

## **Genpanel Bindvävssjukdomar, v58.0, 141 gener**

*ABCC6, ABL1, ACTA2, ACTG2, ACVR1, ADA2, ADAMTS10, ADAMTS17, ADAMTS2, ADAMTSL4, AEBP1, ALDH18A1, APC2, ARIH1, ASPH, ATP6V0A2, ATP6V1A, ATP6V1E1, ATP7A, B3GALT6, B3GAT3, B4GALT7, BGN, BMP1, BMP2, CIR, CIS, CBS, CHST14, COL11A1, COL11A2, COL12A1, COL18A1, COL1A1, COL1A2, COL2A1, COL3A1, COL4A1, COL4A2, COL4A5, COL5A1, COL5A2, COL5A3, COL6A1, COL6A2, COL6A3, COL9A1, COL9A2, COL9A3, COX7B, CTSC, DCHS1, DSE, EFEMP2, ELN, EMILIN1, FBLN5, FBN1, FBN2, FBN3, FKBP14, FLCN, FLNA, FLNB, FOXE3, GALNS, GATA5, GGCX, GLA, GORAB, GSTM1, GSTP1, GSTT1, GUCY1A3, HCN4, JAG1, KCNH1, LOX, LOXL3, LRP5, LRP6, LTBP1, LTBP2, LTBP3, LTBP4, MAT2A, MED12, MFAP5, MMP2, MYH11, MYH7, MYLK, NFIX, NKX2-5, NOTCH1, NPR3, NSD1, OCRL, P3H2, P3H3, P3H4, P4HA1, P4HA2, PIEZO2, PKD1, PKD2, PLOD1, PLOD3, PRDM5, PRKG1, PYCR1, RIN2, RIN3, RNF213, ROBO4, SAMHD1, SERPINE1, SKI, SLC2A10, SLC39A13, SMAD2, SMAD3, SMAD4, SMAD6, TAB2, TGFB1, TGFB2, TGFB3, TGFBR1, TGFBR2, TIMP1, TIMP3, TNXB, TPSAB1, TWIST2, UPF3B, VCAN, VWF, XYLT1, YY1API, ZNF469*