Supplementary Table 1

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|  | GSE86300 | GSE184836 |
| Platform |  GPL7546 |  GPL21103 |
| Platform Name | Affymetrix GeneChip Mouse Genome 430 2.0 Array [CDF: Mm\_ENTREZG\_10] | Illumina HiSeq 4000 (Mus musculus) |
| Sample information | 5 BKS db/m mice and 5 db/db mice24 weeks old | 3 renal glomeruli from kidneys of db/db and db/m mice; 3 renal tubules from kidneys of db/db and db/m mice;24 weeks old |