

SUPPLEMENTAL TABLE 4

Novel phosphotyrosine sites identified in breast cancer cell lines, MCF10A, and MCF10/SrcY527F

Protein nomenclature according to UniProt knowledgebase (<http://www.uniprot.org>)

a) The identified novel tyrosine phosphorylation site is labelled as Y*

Peptide ^{a)}	UniProt entry	Gene name	pY-site	Protein name	Accession#	Detected in cell line
LFY*LQPK	ABCD4	ABCD4	539	ATP-binding cassette sub-family D member 4	O14678	BT549
FLPPPLY*SEIDPNPDQSADDRPSCPSR	ARRD3	ARRDC3	394	Arrestin domain-containing protein 3	Q96B67	BT549
VAAPSSSPSAEAEY*WR	BIG3	ARFGEF3	1658	Brefeldin A-inhibited guanine nucleotide-exchange protein 3	Q5TH69	MM361
DNVYYY*DEEGGGEEDQDFDLSQLHR	CADH1	CDH1	755	Epithelial cadherin	P12830	MCF10A/SrcY527F
HLVY*ESDQNKDGK	CALU	CALU	275	Calumenin	O43852	SKBR3
MY*EENSQPR	CBL	CBL	141	E3 ubiquitin-protein ligase CBL	P22681	MCF10A, MCF10A/SrcY527F
GDERPHY*YGK	CTL2	SLC44A2	8	Choline transporter-like protein 2	Q8IWA5	MM468
AGRHEY*ALPLAPPEPEY*ATPIVER	DCBD1	DCBLD1	589, 600	Discoidin, CUB and LCCL domain-containing protein 1	Q8N8Z6	BT549
QSTAY*SLHQPQGNKEHGTER	DDEF2	DDEF2	293	Development and differentiation-enhancing factor 2	O43150	MCF10A/SrcY527F
AASY*TEEDENHTAK	DSG2	DSG2	783	Desmoglein-2	Q14126	MCF10A/SrcY527F
SLY*QSAGVAPESFEYIEAHGTGK	FAS	FASN	277	Fatty acid synthase	P49327	SKBR3
IDHY*LGK	G6PD	G6PD	202	Glucose-6-phosphate 1-dehydrogenase	P11413	MM361, MM453, ZR751
YSEGY*PGQR	GLYC	SHMT1	77	Serine hydroxymethyltransferase, cytosolic	P34896	MM361, MM453, T47D
YSEGY*PGKR	GLYM	SHMT2	100	Serine hydroxymethyltransferase, mitochondrial	P34897	T47D
SGLY*Y*STK	GRB7	GRB7	259, 260	Growth factor receptor-bound protein 7	Q14451	HCC1954
TY*LSQR	HAKAI	CBLL1	176	E3 ubiquitin-protein ligase Hakai	Q75N03	MCF10A
DSY*ESYGNSR	HNRPG	RBMX	285	Heterogeneous nuclear ribonucleoprotein G	P38159	T47D
ESSSPLSSNQSEPGSIALNSY*HSR	INGR1	IFNGR1	397	Interferon-gamma receptor alpha chain	P15260	BT549
LLEGEDAHLTQY*K	K1C17	KRT17	398	Keratin, type I cytoskeletal 17	Q04695	MCF10A, MCF10A/SrcY527F
EKWDCESICSTY*SNLYNHPQLIK	LTV1	LTV1	357	Protein LTV1 homolog	Q96GA3	MCF10A
TY*LGEEGKR	ME11A	METTL11A	103	Methyltransferase-like protein 11A	Q9BV86	T47D
TY*LTNR	NAV1	NAV1	1566	Neuron navigator 1	Q8NEY1	MCF10A
GPGTHMSEPPHNNMQVY*A	NOTC2	NOTCH2	2470	Neurogenic locus notch homolog protein 2	Q04721	BT549
ETPDSY*RDSPHSER	NRG1	NRG1	415	Pro-neuregulin-1, membrane-bound isoform	Q02297	BT549
IVEDEEY*ETTQEY*EPAQEPVKK	NRG1	NRG1	525, 531	Pro-neuregulin-1, membrane-bound isoform	Q02297	BT549
LQEY*HSQYQEK	P55G	PIK3R3	184	Phosphatidylinositol 3-kinase regulatory subunit gamma	Q92569	MM468
GGLMSPHLY*HQVYLTTDSR	PCDGK	PCDHGC3	757	Protocadherin gamma-C3	Q9UN70	BT549
LMY*QELKVPAAEPANELPMNEIEAWK	PLD3	PLD3	7	Phospholipase D3	Q8IV08	BT549
RGSGHPAY*AEVEPVGEK	PXDC2	PLXDC2	511	Plexin domain-containing protein 2	Q6UX71	BT549
SSLY*NHY*LR	RFX2	RFX2	221, 224	DNA-binding protein RFX2	P48378	MM468
SGNY*SGHSDGISSSR	RHG21	ARHGAP21	350	Rho GTPase-activating protein 21	Q5T5U3	HCC70
TGVHHY*SGNNIELGTACGK	RL30	RPL30	74	60S ribosomal protein L30	P62888	MCF10A/SrcY527F
EMVY*ASR	SNIP	P140	155	p130Cas-associated protein	Q9C0H9	BT474
QGAMY*HTQHLLR	TENS1	TNS1	458	Tensin-1	Q9HBL0	SKBR3
RPEDY*DIHNSR	YTDC1	YTHDC1	540	YTH domain-containing protein 1	Q96MU7	MCF10A/SrcY527F
KAAY*PR	ZFP91	ZFP91	76	Zinc finger protein 91 homolog	Q96JP5	MM231
SIDQDY*ER	ZO2	TJP2	249	Tight junction protein ZO-2	Q9UDY2	MM468, MCF10A