

## TruSight One Gene List

A2M	ABCC9	ACOX1	ADAMTS16	ADRA1A
A4GALT	ABCD1	ACP5	ADAMTS17	ADRA2A
A4GNT	ABCD3	ACSF3	ADAMTS18	ADRA2B
AAAS	ABCD4	ACSL4	ADAMTS2	ADRA2C
AADAC	ABCG1	ACSL5	ADAMTSL2	ADRB1
AADAACL2	ABCG2	ACSM2B	ADAMTSL3	ADRB2
AANAT	ABCG5	ACSM3	ADAMTSL4	ADRB3
AARS	ABCG8	ACTA1	ADAR	ADRBK2
AARS2	ABHD12	ACTA2	ADARB1	ADSL
AASS	ABHD5	ACTB	ADC	ADTRP
ABAT	ABI3BP	ACTC1	ADCK3	AFF2
ABCA1	ABO	ACTG1	ADCY10	AFF3
ABCA10	ACACA	ACTN2	ADCY3	AFG3L2
ABCA12	ACACB	ACTN3	ADCY5	AFP
ABCA13	ACAD8	ACTN4	ADCY6	AGA
ABCA2	ACAD9	ACVR1	ADCY9	AGBL4
ABCA3	ACADL	ACVR1B	ADCYAP1	AGER
ABCA4	ACADM	ACVR1C	ADD1	AGGF1
ABCA7	ACADS	ACVR2B	ADH1B	AGK
ABCB1	ACADSB	ACVRL1	ADH1C	AGL
ABCB11	ACADVL	ACY1	ADH4	AGMO
ABCB4	ACAN	ADA	ADH5	AGO1
ABCB6	ACAT1	ADAM10	ADH7	AGO2
ABCB7	ACAT2	ADAM12	ADIPOQ	AGPAT2
ABCC1	ACBD5	ADAM17	ADIPOR1	AGPS
ABCC11	ACBD6	ADAM19	ADK	AGRN
ABCC2	ACCS	ADAM33	ADM	AGRP
ABCC3	ACE	ADAM7	ADNP	AGT
ABCC4	ACHE	ADAM9	ADORA1	AGTR1
ABCC6	ACLY	ADAMTS10	ADORA2A	AGTR2
ABCC8	ACO2	ADAMTS13	ADORA3	AGXT

## TruSight One Gene List

AGXT2	ALAS2	ALOX5AP	ANKRD26	APLNR
AHCY	ALB	ALOXE3	ANKS1A	APOA1
AHI1	ALCAM	ALPL	ANKS1B	APOA2
AHR	ALDH16A1	ALS2	ANO10	APOA4
AHRR	ALDH18A1	ALS2CL	ANO5	APOA5
AHSG	ALDH1A1	ALX1	ANO6	APOB
AHSP	ALDH1A2	ALX3	ANO7	APOBEC3B
AICDA	ALDH2	ALX4	ANTXR1	APOBEC3G
AIF1	ALDH3A2	AMACR	ANTXR2	APOBEC3H
AIFM1	ALDH4A1	AMELX	ANXA11	APOC1
AIMP1	ALDH5A1	AMELY	ANXA5	APOC2
AIP	ALDH6A1	AMER1	AOAH	APOC3
AIPL1	ALDH7A1	AMH	AOC1	APOC4
AIRE	ALDOA	AMHR2	AP1S1	APOD
AK1	ALDOB	AMN	AP1S2	APOE
AK2	ALG1	AMPD1	AP3B1	APOH
AKAP10	ALG10B	AMPD3	AP3B2	APOL1
AKAP13	ALG11	AMT	AP4B1	APOL3
AKAP2	ALG12	ANAPC1	AP4E1	APOM
AKAP9	ALG13	ANG	AP4M1	APP
AKR1B1	ALG2	ANGPT1	AP4S1	APRT
AKR1C2	ALG3	ANGPTL3	AP5Z1	APTX
AKR1C3	ALG6	ANGPTL4	APAF1	AQP1
AKR1C4	ALG8	ANGPTL5	APBA2	AQP2
AKR1D1	ALG9	ANK1	APBB1	AQP3
AKR7A2	ALK	ANK2	APBB3	AQP4
AKR7A3	ALMS1	ANK3	APC	AQP5
AKT1	ALOX12	ANKH	APCDD1	AQP7
AKT2	ALOX12B	ANKK1	APEX1	AR
AKT3	ALOX15	ANKRD1	APH1A	AREL1
ALAD	ALOX5	ANKRD11	APH1B	ARF4

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ARFGEF2	ASB10	ATP13A2	ATXN7	BAP1
ARG1	ASCC1	ATP13A4	ATXN8OS	BARD1
ARHGAP24	ASCC3	ATP1A2	AUH	BAX
ARHGAP31	ASCL1	ATP1A3	AURKA	BBS1
ARHGAP6	ASIC3	ATP1B1	AURKC	BBS10
ARHGAP9	ASIP	ATP2A1	AUTS2	BBS12
ARHGEF10	ASL	ATP2A2	AVP	BBS2
ARHGEF11	ASMT	ATP2A3	AVPR1A	BBS4
ARHGEF12	ASMTL	ATP2B2	AVPR1B	BBS5
ARHGEF6	ASNS	ATP2B4	AVPR2	BBS7
ARHGEF7	ASPA	ATP2C1	AXIN1	BBS9
ARHGEF9	ASPM	ATP5E	AXIN2	BCAM
ARID1A	ASPN	ATP5SL	AXL	BCAP31
ARID1B	ASPRV1	ATP6AP2	B2M	BCAT1
ARL11	ASS1	ATP6V0A1	B3GALNT1	BCAT2
ARL13B	ASTN2	ATP6V0A2	B3GALT6	BCHE
ARL14EP	ASXL1	ATP6V0A4	B3GALTL	BCKDHA
ARL6	ATCAY	ATP6V1B1	B3GAT3	BCKDHB
ARL6IP5	ATF1	ATP7A	B3GNT1	BCL10
ARMS2	ATF3	ATP7B	B3GNT3	BCL11A
ARPC3	ATF5	ATP8A2	B4GALT1	BCL2
ARSA	ATF6	ATP8B1	B4GALT7	BCL2A1
ARSB	ATG16L1	ATPAF2	B9D1	BCL2L11
ARSE	ATG7	ATR	B9D2	BCL2L2
ARSF	ATIC	ATRNL1	BAALC	BCL9
ART4	ATL1	ATRX	BAAT	BCMO1
ARVCF	ATM	ATXN1	BACE1	BCOR
ARX	ATN1	ATXN10	BAG3	BCORL1
AS3MT	ATOH7	ATXN2	BAG6	BCR
ASAH1	ATP10A	ATXN3	BANF1	BCS1L
ASAH2	ATP10D	ATXN3L	BANK1	BDKRB2

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BDNF	BMPR1B	BTNL2	C8A	CALM1
BEAN1	BMPR2	BTRC	C8B	CALM3
BEST1	BNC2	BUB1B	C8orf37	CALR
BEX4	BOLA3	C10orf11	C9	CALR3
BFSP1	BPGM	C10orf137	C9orf72	CAMK4
BFSP2	BPI	C10orf2	CA1	CAMKK1
BHLHA9	BPIFA1	C12orf10	CA12	CAMKK2
BHLHE41	BPY2	C12orf57	CA2	CAMP
BHMT	BRAF	C12orf65	CA4	CAMTA1
BICC1	BRAP	C19orf12	CA6	CANT1
BICD1	BRAT1	C1GALT1	CA8	CAPN10
BIN1	BRCA1	C1QA	CABIN1	CAPN13
BIRC5	BRCA2	C1QB	CABP4	CAPN3
BLK	BRCC3	C1QC	CACNA1A	CARD14
BLM	BRD1	C1QTNF5	CACNA1C	CARD8
BLMH	BRIP1	C1R	CACNA1D	CARD9
BLNK	BRSK2	C1S	CACNA1E	CARTPT
BLOC1S3	BRWD1	C2	CACNA1F	CASC16
BLOC1S6	BRWD3	C2orf71	CACNA1G	CASC5
BLVRA	BSCL2	C3	CACNA1H	CASK
BMI1	BSG	C3AR1	CACNA1S	CASP1
BMP1	BSND	C4A	CACNA2D1	CASP10
BMP10	BST1	C4B	CACNA2D3	CASP12
BMP15	BTAF1	C4BPA	CACNA2D4	CASP2
BMP2	BTBD9	C5	CACNB2	CASP3
BMP2K	BTC	C5AR2	CACNB4	CASP5
BMP4	BTD	C5orf42	CACNG2	CASP8
BMP5	BTK	C6	CADM1	CASP9
BMP7	BTLA	C6orf15	CALCA	CASQ2
BMPER	BTN1A1	C7	CALCR	CASR
BMPR1A	BTN2A1	C7orf10	CALHM1	CAST

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CAT	CCKBR	CD22	CDAN1	CDT1
CATSPER1	CCL11	CD226	CDC42BPB	CDY1
CATSPER2	CCL13	CD24	CDC6	CDY2A
CATSPER3	CCL17	CD244	CDC73	CEACAM16
CATSPER4	CCL2	CD247	CDH1	CEBPA
CAV1	CCL22	CD27	CDH12	CEBPE
CAV3	CCL26	CD2AP	CDH13	CEL
CBFB	CCL3L1	CD320	CDH15	CELSR1
CBL	CCL4L1	CD36	CDH23	CENPJ
CBLB	CCL5	CD38	CDH3	CEP135
CBR1	CCL7	CD3D	CDH5	CEP152
CBR3	CCM2	CD3E	CDH8	CEP290
CBS	CCNA2	CD3EAP	CDHR1	CEP41
CBX2	CCND1	CD3G	CDK11A	CEP57
CBX4	CCR1	CD4	CDK4	CEP63
CC2D1A	CCR2	CD40	CDK5R1	CEP68
CC2D2A	CCR3	CD40LG	CDK5RAP2	CEP85L
CCBE1	CCR5	CD44	CDK5RAP3	CER1
CCDC103	CCR6	CD46	CDK7	CERKL
CCDC14	CCR7	CD5	CDKL3	CERS6
CCDC170	CCRL2	CD55	CDKL5	CES1
CCDC22	CCT5	CD58	CDKN1A	CES2
CCDC28B	CD109	CD59	CDKN1B	CETP
CCDC39	CD14	CD72	CDKN1C	CFB
CCDC40	CD151	CD79A	CDKN2A	CFC1
CCDC50	CD177	CD79B	CDKN2B	CFD
CCDC8	CD19	CD81	CDKN2B- AS1	CFH
CCDC88C	CD1A	CD86	CDKN2C	CFHR1
CCHCR1	CD1E	CD8A	CDON	CFHR2
CCK	CD207	CD96	CDSN	CFHR3
CCKAR	CD209	CDA		CFHR4

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CFHR5	CHRFAM7A	CISH	CLRN1	COG1
CFI	CHRM1	CITED2	CLSTN2	COG4
CFL2	CHRM2	CKM	CLTCL1	COG5
CFLAR	CHRM3	CLCA1	CLU	COG6
CFP	CHRNA1	CLCA2	CLUL1	COG7
CFTR	CHRNA2	CLCF1	CLYBL	COG8
CGA	CHRNA3	CLCN1	CMA1	COL10A1
CGB	CHRNA4	CLCN2	CMPK1	COL11A1
CHAT	CHRNA5	CLCN5	CNBP	COL11A2
CHD1L	CHRNA7	CLCN7	CNDP1	COL12A1
CHD2	CHRNA9	CLCNKA	CNGA1	COL17A1
CHD3	CHRNB1	CLCNKB	CNGA3	COL18A1
CHD6	CHRNB2	CLDN1	CNGB1	COL1A1
CHD7	CHRNB4	CLDN14	CNGB3	COL1A2
CHD8	CHRND	CLDN16	CNKSR1	COL25A1
CHDH	CHRNE	CLDN19	CNKSR2	COL2A1
CHEK2	CHRNG	CLEC11A	CNNM2	COL3A1
CHFR	CHST14	CLEC2D	CNNM4	COL4A1
CHGA	CHST3	CLEC4M	CNOT3	COL4A2
CHGB	CHST6	CLEC7A	CNOT4	COL4A3
CHI3L1	CHST8	CLIC2	CNPY3	COL4A4
CHI3L2	CHSY1	CLK2	CNR1	COL4A5
CHIA	CHUK	CLMP	CNR2	COL4A6
CHIT1	CIB2	CLN3	CNTF	COL5A1
CHKB	CIC	CLN5	CNTN1	COL5A2
CHL1	CIDEA	CLN6	CNTN4	COL6A1
CHM	CIDEC	CLN8	CNTNAP2	COL6A2
CHMP2B	CIITA	CLNK	CNTNAP4	COL6A3
CHMP4B	CILP	CLOCK	CNTNAP5	COL6A4P2
CHN1	CIRH1A	CLPS	COA5	COL6A5
CHRD1	CISD2	CLPTM1	COCH	COL7A1

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COL8A2	CPOX	CRYGB	CTF1	CXCR4
COL9A1	CPS1	CRYGC	CTGF	CY5A
COL9A2	CPT1A	CRYGD	CTH	CY5R3
COL9A3	CPT1B	CRYGEP	CTHRC1	CYBA
COLEC11	CPT2	CRYGS	CTLA4	CYBB
COLQ	CPZ	CRYM	CTNNA3	CYBRD1
COMMD1	CR1	CSAG1	CTNNB1	CYCS
COMP	CR2	CSDE1	CTNND1	CYLD
COMT	CRADD	CSF1	CTNS	CYP11A1
COQ2	CRB1	CSF1R	CTRC	CYP11B1
COQ4	CRBN	CSF2	CTSA	CYP11B2
COQ5	CREB1	CSF2RA	CTSB	CYP17A1
COQ6	CREB3L3	CSF2RB	CTSC	CYP19A1
COQ9	CREBBP	CSF3R	CTSD	CYP1A1
CORIN	CRELD1	CSGALNACT 1	CTSG	CYP1A2
CORO1A	CRH	CSH1	CTSK	CYP1B1
COX10	CRHR1	CSMD1	CTSZ	CYP21A2
COX14	CRISP2	CSMD3	CTTNBP2	CYP24A1
COX15	CRK	CSNK1A1L	CUBN	CYP26A1
COX4I1	CRKL	CSNK1D	CUL3	CYP26B1
COX4I2	CRLF1	CSNK1E	CUL4B	CYP27A1
COX6B1	CRP	CSNK2A2	CUL5	CYP27B1
COX7A1	CRTAP	CSNK2A3	CUL7	CYP2A13
COX7A2	CRX	CSR3P	CX3CR1	CYP2A6
CP	CRYAA	CST3	CXCL10	CYP2B6
CPA4	CRYAB	CSTA	CXCL11	CYP2C18
CPA6	CRYBA1	CSTB	CXCL12	CYP2C19
CPB2	CRYBA4	CSTF2T	CXCL16	CYP2C8
CPE	CRYBB1	CTC1	CXCL5	CYP2C9
CPLX2	CRYBB2	CTDP1	CXCR1	CYP2D6
CPN1	CRYBB3		CXCR3	CYP2D7P1

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CYP2E1	DAZ1	DDX3Y	DHX37	DMD
CYP2F1	DAZ2	DDX5	DIABLO	DMGDH
CYP2G1P	DAZ3	DDX53	DIAPH1	DMP1
CYP2J2	DAZL	DDX58	DIAPH2	DMPK
CYP2R1	DBH	DEAF1	DIAPH3	DMRT1
CYP2W1	DBI	DEC1	DICER1	DMXL1
CYP3A4	DBT	DECR1	DIO1	DNAAF1
CYP3A43	DCAF13	DEFB1	DIO2	DNAAF2
CYP3A5	DCAF17	DEFB126	DIP2A	DNAAF3
CYP3A5P1	DCC	DEFB4A	DIP2B	DNAH11
CYP3A7	DCDC2	DES	DIP2C	DNAH5
CYP46A1	DCK	DFNA5	DIRC2	DNAH9
CYP4A11	DCLK1	DFNB31	DIS3L2	DNAI1
CYP4A22	DCLRE1C	DFNB59	DISC1	DNAI2
CYP4B1	DCN	DGAT1	DISP1	DNAJA4
CYP4F12	DCP1B	DGCR14	DKC1	DNAJB2
CYP4F2	DCTD	DGCR2	DKK2	DNAJB6
CYP4F22	DCTN1	DGCR5	DKK3	DNAJC19
CYP4F3	DCX	DGCR6	DLAT	DNAJC5
CYP4V2	DCXR	DGCR8	DLD	DNAJC6
CYP7A1	DDAH1	DGKD	DLG3	DNAL1
CYP7B1	DDAH2	DGUOK	DLG5	DNASE1
CYSLTR1	DDB2	DHCR24	DLGAP2	DNASE1L3
CYSLTR2	DDC	DHCR7	DLGAP3	DNASE2
D2HGDH	DDOST	DHDDS	DLL1	DND1
DAG1	DDR1	DHFR	DLL3	DNM1
DAO	DDR2	DHH	DLX3	DNM1L
DAOA	DDX11	DHODH	DLX5	DNM2
DAPK1	DDX20	DHRS4L1	DLX6	DNMT1
DARC	DDX25	DHX16	DMBT1	DNMT3A
DARS2	DDX39B	DHX36	DMC1	DNMT3B



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DNMT3L	DSG4	EDN1	EIF4G1	EPHA2
DOC2A	DSP	EDN2	ELAC2	EPHA3
DOCK3	DSPP	EDN3	ELANE	EPHA5
DOCK4	DST	EDNRA	ELAVL2	EPHA7
DOCK6	DTNA	EDNRB	ELF4	EPHB2
DOCK8	DTNBP1	EEF1B2	ELK1	EPHB6
DOCK9	DUOX2	EEF2K	ELN	EPHX1
DOK7	DUOXA2	EFCAB5	ELOVL4	EPHX2
DOLK	DUSP23	EFEMP1	ELP2	EPM2A
DPAGT1	DUX4	EFEMP2	ELP4	EPO
DPM1	DXO	EFHC1	EMC4	EPOR
DPM3	DYM	EFHC2	EMD	EPX
DPP10	DYNC1H1	EFNB1	EME1	ERAP1
DPP6	DYNC2H1	EFR3A	EMG1	ERAP2
DPY19L2	DYRK1A	EFTUD2	EMX2	ERBB2
DPYD	DYSF	EGF	EN2	ERBB3
DPYS	DYX1C1	EGFR	ENAM	ERBB4
DPYSL2	DYX1C1- CCPG1	EGLN1	ENG	ERCC1
DRD1	EARS2	EGR2	ENO1	ERCC2
DRD2	EBAG9	EGR3	ENO3	ERCC3
DRD3	EBP	EHD2	ENPP1	ERCC4
DRD4	ECE1	EHMT1	ENSA	ERCC5
DRD5	ECI1	EHMT2	ENTPD1	ERCC6
DROSHA	ECM1	EIF2AK3	EOMES	ERCC8
DRP2	ECM2	EIF2B1	EP300	ERLIN2
DSC2	ECSIT	EIF2B2	EPAS1	ERMAP
DSC3	EDA	EIF2B3	EPB41	ESAM
DSCAM	EDA2R	EIF2B4	EPB41L1	ESCO2
DSCR8	EDAR	EIF2B5	EPB42	ESPN
DSG1	EDARADD	EIF3H	EPC2	ESR1
DSG2		EIF4E	EPCAM	ESR2

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ESRRB	F5	FANCE	FCGR3A	FGFR1
ESRRG	F7	FANCF	FCGR3B	FGFR2
ETFA	F8	FANCG	FCGRT	FGFR3
ETFB	F9	FANCI	FCN2	FGFR4
ETFDH	FA2H	FANCL	FCN3	FGFRL1
ETHE1	FAAH	FANCM	FCRL3	FGG
ETNPPL	FAAH2	FARS2	FDFT1	FH
ETS1	FABP1	FAS	FECH	FHL1
EVC	FABP2	FASLG	FEM1A	FHL2
EVC2	FABP3	FASN	FEN1	FIG4
EVI5	FABP4	FASTKD2	FERMT1	FIGLA
EXO1	FABP6	FBLIM1	FERMT3	FIP1L1
EXO5	FABP7	FBLN1	FEV	FKBP10
EXOC4	FADD	FBLN5	FEZF2	FKBP14
EXOSC3	FADS2	FBN1	FFAR1	FKBP5
EXT1	FAH	FBN2	FFAR4	FKBP6
EXT2	FAM120A	FBN3	FGA	FKBPL
EXTL3	FAM126A	FBP1	FGB	FKRP
EYA1	FAM134B	FBXL6	FGD1	FKTN
EYA4	FAM161A	FBXO10	FGD3	FLCN
EYS	FAM205A	FBXO18	FGD4	FLG
EZH2	FAM20A	FBXO7	FGF1	FLNA
F10	FAM20C	FBXW11	FGF10	FLNB
F11	FAM58A	FBXW4	FGF14	FLNC
F12	FAM83H	FBXW7	FGF2	FLT1
F13A1	FAM8A1	FCAR	FGF20	FLT3
F13B	FAM91A1	FCER1A	FGF23	FLT4
F2	FANCA	FCER2	FGF3	FLVCR1
F2R	FANCB	FCGR1A	FGF8	FLVCR2
F2RL1	FANCC	FCGR2A	FGF9	FMN1
F3	FANCD2	FCGR2B	FGFBP1	FMN2

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FMO1	FPR1	FUT7	GAK	GBGT1
FMO2	FPR2	FUT8	GAL3ST3	GC
FMO3	FRA10AC1	FUZ	GALC	GCDH
FMO4	FRAS1	FXN	GALE	GCGR
FMO5	FREM1	FXYD2	GALK1	GCH1
FMO6P	FREM2	FXYD6	GALNS	GCK
FMR1	FREM3	FYCO1	GALNT12	GCKR
FN1	FRG1	FZD1	GALNT18	GCLC
FN3K	FRK	FZD3	GALNT2	GCLM
FOLH1	FRMD6	FZD4	GALNT3	GCM2
FOLR1	FRMD7	FZD6	GALNT9	GCNT2
FOXA1	FRMPD4	FZD9	GALNTL5	GCSH
FOXA2	FRY	G6PC	GALP	GDAP1
FOXA3	FRZB	G6PC2	GALT	GDF1
FOXC1	FSCB	G6PC3	GAMT	GDF15
FOXC2	FSCN2	G6PD	GAN	GDF3
FOXD3	FSHB	GAA	GAP43	GDF5
FOXE1	FSHR	GAB2	GARS	GDF6
FOXE3	FTCD	GABBR1	GAS1	GDF9
FOXF1	FTH1	GABRA1	GAS2L2	GDI1
FOXF2	FTHL17	GABRA5	GAS6	GDNF
FOXG1	FTL	GABRA6	GATA1	GEMIN2
FOXH1	FTO	GABRB3	GATA2	GEMIN4
FOXI1	FTSJ1	GABRD	GATA3	GFAP
FOXL2	FUCA1	GABRG1	GATA4	GFER
FOXN1	FURIN	GABRG2	GATA6	GFI1
FOXP1	FUS	GABRG3	GATAD1	GFI1B
FOXP2	FUT1	GABRR2	GATM	GFM1
FOXP3	FUT2	GAD1	GBA	GFPT1
FOXRED1	FUT3	GAD2	GBA3	GFPT2
FPGS	FUT6	GADD45B	GBE1	GFRA1

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GGCX	GLA	GNB1L	GPD2	GRIN2B
GGH	GLB1	GNB3	GPHN	GRIN3A
GGT5	GLCCI1	GNB5	GPI	GRIP1
GH1	GLDC	GNE	GPIHBP1	GRK1
GH2	GLE1	GNMT	GPR1	GRK4
GHR	GLI1	GNPAT	GPR12	GRK5
GHRH	GLI2	GNPTAB	GPR139	GRM1
GHRHR	GLI3	GNPTG	GPR143	GRM3
GHRL	GLIS2	GNRH1	GPR179	GRM5
GHSR	GLIS3	GNRHR	GPR33	GRM6
GIF	GLMN	GNS	GPR55	GRM7
GIGYF2	GLO1	GOLGA3	GPR56	GRM8
GIMAP8	GLP1R	GOLGA5	GPR68	GRN
GIP	GLRA1	GON4L	GPR98	GRPR
GIPC3	GLRB	GORAB	GPS1	GRXCR1
GIPR	GLRX5	GOSR2	GPSM2	GSC
GIT1	GLS	GOT1	GPT	GSDMA
GJA1	GLTSCR1	GP1BA	GPX1	GSDMB
GJA3	GLUD1	GP1BB	GPX4	GSE1
GJA4	GLUD2	GP2	GRB10	GSK3B
GJA5	GLUL	GP6	GREM1	GSN
GJA8	GLYCTK	GP9	GRHL2	GSPT1
GJB1	GM2A	GPAM	GRHPR	GSPT2
GJB2	GMIP	GPANK1	GRIA3	GSR
GJB3	GNA14	GPATCH8	GRID1	GSS
GJB4	GNAI2	GPBAR1	GRIK1	GSTA1
GJB6	GNAQ	GPC3	GRIK2	GSTA2
GJC2	GNAS	GPC4	GRIK3	GSTA3
GJC3	GNAS-AS1	GPC6	GRIK4	GSTK1
GJD2	GNAT1	GPD1	GRIN1	GSTM1
GK	GNAT2	GPD1L	GRIN2A	GSTM3

## TruSight One Gene List

GSTM4	HABP2	HCP5	HIP1	HMSD
GSTO1	HACE1	HCRT	HIST1H2AE	HMX1
GSTO2	HADH	HCRTR1	HIST3H3	HMX2
GSTP1	HADHA	HCRTR2	HK1	HNF1A
GSTT1	HADHB	HDAC4	HK2	HNF1B
GSTT2	HAL	HDAC8	HLA-A	HNF4A
GSTT2B	HAMP	HDAC9	HLA-B	HNMT
GSTZ1	HAND1	HDC	HLA-C	HNRNPH3
GTDC2	HAND2	HDLBP	HLA-DMB	HNRNPU
GTF2E1	HARS	HDX	HLA-DOA	HOGA1
GTF2H1	HARS2	HEATR2	HLA-DPB1	HOMER2
GTF2H5	HAS1	HELQ	HLA-DPB2	HOXA1
GTF2IRD1	HAVCR1	HEPACAM	HLA-DQA1	HOXA10
GTF2IRD2	HAX1	HERC2	HLA-DQB1	HOXA11
GUCA1A	HBA1	HES6	HLA-DRA	HOXA13
GUCA1B	HBA2	HES7	HLA-DRB1	HOXA2
GUCY2C	HBB	HESX1	HLA-DRB5	HOXA4
GUCY2D	HBD	HEXA	HLA-E	HOXB13
GUSB	HBE1	HEXB	HLA-G	HOXB6
GYG1	HBEGF	HEY1	HLCS	HOXD10
GYLTL1B	HBG1	HFE	HLX	HOXD13
GYPA	HBG2	HFE2	HMBS	HOXD4
GYPB	HBM	HGD	HMCN1	HP
GYPE	HBS1L	HGF	HMGA1	HPD
GYPE	HBZ	HGSNAT	HMGA2	HPGD
GYS1	HCCS	HHEX	HMGCL	HPRT1
GYS2	HCK	HHIP	HMGCR	HPS1
GZMB	HCLS1	HIBCH	HMGCS2	HPS3
H19	HCN1	HIF1A	HMHA1	HPS4
H2BFWT	HCN2	HIF1AN	HMOX1	HPS5
H6PD	HCN4	HIGD2A	HMOX2	HPS6

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HPSE2	HSPB3	ICAM1	IFT43	IL16
HR	HSPB6	ICAM4	IFT80	IL17A
HRAS	HSPB7	ICAM5	IGBP1	IL17F
HRC	HSPB8	ICK	IGF1	IL17RA
HRG	HSPD1	ICOS	IGF1R	IL17RB
HRH2	HSPG2	ID3	IGF2	IL17REL
HRH3	HTN3	IDE	IGF2R	IL18
HS1BP3	HTR1A	IDH1	IGFALS	IL18R1
HS6ST1	HTR1B	IDH2	IGFBP1	IL18RAP
HSD11B1	HTR2A	IDH3B	IGFBP3	IL19
HSD11B2	HTR2B	IDO1	IGFBP5	IL1A
HSD17B1	HTR2C	IDS	IGFBP7	IL1B
HSD17B10	HTR3A	IDUA	IGHA1	IL1R1
HSD17B2	HTR3B	IER3IP1	IGHG2	IL1RAPL1
HSD17B3	HTR3C	IFI30	IGHM	IL1RL1
HSD17B4	HTR3E	IFI44L	IGHMBP2	IL1RN
HSD3B1	HTR5A	IFIH1	IGKV	IL2
HSD3B2	HTR6	IFITM3	IGLL1	IL20RA
HSD3B7	HTR7	IFITM5	IHH	IL20RB
HSF4	HTRA1	IFNA10	IKBIP	IL21
HSFY1	HTRA2	IFNA17	IKBKAP	IL21R
HSN2	HTT	IFNA2	IKBKG	IL23R
HSP90AA1	HUS1B	IFNAR1	IL10	IL2RA
HSP90B1	HUWE1	IFNAR2	IL10RA	IL2RG
HSPA1A	HVCN1	IFNG	IL10RB	IL3
HSPA1B	HYAL1	IFNGR1	IL11RA	IL31RA
HSPA1L	HYDIN	IFNGR2	IL12A	IL36RN
HSPA5	HYLS1	IFNL3	IL12B	IL4
HSPA8	HYMAI	IFRD1	IL12RB1	IL4R
HSPA9	IAPP	IFT122	IL12RB2	IL5
HSPB1	IBSP	IFT140	IL13	IL6

## TruSight One Gene List

IL6R	IRAK1	ITGB2	KARS	KCNK9
IL7	IRAK3	ITGB3	KAT6B	KCNMA1
IL7R	IRAK4	ITGB4	KATNAL2	KCNMB1
IL8	IRF1	ITIH1	KBTBD13	KCNMB3
IL9	IRF2	ITIH3	KCNA1	KCNN3
IL9R	IRF4	ITIH4	KCNA3	KCNQ1
ILDR1	IRF5	ITIH6	KCNA5	KCNQ2
ILK	IRF6	ITK	KCNAB2	KCNQ3
IMMP2L	IRF7	ITM2B	KCNC3	KCNQ4
IMMT	IRF8	ITPA	KCND2	KCNS1
IMPA2	IRGM	ITPKC	KCND3	KCNS3
IMPAD1	IRS1	ITPR1	KCNE1	KCNV2
IMPDH1	IRS2	ITPR3	KCNE1L	KCTD13
IMPDH2	IRS4	ITSN2	KCNE2	KCTD7
IMPG2	IRX4	IVD	KCNE3	KDM4C
INF2	IRX5	IYD	KCNE4	KDM5A
INHA	ISCU	JAG1	KCNH2	KDM5C
INMT	ISL1	JAG2	KCNIP4	KDM5D
INPP4A	ISPD	JAK2	KCNJ1	KDM6A
INS	ISYNA1	JAK3	KCNJ10	KDM6B
INSIG1	ITCH	JAM3	KCNJ11	KDR
INSIG2	ITGA11	JMJD1C	KCNJ13	KEL
INSL3	ITGA2	JPH2	KCNJ15	KERA
INSL6	ITGA2B	JPH3	KCNJ2	KHDC3L
INSR	ITGA3	JRK	KCNJ3	KHK
INVS	ITGA4	JUN	KCNJ5	KIAA0100
IQCB1	ITGA6	JUP	KCNJ6	KIAA0196
IQGAP1	ITGA7	KAL1	KCNJ8	KIAA0226
IQGAP2	ITGA9	KALRN	KCNJ9	KIAA0232
IQGAP3	ITGAE	KANK1	KCNK18	KIAA0319
IQSEC2	ITGAM	KANSL1	KCNK6	KIAA0513

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KIAA1033	KLF1	KRT16	LAMB1	LETM1
KIAA1199	KLF10	KRT17	LAMB2	LFNG
KIAA1279	KLF11	KRT18	LAMB3	LGALS13
KIAA1377	KLF5	KRT2	LAMC1	LGALS2
KIAA1432	KLF6	KRT3	LAMC2	LGALS3
KIAA1462	KLF7	KRT31	LAMC3	LGI1
KIAA2022	KLHDC8B	KRT37	LAMP2	LHB
KIF11	KLHL10	KRT38	LAMTOR2	LHCGR
KIF17	KLHL3	KRT4	LARGE	LHFPL5
KIF18A	KLHL7	KRT5	LARS2	LHX1
KIF1A	KLHL9	KRT6A	LBP	LHX3
KIF1B	KLK1	KRT6B	LBR	LHX4
KIF21A	KLK12	KRT6C	LCA5	LHX8
KIF22	KLK15	KRT74	LCAT	LIAS
KIF5A	KLK3	KRT75	LCE3B	LIF
KIF5B	KLK4	KRT8	LCE3C	LIFR
KIF6	KLK7	KRT81	LCE5A	LIG1
KIF7	KLKB1	KRT83	LCN10	LIG3
KIFAP3	KLRK1	KRT85	LCT	LIG4
KIR2DL1	KMT2C	KRT86	LDB3	LILRA3
KIR2DL3	KMT2D	KRT9	LDHA	LIM2
KIR2DL4	KMT2E	KRTAP1-1	LDHB	LIMK1
KIR3DL1	KNG1	KYNU	LDLR	LIN28A
KIR3DL2	KPNA1	L1CAM	LDLRAD4	LIN28B
KIRREL3	KRAS	L2HGDH	LDLRAP1	LINS
KISS1	KRIT1	L3MBTL1	LEFTY2	LIPA
KISS1R	KRT1	LAMA1	LEMD3	LIPC
KIT	KRT10	LAMA2	LEP	LIPE
KITLG	KRT12	LAMA3	LEPR	LIPG
KL	KRT13	LAMA4	LEPRE1	LIPH
KLB	KRT14	LAMA5	LEPREL1	LIPI



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LIPN	LRP2	MAD2L1	MASP1	MCPH1
LITAF	LRP4	MADD	MASP2	MDH1
LLGL1	LRP5	MAF	MAST4	MDM2
LMAN1	LRP6	MAFB	MASTL	MDM4
LMBR1	LRP8	MAGEE2	MAT1A	MDN1
LMBRD1	LRPAP1	MAGEL2	MATN3	MECP2
LMF1	LRPPRC	MAGI2	MATR3	MED12
LMNA	LRRC4	MAGT1	MAVS	MED13
LMNB1	LRRC6	MAK	MAX	MED13L
LMNB2	LRRC8A	MAMLD1	MBD1	MED17
LMTK3	LRRK2	MAN1A2	MBD3	MED23
LMX1B	LRSAM1	MAN1B1	MBD4	MED25
LNX2	LRTOMT	MAN2B1	MBD5	MEF2A
loc344967	LTA	MANBA	MBL2	MEF2C
LOR	LTBP1	MAOA	MBTPS2	MEFV
LOX	LTBP2	MAOB	MC1R	MEGF10
LOXHD1	LTBP3	MAP2	MC2R	MEGF11
LOXL1	LTBP4	MAP2K1	MC3R	MEIS1
LOXL2	LTC4S	MAP2K2	MC4R	MEIS2
LPA	LTF	MAP2K3	MCCC1	MEN1
LPAR1	LTK	MAP2K4	MCCC2	MEP1B
LPAR6	LTN1	MAP3K1	MCEE	MERTK
LPIN1	LUM	MAP3K15	MCF2L2	MESDC2
LPIN2	LY96	MAP4K5	MCFD2	MESP2
LPIN3	LYN	MAP6	MCHR1	MEST
LPL	LYST	MAP7D3	MCL1	MET
LPP	LYZ	MAPK10	MCM3AP	MFF
LRAT	LZTFL1	MAPK8IP1	MCM4	MFGE8
LRCH1	LZTS1	MAPT	MCM5	MFI2
LRFN5	MACROD2	MARS2	MCM6	MFN2
LRP1	MAD1L1	MARVELD2	MCOLN1	MFRP

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MFSD2A	MIR184	MMACHC	MPP4	MST1R
MFSD8	MIR191	MMADHC	MPP6	MSTN
MGAT1	MIR196A2	MME	MPP7	MSX1
MGAT2	MIR206	MMEL1	MPST	MSX2
MGAT4C	MIR24-1	MMP1	MPV17	MT1A
MGEA5	MIR27A	MMP10	MPZ	MT2A
MGLL	MIR2861	MMP12	MR1	MTAP
MGMT	MIR30C1	MMP13	MRAP	MTCH2
MGP	MIR34B	MMP14	MRC1	MTFMT
MGST2	MIR499A	MMP2	MRE11A	MTHFD1
MGST3	MIR502	MMP20	MRPL3	MTHFD1L
MIA3	MIR510	MMP3	MRPL48	MTHFR
MIAT	MIR890	MMP7	MRPS16	MTHFS
MICA	MIR892B	MMP8	MRPS22	MTM1
MICB	MIR934	MMP9	MRRF	MTMR14
MID1	MIR96	MNX1	MS4A1	MTMR2
MIF	MIRLET7E	MOCOS	MS4A12	MTMR9
MIIP	MITF	MOCS1	MS4A2	MTNR1A
MINPP1	MKKS	MOCS2	MS4A3	MTNR1B
MIP	MKL1	MOG	MS4A6A	MTO1
MIPOL1	MKRN3	MOGS	MS4A6E	MTPAP
MIR106B	MKS1	MOK	MSH2	MTR
MIR124-1	MLC1	MPDU1	MSH3	MTRR
MIR125A	MLH1	MPDZ	MSH4	MTTP
MIR126	MLH3	MPG	MSH5	MTUS1
MIR140	MLLT3	MPHOSPH8	MSH6	MUC1
MIR146A	MLPH	MPI	MSMB	MUC13
MIR16-1	MLXIPL	MPL	MSMO1	MUC2
MIR17	MLYCD	MPLKIP	MSR1	MUC3A
MIR17HG	MMAA	MPO	MSRB3	MUC4
MIR182	MMAB	MPP3	MST1	MUC5B

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MUC6	MYLK2	NAT1	NDUFA12	NEB
MUC7	MYO15A	NAT2	NDUFA13	NEBL
MURC	MYO18B	NAT8L	NDUFA2	NEDD4L
MUSK	MYO1A	NAV2	NDUFA4	NEDD9
MUT	MYO1C	NBAS	NDUFA6	NEFH
MUTYH	MYO1E	NBEA	NDUFA7	NEFL
MVK	MYO1F	NBEAL2	NDUFA8	NEFM
MX1	MYO3A	NBN	NDUFA9	NEGR1
MYB	MYO5A	NBPF1	NDUFAF1	NEIL1
MYBL2	MYO5B	NCALD	NDUFAF2	NEIL2
MYBPC1	MYO6	NCAM1	NDUFAF3	NEK1
MYBPC3	MYO7A	NCAN	NDUFAF4	NEK8
MYC	MYO7B	NCAPD2	NDUFAF5	NELFA
MYCL	MYO9B	NCF1	NDUFAF6	NELL1
MYCN	MYOC	NCF2	NDUFAF7	NEU1
MYD88	MYOCD	NCF4	NDUFB1	NEU2
MYF6	MYOM1	NCKAP1	NDUFB3	NEUROD1
MYH11	MYOT	NCOA1	NDUFB6	NEUROG3
MYH13	MYOZ2	NCOA3	NDUFB9	NEXN
MYH14	MYPN	NCR3	NDUFC2	NF1
MYH15	MYT1	NCS1	NDUFS1	NF2
MYH2	MYT1L	NCSTN	NDUFS2	NFATC4
MYH3	NAA10	NDE1	NDUFS3	NFE2L2
MYH6	NAGA	NDN	NDUFS4	NFIA
MYH7	NAGLU	NDOR1	NDUFS5	NFIX
MYH8	NAGPA	NDP	NDUFS6	NFKB1
MYH9	NAGS	NDRG1	NDUFS7	NFKBIA
MYL2	NAIP	NDST1	NDUFS8	NFKBIL1
MYL3	NAMPT	NDUFA1	NDUFV1	NFU1
MYLIP	NAPRT1	NDUFA10	NDUFV2	NGF
MYLK	NARS2	NDUFA11	NDUFV3	NGFR

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NHEJ1	NME1	NPHS1	NRAS	NUP155
NHLRC1	NME8	NPHS2	NRG1	NUP62
NHP2	NMNAT1	NPL	NRG3	NXF3
NHS	NMT2	NPM1	NRIP1	NXF5
NID1	NMU	NPPA	NRL	NXNL1
NINJ1	NOBOX	NPPB	NRP2	NYX
NIPA1	NOD1	NPPC	NRTN	OAS1
NIPAL4	NOD2	NPR1	NRXN1	OAS2
NIPBL	NODAL	NPR2	NRXN2	OAT
NIPSNAP1	NOG	NPR3	NRXN3	OAZ1
NIPSNAP3A	NOP10	NPSR1	NSD1	OBSCN
NKAIN2	NOP56	NPTN	NSDHL	OBSL1
NKX2-1	NOS1	NPY	NSMF	OCA2
NKX2-3	NOS1AP	NPY1R	NSUN2	OCLN
NKX2-5	NOS2	NPY2R	NSUN7	OCRL
NKX2-6	NOS3	NQO1	NT5C1B	ODC1
NKX3-1	NOTCH1	NQO2	NT5C3A	OFD1
NKX3-2	NOTCH2	NR0B1	NT5E	OGG1
NLGN1	NOTCH3	NR0B2	NTF3	OLFM2
NLGN2	NOTCH4	NR1H2	NTF4	OLR1
NLGN3	NPAP1	NR1H3	NTHL1	OMG
NLGN4X	NPAS2	NR1H4	NTNG1	OPA1
NLGN4Y	NPAS3	NR1I2	NTRK1	OPA3
NLRP1	NPAT	NR1I3	NTRK2	OPCML
NLRP12	NPC1	NR2E1	NTRK3	OPHN1
NLRP14	NPC1L1	NR2E3	NUAK1	OPN1LW
NLRP2	NPC2	NR2F1	NUBPL	OPN1MW
NLRP3	NPFFR2	NR3C1	NUDC	OPN1SW
NLRP7	NPHP1	NR3C2	NUDT1	OPN4
NLRX1	NPHP3	NR4A2	NUDT6	OPRD1
NMB	NPHP4	NR5A1	NUMBL	OPRK1

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OPRL1	PACRG	PCCA	PDE7B	PEX13
OPRM1	PAFAH1B1	PCCB	PDE8B	PEX14
OPTC	PAFAH1B3	PCDH11X	PDGFB	PEX16
OPTN	PAH	PCDH15	PDGFC	PEX19
OR13G1	PAK3	PCDH18	PDGFRA	PEX2
OR7D4	PAK7	PCDH19	PDHA1	PEX26
ORAI1	PALB2	PCDH9	PDHB	PEX3
ORC1	PALLD	PCDHA10	PDHX	PEX5
ORC4	PANK2	PCDHA13	PDLIM3	PEX6
ORC6	PAPD7	PCDHB4	PDLIM5	PEX7
ORMDL3	PAPSS2	PCK1	PDP1	PFAS
OSMR	PARD3B	PCK2	PDPK1	PFKM
OSR1	PARD6A	PCM1	PDSS1	PFN1
OSTM1	PARK2	PCMT1	PDSS2	PGAM1
OTC	PARK7	PCNT	PDX1	PGAM2
OTOA	PARL	PCOLCE	PDXK	PGAM5
OTOF	PARP1	PCSK1	PDYN	PGBD1
OTOR	PARP2	PCSK2	PDZD7	PGC
OTX2	PASK	PCSK9	PEAR1	PGD
OVGP1	PAWR	PDCD1	PECAM1	PGK1
OXCT1	PAX1	PDCD10	PECR	PGM1
OXTR	PAX2	PDCD5	PEMT	PGR
P2RX1	PAX3	PDE10A	PENK	PGRMC1
P2RX4	PAX4	PDE11A	PEPD	PHB
P2RX5	PAX5	PDE4B	PER1	PHEX
P2RX7	PAX6	PDE4D	PER2	PHF11
P2RY11	PAX7	PDE6A	PER3	PHF2
P2RY12	PAX8	PDE6B	PEX1	PHF3
P2RY4	PAX9	PDE6C	PEX10	PHF6
PABPC4L	PC	PDE6G	PEX11B	PHF8
PABPN1	PCBD1	PDE6H	PEX12	PHGDH

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PHIP	PIK3R5	PLAU	PMS2P3	PON1
PHKA1	PIKFYVE	PLAUR	PNKD	PON2
PHKA2	PIN1	PLCB1	PNKP	PON3
PHKB	PINK1	PLCB4	PNMT	POP1
PHKG2	PIP4K2A	PLCD1	PNP	POR
PHLDA2	PIP5K1B	PLCE1	PNPLA1	PORCN
PHLPP2	PIP5K1C	PLCG2	PNPLA2	POU1F1
PHOX2A	PITPNM3	PLCZ1	PNPLA3	POU3F4
PHOX2B	PITX1	PLD2	PNPLA6	POU4F3
PHYH	PITX2	PLEC	PNPO	POU5F1
PI3	PITX3	PLEKHG4	POF1B	POU5F1B
PICALM	PIWIL3	PLEKHG5	POGZ	POU6F2
PICK1	PKD1	PLEKHM1	POLB	PPARA
PIEZO2	PKD1L1	PLG	POLD1	PPARD
PIF1	PKD2	PLIN1	POLE2	PPARG
PIGA	PKHD1	PLIN4	POLG	PPARGC1A
PIGL	PKLR	PLN	POLG2	PPARGC1B
PIGM	PKM	PLOD1	POLH	PPAT
PIGN	PKN3	PLOD2	POLL	PPIA
PIGO	PKP1	PLOD3	POLR1C	PPIB
PIGR	PKP2	PLP1	POLR1D	PPIG
PIGV	PLA2G10	PLP2	POLR2E	PPM1D
PIK3C2G	PLA2G2A	PLTP	POLR2M	PPOX
PIK3C3	PLA2G2D	PLXND1	POLR3A	PPP1R1A
PIK3CA	PLA2G4A	PMAIP1	POLR3B	PPP1R3A
PIK3CB	PLA2G4C	PML	POLRMT	PPP1R3C
PIK3CD	PLA2G5	PMM2	POMC	PPP2R1A
PIK3CG	PLA2G6	PMP22	POMGNT1	PPP2R1B
PIK3R1	PLA2G7	PMPCA	POMP	PPP2R2B
PIK3R2	PLAGL1	PMS1	POMT1	PPP2R2C
PIK3R4	PLAT	PMS2	POMT2	PPT1

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PQBP1	PRMT10	PRSS8	PTGER4	PVR
PRB1	PRMT3	PRX	PTGES2	PVRL1
PRB3	PRMT7	PRY	PTGIR	PVRL3
PRB4	PRND	PRY2	PTGIS	PVRL4
PRCD	PRNP	PSAP	PTGS1	PVT1
PRCP	PROC	PSAT1	PTGS2	PWRN1
PRDM2	PROCR	PSCA	PTH	PXDN
PRDM5	PRODH	PSEN1	PTH1R	PYCR1
PRDM9	PROK1	PSEN2	PTHLH	PYCRL
PREPL	PROK2	PSENN	PTK7	PYGL
PRF1	PROKR1	PSMA6	PTPN1	PYGM
PRG4	PROKR2	PSMB8	PTPN11	PYY
PRICKLE1	PROM1	PSMB9	PTPN13	PZP
PRICKLE2	PROP1	PSMC3IP	PTPN14	QDPR
PRKAA2	PROS1	PSMD7	PTPN2	QKI
PRKACA	PROZ	PSPH	PTPN21	RAB11FIP5
PRKAG2	PRPF3	PSPN	PTPN22	RAB18
PRKAG3	PRPF31	PSTPIP1	PTPN6	RAB23
PRKAR1A	PRPF6	PTAFR	PTPRB	RAB27A
PRKCB	PRPF8	PTCD1	PTPRC	RAB28
PRKCG	PRPH	PTCH1	PTPRCAP	RAB2A
PRKCH	PRPH2	PTCH2	PTPRD	RAB39B
PRKCSH	PRPS1	PTCHD1	PTPRF	RAB3GAP1
PRKD3	PRRC2A	PTCHD3	PTPRJ	RAB3GAP2
PRKDC	PRRT2	PTCSC3	PTPRK	RAB40AL
PRKRA	PRRX1	PTEN	PTPRO	RAB7A
PRL	PRSS1	PTF1A	PTPRQ	RAB7L1
PRLHR	PRSS12	PTGDR	PTPRT	RABGGTA
PRLR	PRSS2	PTGDR2	PTRF	RABL6
PRM1	PRSS3P2	PTGDS	PTS	RAC1
PRM2	PRSS56	PTGER2	PUS1	RAC2

## TruSight One Gene List

RAD21	RBM10	RGMA	RNF135	RPL11
RAD21L1	RBM15	RGR	RNF139	RPL21
RAD23B	RBM20	RGS2	RNF168	RPL35A
RAD50	RBM28	RGS6	RNF170	RPL36
RAD51	RBM8A	RGS7	RNF213	RPL5
RAD51C	RBMXL2	RGS9	RNLS	RPN2
RAD51D	RBMX1A1	RGS9BP	RNU4ATAC	RPS10
RAD52	RBP3	RHAG	ROBO1	RPS15
RAD54B	RBP4	RHBDF2	ROBO2	RPS17
RAD54L	RCAN1	RHCE	ROBO3	RPS19
RAD9A	RD3	RHD	ROCK1	RPS24
RAET1L	RDH12	RHO	ROCK2	RPS26
RAF1	RDH5	RHOB	ROGDI	RPS27A
RAG1	RDX	RHOG	ROM1	RPS3
RAG2	RECQL4	RHPN2	ROPN1L	RPS4Y2
RAI1	REEP1	RIMS1	ROR2	RPS6KA3
RALGAPA1	RELN	RIMS3	RORA	RPS6KB1
RALGDS	REN	RIN2	ROS1	RPS6KL1
RANBP2	REPS2	RIPK3	RP1	RPS7
RANGRF	RET	RIPK4	RP1L1	RPTOR
RAPSN	RETN	RLBP1	RP2	RRH
RARS2	REV3L	RMI1	RP9	RRM1
RASA1	RFC2	RMRP	RPA1	RRM2B
RASGRP2	RFT1	RNASE3	RPA4	RRP1B
RASSF1	RFWD2	RNASEH2A	RPE65	RS1
RAX	RFX2	RNASEH2B	RPGR	RSPH4A
RAX2	RFX5	RNASEH2C	RPGRIP1	RSPH9
RB1	RFX6	RNASEL	RPGRIP1L	RSPO1
RB1CC1	RFX8	RNASET2	RPH3AL	RSPO4
RBBP8	RFXANK	RNF113A	RPIA	RSRC1
RBFOX1	RFXAP	RNF114	RPL10	RTN2



## TruSight One Gene List

RTN4R	SBDS	SCRIB	SEPT12	SFTPA2
RUNX1	SBF2	SCT	SEPT9	SFTPB
RUNX2	SBNO1	SCUBE2	SERPINA1	SFTPC
RUNX3	SC5DL	SDC3	SERPINA10	SFTPD
RUVBL1	SCAP	SDCCAG8	SERPINA3	SGCA
RXFP2	SCARB1	SDHA	SERPINA6	SGCB
RXRG	SCARB2	SDHAF1	SERPINA7	SGCD
RYK	SCARF2	SDHAF2	SERPINB11	SGCE
RYR1	SCG2	SDHB	SERPINB3	SGCG
RYR2	SCG3	SDHC	SERPINB5	SGK1
RYR3	SCGB1A1	SDHD	SERPINB6	SGK110
S100A14	SCGB1D2	SEC23A	SERPINC1	SGK223
S100B	SCGB3A2	SEC23B	SERPIND1	SGSH
S1PR1	SCN10A	SEC63	SERPINE1	SH2B1
SAA1	SCN1A	SECISBP2	SERPINF1	SH2B3
SAA2	SCN1B	SEL1L	SERPINF2	SH2D1A
SACS	SCN2A	SELE	SERPING1	SH3BP2
SAG	SCN2B	SELL	SERPINH1	SH3GL1
SAGE1	SCN3A	SELP	SERPINI1	SH3PXD2B
SALL1	SCN3B	SELPLG	SERPINI2	SH3TC2
SALL4	SCN4A	SEMA3A	SERTAD1	SHANK2
SAMD9	SCN4B	SEMA3E	SESN2	SHANK3
SAMHD1	SCN5A	SEMA4A	SETBP1	SHBG
SAR1B	SCN8A	SEMA4C	SETD2	SHFM1
SARDH	SCN9A	SEMA4G	SETD8	SHH
SARS2	SCNN1A	SEMA6D	SETDB2	SHMT1
SART1	SCNN1B	SEMG1	SETX	SHOC2
SART3	SCNN1G	SEP15	SEZ6	SHOX
SAT1	SCO1	SEPN1	SEZ6L2	SHROOM3
SATB2	SCO2	SEPP1	SF3B4	SHROOM4
SATL1	SCP2	SEPSECS	SFTPA1	SI

## TruSight One Gene List

SIAE	SLC16A12	SLC25A15	SLC30A2	SLC5A1
SIGLEC12	SLC16A2	SLC25A19	SLC30A5	SLC5A11
SIGLEC14	SLC16A3	SLC25A20	SLC30A8	SLC5A2
SIGLEC16	SLC17A1	SLC25A22	SLC31A1	SLC5A5
SIGMAR1	SLC17A3	SLC25A3	SLC33A1	SLC5A7
SIL1	SLC17A5	SLC25A38	SLC34A1	SLC6A1
SIM1	SLC17A8	SLC25A39	SLC34A2	SLC6A11
SIPA1	SLC18A1	SLC25A4	SLC34A3	SLC6A12
SIRT1	SLC19A1	SLC26A1	SLC35A1	SLC6A13
SIRT3	SLC19A2	SLC26A10	SLC35C1	SLC6A14
SIRT5	SLC19A3	SLC26A2	SLC35D1	SLC6A18
SIX1	SLC1A1	SLC26A3	SLC35G2	SLC6A19
SIX2	SLC1A2	SLC26A4	SLC36A2	SLC6A2
SIX3	SLC1A3	SLC26A5	SLC37A4	SLC6A20
SIX5	SLC20A2	SLC26A6	SLC39A13	SLC6A3
SIX6	SLC22A1	SLC26A9	SLC39A4	SLC6A4
SKI	SLC22A11	SLC27A4	SLC3A1	SLC6A5
SKIV2L	SLC22A12	SLC27A5	SLC40A1	SLC6A8
SLBP	SLC22A14	SLC28A1	SLC41A1	SLC7A1
SLC10A1	SLC22A2	SLC28A2	SLC44A2	SLC7A10
SLC10A2	SLC22A3	SLC28A3	SLC45A2	SLC7A2
SLC11A1	SLC22A4	SLC29A1	SLC46A1	SLC7A5
SLC11A2	SLC22A5	SLC29A2	SLC47A1	SLC7A7
SLC12A1	SLC22A6	SLC29A3	SLC47A2	SLC7A9
SLC12A3	SLC22A9	SLC29A4	SLC4A1	SLC8A1
SLC12A6	SLC23A1	SLC2A1	SLC4A10	SLC9A3R1
SLC13A2	SLC24A1	SLC2A10	SLC4A11	SLC9A6
SLC14A1	SLC24A2	SLC2A2	SLC4A3	SLC9A9
SLC14A2	SLC24A5	SLC2A4	SLC4A4	SLCO1A2
SLC15A1	SLC25A12	SLC2A9	SLC52A1	SLCO1B1
SLC16A1	SLC25A13	SLC30A10	SLC52A3	SLCO1B3

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SLCO1C1	SMPD1	SOD2	SPATA7	SREK1
SLCO2A1	SMPX	SOD3	SPECC1L	SRGAP2
SLCO2B1	SMS	SOGA3	SPG11	SRGAP3
SLFN5	SMUG1	SOHLH1	SPG20	SRI
SLIT3	SMYD3	SORBS1	SPG21	SRP72
SLITRK1	SNAI2	SORCS1	SPG7	SRPX
SLURP1	SNAP29	SORL1	SPI1	SRPX2
SLX4	SNAPC4	SORT1	SPINK1	SRR
SMAD1	SNAPC5	SOS1	SPINK5	SRY
SMAD2	SNCA	SOST	SPINT2	SSH1
SMAD3	SNCAIP	SOX10	SPP1	SST
SMAD4	SNCB	SOX17	SPR	SSTR2
SMAD6	SNIP1	SOX18	SPRED1	SSTR5
SMAD7	SNORD115-1	SOX2	SPRN	SSX7
SMAD9	SNORD116-10	SOX3	SPRR3	ST14
SMARCA2	SNORD116-1	SOX5	SPRY2	ST3GAL3
SMARCA4	SNORD50A	SOX6	SPRY3	ST3GAL5
SMARCAD1	SNRK	SOX8	SPTA1	ST5
SMARCAL1	SNRNP200	SOX9	SPTAN1	ST7
SMARCB1	SNRPN	SP100	SPTB	ST8SIA2
SMARCE1	SNTA1	SP110	SPTBN2	STAR
SMC1A	SNTG2	SP7	SPTBN5	STAT1
SMC1B	SNURF	SP8	SPTLC1	STAT3
SMC3	SNX10	SPAG16	SPTLC2	STAT5B
SMG1	SNX19	SPAG17	SQSTM1	STAT6
SMG6	SNX3	SPANXN5	SRC	STEAP3
SMN1	SOBP	SPAST	SRCAP	STEAP4
SMN2	SOCS1	SPATA13	SRD5A2	STH
SMNDC1	SOCS3	SPATA16	SRD5A3	STIL
SMOC1	SOD1	SPATA21	SREBF1	STIM1
SMOC2		SPATA31C1	SREBF2	STK10

## TruSight One Gene List

STK11	SUMO1	TAF1	TBL1X	TCTN1
STK19	SUMO4	TAF15	TBL1XR1	TCTN2
STK3	SUN2	TAF1C	TBL1Y	TDGF1
STK32A	SUOX	TAF1L	TBP	TDO2
STK33	SUPT16H	TAF2	TBX1	TDP1
STK39	SURF1	TAF7L	TBX10	TDRD7
STK4	SUV420H1	TAL1	TBX15	TEAD1
STMN1	SV2B	TALDO1	TBX19	TECR
STOX1	SYCP3	TAP1	TBX2	TECTA
STRA6	SYN1	TAP2	TBX20	TEK
STRADA	SYN3	TAPBP	TBX21	TEKT2
STRC	SYNE1	TARDBP	TBX22	TENM4
STS	SYNE2	TAS1R1	TBX3	TEP1
STX11	SYNGAP1	TAS1R2	TBX4	TERC
STX16	SYNGR1	TAS1R3	TBX5	TERT
STX1A	SYNM	TAS2R16	TBX6	TET1
STXBP1	SYNPO	TAS2R19	TBXA2R	TEX14
STXBP2	SYP	TAS2R3	TBXAS1	TF
STXBP5	SYT11	TAS2R38	TCAP	TFAM
SUCLA2	SYT14	TAS2R43	TCF21	TFAP2A
SUCLG1	SYT2	TAS2R46	TCF4	TFAP2B
SUFU	SYTL3	TAS2R50	TCF7	TFB1M
SULF1	SYTL5	TAS2R9	TCF7L1	TFCP2
SULT1A1	T	TAT	TCF7L2	TFF1
SULT1A3	TAAR6	TAZ	TCIRG1	TFPI
SULT1C2	TAAR9	TBC1D1	TCN1	TFR2
SULT1E1	TAB2	TBC1D23	TCN2	TFRC
SULT2A1	TAC3	TBC1D24	TCOF1	TG
SULT2B1	TACO1	TBC1D4	TCP1	TGFB1
SULT4A1	TACR3	TBCE	TCTE1	TGFB2
SUMF1	TACSTD2	TBK1	TCTE3	TGFB3

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TGFBI	TK2	TMEM43	TNFSF14	TPH2
TGFBR1	TLK1	TMEM67	TNFSF15	TPI1
TGFBR2	TLL1	TMEM70	TNFSF4	TPK1
TGFBR3	TLR1	TMEM8A	TNFSF8	TPM1
TGFBRAP1	TLR10	TMEM9	TNKS	TPM2
TGIF1	TLR2	TMIE	TNNC1	TPM3
TGM1	TLR3	TMLHE	TNNI2	TPMT
TGM2	TLR4	TMPO	TNNI3	TPO
TGM5	TLR5	TMPRSS11A	TNNI3K	TPP1
TGM6	TLR6	TMPRSS15	TNNT1	TPP2
TH	TLR7	TMPRSS3	TNNT2	TPRN
THADA	TLR8	TMPRSS4	TNNT3	TPSB2
THAP1	TLR9	TMPRSS5	TNP1	TPTE
THBD	TM4SF19	TMPRSS6	TNR	TRAC
THBS1	TMC1	TNC	TNS3	TRADD
THBS2	TMC6	TNF	TNXB	TRAF3
THBS4	TMC8	TNFAIP2	TOMM40	TRAF3IP1
THPO	TMCO1	TNFAIP3	TOP1MT	TRAF3IP2
THRA	TMEM114	TNFRSF10A	TOPBP1	TRAF6
THRB	TMEM126A	TNFRSF10B	TOPORS	TRAK2
THSD7A	TMEM127	TNFRSF11A	TOR1A	TRAPPC10
TICAM1	TMEM135	TNFRSF11B	TOX3	TRAPPC2
TIMM44	TMEM138	TNFRSF13B	TP53	TRAPPC9
TIMM8A	TMEM165	TNFRSF13C	TP53AIP1	TRB
TIMP1	TMEM173	TNFRSF1A	TP53BP1	TRBV9
TIMP2	TMEM185A	TNFRSF1B	TP53I3	TRDN
TIMP3	TMEM187	TNFRSF25	TP53RK	TREM2
TINAG	TMEM2	TNFRSF4	TP63	TRERF1
TINF2	TMEM216	TNFSF10	TP73	TREX1
TIRAP	TMEM237	TNFSF11	TPCN2	TRHR
TJP2	TMEM39A	TNFSF13B	TPH1	TRIB1

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TRIB3	TRPV4	TPPA	UBE2I	UHRF1BP1
TRIL	TRPV5	TTR	UBE2NL	UIMC1
TRIM17	TRRAP	TTY13	UBE3A	UMOD
TRIM21	TSC1	TUBA1A	UBE3C	UMPS
TRIM22	TSC2	TUBA8	UBIAD1	UNC119
TRIM32	TSEN2	TUBB1	UBN2	UNC13D
TRIM37	TSEN34	TUBB2B	UBQLN2	UNC5C
TRIM5	TSEN54	TUBB3	UBR1	UNC5CL
TRIO	TSFM	TUBGCP4	UBR3	UNC80
TRIOBP	TSHB	TUBGCP5	UBR7	UNC93A
TRIP11	TSHR	TUBGCP6	UCHL1	UNC93B1
TRIP12	TSHZ1	TUFM	UCP1	UNG
TRMT1	TSLP	TULP1	UCP2	UNKL
TRMU	TSPAN12	TULP3	UCP3	UPB1
TRD	TSPAN17	TUSC3	UFD1L	UPF3B
TROAP	TSPAN7	TWIST1	UGT1A1	UPK3A
TROVE2	TSPO	TWIST2	UGT1A10	UQCRB
TRPA1	TSPYL1	TXN2	UGT1A3	UQCRQ
TRPC3	TSSC4	TXNRD2	UGT1A4	UROC1
TRPC4	TSSK2	TYK2	UGT1A5	UROD
TRPC5	TSSK3	TYMP	UGT1A6	UROS
TRPC6	TSSK4	TYMS	UGT1A7	USB1
TRPM1	TST	TYR	UGT1A8	USF1
TRPM2	TTBK2	TYROBP	UGT1A9	USH1C
TRPM3	TTC19	TYRP1	UGT2A1	USH1G
TRPM4	TTC21B	UBA1	UGT2A3	USH2A
TRPM6	TTC37	UBA3	UGT2B10	USP15
TRPM7	TTC8	UBAC2	UGT2B15	USP24
TRPS1	TTI2	UBD	UGT2B17	USP26
TRPV1	TTLL11	UBE2A	UGT2B28	USP46
TRPV3	TTN	UBE2B	UGT2B7	USP7

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USP9X	VPS13B	WNK4	XYLT1	ZFP36L1
USP9Y	VPS33B	WNT10A	XYLT2	ZFP57
UTF1	VPS35	WNT10B	YAP1	ZFP90
UTRN	VRK1	WNT3	YARS	ZFPM2
UTS2	VSIG4	WNT4	YARS2	ZFY
UVSSA	VSX1	WNT5A	YBX2	ZFYVE26
VAMP7	VSX2	WNT5B	YTHDF2	ZFYVE27
VANGL1	VTN	WNT7A	YWHAE	ZHX3
VANGL2	VWF	WRAP53	YY1	ZIC1
VAPB	WAS	WRN	ZAN	ZIC2
VAX1	WASF3	WT1	ZAP70	ZIC3
VCAM1	WDFY3	WT1-AS	ZBTB16	ZMPSTE24
VCAN	WDFY4	WWC1	ZBTB18	ZMYND11
VCL	WDPCP	WWOX	ZBTB24	ZNF202
VCP	WDR11	XBP1	ZBTB40	ZNF213
VCX3A	WDR13	XDH	ZBTB41	ZNF224
VCY	WDR19	XIAP	ZC3H14	ZNF24
VDR	WDR35	XIST	ZC3H3	ZNF335
VEGFA	WDR36	XK	ZC3HAV1	ZNF350
VHL	WDR4	XKR4	ZCCHC12	ZNF365
VIM	WDR45	XKRY	ZCCHC13	ZNF385B
VIMP	WDR45B	XPA	ZCCHC8	ZNF41
VIP	WDR62	XPC	ZDHHC15	ZNF469
VIPAS39	WDR65	XPNPEP2	ZDHHC8	ZNF480
VIPR2	WDR72	XPNPEP3	ZDHHC9	ZNF507
VKORC1	WDR81	XRCC1	ZEB1	ZNF513
VLDLR	WFS1	XRCC2	ZEB2	ZNF526
VMA21	WHSC1	XRCC3	ZFAT	ZNF592
VNN1	WIPF1	XRCC4	ZFHX3	ZNF627
VPREB1	WISP3	XRCC5	ZFHX4	ZNF644
VPS13A	WNK1	XRCC6	ZFP36	ZNF674

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ZNF711

ZNF750

ZNF75D

ZNF80

ZNF804A

ZNF81

ZNHIT6

ZNRF1

ZPBP

ZPBP2