

WES MITOCHONDRIAL DISORDERS DG 2.15

| <i>Gene</i> | <i>Median coverage</i> | <i>% covered >10x</i> | <i>% covered >20x</i> | <i>OMIM disease ID</i> |
|-------------|------------------------|--------------------------|--------------------------|------------------------|
| AARS2 | 126.2 | 100.0 | 99.3 | 612035 |
| ABAT | 92.7 | 100.0 | 99.5 | 613163 |
| ACAD9 | 135.2 | 98.4 | 95.7 | 611103 |
| ACO2 | 129.3 | 95.8 | 91.8 | 100850 |
| ADAMTS10 | 107.8 | 99.9 | 98.7 | 608990 |
| ADPRHL2 | 163.7 | 100.0 | 99.9 | 610624 |
| AFG3L2 | 121.0 | 91.9 | 84.9 | 604581 |
| AGK | 112.1 | 99.3 | 96.4 | 610345 |
| AIFM1 | 106.2 | 100.0 | 99.7 | 300169 |
| ALDH1B1 | 206.6 | 100.0 | 100.0 | 100670 |
| ALKBH1 | 113.8 | 100.0 | 99.4 | 605345 |
| ANO10 | 116.7 | 98.8 | 96.5 | 613726 |
| APOPT1 | 63.8 | 81.4 | 78.1 | 616003 |
| APTX | 118.9 | 94.2 | 91.1 | 606350 |
| ATAD1 | 59.1 | 94.9 | 86.4 | 614452 |
| ATAD3A | 87.9 | 89.0 | 86.2 | 612316 |
| ATAD3B | 83.8 | 88.6 | 82.8 | 612317 |
| ATP13A2 | 117.4 | 100.0 | 98.8 | 610513 |
| ATP5A1 | 85.3 | 94.8 | 85.8 | 164360 |
| ATP5B | 129.2 | 100.0 | 99.8 | 102910 |
| ATP5C1 | 90.1 | 95.4 | 84.9 | 108729 |
| ATP5D | 66.1 | 98.8 | 90.3 | 603150 |
| ATP5E | 135.5 | 100.0 | 100.0 | 606153 |
| ATP5F1 | 80.9 | 96.9 | 84.5 | 603270 |
| ATP5G1 | 110.0 | 100.0 | 98.2 | 603192 |

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|----------|-------|-------|-------|--------|
| ATP5G2 | 93.8 | 100.0 | 98.4 | 603193 |
| ATP5G3 | 118.5 | 100.0 | 100.0 | 602736 |
| ATP5H | 109.7 | 93.0 | 71.8 | 2 |
| ATP5I | 69.6 | 99.9 | 97.0 | 601519 |
| ATP5J | 66.4 | 99.0 | 90.6 | 603152 |
| ATP5J2 | 109.7 | 100.0 | 99.9 | 4 |
| ATP5L | 144.6 | 100.0 | 99.9 | 1 |
| ATP5L2 | 217.8 | 100.0 | 100.0 | 613213 |
| ATP5O | 101.3 | 99.1 | 90.9 | 600828 |
| ATP5S | 133.6 | 100.0 | 100.0 | 603152 |
| ATPAF1 | 79.8 | 74.0 | 68.1 | 608917 |
| ATPAF2 | 101.4 | 100.0 | 100.0 | 608918 |
| ATPIF1 | 174.3 | 100.0 | 100.0 | 614981 |
| BCS1L | 182.3 | 100.0 | 100.0 | 603647 |
| BOLA1 | 110.6 | 100.0 | 99.9 | 613181 |
| BOLA2 | 120.5 | 100.0 | 100.0 | 613182 |
| BOLA3 | 50.1 | 92.3 | 81.7 | 613183 |
| C12orf65 | 88.2 | 97.3 | 91.9 | 613541 |
| C19orf12 | 93.9 | 100.0 | 99.7 | 614297 |
| C19orf70 | 63.0 | 100.0 | 98.8 | 616658 |
| C1QBP | 80.7 | 81.7 | 71.0 | 601269 |
| CA5A | 124.1 | 99.5 | 94.9 | 114761 |
| CARS2 | 121.1 | 100.0 | 99.8 | 612800 |
| CEP89 | 125.5 | 94.7 | 91.4 | 615470 |
| CHCHD10 | 20.0 | 43.0 | 35.2 | 615903 |
| CHCHD2 | 95.4 | 99.5 | 91.9 | 616710 |
| CHKB | 98.5 | 100.0 | 99.0 | 612395 |
| CISD2 | 127.9 | 83.4 | 83.4 | 611507 |
| CLPB | 140.2 | 100.0 | 99.5 | 616271 |
| CLPP | 115.4 | 99.8 | 96.9 | 601119 |

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|--------|-------|-------|-------|--------|
| COA1 | 89.4 | 100.0 | 100.0 | 614769 |
| COA3 | 143.3 | 100.0 | 100.0 | 614775 |
| COA5 | 59.2 | 85.6 | 84.0 | 613920 |
| COA6 | 78.7 | 98.8 | 91.9 | 614772 |
| COA7 | 146.0 | 100.0 | 100.0 | 615623 |
| COASY | 168.5 | 100.0 | 100.0 | 609855 |
| COQ2 | 89.3 | 96.1 | 93.2 | 609825 |
| COQ4 | 89.8 | 88.4 | 84.9 | 612898 |
| COQ5 | 184.4 | 100.0 | 100.0 | 616359 |
| COQ6 | 143.9 | 99.3 | 96.0 | 614647 |
| COQ7 | 158.5 | 99.7 | 98.9 | 601683 |
| COQ8A | 134.3 | 100.0 | 99.1 | 606980 |
| COQ8B | 90.5 | 100.0 | 99.1 | 615567 |
| COQ9 | 91.4 | 99.9 | 96.6 | 612837 |
| COX10 | 241.9 | 100.0 | 99.6 | 602125 |
| COX14 | 108.1 | 100.0 | 99.9 | 614478 |
| COX15 | 98.6 | 100.0 | 99.7 | 603646 |
| COX20 | 58.1 | 83.0 | 65.4 | 614698 |
| COX411 | 133.9 | 100.0 | 100.0 | 123864 |
| COX412 | 120.1 | 100.0 | 100.0 | 607976 |
| COX5A | 37.6 | 80.2 | 57.7 | 603773 |
| COX5B | 126.9 | 100.0 | 100.0 | 123866 |
| COX6A1 | 180.6 | 100.0 | 99.4 | 602072 |
| COX6A2 | 32.4 | 97.5 | 80.8 | 602009 |
| COX6B1 | 159.6 | 100.0 | 100.0 | 124089 |
| COX6B2 | 62.3 | 100.0 | 99.3 | 220110 |
| COX6C | 131.4 | 99.2 | 90.9 | 124090 |
| COX7A1 | 81.7 | 99.9 | 98.0 | 123995 |
| COX7A2 | 82.9 | 99.3 | 92.7 | 123996 |
| COX7B | 47.9 | 73.3 | 42.0 | 603792 |

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| COX7B2 | 247.3 | 100.0 | 100.0 | 609811 |
| COX7C | 48.9 | 99.0 | 94.4 | 603774 |
| COX8A | 98.1 | 100.0 | 100.0 | 123870 |
| COX8C | 159.2 | 99.9 | 97.9 | 220110 |
| CP | 120.0 | 93.9 | 89.6 | 117700 |
| CTBP1 | 93.4 | 96.1 | 85.0 | 602618 |
| CYC1 | 184.5 | 88.1 | 86.8 | 123980 |
| CYCS | 72.1 | 99.6 | 95.0 | 123970 |
| DARS2 | 122.3 | 100.0 | 99.6 | 610956 |
| DCAF17 | 91.9 | 95.6 | 89.3 | 612515 |
| DDHD1 | 141.8 | 97.1 | 94.8 | 614603 |
| DES | 120.8 | 99.9 | 98.1 | 125660 |
| DGUOK | 119.2 | 100.0 | 100.0 | 601465 |
| DHTKD1 | 141.0 | 99.6 | 98.2 | 614984 |
| DLAT | 91.6 | 99.1 | 96.0 | 608770 |
| DLD | 123.5 | 99.9 | 98.6 | 238331 |
| DLST | 95.8 | 94.2 | 89.7 | 126063 |
| DMAC1 | 50.4 | 99.8 | 96.3 | 617261 |
| DMAC2 | 135.1 | 98.3 | 98.3 | 617262 |
| DNA2 | 123.6 | 99.8 | 96.9 | 601810 |
| DNAJC19 | 97.9 | 98.5 | 90.0 | 608977 |
| DNAJC3 | 116.3 | 99.9 | 98.1 | 601184 |
| DNM1L | 123.5 | 99.7 | 96.6 | 603850 |
| EARS2 | 103.4 | 99.7 | 98.3 | 612799 |
| ECHS1 | 112.8 | 99.8 | 97.8 | 602292 |
| ECSIT | 141.4 | 99.7 | 98.0 | 608388 |
| EHHADH | 163.2 | 100.0 | 99.7 | 607037 |
| ELAC2 | 123.8 | 100.0 | 99.3 | 605367 |
| ERAL1 | 181.5 | 100.0 | 100.0 | 607435 |
| ETHE1 | 85.5 | 99.3 | 95.8 | 608451 |

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| FA2H | 94.1 | 87.9 | 79.9 | 611026 |
| FARS2 | 207.7 | 100.0 | 100.0 | 614946 |
| FARSB | 76.6 | 96.0 | 93.4 | 609690 |
| FASTKD2 | 118.9 | 99.5 | 96.8 | 612322 |
| FBXL4 | 189.8 | 100.0 | 100.0 | 605654 |
| FDX2 | 114.3 | 99.9 | 99.3 | 614585 |
| FDXR | 93.4 | 100.0 | 99.1 | 103270 |
| FH | 146.4 | 91.7 | 87.6 | 606945 |
| FOXRED1 | 136.6 | 100.0 | 99.6 | 613622 |
| FTL | 147.7 | 99.0 | 93.2 | 134790 |
| FXN | 75.2 | 85.7 | 75.9 | 606829 |
| GARS | 125.7 | 99.9 | 98.5 | 600287 |
| GATB | 101.5 | 99.9 | 98.9 | 603645 |
| GATC | 126.2 | 100.0 | 100.0 | 617210 |
| GATM | 150.6 | 100.0 | 100.0 | 602360 |
| GFER | 76.1 | 92.9 | 75.4 | 600924 |
| GFM1 | 100.3 | 99.2 | 95.3 | 606639 |
| GFM2 | 118.6 | 98.7 | 93.4 | 606544 |
| GLRX5 | 108.2 | 92.6 | 83.8 | 609588 |
| GLUD1 | 74.5 | 94.4 | 84.3 | 138130 |
| GTPBP2 | 156.8 | 96.5 | 94.7 | 607434 |
| GTPBP3 | 137.4 | 100.0 | 99.7 | 608536 |
| HARS2 | 169.7 | 99.9 | 99.2 | 600783 |
| HCCS | 106.6 | 99.9 | 99.2 | 300056 |
| HIBCH | 67.7 | 92.7 | 69.5 | 610690 |
| HLCS | 172.8 | 100.0 | 100.0 | 609018 |
| HSD17B10 | 117.1 | 100.0 | 99.2 | 300256 |
| HSPA9 | 91.6 | 91.1 | 85.9 | 600548 |
| HSPD1 | 96.5 | 98.3 | 93.2 | 118190 |
| HTRA2 | 122.1 | 100.0 | 99.7 | 606441 |

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| IARS2 | 131.5 | 100.0 | 99.9 | 612801 |
| IBA57 | 113.3 | 93.3 | 89.5 | 616451;615330 |
| ISCA1 | 50.8 | 92.5 | 80.5 | 611006 |
| ISCA2 | 92.0 | 99.7 | 96.9 | 615317 |
| ISCU | 111.2 | 100.0 | 99.7 | 611911 |
| KARS | 122.6 | 100.0 | 99.3 | 601421 |
| KIF1A | 114.0 | 99.2 | 96.1 | 601255 |
| LACTB | 117.2 | 93.0 | 80.8 | 608440 |
| LARS2 | 143.0 | 100.0 | 100.0 | 604544 |
| LIAS | 133.7 | 99.5 | 97.1 | 607031 |
| LIPT1 | 227.4 | 100.0 | 100.0 | 610284 |
| LIPT2 | 92.2 | 97.3 | 83.2 | 617659 |
| LONP1 | 141.5 | 97.9 | 96.4 | 600373 |
| LRPPRC | 127.3 | 99.4 | 97.2 | 607544 |
| LYRM4 | 60.1 | 63.2 | 54.3 | 613311 |
| LYRM7 | 49.0 | 87.6 | 72.4 | 615831 |
| MARS2 | 173.2 | 100.0 | 100.0 | 609728 |
| MCUR1 | 65.3 | 93.5 | 77.4 | 616952 |
| MDH2 | 123.3 | 98.0 | 97.9 | 154100 |
| MECR | 108.1 | 98.8 | 96.1 | 608205 |
| MFF | 93.7 | 90.4 | 87.6 | 614785 |
| MFN2 | 150.6 | 100.0 | 99.9 | 608507 |
| MGME1 | 151.1 | 100.0 | 100.0 | 615084 |
| MICU1 | 134.2 | 96.0 | 88.8 | 605084 |
| MICU2 | 43.0 | 94.5 | 86.0 | 610632 |
| MIEF2 | 122.9 | 100.0 | 99.9 | 615498 |
| MIPEP | 102.1 | 95.3 | 88.6 | 602241 |
| MPC1 | 121.8 | 100.0 | 99.5 | 614741 |
| MPV17 | 108.5 | 100.0 | 99.4 | 137960 |
| MRM2 | 122.9 | 99.7 | 96.9 | 606906 |

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| MRPL12 | 107.3 | 99.4 | 93.5 | 602375 |
| MRPL3 | 66.3 | 91.2 | 77.9 | 607118 |
| MRPL40 | 101.6 | 99.8 | 96.5 | 605089 |
| MRPL44 | 110.5 | 99.7 | 97.6 | 611849 |
| MRPL57 | 155.0 | 100.0 | 99.5 | 611997 |
| MRPS14 | 215.9 | 100.0 | 100.0 | 611978 |
| MRPS16 | 161.1 | 100.0 | 99.1 | 609204 |
| MRPS2 | 166.4 | 99.7 | 97.9 | 611971 |
| MRPS22 | 138.8 | 95.3 | 91.8 | 605810 |
| MRPS23 | 156.7 | 100.0 | 99.7 | 611985 |
| MRPS28 | 122.3 | 87.9 | 86.2 | 611990 |
| MRPS34 | 132.7 | 99.9 | 98.3 | 611994 |
| MRPS7 | 173.5 | 100.0 | 100.0 | 611974 |
| MRRF | 190.2 | 100.0 | 100.0 | 604602 |
| MSTO1 | 140.0 | 99.8 | 97.0 | 617619 |
| MTFMT | 124.6 | 99.3 | 96.2 | 611766 |
| MTO1 | 173.7 | 89.5 | 87.3 | 614702 |
| MTPAP | 109.6 | 98.9 | 93.5 | 613669 |
| NARS2 | 120.0 | 97.4 | 97.1 | 612803 |
| NAXD | 138.7 | 99.9 | 99.0 | 615910 |
| NAXE | 81.1 | 99.7 | 95.9 | 608862 |
| NDUFA1 | 166.8 | 100.0 | 99.6 | 300078 |
| NDUFA10 | 136.7 | 98.9 | 96.8 | 603835 |
| NDUFA11 | 86.9 | 99.5 | 95.8 | 612638 |
| NDUFA12 | 160.2 | 100.0 | 100.0 | 614530 |
| NDUFA13 | 91.4 | 92.3 | 91.6 | 609435 |
| NDUFA2 | 133.9 | 100.0 | 100.0 | 602137 |
| NDUFA3 | 129.7 | 91.4 | 87.4 | 603832 |
| NDUFA4 | 79.9 | 98.8 | 84.7 | 603833 |
| NDUFA5 | 71.0 | 87.1 | 61.3 | 601677 |

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| NDUFA6 | 212.4 | 100.0 | 100.0 | 602138 |
| NDUFA7 | 114.8 | 100.0 | 99.5 | 602139 |
| NDUFA8 | 138.4 | 100.0 | 99.7 | 603359 |
| NDUFA9 | 124.7 | 98.6 | 93.2 | 603834 |
| NDUFAB1 | 116.3 | 99.9 | 96.2 | 603836 |
| NDUFAF1 | 115.6 | 100.0 | 100.0 | 606934 |
| NDUFAF2 | 58.6 | 85.7 | 70.9 | 609653 |
| NDUFAF3 | 120.8 | 100.0 | 100.0 | 612911 |
| NDUFAF4 | 79.4 | 98.9 | 91.8 | 611776 |
| NDUFAF5 | 95.7 | 98.8 | 94.5 | 612360 |
| NDUFAF6 | 79.3 | 97.1 | 85.6 | 612392 |
| NDUFAF7 | 101.2 | 100.0 | 98.8 | 252010 |
| NDUFAF8 | 30.0 | 60.2 | 47.4 | - |
| NDUFB1 | 29.3 | 60.5 | 53.0 | 603837 |
| NDUFB10 | 120.2 | 99.4 | 95.8 | 603843 |
| NDUFB11 | 109.6 | 94.4 | 88.0 | 300403 |
| NDUFB2 | 102.4 | 100.0 | 100.0 | 603838 |
| NDUFB3 | 22.6 | 91.9 | 59.2 | 603839 |
| NDUFB4 | 100.6 | 85.0 | 82.9 | 603840 |
| NDUFB5 | 88.5 | 100.0 | 100.0 | 603841 |
| NDUFB6 | 39.7 | 99.9 | 91.4 | 603322 |
| NDUFB7 | 50.4 | 100.0 | 97.4 | 603842 |
| NDUFB8 | 116.6 | 100.0 | 100.0 | 602140 |
| NDUFB9 | 120.1 | 99.8 | 97.4 | 601445 |
| NDUFC1 | 87.2 | 100.0 | 98.3 | 603844 |
| NDUFC2 | 39.9 | 98.0 | 84.0 | 603845 |
| NDUFS1 | 132.2 | 99.8 | 98.6 | 157655 |
| NDUFS2 | 117.8 | 100.0 | 100.0 | 602985 |
| NDUFS3 | 142.4 | 90.7 | 90.6 | 603846 |
| NDUFS4 | 147.3 | 100.0 | 99.1 | 602694 |

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| NDUFS5 | 196.7 | 100.0 | 100.0 | 603847 |
| NDUFS6 | 119.1 | 99.9 | 99.4 | 603848 |
| NDUFS7 | 118.4 | 100.0 | 99.7 | 601825 |
| NDUFS8 | 141.4 | 100.0 | 99.9 | 602141 |
| NDUFV1 | 136.7 | 99.7 | 97.8 | 161015 |
| NDUFV2 | 69.5 | 78.7 | 53.9 | 600532 |
| NDUFV3 | 119.3 | 99.9 | 98.8 | 602184 |
| NFS1 | 82.1 | 86.4 | 83.5 | 603485 |
| NFU1 | 47.7 | 94.9 | 77.2 | 608100 |
| NR2F1 | 201.6 | 99.9 | 98.4 | 132890 |
| NSUN3 | 187.1 | 100.0 | 100.0 | 8 |
| NUBPL | 89.8 | 92.9 | 85.9 | 613621 |
| OGDH | 201.3 | 100.0 | 100.0 | 613022 |
| OPA1 | 122.5 | 99.1 | 94.1 | 605290 |
| OPA3 | 128.0 | 99.5 | 97.4 | 606580 |
| OXA1L | 162.0 | 100.0 | 100.0 | 601066 |
| PANK2 | 146.6 | 99.3 | 93.1 | 606157 |
| PARS2 | 219.1 | 100.0 | 100.0 | 612036 |
| PC | 149.3 | 97.7 | 94.6 | 608786 |
| PDHA1 | 109.8 | 98.1 | 92.1 | 300502 |
| PDHB | 133.0 | 99.3 | 96.8 | 179060 |
| PDHX | 132.5 | 98.9 | 94.6 | 608769 |
| PDK1 | 127.4 | 97.7 | 94.0 | 605213 |
| PDK2 | 156.8 | 100.0 | 100.0 | 602525 |
| PDK3 | 105.1 | 96.4 | 94.3 | 602526 |
| PDK4 | 110.1 | 99.8 | 97.4 | 602527 |
| PDP1 | 209.6 | 100.0 | 100.0 | 605993 |
| PDSS1 | 116.7 | 88.8 | 78.7 | 607429 |
| PDSS2 | 126.8 | 96.5 | 93.5 | 610564 |
| PET100 | 94.5 | 88.8 | 74.8 | 220110 |

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|---------|-------|-------|-------|--------|
| PET117 | 95.3 | 100.0 | 99.8 | 614771 |
| PIGA | 90.5 | 90.4 | 81.3 | 300868 |
| PISD | 163.0 | 100.0 | 100.0 | 612770 |
| PITRM1 | 117.5 | 99.9 | 98.4 | 6 |
| PMPCA | 120.8 | 99.4 | 96.8 | 213200 |
| PMPCB | 121.0 | 99.7 | 97.8 | 603131 |
| PNPLA8 | 114.4 | 100.0 | 99.7 | 612123 |
| PNPT1 | 53.7 | 93.3 | 80.9 | 610316 |
| POLG | 114.4 | 100.0 | 99.5 | 174763 |
| POLG2 | 157.5 | 98.8 | 96.8 | 604983 |
| PPA2 | 80.4 | 94.6 | 82.5 | 609988 |
| PPCS | 108.7 | 99.9 | 98.4 | 609853 |
| PRKAA1 | 119.9 | 100.0 | 99.3 | 602739 |
| PTCD3 | 93.7 | 97.0 | 93.7 | 614918 |
| PTRH2 | 279.6 | 100.0 | 100.0 | 616263 |
| PUS1 | 127.2 | 98.6 | 93.9 | 608109 |
| PYCR1 | 86.3 | 99.4 | 94.3 | 179035 |
| PYCR2 | 127.6 | 100.0 | 97.6 | 616420 |
| PYROXD1 | 48.4 | 85.5 | 70.6 | 617258 |
| QRSL1 | 96.7 | 98.7 | 93.8 | 617209 |
| RARS2 | 107.2 | 100.0 | 99.1 | 611524 |
| RMND1 | 137.2 | 99.8 | 97.3 | 614917 |
| RNASEH1 | 98.6 | 99.1 | 95.6 | 604123 |
| RRM1 | 132.4 | 99.8 | 98.6 | 180410 |
| RRM2B | 128.6 | 99.7 | 97.5 | 604712 |
| RTN4IP1 | 98.1 | 99.9 | 99.1 | 616732 |
| SACS | 154.5 | 100.0 | 99.7 | 604490 |
| SAMHD1 | 127.9 | 99.6 | 96.6 | 606754 |
| SARS2 | 104.8 | 94.8 | 92.7 | 612804 |
| SCO1 | 109.6 | 97.9 | 94.3 | 603644 |

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| SCO2 | 113.1 | 100.0 | 100.0 | 604272 |
| SCP2 | 106.9 | 99.6 | 96.5 | 184755 |
| SDHA | 122.2 | 84.8 | 80.8 | 600857 |
| SDHAF1 | 42.5 | 100.0 | 96.2 | 612848 |
| SDHB | 120.3 | 100.0 | 99.3 | 185470 |
| SDHD | 48.4 | 55.2 | 50.4 | 602690 |
| SERAC1 | 112.5 | 98.8 | 94.6 | 612073 |
| SFXN4 | 131.7 | 100.0 | 99.1 | 615578 |
| SLC19A2 | 119.5 | 99.8 | 97.8 | 603941 |
| SLC19A3 | 186.4 | 100.0 | 99.9 | 606152 |
| SLC25A1 | 71.0 | 92.2 | 87.0 | 190315 |
| SLC25A10 | 70.2 | 76.5 | 68.6 | 606794 |
| SLC25A12 | 150.5 | 99.8 | 98.4 | 603667 |
| SLC25A13 | 110.7 | 95.7 | 92.3 | 603859 |
| SLC25A19 | 88.6 | 99.9 | 98.3 | 606521 |
| SLC25A21 | 114.0 | 100.0 | 98.9 | 607571 |
| SLC25A22 | 108.7 | 99.5 | 96.9 | 609302 |
| SLC25A24 | 115.8 | 98.6 | 96.3 | 608744 |
| SLC25A3 | 139.0 | 99.8 | 97.6 | 600370 |
| SLC25A32 | 117.0 | 100.0 | 100.0 | 610815 |
| SLC25A38 | 111.4 | 99.8 | 98.1 | 610819 |
| SLC25A4 | 134.1 | 100.0 | 100.0 | 103220 |
| SLC25A42 | 116.9 | 97.8 | 94.2 | 610823 |
| SLC25A46 | 205.7 | 95.9 | 87.3 | 616505 |
| SLC39A8 | 128.5 | 100.0 | 99.7 | 608732 |
| SLC52A2 | 177.6 | 100.0 | 100.0 | 607882 |
| SLC52A3 | 119.6 | 100.0 | 100.0 | 613350 |
| SPART | 132.4 | 99.8 | 98.2 | 607111 |
| SPATA5 | 132.0 | 99.9 | 99.2 | 613940 |
| SPG7 | 119.2 | 93.3 | 92.4 | 602783 |

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| SQSTM1 | 109.1 | 98.6 | 94.5 | 601530 |
| STAT2 | 116.0 | 100.0 | 99.9 | 600556 |
| STXBP1 | 124.5 | 96.8 | 96.8 | 602926 |
| SUCLA2 | 64.9 | 93.3 | 82.8 | 603921 |
| SUCLG1 | 101.3 | 99.6 | 95.4 | 611224 |
| SUCLG2 | 57.8 | 91.1 | 78.7 | 603922 |
| SURF1 | 96.2 | 88.3 | 88.3 | 185620 |
| SZT2 | 149.5 | 99.5 | 99.2 | 615463 |
| TACO1 | 91.7 | 97.0 | 92.6 | 612958 |
| TANGO2 | 145.3 | 100.0 | 100.0 | 616830 |
| TARS2 | 98.8 | 99.9 | 98.5 | 612805 |
| TAZ | 94.0 | 99.9 | 98.8 | 300394 |
| TDP2 | 165.1 | 99.9 | 98.8 | 605764 |
| TFB2M | 64.4 | 99.2 | 94.1 | 607055 |
| THG1L | 142.9 | 100.0 | 99.9 | 7 |
| TIMM22 | 95.4 | 100.0 | 99.9 | 607251 |
| TIMM44 | 123.3 | 100.0 | 98.5 | 605058 |
| TIMM50 | 108.2 | 98.8 | 95.3 | 607381 |
| TIMM8A | 46.0 | 94.5 | 78.8 | 300356 |
| TIMMDC1 | 152.2 | 100.0 | 100.0 | 615534 |
| TK2 | 105.7 | 93.4 | 89.4 | 188250 |
| TMEM126A | 120.3 | 98.4 | 86.2 | 612988 |
| TMEM126B | 79.2 | 99.8 | 97.7 | 252010 |
| TMEM186 | 152.4 | 100.0 | 100.0 | - |
| TMEM65 | 50.2 | 79.2 | 65.9 | 616609 |
| TMEM70 | 138.7 | 94.6 | 90.3 | 612418 |
| TMX2 | 141.0 | 100.0 | 99.5 | 616715 |
| TOP3A | 129.8 | 98.9 | 96.5 | 601243 |
| TPK1 | 112.7 | 99.8 | 97.3 | 606370 |
| TRAPPC2L | 230.2 | 100.0 | 100.0 | 610970 |

| | | | | |
|---------|-------|-------|-------|--------|
| TRIT1 | 119.4 | 100.0 | 99.8 | 3 |
| TRMT10C | 131.4 | 99.8 | 98.8 | 615423 |
| TRMT5 | 208.7 | 99.2 | 93.9 | 611023 |
| TRMU | 99.0 | 100.0 | 99.6 | 610230 |
| TRNT1 | 104.6 | 97.8 | 92.3 | 612907 |
| TSFM | 127.2 | 100.0 | 100.0 | 604723 |
| TTC19 | 92.1 | 80.6 | 72.5 | 613814 |
| TUFM | 135.4 | 100.0 | 99.7 | 602389 |
| TWNK | 178.8 | 100.0 | 100.0 | 606486 |
| TXN2 | 81.2 | 100.0 | 100.0 | 616811 |
| TYMP | 95.2 | 98.3 | 85.0 | 131222 |
| UQCC1 | 96.7 | 100.0 | 100.0 | 611797 |
| UQCC2 | 96.6 | 100.0 | 99.1 | 614461 |
| UQCC3 | 95.0 | 100.0 | 99.2 | 616111 |
| UQCR10 | 189.2 | 100.0 | 100.0 | 610843 |
| UQCR11 | 158.7 | 100.0 | 100.0 | 609711 |
| UQCRB | 107.6 | 99.6 | 96.8 | 191330 |
| UQCRC1 | 151.4 | 100.0 | 99.8 | 191328 |
| UQCRC2 | 122.6 | 99.9 | 99.1 | 191329 |
| UQCRFS1 | 151.9 | 87.0 | 82.6 | 191327 |
| UQCRH | 131.1 | 99.9 | 98.3 | 613844 |
| UQCRQ | 131.3 | 100.0 | 99.9 | 612080 |
| USMG5 | 16.2 | 76.5 | 27.7 | 615204 |
| VARS2 | 110.9 | 99.9 | 98.9 | 612802 |
| VPS13D | 158.6 | 99.9 | 99.4 | 608877 |
| WARS2 | 140.7 | 100.0 | 99.5 | 604733 |
| WDR45 | 75.0 | 97.4 | 90.1 | 300526 |
| YARS2 | 173.2 | 99.8 | 98.9 | 610957 |
| YME1L1 | 105.3 | 97.7 | 91.9 | 607472 |

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.

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