



**Supplementary Figure S4. Overexpression of mDA-ORs in iMN9D cells.** mDA-ORs were cloned from the ventral midbrain into pCDN3.1-Rho tag vector. Plasmids were transiently transfected in iMN9D cells. Expression of mDA-ORs (*olfr166*, *olfr287*, *olfr316*, *olfr558* and *olfr1344*) was verified by western blotting (n=5) (a) and immunofluorescence (n=3) (b) with anti-Rho antibody. pCDN3.1- empty vector and S6 OR expressing plasmid were used as negative and positive controls, respectively. c) HEK 293 cells were transiently transfected with the indicated mDA-ORs and tested as in b.