

Supplementary table 2. List of differentially expressed genes between CAVS and Non-CAVS. It reports 510 upregulated genes and 399 downregulated genes.

Gene	Sense	Author	Diagnostic	Configuration
A2M	upregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
ABCA8	downregulated	Bossé et al. 2009	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
ABCA9	downregulated	Bossé et al. 2009	AS	TAV
ABCG1	upregulated	Bossé et al. 2009	AS	TAV
ABLM1	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
ABTB2	downregulated	Bossé et al. 2009	AS	TAV
ACACB	downregulated	Zhu et al. 2019	AS	BAV/TAV
ACADVL	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
ACAN	downregulated	Bossé et al. 2009	AS	TAV
		Kossar et al. 2020	AS	TAV
ACAP1	downregulated	Bossé et al. 2009	AS	TAV
ACE	upregulated	Helske et al. 2004	AS	BAV/TAV/CAV
ACE2	downregulated	Peltonen et al. 2011	AS	BAV/TAV
ACSM3	downregulated	Bossé et al. 2009	AS	TAV
ADAM12	upregulated	Bossé et al. 2009	AS	TAV
ADAM19	upregulated	Bossé et al. 2009	AS	TAV
ADAM28	upregulated	Bossé et al. 2009	AS	TAV
ADAM8	upregulated	Bossé et al. 2009	AS	TAV
ADAMTS15	downregulated	Zhu et al. 2019	AS	BAV/TAV
ADAMTS5	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
ADCYAP1	upregulated	Bossé et al. 2009	AS	TAV
ADGRB3	downregulated	Bossé et al. 2009	AS	TAV
ADGRE2	upregulated	Zhu et al. 2019	AS	BAV/TAV
ADGRG2	downregulated	Qiao et al. 2022	AS	TAV
ADH1A	downregulated	Bossé et al. 2009	AS	TAV
ADH1B	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
ADRB1	downregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
AFAP1-AS1	upregulated	Hadji et al. 2016	AS	TAV
AFF1	downregulated	Bossé et al. 2009	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
AGTR1	downregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
		Peltonen et al. 2011	AS	BAV/TAV
AGTR2	downregulated	Peltonen et al. 2011	AS	BAV/TAV
AIF1	upregulated	Qiao et al. 2022	AS	TAV
AIF1L	downregulated	Bossé et al. 2009	AS	TAV
AKAP12	downregulated	Bossé et al. 2009	AS	TAV
AKAP13	downregulated	Bossé et al. 2009	AS	TAV
ALDH1L1	downregulated	Greene et al. 2020	AS	BAV/TAV
AMER2	downregulated	Zhu et al. 2019	AS	BAV/TAV
AMPD3	upregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
ANGPT2	upregulated	Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
ANGPTL2	upregulated	Bossé et al. 2009	AS	TAV
ANGPTL7	downregulated	Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
ANK3	downregulated	Bossé et al. 2009	AS	TAV
ANKRD10	upregulated	Bossé et al. 2009	AS	TAV
ANLN	upregulated	Bossé et al. 2009	AS	TAV
ANO3	downregulated	Bossé et al. 2009	AS	TAV
ANPEP	upregulated	Qiao et al. 2022	AS	TAV
AOAH	upregulated	Qiao et al. 2022	AS	TAV
AOC3	upregulated	Anger et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
AOX1	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
APOBEC3B	upregulated	Bossé et al. 2009	AS	TAV
APOas1	downregulated	Hadji et al. 2016	AS	TAV
APOC1	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
APOL6	downregulated	Bossé et al. 2009	AS	TAV
AQP7P1	downregulated	Greene et al. 2020	AS	BAV/TAV
AQP7P2	downregulated	Greene et al. 2020	AS	BAV/TAV
AQP7P3	downregulated	Greene et al. 2020	AS	BAV/TAV
AQP7P4	downregulated	Greene et al. 2020	AS	BAV/TAV
AR	downregulated	Zhu et al. 2019	AS	BAV/TAV
ARFGEF3	downregulated	Zhu et al. 2019	AS	BAV/TAV
ARHGAP15	upregulated	Bossé et al. 2009	AS	TAV
ARHGAP30	upregulated	Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
ARHGAP9	upregulated	Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
ARHGDIA	upregulated	Bossé et al. 2009	AS	TAV
ARHGEF26	downregulated	Bossé et al. 2009	AS	TAV
ARID5B	upregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
ARL4C	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
ART4	downregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
ATOH8	downregulated	Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
ATOSA	downregulated	Bossé et al. 2009	AS	TAV
ATP11B	downregulated	Bossé et al. 2009	AS	TAV
ATP6V0D2	upregulated	Cantor et al. 2021	AS	TAV
ATP8A1	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
B2M	upregulated	Kossar et al. 2020	AS	TAV
B4GALT5	upregulated	Bossé et al. 2009	AS	TAV
BAMBI	downregulated	Qiao et al. 2022	AS	TAV
BASP1	upregulated	Bossé et al. 2009	AS	TAV
BBLN	upregulated	Bossé et al. 2009	AS	TAV
BCAR3	downregulated	Qiao et al. 2022	AS	TAV
BCAT1	upregulated	Sun et al. 2021	AS	BAV/TAV
BCL11B	upregulated	Bossé et al. 2009	AS	TAV
BCL3	upregulated	Bossé et al. 2009	AS	TAV
BCL6	downregulated	Bossé et al. 2009	AS	TAV
BCLAF1	downregulated	Bossé et al. 2009	AS	TAV
BCO2	downregulated	Bossé et al. 2009	AS	TAV
BCOR	upregulated	Bossé et al. 2009	AS	TAV
BDKRB2	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Bossé et al. 2009	AS	TAV
BEX2	downregulated	Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
BGN	upregulated	Bossé et al. 2009	AS	TAV
BIRC6	upregulated	Bossé et al. 2009	AS	TAV
BMX	downregulated	Bossé et al. 2009	AS	TAV
BRINP3	downregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
BTC	downregulated	Zhu et al. 2019	AS	BAV/TAV
BTG1	upregulated	Bossé et al. 2009	AS	TAV
BTK	upregulated	Qiao et al. 2022	AS	TAV
C16orf54	upregulated	Bossé et al. 2009	AS	TAV
C1orf162	upregulated	Qiao et al. 2022	AS	TAV
C1orf21	downregulated	Bossé et al. 2009	AS	TAV
C1QA	upregulated	Kossar et al. 2020	AS	TAV
C1QC	upregulated	Teng et al. 2020	AS	BAV/TAV
C1QTNF5	upregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
C2orf88	downregulated	Qiao et al. 2022	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
C5orf46	upregulated	Qiao et al. 2022	AS	TAV
C6	downregulated	Qiao et al. 2022	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
C7	downregulated	Qiao et al. 2022	AS	TAV
C8orf88	downregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
CA12	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CAB39L	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
CACNA1C	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
CACNAH1	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
CADM1	upregulated	Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CADM2	downregulated	Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
CADM3	downregulated	Bossé et al. 2009	AS	TAV
CARHSP1	upregulated	Bossé et al. 2009	AS	TAV
CASP1	upregulated	Anger et al. 2009	AS	TAV
CASP10	downregulated	Anger et al. 2009	AS	TAV
CASP8	downregulated	Anger et al. 2009	AS	TAV
CAVIN2	downregulated	Bossé et al. 2009	AS	TAV
CBLN1	downregulated	Cantor et al. 2021	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
CBLN4	upregulated	Greene et al. 2020	AS	BAV/TAV
CBX3	upregulated	Bossé et al. 2009	AS	TAV
CCDC181	upregulated	Bossé et al. 2009	AS	TAV
CCDC80	upregulated	Bossé et al. 2009	AS	TAV
CCL14	upregulated	Bossé et al. 2009	AS	TAV
CCL15	upregulated	Bossé et al. 2009	AS	TAV
CCL23	upregulated	Bossé et al. 2009	AS	TAV
CCL26	upregulated	Anger et al. 2009	AS	TAV
CCL4	upregulated	Bossé et al. 2009	AS	TAV
		Yang et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CCL5	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Yang et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CCN4	upregulated	Bossé et al. 2009	AS	TAV
CCN5	downregulated	Qiao et al. 2022	AS	TAV
CCNC	upregulated	Anger et al. 2009	AS	TAV
CCND2	downregulated	Anger et al. 2009	AS	TAV
CCNG1	downregulated	Anger et al. 2009	AS	TAV
CCR2	upregulated	Zhu et al. 2019	AS	BAV/TAV
CCR5	upregulated	Bossé et al. 2009	AS	TAV
CCR7	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
CCT7	downregulated	Yang et al. 2020	AS	BAV/TAV
CD14	upregulated	Kossar et al. 2020	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
CD209	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
CD226	downregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
CD247	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
CD248	upregulated	Gauque-Olarte et al. 2015	Mild/Severe AS	TAV
CD27	upregulated	Qiao et al. 2022	AS	TAV
CD28	upregulated	Bossé et al. 2009	AS	TAV
CD300A	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
CD300LF	upregulated	Bossé et al. 2009	AS	TAV
CD3G	upregulated	Bossé et al. 2009	AS	TAV
CD44	upregulated	Bossé et al. 2009	AS	TAV
CD48	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CD53	upregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CD72	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
CD74	upregulated	Teng et al. 2020	AS	BAV/TAV
CD79A	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
CD84	upregulated	Cantor et al. 2021	AS	TAV
CD86	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
CD86	upregulated	Zhu et al. 2019	AS	BAV/TAV
CDC7	upregulated	Bossé et al. 2009	AS	TAV
CDH19	downregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
CDH6	upregulated	Greene et al. 2020	AS	BAV/TAV
CDK1	upregulated	Bossé et al. 2009	AS	TAV
CDK4	downregulated	Yang et al. 2020	AS	BAV/TAV
CDKN3	upregulated	Bossé et al. 2009	AS	TAV
CDO1	downregulated	Bossé et al. 2009	AS	TAV
CECR2	downregulated	Bossé et al. 2009	AS	TAV
CELF2	downregulated	Bossé et al. 2009	AS	TAV
CEMIP	upregulated	Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
CEP55	upregulated	Bossé et al. 2009	AS	TAV
CERCAM	upregulated	Bossé et al. 2009	AS	TAV
CERKL	upregulated	Bossé et al. 2009	AS	TAV
CFD	downregulated	Qiao et al. 2022	AS	TAV
CFL1	upregulated	Bossé et al. 2009	AS	TAV
CGNL1	downregulated	Zhu et al. 2019	AS	BAV/TAV
CHAD	downregulated	Qiao et al. 2022	AS	TAV
CHODL	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
CHST7	downregulated	Qiao et al. 2022	AS	TAV
CHST9	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
CIDEC	downregulated	Qiao et al. 2022	AS	TAV
CKLF3	downregulated	Anger et al. 2009	AS	TAV
CKS2	upregulated	Bossé et al. 2009	AS	TAV
CLC	upregulated	Bossé et al. 2009	AS	TAV
CLDN11	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CLDN5	upregulated	Qiao et al. 2022	AS	TAV
CLEC3B	downregulated	Bossé et al. 2009	AS	TAV
CLEC7A	upregulated	Zhu et al. 2019	AS	BAV/TAV
CLK4	downregulated	Bossé et al. 2009	AS	TAV
CLSTN2	downregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
		Zhu et al. 2019	AS	BAV/TAV
CMA1	upregulated	Greene et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CMYA5	downregulated	Qiao et al. 2022	AS	TAV
CNP	downregulated	Peltonen et al. 2007	AS	BAV/TAV
CNR1	downregulated	Bossé et al. 2009	AS	TAV
CNTFR	downregulated	Greene et al. 2020	AS	BAV/TAV
CNTN1	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
CNTN4	downregulated	Bossé et al. 2009	AS	TAV
COBL	downregulated	Bossé et al. 2009	AS	TAV
COL15A1	upregulated	Bossé et al. 2009	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
COL18A1	upregulated	Bossé et al. 2009	AS	TAV
COL1A2	upregulated	Sun et al. 2021	AS	BAV/TAV
COL4A1	upregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
COL4A2	upregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
COL4A3	downregulated	Bossé et al. 2009	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
COL4A4	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
COL4A5	downregulated	Zhu et al. 2019	AS	BAV/TAV
COL5A1	upregulated	Bossé et al. 2009	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
COL5A2	upregulated	Bossé et al. 2009	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
COL6A2	upregulated	Bossé et al. 2009	AS	TAV
COL9A3	downregulated	Bossé et al. 2009	AS	TAV
COLGALT2	downregulated	Qiao et al. 2022	AS	TAV
COMP	upregulated	Qiao et al. 2022	AS	TAV
CORIN	downregulated	Bossé et al. 2009	AS	TAV
CORO1A	upregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
COTL1	upregulated	Qiao et al. 2022	AS	TAV
CPAMD8	downregulated	Bossé et al. 2009	AS	TAV
CPVL	upregulated	Bossé et al. 2009	AS	TAV
CR1	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
CR1L	upregulated	Bossé et al. 2009	AS	TAV
CRTAC1	upregulated	Qiao et al. 2022	AS	TAV
CSE1L	downregulated	Yang et al. 2020	AS	BAV/TAV
CSF1R	upregulated	Qiao et al. 2022	AS	TAV
CSF3	upregulated	Anger et al. 2009	AS	TAV
CSK	upregulated	Qiao et al. 2022	AS	TAV
CST6	upregulated	Qiao et al. 2022	AS	TAV
CST7	upregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
CTSB	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
CTSC	upregulated	Bossé et al. 2009	AS	TAV
CTSD	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
CTSZ	upregulated	Bossé et al. 2009	AS	TAV
CTTNBP2	downregulated	Bossé et al. 2009	AS	TAV
CX3CR1	upregulated	Qiao et al. 2022	AS	TAV
CXCL1	upregulated	Bossé et al. 2009	AS	TAV
CXCL10	upregulated	Yang et al. 2020	AS	BAV/TAV
CXCL12	upregulated	Bossé et al. 2009	AS	TAV
		Kossar et al. 2020	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
CXCL14	upregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
		Qiao et al. 2022	AS	TAV
CXCL9	upregulated	Qiao et al. 2022	AS	TAV
CXCR1	upregulated	Anger et al. 2009	AS	TAV
CXCR3	upregulated	Bossé et al. 2009	AS	TAV
CXCR4	upregulated	Yang et al. 2020	AS	BAV/TAV
CYBA	upregulated	Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
CYP27B1	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
CYP4B1	downregulated	Bossé et al. 2009	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
CYTH4	upregulated	Qiao et al. 2022	AS	TAV
DDIT4L	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
DENND2A	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
DENND2D	upregulated	Bossé et al. 2009	AS	TAV
DHRS9	upregulated	Bossé et al. 2009	AS	TAV
DIO2	upregulated	Bossé et al. 2009	AS	TAV
DKK2	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
DKK3	downregulated	Bossé et al. 2009	AS	TAV
DLG2	upregulated	Bossé et al. 2009	AS	TAV
DLGAP5	upregulated	Bossé et al. 2009	AS	TAV
DNER	downregulated	Greene et al. 2020	AS	BAV/TAV
DOCK10	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
DOCK8	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
DOCK9	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
DOK3	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
DOK6	downregulated	Bossé et al. 2009	AS	TAV
DPP4	upregulated	Bossé et al. 2009	AS	TAV
DPY19L2	downregulated	Bossé et al. 2009	AS	TAV
DTL	upregulated	Bossé et al. 2009	AS	TAV
DUSP1	downregulated	Qiao et al. 2022	AS	TAV
DUSP14	upregulated	Qiao et al. 2022	AS	TAV
ECE1	downregulated	Peltonen et al. 2009	severe AS	BAV/TAV
ECHDC2	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
EDNRA	upregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
EGFR	downregulated	Bossé et al. 2009	AS	TAV
EHBP1	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
EIF2S1	downregulated	Yang et al. 2020	AS	BAV/TAV
EIF5A	upregulated	Bossé et al. 2009	AS	TAV
ELOVL2	downregulated	Bossé et al. 2009	AS	TAV
EMILIN1	upregulated	Bossé et al. 2009	AS	TAV
EMILIN2	upregulated	Qiao et al. 2022	AS	TAV
EMILIN3	downregulated	Bossé et al. 2009	AS	TAV
ENPEP	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
ENPP1	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
ENPP2	upregulated	Sun et al. 2021	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
EPB41L4B	downregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
		Zhu et al. 2019	AS	BAV/TAV
EPB41L5	downregulated	Bossé et al. 2009	AS	TAV
EPHB1	downregulated	Greene et al. 2020	AS	BAV/TAV
		Guaque-Olarte et al. 2015	Mild/Severe AS	TAV
ERBB3	downregulated	Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
		Greene et al. 2020	AS	BAV/TAV
ESM1	upregulated	Qiao et al. 2022	AS	TAV
		Guaque-Olarte et al. 2015	Mild/Severe AS	TAV
ESR1	downregulated	Kossar et al. 2020	AS	TAV
ETNK2	downregulated	Qiao et al. 2022	AS	TAV
EVI2A	upregulated	Qiao et al. 2022	AS	TAV
EVI2B	upregulated	Bossé et al. 2009	AS	TAV
EVI5	downregulated	Bossé et al. 2009	AS	TAV
EYA1	downregulated	Qiao et al. 2022	AS	TAV
F10	downregulated	Bossé et al. 2009	AS	TAV
F13B	upregulated	Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
FAM107A	downregulated	Teng et al. 2020	AS	BAV/TAV
FAM163A	downregulated	Greene et al. 2020	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
FAM20A	upregulated	Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
FAM43A	upregulated	Bossé et al. 2009	AS	TAV
FAM83D	upregulated	Zhu et al. 2019	AS	BAV/TAV
FAP	upregulated	Bossé et al. 2009	AS	TAV
FAT1	upregulated	Qiao et al. 2022	AS	TAV
FBLN5	downregulated	Qiao et al. 2022	AS	TAV
FCGBP	upregulated	Qiao et al. 2022	AS	TAV
		Bossé et al. 2009	AS	TAV
FCGR1A	upregulated	Sun et al. 2021	AS	BAV/TAV
FCGR2A	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
FCMR	upregulated	Qiao et al. 2022	AS	TAV
FEZ1	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
FGF1	upregulated	Guaque-Olarte et al. 2015	Mild/Severe AS	TAV
FGF7	upregulated	Bossé et al. 2009	AS	TAV
FGF7P3	upregulated	Bossé et al. 2009	AS	TAV
FGF7P6	upregulated	Bossé et al. 2009	AS	TAV
FGFBP2	downregulated	Qiao et al. 2022	AS	TAV
FGFR3	downregulated	Bossé et al. 2009	AS	TAV
FGL2	downregulated	Qiao et al. 2022	AS	TAV
FHL2	upregulated	Qiao et al. 2022	AS	TAV
FHOD3	upregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
FKBP11	upregulated	Zhu et al. 2019	AS	BAV/TAV
FKBP1A	upregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
FKBP5	downregulated	Qiao et al. 2022	AS	TAV
FMO2	downregulated	Bossé et al. 2009	AS	TAV
FMO3	upregulated	Qiao et al. 2022	AS	TAV
		Bossé et al. 2009	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
FN1	upregulated	Zhu et al. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
FNDC1	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
FOXO1	downregulated	Bossé et al. 2009	AS	TAV
FOXO3	downregulated	Bossé et al. 2009	AS	TAV
FOXP2	downregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Yang et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
FPR1	upregulated			

Gene	Sense	Author	Diagnostic	Configuration
FPR3	upregulated	Qiao et al. 2022	AS	TAV
FRAS1	downregulated	Bossé et al. 2009	AS	TAV
FRMD3	downregulated	Bossé et al. 2009	AS	TAV
FRRS1L	downregulated	Zhu et al. 2019	AS	BAV/TAV
FRZB	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
FST	upregulated	Qiao et al. 2022	AS	TAV
Furin	downregulated	Peltonen et al. 2007	AS	BAV/TAV
FXYP1	downregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
FYB	upregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
GADD45G	downregulated	Bossé et al. 2009	AS	TAV
GALNT15	downregulated	Bossé et al. 2009	AS	TAV
GALNT3	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
GAP43	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
GATA5	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
GNLY	upregulated	Bossé et al. 2009	AS	TAV
GPC5	downregulated	Bossé et al. 2009	AS	TAV
GPM6A	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
GPM6B	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
GPR146	upregulated	Bossé et al. 2009	AS	TAV
GPR160	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
GPR18	upregulated	Bossé et al. 2009	AS	TAV
GPR68	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
GPRASP1	upregulated	Wang et al. 2021	AS	BAV/TAV
GPRIN3	upregulated	Zhu et al. 2019	AS	BAV/TAV
GPSM3	upregulated	Qiao et al. 2022	AS	TAV
GPX3	downregulated	Greene et al. 2020	AS	BAV/TAV
GSC	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
GSN	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
GUCY1A1	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
GUCY1B1	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
GZMH	upregulated	Bossé et al. 2009	AS	TAV
H19	upregulated	Bossé et al. 2009	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
		Hadji et al. 2016	AS	TAV
H4C3	upregulated	Kossar et al. 2020	AS	TAV
HAND2-AS1	downregulated	Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
HAPLN3	upregulated	Qiao et al. 2022	AS	TAV
HBA1	upregulated	Bossé et al. 2009	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
HBA2	upregulated	Bossé et al. 2009	AS	TAV
HBB	upregulated	Bossé et al. 2009	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
HCG11	downregulated	Bossé et al. 2009	AS	TAV
HCK	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
HCLS1	upregulated	Qiao et al. 2022	AS	TAV
HCST	upregulated	Qiao et al. 2022	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
		Teng et al. 2020	AS	BAV/TAV
HDC	upregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
HIBCH	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
HIF1A	upregulated	Greene et al. 2020	AS	BAV/TAV
HIF3A	downregulated	Bossé et al. 2009	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
HIRA	downregulated	Bossé et al. 2009	AS	TAV
HK3	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Bossé et al. 2009	AS	TAV
HLA-DMB	upregulated	Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
HLA-DOA	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Teng et al. 2020	AS	BAV/TAV
HLA-DOB	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
HLA-DPA1	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
HLA-DPB2	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
HLA-DQA1	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Bossé et al. 2009	AS	TAV
HLA-DQB1	upregulated	Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
HLA-DRA	upregulated	Kossar et al. 2020	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
HMGCLL1	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
HMMR	upregulated	Bossé et al. 2009	AS	TAV
HOXD4	upregulated	Bossé et al. 2009	AS	TAV
HPR	downregulated	Bossé et al. 2009	AS	TAV
HPSE	upregulated	Bossé et al. 2009	AS	TAV
HRH1	upregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
HS3ST1	downregulated	Bossé et al. 2009	AS	TAV
HS3ST2	upregulated	Bossé et al. 2009	AS	TAV
HSD17B13	downregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
HSPA6	upregulated	Bossé et al. 2009	AS	TAV
HTR4	downregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
HTRA1	upregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
HTRA4	upregulated	Bossé et al. 2009	AS	TAV
HYAL1	downregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
ICA1L	downregulated	Bossé et al. 2009	AS	TAV
ID2	downregulated	Bossé et al. 2009	AS	TAV
ID2B	downregulated	Bossé et al. 2009	AS	TAV
IFI35	downregulated	Anger et al. 2009	AS	TAV
IFI6	upregulated	Bossé et al. 2009	AS	TAV
		Kossar et al. 2020	AS	TAV
IFITM3	upregulated	Anger et al. 2009	AS	TAV
IFNA8	upregulated	Anger et al. 2009	AS	TAV
IFRD1	upregulated	Anger et al. 2009	AS	TAV
IGDCC4	upregulated	Bossé et al. 2009	AS	TAV
IGF1	upregulated	Bossé et al. 2009	AS	TAV
IGFBP2	upregulated	Teng et al. 2020	AS	BAV/TAV
IGFBP4	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
IGHG1	upregulated	Bossé et al. 2009	AS	TAV
IGHG2	upregulated	Bossé et al. 2009	AS	TAV
IGHG3	upregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
IGHM	upregulated	Zhu et al. 2019	AS	BAV/TAV

Gene	Sense	Author	Diagnostic	Configuration
IGKC	upregulated	Zhu et al. 2019	AS	BAV/TAV
IGKV1-17	upregulated	Zhu et al. 2019	AS	BAV/TAV
IGKV1-5	upregulated	Bossé et al. 2009	AS	TAV
IGKV1D-13	upregulated	Zhu et al. 2019	AS	BAV/TAV
IGKV1OR2-108	upregulated	Zhu et al. 2019	AS	BAV/TAV
IGKV4-1	upregulated	Zhu et al. 2019	AS	BAV/TAV
IGL	upregulated	Bossé et al. 2009	AS	TAV
IGLJ3	upregulated	Bossé et al. 2009 Zhu et al. 2019	AS AS	TAV BAV/TAV
IGLL1	upregulated	Qiao et al. 2022	AS	TAV
IGLL3P	upregulated	Sun et al. 2021 Zhu et al. 2019	AS AS	BAV/TAV BAV/TAV
IGLV2-14	upregulated	Bossé et al. 2009 Zhu et al. 2019	AS AS	TAV BAV/TAV
IGLV3-10	upregulated	Zhu et al. 2019	AS	BAV/TAV
IGLV3-25	upregulated	Bossé et al. 2009 Zhu et al. 2019	AS AS	TAV BAV/TAV
IGLV4-3	upregulated	Bossé et al. 2009	AS	TAV
IGSF11	downregulated	Bossé et al. 2009 Guauque-Olarte et al. 2015	AS Mild/Severe AS	TAV TAV
IGSF4	upregulated	Bossé et al. 2009	AS	TAV
IL10RA	downregulated	Anger et al. 2009	AS	TAV
IL11	upregulated	Greene et al. 2020	AS	BAV/TAV
IL12	downregulated	Anger et al. 2009	AS	TAV
IL12RB1	upregulated	Anger et al. 2009	AS	TAV
IL16	upregulated	Anger et al. 2009	AS	TAV
IL17C	downregulated	Anger et al. 2009	AS	TAV
IL17D	downregulated	Bossé et al. 2009 Qiao et al. 2022 Teng et al. 2020 Zhang y Ma. 2019	AS AS AS AS	TAV TAV BAV/TAV BAV/TAV
IL1B	upregulated	Bossé et al. 2009	AS	TAV
IL1RN	upregulated	Bossé et al. 2009 Zhu et al. 2019	AS AS	TAV BAV/TAV
IL21R	upregulated	Bossé et al. 2009 Zhu et al. 2019	AS AS	TAV BAV/TAV
IL2RB	upregulated	Bossé et al. 2009	AS	TAV
IL4	downregulated	Anger et al. 2009	AS	TAV
IL4I1	upregulated	Bossé et al. 2009	AS	TAV
IL6	upregulated	Bossé et al. 2009	AS	TAV
ILKAP	upregulated	Bossé et al. 2009	AS	TAV
ING3	downregulated	Bossé et al. 2009	AS	TAV
IP6K3	downregulated	Bossé et al. 2009	AS	TAV
IRF4	downregulated	Anger et al. 2009	AS	TAV
IRF6	downregulated	Bossé et al. 2009 Qiao et al. 2022	AS AS	TAV TAV
IRF8	upregulated	Qiao et al. 2022	AS	TAV
IRX3	downregulated	Bossé et al. 2009	AS	TAV
ISM1	upregulated	Bossé et al. 2009	AS	TAV
ITGA4	upregulated	Bossé et al. 2009 Yang et al. 2020 Zhu et al. 2019	AS AS AS	TAV BAV/TAV BAV/TAV
ITGA9	downregulated	Bossé et al. 2009	AS	TAV
ITGAV	upregulated	Bossé et al. 2009	AS	TAV
ITGAX	upregulated	Bossé et al. 2009 Teng et al. 2020	AS AS	TAV BAV/TAV
ITGB2	upregulated	Yang et al. 2020 Zhang y Ma. 2019 Zhu et al. 2019	AS AS AS	BAV/TAV BAV/TAV BAV/TAV
ITGB7	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
ITK	upregulated	Bossé et al. 2009 Qiao et al. 2022 Sun et al. 2021	AS AS AS	TAV TAV BAV/TAV
ITM2A	downregulated	Qiao et al. 2022 Zhang y Ma. 2019	AS AS	TAV BAV/TAV
ITPRID2	downregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
JAK3	upregulated	Bossé et al. 2009	AS	TAV
KANK1	downregulated	Zhu et al. 2019	AS	BAV/TAV
KCNJ15	upregulated	Bossé et al. 2009	AS	TAV
KCNJ6	upregulated	Greene et al. 2020	AS	BAV/TAV
KCNK17	downregulated	Bossé et al. 2009	AS	TAV
KCNN4	upregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
KCNT1	downregulated	Greene et al. 2020	AS	BAV/TAV
KDELR2	upregulated	Sun et al. 2021	AS	BAV/TAV
KIF11	upregulated	Bossé et al. 2009	AS	TAV
KIF21A	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
KIF5C	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
KLF15	downregulated	Bossé et al. 2009	AS	TAV
KLF4	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
KLF9	downregulated	Bossé et al. 2009	AS	TAV
KLHL6	upregulated	Bossé et al. 2009	AS	TAV
KLRB1	upregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
KLRC1	upregulated	Bossé et al. 2009	AS	TAV
KLRC2	upregulated	Bossé et al. 2009	AS	TAV
KMO	upregulated	Bossé et al. 2009	AS	TAV
KMT2A	downregulated	Bossé et al. 2009	AS	TAV
KRT17	upregulated	Qiao et al. 2022	AS	TAV
KYNU	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
L1CAM	downregulated	Bossé et al. 2009	AS	TAV
LAIR1	upregulated	Bossé et al. 2009	AS	TAV
LAMA2	downregulated	Bossé et al. 2009	AS	TAV
LAMA3	downregulated	Bossé et al. 2009	AS	TAV
LAMC3	downregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
LBP	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
LCK	upregulated	Bossé et al. 2009	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
LCP1	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
LCP2	upregulated	Bossé et al. 2009	AS	TAV
LDAF1	downregulated	Bossé et al. 2009	AS	TAV
LDLR	upregulated	Anger et al. 2009	AS	TAV
LEPR	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
LIFR	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
LILRB1	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
LILRB2	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
LILRB4	upregulated	Bossé et al. 2009	AS	TAV
LIMCH1	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
LINC00844	downregulated	Zhu et al. 2019	AS	BAV/TAV
LINC01094	upregulated	Zhu et al. 2019	AS	BAV/TAV
LINC01614	upregulated	Zhu et al. 2019	AS	BAV/TAV
LMO3	downregulated	Bossé et al. 2009	AS	TAV
LOC102723407	upregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
LOC374443	upregulated	Bossé et al. 2009	AS	TAV
LONRF2	downregulated	Bossé et al. 2009 Zhu et al. 2019	AS AS	TAV BAV/TAV
LOXL2	upregulated	Bossé et al. 2009 Zhu et al. 2019	AS AS	TAV BAV/TAV
LPAR1	downregulated	Qiao et al. 2022 Zhang y Ma. 2019	AS AS	TAV BAV/TAV
LPL	downregulated	Kossar et al. 2020	AS	TAV
LRATD2	downregulated	Bossé et al. 2009	AS	TAV
LRP1	upregulated	Bossé et al. 2009	AS	TAV
LRP1B	downregulated	Bossé et al. 2009 Qiao et al. 2022	AS AS	TAV TAV
LRRC15	upregulated	Bossé et al. 2009 Greene et al. 2020 Qiao et al. 2022 Zhu et al. 2019	AS AS AS AS	TAV BAV/TAV TAV BAV/TAV
LRRC32	upregulated	Bossé et al. 2009 Qiao et al. 2022	AS AS	TAV TAV
LSP1	upregulated	Bossé et al. 2009	AS	TAV
LST1	upregulated	Qiao et al. 2022	AS	TAV
LTB	upregulated	Bossé et al. 2009 Guauque-Olarte et al. 2015 Teng et al. 2020	AS Mild/Severe AS AS	TAV TAV BAV/TAV
LUM	upregulated	Guauque-Olarte et al. 2015 Kossar et al. 2020 Qiao et al. 2022	Mild/Severe AS AS AS	TAV TAV TAV
LY6H	upregulated	Greene et al. 2020	AS	BAV/TAV
LY9	upregulated	Bossé et al. 2009	AS	TAV
LY96	upregulated	Qiao et al. 2022	AS	TAV
LYN	upregulated	Qiao et al. 2022	AS	TAV
LYZ	upregulated	Qiao et al. 2022 Teng et al. 2020 Zhu et al. 2019	AS AS AS	TAV BAV/TAV BAV/TAV
MAB21L1	downregulated	Bossé et al. 2009	AS	TAV
MAGEA4	downregulated	Bossé et al. 2009	AS	TAV
MAL	downregulated	Bossé et al. 2009	AS	TAV
MALAT1	upregulated	Bossé et al. 2009	AS	TAV
MAMDC2	downregulated	Qiao et al. 2022	AS	TAV
MAP2	downregulated	Bossé et al. 2009	AS	TAV
MAP2K6	downregulated	Bossé et al. 2009	AS	TAV
MAP3K7CL	upregulated	Qiao et al. 2022	AS	TAV
MAPK13	upregulated	Bossé et al. 2009 Qiao et al. 2022	AS AS	TAV TAV
MAPT	downregulated	Bossé et al. 2009 Teng et al. 2020	AS AS	TAV BAV/TAV
MAS1	downregulated	Peltonen et al. 2011	AS	BAV/TAV
MASP1	downregulated	Bossé et al. 2009 Teng et al. 2020 Zhang y Ma. 2019 Zhu et al. 2019	AS AS AS AS	TAV BAV/TAV BAV/TAV BAV/TAV
MATN2	downregulated	Bossé et al. 2009 Zhu et al. 2019	AS AS	TAV BAV/TAV
MCTP1	upregulated	Bossé et al. 2009	AS	TAV
MEF2A	downregulated	Bossé et al. 2009	AS	TAV
MEIS2	downregulated	Bossé et al. 2009 Qiao et al. 2022 Zhang y Ma. 2019 Zhu et al. 2019	AS AS AS AS	TAV TAV BAV/TAV BAV/TAV
MEIS3P1	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
MFAP2	upregulated	Bossé et al. 2009	AS	TAV
MFAP5	upregulated	Bossé et al. 2009 Qiao et al. 2022 Zhang y Ma. 2019 Zhu et al. 2019	AS AS AS AS	TAV TAV BAV/TAV BAV/TAV
MGST1	downregulated	Bossé et al. 2009 Qiao et al. 2022	AS AS	TAV TAV
MMP10	upregulated	Anger et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
MMP19	upregulated	Anger et al. 2009	AS	TAV
MMP7	upregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
MOXD1	upregulated	Bossé et al. 2009	AS	TAV
MPPED2	downregulated	Qiao et al. 2022	AS	TAV
MS4A1	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
MS4A14	upregulated	Bossé et al. 2009	AS	TAV
MTSS1	upregulated	Bossé et al. 2009	AS	TAV
MTURN	downregulated	Qiao et al. 2022	AS	TAV
MTUS1	downregulated	Bossé et al. 2009	AS	TAV
MXI1	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
MXRA5	upregulated	Qiao et al. 2022	AS	TAV
MYO10	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
MYO1D	upregulated	Qiao et al. 2022	AS	TAV
MYO1F	upregulated	Qiao et al. 2022	AS	TAV
MYO5A	upregulated	Bossé et al. 2009	AS	TAV
MYO5C	upregulated	Bossé et al. 2009	AS	TAV
MYRIP	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
MZB1	upregulated	Zhu et al. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
NAALAD2	downregulated	Zhu et al. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
NABP1	upregulated	Qiao et al. 2022	AS	TAV
NAIP	upregulated	Bossé et al. 2009	AS	TAV
NAP1L2	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
NBEA	downregulated	Zhu et al. 2019	AS	BAV/TAV
NCAM1	downregulated	Bossé et al. 2009	AS	TAV
NCOR2	upregulated	Bossé et al. 2009	AS	TAV
NDRG2	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
NDRG4	downregulated	Bossé et al. 2009	AS	TAV
NEDD1	upregulated	Bossé et al. 2009	AS	TAV
NEK6	upregulated	Bossé et al. 2009	AS	TAV
NELL2	upregulated	Greene et al. 2020	AS	BAV/TAV
NETO2	downregulated	Bossé et al. 2009	AS	TAV
NEURL2	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Bossé et al. 2009	AS	TAV
NFIA	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
NFKB1	downregulated	Anger et al. 2009	AS	TAV
NID2	upregulated	Bossé et al. 2009	AS	TAV
NMES1	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
NOTCH3	upregulated	Qiao et al. 2022	AS	TAV
NPAS3	downregulated	Bossé et al. 2009	AS	TAV
NPL	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
NPR1	downregulated	Peltonen et al. 2007	AS	BAV/TAV
NPR2	downregulated	Peltonen et al. 2007	AS	BAV/TAV
NPY	downregulated	Greene et al. 2020	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
NR4A2	downregulated	Zhu et al. 2019	AS	BAV/TAV
NRP2	upregulated	Bossé et al. 2009	AS	TAV
NSG1	downregulated	Qiao et al. 2022	AS	TAV
NTN4	downregulated	Qiao et al. 2022	AS	TAV
NTRK2	downregulated	Bossé et al. 2009	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV

Gene	Sense	Author	Diagnostic	Configuration
		Zhu et al. 2019	AS	BAV/TAV
NUDT10	downregulated	Bossé et al. 2009	AS	TAV
NUSAP1	upregulated	Bossé et al. 2009	AS	TAV
NXPH4	upregulated	Greene et al. 2020	AS	BAV/TAV
OIP5-AS1	downregulated	Hadij et al. 2016	AS	TAV
OLFML2A	downregulated	Qiao et al. 2022	AS	TAV
OLR1	upregulated	Qiao et al. 2022	AS	TAV
OPCML	downregulated	Bossé et al. 2009	AS	TAV
OR51E1	upregulated	Greene et al. 2020	AS	BAV/TAV
OSP	upregulated	Breyne et al. 2010	AS	BAV/TAV
OSR1	downregulated	Qiao et al. 2022	AS	TAV
OSR2	upregulated	Bossé et al. 2009	AS	TAV
OTC	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
OXTR	upregulated	Qiao et al. 2022	AS	TAV
P2RX6	downregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
P2RY12	downregulated	Bossé et al. 2009	AS	TAV
P2RY14	downregulated	Bossé et al. 2009	AS	TAV
P4HB	upregulated	Bossé et al. 2009	AS	TAV
PAMR1	downregulated	Qiao et al. 2022	AS	TAV
PAPOLA	downregulated	Bossé et al. 2009	AS	TAV
PARVG	upregulated	Teng et al. 2020	AS	BAV/TAV
PAXBP1	downregulated	Bossé et al. 2009	AS	TAV
PCDH1	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
PCDH11Y	downregulated	Bossé et al. 2009	AS	TAV
PCDH12	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Qiao et al. 2022	AS	TAV
PCDH20	downregulated	Bossé et al. 2009	AS	TAV
PCDH9	downregulated	Bossé et al. 2009	AS	TAV
PCDHB14	downregulated	Bossé et al. 2009	AS	TAV
PCDHB5	downregulated	Bossé et al. 2009	AS	TAV
PCLAF	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PCSK1	upregulated	Bossé et al. 2009	AS	TAV
PDE3B	downregulated	Bossé et al. 2009	AS	TAV
PDIA5	upregulated	Bossé et al. 2009	AS	TAV
PDPN	upregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
PDZK1	downregulated	Bossé et al. 2009	AS	TAV
PEBP4	downregulated	Bossé et al. 2009	AS	TAV
PFN1	upregulated	Bossé et al. 2009	AS	TAV
PGM5	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
PGRMC1	downregulated	Teng et al. 2020	AS	BAV/TAV
PHF17	downregulated	Bossé et al. 2009	AS	TAV
PHKA1	downregulated	Bossé et al. 2009	AS	TAV
PI15	upregulated	Zhu et al. 2019	AS	BAV/TAV
PIAS1	downregulated	Bossé et al. 2009	AS	TAV
PIK3AP1	upregulated	Qiao et al. 2022	AS	TAV
PIK3CG	upregulated	Yang et al. 2020	AS	BAV/TAV
PIK3R1	downregulated	Bossé et al. 2009	AS	TAV
PILRA	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
PIM1	upregulated	Qiao et al. 2022	AS	TAV
PIM2	upregulated	Qiao et al. 2022	AS	TAV
PIR	downregulated	Bossé et al. 2009	AS	TAV
		Bossé et al. 2009	AS	TAV
PKHD1L1	downregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PKIA	downregulated	Bossé et al. 2009	AS	TAV
PKP2	downregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
PLA1A	downregulated	Qiao et al. 2022	AS	TAV
PLA2G4A	downregulated	Bossé et al. 2009	AS	TAV
		Mahmut et al. 2014	AS	BAV/TAV
PLA2G5	downregulated	Bossé et al. 2009	AS	TAV
		Mahmut et al. 2014	AS	BAV/TAV
PLCE1	downregulated	Bossé et al. 2009	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
PLCH1	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PLD3	upregulated	Bossé et al. 2009	AS	TAV
PLEK	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
PLEK2	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
PLEKHA6	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PLEKHB1	downregulated	Bossé et al. 2009	AS	TAV
PLEKHG1	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
PLEKHS1	upregulated	Greene et al. 2020	AS	BAV/TAV
PLLP	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
PLOD2	upregulated	Bossé et al. 2009	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
PLPP3	downregulated	Mkannenez et al. 2018	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PLVAP	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
PLXNC1	upregulated	Bossé et al. 2009	AS	TAV
PMP22	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
PNKD	upregulated	Bossé et al. 2009	AS	TAV
PNMT	downregulated	Cantor et al. 2021	AS	TAV
PNP	upregulated	Qiao et al. 2022	AS	TAV
POF1B	downregulated	Bossé et al. 2009	AS	TAV
POU2F2	upregulated	Bossé et al. 2009	AS	TAV
PPAR	upregulated	Anger et al. 2009	AS	TAV
PPM1H	downregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
PPP1R1B	downregulated	Greene et al. 2020	AS	BAV/TAV
PPP1R9A	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PPP4R2	upregulated	Bossé et al. 2009	AS	TAV
PRDM1	upregulated	Zhu et al. 2019	AS	BAV/TAV
PRG1	upregulated	Bossé et al. 2009	AS	TAV
PRIMA1	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PRINS	upregulated	Hadji et al. 2016	AS	TAV
PRLR	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PRND	upregulated	Greene et al. 2020	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
PRSS23	downregulated	Bossé et al. 2009	AS	TAV
PRSS35	upregulated	Bossé et al. 2009	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
PRTFDC1	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
PSMD9	downregulated	Yang et al. 2020	AS	BAV/TAV
PTCHD1	downregulated	Bossé et al. 2009	AS	TAV
PTENP1-AS	downregulated	Hadji et al. 2016	AS	TAV
PTGER2	upregulated	Bossé et al. 2009	AS	TAV
PTGER4	upregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
PTGS2	downregulated	Qiao et al. 2022	AS	TAV
PTHLH	downregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
PTPRB	downregulated	Bossé et al. 2009	AS	TAV
PTPRC	upregulated	Bossé et al. 2009	AS	TAV
PTPRG	downregulated	Bossé et al. 2009	AS	TAV
PWWP3B	downregulated	Bossé et al. 2009	AS	TAV
		Cantor et al. 2021	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
PXDN	upregulated	Bossé et al. 2009	AS	TAV
PXDNL	downregulated	Bossé et al. 2009	AS	TAV
QSER1	upregulated	Bossé et al. 2009	AS	TAV
RADX	downregulated	Bossé et al. 2009	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
RAN	downregulated	Yang et al. 2020	AS	BAV/TAV
RANBP9	upregulated	Bossé et al. 2009	AS	TAV
RAP2B	upregulated	Bossé et al. 2009	AS	TAV
RARRES1	upregulated	Bossé et al. 2009	AS	TAV
RASAL3	upregulated	Qiao et al. 2022	AS	TAV
RASGEF1A	upregulated	Bossé et al. 2009	AS	TAV
RASGRP3	upregulated	Qiao et al. 2022	AS	TAV
RBL2	downregulated	Bossé et al. 2009	AS	TAV
RBM22	upregulated	Bossé et al. 2009	AS	TAV
RBM25	downregulated	Bossé et al. 2009	AS	TAV
RBMS3	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
REN	downregulated	Peltonen et al. 2011	AS	BAV/TAV
RERG	downregulated	Bossé et al. 2009	AS	TAV
RFX8	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
RGS1	upregulated	Yang et al. 2020	AS	BAV/TAV
RGS13	upregulated	Bossé et al. 2009	AS	TAV
RGS16	upregulated	Bossé et al. 2009	AS	TAV
RGS19	upregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
RGS4	upregulated	Qiao et al. 2022	AS	TAV
RHAG	downregulated	Greene et al. 2020	AS	BAV/TAV
RHOB	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
RHOBTB3	downregulated	Qiao et al. 2022	AS	TAV
RMST	downregulated	Bossé et al. 2009	AS	TAV
RNASE2	upregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
RNF180	downregulated	Bossé et al. 2009	AS	TAV
ROR2	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
RORA	downregulated	Bossé et al. 2009	AS	TAV
RPL23A	upregulated	Yang et al. 2020	AS	BAV/TAV
RPS12P5	downregulated	Greene et al. 2020	AS	BAV/TAV
RRM2	upregulated	Bossé et al. 2009	AS	TAV
RUNX1	upregulated	Bossé et al. 2009	AS	TAV
RUNX1-IT1	upregulated	Bossé et al. 2009	AS	TAV
RUNX2	upregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
RUNX3	upregulated	Bossé et al. 2009	AS	TAV
S100A11	upregulated	Bossé et al. 2009	AS	TAV
S100B	downregulated	Bossé et al. 2009	AS	TAV
SALL1	downregulated	Bossé et al. 2009	AS	TAV
SAMD3	upregulated	Bossé et al. 2009	AS	TAV
SAMSN1	upregulated	Bossé et al. 2009	AS	TAV
SASH3	upregulated	Qiao et al. 2022	AS	TAV
SCN7A	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SCO2	upregulated	Qiao et al. 2022	AS	TAV
SDC1	upregulated	Zhu et al. 2019	AS	BAV/TAV
SEL1L3	upregulated	Qiao et al. 2022	AS	TAV
SELENBP1	downregulated	Qiao et al. 2022	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
SERPINA1	upregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
SERPINE1	upregulated	Bossé et al. 2009	AS	TAV
SESTD1	downregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
SFRP1	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
SFRP2	upregulated	Qiao et al. 2022	AS	TAV
SGCE	upregulated	Sun et al. 2021	AS	BAV/TAV
SGSM1	downregulated	Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
SH2D1A	upregulated	Bossé et al. 2009	AS	TAV
SH3KBP1	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
SH3RF2	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SIGLEC7	upregulated	Bossé et al. 2009	AS	TAV
sIL-1RAcP	downregulated	Anger et al. 2009	AS	TAV
SLAMF7	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SLC11A1	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SLC14A1	downregulated	Bossé et al. 2009	AS	TAV
SLC15A2	downregulated	Bossé et al. 2009	AS	TAV
SLC16A10	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SLC16A3	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SLC16A6	upregulated	Bossé et al. 2009	AS	TAV
SLC20A1	upregulated	Sun et al. 2021	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
SLC27A6	downregulated	Greene et al. 2020	AS	BAV/TAV
SLC2A3	upregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
SLC2A5	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SLC39A8	upregulated	Bossé et al. 2009	AS	TAV
SLC45A2	upregulated	Zhu et al. 2019	AS	BAV/TAV
SLC5A4	downregulated	Teng et al. 2020	AS	BAV/TAV
SLC6A16	downregulated	Bossé et al. 2009	AS	TAV
SLCO4A1	downregulated	Bossé et al. 2009	AS	TAV
SLITRK5	downregulated	Bossé et al. 2009	AS	TAV
SLP1	upregulated	Teng et al. 2020	AS	BAV/TAV
SMCO4	upregulated	Qiao et al. 2022	AS	TAV
SMOC2	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
SMTNL2	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
SNAP91	downregulated	Bossé et al. 2009	AS	TAV
SNRPD3	downregulated	Yang et al. 2020	AS	BAV/TAV
SNX1	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
SOCS3	upregulated	Bossé et al. 2009	AS	TAV
		Kossar et al. 2020	AS	TAV
SOD2	upregulated	Bossé et al. 2009	AS	TAV
SOS1	downregulated	Bossé et al. 2009	AS	TAV
SOST	downregulated	Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
Sox11	downregulated	Anger et al. 2009	AS	TAV
Sox18	downregulated	Anger et al. 2009	AS	TAV
SOX2-OT	downregulated	Hadji et al. 2016	AS	TAV
Sox30	upregulated	Anger et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
SPATA22	downregulated	Bossé et al. 2009	AS	TAV
SPHK1	upregulated	Bossé et al. 2009	AS	TAV
SPOCK2	upregulated	Bossé et al. 2009	AS	TAV
SPOCK3	downregulated	Bossé et al. 2009	AS	TAV
SPON1	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
SPON2	upregulated	Bossé et al. 2009	AS	TAV
SPRY2	downregulated	Qiao et al. 2022	AS	TAV
SPSB1	upregulated	Qiao et al. 2022	AS	TAV
SPTBN1	downregulated	Zhang y Ma. 2019	AS	BAV/TAV
SRGN	upregulated	Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SSTR1	downregulated	Bossé et al. 2009	AS	TAV
SSX2IP	downregulated	Bossé et al. 2009	AS	TAV
ST6GALNAC1	downregulated	Bossé et al. 2009	AS	TAV
ST8SIA4	upregulated	Zhu et al. 2019	AS	BAV/TAV
STAT4	upregulated	Bossé et al. 2009	AS	TAV
STC1	upregulated	Qiao et al. 2022	AS	TAV
STEAP1	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
STON2	downregulated	Bossé et al. 2009	AS	TAV
STXBP6	downregulated	Bossé et al. 2009	AS	TAV
SUGCT	upregulated	Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
SUGGT	upregulated	Teng et al. 2020	AS	BAV/TAV
SULF1	upregulated	Qiao et al. 2022	AS	TAV
SURF4	downregulated	Sun et al. 2021	AS	BAV/TAV
SYBU	downregulated	Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
SYK	upregulated	Qiao et al. 2022	AS	TAV
SYN2	downregulated	Bossé et al. 2009	AS	TAV
SYTL2	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
SYTL4	downregulated	Bossé et al. 2009	AS	TAV
TAC1	downregulated	Bossé et al. 2009	AS	TAV
TAGLN	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
TARP	upregulated	Bossé et al. 2009	AS	TAV
TASOR2	downregulated	Bossé et al. 2009	AS	TAV
TBX2	upregulated	Qiao et al. 2022	AS	TAV
TBXA2R	upregulated	Bossé et al. 2009	AS	TAV
TCERG1	downregulated	Bossé et al. 2009	AS	TAV
TENM3	downregulated	Bossé et al. 2009	AS	TAV
TESC	upregulated	Bossé et al. 2009	AS	TAV
TEX11	downregulated	Bossé et al. 2009	AS	TAV
TFPI2	downregulated	Bossé et al. 2009	AS	TAV
TGFA	upregulated	Bossé et al. 2009	AS	TAV
TGFB1	upregulated	Anger et al. 2009	AS	TAV
TGFB2	upregulated	Anger et al. 2009	AS	TAV
TGM2	upregulated	Bossé et al. 2009	AS	TAV
THBS1	upregulated	Bossé et al. 2009	AS	TAV
THEMIS	upregulated	Bossé et al. 2009	AS	TAV
THEMIS2	upregulated	Bossé et al. 2009	AS	TAV
THRSP	downregulated	Bossé et al. 2009	AS	TAV
THSD4	downregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
TIMD4	upregulated	Teng et al. 2020	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
TIMP3	downregulated	Anger et al. 2009	AS	TAV
TIMPs	downregulated	Anger et al. 2009	AS	TAV
TIPARP	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
TLCD4	downregulated	Zhu et al. 2019	AS	BAV/TAV
TLR7	upregulated	Qiao et al. 2022	AS	TAV
TLR8	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
TM4SF18	upregulated	Teng et al. 2020	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
TM7SF2	downregulated	Greene et al. 2020	AS	BAV/TAV
TMC6	upregulated	Bossé et al. 2009	AS	TAV
TMEFF2	downregulated	Bossé et al. 2009	AS	TAV
TMEM100	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
TMEM108	downregulated	Bossé et al. 2009	AS	TAV
TMEM119	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Bossé et al. 2009	AS	TAV
TMEM132C	downregulated	Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
TMEM158	upregulated	Sun et al. 2021	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
		Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
TMEM163	upregulated	Bossé et al. 2009	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
TMEM200A	upregulated	Bossé et al. 2009	AS	TAV
		Greene et al. 2020	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
TMEM245	downregulated	Bossé et al. 2009	AS	TAV
TMEM38A	downregulated	Bossé et al. 2009	AS	TAV
TMEM51	upregulated	Qiao et al. 2022	AS	TAV
TMOD1	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
Tnf	downregulated	Anger et al. 2009	AS	TAV
TNFAIP8L1	upregulated	Bossé et al. 2009	AS	TAV
TNFRSF11B	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
TNFRSF12A	upregulated	Bossé et al. 2009	AS	TAV
TNFSF15	upregulated	Greene et al. 2020	AS	BAV/TAV
TNRC6B	downregulated	Bossé et al. 2009	AS	TAV
TOP2A	upregulated	Bossé et al. 2009	AS	TAV
TPD52L1	downregulated	Qiao et al. 2022	AS	TAV
TPPP	downregulated	Bossé et al. 2009	AS	TAV
TPSAB1	upregulated	Qiao et al. 2022	AS	TAV
TRAF3	upregulated	Anger et al. 2009	AS	TAV
TRAF3IP3	upregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
TRAF4a	upregulated	Anger et al. 2009	AS	TAV
TRAT1	upregulated	Bossé et al. 2009	AS	TAV
TRBC1	upregulated	Bossé et al. 2009	AS	TAV
		Sun et al. 2021	AS	BAV/TAV
TRBV19	upregulated	Bossé et al. 2009	AS	TAV
TRBV21-1	upregulated	Bossé et al. 2009	AS	TAV
TRBV3-1	upregulated	Bossé et al. 2009	AS	TAV
TRBV5-4	upregulated	Bossé et al. 2009	AS	TAV
TRDN	downregulated	Bossé et al. 2009	AS	TAV
TREM2	upregulated	Qiao et al. 2022	AS	TAV
TRGC2	upregulated	Bossé et al. 2009	AS	TAV
TRGV2	upregulated	Bossé et al. 2009	AS	TAV
TRGV9	upregulated	Bossé et al. 2009	AS	TAV
TRHDE	downregulated	Bossé et al. 2009	AS	TAV
		Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhu et al. 2019	AS	BAV/TAV
TRHDE-AS1	downregulated	Guauque-Olarte et al. 2015	Mild/Severe AS	TAV
TRIM2	downregulated	Bossé et al. 2009	AS	TAV

Gene	Sense	Author	Diagnostic	Configuration
TRIM59	upregulated	Bossé et al. 2009	AS	TAV
TRPM3	downregulated	Bossé et al. 2009	AS	TAV
TSC22D3	downregulated	Bossé et al. 2009	AS	TAV
TSPAN13	upregulated	Bossé et al. 2009	AS	TAV
TSPAN8	downregulated	Bossé et al. 2009	AS	TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhu et al. 2019	AS	BAV/TAV
TSPYL5	downregulated	Qiao et al. 2022	AS	TAV
TTC12	downregulated	Bossé et al. 2009	AS	TAV
TUBA1A	upregulated	Yang et al. 2020	AS	BAV/TAV
TUBAL3	downregulated	Bossé et al. 2009	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
TYROBP	upregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
UBASH3B	upregulated	Bossé et al. 2009	AS	TAV
UGCG	upregulated	Bossé et al. 2009	AS	TAV
ULK4P1	upregulated	Bossé et al. 2009	AS	TAV
UNC5A	upregulated	Greene et al. 2020	AS	BAV/TAV
USP14	downregulated	Yang et al. 2020	AS	BAV/TAV
USP53	downregulated	Bossé et al. 2009	AS	TAV
VAMP8	upregulated	Qiao et al. 2022	AS	TAV
VAV1	upregulated	Qiao et al. 2022	AS	TAV
VDR	upregulated	Bossé et al. 2009	AS	TAV
VMP1	upregulated	Qiao et al. 2022	AS	TAV
		Qiao et al. 2022	AS	TAV
		Teng et al. 2020	AS	BAV/TAV
		Yang et al. 2020	AS	BAV/TAV
VWF	upregulated	Zhang y Ma. 2019	AS	BAV/TAV
		Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
		Zhang y Ma. 2019	AS	BAV/TAV
WAS	upregulated	Qiao et al. 2022	AS	TAV
		Zhang y Ma. 2019	AS	BAV/TAV
WASF2	downregulated	Bossé et al. 2009	AS	TAV
WDR17	downregulated	Bossé et al. 2009	AS	TAV
WFDC1	upregulated	Qiao et al. 2022	AS	TAV
WLS	downregulated	Qiao et al. 2022	AS	TAV
WNK3	downregulated	Zhu et al. 2019	AS	BAV/TAV
WSB1	downregulated	Bossé et al. 2009	AS	TAV
XCL2	upregulated	Bossé et al. 2009	AS	TAV
XKR4	downregulated	Bossé et al. 2009	AS	TAV
XRCC6	upregulated	Yang et al. 2020	AS	BAV/TAV
ZBTB16	downregulated	Bossé et al. 2009	AS	TAV
ZC2HC1A	downregulated	Bossé et al. 2009	AS	TAV
ZMYND11	downregulated	Bossé et al. 2009	AS	TAV
ZNF124	upregulated	Bossé et al. 2009	AS	TAV
ZYX	upregulated	Bossé et al. 2009	AS	TAV