

SUPPLEMENTAL TABLE. Functional categorization of 88 genes in Gleason classifier

HUGO	NAME	GENBANK	ENTREZ GENE	AVE FOLD Δ GL4+5 / GL3
<b>METABOLISM - CARBOHYDRATE</b>				
GLO1	Glyoxalase I	BX462360	<a href="#">2739</a>	1.9
HIG1	Likely ortholog of mouse hypoxia induced gene 1	AL533096	<a href="#">25994</a>	1.8
PGK1	Phosphoglycerate kinase 1	CR613425	<a href="#">5230</a>	1.8
PRPS1	Phosphoribosyl pyrophosphate synthetase 1	BM685070	<a href="#">5631</a>	1.6
DPM1	Dolichyl-phosphate mannosyltransferase polypeptide 1 catalytic subunit	BM457694	<a href="#">8813</a>	1.5
PPP1CA	Protein phosphatase 1 catalytic subunit alpha isoform	BU147403	<a href="#">5499</a>	-1.2
<b>METABOLISM - ENERGY</b>				
COX7A2L	Cytochrome c oxidase subunit VIIa polypeptide 2 like	BG031820	<a href="#">9167</a>	1.8
ATP5B	ATP synthase H+ transporting mitochondrial F1 complex beta polypeptide	CR591449	<a href="#">506</a>	1.7
ATP5G3	ATP synthase H+ transporting mitochondrial F0 complex subunit c isoform 3	CK126069	<a href="#">518</a>	1.7
NDUFB3	NADH dehydrogenase 1 beta subcomplex 3 12kDa	AW008598	<a href="#">4709</a>	1.7
COX6C	Cytochrome c oxidase subunit VIc	AI217634	<a href="#">1345</a>	1.6
ATP6V1F	ATPase H+ transporting lysosomal 14kDa V1 subunit F	NM_004231	<a href="#">9296</a>	1.5
PRDX5	Peroxisredoxin 5	AF110731	<a href="#">25824</a>	1.5
TXNDC	Thioredoxin domain containing	BQ926682	<a href="#">81542</a>	1.5
LOC152485	Hypothetical protein LOC152485	BC033655	<a href="#">152485</a>	-2.8
<b>METABOLISM - LIPID/STEROL</b>				
HSD17B3	Hydroxysteroid (17-beta) dehydrogenase 3	U05659	<a href="#">3293</a>	2.8
HSD17B4	Hydroxysteroid (17-beta) dehydrogenase 4	BQ433160	<a href="#">3295</a>	2.2
ACOX2	Acyl-Coenzyme A oxidase 2 branched chain	BC047700	<a href="#">8309</a>	2.1
DHRS9	Dehydrogenase/reductase member 9	BU626782	<a href="#">10170</a>	2.0
YWHAZ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase act prot zeta	BQ441212	<a href="#">7534</a>	2.0
NPC2	Niemann-Pick disease type C2	CR608935	<a href="#">10577</a>	1.8
PSAP	Prosaposin	BT006849	<a href="#">5660</a>	1.8
<b>METABOLISM - PROTEIN</b>				
MAOA	Monoamine oxidase A	NM_000240	<a href="#">4128</a>	2.4
SHMT2	Serine hydroxymethyltransferase 2	BM920284	<a href="#">6472</a>	2.1
TMPRSS2	Transmembrane protease serine 2	AF318374	<a href="#">7113</a>	2.1
SPC12	Signal peptidase 12kDa	CN306845	<a href="#">28972</a>	2.0
PSMB1	Proteasome subunit beta type 1	CR615498	<a href="#">5689</a>	1.8
PCCB	Propionyl Coenzyme A carboxylase beta polypeptide	CD014123	<a href="#">5096</a>	1.7
TCEB1	Transcription elongation factor B polypeptide 1	W81685	<a href="#">6921</a>	1.7
SEPHS2	Selenophosphate synthetase 2	NM_012248	<a href="#">22928</a>	1.7
HACE1	HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1	AL834202	<a href="#">57531</a>	1.6
CPE	Carboxypeptidase E	AA744054	<a href="#">1363</a>	-1.7
HGD	Homogentisate 12-dioxygenase	BC020792	<a href="#">3081</a>	-2.0
GSTM1	Glutathione S-transferase M1	NM_000561	<a href="#">2944</a>	-2.2
DPP4	Dipeptidylpeptidase 4	CA446944	<a href="#">1803</a>	-2.2
<b>METABOLISM - OTHER</b>				
OAZ2	Ornithine decarboxylase antizyme 2	BU506882	<a href="#">4947</a>	1.6
<b>PROLIFERATION / DIFFERENTIATION / APOPTOSIS</b>				
CDKN2C	Cyclin-dependent kinase inhibitor 2C	NM_078626	<a href="#">1031</a>	2.3
FTH1	Ferritin heavy polypeptide 1	BQ219393	<a href="#">2495</a>	1.9
DAD1	Defender against cell death 1	BQ644712	<a href="#">1603</a>	1.9
NEDD5	Neural precursor cell expressed developmentally down-regulated 5	NM_004404	<a href="#">4735</a>	1.7
NME1	Non-metastatic cells 1 protein expressed in	AL360191	<a href="#">4830</a>	1.5
LTBR	Lymphotoxin beta receptor	BM983044	<a href="#">4055</a>	-1.3
AZGP1	Alpha-2-glycoprotein 1 zinc	BC005306	<a href="#">563</a>	-4.7
<b>SIGNAL TRANSDUCTION</b>				
CDK2AP1	CDK2-associated protein 1	BU608264	<a href="#">8099</a>	1.9
RAB6A	RAB6A member RAS oncogene family	AF052130	<a href="#">5870</a>	1.7
MME	Membrane metallo-endopeptidase	AL833459	<a href="#">4311</a>	1.7
SNX3	Sorting nexin 3	BQ440796	<a href="#">8724</a>	1.7
RAB18	RAB18 member RAS oncogene family	AL136734	<a href="#">22931</a>	1.7
RHOT2	Ras homolog gene family member T2	CR597322	<a href="#">89941</a>	1.7
RHOA	Ras homolog gene family member A	BC000946	<a href="#">387</a>	1.7
RAB2	RAB2 member RAS oncogene family	AI624450	<a href="#">5862</a>	1.6
PRKAR1A	Protein kinase cAMP-dependent regulatory type I alpha	CR749311	<a href="#">5573</a>	1.6
JUN	V-jun sarcoma virus 17 oncogene homolog	NM_002228	<a href="#">3725</a>	-1.6
CD59	CD59 antigen p18-20	NM_000611	<a href="#">966</a>	-1.8
<b>STRUCTURAL / ADHESION / MOTILITY</b>				
TMSL3	Thymosin-like 3	AA075339	<a href="#">7117</a>	1.9
ARPC2	Actin related protein 2/3 complex subunit 2 34kDa	BF032998	<a href="#">10109</a>	1.7
CAPZA2	Capping protein muscle Z-line alpha 2	NM_006136	<a href="#">830</a>	1.6
DNCL1	Dynein cytoplasmic light polypeptide 1	BQ053182	<a href="#">8655</a>	1.6
MYBPC1	Myosin binding protein C slow type	BF516586	<a href="#">4604</a>	-2.6
KRT15	Keratin 15	BT007261	<a href="#">3866</a>	-16.6
<b>TRANSCRIPTION REGULATION</b>				
HIRIP3	HIRA interacting protein 3	NM_003609	<a href="#">8479</a>	2.1
PC4	Activated RNA polymerase II transcription cofactor 4	CN353311	<a href="#">10923</a>	1.9
HMGB1	High-mobility group box 1	BX422156	<a href="#">3146</a>	1.7
NSEP1	Nuclease sensitive element binding protein 1	CD249962	<a href="#">4904</a>	1.6
TCEA1	Transcription elongation factor A 1	X62585	<a href="#">6917</a>	1.6
JUNB	Jun B proto-oncogene	CD364940	<a href="#">3726</a>	-1.8
ID3	Inhibitor of DNA binding 3 dominant negative helix-loop-helix protein	CR623483	<a href="#">3399</a>	-2.6
<b>TRANSLATION - PROTEIN SYNTHESIS</b>				
LOC388817	Peptidylprolyl isomerase A-like	BM972350	<a href="#">388817</a>	1.8
SERP1	Stress-associated endoplasmic reticulum protein 1	AI136807	<a href="#">27230</a>	1.8
EIF4A1	Eukaryotic translation initiation factor 4A isoform 1	BQ641880	<a href="#">1973</a>	1.7
CD63	CD63 antigen	M58485	<a href="#">967</a>	1.7
VBP1	Von Hippel-Lindau binding protein 1	BI544456	<a href="#">7411</a>	1.6
RPL13	Ribosomal protein L13	AW027288	<a href="#">6137</a>	-1.4
<b>TRANSPORT</b>				
KCTD12	Potassium channel tetramerisation domain containing 12	NM_138444	<a href="#">115207</a>	2.6
AP3S1	Adaptor-related protein complex 3 sigma 1 subunit	BU195783	<a href="#">1176</a>	1.7
SEC14L1	SEC14-like 1	CB851323	<a href="#">6397</a>	1.7
ENSA	Endosulfine alpha	BX447080	<a href="#">2029</a>	1.7
ARF3	ADP-ribosylation factor 3	M74491	<a href="#">377</a>	1.6
SLC22A3	Solute carrier family 22 member 3	CR619195	<a href="#">6581</a>	-2.9
<b>OTHER / UNKNOWN</b>				
FLJ12806	Hypothetical protein FLJ12806	AL833718	<a href="#">64853</a>	2.3
FCGR3B	Fc fragment of IgG low affinity IIIb receptor for (CD16)	CR599546	<a href="#">2215</a>	2.2
FLJ35093	FLJ35093 protein	AU131144	<a href="#">374886</a>	2.0
KIAA0103	KIAA0103	NM_014673	<a href="#">9694</a>	1.9
HSPC152	Hypothetical protein HSPC152	BU543616	<a href="#">51504</a>	1.7
C20orf45	Chromosome 20 open reading frame 45	BQ951436	<a href="#">51012</a>	1.7
C14orf87	Chromosome 14 open reading frame 87	BC071690	<a href="#">51218</a>	1.6