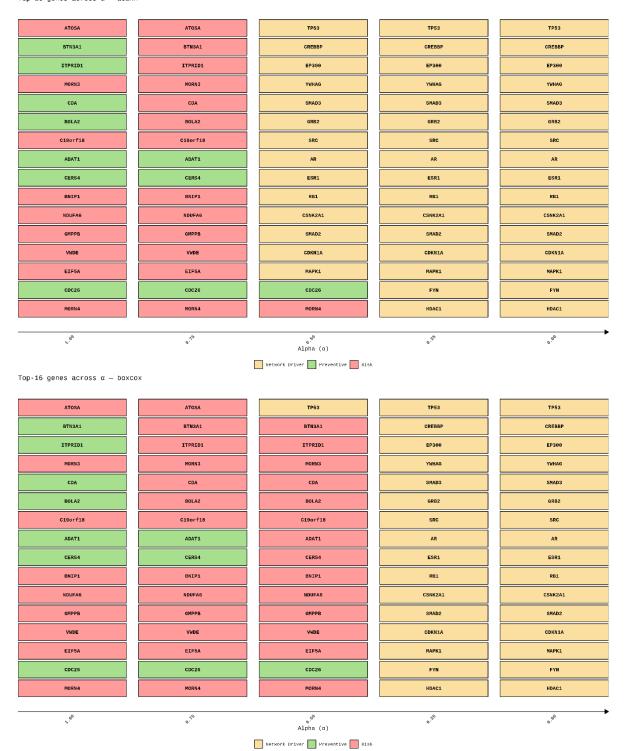
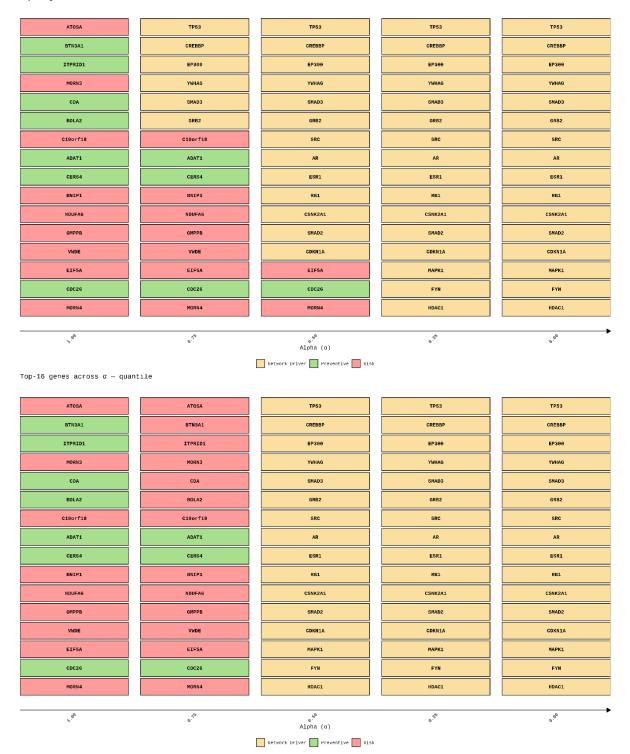
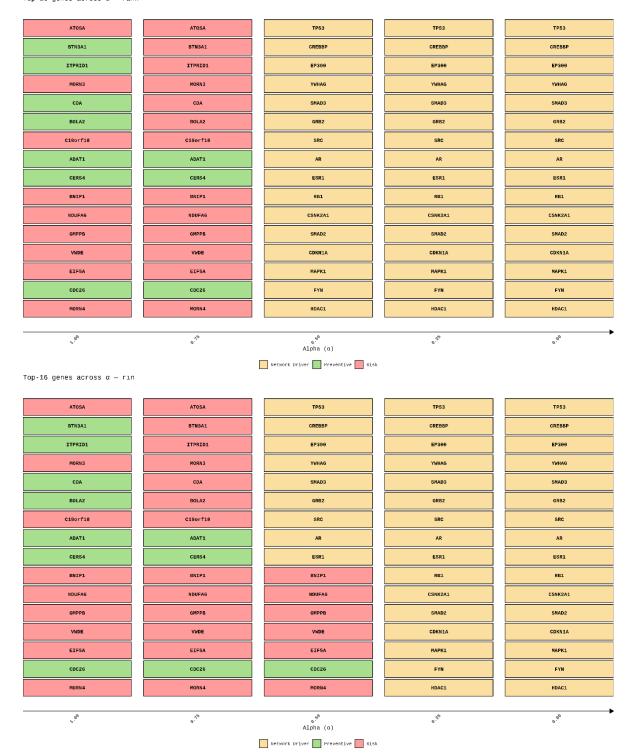
Different Normalization Techniques for the TOP 16 Genes:

Top-16 genes across α — asinh



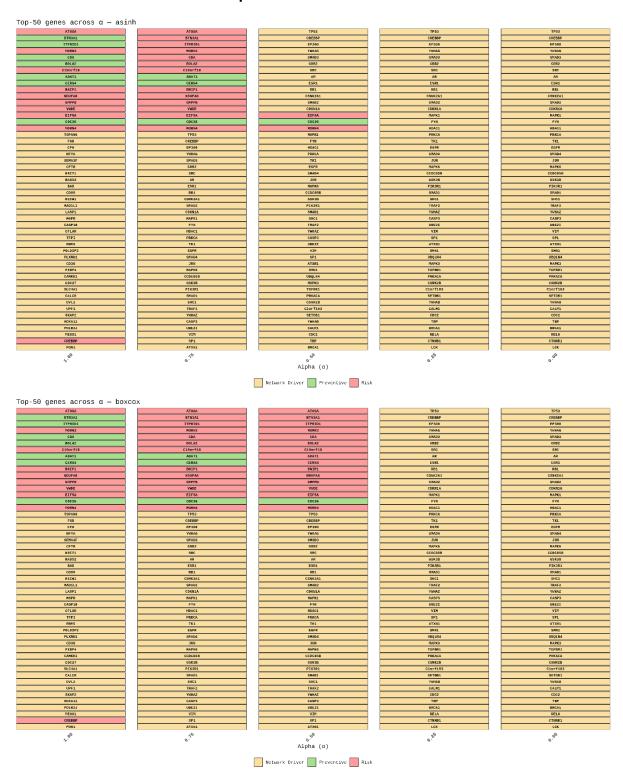




Top-16 genes across α — yeojohnson

ATOSA	ATOSA	TP53	TP53	TP53
BTN3A1	BTN3A1	BTN3A1	CREBBP	CREBBP
ITPRID1	ITPRID1	ITPRID1	EP300	EP300
MORN3	MORN3	MORNS	YWHAG	YWHAG
CDA	CDA	CDA	SMAD3	SMAD3
BOLA2	BOLAZ	BOLA2	GRB2	GRB2
C19orf18	C19orf18	C19orf18	SRC	SRC
ADAT1	ADAT1	ADAT1	AR	AR
CERS4	CERS4	CERS4	ESR1	ESR1
BNIP1	BNIP1	BNIP1	RB1	RB1
NDUFAG	NDUFAG	NDUFAG	CSNK2A1	CSNK2A1
GMPPB	GMPPB	GMPPB	SMAD2	SMAD2
VWDE	VWDE	VWDE	CDKN1A	CDKN1A
EIF5A	EIF5A	EIF5A	NAPK1	MAPK1
CDC26	CDC26	CDC26	FYN	FYN
MORN4	MORN4	MORN4	HDAC1	HDAC1
7.00	6.7 th	هِ ^{نِي} Alpha (a)	0.2 th	0,00
		Network Driver Preventive Risk		

Different Normalization Techniques for the TOP 50 Genes:



ATOSA	TP53	TPS3	TP50	TP53
BTNGA1	BTN3A1	CREBBP	CREBBP	CREBBP
ITPRID1	TTPRID1	EP366	EP300	EP306
MORNS	NGRN3	DAHMY	YWHAG	YWKAS
CDA	CBA	SMADS	SMAD3	SMAD3
BOLA2	B0LA2	GRB2	GRB2	GRB2
C19arf18	C19orf18	SRC	SRC	SRC
ADAT1	ADAT1.	AR	AR	AR
CERS4	CERS4	ESR1	ESR1	ESR1
8NIP1	BNIP1	R81	RB1	R61
NDUFAS	NDUFAG	CSNK2A1	CSHK2A1	CSNK2A1
G RPPB	GNPPS	GMPPG	SMAD2	SMADZ
VWDE	VNDE	VVDE	CDKNIA	CDKN1A
EIFSA	EIFSA	EIFSA	MAPK1	NAPK1
CDC26	CDC26	CDC26	FYN	FYN
MORN4	NORN4	MORN4	HDAC1	HDAC1
TSPAN6	CREBBP	SMAD2	PRKCA	PRKCA
FGR	EP300	CDKNLA	TK1	TK1
CFH	YWKAS	MAPKI	EGFR	EGFR
NEYA	SMADG	FYN	SMAD4	SMAD4
SENA3F	GRB2	HDAC1	JUN	JUN
CFTR	SRC	PRKCA	MAPK6	NAPK6
KRIT1	AR	TK1	CCDC858	CCBC85B
RAD52	ESR1	EGFR	6SK3B	65K3B
BAD	RB1	SHAD4	PIKSR1	PIKSR1
CD99	CSNK2A1	JUN	SMAD1	SMAD1
HECM1	SNAD2	MAPKG	SHC1	SHC1
MAD1L1	CDKNIA	CCDC85B	TRAF2	TRAF2
LASP1	NAPK1	GSK3B	YWHAZ	YWKAZ
M6PR	FYN	PIK3R1	CASPS	CASP3
CASP18	HDACL	SMAD1	UBEZI	UBE2I
CFLAR	PRICA	SHC1	VIH	AIW
TFPI	TK1	TRAF2	SP1	SP1
RBNS	EGFR	YWHAZ	ATXN2	ATINI
POLDIP2	SMAD4	CASP3	SMR1	SMN2
PLXND1	JUN	UBE2I	UBQLN4	UBQLN4
CD38	NAPK6	VIN	маркз	NAPK3
FKBP4	CCBC858	SP1	TGFER1	TGF8R1
CANKK1	G9K3B	ATXRI	PRKACA	PRKACA
C0C27	PIK3R1	SMN1	CSNK2B	CSNK2B
SLC4A1	SMAD1.	UBQLN4	Clorf103	Ciorf103
CALCR	SHC1	наркз	SET0B1	SETOR1
DVL2	TRAF2	TGFBR1	YWHAB	YWRAB
UPF1	YWIAZ	PRKACA	CALM1	CALME
SKAP2	CASP3	CSNK2B	CDC2	CDC2
HOXA11	UBEZI	Clorf103	TOP	TEP
POLRZJ	AIW	SETD61	BRCAL	BRCAL
MEOX1	SP1	YWHAB	RELA	RELA
CREBBP	ATXN1.	CALPI	CTNNB1	CTNNB1
PON1	SMN1	CDC2	LCK	LCK
90	46	⊌®	25	80
0 genes across α — gua	e ^{, o}	Alpha (α) Metwork Driver Preventive Risk	o do	o ig.
0 genes across α — qua	ntile ATGGA	Alpha (α) Network Driver Preventive Risk	1P5g	TP53
0 genes across α — qua ΑΤΟΘΑ ΒΤΙΚΙΑΙ	ntile ATGGA BTNAAL	Alpha (q) Network Driver Preventive Risk TPS3 CREAD	TPS0 CREEP	TPSS CREBP
0 genes across α — qua ATOBA BTRARL 17FRED	ntile ATGGA BTNDA1 TYPRID1	Alpha (q) Notwork Driver Preventive Risk THSS CRESP FF380	1750 CCERP F7300	1793 C6E869 F738
0 genes across α — qua ATOSA STRAM. 17FHED1 MONUS	ntile ATGGA 5700A3 TYPEGS	Alpha (q) Network Driver Preventive Risk TPS3 GREEP FREE FREE THUMB	1783 CRERP #7300 YMM5	TPS2 CREBEP EP399 VWRAG
0 genes across α — qua ATOBA BTRARL 17FRED	ntile ATGGA BTNDA1 TYPRID1	Alpha (q) Notwork Driver Preventive Risk THSS CRESP FF380	1750 CCERP F7300	1793 C6E869 F738
0 genes across α — qua ATOSA BTRACA TTPREES PORMES COA BOLAZ	ATGGA 8TGAA 1TPMID 6003 CBA 00042	Alpha (q) Network Driver Preventive Risk TPS GREEDP FRIED FRIED WHAND SHARD GREE GREE	1753 (SERP) 67300 YAMAG 3MAG GREZ	TPS3 CCECEP FP380 VYMAG SW03 GR02
9 genes across α — qua ATGM ETRAM. 1THRESS NORMS COA BOILE COA COBORTES	ATGGA BTPAM TYPETGE MORKE CDA DOLAZ CLEOFIES	Alpha (q) Network Driver Preventive Risk TPS3 GREEP FR380 YMMAG SMAG2 GREE GREE GREE GREE	TPS0 CREBP EF300 YHALG SMO3 CREZ SSC	TPS3
0 genes across α — qua ATOSA BTRACA TTPREES PORMES COA BOLAZ	ATGGA 8TGAA 1TPMID 6003 CBA 00042	Alpha (q) Network Driver Preventive Risk TPS GREEDP FRIED FRIED WHAND SHARD GREE GREE	1753 (SERP) 67300 YAMAG 3MAG GREZ	TPS3 CCECEP FP380 VYMAG SW03 GR02
0 genes across α — qua Tresta Tresta Tresta Tomas CoA BOLAF CISOSTIR ABATI	ATGGA 870A1 179401 6083 CBA 00A2 CLSOrf38	Alpha (d) Network Driver Preventive Risk TPS GREEDP FRISH TYMHOD SHARD GREE GREE GREE GREE AR	1793 CRERP F7300 YMM6 SM03 CREZ GRC	TPS3 CREEP FP380 VVMAG SVM3 GRP2 SRC
0 genes across α — qua STRAA ITFEED PORNES GDA BOLA2 CISON FIR ADATI CUSSA BUTI	### ATGA ##################################	Alpha (q) Network Driver Preventive Risk TPS3 GREEP FR380 YMMAG SMAGD GREE GREE GREE GREE GREE GREE GREE GR	TPS3 CREEP FF300 YMMG 3003 CRE7 600 AR ESEL	TP50 CREEP FF300 VYNA0 SHOULD GREE SEC AR ES82
O genes across α — qua ATGA BTRAM TYPRED NORME COA BOLAZ CISOFTE ADATE CUSS4 BUTPE BUTPE BUTPE	### ATOMA ####################################	Alpha (C) Network Driver Preventive Risk TPSS CREEDP FRAGO TYMMAG SAMAGS GROC GROC GROC AR EARL BRSS BRSS	1753 CREEP E7300 YAMAG BANGS CRE2 ABC AB CSMI AB	TPS3 CSEREP FP380 VYMA6 SIN03 GRP SSC AR ESR3 BRI BRI BRI
O genes across a — qua ATOMA STRINAL 1779/EDS COA 60A.74 COA 1049/ES COA 1049	ATOBA BYNAL TYPEDS ROBES CDA CDA COLOR COL	Alpha (d) Notwork Driver Preventive Risk THSS CREEP FISSO VALUE BANKS GARE GARE GARE GARE GARE GARE GARE GARE	17953 CREEP E7300 YMM6 B0023 GEGE GEGE AB ESS1 BB1 CNKA1	TPS3 CREED FF388 VYANAB OFFINE OFFINE ACC BACC BACC BACC CREEX STORE CREEX STORE CREEX STORE CREEX STORE CREEX STORE
0 genes across α — qua ATORA ATORA THERES PORES COA BOLA? GISON FIR ADATI CUSSA BIP1 BOUFAR GUPFR WEE ELTFAR	ATGA	Alpha (C) Network Driver Preventive Risk TPSS CREEDP FROM TWANG SAMES GRORE	TP\$0 CREEP E7300 VANAG BANG0 CRE2 BRC AR CSRI BRI CRNCAI BRI CRNCAI TRIP TRIP TRIP TRIP TRIP TRIP TRIP TRI	TPS3 CSREEP FP380 VYMAB SIND3 GR02 SSC AR CSR2 SSC AR CSR3 BS1 CSR2A1 SNW22 CDW3A ANKK
O genes across a — qua ATOMA STRAM 1TFFEED DOBUGE CLO BOLAT CLOSOFFEE ARTIS ARTIS SUPPR SUPPR WEE LIFSA COCCES	ATOBA ATOBA BTRANA TIPREDI ROBES CDA CLEMPTER ALORE GREPE SULPA COPYS VACC EFFA OCCES COCS	Alpha (d) Notwork Driver Preventive Risk TPS3 CREEDP FP380 YMMUG BMAED GMEZ BMC SACE BMC S	17923 CREEPP F7300 F7300 VANAS DAVOS OREZ ANG EST	TPS2 CREEP FP389 VYANA OPINS ORIE ACC ACC ACC ACC ACC ACC ACC ACC ACC AC
0 genes across α — qua ATGA ATGA STRAM ITFRED PORES GAA BOLA? CIDENTIE AAAT3 CUPSA BATP2 MOUFAS GUPPB VARE ETFSA COCCES PORMA	ATGGA BTNAAL TITETOL BORNS CDA DOLAZ CLIOFÉR ARATI CREM BUPL KUMAA GWYS WOE ETFAA GRESS BORNA	Alpha (C) Network Driver Preventive Risk TPSS CREEDE FROM FROM SARRES GREE GREE GREE GREE GREE GREE GREE	TPS2 CREEP F7300 VNMS0 50002 CRE2 SRC AR CSE1 BR3 CSK1A1 DSM02 CREAC FPPT1 FPPT1 FPPT1 HR061	TPF3 CERESP F 7340 VYMA6 SYM23 GR02 SSC AR ESK1 ESK2 CSM2A1 SWAZA1 F 794 HMGCL HMGCL
0 genes across α — qua ATOMA STRAM 1TFRED DONUS COM BOLAT CIDNOTES ANES CUPS WHE ETFM CCRS DONUS CCRS DONUS COM COM COM COM COM COM COM CO	### ATOBA ###################################	Alpha (d) Notwork Driver Preventive Risk TPS3 CREEDP FF380 YMMUG BMAED GREE MRC AR I GREE BRE GREE MRC AR I GREE GRE	TPS2 CREEP F7300 YMM5 SM03 SM03 SM03 SM03 SM03 SM03 SM02 SM2 SM2 F81 F81 CRM7A1 SM02 CRM7A1 SM02 FFFN WM64 FFFN WM64 FFFN	TPS3 CREEP FP38 VYANAB G1003 G
0 genes across α — qua	ATGA	Alpha (C) Network Driver Preventive Risk TPSS GREEN FRINGS SAMES SAMES GREE GREE GREE GRE GRE GRE GRE GRE GRE	TP\$2 CREEP EF300 VANAG SANDS CRE2 SSC AR CSR1 AR CSR1 BB1 CSNCA1 SNAG2 CORMA TSP3 FFYS HOGG PFNGA TTG3	TPGS GEREP FP380 VYMAB G1903 GRR2 GR
0 genes across α — qua ATOBA STRAM 1TFRED DONUS CON BOLAT CIDOTES ANATS CESSE SAPPES WEE EIFA CECSE DORNES CON CESSE CON CON CESSE CON CESSE	ATROM ATROM STRUMI TYPETO: MORES COM BOLES CLEAFTER AMATE CRESS WORE ELFAN COMES TYPES WORE ELFAN COMES	Alpha (d) Notwork Driver Preventive Risk TPSS CREEDF FRISO FRIS	TPS9 CREEP F7300 YVANA DANOS ORRE MOC AR CSNS AR CSNS CONSTA DANOS CONSTA DANOS CONSTA DANOS CONSTA DANOS CONSTA FIPTS FPNS HORGS FPNS HORGS TNL CONSTA	TPS3 CERREP FP388 VYANAB GF092 REC AA CENS2 AA CENS2 AA CENS3 AA CENS3 AA CENS3 AA
0 genes across α — qua ATGAA STRAM STRAM STRAM STRAM GAA BOLAZ GENETES AARTS CUSHA BUTPS MOSFAA GENETES SORNA SORNA SORNA SORNA SORNA SORNA	ATGGA BYNAMA 119404 BORS CAA DOLAZ CLIOFÍR ARATI CREM BUPL KUMAA GAYPO VOGE ETFAA GOESE BORMA TPGS GARGEP GYNAG	Alpha (C) Network Driver Preventive Risk TPS GRESP FROM FROM SAMED SAMED GREE GREE GRE GRE GRE GRE GRE	TPS2 CREEPP F7300 VNRMD SMAD2 CRE2 SMC AR CSR1 SR2 CRMCA1 DMAD2 CRMCA1 FFFE FFFE HRAC2 CRMCAA FFFE FFFE HRAC3 FRAC4 FRAC4 FRAC4 FRAC4 FRAC4 FRAC5 FRAC5 FRAC6 TTG	TPF3 CERESP FF38B VYMN8 SFM03 CERES SFM03 CERES SSC AR ESK1 ESK2 ESK2 CSM37A1 STM02 CORGIA ANYKI FYM HMSC1 FPMEA TYLL EOFR
O genes across α — qua ATOSA \$THEAD \$THEAD ITTREED COA BOLAT CISOFTS ANATI CISOFTS A	### ATOBA ###################################	Alpha (d) Network Driver Preventive Risk TPS3 CREEBP FR380 TWAND BANDS GREE FR380	1793 CREEP F7300 YVANA DAAD3 CREP H00C AR EVET H00C AR EV	TPS3 CREEP FP389 VYANAS SYMD3 GRE2 BSC AR CMS2 BSC AR CMS2 CMS2A1 CMS2A1 CMS2A1 CMSAA TMAC TMAC TMAC TMAC TMAC TMAC TMAC TM
0 genes across α — qua ATGAA ATGAA ITFREE PORNER COA BOLAZ CIBBATE ABAET CUSSA BAIT2 MODIFAB SUPPR WORE EIFSA COCCS CO	ATRIA ATRIA BETANA BETA	Alpha (C) Network Driver Preventive Risk TPS GREEP FROM FROM SMADD GREE G	TPS2 CREEPP 67300 WHAT SANDS GREEP SING AR CSR1 SRC AR CSR1 SRC AR CSR1 FRPS CRMANI SANDS CRMANI FPNS HOPG TNS GREEP TNS TNS TNS TNS TNS TNS TNS TN	TP92 CGEREP F 7340 VYMA6 SYMA6 SYMA6 SYMA6 GREP B 88C AR E 5812 GREPA1 SWA2 CORREA F 791 HMSCS F 791 GMA6 JMR SMA6 JMR SMA6 JMR SMA6 JMR SMA6 JMR
O genes across a — qua ATOSA BINAL ITPREDI COA BOLAZ CIDOCTES ABATI CIDOCTES BOULAS BUDI BOULAS CIDOCTES CIDOCTES BOULAS CIDOCTES CON BOULAS BOULAS BOULAS CON BOULAS BOULAS BOULAS BOULAS CON BOULAS BOULAS BOULAS BOULAS BOULAS CON BOULAS BOULAS BOULAS BOULAS CON BOULAS BOULAS BOULAS CON BOULAS BOULAS BOULAS CON BOULAS B	ATOMA ATOMA STRIAL TYPETOL MORKE CDA DOLAZ CLEMFIE AMATE CREM MORTE MORTE	Alpha (C) Notwork Driver Preventive Risk TPSS CREEDP FRIEND FRIED GREED FRIED GREED	1793 CREEP F7300 YVANA DAMAS CREE BOOC AR ENES BOOC AR ENES CREA BOOC AR ENES TEST CREA TO THE TEST TO	TPS3 CEREPO PP388 VYMAG SWD3 GRR2 SSC AR ENST AR AR ENST AR AR ENST AR AR ENST AR AR AR ENST AR
0 genes across α — qua	### ATOMA ####################################	Alpha (C) Network Driver Preventive Risk TPSS GEESP FRISA SAMES SAMES GERE GEESPE GERE	17953 CREEDP E7300 YAMAG B0003 G003 G003 G003 G003 G003 G003 G0	TPS3 CREED FP383 VNA6A DP303 CREE REC REC REC REC REC REC REC REC RE
O genes across α — qua Tresta	### ATOBA #### ATOBA ##### ATOBA ##### ATOBA ##### ATOBA ##### ATOBA ##### ATOBA ###### ATOBA ###################################	Alpha (C) Notwork Driver Proventive Risk TPS3 CREEDP FT380 YWHAD SAMED GREZ SEE SEE SEE SEE SEE SEE SEE SEE SEE S	1793 CREEPF #7900 YMM5 DMM3 CREZ MOC AR EVRI HOS CREZ HOC AR EVRI HOS CREXAS HOS CREXAS HOS CREXAS TOPPS TOP	TPS2 CREED FP380 VYMA6 SVM03 CRE2 SSC SSC SSC SSC AR CSSS SSC AR CSSS SSC AR CSSS AR AR CSSS AR CSSS AR CSSS AR AR CSSS AR CSSS AR AR CSS AR CS AR
O genes across a — qua ATOMA STRINAL 1779/ED1 PORME COA BOALATS BOAL	### ATOMA ####################################	Alpha (d) Notwork Draver Preventive Risk TPS3 CREEP FP380 YMMUG BAMES GARE FS8 FS8 FS8 FS8 FS8 FS8 FS8 FS	17953 CREEDP E7300 YAMAG B0003 G003 G003 G003 G003 G003 G003 G0	TPS3 CREED FF388 VVANA SPASS CREED FF388 VVANA SPASS RES RES RES RES CREET RES RES CREET RES RES CREET RES
O genes across α — qua Tresta	### ATOMA ###################################	Alpha (C) Notwork Driver Proventive Risk TPS3 CREEDP FT380 YWHAD SAMED GREZ SEE SEE SEE SEE SEE SEE SEE SEE SEE S	17953 CREEP #7300 F7300	TPS2 CREED FP380 VYMA6 SVM03 CRE2 SSC SSC SSC SSC AR CSSS SSC AR CSSS SSC AR CSSS AR AR CSSS AR CSSS AR CSSS AR AR CSSS AR CSSS AR AR CSS AR CS A
9 genes across α — qua ATOBA TITREED TORRED TORRED COA BOLAZ CISOSTE ABATI CUSSE BUDIFA BUDIFA GENES GENES FOR FOR FOR FOR FOR FOR FOR FO	### ATOPA	Alpha (C) Network Driver Preventive Risk TPSS GEEBP FRIBO FRIB	17923 CREEPP E73200 YMMAD SMAD3 CREZ GREZ GREZ GREZ GREZ GREZ GREZ GREZ G	TPR2 CRESSP FF380 VYMA6 SW03 GM2 SM2 SM2 SM2 SM2 SM2 SM2 CM32 CM32 CM32 CM32 CM32 CM32 CM32 CM
O genes across (I — qual ATOMA STRAM STRAM STRAM STRAM STRAM COM BOAT BOAT COM BOAT	ATOMA BYWALL TYPEDS BORNS COM BORNS COM	Alpha (d) Notwork Draver Preventave Risk TPS3 CREEP FP380 YMMUG BAMES GREE BRE BRE GREE BRE GREE GREE	TPS2 CREEP FY300 YAMAS DA003 CREE AND C	TPS2 CREED FP388 VYWARA OFFICE BEST ACC BEST BEST BEST BEST BEST CREET STORE S
0 genes across c — qua ATOBA TITREED TOMORS COA BOLAZ CISOSTES ABAT3 CUSSES BUDIFAS BUDIFAS GONES COA BOLAZ CISOSTES ABAT3 CUSSES BUDIFAS GONES FOR FOR FOR FOR FOR FOR FOR FO	### ATOPA	Alpha (C) Network Driver Preventive Risk TPSS GREEDP FRIBO FRIBO SMADS GREE GREE AR ESPE BRS1 GREET GREET GREET FRY GREET	1792) CREEPP E7300 YMM0 SM03 CRE2 GRE2 GRE2 GRE2 GRE2 GRE2 GRE3 GRE3 GRE3 GRE3 GRE4 GRE3 GRE4 GRE4 GRE4 GRE5 GRE4 GRE5 GRE5 GRE5 GRE5 GRE5 GRE6 GRE6 GRE6 GRE6 GRE6 GRE6 GRE6 GRE6	TPR2 CREEP FP380 VYM86 69W93 GRR2 SRC AR ESR1 CRR2A1 CRR2A1 FRS1 CRR2A1 FFS FFS FFS FFS FFS FFS FFS FFS FFS FF
O genes across a — qua ATOMA STRAM 1TFRED DOMORS COM BOAR CINOTER ANTS CURST	ATOMA BYRDAXI STREAM STREAM TYPETOL ROBES COM CLEMPT ST. AMAN ST. COM ST. AMAN ST.	Alpha (C) Notwork Driver Preventive Risk TPS3 CREEDP FP380 YMMUD BMAD3 GMR2 MMC AM 1 AM 2 CREEDP FP380 MMC MMC AM 3 CREED MMC AM 4 AM 4 CREED MMC AM 5 AM 5 AM 6 CREED MMC AM 7 MMC MMC MMC MMC MMC MMC MMC	TPS2 CREEPP F7300 F7300 V9005 D0007	TPS3 CREEDP FP388 VYWARB OFFINE OFFINE OFFINE SEC SEC SEC SEC SEC SEC SEC SEC SEC SE
9 genes across α — qua	### ATGGA	Network Driver Preventive Risk TPSS GREEDP FRIEND FRIEND GREED FRIEND GREE G	1792) (CRERP) (F7300 (F7300) (TPS2 CREEP FP380 VYM86 SM93 GRR2 SRC AR ESS1 BR1 CSM82A1 SM02 CDM82A PFN FFN FFN FFN FFN FFN FFN FFN FFN FFN
O genes across a — qua ATOBA BTHAM 1TFFEED 100003 COA BOLAT CIDONTES ANAIT3 CITE ANAIT3 ANAIT3 CITE ANAIT3 ANAIT3 ANAIT3 CITE ANAIT3 A	### ATROM #### ATROM ###################################	Alpha (C) Notwork Driver Preventive Risk TPSS CREEDP FTSSO VAMAD BAMED GREE ROS AR ESSE ROS AR ESSE ROS AR ESSE ROS AR CREEDP FTSSO AR ESSE ROS AR CREEDP ROS AR ESSE ROS AR CREEDP ROS AR CREEDP ROS AR CREEDP FTSS CREEDR AR ROS FTSS CREEDR AR AR ROS FTSS CREEDR AR AR ROS FTSS CREEDR AR AR ROS CREEDR ROS AR AR AR AR AR CREEDR ROS BAME BAME CREEDR BAME CREEDR BAME CREEDR BAME CREEDR BAME CREEDR BAME CREEDR	TPR9 CREEPP F7300	TPS3 CREREP FP388 FYWARB GWAP GWAP GWAP GWAP GWAP AWA AWA AWA AWA AWA AWA AWA AWA AWA
0 genes across α — qua 87884 177821 178221 100003 CDA 001A2 CISO4TE ADATI CUSS4 80774 80774 80774 00004 1757A 00	### ##################################	Alpha (C) Network Driver Preventive Risk TPSS CREEDP FRAGO FRAGO FRAGO GREE GRE	1792) (CRE REP	TPS3 CCECEP FP380 CCECEP FP380 VYMAG SNU03 CCEC SNC AR ENS1 CCNN2A1 CCNN2A1 FVN NNKK1 FVN NNCC FPNCA JUN CCNN2A CCNN2A TTL CONSA JUN CCNN2A TTL CONSA TTL TENSE
0 genes across α — qua ATOBA BTRAM 1TFRED1 DONN BOLAT CLOW THE BOLAT COPE BOLAT BOLAT COPE BOLAT BOLAT BOLAT COPE BOLAT BO	ATROA STRUAT STRUAT TYPETOL MORES COA BOLES CLEAFTER CAMER CAME	Notwork Driver	TPRO CREEDP FT300 FT300 TVMML DM003 GREP MRC AR AR CSMS AR CSMS CSMS CSMS CSMS TRS FTW HSSCA TRS GREP DM044 JUB HSPCS CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	TPS3 CEREEP FP388 VYWAB OFFICE OFFICE FP388 OFFICE ARC
9 genes across α — qua	### ##################################	Alpha (C) Notwork Draver Preventive Risk TPSS CREEP FPSSO VANAG SAMES SAM	TPS0 CREEP FYSOR FYSOR TYMAG BOODS GOODS	TPS3 CREED FP383 VNA6A DP303 CREED FP383 CREED FRA6A F
0 genes across α — qua ### ATORA ### ATORA ### ATORA ### ATORA	ATOMA ATOMA STRIAL TYPETOL MOREL CDA DOLAZ CLEOFFER AMAT CRESS MORE EFFA CORES C	Alpha (C) Notwork Driver Preventive Risk TPSS CREEDP FREED FREED FREED SMADD GREE SMC AR ESP2 SMC AR SMC TRL CCOCCOR SMC AR SMC CCOCCOR SMC AR SMC TMAD CCOCCOR SMC TMAD SMC AR SMC TMAD AR SMC TMAD AR SMC TMAD CCOCCOR TMAD CCOCCOR SMC TMAD CCOCCOR TMAD	TPR3 CREEPP F7300 YVANA DAMA3 CREP H700 AA H701 AA H701 AA H701 AA H701 AA H701 AA	TP93 CEREBP FP388 FP388 FYWAGA GMD2 GMD2 SMC AM CMS1 CMS1 CMS1 CMS1 CMS1 CMS1 CMS1 CMS
0 genes across a — qua ATOMA \$THYMEL \$THYMEL \$THYMEL \$MAN \$MAN	### ATOMA ####################################	Alpha (C) Notwork Draver Preventave Risk TPS3 CREEP FP380 VWHUNG BAMES GREE	TPS3 CREEP F7300 F	TPS3 CREED FF300 F
0 genes across α — qua ATOSA \$THEAD \$THEAD TYPERD COA BOLAT CISOFTS ANATI ANAT	ATOMA ATOMA STRIAL TYPETOL AGRA CDA DOLZ CLEOFIE AGAT CREM AGAT CREM AGAT CREM GOVE CLEOFIE AGAT CREM GOVE CREM GOVE	Alpha (C) Notwork Driver Preventive Risk TPSS CREEDP FREED F	TPS3 CREEPF F7300 YVANA DAAD3 CREP H700 AM ENET H700 AM	TPS3 CREED FP389 CREED FP389 VYANAS SYMD3 GRE2 BRC AR CRE2 BRC AR CRE2 CREET CREET FPREA FPREA FPREA FPREA FREA FREA FREA FREA FREA FREA FREA F
0 genes across c — qua ATOMA \$THANA 1779/ED1 900002 COA 600.75 COA 600.75 COA 600.75	ATOMA BYDALL TYPEDS ROBES COLL TYPEDS COLL TYPEDS COLL TYPEDS COLL TYPEDS COLL TYPEDS COLL TYPEDS TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYPE	Alpha (C) Notwork Draver Preventave Risk TPS3 CREEP FP380 YNMUG BAMES GREE FS8 FS8 FS8 FS8 FS8 FS8 FS8 F	TPS3 CREEP F7300 F	TPS3 CREED FF300 F
0 genes across a — qua ATOSA \$THEAD \$THEAD TYPERD COA BOLAT CISOFTS ANAT ANAT COB ANAT COB ANAT A	### ATOBA #### ATOBA ##### ATOBA TYPETOL NORMA CDA CDA	Alpha (C) Notwork Driver Preventive Risk TPS3 CREEBP FR380 FR380 FR380 GREEP SRCC ARP RRSS COMMAN R	TPS3 CREEP E7300 YVANA DAAD3 CREE END AR END	TPS3 CREED FP389 CREED FP389 VYANAS SYMD3 GRE2 BRC AR CRE2 BRC AR CRE2 CREET CREET FPREA FPREA TYR EGGR SYMD3 CREET FPREA TYR EGGR SYMD4 JUR ANTRS CREET J
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0 genes across α — qua ATOSA \$THANAL ITTERES PORMES COA BOLAZ CISOFTE ABATI CISOFTE ABATI CISOFTE BOUPAR WEE CIFFA ROPPE	ATOBA ATOBA STRIAL TYPETOL AGRA CDA DOLZ CLEOFIE AGRA AGRA DELZ CLEOFIE GERBA DELZ CLEOFIE GERBA DELZ CLEOFIE GERBA AGRA CLEOFIE GERBA AGRA COMILA DELZ COMILA AGRA COMILA AGRA COMILA AGRA COMILA DELZ COMILA AGRA COMILA DELZ DELZ DELZ COMILA DELZ	Alpha (C) Notwork Driver Preventive Risk TPS3 CREEDP FRISA FRISA BAGE2 GROWNAL BAGE2 GROWNAL BAGE2 GROWNAL FRISA FR	1793 CREEP E7300 YAMAG DAAG2 CREEP H7000 DAAG2 CREEP H000 AR EVAL H013 CREAT H001 AR EVAL H013 CREAT H001 TAGAC3 CREAT H001 TAGAC3 TAGAC4 TAGA	TPS3 CREED FP388 VYANAS SYMD3 GRE2 BRC AR CRE2 BRC AR TYL BRC CRE8 BRC AR AR CRE8 BRC AR TYL BRC CRE8 BRC AR AR CRE8 BRC AR TYR BRC CRE8 BRC AR TYR BRC AR BRC AR TYR BRC AR BRC AR BRC AR TYR BRC AR BRC A
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0 genes across c — qua ATOMA ATOMA 1779/ED1 90002 COA 600.75 COA 600.75 600.7	### ATOMA ####################################	Alpha (C) Notwork Draver Preventave Risk TPS3 CREEP FP380 YMMU0 BMAD3 GMP2 SMP2 SMMD SMP2 SMP2 SMMD SMP2 SMMD SMP2 SMMD SMP2 SMMD S	TPRO CREEP FYSIO VENES FYSIO VANAG DANCE AN EST FYSI CREATA BENO CREATA BENO CREATA BENO CREATA BENO CREATA FYSI BENO CREATA CREATA BENO CREATA FYSI CREATA BENO CREATA BENO CREATA BENO CREATA FYNI BENO CREATA BENO CREATA BENO CREATA FYNI BENO CREATA TOTAL BENO CREATA TOTAL BENO CREATA TOTAL BENO CREATA TOTAL	TPS3 CREED FF300 F
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### 1985 1985	Note	The color The			TP53		TP53
Wilson W	March Marc	March Marc	BTNGAL	BTNOA1	CREBBP	CREBBP	CREBBP
Mail	10 10 10 10 10 10 10 10	10 10 10 10 10 10 10 10	ITPRIO1	ITPRID1	EP36G	EP300	EP388
Mary	March Marc	March Marc					
Company Comp							
March Marc	Mail	Mail	B0LA2	B0LA2	GRB2	GRB2	GRB2
100 100	100 100	100 100	C19arf18	C19orf18	SRC	SRC	
March Marc	March Marc	March Marc					
Marco Marc	1982 1982	1982 1982					
Section Sect	100 100	100 100	BRIPI		R81		
WE	100 100	100 100	NDUFAS	NDUPAG	CSNK2A1	CSRRZAI	CSNK2A1
CIGA	Total Tota	Total Tota					
100 100	Column	Column					
March Marc	March Marc	March Marc					
Tribute Trib	March	March			HD9C1	WDACI	HBOCI
Total Company Total To	To	To					
No.	100 100	100 100					
The color of the	Table	Table	CFH	EP300	EGFR	EGFR	EGFR
Section	1985 982	1985 982	NEYA	YWKAG			SMAD4
Column	177	177					
March Marc	March Marc	March Marc					
Column	Dec Dec Property Prop	Dec Dec Property Prop	KRIT1	SRC	CCDC85B	CCDC85B	CCBC85B
Onl	Description	Description	RADS2				GSK38
March Marc	March Marc	March Marc		ESR1		PIK3R1	
1907 1907	March Marc	March Marc	CD99	RB1			
COST	Cold	Cold					
March Marc	March	March	MAD1L1				
Control Cont			LASP1	CDKN1A	YWHAZ	YWHAZ	YWHAZ
COLD	Column	Column					
### 1971 ### 1972	1972 1980 195 19	1972 1980 195 19					
Tright T	Marco Marc	Marco Marc					
TAME	March	March	IIVI	PRKCA	SP1	5P1	SPI
MARCON M	CAMP	CAMP	POLITE?	TEI	ATXR1	A1 XU2	ATXXI
1982 1982	100 100	100 100					
Table Tabl	1992 1992	1992 1992					
COMMAN C	COMMON	COMMON	FKBP4	NAPKS			
CORRECT CORR	COURT COUR	COURT COUR	CANKK1	CCBCBSB	PRKAGA	PRKAGA	PRKACA
Color Colo	Court Cour	Court Cour					
March Marc	Section Sect	Section Sect					
9012 1002 1002 1002 1003 10	DOUG	DOUG	CALCR	SNAD1	SET081	SETOR1	SETOR1
1972 1982	1972 1982	1972 1982	DVL2	SHC1	YWHAB	YWHAB	YWKAB
MINISTED	TRANS	TRANS	UPF1	TRAF2	CALPI	CALMI	CALME
PROSECT	PROSECT PROS	PROSECT PROS					
Procedure Pr	Trick	Trick					
CREATE	Create C	Create C	POLRZJ	UBEZI	BRGAL	BRCAL	URCAL
A	## Alpha (z) Nother's Private Proventive State	## Alpha (z) Nother's Private Proventive State					
Alpha (c) Return Friver Preventive Risk	Applia (d) Retears Proventive Rask	Applia (d) Retears Proventive Rask					
			PON1	ATXN1	LCK	LOX	LCK
\$1934 \$1935 \$17955 \$17	FIRMAL	PRINCE P	**************************************	ø.	Alpha (α)	v	
179803 189803 1	179905 1	179905 1	50 genes across α — rin		Alpha (α) Network Driver Preventive Risk		
Marco	MARS	MARS	50 genes across α — rin	АТОВА	Alpha (d) Network Driver Preventive Risk	TP83	TPS0
CAL	GAL	GAL	50 genes across α — rin ATOSA BYRING	ATOGA STRAKI	Alpha (d) Motwork Driver Preventive Slak	TP53 CRERP	TPS3 CREEEP
MAX	BOLZ	BOLZ	50 genes across α — rin ATOSA STRIAGI TFREES	ATGGA 5782A1 3794701.	Alpha (d) Network Driver Preventive Risk ATOM BTHAM TIMENE	TP53 CREEP FP300	TP59 CREEP FP36
AMATS	ABAT	ABAT	50 genes across α — rin ATOBA STREAL 1TPRED1 MONUS	ATGGA 578341 1798151 90933	Alpha (d) Notwork Driver Preventive Risk ATOM. BTSSAI TITREDS MONS	TP50 CREEP F700 YWM6	TPS3
SEPS	CUSH	CUSH	50 genes across α — rin 81084 1178702 90003 GA BBAL2	ATOSA BTHAL TYPHIL TYPHIL MORES CEA	Alpha (d) Notwork Driver Preventive Risk ATOM. BTSANI TITRED: MONS GOA BOAZ	TP50 CREEP FF300 YWM66 SM000 CREE	TPS3 GEERP FP38 VWMA GF030 GF031
BATP CORREAL CORREA	BET	BET	50 genes across α — rin ATGM BTHAM TYPHED NORMS COA BOLAZ CISHTIB	AT06A BTRIAL TTP#ID1 MORES CEA DOLA CLEOFER	Alpha (d) Network Driver Preventive Risk ATOM BTRANI TITMENS ROMAS COA BOLAZ CISAFIS	TP50 CREREP F7300 YMMA SM000 CREZ 55C	TPS3 CREEP CP389 VVNAG SVAG3 CRE2 SSC
MOVINA M	MODIFIAN	MODIFIAN	50 genes across α — rin ATOM BTRMAL TTERDA PORMS GUN BOLA2 CISHTIB AMMII	ATGGA 5780A1 179804 90803 CBA DOLA2 CLOPF18 ABAT1	Alpha (d) Notwork Driver Preventive Risk ATOM PRANI TITREID: MONES COA BOAZ CISEFER ADOI1	TF50 CRERP FF300 YWM66 SM000 CRER BRC AR	TPS3 GEERP FP385 VWMA GMA3 GMA3 GMA2 AN
WARE WORE WORE WORE WORE COURTA COURTA	Web Web Web Web Web CORRA CORDA ETFA ETFA ETFA ETFA TAVA TAVA ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER FOR CORDA ROBER ROBER FOR CORDA ROBER ROBER FOR CORDA ROBER ROBER FOR Web ROBER ROBER ROBER FOR Web ROBER ROBER ROBER FOR ROBER ROBER	Web Web Web Web Web CORRA CORDA ETFA ETFA ETFA ETFA TAVA TAVA ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER ROBER FOR CORDA ROBER ROBER FOR CORDA ROBER ROBER FOR CORDA ROBER ROBER FOR Web ROBER ROBER ROBER FOR Web ROBER ROBER ROBER FOR ROBER ROBER	SO genes across α — rin ATGA BTHAM THREES PORMS CON BOLAZ CISHTER ADATI CUSH4	ATOGA BTRACT TYPETOL ROBEL COA BOLA CLSO-FEE ADATL CES-4	Alpha (d) Network Driver Preventive Risk ATOMA BTRANI TITMEDIS MORRAS COA BOLAZ CISAFIE AGAII CCS84	TP50 CREREP # F7000 YMM50 SM000 GRE2 550 AR E581	TPS3 CREEP CP389 VVNAG SVAG3 CRE2 SRC AN ESS3
WOE WOE WOE WOE COURTA COURTA	WeE	WeE	50 genes across α — rin Area BTRAA THREDA NORMS GEN BDIA2 GLOOFIS ABATI GLESA BNT1	ATGGA 5780A1 179101 90983 CBA 500A2 CLOPF18 ABAT1 CERS4 501F1	Alpha (d) Notwork Driver Preventive Risk ATOM FIRM THREID MONUS GOA DOAZ CISHE'SA ADOII CC5544 MORFI	TP50 CREREP FF300 YWM86 S9400 CREE BBC AR CSML	1753 GEERP FP385 VWMA GP403 GM02 BMC AN E5931
CFFA	CCCAB CCCAB CCCAB CCCAB CCCAB FPN	CCCAB CCCAB CCCAB CCCAB CCCAB FPN	SO genes across α — rin ATGA BTRAM TYPEED YOUNG CON BOLAY CIDOFTS ADATI CIESA BEPT BUPPA	ATOGA BTHAM TIPPID TORN COA COA COA CLISOFIS ADATA CERS BUILT CERS BUILT CERS BUILT CERS BUILT CERS BUILT CERS BUILT SQUIPA	Alpha (d) Network Driver Preventive Sisk ATOMA BTRAM1 ITHWIDE KONNES COA BOLKE CISHFIE AGATI CERE4 BNIFI BNIFI	TP50 CREEP #7300 YM46 89400 GRE2 550 AR ESEL 851 CRECAL	TPS0 CIESEP PF389 VVMA0 SP303 GRIP SRC AR ESS3 RR1 CSNEAL
CACCAS CACCAS CACCAS FFW FFW	CCCS CCCS FYN FYN NORMA NORMA NORMA NORMA NORMA TOPANS TYS TYS TYS TOPANS TYS TYS TYS TOPANS TYS TYS TYS TOPANS TYS TYS TYS TOPANS TYS TOPANS TYS TYS T	CCCS CCCS FYN FYN NORMA NORMA NORMA NORMA NORMA TOPANS TYS TYS TYS TOPANS TYS TYS TYS TOPANS TYS TYS TYS TOPANS TYS TYS TYS TOPANS TYS TOPANS TYS TYS T	50 genes across α — rin Area ETMAA TTPRED ARMONIS GEN BOLA2 GENETIS ARMII GENS BATPI BOUTAS GENTAS BOTTAS	ATGGA BYRDAL 1794701 ROWNS CEN BOLAZ CLOCFER ABOLL CRE4 BNIPL KUUPAO GOWPE	Alpha (d) Notwork Driver Preventive Risk ATOM. ATOM. DINAL ITTREDS COM. FORZ CISHETS 40011 CCRS4 SUPE1 BUTE1 BUTE1 BUTE1 BUTE1	TP50 CREEP FF300 TVMM6 SM02 GREE RGC AR ESR1 BB1 CMMCA1 SM02	1753 GEERP FP385 VYMAG GSV83 GSV83 GR02 REC AN ESK2 REL CSW2AL 39002
	NORM	NORM	GO genes across α — rin ATGMA STRAM STRAM STRAM TITHEELE CEN BOALP CEN CEN SOLUTION	ATOMA STEACI TYPETOL MODES CDA SOLAT CDA CLASSIFIE GRAPI G	Alpha (d) Notwork Driver Preventive Slak ATOMA BTRANA TITWIDS COM COM COM COM COM COM COM COM COM CO	TP50 CRERPF FF300 TVNA00 SN002 GREE GREE GREE GREE GREE GREE GREE GRE	TP59 CRESPO FP385 VVMA0 SP303 CRESP RR R RR CRESP RR R
TSPAND TPS	TSPAND	TSPAND	50 genes across α — rin ATGRA STRAAL ITTEERS NORES GEN BOLAZ GISSEFIE ARANI GUSSA BATZ HOUTAS GUSSA GUSSA GUSSA GUSSA BATZ WORE GUSSA	ATGGA 5TEACL 1174104 10083 COA 60042 CINOPIR ABRIT CERSI 500170 GERSI CONPE GOUPA GOUPA	Alpha (d) Notwork Driver Preventive Risk ATOM. ATOM. DIRAL ITTERDA COA ROAZ COA COA ADATI COASA ADATI COASA SOUTE ROFFAA GOFFAA	TPS0 GREEP FF300 FYMMA SMO29 GREE SMC AR ESM1 BB1 CMMCA1 SMCA2 GMCA2 GMCAA MMCA3	1759 GEEBP FP389 VYMA0 G9589 GEEP SEC AN ESSE REI CSNEZAI BN026 GROSA ANANKI
CRESSP CRESSP TX1	CRESP	CRESP	GO genes across α — rin ATOMA STRAMA TITHEED COM BOAL COM COM COM COM BOAL COM COM COM COM COM COM COM CO	ATOMA STEAKI TYPHIDI MORES CEM SOLUTI CEMPTIS CEMTIS CEMT	Alpha (d) Notwork Driver Preventive Slak ATOMA BTRAMA TITWIDS COM DOMA COM COM COM COM COM COM COM	TP50 CRERP FF300 TVMA0 SW003 CRER CRER ESS CRER ESS CSRE ESS ESS CSRC CRECCAL SW002 COMMA MMYS FF10	TP53 CRESO FP38 VVMA SP303 CRES FF38 VVMA SP303 FF3 FF3 FF3 FF3 FF3 FF3 FF3 FF3 FF3
Property	Property	Property	50 genes across α — rin Arosa STRAA ITTEERS NORES GEN GEN GEN GEN GEN GEN GEN G	ATGGA BYRDAL 1174104 RORRS COA BOUAZ CLOPFIR ABATT CERS4 BRIPL KURPA GOVPB VOCE ETFSA GOCOB RORNS	Alpha (d) Notwork Driver Preventive Risk ATOM. ATOM. DIRAM. ITTERDS. COA. DOA: COA. DOA: COA. ADOI: A	TP50 GREEP FF300 FYMMA SMO2 GREE SSC SSC SSC SSC SSC SSC SSC SSC SSC S	1753 GEERP FP385 VYMAG GSVAD3 GSVAD3 GRIZ REL CSW2AL3 DSVADA CROWAA RANKE FFY HRMCL
NEYA YMM6 YMM60 YMM60 SMM00 5900 5900 3900 3900 3900 3900 3900 3900 3900 3900 3900 3900 3900 3900 3900 3900 60000 60000 60000 60000	NYA	NYA	GO genes across α — rin ATOBA BTRAM TTPREDI PORUZ CON BOLAT CIGNOTES ANATZ CIGNO	ATOSA STRAZI TYPETOL PORNS CBA BOLAZ CLSOTIS AMATI CRESI SUPPR VOCE ELTSA COCSS PONSA TYSS	Alpha (d) Motwork Driver Preventive Slak ATOMA ATOMA BTSA51 TITREDS MORES COA BOLEP CINETIS AMATI CONSTS MORES MORES ESTEA CORE MORE TIPES	TP50 CREREP FF300 YMMAD SM003 OREE SMC ARS LESS CREET SMC SMC CREET SMC	TPS3 CREREP FP388 VVNAG OVAD3 CREEP REC AR CREE AR CREE AR CREE AR CREE AR CREE AR CREE AR AR CREE AR AR CREE AR AR CREE AR
CFTB CRRP CRRP CRRP CRRP CRCCATER CRCCATE	CFTB GRB	CFTB GRB	50 genes across α — rin ATGRA STRAM STRAM STRAM STRAM GAN BOALE GIODOFIE ARRI GUSTA BATE GUSTA BATE GUSTA BOTAS GUSTA GONA GONA FOR AGRICA GONA FOR AGRICA FOR AGRIC	ATGGA BYBACI 1174104 10082 CAN BOUAZ CINOFER ABATI CERSI BOUAG GWPS VOOT ETFA GROSS ROUNAG GCOSS ROUNAG GCOSS ROUNAG GCOSS GOOSS	Alpha (d) Notwork Driver Preventive Risk ATOM. ATOM. DIRAL ITTERDA COA ROAZ COBA ANATI COBA ANATI COBA ANATI COBA ANATI COBA SOUTH NOTFA COCOSS MONNA TPSA COCOSS MONNA TPSA COCOSP	TPS0 GREEP FF300 TVMM6 SM023 GREE SSC SSC SSC SSC AR CSM1 B01 CSM0241 SM022 COMM1A PMM2 FF10 RM02 FF10 RM02 FF10 RM02 FF10 FM02 FM02 FF10 FM02 FM02 FM02 FM02 FM02 FM02 FM02 FM0	1759 GEEBP FP389 VYMAG GSV89 GSV89 GEEP SSC AN ESSE REI CSSEZAI SSV802 GROGA RAPKE FYN HRBGC1 FREGA
MITT	RETT SEC SEC CCCCESS CCCCCESS CCCCCESS RETO	RETT SEC SEC CCCCESS CCCCCESS CCCCCESS RETO	50 genes across α — rin ATORA STRAAL 1778201 NORM2 GEN BOLAZ GIODEFIE ARANI GUPSA BATE HOUFAS GUPSA FORMA FORMA FORMA FORMA FORMA FORMA FORMA FORMA FORMA	ATGGA 5TEACL 1174104 10083 COA 60042 CINOPIR ABRIT CERSI 50017A GERSI COUPA GOURA COUPA COUPA COCOS ROBAL TPS COCOS ROBAL TYMA	Alpha (d) Notwork Driver Preventive Risk ATOM. ATOM. DIRAL ITTERDS. COA. DOLG COA. COC. COC.	TPS0 GREEP FF300 FYMMA SMO29 GREE SSC SSC SSC SSC SSC SSC SSC SSC SSC S	1753 GEERP FP.88 VYMAD GSV8D GSV8D GRRP REL CSW2A1 BW02 GRRD GRRD FFL GSW2A1 FFL GSW2A1 FFV HRAC1 FFW HRAC1 FFW TTL GOPP
## AN	## AN	## AN	SO genes across α — rin ATOBA BTHANA ITTHEDS NOMES COA BDIAZ CISHOFTE ANDIZ CISHO	ATGGA STRACI 17PRIGA PORRS CRA DOLAP CLRO-FIR ARRIT CRESS SITIA SUPPL SUPPL	Alpha (d) Motwork Driver Preventive Slak ATOMA BISAL ETHEDS COA BOLAZ CISHETIS ANNIS CORE MOTES MOTE	TP50 CREEPP FP300 YP4468 50400 ORRE SSC AN CSSE SSC AN CSS AN C	TPS3 CREEPP FP38 VYVAG VVAG OFFE SEC AN ESSA CREEP AN ESSA CREEP AN ESSA CREEP AN ESSA
BO BO BO BO BO BO BO BO	ESS	ESS	SO genes across α — rin ATGRA ATGRA ATGRA ATGRA ATGRA COMMINICA COMMINICA COMMINICA COMMINICA COMMINICA ADATI COMMINICA BATET BATET MODIFICA COMMINICA COMMI	ATGGA BYBAGI 1174104 10042 CAN BOULD CINOPTH ABATT CERS4 BOULD CONTYS VOOT CETSA COCSS ROOMA TYSS CERSP FORMA TYSS CERSP FORMA TYSS CERSP FORMA TYSS COCSS NOMA TYSS COCSS TYMA GRAD GRAD GRAD	Alpha (d) Notwork Driver Preventive Risk Alona Drams Trems COM ROAR COM ROFFAR COM COM ROM ROM ROM ROM ROM RO	TP 50 GCREEP FF300 VWMA6 SW023 GREE SRC AR GSS2 SRC AR GSW2 GREE SRC AR GSW2 COMMA PRACA PRACA FFW RMC2 FFW RMC2 FFW RMC2 FFW RMC2 FFW AR SW04 FFW RMC4 FFW	TPS9 GEEBEP FP JAB VYMAA GEMAD GEMAD GEMAD AN ESM1 CSM2A1 GEMAD GEMAD FRI CSM2A1 FWI HIBOC L FRECA TLL GOMBA JUN NAMES
CORP. BEL CORP. SAM3 SAM3 SAM3 SAM5	REL	REL	GO genes across α — rin ATGBA BTBAAL ITTERED COA BOLAT CISHOFTS ABATI CISHOFTS BOUNA BUTT BOUNA WORT WORT WORT FOR ATTERED	ATGGA STRACI 17P1701 ROBES CEA CEA CEA CEA CESS ABOTT CESS CE	Alpha (d) Motwork Driver Preventive Slak ATOMA BIRMA FIRMAI FIRMINI COM BOAZ CISHIE ANNII CERNA MOUTI NOMPA COMPT VOCC FORMA FORMA CERNA COMPT VOCC COMPT	TP50 CREEPP EF300 YVM46 SM003 GREZ SSC SSC AW CSM1 ES01 CSM0A1 ES01 ES01 ES02 FF81 FF81 ES04 ES04 FF81 ES04 ES04 ES04 ES04 ES04 ES04 ES04 ES04	TPS3 CREEPP FP38 VYMAB VYMAB OMAD CREE SEC AN LONG ERL CREENI CRE
MCD1	MCD1	MCD1	50 genes across α — rin ATGRA STREAM STREAM STREAM FORMER GENERA BARE CISSE STREAM BARE CISSE STREAM BARE CISSE STREAM BARE FORMER GENERA GENERA GENERA GENERA FORMER FORM	ATGGA BYEAGL 1174104 1274104 RORKS COA ROUAD CINOPTA ABATT CERS4 BRUPA BRUPA GORPE VOOT EFFA COCS6 RORMA TPS3 GORDE FF 308 YWAAA GORDE FF 308 AAAI AAAI GORDE FF 308 YWAAA GORDE GORDE AAAI AAAI	Alpha (d) Notwork Driver Preventive Risk ATOM. DIRAM ITTERDS COA COA COA COA COA ANDI COA ANDI COA COA COA COA COA COA COA CO	TPS0 GREEP FF300 FF300 FVMM6 SM023 GREE SSC SSC SSC SSC SSC SSC SSC SSC SSC S	1759 GEEBP FP389 VYMA0 G97403 G97403 G6762 REI CSW2A1 BW402 G0703A RAPKE FFW HRMC1 FREACA TULL EOFF G07044 JUN RAPKE CCRESS
MADIL	MADIL	MADIL	GO genes across α — rin ATGBA BTRAAL ITFREDS NOMES CAN BOLAZ CISOFTE ANATI ANATI ANATI BENDAS COTE ANATI BENDAS COTE ANATI BENDAS BENDAS COTE ANATI BENDAS	ATGGA BYRDA1 1794104 PORMS CBA FOLAP CLEOFFE ADATE CERSE BEITH MUMAN COVYS VACE CETOR CETOR CETOR CETOR COVERN COVYS VACE CETOR COVERN COVYS CETOR COVERN COV	Alpha (d) Motwork Driver Preventive Risk ATOMA BTRANI FIREDI AGONE COA BOAZ CISHFIE ANNII CERNA BOAZI CERNA CERNA CERNA CERNA CERNA CERNA CERNA CERNA GERGEP FERSED F	TPS0 CRERP FF300 YWM40 SW003 ORR2 SSC SSC SSC AR CSM1 BB1 CSM2AT SSC CSM2AT S	TPS3 GRESSP GRESSP FP388 VYMAB OPAD3 GRESS SEC ARI GRESS ARI GRESS ARI GRESS ARI GRESS ARI GRESS TRE
LASP2 CROSTA CRUITA VYMEZ VYMEZ	LAPP CROSSA CROSSA CROSSA CROSS CR	LAPP CROSSA CROSSA CROSSA CROSS CR	50 genes across α — rin ATGAA 5193AL 1176E51 PORUZ CAN SEALATS CANSASS CANS	ATOM	Alpha (d) Notwork Driver Preventive Slak ATOMA ATOMA BTRANI TITMIDS KONNES COM COM COM COM COM COM COM CO	TP50 CREREP FF300 TYMM0 SN002 GREE FF300 TYMM0 SN002 GREE FF3 FF3 FF3 CSMCA1 SM002 COMMAN SN002 COMMAN SN002 FF3 FF3 FF3 FF3 FF3 FF3 FF3 FF3 FF3 FF	TP53 CRESP FP38 VVMA SP385 VVMA SP385 FR1 CRESP RR1 CRESP CRESP RR1 RR1 CRESP RR1 CRESP RR1 RR1 CRESP RR1 RR1 CRESP RR1 RR1 RR1 CRESP RR1 RR1 RR1 RR1 RR1 RR1 RR1 RR1 RR1 RR
MAPEL MAPEL MAPEL CAPS	MAPEL MAPE	MAPEL MAPE	ATOMA ATOMA BTMAAL TITREDS TOMORE COM BDLAZ CISOFIE AMATI AM	ATGGA BTRACI 17PRIDA PORMA CBA CBA CBA CCBA CCBA ADATI CCBSA WORD COVER VOCE CITYS CORRES CORR	Alpha (d) Notwork Driver Preventive Risk ATOMA BISAL FINEDS COA BOAZ CISHTIS ANNII CERMA BOITI BOITI BOITI BOITI BOITI BOITI CERMA COCA CERMA COCA BOAZ CISHTIS ANNII CERMA BOITI BOITI BOITI BOITI CERMA COCA CERMA COCA CERMA COCA BOAZ COMMA BOAZ COMMA BOAZ COMMA BOAZ COMMA BOAZ	TPS0 CRERP FP300 YWM46 SW003 ORRE SW003 ORRE SSC AR CSM1 BS0 CSM2 CSM2 CSM2 CSM2 CSM2 CSM2 CSM2 CSM2	TPS3 GRESSP GP 388 TYMAB OPAD3 GRESSP STRC ARI CONTA ARI
CAPPA PYK PYK UREZ UREZ	CAPIS	CAPIS	ATOMA ATOMA ATOMA TITMEDS BYMAL TITMEDS COM BOALA COMPATA COM	ATOM	Alpha (d) Notwork Driver Preventive Sisk ATOMA BINAL STRANG STR	TP50 CREREP FF300 FF300 FF300 FS000 SS000 SS000 GREE GREE GREE GREE GREE GREE GREE G	TP53 CRESP FP38 VVMA SP363 VVMA SP363 FR1 CRESP FR1 CRESPA GROUP FR1 CRESPA GROUP FR1 FR1 GROUP FR1 FR1 GROUP FR1 FR1 GROUP FR1 FR1 FR1 GROUP FR1
CFLAB 180-CL BOXCL VIR V/IR TFF1 FRECA FRECA 891 971 BBB5 TK1 TK1 A703 A701 A701 FNLORIZ 569 F 1674 SML 5803 5803 FLORIZ 580,04 500,04	CFLAB 180-CE 18	CFLAB 180-CE 18	60 genes across α — rin ATOMA STRAM STRAM TITMED CON BOART CLOWNING BOART CON BOART BOART CON BOART CON BOART BOART CON BOART BOART BOART CON BOART BOART BOART CON BOART BOART BOART CON BOART B	ATGGA STEACI TYPETOL NORMS CEA TOLES CLEAFTER AMATI AMATI CONTRA CON	Alpha (#) Motwork Driver Preventive Slak ATOMA	TP60 CRERPY FF300 YNMAD SW003 ORRE REC CRES REC	TP50 GREEP FP30 GREEP FP30 VVMA0 GREEP SP30 GREE GREE GREE GREE GREE GREE GREE GRE
TFF1	### PRECA PRECA PRECA S91 S91 S91 #### PRECA PRECA PRECA PRECA ATTRIX A	### PRECA PRECA PRECA S91 S91 S91 #### PRECA PRECA PRECA PRECA ATTRIX A	50 genes across α — rin ATGBA BTMAAL TTTREDA NOMES CDA BMAA2 CISSOFTER AMATI CURSA BMEPI BUDVAA SMEPI SOME FOR ACROSS FOR A	ATGGA STRAAL ITPRIBL PORKS CBA CDA CDA CLOFFIR ABATI CERSI SUPP SUPP VOOR ETFS CROES MORAL TPS CROES MORAL MO	Alpha (d) Notwork Driver Preventive Risk ATOMA BISSAL ITTREDI MONUS COA BOAZE CISHTIS ADDIT CERRA BRIFT BRIFT BRIFT BRIFT BRIFT COCKS WOOD ETFAA COCKS WOOD TISSAL GREE BRIFT BRIF	TP50 CRERP FP300 YMM60 SM002 CREE BRC AR CSM1 BRC AR CSM2 BRC CMMCA1 BM01 CMMCA1 BM02 CREE BRC TMMCA1 BM02 BM03 BM03 BM03 BM03 BM03 BM03 BM03 BM03	TPS9 GREBD FP388 YVMA6 GWA9 GWA9 GRE2 SEC AN ESS1 CSNETA1 SWA92 CROWAA FYN MAPE FREA TENT FREA GRES GRES GRES AN ESS1 GRES AN ESS1 GRES GRES GRES GRES FOR GRES FOR GRES G
PALSEP EAR SAN SAN SAN	PAULY SOFE	PAULY SOFE	ATOMA ATOMA ATOMA TITMEDD TITMEDD TOMATOM BOARX CIDNOTES COM BOARX CIDNOTES COM BOARX CIDNOTES COM BOARX CIDNOTES COM BOARX CIDNOTES CIDNO	ATOSA STEAKI TYPETOL TORNO	Alpha (d) Motwork Driver Preventive Slak ATOMA ATOMA BYSAL ETHERDI MORRE COM MORRE GENERA GE	TP60 CRERPP FF300 TYMM0 SM003 GREE REC REC REC REC REC REC REC REC REC	TPS3 CREREP FP38 VYMA6 OFA33 OFA33 OFA33 OFA34 O
FLXBIL SMAD4 SMAD4 SMAD4 USQ 144 SPQ 144 CO38 JBN JBN SAPPG MAYES FARP4 AAF45 MAPR6 TOFREI TURREI CAKRIL CC069B CCCC069B FRACA PRACA CC27 GGGB GGC0B CSMEB CGMEB MACAI PTAREI PTAREI CSCCCO CSMEB CGMEB CALER SMAD1 SMAD1 SSTREI SSTREI SSTREI DV2 SSC2 SSC2 YMAB	PLOSE SANAL SANAL SANAL DEQ. (14	PLOSE SANAL SANAL SANAL DEQ. (14	50 genes across α — rin ATOBA BTMAAL TTORED MONES COA BRIA2 CIDON'THE ANATI CLERA BETTI BUDFAA OPPER VMEE ETTNA CCCCS FORM FORM CPA CPA CPA CPA CPA CPA CPA CP	ATGGA	Alpha (d) Notwork Driver Preventive Risk ATOMA BTRANA TITRIDI KORNA GOA GOA GOAA2 CISHETIS ANDII CIRRA BRIFI BRIFI BRIFIA COCKS KORNA TISA COCKS TISA TISA COCKS TISA COCKS TISA COCKS TISA COCKS TISA	TP50 CRERP FP300 YMM60 SM000 CREE BRC AR CSM1 BRS CSM2 CSM2 CSM2 CSM2 CODGLA MAVX FPW RM603 PP30A TYC CSM604 SM002 CODGLA MAVX FPW RM603 FP30A TYC CSM604 SM002 CSM604 FPW RM603 FPSCA TYC CSM604 SM001 SM00	TPS9 GEERP FP388 VYMA6 GM09 GM02 SMC AN E082 SMC AN E081 CONSTA1 SMAPE FP38A FP38A FP38A GM09 ANA FP44 FP44 FP45A GM09 ANA FP45A FP4
CO38	COSB JUN JUN FORMS FARMS F	COSB JUN JUN FORMS FARMS F	ATOMA ATO	ATOSA STENAT STENAT TYPETOL PROBAT CEA FOLAT CANATI CA	Alpha (#) Motwork Driver Preventive Slak ATOMA ATOMA B1334 ETHERDI MORRA COM BOLAP CINETIA AMANII CLONES MORRA MORRA EFFER WORE EFFER COGES MORRA COGES MORRA COGES MORRA TYPA CREEPP FRESO YMENG GREEP FRESO MORRA AR AR AR AR AR AR AR AR AR	TPS9 CREREP FF300 YPANAD BM003 GREE SMC ARE ARE CREET AR	TPS3 CREREP FPARE VYANA OFAD3 CREE ERC AM LONG ERC AM LONG CREE ERC ERC ERC ERC ERC ERC ERC ERC ER
FADPA AMPAS MAPMS TOPRII TURRII CANKIL COCC068 COCC069 PRINCA PRINCA PRINCA PRINCA CONVOB	PEPA	PEPA	50 genes across α — rin ATOBA BTRACA ITTERED FORME GAA CIDOPTE ABATI CUSHA BITTI BUFFA GOTHA G	ATGGA BTRACI 179103 PORRS CEA FOLAP CLAP CLAP CLAP ARATI CLESSI REPI SQUIPAB OUPPE VADE CLTSA CRESS ROUGH TPS CRESS ROUGH CRESS	Alpha (d) Alpha (d) ATOMA ATOMA BIRNA BIRNA COA COA COA COA ADDIT CCRS4 ADDIT CCRS4 BOUTH MOPPA COCKS MONNA COCKS MONNA COCKS MONNA COCKS MONNA COCKS MONNA TYSA CREEP FORMA CREEP FOR	TP50 CREREP FP300 YWMAD SM003 CREE BRC AR CSM1 BRS CSM2 BRS CSM2 BRS CSM2 CONCIA BM002 CONCIA BM002 CONCIA BM003 FP30A FP30A FP30A FP30A FP30A FREE BRS CSM2 FREE BRS FREE BR	TPS0 GEERP GEPRO GERPO GEPRO GEPRO GEPRO GERPO G
CAMEXI	CANKES CEREBRE CENTERS CENTERS FRANCA FRANCA FRANCA CENTERS CE	CANKES CEREBRE CENTERS CENTERS FRANCA FRANCA FRANCA CENTERS CE	50 genes across α — rin ATOMA BTHAM TITMEDD DOMA COM BOLAY CISMITES AMATI AMATI AMATI CISMITES AMATI AMAT	ATOSA STENAT 17PRIDL PRENS CRA DOLAT CLENTIN AMPIT CLESS WATE VOOE ELIFA CORRE PRENS CRA CRA CRA CRA CRA CRA CRA CR	Alpha (d) Alpha (d) ATOMA ATOMA BTSA51 ETHEDS MORES COA BOLAZ CISHTIS MORTAS MORTAS	TP50 CRERPY EF300 YP4040 D84003 ORRE B800 AW EF300 AW EF3	TPS3 CREEPD EP38 VYANA SAVAD3 CREEP TP38 VYANA SAVAD3 CREE SEC AR CREE TRAIL CREEPT CREET TRAIL CREEPT TRAIL CREET TRAIL CREET TRAIL
CK27 09138 090400 CXMX8 CXMX9 M.O4AL PTCRIP PTCRIP CTCRIP CCCRIP	CREAT CREAT CREAT CREAT CREAT CREAT CREAT	CREAT CREAT CREAT CREAT CREAT CREAT CREAT	ATOMA	ATGGA BYEAGL 1794104 PORRS CEA COA COA COA CASSA ARATI CERSA REPT SQUIPAG COCES WORD CITSA COCES WORD CITSA COCES WORD COCES REPT COCES ROUNA COCES ROUNA COCES ROUNA COCES FANDA COCES RES COCES COCES RES COCES RES COCES RES COCES COCES RES COCES COCES RES COCES COCES COCES RES COCES COCES COCES COCES RES COCES C	Alpha (d) Alpha (d) ATOMA ATOMA BIRNA BIRNA COA COA COA COA ADDIT CCRS4 ADDIT CCRS4 BOFFE BOFFE BOFFE COCKS WHORE COCKS CO	TP53 CREREP # P300 TP400 TP400 30403 30403 50403 506 ESR	TPS3 CREEPP FP38 FP38 FP38 FP38 FP38 FP38 FP38 FP
\$4.044 PICRE FICRE Coordina Coordina CALOR \$80.01 \$84.01 \$870.01 \$870.01 \$870.01 \$870.01 \$90.00<	M.O.M. PILOR PILOR PILOR Clor#50 Clor#50 Clor#50	M.O.M. PILOR PILOR PILOR Clor#50 Clor#50 Clor#50	50 genes across α — rin	ATOMA STEACI STEACI STEACI TOWN MORE CON CON MORIT MO	Alpha (d) Alpha (d) ATOMA ATOMA BISAL ETHEDS COA BOAZ CISHTIS ANNIS ENTIT NOFE ETHA COCSS MORE MORE MORE COCSS MORE MOR	TP50 CRERPY EF300 YPMAD DAVOD ORRE SAC AR CSMI CREST AR	TPS3 GREEPP FPARS VYANA SAVAD 3 GREEP AR 1 GREEP AR 1 GREEP 3 AR 1 GREEP 3 GREEP 3 AR 1 GREEP 3
CALCO 58A.0) 58A.0) 58TOL 5FTOL 5FTOL 5FTOL 7WARD 7WAR	CALCR SNA01 SNA01 STR01	CALCR SNA01 SNA01 STR01	ATOMA	ATOMA BYEAG BYEAG TYPHID TOMA GON GON GON GON GON GON GON GO	Alpha (#) Notwork Driver Preventive Sisk ATOMA	TP50 CREREP FF300 FF300 FF300 FF300 S9002 GREE GREE GREE GREE GREE GREE GREE GRE	TP53 CHERD FP38 CHERD FP38 CHERD FP38 CHERD FP38 CHERD CHERD FRE CESSEAL SP302 CHERD FRE CESSEAL SP302 CHERD FRE FRE CESSEAL SP302 CHERD FRE FRE CESSEAL SP302 CHERD FRE CESSEAL SP302 FFE FFE FFE FFE FFE FFE FFE FFE FFE FF
DVL2 SHC1 SHC1 YWHAB YWHAB	0YL2 SHG1 YMM8 YMM8 0F9 1 1902 2 TMAP2 GALF1 CALF1 869F2 YMM2 YMM2 GRC2 CCC2 KMAL1 LAPP3 CARF2 TFP TFP FGM23 WBEZ1 WBZ21 BRC3 BRC4 FGM3 YM VY RG4 ERAL FGM3 SF1 SF2 C1MB1 C1MB1 FMM1 AYM3 AYM3 AYM3	0YL2 SHG1 YMM8 YMM8 0F9 1 1902 2 TMAP2 GALF1 CALF1 869F2 YMM2 YMM2 GRC2 CCC2 KMAL1 LAPP3 CARF2 TFP TFP FGM23 WBEZ1 WBZ21 BRC3 BRC4 FGM3 YM VY RG4 ERAL FGM3 SF1 SF2 C1MB1 C1MB1 FMM1 AYM3 AYM3 AYM3	50 genes across α — rin ATOBA BTHANA TITMEDS PORCE COA BOLAZ CISHOFIS ANATI CISHO CISHOFIS ANATI CISHO CISHOFIS ANATI CISHO COS BENAS COS	ATGGA STEACI 179701 179702 ROSS3 CEA FOLAT CEASA CENTS ABDIT CESS4 ROSSA R	Alpha (d) Alpha (d) Alpha (d) Alpha (d) Alpha (d) Alpha (d) Blask Firstin Alpha (d) Blask COA BOAZ CISHTIS ANNII CISHT BOHTA BOHTA COSS GONE GO	TP50 CREEPP EF300 TP4000 TP4000 ORRE SSC SSC SSC SSC SSC SSC SSC SSC SSC SS	TPS3 GREEPP FP 38 8 VYANA 5 SAVAD 2 GREEP SEC AA LENA 1 CONNEAL 1 CONNEAL 1 CONNEAL 1 FF M HORGE 1 FF M HORGE 1 FF M GREEP 1 GREEP 1 GREEP 1 FF M GREEP 1 GREEP
1964 1965 1966	1941 1962 1962 CAPS CAPS CAPS \$4962 YWAZ YWBZ GRC2 GRC2 \$60411 CAPS CASPS TEP TEP \$70423 UBLES UBLES UBLES \$6064 YPR YPR RELA BECAS \$6064 SPS GREEP SPS GREES \$704 SPS GREES GREES \$704 SPS GREES GREES \$705 GREEP SPS GREES \$705 GREEP GREES GREEP GREES \$705 GREEP GREEP GREEP GREEP GREEP \$705 GREEP GREEP GREEP GREEP GREEP GREEP \$705 GREEP GREEP GREEP GREEP GREEP GREEP \$705 GREEP GREEP GREEP GREEP GREEP GREEP GREEP \$705 GREEP GREEP GREEP GREEP GREEP GREEP GREEP GREEP \$705 GREEP GREEP	1941 1962 1962 CAPS CAPS CAPS \$4962 YWAZ YWBZ GRC2 GRC2 \$60411 CAPS CASPS TEP TEP \$70423 UBLES UBLES UBLES \$6064 YPR YPR RELA BECAS \$6064 SPS GREEP \$91 \$92 GRBS GRBS \$609 \$91 GRBS GRBS \$609 \$609 GRBS GRBS \$609 GRBS GRBS GRBS \$609 GRBS GRBS GRBS \$600 GRBS GRBS GRBS \$600 GRBS GRBS GRBS \$600 GRBS GRBS \$600 GRBS GRBS GRBS GRBS GRBS \$600 GRBS GRBS GRBS GRBS GRBS GRBS \$600 GRBS GRBS GRBS GRBS GRBS GRBS \$600 GRBS GRBS GRBS GRBS GRBS GRBS GRBS \$600 GRBS GRBS GRBS GRBS GRBS GRBS GRBS GRBS GRBS \$600 GRBS GRS GRBS GRS GRS	30 genes across α — rin ATGAL ATGAL TYPEED TYPEED PORUZ CON BOLAT B	ATOMA STEAKI TYPETOL TOPETOL TOPETOL CONFIRM GOLDE GOLDE GOLDE GOLDE GOLDE GOLDE GOLDE GOLDE TYPE T	Alpha (#) Notwork Driver Preventive Sisk ATOMA BTRASS TITRIDS MONIS COM FOLKE COM MONIS M	TP60 CREEP FF300 VANAD SW003 CREE SW003 CREE SW03 CREE SW03 CREE SW3 SW3 SW3 CREE SW3 SW02 CREET SW003 SW02 CREET SW004 SW04 SW04 SW04 SW04 SW04 SW04 SW0	TP59 CRESOP FP38 VVVMA SP385 VVVMA SP385 FR1 CRESCA FR1 CRESCA FR1
	SUPPE YMMAZ YMMAZ CDC2 CDC2	SUPPE YMMAZ YMMAZ CDC2 CDC2	50 genes across α — rin ATOMA BTHANA ITTHED1 NOME3 COA BOLAZ CISHOFTS ANNII CUSHA BUDIAM SUPPL	ATGGA STEACI 179701 179702 ROBES CEA FOLIA CEBS ABDIT CEBS BULLE BULLE BULLE CESS ROBES FOLIA CESS ROBES ROBES ROBES FOLIA CESS ROBES ROBES FOLIA CESS ROBES FOLIA CESS ROBES FOLIA FOLIA CESS ROBES FOLIA FO	Alpha (d) Alpha (d) ATOMA ATOMA BISAS FIRSTS COA BOAZ CISHTIS ANNII CISHT BOAZA CISHTIS BOAZA COASS BOAZA COASS BOAZA COASS BOAZA BOAZA BOAZA COASSA BOAZA BOAZA COASSA BOAZA COASS	TP50 CREEPP EF300 TP300 TP300 TP300 ORRE SSC SSC SSC SSC SSC SSC SSC SSC SSC SS	TPS3 CREEPP RP38 VYVAD VYVAD OFFICE SEC AN LENA LENA LENA LENA LENA LENA LENA L
SKAP2 YMMAZ YMMAZ CBC2 CDC2	NOCALL	NOCALL	30 genes across α — rin ATGAL ATGAL TYPEED TYPEED PORUZ COM BOLAT COMPTER	ATOSA STEACI TYPETOL TOPETOL TOPETOL TOPETOL COLOTINE COLOT	Alpha (#) Motwork Driver Preventive Sisk ATOMA BTSAS1 TTSESS COM COM COM COM COM COM COM C	TP50 CRERPY FF300 VANAD SW003 CREE RS	TP59 CRESOP FP386 VVMA0 SP385 VVMA0 SP385 REL CRESTAL SP382 CRESTAL SP38
HOXALL CASP3 CASP3 TBP TEP	FORE2 08622 08622 08622 88623 88624 FORE2 FORE2 86623 88624 FORE2	FORE2 08622 08622 08622 88623 88624 FORE2 FORE2 86623 88624 FORE2	ATOMA TOPE ATOMA TOPE ATOMA TOPE ATOMA TOPE ATOMA TOPE ATOMA	ATGGA STRACI 1797804 ROBAS CBA FOLAZ CLRO-F18 ABATI CERSI BUJAS CRIS ABATI CERSI SULVA CONTR	Alpha (d) Alpha (d) Alpha (d) Alpha (d) Alpha (d) Alpha (d) Blask FIRST COA BOAZ CISHFIS ANNII CORMA BOAZ CISHFIS ANNII CORMA BOAZ CISHFIS ANNII CORMA BOAZ CISHFIS ANNII CORMA BOAZ CISHFIS BOAZ CISHFIS BOAZ CISHFIS BOAZ CISHFIS BOAZ CISHFIS BOAZ CISHFIS CORMA TYPS CORMA BOAZ	TPS0 CREEPP EF300 YPANAD SAVOD ORRE SAVOD ORRE SAV CSMC AR CSMC AR CSMC AR CSMC AR CSMC AR AR CSMC AR AR CSMC AR	TPS3 GREEPP GREE
	PEGNS VIM VIM VIM RELA FELA CREBEP SP1 SP2 CTM81 CTM81 CRM ATRIA ATRIA ATRIA ATRIA	PEGNS VIM VIM VIM RELA FELA CREBEP SP1 SP2 CTM81 CTM81 CRM ATRIA ATRIA ATRIA ATRIA	30 genes across α — rin ATGAL ATGAL TITMED TOWNER COM BOLAT CINNETES ANALY CON BOLAT CINNETES ANALY CON BOLAT	ATGGA STEAKI TYPETOL TYPETOL TOTAL TOTA	Alpha (#) Motwork Driver Preventive Sisk ATOMA BTSSA1 ETTREDS MONES COM FOLKE COM ANATI BESTS MONES ETTRE MONES MONES MONES ETTRE MONES MO	TP60 CREREP FF300 TVANAD SW003 GREE RES RES RES RES RES RES RES RES RES	TP59 CREEPO FP385 VYVANA SPANA
	CEREAD SP1 SP2 CTWART	CEREAD SP1 SP2 CTWART	ATOMA ATO	ATGGA BTRACI 1797804 PORMS CBA CBA CBA CCBA CCBA ADATI CCBSSS SET STATE MOUWAN COPYS VOCC CTS STATE CCBCSS CCBCSS CCBCSS CCBCSS CCBCSS CCBCSS CCBCSS CCBCSS CCBCSS CCCCCSS CCCCCCCC	Alpha (d) Alpha (d) Alpha (d) Alpha (d) Alpha (d) Alpha (d) Blask Alpha (d) Blask FIREDI AGMED COA BOAZ CISHFIE AGMIT GERNA BOATI CERNA BOATI CERNA BOATI CERNA CE	TPS0 CREEPP EF300 YPM40 SM003 ORRE SSC SSC SSC SSC SSC SSC SSC SSC SSC SS	TPS3 GREEPP GREEPP GREEPP FP 388 VYMAB GREEP GREEPP SEC AN GREEP GREEPP GR
CREBEP SP1 SP1 CTMMB1 CTMMB1	PORT ATTRI ATTRI	PORT ATTRI ATTRI	60 genes across α — rin ATOMA ATOMA TITMED TOMORI TOMORI COM BOAR BOAR COM BOAR BOAR COM BOAR BOAR BOAR BOAR BOAR BOAR BOAR BOAR	ATOSA 8780A1 179810A1 179810A1 179810A1 170810A1 1	Alpha (#) Motwork Driver Preventive Slak ATOMA BTSA41 ETTREDA COM FOLKE COM FOLKE COM COMPTIS COM COMPTIS COM COM COM COM COM COM COM CO	TP60 CREREP FF300 TYMMAD SM003 GREE REC REC REC REC REC REC REC REC REC	TP53 GEERP FP38 VYVNA GEERP VYVNA GEERP VYVNA GEERP VYVNA GEERP RE
PORT ATENT ATENT			ATOMA ATO	ATGGA BYEAGL 1794104 PROMS CEA FOLLY CLEOFIE ADATE CESSE BUILT SUMMA COPYS VACE CITYS COPYS	Alpha (d) Alpha (d) Alpha (d) Alpha (d) Alpha (d) Alpha (d) Blask Alpha (d) Blask Alpha (d) Alpha (d	TPS0 CRERPP FP300 YP4040 S9400 ORRE S9400 ORRE S861 CREAT S861 CREAT S961 CREAT S9601 S960	TPS3 GRESSP GRESSP FP388 VY9886 GP388 GP388 GP388 GRESSP SRC ARI GRESSP SRC ARI GRESSP SRC ARI GRESSP GRESS
	, S	, , , , , , , , , , , , , , , , , , ,	ATOMA THERE ATOMA THERE ATOMA THERE ATOMA THERE ATOMA THERE ATOMA ATO	ATOM STEAK STEAK TIPHID ROBE CEN SOLAT GEN SOLAT	Alpha (#) Notwork Driver Preventive \$158 ATOMA	TP50 CREREP FF300 TP4000 TP4000 SR0003 GREE GREE FF300 FF31 FF31 FF31 FF31 FF32 FF32 FF33 FF33	TPS3 CREEPD FP38 CREEPD FP38 VVVNA0 GP20 SRC AWA GP20 SRC AWA CREE CREET AWA
		γ Alpha ($lpha$)	## ATOMA ##	ATOM STEAK STEAK TIPHID ROBE CEN SOLAT GEN SOLAT	Alpha (#) Notwork Driver Preventive \$158 ATOMA	TP50 CREREP FF300 TP4000 TP4000 SR0003 GR22 GR22 GR23 GR32 GR32 GR32 GR32 GR3	TPS3 CREEPP RP38 FP38 FP38 FP38 FP38 FP38 FP38 FP38 F

Top-50 genes across α — yeojohnson

op-50 genes across α — yeog	ATOSA	TPS3	TP53	TP53
BTN3A1	BTN3A1	BTN3A1	CREBBP	CREBBP
ITERIO1	ITPRID1	IYPRID1	EP300	EP300
MORNS	NORN3	MORNS	YWHAG	YWAS
CDA	CDA	CDA	SMADS	SMAD3
BOLA2	B0LA2	BOLA2	GRB2	GRB2
C19arf18	C19orf18	C19orf18	SRG	SRC
ADATI	ADATI	ADATI	AR	AR
CERS4	CERS4	CERS4	ESR1	ESR1
BNIP1	6NIP1	BNIPI	RB1	R61
NDUFAS	NDUFAG	NDUFA6	CSHK2A1	CSNK2A1
GRPPB	GNPPS	SMPPB	SMAD2	SMAD2
			CDKNIA	CDKN1A
VWDE	VWDE	VVIDE		
EIFSA	EIFSA	EIFSA	MAPK1	NAPK1
C9C26	CBC26	CDC26	FYN	FYN
MORM4	NGRX4	MORN4	HDAC1	HBAG1
TSPAN6	TP53	CREBBP	PRICA	PRKCA
FGR	CREBBP	EP300	TK1	TKL
CFH	EP300	YWHAG	EGFR	EGFR
NFYA	YWEAG	SMADG	SMAD4	SNAD4
SENASF	SMADG	GRB2	308	JUN
CFTR	GRB2	SRC	MAPK6	NAPKS
KRIT1	SRC	AR	CCDC858	CC0C85B
RAD52	AR	ESR1	6SK3B	GSK3B
BAD	ESR1	R81	PIK3R1	PIK3R1
CD99	RB1	CSNK2A1	SMAD1	SNAD1
HECM1	CSNK2A1	SMADZ	SHC1	SHC1
MAD1L1	SMAD2	COKNIA	TRAF2	TRAFZ
LASP1	CDKN1A	MAPK1	YWHAZ	YWRAZ
MGPR	NAPK1	FYN	CASP3	CASP3
CASP18	FYN	HDAC1	UBEZI	UBEZI
CFLAR	HDAC1	PRICA	VIH	AIW
TFPI	PRKCA	TK1	SP1	SP1
RBNS	TK1	EGFR	ATXN1	ATXNL
POLDIPZ	EGFR	SMAD4	SNR1	SMN1
PLXND1	SMAD4	JUN	UBQLN4	UBQLN4
CD38	JUN	MAPKS	MAPK3	NAPK3
FKBP4	NAPKS	CCDCSSB	TOPER1	TGFBR1
CANKK1	CCBC85B	69K3B	PRKACA	PRKACA
CDC27	GSK38	PIK3R1	CSNK2B	CSNK2B
SLC4A1	PIK3R1	SMAD:1	C1orf183	Clorf103
CALCR	SNAD1	SHC1.	SETTR1	SETOB1
DVL2	SHC1	TRAF2	YWHAB	YWKAB
UPF1	TRAF2	YWHAZ	CALM1	GALM1
SKAP2	YWKAZ	CASP3	CBC2	CDC2
HDXA11	CASP3	UBE21	тар	TEP
POLRZJ	UBEZI	VIN	BRCAL	URGAL
MEOX1	VIM	SP1	RELA	RELA
CREBBP	SP1	ATXR1	CTNNB1	CTNNB1
	ATXNL	SMN1	LCK	LCK
PON1				
•	.60	.0	.60	.0.
P. Op	0.76	~* ⁶	6.2 ⁶	9.00°

Network Driver Preventive Risk

Different Normalization Techniques for the TOP 100 Genes:

