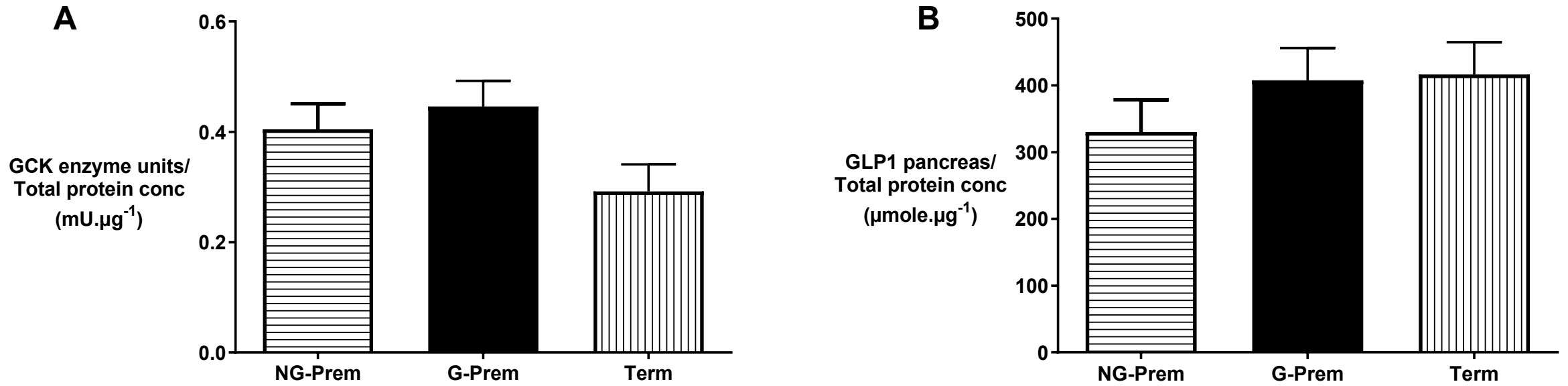


Supplemental Figure 1. Animal distribution from birth to adulthood.



Supplemental Figure 2. Pancreatic glucokinase (GCK) enzyme units and glucagon-like peptide 1 (GLP1) concentration. (A) Pancreatic GCK enzyme units, and (B) GLP1 concentration at 4 weeks post-term in term born (Term; 3M/3F), glucocorticoid induced preterm (G-Prem; 2M/4F), and non-glucocorticoid induced preterm (NG-Prem; 3M/3F) lambs. Data are mean with SEM.

Supplemental Table 1. Primers and Probe sequence for TaqMan gene expression assay based qPCR. The fluorescent reporter dyes (FAM and VIC) are bound to the 5' end of the TaqMan probe. MGBNFQ is the minor-groove binding non-fluorescent quencher present at the 3' end of the TaqMan probe. T_m is the melting temperature. The melting temperatures for primers and probe designed by Applied Biosystem are not available. The base pair of nucleotides for the amplicon is represented by bp.

Gene Name		Sequence of Primers and Probe	Melting Temp (T _m) °C	Product Size	Gene Bank Accession ID
<i>glut2/ slc2a2</i> (<i>Ovis aries</i>)	Forward Primer Reverse Primer Probe	5'- GAAGAATCAAAGCCCTGTTGGT - 3' 5'- TTCGAAAACCCCATCAAGAGA - 3' 6FAM-CAAACATTCTTTCATTAGTTGGA- MGBNFQ	58 58 68	70 bp	AJ318925
<i>pepck</i> (<i>Ovis aries</i>)	Forward Primer Reverse Primer Probe	5' TGGGCCGCTGGATGTC 3' 5'CCGGAAATCGGACGTTGA 3' 6FAM-CGCTTTCTCAAATCCT -MGBNFQ	59 59 70	60 bp	EF062862
<i>ppara</i> (<i>Ovis aries</i>)	Forward Primer Reverse Primer Probe	5' TGCCTTTCCGTGGGATGT 3' 3' CTTTTTCAGATCTTGGCATTTCGT 5' 6FAM- CCATAACGCGATTTCGT -MGBNFQ	58 58 69	65 bp	AY369138.1
<i>srebp1</i> (<i>Ovis aries</i>)	Forward Primer Reverse Primer Probe	5'CACATGTCCACCTGCTAACTCT3' 3' GCTTGTCAGTGTCCTACTACCA 5' 6FAM-CTGGT GAGTGGCGGG-MGBNFQ		97 bp	GU206528.1
<i>hprt1</i> (<i>Ovis aries</i>)	Forward primer Reverse primer Probe	5'- AGGTGTTTATTCCTCATGGACTAATTATGG -3' 5'-CACCCATCTCCTTCATCACATCTC-3' 6FAM-ACAGGACCGAACGACTG - MGBNFQ		77 bp	EF078978

FAM / VIC = Fluorescent reporter dyes bound to the TaqMan probe, MGBNFQ = Molecular-groove binding non-fluorescence quencher, and bp = Base pairs