

Description of Additional Supplementary Files

File Name:Supplementary Movie 1

Description: Molecular dynamics simulation of unbound WT HNF1A.

File Name:Supplementary Movie 2

Description: Molecular dynamics simulation of unbound HNF1A H126D mutant.

File Name:Supplementary Data 1

Description: List of 1682 genes that were downregulated in mutant *HNF1A*^{+/*H126D*} endocrine progenitors compared to WT cells. FC > 1.5, P-value ≤ 0.05. Adjusted P-values were determined using Fisher's exact test according to the edgeR protocol (Robinson et al., 2010).

File Name:Supplementary Data 2

Description: List of 512 genes that were upregulated in mutant *HNF1A*^{+/*H126D*} endocrine progenitors compared to WT cells. FC > 1.5, P-value ≤ 0.05. Adjusted P-values were determined using Fisher's exact test according to the edgeR protocol (Robinson et al., 2010).

File Name:Supplementary Data 3

Description: List of 347 common genes that were downregulated in *HNF1A*^{+/*H126D*} in endocrine progenitors and in *HNF1A*^{+/*T260M*} MODY3 islets. FC > 1.5, P-value ≤ 0.05. Adjusted P-values were determined using Fisher's exact test according to the edgeR protocol (Robinson et al., 2010).

File Name:Supplementary Data 4

Description: List of 22 common genes that were downregulated in *HNF1A*^{+/*H126D*} endocrine progenitors and in *HNF1A*^{+/-} hESC-derived β cells. FC > 1.5, P-value ≤ 0.05. Adjusted P-values were determined using Fisher's exact test according to the edgeR protocol (Robinson et al., 2010).

File Name:Supplementary Data 5

Description: List of 394 binding regions from 374 gene targets bound by WT HNF1A but not by H126D mutant in endocrine progenitors.