

WES AMYOTROPHIC LATERAL SCLEROSIS, ALS DG 3.2

<i>Gene</i>	<i>Median coverage</i>	<i>% covered >10x</i>	<i>% covered >20x</i>	<i>OMIM disease ID</i>
ALS2	155.0	99.9	99.8	205100
ANG	167.8	100.0	99.7	611895
ANXA11	92.5	99.8	97.6	617839
CFAP410	129.3	100.0	99.6	No OMIM phenotype
CHCHD10	27.7	57.8	42.0	615911
CHMP2B	87.2	99.6	98.5	614696
ERBB4	136.3	99.9	99.5	615515
FIG4	168.2	99.8	99.7	612577
FUS	129.0	98.4	95.3	608030
GRN	178.3	100.0	100.0	607485
KIF5A	123.5	100.0	99.8	617921
MAPT	167.7	99.9	98.9	601104
MATR3	82.8	96.5	90.6	615515
NEK1	120.2	99.5	98.2	617892
OPTN	107.3	99.9	99.9	613435
PFN1	151.2	100.0	100.0	614808
SETX	156.3	99.8	99.6	602433
SIGMAR1	148.2	100.0	100.0	614373
SOD1	123.9	100.0	100.0	105400
SPG11	119.3	99.8	99.0	604360
SQSTM1	120.9	99.8	97.8	616437
TARDBP	128.8	100.0	99.9	612069
TBK1	111.0	99.3	97.5	616439
TUBA4A	167.4	100.0	100.0	616208
UBQLN2	112.3	99.8	98.7	300857

VAPB	101.3	99.8	99.4	608627
VCP	108.5	100.0	99.1	613954

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

Coverage stated is using Agilent V5 chemistry, used for all exome analyses apart from the (in-house) TURBO/RAPID WES route.

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 no value for coverage are non protein coding genes.

Non protein coding genes are covered, but as coverage statistics are based on protein coding regions, statistics could not be generated.

OMIM release used for OMIM disease identifiers and descriptions: September 1st, 2021.

[EAS.GenProductCoverage.pdf.footer.ad01](#)