

Figure S1. Generation of 5-HT₂R constructs. Schematic configuration of 5-HT₂R (5-HT_{2A}, 5-HT_{2B} and 5-HT_{2C}) and DRD2-Dendra2 constructs used for generating stable HEK293A stable cell lines. Schematic created in BioRender.

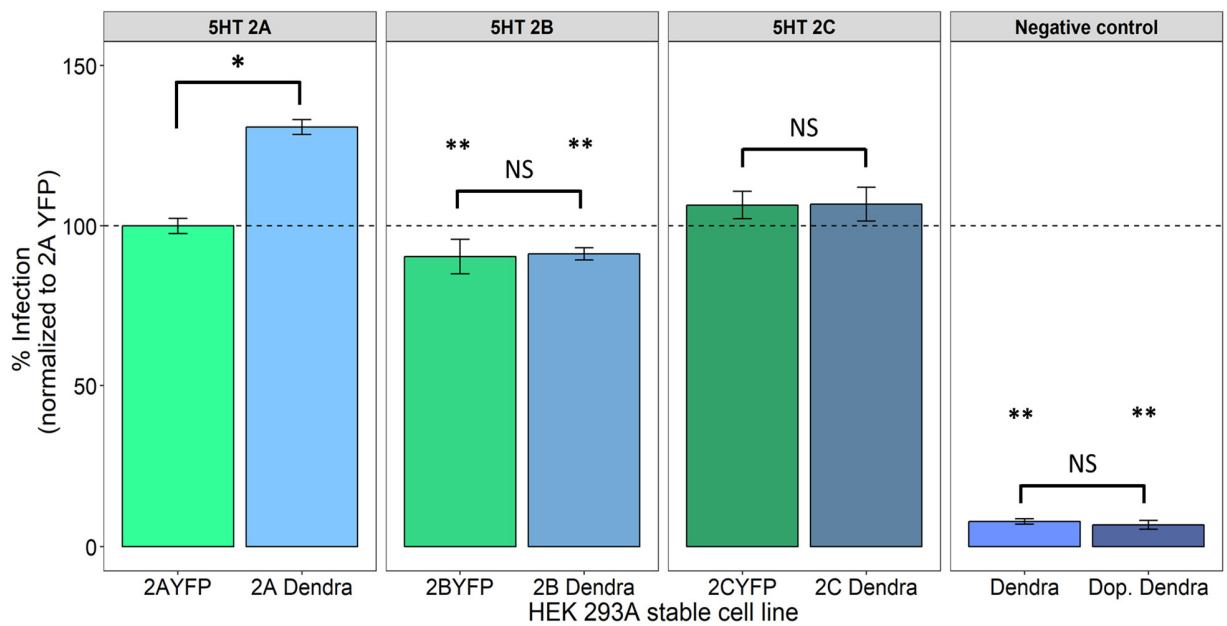


Figure S2. Infectivity assay for 5-HT₂R-Dendra2 expressing HEK293A cells. HEK293A stable cell lines expressing 5-HT₂R-Dendra2 constructs facilitates JCPyV infection. HEK293A cells, expressing 5-HT₂R-YFP (5-HT_{2A}R-YFP, 5-HT_{2B}R-YFP and 5-HT_{2C}R-YFP) and 5-HT₂R-Dendra2 constructs, were infected with JCPyV (MOI= 2 FFU/cell) at 37°C for 48 hrs. Cells were fixed and stained for JCPyV T-Antigen (T-Ag) to measure infectivity. Infection was scored by the presence of nuclear T-Ag at 10x magnification for five fields of view per sample for triplicate samples. Data represent the average of three independent samples. Error bars represent SD. *, $p < 0.05$; NS, not significant; **, $p < 0.05$ vs 5-HT_{2A}R-YFP.