

Inherited Disease Panel
Gene Panel MODY*, version 1, 18-2-2018

HGNC approved gene symbol	Transcript	OMIM gene ID	Median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>ABCC8</i>	NM_000352	600509	104	100	100	100	99
<i>CEL</i>	NM_001807	114840	129	98	96	95	92
<i>CISD2</i>	NM_001008388	611507	127	100	100	100	100
<i>GATA4</i>	NM_002052	600576	138	100	96	93	91
<i>GATA6</i>	NM_005257	601656	122	98	94	92	90
<i>GCK**</i>	NM_000162	138079	122	100	100	100	100
<i>HNF1A**</i>	NM_000545	142410	128	100	100	100	100
<i>HNF1B**</i>	NM_000458	189907	137	100	100	100	100
<i>HNF4A**</i>	NM_001030003	600281	112	100	100	100	100
<i>INS</i>	NM_000207	176730	87	100	100	100	100
<i>INSR</i>	NM_000208	147670	139	100	99	99	99
<i>KCNJ11</i>	NM_000525	600937	212	100	100	100	100
<i>LMNA</i>	NM_170707	150330	102	100	100	100	100
<i>NEUROD1</i>	NM_002500	601724	174	100	100	100	100
<i>PAX6</i>	NM_001604	607108	150	100	100	100	100
<i>PCBD1</i>	NM_000281	126090	98	100	100	99	99
<i>PDX1</i>	NM_000209	600733	108	99	94	92	90
<i>PLIN1</i>	NM_002666	170290	91	100	100	97	89
<i>POLD1</i>	NM_002691	174761	***	100	100	100	100
<i>PPARG</i>	NM_015869	601487	169	100	100	100	100
<i>RFX6</i>	NM_173560	612659	187	100	100	100	100
<i>TRMT10A</i>	NM_001134665	616013	***	100	100	100	100
<i>WFS1</i>	NM_006005	606201	206	100	100	100	100
<i>ZFP57</i>	NM_001109809	612192	187	100	100	100	100

*MODY (Maturity Onset Diabetes of the Young)

** Core genes (if necessary additional Sanger sequencing will be performed for 100% coverage)

***For these genes Sanger sequencing is performed

MLPA for *GCK*, *HNF1A*, *HNF1B*, *HNF4A*, *KLF11*, *NEUROD1*, *PAX4*, *CEL*, *INS* and *PDX1* is included in the MODY panel