

Exome

Gene panel Movement disorders (461 genes)

version 2, 01-03-2021

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|------------------------------|----------------|-----------------|-------------------|-------------------|-------------------|-------------------|
| AAAS | NM_015665.6 | 95.00 | 100.00 | 99.99 | 99.78 | 97.10 |
| AARS1 | NM_001605.2 | 104.00 | 100.00 | 100.00 | 100.00 | 99.77 |
| AARS2 | NM_020745.4 | 101.00 | 100.00 | 99.71 | 98.14 | 92.02 |
| ABCB7 | NM_001271696.3 | 91.00 | 100.00 | 99.92 | 99.59 | 97.93 |
| ABCD1 | NM_000033.4 | 67.00 | 98.15 | 92.01 | 81.66 | 66.17 |
| ABHD12 | NM_001042472.3 | 87.00 | 98.56 | 93.81 | 87.18 | 76.15 |
| ACTB | NM_001101.5 | 154.00 | 100.00 | 100.00 | 99.80 | 99.50 |
| ADAR | NM_001111.5 | 143.00 | 100.00 | 100.00 | 99.97 | 99.70 |
| ADCY5 | NM_183357.2 | 104.00 | 98.70 | 97.08 | 95.07 | 88.97 |
| ADPRHL2 | NM_017825.3 | 81.00 | 100.00 | 99.29 | 97.17 | 86.98 |
| ADPRHL2/ADPRS | NM_017825 | 81.00 | 100.00 | 99.29 | 97.17 | 86.98 |
| AFG3L2 | NM_006796.3 | 114.00 | 95.30 | 92.02 | 91.95 | 91.87 |
| AGTPBP1 | NM_001330701.1 | 108.00 | 99.82 | 98.91 | 97.54 | 93.62 |
| AIMP1 | NM_001142416.2 | 94.00 | 100.00 | 99.52 | 97.22 | 84.25 |
| ALDH18A1 | NM_002860.4 | 111.00 | 100.00 | 99.97 | 99.60 | 98.83 |
| ALDH3A2 | NM_000382.3 | 122.00 | 100.00 | 99.68 | 98.54 | 93.21 |
| ALDH5A1 | NM_001080.3 | 93.00 | 100.00 | 97.68 | 90.36 | 80.25 |
| ALS2 | NM_020919.4 | 121.00 | 100.00 | 100.00 | 99.81 | 97.48 |
| AMPD2 | NM_001368809.2 | 94.00 | 99.95 | 99.00 | 95.10 | 86.03 |
| AMT | NM_000481.4 | 104.00 | 100.00 | 99.93 | 99.31 | 96.78 |
| ANO10 | NM_018075.5 | 118.00 | 100.00 | 100.00 | 99.99 | 98.63 |
| ANO3 | NM_031418.4 | 103.00 | 100.00 | 100.00 | 99.99 | 98.27 |
| AP4B1 | NM_001253852.3 | 128.00 | 100.00 | 100.00 | 100.00 | 99.90 |
| AP4E1 | NM_007347.5 | 122.00 | 100.00 | 100.00 | 99.97 | 99.59 |
| AP4M1 | NM_004722.4 | 72.00 | 99.99 | 98.79 | 93.52 | 81.64 |
| AP4S1 | NM_001128126.3 | 107.00 | 100.00 | 100.00 | 100.00 | 99.87 |
| AP5Z1 | NM_014855.3 | 74.00 | 99.86 | 97.56 | 91.49 | 70.94 |
| APTX | NM_001195248.2 | 111.00 | 100.00 | 100.00 | 99.77 | 98.96 |
| ARG1 | NM_000045.4 | 99.00 | 100.00 | 100.00 | 100.00 | 99.98 |
| ARHGEF9 | NM_001353921.2 | 84.00 | 100.00 | 98.85 | 95.33 | 88.94 |
| ARL6IP1 | NM_015161.3 | 102.00 | 98.86 | 86.70 | 81.36 | 79.49 |
| ARSA | NM_000487.6 | 104.00 | 100.00 | 100.00 | 100.00 | 99.85 |
| ARX | NM_139058.3 | 38.00 | 82.23 | 70.00 | 59.69 | 40.44 |
| ASAH1 | NM_177924.5 | 119.00 | 100.00 | 100.00 | 99.82 | 94.56 |
| ASPA | NM_000049.4 | 136.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| ATCAY | NM_033064.5 | 88.00 | 100.00 | 99.98 | 99.84 | 98.95 |
| ATL1 | NM_015915.4 | 134.00 | 100.00 | 100.00 | 100.00 | 99.24 |
| ATM | NM_000051.3 | 117.00 | 100.00 | 99.97 | 99.61 | 97.12 |
| ATN1 | NM_001940.4 | 87.00 | 99.81 | 97.86 | 94.75 | 82.71 |
| ATP13A2 | NM_022089.4 | 62.00 | 99.92 | 98.73 | 92.33 | 75.00 |
| ATP1A2 | NM_000702.4 | 98.00 | 99.97 | 99.76 | 98.37 | 93.67 |
| ATP1A3 | NM_152296.5 | 92.00 | 100.00 | 99.76 | 98.05 | 91.38 |
| ATP2B3 | NM_001001344.2 | 87.00 | 99.84 | 97.93 | 92.83 | 81.55 |
| ATP6AP2 | NM_005765.3 | 81.00 | 100.00 | 99.25 | 97.22 | 88.22 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|--------------------------------------|-------------------|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <i>ATP7A</i> | NM_000052.7 | 98.00 | 100.00 | 99.93 | 99.26 | 96.52 |
| <i>ATP7B</i> | NM_000053.4 | 127.00 | 100.00 | 100.00 | 99.54 | 97.18 |
| <i>ATP8A2</i> | NM_016529.6 | 113.00 | 100.00 | 99.98 | 99.54 | 96.76 |
| <i>AUH</i> | NM_001698.2 | 106.00 | 100.00 | 99.62 | 97.34 | 94.43 |
| <i>B4GALNT1</i> | NM_001478.5 | 105.00 | 99.29 | 95.89 | 92.43 | 85.90 |
| <i>BCAP31</i> | NM_001256447.2 | 54.00 | 100.00 | 98.67 | 90.63 | 60.72 |
| <i>BCKDHA</i> | NM_000709.4 | 102.00 | 99.37 | 96.39 | 92.64 | 89.24 |
| <i>BCKDHB</i> | NM_183050.4 | 125.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>BCS1L</i> | NM_004328.5 | 133.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>BSCL2</i> | NM_001122955.3 | 96.00 | 99.93 | 98.42 | 95.34 | 89.79 |
| <i>BTD</i> | NM_001370658.1 | 244.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>C12orf65</i> | NM_152269.5 | 102.00 | 100.00 | 99.97 | 98.19 | 74.48 |
| <i>C19orf12</i> | NM_031448.5 | 121.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>CA8</i> | NM_004056.6 | 95.00 | 100.00 | 100.00 | 100.00 | 99.84 |
| <i>CACNA1A</i> | NM_001127221.1 | 71.00 | 99.93 | 98.11 | 91.66 | 73.95 |
| <i>CACNA1B</i> | NM_000718.4 | 91.00 | 95.76 | 93.49 | 90.87 | 85.06 |
| <i>CACNA1E</i> | NM_001205293.3 | 99.00 | 100.00 | 99.98 | 99.67 | 98.39 |
| <i>CACNA1G</i> | NM_018896.5 | 92.00 | 99.96 | 99.11 | 96.96 | 90.83 |
| <i>CACNB4</i> | NM_000726.4 | 118.00 | 99.35 | 96.13 | 94.99 | 89.63 |
| <i>CAMTA1</i> | NM_015215.4 | 125.00 | 99.15 | 98.82 | 97.43 | 92.84 |
| <i>CAPN1</i> | NM_005186.4 | 118.00 | 99.95 | 97.87 | 93.66 | 88.82 |
| <i>CARS2</i> | NM_024537.4 | 119.00 | 100.00 | 99.87 | 98.85 | 95.94 |
| <i>CCDC88C</i> | NM_001080414.4 | 82.00 | 99.98 | 99.67 | 97.80 | 91.90 |
| <i>CCT5</i> | NM_012073.5 | 139.00 | 100.00 | 100.00 | 100.00 | 99.96 |
| <i>CDKL5</i> | NM_001323289.2 | 84.00 | 99.99 | 98.66 | 96.78 | 91.20 |
| <i>CERS1</i> | NM_198207.3 | 62.00 | 75.59 | 75.44 | 74.59 | 62.59 |
| <i>CHCHD2</i> | NM_016139.4 | 140.00 | 100.00 | 100.00 | 98.45 | 90.12 |
| <i>CHD2</i> | NM_001271.4 | 88.00 | 99.95 | 98.78 | 96.01 | 90.55 |
| <i>CHMP1A</i> | NM_002768.5 | 72.00 | 100.00 | 99.64 | 95.82 | 77.44 |
| <i>CIZ1</i> | NM_001131016.2 | 67.00 | 99.14 | 92.00 | 82.62 | 67.99 |
| <i>CLCN2</i> | NM_004366.6 | 107.00 | 100.00 | 99.89 | 99.03 | 94.58 |
| <i>CLCN4</i> | NM_001830.4 | 87.00 | 99.82 | 97.84 | 93.32 | 84.92 |
| <i>CLN3</i> | NM_001042432.1 | 91.00 | 99.67 | 96.29 | 91.03 | 87.06 |
| <i>CLN5</i> | NM_006493.4 | 147.00 | 99.90 | 97.81 | 92.02 | 84.60 |
| <i>CLN6</i> | NM_017882.3 | 90.00 | 100.00 | 100.00 | 99.60 | 95.25 |
| <i>CLN8</i> | NM_018941.4 | 161.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>CLP1</i> | NM_006831.3 | 174.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>CLPB</i> | NM_001258392.3 | 107.00 | 100.00 | 100.00 | 99.77 | 98.74 |
| <i>COASY</i> | NM_025233.7 | 116.00 | 100.00 | 99.72 | 97.81 | 94.47 |
| <i>COL4A1</i> | NM_001845.6 | 86.00 | 99.05 | 97.12 | 93.57 | 85.37 |
| <i>COL6A1</i> | NM_001848.3 | 103.00 | 99.35 | 97.65 | 95.02 | 84.09 |
| <i>COL6A2</i> | NM_001849.4 | 115.00 | 99.99 | 99.56 | 97.95 | 90.28 |
| <i>COL6A3</i> | NM_004369.4 | 169.00 | 100.00 | 99.92 | 99.66 | 99.00 |
| <i>COQ2</i> | NM_015697.8 | 72.00 | 100.00 | 100.00 | 98.50 | 83.26 |
| <i>COQ4</i> | NM_016035.5 | 65.00 | 99.04 | 88.78 | 73.81 | 56.38 |
| <i>COQ8A</i> | NM_020247 | 96.00 | 100.00 | 99.96 | 99.43 | 94.40 |
| <i>COQ9</i> | NM_020312.4 | 68.00 | 99.27 | 94.95 | 91.11 | 74.04 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|--------------------------------------|-------------------|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <i>COX10</i> | NM_001303.4 | 115.00 | 100.00 | 99.99 | 99.78 | 98.53 |
| <i>COX15</i> | NM_078470.6 | 84.00 | 100.00 | 99.62 | 98.03 | 91.98 |
| <i>COX20</i> | NM_198076.6 | 119.00 | 100.00 | 97.86 | 90.93 | 73.37 |
| <i>CP</i> | NM_000096.4 | 129.00 | 99.58 | 99.46 | 99.44 | 99.35 |
| <i>CSF1R</i> | NM_001288705.2 | 88.00 | 100.00 | 99.58 | 96.48 | 87.91 |
| <i>CSTB</i> | NM_000100.3 | 116.00 | 100.00 | 98.62 | 91.91 | 78.21 |
| <i>CWF19L1</i> | NM_018294.6 | 107.00 | 100.00 | 100.00 | 99.91 | 99.29 |
| <i>CYB5R3</i> | NM_000398.7 | 69.00 | 97.96 | 95.21 | 88.02 | 73.70 |
| <i>CYP27A1</i> | NM_000784.4 | 116.00 | 100.00 | 100.00 | 99.98 | 99.92 |
| <i>CYP2U1</i> | NM_183075.3 | 126.00 | 98.65 | 94.51 | 91.89 | 89.14 |
| <i>CYP7B1</i> | NM_004820.5 | 131.00 | 100.00 | 98.80 | 94.20 | 91.94 |
| <i>DARS2</i> | NM_018122.5 | 98.00 | 100.00 | 100.00 | 99.90 | 98.85 |
| <i>DBT</i> | NM_001918.4 | 119.00 | 100.00 | 100.00 | 99.73 | 96.65 |
| <i>DCAF17</i> | NM_025000.4 | 103.00 | 100.00 | 99.95 | 99.25 | 94.71 |
| <i>DCC</i> | NM_005215.4 | 109.00 | 100.00 | 100.00 | 99.97 | 99.13 |
| <i>DCTN1</i> | NM_004082.4 | 98.00 | 99.95 | 97.90 | 94.67 | 91.52 |
| <i>DDC</i> | NM_001082971.2 | 79.00 | 99.99 | 98.59 | 92.09 | 80.10 |
| <i>DDHD1</i> | NM_001160148.2 | 123.00 | 99.53 | 97.46 | 95.65 | 94.28 |
| <i>DDHD2</i> | NM_015214.3 | 122.00 | 100.00 | 100.00 | 99.99 | 98.72 |
| <i>DHDDS</i> | NM_205861.3 | 93.00 | 100.00 | 99.75 | 98.19 | 91.77 |
| <i>DLAT</i> | NM_001931.5 | 115.00 | 100.00 | 99.83 | 99.11 | 97.44 |
| <i>DLD</i> | NM_000108.5 | 93.00 | 100.00 | 100.00 | 99.89 | 98.04 |
| <i>DNAJC12</i> | NM_021800.3 | 103.00 | 100.00 | 100.00 | 100.00 | 99.94 |
| <i>DNAJC5</i> | NM_025219.3 | 96.00 | 100.00 | 99.93 | 98.21 | 84.58 |
| <i>DNAJC6</i> | NM_001256864.2 | 115.00 | 100.00 | 99.92 | 99.26 | 96.95 |
| <i>DNM1L</i> | NM_012062.5 | 104.00 | 100.00 | 99.87 | 98.88 | 92.17 |
| <i>DNMT1</i> | NM_001130823.3 | 104.00 | 99.98 | 99.44 | 97.36 | 91.55 |
| <i>DPYS</i> | NM_001385.3 | 107.00 | 100.00 | 99.90 | 99.30 | 98.11 |
| <i>DSTYK</i> | NM_015375.3 | 118.00 | 100.00 | 99.88 | 99.45 | 97.66 |
| <i>ECHS1</i> | NM_004092.4 | 107.00 | 100.00 | 98.20 | 93.73 | 89.75 |
| <i>EEF2</i> | NM_001961.4 | 118.00 | 100.00 | 99.96 | 99.09 | 92.60 |
| <i>EFHC1</i> | NM_018100.4 | 145.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>EIF2B1</i> | NM_001414.4 | 106.00 | 100.00 | 100.00 | 99.50 | 97.48 |
| <i>EIF2B2</i> | NM_014239.4 | 92.00 | 99.98 | 99.64 | 98.79 | 97.43 |
| <i>EIF2B3</i> | NM_020365.5 | 121.00 | 100.00 | 100.00 | 100.00 | 99.14 |
| <i>EIF2B4</i> | NM_001034116.1 | 168.00 | 99.96 | 98.77 | 95.29 | 90.98 |
| <i>EIF2B5</i> | NM_003907.3 | 117.00 | 99.59 | 97.37 | 93.87 | 90.85 |
| <i>EIF4G1</i> | NM_198241.3 | 112.00 | 99.74 | 98.90 | 97.44 | 91.89 |
| <i>ELOVL4</i> | NM_022726.4 | 102.00 | 100.00 | 100.00 | 99.77 | 98.61 |
| <i>ELOVL5</i> | NM_021814.5 | 99.00 | 100.00 | 100.00 | 99.68 | 95.37 |
| <i>ENTPD1</i> | NM_001776.6 | 114.00 | 99.99 | 99.68 | 99.33 | 98.72 |
| <i>EPM2A</i> | NM_005670.4 | 86.00 | 87.56 | 84.64 | 83.10 | 81.21 |
| <i>ERLIN1</i> | NM_006459.4 | 110.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>ERLIN2</i> | NM_007175.8 | 109.00 | 100.00 | 100.00 | 99.97 | 98.46 |
| <i>ETHE1</i> | NM_014297.5 | 74.00 | 99.80 | 95.60 | 90.44 | 83.66 |
| <i>EXOSC3</i> | NM_016042.4 | 173.00 | 100.00 | 100.00 | 100.00 | 99.98 |
| <i>FA2H</i> | NM_024306.5 | 80.00 | 98.10 | 89.42 | 77.03 | 60.90 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|---------------------------|----------------|--------------|----------------|----------------|----------------|----------------|
| <i>FAM126A</i> | NM_032581.4 | 159.00 | 100.00 | 100.00 | 100.00 | 99.84 |
| <i>FAR1</i> | NM_032228.6 | 110.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>FARS2</i> | NM_006567.5 | 121.00 | 100.00 | 100.00 | 99.97 | 99.69 |
| <i>FAT2</i> | NM_001447.2 | 203.00 | 99.99 | 99.88 | 99.58 | 98.82 |
| <i>FBXO7</i> | NM_012179.4 | 132.00 | 99.24 | 94.81 | 92.72 | 91.66 |
| <i>FGF14</i> | NM_175929.2 | 110.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>FLVCR1</i> | NM_014053.4 | 120.00 | 100.00 | 99.55 | 97.33 | 92.49 |
| <i>FMR1</i> | NM_002024.5 | 79.00 | 100.00 | 99.13 | 95.94 | 83.48 |
| <i>FOLR1</i> | NM_016729.3 | 125.00 | 100.00 | 100.00 | 99.87 | 98.36 |
| <i>FOXG1</i> | NM_005249.5 | 266.00 | 97.87 | 93.51 | 90.44 | 87.93 |
| <i>FRMD7</i> | NM_194277.2 | 120.00 | 100.00 | 100.00 | 100.00 | 99.05 |
| <i>FTL</i> | NM_000146.4 | 99.00 | 99.72 | 96.20 | 90.69 | 87.19 |
| <i>FUS</i> | NM_004960.3 | 98.00 | 100.00 | 99.81 | 97.47 | 90.71 |
| <i>FXN</i> | NM_000144.5 | 94.00 | 99.95 | 98.98 | 94.78 | 78.68 |
| <i>GABRA1</i> | NM_001127644.2 | 125.00 | 100.00 | 100.00 | 99.71 | 98.87 |
| <i>GABRD</i> | NM_000815.5 | 129.00 | 95.27 | 94.75 | 93.18 | 83.48 |
| <i>GABRG2</i> | NM_198904.2 | 123.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>GALC</i> | NM_000153.4 | 100.00 | 100.00 | 99.94 | 99.86 | 97.42 |
| <i>GAN</i> | NM_022041.3 | 116.00 | 100.00 | 99.90 | 99.38 | 98.21 |
| <i>GBA</i> | NM_000157.4 | 103.00 | 100.00 | 100.00 | 99.76 | 98.57 |
| <i>GBA2</i> | NM_020944.3 | 149.00 | 100.00 | 99.57 | 98.63 | 96.95 |
| <i>GBE1</i> | NM_000158.4 | 110.00 | 100.00 | 99.99 | 99.84 | 98.06 |
| <i>GCDH</i> | NM_000159.4 | 94.00 | 100.00 | 99.72 | 98.23 | 96.06 |
| <i>GCH1</i> | NM_000161.3 | 114.00 | 96.82 | 95.60 | 95.24 | 93.71 |
| <i>GDAP2</i> | NM_017686.4 | 105.00 | 100.00 | 100.00 | 100.00 | 95.14 |
| <i>GFAP</i> | NM_002055.5 | 82.00 | 99.99 | 98.85 | 94.25 | 82.31 |
| <i>GIGYF2</i> | NM_001103146.2 | 100.00 | 99.69 | 96.04 | 90.15 | 85.60 |
| <i>GJC2</i> | NM_020435.4 | 120.00 | 95.60 | 86.14 | 74.46 | 59.75 |
| <i>GLB1</i> | NM_000404.4 | 97.00 | 100.00 | 99.86 | 99.24 | 96.89 |
| <i>GLDC</i> | NM_000170.2 | 105.00 | 100.00 | 99.85 | 99.02 | 95.75 |
| <i>GLRA1</i> | NM_000171.4 | 114.00 | 100.00 | 99.73 | 98.49 | 97.40 |
| <i>GLRB</i> | NM_000824.5 | 105.00 | 100.00 | 99.34 | 97.23 | 94.89 |
| <i>GNAL</i> | NM_182978.4 | 101.00 | 100.00 | 99.12 | 93.45 | 88.29 |
| <i>GNAO1</i> | NM_020988.3 | 112.00 | 100.00 | 100.00 | 100.00 | 99.85 |
| <i>GOSR2</i> | NM_004287.4 | 124.00 | 100.00 | 99.32 | 97.19 | 95.42 |
| <i>GPR143</i> | NM_000273.3 | 76.00 | 91.35 | 80.53 | 74.25 | 65.59 |
| <i>GPR88</i> | NM_022049.3 | 79.00 | 97.00 | 89.69 | 83.82 | 77.63 |
| <i>GRID2</i> | NM_001510.4 | 128.00 | 100.00 | 99.96 | 99.78 | 98.83 |
| <i>GRIN1</i> | NM_007327.4 | 95.00 | 99.92 | 98.95 | 96.24 | 91.89 |
| <i>GRIN2B</i> | NM_000834.4 | 159.00 | 100.00 | 99.99 | 99.88 | 99.32 |
| <i>GRM1</i> | NM_001278064.2 | 159.00 | 100.00 | 100.00 | 99.88 | 99.04 |
| <i>GRN</i> | NM_002087.3 | 131.00 | 100.00 | 100.00 | 99.52 | 95.26 |
| <i>HACE1</i> | NM_020771.4 | 99.00 | 100.00 | 100.00 | 99.20 | 95.36 |
| <i>HEXA</i> | NM_000520.6 | 94.00 | 100.00 | 100.00 | 99.66 | 95.45 |
| <i>HEXB</i> | NM_000521.4 | 112.00 | 99.75 | 96.88 | 94.48 | 90.78 |
| <i>HK1</i> | NM_033500.2 | 96.00 | 100.00 | 99.56 | 97.55 | 90.78 |
| <i>HPCA</i> | NM_002143.3 | 191.00 | 100.00 | 99.97 | 99.29 | 92.58 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|--------------------------------------|-------------------|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <i>HPRT1</i> | NM_000194.3 | 90.00 | 98.78 | 95.81 | 91.85 | 80.74 |
| <i>HSD17B4</i> | NM_000414.4 | 110.00 | 99.68 | 98.45 | 96.79 | 93.35 |
| <i>HSPD1</i> | NM_002156.5 | 116.00 | 100.00 | 99.98 | 99.78 | 98.27 |
| <i>HTRA2</i> | NM_013247.4 | 136.00 | 100.00 | 100.00 | 99.85 | 99.65 |
| <i>IBA57</i> | NM_001010867.4 | 72.00 | 100.00 | 99.21 | 95.80 | 85.81 |
| <i>ISCA2</i> | NM_194279.4 | 101.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>ITPR1</i> | NM_001099952.3 | 109.00 | 100.00 | 99.86 | 99.16 | 96.61 |
| <i>JAM3</i> | NM_032801.5 | 117.00 | 100.00 | 100.00 | 99.98 | 99.90 |
| <i>KATNB1</i> | NM_005886.3 | 102.00 | 100.00 | 100.00 | 99.65 | 94.62 |
| <i>KCNA1</i> | NM_000217.3 | 145.00 | 100.00 | 100.00 | 100.00 | 99.26 |
| <i>KCNA2</i> | NM_004974.4 | 221.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>KCNC1</i> | NM_001112741.1 | 162.00 | 100.00 | 100.00 | 100.00 | 99.97 |
| <i>KCNC3</i> | NM_004977.3 | 128.00 | 83.19 | 76.70 | 68.94 | 60.51 |
| <i>KCND3</i> | NM_004980.4 | 207.00 | 100.00 | 100.00 | 99.91 | 95.93 |
| <i>KCNJ10</i> | NM_002241.5 | 198.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>KCNJ6</i> | NM_002240.5 | 213.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>KCNMA1</i> | NM_001161352.2 | 90.00 | 100.00 | 99.79 | 98.49 | 93.17 |
| <i>KCTD17</i> | NM_001282684.1 | 48.00 | 96.27 | 82.99 | 67.05 | 49.10 |
| <i>KCTD7</i> | NM_153033.4 | 112.00 | 100.00 | 100.00 | 99.91 | 98.81 |
| <i>KIDINS220</i> | NM_001348732.2 | 126.00 | 99.99 | 99.76 | 98.56 | 95.80 |
| <i>KIF1A</i> | NM_001244008.1 | 84.00 | 100.00 | 99.84 | 97.90 | 85.93 |
| <i>KIF1C</i> | NM_006612.6 | 95.00 | 99.89 | 98.75 | 96.62 | 91.09 |
| <i>KIF5A</i> | NM_004984.4 | 80.00 | 99.96 | 99.72 | 97.58 | 86.43 |
| <i>KMT2B</i> | NM_014727.2 | 100.00 | 95.53 | 94.33 | 91.94 | 86.58 |
| <i>L1CAM</i> | NM_001278116.2 | 73.00 | 99.96 | 97.56 | 90.36 | 77.23 |
| <i>LAMA1</i> | NM_005559.4 | 101.00 | 100.00 | 100.00 | 99.92 | 98.37 |
| <i>LAMB1</i> | NM_002291.3 | 129.00 | 100.00 | 100.00 | 99.93 | 99.45 |
| <i>LMNB1</i> | NM_005573.4 | 95.00 | 100.00 | 99.61 | 96.99 | 91.35 |
| <i>LRPPRC</i> | NM_133259.4 | 107.00 | 99.95 | 99.31 | 98.41 | 96.89 |
| <i>LRRK2</i> | NM_198578.4 | 112.00 | 99.97 | 99.70 | 99.10 | 97.84 |
| <i>MAG</i> | NM_002361.4 | 97.00 | 99.99 | 98.88 | 94.92 | 86.42 |
| <i>MAPK8IP3</i> | NM_001040439.2 | 87.00 | 100.00 | 99.74 | 97.68 | 90.93 |
| <i>MAPT</i> | NM_016835.4 | 76.00 | 99.99 | 99.15 | 95.95 | 81.80 |
| <i>MARS2</i> | NM_138395.4 | 211.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>MECP2</i> | NM_001110792.2 | 137.00 | 99.74 | 96.71 | 93.15 | 89.25 |
| <i>MECR</i> | NM_016011.5 | 76.00 | 97.35 | 88.04 | 82.73 | 76.11 |
| <i>MFF</i> | NM_001277062.2 | 117.00 | 100.00 | 100.00 | 100.00 | 99.68 |
| <i>MFSD8</i> | NM_152778.3 | 108.00 | 100.00 | 99.98 | 99.84 | 99.12 |
| <i>MICU1</i> | NM_001195518.2 | 108.00 | 100.00 | 100.00 | 99.92 | 98.89 |
| <i>MLC1</i> | NM_015166.3 | 82.00 | 100.00 | 99.84 | 97.75 | 84.10 |
| <i>MMADHC</i> | NM_015702.3 | 90.00 | 100.00 | 99.98 | 99.77 | 95.74 |
| <i>MME</i> | NM_007289.3 | 95.00 | 99.86 | 98.73 | 96.45 | 91.37 |
| <i>MRE11</i> | NM_005591.3 | 111.00 | 100.00 | 100.00 | 99.94 | 98.57 |
| <i>MTHFR</i> | NM_005957.5 | 90.00 | 100.00 | 99.83 | 98.45 | 95.53 |
| <i>MTPAP</i> | NM_018109.3 | 90.00 | 100.00 | 99.81 | 98.30 | 94.92 |
| <i>MTTP</i> | NM_000253.3 | 114.00 | 100.00 | 100.00 | 100.00 | 99.98 |
| <i>MVK</i> | NM_000431.4 | 87.00 | 100.00 | 99.98 | 99.53 | 93.89 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|--------------------------------------|-------------------|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <i>MYBPC1</i> | NM_002465.4 | 99.00 | 100.00 | 100.00 | 99.94 | 98.85 |
| <i>MYORG</i> | NM_020702 | 276.00 | 100.00 | 100.00 | 99.88 | 98.32 |
| <i>NANS</i> | NM_018946.4 | 90.00 | 100.00 | 99.99 | 99.63 | 96.47 |
| <i>NDUFA10</i> | NM_004544.4 | 92.00 | 94.69 | 93.10 | 92.52 | 91.78 |
| <i>NDUFA12</i> | NM_018838.5 | 124.00 | 100.00 | 100.00 | 99.70 | 95.07 |
| <i>NDUFA2</i> | NM_002488.4 | 98.00 | 100.00 | 100.00 | 100.00 | 99.94 |
| <i>NDUFA9</i> | NM_005002.5 | 123.00 | 100.00 | 100.00 | 100.00 | 99.32 |
| <i>NDUFAF2</i> | NM_174889.5 | 91.00 | 99.93 | 98.21 | 87.67 | 72.57 |
| <i>NDUFAF5</i> | NM_024120.5 | 108.00 | 100.00 | 99.97 | 99.83 | 99.02 |
| <i>NDUFAF6</i> | NM_152416.4 | 89.00 | 99.52 | 97.09 | 92.35 | 78.70 |
| <i>NDUFS1</i> | NM_005006.7 | 104.00 | 100.00 | 100.00 | 100.00 | 99.91 |
| <i>NDUFS3</i> | NM_004551.3 | 172.00 | 100.00 | 100.00 | 99.98 | 99.49 |
| <i>NDUFS4</i> | NM_002495.4 | 107.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>NDUFS7</i> | NM_024407.5 | 56.00 | 99.45 | 95.09 | 86.40 | 58.33 |
| <i>NDUFS8</i> | NM_002496.4 | 133.00 | 99.70 | 95.85 | 89.97 | 83.69 |
| <i>NEFL</i> | NM_006158.4 | 179.00 | 99.81 | 98.73 | 96.57 | 88.44 |
| <i>NEU1</i> | NM_000434.4 | 115.00 | 100.00 | 100.00 | 99.89 | 97.68 |
| <i>NEXMIF</i> | NM_001008537.3 | 169.00 | 100.00 | 100.00 | 99.99 | 99.80 |
| <i>NF2</i> | NM_016418.5 | 99.00 | 100.00 | 99.98 | 99.83 | 97.57 |
| <i>NFASC</i> | NM_001005388.2 | 93.00 | 99.97 | 99.15 | 97.09 | 91.12 |
| <i>NHLRC1</i> | NM_198586.3 | 265.00 | 100.00 | 99.95 | 99.23 | 91.16 |
| <i>NIPA1</i> | NM_144599.5 | 107.00 | 97.22 | 91.43 | 84.29 | 74.68 |
| <i>NKX2-1</i> | NM_003317.4 | 77.00 | 100.00 | 97.93 | 87.98 | 73.16 |
| <i>NKX6-2</i> | NM_177400.3 | 79.00 | 98.03 | 89.84 | 81.72 | 75.72 |
| <i>NOL3</i> | NM_003946.6 | 86.00 | 100.00 | 100.00 | 100.00 | 97.38 |
| <i>NPC1</i> | NM_000271.5 | 118.00 | 100.00 | 99.79 | 98.80 | 96.97 |
| <i>NPC2</i> | NM_006432.4 | 97.00 | 100.00 | 100.00 | 99.92 | 92.96 |
| <i>NT5C2</i> | NM_001351169.1 | 102.00 | 100.00 | 100.00 | 99.20 | 93.56 |
| <i>NUP62</i> | NM_016553.5 | 123.00 | 100.00 | 99.66 | 96.68 | 84.49 |
| <i>OCLN</i> | NM_001205254.2 | 128.00 | 88.31 | 85.18 | 82.36 | 76.73 |
| <i>OPA1</i> | NM_130837.2 | 97.00 | 100.00 | 99.88 | 98.87 | 94.06 |
| <i>OPHN1</i> | NM_002547.3 | 82.00 | 100.00 | 99.75 | 98.42 | 88.90 |
| <i>PACS2</i> | NM_015197.4 | 72.00 | 99.28 | 97.18 | 93.12 | 81.53 |
| <i>PAH</i> | NM_000277.3 | 118.00 | 100.00 | 100.00 | 99.96 | 98.86 |
| <i>PANK2</i> | NM_153638.3 | 123.00 | 100.00 | 99.71 | 95.87 | 82.49 |
| <i>PARK7</i> | NM_007262.5 | 94.00 | 100.00 | 100.00 | 99.86 | 87.88 |
| <i>PAX6</i> | NM_000280.4 | 140.00 | 100.00 | 100.00 | 100.00 | 99.98 |
| <i>PCBD1</i> | NM_000281.4 | 88.00 | 99.91 | 99.28 | 98.77 | 98.75 |
| <i>PCDH19</i> | NM_001184880.2 | 138.00 | 100.00 | 99.92 | 99.32 | 94.38 |
| <i>PCYT2</i> | NM_002861.5 | 81.00 | 98.29 | 94.04 | 91.83 | 85.76 |
| <i>PDE10A</i> | NM_006661.4 | 103.00 | 100.00 | 99.76 | 98.75 | 95.28 |
| <i>PDE8B</i> | NM_003719.4 | 99.00 | 100.00 | 99.98 | 99.66 | 96.25 |
| <i>PDGFB</i> | NM_002608.4 | 83.50 | 100.00 | 100.00 | 99.09 | 84.46 |
| <i>PDGFRB</i> | NM_002609.4 | 102.00 | 100.00 | 99.83 | 98.58 | 92.95 |
| <i>PDHA1</i> | NM_000284.4 | 70.00 | 99.99 | 98.51 | 95.21 | 79.92 |
| <i>PDHB</i> | NM_000925.4 | 119.00 | 100.00 | 100.00 | 99.97 | 99.69 |
| <i>PDHX</i> | NM_003477.3 | 91.00 | 99.90 | 98.75 | 94.05 | 87.46 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|---------------------------|----------------|--------------|----------------|----------------|----------------|----------------|
| <i>PDSS1</i> | NM_014317.5 | 130.00 | 90.62 | 89.68 | 89.68 | 89.25 |
| <i>PDSS2</i> | NM_020381.4 | 111.00 | 100.00 | 99.96 | 99.34 | 95.34 |
| <i>PDYN</i> | NM_024411.5 | 131.00 | 100.00 | 99.60 | 97.39 | 94.48 |
| <i>PEX10</i> | NM_002617.3 | 70.00 | 100.00 | 99.77 | 95.52 | 81.56 |
| <i>PEX2</i> | NM_000318.3 | 257.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>PEX7</i> | NM_000288.4 | 119.00 | 99.89 | 98.95 | 95.52 | 87.31 |
| <i>PHYH</i> | NM_006214.4 | 102.00 | 97.47 | 93.91 | 92.31 | 87.91 |
| <i>PIGA</i> | NM_002641.3 | 122.00 | 100.00 | 99.97 | 99.85 | 98.40 |
| <i>PIK3R5</i> | NM_001142633.2 | 71.00 | 100.00 | 99.23 | 95.75 | 80.44 |
| <i>PINK1</i> | NM_032409.3 | 86.00 | 96.59 | 92.02 | 85.02 | 72.27 |
| <i>PLA2G6</i> | NM_003560.4 | 102.00 | 100.00 | 99.64 | 97.30 | 88.22 |
| <i>PLD3</i> | NM_012268.4 | 84.00 | 99.96 | 98.60 | 94.97 | 87.93 |
| <i>PLP1</i> | NM_000533.5 | 82.00 | 99.95 | 98.70 | 94.82 | 88.85 |
| <i>PMM2</i> | NM_000303.3 | 100.00 | 100.00 | 100.00 | 100.00 | 99.71 |
| <i>PMPCA</i> | NM_015160.3 | 93.00 | 100.00 | 99.66 | 96.61 | 92.14 |
| <i>PNKD</i> | NM_015488.5 | 65.00 | 100.00 | 99.67 | 97.68 | 87.49 |
| <i>PNKP</i> | NM_007254.4 | 97.00 | 100.00 | 99.45 | 97.30 | 92.97 |
| <i>PNPLA6</i> | NM_001166114.2 | 91.00 | 99.89 | 98.37 | 93.76 | 85.40 |
| <i>POLG</i> | NM_002693.2 | 89.00 | 99.99 | 99.34 | 96.73 | 90.04 |
| <i>POLR1C</i> | NM_203290.4 | 103.00 | 100.00 | 99.75 | 97.27 | 92.79 |
| <i>POLR3A</i> | NM_007055.4 | 114.00 | 100.00 | 99.99 | 99.90 | 99.45 |
| <i>POLR3B</i> | NM_018082.6 | 114.00 | 100.00 | 99.98 | 99.59 | 97.87 |
| <i>PPT1</i> | NM_000310.3 | 121.00 | 100.00 | 100.00 | 99.51 | 97.16 |
| <i>PRF1</i> | NM_001083116.3 | 116.00 | 100.00 | 100.00 | 100.00 | 98.91 |
| <i>PRICKLE1</i> | NM_153026.3 | 151.00 | 100.00 | 100.00 | 99.92 | 99.15 |
| <i>PRKCG</i> | NM_002739.5 | 90.00 | 100.00 | 99.95 | 99.40 | 97.39 |
| <i>PRKN</i> | NM_004562 | 84.00 | 99.96 | 98.95 | 97.24 | 94.05 |
| <i>PRKRA</i> | NM_003690.5 | 127.00 | 99.90 | 98.41 | 96.53 | 96.02 |
| <i>PRNP</i> | NM_000311.5 | 209.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>PRRT2</i> | NM_145239.3 | 79.00 | 99.88 | 98.82 | 97.85 | 91.63 |
| <i>PSAP</i> | NM_002778.4 | 78.00 | 100.00 | 99.99 | 99.50 | 93.83 |
| <i>PSEN1</i> | NM_000021.4 | 117.00 | 100.00 | 100.00 | 99.95 | 98.29 |
| <i>PTS</i> | NM_000317.3 | 127.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>PUM1</i> | NM_014676.3 | 107.00 | 100.00 | 99.95 | 99.57 | 98.95 |
| <i>PYCR2</i> | NM_013328.4 | 70.00 | 99.94 | 98.33 | 91.16 | 69.46 |
| <i>QDPR</i> | NM_000320.3 | 82.00 | 100.00 | 99.78 | 97.97 | 90.09 |
| <i>RAB18</i> | NM_021252.5 | 97.00 | 95.70 | 89.28 | 86.64 | 78.82 |
| <i>RAB3GAP1</i> | NM_012233.3 | 115.00 | 100.00 | 100.00 | 100.00 | 99.80 |
| <i>RAB3GAP2</i> | NM_012414.4 | 110.00 | 100.00 | 99.79 | 99.00 | 97.90 |
| <i>RAD51</i> | NM_002875.5 | 98.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>RARS1</i> | NM_002887.4 | 113.00 | 100.00 | 99.95 | 99.78 | 98.20 |
| <i>RARS2</i> | NM_020320.5 | 108.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>REEP1</i> | NM_022912.3 | 102.00 | 94.95 | 93.36 | 87.42 | 72.27 |
| <i>RELN</i> | NM_005045.4 | 108.00 | 100.00 | 100.00 | 99.66 | 98.07 |
| <i>RETREG1</i> | NM_001034850.2 | 108.00 | 99.83 | 97.78 | 95.11 | 92.85 |
| <i>RNASEH2A</i> | NM_006397.2 | 121.00 | 100.00 | 99.72 | 95.95 | 81.10 |
| <i>RNASEH2B</i> | NM_024570.4 | 108.00 | 98.50 | 93.89 | 93.16 | 92.91 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|--------------------------------------|-------------------|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <i>RNASEH2C</i> | NM_032193.4 | 100.00 | 100.00 | 100.00 | 99.96 | 98.63 |
| <i>RNF170</i> | NM_030954.4 | 84.00 | 100.00 | 100.00 | 99.98 | 99.35 |
| <i>RNF216</i> | NM_207116.3 | 114.00 | 100.00 | 100.00 | 99.96 | 99.52 |
| <i>ROBO3</i> | NM_022370.4 | 83.00 | 99.99 | 99.15 | 95.14 | 82.16 |
| <i>RPS6KA3</i> | NM_004586.3 | 74.00 | 99.93 | 99.12 | 97.95 | 90.00 |
| <i>RTN2</i> | NM_005619.5 | 75.00 | 99.81 | 98.41 | 97.16 | 92.65 |
| <i>RUBCN</i> | NM_014687.4 | 83.00 | 100.00 | 99.74 | 97.75 | 91.05 |
| <i>SACS</i> | NM_014363.6 | 290.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>SAMD9L</i> | NM_152703.5 | 314.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>SAMHD1</i> | NM_015474.3 | 109.00 | 100.00 | 100.00 | 100.00 | 99.98 |
| <i>SCARB2</i> | NM_005506.4 | 107.00 | 100.00 | 100.00 | 99.99 | 98.66 |
| <i>SCN11A</i> | NM_001349253.2 | 129.00 | 100.00 | 100.00 | 99.99 | 99.84 |
| <i>SCN1A</i> | NM_006920.6 | 149.00 | 100.00 | 100.00 | 100.00 | 99.98 |
| <i>SCN2A</i> | NM_001040142.2 | 141.00 | 100.00 | 99.98 | 99.85 | 98.95 |
| <i>SCN8A</i> | NM_001330260.2 | 132.00 | 100.00 | 99.96 | 99.71 | 98.82 |
| <i>SCN9A</i> | NM_002977.3 | 150.00 | 100.00 | 99.99 | 99.89 | 99.33 |
| <i>SCO2</i> | NM_005138.2 | 143.00 | 100.00 | 100.00 | 100.00 | 99.99 |
| <i>SCYL1</i> | NM_020680.4 | 77.00 | 100.00 | 99.49 | 96.19 | 82.99 |
| <i>SDHA</i> | NM_004168.4 | 96.00 | 99.00 | 97.00 | 96.41 | 94.74 |
| <i>SEPSECS</i> | NM_016955.4 | 121.00 | 100.00 | 100.00 | 100.00 | 99.84 |
| <i>SERAC1</i> | NM_032861.4 | 118.00 | 100.00 | 100.00 | 100.00 | 99.79 |
| <i>SERPINI1</i> | NM_001122752.1 | 100.00 | 100.00 | 100.00 | 99.90 | 99.37 |
| <i>SETX</i> | NM_015046.7 | 260.00 | 100.00 | 100.00 | 100.00 | 99.92 |
| <i>SGCE</i> | NM_003919.3 | 116.00 | 100.00 | 100.00 | 100.00 | 99.43 |
| <i>SIL1</i> | NM_022464.5 | 98.00 | 100.00 | 99.29 | 96.45 | 87.07 |
| <i>SLC12A6</i> | NM_001365088.1 | 100.00 | 100.00 | 99.93 | 99.37 | 97.08 |
| <i>SLC16A2</i> | NM_006517.5 | 78.00 | 99.02 | 93.53 | 88.35 | 74.26 |
| <i>SLC17A5</i> | NM_012434.5 | 93.00 | 100.00 | 100.00 | 100.00 | 99.93 |
| <i>SLC19A3</i> | NM_025243.4 | 126.00 | 100.00 | 100.00 | 100.00 | 99.79 |
| <i>SLC1A3</i> | NM_004172.5 | 107.00 | 100.00 | 100.00 | 99.84 | 99.34 |
| <i>SLC20A2</i> | NM_001257180.2 | 112.00 | 100.00 | 100.00 | 99.29 | 95.51 |
| <i>SLC25A15</i> | NM_014252.4 | 133.00 | 100.00 | 100.00 | 100.00 | 99.87 |
| <i>SLC2A1</i> | NM_006516.3 | 122.00 | 99.61 | 98.81 | 98.70 | 98.43 |
| <i>SLC30A10</i> | NM_018713.2 | 120.00 | 100.00 | 100.00 | 99.88 | 99.35 |
| <i>SLC33A1</i> | NM_004733.4 | 142.00 | 100.00 | 100.00 | 99.99 | 99.86 |
| <i>SLC39A14</i> | NM_001128431.4 | 91.00 | 100.00 | 99.66 | 98.43 | 95.18 |
| <i>SLC52A2</i> | NM_001363118.2 | 94.00 | 100.00 | 99.81 | 98.56 | 93.23 |
| <i>SLC52A3</i> | NM_033409.4 | 88.00 | 100.00 | 99.90 | 98.79 | 93.47 |
| <i>SLC6A1</i> | NM_003042.4 | 93.00 | 98.16 | 90.94 | 84.93 | 77.82 |
| <i>SLC6A19</i> | NM_001003841.3 | 93.00 | 99.71 | 95.83 | 87.54 | 74.87 |
| <i>SLC6A3</i> | NM_001044.5 | 72.00 | 100.00 | 99.32 | 96.87 | 87.27 |
| <i>SLC6A5</i> | NM_004211.5 | 106.00 | 99.99 | 99.85 | 98.62 | 89.65 |
| <i>SLC9A1</i> | NM_003047.5 | 102.00 | 99.86 | 98.43 | 95.65 | 89.16 |
| <i>SLC9A6</i> | NM_001042537.1 | 99.00 | 99.96 | 99.26 | 97.77 | 95.29 |
| <i>SMPD1</i> | NM_000543.5 | 160.00 | 100.00 | 99.97 | 99.66 | 98.17 |
| <i>SNCA</i> | NM_000345.4 | 107.00 | 100.00 | 100.00 | 100.00 | 99.80 |
| <i>SNORD118</i> | NR_033294 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|--------------------------------------|-------------------|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <i>SNX14</i> | NM_153816.6 | 85.00 | 99.78 | 97.97 | 93.05 | 80.08 |
| <i>SOX10</i> | NM_006941.4 | 152.00 | 99.59 | 97.75 | 94.68 | 90.51 |
| <i>SPART</i> | NM_015087 | 128.00 | 100.00 | 100.00 | 99.95 | 99.83 |
| <i>SPAST</i> | NM_014946.3 | 92.00 | 99.96 | 99.30 | 97.46 | 91.22 |
| <i>SPG11</i> | NM_025137.4 | 113.00 | 100.00 | 100.00 | 99.79 | 98.04 |
| <i>SPG21</i> | NM_016630.7 | 97.00 | 100.00 | 99.40 | 96.97 | 84.32 |
| <i>SPG7</i> | NM_003119.4 | 103.00 | 99.90 | 98.82 | 95.68 | 90.07 |
| <i>SPR</i> | NM_003124.5 | 79.00 | 100.00 | 99.24 | 94.51 | 86.47 |
| <i>SPTBN2</i> | NM_006946.3 | 89.00 | 99.82 | 97.29 | 93.11 | 86.74 |
| <i>STUB1</i> | NM_005861.4 | 202.00 | 97.06 | 86.48 | 82.77 | 82.59 |
| <i>STXBP1</i> | NM_001032221.4 | 86.00 | 100.00 | 99.95 | 99.06 | 89.60 |
| <i>SUCLA2</i> | NM_003850.2 | 133.00 | 100.00 | 100.00 | 100.00 | 99.96 |
| <i>SUCLG1</i> | NM_003849.4 | 94.00 | 100.00 | 100.00 | 99.96 | 97.98 |
| <i>SUMF1</i> | NM_182760.4 | 111.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>SUOX</i> | NM_001032386.2 | 163.00 | 100.00 | 100.00 | 99.76 | 97.34 |
| <i>SURF1</i> | NM_003172.4 | 114.00 | 95.56 | 88.94 | 88.14 | 87.69 |
| <i>SYNE1</i> | NM_182961.4 | 122.00 | 100.00 | 99.81 | 99.32 | 97.98 |
| <i>SYNJ1</i> | NM_203446.3 | 102.00 | 99.42 | 97.15 | 96.11 | 95.28 |
| <i>SYT1</i> | NM_005639.3 | 112.00 | 100.00 | 99.68 | 98.50 | 93.96 |
| <i>SYT14</i> | NM_153262.4 | 140.00 | 100.00 | 100.00 | 100.00 | 99.77 |
| <i>TACO1</i> | NM_016360.4 | 79.00 | 100.00 | 99.50 | 95.96 | 82.37 |
| <i>TAF1</i> | NM_004606.4 | 106.00 | 99.98 | 99.60 | 98.12 | 92.65 |
| <i>TANGO2</i> | NM_152906.7 | 82.00 | 99.98 | 99.33 | 97.04 | 88.59 |
| <i>TBC1D20</i> | NM_144628.4 | 100.00 | 97.27 | 94.21 | 94.18 | 93.94 |
| <i>TBC1D23</i> | NM_001199198.3 | 95.00 | 100.00 | 99.98 | 99.77 | 98.64 |
| <i>TBC1D24</i> | NM_020705.3 | 198.00 | 100.00 | 99.58 | 98.12 | 96.94 |
| <i>TBCD</i> | NM_005993.5 | 108.00 | 98.52 | 94.54 | 91.01 | 82.45 |
| <i>TDP1</i> | NM_018319.4 | 102.00 | 100.00 | 100.00 | 99.89 | 99.59 |
| <i>TDP2</i> | NM_016614.3 | 132.00 | 100.00 | 100.00 | 100.00 | 99.59 |
| <i>TECPR2</i> | NM_014844.5 | 113.00 | 100.00 | 100.00 | 99.88 | 98.17 |
| <i>TENM4</i> | NM_001098816.3 | 115.00 | 99.87 | 98.76 | 96.83 | 92.13 |
| <i>TFG</i> | NM_006070.6 | 111.00 | 100.00 | 100.00 | 99.99 | 98.35 |
| <i>TGM6</i> | NM_198994.3 | 93.00 | 100.00 | 99.91 | 99.37 | 96.55 |
| <i>TH</i> | NM_000360.4 | 71.00 | 99.81 | 96.39 | 92.40 | 83.73 |
| <i>THAP1</i> | NM_018105.3 | 132.00 | 100.00 | 100.00 | 100.00 | 99.97 |
| <i>TIMM8A</i> | NM_004085.4 | 78.00 | 99.99 | 97.91 | 91.60 | 72.45 |
| <i>TMEM106B</i> | NM_001134232.2 | 108.00 | 100.00 | 100.00 | 99.99 | 95.09 |
| <i>TMEM240</i> | NM_001114748.2 | 151.00 | 99.79 | 99.04 | 94.61 | 89.32 |
| <i>TMEM67</i> | NM_153704.6 | 104.00 | 100.00 | 100.00 | 99.82 | 96.98 |
| <i>TOE1</i> | NM_025077.4 | 137.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>TOR1A</i> | NM_000113.3 | 168.00 | 100.00 | 100.00 | 99.98 | 98.50 |
| <i>TPP1</i> | NM_000391.4 | 122.00 | 99.89 | 98.63 | 96.34 | 93.38 |
| <i>TREM2</i> | NM_018965.4 | 78.00 | 100.00 | 100.00 | 99.53 | 95.96 |
| <i>TREX1</i> | NM_033629.6 | 142.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>TRPC3</i> | NM_001130698.2 | 120.00 | 99.98 | 99.16 | 97.60 | 93.91 |
| <i>TSEN2</i> | NM_025265.4 | 138.00 | 100.00 | 100.00 | 100.00 | 99.96 |
| <i>TSEN54</i> | NM_207346.3 | 93.00 | 96.51 | 95.67 | 93.28 | 85.88 |

| HGNC approved gene symbol | transcript | median depth | % covered >10x | % covered >20x | % covered >30x | % covered >50x |
|--------------------------------------|-------------------|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <i>TTBK2</i> | NM_173500.4 | 165.00 | 100.00 | 100.00 | 100.00 | 99.98 |
| <i>TTC19</i> | NM_017775.4 | 96.00 | 97.21 | 89.48 | 85.66 | 82.94 |
| <i>TTPA</i> | NM_000370.3 | 113.00 | 99.85 | 98.22 | 92.94 | 79.64 |
| <i>TUBA1A</i> | NM_006009.4 | 207.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>TUBB</i> | NM_178014.4 | 165.00 | 100.00 | 99.98 | 99.74 | 98.97 |
| <i>TUBB4A</i> | NM_006087.4 | 133.00 | 99.95 | 97.61 | 96.07 | 95.67 |
| <i>TUBG1</i> | NM_001070.5 | 128.00 | 100.00 | 100.00 | 100.00 | 99.52 |
| <i>TWNK</i> | NM_021830 | 160.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>TYROBP</i> | NM_003332.4 | 82.00 | 99.77 | 93.34 | 77.52 | 72.25 |
| <i>UBA5</i> | NM_024818.4 | 98.00 | 96.86 | 91.72 | 87.60 | 81.61 |
| <i>UBAP1</i> | NM_016525.5 | 180.00 | 100.00 | 100.00 | 99.51 | 98.26 |
| <i>UBE3A</i> | NM_130838.4 | 193.00 | 100.00 | 100.00 | 99.94 | 99.29 |
| <i>UBQLN2</i> | NM_013444.3 | 95.00 | 100.00 | 100.00 | 99.98 | 99.68 |
| <i>UBTF</i> | NM_014233.4 | 86.00 | 99.99 | 99.25 | 96.79 | 89.19 |
| <i>UCHL1</i> | NM_004181.5 | 92.00 | 96.15 | 84.54 | 80.60 | 76.46 |
| <i>VAMP1</i> | NM_199245.3 | 104.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>VARS2</i> | NM_020442.5 | 88.00 | 97.68 | 96.06 | 93.96 | 85.08 |
| <i>VCP</i> | NM_007126.5 | 125.00 | 100.00 | 99.87 | 99.56 | 99.28 |
| <i>VLDLR</i> | NM_003383.5 | 113.00 | 100.00 | 99.81 | 98.21 | 96.66 |
| <i>VPS13A</i> | NM_033305.3 | 101.00 | 99.98 | 99.57 | 98.78 | 96.48 |
| <i>VPS13C</i> | NM_017684.5 | 112.00 | 99.17 | 98.27 | 97.58 | 95.67 |
| <i>VPS13D</i> | NM_015378.4 | 119.00 | 100.00 | 99.98 | 99.74 | 97.81 |
| <i>VPS35</i> | NM_018206.6 | 127.00 | 100.00 | 100.00 | 99.97 | 99.85 |
| <i>VPS37A</i> | NM_152415.3 | 112.00 | 99.96 | 99.60 | 98.52 | 91.76 |
| <i>VPS53</i> | NM_001128159.3 | 106.00 | 100.00 | 99.98 | 99.71 | 96.68 |
| <i>VRK1</i> | NM_003384.3 | 99.00 | 100.00 | 100.00 | 100.00 | 97.04 |
| <i>VWA3B</i> | NM_144992.5 | 111.00 | 99.98 | 98.94 | 97.27 | 95.90 |
| <i>WASHC5</i> | NM_014846 | 106.00 | 100.00 | 100.00 | 99.96 | 97.87 |
| <i>WDR26</i> | NM_025160.6 | 93.00 | 99.89 | 98.33 | 96.55 | 93.50 |
| <i>WDR45</i> | NM_001029896.2 | 75.00 | 100.00 | 99.87 | 96.95 | 85.32 |
| <i>WDR73</i> | NM_032856.4 | 107.00 | 100.00 | 100.00 | 100.00 | 99.88 |
| <i>WDR81</i> | NM_001163809.1 | 108.00 | 99.93 | 98.71 | 95.84 | 89.35 |
| <i>WFS1</i> | NM_006005.3 | 117.00 | 99.99 | 99.79 | 98.66 | 97.17 |
| <i>WWOX</i> | NM_016373.4 | 98.00 | 100.00 | 99.97 | 99.01 | 89.49 |
| <i>XK</i> | NM_021083.4 | 113.00 | 100.00 | 100.00 | 99.76 | 97.76 |
| <i>XPR1</i> | NM_004736.4 | 108.00 | 100.00 | 100.00 | 99.89 | 97.94 |
| <i>XRCC1</i> | NM_006297.2 | 74.00 | 99.81 | 96.79 | 90.13 | 81.54 |
| <i>ZC4H2</i> | NM_018684.4 | 76.00 | 100.00 | 99.57 | 96.71 | 85.62 |
| <i>ZFYVE26</i> | NM_015346.4 | 111.00 | 99.99 | 99.55 | 97.59 | 94.35 |
| <i>ZFYVE27</i> | NM_144588.7 | 97.00 | 99.96 | 98.98 | 97.07 | 85.00 |
| <i>ZNF592</i> | NM_014630.3 | 154.00 | 100.00 | 100.00 | 99.92 | 99.54 |