

WES SEVERE COMBINED IMMUNODEFICIENCY (SCID) DG

3.00

<i>Gene</i>	<i>Median coverage</i>	<i>% covered >10x</i>	<i>% covered >20x</i>	<i>OMIM disease ID</i>
ADA	105.4	100.0	99.7	102700
AK2	115.9	98.9	94.9	267500
B2M	237.4	100.0	100.0	241600;105200
CD247	119.5	100.0	100.0	610163
CD3D	176.6	100.0	100.0	615617
CD3E	151.7	100.0	99.5	615615
CD3G	169.4	100.0	100.0	615607
CD8A	146.6	100.0	99.8	608957
CIITA	160.2	100.0	99.5	209920
CORO1A	144.9	100.0	98.6	615401
DCLRE1C	163.4	100.0	99.4	602450;603554
DOCK2	140.8	100.0	99.6	616433
DOCK8	135.8	100.0	99.6	243700
FOXP1	149.9	100.0	99.6	601705
IL2RG	71.1	99.8	97.1	312863;300400
IL7R	147.7	100.0	99.8	608971
JAK3	127.9	99.9	98.7	600802
LAT	120.5	100.0	99.2	617514
LCK	166.5	98.9	96.6	615758
LIG4	222.9	100.0	99.9	606593
NHEJ1	65.6	100.0	96.2	611291
PNP	124.6	99.8	98.9	613179

PRKDC	118.8	99.7	98.0	615966
PTPRC	122.1	99.0	95.1	608971
RAC2	104.2	99.9	98.3	608203
RAG1	169.0	100.0	100.0	603554;609889;601457;233650
RAG2	223.3	100.0	100.0	603554;601457;233650
RFX5	119.8	99.7	98.1	209920
RFXANK	130.0	100.0	99.5	209920
RFXAP	116.2	99.3	97.0	209920
RMRP				250250
STK4	138.1	100.0	99.8	614868
TAP1	108.6	100.0	99.2	604571
TAP2	108.9	99.9	99.3	604571
TAPBP	121.8	96.5	95.5	604571
TTC7A	121.3	99.3	95.4	243150
ZAP70	166.6	100.0	99.3	617006;269840

Gene symbols used follow HGNC guidelines: Gray KA, Yates B, Seal RL, Wright MW, Bruford EA. Nucleic Acids Res. 2015 Jan;43(Database issue):D1079-85.

Median Coverage describes the average number of reads seen across 50 exomes.

% Covered 10x describes the percentage of a gene's coding sequence that is covered at least 10x.

% Covered 20x describes the percentage of a gene's coding sequence that is covered at least 20x.

Genes with Median Coverage and % Covered 10x/20x denoting NC are non-coding genes for which coverage statistics could not be generated.

OMIM release used for OMIM disease identifiers and descriptions : October 1st, 2016.

Ad 1. "No OMIM phenotype" signifies a gene without a current OMIM association Ad 2. OMIM phenotype descriptions between {} signify risk factors