GENE	PHENOTYPE	OMIM NUMBER	INHERITANCE	CPT CODE
ACTN4	Focal segmental glomerulosclerosis (FSGS1)	603278	AD	81406
ALG1	Congenital disorder of glycosylation, type Ik (CDG1K)	608540	AR	81479
ALMS1	Alstrom syndrome	203800	AR	81479
APOL1	Glomerulosclerosis, focal segmental, 4, susceptibility to (ESRD; FSGS4)	612551	risk factor	81479
ARHGAP24	Focal segmental glomerulosclerosis		AD	81479
ARHGDIA	Nephrotic syndrome, type 8	615244	AR	81479
CD151	Nephropathy w/ Pretibial Epidermolysis Bullosa and Deafness	609057	AR	81479
CD2AP	Focal segmental glomerulosclerosis (FSGS3)	607832	AR	81479
CFH	Atypical Hemolytic-uremic syndrome 1 [Nephrotic syndrome; C3 glomerulopathy (C3G)	235400	AR, AD	81479
COL4A3	Alport syndrome, autosomal recessive	203780	AR	81408
COL4A4	Alport syndrome, autosomal recessive	203780	AR	81407
COL4A5	Alport syndrome	301050	XLD	81408
COQ2	Primary Coenzyme Q10 deficiency 1	607426	AR	81479
COQ6	Primary Coenzyme Q10 deficiency 6	614650	AR	81479
COQ7	Primary Coenzyme Q10 deficiency 8	616733	AR	81479
COQ8B	Nephrotic syndrome, type 9	615573	AR	81479
COQ9	Primary Coenzyme Q10 deficiency 5	614654	AR	81479
CRB2	Focal segmental glomerulosclerosis 9	616220	AR	81479
CUBN	Megaloblastic anemia-1, Finnish type	261100	AR	81479
CYP11B2	Hypoaldosteronism, congenital due to CMO I deficiency	203400	AR	81479
CYP24A1	Infantile Hypercalcemia 1 (HCINF1)	143880	AR	81479
DGKE	Nephrotic syndrome, type 7	615008	AR	81479
E2F3	FSGS associated with a 6p deletion		AD	81479
EMP2	Nephrotic syndrome, type 10	615861	AR	81479
INF2	Focal segmental glomerulosclerosis (FSGS 5)	613237	AR	81406
INF2	Charcot Marie Tooth disease (CMTDIE)	613237	AD	81406
ITGA3	Congenital interstitial lung disease, nephrotic syndrome, and epidermolysis bullosa	614748	AR	81479
ITGB4	FSGS w/ epidermolysis bullosa	226730	AR	81479
KANK2	Nephrotic syndrome, type 16	617783	AR	81479
LAMB2	Nephrotic syndrome, type 5 w/wo ocular abnormalities	614199	AR	81407
LMX1B	Nail-Patella Syndrome	161200	AD	81479
MED28	Nephrotic syndrome		AR	81479
MEFV	Familial Mediterranean Fever	134610	AD, AR	81404
MYH9	Focal segmental glomerulosclerosis 4, susceptibility to	155100	AD, association	81479
MYO1E	Focal segmental glomerulosclerosis (FSGS 6)	614131	AR	81479
NPHS1	Nephrotic syndrome, type 1	602716	AR	81407
NPHS2	Nephrotic syndrome, type 2	600995	AR	81405
PDSS2	Primary Coenzyme Q10 deficiency 3	614652	AR	81479
PLCE1	Nephrotic syndrome, type 3	610725	AR	81407
PMM2	Congenital disorder of glycosylation, type Ia	212065	AR	81479
PTPRO	Nephrotic syndrome, type 6	614196	AR	81479
SCARB2	Epilepsy, progressive myoclonic 4, w/wo renal failure	254900	AR	81479
SMARCAL1	Schimke immunoosseous dysplasia (SIOD)	242900	AR	81479
TRPC6	Focal segmental glomerulosclerosis (FSGS2)	603965	AD	81406
WT1	Nephrotic syndrome, type 4; Denys-Drash syndrome	256370	AD	81405
ZMPSTE24	Mandibuloacral dysplasia		AR	81479

Nemours. Alfred I. duPont Hospital for Children
Molecular Diagnostic Laboratory
CLIA ID# 08D0706140