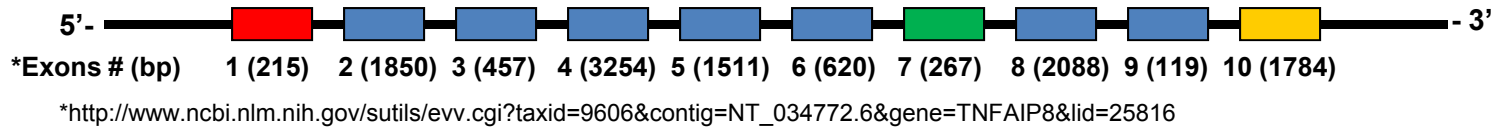
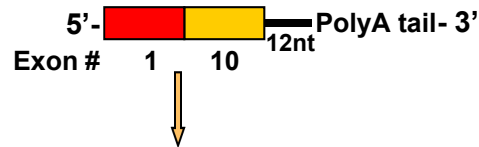


Figure S1a

LOCUS : 5q23.1, Chromosome: 5; NC_000005.9 (118604418..118730294) (Genomic TNFAIP8, 125,877 bp)
 mRNA ACCESSION No: NM_001077654.1 (Transcript Variant 2); NM_014350.2 (Transcript Variant 1)
 Protein Accession No: NP_001071122.1 (Protein Isoform b); NP_055165.2 (Protein Isoform a)
http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&cmd=Retrieve&dopt=full_report&list_uids=25816#



Transcript Variant 2 (2012 bp, includes 5'UTR 214 bp and 3'UTR 1233 bp)



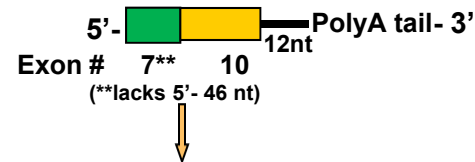
Protein Isoform b (188aa, 21.8 kDa)

***SCC-S2, GG2-1, NDED, MDC-3.13 (Uniprot: O95379-3)

*** Kumar *et al.*, J. Biol. Chem. 275:2973-2978, 2000

MATDVFNSKNLAVQAQKKILGKMOVSKSIATTLIDDTSSSEVLDELRYVTREYTNQNK
 KEAEKIIKNLIKTVIKLAILYRNNQFNQDELALMEKFKKKVHQLAMTVVFSHQVD
 YTFDRNVLSRLLNECREMLHQIQRHLTAK SHGRVNNVDFHSDCEFLAALYN
 PFGNFKPHLQKLCDGINKMLDEENI

Transcript Variant 1 (2017 bp, includes 5'UTR 190 bp and 3'UTR 1233bp)



Protein Isoform a (198aa, 23 kDa)

MDC-3.13-2 (Uniprot: O95379-1)

MHSEAEESKEVATDVFNSKNLAVQAQKKILGKMOVSKSIATTLIDDTSSSE
 VLDELRYVTREYTNQNKKEAEKIIKNLIKTVIKLAILYRNNQFNQDELALM
 EKFKKKVHQLAMTVVFSHQVDYTFDRNVLSRLLNECREMLHQIQRHL
 TAKSHGRVNNVDFHSDCEFLAALYNPFGNFKPHLQKLCDGINKMLD
 EENI

Figure S1b

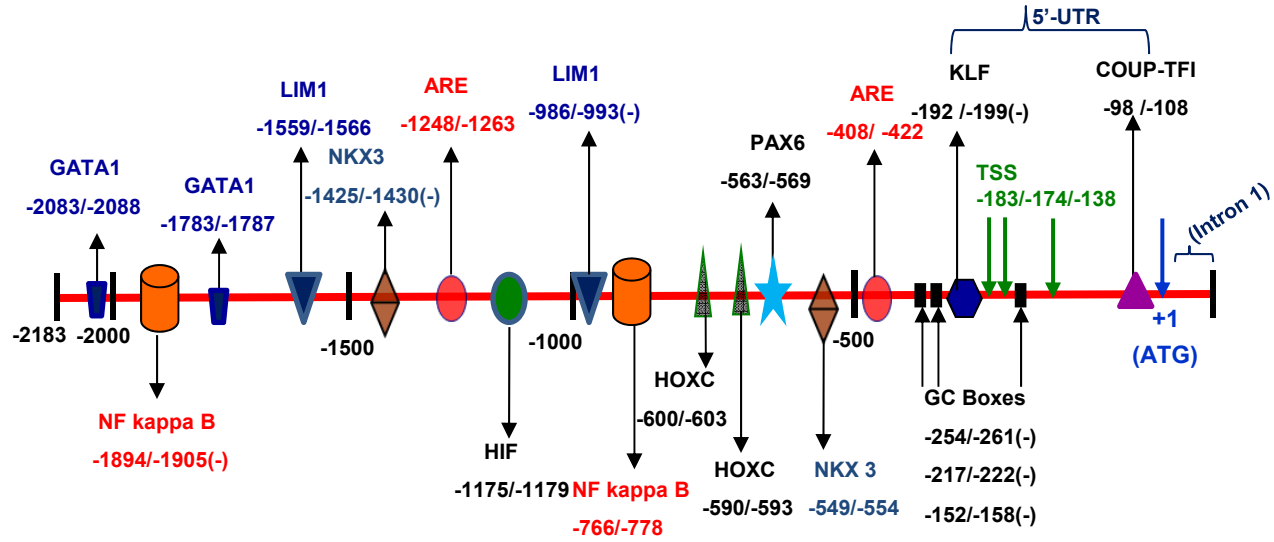


Figure S2a

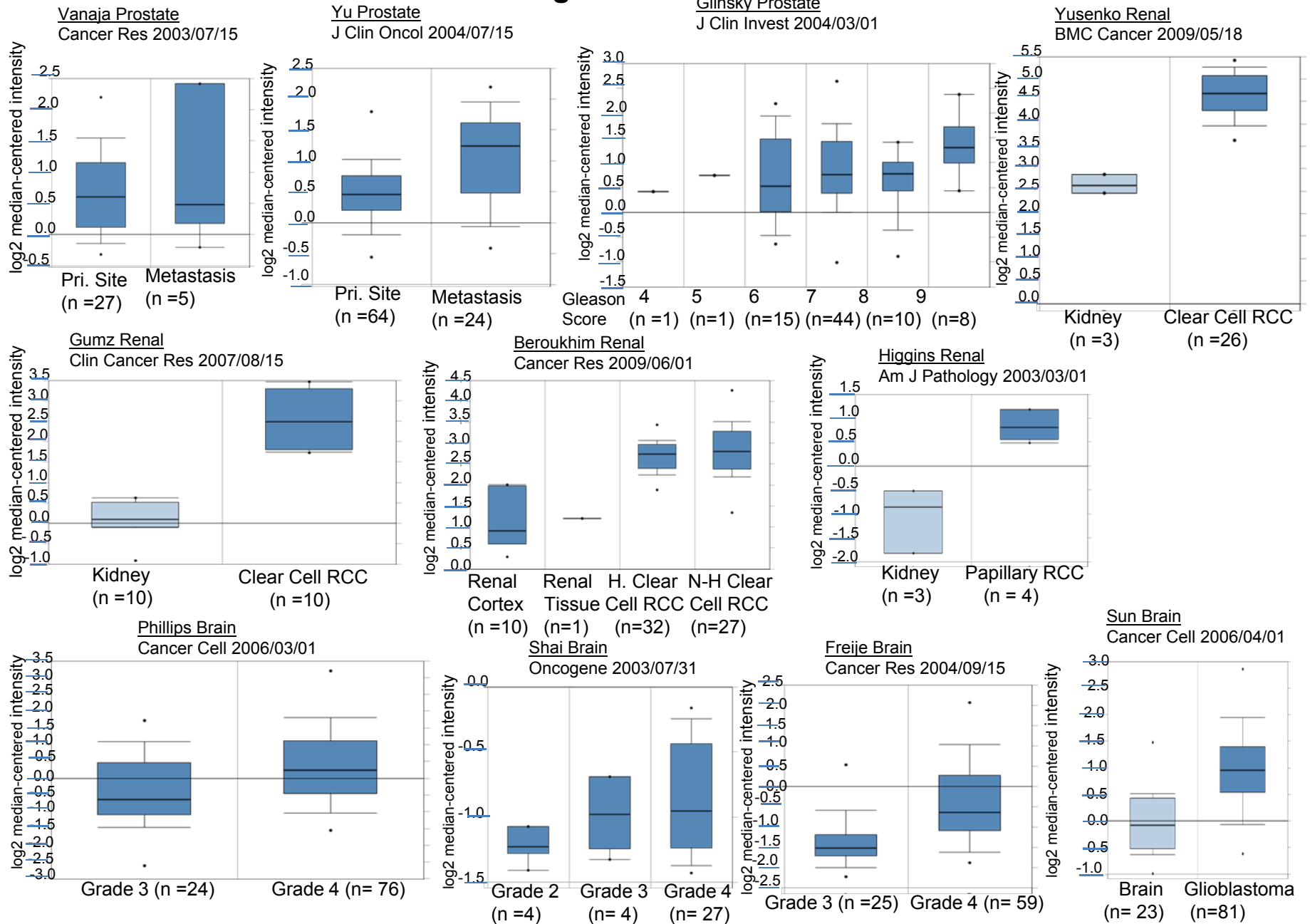


Figure S2a (contd.)

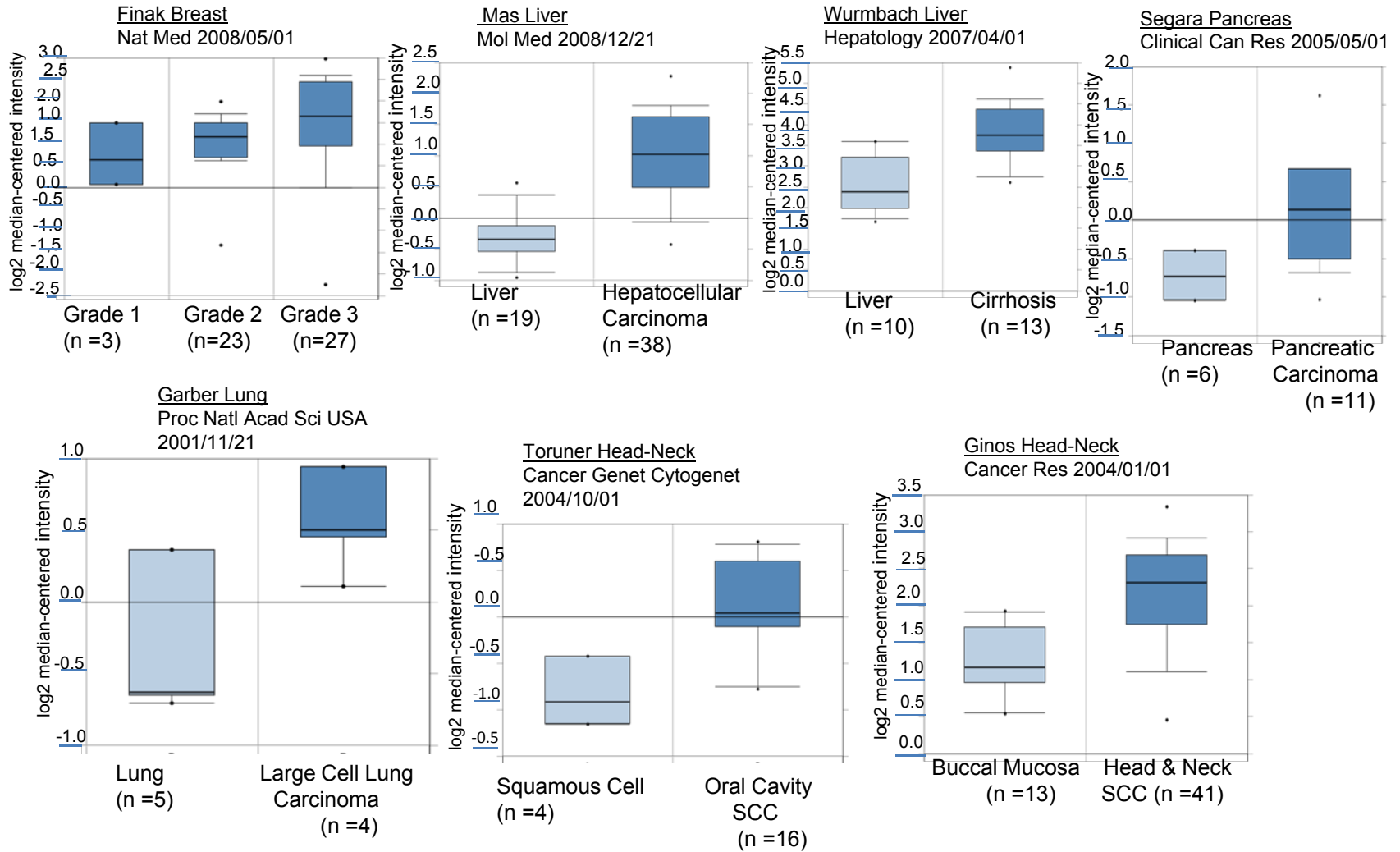
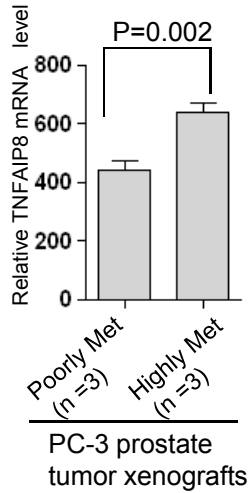
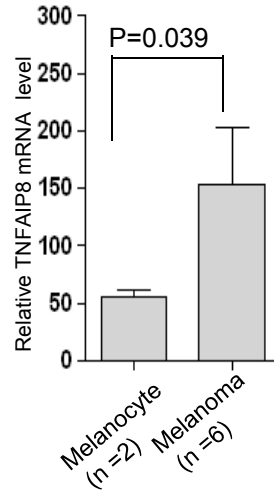


Figure S2b

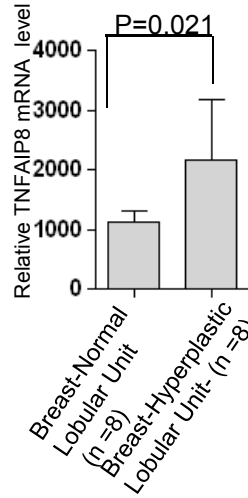
GDS2865/208296_x_at
(Wong et al., Proc Natl Acad Sci USA 2007,104:12784)



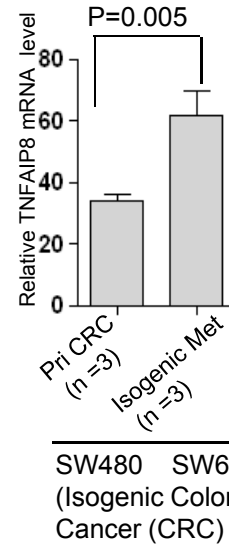
GDS1965/210260_s_at
(Hoek et al., Cancer Res 2004,64:5270)



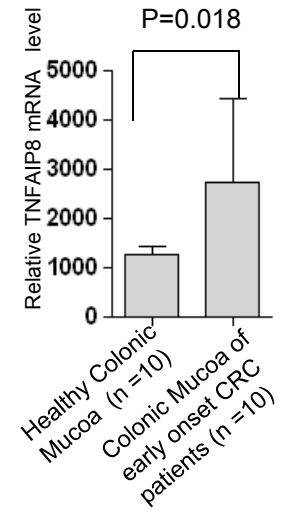
GDS2739/g7657123_3p_a_at
(Lee et al., Am J Pathol 2007,171:252)



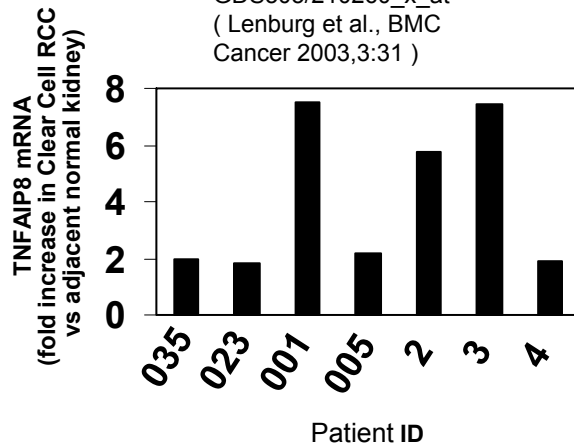
GDS1780/208296_x_at
(Provenzani et al., Carcinogenesis 2006,27:1323)



GDS2609/210260_s_at
(Hong et al., Clin Cancer Res 2007,13:1107)

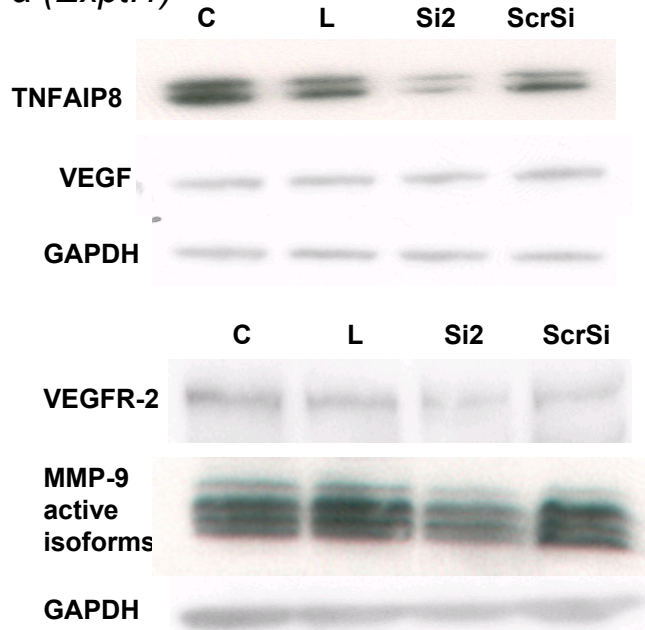


GDS505/210260_x_at
(Lenburg et al., BMC Cancer 2003,3:31)

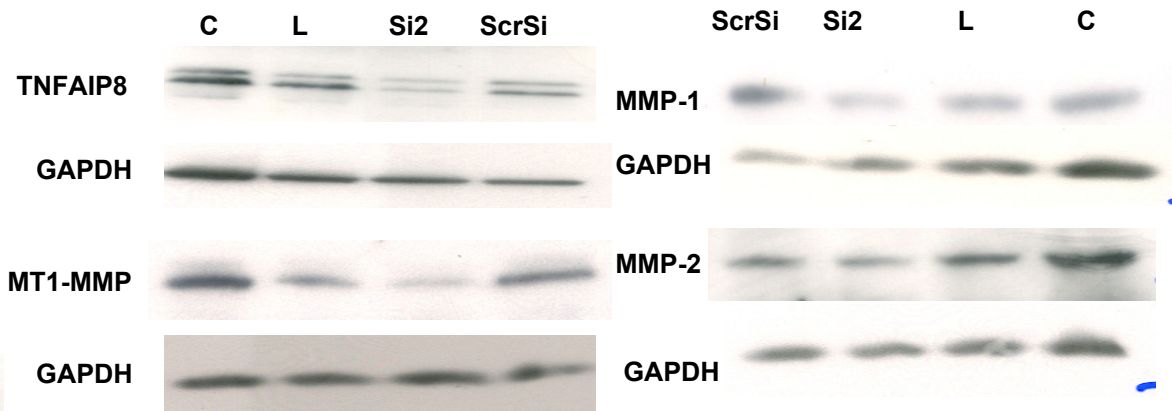


Figures S3a- S3c

a (Expt.1)



b (Expt.2)



c

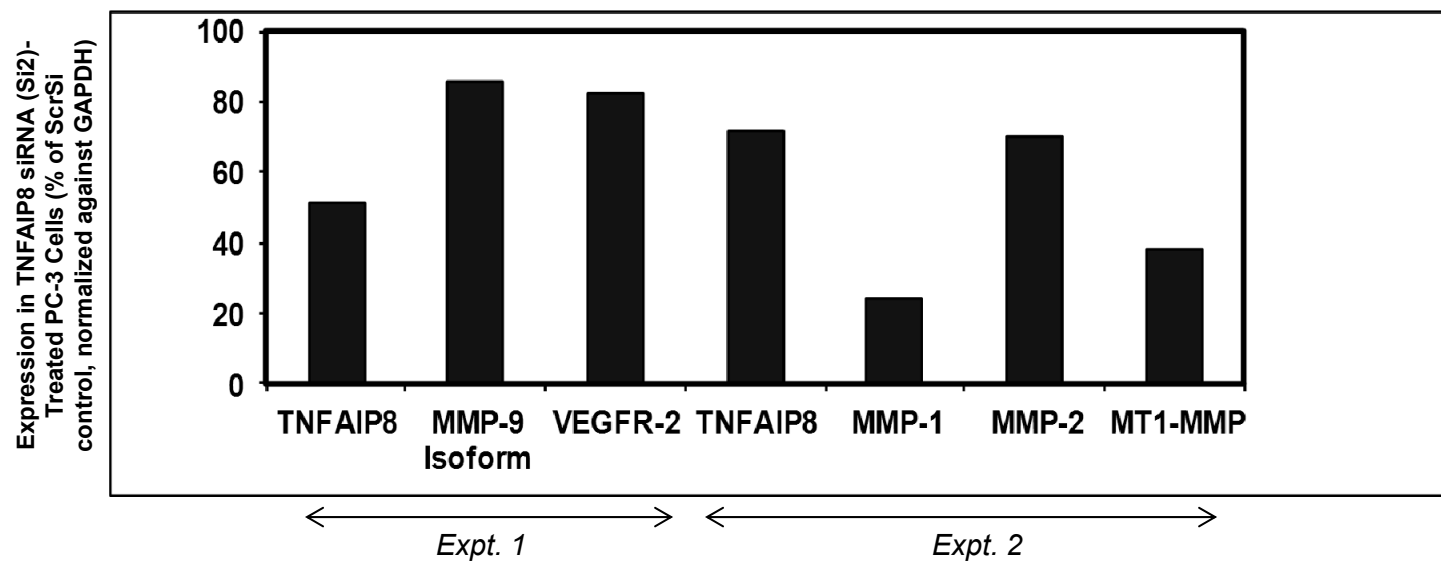
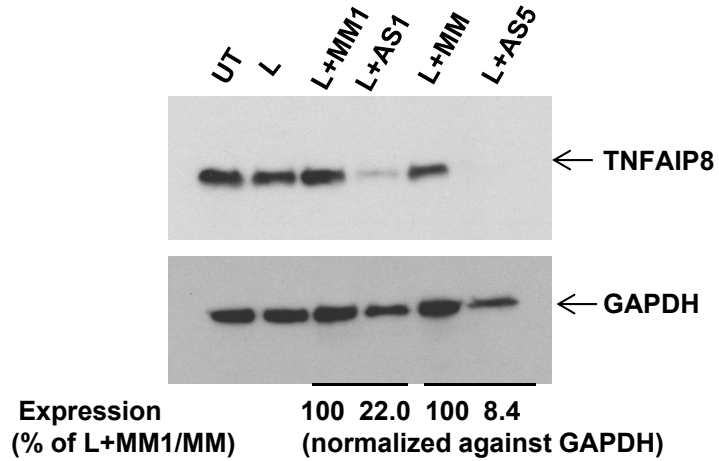


Figure S4a-S4c

a. *In vitro*



c.

TNFAIP8 antisense oligonucleotides tested *in vitro/in vivo* (14-mers; AS1 and AS5 are identical sequences)

All bases phosphorothioated

AS1 5'-GsTsGsGsCsCsAsTsCsGsGsAsGsG-3'

AS2 5'-GsCsCsCsTsAsTsTsAsAsAsAsG-3'

Only one base at each end phosphorothioated

AS5 5'-GsTGGCCATCGGAGsG-3'

b. *In vivo*

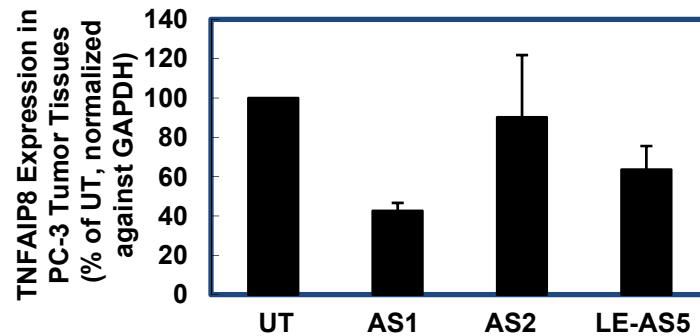
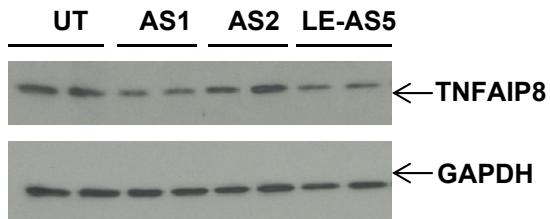


Figure S5a

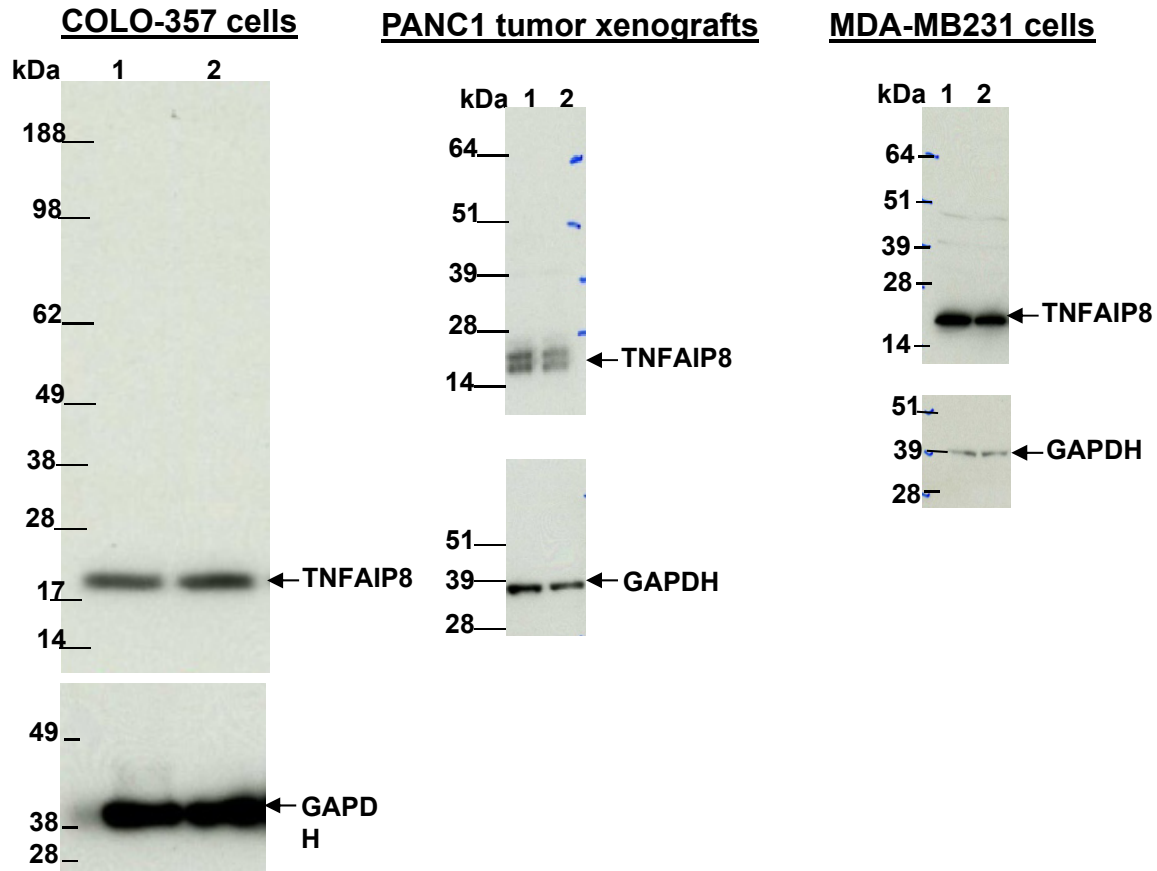


Figure S5b

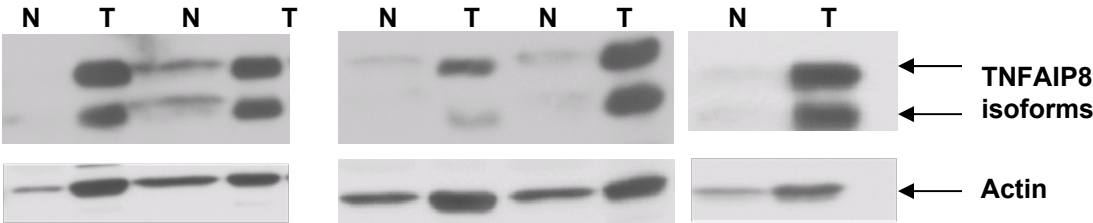


Figure S5c

Immunoprecipitation (IP):

- Lane 1. anti-TNFAIP8
- Lane 2. anti-Raf-1 (polyclonal)
- Lane 3. Normal rabbit IgG

Immunoblotting (IB):

anti-TNFAIP8

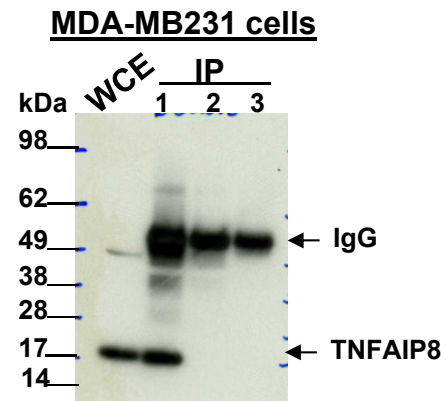
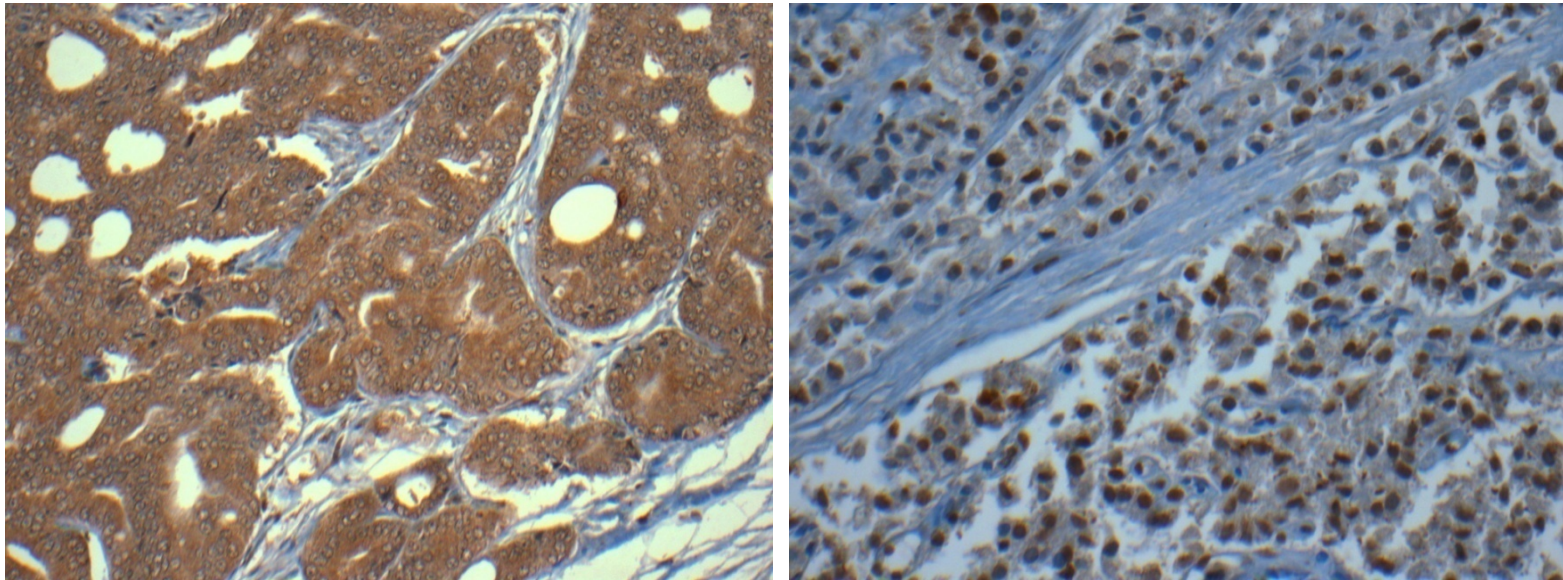


Figure S6a



Immunohistochemical analysis of TNFAIP8 in prostate tumor TMA

PAC Grade	Cytoplasmic TNFAIP8		Nuclear TNFAIP8	
	Weak	Moderate to Intense	Weak	Moderate to Intense
Low (n =26)	15/26 (58%)	11/26 (42%)	0/26	1/26 (4%)
Intermediate/ High (n =38)	4/38 (11%)	34/38 (89%)	0/38	5/38 (13%)

Figure S6b

Patient ID	Grade 0=LG 1=HG	Cytoplasmic TNFAIP8 (Tumor vs Adjacent Benign)*
1	1	1
2	0	-1
3	1	1
6	1	1
11	0	-1
13	0	-1
20	1	1
25	1	1
35	0	-1
37	0	-1
39	1	1
41	0	-1
45	0	1
46	1	-1
50	0	-1
51	0	-1
52	0	-1
53	1	-1
	18	18

Patient ID	Grade 0=LG 1=HG	Nuclear TNFAIP8 (Tumor vs Adjacent Benign)*
3	1	1
4	0	1
5	1	1
6	1	1
14	1	1
17	1	1
18	1	1
20	1	1
21	1	1
22	1	1
23	1	1
24	1	1
25	1	1
31	1	1
37	0	1
45	0	1
	16	16

Figure S6c

Patient ID	0=Non-Recurrent 1= Recurrent	Nuclear TNFAIP8 (Tumor vs Adjacent Benign)*
3	1	1
4	0	1
5	1	1
6	1	1
7	0	0
8	1	0
9	1	0
10	1	0
12	1	0
14	1	1
15	1	0
16	0	0
17	1	1
18	1	1
19	0	0
20	0	1
21	1	1
22	1	1
23	1	1
24	0	1
25	1	1
26	0	0
27	0	0
28	0	0
29	1	0
30	1	0
31	1	1
32	0	0
33	0	0
34	0	0
36	1	0
37	0	1
38	1	0
40	0	0
42	0	0
43	1	0
44	0	0
45	0	1
47	0	0
48	0	0
49	0	0
54	0	0
	42	42

Figure S7

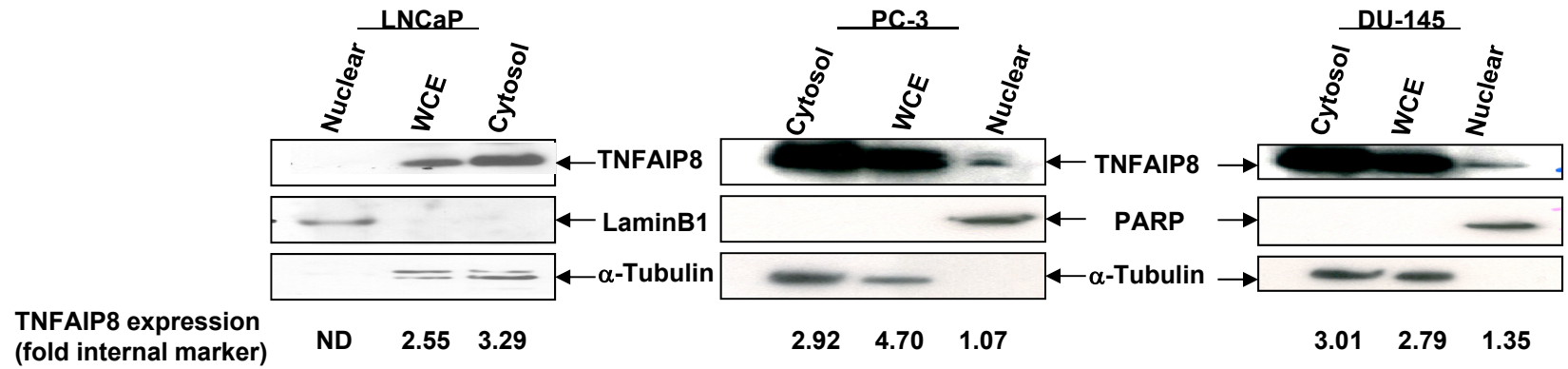


Figure S8

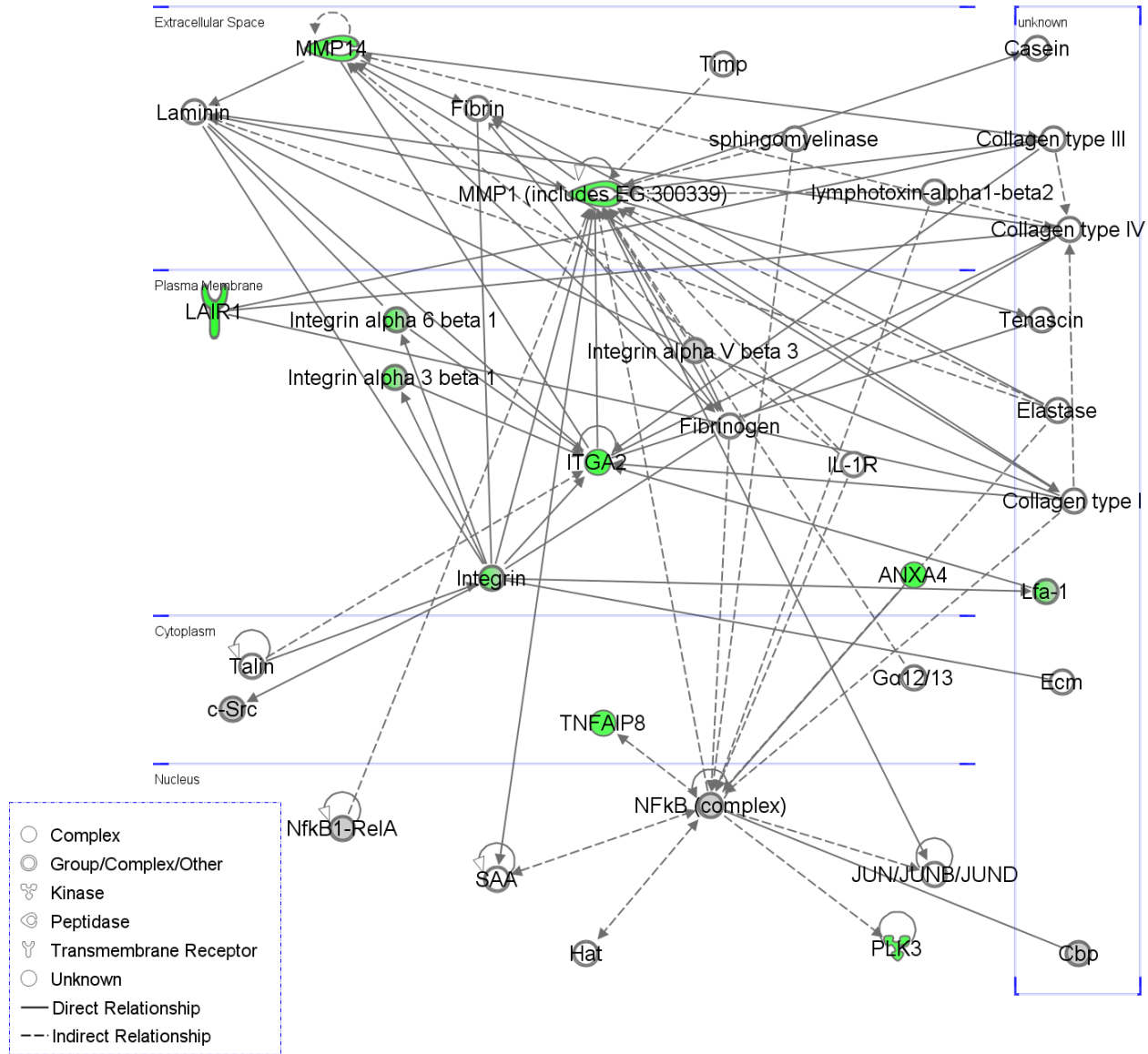


Figure S9

