

Supplementary Table 1. Lists of including genes in a short stature targeted panel

	GCG-UP v1 (essential & addendum gene)
Probe name	Celemics G-mendeliome probe
No. of genes	129
Lists of genes	<i>ACTB,ACTG1,ADAMTS10,ADAMTSL2,AMMECR1,ARCN1,ATR,ATRIP,B3GAT3,BCS1L,BMPRI1,BRAF,CBL,CCDC8,CDC45,CDC6,CDT1,CENPJ,CEP152,CEP63,CLASP1,COL27A1,CREBBP,CUL7,DHCR7,DONSON,DVL1,EP300,EXT1,FBN1,FGD1,FGFR1,FGFR3,FN1,GDF5,GH1,GHR,GHRHR,GHSR,GLI2,GLI3,GNAS,HDAC8,HESX1,HRAS,DUA,IFT122,IFT140,IGF1,IGF1R,IGFALS,IHH,INPPL1,INSR,IRS1,KDM6A,KMT2D,KRAS,LARP7,LFNG,LHX3,LHX4,LIFR,LTBP2,LZTR1,MAP2K1,MAP2K2,NIPBL,NOTCH2,NPR2,NRAS,OBSL1,ORC1,ORC4,ORC6,OSGEP,OTX2,PCNT,PISD,PITX2,POC1A,POP1,POU1F1,PPP3CA,PRKAR1A,PRMT7,PROP1,PTPN11,PUF60,RAD21,RAF1,RALA,RASA2,RBBP8,RIT1,ROR2,RPS6KA3,RRAS,RTTN,SGMS2,SHOC2,SHOX,SLC35D1,SMAD4,SMARCA2,SMARCAL1,SMARCE1,SMC1A,SMC3,SOS1,SOX11,SOX2,SOX3,SOX9,SRCAP,STAT5B,TALDO1,TBX19,TBX2,TBX3,TOP3A,TRIM37,TRIP11,TRMT10A,TRPS1,WDR19,WDR35,WNT5A,XRCC4,</i>