

MONTEIRO DA ROCHA ET AL., SUPPLEMENTAL TABLES

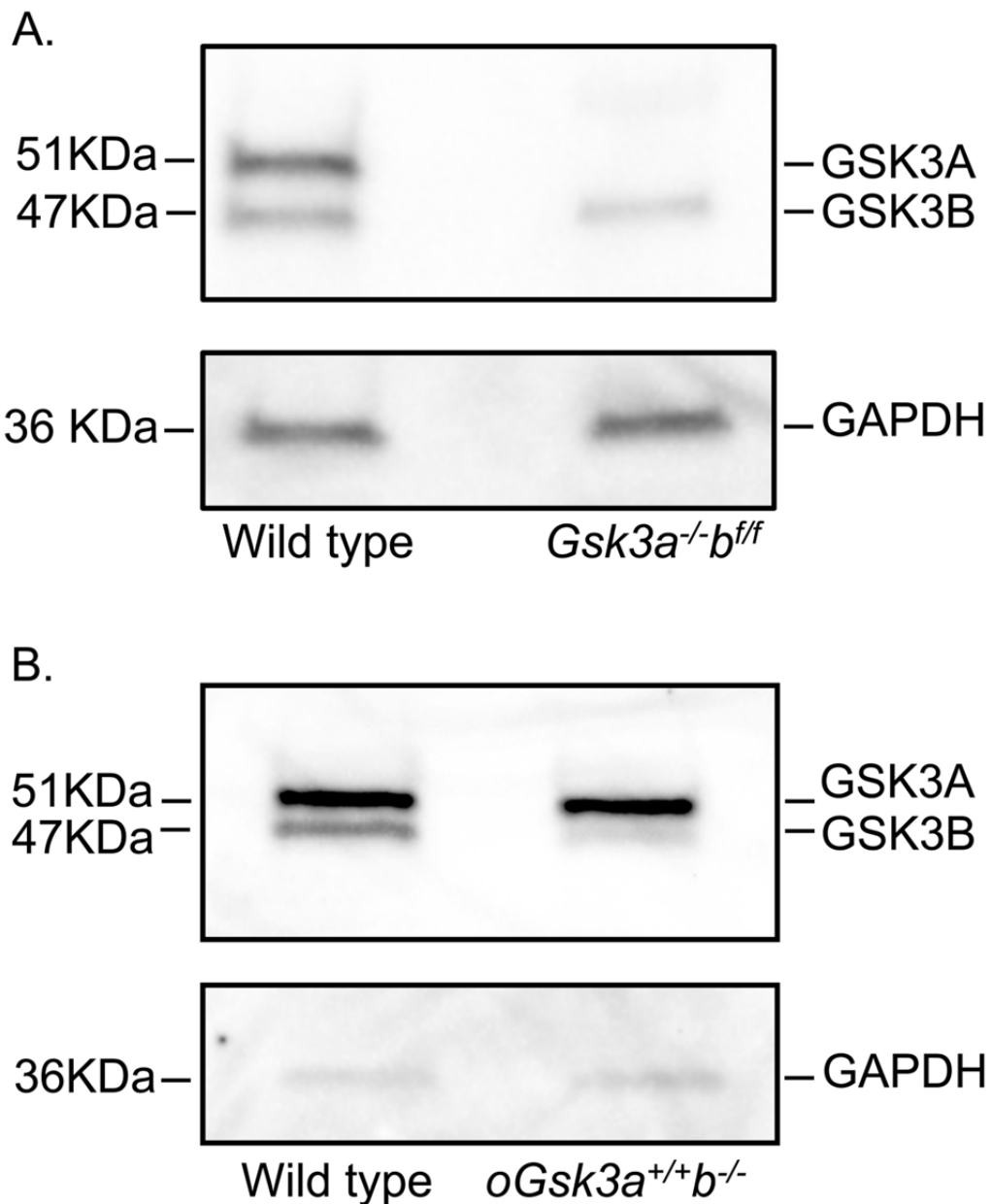
SUPPLEMENTAL TABLE S1. Primer sequences.

Gene name	Primer sequence	Amplicon size
<i>Gsk3a</i>	Forward: 5' cccccaccaagtgatttcaactgcta 3' Backward: 5' aacatgaaattccgggctccaactctat 3'	~550bp Wild type ~250bp Knockout
<i>Gsk3b</i>	Forward: 5' ggggcaaccttaattcatt 3' Backward: 5' gtgtctgtataactgacttctgtggc 3'	~600bp wild type ~700bp lox flanked gene
Cre-recombinanase	Forward: 5' gcggtctggcagtaaaaactatc 3' Backward: 5' gtgaaacagcattgctgtcactt 3'	~100bp

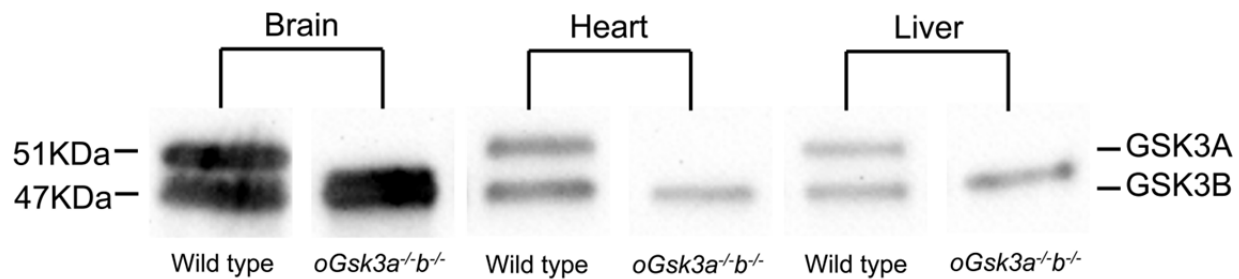
SUPPLEMENTAL TABLE S2. Primer sequences.

Gene name	Primer sequences	Amplicon size
<i>Gsk3a</i>	Forward: 5'GTGACAGCGGGAAGGTGAC3' Backward: 5'CTTCTTGATGGCCACCAGTT3'	~163bp
<i>Gsk3b</i>	Forward: 5'GGCAGCAAGGTAACCACAGT 3' Backward: 5'GATGGCAACCAGTTCTCCAG3'	~153bp

MONTEIRO DA ROCHA ET AL., SUPPLEMENTAL FIGURES



Supplemental Figure S1. Expression of GSK3 isoforms in *Gsk3a*^{-/-}*b*^{f/f} and *oGsk3a*^{+/+}*b*^{-/-} derived oocytes. Oocytes obtained from wild type females present bands corresponding to GSK3A and GSK3B. (A) Oocytes from *Gsk3a*^{-/-}*b*^{f/f} had GSK3A below detection limits and oocytes from *oGsk3a*^{+/+}*b*^{-/-} had GSK3B markedly reduced compared to controls (wild type).



Supplemental Figure S2. Image of western blot of somatic GSK3 protein in brain, heart and liver of wild type and *oGsk3a^{-/-}b^{-/-}* females. Wild type females had GSK3A (51KDa) and GSK3B (47KDa) in all analyzed tissues, while *oGsk3a^{-/-}b^{-/-}* presented a single band correspondent to GSK3B.