

Table 1. List of identified and quantified FOXM1 peptides

Sequence	Phosphosites	Ratio	Score	Modifications	PTM score	PTM info
TPIKETLPISSIPSK	S609 or S610 or T611	0.23	26	1Phospho_ST 1Dimethyl_N 2Dimeth_K	44.84	20.59 TpPIKETLPISSIPSK b1y15 .21.64 TPIKETLPISSIPSK b6y10 .44.84 TPIKETLPISSIPSK b10y6 .44.84 TPIKETLPISSIPSK b11y5 .44.84 TPIKETLPISSIPSK b12y4 .35.34 TPIKETLPISSIPSK b14y2 .
SPAQQESNQAEASK	S35	0.24	25	1Phospho_ST 1Dimeth_D2_N 1Dimeth_D2_K	7.45	7.45 SpPAQQESNQAEASK b1y14 .0.00 SPAQQESpNQAEASK b7y8 .0.00 SPAQQESNQAEASK b13y2 .
SPAQQESNQAEASK	S35	0.25	38	1Phospho_ST 1Dimethyl_N 1Dimeth_K	31.19	31.19 SpPAQQESNQAEASK b1y14 .6.79 SPAQQESNQAEASK b7y8 .0.00 SPAQQESNQAEASK b13y2 .
RSPAQQESNQAEASK	S35	0.30	56	1Phospho_ST 1Dimeth_D2_N 1Dimeth_D2_K	92.11	92.11 RSPAQQESNQAEASK b2y14 .36.85 RSPAQQESNQAEASK b6y8 .0.00 RSPAQQESNQAEASK b14y2 .
RSPAQQESNQAEASK	S35	0.31	52	1Phospho_ST 1Dimethyl_N 1Dimeth_K	59.35	59.35 RSPAQQESNQAEASK b2y14 .39.82 RSPAQQESNQAEASK b8y8 .4.38 RSPAQQESNQAEASK b14y2 .
RSPAQQESNQAEASK	S35	0.33	35	1Phospho_ST 1Dimethyl_N 1Dimeth_K	20.59	20.59 RSPAQQESNQAEASK b2y14 .4.47 RSPAQQESpNQAEASK b8y8 .4.57 RSPAQQESNQAEASK b14y2 .
YLTDQVFK	-	0.34	37	1Dimeth_D2_N 1Dimeth_D2_K	-	-
RPNPELR	-	0.36	33	1Dimethyl_N	-	-
EESHSHWEDSSQSPTRPK	S506 and S508	0.43	44	2Phospho_ST 1Dimethyl_N 1Dimeth_K	53.05	26.91 EESpSHWEDSSQSPTRPK b3y17 b4y16 .20.10 EESHSHWEDSSQSPTRPK b3y17 b6y14 .20.10 EESHSHWEDSSQSPTRPK b4y16 b6y14 .20.10 EESHSHWEDSSQSPTRPK b4y16 b10y10 .20.10 EESHSHWEDSSQSPTRPK b4y16 b10y10 .20.10 EESHSHWEDSSQSPTRPK b6y14 b10y10 .20.10
SKQCEMEK	-	0.48	55	1Dimeth_D2_N 2Dimeth_D2_K	-	-
SPAQQESNQAEASK	-	0.53	127	1Dimeth_D2_N 1Dimeth_D2_K	-	-
RSPAQQESNQAEASK	-	0.53	84	1Dimeth_D2_N 1Dimeth_D2_K	-	-
RSPAQQESNQAEASK	-	0.54	79	1Dimeth_D2_N 1Dimeth_D2_K	-	-
VSFWTHPSANR	-	0.56	46	1Dimeth_D2_N	-	-
ETLPISSIPSK	-	0.56	69	1Dimeth_D2_N 1Dimeth_D2_K	-	-
KMSSDGLGSR	-	0.57	40	1Dimethyl_N 1Dimeth_K	-	-
KMSSDGLGSR	-	0.61	53	1Dimeth_D2_N 1Dimeth_D2_K	-	-
MSSDGLGSR	-	0.61	70	1Dimethyl_N	-	-
SPAQQESNQAEASK	-	0.61	34	1Dimethyl_N 1Dimeth_K	-	-
TELPDGLR	-	0.69	52	1Dimethyl_N	-	-
SYSGRLSPTR	S522	0.70	28	1Phospho_ST 1Dimethyl_N	86.27	13.43 SpYSGRLSPTR b1y10 .49.68 SYSpGLRSPTR b3y8 .86.27 SYSGRLSPTR b7y4 .61.05 SYSGRLSPTR b6y2 .
LPLPVQNPSETSEEEKRSPAQQESNQAEASK	S35	0.73	65	1Phospho_ST 1Dimethyl_N 2Dimeth_K	37.14	23.06 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b10y24 .29.75 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b12y22 .29.75 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b13y21 .37.14 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b20y14 .22.59 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b26y4
LPLPVQNPSETSEEEKRSPAQQESNQAEASK	S25 or T27 or S28	0.74	49	1Phospho_ST 1Dimethyl_N 2Dimeth_K	41.21	41.21 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b10y24 .41.21 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b12y22 .41.21 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b13y21 .33.77 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b20y14 .26.96 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b26y4
LPLPVQNPSETSEEEKR	-	0.75	78	1Dimethyl_N 1Dimeth_K	-	-
EESHSHWEDSSQSPTRPK	S498 or S499	0.77	45	1Phospho_ST 1Dimethyl_N 1Dimeth_K	38.65	38.65 EESpSHWEDSSQSPTRPK b3y17 .38.65 EESHSHWEDSSQSPTRPK b4y16 .31.00 EESHSHWEDSSQSPTRPK b6y14 .31.00 EESHSHWEDSSQSPTRPK b11y9 .31.00 EESHSHWEDSSQSPTRPK b13y7 .23.55 EESHSHWEDSSQSPTRPK b15y3 .
LPLPVQNPSETSEEEKRSPAQQESNQAEASK	S35	0.77	31	1Phospho_ST 1Dimethyl_N 2Dimeth_K	31.98	19.67 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b10y24 .25.48 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b12y22 .25.48 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b13y21 .31.98 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b20y14 .19.67 LPLPVQNPSETSEEEKRSPAQQESNQAEASK b26y4
LPLPVQNPSETSEEEKR	-	0.80	85	1Dimeth_D2_N 1Dimeth_D2_K	-	-
HIAPGWK	-	0.80	27	1Dimethyl_N 2Dimeth_K	-	-
TPESWR	-	0.82	30	1Dimeth_D2_N	-	-
LPLPVQNPSETSEEEKR	-	0.90	45	1Dimeth_D2_N 1Dimeth_D2_K	-	-
SYSGRLSPTR	S522	0.90	28	1Phospho_ST 1Dimethyl_N	67.20	14.38 SpYSGRLSPTR b1y10 .54.78 SYSpGLRSPTR b3y8 .67.20 SYSGRLSPTR b7y4 .41.85 SYSGRLSPTR b6y2 .
RTEVLTGLGPKPAAR	-	0.92	56	1Dimeth_D2_N 1Dimeth_D2_K	-	-
VESPPLEEWSPAPSFK	-	0.93	58	1Dimethyl_N 1Dimeth_K	-	-
VESPPLEEWSPAPSFK	S481	0.97	105	1Phospho_ST 1Dimethyl_N 1Dimeth_K	111.87	111.87 VESPPLEEWSPAPSFK b3y15 .18.74 VESPPLEEWSPAPSFK b11y7 .4.81 VESPPLEEWSPAPSFK b15y3 .
EESHSHWEDSSQSPTRPK	-	0.98	83	1Dimethyl_N 1Dimeth_K	-	-
RPLPVQNPSETSEEEKR	-	1.03	78	1Dimeth_D2_N 1Dimeth_D2_K	-	-
HNLSLHDMFVR	-	1.03	47	1Met(ox) 1Dimeth_D2_N	83.81	83.81 HNLSLHDMoxFVR b6y4 .
HNLSLHDMFVR	-	1.04	35	1Met(ox) 1Dimethyl_N	71.15	71.15 HNLSLHDMoxFVR b6y4 .
VLLAEEIAPLSSAGPGK	-	1.07	149	1Dimethyl_N 1Dimeth_K	-	-
RTEVLTGLGPKPAAR	-	1.08	31	1Dimeth_D2_N 1Dimeth_D2_K	-	-
TPESWRLTPPAK	Te27	1.09	35	1Phospho_ST 1Dimeth_D2_N 1Dimeth_D2_K	77.31	33.80 TpPESWRLTPPAK b1y12 .67.31 TPESWRLTPPAK b4y9 .77.31 TPESWRLTPPAK b6y5 .
LPLPVQNPSETSEEEKR	-	1.10	40	1Dimethyl_N 1Dimeth_K	-	-
EESHSHWEDSSQSPTRPK	-	1.10	48	1Dimeth_D2_N 1Dimeth_D2_K	-	-
TEVLTGLGPKPAAR	-	1.10	76	1Dimethyl_N 1Dimeth_K	-	-
TEVLTGLGPKPAAR	-	1.12	54	1Dimethyl_N 1Dimeth_K	-	-
VLLAEEIAPLSSAGPGK	-	1.25	48	1Dimethyl_N 1Dimeth_K	-	-
VSFWTHPSANR	-	1.38	51	1Dimeth_D2_N	-	-
RTEVLTGLGPKPAAR	-	1.39	58	1Dimethyl_N 1Dimeth_K	-	-
TPIKETLPISSIPSK	-	1.44	56	1Dimethyl_N 2Dimeth_K	-	-
RPLPVQNPSETSEEEKR	-	1.53	45	1Dimeth_D2_N 1Dimeth_D2_K	-	-
TPIKETLPISSIPSK	-	1.59	52	1Dimethyl_N 2Dimeth_K	-	-
HNLSLHDMFVR	-	1.78	49	1Dimeth_D2_N	-	-
VPLLAASLMSELR	-	1.84	87	1Met(ox) 1Dimeth_D2_N	82.62	82.62 VPLLAASLMoxSELR b10y7 .
VLLAEEIAPLSSAGPGKEEK	-	1.88	143	1Dimethyl_N 2Dimeth_K	-	-
VLLAEEIAPLSSAGPGKEEK	-	1.96	82	1Dimeth_D2_N 2Dimeth_D2_K	-	-
VLLAEEIAPLSSAGPGKEEK	-	2.01	30	1Dimeth_D2_N 2Dimeth_D2_K	-	-
VPLLAASLMSELR	-	2.03	102	1Dimeth_D2_N	-	-
VPLLAASLMSELR	-	2.05	36	1Dimeth_D2_N	-	-
SLTEGLVLDLNDLSL	-	2.06	112	1Met(ox) 1Dimeth_D2_N 1Dimeth_D2_K	128.58	128.58 SLTEGLVLDLNDLSL b11y7 .
VPLLAASLMSELR	-	2.19	55	1Met(ox) 1Dimeth_D2_N	28.22	28.22 VPLLAASLMoxSELR b10y7 .
OEMEEKENHLEQR	-	2.40	35	1Met(ox) 1Dimeth_D2_N 1Dimeth_D2_K	69.17	69.17 OEMEEKENHLEQR b3y12 .
OEMEEKENHLEQR	-	2.56	34	1Dimeth_D2_N 1Dimeth_D2_K	-	-
OEMEEKENHLEQR	-	2.65	30	1Dimethyl_N 1Dimeth_K	-	-
SLTEGLVLDLNDLSL	-	2.65	133	1Dimeth_D2_N 1Dimeth_D2_K	-	-
SLTEGLVLDLNDLSL	-	3.75	62	1Dimeth_D2_N 1Dimeth_D2_K	-	-
CVSEMLVIOHR	-	3.91	53	1Met(ox) 1Dimeth_D2_N	134.56	134.56 CVSEMLVIOHR b5y7 .
DVNLPRPPGALCEQK	-	4.48	50	1Dimeth_D2_N 1Dimeth_D2_K	-	-
DVNLPRPPGALCEQK	-	4.60	48	1Dimeth_D2_N 1Dimeth_D2_K	-	-
CVSEMLVIOHR	-	5.38	86	1Dimeth_D2_N	-	-
CVSEMLVIOHR	-	5.66	45	1Met(ox) 1Dimeth_D2_N	119.71	119.71 CVSEMLVIOHR b5y7 .
SPAQQESNQAEASKEAESNCKFPAGIK	-	5.96	26	1Dimeth_D2_N 3Dimeth_D2_K	-	-
CVSEMLVIOHR	-	7.13	56	1Dimeth_D2_N	-	-
DVNLPRPPGALCEQK	-	7.53	26	1Dimeth_D2_N 1Dimeth_D2_K	-	-
EVAESNCKFPAGIK	-	9.04	44	1Dimeth_D2_N 2Dimeth_D2_K	-	-
FILSGGAPTQFPLRPTQTYSYDK	-	9.20	76	1Dimeth_D2_N 1Dimeth_D2_K	-	-
DVNLPRPPGALCEQK	-	9.70	31	1Dimethyl_N 1Dimeth_K	-	-
SPAQQESNQAEASKEAESNCK	-	13.97	87	1Dimethyl_N 2Dimeth_K	-	-
QHLLPPVDEPELLFEGPSTSR	-	14.92	75	1Dimeth_D2_N	-	-
RSPAQQESNQAEASKEAESNCK	-	16.65	65	1Dimeth_D2_N 2Dimeth_D2_K	-	-