

Table 1. Genes up regulated in MPAKT (murine prostate restricted Akt kinase transgenic) ventral prostate (top 100 ranked by signal-to-noise)

Gene name	Score	Mean MPAKT	Std MPAKT	Mean FVB	Std FVB	Fold induction	Gene ID
Mus musculus angiogenin-3 precursor mRNA	4.7	5,664.92	607.6	177.25	27.44	31.96	U72672
arginase 1, liver	4.59	507.48	100.95	12.5	6.45	40.60	U51805
EST	4.41	90.15	18.32	5	0	18.03	AA608277
bone gamma-carboxyglutamate protein, related sequence 1	4.35	1,558.62	137.66	56.75	33.77	27.46	L24430
serum amyloid A 2	4.17	886.25	114.14	20.25	30.5	43.77	U60438
serum amyloid A 1	4.07	316.38	14.29	16	10.55	19.77	M13521
prostate stem cell antigen	4.02	4,007.48	420.81	413	92.66	9.70	AW209486
coxsackievirus and adenovirus receptor	3.97	67.1	14.41	5.5	1	12.20	U90715
bone gamma carboxyglutamate protein 1	3.91	793.5	67.32	36.75	34.65	21.59	L24431
aldolase 3, C isoform	3.86	199.75	25.41	10.5	9.11	19.02	AW121134
fibroblast growth factor binding protein 1	3.85	62.6	13.97	5	0	12.52	AF065441
solute carrier family 6	3.72	35.9	5.55	5.25	0.5	6.84	U76306
angiogenin related protein	3.71	398	87.65	41	8.49	9.71	U22519
EST	3.61	110.25	25.18	7.75	3.2	14.23	AW046243
EST	3.31	63.95	9.48	13	2.31	4.92	AI849109
EST	3.17	372.23	41.15	81.25	17.33	4.58	AW125849
decay accelerating factor 2	3.15	123.75	14.91	22.25	7.5	5.56	L41365
ephrin B2	3.14	33.17	7.84	5.25	0.5	6.32	U30244
tumor-associated calcium signal transducer 2	3.14	496.85	76.56	108.25	24.28	4.59	AI563854
EST	3.13	776.83	161.79	166.5	24.57	4.67	AW121336
protein kinase C, zeta	3.13	83.18	19.44	8.75	4.35	9.51	AV367375
EST	3.1	971.95	192.53	228.25	32.44	4.26	AI849939
sine oculis-related homeobox 3 homolog (Drosophila)	3.05	54.62	7.82	8.25	4.27	6.62	X90871
small proline-rich protein 2A	3.02	2,186.05	666.77	78.75	29.95	27.76	AJ005559
syndecan 1	2.99	38.85	7.8	6.5	3	5.98	Z22532
sphingosine kinase 1	2.99	61.05	17.73	5	0	12.21	AF068748
BCL2/adenovirus E1B 19 kDa-interacting protein 1, NIP3	2.95	387.98	71.81	85.5	24.91	4.54	AF041054
PDZ domain containing 1	2.95	327.58	20.27	63.75	23.96	5.14	AW046638
beta-glucuronidase structural	2.9	353.25	57.06	86.75	21.28	4.07	M19279
malic enzyme, supernatant	2.81	141.73	26.57	38.25	8.42	3.71	J02652
activating transcription factor 3	2.81	259.52	46.07	59	19.41	4.40	U19118
regulator of G-protein signaling 2	2.73	1,978.45	138.4	509.75	143.09	3.88	U67187
7-dehydrocholesterol reductase	2.71	53.58	6.97	11.75	4.72	4.56	AF057368
granzyme F	2.7	36.97	7.59	7.5	3.32	4.93	J03257
NPC derived proline rich protein 1	2.68	58.05	8.53	16.5	3.87	3.52	AV260677
cytokine receptor-like factor 1	2.67	92.97	8.24	13.75	11.12	6.76	AA270365
interferon-induced protein with tetratricopeptide repeats 1	2.65	313.35	115.41	5	0	62.67	U43084
small proline-rich protein 2G	2.61	1,363.75	190.63	368.25	108.79	3.70	AJ005565
EST	2.59	165.5	34	45.5	12.37	3.64	X90778
endothelin 1	2.58	378.77	31.52	76.75	41.39	4.94	U35233
EST	2.57	75.72	14.01	24.25	4.11	3.12	AA716963
small proline-rich protein 2A	2.53	1,894.38	745.85	5	0	378.88	AJ005559
decay accelerating factor 1	2.53	89.5	16.58	21	9.2	4.26	D63679
Jun-B oncogene	2.48	110.8	27.56	11.25	12.5	9.85	U20735
adenylate kinase 4	2.47	152.82	55.13	7.5	3.79	20.38	AW061337
E74-like factor 3	2.45	318.3	36	78	34.57	4.08	AF016294
GTP cyclohydrolase 1	2.39	70.97	10.52	14.75	9.32	4.81	L09737
cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	2.38	38.25	5.85	9	4.62	4.25	AF059567

EST	2.25	24.4	7.61	5	0	4.88	AW061265
NAD(P) dependent steroid dehydrogenase-like	2.25	121.07	20.89	34.75	14.08	3.48	AL021127
small proline-rich protein 2B	2.23	1,223.10	520.31	21.5	17.41	56.89	AJ005560
EST	2.2	48.35	16.6	6.25	2.5	7.74	AA727424
hypoxia induced gene 1	2.2	249.65	52.19	76.75	26.27	3.25	AI836820
annexin A3	2.2	619.33	146.84	205.75	41.12	3.01	AJ001633
EST	2.16	47.17	10.91	10	6.27	4.72	AV149482
interferon-induced protein with tetratricopeptide repeats 2	2.08	75.85	33.08	5	0	15.17	U43085
EST	2.07	32.75	6.4	10.5	4.2	3.12	C80900
E74-like factor 3	2.07	45.85	6.19	12.75	6.85	3.60	AV223598
EST	2.06	31.58	5.42	8.75	4.79	3.61	AV334573
Wnt1 responsive Cdc42 homolog	2.04	196.68	21.56	60.5	27.31	3.25	AV246963
adenosine A2b receptor	2.04	35.45	11.83	6.25	2.5	5.67	U05673
EST	2.01	48.7	9.23	15.5	6.76	3.14	C80016
small proline-rich protein 2E	2.01	944.7	399.16	51.25	46.33	18.43	AJ005563
nuclear proten 1	1.95	5,088.75	300.86	1,817.25	657.25	2.80	AI852641
small inducible cytokine A25	1.95	25.4	4.87	8	3.83	3.18	AJ249480
matrix metalloproteinase 15	1.95	199.68	22.66	76.25	23.33	2.62	D86332
crystallin, beta B2	1.94	97.45	9.35	16.75	22.19	5.82	AV360936
small EDRK-rich factor 2	1.93	627.92	195.53	174.25	39.85	3.60	AW125253
quiescin Q6	1.91	419.88	128.6	91.5	42.94	4.59	AW045751
LIM and SH3 protein 1	1.91	125.45	33.43	28.5	17.31	4.40	U58882
expressed sequence AI462243	1.9	30.55	3.69	9	5.23	3.39	AI120671
ATP-binding cassette, sub-family G (WHITE), member 1	1.88	60.65	27.04	6	2	10.11	Z48745
Musashi homolog 1(Drosophila)	1.88	35.1	11.59	6.75	3.5	5.20	D49654
proprotein convertase subtilisin/kexin type 5	1.87	64.88	12.1	20	10.98	3.24	D12619
ERO1-like (S. cerevisiae)	1.82	373.7	147.25	53.25	29.16	7.02	AA798624
EST	1.81	37.83	6.13	11.5	6.95	3.29	AV280754
peptidylprolyl isomerase C-associated protein	1.81	114.32	24.83	41	15.77	2.79	X67809
CD2-associated protein	1.74	69.65	2.7	25	11.75	2.79	AF077003
hemopoietic cell kinase	1.72	58.97	15.78	16.5	8.96	3.57	J03023
NAD(P) dependent steroid dehydrogenase-like	1.7	104.43	21.96	33.25	19.81	3.14	AW106745
Rho GDP dissociation inhibitor (GDI) gamma	1.7	79.03	20.48	22.25	12.84	3.55	U73198
N-acylsphingosine amidohydrolase 1	1.69	267.75	50.58	115.25	36.74	2.32	AW124297
expressed sequence AW488865	1.67	26.35	10.85	5.75	1.5	4.58	AV115502
GLI-Kruppel family member GLI	1.67	37.67	1.7	11.5	8.19	3.28	AB025922
ADP-ribosylation factor 3	1.65	118.2	56.81	9.5	9	12.44	D87900
nuclear factor, erythroid derived 2, like 3	1.64	27.3	5.72	10.75	4.35	2.54	AB013852
gap junction membrane channel protein beta 1	1.63	93.4	21.59	30	17.26	3.11	X84215
sterol-C5-desaturase	1.63	46.78	3.08	20	7.12	2.34	AB016248
urokinase plasminogen activator receptor	1.62	40.33	7.8	10.25	10.5	3.93	X62700
NAD(P) dependent steroid dehydrogenase-like	1.61	208.32	36.1	81.25	37.3	2.56	AW106745
potassium voltage-gated channel, subfamily Q, member 1	1.6	37.7	3.34	11.25	8.96	3.35	U70068
AFG3(ATPase family gene 3)-like 1 (yeast)	1.6	127.25	43.45	27.5	18.95	4.63	AA797556
EST	1.59	33.15	7.77	10.75	6.29	3.08	AW123955
Yamaguchi sarcoma viral (v-yes) oncogene homolog	1.59	163.9	35.32	63.5	28.02	2.58	X67677
mannosidase 2, alpha B1	1.58	200.5	30.08	63.5	46.41	3.16	U87240
f-box and WD-40 domain protein 4	1.58	101.28	24.64	31.25	19.7	3.24	AW122991
EST	1.57	133.27	33.8	41	25.02	3.25	L14553
defensin related cryptdin 6	1.55	56.35	13.69	16.75	11.87	3.36	U03003
EST	1.54	34.05	4	10.25	8.62	3.32	AI840035
actinin alpha 3	1.53	37.55	20.24	5	0	7.51	AF093775