**Supplementary File 2 | Antibodies and vectors**

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| Antibody | Company |
| Rabbit polyclonal antibody to human PDE12 | Abcam (ab87738) |
| Mouse monoclonal Anti-FLAG M2 | Sigma-Aldrich (F3165) |
| Mouse polyclonal antibody cocktail to human OXPHOS components | Abcam (ab110411) |
| Rabbit polyclonal antibody to human mtPAP | Abcam (ab156684) |
| Rabbit polyclonal antibody to human bL12 | Proteintech Group (14795-1-AP) |
| Rabbit polyclonal antibody to human uL17 | Sigma-Aldrich (HPA043666) |
| Rabbit polyclonal antibody to human bL19 | Proteintech Group (16517-1-AP) |
| Rabbit polyclonal antibody to human uL23 | Proteintech Group (11706-1-AP) |
| Rabbit polyclonal antibody to human mL46 | Atlas Antibodies (HPA050116) |
| Rabbit polyclonal antibody to human uS17 | Proteintech Group (18881-1-AP) |
| Rabbit polyclonal antibody to human mS18b | Proteintech Group (16139-1-AP) |
| Rabbit polyclonal antibody to human mS35 | Proteintech Group (16457-1-AP) |
| Mouse monoclonal antibody to human beta-actin | Sigma-Aldrich (A2228) |
| Rabbit polyclonal antibody to human TOM20 | Santa Cruz Biotechnology (sc-11415) |
| Anti-rabbit IgG-HRP | Promega (W4011) |
| Anti-mouse IgG-HRP | Promega (W4021) |
| Alexa Fluor 594 Goat anti-Rabbit IgG | Thermo Fisher Scientific/ Molecular Probes (A-11012) |
| Alexa Fluor 488 Goat anti-Mouse IgG | Thermo Fisher Scientific/ Molecular Probes (A-11001) |

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| Vectors | Company |
| pOG44 Flp-Recombinase Expression Vector | ThermoFisher Scientific (V600520) |
| pcDNA5/FRT/TO | ThermoFisher Scientific (V652020) |
| pZFN1/pZFN2 (CompoZr zinc finger nucleases) | Sigma-Aldrich |