

## Supplemental Table 1

### Potential ATF5-responsive genes identified by a search for genes whose promoter contains ATF5CON

Gene	Accession	Location
Pex7	NM_001034147	chr1:15163734-15165734
Exoc3	NM_001024964	chr1:29895535-29897535
V1re26	NM_001008903	chr1:57121857-57123857
V1rf4	NM_001009522	chr1:58679804-58681804
Olr1_predicte	NM_001000538	chr1:64219105-64221105
Zfp110	NM_001024775	chr1:72733177-72735177
Yif1b	NM_198734	chr1:84371709-84373709
Yif1b	NM_001014810	chr1:84371884-84373884
Rpl13a	NM_173340	chr1:95603504-95605504
Cd37	NM_017124	chr1:95715116-95717116
Gucy2d	NM_130737	chr1:155711464-155713464
Neu3	NM_054010	chr1:157183064-157185064
Olr43_predict	NM_001000541	chr1:160206358-160208358
Olr125_predic	NM_001000740	chr1:161507495-161509495
Olr178_predic	NM_001000179	chr1:162679197-162681197
Olr189_predic	NM_001000184	chr1:162841035-162843035
Igsf6	NM_133542	chr1:179922158-179924158
Cdipt	NM_138899	chr1:186151277-186153277
Tial1	NM_001013193	chr1:187706035-187708035
GalNAc4S6S`	NM_173310	chr1:191737958-191739958
Olr288_predic	NM_001000231	chr1:200029923-200031923
Olr289_predic	NM_001000767	chr1:200217945-200219945
Tspan4	NM_001013070	chr1:201659390-201661390
Shank2	NM_201350	chr1:204397855-204399855
Shank2	NM_133441	chr1:204584362-204586362
MGC125034	NM_001033901	chr1:211627024-211629024
Anxa1	NM_012904	chr1:223494455-223496455
Cdc37l1	NM_001011941	chr1:232622608-232624608
Ch25h	NM_001025415	chr1:238458335-238460335
Pi4k2a	NM_053735	chr1:248760679-248762679
Btrc	NM_001007148	chr1:250527173-250529173
Ins1	NM_019129	chr1:257999133-258001133

Skp1a	NM_001007608	chr10:37663416-37665416
Olr1457_pred	NM_001000526	chr10:45036068-45038068
Atp1b2	NM_012507	chr10:56424465-56426465
Eif4a1	NM_199372	chr10:56489739-56491739
LOC497940	NM_001017476	chr10:56744790-56746790
LOC501706	NM_001047972	chr10:57925345-57927345
Ccl2	NM_031530	chr10:70254262-70256262
LOC363658	NM_001014228	chr10:70983711-70985711
RGD1306819	NM_001013860	chr10:74962413-74964413
Pdk2	NM_030872	chr10:83724973-83726973
Ppp1r1b	NM_138521	chr10:87119888-87121888
Ka26	NM_001008818	chr10:89025644-89027644
Ramp2	NM_031646	chr10:90273462-90275462
Dnai2	NM_001007726	chr10:104604687-104606687
Nploc4	NM_080577	chr10:109847709-109849709
MGC95208	NM_001005552	chr11:2104839-2106839
Hspa8	NM_024351	chr11:5432456-5434456
Grik1	NM_017241	chr11:28106450-28108450
Olr1538_pred	NM_001000530	chr11:41966261-41968261
Olr1561_pred	NM_001000048	chr11:42450669-42452669
Gsk3b	NM_032080	chr11:64428698-64430698
Rpl35a	NM_021264	chr11:69552236-69554236
Camk2n2	NM_021678	chr11:82517330-82519330
Aprin_predictr	NM_001101805	chr12:4128352-4130352
Aprin_predictr	NM_001102383	chr12:4128352-4130352
Kiaa0415	NM_001037220	chr12:12505621-12507621
MGC116363	NM_001025760	chr12:17528382-17530382
Por	NM_031576	chr12:22154339-22156339
Eif2b1	NM_172029	chr12:33136322-33138322
LOC360807	NM_001014128	chr12:33975382-33977382
RGD1305685	NM_001047900	chr12:36286678-36288678
Rnf10	NM_001011904	chr12:42607878-42609878
Cabp1	NM_001033675	chr12:42702846-42704846
Cabp1	NM_133529	chr12:42702846-42704846
Git2	NM_001005553	chr12:43115705-43117705
Stx6	NM_031665	chr13:70119863-70121863
Fmo4	NM_144562	chr13:78493198-78495198

Fmo4	NM_144561	chr13:78494458-78496458
Prrx1	NM_153821	chr13:79028881-79030881
Rgs7	NM_019343	chr13:91211520-91213520
Lrrc8c	NM_001037179	chr14:5393820-5395820
Art3	NM_001012034	chr14:17280642-17282642
Cdkl2	NM_001012035	chr14:17596861-17598861
VCS-beta1	NM_001017497	chr14:21578852-21580852
Bst1	NM_030848	chr14:72414498-72416498
Rab28	NM_053978	chr14:74399540-74401540
Tacc3	NM_001004424	chr14:82760864-82762864
RGD1307937	NM_001013877	chr14:110559608-110561608
Rtn4	NM_031831	chr14:110723088-110725088
Olr1630_pred	NM_001000092	chr15:26560906-26562906
Slc7a7	NM_031341	chr15:32471526-32473526
Gzmb	NM_138517	chr15:35198466-35200466
Mipep	NM_031052	chr15:39869328-39871328
Ghitm	NM_001005908	chr16:13338420-13340420
Rab8a	NM_053998	chr16:18089591-18091591
RGD1306802	NM_001024772	chr16:24564544-24566544
RGD1307325	NM_001014001	chr16:49404995-49406995
Ap3m2	NM_133305	chr16:73685442-73687442
Irx2	NM_001039505	chr17:748950-750950
RGD1304696	NM_001024998	chr17:14950842-14952842
LOC361237	NM_001014145	chr17:35517646-35519646
Dnmt2	NM_001031643	chr17:87824484-87826484
Usp14	NM_001008301	chr18:1330478-1332478
Gypc	NM_001013233	chr18:25006999-25008999
Camk4	NM_012727	chr18:25404409-25406409
Egr1	NM_012551	chr18:27341918-27343918
Pcdhga8	NM_001037156	chr18:30633032-30635032
Commd10	NM_001004276	chr18:41224868-41226868
Dcc	NM_012841	chr18:69140741-69142741
Smad4	NM_019275	chr18:70461541-70463541
MAST1	NM_181089	chr19:24870708-24872708
Pkn1	NM_017175	chr19:26130552-26132552
Rnf166	NM_001002279	chr19:52765658-52767658
Hmgcs1	NM_017268	chr2:51735089-51737089

Osmr	NM_001005384	chr2:56121463-56123463
Ghsr	NM_032075	chr2:113267622-113269622
Gpr160	NM_001025147	chr2:116961732-116963732
Mynn	NM_001012178	chr2:117215148-117217148
Selt	NM_001014253	chr2:147911244-147913244
Ntrk1	NM_021589	chr2:179855545-179857545
Cct3	NM_199091	chr2:180379043-180381043
LOC310665	NM_001025118	chr2:190196814-190198814
Vtcn1	NM_001024244	chr2:195872347-195874347
Rtcd1	NM_001004227	chr2:212754018-212756018
RGD1312003	NM_001014176	chr2:217873423-217875423
Camk2d	NM_012519	chr2:223838649-223840649
Trim10	NM_001009176	chr20:1790921-1792921
C4-2	NM_001002805	chr20:4104164-4106164
C4a	NM_031504	chr20:4104164-4106164
C4-2	NM_001002805	chr20:4298723-4300723
Btnl8	NM_212489	chr20:4401711-4403711
Btnl7	NM_212488	chr20:4435292-4437292
Daxx	NM_080891	chr20:5126648-5128648
Rnf8	NM_001025727	chr20:7927801-7929801
Glo1	NM_207594	chr20:8919001-8921001
LOC685005	NM_001101011	chr20:9949156-9951156
Ndufv3l	NM_022607	chr20:9949189-9951189
Pspn	NM_013014	chrUn:24761982-24763982
Gucy1a2	NM_023956	chrUn:47455663-47457663
LOC313450	NM_001014791	chrX:7726299-7728299
Ebp	NM_057137	chrX:26329198-26331198
Pcsk1n	NM_019279	chrX:26618027-26620027
Tnmd	NM_022290	chrX:121394740-121396740
Fut7	NM_199491	chr3:3588173-3590173
Cmya3	NM_201989	chr3:49412868-49414868
Prg2	NM_031619	chr3:68207730-68209730
Olr601_predic	NM_001000512	chr3:71715492-71717492
Olr670_predic	NM_001000633	chr3:73204873-73206873
Olr733_predic	NM_001000618	chr3:74534053-74536053
Olr734_predic	NM_001000617	chr3:74543081-74545081
Nr1h3	NM_031627	chr3:75550793-75552793

Gylt1b	NM_199107	chr3:76768638-76770638
Cd59	NM_012925	chr3:89241598-89243598
Cd59	NM_012925	chr3:89241598-89243598
Olr757_predic	NM_001000613	chr3:97007537-97009537
Snap25	NM_030991	chr3:124804604-124806604
Defb23	NM_001037518	chr3:142784338-142786338
Gss	NM_012962	chr3:146087820-146089820
Src	NM_031977	chr3:148155255-148157255
Mterf	NM_053499	chr4:26940112-26942112
LOC500060	NM_001024323	chr4:56151396-56153396
Mkln1	NM_031359	chr4:58473701-58475701
RGD1560602	NM_001025149	chr4:68042937-68044937
Prss2	NM_012729	chr4:69086287-69088287
Trpv5	NM_053787	chr4:69387346-69389346
Dok1	NM_001025416	chr4:117245209-117247209
RGD1562258	NM_001048233	chr4:117337055-117339055
Pom210	NM_053322	chr4:125285493-125287493
LOC502872	NM_001044272	chr4:149212685-149214685
Sec13l1	NM_001006978	chr4:149650449-149652449
Ninj2	NM_021595	chr4:156472780-156474780
Ccnd2	NM_022267	chr4:163546501-163548501
RGD1562831	NM_001085402	chr4:165820500-165822500
Ocil	NM_130402	chr4:165996312-165998312
Ldhb	NM_012595	chr4:180079473-180081473
Bcat1	NM_017253	chr4:182692917-182694917
Col27a1	NM_198747	chr5:80196077-80198077
lft74	NM_001007001	chr5:114911346-114913346
Olr869_predic	NM_001000413	chr5:139463330-139465330
RGD1306186	NM_001024986	chr5:162599694-162601694
Mfn2	NM_130894	chr5:164980763-164982763
Mxra8	NM_001007002	chr5:172696248-172698248
Kif3c	NM_053486	chr6:26340387-26342387
Cpsf3	NM_001030030	chr6:41842970-41844970
Slc26a4	NM_019214	chr6:49427000-49429000
Zfp361	NM_017172	chr6:103124576-103126576
Pnma1	NM_130820	chr6:108200396-108202396
LOC500712	NM_001047961	chr6:128324554-128326554

LOC246266	NM_144750	chr6:136907406-136909406
Sp4	NM_012761	chr6:145613957-145615957
LOC500761	NM_001024351	chr7:1560514-1562514
Olr892_predic	NM_001000060	chr7:3232218-3234218
Atcay_predict	NM_001040190	chr7:9969562-9971562
Geft	NM_199395	chr7:67144481-67146481
Ptdss1	NM_001012113	chr7:67986401-67988401
Azin1	NM_022585	chr7:74189447-74191447
Baalc	NM_144762	chr7:74424266-74426266
Ptk2	NM_013081	chr7:111084554-111086554
Ly6b	NM_139257	chr7:113310996-113312996
Plec1	NM_022401	chr7:114237725-114239725
Rac2	NM_001008384	chr7:116532482-116534482
Pla2g6	NM_001005560	chr7:117307172-117309172
Cbx7	NM_199117	chr7:118165701-118167701
LOC245960	NM_139101	chr7:128611368-128613368
Prph1	NM_012633	chr7:137834164-137836164
Kcnh3	NM_017108	chr7:137982617-137984617
Kcnh3	NM_017108	chr7:137982617-137984617
Kb20	NM_001008815	chr7:140115890-140117890
Kb26	NM_001008810	chr7:140220554-140222554
Kb2	NM_001008899	chr7:140507590-140509590
Casp1	NM_012762	chr8:2025975-2027975
Fbxl12	NM_001025700	chr8:19661560-19663560
Fli1	NM_001017381	chr8:32309782-32311782
Olr1232_pred	NM_001000445	chr8:40510608-40512608
Olr1338_pred	NM_001000789	chr8:43009719-43011719
Cd3g	NM_001077646	chr8:47930550-47932550
Dapk2	NM_001013109	chr8:70537830-70539830
Rbp1	NM_012733	chr8:103603869-103605869
Timm8a	NM_053370	chr8:112004782-112006782
Rassf1	NM_001037555	chr8:112796862-112798862
Trex1	NM_001024989	chr8:114072510-114074510
Myd88	NM_198130	chr8:124303798-124305798
Trfp	NM_001013178	chr9:8851810-8853810
Mrps18a	NM_198756	chr9:10435570-10437570
Il1r2	NM_053953	chr9:39277396-39279396

Il1r2	NM_053953	chr9:39277396-39279396
Slc4a3	NM_017049	chr9:74821768-74823768
Mrpl44	NM_001031650	chr9:79071325-79073325
Ugt1a2	NM_201423	chr9:87079131-87081131
Efna5	NM_053903	chr9:101532696-101534696