

Exome

Gene panel Intellectual Disability (2238 genes)

version 10, 01-02-2022

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
AASS	NM_005763.4	112.00	100.00	99.94	99.66	98.96
ABAT	NM_020686.6	92.00	99.99	99.59	95.50	77.26
ABCB11	NM_003742.4	121.00	100.00	100.00	99.90	99.25
ABCB6	NM_005689.4	111.00	100.00	99.99	99.59	95.88
ABCB7	NM_001271696.3	91.00	100.00	99.92	99.59	97.93
ABCC6	NM_001171.5	74.00	99.07	96.18	88.30	73.79
ABCC9	NM_005691.3	111.00	100.00	99.88	98.95	96.04
ABCD1	NM_000033.4	67.00	98.15	92.01	81.66	66.17
ABCD4	NM_005050.4	88.00	100.00	99.88	98.12	87.25
ABHD16A	NM_001177515	68.00	99.88	97.73	91.67	74.12
ABHD5	NM_016006.6	131.00	99.96	98.16	95.71	95.39
ABL1	NM_005157.6	102.00	99.77	98.16	97.49	96.43
ACAD9	NM_014049.5	113.00	100.00	100.00	99.82	94.57
ACADM	NM_000016.5	92.00	100.00	99.79	98.14	89.77
ACADS	NM_000017.4	117.00	100.00	99.79	98.21	91.18
ACADVL	NM_000018.4	108.00	99.99	98.99	94.62	87.21
ACAN	NM_001369268.1	124.00	86.57	86.28	85.50	82.69
ACAT1	NM_000019.4	96.00	99.95	99.10	96.26	92.21
ACBD5	NM_001352568	116.00	100.00	99.71	98.31	97.05
ACBD6	NM_032360.4	91.00	99.16	93.51	86.41	75.46
ACER3	NM_018367	96.00	98.75	92.36	87.58	85.31
ACO2	NM_001098.3	115.00	100.00	100.00	100.00	99.77
ACOX1	NM_004035.7	105.00	100.00	100.00	100.00	98.19
ACP5	NM_001611.5	123.00	100.00	100.00	100.00	99.67
ACSL4	NM_001318510.2	87.00	100.00	99.85	98.51	93.83
ACTA1	NM_001100.4	126.00	100.00	99.94	99.48	99.06
ACTA2	NM_001613.4	107.00	100.00	99.92	99.25	94.21
ACTB	NM_001101.5	154.00	100.00	100.00	99.80	99.50
ACTG1	NM_001614.5	139.00	100.00	100.00	100.00	100.00
ACTL6B	NM_016188.5	82.00	100.00	99.28	96.73	84.85
ACVR1	NM_001111067.4	116.00	100.00	100.00	99.95	99.63
ACVR2B	NM_001106.4	114.00	99.24	97.09	96.68	96.41
ACY1	NM_000666.3	91.00	100.00	99.72	96.68	87.47
ADA	NM_000022.4	75.00	99.90	98.39	95.84	86.88
ADAMTS18	NM_199355.4	119.00	99.91	98.89	97.38	95.11
ADAMTS9	NM_182920.2	123.00	99.75	98.79	98.02	97.18
ADAMTSL2	NM_014694.4	0.00	43.23	39.66	35.69	29.83
ADAR	NM_001111.5	143.00	100.00	100.00	99.97	99.70
ADARB1	NM_001112.4	156.00	100.00	99.49	97.77	93.58
ADCY5	NM_183357.2	104.00	98.70	97.08	95.07	88.97
ADGRG1	NM_201525.4	76.00	99.99	98.84	94.09	77.46

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<i>ADGRG6</i>	NM_198569.3	131.00	100.00	100.00	100.00	98.94
<i>ADK</i>	NM_006721.4	107.00	95.40	94.00	93.61	86.77
<i>ADNP</i>	NM_001282531.3	337.00	100.00	100.00	100.00	100.00
<i>ADPRS</i>	NM_017825	81.00	100.00	99.29	97.17	86.98
<i>ADRA2B</i>	NM_000682.7	191.00	100.00	100.00	100.00	98.52
<i>ADSL</i>	NM_000026.4	130.00	100.00	100.00	100.00	99.93
<i>AFF2</i>	NM_002025.4	89.00	99.93	98.60	94.89	87.79
<i>AFF3</i>	NM_002285.3	113.00	98.54	98.32	96.89	91.91
<i>AFF4</i>	NM_014423.4	151.00	100.00	100.00	99.97	99.32
<i>AFG3L2</i>	NM_006796.3	114.00	95.30	92.02	91.95	91.87
<i>AGA</i>	NM_000027.4	106.00	100.00	99.96	98.88	92.60
<i>AGK</i>	NM_018238.4	98.00	100.00	100.00	100.00	99.66
<i>AGL</i>	NM_000642.3	126.00	100.00	99.99	99.64	97.93
<i>AGO1</i>	NM_012199.5	99.00	100.00	100.00	99.81	97.96
<i>AGPS</i>	NM_003659.4	95.00	98.59	96.03	94.54	92.67
<i>AGTPBP1</i>	NM_001330701.1	108.00	99.82	98.91	97.54	93.62
<i>AGXT</i>	NM_000030.3	89.00	100.00	99.57	96.38	85.67
<i>AHDC1</i>	NM_001371928.1	92.00	97.84	96.35	94.94	89.90
<i>AHI1</i>	NM_001134831.2	116.00	100.00	100.00	99.99	99.91
<i>AIFM1</i>	NM_004208.4	95.00	100.00	99.92	99.06	94.42
<i>AIMP1</i>	NM_001142416.2	94.00	100.00	99.52	97.22	84.25
<i>AIPL1</i>	NM_014336.5	94.00	100.00	99.89	96.02	89.34
<i>AIRE</i>	NM_000383.4	79.00	99.58	97.53	92.96	80.22
<i>AK2</i>	NM_001625.4	132.00	99.90	98.18	94.40	88.21
<i>AKR1D1</i>	NM_005989.4	106.00	100.00	99.45	97.49	87.63
<i>AKT1</i>	NM_001014432.1	96.00	100.00	99.95	98.69	92.31
<i>AKT2</i>	NM_001626	92.00	100.00	99.73	96.42	80.16
<i>AKT3</i>	NM_005465.7	103.00	100.00	100.00	99.98	97.46
<i>ALAD</i>	NM_000031.6	78.00	100.00	99.98	98.81	89.87
<i>ALDH18A1</i>	NM_002860.4	111.00	100.00	99.97	99.60	98.83
<i>ALDH1A2</i>	NM_003888	111.00	99.92	97.30	93.12	90.20
<i>ALDH1A3</i>	NM_000693.4	74.00	99.88	96.59	90.07	78.51
<i>ALDH3A2</i>	NM_000382.3	122.00	100.00	99.68	98.54	93.21
<i>ALDH4A1</i>	NM_003748.4	108.00	99.81	98.35	95.94	90.99
<i>ALDH5A1</i>	NM_001080.3	93.00	100.00	97.68	90.36	80.25
<i>ALDH7A1</i>	NM_001182.5	96.00	100.00	100.00	99.84	99.57
<i>ALDOA</i>	NM_184041.4	110.00	100.00	99.90	99.10	94.76
<i>ALG1</i>	NM_019109.5	79.00	99.84	97.53	93.06	84.59
<i>ALG11</i>	NM_001004127.3	303.00	100.00	100.00	100.00	99.23
<i>ALG12</i>	NM_024105.4	98.00	100.00	100.00	100.00	95.93
<i>ALG13</i>	NM_001099922.3	91.00	100.00	99.94	99.36	93.13
<i>ALG2</i>	NM_033087.4	212.00	100.00	100.00	99.77	98.67
<i>ALG3</i>	NM_005787.6	112.00	100.00	99.93	98.68	89.93
<i>ALG6</i>	NM_013339.4	108.00	99.92	98.52	96.43	95.59
<i>ALG8</i>	NM_024079.5	95.00	99.67	96.02	92.32	88.07
<i>ALG9</i>	NM_024740.2	86.00	100.00	99.83	98.79	92.97
<i>ALKBH8</i>	NM_001301010	137.00	100.00	100.00	100.00	99.95

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ALMS1	NM_015120.4	255.00	99.79	99.19	98.17	96.20
ALPL	NM_000478.6	100.00	100.00	100.00	99.98	98.64
ALS2	NM_020919.4	121.00	100.00	100.00	99.81	97.48
ALX1	NM_006982.3	136.00	100.00	100.00	99.70	97.12
ALX3	NM_006492.3	73.00	87.72	74.78	73.13	72.25
ALX4	NM_021926.4	70.00	99.48	96.43	90.72	76.56
AMER1	NM_152424.4	147.00	100.00	100.00	99.97	99.93
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
ANAPC1	NM_022662.4	68.00	88.70	83.95	78.27	65.94
ANK2	NM_001148.6	138.00	99.98	99.76	99.08	97.84
ANKH	NM_054027.6	97.00	100.00	99.97	99.69	96.18
ANKRD11	NM_013275.6	157.00	99.87	97.98	96.35	94.10
ANKRD17	NM_032217	135.00	99.96	98.86	96.21	93.96
ANKRD26	NM_014915.2	104.00	97.43	93.90	89.45	81.40
ANO1	NM_018043.6	102.00	100.00	99.80	98.56	93.43
ANO5	NM_213599.2	112.00	99.99	99.62	97.81	92.48
ANTXR1	NM_032208.2	104.00	98.13	96.32	94.53	88.42
AP1B1	NM_145730.2	100.00	99.99	99.53	97.64	90.26
AP1G1	NM_001128	112.00	100.00	100.00	99.98	98.94
AP1S2	NM_001272071.2	73.00	99.99	98.14	93.12	71.41
AP2M1	NM_004068.4	137.00	100.00	100.00	99.93	99.60
AP2S1	NM_004069.5	116.00	100.00	100.00	100.00	100.00
AP3B2	NM_001278512.2	87.00	99.94	98.52	94.45	86.10
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
APC2	NM_001351273.1	87.00	96.64	92.14	86.68	75.98
APTX	NM_001195248.2	111.00	100.00	100.00	99.77	98.96
AR	NM_000044.6	81.00	98.22	92.85	86.37	76.51
ARCN1	NM_001655.5	105.00	100.00	99.80	98.15	93.02
ARF1	NM_001658.4	110.00	100.00	100.00	100.00	99.62
ARFGEF1	NM_006421	111.00	100.00	100.00	99.96	99.84
ARFGEF2	NM_006420.3	117.00	100.00	100.00	99.93	99.06
ARG1	NM_000045.4	99.00	100.00	100.00	100.00	99.98
ARHGAP31	NM_020754.4	133.00	100.00	100.00	99.98	99.46
ARHGAP35	NM_004491.5	230.00	100.00	100.00	99.88	99.08
ARHGEF6	NM_004840.3	84.00	100.00	100.00	99.74	94.58
ARHGEF9	NM_001353921.2	84.00	100.00	98.85	95.33	88.94
ARID1A	NM_006015.6	124.00	97.27	93.42	90.87	87.11
ARID1B	NM_001346813.1	112.00	98.71	93.97	88.34	81.37
ARID2	NM_152641.4	205.00	100.00	99.86	99.20	96.97
ARL14EP	NM_152316.3	187.00	100.00	100.00	100.00	100.00
ARL3	NM_004311.4	104.00	99.96	98.78	95.23	89.91
ARL6	NM_001278293.3	95.00	100.00	100.00	100.00	100.00
ARMC9	NM_001271466.4	94.00	100.00	99.39	96.56	86.29

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ARNT2	NM_014862.4	109.00	100.00	99.79	98.65	94.94
ARSA	NM_000487.6	104.00	100.00	100.00	100.00	99.85
ARSB	NM_000046.5	102.00	99.97	99.55	96.59	86.73
ARSL	NM_000047.3	73.00	99.93	98.55	95.17	84.76
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
ASCC1	NM_001198800.3	121.00	100.00	100.00	100.00	100.00
ASCC3	NM_006828.4	110.00	99.65	98.36	97.57	96.71
ASCL1	NM_004316.4	142.00	100.00	99.86	98.35	85.24
ASH1L	NM_018489.3	243.00	100.00	100.00	99.96	99.57
ASL	NM_000048.4	97.00	100.00	99.71	98.43	93.72
ASNS	NM_001673.5	117.00	100.00	100.00	99.88	98.47
ASPA	NM_000049.4	136.00	100.00	100.00	100.00	100.00
ASPH	NM_004318.4	96.00	99.79	96.74	94.88	91.45
ASPM	NM_018136.5	210.00	99.99	99.85	99.50	98.60
ASS1	NM_054012.4	73.00	99.93	98.91	95.58	84.96
ASXL1	NM_015338.6	167.00	98.78	98.71	98.42	96.97
ASXL2	NM_018263.6	193.00	99.91	99.81	99.25	97.78
ASXL3	NM_030632.3	206.00	100.00	99.74	99.13	97.48
ATAD3A	NM_001170535.3	104.00	93.40	85.49	82.30	80.44
ATG7	NM_001349232	96.00	99.99	99.97	99.60	96.98
ATIC	NM_004044.7	109.00	100.00	99.99	99.40	95.22
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
ATOH7	NM_145178.4	119.00	99.04	91.85	84.40	79.32
ATP13A2	NM_022089.4	62.00	99.92	98.73	92.33	75.00
ATP1A1	NM_000701.8	120.00	100.00	100.00	99.81	96.76
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
ATP5F1A	NM_001001937	131.00	100.00	100.00	100.00	100.00
ATP5F1D	NM_001687.5	45.00	100.00	95.24	76.61	41.88
ATP6AP2	NM_005765.3	81.00	100.00	99.25	97.22	88.22
ATP6VOA1	NM_005177.4	102.00	100.00	100.00	100.00	99.95
ATP6VOC	NM_001694.4	109.00	100.00	100.00	99.88	97.94
ATP6V1A	NM_001690.4	103.00	100.00	99.82	99.27	97.00
ATP6V1B1	NM_001692.4	84.00	99.94	99.13	96.14	86.97
ATP6V1B2	NM_001693.4	111.00	100.00	99.07	96.72	92.73
ATP6V1E1	NM_001696.4	88.00	100.00	99.48	96.30	87.63
ATP7A	NM_000052.7	98.00	100.00	99.93	99.26	96.52
ATP8A2	NM_016529.6	113.00	100.00	99.98	99.54	96.76
ATP8B1	NM_005603.6	102.00	100.00	100.00	99.56	95.73
ATR	NM_001184.4	109.00	100.00	99.98	99.92	98.92
ATRX	NM_000489.5	99.00	100.00	99.76	98.36	91.13
AUH	NM_001698.2	106.00	100.00	99.62	97.34	94.43
AUTS2	NM_015570.4	114.00	99.91	99.25	97.24	92.15
AXIN1	NM_003502.4	81.00	99.99	99.15	96.00	81.80
B3GALNT2	NM_152490.5	111.00	100.00	99.98	99.27	95.13

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<i>B3GALT6</i>	NM_080605.4	98.00	75.54	71.91	69.55	68.51
<i>B3GAT3</i>	NM_012200.4	82.00	100.00	99.77	98.87	83.26
<i>B4GALT1</i>	NM_001497.3	73.00	100.00	99.75	96.06	78.97
<i>B4GALT7</i>	NM_007255.3	97.00	98.85	94.43	90.82	86.67
<i>B9D1</i>	NM_015681.5	86.00	100.00	100.00	99.49	97.80
<i>BANF1</i>	NM_003860.4	136.00	100.00	100.00	100.00	99.48
<i>BBS1</i>	NM_024649.5	87.00	100.00	99.98	99.89	97.30
<i>BBS10</i>	NM_024685.4	280.00	100.00	99.96	99.39	98.13
<i>BBS12</i>	NM_152618.3	273.00	100.00	100.00	100.00	100.00
<i>BBS2</i>	NM_031885.4	116.00	100.00	100.00	99.99	99.14
<i>BBS4</i>	NM_033028.5	115.00	100.00	99.99	99.34	96.01
<i>BBS5</i>	NM_152384.3	98.00	100.00	100.00	100.00	99.85
<i>BBS7</i>	NM_176824.3	108.00	100.00	99.98	99.78	99.36
<i>BBS9</i>	NM_198428.3	108.00	99.98	99.75	98.81	95.89
<i>BCAP31</i>	NM_001256447.2	54.00	100.00	98.67	90.63	60.72
<i>BCAS3</i>	NM_017679	101.00	100.00	100.00	99.80	97.64
<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>BCL11A</i>	NM_022893.4	185.00	100.00	100.00	99.99	99.13
<i>BCL11B</i>	NM_138576.4	85.00	99.69	97.53	93.66	83.63
<i>BCOR</i>	NM_001123385.2	98.00	99.97	99.70	98.65	94.11
<i>BCORL1</i>	NM_001184772.2	76.00	99.81	98.14	92.41	81.99
<i>BCS1L</i>	NM_004328.5	133.00	100.00	100.00	100.00	100.00
<i>BFSP2</i>	NM_003571.4	104.00	100.00	100.00	100.00	99.32
<i>BGN</i>	NM_001711.6	82.00	99.99	99.68	97.66	88.42
<i>BHLHA9</i>	NM_001164405.1	23.00	79.99	56.94	41.99	30.22
<i>BICD2</i>	NM_001003800.2	104.00	100.00	99.99	99.68	98.42
<i>BICRA</i>	NM_015711.3	76.00	97.94	94.48	88.79	73.54
<i>BIN1</i>	NM_139343.3	63.00	99.78	97.12	90.70	69.99
<i>BLM</i>	NM_000057.4	129.00	99.97	99.45	98.56	95.19
<i>BLOC1S6</i>	NM_012388.3	79.00	99.89	96.62	88.98	76.71
<i>BMP2</i>	NM_001200.4	210.00	100.00	99.94	99.74	98.83
<i>BMP4</i>	NM_001202.6	146.00	100.00	100.00	100.00	99.99
<i>BMPER</i>	NM_001365308.1	96.00	99.82	98.26	96.12	93.46
<i>BMPR1B</i>	NM_001203.3	93.00	100.00	99.87	98.51	94.21
<i>BNC2</i>	NM_017637.6	243.00	100.00	100.00	100.00	99.92
<i>BOLA3</i>	NM_212552.3	80.00	100.00	99.88	95.63	81.71
<i>BPNT2</i>	NM_017813	139.00	100.00	100.00	99.92	99.48
<i>BPTF</i>	NM_182641.4	141.00	95.84	94.17	92.03	87.65
<i>BRAF</i>	NM_004333.6	105.00	99.99	99.70	99.25	95.30
<i>BRAT1</i>	NM_152743.4	73.00	99.05	94.06	91.14	83.17
<i>BRD4</i>	NM_058243.2	74.00	93.06	84.57	75.40	67.26
<i>BRF1</i>	NM_001519.4	61.00	99.96	97.76	89.84	71.45
<i>BRIP1</i>	NM_032043.3	135.00	100.00	100.00	100.00	99.86
<i>BRPF1</i>	NM_001003694.2	122.00	100.00	99.92	99.27	98.11
<i>BRSK2</i>	NM_001256627.2	115.00	98.59	96.28	95.21	88.84
<i>BRWD3</i>	NM_153252.5	87.00	99.96	99.23	97.07	89.56

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>BSND</i>	NM_057176.3	96.00	100.00	100.00	99.92	99.42
<i>BTD</i>	NM_001370658.1	244.00	100.00	100.00	100.00	100.00
<i>BUB1B</i>	NM_001211.5	114.00	99.98	99.27	97.34	95.09
<i>C12orf57</i>	NM_138425.4	114.00	100.00	100.00	100.00	98.45
<i>C1QBP</i>	NM_001212.4	105.00	100.00	98.76	90.23	84.96
<i>C2CD3</i>	NM_001286577.1	127.00	100.00	99.97	99.47	97.04
<i>CA2</i>	NM_000067.3	105.00	100.00	99.97	99.84	97.16
<i>CA5A</i>	NM_001739.2	90.00	100.00	99.96	97.32	90.96
<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>CACNA1C</i>	NM_000719.7	103.00	100.00	99.93	99.27	96.28
<i>CACNA1D</i>	NM_001128840.3	124.00	100.00	99.99	99.80	98.28
<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>CACNA1H</i>	NM_021098.3	88.00	99.52	97.18	92.96	82.36
<i>CACNB4</i>	NM_000726.4	118.00	99.35	96.13	94.99	89.63
<i>CAD</i>	NM_004341.5	102.00	100.00	99.99	99.45	96.56
<i>CAMK2A</i>	NM_015981.4	78.00	99.95	98.56	95.32	86.46
<i>CAMK2B</i>	NM_001220.5	67.00	99.32	94.16	86.87	74.90
<i>CAMK2G</i>	NM_001367534.1	73.00	99.36	96.06	91.55	77.41
<i>CAMTA1</i>	NM_015215.4	125.00	99.15	98.82	97.43	92.84
<i>CANT1</i>	NM_001159773.2	120.00	100.00	100.00	99.87	98.51
<i>CAPN10</i>	NM_023083.4	77.00	99.87	98.82	95.14	81.80
<i>CAPRN1</i>	NM_005898.5	112.00	100.00	99.99	99.80	98.93
<i>CARS1</i>	NM_001014437.3	105.00	100.00	100.00	99.85	98.78
<i>CARS2</i>	NM_024537.4	119.00	100.00	99.87	98.85	95.94
<i>CASK</i>	NM_001126055.2	82.00	100.00	98.94	96.89	85.45
<i>CASP2</i>	NM_032982.4	108.00	100.00	99.73	98.22	94.33
<i>CAV1</i>	NM_001753.5	164.00	99.98	98.54	95.63	94.81
<i>CBL</i>	NM_005188.4	121.00	100.00	100.00	99.98	99.80
<i>CBS</i>	NM_000071.2	122.00	100.00	100.00	100.00	99.96
<i>CC2D1A</i>	NM_017721.5	86.00	99.95	98.39	92.85	84.04
<i>CC2D2A</i>	NM_001080522.2	103.00	99.96	99.33	97.51	89.20
<i>CCBE1</i>	NM_133459.4	103.00	100.00	100.00	99.86	97.09
<i>CCDC103</i>	NM_213607.3	113.00	100.00	99.97	99.82	98.96
<i>CCDC115</i>	NM_032357.4	73.00	100.00	99.64	96.57	89.92
<i>CCDC22</i>	NM_014008.5	63.00	99.36	94.45	85.39	65.80
<i>CCDC32</i>	NM_001080792.3	123.00	99.93	98.66	96.16	91.01
<i>CCDC39</i>	NM_181426.2	103.00	100.00	99.72	98.35	92.32
<i>CCDC40</i>	NM_017950.4	86.00	99.88	97.50	93.74	86.65
<i>CCDC47</i>	NM_020198.3	114.00	100.00	99.87	99.46	98.03
<i>CCDC65</i>	NM_033124.5	90.00	100.00	99.98	98.96	93.53
<i>CCDC78</i>	NM_001031737.3	83.00	99.47	96.38	91.09	79.10
<i>CCDC8</i>	NM_032040.5	99.00	99.98	99.87	99.02	96.95
<i>CCDC88A</i>	NM_001365480.1	105.00	99.56	96.66	92.90	87.16
<i>CCDC88C</i>	NM_001080414.4	82.00	99.98	99.67	97.80	91.90

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>CCNA2</i>	NM_001237.5	121.00	100.00	100.00	99.95	99.57
<i>CCND2</i>	NM_001759.4	89.00	99.96	97.66	91.86	78.02
<i>CCNK</i>	NM_001099402.2	87.00	91.76	89.49	85.90	76.02
<i>CCNO</i>	NM_021147.5	72.00	100.00	99.92	98.85	87.56
<i>CCNQ</i>	NM_152274.5	78.00	85.43	85.20	84.32	76.50
<i>CD151</i>	NM_004357.5	72.00	100.00	99.91	97.58	78.45
<i>CD96</i>	NM_005816.5	124.00	100.00	100.00	100.00	100.00
<i>CDC40</i>	NM_015891.3	103.00	99.80	96.93	94.94	92.49
<i>CDC42</i>	NM_001791.4	239.00	100.00	100.00	100.00	100.00
<i>CDC42BPB</i>	NM_006035.4	116.00	98.61	97.94	97.08	94.96
<i>CDC45</i>	NM_003504.4	113.00	100.00	100.00	99.83	97.89
<i>CDC6</i>	NM_001254.4	120.00	100.00	100.00	99.99	99.90
<i>CDH1</i>	NM_004360.5	109.00	100.00	100.00	99.74	96.81
<i>CDH11</i>	NM_001797	133.00	100.00	100.00	100.00	99.96
<i>CDH15</i>	NM_004933.3	71.00	99.88	97.89	92.19	77.06
<i>CDH2</i>	NM_001792.5	111.00	99.06	97.51	95.77	91.56
<i>CDH23</i>	NM_022124.6	113.00	99.99	99.79	98.87	94.09
<i>CDH3</i>	NM_001793.6	105.00	99.19	96.11	94.58	89.68
<i>CDK10</i>	NM_052988.5	75.00	100.00	99.53	96.68	87.05
<i>CDK13</i>	NM_003718.5	119.00	99.94	95.85	88.84	83.43
<i>CDK16</i>	NM_006201.5	73.00	100.00	98.09	92.55	79.94
<i>CDK19</i>	NM_015076.5	82.00	100.00	99.91	96.23	86.03
<i>CDK5RAP2</i>	NM_018249.6	114.00	99.87	99.05	97.54	94.99
<i>CDK8</i>	NM_001260.3	105.00	100.00	99.94	98.60	90.02
<i>CDKL5</i>	NM_001323289.2	84.00	99.99	98.66	96.78	91.20
<i>CDKN1C</i>	NM_000076.2	50.00	79.27	66.48	56.73	50.20
<i>CDON</i>	NM_001243597.1	126.00	100.00	99.87	98.74	97.14
<i>CDT1</i>	NM_030928.4	69.00	97.03	89.79	81.71	70.86
<i>CELF2</i>	NM_001326332.2	99.00	100.00	99.67	98.09	94.82
<i>CENPF</i>	NM_016343.4	128.00	100.00	99.99	99.74	97.17
<i>CENPJ</i>	NM_018451.5	231.00	100.00	100.00	100.00	99.99
<i>CEP104</i>	NM_014704.4	120.00	100.00	99.99	99.77	97.91
<i>CEP135</i>	NM_025009.5	82.00	99.99	99.61	97.32	87.73
<i>CEP152</i>	NM_001194998.2	140.00	98.80	98.00	97.22	94.24
<i>CEP290</i>	NM_025114.4	101.00	95.31	91.21	88.09	82.78
<i>CEP41</i>	NM_018718.3	89.00	99.93	99.10	94.85	85.04
<i>CEP57</i>	NM_014679.5	95.00	100.00	99.99	99.40	92.55
<i>CEP63</i>	NM_025180.4	79.00	100.00	99.69	97.00	87.26
<i>CEP83</i>	NM_016122.3	101.00	99.68	98.81	96.93	90.42
<i>CEP85L</i>	NM_206921	138.00	100.00	99.22	96.81	95.22
<i>CERT1</i>	NM_001130105.1	97.00	100.00	99.89	99.39	94.85
<i>CFAP298</i>	NM_021254.4	112.00	100.00	100.00	99.99	98.76
<i>CFAP300</i>	NM_032930.3	86.00	100.00	100.00	99.68	93.31
<i>CFAP410</i>	NM_004928.3	59.00	100.00	99.51	94.27	66.64
<i>CFAP418</i>	NM_177965	114.00	100.00	100.00	100.00	100.00
<i>CFC1</i>	NM_032545.3	2.00	34.48	33.19	31.54	29.08
<i>CFL2</i>	NM_138638.5	154.00	100.00	99.60	96.57	88.79

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>CNNM2</i>	NM_017649.5	178.00	100.00	99.85	99.10	94.11
<i>CNOT1</i>	NM_016284.5	119.00	100.00	100.00	99.99	99.91
<i>CNOT3</i>	NM_014516.4	74.00	98.91	94.77	89.75	81.61
<i>CNPY3</i>	NM_006586.5	71.00	99.99	95.95	85.54	69.71
<i>CNTNAP1</i>	NM_003632.3	102.00	100.00	99.85	98.75	93.49
<i>CNTNAP2</i>	NM_014141.6	113.00	100.00	99.98	99.65	98.76
<i>COA5</i>	NM_001008215.3	115.00	100.00	100.00	100.00	100.00
<i>COA8</i>	NM_001370595.1	97.00	100.00	100.00	99.99	99.57
<i>COASY</i>	NM_025233.7	116.00	100.00	99.72	97.81	94.47
<i>COG1</i>	NM_018714.3	106.00	100.00	100.00	99.90	98.60
<i>COG4</i>	NM_015386.3	92.00	100.00	100.00	99.80	98.95
<i>COG5</i>	NM_006348.3	106.00	99.89	98.42	96.53	95.67
<i>COG7</i>	NM_153603.4	99.00	100.00	100.00	99.86	98.66
<i>COG8</i>	NM_032382.4	97.00	99.94	98.75	97.02	95.38
<i>COL10A1</i>	NM_000493.4	142.00	99.98	99.56	98.32	96.07
<i>COL11A1</i>	NM_001854.4	98.00	99.99	99.28	97.78	88.22
<i>COL11A2</i>	NM_080680.3	68.00	99.10	96.64	90.09	72.75
<i>COL13A1</i>	NM_001320951.2	71.00	99.99	99.25	96.17	81.37
<i>COL18A1</i>	NM_130444.3	82.00	100.00	99.71	97.42	84.90
<i>COL1A1</i>	NM_000088.3	81.00	100.00	98.98	93.75	81.44
<i>COL25A1</i>	NM_198721.4	102.00	100.00	99.91	98.76	91.10
<i>COL27A1</i>	NM_032888.4	80.00	99.99	99.35	95.44	77.23
<i>COL2A1</i>	NM_001844.5	83.00	100.00	99.76	97.86	86.86
<i>COL4A1</i>	NM_001845.6	86.00	99.05	97.12	93.57	85.37
<i>COL4A2</i>	NM_001846.4	86.00	99.96	98.88	95.97	86.98
<i>COL4A3</i>	NM_000091.5	90.00	99.48	98.55	97.88	93.39
<i>COL4A4</i>	NM_000092.5	71.00	99.92	98.44	94.20	82.35
<i>COL6A1</i>	NM_001848.3	103.00	99.35	97.65	95.02	84.09
<i>COL6A3</i>	NM_004369.4	169.00	100.00	99.92	99.66	99.00
<i>COL9A1</i>	NM_001851.5	91.00	100.00	99.77	96.98	82.49
<i>COL9A2</i>	NM_001852.4	52.00	99.68	94.84	83.36	54.67
<i>COL9A3</i>	NM_001853.4	58.00	100.00	99.08	91.71	67.09
<i>COLEC10</i>	NM_006438.5	132.00	100.00	100.00	100.00	99.52
<i>COLEC11</i>	NM_024027.5	106.00	100.00	99.11	95.05	84.45
<i>COMP</i>	NM_000095.3	106.00	96.25	92.65	90.98	83.00
<i>COPB1</i>	NM_001144061.1	108.00	100.00	100.00	99.97	99.21
<i>COPB2</i>	NM_004766	118.00	100.00	99.94	99.36	97.79
<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>COQ5</i>	NM_032314.4	127.00	100.00	99.91	99.05	97.21
<i>COQ8A</i>	NM_020247.5	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
<i>COX10</i>	NM_001303.4	115.00	100.00	99.99	99.78	98.53
<i>COX14</i>	NM_032901.4	131.50	100.00	100.00	100.00	100.00
<i>COX15</i>	NM_078470.6	84.00	100.00	99.62	98.03	91.98
<i>COX16</i>	NM_016468.7	71.00	100.00	99.92	99.38	87.15
<i>COX6B1</i>	NM_001863.5	98.00	100.00	100.00	99.57	91.90

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
COX7B	NM_001866.3	111.00	100.00	100.00	100.00	97.18
CPAMD8	NM_015692.5	70.00	99.65	96.35	91.08	75.24
CPLANE1	NM_023073.3	130.00	100.00	99.63	98.47	96.16
CPS1	NM_001875.5	110.00	100.00	100.00	100.00	99.99
CRADD	NM_003805.5	96.00	100.00	99.95	98.26	94.99
CRB1	NM_201253.3	268.00	100.00	100.00	100.00	100.00
CRB2	NM_173689.7	72.00	99.70	98.47	94.81	80.54
CRBN	NM_016302.3	111.00	100.00	99.95	99.30	95.36
CREBBP	NM_004380.3	105.00	99.60	98.03	94.76	86.79
CRELD1	NM_015513.5	72.00	99.04	91.56	81.43	67.15
CRIM1	NM_016441.3	113.00	100.00	99.51	97.86	95.36
CRIP1	NM_014171.6	107.00	99.74	97.94	95.18	85.53
CRKL	NM_005207.4	124.00	100.00	100.00	99.89	99.48
CRPPA	NM_001101426.4	98.00	99.98	98.81	95.92	90.12
CRX	NM_000554.6	83.00	100.00	99.90	97.88	86.25
CRYAA	NM_000394.4	215.00	100.00	100.00	100.00	99.96
CRYAB	NM_001289808.2	120.00	100.00	100.00	100.00	99.88
CRYBA1	NM_005208.4	96.00	100.00	100.00	99.94	99.73
CRYBA4	NM_001886.3	58.00	100.00	99.61	94.99	69.98
CRYBB1	NM_001887.4	97.00	100.00	99.94	99.38	97.47
CRYBB2	NM_000496.3	101.00	100.00	100.00	100.00	99.00
CRYBB3	NM_004076.5	97.00	100.00	100.00	99.96	98.87
CRYGC	NM_020989.4	108.00	100.00	100.00	100.00	99.98
CRYGD	NM_006891.4	106.00	100.00	100.00	99.75	96.73
CSDE1	NM_001130523	121.00	100.00	99.98	99.84	98.92
CSF1R	NM_001288705.2	88.00	100.00	99.58	96.48	87.91
CSNK1G1	NM_022048.5	110.00	100.00	100.00	99.83	99.35
CSNK2A1	NM_177559.3	119.00	100.00	100.00	100.00	99.52
CSNK2B	NM_001320.6	95.00	100.00	100.00	100.00	100.00
CSPP1	NM_024790.6	95.00	99.33	96.61	94.60	91.00
CSTA	NM_005213.4	92.00	100.00	100.00	100.00	95.26
CSTB	NM_000100.3	116.00	100.00	98.62	91.91	78.21
CTBP1	NM_001012614.2	92.00	93.32	86.99	83.80	76.88
CTC1	NM_025099.6	107.00	100.00	99.95	98.70	93.26
CTCF	NM_006565.4	113.00	99.10	93.41	88.50	85.63
CTDP1	NM_004715.4	78.00	98.95	93.02	85.53	75.88
CTNNA2	NM_001282597.2	92.00	100.00	99.71	98.42	94.74
CTNNB1	NM_001904.4	174.00	100.00	100.00	100.00	99.99
CTNND1	NM_001085460.2	136.00	100.00	99.90	99.53	96.96
CTNND2	NM_001332.4	87.00	92.23	89.13	86.17	80.25
CTNS	NM_004937.3	105.50	98.11	91.47	84.96	82.44
CTSA	NM_000308.3	80.00	100.00	99.98	99.36	92.33
CTSD	NM_001909.5	100.00	98.43	94.25	92.24	83.71
CTSK	NM_000396.4	113.00	100.00	100.00	100.00	99.93
CTU2	NM_001012759.3	78.00	96.25	94.86	92.23	81.11
CUL3	NM_003590.5	105.00	100.00	100.00	99.86	97.86
CUL4B	NM_001079872.1	80.00	100.00	99.28	96.52	88.29

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>CUL7</i>	NM_014780.4	108.00	100.00	99.98	99.75	99.51
<i>CUX1</i>	NM_181552.4	82.00	98.16	95.51	91.62	85.53
<i>CUX2</i>	NM_015267.4	73.00	98.69	96.56	93.57	85.88
<i>CWC27</i>	NM_005869.4	72.00	97.20	91.00	88.98	80.50
<i>CYB5R3</i>	NM_000398.7	69.00	97.96	95.21	88.02	73.70
<i>CYC1</i>	NM_001916.5	92.00	99.93	96.10	88.76	82.23
<i>CYFIP2</i>	NM_001037333.3	99.00	100.00	99.88	98.50	91.62
<i>CYP1B1</i>	NM_000104.3	175.00	100.00	100.00	99.98	99.83
<i>CYP24A1</i>	NM_000782.5	107.00	100.00	100.00	99.94	99.11
<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>D2HGDH</i>	NM_152783.5	84.00	99.99	99.14	97.13	92.14
<i>DACT1</i>	NM_001079520.2	137.00	97.40	92.60	90.80	87.99
<i>DAG1</i>	NM_004393.6	182.00	100.00	99.75	98.79	96.99
<i>DARS1</i>	NM_001349.4	97.00	99.67	97.86	93.86	84.02
<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>DCDC2</i>	NM_016356.5	142.00	100.00	99.63	97.08	90.69
<i>DCHS1</i>	NM_003737.4	119.00	100.00	99.99	99.91	99.16
<i>DCX</i>	NM_178152.3	103.00	99.85	97.78	93.81	87.79
<i>DDB1</i>	NM_001923.5	105.00	100.00	99.95	99.57	98.08
<i>DDB2</i>	NM_000107.2	125.00	100.00	99.96	99.79	98.62
<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>DDOST</i>	NM_005216.4	101.00	100.00	99.98	99.80	97.72
<i>DDR2</i>	NM_006182.4	116.00	100.00	100.00	99.99	99.93
<i>DDX11</i>	NM_030653.4	81.00	99.96	97.40	88.45	74.16
<i>DDX23</i>	NM_004818.3	117.00	100.00	99.95	99.61	97.51
<i>DDX3X</i>	NM_001356.4	112.00	100.00	100.00	99.55	93.46
<i>DDX54</i>	NM_024072.4	77.00	100.00	99.67	96.39	83.26
<i>DDX58</i>	NM_014314.4	123.00	100.00	99.97	99.74	98.37
<i>DDX59</i>	NM_001031725.6	150.00	100.00	100.00	100.00	99.64
<i>DDX6</i>	NM_004397.6	105.00	100.00	100.00	100.00	99.97
<i>DEAF1</i>	NM_021008.3	81.00	96.25	88.57	81.06	69.55
<i>DEGS1</i>	NM_003676.4	350.00	100.00	99.89	98.95	92.29
<i>DENND5A</i>	NM_015213.4	119.00	100.00	99.76	98.59	95.05
<i>DEPDC5</i>	NM_001242896.3	107.00	100.00	99.82	99.26	98.19
<i>DGAT1</i>	NM_012079.6	149.00	94.37	89.05	86.50	84.81
<i>DHCR24</i>	NM_014762.4	90.00	100.00	100.00	99.65	97.39
<i>DHCR7</i>	NM_001360.2	89.00	99.98	99.76	98.37	94.75
<i>DHDDS</i>	NM_205861.3	93.00	100.00	99.75	98.19	91.77
<i>DHFR</i>	NM_000791.4	95.00	100.00	99.97	99.51	97.25
<i>DHODH</i>	NM_001361.5	88.00	100.00	99.45	96.79	81.65
<i>DHPS</i>	NM_001930.4	140.00	100.00	100.00	100.00	99.89

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>DHRS3</i>	NM_004753.7	94.00	100.00	100.00	99.86	99.33
<i>DHTKD1</i>	NM_018706.7	105.00	99.99	99.80	99.39	97.46
<i>DHX16</i>	NM_003587.5	108.00	100.00	100.00	99.95	97.02
<i>DHX30</i>	NM_138615.3	110.00	100.00	100.00	99.72	97.14
<i>DHX34</i>	NM_014681.6	99.00	99.98	99.07	96.46	90.80
<i>DHX37</i>	NM_032656.4	65.00	99.64	96.28	89.14	68.98
<i>DIP2B</i>	NM_173602.3	113.00	99.07	97.91	97.85	97.78
<i>DIS3L2</i>	NM_152383.4	104.00	100.00	99.97	99.17	94.49
<i>DISP1</i>	NM_001369594.1	227.00	100.00	99.99	99.84	97.70
<i>DKC1</i>	NM_001363.5	76.00	99.70	97.99	94.81	86.99
<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>DLG3</i>	NM_021120.4	78.00	99.98	98.71	95.11	83.75
<i>DLG4</i>	NM_001365.4	102.00	99.99	98.91	94.82	85.90
<i>DLG5</i>	NM_004747.4	81.00	99.75	97.09	91.29	80.49
<i>DLL1</i>	NM_005618.4	92.00	100.00	100.00	99.75	93.96
<i>DLL3</i>	NM_203486.3	59.00	99.99	96.75	83.70	60.78
<i>DLL4</i>	NM_019074.4	111.00	100.00	100.00	99.79	97.55
<i>DLX5</i>	NM_005221.6	122.00	100.00	99.98	96.42	87.10
<i>DMD</i>	NM_004006.2	93.00	99.91	99.43	98.09	93.54
<i>DMP1</i>	NM_004407.4	73.00	100.00	100.00	99.74	94.60
<i>DMPK</i>	NM_001081562.3	81.00	100.00	98.86	94.66	83.50
<i>DNA2</i>	NM_001080449.3	123.00	100.00	99.99	99.55	97.89
<i>DNAAF11</i>	NM_012472	107.00	95.00	94.41	94.38	94.07
<i>DNAAF3</i>	NM_001256715.2	70.00	99.97	97.88	90.82	71.64
<i>DNAAF4</i>	NM_130810.4	97.00	100.00	98.30	94.17	86.99
<i>DNAAF5</i>	NM_017802.4	75.00	92.11	80.36	75.15	70.17
<i>DNAAF6</i>	NM_173494	82.00	100.00	100.00	99.67	95.04
<i>DNAH5</i>	NM_001369.2	121.00	100.00	99.88	99.41	98.02
<i>DNAH9</i>	NM_001372.4	106.00	100.00	99.62	98.58	97.28
<i>DNAJB13</i>	NM_153614.3	96.00	100.00	100.00	99.99	99.74
<i>DNAJC12</i>	NM_021800.3	103.00	100.00	100.00	100.00	99.94
<i>DNM1</i>	NM_001005336.3	86.00	99.30	95.69	92.57	87.45
<i>DNM1L</i>	NM_012062.5	104.00	100.00	99.87	98.88	92.17
<i>DNMT3A</i>	NM_022552.4	82.00	99.86	97.74	91.61	81.41
<i>DNMT3B</i>	NM_006892.4	98.00	100.00	99.64	97.73	91.43
<i>DOCK6</i>	NM_020812.4	93.00	99.59	97.21	92.03	84.55
<i>DOCK7</i>	NM_001367561.1	111.00	99.93	99.45	98.61	97.62
<i>DOCK8</i>	NM_203447.3	109.00	99.99	99.66	98.40	94.57
<i>DOLK</i>	NM_014908.4	246.00	100.00	100.00	100.00	100.00
<i>DPAGT1</i>	NM_001382.4	98.00	100.00	100.00	99.61	95.29
<i>DPF2</i>	NM_006268.5	98.00	99.98	98.91	97.59	96.15
<i>DPM1</i>	NM_003859.2	103.00	100.00	100.00	100.00	99.91
<i>DPM3</i>	NM_153741.2	70.00	100.00	100.00	99.97	98.95
<i>DPYSL5</i>	NM_020134.4	111.00	100.00	100.00	99.65	98.12
<i>DRC1</i>	NM_145038.5	75.00	100.00	99.87	98.90	88.45
<i>DSE</i>	NM_013352.4	166.00	100.00	99.92	99.52	98.18

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>DSG1</i>	NM_001942.4	134.00	100.00	99.93	99.21	97.00
<i>DSP</i>	NM_004415.4	230.00	100.00	100.00	100.00	99.91
<i>DSPP</i>	NM_014208.3	29.00	56.58	52.25	50.00	45.53
<i>DSTYK</i>	NM_015375.3	118.00	100.00	99.88	99.45	97.66
<i>DVL1</i>	NM_001330311.2	74.00	96.18	90.98	84.57	71.36
<i>DVL3</i>	NM_004423.4	97.00	99.99	99.49	98.17	94.92
<i>DYM</i>	NM_001353214.2	99.00	100.00	100.00	99.89	98.90
<i>DYNC1H1</i>	NM_001376.5	136.00	99.99	99.79	98.99	96.91
<i>DYNC1I2</i>	NM_001271789.2	105.00	100.00	99.88	99.32	96.23
<i>DYNC2H1</i>	NM_001377.3	110.00	99.32	98.87	97.81	93.99
<i>DYNC2I1</i>	NM_018051	87.00	98.01	90.39	81.62	72.47
<i>DYNC2I2</i>	NM_052844	67.00	100.00	99.44	95.05	75.93
<i>DYNC2LI1</i>	NM_016008	115.00	100.00	100.00	100.00	99.50
<i>DYRK1A</i>	NM_001347721.2	147.00	100.00	99.96	99.87	99.03
<i>EBF3</i>	NM_001005463.3	93.00	99.65	97.69	93.18	85.17
<i>EBP</i>	NM_006579.3	86.00	100.00	99.58	97.84	88.81
<i>ECEL1</i>	NM_004826.4	92.00	100.00	99.88	98.02	87.73
<i>ECHS1</i>	NM_004092.4	107.00	100.00	98.20	93.73	89.75
<i>ECM1</i>	NM_004425.4	89.00	99.95	99.67	98.34	95.53
<i>EDA</i>	NM_001399.5	61.00	99.68	93.60	83.31	66.47
<i>EDAR</i>	NM_022336.4	109.00	100.00	100.00	99.91	97.09
<i>EDEM3</i>	NM_025191	111.00	99.49	97.29	95.47	92.73
<i>EDN1</i>	NM_001955.5	108.00	100.00	100.00	100.00	99.91
<i>EDNRA</i>	NM_001957.4	136.00	100.00	99.77	97.61	92.26
<i>EDNRB</i>	NM_001122659.3	132.00	100.00	100.00	100.00	99.94
<i>EED</i>	NM_003797.5	111.00	100.00	100.00	99.88	96.84
<i>EEF1A2</i>	NM_001958.5	99.00	99.93	99.81	97.88	86.71
<i>EEF1B2</i>	NM_001959.4	174.00	99.83	97.65	93.97	89.80
<i>EEF2</i>	NM_001961.4	118.00	100.00	99.96	99.09	92.60
<i>EFEMP2</i>	NM_016938.5	70.00	99.91	97.47	90.18	76.48
<i>EFNB1</i>	NM_004429.4	84.00	100.00	98.59	90.66	77.11
<i>EFTUD2</i>	NM_004247.4	91.00	100.00	100.00	99.58	93.95
<i>EGR2</i>	NM_000399.5	134.00	100.00	100.00	99.41	96.71
<i>EHMT1</i>	NM_024757.5	91.00	99.40	98.27	96.69	90.37
<i>EIF2AK1</i>	NM_014413.4	115.00	100.00	100.00	99.98	96.87
<i>EIF2AK2</i>	NM_001135651.3	109.00	100.00	100.00	99.91	98.90
<i>EIF2AK3</i>	NM_004836.7	123.00	99.94	99.26	96.46	92.52
<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>EIF2S3</i>	NM_001415.4	103.00	100.00	99.82	98.17	94.15
<i>EIF3F</i>	NM_003754.3	119.00	100.00	100.00	99.51	94.97
<i>EIF4A3</i>	NM_014740.4	102.00	99.81	98.07	90.92	83.09
<i>EIF5A</i>	NM_001970.5	173.00	100.00	100.00	100.00	100.00
<i>ELAC2</i>	NM_018127.7	94.00	100.00	99.96	99.45	95.56
<i>ELFN1</i>	NM_001128636	135.00	100.00	100.00	99.99	99.90
<i>ELMO2</i>	NM_133171.5	109.00	99.76	98.58	97.26	94.01
<i>ELN</i>	NM_000501.4	52.00	99.53	94.54	82.85	53.41

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>ELOVL4</i>	NM_022726.4	102.00	100.00	100.00	99.77	98.61
<i>ELP2</i>	NM_018255.4	105.00	100.00	99.68	98.40	94.47
<i>EMC1</i>	NM_015047.3	91.00	100.00	100.00	99.88	97.36
<i>EMC10</i>	NM_206538.4	37.00	93.40	81.91	64.91	27.96
<i>EMG1</i>	NM_006331.8	147.00	100.00	100.00	99.95	99.45
<i>EMX2</i>	NM_004098.4	91.00	100.00	98.88	93.29	81.08
<i>ENPP1</i>	NM_006208.3	112.00	93.03	90.58	88.98	86.57
<i>ENTPD1</i>	NM_001776.6	114.00	99.99	99.68	99.33	98.72
<i>EOGT</i>	NM_001278689.2	108.00	100.00	100.00	99.99	99.72
<i>EOMES</i>	NM_001278182.2	124.00	100.00	97.49	89.65	84.74
<i>EP300</i>	NM_001429.4	137.00	100.00	99.79	98.41	94.86
<i>EPB41L1</i>	NM_012156.2	85.00	100.00	99.58	97.94	91.50
<i>EPCAM</i>	NM_002354.3	100.00	100.00	98.44	95.75	91.90
<i>EPG5</i>	NM_020964.3	109.00	100.00	99.81	98.80	95.03
<i>EPHB4</i>	NM_004444.5	88.00	100.00	99.73	96.85	85.61
<i>EPRS1</i>	NM_004446.3	123.00	100.00	99.99	99.92	99.58
<i>ERBB3</i>	NM_001982.3	99.00	99.99	99.28	98.19	96.08
<i>ERCC1</i>	NM_001983.4	45.00	99.78	96.54	84.20	39.15
<i>ERCC2</i>	NM_000400.3	86.00	100.00	99.86	98.46	88.19
<i>ERCC3</i>	NM_000122.2	127.00	100.00	99.99	99.64	98.89
<i>ERCC4</i>	NM_005236.3	123.00	100.00	99.99	99.47	94.70
<i>ERCC5</i>	NM_000123.3	108.00	99.97	99.11	97.31	92.98
<i>ERCC6</i>	NM_000124.4	161.00	99.99	99.57	98.92	97.96
<i>ERCC6L2</i>	NM_020207.5	128.00	100.00	99.99	99.90	98.74
<i>ERCC8</i>	NM_000082.3	116.00	100.00	100.00	99.79	96.71
<i>ERF</i>	NM_006494.4	102.00	100.00	99.04	92.98	81.32
<i>ERLIN2</i>	NM_007175.8	109.00	100.00	100.00	99.97	98.46
<i>ERMARD</i>	NM_018341.3	104.00	99.98	99.70	99.11	97.52
<i>ESCO2</i>	NM_001017420.3	155.00	100.00	100.00	100.00	99.84
<i>ETFA</i>	NM_000126.4	109.00	100.00	100.00	100.00	99.19
<i>ETFB</i>	NM_001985.3	54.00	99.96	98.14	89.83	59.17
<i>ETFDH</i>	NM_004453.4	93.00	99.88	98.52	98.12	97.94
<i>ETHE1</i>	NM_014297.5	74.00	99.80	95.60	90.44	83.66
<i>EVC</i>	NM_153717.3	87.00	94.33	93.34	90.84	81.90
<i>EVC2</i>	NM_147127.5	107.00	100.00	99.82	98.45	95.67
<i>EXOSC3</i>	NM_016042.4	173.00	100.00	100.00	100.00	99.98
<i>EXOSC9</i>	NM_005033.3	100.00	98.60	94.02	91.79	84.41
<i>EXPH5</i>	NM_015065.3	334.00	100.00	100.00	100.00	99.96
<i>EXT1</i>	NM_000127.2	134.00	100.00	100.00	99.88	96.59
<i>EXT2</i>	NM_207122.1	121.00	100.00	100.00	99.99	99.98
<i>EXTL3</i>	NM_001440.4	138.00	100.00	100.00	100.00	100.00
<i>EYA1</i>	NM_000503.6	111.00	100.00	99.98	99.76	96.01
<i>EZH2</i>	NM_004456.5	100.00	100.00	99.95	99.50	98.61
<i>FAH</i>	NM_000137.3	108.00	100.00	100.00	99.97	99.23
<i>FAM111A</i>	NM_001312909.2	254.00	100.00	100.00	99.89	99.67
<i>FAM126A</i>	NM_032581.4	159.00	100.00	100.00	100.00	99.84
<i>FAM149B1</i>	NM_173348.2	113.00	100.00	99.70	98.82	97.36

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>FAM161A</i>	NM_001201543.2	219.00	99.97	98.96	96.76	91.81
<i>FAM20A</i>	NM_017565.4	69.00	99.66	96.46	90.87	82.10
<i>FAM20C</i>	NM_020223.4	67.00	99.31	94.57	88.54	69.21
<i>FANCA</i>	NM_000135.4	88.00	100.00	99.40	96.04	82.95
<i>FANCB</i>	NM_001018113.3	111.00	100.00	99.84	97.74	94.77
<i>FANCC</i>	NM_000136.3	91.00	100.00	100.00	99.61	93.15
<i>FANCD2</i>	NM_001018115.2	110.00	100.00	100.00	99.96	99.63
<i>FANCE</i>	NM_021922.3	87.00	95.36	89.17	86.16	80.81
<i>FANCF</i>	NM_022725.4	206.00	100.00	100.00	99.86	98.80
<i>FANCG</i>	NM_004629.1	106.00	100.00	99.71	97.91	91.91
<i>FANCI</i>	NM_001113378.1	117.00	100.00	100.00	99.99	99.61
<i>FANCL</i>	NM_018062.3	91.00	100.00	100.00	99.95	92.89
<i>FANCM</i>	NM_020937.4	138.00	100.00	99.87	99.11	96.06
<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>FASN</i>	NM_004104.5	90.00	99.96	99.15	97.02	91.11
<i>FAT4</i>	NM_001291303.1	266.00	100.00	100.00	100.00	99.95
<i>FBLN1</i>	NM_006486.3	103.00	99.18	96.82	94.31	90.91
<i>FBN1</i>	NM_000138.4	116.00	100.00	99.97	99.83	99.11
<i>FBN2</i>	NM_001999.4	111.00	100.00	99.97	99.80	98.72
<i>FBP1</i>	NM_000507.4	124.00	100.00	100.00	100.00	99.92
<i>FBXL4</i>	NM_001278716.2	139.00	100.00	99.97	99.67	99.16
<i>FBXO11</i>	NM_001190274.1	124.00	96.76	92.69	91.78	91.56
<i>FBXO28</i>	NM_015176.4	82.00	100.00	99.65	96.62	92.84
<i>FBXW11</i>	NM_033644.2	108.00	100.00	100.00	99.99	99.94
<i>FBXW4</i>	NM_022039.4	53.00	76.09	68.27	58.89	52.52
<i>FBXW7</i>	NM_001349798.2	140.00	100.00	99.98	99.84	97.51
<i>FCSK</i>	NM_145059.3	63.00	97.64	91.25	83.37	67.53
<i>FDFT1</i>	NM_004462.5	119.00	100.00	100.00	99.69	96.01
<i>FEZF1</i>	NM_001024613.4	161.00	100.00	100.00	100.00	99.88
<i>FGD1</i>	NM_004463.3	64.00	99.06	95.14	85.17	66.93
<i>FGF10</i>	NM_004465.2	119.00	100.00	100.00	100.00	99.13
<i>FGF12</i>	NM_021032.4	121.00	100.00	100.00	100.00	99.96
<i>FGF13</i>	NM_004114.5	69.00	100.00	98.97	96.42	85.70
<i>FGF14</i>	NM_175929.2	110.00	100.00	100.00	100.00	100.00
<i>FGF3</i>	NM_005247.4	81.00	99.83	97.29	91.33	78.13
<i>FGF9</i>	NM_002010.3	109.00	100.00	99.98	99.30	96.08
<i>FGFR1</i>	NM_023110.3	98.00	100.00	99.79	98.61	96.96
<i>FGFR2</i>	NM_022970.3	103.00	100.00	100.00	99.86	99.06
<i>FGFR3</i>	NM_000142.4	67.00	99.85	98.50	94.54	78.27
<i>FH</i>	NM_000143.3	110.00	98.69	94.82	92.55	91.51
<i>FHL1</i>	NM_001159699.2	95.00	100.00	99.84	98.85	96.37
<i>FIG4</i>	NM_014845.5	107.00	100.00	100.00	99.98	99.36
<i>FKBP14</i>	NM_017946.4	105.00	100.00	100.00	100.00	100.00
<i>FKRP</i>	NM_024301.5	104.00	100.00	100.00	99.52	93.81
<i>FKTN</i>	NM_001079802.1	101.00	100.00	100.00	99.91	97.99
<i>FLAD1</i>	NM_025207.5	134.00	100.00	99.96	99.70	98.87

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>FLG</i>	NM_002016.2	455.00	99.91	99.70	99.57	99.35
<i>FLNA</i>	NM_001110556.2	83.00	99.51	98.02	94.58	84.51
<i>FLNB</i>	NM_001457.4	111.00	100.00	99.95	99.52	96.92
<i>FLT4</i>	NM_182925.5	89.00	99.71	98.36	95.86	88.96
<i>FLVCR1</i>	NM_014053.4	120.00	100.00	99.55	97.33	92.49
<i>FLVCR2</i>	NM_017791.3	132.00	100.00	100.00	100.00	98.71
<i>FMN2</i>	NM_020066.5	90.00	96.79	91.25	85.58	74.07
<i>FMR1</i>	NM_002024.5	79.00	100.00	99.13	95.94	83.48
<i>FN1</i>	NM_212482.3	119.00	100.00	99.99	99.75	98.32
<i>FOLR1</i>	NM_016729.3	125.00	100.00	100.00	99.87	98.36
<i>FOXC1</i>	NM_001453.3	82.00	94.51	89.16	83.11	74.83
<i>FOXC2</i>	NM_005251.3	102.00	99.92	98.40	93.34	83.10
<i>FOXE1</i>	NM_004473.4	74.00	98.87	92.78	82.19	69.98
<i>FOXE3</i>	NM_012186.3	33.00	81.48	69.79	54.74	32.56
<i>FOXF1</i>	NM_001451.3	139.00	100.00	99.99	99.12	92.83
<i>FOXG1</i>	NM_005249.5	266.00	97.87	93.51	90.44	87.93
<i>FOXJ1</i>	NM_001454.4	68.00	99.48	96.69	91.65	76.23
<i>FOXL2</i>	NM_023067.4	116.00	96.38	90.60	85.34	72.47
<i>FOXN1</i>	NM_003593.2	94.00	100.00	99.88	98.99	95.35
<i>FOXP1</i>	NM_032682.5	106.00	100.00	100.00	99.98	99.14
<i>FOXP2</i>	NM_014491.4	99.00	100.00	99.98	99.81	98.71
<i>FOXP3</i>	NM_014009.4	56.00	99.66	93.41	79.63	57.34
<i>FOXP4</i>	NM_001012426.1	72.00	99.00	92.31	85.96	70.77
<i>FOXRED1</i>	NM_017547.4	116.00	100.00	100.00	99.92	98.79
<i>FRAS1</i>	NM_025074.7	111.00	99.95	99.52	98.46	95.86
<i>FREM1</i>	NM_144966.5	125.00	100.00	100.00	99.88	99.03
<i>FREM2</i>	NM_207361.6	168.00	100.00	99.97	99.79	99.05
<i>FRMD7</i>	NM_194277.2	120.00	100.00	100.00	100.00	99.05
<i>FRMPD4</i>	NM_001368396.2	86.00	79.10	77.67	76.33	72.61
<i>FRRS1L</i>	NM_014334.3	67.00	84.27	73.91	65.98	58.46
<i>FRY</i>	NM_023037.3	110.00	100.00	100.00	99.87	98.72
<i>FTCD</i>	NM_206965.2	99.00	97.84	93.49	91.64	86.55
<i>FTL</i>	NM_000146.4	99.00	99.72	96.20	90.69	87.19
<i>FTO</i>	NM_001080432.3	163.00	100.00	100.00	100.00	98.69
<i>FTSJ1</i>	NM_012280.4	68.00	100.00	99.04	95.07	75.76
<i>FUCA1</i>	NM_000147.4	108.00	100.00	100.00	99.99	99.90
<i>FUT8</i>	NM_001371533.1	148.00	100.00	100.00	100.00	99.95
<i>FYCO1</i>	NM_024513.4	89.00	100.00	100.00	99.77	97.54
<i>FZD5</i>	NM_003468.4	169.00	100.00	99.99	99.53	98.86
<i>FZD6</i>	NM_003506.4	220.00	100.00	100.00	99.98	99.95
<i>FZR1</i>	NM_001136198	76.00	100.00	99.74	97.44	90.55
<i>GAA</i>	NM_000152.5	82.00	99.99	99.75	97.91	89.63
<i>GABBR2</i>	NM_005458.8	95.00	97.18	95.36	91.72	88.14
<i>GABRA1</i>	NM_001127644.2	125.00	100.00	100.00	99.71	98.87
<i>GABRB2</i>	NM_001371727.1	125.00	100.00	100.00	100.00	99.95
<i>GABRB3</i>	NM_000814.6	137.00	100.00	100.00	100.00	99.92
<i>GABRG2</i>	NM_198904.2	123.00	100.00	100.00	100.00	100.00

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>GAD1</i>	NM_000817.3	107.00	100.00	99.99	99.64	96.48
<i>GALC</i>	NM_000153.4	100.00	100.00	99.94	99.86	97.42
<i>GALE</i>	NM_001008216.2	80.00	100.00	99.90	98.18	90.93
<i>GALK1</i>	NM_000154.2	101.00	100.00	99.67	99.27	92.16
<i>GALNS</i>	NM_000512.5	73.00	100.00	98.54	91.29	76.06
<i>GALT</i>	NM_000155.4	128.00	100.00	100.00	99.20	87.71
<i>GAMT</i>	NM_000156.6	100.00	98.86	91.92	81.24	74.62
<i>GAN</i>	NM_022041.3	116.00	100.00	99.90	99.38	98.21
<i>GAS2L2</i>	NM_139285.4	117.00	100.00	99.99	98.97	93.02
<i>GAS8</i>	NM_001481.3	67.00	99.74	98.43	93.85	79.34
<i>GATA2</i>	NM_032638.5	74.00	100.00	98.80	92.96	74.13
<i>GATA3</i>	NM_001002295.2	85.00	100.00	99.97	99.34	95.24
<i>GATA4</i>	NM_002052.5	66.00	98.10	85.73	74.64	63.70
<i>GATA6</i>	NM_005257.5	103.00	96.82	92.37	88.25	83.10
<i>GATAD2B</i>	NM_020699.4	122.00	100.00	99.91	99.33	97.20
<i>GATM</i>	NM_001482.3	107.00	100.00	100.00	99.96	99.01
<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	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>GCSH</i>	NM_004483.5	91.00	91.47	74.18	71.70	71.26
<i>GDF1</i>	NM_001492.6	52.00	90.97	75.21	65.18	53.13
<i>GDF11</i>	NM_005811	153.00	90.84	89.12	88.13	87.42
<i>GDF3</i>	NM_020634.3	172.00	100.00	100.00	99.65	98.21
<i>GDF5</i>	NM_000557.5	122.00	100.00	99.95	99.68	95.28
<i>GDF6</i>	NM_001001557.4	73.00	100.00	98.51	91.79	74.63
<i>GDI1</i>	NM_001493.3	76.00	99.97	99.64	97.85	85.29
<i>GEMIN4</i>	NM_015721.3	169.00	99.99	99.87	99.72	99.65
<i>GEMIN5</i>	NM_015465	112.00	100.00	99.94	99.68	97.94
<i>GFAP</i>	NM_002055.5	82.00	99.99	98.85	94.25	82.31
<i>GFER</i>	NM_005262.3	69.00	100.00	99.98	98.36	86.55
<i>GFM1</i>	NM_024996.5	112.00	100.00	99.98	99.62	97.60
<i>GHR</i>	NM_000163.5	183.00	99.78	99.77	99.56	99.27
<i>GIGYF1</i>	NM_022574.5	78.00	99.97	96.86	87.31	75.06
<i>GJA1</i>	NM_000165.5	161.00	100.00	100.00	100.00	100.00
<i>GJA3</i>	NM_021954.4	146.00	100.00	99.75	96.12	71.74
<i>GJA8</i>	NM_005267.5	139.00	100.00	100.00	98.48	87.72
<i>GJB3</i>	NM_024009.3	144.00	100.00	100.00	100.00	99.77
<i>GJC2</i>	NM_020435.4	120.00	95.60	86.14	74.46	59.75
<i>GK</i>	NM_000167.5	84.00	98.58	92.49	86.67	76.33
<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>GLDN</i>	NM_181789.4	108.00	99.99	99.64	97.30	88.69
<i>GLE1</i>	NM_001003722.1	96.00	99.73	98.45	95.04	86.15
<i>GLI2</i>	NM_001371271.1	92.00	99.69	97.66	93.41	89.14
<i>GLI3</i>	NM_000168.6	132.00	100.00	100.00	99.80	96.33

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>GLIS2</i>	NM_032575.2	89.00	100.00	99.73	97.73	92.38
<i>GLIS3</i>	NM_001042413.2	108.00	99.88	98.62	95.48	87.31
<i>GLMN</i>	NM_053274.3	109.00	98.16	96.52	96.00	95.52
<i>GLRA1</i>	NM_000171	114.00	100.00	99.73	98.49	97.40
<i>GLRB</i>	NM_000824	105.00	100.00	99.34	97.23	94.89
<i>GLUD1</i>	NM_005271.5	100.00	100.00	99.97	99.45	98.21
<i>GLUL</i>	NM_001033044.4	114.00	100.00	100.00	99.99	99.40
<i>GM2A</i>	NM_000405.5	105.00	100.00	100.00	100.00	99.78
<i>GMNN</i>	NM_015895.5	76.00	99.94	97.14	91.48	67.06
<i>GMPPA</i>	NM_013335.4	83.00	100.00	99.84	97.11	85.83
<i>GMPPB</i>	NM_021971.4	147.00	100.00	100.00	99.97	99.90
<i>GNA11</i>	NM_002067.5	100.00	100.00	99.86	99.05	95.02
<i>GNA14</i>	NM_004297.4	99.00	100.00	100.00	99.90	99.38
<i>GNAI1</i>	NM_002069.6	100.00	100.00	98.86	94.29	89.20
<i>GNAI3</i>	NM_006496.4	93.00	100.00	100.00	99.76	96.27
<i>GNAO1</i>	NM_020988.3	112.00	100.00	100.00	100.00	99.85
<i>GNAQ</i>	NM_002072.5	132.00	100.00	100.00	99.75	98.86
<i>GNAS</i>	NM_080425.3	169.00	100.00	99.92	99.53	96.20
<i>GNB1</i>	NM_002074.5	87.00	100.00	100.00	99.69	93.00
<i>GNB2</i>	NM_005273.4	116.00	99.94	96.26	87.97	80.72
<i>GNB3</i>	NM_002075.4	90.00	100.00	99.98	99.13	93.74
<i>GNB5</i>	NM_016194.4	96.00	100.00	100.00	99.84	99.23
<i>GNPAT</i>	NM_014236.4	125.00	100.00	99.97	99.48	96.91
<i>GNPTAB</i>	NM_024312.5	124.00	100.00	99.95	99.68	98.22
<i>GNPTG</i>	NM_032520.5	115.00	99.86	96.85	94.49	93.34
<i>GNS</i>	NM_002076.4	104.00	99.72	97.70	95.67	91.27
<i>GOLGA2</i>	NM_004486	92.00	99.86	97.30	93.46	87.93
<i>GON4L</i>	NM_001282858.2	121.00	98.13	97.68	97.25	96.45
<i>GORAB</i>	NM_152281.2	111.00	100.00	99.55	96.99	88.42
<i>GOT2</i>	NM_002080.4	120.00	97.13	93.80	93.09	93.09
<i>GPAA1</i>	NM_003801.4	101.00	100.00	99.95	98.78	91.26
<i>GPC3</i>	NM_004484.4	109.00	99.86	98.68	95.69	90.65
<i>GPC4</i>	NM_001448.3	108.00	100.00	99.97	99.70	98.16
<i>GPC6</i>	NM_005708.5	106.00	100.00	99.99	99.67	98.64
<i>GPHN</i>	NM_020806	104.00	100.00	99.89	99.24	96.33
<i>GPSM2</i>	NM_013296.5	109.00	100.00	100.00	99.99	99.87
<i>GPX4</i>	NM_002085.5	119.00	100.00	98.62	92.85	85.78
<i>GREB1L</i>	NM_001142966.2	108.00	100.00	99.96	99.70	99.09
<i>GRHL2</i>	NM_024915.4	103.00	100.00	99.87	99.02	93.15
<i>GRHL3</i>	NM_198173.3	96.00	100.00	100.00	99.92	98.17
<i>GRIA1</i>	NM_001114183	104.00	100.00	99.95	99.57	96.33
<i>GRIA2</i>	NM_001083619.1	121.00	100.00	100.00	99.90	98.72
<i>GRIA3</i>	NM_007325.5	84.00	99.89	98.01	94.69	88.96
<i>GRIA4</i>	NM_000829.4	111.00	100.00	100.00	99.88	98.42
<i>GRID2</i>	NM_001510.4	128.00	100.00	99.96	99.78	98.83
<i>GRIK2</i>	NM_021956.4	101.00	100.00	100.00	99.94	99.40
<i>GRIN1</i>	NM_007327.4	95.00	99.92	98.95	96.24	91.89

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>GRIN2A</i>	NM_001134407.3	181.00	100.00	100.00	99.97	99.56
<i>GRIN2B</i>	NM_000834.4	159.00	100.00	99.99	99.88	99.32
<i>GRIN2D</i>	NM_000836.2	51.00	79.95	69.62	63.04	51.03
<i>GRM1</i>	NM_001278064.2	159.00	100.00	100.00	99.88	99.04
<i>GRM6</i>	NM_000843.4	101.00	96.57	94.62	92.11	87.74
<i>GSPT2</i>	NM_018094.5	136.00	100.00	99.96	99.57	98.99
<i>GTF2E2</i>	NM_002095.6	108.00	100.00	100.00	100.00	100.00
<i>GTF2H5</i>	NM_207118.3	93.00	100.00	100.00	100.00	100.00
<i>GTPBP2</i>	NM_019096.5	94.00	99.94	98.71	96.45	91.83
<i>GTPBP3</i>	NM_032620.4	72.00	99.96	98.98	95.37	85.80
<i>GUCY2C</i>	NM_004963.4	110.00	100.00	99.96	99.53	96.19
<i>GUSB</i>	NM_000181.4	113.00	100.00	99.99	99.62	93.24
<i>GZF1</i>	NM_022482.5	159.00	100.00	100.00	100.00	100.00
<i>H1-4</i>	NM_005321.2	72.00	100.00	100.00	97.81	89.81
<i>H2AC6</i>	NM_003512.3	165.00	100.00	100.00	100.00	100.00
<i>H3-3A</i>	NM_002107.6	147.00	100.00	100.00	100.00	99.93
<i>H3-4</i>	NM_003493.2	181.00	100.00	100.00	100.00	100.00
<i>H4C11</i>	NM_021968.3	171.00	100.00	100.00	100.00	100.00
<i>H4C2</i>	NM_003544.2	211.00	100.00	100.00	100.00	100.00
<i>H4C3</i>	NM_003542.3	97.00	100.00	100.00	100.00	99.95
<i>HACD1</i>	NM_014241.4	82.00	94.44	81.65	72.30	70.47
<i>HACE1</i>	NM_020771.4	99.00	100.00	100.00	99.20	95.36
<i>HADH</i>	NM_005327.5	110.00	100.00	100.00	99.94	98.39
<i>HADHA</i>	NM_000182.5	115.00	100.00	99.41	98.35	97.06
<i>HARS1</i>	NM_002109.6	111.00	100.00	99.76	97.90	94.09
<i>HAX1</i>	NM_006118.4	109.00	100.00	100.00	99.99	96.77
<i>HCCS</i>	NM_005333.5	79.00	100.00	100.00	99.26	93.21
<i>HCFC1</i>	NM_005334.3	70.00	99.90	98.64	93.83	78.00
<i>HCN1</i>	NM_021072.4	123.00	100.00	100.00	99.83	97.28
<i>HDAC4</i>	NM_006037.3	75.00	98.85	95.30	89.67	77.32
<i>HDAC8</i>	NM_018486.3	77.00	99.99	99.42	97.09	85.24
<i>HECW2</i>	NM_001348768.2	119.00	99.99	99.74	98.83	97.39
<i>HERC1</i>	NM_003922.4	120.00	100.00	100.00	99.92	99.40
<i>HERC2</i>	NM_004667	102.00	97.08	95.00	92.33	88.21
<i>HESX1</i>	NM_003865.3	94.00	100.00	99.22	96.96	92.85
<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>HGSNAT</i>	NM_152419.3	107.00	93.97	91.96	88.61	81.24
<i>HIBCH</i>	NM_014362.4	113.00	100.00	99.84	99.55	95.48
<i>HINT1</i>	NM_005340.7	139.00	100.00	100.00	100.00	100.00
<i>HIRA</i>	NM_003325.4	83.00	99.98	98.82	96.12	87.41
<i>HIVEP2</i>	NM_006734.4	267.00	100.00	100.00	100.00	100.00
<i>HK1</i>	NM_033500.2	96.00	100.00	99.56	97.55	90.78
<i>HLCS</i>	NM_001352514.2	140.00	87.39	87.39	87.39	87.33
<i>HMGB1</i>	NM_002128	130.00	99.59	97.51	90.84	81.64
<i>HMGB3</i>	NM_005342.4	89.00	100.00	99.76	95.95	78.81
<i>HMGL</i>	NM_000191.3	103.00	100.00	100.00	100.00	100.00

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>HMGCS2</i>	NM_005518.4	123.00	99.99	99.22	97.48	94.26
<i>HMX1</i>	NM_018942.3	41.00	97.88	84.64	66.87	34.28
<i>HNF1B</i>	NM_000458.4	91.00	100.00	99.99	99.75	97.39
<i>HNF4A</i>	NM_000457.4	97.00	100.00	99.35	95.43	83.25
<i>HNRNPD</i>	NM_031370.3	108.00	100.00	100.00	99.31	95.04
<i>HNRNPH1</i>	NM_001364229.2	157.00	100.00	100.00	99.99	99.71
<i>HNRNPH2</i>	NM_019597.5	96.00	100.00	100.00	99.99	98.22
<i>HNRNPK</i>	NM_031263.4	123.00	100.00	99.88	99.04	93.90
<i>HNRNPR</i>	NM_005826.5	114.00	100.00	100.00	99.94	99.70
<i>HNRNPU</i>	NM_031844.3	115.00	99.93	99.19	97.30	93.04
<i>HOXA1</i>	NM_005522.4	125.00	100.00	100.00	100.00	100.00
<i>HOXA11</i>	NM_005523.6	100.00	100.00	99.41	94.74	80.77
<i>HOXA13</i>	NM_000522.5	113.00	80.45	74.28	69.43	62.80
<i>HOXB1</i>	NM_002144.4	106.00	100.00	100.00	98.95	96.94
<i>HOXC13</i>	NM_017410.3	91.00	100.00	98.86	92.28	78.33
<i>HOXD13</i>	NM_000523.4	167.00	99.76	97.30	93.38	87.37
<i>HPD</i>	NM_002150.3	102.00	100.00	100.00	99.72	96.80
<i>HPDL</i>	NM_032756.3	102.00	100.00	100.00	100.00	99.70
<i>HPGD</i>	NM_000860.6	91.00	100.00	99.98	99.76	99.49
<i>HPRT1</i>	NM_000194.3	90.00	98.78	95.81	91.85	80.74
<i>HPS1</i>	NM_000195.5	83.00	100.00	99.99	99.55	96.30
<i>HPSE2</i>	NM_021828.4	103.00	99.95	99.76	98.88	95.74
<i>HR</i>	NM_005144.4	76.00	100.00	99.23	95.96	85.58
<i>HRAS</i>	NM_005343.4	135.00	100.00	100.00	100.00	100.00
<i>HS2ST1</i>	NM_012262.4	100.00	100.00	99.85	98.41	88.97
<i>HSD17B10</i>	NM_004493.3	88.00	100.00	99.70	97.40	91.15
<i>HSD17B4</i>	NM_000414.4	110.00	99.68	98.45	96.79	93.35
<i>HSD3B7</i>	NM_025193.4	101.00	100.00	100.00	99.36	95.82
<i>HSF4</i>	NM_001040667.3	68.00	99.97	98.84	95.82	84.46
<i>HSPD1</i>	NM_002156.5	116.00	100.00	99.98	99.78	98.27
<i>HSPG2</i>	NM_005529.7	80.00	99.42	98.10	94.35	84.23
<i>HTRA2</i>	NM_013247.4	136.00	100.00	100.00	99.85	99.65
<i>HUWE1</i>	NM_031407.7	80.00	99.93	99.09	95.87	86.44
<i>HYAL1</i>	NM_033159.4	102.00	100.00	99.91	98.56	93.21
<i>HYAL2</i>	NM_033158	157.00	100.00	100.00	100.00	99.89
<i>HYDIN</i>	NM_001270974.2	76.00	92.58	83.85	77.83	68.21
<i>HYLS1</i>	NM_001134793.1	194.00	100.00	100.00	99.60	98.77
<i>IARS1</i>	NM_002161.5	105.00	100.00	100.00	99.97	99.28
<i>IARS2</i>	NM_018060.4	109.00	100.00	99.90	99.35	98.10
<i>IDS</i>	NM_000202.8	88.00	99.94	97.50	93.21	83.35
<i>IDUA</i>	NM_000203.5	84.00	97.59	89.68	81.15	66.83
<i>IFIH1</i>	NM_022168.4	114.00	100.00	100.00	100.00	99.89
<i>IFITM5</i>	NM_001025295.3	132.00	100.00	100.00	100.00	99.97
<i>IFT122</i>	NM_052989.3	91.00	100.00	99.62	97.64	93.20
<i>IFT140</i>	NM_014714.4	93.00	100.00	99.76	98.30	92.62
<i>IFT172</i>	NM_015662.3	108.00	100.00	99.98	99.53	97.76
<i>IFT43</i>	NM_001102564.1	92.00	100.00	100.00	99.84	95.10

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>IFT74</i>	NM_025103	68.00	99.98	99.33	96.17	81.30
<i>IFT80</i>	NM_020800.3	100.00	100.00	99.98	99.54	95.48
<i>IGBP1</i>	NM_001551.3	88.00	99.82	98.20	94.29	84.06
<i>IGF1</i>	NM_000618.5	76.00	100.00	99.93	98.82	85.96
<i>IGF1R</i>	NM_000875.5	101.00	100.00	99.55	98.40	97.20
<i>IGF2</i>	NM_000612.6	63.00	100.00	99.79	98.31	80.76
<i>IGFBP7</i>	NM_001553.3	70.00	96.20	88.77	80.54	72.68
<i>IGHMBP2</i>	NM_002180.2	108.00	100.00	99.79	98.11	93.08
<i>IGSF1</i>	NM_001555.5	93.00	100.00	99.53	97.00	90.85
<i>IHH</i>	NM_002181.4	115.00	100.00	98.79	95.82	91.15
<i>IKBKG</i>	NM_003639.4	0.00	19.84	14.24	11.58	5.97
<i>IL11</i>	NM_000641.4	38.00	94.71	82.10	64.27	33.53
<i>IL11RA</i>	NM_001142784.2	77.00	99.98	96.94	88.22	77.91
<i>IL1RAPL1</i>	NM_014271.4	102.00	100.00	99.56	98.48	96.58
<i>INPP4A</i>	NM_001134225.2	102.00	100.00	99.75	98.95	97.01
<i>INPP5E</i>	NM_019892.6	82.00	99.58	96.18	91.77	83.39
<i>INPP5K</i>	NM_016532.4	91.00	100.00	100.00	99.44	95.39
<i>INPPL1</i>	NM_001567.4	88.00	97.84	95.31	93.74	86.91
<i>IPO8</i>	NM_006390	107.00	100.00	100.00	99.69	98.02
<i>IQSEC1</i>	NM_001134382.3	112.00	99.93	98.02	92.70	83.83
<i>IQSEC2</i>	NM_001111125.3	53.00	96.19	87.09	73.36	53.68
<i>IRF2BPL</i>	NM_024496.4	127.00	97.18	94.82	92.72	88.56
<i>IRF6</i>	NM_006147.4	132.00	100.00	99.90	99.25	98.07
<i>IRX5</i>	NM_005853.6	150.00	99.94	97.14	91.53	83.14
<i>ITCH</i>	NM_031483.7	99.00	100.00	99.95	99.22	96.87
<i>ITGA3</i>	NM_002204.4	88.00	100.00	99.82	98.31	93.15
<i>ITGA6</i>	NM_001079818.3	130.00	100.00	100.00	99.98	97.90
<i>ITGA7</i>	NM_001144996.2	90.00	99.98	99.20	95.77	86.69
<i>ITGA8</i>	NM_003638.3	106.00	100.00	100.00	99.83	98.76
<i>ITPR1</i>	NM_001099952.3	109.00	100.00	99.86	99.16	96.61
<i>IVD</i>	NM_002225.5	85.00	100.00	100.00	99.47	93.61
<i>JAG1</i>	NM_000214.3	130.00	99.51	98.00	97.73	96.77
<i>JAG2</i>	NM_002226	87.00	98.17	97.10	92.80	83.51
<i>JAGN1</i>	NM_032492.4	155.00	100.00	100.00	100.00	99.84
<i>JAK3</i>	NM_000215.3	91.00	99.97	99.32	97.45	91.76
<i>JAM3</i>	NM_032801.5	117.00	100.00	100.00	99.98	99.90
<i>JARID2</i>	NM_004973.4	100.00	100.00	99.97	99.40	96.45
<i>KANK1</i>	NM_001256877.2	133.00	100.00	100.00	100.00	99.81
<i>KANSL1</i>	NM_015443.3	122.00	99.97	99.61	98.08	92.98
<i>KARS1</i>	NM_001130089.1	126.00	100.00	100.00	100.00	99.79
<i>KAT5</i>	NM_182710.3	110.00	99.82	97.55	94.16	87.58
<i>KAT6A</i>	NM_006766.5	159.00	100.00	99.94	99.54	97.84
<i>KAT6B</i>	NM_012330.4	162.00	99.99	99.71	98.51	92.94
<i>KATNB1</i>	NM_005886.3	102.00	100.00	100.00	99.65	94.62
<i>KBTBD13</i>	NM_001101362.2	152.00	100.00	99.96	99.62	98.74
<i>KCNA1</i>	NM_000217	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

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
KCNA4	NM_002233.4	171.00	100.00	100.00	100.00	100.00
KCNB1	NM_004975.4	197.00	100.00	100.00	100.00	99.97
KCNC1	NM_001112741.1	162.00	100.00	100.00	100.00	99.97
KCNC3	NM_004977.3	128.00	83.19	76.70	68.94	60.51
KCND3	NM_004980.4	207.00	100.00	100.00	99.91	95.93
KCNE1	NM_000219.6	464.00	100.00	100.00	100.00	100.00
KCNH1	NM_172362.3	155.00	100.00	99.93	99.53	98.30
KCNH5	NM_139318.5	151.00	100.00	100.00	99.91	99.20
KCNJ10	NM_002241.5	198.00	100.00	100.00	100.00	100.00
KCNJ11	NM_000525.3	158.00	100.00	100.00	100.00	99.99
KCNJ6	NM_002240.5	213.00	100.00	100.00	100.00	100.00
KCNJ8	NM_004982.4	746.00	100.00	100.00	100.00	100.00
KCNK3	NM_002246.3	104.00	98.37	94.88	91.69	84.17
KCNK4	NM_033310.3	69.00	98.55	91.20	80.99	65.06
KCNK9	NM_001282534.2	139.00	100.00	100.00	100.00	99.98
KCNMA1	NM_001161352.2	90.00	100.00	99.79	98.49	93.17
KCNN3	NM_002249.6	76.00	100.00	99.76	96.52	87.72
KCNQ1	NM_000218.3	94.00	93.30	90.90	87.87	80.86
KCNQ2	NM_172106.3	93.00	99.58	97.37	94.42	87.55
KCNQ3	NM_004519.4	114.00	97.73	96.13	94.65	90.00
KCNQ5	NM_019842.3	114.00	99.32	95.89	92.88	90.06
KCNT1	NM_020822.3	73.00	99.57	95.80	89.07	77.07
KCNT2	NM_001287819.3	107.00	99.95	99.18	97.15	95.49
KCTD1	NM_001142730.3	145.00	99.69	96.00	89.25	81.70
KCTD7	NM_153033.4	112.00	100.00	100.00	99.91	98.81
KDELR2	NM_006854.4	71.00	100.00	98.54	89.08	76.61
KDM1A	NM_015013.4	88.00	99.73	96.95	92.94	86.52
KDM3B	NM_016604.4	109.00	98.92	96.39	95.18	94.04
KDM4B	NM_015015.3	99.00	99.95	99.15	97.53	90.06
KDM5A	NM_001042603.3	106.00	99.97	99.84	99.49	98.52
KDM5B	NM_006618.5	110.00	100.00	100.00	99.91	99.40
KDM5C	NM_001353978.2	93.00	100.00	99.45	96.78	89.40
KDM6A	NM_001291415.1	93.00	100.00	99.60	97.93	88.13
KDM6B	NM_001348716.1	109.00	99.24	96.08	91.29	81.09
KIAA0586	NM_001329943.3	96.00	100.00	99.92	99.05	93.85
KIAA1109	NM_015312.3	116.00	100.00	99.99	99.81	98.42
KIDINS220	NM_001348732.2	126.00	99.99	99.76	98.56	95.80
KIF11	NM_004523.4	93.00	100.00	99.49	97.18	91.01
KIF14	NM_014875.3	133.00	99.93	98.91	98.18	95.35
KIF1A	NM_001244008.1	84.00	100.00	99.84	97.90	85.93
KIF22	NM_007317.3	120.00	99.98	99.61	98.50	93.72
KIF2A	NM_001098511.2	92.00	100.00	99.81	97.91	90.64
KIF3B	NM_004798.4	140.00	100.00	100.00	99.98	98.13
KIF4A	NM_012310.5	86.00	100.00	99.64	97.51	89.25
KIF5A	NM_004984	80.00	99.96	99.72	97.58	86.43
KIF5C	NM_004522.3	90.00	99.96	97.78	92.70	83.27
KIF7	NM_198525.3	78.00	98.34	93.95	88.39	76.48

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>KIFBP</i>	NM_015634.4	162.00	100.00	99.95	99.16	91.00
<i>KIRREL3</i>	NM_032531.4	85.00	100.00	99.76	97.01	85.07
<i>KIT</i>	NM_000222.2	113.00	100.00	100.00	100.00	99.91
<i>KITLG</i>	NM_000899.5	105.00	100.00	100.00	100.00	98.92
<i>KLF1</i>	NM_006563.5	77.00	99.93	98.37	92.07	84.38
<i>KLF7</i>	NM_003709.4	105.00	100.00	100.00	100.00	99.94
<i>KLF8</i>	NM_007250.5	113.00	99.81	98.78	95.87	88.43
<i>KLHL15</i>	NM_030624.3	156.00	100.00	100.00	100.00	100.00
<i>KLHL40</i>	NM_152393.4	79.00	100.00	99.94	98.52	93.50
<i>KLHL7</i>	NM_001031710.3	120.00	100.00	100.00	100.00	100.00
<i>KMT2A</i>	NM_001197104.1	159.00	99.73	99.18	98.38	96.31
<i>KMT2B</i>	NM_014727.2	100.00	95.53	94.33	91.94	86.58
<i>KMT2C</i>	NM_170606.3	174.00	99.68	98.98	98.07	96.03
<i>KMT2D</i>	NM_003482.3	128.00	100.00	99.76	98.28	92.89
<i>KMT2E</i>	NM_182931.3	152.00	100.00	99.87	99.12	95.78
<i>KMT5B</i>	NM_017635.5	231.00	100.00	100.00	100.00	99.91
<i>KPNA7</i>	NM_001145715.2	98.00	100.00	99.14	96.44	92.17
<i>KPTN</i>	NM_007059.4	82.00	99.98	98.24	92.74	83.92
<i>KRAS</i>	NM_004985.5	120.00	100.00	99.32	98.31	88.38
<i>KRIT1</i>	NM_194456.1	120.00	100.00	100.00	100.00	99.99
<i>KRT74</i>	NM_175053.4	94.00	100.00	99.40	97.10	87.04
<i>L1CAM</i>	NM_001278116.2	73.00	99.96	97.56	90.36	77.23
<i>L2HGDH</i>	NM_024884.3	103.00	100.00	99.96	98.16	88.65
<i>LAGE3</i>	NM_006014.4	32.00	97.62	81.28	55.33	29.93
<i>LAMA1</i>	NM_005559.4	101.00	100.00	100.00	99.92	98.37
<i>LAMA2</i>	NM_000426.3	108.00	100.00	99.99	99.72	98.00
<i>LAMB1</i>	NM_002291.3	129.00	100.00	100.00	99.93	99.45
<i>LAMC3</i>	NM_006059.4	87.00	99.91	98.40	93.77	84.00
<i>LAMP2</i>	NM_002294.3	80.00	100.00	99.41	97.44	87.79
<i>LARGE1</i>	NM_004737.6	92.00	100.00	99.81	98.57	94.49
<i>LARP7</i>	NM_016648.4	83.00	100.00	99.12	95.60	88.25
<i>LARS2</i>	NM_015340.4	99.00	100.00	100.00	99.93	99.10
<i>LAS1L</i>	NM_001170649.1	83.00	100.00	99.80	98.32	85.25
<i>LBR</i>	NM_002296.4	94.00	100.00	99.99	99.82	96.02
<i>LDB3</i>	NM_007078.3	92.00	99.92	99.13	95.89	86.14
<i>LEFTY2</i>	NM_003240.5	144.00	100.00	99.84	99.07	97.41
<i>LEMD2</i>	NM_181336.4	64.00	99.74	90.77	72.62	57.56
<i>LEMD3</i>	NM_014319.5	107.00	100.00	99.98	99.32	94.06
<i>LFNG</i>	NM_001040167.2	70.00	84.51	81.81	78.52	69.63
<i>LGI4</i>	NM_139284.3	69.00	99.97	98.91	95.08	84.84
<i>LHX3</i>	NM_178138.6	73.00	100.00	99.99	98.28	84.40
<i>LHX4</i>	NM_033343.4	92.00	100.00	98.98	95.72	88.92
<i>LIAS</i>	NM_006859.4	109.00	100.00	98.97	97.01	94.99
<i>LIFR</i>	NM_002310	114.00	100.00	99.68	97.92	90.84
<i>LIG4</i>	NM_002312.3	286.00	100.00	100.00	100.00	100.00
<i>LINGO1</i>	NM_001301191.2	125.00	100.00	100.00	100.00	99.97
<i>LINS1</i>	NM_001040616.3	164.00	100.00	100.00	100.00	100.00

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
LIPN	NM_001102469.1	118.00	100.00	100.00	99.98	99.12
LIPT1	NM_145199.3	201.00	100.00	100.00	100.00	100.00
LIPT2	NM_001144869.3	95.00	100.00	100.00	100.00	96.36
LMBRD1	NM_018368.4	84.00	99.66	97.56	93.97	87.07
LMBRD2	NM_001007527	90.00	99.99	98.64	94.22	85.33
LMNA	NM_170707.4	57.00	100.00	98.85	90.66	64.94
LMNB1	NM_005573.4	95.00	100.00	99.61	96.99	91.35
LMNB2	NM_032737.4	66.00	95.19	92.47	85.61	72.76
LMOD3	NM_198271.4	208.00	100.00	99.47	97.91	96.00
LMX1B	NM_001174147.2	85.00	99.75	96.63	93.70	87.23
LNPK	NM_030650.3	91.00	99.15	95.77	91.89	86.17
LONP1	NM_004793.4	91.00	99.99	99.71	97.52	90.32
LRAT	NM_004744.5	172.00	100.00	100.00	100.00	99.99
LRBA	NM_001364905.1	117.00	100.00	99.99	99.83	98.03
LRIG2	NM_014813.3	128.00	100.00	100.00	99.87	99.32
LRIT3	NM_198506.5	240.00	100.00	100.00	100.00	100.00
LRP2	NM_004525.3	125.00	100.00	99.90	99.32	97.84
LRP4	NM_002334.4	111.00	100.00	99.97	99.16	94.95
LRP5	NM_002335.4	120.00	98.18	97.79	96.26	93.62
LRP6	NM_002336.3	124.00	99.98	99.89	99.44	98.38
LRPAP1	NM_002337.4	82.00	98.29	91.74	84.11	79.64
LRPPRC	NM_133259.4	107.00	99.95	99.31	98.41	96.89
LRRC56	NM_198075.4	62.00	100.00	98.83	92.36	70.88
LTBP1	NM_206943	106.00	99.79	98.55	96.28	90.71
LTBP2	NM_000428.3	73.00	99.80	97.72	92.64	82.21
LTBP3	NM_001130144.2	75.00	98.78	94.78	87.06	71.79
LYST	NM_000081.4	130.00	100.00	99.98	99.80	98.24
LZTR1	NM_006767.4	89.00	100.00	99.99	99.50	93.71
MAB21L1	NM_005584.5	159.50	100.00	100.00	100.00	100.00
MAB21L2	NM_006439.5	284.00	100.00	100.00	99.85	98.92
MACF1	NM_012090.5	105.00	100.00	99.94	99.33	97.79
MADD	NM_003682.4	113.00	99.99	99.80	99.16	97.86
MAF	NM_005360.5	89.00	80.92	75.60	72.33	69.84
MAFB	NM_005461.5	90.00	100.00	100.00	99.79	99.23
MAGEL2	NM_019066.5	135.00	100.00	98.86	93.95	75.30
MAGI2	NM_012301.4	96.00	93.74	92.20	90.31	85.55
MAGT1	NM_001367916.1	81.00	99.48	96.89	92.80	87.58
MAMLD1	NM_001177465.3	96.00	100.00	99.98	99.23	93.98
MAN1B1	NM_016219.5	112.00	100.00	99.97	99.16	94.04
MAN2B1	NM_000528.4	93.00	100.00	99.34	95.41	88.65
MANBA	NM_005908.4	104.00	100.00	100.00	99.98	99.59
MAOA	NM_000240.3	84.00	100.00	99.99	98.81	91.73
MAP2K1	NM_002755.3	94.00	100.00	99.91	99.14	97.26
MAP2K2	NM_030662.3	94.00	100.00	99.09	93.83	79.82
MAP3K1	NM_005921.2	118.00	99.77	96.49	93.20	89.77
MAP3K7	NM_145331.3	101.00	100.00	99.94	99.67	98.80
MAPK1	NM_002745.4	104.00	100.00	99.85	99.36	96.96

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
MAPK10	NM_138982.4	99.00	100.00	99.41	97.58	91.11
MAPK8IP3	NM_001040439.2	87.00	100.00	99.74	97.68	90.93
MAPKAPK5	NM_003668.4	98.00	100.00	99.93	99.01	93.73
MAPRE2	NM_014268.4	105.00	100.00	100.00	100.00	99.82
MASP1	NM_139125.3	122.00	100.00	100.00	99.96	98.75
MAST1	NM_014975.3	114.00	99.99	98.95	95.40	88.59
MAT1A	NM_000429.3	116.00	100.00	100.00	100.00	100.00
MATN3	NM_002381.5	118.00	90.49	85.33	84.80	84.75
MAU2	NM_015329.4	78.00	100.00	99.41	96.34	87.80
MBD5	NM_018328.4	218.00	100.00	99.93	99.60	99.27
MBOAT7	NM_024298.5	70.00	99.75	95.70	90.06	77.94
MC2R	NM_000529.2	200.00	100.00	100.00	100.00	100.00
MCCC1	NM_020166.5	108.00	100.00	100.00	99.78	96.36
MCCC2	NM_022132.5	115.00	100.00	99.43	96.82	90.01
MCEE	NM_032601.4	137.00	100.00	100.00	100.00	100.00
MCOLN1	NM_020533.3	84.00	100.00	99.30	96.39	89.97
MCPH1	NM_024596.5	153.00	100.00	99.67	97.80	94.34
MDH2	NM_005918.4	102.00	100.00	99.96	97.83	84.87
MECOM	NM_004991.4	158.00	100.00	99.95	99.34	95.32
MECP2	NM_001110792.2	137.00	99.74	96.71	93.15	89.25
MECR	NM_016011.5	76.00	97.35	88.04	82.73	76.11
MED12	NM_005120.3	82.00	99.94	98.45	94.27	86.12
MED13	NM_005121.3	131.00	100.00	99.88	99.23	97.64
MED13L	NM_015335.4	116.00	99.97	99.79	98.57	95.67
MED17	NM_004268.5	91.00	100.00	99.99	99.78	98.16
MED23	NM_004830.4	98.00	100.00	99.96	99.60	98.46
MED25	NM_030973.3	79.00	99.95	99.17	95.81	85.20
MED27	NM_004269.4	101.00	100.00	100.00	99.98	99.88
MEF2C	NM_001364333.2	117.00	100.00	99.93	99.10	94.31
MEGF10	NM_001256545.2	107.00	100.00	100.00	99.97	99.38
MEGF8	NM_001271938.2	79.00	99.78	96.97	90.98	78.59
MEIS2	NM_170675.5	82.00	99.94	99.23	97.88	94.91
MEOX1	NM_004527.4	71.00	100.00	99.94	97.11	79.14
MESD	NM_015154.3	106.00	100.00	100.00	99.89	97.02
MESP2	NM_001039958.2	89.00	99.89	97.95	94.79	82.02
METTL23	NM_001206983.2	300.00	100.00	100.00	100.00	100.00
METTL5	NM_014168.4	118.00	100.00	100.00	100.00	99.74
MFF	NM_001277062.2	117.00	100.00	100.00	100.00	99.68
MFN2	NM_014874.4	110.00	100.00	99.97	99.36	95.34
MFRP	NM_031433.4	80.00	100.00	99.96	98.32	91.73
MFSD2A	NM_032793.5	93.00	100.00	99.92	98.58	90.79
MFSD8	NM_152778.3	108.00	100.00	99.98	99.84	99.12
MGAT2	NM_002408.4	395.50	100.00	100.00	100.00	100.00
MGP	NM_000900.5	101.00	100.00	98.90	92.83	84.96
MIB1	NM_020774.3	108.00	99.97	99.38	97.31	93.90
MICU1	NM_001195518.2	108.00	100.00	100.00	99.92	98.89
MID1	NM_000381.4	98.00	100.00	99.82	97.87	92.69

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
MIR17HG	NR_027350	0.00	0.00	0.00	0.00	0.00
MIR184	NR_162097	0.00	0.00	0.00	0.00	0.00
MITF	NM_000248.3	106.00	100.00	100.00	99.99	96.37
MKKS	NM_170784.2	581.00	100.00	100.00	100.00	100.00
MKS1	NM_017777.4	94.00	99.99	99.19	97.05	89.75
MLC1	NM_015166.3	82.00	100.00	99.84	97.75	84.10
MLYCD	NM_012213.3	79.00	95.65	88.25	78.73	65.72
MMAA	NM_172250.3	120.00	100.00	99.96	99.63	98.80
MMAB	NM_052845.4	86.00	100.00	100.00	99.68	93.64
MMACHC	NM_015506.3	119.00	100.00	100.00	99.89	98.85
MMADHC	NM_015702.3	90.00	100.00	99.98	99.77	95.74
MMGT1	NM_173470.2	88.00	100.00	100.00	100.00	98.10
MMP13	NM_002427.4	139.00	100.00	100.00	99.99	99.84
MMP14	NM_004995.4	102.00	100.00	100.00	99.52	94.93
MMP21	NM_147191.1	118.00	99.66	95.92	90.46	80.47
MMUT	NM_000255.4	143.00	100.00	100.00	99.98	99.58
MN1	NM_002430.3	90.00	100.00	99.82	98.09	90.46
MNX1	NM_005515.4	35.00	73.23	66.30	56.81	33.57
MOCS1	NM_001358530.2	85.00	100.00	98.48	95.56	93.16
MOCS2	NM_004531.5	118.00	100.00	100.00	100.00	100.00
MOGS	NM_006302.3	102.00	100.00	100.00	99.87	98.83
MORC2	NM_001303256.3	109.00	100.00	100.00	99.84	98.17
MPDU1	NM_004870.4	113.00	100.00	100.00	98.05	90.00
MPDZ	NM_001261406.1	115.00	100.00	99.99	99.84	98.79
MPI	NM_002435.3	110.00	100.00	100.00	100.00	99.93
MPLKIP	NM_138701.4	74.00	99.86	97.26	91.68	84.60
MPV17	NM_002437.5	68.00	100.00	100.00	98.82	86.63
MPZ	NM_000530.8	96.00	100.00	100.00	98.99	91.81
MRAS	NM_001085049.3	116.00	100.00	100.00	100.00	99.73
MRE11	NM_005591.3	111.00	100.00	100.00	99.94	98.57
MRPS2	NM_016034.5	116.00	99.98	99.32	95.68	80.22
MRPS22	NM_020191.4	87.00	100.00	99.80	98.69	92.86
MRPS34	NM_023936.2	122.00	100.00	100.00	100.00	99.56
MSI1	NM_002442.4	48.00	92.76	87.24	76.34	48.69
MSL2	NM_018133.4	280.00	100.00	100.00	100.00	99.89
MSL3	NM_078629.4	79.00	99.83	97.78	92.26	76.07
MSX1	NM_002448.3	50.00	99.81	96.62	84.95	50.61
MSX2	NM_002449.5	104.00	100.00	98.98	95.14	89.74
MTF1	NM_005955.3	119.00	100.00	100.00	99.84	95.75
MTHFR	NM_005957.5	90.00	100.00	99.83	98.45	95.53
MTM1	NM_000252.2	77.00	100.00	99.89	98.80	93.14
MTO1	NM_012123.4	140.00	100.00	100.00	100.00	99.94
MTOR	NM_004958.4	94.00	99.99	99.71	98.68	96.20
MTR	NM_000254.2	112.00	100.00	99.73	98.96	96.45
MTRFR	NM_152269.5	102.00	100.00	99.97	98.19	74.48
MTRR	NM_002454.3	113.00	100.00	100.00	100.00	99.90
MT-TP	NM_000253	114.00	100.00	100.00	100.00	99.98

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
MYBPC1	NM_002465.4	99.00	100.00	100.00	99.94	98.85
MYCN	NM_005378.6	132.00	98.65	93.71	89.09	82.18
MYF5	NM_005593.3	114.00	100.00	100.00	100.00	99.58
MYH10	NM_005964.4	110.00	100.00	99.94	99.36	97.09
MYH11	NM_002474.3	101.00	100.00	99.66	98.19	92.66
MYH3	NM_002470.4	140.00	99.98	99.40	98.18	96.10
MYH6	NM_002471.3	117.00	100.00	99.73	98.13	94.16
MYH8	NM_002472.3	179.00	100.00	100.00	100.00	99.99
MYH9	NM_002473.5	82.00	99.88	97.73	91.58	77.76
MYL1	NM_079420.3	99.00	100.00	100.00	100.00	98.89
MYLK	NM_053025.4	109.00	99.96	99.47	98.38	94.94
MYLPF	NM_013292.5	86.00	100.00	100.00	100.00	98.16
MYO18B	NM_032608.7	81.00	100.00	99.25	96.49	87.13
MYO5A	NM_000259.3	107.00	99.97	98.74	96.70	94.46
MYO5B	NM_001080467.3	108.00	100.00	99.83	98.58	94.07
MYO7A	NM_000260.4	85.00	99.90	99.11	97.17	91.61
MYOC	NM_000261.2	166.00	100.00	100.00	99.82	98.86
MYOCD	NM_001146312.2	125.00	100.00	100.00	99.82	98.98
MYPN	NM_032578.3	126.00	100.00	99.99	99.75	98.30
MYRF	NM_001127392.3	85.00	99.10	95.43	91.80	84.82
MYSM1	NM_001085487.3	131.00	99.93	98.75	96.25	93.05
MYT1	NM_004535.3	103.00	99.94	99.30	97.84	93.92
MYT1L	NM_001303052.2	116.00	100.00	99.94	99.32	96.58
NAA10	NM_003491.4	50.00	99.19	90.48	74.03	51.13
NAA15	NM_057175.5	99.00	100.00	100.00	99.99	97.80
NAA20	NM_181527	109.00	100.00	100.00	100.00	99.92
NACC1	NM_052876.4	79.00	100.00	99.41	97.31	92.58
NADK2	NM_001085411.3	92.00	97.47	91.83	89.01	87.44
NADSYN1	NM_018161.5	101.00	100.00	99.98	99.63	91.83
NAGA	NM_000262.3	103.00	99.98	97.89	94.37	92.05
NAGLU	NM_000263.4	82.00	95.86	91.28	88.69	81.45
NAGS	NM_153006.3	101.00	100.00	99.53	96.15	89.46
NALCN	NM_052867.4	105.00	100.00	100.00	99.93	99.33
NANS	NM_018946.4	90.00	100.00	99.99	99.63	96.47
NAPB	NM_022080.2	116.00	100.00	100.00	100.00	99.80
NARS1	NM_004539.4	126.00	100.00	100.00	99.84	96.35
NARS2	NM_024678	100.00	99.74	98.08	97.41	97.01
NAXD	NM_001242882.1	104.00	100.00	100.00	99.98	99.78
NAXE	NM_144772.3	108.00	99.74	97.47	94.37	89.05
NBAS	NM_015909.4	111.00	100.00	100.00	99.87	98.44
NBEA	NM_015678.4	104.00	99.56	98.93	97.98	95.34
NBN	NM_002485.4	130.00	100.00	100.00	99.98	99.24
NCAPD2	NM_014865.4	115.00	100.00	99.98	99.56	96.91
NCAPD3	NM_015261.3	112.00	100.00	100.00	99.91	99.50
NCAPG2	NM_017760.7	100.00	100.00	99.75	98.69	94.30
NCAPH	NM_015341.5	91.00	100.00	99.54	96.28	91.56
NCDN	NM_014284.3	92.00	99.85	98.19	96.10	92.95

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>NCKAP1</i>	NM_013436.5	95.00	99.95	99.38	98.12	94.82
<i>NCOR1</i>	NM_006311.4	107.00	99.89	99.02	97.06	92.36
<i>NDE1</i>	NM_017668.3	86.00	99.96	97.03	90.90	82.05
<i>NDNF</i>	NM_024574.4	254.00	100.00	100.00	99.97	99.85
<i>NDP</i>	NM_000266.4	85.00	100.00	100.00	100.00	85.43
<i>NDST1</i>	NM_001543.5	107.00	99.99	99.76	98.81	93.77
<i>NDUFA1</i>	NM_004541.4	89.00	100.00	100.00	100.00	100.00
<i>NDUFA10</i>	NM_004544.4	92.00	94.69	93.10	92.52	91.78
<i>NDUFA12</i>	NM_018838	124.00	100.00	100.00	99.70	95.07
<i>NDUFA6</i>	NM_002490.6	117.00	100.00	100.00	100.00	100.00
<i>NDUFA8</i>	NM_014222.3	90.00	100.00	100.00	99.84	93.62
<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>NDUFAF8</i>	NM_001086521.2	23.00	94.68	63.88	25.69	8.50
<i>NDUFB11</i>	NM_001135998.2	68.00	98.61	95.03	90.57	78.24
<i>NDUFB3</i>	NM_002491	134.00	100.00	100.00	100.00	100.00
<i>NDUFB7</i>	NM_004146.6	54.00	99.90	96.02	84.68	57.91
<i>NDUFB8</i>	NM_005004.4	70.00	100.00	100.00	99.96	94.59
<i>NDUFS1</i>	NM_005006.7	104.00	100.00	100.00	100.00	99.91
<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>NDUFV1</i>	NM_007103.4	99.00	99.93	99.15	96.45	89.57
<i>NEB</i>	NM_001271208.2	132.00	89.12	87.74	87.02	86.02
<i>NECTIN1</i>	NM_002855.5	68.00	99.90	98.69	94.45	83.73
<i>NECTIN4</i>	NM_030916.3	95.00	100.00	100.00	99.57	96.79
<i>NEDD4L</i>	NM_001144967.3	106.00	100.00	99.87	98.56	93.54
<i>NEK1</i>	NM_012224.3	112.00	99.97	99.60	98.78	97.24
<i>NEK8</i>	NM_178170.3	92.00	100.00	99.87	97.95	89.92
<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>NF1</i>	NM_001042492.3	125.00	100.00	99.77	98.75	94.96
<i>NFE2L2</i>	NM_006164.5	286.00	100.00	100.00	99.57	97.56
<i>NFIA</i>	NM_001134673.4	132.00	99.62	98.59	97.91	94.87
<i>NFIB</i>	NM_001190737.2	112.00	100.00	99.83	98.40	95.35
<i>NFIX</i>	NM_001271043.2	120.00	100.00	99.47	96.92	88.61
<i>NFU1</i>	NM_001002755.3	74.00	100.00	99.97	97.71	81.08
<i>NGLY1</i>	NM_018297.4	112.00	100.00	98.53	95.12	93.22
<i>NHLRC2</i>	NM_198514	120.00	100.00	100.00	100.00	99.49
<i>NHP2</i>	NM_017838.3	101.00	100.00	100.00	100.00	99.83
<i>NHS</i>	NM_001291867.2	106.00	98.97	95.25	92.48	88.05
<i>NIPBL</i>	NM_133433.4	115.00	100.00	99.96	99.71	98.33
<i>NKAP</i>	NM_024528.4	78.00	94.90	94.71	93.85	85.42
<i>NKX2-1</i>	NM_003317.4	77.00	100.00	97.93	87.98	73.16
<i>NKX2-5</i>	NM_004387.4	101.00	100.00	99.00	91.43	70.88
<i>NKX3-2</i>	NM_001189.4	80.00	100.00	99.45	96.84	90.96
<i>NKX6-2</i>	NM_177400.3	79.00	98.03	89.84	81.72	75.72

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>NLGN3</i>	NM_018977.4	105.00	99.70	98.36	94.67	89.59
<i>NLGN4X</i>	NM_181332.3	210.00	100.00	100.00	100.00	100.00
<i>NMNAT1</i>	NM_022787.4	136.00	100.00	100.00	100.00	99.93
<i>NODAL</i>	NM_018055.5	106.00	100.00	99.98	99.88	98.84
<i>NOG</i>	NM_005450.6	126.00	100.00	100.00	99.96	99.57
<i>NONO</i>	NM_007363.5	79.00	100.00	98.58	93.79	83.08
<i>NOP10</i>	NM_018648.3	103.00	100.00	100.00	100.00	100.00
<i>NOTCH1</i>	NM_017617.5	96.00	98.99	97.62	94.26	85.40
<i>NOTCH2</i>	NM_024408.4	113.00	99.79	98.82	97.44	95.01
<i>NOTCH3</i>	NM_000435.3	86.00	97.81	93.95	90.31	79.07
<i>NOVA2</i>	NM_002516.4	68.00	90.00	82.65	74.68	61.55
<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>NPHP1</i>	NM_001128178.2	107.00	99.36	97.51	96.93	95.76
<i>NPHP3</i>	NM_153240.5	103.00	100.00	99.98	99.66	97.00
<i>NPHP4</i>	NM_015102.5	93.00	99.93	99.11	95.71	87.47
<i>NPHS1</i>	NM_004646.3	85.00	100.00	99.79	98.28	94.11
<i>NPHS2</i>	NM_014625.4	89.00	100.00	99.50	96.58	83.73
<i>NPM1</i>	NM_002520.6	141.00	94.61	93.42	93.23	90.43
<i>NPR2</i>	NM_003995.3	129.00	100.00	99.99	99.89	98.88
<i>NPR3</i>	NM_001204375.2	119.00	100.00	99.61	98.49	97.80
<i>NR1I3</i>	NM_005122.5	103.00	100.00	100.00	100.00	99.91
<i>NR2F1</i>	NM_005654.6	130.00	98.51	94.10	89.79	85.16
<i>NR2F2</i>	NM_021005.4	154.00	100.00	98.97	96.03	93.28
<i>NR4A2</i>	NM_006186.4	104.00	100.00	100.00	99.85	99.01
<i>NR5A1</i>	NM_004959.5	87.00	100.00	99.97	99.65	96.48
<i>NRAS</i>	NM_002524.5	132.00	100.00	100.00	100.00	99.96
<i>NRROS</i>	NM_198565.3	164.00	99.99	98.99	96.42	92.10
<i>NRXN1</i>	NM_001330078.2	160.00	100.00	100.00	99.99	99.73
<i>NRXN2</i>	NM_015080.4	87.00	99.27	96.36	92.01	82.65
<i>NRXN3</i>	NM_001330195.2	142.00	100.00	99.99	99.86	98.97
<i>NSD1</i>	NM_022455.4	160.00	100.00	99.96	99.55	98.36
<i>NSD2</i>	NM_001042424.3	125.00	99.30	97.77	95.85	90.05
<i>NSDHL</i>	NM_015922.3	79.00	100.00	99.91	97.77	84.84
<i>NSMCE3</i>	NM_138704.4	126.00	100.00	99.96	99.80	98.47
<i>NSRP1</i>	NM_032141	61.00	94.30	87.53	82.19	64.96
<i>NSUN2</i>	NM_017755.6	112.00	99.65	97.34	94.44	89.89
<i>NT5C3A</i>	NM_001002010.4	116.00	100.00	100.00	99.70	96.60
<i>NTNG2</i>	NM_032536.4	127.00	99.75	98.64	97.13	93.95
<i>NTRK1</i>	NM_002529.3	93.00	99.95	98.49	93.53	79.82
<i>NTRK2</i>	NM_006180.4	112.00	100.00	99.61	98.41	97.71
<i>NUBPL</i>	NM_025152.3	109.00	100.00	99.87	98.35	90.35
<i>NUDT2</i>	NM_001161.5	96.00	100.00	100.00	99.97	99.73
<i>NUP107</i>	NM_020401.4	97.00	100.00	100.00	99.87	96.80
<i>NUP133</i>	NM_018230.3	101.00	100.00	100.00	99.77	97.08
<i>NUP214</i>	NM_005085.4	122.00	99.98	99.52	97.93	93.65
<i>NUP62</i>	NM_016553.5	123.00	100.00	99.66	96.68	84.49

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>NUS1</i>	NM_138459.5	74.00	100.00	99.85	97.35	88.63
<i>NYX</i>	NM_022567.2	65.00	99.85	96.42	88.76	69.91
<i>OBSL1</i>	NM_015311.3	110.00	100.00	99.90	99.05	96.93
<i>OCLN</i>	NM_001205254.2	128.00	88.31	85.18	82.36	76.73
<i>OCRL</i>	NM_000276.4	97.00	98.65	98.55	98.40	97.11
<i>ODAD1</i>	NM_001364171.2	115.00	97.00	97.00	97.00	96.00
<i>ODAD2</i>	NM_018076.5	315.00	100.00	100.00	100.00	100.00
<i>ODAD3</i>	NM_145045.5	130.00	100.00	100.00	100.00	100.00
<i>ODAD4</i>	NM_031421.5	73.00	99.98	99.64	96.57	76.17
<i>ODAPH</i>	NM_178497.4	157.00	100.00	100.00	100.00	99.83
<i>ODC1</i>	NM_002539.3	125.00	100.00	99.98	99.90	98.94
<i>OFD1</i>	NM_003611.3	84.00	99.93	99.17	97.10	87.97
<i>OGDH</i>	NM_002541	104.00	100.00	100.00	100.00	99.56
<i>OGDHL</i>	NM_018245	89.00	100.00	99.93	99.46	96.98
<i>OGT</i>	NM_181672.3	103.00	100.00	99.89	99.52	97.86
<i>ONECUT1</i>	NM_004498	72.00	100.00	99.48	94.71	80.24
<i>OPHN1</i>	NM_002547.3	82.00	100.00	99.75	98.42	88.90
<i>ORC1</i>	NM_004153.4	99.00	100.00	99.99	99.75	97.50
<i>ORC4</i>	NM_181741.4	96.00	100.00	100.00	99.96	95.82
<i>ORC6</i>	NM_014321.4	90.00	100.00	100.00	99.62	92.27
<i>OSGEP</i>	NM_017807.4	109.00	100.00	100.00	100.00	100.00
<i>OTC</i>	NM_000531.6	86.00	100.00	100.00	99.14	93.68
<i>OTOGL</i>	NM_173591.3	115.00	100.00	99.78	99.22	97.79
<i>OTUD6B</i>	NM_016023.5	98.00	100.00	98.65	92.28	82.95
<i>OTUD7A</i>	NM_130901.3	82.00	93.50	89.64	86.40	82.70
<i>OTULIN</i>	NM_138348.6	99.00	87.71	85.65	85.41	84.59
<i>OTX2</i>	NM_172337.3	143.00	100.00	100.00	100.00	100.00
<i>OXCT1</i>	NM_000436.4	114.00	100.00	100.00	99.97	97.85
<i>OXR1</i>	NM_001198533.1	118.00	100.00	99.95	99.62	99.00
<i>P3H1</i>	NM_022356.4	103.00	100.00	100.00	100.00	99.98
<i>P4HB</i>	NM_000918.4	82.00	99.97	99.03	95.31	82.53
<i>P4HTM</i>	NM_177939.3	108.00	98.20	92.04	82.64	69.63
<i>PACS1</i>	NM_018026.4	90.00	98.63	95.32	91.95	86.70
<i>PACS2</i>	NM_015197.4	72.00	99.28	97.18	93.12	81.53
<i>PAFAH1B1</i>	NM_000430.4	120.00	100.00	99.77	97.12	94.04
<i>PAH</i>	NM_000277.3	118.00	100.00	100.00	99.96	98.86
<i>PAK1</i>	NM_002576.4	104.00	100.00	100.00	99.87	97.37
<i>PAK3</i>	NM_002578.5	74.00	100.00	99.80	97.05	84.72
<i>PALB2</i>	NM_024675.4	239.00	100.00	100.00	99.94	99.29
<i>PAPSS2</i>	NM_001015880.2	95.00	100.00	99.85	99.21	92.37
<i>PARN</i>	NM_002582.4	101.00	100.00	100.00	99.92	97.88
<i>PARP1</i>	NM_001618.4	110.00	100.00	99.98	99.71	97.84
<i>PAX1</i>	NM_006192	74.00	99.32	92.11	81.69	73.65
<i>PAX2</i>	NM_000278.5	94.00	100.00	100.00	98.56	87.15
<i>PAX3</i>	NM_181459.4	98.00	99.88	98.57	95.64	85.50
<i>PAX6</i>	NM_000280.4	140.00	100.00	100.00	100.00	99.98
<i>PAX8</i>	NM_003466.4	62.00	99.97	97.78	90.67	69.96

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>PAX9</i>	NM_001372076.1	216.00	99.72	99.31	97.75	90.95
<i>PBX1</i>	NM_002585.4	102.00	99.95	95.77	87.66	78.18
<i>PC</i>	NM_001040716.2	98.00	100.00	99.94	99.34	95.84
<i>PCARE</i>	NM_001029883.3	525.00	99.99	99.82	99.35	96.59
<i>PCBD1</i>	NM_000281.4	88.00	99.91	99.28	98.77	98.75
<i>PCBP2</i>	NM_031989.5	95.00	100.00	100.00	100.00	99.77
<i>PCCA</i>	NM_000282.4	94.00	99.72	97.20	95.36	93.42
<i>PCCB</i>	NM_000532.5	112.00	100.00	99.78	98.22	94.26
<i>PCDH12</i>	NM_016580.3	195.00	100.00	99.97	98.88	94.44
<i>PCDH19</i>	NM_001184880.2	138.00	100.00	99.92	99.32	94.38
<i>PCDHGC4</i>	NM_018928	234.00	100.00	99.97	99.66	98.95
<i>PCGF2</i>	NM_007144.3	62.00	98.90	93.12	88.02	68.61
<i>PCNT</i>	NM_006031.6	110.00	100.00	99.80	97.99	92.41
<i>PCYT1A</i>	NM_001312673.2	111.00	100.00	99.99	99.48	88.94
<i>PCYT2</i>	NM_002861.5	81.00	98.29	94.04	91.83	85.76
<i>PDCD10</i>	NM_007217.4	106.00	100.00	100.00	100.00	95.94
<i>PDE10A</i>	NM_006661.4	103.00	100.00	99.76	98.75	95.28
<i>PDE4D</i>	NM_001104631.2	97.00	94.07	88.92	86.40	82.09
<i>PDE6G</i>	NM_002602.4	86.00	100.00	99.45	91.69	72.57
<i>PDE6H</i>	NM_006205.3	52.00	100.00	99.24	87.39	51.75
<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>PDHX</i>	NM_003477.3	91.00	99.90	98.75	94.05	87.46
<i>PDIA6</i>	NM_001282704	108.00	100.00	99.99	99.38	92.76
<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>PECR</i>	NM_018441.6	104.00	100.00	100.00	100.00	99.37
<i>PEPD</i>	NM_000285.4	85.00	99.91	98.95	96.23	89.16
<i>PET100</i>	NM_001171155.2	100.00	100.00	100.00	99.99	94.52
<i>PEX1</i>	NM_000466.3	121.00	100.00	99.85	98.96	95.38
<i>PEX10</i>	NM_002617.3	70.00	100.00	99.77	95.52	81.56
<i>PEX11B</i>	NM_003846.3	91.00	100.00	99.83	97.58	89.93
<i>PEX12</i>	NM_000286.3	145.00	100.00	100.00	100.00	99.87
<i>PEX13</i>	NM_002618.4	250.00	100.00	99.88	98.83	93.79
<i>PEX14</i>	NM_004565.3	76.00	100.00	98.02	91.42	74.27
<i>PEX16</i>	NM_004813.3	61.00	99.43	95.07	81.69	61.89
<i>PEX19</i>	NM_002857.3	150.00	100.00	96.32	90.91	87.78
<i>PEX2</i>	NM_000318.3	257.00	100.00	100.00	100.00	100.00
<i>PEX26</i>	NM_001127649.3	82.00	100.00	100.00	98.84	94.15
<i>PEX3</i>	NM_003630.3	107.00	100.00	100.00	99.97	99.14
<i>PEX5</i>	NM_001351132.1	85.00	99.81	99.58	98.72	92.95
<i>PEX6</i>	NM_000287.4	97.00	99.98	98.93	94.72	88.44
<i>PEX7</i>	NM_000288.4	119.00	99.89	98.95	95.52	87.31
<i>PGAP1</i>	NM_024989.4	90.00	99.98	98.81	96.17	86.72
<i>PGAP2</i>	NM_014489.4	103.00	100.00	100.00	99.89	99.13
<i>PGAP3</i>	NM_033419.5	83.00	100.00	100.00	99.61	94.24
<i>PGK1</i>	NM_000291.4	95.00	100.00	99.65	97.73	90.81

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>PGM1</i>	NM_002633.3	95.00	100.00	99.66	97.87	92.01
<i>PGM2L1</i>	NM_173582	104.00	99.96	99.51	97.35	87.82
<i>PGM3</i>	NM_015599.3	116.00	100.00	100.00	100.00	99.19
<i>PHACTR1</i>	NM_001322314.2	81.00	99.86	98.48	95.23	84.79
<i>PHC1</i>	NM_004426.3	97.00	99.96	97.44	91.20	84.58
<i>PHF21A</i>	NM_001352027.2	92.00	99.97	99.43	95.40	84.70
<i>PHF6</i>	NM_001015877.2	59.00	99.99	98.08	89.74	63.33
<i>PHF8</i>	NM_015107.3	76.00	99.86	98.38	95.57	85.23
<i>PHGDH</i>	NM_006623.4	90.00	100.00	99.81	98.35	90.44
<i>PHIP</i>	NM_017934.7	120.00	99.39	98.57	96.37	92.38
<i>PHOX2B</i>	NM_003924.4	45.00	87.36	76.94	64.81	48.24
<i>PI4KA</i>	NM_058004	91.00	99.53	96.37	93.52	87.53
<i>PIBF1</i>	NM_006346.4	72.00	100.00	99.96	98.47	83.13
<i>PIDD1</i>	NM_145886.4	88.00	100.00	99.17	95.86	89.52
<i>PIEZO1</i>	NM_001142864.4	89.00	99.90	98.50	93.66	80.76
<i>PIEZO2</i>	NM_022068.3	103.00	99.98	99.67	98.45	95.13
<i>PIGA</i>	NM_002641.3	122.00	100.00	99.97	99.85	98.40
<i>PIGB</i>	NM_004855.5	103.00	100.00	99.70	98.06	96.06
<i>PIGG</i>	NM_001127178.3	112.00	100.00	99.91	99.00	97.52
<i>PIGH</i>	NM_004569.5	85.00	100.00	99.24	94.35	85.78
<i>PIGK</i>	NM_005482.3	107.00	100.00	100.00	100.00	99.95
<i>PIGL</i>	NM_004278.4	100.00	100.00	100.00	100.00	99.99
<i>PIGM</i>	NM_145167.3	145.00	100.00	100.00	100.00	99.78
<i>PIGN</i>	NM_176787.5	94.00	100.00	99.66	96.62	82.76
<i>PIGO</i>	NM_032634.4	127.00	99.90	98.40	95.92	92.74
<i>PIGQ</i>	NM_004204.4	74.00	100.00	99.47	96.70	84.21
<i>PIGS</i>	NM_033198.4	84.00	100.00	99.16	96.29	88.37
<i>PIGT</i>	NM_015937.6	107.00	99.97	99.61	97.62	89.25
<i>PIGU</i>	NM_080476.4	75.00	100.00	99.42	95.87	82.82
<i>PIGV</i>	NM_017837.3	217.00	100.00	100.00	100.00	100.00
<i>PIGW</i>	NM_001346754.2	338.00	100.00	100.00	100.00	100.00
<i>PIGY</i>	NM_001042616.2	162.50	100.00	100.00	100.00	100.00
<i>PIK3CA</i>	NM_006218.4	135.00	100.00	100.00	99.97	99.87
<i>PIK3R1</i>	NM_181523.3	112.00	100.00	100.00	99.95	99.05
<i>PIK3R2</i>	NM_005027.4	88.00	91.55	89.18	86.84	83.53
<i>PIP5K1C</i>	NM_012398.3	77.00	99.14	92.96	85.58	75.89
<i>PITX1</i>	NM_002653.5	107.00	98.87	91.33	81.39	75.25
<i>PITX2</i>	NM_000325.6	107.00	99.81	96.63	91.73	85.63
<i>PITX3</i>	NM_005029.4	70.00	100.00	99.50	94.09	75.96
<i>PKD1L1</i>	NM_138295.4	99.00	99.98	99.60	97.84	91.53
<i>PKHD1</i>	NM_138694.4	128.00	100.00	99.94	99.52	98.52
<i>PLA2G6</i>	NM_003560.4	102.00	100.00	99.64	97.30	88.22
<i>PLAA</i>	NM_001031689.3	118.00	100.00	100.00	99.97	98.79
<i>PLCB1</i>	NM_015192.4	105.00	100.00	99.97	99.45	95.36
<i>PLCB4</i>	NM_000933.3	99.00	100.00	100.00	99.96	98.87
<i>PLCE1</i>	NM_016341.4	131.00	100.00	100.00	99.86	99.21
<i>PLCG2</i>	NM_002661.5	97.00	100.00	99.85	98.80	94.30

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>PLEC</i>	NM_201380.4	110.00	99.98	99.61	98.00	92.75
<i>PLK4</i>	NM_014264.5	156.00	100.00	100.00	99.97	99.45
<i>PLOD1</i>	NM_000302.4	80.00	99.99	99.49	96.38	78.90
<i>PLOD2</i>	NM_182943.3	115.00	97.87	94.97	89.97	86.85
<i>PLOD3</i>	NM_001084.5	77.00	99.72	95.06	86.93	70.55
<i>PLP1</i>	NM_000533.5	82.00	99.95	98.70	94.82	88.85
<i>PLPBP</i>	NM_007198.4	102.00	98.97	90.95	88.71	88.04
<i>PLXNA1</i>	NM_032242	106.00	99.99	99.84	98.79	96.33
<i>PLXND1</i>	NM_015103.2	76.00	98.94	97.48	93.57	82.30
<i>PMM2</i>	NM_000303.3	100.00	100.00	100.00	100.00	99.71
<i>PMPCB</i>	NM_004279.3	118.00	100.00	100.00	99.96	99.48
<i>PMS2</i>	NM_000535.7	113.00	99.80	99.43	98.58	95.20
<i>PNKP</i>	NM_007254.4	97.00	100.00	99.45	97.30	92.97
<i>PNPLA1</i>	NM_001145717.1	117.00	100.00	99.72	98.95	95.33
<i>PNPLA2</i>	NM_020376.4	81.00	99.98	98.19	89.34	76.52
<i>PNPLA6</i>	NM_001166114.2	91.00	99.89	98.37	93.76	85.40
<i>PNPO</i>	NM_018129	70.00	100.00	100.00	99.89	93.58
<i>PNPT1</i>	NM_033109.5	108.00	99.01	95.12	90.90	85.61
<i>POC1A</i>	NM_015426.5	101.00	100.00	100.00	99.63	98.58
<i>POC1B</i>	NM_172240.3	108.00	99.97	99.21	96.43	92.94
<i>POGZ</i>	NM_015100.4	166.00	100.00	99.79	98.54	95.95
<i>POLA1</i>	NM_001330360.2	82.00	99.98	99.35	97.09	86.46
<i>POLD1</i>	NM_002691.4	81.00	100.00	99.29	95.60	83.73
<i>POLG</i>	NM_002693.2	89.00	99.99	99.34	96.73	90.04
<i>POLR1A</i>	NM_015425.6	100.00	100.00	99.90	99.24	95.29
<i>POLR1C</i>	NM_203290.4	103.00	100.00	99.75	97.27	92.79
<i>POLR1D</i>	NM_152705.3	85.00	100.00	99.97	97.85	85.99
<i>POLR2A</i>	NM_000937.5	130.00	100.00	99.97	99.64	98.61
<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>POLR3GL</i>	NM_032305.3	91.00	99.92	97.52	92.07	77.50
<i>POMGNT1</i>	NM_017739.3	97.00	100.00	100.00	99.96	99.66
<i>POMGNT2</i>	NM_032806.6	170.00	100.00	100.00	100.00	99.97
<i>POMK</i>	NM_032237.5	225.00	100.00	100.00	100.00	100.00
<i>POMP</i>	NM_015932.6	131.00	99.55	92.83	84.89	84.72
<i>POMT1</i>	NM_001077365.2	90.00	100.00	99.59	98.18	91.78
<i>POMT2</i>	NM_013382.5	89.00	100.00	99.99	99.79	96.46
<i>PORCN</i>	NM_203475.3	71.00	98.96	93.83	86.35	75.52
<i>POT1</i>	NM_015450.3	114.00	100.00	100.00	99.83	96.62
<i>POU1F1</i>	NM_000306.4	98.00	99.88	96.87	93.62	92.02
<i>POU3F3</i>	NM_006236.3	31.00	69.09	58.78	50.71	43.99
<i>POU4F1</i>	NM_006237	82.00	75.67	71.36	68.10	62.51
<i>PPA2</i>	NM_176869.3	81.00	99.91	97.40	91.37	76.85
<i>PPIL1</i>	NM_016059.5	116.00	100.00	100.00	100.00	100.00
<i>PPM1D</i>	NM_003620.4	130.00	100.00	100.00	100.00	99.94
<i>PPP1CB</i>	NM_002709.3	114.00	100.00	100.00	99.29	95.33
<i>PPP1R12A</i>	NM_002480.3	105.00	100.00	99.53	97.77	92.91

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>PPP1R13L</i>	NM_006663.4	67.00	98.91	89.70	76.24	61.85
<i>PPP1R15B</i>	NM_032833.4	175.00	100.00	100.00	100.00	100.00
<i>PPP1R21</i>	NM_001135629.3	99.00	100.00	100.00	99.91	98.45
<i>PPP2CA</i>	NM_002715.4	104.00	100.00	100.00	100.00	99.96
<i>PPP2R1A</i>	NM_014225.6	95.00	99.99	99.28	96.89	94.65
<i>PPP2R5D</i>	NM_006245.4	117.00	100.00	100.00	99.80	97.60
<i>PPP3CA</i>	NM_000944.5	93.00	100.00	99.99	99.80	99.22
<i>PPT1</i>	NM_000310.3	121.00	100.00	100.00	99.51	97.16
<i>PQBP1</i>	NM_001032382.1	78.00	100.00	99.44	94.11	79.46
<i>PRDM12</i>	NM_021619.3	94.00	90.41	88.62	86.81	78.24
<i>PRDM15</i>	NM_001040424.2	98.00	99.34	94.79	92.54	90.02
<i>PRDM6</i>	NM_001136239.4	96.00	99.79	93.49	80.75	62.81
<i>PREPL</i>	NM_001171613.1	111.00	100.00	100.00	100.00	99.89
<i>PRIM1</i>	NM_000946.3	110.00	100.00	99.99	99.83	98.60
<i>PRKACA</i>	NM_002730.4	92.00	96.82	95.65	95.59	92.58
<i>PRKACB</i>	NM_182948.4	90.00	98.95	96.07	94.77	94.04
<i>PRKAR1A</i>	NM_002734.4	104.00	100.00	100.00	100.00	99.99
<i>PRKAR1B</i>	NM_001164760.2	77.00	100.00	99.64	97.53	90.62
<i>PRKD1</i>	NM_002742.3	117.00	99.62	98.26	97.14	94.31
<i>PRKG2</i>	NM_006259	107.00	100.00	99.84	98.38	92.51
<i>PRMT7</i>	NM_019023.4	92.00	100.00	99.96	99.49	92.30
<i>PRMT9</i>	NM_138364.4	137.00	100.00	99.95	99.65	98.64
<i>PROP1</i>	NM_006261.4	56.00	99.96	98.40	90.69	61.22
<i>PRORP</i>	NM_001256681	101.00	100.00	99.63	97.30	91.50
<i>PRPF8</i>	NM_006445.4	132.00	100.00	99.99	99.88	99.37
<i>PRPS1</i>	NM_002764.4	85.00	100.00	99.99	98.93	94.44
<i>PRR12</i>	NM_020719.3	73.00	99.73	96.67	90.71	76.52
<i>PRRT2</i>	NM_145239.3	79.00	99.88	98.82	97.85	91.63
<i>PRRX1</i>	NM_022716.4	75.00	99.02	93.35	83.91	67.62
<i>PRSS12</i>	NM_003619.4	120.00	100.00	99.96	98.82	95.76
<i>PRSS56</i>	NM_001195129.2	61.00	99.80	96.64	87.42	67.72
<i>PRUNE1</i>	NM_021222.3	121.00	99.97	99.24	96.86	90.24
<i>PSAP</i>	NM_002778.4	78.00	100.00	99.99	99.50	93.83
<i>PSAT1</i>	NM_058179.4	131.00	100.00	99.92	99.15	94.96
<i>PSMB8</i>	NM_148919.4	112.00	100.00	100.00	100.00	99.96
<i>PSMC5</i>	NM_002805.6	104.00	100.00	100.00	100.00	98.89
<i>PSMD12</i>	NM_002816.5	117.00	100.00	100.00	100.00	100.00
<i>PSPH</i>	NM_004577.4	107.00	99.95	98.47	94.50	82.09
<i>PTCH1</i>	NM_000264.5	106.00	99.97	99.63	98.62	94.23
<i>PTCHD1</i>	NM_173495.3	140.00	100.00	99.79	98.97	97.61
<i>PTDSS1</i>	NM_014754.3	112.00	100.00	100.00	99.97	99.07
<i>PTEN</i>	NM_000314.8	152.00	100.00	100.00	100.00	99.55
<i>PTF1A</i>	NM_178161.3	46.00	92.32	76.46	60.73	49.16
<i>PTH</i>	NM_000315.4	169.00	100.00	100.00	100.00	99.96
<i>PTH1R</i>	NM_000316.3	96.00	100.00	99.92	98.59	89.98
<i>PTHLH</i>	NM_198965.2	183.00	100.00	100.00	100.00	100.00
<i>PTPN11</i>	NM_002834.4	137.00	99.19	99.17	99.17	99.17

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>PTPN14</i>	NM_005401.5	125.00	100.00	99.99	99.78	97.61
<i>PTPRF</i>	NM_002840.5	109.00	99.98	99.18	97.09	93.97
<i>PTRH2</i>	NM_016077.4	260.50	100.00	100.00	100.00	100.00
<i>PTS</i>	NM_000317.3	127.00	100.00	100.00	100.00	100.00
<i>PUF60</i>	NM_078480.3	122.00	99.97	99.11	95.78	87.76
<i>PURA</i>	NM_005859.5	223.00	95.72	90.89	88.75	87.58
<i>PUS1</i>	NM_025215.6	98.00	100.00	99.76	97.98	93.40
<i>PUS3</i>	NM_031307	238.00	100.00	100.00	100.00	100.00
<i>PUS7</i>	NM_019042.5	136.00	100.00	100.00	100.00	100.00
<i>PXDN</i>	NM_012293.3	114.00	99.99	99.52	98.62	93.78
<i>PYCR1</i>	NM_006907.4	84.00	100.00	99.95	97.50	79.64
<i>PYCR2</i>	NM_013328.4	70.00	99.94	98.33	91.16	69.46
<i>PYGL</i>	NM_002863.5	108.00	100.00	99.77	98.06	95.06
<i>PYROXD1</i>	NM_024854.5	104.00	99.35	95.15	87.72	77.26
<i>QARS1</i>	NM_005051.3	122.00	100.00	100.00	99.87	98.89
<i>QDPR</i>	NM_000320.3	82.00	100.00	99.78	97.97	90.09
<i>QKI</i>	NM_006775.3	84.00	100.00	99.95	97.38	86.54
<i>QRICH1</i>	NM_198880.3	138.00	100.00	100.00	99.92	99.28
<i>RAB11A</i>	NM_004663.5	113.00	100.00	100.00	100.00	99.89
<i>RAB11B</i>	NM_004218.4	86.00	100.00	99.90	98.53	97.59
<i>RAB14</i>	NM_016322.4	111.00	100.00	100.00	100.00	100.00
<i>RAB18</i>	NM_021252.5	97.00	95.70	89.28	86.64	78.82
<i>RAB23</i>	NM_016277.5	106.00	100.00	100.00	100.00	99.99
<i>RAB39B</i>	NM_171998.4	127.00	100.00	100.00	99.98	99.63
<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>RABL6</i>	NM_024718.5	79.00	99.86	96.72	88.42	72.36
<i>RAC1</i>	NM_006908.5	139.00	93.85	93.85	93.76	93.14
<i>RAC3</i>	NM_005052.3	67.00	95.86	93.63	91.44	83.85
<i>RAD21</i>	NM_006265.3	100.00	100.00	100.00	99.92	98.46
<i>RAD50</i>	NM_005732.4	87.00	100.00	99.39	96.71	86.93
<i>RAD51</i>	NM_002875.5	98.00	100.00	100.00	100.00	100.00
<i>RAD51C</i>	NM_058216.3	116.00	100.00	100.00	99.92	98.06
<i>RAF1</i>	NM_001354689.3	109.00	100.00	99.97	99.24	95.23
<i>RAI1</i>	NM_030665.4	183.00	100.00	99.98	99.36	97.99
<i>RALA</i>	NM_005402.4	83.00	99.94	96.81	86.34	74.22
<i>RALGAPA1</i>	NM_001346248.2	113.00	99.33	96.95	94.08	89.32
<i>RALGDS</i>	NM_006266.4	75.00	99.60	98.47	95.95	83.56
<i>RANBP2</i>	NM_006267.5	251.00	99.83	99.18	98.40	96.39
<i>RAP1B</i>	NM_001010942.3	109.00	100.00	99.75	98.95	89.16
<i>RAPSN</i>	NM_005055.5	122.00	100.00	100.00	99.69	94.80
<i>RARB</i>	NM_000965.4	106.00	100.00	100.00	99.92	99.24
<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>RASA1</i>	NM_002890.3	92.00	98.51	94.71	90.94	83.89
<i>RAX</i>	NM_013435.3	73.00	98.90	91.08	84.11	76.76
<i>RBBP8</i>	NM_002894	102.00	100.00	99.92	99.65	98.10

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>RBFOX1</i>	NM_018723.4	117.00	100.00	100.00	100.00	99.99
<i>RBM10</i>	NM_005676.5	65.00	99.88	97.62	89.99	71.32
<i>RBM28</i>	NM_018077.3	106.00	100.00	99.98	99.93	99.83
<i>RBM8A</i>	NM_005105.4	102.00	100.00	100.00	99.84	99.08
<i>RBPJ</i>	NM_015874.4	132.00	99.98	99.21	97.95	96.61
<i>RECQL4</i>	NM_004260.3	101.00	99.95	99.39	97.29	94.31
<i>RELN</i>	NM_005045.4	108.00	100.00	100.00	99.66	98.07
<i>RERE</i>	NM_001042681.2	75.00	97.46	93.01	83.72	69.37
<i>RET</i>	NM_020975.6	90.00	99.98	98.87	95.99	92.86
<i>RETREG1</i>	NM_001034850.2	108.00	99.83	97.78	95.11	92.85
<i>RFT1</i>	NM_052859.4	88.00	99.91	99.45	97.51	88.32
<i>RFX6</i>	NM_173560.4	127.00	100.00	100.00	99.88	99.33
<i>RGS7</i>	NM_001282775.2	102.00	100.00	99.71	98.31	96.30
<i>RHOBTB2</i>	NM_015178.2	114.00	100.00	100.00	99.78	99.37
<i>RIMS2</i>	NM_001348484.2	110.00	100.00	99.79	98.75	95.40
<i>RIN2</i>	NM_018993.3	114.00	100.00	100.00	99.68	97.90
<i>RINT1</i>	NM_021930.6	123.00	100.00	100.00	99.63	98.13
<i>RIPK4</i>	NM_020639.3	140.00	100.00	99.85	98.74	94.11
<i>RIT1</i>	NM_006912.6	208.00	100.00	100.00	100.00	100.00
<i>RLIM</i>	NM_016120.4	107.00	100.00	100.00	99.90	97.12
<i>RMI1</i>	NM_001358291.2	243.00	100.00	100.00	100.00	100.00
<i>RMND1</i>	NM_017909.4	126.00	100.00	100.00	99.83	97.42
<i>RMRP</i>	NR_003051	0.00	0.00	0.00	0.00	0.00
<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
<i>RNASEH2C</i>	NM_032193.4	100.00	100.00	100.00	99.96	98.63
<i>RNASET2</i>	NM_003730.6	77.00	100.00	99.73	97.22	90.77
<i>RNF113A</i>	NM_006978.3	120.00	100.00	100.00	99.93	98.76
<i>RNF125</i>	NM_017831	106.00	100.00	100.00	99.85	95.44
<i>RNF13</i>	NM_183381.2	107.00	100.00	100.00	100.00	98.01
<i>RNF135</i>	NM_032322.4	84.00	99.56	94.59	86.64	72.31
<i>RNF168</i>	NM_152617.4	299.00	100.00	100.00	100.00	100.00
<i>RNPC3</i>	NM_017619	94.00	99.84	97.79	94.51	89.43
<i>RNU12</i>	NR_029422	0.00	0.00	0.00	0.00	0.00
<i>RNU4ATAC</i>	NR_023343	0.00	0.00	0.00	0.00	0.00
<i>ROBO3</i>	NM_022370.4	83.00	99.99	99.15	95.14	82.16
<i>ROBO4</i>	NM_019055.6	67.00	100.00	99.71	97.88	86.62
<i>ROGDI</i>	NM_024589.2	68.00	97.47	93.94	86.82	70.97
<i>ROR2</i>	NM_004560.4	105.00	100.00	99.84	98.47	94.86
<i>RORA</i>	NM_134261.3	126.00	97.04	90.60	89.45	89.45
<i>RPE65</i>	NM_000329.3	136.00	100.00	100.00	100.00	100.00
<i>RPGRIP1</i>	NM_020366.3	102.00	100.00	99.97	99.84	98.27
<i>RPGRIP1L</i>	NM_015272.5	124.00	99.53	98.06	96.53	92.73
<i>RPL10</i>	NM_001303624.2	129.00	100.00	100.00	100.00	99.77
<i>RPL11</i>	NM_000975.5	103.00	100.00	100.00	100.00	96.50
<i>RPL13</i>	NM_033251.2	75.00	100.00	99.26	95.84	89.24
<i>RPL26</i>	NM_000987.5	113.00	100.00	100.00	100.00	100.00

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>RPS19</i>	NM_001022.4	84.00	100.00	100.00	99.57	97.74
<i>RPS23</i>	NM_001025.5	131.00	100.00	100.00	100.00	99.95
<i>RPS26</i>	NM_001029.5	98.00	100.00	100.00	100.00	99.93
<i>RPS6KA3</i>	NM_004586.3	74.00	99.93	99.12	97.95	90.00
<i>RRAS</i>	NM_006270.5	81.00	99.92	97.91	90.66	82.00
<i>RRAS2</i>	NM_012250.6	101.00	100.00	99.94	99.00	90.86
<i>RRM2B</i>	NM_015713.5	118.00	100.00	100.00	100.00	100.00
<i>RSPH1</i>	NM_080860.4	105.00	100.00	99.99	98.74	92.90
<i>RSPH3</i>	NM_031924.6	116.00	100.00	99.63	98.22	95.82
<i>RSPO2</i>	NM_178565.5	122.00	100.00	100.00	100.00	99.19
<i>RSPO4</i>	NM_001029871.4	66.00	99.51	94.92	86.81	64.30
<i>RSPRY1</i>	NM_133368.3	114.00	100.00	100.00	100.00	99.89
<i>RSRC1</i>	NM_001271838.2	73.00	99.43	95.57	88.97	70.94
<i>RTKL1</i>	NM_001283009.2	90.00	100.00	99.89	98.36	86.89
<i>RTN4IP1</i>	NM_032730.5	135.00	100.00	100.00	100.00	100.00
<i>RTTN</i>	NM_173630.4	96.00	100.00	100.00	99.91	97.32
<i>RUBCN</i>	NM_014687.4	83.00	100.00	99.74	97.75	91.05
<i>RUNX2</i>	NM_001024630.4	112.00	100.00	100.00	100.00	99.92
<i>RXYLT1</i>	NM_014254.3	113.00	100.00	99.65	97.16	90.13
<i>RYR1</i>	NM_000540.3	92.00	98.83	97.88	95.27	87.63
<i>RYR2</i>	NM_001035	126.00	100.00	99.82	98.84	96.37
<i>RYR3</i>	NM_001036.5	106.00	99.92	99.53	98.89	96.14
<i>SACS</i>	NM_014363.6	290.00	100.00	100.00	100.00	100.00
<i>SALL1</i>	NM_002968.3	159.00	100.00	99.99	99.52	98.13
<i>SALL4</i>	NM_020436.5	136.00	99.85	97.97	96.28	95.83
<i>SAMD9</i>	NM_017654.4	305.00	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>SARS1</i>	NM_001330669	75.00	100.00	99.43	96.71	89.40
<i>SARS2</i>	NM_017827.4	76.00	100.00	99.79	97.50	79.14
<i>SATB1</i>	NM_002971.6	116.00	100.00	100.00	99.75	97.83
<i>SATB2</i>	NM_001172509.2	115.00	99.92	99.17	97.24	92.13
<i>SBDS</i>	NM_016038.4	131.00	100.00	100.00	100.00	100.00
<i>SC5D</i>	NM_006918.5	201.00	100.00	100.00	100.00	100.00
<i>SCAF4</i>	NM_020706.2	112.00	99.72	97.39	95.04	92.18
<i>SCAPER</i>	NM_020843.4	112.00	100.00	99.99	99.69	97.52
<i>SCARF2</i>	NM_182895.5	75.00	95.42	83.91	68.69	59.15
<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>SCN1B</i>	NM_001037.5	89.00	94.46	93.76	93.34	92.22
<i>SCN2A</i>	NM_001040142.2	141.00	100.00	99.98	99.85	98.95
<i>SCN3A</i>	NM_006922.4	152.00	100.00	100.00	100.00	99.93
<i>SCN4A</i>	NM_000334.4	118.00	99.99	99.72	98.64	96.40
<i>SCN8A</i>	NM_001330260.2	132.00	100.00	99.96	99.71	98.82
<i>SCO1</i>	NM_004589.4	133.00	100.00	100.00	100.00	100.00
<i>SCO2</i>	NM_005138.2	143.00	100.00	100.00	100.00	99.99
<i>SCRIB</i>	NM_182706.5	74.00	99.94	97.89	90.13	75.14

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>SCUBE3</i>	NM_152753.4	92.00	99.98	99.27	97.67	96.30
<i>SCYL1</i>	NM_020680.4	77.00	100.00	99.49	96.19	82.99
<i>SDCCAG8</i>	NM_006642.5	77.00	100.00	99.75	97.69	88.48
<i>SDHA</i>	NM_004168.4	96.00	99.00	97.00	96.41	94.74
<i>SDHAF1</i>	NM_001042631.2	58.00	100.00	99.81	97.93	76.76
<i>SEC23A</i>	NM_006364.4	107.00	100.00	99.90	98.90	95.49
<i>SEC23B</i>	NM_006363.6	114.00	100.00	99.88	98.62	95.62
<i>SEC24D</i>	NM_014822.4	95.00	100.00	99.94	98.68	93.07
<i>SEC61A1</i>	NM_013336.4	106.00	100.00	100.00	99.95	99.58
<i>SECISBP2</i>	NM_024077.5	100.00	99.65	98.41	97.11	93.20
<i>SELENOI</i>	NM_033505.4	138.00	100.00	100.00	99.91	98.90
<i>SELENON</i>	NM_020451.3	71.00	89.70	89.21	84.74	67.28
<i>SEMA3A</i>	NM_006080.3	128.00	100.00	99.99	99.78	98.14
<i>SEPSECS</i>	NM_016955.4	121.00	100.00	100.00	100.00	99.84
<i>SERAC1</i>	NM_032861	118.00	100.00	100.00	100.00	99.79
<i>SET</i>	NM_003011.4	206.00	99.12	94.91	92.27	91.21
<i>SETBP1</i>	NM_015559.3	149.00	99.37	98.06	96.13	92.51
<i>SETD1A</i>	NM_014712.3	88.00	98.54	96.32	94.29	90.26
<i>SETD1B</i>	NM_001353345.1	75.00	97.77	96.45	94.10	83.61
<i>SETD2</i>	NM_014159.6	280.00	99.91	99.15	98.08	96.96
<i>SETD5</i>	NM_001080517.3	116.00	100.00	99.99	99.62	97.91
<i>SF3B4</i>	NM_005850.5	123.00	100.00	97.65	90.47	77.51
<i>SGSH</i>	NM_000199.5	71.00	94.18	94.13	93.64	88.83
<i>SH3BP2</i>	NM_001122681.2	95.00	100.00	99.99	99.75	94.62
<i>SH3PXD2B</i>	NM_001017995.3	109.00	99.93	98.53	95.46	87.65
<i>SHANK1</i>	NM_016148.5	63.00	94.04	83.74	73.38	59.84
<i>SHANK2</i>	NM_012309.4	160.00	99.13	98.64	97.10	91.80
<i>SHANK3</i>	NM_001372044	74.00	93.46	87.05	78.15	63.69
<i>SHH</i>	NM_000193.4	82.00	99.89	98.48	96.50	92.99
<i>SHMT2</i>	NM_005412.6	114.00	100.00	99.93	98.99	93.51
<i>SHOC2</i>	NM_007373.3	113.00	100.00	100.00	99.92	99.77
<i>SHOX</i>	NM_000451.3	0.00	0.00	0.00	0.00	0.00
<i>SHOX</i>	NM_000451.3	0.00	0.00	0.00	0.00	0.00
<i>SHROOM3</i>	NM_020859.4	140.00	100.00	99.99	99.79	98.51
<i>SIAH1</i>	NM_003031.4	222.00	100.00	100.00	99.94	99.78
<i>SIK1</i>	NM_173354.5	106.00	100.00	100.00	100.00	98.90
<i>SIL1</i>	NM_022464.5	98.00	100.00	99.29	96.45	87.07
<i>SIM1</i>	NM_005068.2	170.00	100.00	100.00	99.91	96.85
<i>SIN3A</i>	NM_001145358.2	117.00	100.00	99.87	99.26	98.69
<i>SIN3B</i>	NM_015260	91.00	98.46	96.78	96.20	90.99
<i>SIX1</i>	NM_005982.4	118.00	100.00	100.00	99.15	96.64
<i>SIX3</i>	NM_005413.4	150.00	100.00	99.23	94.99	89.77
<i>SIX5</i>	NM_175875.5	49.00	98.94	86.73	68.59	49.56
<i>SIX6</i>	NM_007374.3	109.00	99.98	99.79	98.96	98.52
<i>SKI</i>	NM_003036.4	80.00	94.46	87.24	81.69	74.70
<i>SKIV2L</i>	NM_006929.5	104.00	100.00	99.83	98.58	95.25
<i>SLC10A7</i>	NM_001029998.6	92.00	100.00	99.94	96.26	77.36

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
SLC12A5	NM_020708.5	89.00	99.81	96.99	91.60	82.40
SLC12A6	NM_001365088.1	100.00	100.00	99.93	99.37	97.08
SLC13A5	NM_177550.5	88.00	100.00	99.99	99.71	93.96
SLC16A2	NM_006517.5	78.00	99.02	93.53	88.35	74.26
SLC17A5	NM_012434.5	93.00	100.00	100.00	100.00	99.93
SLC19A3	NM_025243.4	126.00	100.00	100.00	100.00	99.79
SLC1A2	NM_004171.4	115.00	100.00	99.99	99.64	94.72
SLC22A5	NM_003060.4	118.00	100.00	100.00	99.98	99.91
SLC24A1	NM_004727.3	135.00	99.95	98.72	94.94	86.97
SLC24A4	NM_153646.3	90.00	100.00	99.94	98.70	90.24
SLC25A1	NM_005984.5	71.00	91.69	89.40	87.32	77.31
SLC25A15	NM_014252.4	133.00	100.00	100.00	100.00	99.87
SLC25A19	NM_001126121.2	91.00	100.00	99.86	99.03	94.88
SLC25A20	NM_000387.6	99.00	100.00	100.00	100.00	100.00
SLC25A22	NM_001191061.2	103.00	100.00	100.00	99.40	93.77
SLC25A24	NM_013386.5	98.00	100.00	99.99	99.68	97.35
SLC25A26	NM_173471.3	89.00	100.00	100.00	99.98	97.42
SLC25A38	NM_017875.4	157.00	100.00	100.00	100.00	99.53
SLC25A4	NM_001151.4	110.00	100.00	99.97	99.48	96.63
SLC25A42	NM_178526	98.00	100.00	100.00	100.00	97.68
SLC26A2	NM_000112.4	294.00	100.00	100.00	100.00	100.00
SLC27A4	NM_005094.4	103.00	100.00	99.29	96.65	90.02
SLC2A1	NM_006516.3	122.00	99.61	98.81	98.70	98.43
SLC2A10	NM_030777.4	98.00	100.00	99.99	99.38	96.28
SLC2A2	NM_000340.2	114.00	100.00	100.00	99.99	99.75
SLC31A1	NM_001859.4	109.00	100.00	100.00	100.00	100.00
SLC33A1	NM_004733.4	142.00	100.00	100.00	99.99	99.86
SLC35A1	NM_006416.5	117.00	99.68	98.65	98.37	98.06
SLC35A2	NM_005660.3	74.00	100.00	96.97	94.19	88.00
SLC35C1	NM_018389.5	109.00	100.00	100.00	100.00	99.89
SLC35D1	NM_015139.3	96.00	100.00	99.96	99.11	90.34
SLC37A4	NM_001164277	99.00	100.00	99.72	98.33	94.76
SLC38A3	NM_006841	97.00	100.00	99.90	98.31	93.33
SLC39A13	NM_001128225.3	76.00	100.00	99.98	98.09	84.69
SLC39A8	NM_001135146.2	93.00	100.00	100.00	99.98	99.14
SLC45A1	NM_001080397.2	97.00	99.88	98.71	95.30	86.24
SLC46A1	NM_080669.6	110.00	100.00	100.00	99.95	97.65
SLC4A1	NM_000342.4	93.00	99.98	99.73	97.73	87.18
SLC4A11	NM_032034.3	105.00	100.00	100.00	99.64	96.59
SLC4A4	NM_001098484.3	125.00	100.00	100.00	99.92	99.14
SLC52A2	NM_001363118.2	94.00	100.00	99.81	98.56	93.23
SLC52A3	NM_033409.4	88.00	100.00	99.90	98.79	93.47
SLC5A5	NM_000453.3	76.00	99.98	99.30	96.68	90.24
SLC5A6	NM_021095.4	90.00	100.00	99.96	99.31	92.63
SLC5A7	NM_021815.5	132.00	100.00	100.00	99.98	99.91
SLC6A1	NM_003042.4	93.00	98.16	90.94	84.93	77.82
SLC6A17	NM_001010898.4	96.00	99.55	96.18	86.84	73.59

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<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>SLC6A8</i>	NM_005629.4	42.00	94.03	78.23	63.28	46.03
<i>SLC6A9</i>	NM_001024845.3	75.00	100.00	99.43	95.65	88.62
<i>SLC9A6</i>	NM_001042537.1	99.00	99.96	99.26	97.77	95.29
<i>SLC9A7</i>	NM_001257291.2	65.00	98.58	93.69	84.88	69.75
<i>SLC9A9</i>	NM_173653.4	101.00	100.00	100.00	99.96	99.62
<i>SLIRP</i>	NM_031210	95.00	100.00	100.00	100.00	95.69
<i>SLX4</i>	NM_032444.4	108.00	99.95	99.40	97.80	93.27
<i>SMAD2</i>	NM_005901.6	122.00	100.00	100.00	100.00	99.44
<i>SMAD3</i>	NM_005902.4	93.00	100.00	99.96	99.13	97.69
<i>SMAD4</i>	NM_005359.6	132.00	100.00	100.00	99.98	99.94
<i>SMAD6</i>	NM_005585.5	33.00	93.35	67.37	53.09	43.72
<i>SMARCA2</i>	NM_003070.5	95.00	98.60	97.70	97.20	95.00
<i>SMARCA4</i>	NM_001128849.2	92.00	100.00	99.90	98.89	92.48
<i>SMARCAL1</i>	NM_014140.4	120.00	100.00	99.99	99.77	97.99
<i>SMARCB1</i>	NM_003073.5	102.00	100.00	100.00	99.68	98.57
<i>SMARCC2</i>	NM_001330288.2	90.00	100.00	99.88	97.97	86.65
<i>SMARCD1</i>	NM_003076.5	115.00	97.50	92.69	89.08	87.28
<i>SMARCE1</i>	NM_003079.5	147.00	100.00	100.00	99.97	99.72
<i>SMC1A</i>	NM_006306.4	90.00	99.96	99.41	98.06	92.98
<i>SMC3</i>	NM_005445.3	90.00	99.96	99.33	96.55	89.06
<i>SMCHD1</i>	NM_015295.2	103.00	99.95	99.52	98.41	96.83
<i>SMG8</i>	NM_018149.6	163.00	100.00	100.00	100.00	99.32
<i>SMG9</i>	NM_019108.4	63.00	100.00	99.45	94.34	74.62
<i>SMO</i>	NM_005631.5	90.00	98.96	95.56	91.57	84.14
<i>SMOC1</i>	NM_022137.6	74.00	99.86	97.54	92.54	86.01
<i>SMOC2</i>	NM_001166412.2	118.00	99.68	96.69	91.36	85.38
<i>SMPD1</i>	NM_000543.5	160.00	100.00	99.97	99.66	98.17
<i>SMPD4</i>	NM_017951.4	81.00	99.90	98.49	94.36	82.62
<i>SMS</i>	NM_004595.5	102.00	99.87	98.68	96.41	92.61
<i>SNAP25</i>	NM_130811.3	64.00	100.00	100.00	99.40	85.09
<i>SNAP29</i>	NM_004782.4	81.00	100.00	100.00	100.00	96.72
<i>SNIP1</i>	NM_024700.4	164.00	100.00	99.67	98.46	97.03
<i>SNORD118</i>	NR_033294	0.00	0.00	0.00	0.00	0.00
<i>SNRPB</i>	NM_003091.4	70.00	100.00	99.30	95.47	76.47
<i>SNRPE</i>	NM_003094.4	100.00	99.41	94.18	85.78	81.01
<i>SNX14</i>	NM_153816.6	85.00	99.78	97.97	93.05	80.08
<i>SNX3</i>	NM_003795.6	106.00	100.00	100.00	100.00	100.00
<i>SOBP</i>	NM_018013.4	97.00	96.70	93.40	88.72	81.46
<i>SON</i>	NM_138927.3	201.00	100.00	99.85	99.18	97.52
<i>SOS1</i>	NM_005633.3	114.00	100.00	99.63	98.47	97.25
<i>SOS2</i>	NM_006939	108.00	99.60	98.33	96.66	92.72
<i>SOX10</i>	NM_006941.4	152.00	99.59	97.75	94.68	90.51
<i>SOX11</i>	NM_003108.4	77.00	100.00	98.00	90.85	81.89
<i>SOX17</i>	NM_022454.4	80.00	100.00	99.97	99.42	96.81
<i>SOX2</i>	NM_003106.4	111.00	100.00	99.97	99.26	96.27

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
SOX3	NM_005634.2	71.00	98.48	90.15	77.85	61.96
SOX4	NM_003107.3	111.00	95.74	80.84	71.82	66.20
SOX5	NM_006940.6	107.00	100.00	99.99	99.73	95.10
SOX6	NM_001367873.1	115.00	100.00	99.99	99.89	97.91
SOX9	NM_000346.4	103.00	99.83	97.87	94.09	88.27
SPAG1	NM_172218.2	83.00	99.51	95.82	91.80	82.10
SPARC	NM_003118.4	77.00	100.00	99.86	98.01	88.24
SPAST	NM_014946.3	92.00	99.96	99.30	97.46	91.22
SPATA5	NM_145207.3	106.00	100.00	100.00	99.91	99.19
SPATA5L1	NM_024063	87.00	99.32	97.20	93.61	85.54
SPECC1L	NM_015330.5	132.00	100.00	100.00	99.95	99.23
SPEG	NM_005876.5	78.00	99.51	96.62	90.67	77.67
SPEN	NM_015001.3	340.00	100.00	99.99	99.93	99.55
SPG11	NM_025137.4	113.00	100.00	100.00	99.79	98.04
SPOP	NM_001007228.2	110.00	100.00	100.00	100.00	99.61
SPR	NM_003124.5	79.00	100.00	99.24	94.51	86.47
SPRED1	NM_152594.3	174.00	100.00	100.00	99.99	99.91
SPRED2	NM_181784	108.00	100.00	99.86	99.13	97.34
SPRTN	NM_032018.7	155.00	100.00	99.89	99.19	98.47
SPTAN1	NM_001130438.3	99.00	99.99	99.82	98.88	95.05
SPTBN1	NM_003128.3	114.00	100.00	99.79	99.05	96.12
SPTBN2	NM_006946.3	89.00	99.82	97.29	93.11	86.74
SPTBN4	NM_020971.3	66.00	97.14	92.54	83.75	69.04
SPTLC2	NM_004863.3	106.00	100.00	99.97	99.54	96.76
SRCAP	NM_006662.3	114.00	100.00	99.80	98.74	95.48
SRD5A3	NM_024592.5	123.00	100.00	99.62	97.80	96.35
SRGAP3	NM_014850.4	98.00	100.00	99.84	98.08	89.90
SRP54	NM_003136.4	95.00	99.95	99.41	97.62	92.90
SRPX2	NM_014467.3	80.00	100.00	99.21	96.95	88.34
SRRM2	NM_016333.4	182.00	100.00	100.00	99.86	98.58
SRSF1	NM_006924.5	156.00	100.00	100.00	99.53	96.06
SRY	NM_003140.3	375.00	62.50	62.50	62.50	62.50
ST14	NM_021978.4	76.00	99.87	98.38	94.98	85.47
ST3GAL3	NM_006279.5	108.00	100.00	100.00	99.95	99.40
ST3GAL5	NM_003896.4	132.00	95.85	93.45	93.43	93.40
STAC3	NM_145064	119.00	99.99	98.86	95.53	88.92
STAG1	NM_005862.3	105.00	100.00	99.56	98.52	97.50
STAG2	NM_001042750.2	74.00	99.83	98.63	95.78	84.54
STAMBP	NM_213622.4	109.00	100.00	100.00	99.85	95.88
STAR	NM_000349.3	82.00	100.00	100.00	99.77	93.25
STAT2	NM_005419.4	106.00	100.00	100.00	99.93	99.23
STAT5B	NM_012448.4	97.00	99.95	98.18	95.20	87.08
STIL	NM_003035.2	176.00	100.00	100.00	100.00	99.99
STIM1	NM_003156.3	108.00	100.00	99.98	99.61	96.79
STN1	NM_024928.5	107.00	100.00	100.00	100.00	99.21
STRA6	NM_022369.4	73.00	100.00	99.87	97.54	82.20
STRADA	NM_001003787.4	100.00	100.00	100.00	99.86	97.22

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>STS</i>	NM_001320752.1	99.00	100.00	99.57	98.11	93.89
<i>STT3A</i>	NM_152713.5	120.00	100.00	100.00	100.00	99.97
<i>STT3B</i>	NM_178862.3	110.00	99.29	95.76	93.45	89.44
<i>STX1B</i>	NM_052874.5	78.00	99.98	98.44	96.01	80.75
<i>STXBP1</i>	NM_001032221.4	86.00	100.00	99.95	99.06	89.60
<i>SUCLG1</i>	NM_003849.4	94.00	100.00	100.00	99.96	97.98
<i>SUFU</i>	NM_016169.3	109.00	100.00	100.00	99.68	95.77
<i>SUMF1</i>	NM_182760.4	111.00	100.00	100.00	100.00	100.00
<i>SUMO1</i>	NM_003352.6	79.00	99.87	98.50	90.23	76.31
<i>SUOX</i>	NM_000456	163.00	100.00	100.00	99.76	97.34
<i>SUPT16H</i>	NM_007192.4	122.00	100.00	100.00	99.93	99.27
<i>SURF1</i>	NM_003172.4	114.00	95.56	88.94	88.14	87.69
<i>SUZ12</i>	NM_015355.4	86.00	98.40	90.23	82.52	75.54
<i>SYN1</i>	NM_006950.3	68.00	97.36	84.62	71.96	59.39
<i>SYNCRIP</i>	NM_006372.5	142.00	100.00	100.00	100.00	100.00
<i>SYNE1</i>	NM_182961.4	122.00	100.00	99.81	99.32	97.98
<i>SYNGAP1</i>	NM_006772.3	106.00	98.65	98.15	96.71	91.35
<i>SYP</i>	NM_003179.2	56.00	98.47	92.64	83.09	62.24
<i>SYT1</i>	NM_005639.3	112.00	100.00	99.68	98.50	93.96
<i>SYT2</i>	NM_177402.5	102.00	100.00	99.94	99.32	94.22
<i>SZT2</i>	NM_001365999.1	109.00	99.96	99.20	96.82	91.70
<i>TAB2</i>	NM_001292034.3	269.00	100.00	100.00	99.98	99.93
<i>TAC3</i>	NM_013251.4	91.00	100.00	100.00	100.00	99.90
<i>TACO1</i>	NM_016360.4	79.00	100.00	99.50	95.96	82.37
<i>TACR3</i>	NM_001059.3	128.00	100.00	100.00	99.90	99.64
<i>TAF1</i>	NM_004606.4	106.00	99.98	99.60	98.12	92.65
<i>TAF13</i>	NM_005645.4	119.00	100.00	100.00	100.00	100.00
<i>TAF2</i>	NM_003184.4	110.00	100.00	99.97	99.43	96.59
<i>TAFAZZIN</i>	NM_000116.5	59.00	99.42	96.11	88.35	67.89
<i>TANC2</i>	NM_025185.4	148.00	100.00	99.94	99.51	97.39
<i>TANGO2</i>	NM_152906.7	82.00	99.98	99.33	97.04	88.59
<i>TAOK1</i>	NM_020791.2	96.00	100.00	99.95	99.21	94.67
<i>TAPT1</i>	NM_153365.3	93.00	93.90	87.24	82.89	79.05
<i>TARS1</i>	NM_152295.4	94.00	100.00	99.77	98.43	94.06
<i>TASP1</i>	NM_017714.3	99.00	100.00	99.99	99.00	88.49
<i>TAT</i>	NM_000353.3	104.00	100.00	100.00	100.00	99.33
<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>TBC1D2B</i>	NM_144572.1	109.00	98.31	97.72	96.82	94.79
<i>TBCD</i>	NM_005993.5	108.00	98.52	94.54	91.01	82.45
<i>TBCE</i>	NM_003193.5	97.00	100.00	100.00	99.95	98.65
<i>TBCK</i>	NM_001163435.3	90.00	99.79	98.84	96.89	90.82
<i>TBL1XR1</i>	NM_001321194.2	98.00	100.00	99.89	98.60	96.25
<i>TBR1</i>	NM_006593.4	137.00	100.00	100.00	100.00	99.76
<i>TBX1</i>	NM_080647.1	45.00	88.72	77.49	65.14	46.35
<i>TBX15</i>	NM_001330677.2	133.00	100.00	99.99	99.43	98.54

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>TBX18</i>	NM_001080508.3	99.00	100.00	100.00	99.22	89.50
<i>TBX20</i>	NM_001077653.2	90.00	100.00	100.00	99.45	94.94
<i>TBX22</i>	NM_001109878.2	104.00	97.54	92.73	88.82	82.39
<i>TBX3</i>	NM_005996.4	63.00	99.94	98.12	92.36	69.52
<i>TBX4</i>	NM_001321120.2	108.00	98.95	94.52	89.98	82.51
<i>TBX5</i>	NM_000192.3	117.00	100.00	99.94	99.21	94.35
<i>TBXAS1</i>	NM_001130966.4	117.00	100.00	100.00	99.82	97.28
<i>TCF12</i>	NM_003205.4	113.00	100.00	100.00	99.97	99.77
<i>TCF20</i>	NM_005650.3	201.00	100.00	100.00	100.00	99.90
<i>TCF4</i>	NM_001083962.2	105.00	99.98	99.41	98.26	94.73
<i>TCF7L2</i>	NM_001146274.2	78.00	99.99	99.52	96.46	84.84
<i>TCN2</i>	NM_000355.4	103.00	100.00	99.97	99.17	94.24
<i>TCOF1</i>	NM_001371623.1	82.00	99.97	98.30	92.78	82.53
<i>TCTN1</i>	NM_001082538.3	98.00	100.00	99.71	99.04	98.65
<i>TCTN2</i>	NM_024809.5	111.00	100.00	100.00	99.30	95.70
<i>TCTN3</i>	NM_015631.6	97.00	100.00	100.00	99.96	97.17
<i>TDRD7</i>	NM_014290.3	114.00	99.95	99.51	98.73	97.70
<i>TECPR2</i>	NM_014844.5	113.00	100.00	100.00	99.88	98.17
<i>TEK</i>	NM_000459.4	110.00	100.00	100.00	99.99	99.77
<i>TELO2</i>	NM_016111.4	67.00	99.81	97.88	91.91	70.46
<i>TERC</i>	NR_001566	0.00	0.00	0.00	0.00	0.00
<i>TERT</i>	NM_198253.3	84.00	99.76	97.73	95.01	87.45
<i>TET3</i>	NM_001287491.2	105.00	99.97	99.28	97.41	94.53
<i>TFAP2A</i>	NM_001372066.1	103.00	100.00	99.54	96.25	87.82
<i>TFAP2B</i>	NM_003221.4	110.00	99.98	99.34	97.57	93.97
<i>TFE3</i>	NM_006521.6	60.00	99.84	96.98	88.58	66.68
<i>TFRC</i>	NM_001128148.3	110.00	100.00	99.91	99.48	98.45
<i>TGDS</i>	NM_014305.4	102.00	100.00	99.99	99.55	87.83
<i>TGFB1</i>	NM_000660.7	100.00	100.00	100.00	100.00	99.60
<i>TGFB2</i>	NM_003238.6	130.00	100.00	99.93	98.83	96.85
<i>TGFB3</i>	NM_003239.4	104.00	100.00	99.90	98.55	92.42
<i>TGFBR1</i>	NM_004612.4	134.00	93.69	93.56	93.56	93.56
<i>TGFBR2</i>	NM_003242.6	149.00	100.00	99.92	99.31	95.99
<i>TGIF1</i>	NM_003244.3	147.00	100.00	100.00	100.00	100.00
<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>THG1L</i>	NM_017872	99.00	100.00	100.00	100.00	99.85
<i>THOC2</i>	NM_001081550.2	77.00	99.54	97.11	91.71	80.89
<i>THOC6</i>	NM_024339.5	126.00	100.00	99.99	99.10	92.47
<i>THRA</i>	NM_003250.6	101.00	100.00	99.98	99.79	98.62
<i>TIMM8A</i>	NM_004085.4	78.00	99.99	97.91	91.60	72.45
<i>TINF2</i>	NM_001099274.3	157.00	100.00	100.00	100.00	99.93
<i>TK2</i>	NM_004614.5	108.00	100.00	100.00	99.89	99.43
<i>TKFC</i>	NM_001351976.2	75.00	99.80	97.12	93.87	84.25
<i>TKT</i>	NM_001064.4	87.00	100.00	99.81	98.65	93.34
<i>TLK2</i>	NM_006852.4	99.00	100.00	100.00	99.86	96.90
<i>TLL1</i>	NM_012464.5	103.00	100.00	100.00	99.77	97.00

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>TM4SF20</i>	NM_024795.4	116.00	100.00	100.00	100.00	100.00
<i>TMCO1</i>	NM_019026.4	96.00	100.00	100.00	100.00	97.44
<i>TMEM106B</i>	NM_001134232.2	108.00	100.00	100.00	99.99	95.09
<i>TMEM114</i>	NM_001146336.1	74.00	100.00	99.48	92.43	62.34
<i>TMEM126B</i>	NM_001193538.3	107.00	100.00	100.00	100.00	99.84
<i>TMEM135</i>	NM_022918.4	95.00	100.00	99.15	96.56	90.75
<i>TMEM165</i>	NM_018475.5	117.00	100.00	100.00	99.93	96.85
<i>TMEM199</i>	NM_152464.3	86.00	100.00	99.96	98.28	89.33
<i>TMEM216</i>	NM_001173990.3	130.00	99.99	99.75	98.73	92.84
<i>TMEM222</i>	NM_032125	83.00	100.00	100.00	99.73	96.40
<i>TMEM237</i>	NM_001044385.3	94.00	100.00	100.00	99.50	96.83
<i>TMEM240</i>	NM_001114748	151.00	99.79	99.04	94.61	89.32
<i>TMEM251</i>	NM_001098621.3	206.00	100.00	100.00	100.00	100.00
<i>TMEM260</i>	NM_017799.4	101.00	100.00	99.44	98.27	97.10
<i>TMEM63A</i>	NM_014698.3	76.00	99.93	99.22	97.64	89.99
<i>TMEM67</i>	NM_153704.6	104.00	100.00	100.00	99.82	96.98
<i>TMEM70</i>	NM_017866.6	209.00	100.00	98.69	94.55	85.15
<i>TMEM94</i>	NM_014738.6	95.00	99.99	99.68	97.72	88.98
<i>TMPRSS6</i>	NM_153609.3	82.00	100.00	99.79	98.67	90.09
<i>TMTC3</i>	NM_181783.4	122.00	100.00	99.93	99.39	95.63
<i>TMX2</i>	NM_015959.4	141.00	100.00	100.00	99.97	99.76
<i>TNFRSF13B</i>	NM_012452.3	73.00	100.00	99.54	96.79	84.57
<i>TNNT3</i>	NM_006757	78.00	99.61	97.87	97.02	93.13
<i>TNPO2</i>	NM_001136196	92.00	100.00	99.95	99.38	97.20
<i>TNRC6B</i>	NM_001162501.2	113.00	99.05	98.30	97.60	92.04
<i>TOE1</i>	NM_025077.4	137.00	100.00	100.00	100.00	100.00
<i>TOGARAM1</i>	NM_001308120.2	131.00	100.00	99.95	99.37	97.42
<i>TOP3A</i>	NM_004618.5	102.00	100.00	99.96	99.56	96.40
<i>TP53RK</i>	NM_033550.4	165.00	100.00	99.96	98.45	94.88
<i>TP63</i>	NM_003722.5	103.00	100.00	99.99	99.67	97.46
<i>TP73</i>	NM_005427	102.00	100.00	99.99	99.43	92.59
<i>TPM2</i>	NM_213674.1	70.00	99.97	98.19	94.18	85.00
<i>TPP1</i>	NM_000391.4	122.00	99.89	98.63	96.34	93.38
<i>TPP2</i>	NM_001330588.2	110.00	99.96	99.20	96.89	91.06
<i>TPRKB</i>	NM_016058.5	89.00	99.48	96.54	89.76	80.45
<i>TRAF7</i>	NM_032271.3	101.00	99.99	99.71	98.25	93.29
<i>TRAIP</i>	NM_005879.3	93.00	100.00	100.00	100.00	99.66
<i>TRAPPC10</i>	NM_003274	117.00	99.39	98.23	97.18	93.43
<i>TRAPPC11</i>	NM_021942.6	113.00	100.00	99.99	99.41	97.12
<i>TRAPPC12</i>	NM_016030.6	115.00	100.00	100.00	99.98	99.12
<i>TRAPPC2</i>	NM_001011658.4	74.00	100.00	99.88	96.33	78.12
<i>TRAPPC2L</i>	NM_016209	118.00	100.00	100.00	100.00	96.88
<i>TRAPPC4</i>	NM_016146.6	113.00	100.00	100.00	100.00	100.00
<i>TRAPPC9</i>	NM_001160372.4	107.00	99.97	99.13	96.70	92.17
<i>TREX1</i>	NM_033629.6	142.00	100.00	100.00	100.00	100.00
<i>TRIM32</i>	NM_012210.3	169.00	100.00	100.00	100.00	100.00
<i>TRIM37</i>	NM_015294.6	104.00	100.00	100.00	99.93	96.87

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>TRIM8</i>	NM_030912.2	112.00	100.00	100.00	99.79	95.53
<i>TRIO</i>	NM_007118.4	103.00	98.58	97.85	97.12	93.06
<i>TRIP11</i>	NM_004239.4	158.00	100.00	99.88	98.99	95.39
<i>TRIP12</i>	NM_001348323.1	113.00	100.00	99.98	99.85	97.95
<i>TRIP13</i>	NM_004237.4	106.00	100.00	100.00	99.56	95.03
<i>TRIP4</i>	NM_016213.5	96.00	100.00	99.80	98.37	94.74
<i>TRIT1</i>	NM_017646.6	117.00	100.00	100.00	100.00	99.87
<i>TRMT1</i>	NM_017722.4	90.00	99.62	96.05	88.55	80.30
<i>TRMT10A</i>	NM_001134665.3	114.00	100.00	100.00	100.00	100.00
<i>TRMT10C</i>	NM_017819.4	218.00	99.92	99.45	97.48	93.67
<i>TRNT1</i>	NM_182916	95.00	99.97	96.34	91.61	89.26
<i>TRPM1</i>	NM_001252024.2	120.00	99.97	99.55	98.86	97.44
<i>TRPM3</i>	NM_001366145.2	146.00	100.00	99.97	99.63	98.91
<i>TRPS1</i>	NM_001330599.2	261.00	100.00	100.00	100.00	100.00
<i>TRPV3</i>	NM_145068.4	89.00	99.94	98.59	96.67	94.47
<i>TRPV4</i>	NM_021625.5	100.00	100.00	99.90	98.48	92.60
<i>TRPV6</i>	NM_018646.6	100.00	100.00	99.68	98.85	97.73
<i>TRRAP</i>	NM_003496.3	107.00	99.80	99.58	98.84	96.71
<i>TSC1</i>	NM_000368.5	117.00	100.00	100.00	100.00	99.83
<i>TSC2</i>	NM_000548.5	101.00	100.00	99.90	98.44	93.19
<i>TSEN15</i>	NM_052965.4	123.00	100.00	99.23	91.61	76.69
<i>TSEN2</i>	NM_025265.4	138.00	100.00	100.00	100.00	99.96
<i>TSEN34</i>	NM_001077446.4	138.00	100.00	99.54	97.14	95.50
<i>TSEN54</i>	NM_207346.3	93.00	96.51	95.67	93.28	85.88
<i>TSHB</i>	NM_000549.5	137.00	100.00	100.00	100.00	100.00
<i>TSHR</i>	NM_000369.3	222.00	100.00	99.61	98.56	96.67
<i>TSHZ1</i>	NM_001308210.1	157.00	98.73	98.73	98.72	98.66
<i>TSPAN7</i>	NM_004615.3	87.00	100.00	99.91	98.44	90.04
<i>TTC12</i>	NM_017868.4	92.00	100.00	100.00	99.64	97.40
<i>TTC19</i>	NM_017775.4	96.00	97.21	89.48	85.66	82.94
<i>TTC37</i>	NM_014639.3	116.00	100.00	100.00	99.93	99.64
<i>TTC5</i>	NM_138376.3	85.00	99.96	98.89	94.81	85.71
<i>TTC7A</i>	NM_020458.4	76.00	100.00	99.60	96.26	82.22
<i>TTC8</i>	NM_198309.3	111.00	99.43	97.81	97.09	96.79
<i>TTI2</i>	NM_025115.4	118.00	100.00	100.00	99.96	99.52
<i>TTN</i>	NM_001267550.2	284.00	99.95	99.76	99.54	99.10
<i>TUBA1A</i>	NM_006009.4	207.00	100.00	100.00	100.00	100.00
<i>TUBA8</i>	NM_018943.3	136.00	99.71	99.70	99.70	99.55
<i>TUBB</i>	NM_178014.4	165.00	100.00	99.98	99.74	98.97
<i>TUBB2A</i>	NM_001069.3	89.00	99.83	92.42	78.96	70.31
<i>TUBB2B</i>	NM_178012.5	91.00	99.92	95.23	82.12	72.94
<i>TUBB3</i>	NM_006086.4	216.00	99.96	98.42	96.30	95.73
<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>TUBGCP2</i>	NM_006659.3	89.00	100.00	99.48	97.78	92.04
<i>TUBGCP4</i>	NM_014444.5	104.00	100.00	99.99	99.75	97.53
<i>TUBGCP6</i>	NM_020461.4	146.00	100.00	99.97	99.50	97.16

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>TUFM</i>	NM_003321.5	110.00	100.00	100.00	100.00	99.91
<i>TUSC3</i>	NM_006765.4	113.00	100.00	99.99	99.80	98.63
<i>TWIST1</i>	NM_000474.4	71.00	95.32	84.83	77.64	71.43
<i>TWIST2</i>	NM_001271893.4	74.00	100.00	99.63	97.29	91.86
<i>TXNL4A</i>	NM_006701.5	89.00	100.00	99.97	99.73	98.65
<i>TYR</i>	NM_000372.5	191.00	100.00	100.00	100.00	99.88
<i>TYRP1</i>	NM_000550.3	140.00	100.00	100.00	99.98	99.96
<i>U2AF2</i>	NM_007279.2	78.00	100.00	97.62	90.44	79.61
<i>UBA5</i>	NM_024818.4	98.00	96.86	91.72	87.60	81.61
<i>UBE2A</i>	NM_003336.4	75.00	100.00	99.83	97.62	83.72
<i>UBE2T</i>	NM_014176.4	108.00	100.00	100.00	100.00	99.62
<i>UBE3A</i>	NM_130838.4	193.00	100.00	100.00	99.94	99.29
<i>UBE3B</i>	NM_130466.4	110.00	100.00	99.98	99.81	99.29
<i>UBE4A</i>	NM_001204077.2	114.00	99.99	99.78	99.04	96.43
<i>UBR1</i>	NM_174916.3	103.00	100.00	99.98	99.81	97.40
<i>UBR7</i>	NM_175748.4	74.00	100.00	99.44	95.10	80.48
<i>UBTF</i>	NM_014233.4	86.00	99.99	99.25	96.79	89.19
<i>UFC1</i>	NM_016406.4	124.00	100.00	100.00	100.00	100.00
<i>UFM1</i>	NM_016617.4	90.00	96.57	80.74	67.15	58.33
<i>UFSP2</i>	NM_018359	115.00	100.00	100.00	99.70	98.94
<i>UGP2</i>	NM_001001521.1	105.00	100.00	100.00	100.00	99.90
<i>UGT1A1</i>	NM_000463.3	351.00	100.00	100.00	99.97	99.79
<i>UMPS</i>	NM_000373.4	148.00	100.00	100.00	100.00	99.81
<i>UNC45B</i>	NM_001267052.2	87.00	100.00	99.99	99.40	94.91
<i>UNC80</i>	NM_001371986.1	95.00	97.96	97.66	96.43	91.76
<i>UPF1</i>	NM_002911.4	107.00	98.55	97.24	93.90	84.86
<i>UPF3B</i>	NM_023010.3	78.00	97.27	88.10	80.73	71.95
<i>UQCRB</i>	NM_006294.4	160.00	100.00	100.00	100.00	100.00
<i>UQCRRS1</i>	NM_006003.3	163.00	99.97	97.33	82.23	74.70
<i>UQCRRQ</i>	NM_014402.5	115.00	100.00	100.00	100.00	100.00
<i>UROC1</i>	NM_144639.3	91.00	100.00	99.88	99.06	93.90
<i>UROS</i>	NM_000375.3	104.00	99.91	97.23	90.18	82.78
<i>USB1</i>	NM_024598.4	78.00	99.35	92.32	81.86	76.72
<i>USP18</i>	NM_017414.4	105.00	95.89	95.81	95.35	91.61
<i>USP27X</i>	NM_001145073.3	138.00	100.00	100.00	100.00	100.00
<i>USP7</i>	NM_003470.3	122.00	98.56	97.62	97.60	97.59
<i>USP9X</i>	NM_001039591.3	98.00	99.99	99.86	98.97	93.98
<i>UTP4</i>	NM_032830.3	123.00	100.00	100.00	99.89	99.38
<i>UVSSA</i>	NM_020894.4	89.00	100.00	99.64	97.13	83.51
<i>VAC14</i>	NM_018052.5	80.00	100.00	99.69	97.50	87.28
<i>VAMP2</i>	NM_014232.3	132.00	99.01	96.04	93.74	87.39
<i>VANGL1</i>	NM_138959.3	137.00	100.00	100.00	99.93	99.72
<i>VCP</i>	NM_007126.5	125.00	100.00	99.87	99.56	99.28
<i>VDR</i>	NM_001017535.1	78.00	99.99	98.39	92.83	78.64
<i>VIP</i>	NM_003381.4	90.00	100.00	100.00	100.00	98.40
<i>VIPAS39</i>	NM_001193315.1	98.00	100.00	100.00	99.99	99.85
<i>VLDLR</i>	NM_003383.5	113.00	100.00	99.81	98.21	96.66

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
VPS13B	NM_152564.4	119.00	100.00	99.71	98.81	97.33
VPS33B	NM_018668.4	104.00	100.00	100.00	99.97	98.18
VPS4A	NM_013245.3	90.00	99.82	98.77	96.71	93.16
VPS53	NM_001128159.3	106.00	100.00	99.98	99.71	96.68
VRK1	NM_003384.3	99.00	100.00	100.00	100.00	97.04
VSX2	NM_182894.3	62.00	100.00	99.69	96.35	79.60
WAC	NM_016628.5	125.00	98.75	97.85	97.28	93.53
WASF1	NM_003931.3	83.00	100.00	99.80	96.01	86.87
WASHC5	NM_014846	106.00	100.00	100.00	99.96	97.87
WDFY3	NM_014991.5	107.00	100.00	99.96	99.77	98.71
WDPCP	NM_015910.7	101.00	100.00	99.97	99.53	95.73
WDR11	NM_018117.12	104.00	100.00	100.00	99.95	99.02
WDR19	NM_025132.4	117.00	100.00	99.98	99.82	97.86
WDR26	NM_025160.6	93.00	99.89	98.33	96.55	93.50
WDR35	NM_020779.4	113.00	100.00	99.81	99.08	96.97
WDR37	NM_014023.4	109.00	100.00	100.00	99.91	98.67
WDR4	NM_018669.6	105.00	99.89	98.04	93.69	85.26
WDR45	NM_001029896.2	75.00	100.00	99.87	96.95	85.32
WDR45B	NM_019613.4	100.00	100.00	99.93	99.32	94.33
WDR62	NM_001083961.2	91.00	99.97	99.45	97.73	90.13
WDR73	NM_032856.4	107.00	100.00	100.00	100.00	99.88
WDR81	NM_001163809.1	108.00	99.93	98.71	95.84	89.35
WFS1	NM_006005.3	117.00	99.99	99.79	98.66	97.17
WNT1	NM_005430.4	112.00	100.00	99.89	98.00	91.32
WNT10B	NM_003394.4	160.00	100.00	99.86	98.73	95.22
WNT3	NM_030753.5	140.00	100.00	99.48	96.50	90.79
WNT4	NM_030761.5	131.00	95.12	92.45	91.13	88.95
WNT5A	NM_003392.4	144.00	99.99	99.55	99.25	98.33
WNT7A	NM_004625.4	162.00	100.00	100.00	100.00	98.31
WRAP53	NM_018081.2	99.00	100.00	99.93	99.30	96.51
WT1	NM_024426.6	70.00	99.88	98.27	91.39	74.72
WWOX	NM_016373.4	98.00	100.00	99.97	99.01	89.49
XPA	NM_000380.3	97.00	100.00	99.39	95.77	83.14
XPC	NM_004628.4	98.00	99.95	99.47	97.49	90.93
XPNPEP3	NM_022098.4	127.00	100.00	100.00	100.00	99.97
XRCC4	NM_022406.4	82.00	100.00	100.00	99.93	97.00
XYLT1	NM_022166.4	97.00	97.23	93.15	88.92	83.11
XYLT2	NM_022167.4	104.00	94.95	94.73	94.13	90.37
YAP1	NM_001130145.3	93.00	99.98	98.73	95.44	89.86
YARS2	NM_001040436.3	139.00	100.00	100.00	100.00	100.00
YRDC	NM_024640	71.00	78.51	73.80	70.77	63.41
YWHAG	NM_012479.4	178.00	99.98	98.49	94.42	85.44
YY1	NM_003403.5	84.00	99.94	98.46	90.77	83.44
ZBTB16	NM_006006.6	119.00	100.00	100.00	100.00	99.97
ZBTB18	NM_001278196.1	207.00	100.00	100.00	99.95	99.79
ZBTB20	NM_001348800.2	171.00	100.00	99.87	99.10	97.44
ZBTB40	NM_014870.4	111.00	100.00	100.00	99.97	99.58

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
ZBTB7A	NM_015898.4	102.00	99.93	98.08	93.56	87.72
ZC4H2	NM_018684.4	76.00	100.00	99.57	96.71	85.62
ZCCHC8	NM_017612.5	122.00	99.98	99.36	97.69	94.89
ZDHHC15	NM_144969.3	68.00	99.85	91.16	82.91	65.86
ZDHHC9	NM_016032.4	60.00	99.87	96.50	89.72	65.60
ZEB1	NM_001174096.1	197.00	99.98	99.39	97.34	90.35
ZEB2	NM_014795.4	609.00	100.00	100.00	99.99	99.95
ZFHX3	NM_006885.4	176.00	99.98	99.73	98.22	93.23
ZFHX4	NM_024721.5	193.00	99.96	99.60	98.95	97.43
ZFP57	NM_001109809.4	138.00	100.00	99.65	98.56	95.31
ZFPM2	NM_012082.4	222.00	100.00	99.46	98.03	93.62
ZFYVE19	NM_032850	72.00	99.70	96.44	88.78	75.20
ZFYVE26	NM_015346.4	111.00	99.99	99.55	97.59	94.35
ZIC1	NM_003412.4	192.00	100.00	99.92	99.35	97.30
ZIC2	NM_007129.5	92.00	92.52	89.76	88.04	85.10
ZIC3	NM_003413.4	79.00	100.00	99.54	96.37	82.57
ZMIZ1	NM_020338.4	88.00	98.78	95.41	92.37	85.08
ZMPSTE24	NM_005857.5	113.00	100.00	100.00	100.00	99.70
ZMYM2	NM_001190965.3	112.00	100.00	99.98	99.72	97.93
ZMYM6	NM_007167.4	163.00	100.00	100.00	99.90	99.35
ZMYND10	NM_015896.4	99.00	100.00	100.00	100.00	99.95
ZMYND11	NM_001370102.1	103.00	100.00	100.00	100.00	99.25
ZNF142	NM_001366290.3	111.00	100.00	99.78	98.99	96.53
ZNF148	NM_021964.2	280.00	100.00	100.00	100.00	99.99
ZNF292	NM_015021.3	242.00	100.00	100.00	99.99	99.84
ZNF407	NM_017757.2	339.00	100.00	100.00	99.99	99.63
ZNF462	NM_021224.6	209.00	99.99	99.87	99.52	98.69
ZNF526	NM_133444.3	168.00	100.00	100.00	100.00	99.92
ZNF599	NM_001007248.3	232.00	100.00	99.95	99.38	98.05
ZNF711	NM_001330574.2	117.00	100.00	99.93	98.54	92.26
ZNF713	NM_182633.3	189.00	100.00	100.00	100.00	99.98
ZNF750	NM_024702.3	120.00	100.00	100.00	99.98	99.87
ZSWIM6	NM_020928.2	111.00	93.05	90.35	87.69	83.76