

WES PARKINSON DISEASE DG 3.2

<i>Gene</i>	<i>Median coverage</i>	<i>% covered >10x</i>	<i>% covered >20x</i>	<i>OMIM disease ID</i>
ATP13A2	141.0	100.0	99.6	606693
ATP1A3	174.1	100.0	99.9	128235
C19orf12	122.8	100.0	99.8	614298
CHCHD2	70.5	93.7	78.7	616710
CHMP2B	87.2	99.6	98.5	614696
CSF1R	120.5	100.0	99.6	221820
DCTN1	116.9	99.8	98.4	168605
DNAJC6	142.1	99.8	98.7	615528
FBXO7	178.8	99.8	98.3	260300
FTL	134.8	98.6	88.5	606159
GBA	179.6	100.0	100.0	168600
GCH1	78.0	99.9	97.3	128230
GRN	178.3	100.0	100.0	607485
LRRK2	122.4	99.5	97.0	607060
MAPT	167.7	99.9	98.9	600274
MYORG	201.0	100.0	100.0	618317
PARK7	89.5	100.0	99.8	606324
PDGFB	125.7	100.0	100.0	615483
PDGFRB	143.8	99.2	97.3	615007
PINK1	86.7	91.0	85.8	605909
PLA2G6	111.6	92.1	90.7	612953
POLG	113.2	99.9	98.8	157640
PRKN	72.0	66.9	65.8	600116
PRKRA	175.9	99.8	99.5	612067
PSEN1	145.4	99.9	99.9	600274

SLC20A2	104.6	99.9	97.6	213600
SLC30A10	162.7	100.0	100.0	613280
SLC39A14	102.8	100.0	99.0	617013
SLC6A3	146.8	100.0	99.9	613135
SNCA	85.2	79.1	79.1	605543;168601
TAF1	89.4	99.2	95.7	314250
TH	93.5	99.8	98.0	605407
VPS13C	116.0	99.0	95.8	616840
VPS35	88.1	96.1	87.4	614203
WDR45	71.6	98.2	92.0	300894
XPR1	133.7	99.9	99.8	616413

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.

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](#)