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| Table E1: |
| |  |  |  | | --- | --- | --- | |  | **forward** **(5’ to 3’)** | **reverse** **(5’ to 3’)** | | **Primer for RT-qPCR** | | | | SDHA | GCAGCACAGGGAGGAATCAA | CCGTCATGTAGTGGATGGCA | | SOCS3 | GGAGTTCCTGGACCAGTACG | TTCTTGTGCTTGTGCCATGT | | **Primer for site-directed mutagenesis (sense oligonucleotides (5’-3’), mutated bases are written in lower case letter)** | | | |  | **forward** **(5’ to 3’)** | **reverse** **(5’ to 3’)** | | c.1276T>C, p.C426R | GGGGGCCGAGCCAATcGTGATGCTTCCCTGATT | AATCAGGGAAGCATCACgATTGGCTCGGCCCCC | | c.1275T>C, p.N425K | AATGGGGGCCGAGCCAAaTGTGATGCTTCCCTG | CAGGGAAGCATCACAtTTGGCTCGGCCCCCATT | | c.1847A>T, p.E616V | AGTGAAAGCAGCAAAGtAGGAGGCGTCACTTTC | GAAAGTGACGCCTCCTaCTTTGCTGCTTTCACT | |

Table E1: Primer sequences used for RT-qPCR and site-directed mutagenesis of STAT3 plasmids.