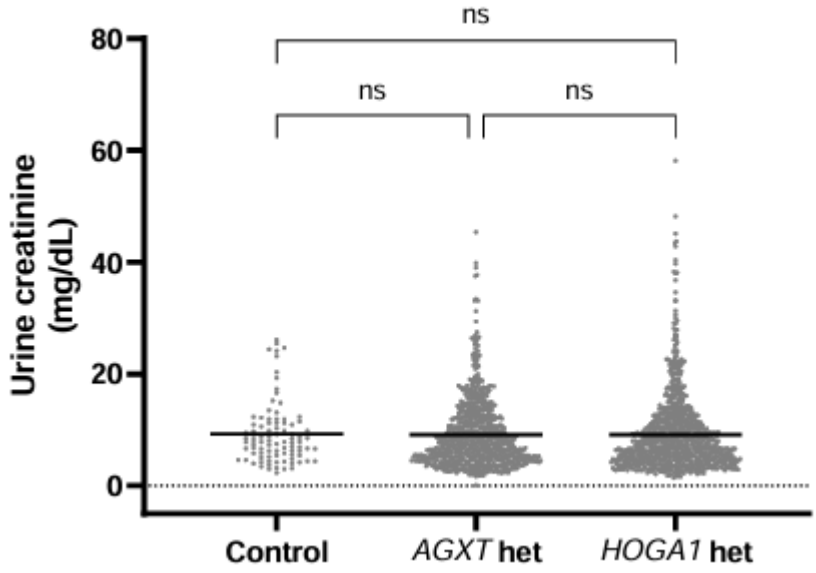
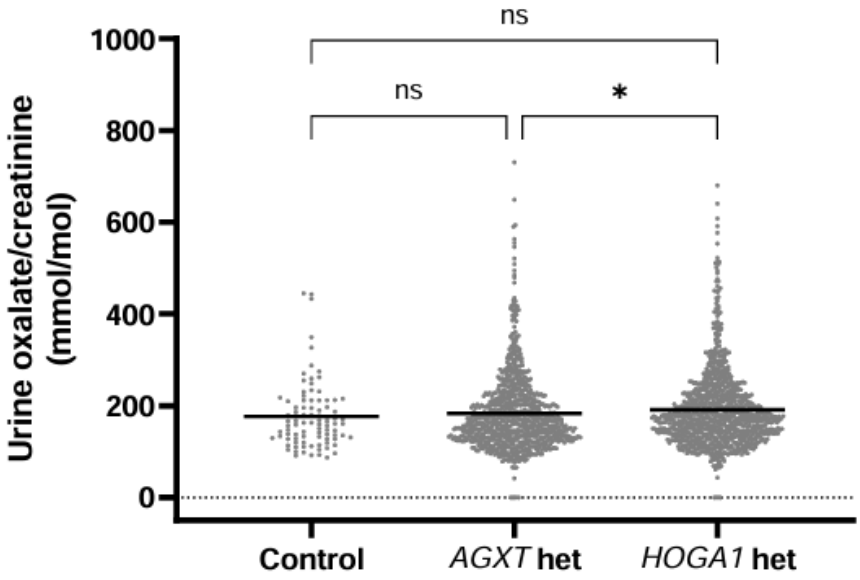
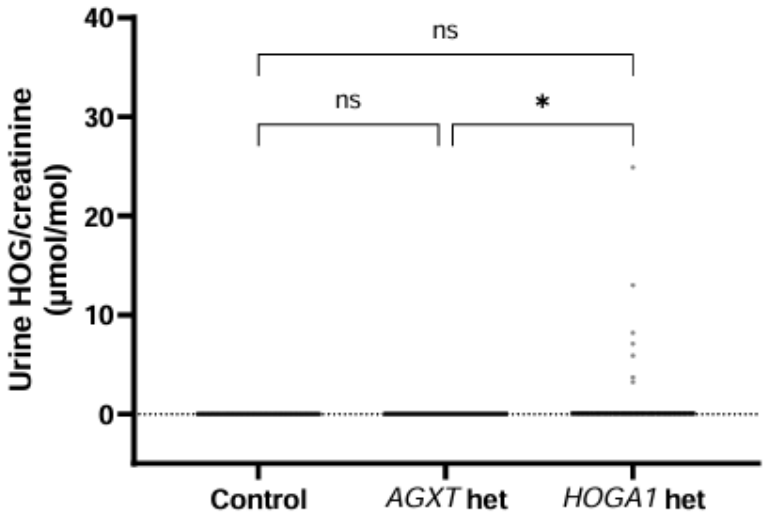
Supplemental material



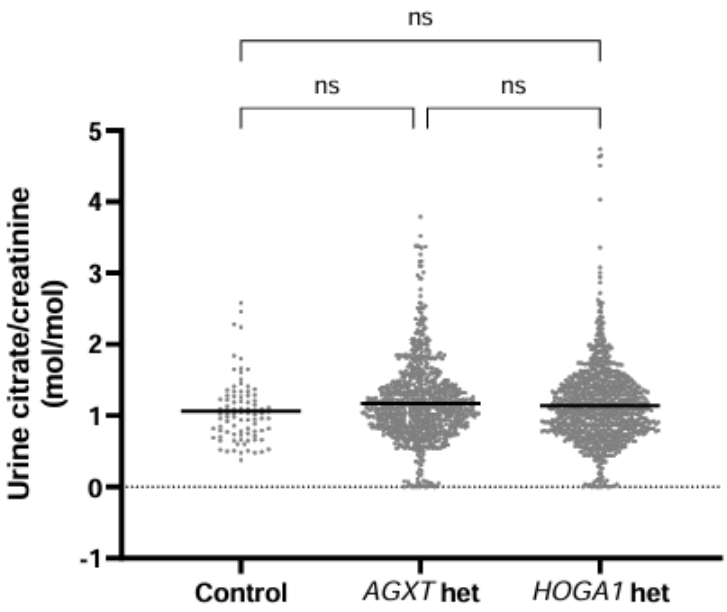
Supplemental figure 1: Scatter dot plots comparing mean urinary creatinine excretion values in the three groups. Control = newborns carrying no variant, *AGXT* het = newborns heterozygous for c.508G>A in the *AGXT* gene, *HOGA1* het = newborns heterozygous for c.700+5G>T in the *HOGA1* gene. ns, not significant.



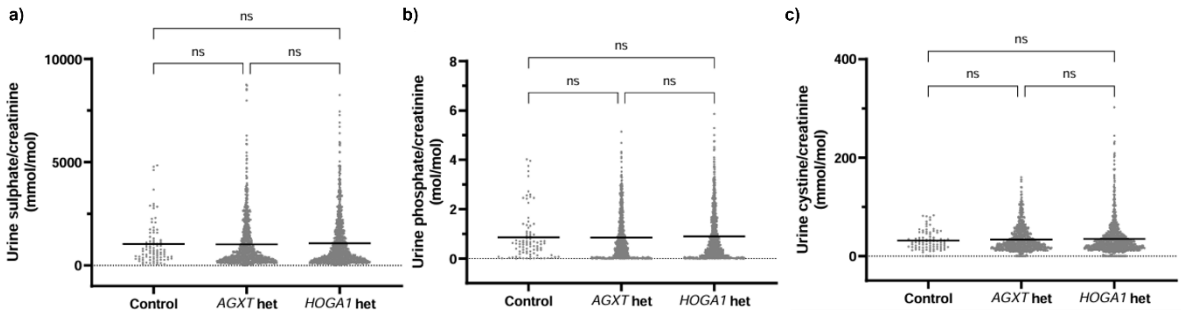
Supplemental figure 2: Scatter dot plots comparing mean urinary oxalate-to-creatinine molar ratios in the three groups. Control = newborns carrying no variant, AGXT het = newborns heterozygous for c.508G>A in the AGXT gene, HOGA1 het = newborns heterozygous for c.700+5G>T in the HOGA1 gene. * $p < 0.005$, ns, not significant.



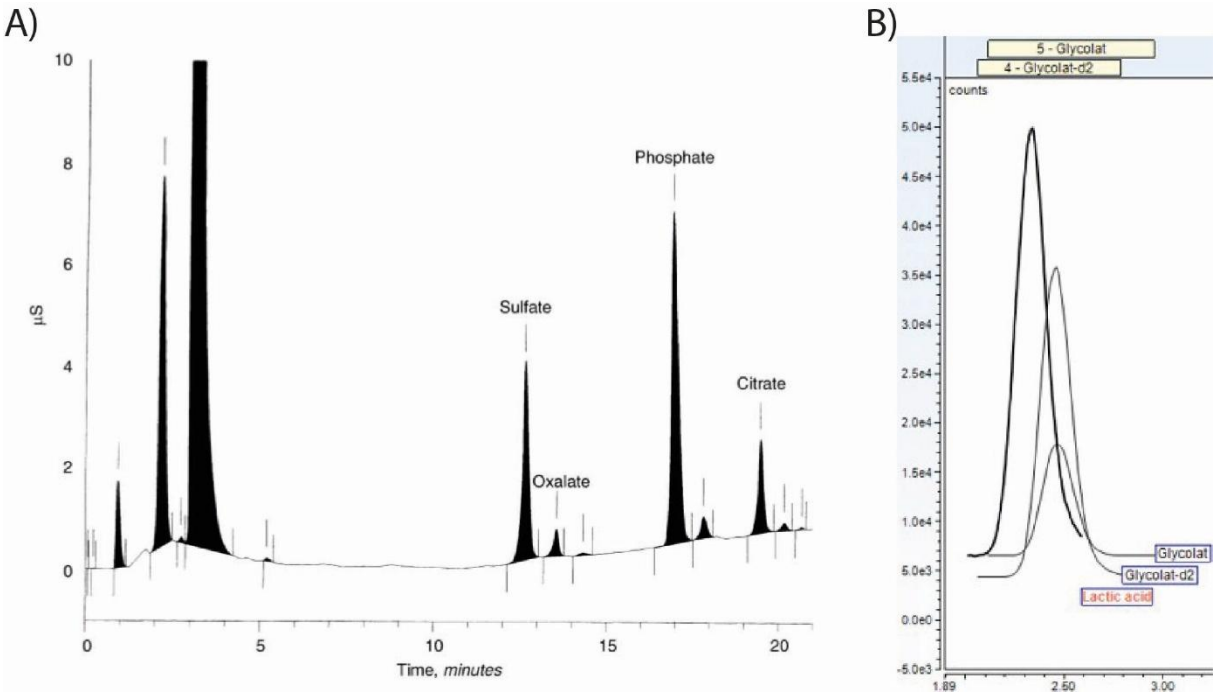
Supplemental figure 3: Scatter dot plot comparing mean urinary HOG-to-creatinine molar ratios in the three groups. Control = newborns carrying no variant, AGXT het = newborns heterozygous for c.508G>A in the AGXT gene, HOGA1 het = newborns heterozygous for c.700+5G>T in the HOGA1 gene. * $p < 0.05$, ns, not significant.



Supplemental figure 4: Scatter dot plot comparing mean urinary citrate-to-creatinine molar ratios in the three groups. Control = newborns carrying no variant, AGXT het = newborns heterozygous for c.508G>A in the AGXT gene, HOGA1 het = newborns heterozygous for c.700+5G>T in the HOGA1 gene. ns, not significant.



Supplemental figure 5: Scatter dot plots comparing mean urinary creatinine molar ratios of a) sulphate, b) phosphate and c) cystine in the three groups. Control = newborns carrying no variant, AGXT het = newborns heterozygous for c.508G>A in the AGXT gene, HOGA1 het = newborns heterozygous for c.700+5G>T in the HOGA1 gene. ns, not significant.



Supplemental figure 6. Ion chromatography (IC) versus IC coupled to mass spectrometry (ICMS) for detection of oxalate and glycolate. A) Chromatograph from ion chromatography (IC): The glycolate peak has an equivalent retention time with fluoride, bromide and lactate in IC (as highlighted in the red rectangle), thus mass determination is necessary to distinguish peaks and to prevent inadequate reporting**.** B) Chromatograph from mass spectrometry (MS) retention times (RT): Glycolate, RT = 2.47 min (50 % width = 0.30 min), 190 µmol/L; Glycolate-d2, RT = 2.46 min (0.31); Lactate, RT = 2.34 min (50 % width 0.31 min), ca. 3 mmol/L.