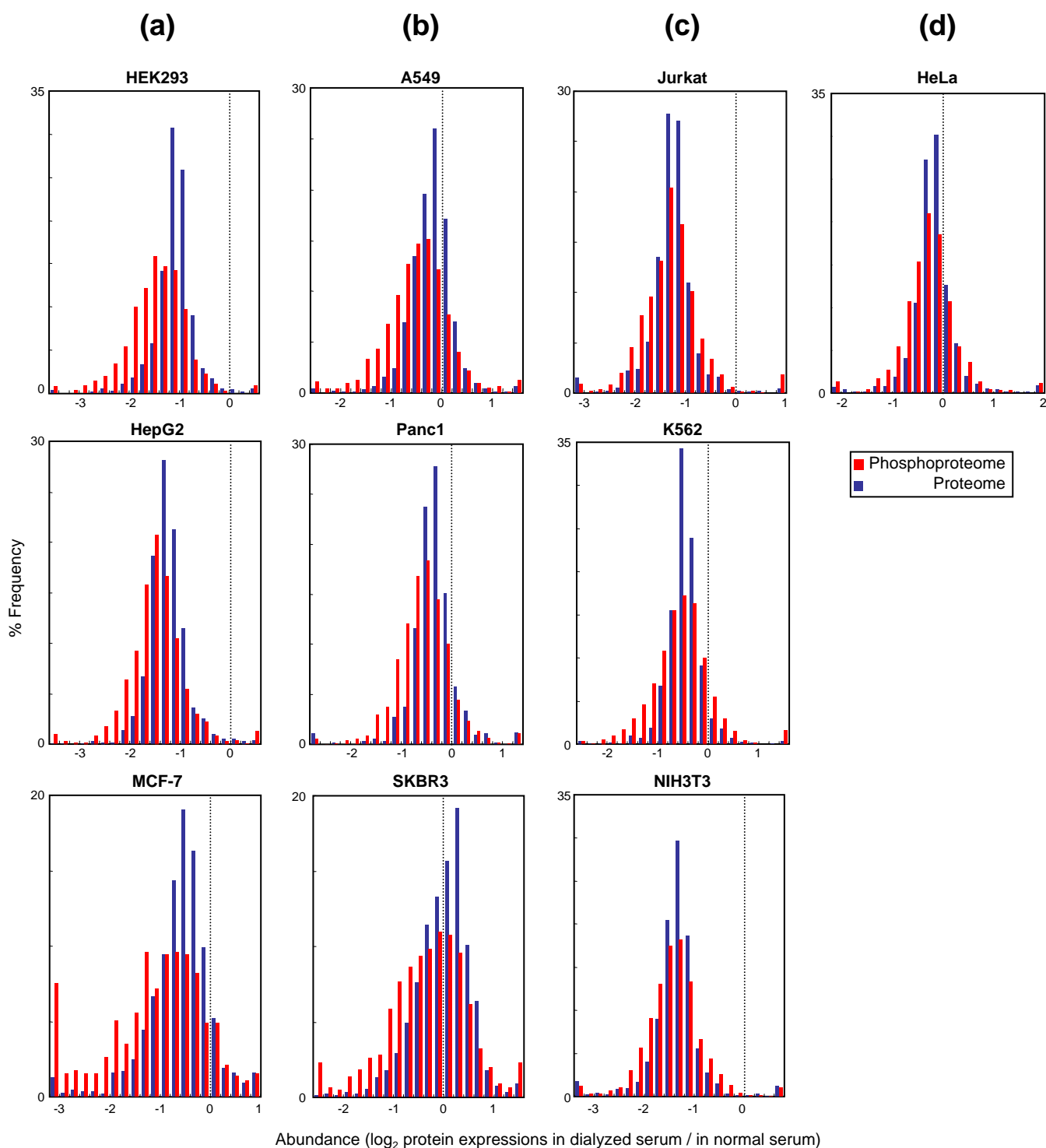


	Gene name	Protein name	Fraction	MCF7	HeLa	SKBR3	HEK293	K562	Jurkat	A549	NIH3T3	HepG2	Panc1
Essential proteins	ACTB	Actin, cytoplasmic 1	supernatant										
	H2AFV	Histone H2A.V	pellet										
	HIST1H4A	Histone H4	pellet										
	HSP90AA1	Heat shock protein HSP 90-alpha	supernatant										
	HSPD1	60 kDa heat shock protein, mitochondrial	supernatant										
TUBA1B	Tubulin alpha-1B chain	supernatant											
Signaling-related proteins	CDK6	Cell division protein kinase 6	supernatant										
	CKS1B	Cyclin-dependent kinases regulatory subunit 1	supernatant										
	CLK3	Dual specificity protein kinase CLK3	pellet										
	CSNK1A1	Casein kinase I isoform alpha	pellet										
	CSNK1A1L	Casein kinase I isoform alpha-like	pellet										
	FASTKD2	FAST kinase domain-containing protein 2	supernatant										
	MAP2K1	Dual specificity mitogen-activated protein kinase kinase 1	supernatant										
	PRPF4B	Serine/threonine-protein kinase PRP4 homolog	pellet										
	SLK	STE20-like serine/threonine-protein kinase	supernatant										
	SYK	Tyrosine-protein kinase SYK	supernatant										
	ACP1	Low molecular weight phosphotyrosine protein phosphatase	supernatant										
	PPM1E	Protein phosphatase 1E	supernatant										
	PPM1G	Protein phosphatase 1G	supernatant										
	PPP1CA	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	supernatant										
	PPP1CA	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	pellet										
	PPP1R12A	Protein phosphatase 1 regulatory subunit 12A	pellet										
	PPP1R7	Protein phosphatase 1 regulatory subunit 7	supernatant										
	PPP2R1A	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha	supernatant										
	PPP2R1A	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha	pellet										
	PTPLAD1	Protein tyrosine phosphatase-like protein PTPLAD1	supernatant										
	PTPLAD1	Protein tyrosine phosphatase-like protein PTPLAD1	pellet										
	SAPS2	Serine/threonine-protein phosphatase 6 regulatory subunit 2	pellet										
	SAPS3	Serine/threonine-protein phosphatase 6 regulatory subunit 3	supernatant										
	SFN	14-3-3 protein sigma	supernatant										
	SFN	14-3-3 protein sigma	pellet										
	YWHAB	14-3-3 protein beta/alpha	pellet										
	YWHAE	14-3-3 protein epsilon	pellet										
	YWHAG	14-3-3 protein gamma	supernatant										
	YWHAH	14-3-3 protein eta	supernatant										
	YWHAH	14-3-3 protein eta	pellet										
	PGRMC1	Membrane-associated progesterone receptor component 1	supernatant										
	PGRMC2	Membrane-associated progesterone receptor component 2	supernatant										
	THRAP3	Thyroid hormone receptor-associated protein 3	pellet										
	PHB	Prohibitin	supernatant										
	PHB	Prohibitin	pellet										
PHB2	Repressor of estrogen receptor activity	supernatant											
PHB2	Repressor of estrogen receptor activity	pellet											
CALR	Calreticulin	pellet											
GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	supernatant											
GNB2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	pellet											
GNB4	Guanine nucleotide-binding protein subunit beta-4	pellet											
AHSG	Alpha-2-HS-glycoprotein	supernatant											
ARF5	ADP-ribosylation factor 5	supernatant											
CHORDC1	Cysteine and histidine-rich domain-containing protein 1	supernatant											
CHORDC1	Cysteine and histidine-rich domain-containing protein 1	supernatant											
GAB1	GRB2-associated-binding protein 1	supernatant											
KHDRBS1	p21 Ras GTPase-activating protein-associated p62	pellet											
PDCD6	Programmed cell death protein 6	supernatant											
RANGAP1	Ran GTPase-activating protein 1	pellet											
TACSTD1	Tumor-associated calcium signal transducer 1	supernatant											
Metabolic enzymes and related proteins	SLC25A5	ADP/ATP translocase 2	supernatant										
	SLC25A5	ADP/ATP translocase 2	pellet										
	SLC25A6	ADP/ATP translocase 3	supernatant										
	SLC25A6	ADP/ATP translocase 3	pellet										
	ATP5A1	ATP synthase subunit alpha, mitochondrial	pellet										
	ATP5B	ATP synthase subunit beta, mitochondrial	pellet										
	ATP5D	ATP synthase subunit delta, mitochondrial	supernatant										
	ATP5J2	ATP synthase subunit f, mitochondrial	pellet										
	ATP5O	ATP synthase subunit, mitochondrial	pellet										
	UQCRC1	Cytochrome b-c1 complex subunit 1, mitochondrial	supernatant										
	UQCRC1	Cytochrome b-c1 complex subunit 1, mitochondrial	pellet										
	UQCRC2	Cytochrome b-c1 complex subunit 2, mitochondrial	supernatant										
	UQCRC2	Cytochrome b-c1 complex subunit 2, mitochondrial	pellet										
	UQCRCR	Cytochrome b-c1 complex subunit 6, mitochondrial	supernatant										
	UQCRCR	Cytochrome b-c1 complex subunit 6, mitochondrial	pellet										
	UQCRCB	Cytochrome b-c1 complex subunit 7	supernatant										
	UQCRCB	Cytochrome b-c1 complex subunit 7	pellet										
	COX5A	Cytochrome c oxidase subunit 5A, mitochondrial	supernatant										
	COX5A	Cytochrome c oxidase subunit 5A, mitochondrial	pellet										
	COX6B1	Cytochrome c oxidase subunit VIb isoform 1	supernatant										
	COX6B1	Cytochrome c oxidase subunit VIb isoform 1	pellet										
	VDAC1	Voltage-dependent anion-selective channel protein 1	supernatant										
	VDAC1	Voltage-dependent anion-selective channel protein 1	pellet										
	VDAC2	Voltage-dependent anion-selective channel protein 2	supernatant										
	VDAC2	Voltage-dependent anion-selective channel protein 2	pellet										
	VDAC3	Voltage-dependent anion-selective channel protein 3	pellet										
	ECHS1	Enoyl-CoA hydratase, mitochondrial	supernatant										
	NDUFA8	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8	pellet										
	SLC25A3	Phosphate carrier protein, mitochondrial	pellet										
	SLC25A1	Tricarboxylate transport protein, mitochondrial	supernatant										
	SLC25A1	Tricarboxylate transport protein, mitochondrial	pellet										
	HADHA	Trifunctional enzyme subunit alpha, mitochondrial	pellet										
	ADK	Adenosine kinase	supernatant										
	DDX5	Probable ATP-dependent RNA helicase DDX5	pellet										
	DKC1	HVACA ribonucleoprotein complex subunit 4	pellet										
FASN	Fatty acid synthase	supernatant											
NHP2L1	NHP2-like protein 1	pellet											
NUCB1	Nucleobindin-1	supernatant											
PCK1	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]	supernatant											
PKM2	Pyruvate kinase isozymes M1/M2	pellet											
PP1A	Peptidyl-prolyl cis-trans isomerase A	pellet											
PPME1	Protein phosphatase methyltransferase 1	supernatant											
SCD	Acyl-CoA desaturase	supernatant											

■ Up regulated in dialyzed-FBS (>2SD)
■ Down regulated in dialyzed-FBS (<2SD)
■ No significance
■ Not detected

Supplementary Figure S1:

Protein abundance ratios for selected proteins. Only significantly regulated proteins were selected based on the 95% confidence interval calculated from the distribution of SILAC ratios obtained for a 1 :1 mixture of the same labeled and unlabeled samples. The proteins listed were selected based on the results of MCF-7, and the related proteins (isoforms, interactors) were also added to the list.



Supplemental Figure S2: Quantitative proteome and phosphoproteome analyses for ten cell lines under normal and dialyzed sera conditions.