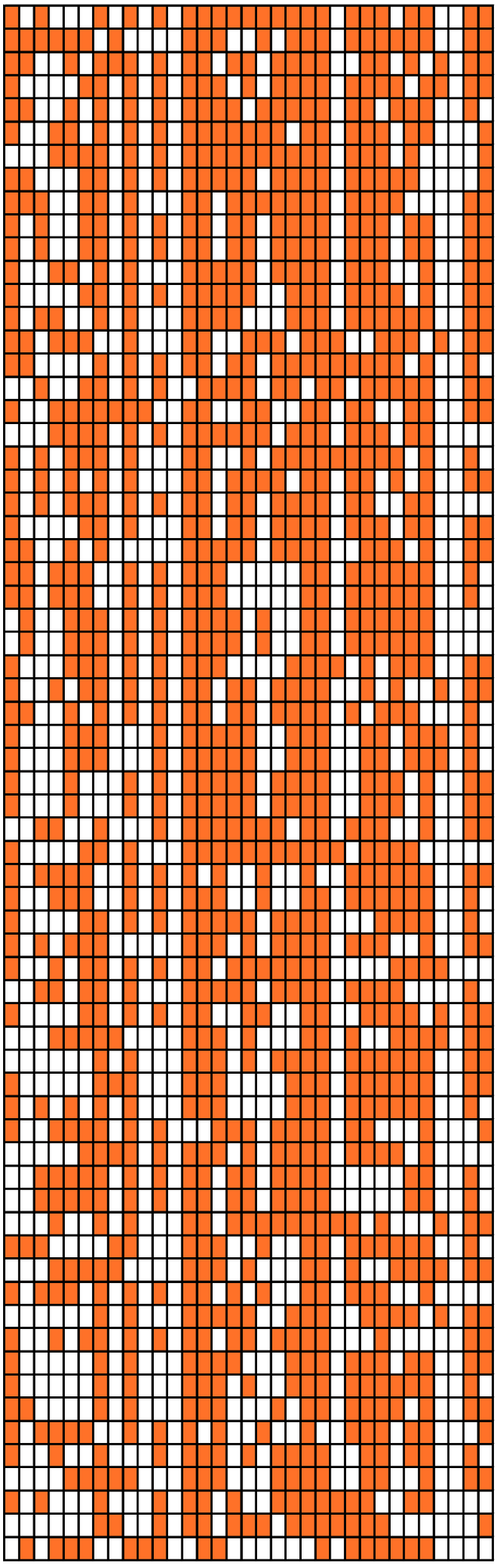
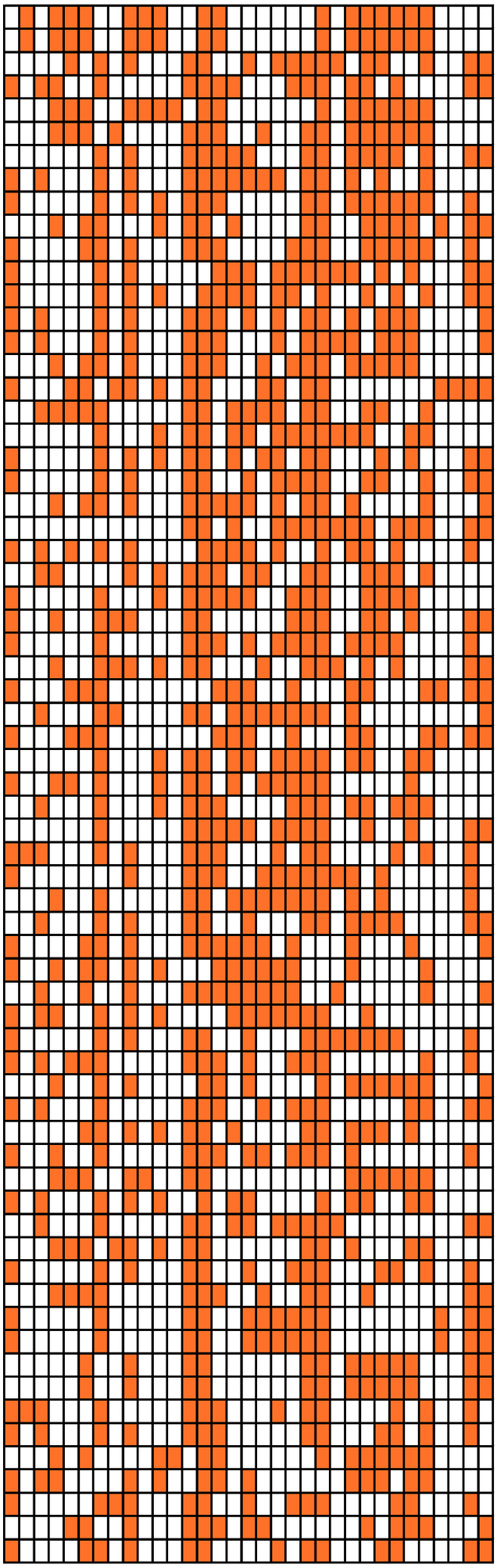
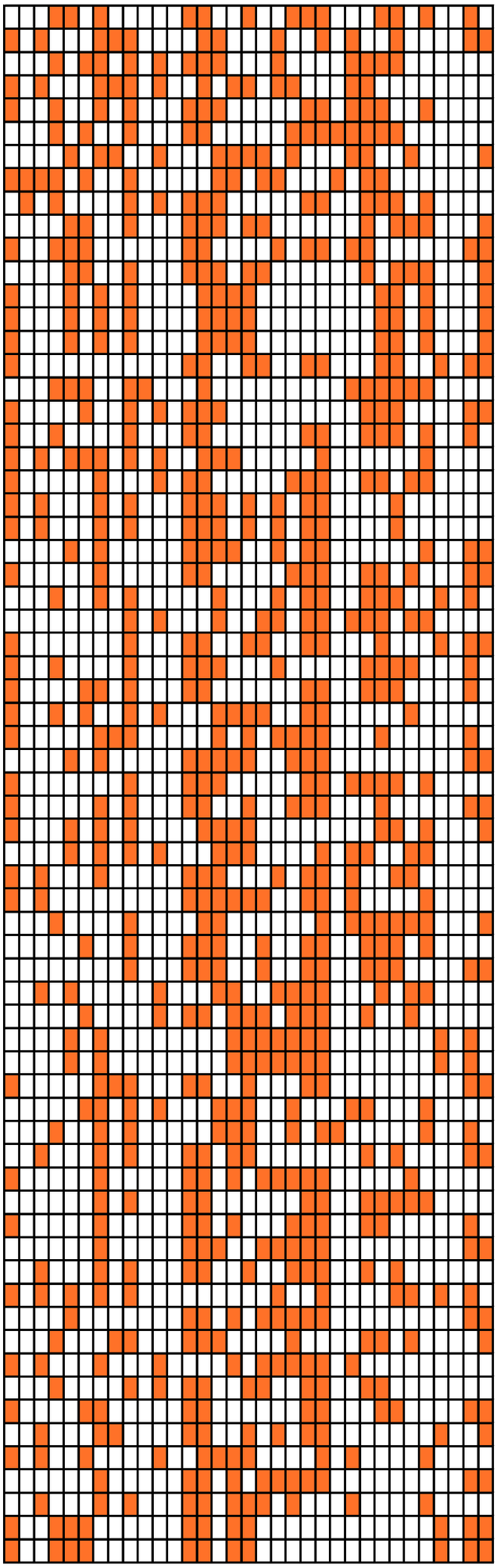
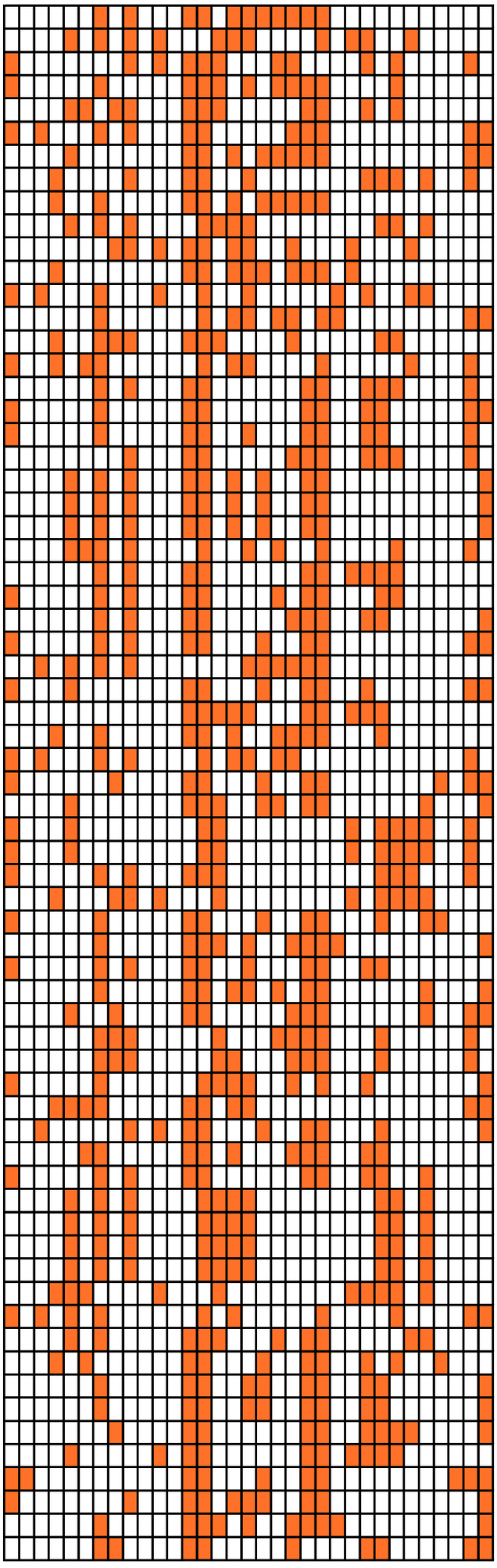
Supplementary Table 2. Protein phosphorylation in gastric cancer cells (yellow color indicates phosphorylation detected)

Protein name	Gene Symbol	Residue	Site Sequence	Gastric cancer cell lines	Phosphorylation frequency (%)
				23132/87 23132/87 AGS AZ-521 FU97 FU97 HCC827 Hs746T IM95 KATO III MKN-1 MKN-45 MKN-45 MKN-45 MKN-74 NCI-H1650 NCI-H1666 NCI-H1703 NCI-H1734 NCI-H1975 NCI-H3255 NCI-H3255 NCI-H358 NUGC-2 NUGC-3 NUGC-4 OCUM-1 RERF-GC-1B SCH SNU-1 SNU-1 SNU-16 SNU-5	
ERK2	MAPK1	Y187-p	HTGFLTEyVATRWYR		100.0
CDK1	CDK1	Y15-p	EKIGEGTyGVVYKGR		97.0
CDK2	CDK2	Y15-p	EKIGEGTyGVVYKAR		93.9
CDK3	CDK3	Y15-p	EKIGEGTyGVVYKAK		93.9
PRP4	PRPF4B	Y849-p	ADNDITPyLVSRFYR		93.9
GSK3A	GSK3A	Y279-p	RGEPNVSyICSRYYR		90.9
GSK3B	GSK3B	Y216-p	RGEPNVSyICSRYYR		90.9
STAT3	STAT3	Y705-p	DPGSAAPyLKTKFIC		90.9
ANXA2	ANXA2	Y24-p	HSTPPSAyGSVKAYT		87.9
P38A	MAPK14	Y182-p	TDDEMTGyVATRWYR		87.9
PTPRA	PTPRA	Y798-p	YIDAFSDyANFK___		87.9
EphA2	EPHA2	Y772-p	EDDPEATyTTSGGKI		84.8
PTTG1IP	PTTG1IP	Y174-p	LFKEENPyARFENN_		84.8
cofilin 1	CFL1	Y140-p	HELQANCyEEVKDRC		81.8
EphA2	EPHA2	Y594-p	TYVDPHTyEDPNQAV		81.8
FAK	PTK2	Y576-p	RYMEDSTyYKASKGK		81.8
Fyn	FYN	Y420-p	RLIEDNEyTARQGAK		81.8
HIPK1	HIPK1	Y352-p	SKAVCSTyLQSRYYR		81.8
HIPK2	HIPK2	Y361-p	SKAVCSTyLQSRYYR		81.8
Lck	LCK	Y394-p	RLIEDNEyTAREGAK		81.8
Src	SRC	Y419-p	RLIEDNEyTARQGAK		81.8
Yes	YES1	Y426-p	RLIEDNEyTARQGAK		81.8
CTNND1	CTNND1	Y904-p	TKSLDNNySTPNERG		78.8
DYRK1A	DYRK1A	Y321-p	LGQRIYQyIQSRFYR		78.8
DYRK1B	DYRK1B	Y273-p	LGQRIYQyIQSRFYR		78.8
GRF-1	ARHGAP3	Y1105-p	RNEEENIySVPHDST		78.8
Lyn	LYN	Y508-p	YTATEGQyQQQP___		78.8
Shc1	SHC1	Y427-p	ELFDDPSyVNVQNLD		78.8
APP	APP	Y757-p	SKMQQNGyENPTYKF		75.8
CD46 iso4	CD46	Y354-p	KADGGAEyATYQTKS		75.8
EGFR	EGFR	Y1197-p	STAENAEyLRVAPQS		75.8
EphA2	EPHA2	Y588-p	QLKPLKTyVDPHTYE		75.8
FAK	PTK2	Y577-p	YMEDSTYyKASKGKL		75.8
Shb	SHB	Y268-p	GKGESAGyMEPYEAQ		75.8
APLP2	APLP2	Y755-p	HGYENPTyKYLEQMQ		72.7
EGFR	EGFR	Y1172-p	ISLDNPDyQQDFFPK		72.7
ERK1	MAPK3	Y204-p	HTGFLTEyVATRWYR		72.7
ITGB1	ITGB1	Y783-p	DTGENPIyKSAVTTV		72.7
JAM-A	F11R	Y280-p	TSSKKVIySQPSARS		72.7
LISCH	LSR	Y551-p	PRSRDPHyDDFRSRE		72.7
Met	MET	Y1234-p	RDMYDKEyYSVHNKT		72.7
plakophilir	PKP4	Y1168-p	GLKSTTNyVDFYSTK		72.7
SgK269	PEAK1	Y635-p	IVINPNAyDNLAIYK		72.7
SHP-2	PTPN11	Y62-p	KIQNTGDyYDLYGGE		72.7
APLP2	APLP2	Y750-p	NKMQNHGyENPTYKY		69.7
ATP1A1	ATP1A1	Y260-p	TARGIVVyTGDRTVM		69.7
cortactin	CTTN	Y421-p	RLPSSPVyEDAASFK		69.7
Erbin	ERBB2IP	Y1104-p	AQIPEGDyLSYREFH		69.7
P130Cas	BCAR1	Y249-p	APGPQDIyDVPPVRG		69.7
STAT3 iso	STAT3	Y704-p	ADPGAAPyLKTKFIC		69.7
cortactin	CTTN	Y446-p	GTEPEPVySMEAADY		66.7
CTNND1	CTNND1	Y228-p	YPGGSDNyGSLSRVT		66.7
Gab1	GAB1	Y659-p	VADERVDyVVVDQQK		66.7
Hck	HCK	Y411-p	RVIEDNEyTAREGAK		66.7
Lyn	LYN	Y397-p	RVIEDNEyTAREGAK		66.7
P130Cas	BCAR1	Y128-p	SKAQQGLyQVPGPSP		66.7
P130Cas	BCAR1	Y234-p	AQPEQDEyDIPRHLL		66.7
Rin1	RIN1	Y36-p	KPAQDPLyDVPNASG		66.7
SHP-2	PTPN11	Y584-p	REDSARVyENVGLMQ		66.7
tensin 3	TNS3	Y780-p	RKLSLGQyDNDAGGQ		66.7

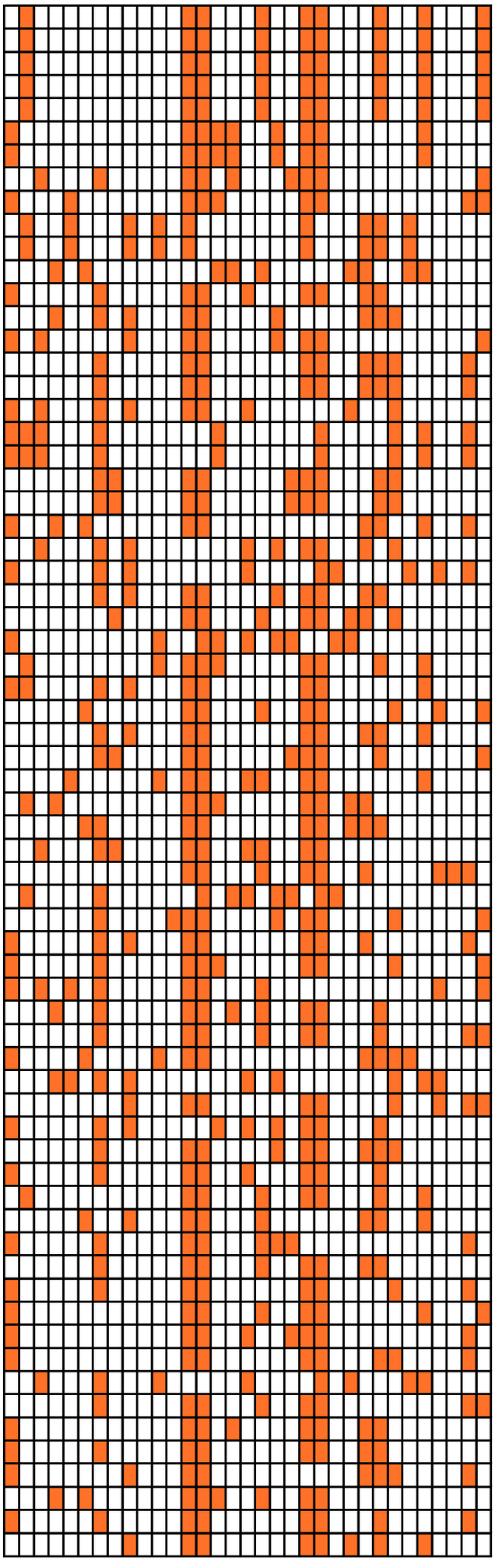
tensin 3	TNS3	Y855-p	PVSPETPyVKTALRH		66.7
Yes	YES1	Y537-p	FTATEPQyQPGENL_		66.7
calmodulin	CALM1	Y100-p	FDKDGNGyISAAELR		63.6
CD46 iso4	CD46	Y357-p	GGAEYATyQTKSTTP		63.6
CDK1	CDK1	Y19-p	EGTYGVVyKGRHKTT		63.6
FAK	PTK2	Y397-p	SVSETDDyAEIIDEE		63.6
PIK3R1	PIK3R1	Y467-p	SREYDRLyEEYTRTS		63.6
Shb	SHB	Y114-p	RAMCRLDyCGGSGEP		63.6
Shb	SHB	Y246-p	KVTIADDySDPFDAK		63.6
TAGLN2	TAGLN2	Y192-p	SQAGMTGyGMPRQIL		63.6
TAGLN3	TAGLN3	Y192-p	SQAGMTGyGMPRQIM		63.6
ANXA2	ANXA2	Y30-p	AYGSVKAyTNFDAER		60.6
DDX3	DDX3X	Y104-p	DDRGRSDyDGIGSRG		60.6
Gab1	GAB1	Y406-p	DASSQDCyDIPRAFP		60.6
HIPK3	HIPK3	Y359-p	SKTVCSTyLQSRYYR		60.6
K7	KRT7	Y40-p	GLGSSSLyGLGASRP		60.6
PKCD	PRKCD	Y313-p	SSEPVGIyQGFEKKT		60.6
talin 1	TLN1	Y70-p	EAGKALDyYMLRNGD		60.6
talin 1	TLN1	Y436-p	STVLQQQyNRVGKVE		60.6
ZO2	TJP2	Y1118-p	AQKHPDIyAVPIKTH		60.6
ANXA2	ANXA2	Y238-p	RYKSYSPyDMLESIR		57.6
Cas-L	NEDD9	Y317-p	VGSQNDAyDVPRGVQ		57.6
CTNND1	CTNND1	Y257-p	APSRQDVyGPQPQVR		57.6
DLG3	DLG3	Y673-p	NEVDGQDyHFVVSRE		57.6
DYRK2	DYRK2	Y382-p	EHQRVYTyIQSRFYR		57.6
DYRK4	DYRK4	Y264-p	EHQKVYTyIQSRFYR		57.6
eEF1A1	EEF1A1	Y29-p	TTTGHLIyKCGGIDK		57.6
eEF1A2	EEF1A2	Y29-p	TTTGHLIyKCGGIDK		57.6
EphB4	EPHB4	Y987-p	TGGPAPQy_____		57.6
FLNB	FLNB	Y2502-p	RSSTETCySAIPKAS		57.6
FRK	FRK	Y46-p	QSQRHGHyFVALFDY		57.6
IGF1R	IGF1R	Y1165-p	RDIYETDyYRKGGKG		57.6
InsR	INSR	Y1189-p	RDIYETDyYRKGGKG		57.6
K8	KRT8	Y267-p	IAEVKAQyEDIANRS		57.6
KRT75	KRT75	Y327-p	IAEVKAQyEDIANRS		57.6
N-WASP	WASL	Y256-p	RETSKVIyDFIEKTG		57.6
plakophilin	PKP4	Y478-p	ALNTTATyAEPYRPI		57.6
PXN iso2	PXN	Y118-p	VGEEEHVySFPNKQK		57.6
PZR	MPZL1	Y263-p	NKSESVVyADIRKN_		57.6
SgK223	SGK223	Y411-p	ATQPEPIyAESTKRK		57.6
SKT	KIAA1217	Y393-p	MYRNEGFyADPYLYH		57.6
Tyk2	TYK2	Y292-p	QAEGEPCyIRDSGVA		57.6
ZO2	TJP2	Y426-p	RRHQYSDyDYHSSSE		57.6
EFNB1	EFNB1	Y317-p	ENNYCPHyEKVSGDY		54.5
Fyn	FYN	Y213-p	RKLDNGGyYITTRAQ		54.5
Met	MET	Y1003-p	VSNESVDyRATFPED		54.5
Met	MET	Y1235-p	DMYDKEYySVHNKTG		54.5
MGC1483	C11orf52	Y103-p	HLENATEyATLRFPQ		54.5
PIK3R2	PIK3R2	Y464-p	SREYDQLyEEYTRTS		54.5
PTPRE	PTPRE	Y696-p	FIDIFSDyANFK___		54.5
RPS27	RPS27	Y31-p	LVQSPNSyFMDVKCP		54.5
RPS27L	RPS27L	Y31-p	LVQSPNSyFMDVKCP		54.5
SHIP-2	INPPL1	Y986-p	NSFNNPAyYVLEGVP		54.5
Src	SRC	Y530-p	FTSTEPQyQPGENL_		54.5
Yes	YES1	Y222-p	RKLDNGGyYITTRAQ		54.5
CDK5	CDK5	Y15-p	EKIGEGTyGTVFKAK		51.5
EGFR	EGFR	Y1110-p	GSVQNPVyHNQPLNP		51.5
GRF-1	ARHGAP3	Y1087-p	DGFDPSDyAEPMDAV		51.5
plakophilin	PKP3	Y84-p	RGTSRGQyHTLQAGF		51.5
plakophilin	PKP3	Y176-p	GVGSRADyDTLSLRS		51.5
PLEKHA6	PLEKHA6	Y492-p	PPRSEDIyADPAAYV		51.5
PXN iso2	PXN	Y88-p	PQSSSPVyGSSAKTS		51.5
TBCB	TBCB	Y98-p	SGARLGEyEDVSRVE		51.5
TfR	TFRC	Y20-p	FGGEPLSyTRFSLAR		51.5
Cas-L	NEDD9	Y166-p	RTGHGYVyEYPSRYQ		48.5
caveolin-1	CAV1	Y14-p	VDSEGHLyTVPIREQ		48.5
CDK1	CDK1	T14-p	IEKIGEGtYGVVYKG		48.5

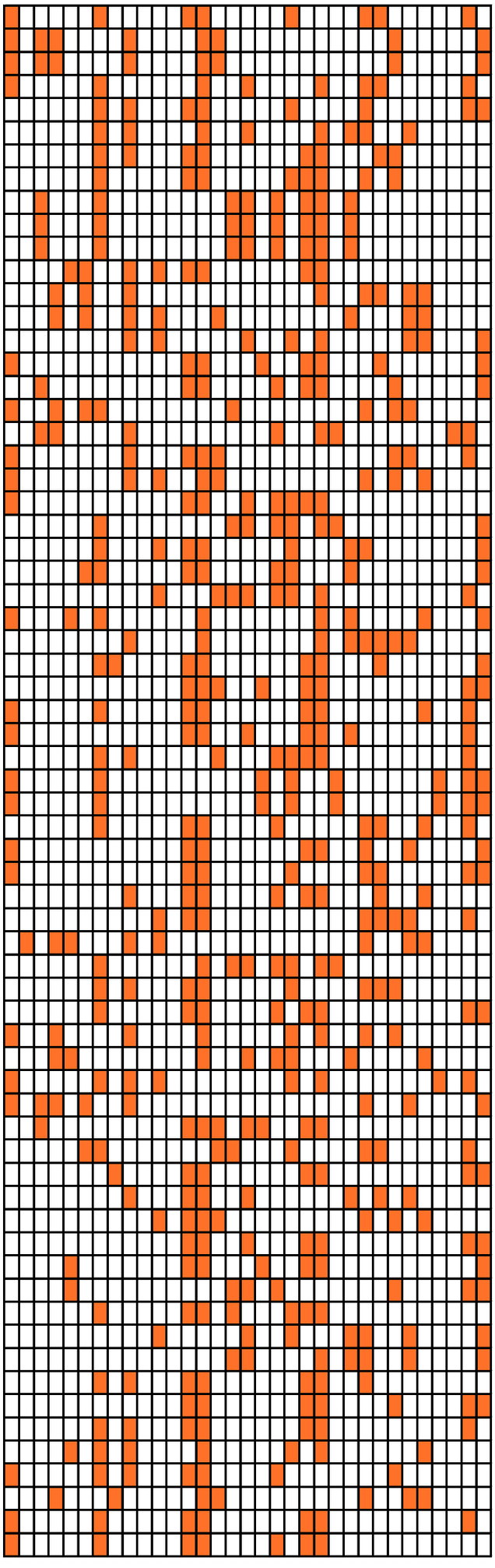
CDK2	CDK2	T14-p	VEKIGEGtYGVVYKA		48.5
CDK3	CDK3	T14-p	VEKIGEGtYGVVYKA		48.5
CTNND1	CTNND1	Y96-p	QDHSHLLySTIPRMQ		48.5
EphA2	EPHA2	Y575-p	RQSPEDVyFSKSEQL		48.5
ERK2	MAPK1	T185-p	HDHTGFLtEYVATRW		48.5
Fyn	FYN	Y531-p	FTATEPQyQPGENL_		48.5
ITGB4	ITGB4	Y1207-p	GAQGEGPySSLVSCR		48.5
ITSN2	ITSN2	Y968-p	REEPEALyAAVNKKP		48.5
K19	KRT19	Y391-p	LEGQEDHyNNLSASK		48.5
LDLR	LDLR	Y845-p	ICHNQDGySYPSRQM		48.5
MGC1483	C11orf52	Y78-p	SEDSNLHyADIQVCS		48.5
PAG	PAG1	Y359-p	PSSCNDLyATVKDFE		48.5
PKCD	PRKCD	Y334-p	MQDNSGTyGKIWEGS		48.5
RAIG1	GPRC5A	Y347-p	AHAWPSPyKDYEVKK		48.5
RAIG1	GPRC5A	Y350-p	WPSPYKDyEVKKEGS		48.5
SHIP-2	INPPL1	Y1135-p	KTLSEVDyAPAGPAR		48.5
SLC38A2	SLC38A2	Y41-p	QAALKSHyADVDPEN		48.5
vinculin	VCL	Y822-p	KSFLDSGyRILGAVA		48.5
Cas-L	NEDD9	Y214-p	EIKPQGVyDIPPTKG		45.5
DBNL	DBNL	Y162-p	QAPVGSVyQKTNAVS		45.5
desmoplal	DSP	Y56-p	TDQNSDGyCQTGTMS		45.5
IQGAP1	IQGAP1	Y1510-p	LVKLQQTyAALNSKA		45.5
LISCH	LSR	Y372-p	SAGGQGSyVPLLRDT		45.5
P38D	MAPK13	Y182-p	ADAEMTGyVVTRWYR		45.5
PZR	MPZL1	Y241-p	SHQGPVIyAQLDHSG		45.5
S100A11	S100A11	Y30-p	KYAGKDGyNYTLSKT		45.5
2-Sep	2-Sep	Y17-p	INPETPGyVGFANLP		45.5
Shb	SHB	Y336-p	DDRPADEyDQPWEWN		45.5
syntenin	SDCBP	Y46-p	IPHDGNLyPRLYPEL		45.5
Abl	ABL1	Y393-p	RLMTGDTyTAHAGAK		42.4
Ack	TNK2	Y518-p	GGVKKPTyDPVSEDQ		42.4
Arg	ABL2	Y439-p	RLMTGDTyTAHAGAK		42.4
Cas-L	NEDD9	Y241-p	AGLREKDyDFPPPMR		42.4
CDK2	CDK2	Y19-p	EGTYGVVyKARNKLT		42.4
EFNB2	EFNB2	Y304-p	DSVFCPHyEKVSGDY		42.4
EGFR	EGFR	Y1092-p	TFLPVPEylNQSVPK		42.4
EphB4	EPHB4	Y596-p	VYIDPFTyEDPNEAV		42.4
G6PD	G6PD	Y503-p	MKRVGFQyEGTYKWV		42.4
GIT1	GIT1	Y545-p	ELEDDAIySVHVPAG		42.4
ITGB4	ITGB4	Y1510-p	STTLPRDySTLTSVS		42.4
P130Cas	BCAR1	Y267-p	SQYGQEVyDTPPMAV		42.4
P130Cas	BCAR1	Y287-p	RDPLLEVyDVPPSVE		42.4
P130Cas	BCAR1	Y387-p	RPGPGTLyDVPRERV		42.4
PIK3R2	PIK3R2	Y605-p	KNETEDQyALMEDED		42.4
plakophilir	PKP2	Y166-p	AHYTHSDyQYSQRSQ		42.4
SHANK2	SHANK2	Y989-p	GQMPENPySEVGKIA		42.4
Shc1	SHC1	Y350-p	EPPDHQYyNDFPGKE		42.4
tensin 3	TNS3	Y354-p	GPVDGSLyAKVRKKS		42.4
ANKS1A	ANKS1A	Y455-p	REEDEHPyELLLTAE		39.4
ANXA1	ANXA1	Y39-p	PGSAVSPyPTFNPSS		39.4
ARHGAP1	ARHGAP1	Y243-p	GRPDSPVyANLQELK		39.4
Cas-L	NEDD9	Y345-p	PQERDGVyDVPLHNP		39.4
CDCP1	CDCP1	Y707-p	KGPAVGIyNDNINTE		39.4
Crk	CRK	Y221-p	GGPEPGPyAQPSVNT		39.4
desmoplal	JUP	Y20-p	VTEWQQTyTYDSGIH		39.4
DLG1	DLG1	Y760-p	YEVDGRDyHFVTSRE		39.4
eEF1A1	EEF1A1	Y141-p	REHALLAyTLGVKQL		39.4
eEF1A2	EEF1A2	Y141-p	REHALLAyTLGVKQL		39.4
EFNB1	EFNB1	Y343-p	PQSPANIyYKV____		39.4
EFNB2	EFNB2	Y330-p	PQSPANIyYKV____		39.4
EphB3	EPHB3	Y614-p	VYIDPFTyEDPNEAV		39.4
EphB4	EPHB4	Y774-p	ENSSDPTyTSSLGGK		39.4
ERK1	MAPK3	T202-p	HDHTGFLtEYVATRW		39.4
FAK	PTK2	Y861-p	PIGNQHIyQPVGKPD		39.4
FRK	FRK	Y497-p	YFETDSSySDANNFI		39.4
Fyn	FYN	Y440-p	TAPEAALyGRFTIKS		39.4
GPRC5C	GPRC5C	Y414-p	TLRAEDMySAQSHQA		39.4

HER3	ERBB3	Y1328-p	SAFDNPDyWHSRLFP		39.4
IRAP	LNPEP	Y70-p	MEEDEEDyESSAKLL		39.4
LIM	PDLIM5	Y251-p	VERYTEFyHVPTHSD		39.4
LPP	LPP	Y317-p	RNDSDPTyGQQGHPN		39.4
plakophilir	PKP4	Y415-p	DLHITPIyEGRTYYS		39.4
plakophilir	PKP4	Y1115-p	RLQHQQLyYSQDDSN		39.4
PTRF	PTRF	Y308-p	FTPDHVVyARSKTAV		39.4
RIPK2	RIPK2	Y381-p	SRKAQDCyFMKLHHC		39.4
RPS10	RPS10	Y12-p	KKNRIAIyELLFKEG		39.4
Src	SRC	Y439-p	TAPEAALyGRFTIKS		39.4
VASP	VASP	Y39-p	AFSRVQIyHNPTANS		39.4
Yes	YES1	Y446-p	TAPEAALyGRFTIKS		39.4
ACTA1	ACTA1	Y93-p	KIWHHTFyNELRVAP		36.4
ACTB	ACTB	Y91-p	KIWHHTFyNELRVAP		36.4
ACTG1	ACTG1	Y91-p	KIWHHTFyNELRVAP		36.4
APP	APP	Y762-p	NGYENPTyKFFEQMQ		36.4
ARHGAP:	ARHGAP1	S240-p	PNQGRPDsPVYANLQ		36.4
ATP1A1	ATP1A1	Y10-p	KGVGRDKyEPAAVSE		36.4
Bcr	BCR	Y177-p	ADAEKPFyVNVEFHH		36.4
CdkL5	CDKL5	Y171-p	NNANYTEyVATRWYR		36.4
CDV-3	CDV3	Y244-p	KLQLDNQyAVLENQK		36.4
cofilin 1	CFL1	Y89-p	YALYDATyETKESKK		36.4
cofilin 2	CFL2	Y89-p	YALYDATyETKESKK		36.4
CTNNA1	CTNNA1	Y177-p	EQDLGIQyKALKPEV		36.4
CTNND1	CTNND1	Y174-p	ASSVSNNyIQTLGRD		36.4
DNAJA1	DNAJA1	Y381-p	RHYNGEAyEDDEHHP		36.4
FAK	PTK2	Y407-p	IIDEEDTyTMPSTRD		36.4
Hrs	HGS	Y216-p	VRVCEPCyEQLNRKA		36.4
IRS2	IRS2	Y823-p	CGGDSDQyVLMSSPV		36.4
occludin	OCLN	Y315-p	VPSPPSDyVERVDSP		36.4
P130Cas	BCAR1	Y306-p	PSNHHAVyDVPPSVS		36.4
PAG	PAG1	Y417-p	LVPKENDyESISDLQ		36.4
PAR3-alpl	PARD3	Y388-p	RFSPDSQyIDNRSVN		36.4
plakophilir	PKP2	Y168-p	YTHSDYQySQRSQAG		36.4
plakophilir	PKP3	Y195-p	PGGLDDRySLVSEQL		36.4
POTEF	POTEF	Y791-p	KIWHHTFyNELRVAP		36.4
Pyk2	PTK2B	Y579-p	RYIEDEDyYKASVTR		36.4
RAIG1	GPRC5A	Y317-p	EETGDTLyAPYSTHF		36.4
SgK269	PEAK1	Y641-p	AYDNLAIyKSFLGTS		36.4
Shc1	SHC1	Y349-p	EEPPDHQyYNDFPGK		36.4
SHIP-2	INPPL1	Y886-p	LGTRERLyEWISIDK		36.4
SLC1A5	SLC1A5	Y524-p	GNPLLKHyRGPAGDA		36.4
tensin 1	TNS1	Y1404-p	RAGSLPNyATINGKV		36.4
tensin 3	TNS3	Y601-p	QMVVAHQySFAPDGE		36.4
ACTB	ACTB	Y198-p	KILTERGySFTTTAE		33.3
ACTG1	ACTG1	Y198-p	KILTERGySFTTTAE		33.3
ANK3	ANK3	Y533-p	NAATTSGyTPLHLSA		33.3
BCAR3	BCAR3	Y266-p	LRCLEEHyGTSPGQA		33.3
BCS1L	BCS1L	Y181-p	SEWRPFGyPRRRRPL		33.3
CDCP1	CDCP1	Y806-p	PESESEPyTFSHPNN		33.3
CDK3	CDK3	Y19-p	EGTYGVVyKAKNRET		33.3
CTNND1	CTNND1	Y248-p	YRPSMEGyRAPSRQD		33.3
CTNND1	CTNND1	Y334-p	EEVPSDQyYWAPLAQ		33.3
ENO1	ENO1	Y287-p	YKSFIKDyPVVSIED		33.3
EphB2	EPHB2	Y780-p	DDTSDPTyTSALGGK		33.3
ERK5	MAPK7	Y221-p	HQYFMTEyVATRWYR		33.3
Fyn	FYN	Y214-p	KLDNGGYyITTRAQF		33.3
Gab1	GAB1	Y259-p	ASVDSSLyNLPRSYS		33.3
GIT2	GIT2	Y592-p	NSTPESDyDNTPNDM		33.3
JAK2	JAK2	Y570-p	VRREVGDyGQLHETE		33.3
LAMTOR:	LAMTOR1	Y40-p	LNGAEPNyHSLPSAR		33.3
LDH-A	LDHA	Y239-p	KQVVESAyEVIKLKG		33.3
LPP	LPP	Y301-p	GRYYEGYyAAGPGYG		33.3
MIG-6	ERRFI1	Y395-p	KVSSTHYyLLPERPP		33.3
P130Cas	BCAR1	Y327-p	PLLREETyDVPPAFA		33.3
PGAM1	PGAM1	Y92-p	WRLNERHyGGLTGLN		33.3
PGAM2	PGAM2	Y92-p	WRLNERHyGGLTGLN		33.3

PIK3R3	PIK3R3	Y199-p	SKEYDRLyEEYTRTS		33.3
Pyk2	PTK2B	Y580-p	YIEDEDYyKASVTRL		33.3
RBM3	RBM3	Y155-p	GGNYRDNyDN_____		33.3
Syk	SYK	Y323-p	STVSFNPyEPELAPW		33.3
syndecan-	SDC1	Y309-p	PTKQEEFyA_____		33.3
tensin 3	TNS3	Y333-p	PLIRWDSyENLSADG		33.3
Yes	YES1	Y223-p	KLDNGGYyITTRAQF		33.3
Abi-1	ABI1	Y213-p	PPTVPNDyMTSPARL		30.3
Ack	TNK2	Y859-p	KKVSSTHyYLLPERP		30.3
ACTC1	ACTC1	Y93-p	KIWHHTFyNELRVAP		30.3
AFAP1L2	AFAP1L2	Y413-p	DPSPDHLySFRILHK		30.3
ANXA1	ANXA1	Y207-p	DSDARALyEAGERRK		30.3
Cas-L	NEDD9	Y92-p	TFGQQKLyQVPNPQA		30.3
CASKIN2	CASKIN2	Y253-p	DVNIRNTyNQTALDI		30.3
Cbl	CBL	Y700-p	EGEEDTEyMTPSSRP		30.3
CDV-3	CDV3	Y190-p	PQGPPEIySDTQFPS		30.3
claudin 3	CLDN3	Y219-p	TGYDRKDyV_____		30.3
CTNND1	CTNND1	Y296-p	MGYDDLDyGMMSDYG		30.3
DDX3	DDX3X	Y69-p	SSKDKDAySSFGSRS		30.3
EHM2 iso	EPB41L4E	Y493-p	GDDSHFDyVHDQNQK		30.3
ENO1	ENO1	Y44-p	SGASTGIyEALELRD		30.3
ENO2	ENO2	Y44-p	SGASTGIyEALELRD		30.3
ENO3	ENO3	Y44-p	SGASTGIyEALELRD		30.3
EphA1	EPHA1	Y781-p	LDDFDGTyETQGGKI		30.3
EPS8	EPS8	Y525-p	NRHIDRNyEPLKTQP		30.3
EPS8	EPS8	Y774-p	CPEGARVySQITVQK		30.3
Erbin	ERBB2IP	Y1164-p	MSVSDFNySRTSPSK		30.3
ESYT1	ESYT1	Y822-p	GTKHLSPyATLTVGD		30.3
Fer	FER	Y402-p	EPPPVVNyEEDARSV		30.3
FLOT1	FLOT1	Y203-p	QEKVSAQyLSEIEMA		30.3
G6PD	G6PD	Y507-p	GFQYEGTyKWVNPHK		30.3
HER2	ERBB2	Y1248-p	PTAENPEyLGLDVPV		30.3
hnRNP A2	HNRNPA2	Y336-p	GPYGGGNyGPGGSGG		30.3
Hrs	HGS	Y132-p	YKVVQDTyQIMKVEG		30.3
HSP90B	HSP90AB	Y484-p	KETQKSIyYITGESK		30.3
IGF1R	IGF1R	Y1161-p	FGMTRDIyETDYYRK		30.3
InsR	INSR	Y1185-p	FGMTRDIyETDYYRK		30.3
IRS2	IRS2	Y742-p	SSPEDSGyMRMWCGS		30.3
Lasp-1	LASP1	Y171-p	IPTSAPVyQQPQQQP		30.3
LDH-B	LDHB	Y240-p	KMVVESAyEVIKLKG		30.3
Mer	MERTK	Y753-p	KKIYSGDyYRQGRIA		30.3
MINK	MINK1	Y906-p	LHADSNGyTNLPDVV		30.3
Nck1	NCK1	Y105-p	VDPGERLyDLNMPAY		30.3
NRP1	NRP1	Y920-p	KLNTQSTySEA____		30.3
PAG	PAG1	Y317-p	EEEISAMySSVNKPG		30.3
PAG	PAG1	Y341-p	LTVPESTyTSIQGDP		30.3
PAR3-alp	PARD3	Y719-p	RRISHSLySGIEGLD		30.3
PGAM1	PGAM1	Y26-p	ENRFSGWyDADLSPA		30.3
PIK3R1	PIK3R1	Y607-p	NENTEDQySLVEDDE		30.3
plakophilir	PKP4	Y157-p	NSYSDSGyQEAGSFH		30.3
plakophilir	PKP4	Y372-p	GQQQYDIyERMVPPR		30.3
POTE2	POTEE	Y791-p	KIWHHTFyNELRVAP		30.3
POTEI	POTEI	Y791-p	KIWHHTFyNELRVAP		30.3
POTEJ	POTEJ	Y754-p	KIWHHTFyNELRVAP		30.3
POTEM is	POTEM	Y8-p	KIWHHTFyNELRVAP		30.3
PXN iso2	PXN	S85-p	HQQPQSSsPVYGSSA		30.3
S100A10	S100A10	Y25-p	KFAGDKGyLTKEDLR		30.3
SKT	KIAA1217	Y244-p	KDESRNVyYELNDVR		30.3
SPRY4	SPRY4	Y52-p	TSHVENDyIDNPSLA		30.3
STAT5A	STAT5A	Y694-p	LAKAVDGyVKPQIKQ		30.3
STAT5B	STAT5B	Y699-p	TAKAVDGyVKPQIKQ		30.3
STX4	STX4	Y115-p	KEEADENyNSVNTRM		30.3
syndecan-	SDC4	Y197-p	KAPTNEFyA_____		30.3
TKT	TKT	Y275-p	EQIIQEIySQIQSKK		30.3
TMEM106	TMEM106	Y50-p	GDVSQFPyVEFTGRD		30.3
Tyro3	TYRO3	Y685-p	RKIYSGDyYRQGCAS		30.3
Abi-1	ABI1	Y198-p	TLGRNTPyKTLEPVK		27.3

ACTA1	ACTA1	Y55-p	GMGQKDSyVGDEAQS	27.3
ACTA2	ACTA2	Y55-p	GMGQKDSyVGDEAQS	27.3
ACTB	ACTB	Y53-p	GMGQKDSyVGDEAQS	27.3
ACTG1	ACTG1	Y53-p	GMGQKDSyVGDEAQS	27.3
ACTG2	ACTG2	Y54-p	GMGQKDSyVGDEAQS	27.3
ACTN1	ACTN1	Y246-p	MTYVSSFyHAFSGAQ	27.3
ACTN4	ACTN4	Y265-p	MTYVSSFyHAFSGAQ	27.3
ALDOA	ALDOA	Y3-p	_____MPyQYPALTP	27.3
ANXA2	ANXA2	Y316-p	RKYGKSLyYYIQQDT	27.3
CALM2	CALM2	Y100-p	FDKDGNGyISAAELR	27.3
CALM3	CALM3	Y100-p	FDKDGNGyISAAELR	27.3
CrkL	CRKL	Y251-p	QKRVPCAyDKTALAL	27.3
CTNND1	CTNND1	Y280-p	HRFHPEPyGLEDDQR	27.3
Dok1	DOK1	Y449-p	KSHNSALySQVQKSG	27.3
DYRK1A	DYRK1A	Y145-p	DGYDDDNyDYIVKNG	27.3
EFNB1	EFNB1	Y329-p	GDYGHPVyIVQEMPP	27.3
EFNB2	EFNB2	Y316-p	GDYGHPVyIVQEMPP	27.3
EPB41L1	EPB41L1	Y343-p	IKIRPGEyEQFESTI	27.3
EphB3	EPHB3	Y608-p	IAPGMKVyIDPFTYE	27.3
EphB4	EPHB4	Y590-p	IGHGTKVyIDPFTYE	27.3
EPS8	EPS8	Y485-p	EHSSVSEyHPADGYA	27.3
EPS8	EPS8	Y491-p	EYHPADGyAFSSNIY	27.3
FRS2	FRS2	Y306-p	PSVNKLVyENINGLS	27.3
HER2	ERBB2	Y877-p	LDIDETEyHADGGKV	27.3
hnRNP A:	HNRNPA3	Y360-p	GRSSGSPyGGGYGSG	27.3
IRSp53	BAIAP2	Y337-p	QSKLSDSySNTLPVR	27.3
ITGB1	ITGB1	Y795-p	TTVVNPKyEGK____	27.3
JNK2	MAPK9	Y185-p	TNFMMTPyVVTRYYR	27.3
K8	KRT8	Y25-p	RAFSSRSyTSGPGSR	27.3
K8	KRT8	Y282-p	RAEAESMyQIKYEEL	27.3
LAPTM4A	LAPTM4A	Y230-p	EKEPPPPyLPA____	27.3
LISCH	LSR	Y406-p	DDSMRVLyYMEKELA	27.3
Met	MET	Y1365-p	NVKCVAPyPSLLSSE	27.3
MYH9	MYH9	Y1408-p	HEEKVAAyDKLEKTK	27.3
PAR3-alpl	PARD3	Y1080-p	RQARERDyAEIQDFH	27.3
plakophilir	PKP4	Y420-p	PIYEGRTyYSPVYRS	27.3
PLCG1	PLCG1	Y771-p	IGTAEPDyGALYEGR	27.3
PLCG1	PLCG1	Y783-p	EGRNPGFyVEANPMP	27.3
PXN	PXN	Y118-p	VGEEEHVySFPNKQK	27.3
PYGB	PYGB	Y197-p	WEKARPEyMLPVHFY	27.3
RABL6	RABL6	Y726-p	RHPGGGDyEEL____	27.3
RAIG1	GPRC5A	Y320-p	GDTLYAPySTHFQLQ	27.3
RPLP0	RPLP0	Y24-p	IIQLLDDyPKCFIVG	27.3
7-Sep	7-Sep	Y319-p	RKLAAVTyNGVDNNK	27.3
9-Sep	9-Sep	Y278-p	KAPVDFGyVGIDSIL	27.3
SHP-1	PTPN6	Y564-p	SKHKEDVyENLHTKN	27.3
snRNP 7(	SNRNP70	Y126-p	LRREFEVyGPIKRIH	27.3
SPRY1	SPRY1	Y53-p	AIRGSNEyTEGPSVV	27.3
ZNF185	ZNF185	Y408-p	PKGALADyEGKDVAT	27.3
ZO1	TJP1	Y1066-p	YRYESSSyTDQFSRN	27.3
abLIM	ABLIM1	Y461-p	GSINSPVySRHSYTP	24.2
ACTC1	ACTC1	Y55-p	GMGQKDSyVGDEAQS	24.2
ADAM9	ADAM9	Y769-p	PPREVPIyANRFAVP	24.2
ADAM9	ADAM9	Y815-p	PAPAPPLySSLT___	24.2
afadin	MLLT4	Y1497-p	IERRDLQyITVSKEE	24.2
ARHGAP!	ARHGAP5	Y1109-p	KGYSDEIyVVPDDSQ	24.2
ATP1A1	ATP1A1	Y542-p	KDAFQNAyLELGGLG	24.2
Brk	PTK6	Y447-p	RLSSFTSyENPT___	24.2
C6orf132	C6orf132	Y1142-p	KAPGSADyGFAPAAG	24.2
Cas-L	NEDD9	Y189-p	SHTTQGVyDIPPSSA	24.2
CCT-theta	CCT8	Y30-p	SGLEEAVyRNIQACK	24.2
cortactin	CTTN	Y334-p	VTQVSSAyQKTVPVE	24.2
cortactin	CTTN	Y453-p	YSMEAADyREASSQQ	24.2
cortactin i	CTTN	Y265-p	LHESQKDySKGFGGK	24.2
CrkL	CRKL	Y198-p	GNRNSNSyGIPEPAH	24.2
CTNND1	CTNND1	Y193-p	GNGGPGPyVGQAGTA	24.2
CTNND1	CTNND1	S252-p	MEGYRAPsRQDVYGP	24.2



CTNND1	CTNND1	Y335-p	EVPSDQYyWAPLAQH		24.2
CYFIP1	CYFIP1	Y108-p	QPNRVEIyEKTVEVL		24.2
CYFIP2	CYFIP2	Y108-p	QPNRVEIyEKTVEVL		24.2
DDX3Y	DDX3Y	Y69-p	CSKDKDAySSFGSRD		24.2
desmogle	DSG2	Y1013-p	QHLQDVPyVMVRERE		24.2
EGFR	EGFR	Y869-p	LGAEEKEyHAEGGKV		24.2
EPB41	EPB41	Y660-p	RLDGENIyIRHSNLM		24.2
EPB41L1	EPB41L1	Y864-p	LVTKAVVyRETDPSP		24.2
EphA3	EPHA3	Y779-p	EDDPEAAyTTRGGKI		24.2
EphA4	EPHA4	Y779-p	EDDPEAAyTTRGGKI		24.2
EphA5	EPHA5	Y833-p	EDDPEAAyTTRGGKI		24.2
EphB4	EPHB4	Y574-p	SNGREAEySDKHGQY		24.2
FAK	PTK2	T575-p	SRYMEDStYYKASKG		24.2
FCHSD2	FCHSD2	Y659-p	SLPPLPLyDQPPSSP		24.2
Fer	FER	Y714-p	RQEDGGVySSSGLKQ		24.2
G6PD	G6PD	Y401-p	VQPNEAVyTKMMTKK		24.2
GPRC5C	GPRC5C	Y387-p	KVPSEGAyDIILPRA		24.2
hnRNP A(	HNRNPA(	Y180-p	AVPKEDIySGGGGGG		24.2
hnRNP A:	HNRNPA1	Y347-p	PYGGGGQyFAKPRNQ		24.2
IRS2	IRS2	Y653-p	NLGADDGyMPMTPGA		24.2
K18	KRT18	Y36-p	VSSAASVyAGAGGSG		24.2
K7	KRT7	Y205-p	KKDVDAAyMSKVELE		24.2
KIAA0020	KIAA0020	Y259-p	SAIVEYAyNDKAILE		24.2
KIRREL	KIRREL	Y721-p	SGLERTPyEAYDPIG		24.2
KIRREL	KIRREL	Y724-p	ERTPYEAyDPIGKYA		24.2
Lyn	LYN	Y193-p	RSLDNGGyYISPRIT		24.2
Lyn	LYN	Y194-p	SLDNGGYyISPRITF		24.2
Met	MET	S1236-p	MYDKEYYsVHNKTGA		24.2
Met	MET	Y1356-p	YVHVNATyVNVKCVA		24.2
MIG-6	ERRFI1	Y394-p	KKVSSTHyYLLPERP		24.2
MPP5	MPP5	Y243-p	PITDERVyESIGQYG		24.2
nectin 1	PVRL1	Y468-p	DEDAKRPyFTVDEAE		24.2
occludin	OCLN	Y287-p	LWDKEHIyDEQPPNV		24.2
PDHA1	PDHA1	Y301-p	MSDPGVSyRTREEIQ		24.2
PDHA2	PDHA2	Y299-p	MSDPGVSyRTREEIQ		24.2
plakophilir	PKP3	Y210-p	EPAATSTyRAFAYER		24.2
plakophilir	PKP3	Y390-p	GAMRNLIyDNADNKL		24.2
plakophilir	PKP4	Y306-p	PNGPTPQyQTTARVG		24.2
PLEKHA7	PLEKHA7	Y656-p	GKSADDTyLQLKKDL		24.2
PPP1R11	PPP1R11	Y64-p	SSKCCCIyEKPRAFG		24.2
PRP4	PRPF4B	S852-p	DITPYLVsRFYRAPE		24.2
PXN	PXN	Y88-p	PQSSSPVyGSSAKTS		24.2
Ron	MST1R	Y1238-p	RDILDREyYSVQQHR		24.2
RPSA	RPSA	Y139-p	QPLTEASyVNLPTIA		24.2
SLC7A11	SLC7A11	Y15-p	STISKGGyLQGNVNG		24.2
talin 1	TLN1	Y26-p	FEPSTMVyDACRIIR		24.2
YB-1	YBX1	Y162-p	PRNYQQNyQNSESGE		24.2
Yes	YES1	Y32-p	VSTSVSHyGAEPTTV		24.2
Yes	YES1	Y194-p	SETTKGAySLSIRDW		24.2
ZO2	TJP2	Y1007-p	TQNKEESyDFSKSYE		24.2
ACP1	ACP1	Y132-p	QLIIEDPyYGNDSDF		21.2
AFAP1L2	AFAP1L2	Y54-p	SSSSDEEyIYMNKVT		21.2
AHNAK	AHNAK	Y715-p	GTKVKGEyDVTVPKL		21.2
ALDOA	ALDOA	Y5-p	___MPYQyPALTPEQ		21.2
ANXA11	ANXA11	Y482-p	RMYGKSLyHDISGDT		21.2
ANXA2	ANXA2	Y317-p	KYGKSLYyYIQQDTK		21.2
ARHGEF5	ARHGEF5	Y656-p	DRRSGRDySTVSASP		21.2
Axl	AXL	Y702-p	KKIYNGDyYRQGRIA		21.2
Axl	AXL	Y703-p	KIYNGDYyRQGRIAK		21.2
BAG3	BAG3	Y247-p	YQTHQPVyHKIQGDD		21.2
claudin 1	CLDN1	Y210-p	APSSGKDyV_____		21.2
claudin 3	CLDN3	Y214-p	GASLGTGyDRKDYV_		21.2
CLTC	CLTC	Y634-p	LEHFTDLyDIKRAVV		21.2
cofilin 1	CFL1	Y68-p	GQTVDDPyATFVKML		21.2
CrkL	CRKL	Y207-p	IPEPAHAyAQPQTTT		21.2
CTNNB1	CTNNB1	Y30-p	SHWQQQSyLDSGIHS		21.2
CTNND1	CTNND1	Y221-p	SRHYEDGyPGGSDNY		21.2

CTNND1	CTNND1	S230-p	GGSDNYGsLSRVTRI	21.2
CTNND1	CTNND1	Y302-p	DYGMMSDyGTARRTG	21.2
CXADR	CXADR	Y318-p	EGYSKTQyNQVPSED	21.2
DCBLD2	DCBLD2	Y732-p	CSSAQAQyDTPKAGK	21.2
DCBLD2	DCBLD2	Y750-p	PAPDELVyQVPQSTQ	21.2
DOCK1	DOCK1	Y1811-p	LKGSVADyGNLMENQ	21.2
EFNB1	EFNB1	Y313-p	LRTTENNyCPHYEKV	21.2
EGFR	EGFR	Y727-p	SGAFGTVyKGLWIPE	21.2
EGFR	EGFR	Y998-p	SPTDSNFyRALMDEE	21.2
EPB41L2	EPB41L2	Y623-p	RVEGDNIyVRHSNLM	21.2
EphB1	EPHB1	Y600-p	IYIDPFTyEDPNEAV	21.2
EphB2	EPHB2	Y602-p	IYIDPFTyEDPNEAV	21.2
EphB3	EPHB3	Y792-p	DDPSDPTyTSSLGGK	21.2
Erbin	ERBB2IP	Y884-p	EIGGLKIyDILSDNG	21.2
ERP29	ERP29	Y66-p	KFDTQYPyGEKQDEF	21.2
FAK	PTK2	Y570-p	GDFGLSRyMEDSTYY	21.2
Fgr	FGR	Y180-p	SETTKGAySLSIRDW	21.2
Fyn	FYN	Y185-p	SETTKGAySLSIRDW	21.2
GDI2	GDI2	Y203-p	DYLDQPCyETINRIK	21.2
GSK3A	GSK3A	S278-p	VRGEPNVsYICSRYY	21.2
GSK3B	GSK3B	S215-p	VRGEPNVsYICSRYY	21.2
HER2	ERBB2	Y735-p	SGAFGTVyKGIWIPD	21.2
HER3	ERBB3	Y1289-p	CPASEQGyEEMRAFQ	21.2
HER3	ERBB3	Y1307-p	HQAPHVHyARLKTLR	21.2
HER4	ERBB4	Y733-p	SGAFGTVyKGIWVPE	21.2
hnRNP A:	HNRNPA1	Y341-p	GGRSSGPyGGGGQYF	21.2
hnRNP A:	HNRNPA1	Y357-p	KPRNQGGyGGSSSSS	21.2
HSPC227	PDZD11	Y10-p	SRIPYDDyPVVFLPA	21.2
IRTKS	BAIAP2L1	Y274-p	SNVVRKDyDTLSKCS	21.2
ITSN2	ITSN2	Y553-p	EYQNKLIyLVPEKQL	21.2
K7	KRT7	S38-p	PGGLGSSsLYGLGAS	21.2
K8	KRT8	S24-p	PRAFSSRsYTSGPGS	21.2
KLC2	KLC2	Y345-p	GKAEEVEyYYRRALE	21.2
Lck	LCK	Y505-p	FTATEGQyQPQP___	21.2
LDLR	LDLR	Y828-p	INFDNPVyQKTTEDE	21.2
LDLR	LDLR	Y847-p	HNQDGYSyPSRQMVS	21.2
LMBRD2	LMBRD2	Y290-p	MGRNMDDyEDFDEKH	21.2
LPP	LPP	Y300-p	QGRYYEGyYAAGPGY	21.2
Lyn	LYN	Y316-p	VTREEPIyIITEYMA	21.2
MUC1	MUC1	Y1229-p	SSTDRSPyEKVSAGN	21.2
MYO10	MYO10	Y1128-p	YRCSVGTyNSSGAYR	21.2
MYO1E	MYO1E	Y989-p	RSNQKSLyTSMARPP	21.2
nectin 4	PVRL4	Y502-p	KPTGNGIyINGRGHL	21.2
PAR3-alp	PARD3	Y489-p	IGGSAPIyVKNILPR	21.2
PDHA1	PDHA1	Y289-p	MELQTYRyHGHSMSD	21.2
PDHA2	PDHA2	Y287-p	MELQTYRyHGHSMSD	21.2
PGAM4	PGAM4	Y92-p	WRLNERHyGGLTGLN	21.2
plakophilir	PKP4	Y421-p	IYEGRTYySPVYRSP	21.2
plakophilir	PKP4	Y470-p	LTYQRNNyALNTTAT	21.2
PLEKHA7	PLEKHA7	Y470-p	SLSFPENyQTLPKST	21.2
profilin 1	PFN1	Y129-p	GLINKKCyEMASHLR	21.2
PSMA2	PSMA2	Y76-p	TKHIGLVySGMGPDY	21.2
PXN iso2	PXN	Y31-p	FLSEETPySYPTGNH	21.2
SLC38A2	SLC38A2	Y28-p	SSNSDFNySYPTKQA	21.2
SLC6A8	SLC6A8	Y11-p	KSAENGIySVSGDEK	21.2
SPRY2	SPRY2	Y55-p	AIRNTNEyTEGPTVV	21.2
tensin 3	TNS3	S332-p	DPLIRWDsYENLSAD	21.2
WIRE	WIPF2	Y74-p	PKGSSGGyGSGGAAL	21.2
zyxin	ZYX	Y316-p	PQPPSFTyAQQREKP	21.2
A6	TWF1	Y309-p	ELTADFLyEEVHPKQ	18.2
abLIM	ABLIM1	Y357-p	RTSSESIySRPGSSI	18.2
Ack	TNK2	Y284-p	LPQNDDHyVMQEHRK	18.2
AHNAK	AHNAK	Y964-p	GPKVKGEyDMTVPKL	18.2
ANXA2	ANXA2	Y188-p	EDGSVIDyELIDQDA	18.2
ANXA5	ANXA5	Y94-p	PSRLYDAyELKHALK	18.2
ARHGAP!	ARHGAP5	Y1091-p	DMDPSDNyAEPIDTI	18.2
ARPP-19	ARPP19	Y65-p	KYFDSGDyNMAKAKM	18.2