	RFWD2	turquoise	0.004082371	0.983876735	TAFL6	turquoise	0.186394	0.361921
KCNAB2	turquoise	-0.06918	0.737016	XAF1	turquoise	0.004088627	0.983852029	PAK4	turquoise	0.187426	0.359223
CASZ1	turquoise	-0.06896	0.737836	SCFD1	turquoise	0.004882373	0.980717669	JHDM1D	turquoise	0.188702	0.3559
MAP4	turquoise	-0.06886	0.73819	ZFYVE21	turquoise	0.004949782	0.980451496	TMCO4	turquoise	0.189483	0.353875
APC	turquoise	-0.06879	0.738458	ADCK1	turquoise	0.005368686	0.978797441	TJP2	turquoise	0.189623	0.353514
SPATA2L	turquoise	0.06863	0.739039	CLIC2	turquoise	0.007166253	0.971700752	ATXN1L	turquoise	0.189626	0.353507
MTOR	turquoise	-0.06854	0.739363	KIAA1107	turquoise	0.007569542	0.970108859	KIAA0247	turquoise	0.189746	0.353196
SFMBT2	turquoise	-0.06824	0.740473	GAB1	turquoise	0.008019582	0.968325262	LPAR2	turquoise	0.190422	0.351453
LSM1	turquoise	-0.06823	0.740502	ZFYVE28	turquoise	0.00831366	0.967171921	GLA	turquoise	0.190704	0.350725
GHTM	turquoise	-0.06821	0.74058	SBF2	turquoise	0.009194406	0.963696272	PKD1L1	turquoise	0.193039	0.344747
ERP44	turquoise	-0.0679	0.741719	CASP4	turquoise	0.009264255	0.963420656	KCTD10	turquoise	0.193583	0.343363
TWF1	turquoise	-0.06789	0.74174	CAPN7	turquoise	0.009268096	0.963405499	TBC1D25	turquoise	0.194303	0.341536
ZBED5	turquoise	-0.06786	0.741849	QTRT1	turquoise	0.009681353	0.961774929	SIAH2	turquoise	0.194321	0.341489
LUC7L3	turquoise	0.067746	0.742287	ID2	turquoise	0.009992781	0.960546236	HEATR7C	turquoise	0.1948	0.340277
RP58	turquoise	-0.06772	0.742399	TPT1	turquoise	0.010027481	0.960409338	PPCD	turquoise	0.196349	0.336376
SERPING1	turquoise	-0.06744	0.743399	UHRF1BP11	turquoise	0.010450482	0.958740611	TSPLY2	turquoise	0.197142	0.33439
CCDC82	turquoise	-0.06725	0.744101	NUP98	turquoise	0.010698821	0.957760997	MYO19	turquoise	0.197943	0.332389
CCDC28A	turquoise	-0.06673	0.746023	SLC4A11	turquoise	0.010766184	0.957495281	KIAA0195	turquoise	0.198099	0.332
ZCCHC10	turquoise	-0.06663	0.7464	EPT1	turquoise	0.010888746	0.957015396	MCFD2	turquoise	0.19899	0.329787
ZN5F74	turquoise	-0.06651	0.746834	STT3B	turquoise	0.010888776	0.957011731	ADPRH	turquoise	0.199288	0.329047
PIGO	turquoise	0.066294	0.747631	BBC3	turquoise	0.0109127	0.956917363	MAFK	turquoise	0.199855	0.327645
SCP2	turquoise	-0.06628	0.74768	CIB1	turquoise	0.011419521	0.954918424	ZNF274	turquoise	0.201288	0.324117
TCERG1	turquoise	-0.06627	0.747707	JAK2	turquoise	0.012070856	0.952349898	GRIN2D	turquoise	0.202099	0.32213
MAN2A1	turquoise	-0.06584	0.749291	NEK9	turquoise	0.012244995	0.951663265	SMAD6	turquoise	0.20226	0.321735
TMEM9	turquoise	-0.06574	0.749676	AHI1	turquoise	0.012326751	0.951340911	MAVS	turquoise	0.202382	0.321438
ELK4	turquoise	0.065704	0.749805	C14orf101	turquoise	0.012579899	0.950342822	FICD	turquoise	0.204002	0.317496
ZN5F43	turquoise	0.065645	0.750025	EZF3	turquoise	0.012605008	0.950243829	SNRNP70	turquoise	0.20482	0.315518
Z3H14	turquoise	0.065636	0.750057	RETSAT	turquoise	0.012837098	0.94932884	NEO1	turquoise	0.205238	0.314509
CSDA	turquoise	0.065408	0.7509	CARKD	turquoise	0.012846178	0.949293046	NAGLU	turquoise	0.205376	0.314177
C2orf18	turquoise	-0.06537	0.751051	IPD8	turquoise	0.013126456	0.948188166	EOGT	turquoise	0.207195	0.309817
ADH5	turquoise	-0.06532	0.751241	CD80	turquoise	0.013602012	0.946313698	DCAF8	turquoise	0.207949	0.30802
SUZ12P1	turquoise	-0.06528	0.751377	MRPL47	turquoise	0.014004931	0.944725759	SIK3	turquoise	0.21015	0.302812
GTF2H1	turquoise	-0.06523	0.751556	FCGR1A	turquoise	0.014090679	0.944387845	CNOT3	turquoise	0.210706	0.301504
TRIM39	turquoise	0.065173	0.751767	PPIC	turquoise	0.014510865	0.942732118	LOC388796	turquoise	0.21089	0.301074
TT14	turquoise	0.064619	0.753812	PFAS	turquoise	0.014748124	0.941797312	ZNF271	turquoise	0.211484	0.299682
ANO10	turquoise	-0.06453	0.754135	ANAPC4	turquoise	0.014944601	0.941023242	GAA	turquoise	0.21163	0.299342
ACOT7	turquoise	0.064488	0.754295	LOC728613	turquoise	0.015220981	0.939934465	TRMT1	turquoise	0.212276	0.297833
HCG18	turquoise	-0.06436	0.754775	PPP1R9B	turquoise	0.015826561	0.937549204	MSH6	turquoise	0.21229	0.297802
SKAP2	turquoise	-0.06436	0.754778	ZNF142	turquoise	0.015978331	0.936951495	RAVER1	turquoise	0.212519	0.297267
TCTEX1D2	turquoise	-0.06418	0.755423	GLE1	turquoise	0.015978845	0.936949472	MED13	turquoise	0.213985	0.29387
BICD2	turquoise	-0.06397	0.756208	TOMM34	turquoise	0.016421058	0.93520811	ZNF296	turquoise	0.215246	0.290965
WBSR16	turquoise	0.063744	0.757047	C16orf87	turquoise	0.017172479	0.93224981	DGKD	turquoise	0.215306	0.290827
C20orf194	turquoise	-0.06354	0.757796	UBR5	turquoise	0.017248946	0.931948814	PPM1G	turquoise	0.215742	0.289828
LYN	turquoise	0.062764	0.760673	ZNF280D	turquoise	0.017392667	0.931383109	DIS3L	turquoise	0.215847	0.289588
HDAC4	turquoise	0.062639	0.761136	ATF4	turquoise	0.017729592	0.930057057	UCK1	turquoise	0.216033	0.289163
RIF1	turquoise	-0.06262	0.761208	FBXO33	turquoise	0.017864099	0.92952772	MS4A6E	turquoise	0.217191	0.286523
SENPE6	turquoise	-0.06255	0.761449	DHX36	turquoise	0.018157542	0.928373012	LZTS2	turquoise	0.217588	0.285621
IL7R	turquoise	-0.06243	0.761909	ADAP1	turquoise	0.018352416	0.927606256	FIZ1	turquoise	0.219578	0.281127
LZTR1	turquoise	-0.06202	0.763422	NME7	turquoise	0.018892553	0.925481349	ZBTB48	turquoise	0.220228	0.279669
TUT1	turquoise	0.061942	0.763722	GPR89A	turquoise	0.019003151	0.925046317	C3orf18	turquoise	0.223218	0.273028
GTPBP3	turquoise	0.061601	0.764984	LOC387647	turquoise	0.019241931	0.924107159	ZSCAN29	turquoise	0.224488	0.270237
COP53	turquoise	-0.06152	0.765268	ATP9B	turquoise	0.01994164	0.921355666	PLBD2	turquoise	0.226819	0.26516
Z3H8	turquoise	-0.06111	0.766817	CMKP1	turquoise	0.020487722	0.919208901	NACC2	turquoise	0.227411	0.263882
CHN2	turquoise	-0.06108	0.766932	ANKHD1	turquoise	0.020499196	0.919163798	PER2	turquoise	0.228766	0.260971
FAM18B1	turquoise	0.060979	0.767295	U2AF1	turquoise	0.020560822	0.91892157	ABCC1	turquoise	0.229391	0.259633
WBP5	turquoise	-0.06087	0.767709	STAM2	turquoise	0.020775844	0.918076454	NSUN4	turquoise	0.2312	0.25579
CASP4	turquoise	-0.06085	0.767783	NFKB1B	turquoise	0.021034286	0.917060795	BCKDK	turquoise	0.232192	0.253701
DPH3	turquoise	-0.06069	0.768359	LMBRD2	turquoise	0.021351415	0.915814673	PIGH	turquoise	0.232316	0.25344
ERIC1H	turquoise	-0.06058	0.768785	PHTF2	turquoise	0.021596576	0.914851472	DAGLA	turquoise	0.232322	0.253426
XRCC4	turquoise	-0.06052	0.769009	NUDT22	turquoise	0.022455893	0.911476285	NOTCH1	turquoise	0.233512	0.250934
LOC286367	turquoise	0.059877	0.771388	E1F4A3	turquoise	0.022488568	0.911347975	JUND	turquoise	0.234856	0.24814
PRKAA1	turquoise	-0.05963	0.772291	SCARNA3	turquoise	0.023216566	0.908489796	ATAD1	turquoise	0.235179	0.247469
UNC50	turquoise	-0.05959	0.772455	TARBP1	turquoise	0.023431604	0.90764575	TRIM5	turquoise	0.235852	0.246081
C17orf70	turquoise	0.059587	0.772467	FAR2	turquoise	0.023837181	0.90605409	CCS	turquoise	0.238345	0.240977
MIS18BP1	turquoise	-0.05907	0.77439	CDC42EP1	turquoise	0.023900346	0.905806233	EDC4	turquoise	0.238757	0.24014
EROL1	turquoise	-0.05899	0.774702	TT14	turquoise	0.024416915	0.903779577	ANP8	turquoise	0.238955	0.239739
PPP1R3B	turquoise	0.058985	0.774707	POT1	turquoise	0.024528749	0.903340894	TNFAIP1	turquoise	0.238965	0.239718
EXOC5	turquoise	-0.05894	0.774893	CDKN2AIPN	turquoise	0.024894179	0.901907643	DDX51	turquoise	0.242019	0.233584
MAN2C1	turquoise	0.058926	0.774926	OSM	turquoise	0.025040297	0.901334639	TULP4	turquoise	0.242473	0.232682
BCL2L13	turquoise	0.05861	0.776105	ARFGF1	turquoise	0.025668782	0.89887058	DPH1	turquoise	0.243884	0.229891
SHOC2	turquoise	-0.05841	0.77684	SNORA71D	turquoise	0.026767096	0.894566702	GSTO1	turquoise	0.245447	0.226823
RPS14	turquoise	-0.05831	0.777203	CNCL1	turquoise	0.026827683	0.894329367	PLXNA1	turquoise	0.24569	0.226349
DDX51	turquoise	-0.05821	0.7776	IFRD2	turquoise	0.027131263	0.893140304	IFIT5	turquoise	0.245809	0.226118
CLN5	turquoise	-0.05792	0.77868	MCOLN1	turquoise	0.027400334	0.892086594	DCP1A	turquoise	0.246494	0.224786
FBXW4	turquoise	-0.05778	0.779192	TOR1A	turquoise	0.027446286	0.891906658	TRIM41	turquoise	0.246515	0.224744
FARP1	turquoise	0.057686	0.779548	TTC3	turquoise	0.027590409	0.891342348	ANKRD6	turquoise	0.249311	0.219362
EPB41L1	turquoise	-0.05759	0.779892	ABCD4	turquoise	0.02820481	0.888937256	SLC4A2	turquoise	0.251643	0.214938
WASF2	turquoise	-0.05759	0.779914	MOB3C	turquoise	0.028512423	0.887733459	DYRK1B	turquoise	0.251878	0.214496
LPAR2	turquoise	-0.05757	0.779963	ZFC3H1	turquoise	0.029155594	0.885217283	ARL6IP6	turquoise	0.255724	0.207343
SRSF11	turquoise	-0.05756	0.780008	CLF1	turquoise	0.029179877	0.885122305	C17orf102	turquoise	0.258445	0.202382
TEF	turquoise	0.05733	0.780877	ATP2C1	turquoise	0.030067019	0.88165353	CLN7orf113	turquoise	0.260033	0.1995

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

TMEM39A	turquoise	0.05536	0.788235	PDXP	turquoise	0.037687508	0.851951077	INTS1	turquoise	0.287946	0.153739
DTW02	turquoise	-0.05535	0.788261	CHIC2	turquoise	0.037760528	0.851667351	IFITM1	turquoise	0.291346	0.148721
ANKRD6	turquoise	0.05066	0.789335	LAS1L	turquoise	0.039286728	0.845741359	CxorF56	turquoise	0.294923	0.143571
TOLLIP	turquoise	0.054634	0.790949	TMEM39A	turquoise	0.039600317	0.844524745	SLC12A4	turquoise	0.296533	0.141296
ALG13	turquoise	0.054564	0.791211	NUDCD1	turquoise	0.040144051	0.842416075	MED22	turquoise	0.306261	0.128093
SAR1A	turquoise	-0.05439	0.791846	SLC15A3	turquoise	0.04023636	0.842058196	FBXO6	turquoise	0.307575	0.126382
THRA	turquoise	0.054352	0.792005	VPS33A	turquoise	0.04064749	0.84046462	MIER2	turquoise	0.316971	0.114624
FAM134A	turquoise	-0.05434	0.792051	ARRDC2	turquoise	0.040704171	0.840244969	RIT1	turquoise	0.317699	0.113747
CMYP1	turquoise	-0.05421	0.792526	MTM1	turquoise	0.041149956	0.838518255	SLC16A13	turquoise	0.333477	0.095948
DDHD1	turquoise	-0.05365	0.794619	ER11	turquoise	0.041260386	0.838090188	FBXL2	turquoise	0.334482	0.09489
EAPP	turquoise	-0.05357	0.794921	PIAS1	turquoise	0.04144642	0.837369663	HEXD2	turquoise	0.334899	0.094453
SNORD94	turquoise	-0.05353	0.795071	UTP23	turquoise	0.041524825	0.837066057	KIAA1432	turquoise	0.335594	0.093728
CLCN6	turquoise	0.053369	0.795688	HSDL2	turquoise	0.042236514	0.834311254	WDR6	turquoise	0.338709	0.090533
CAMTA1	turquoise	0.053368	0.795694	PDSS2	turquoise	0.042341045	0.833906795	SNF8	turquoise	0.349024	0.080535
CERS6	turquoise	0.053151	0.796507	FAM1188	turquoise	0.042525893	0.833191672	BRAT1	turquoise	0.354972	0.075165
DYNC1I2	turquoise	-0.05302	0.797014	NLRP1	turquoise	0.04260802	0.832873985	CROCCP2	turquoise	0.357707	0.072789
JC1001323!	turquoise	-0.05296	0.797231	POLDIP3	turquoise	0.042644852	0.83273152	TRMT10B	turquoise	0.360376	0.070527
ZNF589	turquoise	-0.05294	0.797311	ATP13A2	turquoise	0.04279763	0.832140631	LENG9	turquoise	0.369158	0.063462
FBXO33	turquoise	-0.05288	0.797537	UBE2D1	turquoise	0.043004519	0.831340604	ANKRD54	turquoise	0.38346	0.053142
FAM134B	turquoise	-0.05286	0.797582	TFDP2	turquoise	0.043074859	0.83106864	VPS16	turquoise	0.395704	0.045393
RASA1	turquoise	-0.05267	0.7983	GPR157	turquoise	0.043137164	0.830827761	CNP	turquoise	0.398766	0.043602
TMEM126#	turquoise	-0.05267	0.798323	CEP104	turquoise	0.043318925	0.830125128	PCK2	turquoise	0.409217	0.037905
RAB3GAP2	turquoise	-0.05263	0.798453	NUPL1	turquoise	0.043786504	0.828318202	FCHSD1	turquoise	0.431307	0.02781
TM2D1	turquoise	-0.05254	0.798809	GTF2H3	turquoise	0.043850201	0.828072116	TNK2	turquoise	0.478064	0.013504
KIF1B	turquoise	0.052529	0.798839	UBE2J2	turquoise	0.043942615	0.827715112	LOC339803	violet	-0.27593	0.172434
SDHAF2	turquoise	0.051974	0.800924	TMCO3	turquoise	0.044062413	0.827252369	COMM02	violet	-0.23528	0.247252
TBC1D24	turquoise	-0.05197	0.800934	SNAI3	turquoise	0.044461571	0.825710955	ALDH3A2	violet	-0.23167	0.25479
NUP50	turquoise	-0.05192	0.801115	PPP2R1A	turquoise	0.044645553	0.825006694	CDC84	violet	-0.22346	0.272501
FKBP3	turquoise	-0.05181	0.80154	CNEP1R1	turquoise	0.045459992	0.821858167	P2RY1	violet	-0.21753	0.285752
SDF2	turquoise	0.051788	0.801622	BIN2	turquoise	0.045596334	0.82133235	MACC1	violet	-0.21105	0.300707
VASN	turquoise	-0.0516	0.802318	SPATS2	turquoise	0.046304261	0.818603371	JAKMIP2	violet	-0.20591	0.312886
NCK1	turquoise	-0.05159	0.802353	LYL1	turquoise	0.046678481	0.817161625	C10orf137	violet	-0.19884	0.330158
PION	turquoise	-0.0512	0.803815	DNAAF2	turquoise	0.046706206	0.817054833	NBP1	violet	-0.19738	0.333798
CCDC163P	turquoise	-0.05086	0.805126	DNPEP	turquoise	0.046859247	0.816465401	SLC39A4	violet	-0.19655	0.335862
STXB3	turquoise	-0.05076	0.805499	CMTM6	turquoise	0.047827002	0.812740403	DNAH1	violet	-0.19566	0.338106
FAM210A	turquoise	0.050691	0.805742	ZXDB	turquoise	0.04945782	0.806472221	PER3	violet	-0.1918	0.347913
MGAT2	turquoise	-0.05068	0.805776	VAC14	turquoise	0.050065965	0.804137725	SLC38A6	violet	-0.18598	0.363
DMX11	turquoise	-0.05051	0.806443	MALAT1	turquoise	0.050223298	0.803534037	GRB10	violet	-0.18415	0.367845
EBAG9	turquoise	-0.05013	0.80785	TA1F3	turquoise	0.050291909	0.803270808	FARS2	violet	-0.16445	0.422115
EIF2AK4	turquoise	0.050082	0.808037	KIAA0528	turquoise	0.05033185	0.803117584	MITF	violet	-0.16374	0.424142
PRPF39	turquoise	-0.04979	0.809137	MED29	turquoise	0.05047977	0.802550183	QTRTD1	violet	-0.16185	0.429584
SNX13	turquoise	-0.04958	0.809914	ZNF266	turquoise	0.050508836	0.802438701	LGALS1	violet	-0.15446	0.451206
SNW1	turquoise	0.049232	0.811237	SLAMF7	turquoise	0.051309261	0.799370189	FAM149B1	violet	-0.14912	0.467194
RAB2A	turquoise	-0.04919	0.811374	OGDH	turquoise	0.051822515	0.797404106	PIP5K1	violet	-0.14831	0.469638
CYP251	turquoise	0.048873	0.812588	ERP44	turquoise	0.051914946	0.797050162	PDXK	violet	-0.12927	0.52911
NFXL1	turquoise	-0.04886	0.812655	DAP3	turquoise	0.053110219	0.792476719	SNX24	violet	-0.09036	0.660673
PICALM	turquoise	0.048464	0.814127	IMPA2	turquoise	0.053236056	0.791995617	LYZ	violet	-0.08884	0.666048
ASXL1	turquoise	0.048261	0.814895	MRPS24	turquoise	0.053548609	0.790800987	CDC42EP3	violet	-0.07858	0.702801
CD4	turquoise	-0.04822	0.815054	OSCAR	turquoise	0.054004521	0.789059239	TCEA3	violet	-0.06505	0.752223
ELL3	turquoise	-0.0482	0.815114	SLC25A25	turquoise	0.054467599	0.787291129	MICAL1	violet	-0.03746	0.855841
VRK2	turquoise	-0.04792	0.81619	GOLPH3L	turquoise	0.054840585	0.785867752	TMEM9	violet	0.009322	0.96395
SFXN3	turquoise	-0.04776	0.816784	BNIP2	turquoise	0.054944974	0.785469509	GADD45G	violet	0.011672	0.95487
CLCN7	turquoise	-0.04755	0.817585	CLPTM1L	turquoise	0.055056684	0.785043389	SIL1	violet	0.023938	0.907594
POP5	turquoise	-0.04699	0.819695	FAM18B1	turquoise	0.055832432	0.782085978	KIF16B	violet	0.049237	0.811216
TRMT1	turquoise	0.046603	0.821152	SLC19A3	turquoise	0.056348936	0.78018528	ITM2B	violet	0.060322	0.769733
SKP1	turquoise	-0.04639	0.821946	CYB5A	turquoise	0.056587135	0.779211633	SNORA68	violet	0.089402	0.664062
CNOT1	turquoise	-0.04639	0.821961	ZCCHC10	turquoise	0.056727482	0.778677421	MOB3B	violet	0.097063	0.63714
FOLR3	turquoise	-0.04638	0.821999	GRN	turquoise	0.056819493	0.778327247	SMAP2	violet	0.099108	0.630027
CRLF3	turquoise	-0.04615	0.822845	ANKRD54	turquoise	0.057209125	0.776844859	FBXO25	violet	0.183511	0.369527
SLRP	turquoise	0.04577	0.824298	RGPD6	turquoise	0.057710858	0.774937099	LRCH4	violet	0.184422	0.367113
FOXO3B	turquoise	-0.04553	0.825218	SFXN3	turquoise	0.057960264	0.773989246	SNORA84	violet	0.185651	0.363872
SIRT3	turquoise	-0.04535	0.825874	PELI1	turquoise	0.058274317	0.772796155	PELI2	violet	0.208243	0.307321
HSPA9	turquoise	0.045303	0.826063	LOC728730	turquoise	0.058481445	0.772009548	FAM129A	violet	0.214109	0.293584
CHIC2	turquoise	0.04527	0.826189	GATAD1	turquoise	0.058614856	0.771503011	SCARNA7	violet	0.227238	0.264255
SLC33A1	turquoise	0.045237	0.826312	HPCAL1	turquoise	0.059178392	0.769364385	PRKDCBP	violet	0.243674	0.230304
B3GALNT1	turquoise	0.04509	0.826869	KDM5A	turquoise	0.060614318	0.763922499	ABTB1	violet	0.259834	0.19988
BCL7B	turquoise	-0.04507	0.826928	NAASO	turquoise	0.061838881	0.759290255	SNORA33	violet	0.295794	0.142337
ZNF417	turquoise	-0.04492	0.827497	OPA1	turquoise	0.062620883	0.756336344	DCLE1B	violet	0.31508	0.116922
ZBTB80S	turquoise	-0.0449	0.827594	SLC39A7	turquoise	0.063398408	0.753402657	FAM100B	violet	0.507589	0.008121
HCF1R1	turquoise	-0.04489	0.827635	ERCC8	turquoise	0.063646371	0.752467762	PDHB	white	-0.39067	0.048461
TMCC1	turquoise	0.044757	0.82813	CTBP1	turquoise	0.063909623	0.751475601	ANAPC15	white	-0.356	0.074265
ITH5	turquoise	-0.04463	0.828616	PIGC	turquoise	0.065027198	0.747267912	KLIF	white	-0.31276	0.11979
VKORC1	turquoise	-0.0446	0.82874	PLBD2	turquoise	0.065744875	0.744569557	MAF	white	-0.28515	0.157955
NOTCH1	turquoise	0.044294	0.829882	ZNF638	turquoise	0.065750185	0.744549606	FOS	white	-0.28439	0.159105
SNRPG	turquoise	-0.04419	0.830284	RAB10	turquoise	0.065755121	0.744531058	C1orf162	white	-0.28223	0.162435
RUSC1	turquoise	0.044185	0.830295	KAT6B	turquoise	0.065801416	0.744357097	ABHD13	white	-0.26864	0.184523
TMEM30A	turquoise	-0.04406	0.830778	TBC1D23	turquoise	0.066327677	0.742380477	PABPC1	white	-0.259	0.201376
PSTPIP2	turquoise	-0.04359	0.832535	NEU1	turquoise	0.067135843	0.739348133	PIGM	white	-0.25543	0.207893
PPAT	turquoise	0.043501	0.832884	CDC123	turquoise	0.067734613	0.73710392	KIAA1143	white	-0.21815	0.284353
PM2M2	turquoise	-0.04348	0.832954	APAF1	turquoise	0.067958819	0.736264126	LRP1	white	-0.2051	0.314833
BDP1	turquoise	-0.04342	0.833178	ZNF226	turquoise	0.067963385	0.736247025	RPL13P5	white	-0.20361	0.318437
BNIP2	turquoise	-0.04335	0.83346	MEF2A	turquoise	0.068280158	0.735061023	ZNF710	white	-0.20102	0.324763
MRPL2	turquoise	-0.04324	0.83386	NETO2	turquoise	0.068472648	0.734340627	TET3	white	-0.19395	0.342437
SOLH	turquoise	0.043167	0.834152	ZFYVE16	turquoise	0.068548214	0.734057881	TAPBP1	white	-0.18781	0.358229
SRCR84D	turquoise	0.042853	0.83534	SPINT1	turquoise	0.068728111	0.733384892	SH2B1	white	-0.18678	0.360909
NUDCD1	turquoise	0.042348	0.837255	TUBGCP3	turquoise	0.068772887	0.733217418	CNN2	white	-0.18592	0.363172
NDUF8B	turquoise	-0.04217	0.837933	RPAP2	turquoise	0.068799319	0.733118561	ELMO1	white	-0.17223	0.400163
SHISA5	turquoise	-0.04183	0.839219	PURB	turquoise	0.068961207	0.732513178	EIF4G3	white	-0.16878	0.409815
NCF498	turquoise	0.041764	0.83947	RBM3	turquoise	0.069101699	0.731987929	AXL	white	-0.16116	0.431577
TCF20	turquoise	-0.04175	0.83952	LAMTOR3	turquoise	0.06928556	0.731300721	GAB3	white	-0.15666	0.4447
PQLC1	turquoise	-0.04159	0.840117	JUNB	turquoise	0.06944339	0.730710969	SNP2	white	-0.14726	0.472834
ATE1	turquoise	0.041369	0.840968	LAMTOR4	turquoise	0.070216369	0.727824796	ZNF510	white	-0.14287	0.486257
KNTC1	turquoise	0.041273	0.841335	TBC1D8	turquoise	0.070375					

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

CTNNAL1	turquoise	0.040227	0.845309	PIK3R1	turquoise	0.07340612	0.715953467	ZZEF1	white	-0.08056	0.695624
PLBD2	turquoise	0.040216	0.84535	ICOS	turquoise	0.073712864	0.714815194	PCTP	white	-0.07542	0.714232
RAC2	turquoise	0.040213	0.84536	PIP4K2C	turquoise	0.073969469	0.713863437	ZFH3	white	-0.06506	0.752199
KLHL26	turquoise	-0.04021	0.84539	IFNAR2	turquoise	0.073983811	0.713810252	ZNF417	white	-0.05544	0.787952
GATA01	turquoise	-0.04016	0.845558	ASB6	turquoise	0.074089028	0.71342013	ZNF529	white	-0.04846	0.81414
PPP6R1	turquoise	0.040049	0.845986	PPDCD	turquoise	0.074372224	0.712370443	SNX29	white	-0.04587	0.823926
PER2	turquoise	-0.03998	0.846243	CRCP	turquoise	0.074997354	0.710055168	RASGRP4	white	-0.04573	0.824435
ATGA4	turquoise	-0.03986	0.846717	ZDHH4	turquoise	0.076678626	0.70384079	CCPG1	white	-0.04219	0.837873
CAMSAP2	turquoise	-0.03964	0.847557	RP56KA1	turquoise	0.077367744	0.701298978	AMD1	white	-0.03902	0.849912
NCOA3	turquoise	-0.03937	0.848561	UBQLN2	turquoise	0.077798329	0.699712349	TSC2	white	-0.03692	0.857882
ATAD3B	turquoise	0.03935	0.84864	C17orf103	turquoise	0.078810138	0.695988871	PDIA3P	white	-0.0334	0.871326
GDF15	turquoise	-0.03935	0.848657	C5orf24	turquoise	0.07885693	0.695816842	LOC152217	white	-0.0303	0.883169
USP8	turquoise	-0.03863	0.851369	TSPAN31	turquoise	0.079731458	0.692604364	SLC4A11	white	-0.0158	0.938951
ACAP3	turquoise	-0.03848	0.851948	CD101	turquoise	0.080079022	0.691329065	PLCB2	white	-0.01349	0.947849
PAPOLA	turquoise	-0.03808	0.853462	TAF12	turquoise	0.080753876	0.688855205	VAPA	white	-0.00329	0.987269
ANKRD13D	turquoise	-0.03807	0.853522	MTA3	turquoise	0.081132665	0.687468017	ARHGAP27	white	-0.0028	0.989186
AGTPBP1	turquoise	-0.03794	0.854015	EID1	turquoise	0.081894309	0.684681738	GALNT10	white	0.005869	0.977298
UBE2D2	turquoise	0.037932	0.854038	RIPK2	turquoise	0.082788476	0.681415792	ARF4	white	0.009533	0.963134
RCHY1	turquoise	-0.03786	0.854321	ATG7	turquoise	0.083093296	0.68003713	KCTD12	white	0.015142	0.941476
R3HDM1	turquoise	-0.03759	0.855335	ABCC1	turquoise	0.083122768	0.680196224	CD63	white	0.027973	0.892102
TMEM41B	turquoise	-0.03713	0.857089	SLC12A4	turquoise	0.083149671	0.68009811	DCTN2	white	0.036094	0.861041
FBXL18	turquoise	-0.037	0.857573	SF3B1	turquoise	0.083394154	0.679206729	PUM1	white	0.041677	0.839799
RGPD8	turquoise	0.036988	0.857632	INTS10	turquoise	0.083418954	0.679116331	ARHGAP32	white	0.049911	0.80868
SPTLC1	turquoise	0.03684	0.858197	PPP2R1B	turquoise	0.083876255	0.677450229	CTS1	white	0.057596	0.779883
SART3	turquoise	-0.03683	0.858238	DNAJC18	turquoise	0.084862185	0.673863188	SDF4	white	0.084308	0.682192
DNAJC2	turquoise	-0.03672	0.85866	ARHGAP5	turquoise	0.084958328	0.67351377	CCDC28A	white	0.103923	0.613408
FAM206A	turquoise	-0.03647	0.859623	FAM49B	turquoise	0.085180735	0.672705712	FBXW11	white	0.109258	0.595207
SWAP	turquoise	0.035967	0.861527	CINP	turquoise	0.085414849	0.671855505	TOMM34	white	0.111239	0.58851
CACUL1	turquoise	0.035809	0.862129	CRLF3	turquoise	0.085527873	0.671445187	ATP5B	white	0.138056	0.501228
SETD5	turquoise	0.035521	0.863228	PCNA	turquoise	0.08703976	0.665965386	C1QB	white	0.146121	0.476298
ARHGAP18	turquoise	-0.03543	0.863572	ZMYM1	turquoise	0.087374049	0.664756005	C12orf57	white	0.149758	0.46527
BTBD10	turquoise	0.035237	0.864308	PIAS2	turquoise	0.08748258	0.664363541	KHDRBS1	white	0.172207	0.400229
C6orf62	turquoise	-0.03466	0.866503	VPS28	turquoise	0.087563399	0.664071343	SPIRE2	white	0.177977	0.384383
CRYBB2P1	turquoise	-0.03454	0.866957	CBL	turquoise	0.087636097	0.66380855	ANGPT4	white	0.190676	0.350799
ODF2	turquoise	0.034542	0.866964	HRSF12	turquoise	0.087932035	0.662739165	E1F1B	white	0.218062	0.284547
ZNF337	turquoise	0.034317	0.867823	FGR	turquoise	0.088110848	0.662093331	PNRC2	white	0.218988	0.282456
ATXN3	turquoise	-0.03425	0.868061	TBC1D25	turquoise	0.088987244	0.658931395	ANXA7	white	0.257209	0.204625
ITH4	turquoise	-0.034	0.869045	WBSR16	turquoise	0.089115711	0.658468376	MARS2	white	0.261437	0.19702
KIAA0020	turquoise	-0.03378	0.869867	DNAJB6	turquoise	0.089387331	0.657489819	ZSCAN16	white	0.269938	0.182322
INO80E	turquoise	-0.03324	0.871953	TMEM165	turquoise	0.08924505	0.655556181	KCTD18	white	0.384111	0.052705
PSMD12	turquoise	-0.03306	0.87264	ZFP36L2	turquoise	0.090590917	0.653160343	PCDC6IP	yellow	-0.61821	0.000763
VPS13C	turquoise	-0.03305	0.872656	EV12A	turquoise	0.09063002	0.653019867	TUBB	yellow	-0.49652	0.009877
KIAA1522	turquoise	-0.033	0.87286	POLR3GL	turquoise	0.091172178	0.651073369	SLC7A6	yellow	-0.49535	0.01008
POLR2B	turquoise	-0.033	0.872865	ZMYM6	turquoise	0.091233871	0.650852016	SNHG8	yellow	-0.46685	0.0162
ABHD12	turquoise	-0.03224	0.875766	HMOX2	turquoise	0.091234525	0.650849667	ACOT4	yellow	-0.44385	0.023125
SMAD5	turquoise	0.032178	0.875998	RCHY1	turquoise	0.091520841	0.64982275	CKAP2	yellow	-0.43885	0.024908
ZNF513	turquoise	-0.03209	0.876323	NADSYN1	turquoise	0.091859652	0.648608356	EMC1	yellow	-0.42662	0.029747
KLF3	turquoise	-0.03154	0.878444	ZNF83	turquoise	0.091944677	0.64830374	YWHA8	yellow	-0.42319	0.031232
CXCL9	turquoise	-0.03121	0.879681	TUBA1A	turquoise	0.092125051	0.647657701	CBY1	yellow	-0.42065	0.032368
JMJD1C	turquoise	-0.03119	0.879764	KPNB1	turquoise	0.092584242	0.646014161	POLR3F	yellow	-0.41833	0.033434
RUFY3	turquoise	-0.03088	0.880962	ZMYM2	turquoise	0.092859434	0.645029969	VT11B	yellow	-0.41696	0.034078
TMEM117	turquoise	-0.03083	0.881157	HSPA13	turquoise	0.093842592	0.641518594	CAPN2	yellow	-0.41684	0.034138
DENN4D8	turquoise	0.030467	0.882542	ERGIC2	turquoise	0.094067468	0.640716497	MZT2B	yellow	-0.41415	0.035432
DNAJA2	turquoise	0.030466	0.882549	CCDC7	turquoise	0.096081285	0.633551158	GLUL	yellow	-0.40504	0.040105
ALAD	turquoise	-0.03044	0.882633	CYTI1	turquoise	0.096384449	0.63247524	DNMBP	yellow	-0.40224	0.041635
ZNF668	turquoise	0.030246	0.88339	USP8	turquoise	0.097024044	0.630207742	GLIPR1	yellow	-0.40109	0.042281
SRFBP1	turquoise	0.030201	0.883563	AGPAT6	turquoise	0.097072315	0.630036741	INTS6	yellow	-0.39715	0.044538
AP4E1	turquoise	-0.02921	0.887366	BAX	turquoise	0.097204711	0.629567829	TMEM222	yellow	-0.39701	0.044624
BLMH	turquoise	-0.0292	0.887404	MAN2A2	turquoise	0.09826276	0.625825527	RP515A	yellow	-0.39361	0.046653
SLC27A1	turquoise	0.029045	0.88799	LACE1	turquoise	0.098672156	0.624379919	RPL35A	yellow	-0.3929	0.047086
LOC152217	turquoise	-0.02899	0.888196	HIC2	turquoise	0.098872761	0.623672061	MRPL52	yellow	-0.38876	0.04967
KDM5A	turquoise	0.028758	0.88909	KBTBD8	turquoise	0.099300383	0.62216424	HIST1H3E	yellow	-0.38149	0.054482
GSTO1	turquoise	-0.02841	0.890441	COP57A	turquoise	0.099391581	0.621842861	SRSF2	yellow	-0.38122	0.054667
RCE1	turquoise	-0.02807	0.891717	CUL4B	turquoise	0.099668264	0.620868256	KIAA0494	yellow	-0.38104	0.054791
BUB3	turquoise	-0.02807	0.891734	FAM135A	turquoise	0.100145283	0.619189441	RPUSD1	yellow	-0.37992	0.055562
KLIF6	turquoise	-0.02805	0.891805	MBD1	turquoise	0.100550436	0.617765015	DDT	yellow	-0.37583	0.058471
GPATCH4	turquoise	0.027912	0.892334	RTTN	turquoise	0.100682457	0.617301148	UBE4A	yellow	-0.37527	0.058878
PGAP1	turquoise	-0.02786	0.892544	ARHGAP22	turquoise	0.100807305	0.616862619	ABR	yellow	-0.3713	0.061824
NETO2	turquoise	-0.0274	0.894293	CTSF3	turquoise	0.100872813	0.616632571	DNAJB1	yellow	-0.37042	0.062497
OMA1	turquoise	-0.02731	0.894654	FAM206A	turquoise	0.100989051	0.616224463	ORAI2	yellow	-0.36322	0.068179
HINT3	turquoise	-0.02708	0.895533	E1F253	turquoise	0.10116841	0.615594953	HIST1H2BC	yellow	-0.36287	0.068459
TRIM25	turquoise	-0.02695	0.896028	SMCHD1	turquoise	0.101500491	0.614430126	INPP1	yellow	-0.36282	0.068502
TASP1	turquoise	-0.0269	0.896217	PCDC2L	turquoise	0.101561719	0.61421546	DARS2	yellow	-0.36143	0.069652
GUSBP11	turquoise	0.026556	0.897538	BCL7C	turquoise	0.101631486	0.613970893	CPPED1	yellow	-0.36136	0.069706
MEF2A	turquoise	-0.02651	0.897719	ALAD	turquoise	0.101788147	0.613421864	REEP4	yellow	-0.36069	0.070263
SLC35A1	turquoise	-0.02647	0.897877	SRSF11	turquoise	0.10194733	0.612864207	TMEM64	yellow	-0.35795	0.072582
JHDM1D	turquoise	-0.0262	0.898892	DCAF13	turquoise	0.102075201	0.612416396	NEIL2	yellow	-0.35688	0.073502
NMD3	turquoise	-0.02602	0.899605	MAD2L2	turquoise	0.102200403	0.611978062	MCU	yellow	-0.3556	0.074617
MOB4	turquoise	0.025893	0.900084	DGCR6L	turquoise	0.102217854	0.611916976	LOC541471	yellow	-0.3549	0.075229
DAGLA	turquoise	-0.02567	0.900936	SERPINH1	turquoise	0.102270607	0.611732337	ARPP19	yellow	-0.35257	0.077303
EPB41L2	turquoise	-0.02559	0.901247	GBF1	turquoise	0.102530476	0.610823101	DTD1	yellow	-0.35065	0.079036
EMRAP	turquoise	0.02555	0.901401	HSPA9	turquoise	0.103597316	0.607096333	NRBP1	yellow	-0.35044	0.07923
DNPEP	turquoise	-0.0255	0.901593	SCARB2	turquoise	0.104276757	0.60472784	RPL10	yellow	-0.34841	0.081104
TNFRSF10C	turquoise	0.025407	0.901951	CWF19L2	turquoise	0.104299538	0.604648496	LOC92249	yellow	-0.34789	0.081596
FRY	turquoise	-0.02535	0.902183	FICD	turquoise	0.104453964	0.604110746	C5orf27	yellow	-0.34757	0.081888
DPH1	turquoise	-0.02527	0.902461	SQSTM1	turquoise	0.104521434	0.603875864	DAGLB	yellow	-0.34699	0.082436
GPI	turquoise	-0.0252	0.902755	ZNRF2	turquoise	0.104723246	0.603173526	RNASEH2B	yellow	-0.34695	0.082475
ODC1	turquoise	0.025004	0.903497	HMG20B	turquoise	0.104772508	0.603002137	RRAS	yellow	-0.3468	0.082621
PTK2	turquoise	0.024893	0.903924	C7orf73	turquoise	0.104908124	0.602530422	MRP63	yellow	-0.34528	0.084059
ARF4	turquoise	0.024418	0.90575	HSPB1L1	turquoise	0.105187258	0.601559999	SNX18	yellow	-0.34479	0.08453
PCDC7	turquoise	0.02432	0.906124	STK38L	turquoise	0.105449597	0.600648568	BCAP31	yellow	-0.34301	0.086255
SMC5	turquoise	0.024164	0.906725	GOLM1	turquoise	0.105464452	0.600596976	NDUFB10	yellow	-0.342	0.087245
KIAA0196	turquoise	0.023935	0.907606	UNC45A	turquoise	0.105531049	0.600365701	KLIF10	yellow	-0.34107	0.08816

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

SNX16	turquoise	-0.02344	0.909493	HDAC3	turquoise	0.109487888	0.58669317	IFT140	yellow	-0.3315	0.098058
UBE2D1	turquoise	-0.02342	0.909594	ZNF7	turquoise	0.109512463	0.586608679	PTP4A2	yellow	-0.33122	0.09836
INTS1	turquoise	0.02338	0.90974	RAP1B	turquoise	0.109922573	0.585199448	PHF21A	yellow	-0.33092	0.098683
FAM208A	turquoise	-0.02335	0.909859	TAB2	turquoise	0.110684173	0.582586346	RPS27	yellow	-0.33002	0.099656
PHF3	turquoise	0.023336	0.909909	EBAG9	turquoise	0.111453944	0.579950414	TPMT	yellow	-0.32983	0.099867
CWC22	turquoise	-0.02309	0.910849	KLHD2	turquoise	0.111754534	0.57892253	WDR74	yellow	-0.32977	0.09993
PHF6	turquoise	-0.02234	0.913726	MKNK2	turquoise	0.112777158	0.575431639	UBE2A	yellow	-0.32944	0.100286
ROMO1	turquoise	-0.02229	0.913917	ACAT1	turquoise	0.113110628	0.574295307	FAM103A1	yellow	-0.32909	0.100673
UBE3B	turquoise	-0.02226	0.914048	PAK4	turquoise	0.113790651	0.571981157	CHD1L	yellow	-0.32833	0.101512
TCTEX1D4	turquoise	0.022218	0.914208	KCTD5	turquoise	0.115074969	0.56762195	RAF1	yellow	-0.32569	0.104447
GTF2H5	turquoise	-0.02198	0.915144	ARID2	turquoise	0.1151467	0.567378921	TCEA1	yellow	-0.3255	0.104668
FTO	turquoise	-0.02187	0.915552	VMA21	turquoise	0.116646395	0.562308651	RPL5	yellow	-0.32479	0.10547
AMPD2	turquoise	-0.02177	0.915924	NCLN	turquoise	0.11675162	0.56195367	CHAMP1	yellow	-0.32376	0.10664
HCK	turquoise	0.021656	0.916371	FGFR1OP2	turquoise	0.118282676	0.556800147	MGAT5	yellow	-0.32257	0.108016
UNK	turquoise	0.021515	0.916913	ALCAM	turquoise	0.118540435	0.555934665	DHX57	yellow	-0.3224	0.108205
SLC25A35	turquoise	0.021464	0.917112	SPSB1	turquoise	0.118641739	0.555594683	RPL13AP2C	yellow	-0.32156	0.109183
CFD	turquoise	0.021211	0.91843	DBR1	turquoise	0.119097739	0.554065504	STUB1	yellow	-0.32024	0.110728
ARPC5	turquoise	0.020919	0.91921	MRPL21	turquoise	0.119544271	0.552569949	SNORA48	yellow	-0.32016	0.110827
VAMP8	turquoise	-0.02071	0.92001	TCIRG1	turquoise	0.119606706	0.552360984	PLEKH11	yellow	-0.31985	0.111184
FMNL2	turquoise	0.020636	0.920296	GNA13	turquoise	0.120026239	0.550957798	RASSF3	yellow	-0.31937	0.11175
CAP1	turquoise	-0.02064	0.920297	TXNL1	turquoise	0.120396355	0.549721262	BRPF1	yellow	-0.31833	0.112994
SEMA3C	turquoise	0.020522	0.920735	KIAA0930	turquoise	0.121591258	0.545737945	SLC35B2	yellow	-0.31793	0.113468
TRRAP	turquoise	0.020433	0.921079	TSP0	turquoise	0.121805173	0.545026263	RPS9	yellow	-0.31767	0.113786
C11orf58	turquoise	0.020344	0.921421	HDAC5	turquoise	0.122719787	0.541988276	VPRBP	yellow	-0.31767	0.113787
EIF2AK2	turquoise	-0.02032	0.921498	SNX17	turquoise	0.123442397	0.539593677	THOC3	yellow	-0.31717	0.11438
GPR89C	turquoise	-0.02027	0.921705	YWHAH	turquoise	0.124762599	0.535231642	MIDN	yellow	-0.31663	0.115031
DAB2	turquoise	-0.02023	0.921851	PTTG1IP	turquoise	0.125965053	0.531273233	RPS14	yellow	-0.31621	0.115548
SMCHD1	turquoise	0.020228	0.92187	GPR153	turquoise	0.126206485	0.530480134	TPD52	yellow	-0.31614	0.115628
EIF253	turquoise	-0.0202	0.921963	SMPD4	turquoise	0.126654218	0.52901084	TMEM106F	yellow	-0.31581	0.116034
TNF	turquoise	0.019776	0.923608	SEPH52	turquoise	0.126751523	0.52869178	RNP51	yellow	-0.31469	0.117402
SYVN1	turquoise	0.01974	0.923747	MLPH	turquoise	0.126907336	0.52818106	SETD9	yellow	-0.31463	0.117474
THBS1	turquoise	-0.01969	0.923955	PATL1	turquoise	0.126957573	0.528016448	TM6IM6	yellow	-0.31433	0.11784
PLCG2	turquoise	0.019269	0.925564	YAE101	turquoise	0.127122552	0.527476024	MCRS1	yellow	-0.31419	0.118021
AMFR	turquoise	-0.01887	0.927094	TREM2	turquoise	0.128017614	0.524548682	RHOA	yellow	-0.31218	0.12052
SUGP1	turquoise	0.018557	0.928306	PUS3	turquoise	0.12812501	0.524197963	ACP2	yellow	-0.31216	0.120541
MED8	turquoise	-0.01853	0.928401	ORAOV1	turquoise	0.128486175	0.523019353	GLRX	yellow	-0.31107	0.121905
RAP1B	turquoise	0.018401	0.928905	RBMS2	turquoise	0.128523006	0.522899232	PPP1R35	yellow	-0.31085	0.122182
ATG12	turquoise	0.018356	0.929082	UGGT1	turquoise	0.128559939	0.522778792	COP55	yellow	-0.30972	0.123628
NUDT19	turquoise	-0.01818	0.929761	ZNF589	turquoise	0.129654032	0.51921698	GID8	yellow	-0.30884	0.124746
RPL22	turquoise	0.018161	0.929834	TBC1D20	turquoise	0.129839955	0.518612879	ERLIN2	yellow	-0.30879	0.124818
HEATR5A	turquoise	0.018009	0.930417	FKTN	turquoise	0.12992672	0.51833108	TMEM230	yellow	-0.30821	0.125558
PJA2	turquoise	-0.01793	0.930729	RAB31P	turquoise	0.12993254	0.51831218	XRN2	yellow	-0.30818	0.125603
MST4	turquoise	0.017879	0.93092	HSF1	turquoise	0.130141821	0.517632784	CALHM2	yellow	-0.30792	0.125931
FER	turquoise	-0.01787	0.930971	OSBP1L	turquoise	0.132477544	0.510079728	ARMCX3	yellow	-0.30744	0.126562
NCDN	turquoise	-0.01783	0.931121	TSR2	turquoise	0.132809848	0.50900957	LRR1	yellow	-0.30723	0.126834
ASH1L-AS1	turquoise	0.017603	0.931984	PHF6	turquoise	0.132850325	0.508879292	COX8A	yellow	-0.30693	0.12722
MRPL33	turquoise	-0.0176	0.932005	ZADH2	turquoise	0.133064164	0.508191311	HP54	yellow	-0.306	0.128439
IPO4	turquoise	0.017334	0.933021	MED13	turquoise	0.13312384	0.507999398	EMD	yellow	-0.30494	0.129831
MFAP1	turquoise	0.017262	0.933299	RCC1	turquoise	0.133460541	0.506917265	ANPEP	yellow	-0.30475	0.130088
LMBRD2	turquoise	-0.01724	0.9334	HSD17B4	turquoise	0.134071195	0.50495515	PSMCS5	yellow	-0.30423	0.130774
H6PD	turquoise	-0.01721	0.933504	CCDC66	turquoise	0.134972129	0.502073177	H2AFY	yellow	-0.30222	0.133465
CNT2	turquoise	-0.01718	0.933615	LRWD1	turquoise	0.13515746	0.501480847	POLR13	yellow	-0.30186	0.133944
TBCA	turquoise	-0.01699	0.934356	C19orf25	turquoise	0.136237307	0.498036495	ALG12	yellow	-0.30164	0.134255
LILRB2	turquoise	-0.01689	0.934743	PQLC1	turquoise	0.136550665	0.497039204	FBXW8	yellow	-0.30149	0.134458
CD58	turquoise	-0.01684	0.934926	ADNP2	turquoise	0.136729142	0.496471633	POLX1	yellow	-0.30128	0.134731
SIPA1L2	turquoise	-0.01657	0.935967	TM9SF3	turquoise	0.136860715	0.496053427	POLR1D	yellow	-0.30128	0.134737
HOMER1	turquoise	-0.01642	0.936552	PAP5S1	turquoise	0.137619727	0.493644348	MFAP5	yellow	-0.30014	0.136294
COP52	turquoise	0.016239	0.937243	PTPLA	turquoise	0.137769514	0.493169623	USP46	yellow	-0.29994	0.136561
PLAU	turquoise	0.015958	0.938326	BLMH	turquoise	0.138203926	0.491794132	UNC13D	yellow	-0.29978	0.136789
PPP2R1B	turquoise	0.015678	0.939407	CD58	turquoise	0.139339441	0.488207863	ACTL6A	yellow	-0.2985	0.138555
RABGAP1L	turquoise	-0.01557	0.939806	TMEM62	turquoise	0.139509943	0.487670514	ACYP2	yellow	-0.29824	0.138908
TAF9	turquoise	-0.01556	0.939862	IKZF2	turquoise	0.139572641	0.487472993	C6orf57	yellow	-0.29777	0.139567
CD74	turquoise	0.015443	0.940312	PLAU	turquoise	0.141915744	0.480120548	FAM168A	yellow	-0.29739	0.140092
EIF5	turquoise	-0.01543	0.940353	TSNARE1	turquoise	0.142538174	0.478177005	RPL12	yellow	-0.297	0.14064
PHC2	turquoise	0.014982	0.942091	BLCL1	turquoise	0.143015683	0.476688722	CD68	yellow	-0.29637	0.141531
STK38L	turquoise	-0.01494	0.942259	LZTS2	turquoise	0.143300676	0.4758016	ATP1B1	yellow	-0.29549	0.142772
TLN1	turquoise	0.014923	0.942321	STBD1	turquoise	0.143956216	0.473764278	C8orf33	yellow	-0.29537	0.14293
CEP85L	turquoise	-0.01488	0.94247	KIAA1429	turquoise	0.14507038	0.470311971	ARSA	yellow	-0.29348	0.145633
PPM1G	turquoise	-0.01488	0.942497	RAB6A	turquoise	0.145497832	0.468990956	TRIM47	yellow	-0.29215	0.147557
MFAP3	turquoise	-0.0148	0.942807	OTUD5	turquoise	0.145998209	0.467447018	ATG9A	yellow	-0.29207	0.147676
UBE2V1	turquoise	-0.01469	0.943222	CFDP1	turquoise	0.146129535	0.467042244	C12orf52	yellow	-0.29108	0.149111
ANAPC7	turquoise	0.014638	0.943418	LMLN	turquoise	0.146873739	0.464751904	KCNQ1	yellow	-0.29093	0.149335
XBP1	turquoise	-0.01445	0.944137	C7orf60	turquoise	0.147774995	0.461986096	COPA	yellow	-0.29053	0.149908
REPS1	turquoise	0.01432	0.944648	YEATS2	turquoise	0.148862175	0.45866123	HIST1H4B	yellow	-0.28975	0.151068
FARSA	turquoise	-0.01422	0.945037	G6PD	turquoise	0.149288427	0.457361089	CTTNBP2N1	yellow	-0.28925	0.151799
ATAD2B	turquoise	-0.01417	0.945223	GATC	turquoise	0.149924069	0.455425885	MSANTD4	yellow	-0.28851	0.152903
RAB10	turquoise	-0.01395	0.94607	EHPD2	turquoise	0.150124455	0.454816712	TCF3	yellow	-0.28815	0.153439
SGK3	turquoise	0.013951	0.946072	MAPKAPK3	turquoise	0.150734959	0.452963438	ZNF649	yellow	-0.28716	0.154922
VKORC1L1	turquoise	0.013562	0.947573	SLC35B3	turquoise	0.150837296	0.45265317	ATXN2	yellow	-0.28539	0.157591
CYP3A5	turquoise	0.013509	0.947778	TJP2	turquoise	0.150903287	0.452453158	COL8A2	yellow	-0.28485	0.158414
SEC31A	turquoise	-0.01326	0.94874	ATF6B	turquoise	0.151252922	0.451394228	GTF3C5	yellow	-0.28418	0.159427
ZNF319	turquoise	0.01319	0.949011	SMCS5	turquoise	0.152008928	0.449109039	RNF170	yellow	-0.28343	0.16058
CDC42EP1	turquoise	0.013158	0.949133	AKAP17A	turquoise	0.15208271	0.448886349	SNAPC4	yellow	-0.28284	0.161495
ITPR2	turquoise	-0.01314	0.949203	IRF5	turquoise	0.152948145	0.446278659	IRF8	yellow	-0.28246	0.162089
ZNF274	turquoise	-0.01302	0.949673	AMFR	turquoise	0.155125984	0.439752454	LMNB2	yellow	-0.28233	0.162293
CEP104	turquoise	0.013015	0.949684	MAGOH	turquoise	0.155245336	0.4399396293	TTI1	yellow	-0.28145	0.163657
SH3YL1	turquoise	0.01267	0.951017	MGAT4A	turquoise	0.155551991	0.438481905	ARPC1A	yellow	-0.28111	0.164187
COG7	turquoise	0.012546	0.951497	DHR53	turquoise	0.155776177	0.437814077	SLC38A9	yellow	-0.28041	0.165285
UBE2Q1	turquoise	-0.01247	0.951786	RNF121	turquoise	0.156178197	0.436617287	MRPL35	yellow	-0.28002	0.165891
DAZAP1	turquoise	-0.01191	0.953949	NSUN2	turquoise	0.156364123	0.436065249	STRN	yellow	-0.2791	0.167352
SLC39A8	turquoise	-0.01167	0.954888	FRA10AC1	turquoise	0.156851736	0.434617773	TMUB1	yellow	-0.2785	0.168305
TRMT11	turquoise	-0.01164	0.954992	PSMD9	turquoise	0.158378771	0.430101497	PITHD1	yellow	-0.27734	0.170159
DLST	turquoise	-0.01159	0.955177	SUN1	turquoise	0.159590431	0.42653627	FAM109A	yellow	-0.27593	0.172435
CNKN	turquoise	-0.01125	0								

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

DPYD	turquoise	-0.01042	0.959703	MOSPD1	turquoise	0.16474675	0.411546344	PLEKHM2	yellow	-0.27142	0.179842
SSX2IP	turquoise	-0.01038	0.959867	GBA	turquoise	0.165384847	0.409711979	LBX2-AS1	yellow	-0.27123	0.180158
CSNK2B	turquoise	0.009727	0.962387	UNC50	turquoise	0.167993946	0.402259126	POLE4	yellow	-0.27101	0.180525
DYNC1L1	turquoise	0.009396	0.963665	TMED1	turquoise	0.168351932	0.401242535	HACL1	yellow	-0.27028	0.181746
KFPZ586I14	turquoise	0.009349	0.963847	HDAC10	turquoise	0.168939311	0.401125121	METTL7	yellow	-0.27016	0.181941
STRN3	turquoise	-0.00921	0.964403	CD99L2	turquoise	0.168912082	0.399654756	CCDC137	yellow	-0.26816	0.185324
ZBTB41	turquoise	-0.00913	0.96468	E1F3H	turquoise	0.168935619	0.399588115	TTC5	yellow	-0.26784	0.185874
ARHGAP21	turquoise	-0.00909	0.964849	EXOSC7	turquoise	0.169521148	0.397932354	DNAJC14	yellow	-0.26781	0.18593
PPP3R1	turquoise	0.009039	0.965046	PDE4A	turquoise	0.169590104	0.397737616	POLR3C	yellow	-0.26742	0.186597
ZNFR80	turquoise	0.008622	0.966658	SH3BP1	turquoise	0.169804926	0.397131282	NUP88	yellow	-0.26631	0.188505
CSK	turquoise	0.007848	0.969648	NOP58	turquoise	0.170579561	0.394949233	NR2F6	yellow	-0.26484	0.191035
CHM	turquoise	-0.00784	0.969668	RAB43	turquoise	0.170758164	0.394447098	RPUSD4	yellow	-0.26475	0.191205
LDLRAP1	turquoise	-0.00776	0.970004	ZMI21	turquoise	0.172744936	0.38888586	TTC12	yellow	-0.26439	0.191821
RASGRP3	turquoise	-0.00773	0.970116	KIAA1737	turquoise	0.173353643	0.387191018	FGD2	yellow	-0.26355	0.193291
TMEM184E	turquoise	0.007665	0.970355	MRPL40	turquoise	0.173678118	0.386289303	FAM50A	yellow	-0.26308	0.194125
DESI1	turquoise	0.007649	0.970417	TAZ	turquoise	0.174928737	0.382825106	LDHD	yellow	-0.26294	0.194369
ARL1	turquoise	0.007533	0.970865	NUDT21	turquoise	0.175327389	0.381724613	KLHL36	yellow	-0.26246	0.195204
GRP180	turquoise	0.007501	0.97099	CWC22	turquoise	0.175774146	0.380493494	LRPAP1	yellow	-0.262	0.196019
CLCN3	turquoise	0.007413	0.971331	H1BCH	turquoise	0.176463158	0.378599289	SRD5A1	yellow	-0.26176	0.196442
H1BCH	turquoise	0.006952	0.973114	MID2	turquoise	0.177509167	0.37573408	RPUSD3	yellow	-0.26152	0.196878
BCL2L1	turquoise	-0.00685	0.973503	FMNL3	turquoise	0.178058481	0.374234457	ZFP90	yellow	-0.26108	0.197659
PILRA	turquoise	0.006789	0.973744	SLC33A1	turquoise	0.181468819	0.365002251	UBXN11	yellow	-0.26076	0.198217
SP1RE1	turquoise	0.006715	0.974027	PJA2	turquoise	0.182430603	0.362422937	IRAK1	yellow	-0.2606	0.198504
EZF3	turquoise	0.006574	0.974573	C4orf52	turquoise	0.18360476	0.359288647	DHR57B	yellow	-0.26055	0.198592
USP37	turquoise	0.00633	0.975519	PPP1R16A	turquoise	0.184733446	0.35629086	TFPT	yellow	-0.26044	0.198799
MGAT4A	turquoise	0.006242	0.975858	ACOT2	turquoise	0.185103799	0.355310439	PUF60	yellow	-0.25979	0.199967
EDC4	turquoise	0.006126	0.976305	USP48	turquoise	0.185396531	0.35453663	NBD1	yellow	-0.25959	0.200327
TRIM44	turquoise	-0.00609	0.976439	FCHSD1	turquoise	0.186978315	0.350372648	ZBTB49	yellow	-0.25954	0.200417
SLC9B2	turquoise	0.006019	0.976719	TBCK	turquoise	0.187351563	0.349394352	SNORA24	yellow	-0.2579	0.203369
ARFGF1	turquoise	0.005925	0.977082	MTMR10	turquoise	0.187440074	0.349162598	APS21	yellow	-0.25626	0.206368
CCDC41	turquoise	0.005901	0.977176	ALYREF	turquoise	0.188050869	0.347565828	UST	yellow	-0.25618	0.206509
SMEK1	turquoise	-0.00581	0.977547	DAB2	turquoise	0.18887712	0.345412754	RIPK3	yellow	-0.25614	0.206586
SLC35A4	turquoise	0.005801	0.977562	ATPAF2	turquoise	0.190334278	0.341635136	ZNF689	yellow	-0.25607	0.206703
NME7	turquoise	-0.00575	0.977759	DCP1B	turquoise	0.19122513	0.339344648	CS	yellow	-0.2559	0.207017
GPANK1	turquoise	0.005655	0.978126	DBNL	turquoise	0.191796792	0.337868693	SIVA1	yellow	-0.25585	0.207105
UZSURP	turquoise	0.00558	0.978419	SSSCA1	turquoise	0.192354108	0.336440038	SNX12	yellow	-0.25516	0.20839
DMC1	turquoise	0.005409	0.979077	SDHAF2	turquoise	0.192657219	0.335664561	NAGPA	yellow	-0.25345	0.211558
PHACTR1	turquoise	-0.0053	0.979497	INO80B	turquoise	0.19457923	0.33077247	AKAP1	yellow	-0.25325	0.211918
TAF1A	turquoise	0.005151	0.980075	STAR33NL	turquoise	0.195479865	0.328495063	TRMT10C	yellow	-0.25245	0.213423
DYM	turquoise	0.004619	0.982132	CCDC71	turquoise	0.196606671	0.326569218	PRKCD	yellow	-0.25228	0.213746
NUP153	turquoise	0.004223	0.983666	FKBP3	turquoise	0.197095779	0.32443294	ANKRD32	yellow	-0.25101	0.216142
AVP1	turquoise	0.004045	0.984354	RPIA	turquoise	0.198388358	0.321205823	CXCL2	yellow	-0.2497	0.218615
FAM208B	turquoise	-0.00385	0.98512	CNTRL	turquoise	0.198478504	0.320981498	STAR33	yellow	-0.24811	0.221671
RPS23	turquoise	0.003574	0.986176	SPR	turquoise	0.19867031	0.320504514	KAT8	yellow	-0.24797	0.221928
DCTD	turquoise	0.003524	0.98637	LIN7C	turquoise	0.199166303	0.319273091	SOX4	yellow	-0.24731	0.222206
NEDD4	turquoise	0.003445	0.986674	PPAP2A	turquoise	0.199209187	0.319166756	NARS2	yellow	-0.24629	0.225188
TIMP2	turquoise	0.003419	0.986774	FAM73B	turquoise	0.20089468	0.315004718	CDK11B	yellow	-0.24468	0.228325
CLK4	turquoise	0.002872	0.988889	CHFR	turquoise	0.2009255	0.314928924	ZNF470	yellow	-0.24307	0.231503
ZFAN1	turquoise	-0.00278	0.989261	PFKL	turquoise	0.20127134	0.314079217	USB1	yellow	-0.24212	0.233389
PABPC3	turquoise	-0.00233	0.990975	ZNF674	turquoise	0.204616653	0.305933142	STAC3	yellow	-0.24164	0.234345
UBQLN1	turquoise	0.001875	0.992746	THOP1	turquoise	0.204904746	0.305237822	ASAH1	yellow	-0.24086	0.2359
SLC30A7	turquoise	0.001695	0.993445	CAP1	turquoise	0.204914084	0.3052153	ARHGFE40	yellow	-0.24073	0.236163
JAK2	turquoise	0.00161	0.993773	C2orf29	turquoise	0.204921274	0.305197959	ERAP1	yellow	-0.2406	0.236426
ATAD1	turquoise	0.001569	0.993932	CCDC94	turquoise	0.206203518	0.302115425	TMEM173	yellow	-0.24003	0.237574
LINC00597	turquoise	0.001421	0.994503	SAT2	turquoise	0.206892957	0.300466071	PMPCB	yellow	-0.23989	0.237843
GNAI3	turquoise	0.001346	0.994795	KLF3	turquoise	0.207314726	0.299459848	PRDM10	yellow	-0.23884	0.23998
RAB5A	turquoise	-0.00093	0.996405	PKD1L1	turquoise	0.207764236	0.298389769	PARL	yellow	-0.23718	0.243343
UBD	turquoise	0.000518	0.997995	TPAN33	turquoise	0.209212367	0.294958746	TRADD	yellow	-0.23664	0.244468
RNF144B	turquoise	-0.00048	0.998138	HHEX	turquoise	0.210274123	0.292458981	CSR2P2B	yellow	-0.23663	0.244488
ENGASE	turquoise	-0.00042	0.99836	MYL12B	turquoise	0.211875541	0.288713988	PTGR1	yellow	-0.23629	0.245174
NCK1PSD	turquoise	0.000276	0.998931	ASB1	turquoise	0.212002971	0.288417295	RNH1	yellow	-0.23616	0.245449
TM9SF3	turquoise	-5.7E-06	0.999978	GABPA	turquoise	0.213279338	0.285456205	MLXIP	yellow	-0.23539	0.247034
SNORA24	white	-0.33297	0.096482	CD83	turquoise	0.213338531	0.285319351	GGT7	yellow	-0.23537	0.24707
SNORASC	white	-0.27475	0.174348	NBEAL1	turquoise	0.213388312	0.285204291	BCL11A	yellow	-0.23484	0.248167
ACIN1	white	-0.22487	0.269403	C6orf228	turquoise	0.214751586	0.282064728	SP1	yellow	-0.23471	0.248445
TUBG1	white	-0.2248	0.269557	PUS1L	turquoise	0.21524191	0.280940936	PRR12	yellow	-0.23407	0.249777
MFF	white	-0.20768	0.308649	GDI2	turquoise	0.215413312	0.280548764	FUK	yellow	-0.23353	0.250888
SNORA23	white	-0.20633	0.311891	PTPN23	turquoise	0.215612502	0.280093455	SLC39A3	yellow	-0.23311	0.251784
SNORA9	white	-0.19612	0.33696	C9orf91	turquoise	0.216079517	0.279027795	TAF4	yellow	-0.23231	0.253458
TMEM99	white	-0.19188	0.347718	SF3A1	turquoise	0.217032372	0.276861559	BEST1	yellow	-0.23131	0.25556
SNORA57	white	-0.18089	0.376515	TMCC1	turquoise	0.218702975	0.273089611	IPGK1	yellow	-0.23052	0.257221
SNOR17	white	-0.17502	0.392446	LPCAT2	turquoise	0.218956209	0.272520745	ENTPD6	yellow	-0.23034	0.257617
RBMX	white	0.174318	0.394388	CYP51A1	turquoise	0.220585301	0.268879338	PPM1B	yellow	-0.22872	0.261076
SNORA52	white	-0.17383	0.395732	KIAA1009	turquoise	0.222303016	0.265073956	TFEB	yellow	-0.22593	0.267089
SNORA2A	white	-0.16715	0.414415	ZBTB9	turquoise	0.222313535	0.265050759	PEX26	yellow	-0.22515	0.268783
ELAC1	white	-0.13748	0.503024	C3orf14	turquoise	0.223750242	0.261894973	CHCHD10	yellow	-0.22492	0.269296
SNORA65	white	-0.13552	0.509194	FRMD8	turquoise	0.224165723	0.260986913	FBXL19	yellow	-0.22446	0.270308
HHLA3	white	-0.12951	0.528339	PARP15	turquoise	0.226393969	0.256515836	BID	yellow	-0.22359	0.272205
SNORA62	white	-0.12662	0.537649	GDF15	turquoise	0.226503596	0.255915473	CISD3	yellow	-0.22358	0.272234
SNORA5A	white	-0.11627	0.571661	UBTD1	turquoise	0.226756202	0.25537138	HENMT1	yellow	-0.22357	0.272242
SNORA74A	white	-0.11181	0.586599	ISG20L2	turquoise	0.230114124	0.248210388	QARS	yellow	-0.22198	0.275755
SNORA71D	white	-0.10779	0.600179	CALCOCO1	turquoise	0.230208069	0.248011958	MARK4	yellow	-0.22175	0.276283
CD2AP	white	-0.10475	0.610573	ADRBK1	turquoise	0.230494539	0.247407528	TUFM	yellow	-0.22173	0.27633
KIDINS220	white	0.090939	0.658626	WWC2	turquoise	0.239911493	0.228076294	NOY1	yellow	-0.2217	0.276396
SNORA6	white	-0.08646	0.674525	SEC24B	turquoise	0.240436359	0.227029456	DIPET2	yellow	-0.22143	0.276988
SNORA71C	white	0.085939	0.676364	RUVBL2	turquoise	0.241159098	0.22559323	SQLC	yellow	-0.22075	0.278502
ZBTB11	white	-0.06992	0.734313	LCORL	turquoise	0.241710165	0.224502252	SLC2A9	yellow	-0.21971	0.280831
SNORA48	white	-0.06627	0.747702	CRLS1	turquoise	0.241955298	0.224018085	USP22	yellow	-0.21839	0.283806
NOA1	white	-0.05995	0.771102	RPL26	turquoise	0.242438884	0.223065005	SGK19E	yellow	-0.21762	0.285541
SNORA46	white	-0.05878	0.775478	E1F1B	turquoise	0.246907972	0.214385854	PRRC2A	yellow	-0.21725	0.28638
USP47	white	0.055894	0.786236	PIK3R5	turquoise	0.247851063	0.212583955	PPP1R26	yellow	-0.21639	0.288337
SNORD15B	white	0.036421	0.859795	MPV17	turquoise	0.247905453	0.212480349	NF1	yellow	-0.21628	0.288587
SNORA16A	white	0.035046	0.865039	FOXO3	turquoise	0.248319439	0.211692886	INTS8	yellow	-0.21591	0.289443
SNORA71B	white	-0.0									

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

ZNF564	yellow	-0.51781	0.006739	NOL12	turquoise	0.26514924	0.181342457	CMAHP	yellow	-0.20927	0.304894
ZFP90	yellow	-0.51287	0.00738	EDEM3	turquoise	0.267594007	0.177200207	WDR830S	yellow	-0.2073	0.309565
HNRNP3A3	yellow	-0.44919	0.021334	DCAF10	turquoise	0.268885962	0.175038124	CAMTA2	yellow	-0.20709	0.310062
TSNARE1	yellow	0.437112	0.025555	UQCRCF51	turquoise	0.270884597	0.17172992	GON4L	yellow	-0.20646	0.311577
TSFM	yellow	-0.43509	0.026322	DUSP3	turquoise	0.271176198	0.171250949	MRAS	yellow	-0.20627	0.312019
CRELD2	yellow	0.427053	0.029564	USP32	turquoise	0.27163236	0.170503561	LAMP1	yellow	-0.20584	0.31307
LRRC1	yellow	-0.41349	0.035755	PLEKH82	turquoise	0.273898195	0.166825138	HERPUD1	yellow	-0.20582	0.313119
JAGN1	yellow	-0.40006	0.042863	CCM2	turquoise	0.277414537	0.161228019	PHRF1	yellow	-0.205	0.315079
KDEL1	yellow	0.39956	0.043146	SPINT2	turquoise	0.27851725	0.159500526	TBP	yellow	-0.20463	0.315981
SEC61A1	yellow	0.39119	0.048139	CND8P1	turquoise	0.280679505	0.156151388	PPP1R11	yellow	-0.20449	0.31632
SLC39A6	yellow	-0.38983	0.048992	KRT79	turquoise	0.282069772	0.154024612	CEBPG	yellow	-0.20325	0.319328
CSNK2A2	yellow	0.386725	0.050981	LHFPL2	turquoise	0.284944189	0.149693111	PFAS	yellow	-0.20301	0.319913
C14orf169	yellow	0.386101	0.051389	CEACAM21	turquoise	0.285146058	0.149392223	MED15	yellow	-0.20294	0.32007
BLOC153	yellow	0.385783	0.051598	CSNK2B	turquoise	0.286667289	0.147138736	FHOD1	yellow	-0.20279	0.320452
CCDC75	yellow	-0.38383	0.052894	SUV39H2	turquoise	0.287483058	0.145940385	PLCG1	yellow	-0.2016	0.323343
GP2	yellow	0.380189	0.055378	BNIP3L	turquoise	0.287595235	0.14577615	MED1	yellow	-0.20075	0.325437
LENG9	yellow	0.379791	0.055655	FXC1	turquoise	0.288125131	0.145002133	GF2FH4	yellow	-0.19997	0.327366
KLHL12	yellow	-0.37622	0.058185	NDUFA4	turquoise	0.292904088	0.138154595	NENF	yellow	-0.19956	0.328366
POLK	yellow	-0.37228	0.06109	BCKDK	turquoise	0.298786937	0.130050294	SGSH	yellow	-0.19949	0.32855
FARS2	yellow	-0.36826	0.064156	MRFAP11L	turquoise	0.298909261	0.129885538	C16orf72	yellow	-0.19939	0.328796
PHIP	yellow	-0.36696	0.065178	GPR108	turquoise	0.300541964	0.127701018	SLC16A5	yellow	-0.19927	0.329087
CCDC9	yellow	0.363894	0.067628	PPAT	turquoise	0.301957442	0.125828946	C4orf48	yellow	-0.19758	0.333286
ITGB7	yellow	-0.35965	0.071133	ATP6V1D	turquoise	0.305927762	0.120685044	TMC8	yellow	-0.19679	0.335281
PPP2R3A	yellow	-0.35922	0.071497	ENY2	turquoise	0.308162902	0.117858059	ITPA	yellow	-0.19678	0.335297
CPPE21	yellow	-0.35614	0.074145	RIT1	turquoise	0.311471861	0.113762852	ZDHHHC13	yellow	-0.19647	0.336079
LOC285074	yellow	-0.35259	0.077277	CCT5	turquoise	0.318058424	0.10592565	KCNC4	yellow	-0.19616	0.336859
PCEID1B	yellow	-0.35157	0.078203	C19orf6	turquoise	0.319121029	0.1046699	LRSAM1	yellow	-0.19572	0.337964
TSSC4	yellow	0.351481	0.078282	ATAD1	turquoise	0.319829328	0.103888742	ASF1A	yellow	-0.19468	0.34057
TCEAL4	yellow	-0.34905	0.080512	PRICKLE3	turquoise	0.320014795	0.103677119	FGD3	yellow	-0.19352	0.343515
PLCD1	yellow	0.34686	0.082559	CHMP6	turquoise	0.323197376	0.100095576	CDV3	yellow	-0.19313	0.344507
TBC1D20	yellow	0.345694	0.083667	SNF8	turquoise	0.325542011	0.09751683	KIAA0533	yellow	-0.19274	0.345516
TMEM102	yellow	-0.34269	0.086572	KIAA0913	turquoise	0.339736283	0.082956331	SIRT7	yellow	-0.19206	0.347237
CTBS	yellow	-0.34039	0.088841	C1GALT1	turquoise	0.341184729	0.081569055	CMBL	yellow	-0.19183	0.347842
TMEM242	yellow	-0.33902	0.090216	BANF1	turquoise	0.350435153	0.073121849	BABAM1	yellow	-0.19159	0.348438
C16orf80	yellow	-0.33819	0.091064	ASTE1	turquoise	0.351401532	0.072279691	HP1BP3	yellow	-0.18948	0.353877
FAM111A	yellow	-0.33572	0.093598	CDKAL1	turquoise	0.354040259	0.070018086	IL4R	yellow	-0.18928	0.354399
CASP3	yellow	0.335707	0.093611	SUPT4H1	turquoise	0.374790613	0.054080194	LOC1002941	yellow	-0.18808	0.357509
CNTR0B	yellow	-0.33454	0.094824	ZDHHHC13	turquoise	0.378049193	0.051859412	SLC39A13	yellow	-0.1878	0.358256
GPR65	yellow	-0.3341	0.095296	UBE2L3	turquoise	0.385419634	0.047100299	TCTEX1D2	yellow	-0.18693	0.36053
WDFY2	yellow	0.333005	0.096448	RPL27A	turquoise	0.386734257	0.046288896	C7orf26	yellow	-0.18682	0.360811
GLUR1	yellow	-0.33281	0.096652	ATG4B	turquoise	0.39555454	0.041126486	CDC37	yellow	-0.18662	0.361332
GAPDH	yellow	0.332424	0.097067	COPE	turquoise	0.396949483	0.040353713	GSKIP	yellow	-0.1866	0.361385
MAP3K12	yellow	-0.32896	0.100811	NDUFAF2	turquoise	0.397078886	0.040282616	ZNF254	yellow	-0.18325	0.370215
NUBPL	yellow	-0.32881	0.100976	COPS5	turquoise	0.41489258	0.031405667	EPBA1	yellow	-0.18097	0.376307
PKD1	yellow	0.326195	0.103883	PSMC3	turquoise	0.42680947	0.026400938	TRPCAAP	yellow	-0.18018	0.378426
SYMPK	yellow	0.324706	0.105565	CENPV	turquoise	0.460492255	0.015643318	ATP2C1	yellow	-0.17962	0.379937
MRP535	yellow	-0.32304	0.107472	EFN81	turquoise	0.493222119	0.008944208	VPS37C	yellow	-0.1795	0.380272
ZNF493	yellow	-0.32101	0.109824	ARHGGEF12	turquoise	0.504924172	0.007227684	PARP2	yellow	-0.17934	0.380679
MMP15	yellow	0.320814	0.110054	VAT1	turquoise	0.548596359	0.003046781	GNB4	yellow	-0.1791	0.381336
MIB2	yellow	0.32071	0.110175	CWC25	white	-0.368645018	0.058470552	PBXIP1	yellow	-0.17861	0.382661
SNRPD3	yellow	-0.31922	0.111928	GLRX	white	-0.317487667	0.106588429	CNNG2	yellow	-0.17682	0.387523
ASF1A	yellow	-0.31833	0.112988	CUTA	white	-0.276190825	0.163160543	ZNF93	yellow	-0.17512	0.392184
MESDC1	yellow	0.318172	0.11318	TBCB	white	-0.267101121	0.178029799	HNMT	yellow	-0.1745	0.393894
STK35	yellow	-0.31664	0.115027	RPL13A	white	-0.266617277	0.178847103	GNPDA1	yellow	-0.17342	0.396875
FAM120B	yellow	0.314977	0.117049	C12orf44	white	-0.2501615	0.208213022	ALPK1	yellow	-0.17333	0.397112
HAU54	yellow	-0.31341	0.118975	UBXN1	white	-0.243462866	0.221055874	ZNF740	yellow	-0.17299	0.398052
DARS2	yellow	-0.31213	0.120575	POLR2C	white	-0.238270549	0.231369929	ST3GAL5	yellow	-0.17294	0.3982
ZCHC6	yellow	-0.31105	0.121929	MRPL54	white	-0.206499089	0.301407635	MAN2B1	yellow	-0.17175	0.401513
ZNF335	yellow	0.310324	0.122854	NDUFS8	white	-0.201122908	0.314443732	CYGB	yellow	-0.17126	0.402861
POLR2A	yellow	0.310264	0.12293	RPLP0	white	-0.172337117	0.390023728	AAAS	yellow	-0.17092	0.40381
C19orf38	yellow	0.306322	0.128014	UBB	white	-0.145929856	0.46765777	BLOC155	yellow	-0.17092	0.403815
ADRM1	yellow	0.306164	0.128221	RPS18	white	-0.121921831	0.544638329	TMEM163	yellow	-0.17031	0.405528
APPL1	yellow	-0.30616	0.128231	C11orf31	white	-0.110315784	0.583849677	LCMT1	yellow	-0.16972	0.407177
GOT1	yellow	-0.30464	0.130224	EIF3B	white	-0.099513866	0.621412041	DBF4	yellow	-0.16966	0.407351
C17orf61	yellow	-0.30464	0.130235	OSTF1	white	-0.070097029	0.728270155	ZBTB6	yellow	-0.1669	0.415137
SCAMP1	yellow	-0.30343	0.131843	RPS19BP1	white	-0.05598647	0.781499082	MAPKBP1	yellow	-0.16682	0.415362
CNCG2	yellow	-0.302	0.133764	RPL36	white	-0.040415457	0.841363924	UPF2	yellow	-0.16634	0.416726
OXS1R1	yellow	-0.30169	0.13418	NIPAL2	white	-0.036713127	0.857388818	PLA2G7	yellow	-0.16627	0.416909
GLYCTK	yellow	0.301348	0.134645	KLHL6	white	-0.033987818	0.866349318	STAG3	yellow	-0.16573	0.41844
GMFB	yellow	-0.3011	0.134986	DIDO1	white	-0.028147594	0.889161192	CDKL1	yellow	-0.16542	0.419331
KDEL2	yellow	0.300429	0.135896	MRPS18C	white	-0.026301642	0.896390292	AUP1	yellow	-0.16454	0.421833
AMHDH2	yellow	0.298953	0.137924	ARPCS5	white	-0.025683719	0.898812029	MIPPEP	yellow	-0.16451	0.421942
EIF2B1	yellow	-0.29889	0.138008	RPA2	white	-0.020885185	0.917646735	TRERF1	yellow	-0.16434	0.422403
ZNHIT1	yellow	-0.29853	0.138512	RNF181	white	0.023673725	0.906695521	MTRFRD2	yellow	-0.16431	0.4225
EH4	yellow	-0.29844	0.138632	BPGM	white	0.036537352	0.856422448	GSE1	yellow	-0.16391	0.423662
PARP8	yellow	-0.29563	0.142567	CLEC16A	white	0.08535645	0.672067549	SNORA57	yellow	-0.16336	0.42523
LY6G5B	yellow	0.295405	0.142887	AKT3	white	0.091044541	0.651531419	TTL	yellow	-0.16328	0.425451
CHRNA5	yellow	-0.29378	0.145207	TBC1D13	white	0.105003963	0.602197161	PSMA2	yellow	-0.1617	0.430001
PLAGL2	yellow	0.293695	0.145324	GSTO1	white	0.106560293	0.596796239	MED12	yellow	-0.16126	0.431283
CNST	yellow	-0.29328	0.145915	UBL5	white	0.126036654	0.531037966	CEP350	yellow	-0.15818	0.440256
COX7C	yellow	-0.29167	0.148256	FAM178A	white	0.147303699	0.46343135	NFATC1	yellow	-0.15772	0.441588
FLOT1	yellow	-0.29146	0.148559	RPS26	white	0.204720036	0.30568351	IL6R	yellow	-0.15704	0.443599
SCRN3	yellow	-0.291	0.149224	RAD51C	white	0.282760884	0.152975097	LHPP	yellow	-0.15516	0.44915
DECLR2	yellow	-0.2904	0.150109	TCF3	yellow	-0.680964937	9.24536E-05	WHSC2	yellow	-0.15437	0.451468
KIFAP3	yellow	-0.29035	0.150186	PDK1	yellow	-0.676074565	0.000108492	SUGP2	yellow	-0.15381	0.453133
CASD1	yellow	-0.28828	0.153241	BID	yellow	-0.638182273	0.000341436	SSR4	yellow	-0.15252	0.45699
TP1	yellow	-0.28612	0.15648	LDB1	yellow	-0.637528141	0.000347797	EIF4G2	yellow	-0.1524	0.457332
SLC16A3	yellow	0.285682	0.157144	MBD6	yellow	-0.627192547	0.000463038	MTX2	yellow	-0.15176	0.459251
ADAMTS1	yellow	0.285449	0.157498	CMIP	yellow	-0.616320686	0.000619015	SDHD	yellow	-0.15173	0.459345
TAPBP1	yellow	-0.28516	0.157939	STK25	yellow	-0.611386801	0.000703743	SLFN11	yellow	-0.15147	0.460111
WI2	yellow	0.28479	0.158501	ARSA	yellow	-0.606785699	0.000791683	DHX37	yellow	-0.15083	0.462057
SNORA84	yellow	0.284197	0.159408	FASTKD5	yellow	-0.601944381	0.000894384	SNORA62	yellow	-0.15059	0.462776
EPHB6	yellow	0.283999	0.159711	NSRP1	yellow	-0.588545218	0.001241193	PXB1	yellow	-0.15022	0.463893
C12orf23	yellow	0.281641	0.163357	FYTTD1	yellow	-0.585824954	0.001324299	TBC1D4	yellow	-0.1488	0.468169
PSIP1	yellow	-0.28124									

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

NVL	yellow	-0.27871	0.167973	SIRT2	yellow	-0.571313703	0.001853858	NFIC	yellow	-0.13987	0.49557
DIAPH2	yellow	0.275224	0.173575	COA4	yellow	-0.570380421	0.00189341	AZ12	yellow	-0.13954	0.49659
TRAPP2L	yellow	-0.27495	0.174017	CCR1	yellow	-0.568681226	0.001967288	CCDC86	yellow	-0.13923	0.49757
LTV1	yellow	-0.27469	0.17444	ATXN1	yellow	-0.565933954	0.002091982	CPYD	yellow	-0.13713	0.504136
SMARCC1	yellow	-0.27383	0.175847	CEBPB	yellow	-0.565902101	0.002093467	NLRX1	yellow	-0.13569	0.508647
PITRM1	yellow	-0.27295	0.177298	ZNF431	yellow	-0.563594865	0.002203447	CBX7	yellow	-0.13483	0.511381
ZNF383	yellow	-0.27273	0.177663	AFG3L2	yellow	-0.562278774	0.002268377	C16orf54	yellow	-0.13462	0.512027
PTP4A1	yellow	-0.27263	0.17783	DNAJB2	yellow	-0.560494743	0.002359013	TSC2D04	yellow	-0.13443	0.512642
ASH2L	yellow	-0.27232	0.178336	PDIA4	yellow	-0.55987316	0.002391313	SNORA14A	yellow	-0.13442	0.51267
CTPS1	yellow	-0.271	0.180538	CXCL2	yellow	-0.558698126	0.002453411	CUEDC1	yellow	-0.13428	0.513115
SELP1G	yellow	-0.2703	0.181719	CHMP1A	yellow	-0.557523963	0.00251684	MPND	yellow	-0.13391	0.514298
RHBD3	yellow	0.26822	0.18523	HIST1H2BC	yellow	-0.556631877	0.002565966	TBL2	yellow	-0.13368	0.515026
SHQ1	yellow	-0.26793	0.185722	DGAT1	yellow	-0.556139047	0.002593457	ELF2	yellow	-0.13347	0.515695
MZT1	yellow	-0.26773	0.186067	SUPV3L1	yellow	-0.555979612	0.002602404	TNPO1	yellow	-0.13303	0.517076
LRBA	yellow	-0.26716	0.187035	IDH3B	yellow	-0.555526478	0.002627978	BCL7B	yellow	-0.13289	0.517515
ITCH	yellow	-0.26593	0.189158	RPUSO1	yellow	-0.555165187	0.002648522	ZBTB44	yellow	-0.13265	0.518289
TTC38	yellow	-0.26542	0.190032	RBM42	yellow	-0.555101232	0.002652173	TP53I1	yellow	-0.13234	0.519271
CDYL	yellow	0.264113	0.192309	GLTPD1	yellow	-0.554182425	0.002705103	DNAJC17	yellow	-0.13199	0.520398
BAG1	yellow	-0.26384	0.192791	TMF1	yellow	-0.551585053	0.002859653	GPR85	yellow	-0.13104	0.523428
ALDH5A1	yellow	-0.2633	0.193737	GNP2	yellow	-0.55052374	0.002924945	TMOD3	yellow	-0.13032	0.525723
C9orf114	yellow	-0.26251	0.195123	UBE4A	yellow	-0.54974947	0.002973378	ZFP3	yellow	-0.12693	0.536642
FBXL6	yellow	-0.2622	0.195671	MTO1	yellow	-0.549540676	0.002986556	LSM3	yellow	-0.1261	0.539344
GCNT1	yellow	-0.26201	0.19601	ZNF564	yellow	-0.547821565	0.003096966	GCNT2	yellow	-0.12442	0.544782
CKAP2	yellow	-0.26199	0.196043	DPP9	yellow	-0.547717264	0.003103776	CDK10	yellow	-0.12221	0.552001
TOR2A	yellow	0.261335	0.197202	TNFAIP3	yellow	-0.544901984	0.003292476	WDR26	yellow	-0.12161	0.553979
TPGS2	yellow	-0.26076	0.198219	CDAN1	yellow	-0.543794302	0.00336936	ZFYVE9	yellow	-0.12092	0.55626
NEDD10	yellow	-0.26038	0.198996	ST3GAL1	yellow	-0.543631922	0.003380759	LILRB3	yellow	-0.1197	0.560274
NABP1	yellow	-0.25916	0.201091	LOCA40434	yellow	-0.542845559	0.003436427	ABI2	yellow	-0.11893	0.562825
ZBTB5	yellow	0.258958	0.201456	STUB1	yellow	-0.541901758	0.00350427	TTC7A	yellow	-0.11881	0.563229
PSMA1	yellow	-0.25886	0.201641	CXCL1	yellow	-0.540823615	0.003583166	MIA3	yellow	-0.11848	0.564318
UBA7	yellow	-0.2586	0.202102	TSG101	yellow	-0.540435811	0.003611912	CIAO1	yellow	-0.11744	0.567758
LMF1	yellow	0.258214	0.202801	SCARNA5	yellow	-0.540230245	0.00362723	SON	yellow	-0.11691	0.569499
MPP7	yellow	-0.25695	0.205092	PAPSS2	yellow	-0.539973103	0.003646468	MECR	yellow	-0.11431	0.578177
SRRM1	yellow	-0.25695	0.205094	MGRN1	yellow	-0.539619869	0.003673038	TUBGCP6	yellow	-0.11309	0.582275
APOL4	yellow	-0.25645	0.206012	SCRIB	yellow	-0.538756071	0.003738707	MCAT	yellow	-0.11249	0.584301
ZNF644	yellow	0.256115	0.206626	FUS	yellow	-0.53867382	0.003745012	MED25	yellow	-0.11197	0.586032
PLD3	yellow	0.255367	0.208001	TBC1D2B	yellow	-0.537277266	0.003853455	USF2	yellow	-0.11131	0.588272
GALK2	yellow	-0.25464	0.20935	COBRA1	yellow	-0.53283176	0.004216635	NDFIP2	yellow	-0.11041	0.591309
TMEM159	yellow	-0.25372	0.211043	LOCS41471	yellow	-0.532272528	0.004264318	TDRKH	yellow	-0.11019	0.592054
PRR14L	yellow	-0.25346	0.211541	TRMT61A	yellow	-0.531349039	0.004344064	SCARNA17	yellow	-0.10978	0.593424
TXNDC12	yellow	-0.25324	0.211941	MLL	yellow	-0.531321977	0.00434642	MAP3K11	yellow	-0.10927	0.595163
VPS29	yellow	-0.25314	0.212122	TAF1B	yellow	-0.529930974	0.004468985	ZNF319	yellow	-0.10878	0.596821
UIMC1	yellow	-0.25172	0.214802	MED28	yellow	-0.528911471	0.004560669	USP35	yellow	-0.10866	0.597223
RBM26	yellow	-0.25149	0.215224	ICAM1	yellow	-0.528311418	0.004615375	NHP2L1	yellow	-0.10476	0.61052
DDO	yellow	0.251044	0.216068	NABP2	yellow	-0.524605383	0.004965747	RPS4X	yellow	-0.10466	0.610889
RBL2	yellow	-0.25084	0.216448	ELF2	yellow	-0.52379112	0.005045677	NAA40	yellow	-0.10441	0.611728
UBA6	yellow	-0.24927	0.219444	ETFB	yellow	-0.521375272	0.005289271	C22orf29	yellow	-0.10409	0.612845
STX11	yellow	-0.24882	0.220301	TBC1D10B	yellow	-0.520996933	0.005328307	TMEM41A	yellow	-0.10336	0.615351
SH3BP2	yellow	0.248282	0.221331	MAP3K4	yellow	-0.520721202	0.00535691	YME1L1	yellow	-0.10231	0.618941
DENND3	yellow	0.24822	0.221451	TRIP10	yellow	-0.520585981	0.005370984	TMED10	yellow	-0.10225	0.619174
CSF3R	yellow	0.248043	0.221793	HIST1H1C	yellow	-0.518816761	0.005558036	LATS2	yellow	-0.10186	0.620514
EPS8L1	yellow	0.247376	0.223077	CCDC137	yellow	-0.517142968	0.005740044	TMC6	yellow	-0.10161	0.62138
MAPK13	yellow	0.246986	0.223832	STAG2	yellow	-0.516887437	0.005768268	HELZ2	yellow	-0.09981	0.627597
MCM3	yellow	-0.24604	0.225669	MPHOSPH8	yellow	-0.5159705	0.005870517	UPF3A	yellow	-0.09804	0.633731
KIAA1715	yellow	-0.24579	0.226158	TMEM106A	yellow	-0.512401694	0.006283188	BTBD6	yellow	-0.0979	0.634222
TXNRD2	yellow	0.245727	0.226278	LMAN1	yellow	-0.512377094	0.006286116	CCT5	yellow	-0.09738	0.636018
DBF4	yellow	-0.24495	0.227797	RPS6K1C1	yellow	-0.512320439	0.006292862	C3orf37	yellow	-0.09664	0.638629
TXNDC17	yellow	-0.24467	0.228341	WFS1	yellow	-0.510734304	0.006484228	DVL3	yellow	-0.09636	0.63959
IKBKAP	yellow	-0.24439	0.228888	IRF8	yellow	-0.510431049	0.006521368	FANCG	yellow	-0.09565	0.642077
MUT	yellow	-0.24426	0.229154	SART1	yellow	-0.510218416	0.006547517	SEC13	yellow	-0.09534	0.643168
DTNB1P1	yellow	-0.24387	0.229921	PHYH	yellow	-0.509275402	0.006664554	PPARD	yellow	-0.09358	0.649326
RAB11FIP2	yellow	-0.24383	0.230006	ZCCHC2	yellow	-0.509143719	0.006681036	NMT1	yellow	-0.09329	0.650334
ABTB1	yellow	0.243758	0.230138	SIRT7	yellow	-0.508795873	0.006724741	MNT	yellow	-0.09243	0.653372
COA3	yellow	-0.24345	0.230744	TTC31	yellow	-0.507993567	0.006826465	AGA	yellow	-0.09172	0.655869
PHF1	yellow	0.242939	0.231757	RALBP1	yellow	-0.507063737	0.006945976	FAM86A	yellow	-0.0915	0.656643
DUSP22	yellow	0.242732	0.232167	SF1	yellow	-0.50681542	0.006978189	KIS3	yellow	-0.09048	0.660247
LILRA2	yellow	0.242636	0.232358	SETD8	yellow	-0.506761145	0.006985247	DXS2L2	yellow	-0.08612	0.67573
CTDSP2	yellow	0.242215	0.233194	TRAPP11	yellow	-0.505668264	0.007128641	KIFC2	yellow	-0.08497	0.679837
NOP9	yellow	-0.24168	0.234254	HTT	yellow	-0.505410921	0.007162765	C12orf29	yellow	-0.08328	0.685863
FAR1	yellow	-0.24167	0.234271	NUP205	yellow	-0.505276571	0.007180634	TRIM56	yellow	-0.08266	0.688078
FAM105B	yellow	-0.24103	0.235562	CORO2A	yellow	-0.505228041	0.007187098	ERMAP	yellow	-0.08172	0.691478
MTERFD2	yellow	-0.24039	0.236845	SMS	yellow	-0.504593647	0.007272048	HIFX	yellow	-0.07989	0.69805
CLPX	yellow	-0.2401	0.23742	RARA	yellow	-0.50305397	0.007481741	ICMT	yellow	-0.07888	0.701688
DOCK11	yellow	-0.23981	0.238005	YBX1	yellow	-0.502325367	0.00758273	PI4K2A	yellow	-0.07778	0.705679
ZMYND8	yellow	-0.23955	0.238545	C15orf39	yellow	-0.501670331	0.007674498	TAGLN2	yellow	-0.07572	0.713143
MAP3K8	yellow	0.239415	0.238808	C21orf59	yellow	-0.500079595	0.007901246	GNAQ	yellow	-0.07548	0.714025
BCL2L12	yellow	0.239167	0.239311	C3	yellow	-0.499903852	0.007926639	SLC35B4	yellow	-0.07217	0.72606
PRKCH	yellow	-0.23898	0.239684	NLR4	yellow	-0.499370547	0.008004114	DGCR11	yellow	-0.0701	0.733638
ELL	yellow	0.238306	0.241056	STRA13	yellow	-0.499093559	0.008044604	ATXN2L	yellow	-0.06733	0.74382
AKAP5	yellow	-0.23786	0.241967	UBAC1	yellow	-0.496849894	0.008378959	DNAJC15	yellow	-0.06713	0.744566
ARHGEF17	yellow	0.237446	0.242809	ZCCH9C	yellow	-0.496170222	0.008482516	TREM1	yellow	-0.06613	0.748229
ASL	yellow	0.237396	0.242912	COX14	yellow	-0.49528711	0.008618671	LOC440173	yellow	-0.06568	0.749901
MAP2K7	yellow	0.237381	0.242942	ARPC1A	yellow	-0.493993281	0.008821453	CXCL3	yellow	-0.06568	0.749911
FAM175B	yellow	-0.23633	0.245104	SPNS1	yellow	-0.492832204	0.009006818	ZNF318	yellow	-0.06548	0.750644
NLK	yellow	-0.23609	0.245595	IL10RA	yellow	-0.49232651	0.009088564	TSTD2	yellow	-0.06412	0.755646
SLC30A5	yellow	-0.23589	0.246012	TRUB1	yellow	-0.492120876	0.009121983	GNB5	yellow	-0.06376	0.756987
TLR1	yellow	-0.23569	0.24641	MAP2K3	yellow	-0.490999958	0.009305962	UNC93B1	yellow	-0.06301	0.759752
IARS2	yellow	-0.23526	0.247296	SZT2	yellow	-0.490191625	0.009440554	NPRL3	yellow	-0.06245	0.761827
RASSF5	yellow	-0.23483	0.2482	FKBP8	yellow	-0.489102854	0.00962441	SLC35E3	yellow	-0.06189	0.763914
ICK	yellow	-0.23456	0.248756	HGS	yellow	-0.487074986	0.009974831	PVRL1	yellow	-0.06178	0.764311
ERCC3	yellow	-0.23358	0.250785	WDTC1	yellow	-0.486611304	0.010056435	CAMSAP1	yellow	-0.06141	0.7657
PCBD1	yellow	-0.233423	0.25112	MED24	yellow	-0.486566835	0.010064291	MCM9	yellow	-0.06097	0.76733
PMS2P1	yellow	0.233019	0.251965	NCL	yellow	-0.486470097	0.010081397	LSG1	yellow	-0.05935	0.773351
B2M	yellow	-0.23229	0.253499	HPS4	yellow	-0.485094087	0.010327362	PLXND1	yellow	-0.05881	0.775352
FAM114A2	yellow	-0.23216	0.253766	TNRC18	yellow	-0.48374707	0.010572974	NAA10	yellow	-0.05	

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

CST3	yellow	-0.22875	0.261011	UBE2Q2	yellow	-0.474286235	0.012438993	NOL7	yellow	-0.05311	0.796646
AOC3	yellow	-0.22778	0.263083	DHR59	yellow	-0.474196014	0.012458024	TRIOBP	yellow	-0.04948	0.810285
GOLGA8B	yellow	0.22731	0.2641	PITPNM1	yellow	-0.473418727	0.012622986	HSPB1	yellow	-0.04909	0.811758
CAPN3	yellow	-0.2272	0.264338	DDX52	yellow	-0.473156114	0.012679129	PHF13	yellow	-0.04823	0.815002
CNPY2	yellow	-0.22669	0.265443	PCNP	yellow	-0.472501287	0.012820022	C11orf54	yellow	-0.04509	0.826888
RAPGEF3	yellow	0.226626	0.26558	RPUSO4	yellow	-0.472287379	0.012866328	POLR3E	yellow	-0.04286	0.835301
ISCA2	yellow	-0.22404	0.271213	DNAH1	yellow	-0.472087483	0.012909725	TLE3	yellow	-0.04182	0.839251
BOP1	yellow	0.22367	0.272031	QDPR	yellow	-0.470071239	0.013354283	FNDC3B	yellow	-0.04163	0.839967
DDX1	yellow	-0.2221	0.275499	HNRNPA3	yellow	-0.468924938	0.013612636	CDKN2D	yellow	-0.04119	0.841636
TIGD5	yellow	0.221379	0.277101	CCDC59	yellow	-0.46855667	0.01369651	SYTL3	yellow	-0.04089	0.842799
STK16	yellow	0.220313	0.279479	PLA2G4C	yellow	-0.465417907	0.014428892	SBDSP1	yellow	-0.04003	0.846064
KIAA0232	yellow	-0.21874	0.283025	ZNF417	yellow	-0.464837782	0.014567738	ANKLE2	yellow	-0.03849	0.851901
TUBA1C	yellow	0.218482	0.283597	ZNF45	yellow	-0.462363499	0.015172393	NME7	yellow	-0.03729	0.85649
DHX16	yellow	0.21811	0.284437	TMEM175	yellow	-0.461801913	0.015312478	ITPKB	yellow	-0.03616	0.860796
GPX1	yellow	-0.21798	0.284734	RNF2	yellow	-0.461558262	0.015373587	VMA21	yellow	-0.03544	0.863554
TET2	yellow	-0.21779	0.285167	UTP11L	yellow	-0.460832795	0.01555673	TMEM201	yellow	-0.03343	0.871211
LRP1	yellow	-0.21767	0.285427	CLIP1	yellow	-0.460000435	0.015769073	PKN1	yellow	-0.03314	0.872322
PRMT2	yellow	-0.21743	0.285971	TRIM26	yellow	-0.459945848	0.015783082	TGFB1	yellow	-0.0329	0.87325
RNF31	yellow	0.217077	0.286782	WTAP	yellow	-0.459881978	0.015799486	PDIA6	yellow	-0.03192	0.876992
IST1	yellow	-0.2168	0.28742	HIST1H2AC	yellow	-0.458298989	0.01621057	SLC26A11	yellow	-0.02982	0.885016
ZCCHC24	yellow	0.21643	0.288256	AK2	yellow	-0.458197272	0.016237283	PIK3C3	yellow	-0.0285	0.890074
DBND2	yellow	-0.21642	0.288268	CS	yellow	-0.458042783	0.016277926	DCTN1	yellow	-0.02826	0.890991
NET1	yellow	-0.2162	0.288789	ZC3H7A	yellow	-0.45787648	0.016321769	ZNF671	yellow	-0.02736	0.894445
ATP6V0E1	yellow	0.216072	0.289074	ACTR5	yellow	-0.457091429	0.016530053	ATG4A	yellow	-0.02734	0.894512
NCF2	yellow	-0.21486	0.291858	BLVRA	yellow	-0.456997426	0.016555139	NCSTN	yellow	-0.02567	0.900941
RNR3	yellow	-0.21462	0.292415	CD2BP2	yellow	-0.456473437	0.01669555	HINT2	yellow	-0.02468	0.904729
LOC253039	yellow	0.214088	0.293632	TBC1D10A	yellow	-0.456410726	0.01671242	PTGES2	yellow	-0.02467	0.904774
PP5C	yellow	-0.2138	0.294296	CDK11A	yellow	-0.455788239	0.016880637	PGBD2	yellow	-0.02347	0.909385
ABCA11P	yellow	0.213397	0.295229	YOD1	yellow	-0.455783171	0.016882012	SLC9A3R2	yellow	-0.0229	0.911593
ENTHD2	yellow	-0.21333	0.295394	MRPL52	yellow	-0.455682292	0.016909406	CUL2	yellow	-0.02244	0.913346
ADD3	yellow	-0.21318	0.295729	KANSL3	yellow	-0.455520413	0.01695344	PTPN1	yellow	-0.02211	0.914617
STX18	yellow	0.213063	0.296003	CUTC	yellow	-0.455137028	0.017058106	NSMCE2	yellow	-0.02205	0.914841
SYNGAP1	yellow	-0.2129	0.296386	PQBP1	yellow	-0.454122112	0.017337751	FAM135A	yellow	-0.02177	0.915924
TMEM185E	yellow	-0.21213	0.298164	ARRDC3	yellow	-0.453874627	0.01740651	NOP14	yellow	-0.02169	0.916243
PHF5A	yellow	-0.21213	0.298182	MTG1	yellow	-0.452784888	0.017711949	NOC4L	yellow	-0.02166	0.916357
HDAC8	yellow	-0.2109	0.301045	PSIP1	yellow	-0.452005694	0.017933035	HARB11	yellow	-0.02134	0.917589
LRRC25	yellow	0.210403	0.302217	HNRNPA2B2	yellow	-0.451821267	0.017985695	NIF3L1	yellow	-0.02106	0.918664
TXN2	yellow	0.209707	0.303856	CANX	yellow	-0.451745024	0.018007502	DUSP16	yellow	-0.01788	0.930897
C1orf159	yellow	-0.20964	0.304005	WHAMM	yellow	-0.451041418	0.018209772	DENNND4A	yellow	-0.01742	0.932681
MARK3	yellow	-0.20936	0.304663	DDX26B	yellow	-0.450553209	0.018351266	ZNF132	yellow	-0.01694	0.934529
T0B2	yellow	0.208745	0.306131	MTIX	yellow	-0.449849939	0.018556546	OPHN1	yellow	-0.01673	0.935339
TRIM11	yellow	0.207693	0.30863	MT1E	yellow	-0.445456881	0.019882276	ATL2	yellow	-0.01671	0.935438
MPP5	yellow	-0.20753	0.309023	CCDC174	yellow	-0.444872203	0.020064424	TES	yellow	-0.01531	0.940826
ANPEP	yellow	-0.20694	0.310414	E1FB4	yellow	-0.444657783	0.020131564	TRIM65	yellow	-0.01339	0.948251
PSAT1	yellow	-0.20653	0.311398	PLOD3	yellow	-0.442711093	0.020749578	LRRC45	yellow	-0.01318	0.94904
C21orf7	yellow	-0.20565	0.313506	TET3	yellow	-0.441884904	0.021016514	PLEC	yellow	-0.01225	0.952645
SCARNA12	yellow	-0.20526	0.314466	PPP2R5B	yellow	-0.440976244	0.02131333	FARP1	yellow	-0.01202	0.953524
SLCSA6	yellow	0.204654	0.31592	SH3GL1	yellow	-0.440521882	0.021463027	SBD5	yellow	-0.01151	0.955503
RRP12	yellow	0.204346	0.316663	GLTSCR2	yellow	-0.438553247	0.022212158	TNPO2	yellow	-0.00962	0.962801
LRRCL4	yellow	0.203865	0.317828	PARG	yellow	-0.437313045	0.022544853	OPLAH	yellow	-0.00941	0.96362
GTFC3	yellow	-0.2038	0.317981	MRPS25	yellow	-0.437078056	0.022625792	SLRP	yellow	-0.00934	0.963881
DDHD2	yellow	-0.20351	0.318689	SERF1A	yellow	-0.436474834	0.022834651	ATP6V0C	yellow	-0.00774	0.970058
ING4	yellow	0.202772	0.320486	CNDP2	yellow	-0.435862999	0.023048093	ORCS	yellow	-0.0073	0.971757
CERK	yellow	-0.2018	0.322864	CBFB	yellow	-0.434762741	0.023436013	LRRK2	yellow	-0.00443	0.982852
TRIP11	yellow	-0.20135	0.323968	VIMP	yellow	-0.432598599	0.024214537	RAD18	yellow	-0.00421	0.983698
TJAP1	yellow	-0.20119	0.324365	TUSC2	yellow	-0.431057975	0.024781469	ZDHHC9	yellow	-0.00172	0.993357
PLEKH01	yellow	-0.20091	0.325049	POLK	yellow	-0.430751817	0.024895405	ZNF804A	yellow	9.8E-05	0.999621
ZNF673	yellow	0.200553	0.325924	AP5Z1	yellow	-0.429386824	0.025408577	KAT6A	yellow	0.003238	0.987474
PRPF38A	yellow	-0.20008	0.32709	OPTN	yellow	-0.429013658	0.025550353	DPAG10	yellow	0.004215	0.983694
MNDN1	yellow	-0.2	0.327285	SLK	yellow	-0.427854499	0.02599485	BTBD11	yellow	0.004368	0.983104
DNMT3A	yellow	-0.19963	0.3282	CD68	yellow	-0.427706624	0.026052003	C16orf87	yellow	0.005563	0.978481
DGCR6L	yellow	-0.19866	0.330613	TMEM158	yellow	-0.427053073	0.02630582	EPB41L1	yellow	0.006702	0.974079
TPD52	yellow	-0.1986	0.330759	SNX12	yellow	-0.425051326	0.027095725	DNAJC11	yellow	0.007275	0.971862
MTRR	yellow	-0.19724	0.334143	SERTAD3	yellow	-0.423920718	0.027550288	ELL2	yellow	0.008041	0.968901
ZC3HAV1	yellow	0.197115	0.334456	MPRIIP	yellow	-0.421459386	0.02856122	CCDC106	yellow	0.009869	0.961836
TMOD3	yellow	-0.19669	0.335509	UNC13D	yellow	-0.421375278	0.028596287	NTSC3	yellow	0.011324	0.956216
MED23	yellow	-0.19658	0.335805	VTI1A	yellow	-0.420374519	0.029016215	PPM1N	yellow	0.011397	0.955935
WDR43	yellow	-0.19643	0.336184	PTPRA	yellow	-0.419925275	0.029206334	PTPRE	yellow	0.011916	0.953928
BMP2K	yellow	-0.19606	0.337111	PHF11	yellow	-0.419696991	0.029303327	PHF3	yellow	0.013078	0.94944
MACC1	yellow	-0.1952	0.339269	ERP29	yellow	-0.418463678	0.029831845	C9orf64	yellow	0.015902	0.938543
GCFC2	yellow	-0.19507	0.339589	RNF166	yellow	-0.418283662	0.029909627	LPCAT3	yellow	0.017945	0.930666
MEN1	yellow	-0.19456	0.340879	AKAP1	yellow	-0.417096344	0.030426753	LINC00094	yellow	0.019431	0.924939
NZF529	yellow	-0.19431	0.341514	RIOK1	yellow	-0.415868082	0.030969268	LYGE	yellow	0.019563	0.924428
PPP3CC	yellow	-0.19366	0.343169	DDX39B	yellow	-0.414679596	0.031501602	ACP1	yellow	0.019777	0.923607
ADAM15	yellow	0.193611	0.343291	NR1D2	yellow	-0.413987954	0.031814768	TOMM22	yellow	0.020341	0.921435
C7orf50	yellow	0.192422	0.346321	TPM3	yellow	-0.412370674	0.032556827	SLAIN2	yellow	0.021119	0.918438
TIPRL	yellow	-0.19189	0.347684	PSMD6	yellow	-0.410436312	0.033462569	TTC4	yellow	0.022886	0.911638
RPB4	yellow	-0.1911	0.349698	ID1	yellow	-0.406227435	0.035503223	GPR34	yellow	0.024826	0.90418
MFSO1	yellow	0.190633	0.350908	SNORA27	yellow	-0.406107018	0.035563039	UTP15	yellow	0.025534	0.901461
ARHGEP101	yellow	-0.19056	0.351106	NKTR	yellow	-0.406049451	0.035591664	NOD1	yellow	0.028637	0.889556
DDRGK1	yellow	-0.19036	0.351602	LOC285074	yellow	-0.404839104	0.036197774	RRAGB	yellow	0.029447	0.886451
IFT20	yellow	-0.18889	0.355401	GNB4	yellow	-0.404795334	0.036219847	CLEC2B	yellow	0.032263	0.87567
CYB5R1	yellow	-0.18885	0.355512	SLC39A11	yellow	-0.404292684	0.036474097	TRAPP5C	yellow	0.033372	0.871432
CMC2	yellow	0.188703	0.355898	PSMA1	yellow	-0.402445669	0.037420632	COGPI1	yellow	0.035521	0.863228
DCTN4	yellow	-0.18796	0.35782	HDHD3	yellow	-0.402149416	0.037574261	UBE2K	yellow	0.03557	0.863041
NDFIP1	yellow	-0.18764	0.358651	ERC1	yellow	-0.402002534	0.037650616	CNTR0B	yellow	0.036662	0.858875
CSTA	yellow	-0.18737	0.359361	TMEM51	yellow	-0.400292807	0.038548543	TRA2B	yellow	0.037047	0.857407
YPEL5	yellow	0.187128	0.360001	ZFYVE20	yellow	-0.39959656	0.03891906	POLR3A	yellow	0.03778	0.854617
GCC1	yellow	0.186073	0.362765	GPRC5A	yellow	-0.397263719	0.040181236	CRLF3	yellow	0.038848	0.85055
WDR45L	yellow	0.185553	0.36413	PLRG1	yellow	-0.396934211	0.04036216	GOPC	yellow	0.039088	0.849637
SEL1L	yellow	0.185218	0.365012	ERLIN2	yellow	-0.396538138	0.04058038	NEK11	yellow	0.03926	0.848983
RBBP5	yellow	0.185038	0.365486	CARS	yellow	-0.396235504	0.040747788	CBL	yellow	0.039482	0.848141
CDC42SE1	yellow	0.184529	0.366829	ACP2	yellow	-0.393617458	0.042219047	IFT172	yellow	0.039868	0.846673
RPS19BP1	yellow	-0.18415	0.367843	AAED1	yellow	-0.392640607	0.042778684	ST5	yellow	0.040652	0.843694
ATN1	yellow	0.183918	0.368449	LMNB2							

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

LYZ	yellow	0.181163	0.375788	ZNF276	yellow	-0.380943243	0.04994766	MAP7D1	yellow	0.046142	0.822891
PTAR1	yellow	-0.18113	0.375865	VCAN	yellow	-0.379975241	0.05058083	LOC1005056	yellow	0.04678	0.820483
COMT	yellow	0.180097	0.378651	CDC5L	yellow	-0.379604935	0.050824709	METTL5	yellow	0.047299	0.818523
MED10	yellow	0.179837	0.379352	RBMX2	yellow	-0.378740161	0.051397836	SAMD1	yellow	0.049205	0.811336
TMEM199	yellow	-0.17976	0.379553	TRPM4	yellow	-0.375579981	0.053535514	ACAD10	yellow	0.049243	0.811194
CEBPA	yellow	0.179617	0.379943	DVL3	yellow	-0.373745702	0.054807867	NBP11	yellow	0.053519	0.795126
SYN1	yellow	-0.17948	0.380318	MNT	yellow	-0.372363786	0.055781966	UBE2L3	yellow	0.053953	0.793499
TGS1	yellow	-0.17796	0.384426	CHPF	yellow	-0.372187881	0.055906924	KIAA0146	yellow	0.054243	0.792416
NCKAP1L	yellow	-0.17788	0.384651	PRKAR1A	yellow	-0.370461162	0.057145182	LRRK1	yellow	0.055216	0.788774
APRT	yellow	0.177559	0.385518	MAP2K5	yellow	-0.370448338	0.057154457	SMARCA4	yellow	0.05574	0.786814
SGK196	yellow	-0.17717	0.386566	ABL2	yellow	-0.370432177	0.057166148	FAM91A1	yellow	0.056587	0.783648
GATM	yellow	-0.17715	0.386625	BCOR	yellow	-0.37023336	0.057310128	DDI1	yellow	0.056905	0.782459
EML3	yellow	-0.17664	0.388021	FAM109A	yellow	-0.368343397	0.058692967	MAST3	yellow	0.057261	0.781133
OSCAR	yellow	-0.17647	0.38849	SRI	yellow	-0.368059041	0.058903253	AFG3L1P	yellow	0.058956	0.774816
RABL2B	yellow	0.175612	0.390833	M6PR	yellow	-0.364931602	0.061254967	CUL1	yellow	0.058963	0.774788
MRPL9	yellow	-0.17549	0.391154	SEPW1	yellow	-0.364554137	0.061543669	KIAA1109	yellow	0.059643	0.772258
IVD	yellow	0.175099	0.392241	HEATR5B	yellow	-0.364153036	0.061851606	RNF139	yellow	0.059837	0.771536
NEO1	yellow	0.174765	0.39316	NUSAP1	yellow	-0.364115701	0.061880329	KIF3C	yellow	0.060271	0.769925
MITF	yellow	-0.1747	0.393326	C16orf72	yellow	-0.363738958	0.062170759	UHRF1BP11	yellow	0.061185	0.76653
MED1	yellow	-0.17445	0.394035	TROVE2	yellow	-0.362360154	0.063242702	PMM1	yellow	0.061622	0.764909
ZFP36L2	yellow	0.173564	0.39647	HMGAI1	yellow	-0.361389244	0.064006088	ACACA	yellow	0.062078	0.763216
SNRPD2	yellow	-0.17352	0.396594	DNMT1	yellow	-0.359576314	0.064540607	SLC16A1	yellow	0.062326	0.762295
HERC2P2	yellow	-0.1734	0.396917	ZNF428	yellow	-0.358728674	0.066134587	MTR	yellow	0.063079	0.759507
CNNT1	yellow	-0.17327	0.397273	STIM1	yellow	-0.357983591	0.066740363	HSPA4	yellow	0.063085	0.759486
TEN1	yellow	0.172706	0.398843	SEC11C	yellow	-0.357858534	0.066842458	COPZ1	yellow	0.063395	0.758337
NMT1	yellow	-0.17264	0.399015	ARID4B	yellow	-0.352466013	0.071360687	RPL4	yellow	0.064018	0.756033
MRPL23	yellow	-0.17146	0.402318	QARS	yellow	-0.350322644	0.073220383	ELP3	yellow	0.067037	0.744897
ZHHC21	yellow	-0.17141	0.402449	ACSL1	yellow	-0.349535138	0.073912929	DKC	yellow	0.067249	0.744115
ZNF675	yellow	0.170444	0.405144	UBE2H	yellow	-0.348224263	0.07507686	SLC19A1	yellow	0.067324	0.743838
TNMI2	yellow	-0.17028	0.40561	TP53I3	yellow	-0.348170121	0.075125233	SIRPD	yellow	0.068995	0.737698
SMC6	yellow	-0.17014	0.405984	MITF	yellow	-0.347585135	0.075649411	RNMTL1	yellow	0.06912	0.73724
SPHK1	yellow	0.170127	0.40603	UBE2Q2P1	yellow	-0.346241459	0.076864016	TBC1D24	yellow	0.069344	0.736415
FAM195B	yellow	-0.16867	0.410133	CEBPG	yellow	-0.345748733	0.077313129	AURKAP51	yellow	0.069566	0.735604
ITGA5	yellow	0.168078	0.411791	ELK1	yellow	-0.345542932	0.077501306	ARL4EPL	yellow	0.070142	0.733493
WDR46	yellow	0.167959	0.412128	EZH2	yellow	-0.345039492	0.07796311	H56S21	yellow	0.071167	0.729738
FOXN2	yellow	-0.16783	0.412494	SUGP2	yellow	-0.344895432	0.078095641	SLC33A1	yellow	0.071627	0.728057
DES12	yellow	-0.16782	0.412506	GPHN	yellow	-0.344776835	0.078204877	STAU1	yellow	0.072383	0.725296
TMEM18	yellow	0.167575	0.413211	BRPF3	yellow	-0.342986776	0.079867849	ERVK13-1	yellow	0.07418	0.718742
AIFM3	yellow	0.167452	0.413561	ZNF777	yellow	-0.34208021	0.080720269	ATXN3	yellow	0.074536	0.717445
SRSF5	yellow	-0.16694	0.415015	GNAI1	yellow	-0.34051769	0.082205713	ZBTB4	yellow	0.074927	0.716026
LRR4C2	yellow	-0.16692	0.415069	YPS9D1	yellow	-0.339155143	0.083517943	ALKB35	yellow	0.075495	0.71396
RAB11A	yellow	-0.16676	0.415506	HNRNP2	yellow	-0.336667399	0.085954795	SNORA30	yellow	0.075773	0.712952
MGC72080	yellow	-0.16576	0.418361	RNF170	yellow	-0.335447179	0.087169576	NSUN2	yellow	0.075915	0.712437
PTGFRN	yellow	0.16565	0.418674	SNX29P2	yellow	-0.334423044	0.088199143	ABC2F	yellow	0.076852	0.709037
ATOX1	yellow	-0.1649	0.420814	ZNF510	yellow	-0.33319142	0.08944945	SLC31A1	yellow	0.077949	0.705066
PPP2R5C	yellow	-0.16488	0.420861	UFC1	yellow	-0.330247364	0.092492394	FBRS	yellow	0.078116	0.704461
KPNAS	yellow	-0.16395	0.42354	AGPAT4	yellow	-0.328861867	0.093951127	KNTC1	yellow	0.078318	0.703729
ATP5B	yellow	-0.16317	0.425786	ATG16L1	yellow	-0.326641153	0.096325236	PITPNB	yellow	0.078574	0.702806
TMEM234	yellow	0.162945	0.426419	AEN	yellow	-0.32567057	0.09737689	CRKL	yellow	0.079105	0.700887
ASF1B	yellow	-0.16258	0.427463	TIMM8B	yellow	-0.325651439	0.097397705	CC2D1A	yellow	0.080987	0.694105
ZNF740	yellow	-0.162	0.429152	TTC33	yellow	-0.324169884	0.099019843	SCARN18	yellow	0.081881	0.690891
TTC17	yellow	-0.16177	0.429814	RSF1	yellow	-0.32284259	0.100490188	AIG1	yellow	0.08399	0.683327
HSBP1	yellow	-0.15989	0.435256	FAM126A	yellow	-0.321330197	0.102185414	TMEM19	yellow	0.084031	0.683183
WDR37	yellow	0.159811	0.43549	SRSF5	yellow	-0.318637509	0.105256339	TACC1	yellow	0.084681	0.680856
AKAP11	yellow	-0.15971	0.435786	MT2A	yellow	-0.318047558	0.105938239	KIAA1033	yellow	0.086006	0.676126
ANAPC5	yellow	-0.15916	0.437382	TMEM140	yellow	-0.317830441	0.106190021	IER5	yellow	0.086352	0.674895
TRHDE	yellow	-0.15898	0.437899	RRN3P2	yellow	-0.315160102	0.109323225	NECAP1	yellow	0.088943	0.665688
FAM126B	yellow	-0.15888	0.438201	RREB1	yellow	-0.312287139	0.112770202	TMEM245	yellow	0.089864	0.662425
TOR1B	yellow	-0.15845	0.439468	GSE1	yellow	-0.311675172	0.113514707	GLTSCR1	yellow	0.090122	0.661513
RPL27	yellow	0.158318	0.439845	INIP	yellow	-0.308634063	0.112768412	NFXL1	yellow	0.090664	0.659597
SETD7	yellow	-0.15825	0.440045	MPP5	yellow	-0.308031379	0.118023045	UBE2V1	yellow	0.091198	0.657712
DOCK10	yellow	-0.15748	0.442293	HMGNI1	yellow	-0.307840691	0.118262552	HSPA6	yellow	0.091241	0.657558
MKL1	yellow	0.157479	0.442304	ZNF775	yellow	-0.30767298	0.118473495	FBXO4	yellow	0.091663	0.656607
PDC13	yellow	0.156803	0.44429	TIMM17A	yellow	-0.30374579	0.123492508	HDLBP1	yellow	0.093017	0.651304
FAM122B	yellow	0.156178	0.44613	MMP10	yellow	-0.301130259	0.126920502	RPS6KB	yellow	0.093064	0.651138
HIPK1	yellow	0.156027	0.446575	GDCH	yellow	-0.300997289	0.127096615	PURB	yellow	0.093372	0.650056
RBM5	yellow	-0.15578	0.447307	C17orf75	yellow	-0.300757294	0.127414926	YIPF6	yellow	0.09338	0.650029
CAMLG	yellow	0.155126	0.449237	APP	yellow	-0.300355203	0.127949533	UBE2O	yellow	0.0937	0.648903
KPTN	yellow	0.154723	0.45043	SFMBT1	yellow	-0.296701137	0.132883084	MCMBP	yellow	0.093729	0.648803
KIAA1967	yellow	0.154594	0.450814	ZHHC7	yellow	-0.29520846	0.134937672	ASPHD2	yellow	0.094769	0.645157
KLF11	yellow	-0.15453	0.451005	TBC1D4	yellow	-0.29491201	0.135348446	TXNRD3	yellow	0.095213	0.643601
AAGAB	yellow	-0.15435	0.451524	SLA	yellow	-0.293894784	0.136764848	PAN3	yellow	0.097901	0.634222
IP6K1	yellow	-0.1533	0.454666	STX12	yellow	-0.291800244	0.13971506	FBXO21	yellow	0.098248	0.633015
BRI3BP	yellow	0.153145	0.45512	CCDC22	yellow	-0.28866738	0.144213136	RNF130	yellow	0.09827	0.632936
AIG1	yellow	0.152463	0.457153	METTL23	yellow	-0.287082062	0.146528562	XPC	yellow	0.100289	0.625936
TYROBP	yellow	0.151867	0.458935	PMPCA	yellow	-0.285420458	0.148983923	FUT8	yellow	0.101279	0.62251
DOCK8	yellow	-0.15162	0.459689	KIF3B	yellow	-0.283752538	0.151478117	TCOF1	yellow	0.101322	0.622364
SERPINA9	yellow	-0.15157	0.45982	SLC2A9	yellow	-0.282912322	0.152745809	DHX15	yellow	0.101779	0.620786
LRR3	yellow	-0.15144	0.460201	KIF13A	yellow	-0.280243956	0.156821953	TMEM187	yellow	0.102782	0.61733
HARS	yellow	-0.15124	0.460808	VGLL3	yellow	-0.27820732	0.159984725	PRPSAF2	yellow	0.103548	0.614697
GTPBP4	yellow	-0.15102	0.461478	SGSH	yellow	-0.274696174	0.165543102	CLTC	yellow	0.10454	0.611291
ZNF10	yellow	-0.15091	0.461795	SLC25A26	yellow	-0.274193965	0.166349139	CETN2	yellow	0.105045	0.60956
GYS1	yellow	0.150754	0.462273	ERCC5	yellow	-0.268046272	0.17644123	ZGPAT	yellow	0.105239	0.608898
MAPK3	yellow	-0.15041	0.463297	TUBGCP6	yellow	-0.267017642	0.178170748	TIFAB	yellow	0.106302	0.605263
TMEM52B	yellow	0.150384	0.463386	BANP	yellow	-0.266179727	0.179588325	IREB2	yellow	0.108325	0.598373
CCDC57	yellow	-0.15	0.464545	C9orf114	yellow	-0.261602754	0.187470506	ATP5I	yellow	0.108987	0.596127
NDUFA3	yellow	0.149962	0.464654	NUP93	yellow	-0.261418081	0.187793487	CDC14A	yellow	0.110578	0.590741
ZNF143	yellow	-0.14926	0.466767	PPP4R1L	yellow	-0.260554686	0.189308619	FTO	yellow	0.111547	0.58747
C9orf78	yellow	0.148737	0.468353	AURKAIP1	yellow	-0.253203061	0.202336577	CD58	yellow	0.112342	0.584794
NUDC	yellow	0.147396	0.472416	RPS25	yellow	-0.242422357	0.223097531	PGPEP1	yellow	0.113458	0.581046
PLBD1	yellow	-0.14704	0.473506	USP21	yellow	-0.238381288	0.231146667	DOPEY1	yellow	0.113712	0.580194
CPSF1	yellow	-0.14676	0.474358	TMEM173	yellow	-0.234626991	0.238796013	EIF4ENIF1	yellow	0.114695	0.576901
WIPI2	yellow	0.146694	0.474553	STK11	yellow	-0.231837231	0.244587451	L3HYPDH	yellow	0.117863	0.566353
ESCCR	yellow	-0.14651	0.47511	NBPF9	yellow	-0.231420954	0.24545949	CWC27	yellow	0.118299	

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

ZDHC3	yellow	-0.14544	0.478382	CPEB3	yellow	-0.209390103	0.294539357	MGST2	yellow	0.125725	0.540549
GCFC1	yellow	-0.14518	0.479167	RNASEH2A	yellow	-0.207625048	0.298720857	ROCK2	yellow	0.128057	0.533004
GIMAP4	yellow	0.145137	0.479307	CRTC3	yellow	-0.20743408	0.299175488	GATAD1	yellow	0.128289	0.532258
LEPRE1	yellow	-0.14508	0.47948	SOWAHC	yellow	-0.201657961	0.313130988	C9orf78	yellow	0.128914	0.530243
ZNF706	yellow	-0.14502	0.479671	EHF	yellow	-0.198102027	0.321918989	SEC23A	yellow	0.131404	0.522262
EV15	yellow	-0.14485	0.480179	TNFRSF12A	yellow	-0.191258529	0.339251969	PPWD1	yellow	0.131625	0.521556
NUP160	yellow	-0.14465	0.480785	RPS14	yellow	-0.187900236	0.347959216	PAM	yellow	0.131758	0.521133
OSBP11	yellow	-0.1443	0.481869	SNX18	yellow	-0.18403391	0.358147078	ZNF684	yellow	0.132169	0.519821
PTGS1	yellow	0.143903	0.483089	PSMG3	yellow	-0.182037575	0.363475664	HIBADH	yellow	0.132651	0.518288
FBXO31	yellow	0.143866	0.483205	SAR1B	yellow	-0.17999753	0.368968711	CCDC47	yellow	0.132733	0.518027
HLA-DMA	yellow	-0.14333	0.484841	ARG2	yellow	-0.178871899	0.372020224	ARSD	yellow	0.133186	0.516585
ALG14	yellow	-0.14273	0.486691	DOT1L	yellow	-0.178394594	0.373318586	TPP2	yellow	0.135064	0.510635
CHD8	yellow	0.142386	0.487764	CLUU10S	yellow	-0.1666423	0.406110509	MIB1	yellow	0.135904	0.507987
PPP3CA	yellow	-0.14099	0.492098	CD37	yellow	-0.163380642	0.415488892	KARS	yellow	0.137913	0.501675
USP6NL	yellow	-0.14067	0.493093	TCTN1	yellow	-0.160220192	0.42468965	SCNM1	yellow	0.139452	0.496867
FCHSD2	yellow	0.140467	0.493707	MICAL1	yellow	-0.155377223	0.439002904	THAP10	yellow	0.141016	0.492004
SNAPC3	yellow	-0.14036	0.494042	SMYD4	yellow	-0.147041334	0.464236931	BIRC2	yellow	0.141395	0.490828
STRBP	yellow	-0.13967	0.49618	WAC	yellow	-0.139678888	0.487138372	CEP76	yellow	0.141788	0.489613
UGL3	yellow	-0.13928	0.49739	GTPBP4	yellow	-0.134681122	0.503003958	GPBP1	yellow	0.141796	0.489586
OSBP	yellow	-0.13881	0.498861	ARHGAP12	yellow	-0.133787898	0.505866255	RAB1F	yellow	0.142318	0.487974
NOSIP	yellow	0.138784	0.498951	ADCK4	yellow	-0.128635622	0.522532029	TRIM66	yellow	0.142526	0.487333
CD36	yellow	-0.13817	0.500872	SOX4	yellow	-0.121470595	0.546139577	HP55	yellow	0.142942	0.486049
PGAP3	yellow	0.13803	0.501307	HELZ2	yellow	-0.119918267	0.551318769	SYCL3	yellow	0.143774	0.483486
NDUF55	yellow	0.137976	0.501478	BLOC1S1	yellow	-0.119479209	0.552787743	DDX39A	yellow	0.146324	0.47568
SFT2D3	yellow	-0.13666	0.505597	KIF16B	yellow	-0.110999754	0.581505067	PDLM5	yellow	0.146832	0.474133
PPDF	yellow	0.136469	0.506205	EVL	yellow	-0.098100409	0.626399178	G6PC3	yellow	0.147094	0.473334
HIRA	yellow	-0.13638	0.506489	TBX19	yellow	-0.059953192	0.766426699	HSPD1	yellow	0.14796	0.470707
GNB1	yellow	0.136034	0.507576	PDCD5	yellow	-0.059026644	0.769940111	LOC84989	yellow	0.148546	0.46893
SEL1L3	yellow	-0.13582	0.508238	PSMB1	yellow	-0.037408187	0.853036567	PBX2	yellow	0.148654	0.468604
MAP1LC3A	yellow	0.13569	0.508661	SRA1	yellow	-0.023411307	0.907725415	PRPF38B	yellow	0.148955	0.467693
C10orf137	yellow	-0.13544	0.509461	FHL3	yellow	-0.019874789	0.921618508	PTDSS2	yellow	0.151036	0.461427
FOXP4	yellow	0.135411	0.509539	STOML1	yellow	-0.015218264	0.939945169	BTBD9	yellow	0.151475	0.460109
SHKBP1	yellow	0.134994	0.510858	PSMF1	yellow	0.001212748	0.995209988	BECN1	yellow	0.152638	0.456631
SLC9A3R2	yellow	-0.13468	0.511845	PKK	yellow	0.002962258	0.98830025	CIR1	yellow	0.152834	0.456048
GBP4	yellow	-0.13444	0.512621	USP7	yellow	0.006892051	0.972783161	ADAM17	yellow	0.1531	0.455255
VLDLR	yellow	0.132791	0.51784	TAF15	yellow	0.010932944	0.956837514	MTPAP	yellow	0.153569	0.453857
BRCA2	yellow	-0.13272	0.518077	IL17RA	yellow	0.024351619	0.904035718	FAM204A	yellow	0.154213	0.451944
SNORA47	yellow	-0.13266	0.518253	ARL3	yellow	0.034893724	0.862819736	ZER1	yellow	0.15453	0.451004
HAX1	yellow	-0.13182	0.520934	STIL	yellow	0.037015726	0.85462177	FASTKD2	yellow	0.156138	0.446248
Xcorf26	yellow	0.131044	0.523411	CASP2	yellow	0.054954903	0.78543163	POLR3K	yellow	0.157748	0.441513
FBXO10	yellow	-0.13044	0.525352	PKD2	yellow	0.057361313	0.776266055	LCORL	yellow	0.158668	0.438821
TINM21	yellow	-0.1302	0.526105	BRAP	yellow	0.058746699	0.771002518	FNDCA3	yellow	0.160722	0.432841
ARMC8	yellow	0.130154	0.526263	NFATC2IP	yellow	0.064229278	0.750217318	SPLL2A	yellow	0.162088	0.428889
SETD9	yellow	-0.13008	0.526498	PNPLA6	yellow	0.066951233	0.740040479	TPK1	yellow	0.162186	0.428605
TBC1D1	yellow	-0.12984	0.527256	C5orf25	yellow	0.067910227	0.736446108	BMS1P4	yellow	0.162616	0.427367
IQGAP2	yellow	-0.12969	0.527746	MCM6	yellow	0.073757785	0.71464855	NR2C2AP	yellow	0.162818	0.426784
MSANTD2	yellow	-0.1295	0.528369	MIPEP	yellow	0.075017029	0.709982338	ATP5G2	yellow	0.163034	0.426164
HAU55	yellow	-0.12911	0.529599	SYNGR2	yellow	0.079543384	0.693294797	TNFAIP8	yellow	0.163157	0.42581
CNPY3	yellow	0.129099	0.52965	AUH	yellow	0.088368177	0.661164329	FAM21C	yellow	0.164396	0.422254
LHPP	yellow	-0.1287	0.530943	ALG13	yellow	0.088985686	0.65893701	STT3A	yellow	0.165498	0.419108
TECPR2	yellow	0.128696	0.530947	DCLRE1B	yellow	0.089210346	0.658127378	KIF27	yellow	0.165645	0.418691
CD163	yellow	0.12765	0.534318	DNAIC4	yellow	0.091697336	0.649190031	UBE2E1	yellow	0.166469	0.416346
RAD23B	yellow	0.127598	0.534486	CNRY	yellow	0.093176787	0.643895719	C1orf233	yellow	0.166889	0.415155
ZNF302	yellow	-0.12713	0.53599	ABTB1	yellow	0.097556866	0.628321266	LRMP	yellow	0.167597	0.41315
CNRY	yellow	0.125941	0.539849	MTF2	yellow	0.101337358	0.615002227	VPS25	yellow	0.168655	0.410164
RNF123	yellow	0.125791	0.540337	METTL18	yellow	0.106112532	0.598347979	MMD	yellow	0.169471	0.407871
CORO1B	yellow	0.124919	0.543171	NXP2	yellow	0.106271368	0.597797327	BRAF	yellow	0.16959	0.407536
ASB3	yellow	-0.12438	0.544916	TMEM184C	yellow	0.108503538	0.590081836	THAP1	yellow	0.171201	0.403028
SPATS2L	yellow	-0.12393	0.546378	COX10	yellow	0.115507202	0.566158236	APEH	yellow	0.173201	0.397472
NCAPH2	yellow	-0.1234	0.548117	CRTC2	yellow	0.116818199	0.561729115	SETD6	yellow	0.174414	0.394124
RNF2	yellow	-0.12284	0.549969	CLN8	yellow	0.119725679	0.551962897	CCNT2	yellow	0.174574	0.393685
GPX7	yellow	0.12281	0.550051	BTAF1	yellow	0.120251615	0.550204676	GTPBP5	yellow	0.176489	0.388433
LGR4	yellow	0.121881	0.553095	ANXA4	yellow	0.123568323	0.539176888	SRSF6	yellow	0.176819	0.387533
KIAA1524	yellow	-0.12174	0.553572	LGAL59	yellow	0.123652502	0.538898358	IARS	yellow	0.176887	0.387347
DHX29	yellow	-0.12151	0.554298	TMEM134	yellow	0.12366588	0.538854101	GALNT4	yellow	0.17846	0.383073
CD6C	yellow	-0.12124	0.5552	MRPL2	yellow	0.123920178	0.53801313	DNA2	yellow	0.1799	0.379182
KIAA1598	yellow	-0.12115	0.555506	PLCB2	yellow	0.125494188	0.532821632	CPD	yellow	0.180304	0.378093
NBP9F	yellow	0.120961	0.55612	CCZ1	yellow	0.129559343	0.519524774	GSK3A	yellow	0.180735	0.376937
PTPLB	yellow	0.120224	0.558546	SLC29A3	yellow	0.138500713	0.490855517	TAB2	yellow	0.181882	0.373863
C9orf64	yellow	-0.12019	0.558671	TEN1	yellow	0.138869089	0.489691757	ARID3B	yellow	0.182327	0.372676
ABCA2	yellow	0.119851	0.559775	ATXN7L3B	yellow	0.139576051	0.487462254	SNAP23	yellow	0.182698	0.371688
LOC728377	yellow	-0.11959	0.560647	SNAPIN	yellow	0.142577002	0.4780559	METTL9	yellow	0.183026	0.370814
VASP	yellow	0.119452	0.561091	ZNF140	yellow	0.150401515	0.45397516	ATP11B	yellow	0.183491	0.369578
SERPINB8	yellow	-0.11941	0.561234	C5orf43	yellow	0.150524051	0.453603228	THTPA	yellow	0.183574	0.36936
RBOF2	yellow	0.119331	0.561493	WDR35	yellow	0.150863565	0.452573547	SORT1	yellow	0.183957	0.368343
MED22	yellow	-0.11816	0.565364	C22orf32	yellow	0.151471039	0.450734291	PDE12	yellow	0.184105	0.367953
CHMP2A	yellow	-0.11754	0.567429	INTS9	yellow	0.152773813	0.446803297	MXI1	yellow	0.184827	0.366045
MALT1	yellow	-0.11736	0.568019	CD33	yellow	0.153651873	0.444164199	FBXO48	yellow	0.184944	0.365735
ASUN	yellow	-0.11685	0.569717	FAN1	yellow	0.157550515	0.432547898	POGK	yellow	0.186174	0.362499
COX7A2L	yellow	0.116718	0.570154	IVNS1ABP	yellow	0.160624631	0.423506045	ZNF33A	yellow	0.186438	0.361806
ATP10D	yellow	-0.11577	0.573304	MFS07	yellow	0.160627393	0.423497969	LOC1005061	yellow	0.188787	0.355681
ZNF254	yellow	-0.11533	0.574772	FUCA2	yellow	0.168338687	0.401280122	KEL	yellow	0.189147	0.354745
SH3G11	yellow	-0.11505	0.575706	PMS2CL	yellow	0.169475288	0.398061895	SPCS2	yellow	0.189947	0.352678
CRTC1	yellow	0.114764	0.57667	C10orf12	yellow	0.172230319	0.390322025	CAMLG	yellow	0.190655	0.350852
CDIPT	yellow	-0.11452	0.577499	SMAP1	yellow	0.181966288	0.363666797	UPF3B	yellow	0.191173	0.349518
IFI30	yellow	-0.11451	0.577534	DECR2	yellow	0.183354866	0.359954371	HSPA1A	yellow	0.191219	0.349401
COASY	yellow	0.114018	0.579169	MRPL10	yellow	0.185354801	0.354646877	MRS15	yellow	0.192382	0.346423
IGFBP2	yellow	-0.11239	0.584631	EXOC4	yellow	0.193399151	0.333770967	TMEM161A	yellow	0.192484	0.346163
COX4I1	yellow	0.111483	0.587687	C21orf91	yellow	0.194267104	0.331563963	C21orf91	yellow	0.192528	0.34605
RPL13	yellow	0.110989	0.589353	WDR70	yellow	0.196346301	0.326313163	IMPAD1	yellow	0.192822	0.345301
YIPF3	yellow	0.11072	0.590261	C14orf166	yellow	0.19962682	0.31813235	DCPS	yellow	0.193178	0.344393
UMPS	yellow	-0.11054	0.590875	LOC1001290	yellow	0.20079561	0.315248424	LEM3D	yellow	0.193561	0.343419
CTDNEP1	yellow	0.110435	0.591225	FAM21C	yellow	0.201140646	0.314400158	FAM134B	yellow	0.194035	0.342215
FCGR3A	yellow	0.110044	0.592547	CDC40	yellow	0.205259558	0.304382826	LNX2	yellow	0.19466	

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

NELF	yellow	-0.10731	0.601826	ITPK1	yellow	0.217279011	0.276302602	ATG16L2	yellow	0.204548	0.316175
TMX1	yellow	-0.10535	0.608505	MR1	yellow	0.217484867	0.275836625	NICN1	yellow	0.205428	0.314053
RTEL1	yellow	0.105205	0.609012	TMEM41A	yellow	0.218045837	0.274569366	LOC387647	yellow	0.206434	0.311636
ZNF84	yellow	-0.10519	0.609079	GPX3	yellow	0.218974163	0.272480441	TBC1D23	yellow	0.206633	0.31116
HVCN1	yellow	-0.10513	0.60927	SEC14L1	yellow	0.221418749	0.267028566	MAP1LC3B	yellow	0.207202	0.309799
WDFY3	yellow	0.103701	0.614169	SLC30A1	yellow	0.223848705	0.26167959	NFATC2IP	yellow	0.20788	0.308183
ATP6AP1	yellow	0.103675	0.614258	PCED1A	yellow	0.224697944	0.259826697	SMG1	yellow	0.208944	0.305658
UBR1	yellow	-0.10363	0.614411	EDC3	yellow	0.225082445	0.258990595	FZD1	yellow	0.211418	0.299837
E2F1	yellow	-0.1025	0.618296	TARSL2	yellow	0.226904199	0.255052958	PIGC	yellow	0.212563	0.297165
KIF1C	yellow	0.102386	0.618695	INO80	yellow	0.227023797	0.254795827	MESDC2	yellow	0.214399	0.292914
TRA2B	yellow	0.101808	0.620684	XYLT2	yellow	0.228087611	0.252516113	ZNF75A	yellow	0.214633	0.292375
ALDH3A2	yellow	-0.10149	0.621787	DNASE2B	yellow	0.230115631	0.248207204	DBNL	yellow	0.214706	0.292206
LOC440173	yellow	0.101123	0.623049	ACOT7	yellow	0.230605518	0.247173631	HBEFG	yellow	0.215329	0.290775
SRA1	yellow	-0.10043	0.625463	TRANK1	yellow	0.231918676	0.244417076	ZNF546	yellow	0.215966	0.289316
CAPG	yellow	-0.09986	0.627415	MRPL4	yellow	0.232584295	0.243027587	MRPS21	yellow	0.21654	0.288005
COQ4	yellow	-0.09951	0.628632	MRPS22	yellow	0.232704001	0.242778253	RBM47	yellow	0.217524	0.285766
HSD3B7	yellow	0.099451	0.628837	GPS1	yellow	0.241479933	0.224957623	RP2	yellow	0.217895	0.284925
KIAA1467	yellow	0.099145	0.6299	EIF4EBP2	yellow	0.248827656	0.21072891	MLH1	yellow	0.218036	0.284606
DNAC19	yellow	-0.09817	0.633279	ARPC2	yellow	0.249811154	0.20887185	CELF6	yellow	0.221426	0.276995
ZNF165	yellow	-0.09808	0.63359	MED31	yellow	0.24995322	0.208604523	VLDLR	yellow	0.221562	0.276694
SNORA68	yellow	-0.09787	0.634324	QSER1	yellow	0.252502658	0.203846751	ABCA3	yellow	0.222538	0.274529
TMEM160	yellow	-0.09744	0.635816	SPIN4	yellow	0.253040327	0.202852894	OSBP3	yellow	0.224465	0.270287
SOAT1	yellow	0.096783	0.638116	POC1B	yellow	0.253338046	0.202304	HTRA2	yellow	0.225106	0.268884
STAT5A	yellow	-0.09665	0.638595	ZNF271	yellow	0.257381673	0.194949357	SSH2	yellow	0.225785	0.267405
LONRF3	yellow	0.096433	0.639336	KIAA0146	yellow	0.258649566	0.192681684	PPP1R3D	yellow	0.225854	0.267254
QRICH1	yellow	0.09643	0.639347	PPP2C	yellow	0.26410909	0.183125101	TMEM106C	yellow	0.22612	0.266678
ANKRD11	yellow	0.096137	0.640371	FAM32A	yellow	0.264327635	0.182749543	MAX	yellow	0.228984	0.260503
KCTD18	yellow	-0.09611	0.64045	MMS19	yellow	0.265001488	0.181594939	EXOSC3	yellow	0.231489	0.25518
FAM115A	yellow	-0.09608	0.640586	ZNF585A	yellow	0.270067761	0.173076623	ENPP4	yellow	0.232165	0.253756
GTF2E2	yellow	-0.09517	0.643751	PDE3B	yellow	0.272436319	0.169192183	MANBA	yellow	0.234973	0.247897
DCAF15	yellow	0.094878	0.644773	PIP4K2B	yellow	0.273194413	0.167961633	MEF2B	yellow	0.235809	0.246168
MED18	yellow	0.094816	0.644991	MTFP1	yellow	0.27498243	0.165084904	EIF4A2	yellow	0.236662	0.244415
VSIG4	yellow	-0.0944	0.646447	RAB38	yellow	0.275072595	0.164940765	TFDP1	yellow	0.237645	0.242403
FTH1	yellow	0.094074	0.647592	RRAG4	yellow	0.275470538	0.164305675	AMDHD2	yellow	0.240001	0.237626
SAT1	yellow	-0.09378	0.648635	CHUK	yellow	0.275957073	0.163531547	DCSTAMP	yellow	0.240383	0.236857
PGBD2	yellow	0.092951	0.651535	RNLS	yellow	0.278471327	0.159572205	BET1	yellow	0.240892	0.235835
LOC399753	yellow	-0.09228	0.653907	PARP6	yellow	0.280800327	0.155965735	DUSP10	yellow	0.241568	0.234483
AATF	yellow	-0.09175	0.655748	HSPBP1	yellow	0.281679697	0.154619237	NAMPT	yellow	0.243333	0.230978
SERF2	yellow	0.091645	0.656133	RNMTL1	yellow	0.282005471	0.15412252	ABCA2	yellow	0.243457	0.230733
TUFT1	yellow	0.090428	0.66043	PHPT1	yellow	0.282527327	0.153329203	CASP10	yellow	0.244991	0.227715
SPTLC2	yellow	0.090423	0.660448	PEX13	yellow	0.282618763	0.153190503	PDCD4	yellow	0.245473	0.226773
PBRM1	yellow	-0.08934	0.664287	EED	yellow	0.288349662	0.144675054	KLHDC2	yellow	0.247104	0.223603
PYCARD	yellow	-0.08927	0.664533	NUDCD3	yellow	0.289062089	0.143640761	SNRNAP48	yellow	0.247149	0.223516
LIRC45	yellow	0.088822	0.666115	RAB5C	yellow	0.295031105	0.135183314	CD55	yellow	0.247995	0.221885
ZNF511	yellow	-0.08859	0.666948	AIG1	yellow	0.296099393	0.133708599	PKI55	yellow	0.251462	0.21528
YTHDC1	yellow	0.088071	0.668779	IMPAD1	yellow	0.30660169	0.119827475	CSGALNACT	yellow	0.251642	0.21494
JC1001306	yellow	-0.08742	0.671106	BAG4	yellow	0.307674904	0.118471073	ZNF230	yellow	0.25288	0.212617
SEPHS2	yellow	-0.08686	0.673077	NF2	yellow	0.309240549	0.116512612	SAP30BP	yellow	0.255466	0.207819
ESYT1	yellow	0.086196	0.675452	KDSR	yellow	0.310454304	0.115010829	SATB2	yellow	0.257818	0.203519
TRAF4	yellow	0.085204	0.67899	TMEM234	yellow	0.312167421	0.112915563	DMXL2	yellow	0.259157	0.201098
SIGLEC9	yellow	-0.08437	0.681975	TP53	yellow	0.314287887	0.110361335	URGCP	yellow	0.25964	0.200229
MAD1L1	yellow	0.084065	0.683059	PPP2R4	yellow	0.317225013	0.106894464	RAB2B	yellow	0.262697	0.194793
SRGN	yellow	-0.08405	0.683106	IARS	yellow	0.317356149	0.106741588	MMAA	yellow	0.265395	0.19008
PNPT1	yellow	0.083896	0.683666	STRADA	yellow	0.317428099	0.106657778	CHMP5	yellow	0.266501	0.18817
DISC1	yellow	-0.08353	0.684976	SPL3	yellow	0.320843305	0.102735684	HNRNP41	yellow	0.268548	0.184672
NT5C	yellow	0.083159	0.686302	GNPNAT1	yellow	0.325089052	0.098011093	AKAP8L	yellow	0.268963	0.183968
SERINC3	yellow	-0.08217	0.68984	MATK	yellow	0.328471834	0.094364881	SCARN9	yellow	0.269499	0.183062
MAPRE1	yellow	0.081539	0.692119	UBA3	yellow	0.328934459	0.093874271	RAB5C	yellow	0.269645	0.182815
DYNLRB1	yellow	0.081433	0.692501	BSG	yellow	0.330301949	0.092435275	PPP1R21	yellow	0.271157	0.180278
DUS1L	yellow	0.081352	0.69279	SPTLC2	yellow	0.332205883	0.090459546	ZDBF2	yellow	0.271751	0.179287
TNKS2	yellow	-0.0811	0.693702	OXSAM	yellow	0.333363442	0.089274019	SLC4A1AP	yellow	0.272507	0.178034
RAP1GAP2	yellow	0.080712	0.695093	ZNF192	yellow	0.333860316	0.088768756	HNRNPAB	yellow	0.276137	0.172095
C3orf18	yellow	0.080315	0.696524	C11orf73	yellow	0.335279695	0.087337323	FAM210B	yellow	0.277492	0.169914
SRC	yellow	-0.08015	0.697134	LIPA	yellow	0.336246435	0.086372423	NUDT5	yellow	0.277634	0.169687
FAU	yellow	0.080046	0.697493	HNRNPD	yellow	0.337520974	0.085112684	CHMP1B	yellow	0.281236	0.163989
B3GALNT2	yellow	-0.08	0.697651	RNF216	yellow	0.337838327	0.084801194	ING3	yellow	0.281396	0.163739
ARL11	yellow	-0.07999	0.6977	COX6B1	yellow	0.339573167	0.083113675	TDRD9	yellow	0.281495	0.163585
ZNF558	yellow	-0.07962	0.699039	RPL15	yellow	0.342351879	0.080464102	DCUN1D2	yellow	0.282628	0.161824
BMPR2	yellow	-0.07954	0.699324	RPL26L1	yellow	0.34262698	0.080205331	NOP10	yellow	0.285156	0.157944
SP4	yellow	-0.07935	0.700001	ADCY7	yellow	0.345346551	0.077681196	C10orf57	yellow	0.286217	0.156334
PUM2	yellow	0.078646	0.702546	R3HDM1	yellow	0.345762966	0.077300128	C10orf11	yellow	0.291184	0.148958
GID4	yellow	-0.07853	0.702972	SUMO2	yellow	0.349626086	0.073832691	ZCCHC8	yellow	0.292709	0.146744
SNR1B	yellow	0.077693	0.70599	THAP7	yellow	0.34989691	0.073594159	LOC1005067	yellow	0.294364	0.144367
EP300	yellow	-0.07717	0.707893	MRPL39	yellow	0.34991757	0.073575987	FBXO31	yellow	0.294429	0.144275
PGD	yellow	0.07713	0.70803	LMBR1L	yellow	0.352659889	0.071194279	HSD17B7P2	yellow	0.29488	0.143632
GLUD1	yellow	0.076817	0.709164	FDXACB1	yellow	0.352918331	0.070972916	ZNF669	yellow	0.295509	0.14274
TMSB10	yellow	0.076168	0.711517	IFT172	yellow	0.353321963	0.070628253	MIS18BP1	yellow	0.299535	0.137121
VPS25	yellow	-0.07559	0.713598	DPF2	yellow	0.356248517	0.068167644	FAM162A	yellow	0.299813	0.136739
ATF7IP2	yellow	-0.07474	0.716722	SFT2D1	yellow	0.362596707	0.063057784	USF1	yellow	0.299967	0.136528
DCUN1D1	yellow	-0.07416	0.718817	PRMT5	yellow	0.362729292	0.062954323	TUG1	yellow	0.301557	0.13436
ZC3H11A	yellow	-0.07385	0.719953	PCCA	yellow	0.364519381	0.061570305	MFAP1	yellow	0.301862	0.133948
COX20	yellow	0.073396	0.721598	CDK5RAP2	yellow	0.364763195	0.061383642	ZNF267	yellow	0.304363	0.130596
RMRP	yellow	-0.0732	0.722302	HIF1AN	yellow	0.365474008	0.060841955	LOC1005060	yellow	0.308063	0.12575
NOL6	yellow	0.072941	0.723257	ARRB2	yellow	0.36610091	0.060367303	SCO2	yellow	0.308364	0.125362
TMBIM1	yellow	0.072719	0.724067	COMMD1	yellow	0.366616545	0.059979059	TRIM39	yellow	0.308569	0.125098
NSUNSP1	yellow	-0.07259	0.724549	MIEN1	yellow	0.367083855	0.059628881	PORCN	yellow	0.309271	0.124197
MYH9	yellow	0.072562	0.72464	PPM1D	yellow	0.368686581	0.058439955	FAM40A	yellow	0.309903	0.123389
STAT3	yellow	-0.07255	0.72469	GTF3C4	yellow	0.372233585	0.055874436	C7orf50	yellow	0.311496	0.121373
NEDD8	yellow	0.071883	0.727121	KDELR1	yellow	0.378098476	0.051826383	ATPGV0E1	yellow	0.312229	0.120452
LSM7	yellow	-0.07128	0.729337	RGCC	yellow	0.382175047	0.049150969	PRR3	yellow	0.31266	0.119914
H0XB6	yellow	-0.07052	0.732102	MTFMT	yellow	0.385984384	0.046750364	SHKBP1	yellow	0.314249	0.117943
MAP2K1	yellow	-0.06997	0.734115	PORCN	yellow	0.386244266	0.046590024	CTDSP2	yellow	0.317457	0.114037
CY5R4	yellow	-0.06996	0.734175	MAPK1IP1L	yellow	0.38644103	0.046468916	RTPA	yellow	0.318202	0.113144
SLC25A51	yellow	0.068701	0.738777	ELP5	yellow	0.388420614	0.0452642				

Table 6. Gene module membership and correlation with growth rate (48/72h), with adjusted p values for each module

IMMP2L	yellow	0.031089	0.880164
CCDC90A	yellow	-0.03103	0.880392
ATAT1	yellow	0.030842	0.881109
PARP10	yellow	-0.03042	0.882737
ANXA7	yellow	0.030204	0.883551
ENOSF1	yellow	0.029827	0.884996
BAG2	yellow	-0.0295	0.886233
ARHGGEF18	yellow	0.029051	0.887968
ACSS1	yellow	0.028873	0.88865
ACOT1	yellow	-0.02806	0.891757
HNMT	yellow	-0.02803	0.891879
SS18	yellow	-0.02789	0.892424
ZNF259	yellow	0.026883	0.896284
FAS	yellow	-0.02666	0.897124
C11orf57	yellow	0.025922	0.899972
ARPC2	yellow	0.02571	0.900784
RPP21	yellow	0.025481	0.901665
ZNF654	yellow	0.025291	0.902397
SLC38A6	yellow	0.024413	0.905768
RTN4IP1	yellow	-0.02435	0.905996
MTX1	yellow	-0.02398	0.907432
CTSD	yellow	0.023642	0.908731
BIRC6	yellow	-0.02363	0.908786
HY1	yellow	-0.02312	0.910749
TMLHE	yellow	-0.02285	0.91178
TM9SF4	yellow	-0.02249	0.913171
HLA-DRA	yellow	0.022329	0.913782
NRF1	yellow	0.021882	0.915502
ZNF766	yellow	0.021403	0.917344
FBXO25	yellow	-0.02077	0.91979
SNHG5	yellow	0.020404	0.92119
ABT1	yellow	-0.01991	0.923104
TRAPPC6A	yellow	0.019197	0.925838
ZNF318	yellow	0.019164	0.925968
DDX19B	yellow	0.018378	0.928996
DCK	yellow	-0.01798	0.930514
C21orf33	yellow	-0.01766	0.931755
TCTA	yellow	-0.0157	0.939315
HIST1H2AK	yellow	0.014461	0.944104
HIST1H4H	yellow	0.01441	0.944302
KATNB1	yellow	0.014181	0.945184
QSOX1	yellow	-0.0137	0.947054
USF1	yellow	-0.01352	0.947741
THOC5	yellow	0.01294	0.949975
CASP9	yellow	-0.01267	0.95102
TMEM150A	yellow	0.011925	0.953893
WBP11	yellow	0.011916	0.953928
AP3M1	yellow	-0.01189	0.954048
BTRC	yellow	-0.01184	0.954231
LANCL2	yellow	0.011678	0.954847
FAM120A	yellow	-0.01056	0.959159
NR2C2AP	yellow	0.00994	0.961562
TCEB1	yellow	-0.0096	0.962871
C9orf142	yellow	0.009507	0.963236
PPP1R13L	yellow	0.008622	0.966657
CYB5R2	yellow	0.008114	0.968622
FOXRED1	yellow	-0.00808	0.96875
THRAP3	yellow	-0.00801	0.969015
EPRS	yellow	0.007998	0.969068
TMEM141	yellow	0.007933	0.969321
LAGE3	yellow	-0.00729	0.971824
FSD1L	yellow	-0.00651	0.974811
UBA52	yellow	-0.00646	0.974996
SIKE1	yellow	0.00642	0.975167
LENG1	yellow	0.005039	0.980508
TP53	yellow	-0.00503	0.980553
TOR3A	yellow	0.004697	0.981832
DEF6	yellow	-0.00456	0.982353
NSMCE2	yellow	-0.00386	0.985075
TPT1	yellow	-0.00353	0.98633
PCM1	yellow	-0.00342	0.986763
DPP7	yellow	0.002389	0.990761
DCAF4	yellow	-0.0022	0.991487
BCAS2	yellow	-0.00136	0.994727
AKT1	yellow	0.001202	0.995351
OR6N2	yellow	0.000599	0.997681
APOE	yellow	-0.00025	0.999046

Additional file 9: Table S6B. Genes with a significant association between growth rate and expression after FDR correction within modules. Correlations are as indicated in Additional file 3: Table S3 and Additional file 7: Table S5. The yellow module itself (24h RPMs) is also significantly correlated with generation time.

Hour	GeneID	Module	Rsq	Pvalue	Padj
24Hr	RASSF2	black	-0.72918	1.60E-05	0.007295
24Hr	PDCD6IP	black	-0.68535	7.99E-05	0.016896
24Hr	PHF21A	black	-0.67532	0.000111	0.016896
2Hr	WEE1	orange	-0.62268	0.000681	0.028587
24Hr	TCF3	yellow	-0.68096	9.25E-05	0.031354
24Hr	PDK1	yellow	-0.67607	0.000108	0.031354
24Hr	BID	yellow	-0.63818	0.000341	0.034359
24Hr	LDB1	yellow	-0.63753	0.000348	0.034359
24Hr	MBD6	yellow	-0.62719	0.000463	0.034359
24Hr	CMIP	yellow	-0.61632	0.000619	0.034359
24Hr	STK25	yellow	-0.61139	0.000704	0.034359
24Hr	ARSA	yellow	-0.60679	0.000792	0.034359
24Hr	FASTKD5	yellow	-0.60194	0.000894	0.034359
24Hr	NSRP1	yellow	-0.58855	0.001241	0.034359
24Hr	FYTTD1	yellow	-0.58582	0.001324	0.034359
24Hr	RAE1	yellow	-0.58083	0.00149	0.034359
24Hr	DAXX	yellow	-0.57995	0.00152	0.034359
24Hr	KLF10	yellow	-0.57842	0.001575	0.034359
24Hr	TAF11	yellow	-0.57681	0.001635	0.034359
24Hr	UBN1	yellow	-0.57616	0.00166	0.034359
24Hr	PHIP	yellow	-0.57598	0.001667	0.034359
24Hr	CDYL2	yellow	-0.57347	0.001765	0.034359
24Hr	SIRT2	yellow	-0.57131	0.001854	0.034359
24Hr	COA4	yellow	-0.57038	0.001893	0.034359
24Hr	CCR1	yellow	-0.56868	0.001967	0.034359
24Hr	ATXN1	yellow	-0.56593	0.002092	0.034359
24Hr	CEBPB	yellow	-0.5659	0.002093	0.034359
24Hr	ZNF431	yellow	-0.56359	0.002203	0.034359
24Hr	AFG3L2	yellow	-0.56228	0.002268	0.034359
24Hr	DNAJB2	yellow	-0.56049	0.002359	0.034359
24Hr	PDIA4	yellow	-0.55987	0.002391	0.034359
24Hr	CXCL2	yellow	-0.5587	0.002453	0.034359
24Hr	CHMP1A	yellow	-0.55752	0.002517	0.034359
24Hr	HIST1H2BC	yellow	-0.55663	0.002566	0.034359
24Hr	DGAT1	yellow	-0.55614	0.002593	0.034359
24Hr	SUPV3L1	yellow	-0.55598	0.002602	0.034359
24Hr	IDH3B	yellow	-0.55553	0.002628	0.034359
24Hr	RPUSD1	yellow	-0.55517	0.002649	0.034359
24Hr	RBM42	yellow	-0.5551	0.002652	0.034359
24Hr	GLTPD1	yellow	-0.55418	0.002705	0.034359
24Hr	TMF1	yellow	-0.55159	0.00286	0.034359
24Hr	GPN2	yellow	-0.55052	0.002925	0.034359
24Hr	UBE4A	yellow	-0.54975	0.002973	0.034359
24Hr	MTO1	yellow	-0.54954	0.002987	0.034359
24Hr	ZNF564	yellow	-0.54782	0.003097	0.034359
24Hr	DPP9	yellow	-0.54772	0.003104	0.034359
24Hr	TNFAIP3	yellow	-0.5449	0.003292	0.034359
24Hr	CDAN1	yellow	-0.54379	0.003369	0.034359
24Hr	ST3GAL1	yellow	-0.54363	0.003381	0.034359
24Hr	LOC440434	yellow	-0.54285	0.003436	0.034359
24Hr	STUB1	yellow	-0.5419	0.003504	0.034359
24Hr	CXCL1	yellow	-0.54082	0.003583	0.034359
24Hr	TSG101	yellow	-0.54044	0.003612	0.034359
24Hr	SCARNA5	yellow	-0.54023	0.003627	0.034359
24Hr	PAPSS2	yellow	-0.53997	0.003646	0.034359
24Hr	MGRN1	yellow	-0.53962	0.003673	0.034359
24Hr	SCRIB	yellow	-0.53876	0.003739	0.034359
24Hr	FUS	yellow	-0.53867	0.003745	0.034359
24Hr	TBC1D2B	yellow	-0.53728	0.003853	0.034802
24Hr	COBRA1	yellow	-0.53283	0.004217	0.036945
24Hr	LOC541471	yellow	-0.53227	0.004264	0.036945
24Hr	TRMT61A	yellow	-0.53135	0.004344	0.036945
24Hr	MLL	yellow	-0.53132	0.004346	0.036945
24Hr	TAF1B	yellow	-0.52993	0.004469	0.037436
24Hr	MED28	yellow	-0.52891	0.004561	0.037573
24Hr	ICAM1	yellow	-0.52831	0.004615	0.037573
24Hr	N4BP2	yellow	-0.52461	0.004966	0.038326
24Hr	ELF2	yellow	-0.52379	0.005046	0.038326
24Hr	ETFB	yellow	-0.52138	0.005289	0.038326
24Hr	TBC1D10B	yellow	-0.521	0.005328	0.038326
24Hr	MAP3K4	yellow	-0.52072	0.005357	0.038326
24Hr	TRIP10	yellow	-0.52059	0.005371	0.038326
24Hr	HIST1H1C	yellow	-0.51882	0.005558	0.039177
24Hr	CCDC137	yellow	-0.51714	0.00574	0.039691
24Hr	STAG2	yellow	-0.51689	0.005768	0.039691
24Hr	MPHOSPH8	yellow	-0.51597	0.005871	0.03992
24Hr	TMEM106A	yellow	-0.5124	0.006283	0.039944
24Hr	LMAN1	yellow	-0.51238	0.006286	0.039944
24Hr	RPS6KC1	yellow	-0.51232	0.006293	0.039944
24Hr	WFS1	yellow	-0.51073	0.006484	0.039944
24Hr	IRF8	yellow	-0.51043	0.006521	0.039944
24Hr	SART1	yellow	-0.51022	0.006548	0.039944
24Hr	PHYH	yellow	-0.50928	0.006665	0.039944

24Hr	ZCCHC2	yellow	-0.50914	0.006681	0.039944
24Hr	SIRT7	yellow	-0.5088	0.006725	0.039944
24Hr	TTC31	yellow	-0.50799	0.006826	0.039944
24Hr	RALBP1	yellow	-0.50706	0.006946	0.039944
24Hr	SF1	yellow	-0.50682	0.006978	0.039944
24Hr	SETD8	yellow	-0.50676	0.006985	0.039944
24Hr	TRAPPC11	yellow	-0.50567	0.007129	0.039944
24Hr	HTT	yellow	-0.50541	0.007163	0.039944
24Hr	NUP205	yellow	-0.50528	0.007181	0.039944
24Hr	CORO2A	yellow	-0.50523	0.007187	0.039944
24Hr	SMS	yellow	-0.50459	0.007272	0.040031
24Hr	RARA	yellow	-0.50305	0.007482	0.040788
24Hr	YBX1	yellow	-0.50233	0.007583	0.040788
24Hr	C15orf39	yellow	-0.50167	0.007674	0.040788
24Hr	C21orf59	yellow	-0.50008	0.007901	0.040788
24Hr	C3	yellow	-0.4999	0.007927	0.040788
24Hr	NLRC4	yellow	-0.49937	0.008004	0.040788
24Hr	STRA13	yellow	-0.49909	0.008045	0.040788
24Hr	UBAC1	yellow	-0.49685	0.008379	0.041862
24Hr	ZCCHC9	yellow	-0.49617	0.008483	0.041905
24Hr	COX14	yellow	-0.49529	0.008619	0.042217
24Hr	ARPC1A	yellow	-0.49399	0.008821	0.042847
24Hr	SPNS1	yellow	-0.49283	0.009007	0.043143
24Hr	IL10RA	yellow	-0.49233	0.009089	0.043143
24Hr	TRUB1	yellow	-0.49212	0.009122	0.043143
24Hr	MAP2K3	yellow	-0.491	0.009306	0.043378
24Hr	SZT2	yellow	-0.49019	0.009441	0.043653
24Hr	FKBP8	yellow	-0.4891	0.009624	0.04415
24Hr	HGS	yellow	-0.48707	0.009975	0.044823
24Hr	WDTC1	yellow	-0.48661	0.010056	0.044823
24Hr	MED24	yellow	-0.48657	0.010064	0.044823
24Hr	NCL	yellow	-0.48647	0.010081	0.044823
24Hr	HPS4	yellow	-0.48509	0.010327	0.045567
24Hr	TNRC18	yellow	-0.48375	0.010573	0.046297
24Hr	CRADD	yellow	-0.47962	0.011355	0.048571
24Hr	EIF4B	yellow	-0.4781	0.011657	0.04918
24Hr	MLXIP	yellow	-0.47674	0.01193	0.049658
24Hr	XPA	yellow	-0.47668	0.011942	0.049658
24Hr	EXOG	yellow	0.47925	0.011429	0.048571
24Hr	NANS	yellow	0.481043	0.011081	0.047796
24Hr	RPE	yellow	0.482013	0.010896	0.047354
24Hr	MK167IP	yellow	0.49176	0.009181	0.043143
24Hr	EIF4EBP1	yellow	0.496702	0.008401	0.041862
24Hr	ATP6V0E1	yellow	0.49939	0.008001	0.040788
24Hr	ATP5L	yellow	0.499943	0.007921	0.040788
24Hr	ACTR8	yellow	0.506054	0.007078	0.039944
24Hr	COX6A1	yellow	0.506351	0.007039	0.039944
24Hr	NDUFB8	yellow	0.522798	0.005145	0.038326
24Hr	CLN6	yellow	0.523843	0.005041	0.038326
24Hr	COA1	yellow	0.523888	0.005036	0.038326
24Hr	TRIAP1	yellow	0.524548	0.004971	0.038326
24Hr	NDUFA13	yellow	0.54521	0.003271	0.034359
24Hr	JOSD2	yellow	0.546782	0.003165	0.034359
24Hr	CHCHD5	yellow	0.549878	0.002965	0.034359
24Hr	C14orf2	yellow	0.554498	0.002687	0.034359
24Hr	YIPF5	yellow	0.568335	0.001983	0.034359
24Hr	C14orf1	yellow	0.57079	0.001876	0.034359
24Hr	RBFOX2	yellow	0.578737	0.001564	0.034359
24Hr	CHRAC1	yellow	0.595242	0.001056	0.034359
24Hr	UBE2V2	yellow	0.616525	0.000616	0.034359