

| receptor_ID | nanoCAGE libraries | | PCR validation | |
|-------------|--------------------|---------------|----------------|-------------|
| | A9 | A10 | MB | LCM neurons |
| Olfr78 | 0.26 | - | - | NT |
| Olfr118 | 1.8 | - | - | NT |
| Olfr130 | 1.33 | - | - | NT |
| Olfr234 | - | 0.13 | - | NT |
| Olfr287 | - | 3.49 | + | + |
| Olfr299 | - | 3.3 | + | - |
| Olfr316 | 4.29 | - | + | + |
| Olfr420 | - | 4.41 | - | NT |
| Olfr449 | 1.31 | - | - | NT |
| Olfr502 | - | 5.72 | - | NT |
| Olfr723 | 2.71 | 6.98 | - | NT |
| Olfr883 | - | 1.74 | + | + |
| Olfr885 | 0.15 | 1 | - | NT |
| Olfr909 | - | 4.19 | - | NT |
| Olfr958 | - | 3.88 | - | NT |
| Olfr1129 | - | 1.96 | - | NT |
| Olfr1288 | - | 1.3 | + | - |
| Olfr1344 | multiple tags | multiple tags | + | + |
| Olfr1443 | - | 0.34 | - | NT |

Supplementary Table S1. List of mDA-ORs. Complete list of ORs identified by nanoCAGE in A9 and A10 neurons. Expression values (TPM) measured for each receptor is indicated in the appropriate column. No expression is also shown (-). Results from non-quantitative PCR validation in RNA extracted from total midbrain (MB) or from laser capture microdissected (LCM) neurons are indicated (-, negative; +, positive; NT, not tested).