

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Details on the UK biobank and the second meta-analysis studies

File Name: Supplementary Data 2

Description: Association statistics for lead variants of 424 genome-wide significant ($P < 5 \times 10^{-8}$) eGFRcrea loci

File Name: Supplementary Data 3

Description: Results for 264 lead variants from Wuttke et al

File Name: Supplementary Data 4

Description: Secondary meta-analysis and combined primary + secondary meta-analysis association results for lead variants of 424 genome-wide significant ($P < 5 \times 10^{-8}$) eGFRcrea loci

File Name: Supplementary Data 5

Description: Meta-analysis results for eGFRcys and BUN

File Name: Supplementary Data 6

Description: Multiple independent signals and explained variance

File Name: Supplementary Data 7

Description: Statistical fine mapping results

File Name: Supplementary Data 8

Description: Signal table of 634 independent signals at 424 eGFRcrea associated loci

File Name: Supplementary Data 9

Description: CADD results and annotations

File Name: Supplementary Data 10

Description: Significant eQTLs in NEPTUNE glomerular or tubulo-interstitial tissue

File Name: Supplementary Data 11

Description: Significant eQTLs or sQTLs in GTEx kidney tissue

File Name: Supplementary Data 12

Description:

- a. Significant eQTLs in GTEx tissues (except kidney) at known loci.
- b. Significant eQTLs in GTEx tissues (except kidney) at novel loci.
- c. Significant sQTLs in GTEx tissues (except kidney) at known loci.
- d. Significant sQTLs in GTEx tissues (except kidney) at novel loci.

File Name: Supplementary Data 13

Description: Annotation of the 138 small credible sets

File Name: Supplementary Data 14

Description:

- a. Genepriortisation (GPS) for the 424 eGFRcrea loci in a per signal view
- b. Genepriortisation (GPS) for the 424 eGFRcrea loci in a per locus view

File Name: Supplementary Data 15

Description: Mouse Genome Informatics (MGI) kidney entries

File Name: Supplementary Data 16

Description: Monogenic kidney-related diseases or phenotypes in human

File Name: Supplementary Data 17

Description: Tissue and cell-type specific enrichment analyses in data by GTEx, Wu et al and Stewart et. al

File Name: Supplementary Data 18

Description: Tissue enrichment analyses by DEPICT

File Name: Supplementary Data 19

Description: DEPICT gene set enrichment analyses

File Name: Supplementary Data 20

Description: Celltype-specific gene-expression (Wu et al and Stewart et al data)

File Name: Supplementary Data 21

Description: Colocalization results in NEPTUNE tissues

File Name: Supplementary Data 22

Description: Celltype specific heritability based on LDSC and LDSC-seg