Whole exome sequencing identifies genetic variants in inherited thrombocytopenia with secondary qualitative function defects

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 doi:10.3324/haematol.2016.146316

Received: March 17, 2016.

Accepted: June 10, 2016.

Pre-published: June 16, 2016.

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Supplementary Table 1

IT related panel genes utilised for WES bioinformatics analysis. Percentage of each gene covered ≤20x is also shown.

Gene	Percentage covered 20x
ABCA12	95,78903846
ABCB4	91,87596154
ABCC4	94,33057692
ABCG5	94,33923077
ABCG8	94,58923077
ACSL4	89,83423077
ACTN1	95,97653846
ACVRL1	86,78846154
ADAMTS13	82,55192308
ADCY3	94,18192308
ADCY6	96,89115385
ADCY7	93,01884615
ADORA2B	99,71942308
ADRA2A	88,06634615
ADRA2B	99,77769231
ADRBK1	96,19711538
AK3	55,78346154
AKT1	96,86942308
AKT2	95,20153846
ALOX12	93,64807692
ANKRD12	93,75903846
ANKRD18A	33,42519231
ANKRD18B	33,72769231
ANKRD26	88,99711538
ANKRD33	99,03942308
AP3B1	94,50730769
AP3D1	91,79173077
AP3M1	96,0675
AP3S1	52,58692308
APC	98,35365385
ARHGAP1	92,67423077

ARHGAP17	90,04076923
ARHGAP32	97,34884615
ARHGAP6	90,92846154
ARHGDIA	99,87653846
ARHGDIB	94,91942308
ARHGEF12	94,94096154
ARHGEF3	92,61442308
ARRB1	96,75096154
ASPN	95,82096154
BAK1	84,71307692
BCL2L1	95,73134615
BCOR	95,31596154
BET1L	88,50326923
BLOC1S1	87,50596154
BLOC1S2	84,00711538
BLOC1S3	64,64711538
BLOC1S4	0
BLOC1S5	0
BLOC1S6	0
BMP4	99,61769231
BTBD9	88,92961538
BTK	90,95365385
C14orf133	93,49211538
C19orf55	95,45673077
C20orf42	98,17076923
C6orf25	94,98673077
CD226	96,20423077
CD36	95,57326923
CHD3	87,89211538
CLEC1B	84,17692308
CLEC4F	96,99903846
CNO	68,97596154
CSK	91,53903846
CTTN	92,78730769

CYCS	76,61653846
DAAM1	91,85519231
DIAPH1	90,83076923
DIAPH2	88,93423077
DIAPH3	90,49826923
DNAH11	94,54923077
DNM1L	90,95442308
DNM2	90,57903846
DNM3	93,96403846
DTNBP1	97,78865385
EFNB1	94,40038462
EPHA4	96,95403846
EPHB1	92,37596154
ERG	96,33038462
ETS1	96,40730769
ETV6	95,02826923
EXOC1	93,74442308
F2R	98,79557692
F2RL3	94,01692308
FARP2	95,73269231
FCER1G	83,29288462
FCGR2A	67,57211538
FERMT1	91,73211538
FERMT3	95,51115385
FGD3	94,28884615
FGR	98,005
FHOD1	96,28326923
FLI1	94,73076923
FLII	93,37019231
FLNA	97,00788462
FMNL1	81,43192308
FMNL3	92,46903846
FYN	95,37461538
GATA1	92,99692308

GDI2	85,11634615
GFI1	95,03865385
GFI1B	94,83923077
GNA12	91,09903846
GNA13	99,22730769
GNAI1	83,15596154
GNAI2	97,37134615
GNAQ	82,19326923
GNAZ	99,58403846
GNB2	95,55461538
GNB3	98,4325
GNG11	95,51576923
GNG12	99,955
GNG13	82,95346154
GNG5	57,10211538
GP1BA	98,47846154
GP1BB	48,24865385
GP5	94,20826923
GP6	87,45961538
GP9	85,64980769
GRAP2	92,87307692
GRB2	96,925
GRK5	93,96980769
GRK6	93,00576923
GUCY1A3	99,19346154
GUCY1B3	94,70807692
HBB	100
HOOK3	90,58788462
HOXA11	98,39903846
HPS1	90,14211538
HPS4	97,02096154
HTR2A	98,28846154
INPP5D	96,43903846
ITGA2	94,87115385

ITGA2B	90,47326923
ITGA5	92,47230769
ITGB1	91,83923077
ITGB3	91,50692308
ITPR1	94,55153846
JAK2	91,67096154
JMJD1C	96,59538462
KIAA1109	96,005
KIAA2018	99,5275
LAIR1	92,38615385
LAT	96,34288462
LCP2	90,20923077
LPAR1	98,79923077
LTBP1	93,08288462
LY6G6F	98,07923077
LYN	90,19884615
LYST	95,22557692
MAP2K2	94,87903846
MAP2K4	71,90673077
MAP3K9	93,925
MAPK1	96,88
MAPK13	98,06653846
MAPK14	98,94038462
MAPK8	96,26557692
MDS1	0
MECOM	97,42153846
MKL1	92,5525
MLK1	0
MLPH	83,94865385
MMP17	83,83634615
MNX1	64,92788462
MPL	95,89403846
MRPS34	96,49923077
MUC16	98,12096154

MUC2	92,51884615
MUTED	95,05711538
MYB	92,59384615
MYH10	95,62423077
MYH13	88,64865385
MYH9	96,80057692
MYL9	90,89884615
MYLK	95,07519231
MYLK2	93,62173077
MYO18B	89,13384615
MYO3A	93,55019231
MYO5A	94,82423077
MYO5B	87,30557692
NAPA	95,39730769
NAPG	92,46403846
NBEA	86,9125
NBEAL2	97,56807692
NFE2	99,05153846
NIPSNAP3A	90,91269231
NOTCH1	89,38865385
NOX1	88,43692308
NRG3	96,13076923
NSF	37,36192308
NXF1	94,20769231
ORAI1	92,00634615
P2RX1	96,11173077
P2RY1	99,26365385
P2RY12	100
P2RY13	100
PDE2A	90,25076923
PDE3A	90,60538462
PDE4D	93,30769231
PDE5A	95,16384615
PDPK1	36,81807692

PDZD3	95,2925
PDZK1	15,58576923
PEAR1	96,45153846
PECAM1	100
PGM3	94,78634615
PHOX2A	54,54903846
PIK3CA	90,36384615
PIK3CB	94,71692308
PIK3CD	87,63288462
PIK3CG	98,25461538
PIK3R1	95,99730769
PIK3R3	96,83307692
PIK3R5	96,96980769
PLA2G4A	96,91615385
PLA2G4C	93,49153846
PLCB2	97,0875
PLCB3	92,18576923
PLCG2	94,48692308
PLDN	75,15980769
PPP1CA	99,00038462
PPP1CB	97,86730769
PPP1CC	98,79423077
PPP1R12A	91,18615385
PPP1R12C	78,43576923
PPP1R14A	85,47346154
PPP1R2	45,66384615
PRKACA	96,39538462
PRKACB	92,21788462
PRKACG	100
PRKAR1A	77,49673077
PRKAR2A	94,83557692
PRKCA	92,09307692
PRKCB	94,39903846
PRKCD	96,76076923

PRKCQ	91,7475
PRKD1	98,66307692
PRKG1	91,3625
PRKG2	95,72442308
PTEN	83,83673077
PTGIR	92,86269231
PTGS1	99,03711538
PTK2	93,98653846
PTPN1	93,99519231
PTPN11	55,94115385
PTPN12	95,05057692
PTPN18	91,53596154
PTPN2	70,88884615
PTPN6	94,96384615
PTPN7	88,78
PTPN9	92,46019231
PTPRA	97,68
PTPRC	91,14269231
PTPRJ	92,07307692
RAB27A	99,31019231
RAB27B	97,62057692
RAB38	99,27326923
RAB4A	90,98846154
RABGGTA	90,39365385
RAC1	56,83538462
RAF1	93,3425
RAI1	98,35096154
RAP1B	58,62884615
RAP1GAP	92,23673077
RAP1GAP2	94,07826923
RAP1GDS1	85,94403846
RASGRP2	90,82
RBM8A	85,60326923
RGS10	90,32192308

RGS18	94,02134615
RGS19	96,77903846
RGS20	91,42634615
RGS9	92,94538462
RHOA	95,28730769
RHOC	96,63519231
RHOF	92,28615385
ROCK1	86,35980769
ROCK2	94,94538462
RUNX1	89,41538462
SCAMP2	87,93230769
SCAMP5	85,06346154
SCFD1	94,55307692
SELP	94,06769231
SERPINE2	93,29230769
SH2B3	87,26384615
SIRPA	74,93711538
SLC35D3	90,26326923
SLC9A3R1	94,555
SLC9A3R2	75,83384615
SLFN14	95,47711538
SMAD1	97,22134615
SMAD6	79,03769231
SNAP23	89,95788462
SNAP25	89,25403846
SNAP29	99,19
SNAPIN	93,63538462
SNX1	88,6075
SRA1	94,33307692
SRC	88,58730769
SRF	91,81730769
STIM1	90,21519231
STOM	91,51615385
STX11	99,55711538

STX12	96,40942308
STX2	90,69057692
STX4	93,61519231
STX6	96,60596154
STX7	98,15153846
STXBP1	95,39442308
STXBP2	96,60769231
STXBP3	93,66923077
STXBP4	93,48961538
STXBP5L	95,54057692
STXBP6	88,68615385
SUZ12	70,34346154
SYK	97,63346154
SYTL3	91,77326923
SYTL4	93,77846154
TAL1	76,37923077
TAOK1	93,57307692
TBXA2R	82,61076923
TEC	91,73115385
TGFBR3	94,92346154
THPO	90,60980769
TLN1	97,19653846
TLR2	98,30980769
TMCC2	90,78711538
TPM1	96,63076923
TPM4	77,58057692
TRAF4	95,36480769
TREML1	98,26788462
TRPM7	94,52211538
TTC37	97,67211538
TUBA3C	76,80365385
TUBB1	99,98019231
UNC13A	94,45807692
UNC13B	97,44692308

VAMP2	99,25480769
VAMP3	98,30519231
VAMP7	16,34615385
VAMP8	84,83596154
VAV1	91,29730769
VAV2	95,41961538
VAV3	94,33903846
VPS11	98,45057692
VPS16	94,97403846
VPS18	98,01461538
VPS33A	95,89807692
VPS33B	95,43365385
VPS39	94,17423077
VPS41	91,65442308
VPS4B	97,05673077
VPS52	92,45634615
VPS8	90,68557692
VWF	75,24192308
WAS	82,84884615
WDR66	92,87173077
ZFPMI	66,54634615