Supplemental tables

Top Ten Downregulated Proteins in ALDH ^{high} cells					
Abbreviation	Full Name	Subcellular location	Fold change	p value	
VTN	vitronectin	Extracellular Space	-6.995	0.008	
HBB	hemoglobin subunit beta	Cytoplasm	-6.130	0.004	
HBA2	hemoglobin subunit alpha 2	Extracellular Space	-4.104	0.014	
SUGP1	SURP and G-patch domain containing 1	Nucleus	-1.650	0.017	
PARL	presenilin associated rhomboid like	Cytoplasm	-1.445	0.006	
GHITM	growth hormone inducible transmembrane protein	Cytoplasm	-1.426	0.041	
MOCS3	molybdenum cofactor synthesis 3	Cytoplasm	-1.412	0.011	
VKORC1	vitamin K epoxide reductase complex subunit 1	Cytoplasm	-1.402	0.043	
ERCC2	ERCC excision repair 2, TFIIH core complex helicase subunit	Nucleus	-1.388	0.001	
XPC	XPC complex subunit, DNA damage recognition and repair factor	Nucleus	-1.373	0.019	
Top Ten Upregulated Proteins in ALDH ^{high} cells					
Abbreviation	Full Name	Location	Fold change	p value	
TIMM9	translocase of inner mitochondrial membrane 9	Cytoplasm	2.158	0.019	
PEX19	peroxisomal biogenesis factor 19	Cytoplasm	1.707	0.012	
SF3B5	splicing factor 3b subunit 5	Nucleus	1.430	0.012	
WDCP	WD repeat and coiled coil containing	Other	1.418	0.001	
DPY30	dpy-30 histone methyltransferase complex regulatory subunit	Nucleus	1.391	0.025	
MPG	N-methylpurine DNA glycosylase	Nucleus	1.340	0.012	
COX5A	cytochrome c oxidase subunit 5A	Cytoplasm	1.283	0.006	
CCDC50	coiled-coil domain containing 50	Cytoplasm	1.264	0.033	
JPT1	Jupiter microtubule associated homolog 1	Nucleus	1.263	0.011	
ARPC5	actin related protein 2/3 complex subunit 5	Cytoplasm	1.234	0.008	

Table S1. Top ten upregulated and downregulated DEPs in ALDH^{high} cells

Differentially expressed proteins (DEPs) in ALDH^{high} cells (relative to ALDH^{low} cells) were identified using a two-tailed Student's unpaired t-test, with a cutoff p value < 0.05. The differential abundance of proteins was expressed by the fold change, which was calculated based on the ratio of the protein abundance in ALDH^{high} cells versus that in ALDH^{low} cells. Fold changes of up-regulated proteins are positive numbers, whereas the fold changes of down-regulated proteins are negative numbers. Top ten upregulated and downregulated proteins were ranked based on fold change value.

Abbreviations	Full Name	
AGPAT5	1-acylglycerol-3-phosphate O-acyltransferase 5	
ALDH	Aldehyde dehydrogenase	
ARG2	arginase 2	
ATP5F1C	ATP synthase F1 subunit gamma	
ATP5MG	ATP synthase membrane subunit g	
CDIPT	CDP-diacylglycerolinositol 3-phosphatidyltransferase	
COX15	cytochrome c oxidase assembly homolog COX15	
COX5A	cytochrome c oxidase subunit 5A	
CRC	colorectal cancer cells	
CSC	colon stem cell	
CYB5B	cytochrome b5 type B	
DBI	diazepam binding inhibitor, acyl-CoA binding protein	
DEPs	Differentially expressed proteins	
DHODH	dihydroorotate dehydrogenase (quinone)	
DOCK9	dedicator of cytokinesis 9	
ERCC2	ERCC excision repair 2, TFIIH core complex helicase subunit	
ETC	mitochondrial electron transport chain	
FDR	false discovery rate	
GO	Gne Ontology	
HBA2	hemoglobin subunit alpha 2	
HBB	hemoglobin subunit beta	
HEBP2	heme binding protein 2	
IPA	Ingenuity pathway analysis	
KRT1	keratin 1	
KRT10	keratin 10	
KRT2	keratin 2	
KRT9	keratin 9	
LIG3	DNA ligase 3	
NCSTN	nicastrin	
NDUFB1	NADH:ubiquinone oxidoreductase subunit B1	
NDUFB5	NADH:ubiquinone oxidoreductase subunit B5	
NDUFB6	NADH:ubiquinone oxidoreductase subunit B6	
NDUFS3	NADH:ubiquinone oxidoreductase core subunit S3	
NDUFS8	NADH:ubiquinone oxidoreductase core subunit S8	
NER	nucleotide excision repair	
PAM16	presequence translocase associated motor 16	

Table S2. Abbreviation list

PARL	presenilin associated rhomboid like	
PEX11B	peroxisomal biogenesis factor 11 beta	
PEX19	peroxisomal biogenesis factor 19	
PLK1	polo like kinase 1	
POLD2	DNA polymerase delta 2, accessory subunit	
POLE3	DNA polymerase epsilon 3, accessory subunit	
POLR1A	RNA polymerase I subunit A	
POLR2A	RNA polymerase II subunit A	
PRDX3	peroxiredoxin 3	
PSAP	prosaposin	
ROS	reactive oxygen species	
SLC25A5	solute carrier family 25 member 5	
SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of	
	chromatin, subfamily a, member 5	
STAT3	signal transducer and activator of transcription 3	
SUGP1	SURP and G-patch domain containing 1	
TIMM13	translocase of inner mitochondrial membrane 13	
TIMM23	translocase of inner mitochondrial membrane 23	
TIMM9	translocase of inner mitochondrial membrane 9	
VDAC1	voltage dependent anion channel 1	
VDAC3	voltage dependent anion channel 3	
VTN	vitronectin	
XAB2	XPA binding protein 2	
XPC	XPC complex subunit, DNA damage recognition and repair factor	