

Supplementary Table S1 –*de novo* candidate genes in patient 1

Gene	Protein	Posterior probability	Genotype (P1/mother/father)	Chr	GRCh37
<i>DDB2</i>	Thr246Met	1	CT/CC/CC	11	47256342
<i>ARHGAP12</i>	Gly127Val	1	AC/CC/CC	10	32197404
<i>PIK3CA</i>	Gly726Lys	0.999992	AG/GG/GG	3	178938934
<i>ACSM5</i>	Ala173Val	0.999901	CT/CC/CC	16	20430652
<i>NBPF9</i>	Asn183Asp	0.995885	GG/GG/AA	1	144815953