

Figure 1-figure supplement 3. Table for the list of NDEL1 PTMs identified from mouse developing brain lysates.

Domain	Sequence	Modifications	Rank	XCorr	ΔScore	Charge	Precursor m/z [Da]	ΔM [ppm]	Notes
193-223	[R].KSAPsPTLDcEKMDsAVQASLSLPATPVGK.[G]	S6(Phospho); C11(CAM)	1	5.22	0.01	3	1084.86084	4.67	S198; C203
		S5(Phospho); C11(CAM)	2	5.16					S197; C203
		S2(Phospho); C11(CAM)	3	5.07					S194; C203
<u>194-223</u>	<u>[K].sAPSSPTLDcEKMDsAVQASLSLPATPVGK.[G]</u>	<u>C10(CAM)</u>	<u>1</u>	<u>4.69</u>	<u>1</u>	<u>3</u>	<u>1015.5069</u>	<u>4.82</u>	<u>C203</u>
194-223	[K].sAPSSPTLDcEKMDsAVQASLSLPATPVGK.[G]	S1(Phospho); C10(CAM)	1	4.33	0.02	2	1562.7428	6.56	S194; C203
		S4(Phospho); C10(CAM)	2	4.26					S197; C203
		S5(Phospho); C10(CAM)	3	4.24					S198; C203
		T7(Phospho); C10(CAM)	4	4.22					T200; C203
194-223	[K].sAPsSPTLDcEKMDsAVQASLSLPATPVGK.[G]	S1(Phospho); S4(Phospho); C10(CAM)	1	3.14	0.03	2	1602.71619	0.3	S194; S197; C203
		S4(Phospho); S5(Phospho); C10(CAM)	2	3.05					S197; S198; C203
284-305	[R].KSYVPGSVNcGVMNSNGPecPR.[S]	C10(CAM); C20(CAM)	1	1.99	1	2	1205.04285	1.66	C293; C303
285-305	[K].SYVPGSVNcGVMNSNGPecPR.[S]	C9(CAM); C19(CAM)	1	4.76	1	2	1140.99597	2.29	C293; C303
<u>315-345</u>	<u>[K].GAVNGFDPAPPPGLGSSRPSSAPGMLPLSV.[-]</u>	<u>S18(Phospho)</u>	<u>1</u>	<u>4.88</u>	<u>0.03</u>	<u>3</u>	<u>1003.82434</u>	<u>1.49</u>	<u>S332</u>
		<u>S22(Phospho)</u>	<u>2</u>	<u>4.72</u>					<u>S336</u>
		<u>S21(Phospho)</u>	<u>2</u>	<u>4.72</u>					<u>S335</u>
315-345	[K].GAVNGFDPAPPPGLGSSRPSSAPGMLPLsV.[-]	S30(Phospho)	1	4.96	0.32	3	1003.8313	8.43	S344