

Supporting information

Scop3P: a comprehensive resource of human phosphosites within their full context

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Table S1: List of PRIDE projects re-processed

Table S1: PRIDE projects used for re-processing

	ProteomeXchange ID	Title	Publication date	Submission type	Tissues
1	PXD000474	Simulated phosphopeptide spectral library for confident site localization	2015-03-17	PARTIAL	HeLa cell
2	PXD000612	Ultra-deep human phosphoproteome reveals different regulatory nature of Tyr and Ser/Thr-based signaling	2014-08-06	PARTIAL	cell culture
3	PXD000836	HOPE-fixation of lung tissue allows retrospective proteome and phosphoproteome studies	2014-05-22	PARTIAL	lung
4	PXD001060	Fe-IMAC column based phospho enrichment	2015-08-19	PARTIAL	Epithelial cell
5	PXD001170	AML_profiling	2017-02-16	PARTIAL	blood
6	PXD001333	Anion-Exchange Chromatography of Tryptic and Phosphopeptides: WAX vs. SAX and AEX vs. ERLIC	2015-04-23	PARTIAL	HeLa cell
7	PXD001374	Label-free quantitative phosphoproteomics with novel pairwise abundance normalization reveals synergistic RAS and CIP2A signaling	2015-08-24	PARTIAL	HeLa cell
8	PXD001546	Reproducibility of label-free single-shot phosphoproteomics applied to CRC cell lines	2015-04-15	PARTIAL	cell culture
9	PXD001550	Human CRC cell line baseline phosphoproteomics	2015-04-15	PARTIAL	cell culture
10	PXD000089	Proteomic and phosphoproteomic data of colorectal cancer tissues and cells for Chromosome-Centric Human Proteome Project	2013-01-11	PARTIAL	colorectal cancer tissues
11	PXD001565	Evaluation of phospho-tyrosine antibodies for label-free phosphoproteomics	2015-12-09	PARTIAL	colon,brain
12	PXD002255	Enrichment strategy for searching missing protein	2015-07-14	COMPLETE	cell culture,blood serum
13	PXD002286	Phospho-proteomic profiling of Castration Resistant Prostate Cancer	2016-08-19	PARTIAL	-
14	PXD002394	Proteomic and phosphoproteomic analysis of cisplatin resistance in patient derived serous ovarian cancer	2017-05-02	PARTIAL	cell suspension culture
15	PXD002646	A systematic evaluation of nanocast metal oxide microspheres for phosphoproteomics applications	2017-05-17	PARTIAL	HEK-293
16	PXD002990	Complementary Phosphoproteomic Approaches Link IL-23R Downstream Signaling with Metabolic Adaptation in Lymphocytes	2016-04-21	COMPLETE	lymph node
17	PXD003198	Characterisation of pancreatic ductal adenocarcinoma subtypes by global phosphotyrosine profiling	2016-06-09	PARTIAL	pancreatic cell line
18	PXD003531	Proteomics of Primary cells derived from Ovarian Cancer	2017-04-03	PARTIAL	primary cell
19	PXD004252	Modulating the selectivity of affinity absorbents to multi-phosphopeptides by a novel competitive substitution strategy	2016-08-03	PARTIAL	cell culture

20	PXD004415	Quantitative phosphoproteome analysis of cisplatin-induced apoptosis in Jurkat T cells	2017-05-11	COMPLETE	T lymphocyte
21	PXD004447	Mirroring the charged termini; ETD/HCD fragmentation characteristics of LysargiNase and tryptic peptides and their benefits for peptide sequencing in proteomics	2016-12-02	PARTIAL	cell culture
22	PXD004452	HeLa proteome of 12,250 protein-coding genes	2017-06-12	PARTIAL	liver,colon
23	PXD004940	Performance of the Orbitrap Fusion Lumos Tribrid in single-shot analyses of human samples	2017-03-09	PARTIAL	HeLa cell
24	PXD005366	Robust, sensitive and automated phosphopeptide enrichment optimized for low sample amounts applied to primary hippocampal neurons	2016-12-14	PARTIAL	Cell culture
25	PXD000674	PeptideShaker	2014-01-27	COMPLETE	HeLa cell
26	PXD006114	Phosphoproteomics of in vivo resistance to EGFR-targeted therapy in lung cancer cells	2017-08-28	COMPLETE	Epithelial cell, cell culture
27	PXD003215	A Novel Method for Isolating Whole Protein from Human Cranial Bone	2016-10-05	COMPLETE	Osteocyte,Cranium,Osteoblast
28	PXD003657	Antibody-independent identification of bovine milk-derived peptides in breast-milk	2016-07-19	COMPLETE	Milk samples
29	PXD003660	Early Signaling Dynamics of EGFR	2016-06-24	COMPLETE	Epithelial cell, cell culture
30	PXD003709	Preferential phosphorylation on old histones during early mitosis in human cells	2016-06-01	COMPLETE	Blood cell, cell culture
31	PXD002057	Proteomic analysis identifies novel pathways linking epithelial-to-mesenchymal transition with resistance to HER2-targeted therapy	2016-02-22	COMPLETE	cell culture
32	PXD002436	Monitoring cellular phosphorylation signaling pathways into chromatin and down to the gene level	2015-11-09	COMPLETE	HeLa cell
33	PXD000964	MS approach assessment and Mad1 phosphopeptide analysis	2014-10-31	COMPLETE	cell culture
34	PXD000680	Stable isotope labeling of phosphoproteins for large-scale phosphorylation rate determination	2014-04-15	COMPLETE	HeLa cell,HEK-293 cell
35	PXD000218	System-level analysis of cancer and stomal cell specific proteomes reveals extensive reprogramming of phosphorylation networks by tumor microenvironment	2014-04-01	COMPLETE	Epithelial cell, colon
36	PXD006482	Identification of Missing Proteins in the Phosphoproteome of Kidney Cancer	2017-09-01	COMPLETE	kidney