

**Additional file 1:** Functional profiling of the genes reported to be differentially expressed in HL and ALCL cell lines

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<b>Gene ID</b>	<b>Gene Name</b>
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**Zinc ion binding (10)**

ZCCHC2	zinc finger, CCHC domain containing 2
ZNF516	zinc finger protein 516
DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
UHRF2	ubiquitin-like, containing PHD and RING finger domains, 2
DTX3	deltex 3 homolog (Drosophila)
RASA3	RAS p21 protein activator 3
ZFP64	zinc finger protein 64 homolog (mouse)
DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related)
GTF3A	General transcription factor IIIA
ING3	inhibitor of growth family, member 3

**Transferase activity (13)**

AK3L1	adenylate kinase 3-like 1
TPST1	tyrosylprotein sulfotransferase 1
MTR	5-methyltetrahydrofolate-homocysteine methyltransferase
TBK1	TANK-binding kinase 1
JAK2	Janus kinase 2 (a protein tyrosine kinase)
ATM	ataxia telangiectasia mutated (includes complementation groups A, C)
STK24	serine/threonine kinase 24 (STE20 homolog, yeast)
NEK7	NIMA (never in mitosis gene a)-related kinase 7
CDK6	cyclin-dependent kinase 6
PNPT1	polyribonucleotide nucleotidyltransferase 1
TLK1	tousled-like kinase 1
LOC196541	Hypothetical protein LOC196541
PAN3	PAN3 polyA specific ribonuclease subunit homolog (S. cerevisiae)

**Transcription factor activity (9)**

NFE2L2	nuclear factor (erythroid-derived 2)-like 2
DDIT3	DNA-damage-inducible transcript 3
MYOG	myogenin (myogenic factor 4)
STAT1	signal transducer and activator of transcription 1, 91kDa
MYC	v-myc myelocytomatosis viral oncogene homolog (avian)
REL	v-rel reticuloendotheliosis viral oncogene homolog (avian)
TFAP2C	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)
HOXC5	homeobox C5
HOXC4	homeobox C4

## Additional file 1 (continued)

Gene ID	Gene Name
<b>Signal transducer activity (7)</b>	
STAT1	signal transducer and activator of transcription 1, 91kDa
GNAS	GNAS complex locus
REL	v-rel reticuloendotheliosis viral oncogene homolog (avian)
TBK1	TANK-binding kinase 1
GNG4	guanine nucleotide binding protein (G protein), gamma 4
RGS1	regulator of G-protein signalling 1
RGS2	regulator of G-protein signalling 2, 24kDa
<b>Protein serine/threonine kinase activity (6)</b>	
ATM	ataxia telangiectasia mutated (includes complementation groups A, C
CDK6	cyclin-dependent kinase 6
NEK7	NIMA (never in mitosis gene a)-related kinase 7
TLK1	tousled-like kinase 1
TBK1	TANK-binding kinase 1
STK24	serine/threonine kinase 24 (STE20 homolog, yeast)
<b>Protein binding (27)</b>	
PARD6G	par-6 partitioning defective 6 homolog gamma (C. elegans)
CTNND2	catenin (cadherin-associated protein), delta 2 (neural
UHRF2	ubiquitin-like, containing PHD and RING finger domains, 2
XPO1	exportin 1 (CRM1 homolog, yeast)
NARG1L	NMDA receptor regulated 1-like
RHOBTB3	Rho-related BTB domain containing 3
DTX3	deltex 3 homolog (Drosophila)
ING3	inhibitor of growth family, member 3
SNAP25	synaptosomal-associated protein, 25kDa
RCBTB1	regulator of chromosome condensation (RCC1) and BTB (POZ) domain
PCNA	proliferating cell nuclear antigen
CDK6	cyclin-dependent kinase 6
TNFAIP6	tumor necrosis factor, alpha-induced protein 6
TH1L	TH1-like (Drosophila)
VPS4B	vacuolar protein sorting 4 homolog B (S. cerevisiae)
ITGB6	integrin, beta 6
KBTBD6	kelch repeat and BTB (POZ) domain containing 6
HSPB1	heat shock 27kDa protein 1
FKBP1A	FK506 binding protein 1A, 12kDa
BRCA2	breast cancer 2, early onset
CDH4	cadherin 4, type 1, R-cadherin (retinal)
RAD21	RAD21 homolog (S. pombe)
PRSS3	protease, serine, 3 (mesotrypsin)
STAT1	signal transducer and activator of transcription 1, 91kDa
MYC	v-myc myelocytomatosis viral oncogene homolog (avian)
ATM	ataxia telangiectasia mutated (includes complementation groups A, C
ATP5E	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon

## Additional file 1 (continued)

Gene ID	Gene Name
<b>Nucleotide binding (17)</b>	
AK3L1	adenylate kinase 3-like 1
DNAH5	dynein, axonemal, heavy polypeptide 5
GNAS	GNAS complex locus
LEMD3	LEM domain containing 3
TBK1	TANK-binding kinase 1
JAK2	Janus kinase 2 (a protein tyrosine kinase)
MSH6	mutS homolog 6 (E. coli)
STK24	serine/threonine kinase 24 (STE20 homolog, yeast)
NEK7	NIMA (never in mitosis gene a)-related kinase 7
CDK6	cyclin-dependent kinase 6
TLK1	tousled-like kinase 1
MYO10	myosin X
DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
RBMS1	RNA binding motif, single stranded interacting protein 1
VPS4B	Vacuolar protein sorting 4 homolog B (S. cerevisiae)
PAN3	PAN3 polyA specific ribonuclease subunit homolog (S. cerevisiae)
<b>Metal ion binding (12)</b>	
ZCCHC2	zinc finger, CCHC domain containing 2
ZNF516	zinc finger protein 516
MTR	5-methyltetrahydrofolate-homocysteine methyltransferase
DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
UHRF2	ubiquitin-like, containing PHD and RING finger domains, 2
ATP5E	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, epsilon
DTX3	deltex 3 homolog (Drosophila)
RASA3	RAS p21 protein activator 3
ZFP64	zinc finger protein 64 homolog (mouse)
DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related)
GTF3A	General transcription factor IIIA
ING3	inhibitor of growth family, member 3
<b>Hydrolase activity (8)</b>	
DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4
ATP5E	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, epsilon
NUDT15	nudix (nucleoside diphosphate linked moiety X)-type motif 15
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
EYA2	eyes absent homolog 2 (Drosophila)
PIGN	phosphatidylinositol glycan, class N
PRSS1	protease, serine, 1 (trypsin 1)
ACOT12	Acyl-CoA thioesterase 12
<b>DNA binding (8)</b>	
ATM	ataxia telangiectasia mutated (includes complementation groups A, C)
RBMS1	RNA binding motif, single stranded interacting protein 1
ZFP64	zinc finger protein 64 homolog (mouse)

## Additional file 1 (continued)

Gene ID	Gene Name
PCNA	proliferating cell nuclear antigen
UHRF2	ubiquitin-like, containing PHD and RING finger domains, 2
MTERF	mitochondrial transcription termination factor
GTF3A	General transcription factor IIIA
ZNF516	zinc finger protein 516
<b>Calcium ion binding (8)</b>	
STAT1	signal transducer and activator of transcription 1, 91kDa
GCA	grancalcin, EF-hand calcium binding protein
PRSS3	protease, serine, 3 (mesotrypsin)
SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12
HGF	hepatocyte growth factor (hepapoietin A; scatter factor)
PRSS2	protease, serine, 2 (trypsin 2)
CDH4	cadherin 4, type 1, R-cadherin (retinal)
PRSS1	protease, serine, 1 (trypsin 1)
<b>ATP binding (15)</b>	
AK3L1	adenylate kinase 3-like 1
DNAH5	dynein, axonemal, heavy polypeptide 5
TBK1	TANK-binding kinase 1
JAK2	Janus kinase 2 (a protein tyrosine kinase)
MSH6	mutS homolog 6 (E. coli)
STK24	serine/threonine kinase 24 (STE20 homolog, yeast)
NEK7	NIMA (never in mitosis gene a)-related kinase 7
CDK6	cyclin-dependent kinase 6
TLK1	tousled-like kinase 1
MYO10	myosin X
DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4
VPS4B	vacuolar protein sorting 4 homolog B (S. cerevisiae)
PAN3	PAN3 polyA specific ribonuclease subunit homolog (S. cerevisiae)
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
ACOT12	Acyl-CoA thioesterase 12
<b>Binding (5)</b>	
RTTN	rotatin
KIAA0372	Hypothetical protein KIAA0372
RANBP6	RAN binding protein 6
SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12
APRIN	androgen-induced proliferation inhibitor
<b>Nucleic acid binding (5)</b>	
ZCCHC2	zinc finger, CCHC domain containing 2
DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4
ZFP64	zinc finger protein 64 homolog (mouse)
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
BRCA2	breast cancer 2, early onset

## Additional file 1 (continued)

Gene ID	Gene Name
<b>Peptidase activity (5)</b>	
USP15	ubiquitin specific peptidase 15
PRSS3	protease, serine, 3 (mesotrypsin)
CTSE	cathepsin E
PRSS2	protease, serine, 2 (trypsin 2)
PRSS1	protease, serine, 1 (trypsin 1)
<b>RNA binding (5)</b>	
RBMS1	RNA binding motif, single stranded interacting protein 1
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
PNPT1	polyribonucleotide nucleotidyltransferase 1
XPO1	exportin 1 (CRM1 homolog, yeast)
GTF3A	General transcription factor IIIA
<b>Unfolding protein binding (4)</b>	
TBCE	tubulin-specific chaperone e
TBCA	tubulin-specific chaperone a
CRYAB	crystallin, alpha B
DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
<b>Receptor Activity (4)</b>	
ITGB6	integrin, beta 6
LY75	lymphocyte antigen 75
FKBP1A	FK506 binding protein 1A, 12kDa
OPN3	opsin 3 (encephalopsin, panopsin)
<b>Sequence-specific DNA binding (4)</b>	
DDIT3	DNA-damage-inducible transcript 3
HOXC5	homeobox C5
HOXC4	homeobox C4
NFE2L2	nuclear factor (erythroid-derived 2)-like 2
<b>Structural constituent of ribosome (4)</b>	
RPS27A	ribosomal protein S27a
KIAA0372	Hypothetical protein KIAA0372
RPS23	ribosomal protein S23
RPS6	ribosomal protein S6
<b>Transporter activity (4)</b>	
SLC2A10	solute carrier family 2 (facilitated glucose transporter), member 10
TM9SF2	transmembrane 9 superfamily member 2
SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12
ATP5G3	ATP synthase, H <sup>+</sup> transporting, mitochondrial F <sub>0</sub> complex, subunit C3

## Additional file 1 (continued)

Gene ID	Gene Name
<b>Trypsin activity (3)</b>	
PRSS1	protease, serine, 1 (trypsin 1)
PRSS2	protease, serine, 2 (trypsin 2)
PRSS3	protease, serine, 3 (mesotrypsin)
<b>Protein-tyrosine kinase activity (3)</b>	
JAK2	Janus kinase 2 (a protein tyrosine kinase)
NEK7	NIMA (never in mitosis gene a)-related kinase 7
STK24	serine/threonine kinase 24 (STE20 homolog, yeast)
<b>Magnesium ion binding (3)</b>	
NEK7	NIMA (never in mitosis gene a)-related kinase 7
NUDT15	nudix (nucleoside diphosphate linked moiety X)-type motif 15
EYA2	eyes absent homolog 2 (Drosophila)
<b>GTPase activator activity (3)</b>	
RASA3	RAS p21 protein activator 3
RGS1	regulator of G-protein signalling 1
RGS2	regulator of G-protein signalling 2, 24kDa
<b>ATP-dependent helicase activity (3)</b>	
DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
INTS6	integrator complex subunit 6
<b>Calmodulin binding (2)</b>	
RGS1	regulator of G-protein signalling 1
RGS2	regulator of G-protein signalling 2, 24kDa
<b>Chaperone binding (2)</b>	
TBCE	tubulin-specific chaperone e
TBCA	tubulin-specific chaperone a
<b>Double-stranded DNA binding (2)</b>	
RBMS1	RNA binding motif, single stranded interacting protein 1
MTERF	mitochondrial transcription termination factor
<b>GTP binding (3)</b>	
AK3L1	adenylate kinase 3-like 1
GNAS	GNAS complex locus
ARL15	ADP-ribosylation factor-like 15
<b>GTPase activity (2)</b>	
GNAS	GNAS complex locus
RHOBTB3	Rho-related BTB domain containing 3

## Additional file 1 (continued)

Gene ID	Gene Name
<b>Hydrogen-transporting ATP/ase synthase activity, rotational mechanism (2)</b>	
ATP5E	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon
ATP5G3	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C3
<b>Identical protein binding (2)</b>	
BCL2	B-cell CLL/lymphoma 2
CLDN4	Claudin 4
<b>Isomerase activity (2)</b>	
DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related
FKBP1A	FK506 binding protein 1A, 12kDa
<b>Kinase activity (2)</b>	
AK3L1	adenylate kinase 3-like 1
STK24	serine/threonine kinase 24 (STE20 homolog, yeast)
<b>Protein dimerization activity (2)</b>	
DDIT3	DNA-damage-inducible transcript 3
NFE2L2	nuclear factor (erythroid-derived 2)-like 2
<b>Receptor binding (2)</b>	
JAK2	Janus kinase 2 (a protein tyrosine kinase)
ANGPTL1	angiopoietin-like 1
<b>Serine-type endopeptidase activity (2)</b>	
PRSS3	protease, serine, 3 (mesotrypsin)
HGF	hepatocyte growth factor (hepapoietin A; scatter factor)
<b>Single-stranded DNA binding (2)</b>	
RBMS1	RNA binding motif, single stranded interacting protein 1
BRCA2	breast cancer 2, early onset
<b>Structural molecule activity (2)</b>	
CTNND2	catenin (cadherin-associated protein), delta 2 (neural
CLDN4	Claudin 4
<b>Sugar binding (2)</b>	
LY75	lymphocyte antigen 75
LGALS8	lectin, galactoside-binding, soluble, 8 (galectin 8)
<b>3'-5'-exoribonuclease activity</b>	
PNPT1	polyribonucleotide nucleotidyltransferase 1
<b>Acetyltransferase activity</b>	
NARG1L	NMDA receptor regulated 1-like

## Additional file 1 (continued)

Gene ID	Gene Name
<b>Actin binding</b>	
MYO10	myosin X
<b>Adenylate kinase activity</b>	
AK3L1	adenylate kinase 3-like 1
<b>Aminopeptidase activity</b>	
DPP4	dipeptidyl-peptidase 4 (CD26, adenosine deaminase complexing protein)
<b>ATPase activity</b>	
DNAH5	dynein, axonemal, heavy polypeptide 5
<b>ATPase activity, coupled</b>	
VPS4B	vacuolar protein sorting 4 homolog B ( <i>S. cerevisiae</i> )
<b>Catalytic activity</b>	
EYA2	eyes absent homolog 2 ( <i>Drosophila</i> )
<b>Cathepsin E activity</b>	
CTSE	cathepsin E
<b>Cobalamin binding/ Cobalt ion binding</b>	
MTR	5-methyltetrahydrofolate-homocysteine methyltransferase
<b>Copper ion binding</b>	
DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related)
<b>Cysteine-type endopeptidase activity</b>	
USP15	ubiquitin specific peptidase 15
<b>Damaged DNA binding</b>	
MSH6	mutS homolog 6 ( <i>E. coli</i> )
<b>Dihydropteroate synthase activity</b>	
MTR	5-methyltetrahydrofolate-homocysteine methyltransferase
<b>Dipeptidyl-peptidase IV activity</b>	
DPP4	dipeptidyl-peptidase 4 (CD26, adenosine deaminase complexing protein)
<b>DNA polymerase processivity factor activity</b>	
PCNA	proliferating cell nuclear antigen
<b>Dopachrome isomerase activity</b>	
DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related)



## Additional file 1 (continued)

Gene ID	Gene Name
<b>Ephrin receptor binding</b>	
EFNB2	ephrin-B2
<b>G-protein coupled photoreceptor activity</b>	
OPN3	opsin 3 (encephalopsin, panopsin)
<b>Growth factor activity</b>	
HGF	hepatocyte growth factor (hepapoietin A; scatter factor)
<b>Guanyl nucleotide binding</b>	
GNAS	GNAS complex locus
<b>Heat shock protein binding</b>	
DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
<b>Hematopoietin/interferon-class (D200 domain) cytokine receptor signal transducer activity</b>	
STAT1	signal transducer and activator of transcription 1, 91kDa
<b>Homocysteine S-methyltransferase activity</b>	
MTR	5-methyltetrahydrofolate-homocysteine methyltransferase
<b>Hyaluronic acid binding</b>	
TNFAIP6	tumor necrosis factor, alpha-induced protein 6
<b>Janus kinase activity</b>	
JAK2	Janus kinase 2 (a protein tyrosine kinase)
<b>Ligase activity</b>	
UHRF2	ubiquitin-like, containing PHD and RING finger domains, 2
<b>Lipid binding</b>	
ATP5G3	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit C3
<b>Low-density lipoprotein receptor binding</b>	
DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
<b>Manganese ion binding</b>	
NUDT15	nudix (nucleoside diphosphate linked moiety X)-type motif 15
<b>Methionine synthase/ Methyltransferase activity</b>	
MTR	5-methyltetrahydrofolate-homocysteine methyltransferase
<b>Microtubule motor activity</b>	
DNAH5	dynein, axonemal, heavy polypeptide 5

## Additional file 1 (continued)

Gene ID	Gene Name
<b>Motor activity</b>	
MYO10	myosin X
<b>Neutral amino acid transporter activity</b>	
SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4
<b>Oxidoreductase activity</b>	
DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related
<b>Pepsin A activity</b>	
CTSE	cathepsin E
<b>Peptidyl-prolyl cis-trans isomerase activity</b>	
FKBP1A	FK506 binding protein 1A, 12kDa
<b>Polyribonucleotide nucleotidyltransferase activity</b>	
PNPT1	polyribonucleotide nucleotidyltransferase 1
<b>Prolyl oligopeptidase activity</b>	
DPP4	dipeptidyl-peptidase 4 (CD26, adenosine deaminase complexing protein
<b>Protein kinase activity</b>	
PAN3	PAN3 polyA specific ribonuclease subunit homolog (S. cerevisiae)
<b>Protein transporter activity</b>	
XPO1	exportin 1 (CRM1 homolog, yeast)
<b>Protein tyrosine phosphatase activity</b>	
EYA2	eyes absent homolog 2 (Drosophila)
<b>Protein tyrosine sulfotransferase activity</b>	
TPST1	tyrosylprotein sulfotransferase 1
<b>Rhodopsin-like receptor activity</b>	
OPN3	opsin 3 (encephalopsin, panopsin)
<b>Ribosome binding</b>	
NARG1L	NMDA receptor regulated 1-like
<b>RNA helicase activity</b>	
DDX6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6
<b>RNA polymerase III transcription factor activity</b>	
GTF3A	General transcription factor IIIA
<b>RNA splicing factor activity, transesterification mechanism</b>	
TXNL4A	thioredoxin-like 4A

## Additional file 1 (continued)

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Gene ID	Gene Name
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### RNA-3'-phosphate cyclase activity

RCL1	RNA terminal phosphate cyclase-like 1
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### S-adenosylmethionine-dependent methyltransferase activity

LOC196541	Hypothetical protein LOC196541
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### Serine-type endopeptidase inhibitor activity

NFE2L2	nuclear factor (erythroid-derived 2)-like 2
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### SH2 domain binding

JAK2	Janus kinase 2 (a protein tyrosine kinase)
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### Table 3 (continued)

### Sodium:dicarboxylate symporter activity

SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4
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### Solute:cation symporter activity

SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12
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### Structural constituent of eye lens

CRYAB	crystallin, alpha B
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### Sugar porter activity

SLC2A10	solute carrier family 2 (facilitated glucose transporter), member 10
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### Symporter activity

SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4
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### Syntaxin-1 binding

SNPH	syntaphilin
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### Transcription corepressor activity

DDIT3	DNA-damage-inducible transcript 3
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### Transcription termination factor activity

MTERF	mitochondrial transcription termination factor
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### Translation initiation factor activity

MTIF3	mitochondrial translational initiation factor 3
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### Transmembrane receptor activity

CLDN4	Claudin 4
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### Ubiquitin thiolesterase activity

USP15	ubiquitin specific peptidase 15
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## Additional file 1 (continued)

Gene ID	Gene Name
<b>Cytokine activity</b>	
CMTM3	CKLF-like MARVEL transmembrane domain containing 3
<b>Serine esterase activity</b>	
ACOT12	Acyl-CoA thioesterase 12
<b>Transmembrane receptor activity</b>	
INTS6	integrator complex subunit 6
<b>Unknown function (33)</b>	
SPAG4L	sperm associated antigen 4-like
BBS5	Bardet-Biedl syndrome 5
UFM1	ubiquitin-fold modifier 1
SERINC3	serine incorporator 3
THRAP6	thyroid hormone receptor associated protein 6
PDGFD	platelet derived growth factor D
SCRN3	secernin 3
LHX4	LIM homeobox 4
TRY6	Trypsinogen C
DNCL12	DNCL12
CIRH1A	cirrhosis, autosomal recessive 1A (cirhin)
SERINC5	serine incorporator 5
DCC1	defective in sister chromatid cohesion homolog 1 ( <i>S. cerevisiae</i> )
DCL-1	type I transmembrane C-type lectin receptor
KRT71	keratin 71
C20orf52	chromosome 20 open reading frame 52, nuclear gene encoding mitochondrial protein
DEPDC6	DEP domain containing 6
DZI	DZI
IFT74	intraflagellar transport 74 homolog ( <i>Chlamydomonas</i> )
C9orf46	chromosome 9 open reading frame 46
GPC5	glypican 5
NID	NID
C9orf123	chromosome 9 open reading frame 123
PCTRK3	PCTRK3
PNF2	PNF2
FLJ25715	hypothetical protein FLJ25715
CCDC104	coiled-coil domain containing 104
MLANA	melan-A
C13orf1	chromosome 13 open reading frame 1
BMO39	BMO39
MTX2	metaxin 2
MED10	mediator of RNA polymerase II transcription, subunit 10 homolog (NUT2, <i>S. cerevisiae</i> )
ANKRD32	ankyrin repeat domain 32