WES SKIN DISORDERS[1] DG 2.16

Gene	Median coverage	% covered >10x	% covered >20x	OMIM disease ID
AAAS	102.3	100.0	99.6	231550
AAGAB	134.7	99.9	99.8	148600
ABCA12	129.3	99.6	98.4	242500
ABCB6	127.9	100.0	99.9	614497
ABCC6	109.1	93.6	92.8	614473
ABCC9	142.6	100.0	99.7	614050
ABHD5	180.9	100.0	100.0	275630
ACD	159.6	100.0	100.0	616553
ACTA2	87.3	99.9	98.6	611788
ACTB	80.5	100.0	99.7	-
ACVRL1	113.6	100.0	98.4	600376
ADA2	83.5	99.9	97.6	182410
ADAM10	121.4	94.8	93.4	615537
ADAM17	119.0	99.8	98.6	614328
ADAMTS10	122.8	100.0	99.8	277600
ADAMTS17	109.2	97.6	92.3	613195
ADAMTS2	126.3	100.0	99.6	225410
ADAMTS3	136.6	100.0	99.8	-
ADAMTSL2	115.9	99.0	96.3	231050
ADAR	109.2	99.9	99.3	615010
AGA	142.7	100.0	100.0	208400
AGPAT2	162.6	99.1	94.8	608594
AIRE	102.3	100.0	99.9	240300
AKT1	152.6	100.0	99.4	114480
AKT3	82.3	99.2	94.2	603387

ALAD	94.9	99.5	94.7	612740
ALAS2	74.7	98.9	94.7	300751
ALDH18A1	113.7	100.0	99.8	219150
ALDH3A2	113.5	95.3	94.3	270200
ALDOB	135.3	100.0	99.3	229600
ALOX12B	125.6	100.0	99.8	242100
ALOXE3	124.7	100.0	99.4	606545
ALPL	154.8	100.0	99.7	146300
ALX4	157.1	100.0	100.0	613451
AMELX	85.7	98.9	93.5	301200
ANKRD11	119.6	99.2	97.1	148050
ANOS1	76.7	91.7	88.0	308700
ANTXR1	108.3	99.0	96.9	230740
ANTXR2	119.3	99.9	98.6	228600
AP1S3	110.7	90.5	90.4	616106
AP3B1	112.1	99.5	96.5	608233
APC	141.4	99.9	99.6	175100
APCDD1	171.4	100.0	99.3	605389
AQP5	122.4	100.0	99.5	600231
ARHGAP31	141.4	99.8	98.7	100300
ARID1A	134.4	99.4	98.4	614607
ARID1B	139.6	99.5	99.2	614562
ASIP	150.0	100.0	100.0	611742
ASL	123.6	100.0	98.5	207900
ASXL1	132.4	100.0	99.5	605039
ASXL3	138.1	99.7	99.1	615485
ATIC	113.9	100.0	99.7	608688
ATP2A2	143.2	100.0	99.8	101900
ATP2C1	111.6	99.9	99.3	169600
ATP6V0A2	117.4	99.9	99.0	219200

ATP7A	111.2	99.5	96.7	309400
ATR	144.6	99.8	98.6	614564
AXIN2	124.2	100.0	99.9	114500
B3GALT6	81.7	82.6	77.6	615349
B4GALT7	123.9	99.8	98.1	130070
BANF1	51.1	96.6	84.1	614008
BAP1	104.8	85.0	82.9	614327
BCOR	102.7	98.8	95.3	300166
BCS1L	147.9	100.0	100.0	262000
BLM	111.0	99.6	98.0	210900
BLOC1S3	67.4	100.0	99.9	614077
BLOC1S6	101.1	99.2	95.1	614171
BMS1	76.4	66.8	65.6	107600
BRAF	72.5	92.4	80.2	211980
BRIP1	125.8	99.7	98.8	114480
BSCL2	105.2	100.0	100.0	269700
BTD	126.6	99.9	99.7	253260
C1QA	196.1	100.0	100.0	613652
C1QB	161.5	100.0	100.0	613652
C1QC	187.0	100.0	99.6	613652
C2CD3	116.9	95.8	95.2	615948
C4orf26	206.1	100.0	100.0	614832
CA2	137.4	100.0	99.9	259730
CAPN12	105.4	98.1	93.2	-
CARD14	124.5	100.0	99.2	173200
CARD9	133.2	100.0	99.5	212050
CARMIL2	137.3	98.4	96.6	618131
CASP14	85.8	100.0	99.9	617320
CAST	112.4	99.8	97.1	616295
CAV1	189.3	100.0	100.0	612526

CAVIN1	174.1	100.0	100.0	613327
CBL	126.0	97.3	97.0	613563
CBS	123.3	99.9	99.0	236200
CCBE1	75.3	99.8	99.1	235510
CD151	122.2	100.0	100.0	609057
CDAN1	112.4	100.0	99.6	224120
CDH3	140.5	100.0	99.8	225280
CDK4	100.0	100.0	99.1	609048
CDKN2A	121.7	92.3	92.3	155755
CDSN	131.0	100.0	100.0	146520
CELSR1	173.9	98.4	96.0	-
CERS3	95.2	99.8	98.2	615023
CHKB	115.4	100.0	100.0	602541
CHST14	160.6	99.9	98.9	601776
CHSY1	125.9	99.3	97.9	605282
CHUK	126.5	99.8	99.2	613630
CIB1	122.3	99.3	96.3	-
CKAP2L	156.0	99.9	98.9	272440
CLDN1	122.5	100.0	100.0	607626
CLDN10	138.2	100.0	100.0	617671
CNNM4	161.6	100.0	99.5	217080
COL14A1	123.6	99.9	98.7	-
COL17A1	104.5	99.3	96.9	226650
COL1A2	93.3	98.5	94.6	225320
COL3A1	99.2	99.3	96.8	130020
COL5A1	136.4	99.9	98.9	130000
COL5A2	100.2	99.9	99.4	130000
COL7A1	139.7	99.8	98.9	226600
COX4I2	116.5	100.0	99.6	612714
COX7B	38.6	62.3	33.6	300887

CPOX	134.1	99.5	97.2	121300
CST6	116.8	100.0	98.2	-
CSTA	110.9	99.9	99.1	607936
CTC1	105.5	100.0	99.3	612199
CTSA	132.9	100.0	99.9	256540
CTSB	120.8	100.0	100.0	-
CTSC	116.2	100.0	100.0	245010
CXCR4	122.8	100.0	100.0	193670
CYLD	109.2	99.7	97.8	605041
CYP26C1	133.0	100.0	99.9	614974
CYP4F22	115.3	100.0	98.8	604777
DCAF17	90.4	99.9	97.9	241080
DCLRE1C	138.9	99.9	97.2	603554
DDB2	147.3	99.8	98.4	278740
DHCR7	144.9	100.0	100.0	270400
DKC1	91.2	99.8	97.7	305000
DLX3	146.7	100.0	99.0	104510
DLX5	145.3	100.0	99.8	220600
DOCK6	121.5	99.6	98.6	614219
DOCK8	112.1	100.0	99.6	243700
DOLK	157.2	100.0	100.0	610768
DSC2	123.7	99.6	97.2	610476
DSC3	95.6	99.3	97.3	613102
DSE	89.7	99.7	97.2	615539
DSG1	131.0	99.4	97.7	148700
DSG3	133.9	100.0	99.4	-
DSG4	158.3	99.8	99.0	607903
DSP	140.6	100.0	99.6	607450
DSPP	79.0	98.4	93.8	605594
DST	144.8	99.9	99.2	615425

DTNBP1	113.4	99.8	97.9	614076
DUSP6	164.1	100.0	100.0	615269
EBP	63.2	99.5	95.2	302960
ECM1	158.6	99.9	99.0	247100
EDA	102.0	95.6	85.7	305100
EDAR	126.6	100.0	100.0	129490
EDARADD	89.8	99.7	98.3	614940
EDN3	135.2	100.0	100.0	209880
EDNRA	150.7	100.0	99.8	157300
EDNRB	120.9	96.9	92.5	600501
EFEMP2	129.4	100.0	100.0	614437
EFNB1	116.7	100.0	99.9	304110
EIF2AK3	134.2	99.5	96.3	226980
ELN	103.1	100.0	98.9	123700
ELOVL1	85.9	99.8	97.5	-
ELOVL4	104.4	99.9	99.1	614457
ENAM	139.5	100.0	100.0	104500
ENG	128.4	99.9	98.7	187300
ENPP1	129.2	97.5	93.3	208000
EPG5	110.3	99.3	97.9	242840
EPS8L3	104.6	99.4	97.1	-
ERCC2	128.0	100.0	99.8	610756
ERCC3	92.0	99.9	98.4	601675
ERCC4	132.0	100.0	99.8	615272
ERCC5	126.3	99.9	99.5	278780
ERCC6	158.2	100.0	99.9	214150
ERCC8	82.8	98.9	90.0	216400
EVC	106.3	95.9	92.4	225500
EVC2	110.2	99.4	96.3	225500
EXPH5	163.6	100.0	99.9	615028

FAM111B	157.9	99.9	99.6	615704
FAM20A	111.1	100.0	99.4	614253
FAM20C	145.2	100.0	100.0	259775
FAM83G	156.8	100.0	100.0	-
FAM83H	120.2	100.0	99.9	130900
FANCA	112.4	99.9	98.9	227650
FANCB	76.4	98.6	93.2	300514
FANCC	100.8	99.7	99.2	227645
FANCD2	115.6	99.1	96.6	227646
FANCE	118.2	96.6	89.9	600901
FANCF	244.4	100.0	100.0	603467
FANCG	140.7	100.0	99.8	614082
FANCI	136.2	99.9	98.9	609053
FANCL	105.8	99.7	98.0	614083
FANCM	100.6	99.3	97.1	614087
FAT4	190.3	100.0	99.9	615546
FBLN5	96.6	91.8	91.5	614434
FDPS	58.4	97.9	91.6	616631
FECH	104.0	100.0	99.7	177000
FERMT1	90.8	99.6	96.6	173650
FGF10	120.5	100.0	99.6	180920
FGF23	122.3	99.7	97.7	193100
FGF3	139.5	100.0	100.0	610706
FGF5	155.5	99.9	99.5	190330
FGF8	130.0	97.9	86.8	612702
FGFR1	122.6	100.0	99.6	147950
FGFR2	113.1	97.7	96.8	207410
FGFR3	138.5	100.0	99.6	100800
FH	128.0	95.0	88.5	606812
FKBP10	157.5	99.5	97.3	610968

FKBP14	80.8	99.8	97.9	614557
FLCN	152.3	100.0	100.0	135150
FLG	147.1	100.0	99.9	146700
FLG2	352.3	99.9	99.9	-
FLT4	160.3	99.2	99.1	602089
FNIP1	157.8	100.0	99.8	190340
FOXC2	122.3	100.0	100.0	153400
FOXE1	87.5	100.0	99.7	241850
FOXN1	133.0	100.0	99.5	601705
FOXP3	115.6	99.1	94.8	304790
FREM1	110.7	99.8	98.4	608980
FUCA1	125.9	100.0	99.9	230000
FZD6	186.4	100.0	100.0	614157
GALNS	108.3	100.0	99.3	253000
GALNT3	125.8	99.9	98.7	211900
GAN	142.2	99.9	99.4	256850
GATA2	115.0	100.0	99.0	614172
GDF2	142.4	100.0	100.0	615506
GDF5	169.6	100.0	100.0	228900
GGCX	101.2	100.0	99.4	610842
GJA1	156.2	100.0	100.0	600309
GJB2	141.4	100.0	100.0	149200
GJB3	228.5	100.0	100.0	612644
GJB4	246.1	100.0	100.0	133200
GJB6	140.9	100.0	100.0	612643
GJC2	45.3	92.6	75.4	608804
GLA	73.6	99.5	95.8	301500
GLB1	82.6	99.7	95.4	230500
GLMN	70.2	99.0	95.0	138000
GMPPA	147.2	100.0	99.8	615510

GNA11	162.4	100.0	99.5	615361
GNA14	128.8	100.0	100.0	-
GNAQ	52.8	81.0	64.3	163000
GNAS	211.3	100.0	100.0	102200
GORAB	165.7	100.0	98.9	231070
GPR143	59.5	91.0	79.1	300814
GRHL2	116.8	100.0	100.0	608641
GRHL3	133.2	100.0	99.8	606713
GSN	115.5	95.6	93.5	105120
GTF2E2	85.2	100.0	98.2	-
GTF2H5	81.8	99.9	95.9	601675
HCCS	92.4	99.2	95.2	309801
HDAC8	108.1	100.0	99.2	300882
HERC2	95.1	80.0	76.1	615516
HLCS	142.3	100.0	100.0	253270
HMBS	97.3	100.0	98.4	176000
HMGB3	37.1	81.1	62.4	300915
HOXC13	172.8	100.0	100.0	614931
HPGD	90.6	99.9	98.9	259100
HPS1	115.8	100.0	99.9	203300
HPS3	132.7	99.9	98.8	614072
HPS4	128.1	100.0	99.9	614073
HPS5	122.8	99.9	98.7	614074
HPS6	164.6	99.9	97.8	614075
HR	117.4	99.6	97.3	203655
HRAS	182.3	100.0	100.0	218040
HTRA1	89.0	95.2	87.0	600142
HYAL1	110.7	100.0	100.0	601492
IDUA	148.1	98.9	94.6	607014
IFT122	120.5	99.9	99.0	218330

IFT43	112.4	100.0	100.0	614099
IKBKG	60.1	88.1	78.8	300291
IL17RA	149.1	100.0	100.0	613953
IL17RD	134.0	99.9	99.0	615267
IL1RN	139.3	100.0	99.7	612852
IL31RA	109.5	99.9	99.6	613955
IL36RN	92.8	100.0	100.0	614204
INSR	116.4	99.0	95.1	610549
IRF4	196.4	100.0	99.9	254500
IRF6	90.3	99.4	95.0	608864
ITGA3	150.1	99.7	98.0	614748
ITGA6	138.9	99.9	99.0	226730
ITGB4	152.1	99.2	97.4	131800
ITGB6	127.5	96.7	95.0	616221
JUP	124.5	100.0	99.8	611528
KANK2	163.4	100.0	99.9	616099
KAT6B	155.7	99.9	99.1	606170
KCNH1	148.4	98.7	98.3	611816
KCNK9	171.2	100.0	100.0	612292
KDF1	110.3	100.0	99.9	617337
KDSR	158.2	99.9	99.5	617526
KIF11	92.1	97.8	94.5	152950
KIT	136.2	100.0	99.6	606764
KITLG	83.3	99.6	97.2	145250
KLHL24	172.7	100.0	100.0	617294
KLK4	164.3	100.0	100.0	204700
KLLN	152.3	100.0	100.0	615107
KMT2D	136.2	100.0	99.7	147920
KRAS	67.2	99.4	97.3	109800
KRT1	98.0	99.9	98.8	113800

KRT10	128.8	99.9	98.6	113800
KRT13	120.3	100.0	99.3	193900
KRT14	42.6	89.0	80.0	125595
KRT16	34.9	75.2	53.2	167200
KRT17	17.6	46.8	28.0	167210
KRT2	134.6	100.0	99.5	146800
KRT4	121.3	100.0	99.5	193900
KRT5	110.6	100.0	100.0	179850
KRT6A	121.7	96.9	89.2	167200
KRT6B	118.2	98.2	91.8	167210
KRT6C	105.5	88.6	79.8	615735
KRT71	143.1	100.0	99.9	615896
KRT74	138.6	100.0	99.6	613981
KRT75	120.3	100.0	100.0	612318
KRT81	83.7	99.9	97.8	158000
KRT83	67.6	98.6	90.0	158000
KRT85	101.3	99.0	95.2	602032
KRT86	85.3	100.0	97.7	158000
KRT9	68.1	99.4	96.3	144200
LAMA3	125.2	99.9	99.6	226650
LAMB3	116.9	100.0	99.4	226700
LAMC2	100.5	99.7	98.3	226700
LAMTOR2	172.2	100.0	100.0	610798
LDHA	55.6	96.6	88.0	612933
LDLRAP1	149.0	99.9	99.1	603813
LEMD3	122.5	99.8	98.4	166700
LIPH	120.2	100.0	99.7	604379
LIPN	113.9	100.0	99.1	613943
LMBRD1	100.1	98.9	94.1	277380
LMNA	104.7	97.7	91.9	115200

LMX1B	146.6	99.9	98.5	161200
LONP1	148.0	100.0	100.0	600373
LOR	39.8	100.0	93.8	604117
LPAR6	100.3	99.8	98.4	278150
LPIN2	97.8	100.0	99.6	609628
LRMDA	114.9	99.4	97.6	615179
LSS	127.6	100.0	99.7	-
LTBP3	147.5	100.0	99.6	613097
LTBP4	148.0	100.0	99.4	613177
LYST	136.3	99.4	97.8	214500
LYZ	143.0	100.0	100.0	105200
MAP2K1	92.3	99.5	96.3	615279
MAP2K2	124.2	98.5	94.1	615280
MBTPS2	111.2	99.9	98.6	308205
MED12	85.1	99.5	95.5	309520
MEFV	126.8	98.6	96.5	134610
MGP	134.2	98.7	94.6	245150
MITF	141.1	100.0	99.8	103500
MLH1	139.2	99.9	99.3	609310
MLPH	97.4	99.7	97.2	609227
MMACHC	196.0	100.0	100.0	277400
MMP2	154.2	100.0	100.0	259600
MMP20	90.8	99.8	97.6	612529
MPLKIP	104.3	100.0	99.9	234050
MRE11	49.7	97.3	86.0	604391
MSH2	111.7	99.4	96.4	120435
MSX1	143.3	99.9	98.6	189500
MTOR	112.0	99.9	99.1	-
MUTYH	152.0	100.0	100.0	608456
MVD	113.0	99.9	98.4	614714

MVK	121.4	91.0	90.5	260920
MYH8	115.4	100.0	99.4	608837
MYO5A	109.0	99.7	98.6	214450
NAA10	105.0	100.0	98.8	300855
NAGA	121.7	100.0	100.0	609242
NBAS	138.5	99.9	99.1	614800
NCSTN	92.7	100.0	99.6	142690
NDUFB11	103.3	98.6	95.0	309801
NECTIN1	134.0	100.0	99.9	225060
NECTIN4	121.6	100.0	99.9	613573
NEK11	116.1	99.9	98.5	-
NEK9	118.9	99.8	98.2	-
NF1	106.2	92.5	89.4	607785
NFKBIA	134.6	95.3	89.4	612132
NHP2	121.9	100.0	99.2	613987
NIPAL4	126.7	100.0	99.3	612281
NIPBL	124.9	98.8	96.9	122470
NLRP1	117.7	99.5	97.6	615225
NLRP3	134.6	100.0	99.9	607115
NME1	77.1	100.0	99.9	256700
NOD2	125.3	100.0	99.9	186580
NOP10	120.5	100.0	100.0	224230
NOTCH1	141.8	99.8	98.9	109730
NRAS	145.5	100.0	100.0	614470
NSD1	147.0	100.0	99.8	130650
NSDHL	125.8	99.7	97.1	308050
OCA2	116.8	99.7	97.7	203200
ODAM	142.4	99.9	98.4	614832
OFD1	51.9	85.8	70.8	300804
OSMR	131.7	100.0	99.5	105250

PADI3	139.0	100.0	100.0	191480
PAH	126.4	100.0	100.0	261600
PALB2	143.5	100.0	99.9	610832
PAX3	106.9	100.0	99.7	122880
PAX9	236.1	99.8	99.6	604625
PCNA	92.0	100.0	98.2	615919
PDGFB	115.4	100.0	100.0	607807
PDGFRB	126.6	99.7	98.0	615007
PEPD	117.4	100.0	99.6	170100
PERP	166.2	100.0	100.0	-
PEX7	111.0	91.2	89.3	614879
PHEX	107.9	99.8	98.6	307800
PHGDH	106.6	100.0	99.3	601815
PHYH	74.0	99.9	96.9	266500
PIEZO1	144.5	100.0	99.5	194380
PIGA	70.9	92.9	84.0	300868
PIGN	106.3	93.6	91.1	614080
PIGV	124.4	100.0	100.0	239300
PIK3CA	127.7	100.0	99.8	114480
PITX2	164.8	100.0	99.5	180500
PKP1	120.8	99.8	98.4	604536
PLCD1	116.1	100.0	99.3	151600
PLCG2	105.8	100.0	99.3	614878
PLEC	144.1	100.0	100.0	612138
PLG	93.4	87.8	86.8	217090
PLIN1	93.1	100.0	99.3	613877
PLOD1	131.9	99.8	97.3	225400
PLOD3	109.7	100.0	99.9	-
PMS2	94.7	83.4	81.0	614337
PMVK	118.7	100.0	99.9	175800

PNPLA1	164.8	100.0	100.0	615024
PNPLA2	142.7	100.0	99.8	610717
POC1A	112.9	100.0	100.0	614813
POFUT1	134.6	99.9	99.4	615327
POGLUT1	101.2	100.0	98.7	615696
POLD1	124.5	98.0	93.9	615381
POLH	116.2	99.9	98.6	278750
POLR1C	98.3	98.9	94.9	248390
POLR1D	183.1	91.6	91.6	613717
POLR3A	116.8	100.0	99.9	607694
POLR3B	129.8	99.7	98.2	614381
POMC	148.2	100.0	100.0	609734
POMP	124.6	99.9	97.6	601952
PORCN	111.2	99.9	98.8	305600
POT1	97.7	99.9	98.5	615848
PPOX	95.2	99.8	97.5	176200
PQBP1	163.5	100.0	100.0	309500
PRKAR1A	79.4	98.6	92.6	101800
PSEN1	131.5	100.0	100.0	613737
PSENEN	90.1	100.0	100.0	613736
PSMB8	113.5	100.0	98.8	256040
PSTPIP1	103.8	99.9	98.5	604416
PTCH1	110.2	99.9	98.4	605462
PTCH2	120.3	99.9	98.7	605462
PTDSS1	112.0	100.0	99.9	151050
PTEN	129.7	99.6	97.0	153480
PTHLH	127.2	98.4	90.3	613382
PTPN11	78.3	98.6	90.7	151100
PTPN14	159.2	99.3	96.8	613611
PTPRF	154.8	100.0	99.9	616001

PYCR1	96.0	99.7	97.4	612940
RAB23	107.4	100.0	99.2	201000
RAB27A	126.1	100.0	99.8	607624
RAD21	83.0	97.8	93.4	614701
RAD50	102.0	97.5	91.1	613078
RAF1	108.3	100.0	99.9	611554
RAG1	150.9	100.0	100.0	609889
RAG2	186.2	100.0	100.0	233650
RAI1	194.4	100.0	100.0	182290
RBBP8	120.6	99.9	99.3	251255
RBM28	130.1	100.0	99.9	612079
RBP4	137.9	99.2	95.8	615147
RBPJ	70.7	96.3	87.0	614814
RECQL4	159.9	100.0	99.8	218600
RHBDF2	105.1	99.9	98.9	148500
RHOA	75.9	81.8	80.7	-
RIN2	119.5	100.0	99.6	613075
RIPK4	167.5	100.0	100.0	263650
RMRP				607095
RNASEH2A	129.8	100.0	99.7	610333
RNASEH2B	100.8	98.9	95.2	610181
RNASEH2C	281.7	100.0	100.0	610329
RNU4ATAC				210710
ROGDI	127.6	100.0	99.4	226750
RPL21	54.9	84.6	64.0	615885
RSPO1	103.8	100.0	99.9	610644
RSPO4	144.4	100.0	100.0	206800
RTEL1	131.1	99.7	97.7	615190
RUNX2	102.8	73.4	72.2	119600
SAMD9	163.9	100.0	99.9	610455

SAMHD1	133.4	99.8	98.5	612952
SART3	109.4	99.6	97.8	175900
SASH1	152.1	99.3	97.8	-
SAT1	122.5	100.0	98.9	308800
SATB2	107.4	99.8	97.7	119540
SCN10A	133.3	100.0	99.4	613863
SCN11A	122.1	99.3	97.1	613863
SCN9A	128.4	99.1	97.7	613863
SDR9C7	168.0	100.0	99.9	617574
SEC23B	131.0	99.8	99.0	224100
SERPINB7	124.3	100.0	99.6	615598
SERPINB8	125.8	95.0	95.0	617115
SERPING1	96.7	99.5	96.7	106100
SERPINH1	195.8	100.0	99.6	613848
SGPL1	132.3	100.0	100.0	617575
SHOC2	139.6	99.9	99.4	607721
SKI	132.9	100.0	99.3	182212
SKIV2L	138.4	100.0	99.7	614602
SLC17A9	140.1	95.8	95.4	616063
SLC24A4	103.5	100.0	99.8	615887
SLC24A5	104.1	99.9	99.3	113750
SLC26A2	205.1	100.0	99.9	600972
SLC27A4	150.9	100.0	100.0	608649
SLC29A3	173.3	100.0	99.5	602782
SLC2A10	152.6	98.0	97.5	208050
SLC39A13	145.1	100.0	99.9	612350
SLC39A4	114.2	100.0	99.0	201100
SLC45A2	115.2	100.0	99.8	606574
SLC4A4	113.9	99.8	98.3	604278
SLC6A19	129.3	100.0	100.0	234500

SLC7A7	105.5	100.0	99.6	222700
SLCO2A1	97.7	99.9	98.2	614441
SLURP1	100.1	100.0	99.4	248300
SLX4	124.2	100.0	99.7	613951
SMAD3	126.7	100.0	99.8	613795
SMARCA2	105.9	96.8	95.9	601358
SMARCA4	150.9	100.0	99.4	614609
SMARCAD1	93.5	99.5	96.7	136000
SMARCAL1	113.2	100.0	99.6	242900
SMARCB1	179.1	100.0	99.9	614608
SMO	140.4	99.9	98.3	-
SMOC2	88.7	77.0	75.7	125400
SNAI2	102.7	99.9	99.1	172800
SNAP29	168.4	100.0	100.0	609528
SNRPE	73.0	98.1	89.9	615059
SNX10	131.4	96.2	95.7	615085
SOS1	102.0	99.6	97.4	135300
SOX10	88.2	100.0	99.1	609136
SOX18	50.0	91.5	76.2	607823
SOX2	230.0	100.0	100.0	206900
SP7	148.4	100.0	99.3	613849
SPINK5	128.0	99.9	99.5	147050
SPINT2	68.8	99.7	90.0	270420
SPRED1	146.5	99.8	98.8	611431
SPRY4	164.5	100.0	99.6	615266
SRD5A3	139.9	99.8	98.3	612379
ST14	154.8	100.0	99.9	610765
ST3GAL5	101.8	89.0	84.9	609056
STAMBP	93.7	99.8	97.9	614261
STAT3	103.2	100.0	99.0	147060

STAT5B	114.1	99.8	97.8	245590
STIM1	120.7	99.8	96.8	612783
STK11	131.0	100.0	100.0	175200
STS	78.7	99.3	95.2	308100
SUFU	132.8	100.0	99.9	155255
SULT2B1	124.7	100.0	100.0	-
SUMF1	89.7	99.7	96.8	272200
TALDO1	148.2	100.0	99.6	606003
TAP1	117.7	99.9	97.3	604571
TAP2	93.0	99.6	98.4	604571
TAPBP	116.6	96.6	96.5	604571
TAT	115.0	100.0	100.0	276600
TBC1D24	177.7	100.0	100.0	615338
TBX3	100.7	99.8	98.2	181450
TCHH	162.8	100.0	99.9	617252
TCIRG1	131.4	99.2	96.6	259700
TEK	148.0	100.0	99.7	600195
TERC				127550
TERF2IP	128.4	100.0	99.6	-
TERT	144.1	99.7	97.6	613989
TFAP2A	112.7	99.8	98.0	113620
TGFB2	173.2	99.9	99.0	614816
TGFBR1	156.4	95.4	93.8	609192
TGFBR2	156.8	100.0	100.0	614331
TGM1	141.0	100.0	99.9	242300
TGM3	137.1	99.9	98.4	617251
TGM5	144.8	100.0	99.9	609796
TINF2	177.1	100.0	100.0	613990
TMC6	91.1	100.0	99.7	226400
TMC8	133.0	100.0	99.7	226400

TMEM165	148.2	100.0	99.8	614727
TMEM173	95.3	99.1	94.0	615934
TNFRSF11A	131.0	96.1	95.2	174810
TNFRSF11B	172.4	100.0	100.0	239000
TNFRSF1A	106.8	92.5	89.7	142680
TNFSF11	129.8	100.0	100.0	259710
TNXB	105.6	99.5	95.8	130020
TP63	162.8	100.0	100.0	103285
TPCN2	163.7	95.9	94.4	612267
TREX1	233.4	100.0	100.0	225750
TRIM32	123.0	100.0	100.0	209900
TRIM37	113.8	98.5	97.4	253250
TRPS1	154.0	100.0	99.9	190350
TRPV3	122.8	99.9	98.5	614594
TSC1	112.5	99.6	98.2	607341
TSC2	140.5	100.0	99.9	606690
TSPEAR	139.3	100.0	99.8	614861
TTC37	135.1	99.9	99.2	222470
TTI2	96.2	100.0	99.9	615541
TWIST2	132.6	100.0	100.0	227260
TYR	147.9	100.0	99.9	203100
TYRP1	152.3	100.0	100.0	203290
UBE2A	117.9	99.9	96.4	300860
UBR1	119.9	99.8	99.0	243800
UROD	130.8	98.9	95.6	176100
UROS	103.8	100.0	99.7	263700
USB1	118.2	99.8	97.2	604173
UVSSA	122.6	99.2	98.9	614640
VDR	108.8	99.1	96.0	277440
VEGFC	161.7	100.0	100.0	615907

VHL	169.6	100.0	98.3	263400
VPS13B	134.5	99.3	98.0	216550
VPS33B	107.2	100.0	99.9	208085
WAS	70.4	94.2	83.6	300299
WDR19	126.8	100.0	99.2	614376
WDR35	141.8	99.7	98.4	613610
WDR72	123.8	96.8	96.1	613211
WIPF1	89.1	100.0	99.1	614493
WNT10A	141.8	100.0	99.9	257980
WNT10B	157.0	100.0	100.0	225300
WNT5A	159.0	100.0	100.0	180700
WNT7A	195.8	100.0	100.0	228930
WRAP53	162.8	100.0	100.0	613988
WRN	124.8	99.7	98.8	277700
XPA	74.7	99.7	98.2	278700
XPC	143.5	100.0	99.8	278720
XYLT1	128.1	99.9	98.2	264800
XYLT2	147.5	99.7	98.1	264800
YWHAZ	45.9	79.5	66.9	-
ZBTB20	180.2	100.0	100.0	259050
ZMPSTE24	128.7	100.0	99.6	608612
ZNF469	157.6	100.0	100.0	229200
ZNF592	142.8	100.0	100.0	606937
ZNF750	176.9	100.0	99.9	610227

Gene symbols used follow HGCN guidelines: Gray KA, Yates B, Seal RL, Wright MW, Bruford EA. Nucleic Acids Res. 2015 Jan;43(Database issue):D1079-85.
Median Coverage describes the average number of reads seen across 50 exomes.
% Covered 10x describes the percentage of a gene's coding sequence that is covered at least 10x.
% Covered 10x describes the percentage of a gene's coding sequence that is covered at least 20x.
Genes with Median Coverage and % Covered 10x/20x denoting NC are non-coding genes for which coverage statistics could not be generated.
OMIM release used for OMIM disease identifiers and descriptions : October 1st, 2016.

Ad 1. “No OMIM phenotype” signifies a gene without a current OMIM association Ad 2. OMIM phenotype descriptions between {} signify risk factors