

# Supplementary Materials Table 1

Usary et al.

GENBANK	GENENAME	rVista	Significant EASE Categories
L26050	2,4-dienoyl CoA reductase 1, mitochondrial		
BC004471	adipose specific 2		
AF038451	anterior gradient 2 homolog	1	
AK095363	aquaporin 3	0	4
M27396	asparagine synthetase	0	
Z69881	ATPase, Ca++ transporting, ubiquitous	0	7
BC000006	ATPase, Na+/K+ transporting, beta 1 polypeptide	1	
NM_012105	beta-site APP-cleaving enzyme 2	1	
AF041260	breast carcinoma amplified sequence 1	1	
NM_013230	CD24 antigen	0	3, 4, 5, 8, 10
NM_001769	CD9 antigen (p24)	0	4
BC000671	claudin 4	0	6
BC010514	clusterin	1	3, 4, 5, 8, 10
NM_000104	cytochrome P450, family 1, subfamily B, polypeptide 1	1	3, 4, 5, 12
U31875	dehydrogenase/reductase SDR family member 2	1	
NM_057158	dual specificity phosphatase 4	0	
NM_004104	fatty acid synthase	0	
U39840	forkhead box A1 (HNF3-c+)	1	
U28249	FXYD domain containing ion transport regulator 3	1	
NM_018530	gasdermin-like	1	
NM_002051	GATA binding protein 3	1	3, 4, 5, 8, 10, 12
NM_005310	growth factor receptor-bound protein 7	1	
BC007513	H19, imprinted maternally expressed untranslated mRNA	1	
AL133645	hypothetical protein LOC90133	1	
BC002457	hypothetical protein MGC3067	1	
BC030029	inhibin, beta B	1	3, 4, 5, 8, 10, 11
NM_000526	keratin 14	1	1, 2, 6, 9
NM_000224	keratin 18	1	1, 2, 6, 9
BC007628	keratin 19	1	1, 2, 6, 9
NM_002272	keratin 4	1	1, 2, 6, 9
NM_005586	keratin 7	1	1, 2, 6, 9
NM_002273	keratin 8	1	1, 2, 6, 9
KIAA1975	KIAA1975 protein similar to MRIP2	0	
AL450314	kraken-like	0	
NM_005588	ladinin 1	0	6
BC015761	lectin, galactoside-binding, soluble, 3 binding protein		3, 4, 5, 8, 10
NM_052886	mal, T-cell differentiation protein 2	1	
BC013098	melanoma antigen, family A, 2		
BC017723	melanoma antigen, family A, 4		
AK093876	membrane targeting C2 domain containing 1	0	
D78611	mesoderm specific transcript homolog	1	3
J03934	NAD(P)H dehydrogenase, quinone 1		3, 4, 5
AF044956	NADH dehydrogenase 1 beta subcomplex, 9, 22kDa	0	3, 4, 5, 12
NM_139280	ORM1-like 3	0	
NM_000310	palmitoyl-protein thioesterase 1	1	3, 4, 5, 12
BC009200	Rho GDP dissociation inhibitor beta	1	3, 4, 5, 8, 10
BC000530	ribosomal protein L19	1	
X80201	S100 calcium binding protein A11		7
AY007220	S100 calcium binding protein A14	1	7
BC010541	S100 calcium binding protein A16	1	7
BC016300	S100 calcium binding protein A4	1	7
BC009017	S100 calcium binding protein A6	1	7, 11
AF086362	S100 calcium binding protein A9	0	3, 4, 5, 7, 8, 10
BC006819	S100 calcium binding protein P		7
BC021090	scinderin	0	9
AB000095	serine protease inhibitor, Kunitz type 1	1	
BC001668	serine protease inhibitor, Kunitz type, 2	0	
K03195	solute carrier family 2, member 1	0	
BC003361	solute carrier family 9, isoform 3 regulatory factor 1	1	9
U00968	sterol regulatory element binding transcription factor 1	0	
NM_002997	syndecan 1	1	
AF198489	transcription factor CP2-like 2	0	
NM_003234	transferrin receptor	1	
NM_003239	transforming growth factor, beta 3	1	11
AF095791	transforming, acidic coiled-coil containing protein 2	0	
AF100759	transmembrane 4 superfamily member 13	0	
X52003	trefoil factor 1		3, 4, 5, 8, 10, 11
L15203	trefoil factor 3		3, 4, 5, 8, 10
U18914	tumor protein D52	0	
X77753	tumor-associated calcium signal transducer 2	1	3, 4, 5, 12
NM_004448	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2	1	
AK095208			
BC012900			

blank = mouse ortholog not determined

EASE Categories	System	Category	EASE Score
1	Cellular Component	intermediate filament	0.0000609
2	Cellular Component	intermediate filament cytoskeleton	0.0000609
3	Biological Process	response to external stimulus	0.0012600
4	Biological Process	organismal physiological process	0.0019100
5	Biological Process	response to stimulus	0.0062900
6	Molecular Function	structural molecule activity	0.0063600
7	Molecular Function	calcium ion binding	0.0107000
8	Biological Process	defense response	0.0198000
9	Cellular Component	cytoskeleton	0.0295000
10	Biological Process	response to biotic stimulus	0.0322000
11	Molecular Function	growth factor activity	0.0324000
12	Biological Process	sensory perception	0.0474000