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Supplementary Table 1. Full results of discovery analysis listed as prioritized cell types estimated by LDSC in blood pressure related phenotypes.

Cell type*	SBP			DBP		
	Beta	Se	P-value	Beta	Se	P-value
Myofibroblast	1.17E-08	3.30E-09	<b>1.88E-04</b>	1.29E-08	3.26E-09	<b>3.65E-05</b>
Descending.vasa.recta.endothelium	7.71E-09	2.80E-09	2.93E-03	1.22E-08	3.05E-09	<b>3.12E-05</b>
Peritubular.capillary.endothelium2	7.25E-09	2.94E-09	6.81E-03	1.02E-08	2.99E-09	<b>3.21E-04</b>
Proliferating.Proximal.Tubule	8.97E-09	5.20E-09	4.24E-02	3.41E-09	4.67E-09	2.33E-01
Fibroblast	6.25E-09	4.11E-09	6.40E-02	2.83E-09	3.38E-09	2.02E-01
Peritubular.capillary.endothelium1	3.11E-09	2.88E-09	1.40E-01	5.56E-09	2.83E-09	2.48E-02
Distinct.proximal.tubule2	4.56E-09	4.60E-09	1.61E-01	1.05E-08	5.38E-09	2.56E-02
Glomerular.endothelium	2.27E-09	2.58E-09	1.89E-01	5.70E-09	2.62E-09	1.49E-02
Connecting.tubule	2.41E-09	3.28E-09	2.32E-01	4.01E-09	3.33E-09	1.14E-01
Principal.cell	2.59E-09	3.62E-09	2.37E-01	2.17E-09	3.73E-09	2.81E-01
Type.A.intercalated.cell	2.88E-09	4.39E-09	2.56E-01	2.16E-09	4.35E-09	3.10E-01
Distinct.proximal.tubule1	1.82E-09	2.95E-09	2.68E-01	9.68E-10	3.10E-09	3.77E-01
Proximal.tubule	4.40E-09	7.43E-09	2.77E-01	1.43E-09	5.73E-09	4.02E-01
Plasmacytoid.dendritic.cell	2.70E-09	5.23E-09	3.03E-01	-3.16E-10	4.71E-09	5.27E-01
Transitional.urothelium	2.12E-09	4.22E-09	3.07E-01	4.59E-09	4.75E-09	1.67E-01
Epithelial.progenitor.cell	1.33E-09	2.98E-09	3.28E-01	1.78E-09	2.91E-09	2.71E-01
Thick.ascending.limb.of.Loop.of.Henle	1.14E-09	3.98E-09	3.87E-01	2.10E-09	4.23E-09	3.10E-01
B.cell	1.07E-09	4.00E-09	3.95E-01	-7.23E-11	3.92E-09	5.07E-01
Ascending.vasa.recta.endothelium	5.78E-10	2.79E-09	4.18E-01	1.74E-09	2.64E-09	2.56E-01
MNP.a.classical.monocyte.derived	5.27E-10	4.09E-09	4.49E-01	-5.64E-10	3.94E-09	5.57E-01
Neutrophil	3.51E-10	5.61E-09	4.75E-01	-1.06E-09	5.41E-09	5.78E-01
Pelvic.epithelium	-2.77E-10	4.08E-09	5.27E-01	1.82E-09	3.89E-09	3.20E-01
MNP.b.non.classical.monocyte.derived	-3.29E-10	4.14E-09	5.32E-01	-3.30E-09	3.44E-09	8.31E-01
NK.cell	-5.83E-10	4.29E-09	5.54E-01	-4.62E-09	3.67E-09	8.96E-01
Podocyte	-5.18E-10	2.85E-09	5.72E-01	-1.75E-09	2.74E-09	7.38E-01
MNP.d.Tissue.macrophage	-3.21E-09	4.28E-09	7.73E-01	-2.85E-09	4.32E-09	7.45E-01
Type.B.intercalated.cell	-2.45E-09	3.12E-09	7.84E-01	-3.65E-13	3.08E-09	5.00E-01
NKT.cell	-3.13E-09	3.96E-09	7.86E-01	-4.50E-09	3.64E-09	8.92E-01
Indistinct.intercalated.cell	-2.81E-09	3.48E-09	7.90E-01	-1.03E-09	4.07E-09	6.00E-01
CD8.T.cell	-3.97E-09	3.86E-09	8.48E-01	-4.96E-09	3.69E-09	9.11E-01
MNP.c.dendritic.cell	-3.36E-09	3.21E-09	8.53E-01	-4.77E-09	2.77E-09	9.58E-01
CD4.T.cell	-4.94E-09	3.79E-09	9.04E-01	-3.56E-09	3.83E-09	8.24E-01
Mast.cell	-6.16E-09	4.35E-09	9.22E-01	-6.55E-09	4.12E-09	9.44E-01

*This Table shows the Beta, SE and P-value for the LDSC integration of Meta-SBP and Meta-DBP GWAS with mature human kidney cell types. Bonferroni corrected significant associations ( $p < 1.52 \times 10^{-3}$ ) are*

*shown in bold. \* Distinct subsets of a cell type, based on canonical marker expression, are indicated by suffixes 1 & 2 as in the original publications.*

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**associated with the 2018 Nature Genetics publication: “Genetic analysis of over one million people identifies 535 new loci associated with blood pressure traits.”**

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