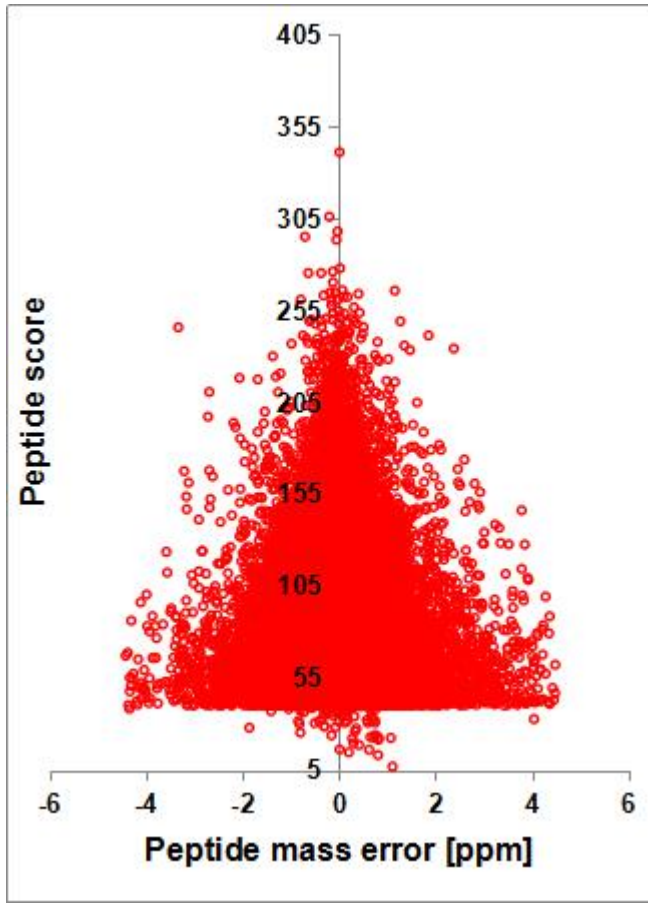
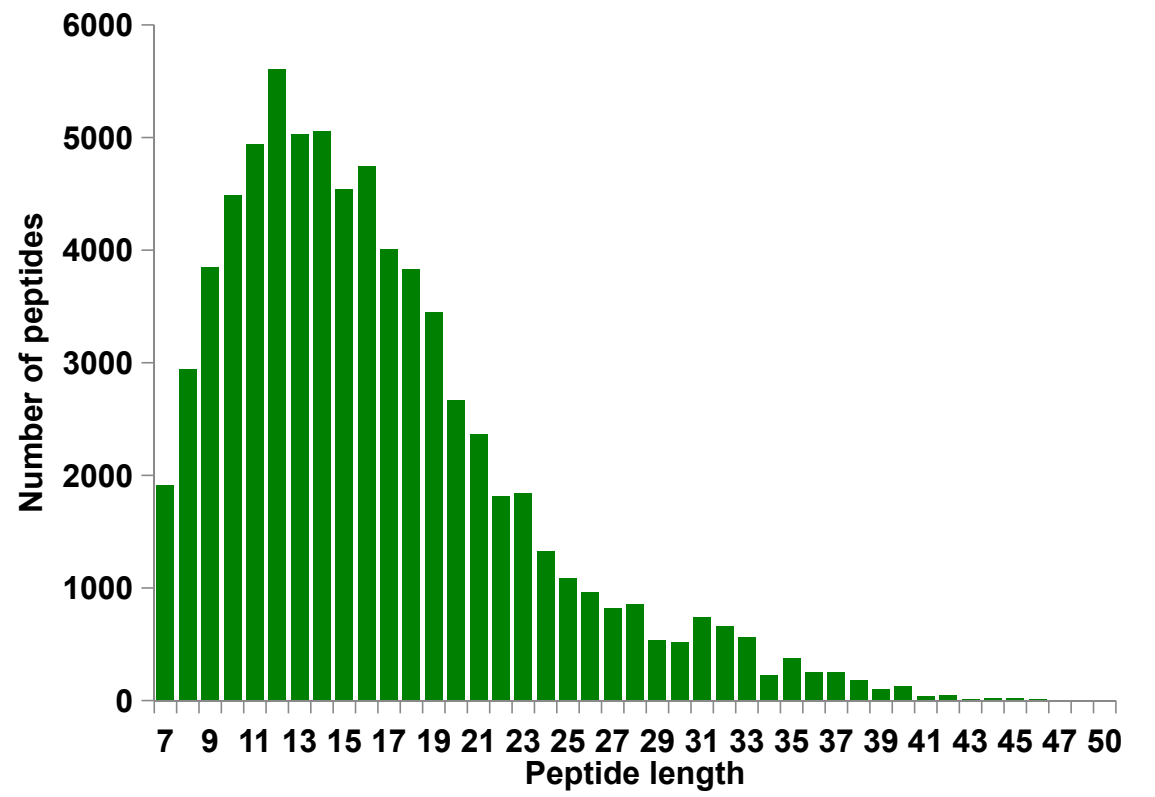


Fig. S1

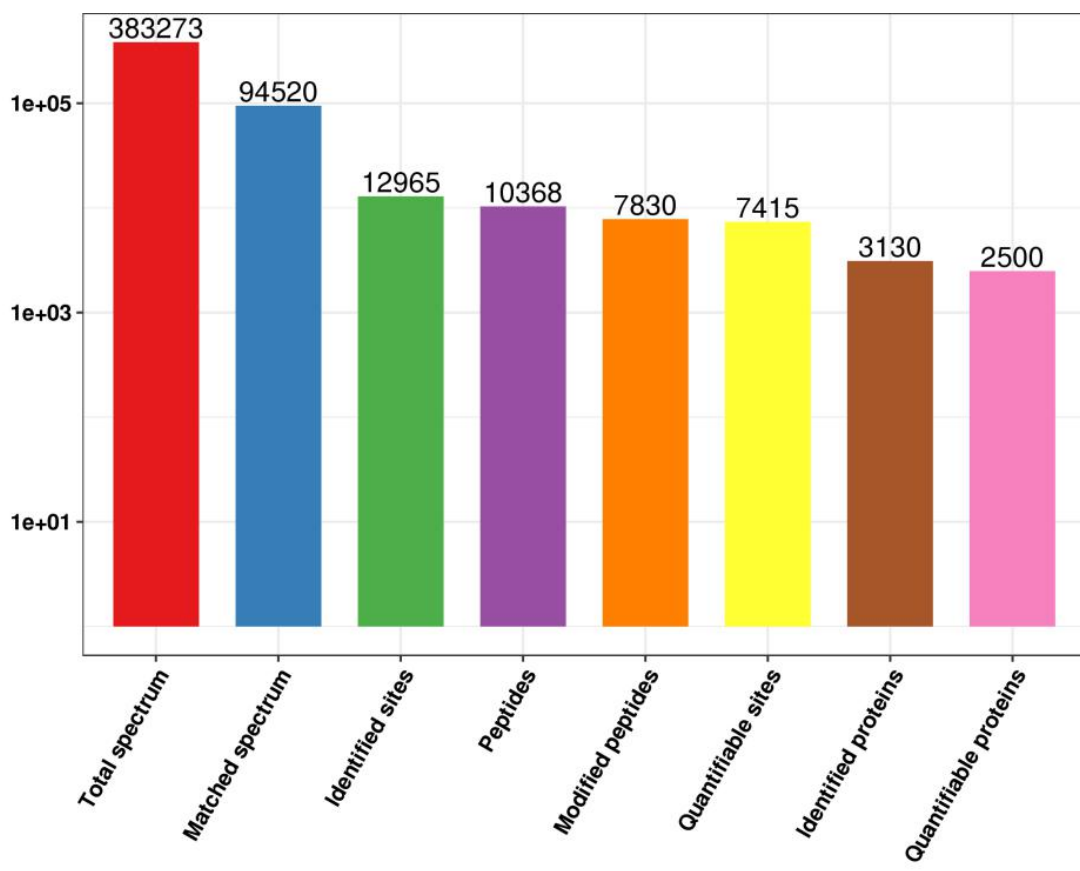
a



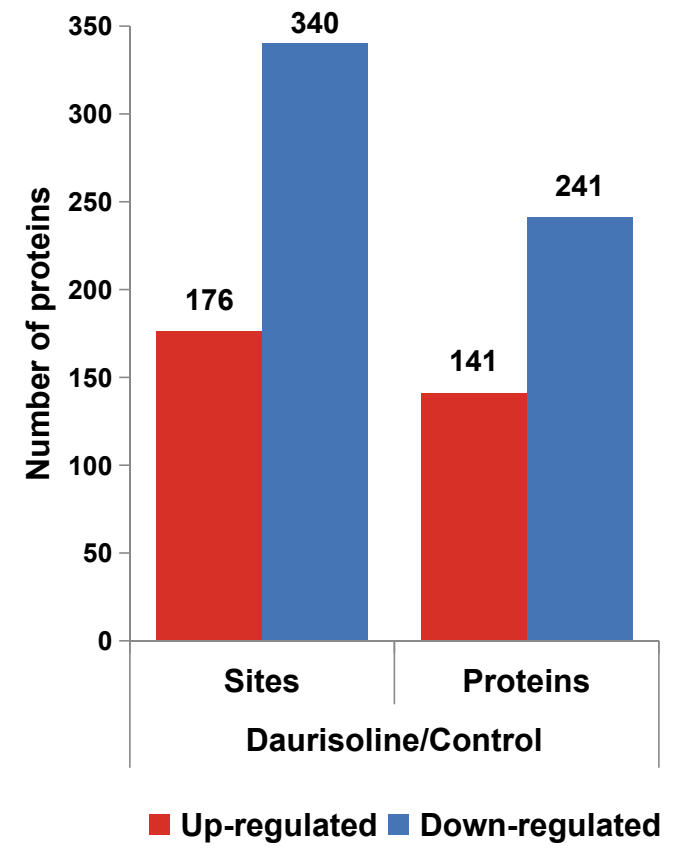
b



c



d



e

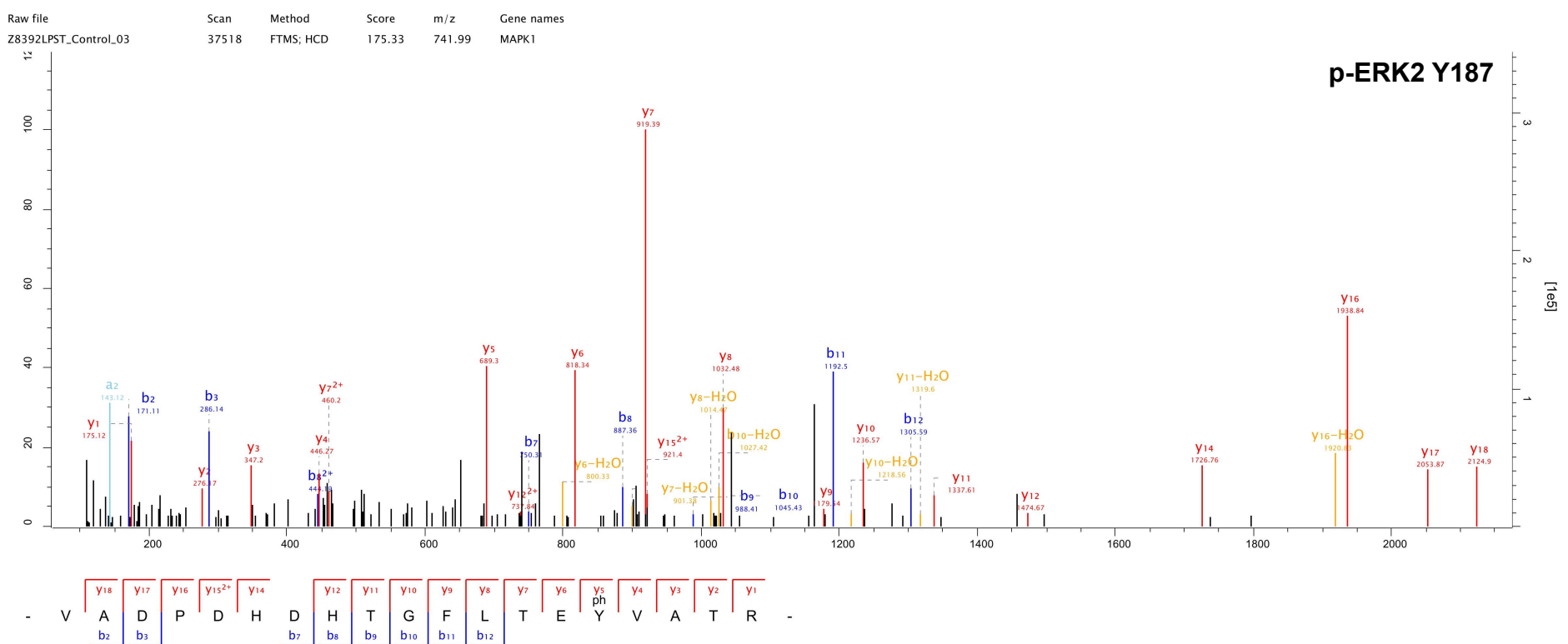
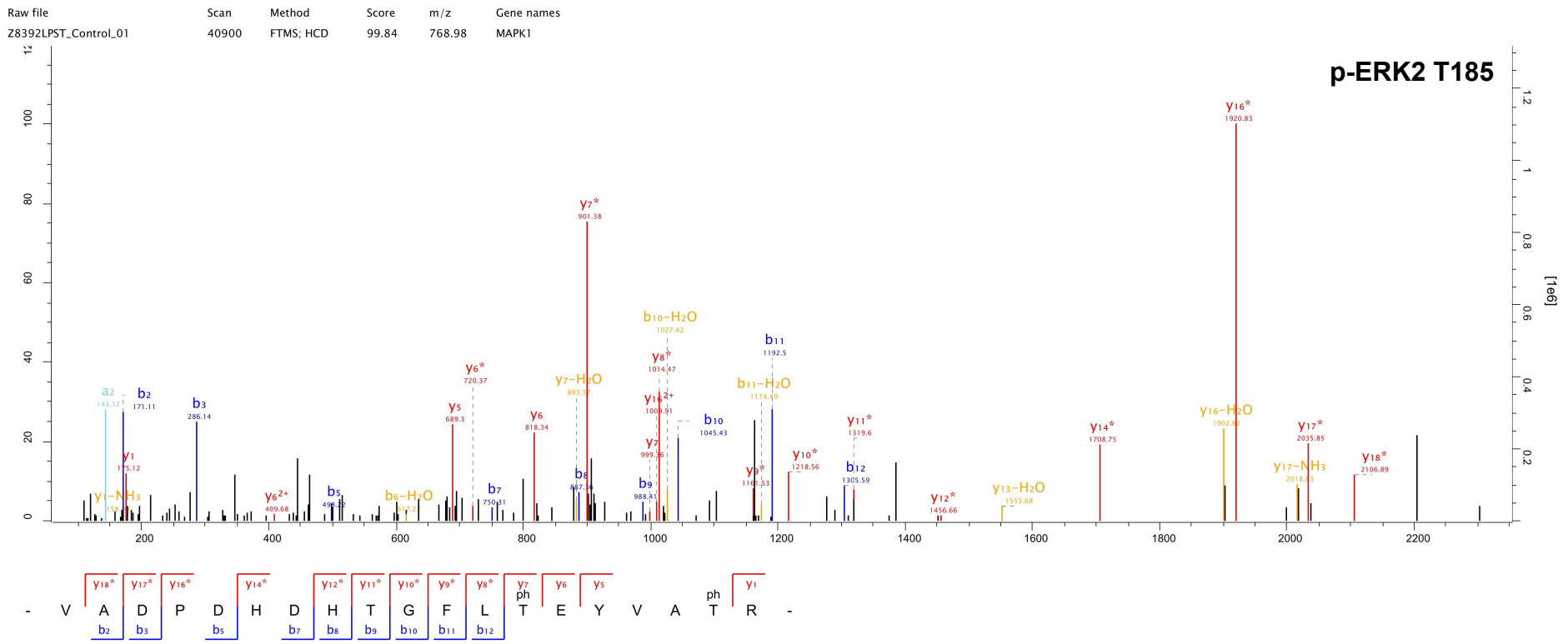


Fig. S2

KYSE 150 cell lysate	+	+	-	-
KYSE 450 cell lysate	-	-	+	+
Sepharose 4B	+	-	+	-
Daurisoline-Sepharose 4B	-	+	-	+

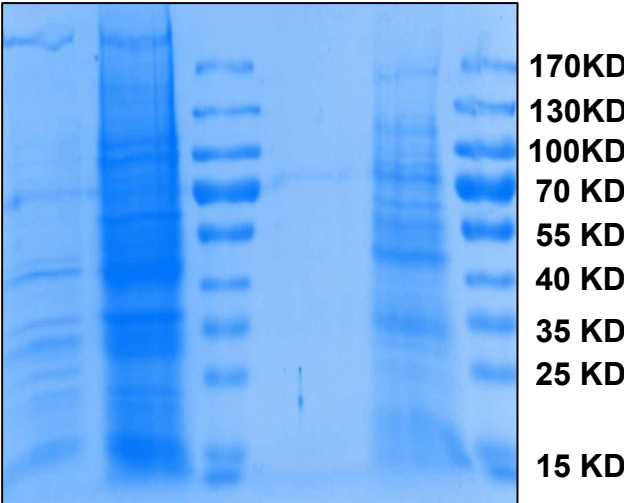


Table. S1

Gene Name	Code	Position	Peptide	Kinase Name	Kinase ID	Interaction	Predictor
MAPK1	T	185	HDHTGFLTEYVATRW	MAP2K1	Q02750	Exp.&String	STE/STE7
MAPK1	T	185	HDHTGFLTEYVATRW	MAP2K2	P36507	Exp.&String	STE/STE7
MAPK1	T	185	HDHTGFLTEYVATRW	MAP2K3	P46734	String	STE/STE7
MAPK1	T	185	HDHTGFLTEYVATRW	MAP2K4	P45985	String	STE/STE7
MAPK1	T	185	HDHTGFLTEYVATRW	MAP2K5	Q13163	String	STE/STE7
MAPK1	T	185	HDHTGFLTEYVATRW	MAP2K6	P52564	String	STE/STE7
MAPK1	T	185	HDHTGFLTEYVATRW	MAP2K7	O14733	Exp.&String	STE/STE7
MAPK1	Y	187	HTGFLTEYVATRWYR	ALK	Q9UM73	Exp.	TK/AIk
MAPK1	Y	187	HTGFLTEYVATRWYR	LTK	P29376	Exp.	TK/AIk

Table. S2

Unused ProtScore	Representative Accession	Name
38.69	sp Q02750 MP2K1	Dual specificity mitogen-activated protein kinase kinase 1
17.28	sp P36507 MP2K2	Dual specificity mitogen-activated protein kinase kinase 2
15.76	sp P46734 MP2K3	Dual specificity mitogen-activated protein kinase kinase 3
4.83	sp O14733 MP2K7	Dual specificity mitogen-activated protein kinase kinase 7