

Supplemental Table 2. Proteins with significantly altered phosphorylation in *Obscn-ΔIg58/59* atria at 6-months.

UniProt Accession	Gene	Protein Name	Site	Fold Change	P-value
E9Q1I5	<i>ABCC1</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	Ser289	-3.12	2.68E-02
E9Q559	<i>ATP2A3</i>	ATPase, Ca ⁺⁺ transporting, ubiquitous	Ser729*	-7.38	1.31E-02
P59017	<i>BCL2L1L13</i>	BCL2-like 13 (apoptosis facilitator)	Thr389	-3.87	1.75E-02
Q63918	<i>CAVIN2</i>	Caveolae associated 2	Ser/Thr ₃₁₅₋₃₅₁	-3.81	1.28E-02
Q923F1	<i>CLNS1A</i>	Chloride channel, nucleotide-sensitive, 1A	Ser100	4.34	2.01E-02
Q76LL6	<i>FHOD3</i>	Formin homology 2 domain containing 3	Thr413; Ser417	-16.69	1.63E-03
Q3UHU8	<i>GTF2I</i>	General transcription factor II I	Thr623; Ser628	26.24	1.74E-02
Q9JKS4	<i>LDB3</i>	LIM domain binding 3	Thr119; Ser123	-16.36	5.98E-03
F6TFN2	<i>LMO7</i>	LIM domain only 7	Ser189	72.97	1.56E-06
Q14BP6	<i>LRRC74B</i>	Leucine rich repeat containing 74B	Ser253*; Ser260*	6.91	2.45E-02
P14873	<i>MAP1B</i>	Microtubule-associated protein 1B	Thr834; Ser ₈₂₅₋₈₄₉	-11.36	4.32E-03
A0A0A0MQC7	<i>MAPT</i>	Microtubule-associated protein tau	Ser688; Ser692; Ser696	-3.51	1.87E-02
Q9QVP4	<i>MYL7</i>	Myosin, light polypeptide 7, regulatory	Ser22	-59.72	3.68E-05
Q9JJW5	<i>MYOZ2</i>	Myozenin 2	Ser95; Ser116	-3.40	1.03E-02
Q9JJW5	<i>MYOZ2</i>	Myozenin 2	Thr111; Ser116; Ser/Thr/Tyr ₉₂₋₁₃₂	6.30	3.41E-02
A0A087WRY3	<i>NUCKS1</i>	Nuclear casein kinase and cyclin-dependent kinase substrate 1	Ser75; Ser79	-110.89	1.47E-03
A2AJ88	<i>PNPLA7</i>	Patatin-like phospholipase domain containing 7	Tyr283*; Thr286*	-6.39	2.33E-02
P63250	<i>KCNJ3</i>	Potassium inwardly-rectifying channel, subfamily J, member 3	Ser442	-3.16	1.39E-02
Q9ERE3	<i>SGK3</i>	Serum/glucocorticoid regulated kinase 3	Ser126; Ser129	-3.39	9.48E-04

Q61165	<i>SLC9A1</i>	Solute carrier family 9 (sodium/hydrogen exchanger), member 1	Ser609; Ser/Thr ₆₀₁₋₆₁₆	-4.66	1.26E-02
A0A286Y D34	<i>SORBS1</i>	Sorbin and SH3 domain containing 1	Ser15; Ser/Thr/Tyr ₅₋₄₄	3.51	3.44E-02
E9PUK6	<i>SRRM1</i>	Serine/arginine repetitive matrix 1	Ser743; Thr745	-6.16	5.87E-04
E9PUK6	<i>SRRM1</i>	Serine/arginine repetitive matrix 1	Ser645; Ser647	-20.45	3.33E-03
E9PUK6	<i>SRRM1</i>	Serine/arginine repetitive matrix 1	Ser702; Ser704	-84.17	8.60E-03
Q8CH02	<i>SUGP1</i>	SURP and G patch domain containing 1	Thr128; Thr136	108.94	3.52E-03
Q8BWB1	<i>SYNPO2L</i>	Synaptopodin 2-like	Ser89; Ser/Thr ₈₃₋₁₂₆	-3.45	3.99E-02
A2ASS6	<i>TTN</i>	Titin	Ser34063; Ser/Thr/Tyr ₃₄₀₆₂₋₃₄₀₈₀	-11.48	4.75E-02
Q8VBT1	<i>TXLNB</i>	Taxilin beta	Ser467*; Ser/Thr ₄₆₆₋₅₀₁	2.87	1.48E-02
A0A498 WFS2	<i>UBXN1</i>	UBX domain protein 1	Ser/Thr ₁₅₂₋₁₇₃	-12.03	1.57E-02
Q8K0L9	<i>ZBTB20</i>	Zinc finger and BTB domain containing 20	Thr695; Ser/Thr ₆₈₀₋₇₀₀	-3.54	3.77E-02

Rows that contain multiple phosphorylation sites represent peptides that are doubly or triply phosphorylated. Ambiguous phosphorylation sites (with a probability <75%) are indicated by the range of amino acids corresponding to the identified peptide as a subscript. Amino acid numbering corresponds to the UniProt accession number listed with each protein. Phosphorylation sites marked with * indicate a novel phosphorylation site not previously annotated in PhosphoSitePlus (v. 6.6.0.4.). Ser, Serine; Thr, Threonine; Tyr, Tyrosine.