

## Supplementary Table 1

Tumor antigen (Hu) (Cheevers <i>et al.</i> )	MGI Symbol	AE17 (RPKM)	KPC-3 (RPKM)	B16F10 (RPKM)
B7H3	Cd276	10,453	5,128	1,836
Carbonic anhydrase IX	Car9	0,877	1,723	0,728
Cyclin B1	Ccnb1	33,524	49,515	79,788
CYP1B1	Cyp1b1	0,469	1,83	0,148
EGFR	Egfr	15,562	4,443	0,009
EphA2	Epha2	13,012	68,084	0,5
ETV6-AML	Etv6	7,635	4,272	4,298
Fos-related antigen 1	Fosl1	1,58	14,79	0,133
GD2	B4galnt1	2,647	5,119	0,096
HER-2/neu	Erb2	6,633	7,248	1,947
hTERT	Tert	0,621	1,516	1,038
Legumain	Lgmn	57,026	15,997	19,044
LMP2	Psmb9	5,375	0	0,686
Mesothelin	Msln	1,613	188,694	0,166
Mlana	Mlana	0,137	0,029	962,142
MUC1	Muc1	0,187	31,107	0,008
p53	Trp53	40,636	72,406	23,872
PAP	Acpp	1,667	0,014	5,093
PAX3	Pax3	1,097	0,027	22,599
PDGFR- $\beta$	Pdgfrb	19,265	0,012	2,071
Pmel	Pmel	0,315	0,098	1322,953
Proteinase3 (PR1)	Tmem37	12,497	0,511	0,086
PSCA	PscA	0,036	6,192	0
Ras	kras	9,478	7,068	9,674
RhoC	Rhoc	59,806	76,701	36,765
Sarcoma translocation breakpoints	Ewsr1	53,468	65,421	74,243
SART3	Sart3	10,381	15,07	12,161
Spa17	Spa17	0,011	0,417	1,094
SSX2	Rab3ip	8,145	7,677	7,988
Survivin	Birc5	33,091	50,658	76,914
Tyr	Tyr	0	0,006	58,169