Odorant	Code	CAS#	Epifl. est. conc. (M)	Dilution	Two-photon rel. conc.	Class
propionic acid	C1	79-09-4	2E-11	1E-05	10×	acid
butyric acid	C2	107-92-6	2E-11	1E-05	10×	acid
2-methylbutyric acid	C3	116-53-0	6E-12	1E-05	10×	acid
valeric acid	C4	109-52-4	6E-12	1E-05	10×	acid
isovaleric acid	C5	503-74-2	9E-12	1E-05	10×	acid
2-methyl-2-pentenoic acid	C6	3142-72-1	4E-14	1E-06	10×	acid
hexanoic acid	C7	142-62-1	2E-11	1E-04	10×	acid
heptanoic acid	C8	111-14-8	9E-11	1E-03	10×	acid
methacrolein	*D1*	*78-85-3*	*1E-9*	*1E-05*	*10×*	*aldehyde*
butyraldehyde	D2	123-72-8	6E-09	1E-04	10×	aldehyde
isobutyraldehyde	D3	78-84-2	1E-09	1E-05	10×	aldehyde
2-methylbutyraldehyde	D4	96-17-3	8E-11	1E-05	10×	aldehyde
trans-2-methyl-2-butenal	D5	497-03-0	1E-11	1E-06	10×	aldehyde
valeraldehyde	D6	110-62-3	2E-09	1E-04	10×	aldehyde
isovaleraldehyde	D7	590-86-3	4E-09	1E-04	1×	aldehyde
2-methylvaleraldehyde	D8	123-15-9	1E-10	1E-05	10×	aldehyde
2-methyl-2-pentenal	D9	623-36-9	6E-11	1E-05	1×	aldehyde
hexanal	D10	66-25-1	7E-10	1E-04	10×	aldehyde
heptanal	D11	111-71-7	3E-09	1E-03	10×	aldehyde
octanal	D12	124-13-0	1E-09	1E-03	10×	aldehyde
trans-2-nonenal	D13	18829-56-6	2E-09	1E-02	10×	aldehyde
trans-2,cis-6-nonadienal	D14	557-48-2	2E-09	1E-02	10×	aldehyde
trans-2-dodecenal	D15	20407-84-5	8E-10	1E-01	10×	aldehyde
2-hexyl-2-decenal	D16	13893-39-5	5E-09	1E-01	10×	aldehyde
butyl acetate	E1	123-86-4	9E-10	1E-04	10×	ester
S-methyl thiobutanoate	E2.M1	2432-51-1	2E-10	1E-04	10×	mixed
isoamyl acetate	E3	123-92-2	4E-10	1E-04	10×	ester
hexyl acetate	E4	142-92-7	1E-09	1E-03	10×	ester
ethyl butyrate	E5	105-54-4	1E-09	1E-04	10×	ester
methyl 2-methylbutyrate	E6	868-57-5	2E-10	1E-05	10×	ester
vinyl butyrate	E7	123-20-6	9E-11	1E-05	10×	ester
methyl valerate	E8	624-24-8	8E-10	1E-04	10×	ester
1-octen-3-yl butyrate	E9	16491-54-6	5E-09	1E-01	10×	ester
methyl tiglate	E10	6622-76-0	1E-11	1E-06	10×	ester
ethyl tiglate	E11	5837-78-5	2E-12	1E-06	10×	ester
isopropyl tiglate	E12	1733-25-1	2E-11	1E-05	10×	ester
hexyl tiglate	E13	16930-96-4	4E-10	1E-02	10×	ester
diacetyl	K1	431-03-8	4E-09	1E-04	10×	ketone
2-butanone	*K2*	*78-93-3*	*7E-10*	*1E-05*	*10×*	*ketone*

2-pentanone	*K3*	*107-87-9*	*3E-09*	*1E-04*	*10×*	*ketone*
4-methyl-3-penten-2-one	K4	141-79-7	9.E-10	1E-04	10×	ketone
2-hexanone	K5	591-78-6	1E-09	1E-04	10×	ketone
3-hepten-2-one	K6	1119-44-4	2E-09	1E-03	10×	ketone
5-methyl-2-hepten-4-one	K7	81925-81-7	1E-09	1E-03	10×	ketone
2-octanone	K8	111-13-7	1E-10	1E-04	10×	ketone
3-octen-2-one	K9	1669-44-9	2E-10	1E-04	1×	ketone
2-nonanone	K10	821-55-6	5E-10	1E-03	10×	ketone
1-hexanol	L1	111-27-3	7E-10	1E-03	10×	alcohol
cis-3-hexenol	L2	928-96-1	8E-10	1E-03	10×	alcohol
geraniol	L3	106-24-1	1E-09	1E-02	10×	alcohol
R(-)1-octen-3-ol	L4	3687-48-7	4E-10	1E-03	10×	alcohol
benzaldehyde	AD1	100-52-7	8E-11	1E-04	10×	aromatic ald.
trans-cinnamaldehyde	AD2	14371-10-9	2E-11	1E-03	10×	aromatic ald.
cuminaldehyde	AD3	122-03-2	5E-11	1E-03	10×	aromatic ald.
p-anisaldehyde	AD4	123-11-5	8E-12	1E-05	10×	aromatic ald.
piperonal	AD5	120-57-0	2E-12	1E-03	1×	aromatic ald.
vanillin	AD6	121-33-5	3E-11	1E-01	10×	aromatic ald.
acetophenone	AK1	98-86-2	3E-12	1E-05	10×	aromatic ket./est.
2'-hydroxyacetophenone	AK2	118-93-4	5E-12	1E-04	1×	aromatic ket./est.
2,4-dimethylacetophenone	AK3	89-74-7	6E-13	1E-05	10×	aromatic ket./est.
4-aminoacetophenone	AK4.M2	99-92-3	3E-10	1E+00	1×	mixed
4-methylacetophenone	AK5	122-00-9	7E-12	1E-04	10×	aromaticket./est.
4-methoxyacetophenone	AK6	100-06-1	5E-13	1E-04	1×	aromatic ket./est.
2-methylacetophenone	AK7	577-16-2	1E-12	1E-05	10×	aromatic ket./est.
propiophenone	AK8	93-55-0	1E-11	1E-04	1×	aromatic ket./est.
butyrophenone	AK9	495-40-9	6E-12	1E-04	10×	aromatic ket./est.
4-phenyl-2-butanone	AK10	2550-26-7	5E-11	1E-03	10×	aromatic ket./est.
4-(4-hydroxyphenyl)-2-butanone	AK11	5471-51-2	8E-11	1E-01	10×	aromatic ket./est.
methyl salicylate	AE1	119-36-8	4E-11	1E-03	1×	aromatic ket./est.
methyl benzoate	AE2	93-58-3	3E-11	1E-04	10×	aromatic ket./est.
benzyl acetate	AE3	140-11-4	1E-10	1E-03	10×	aromatic ket./est.
ethyl benzoate	AE4	93-89-0	2E-11	1E-04	10×	aromatic ket./est.
benzyl benzoate	AE5	120-51-4	4E-11	1E-01	10×	aromatic ket./est.
methyl anthranilate	AE6.M3	134-20-3	1E-13	1E-05	10×	mixed
dimethyl anthranilate	AE7.M4	85-91-6	2E-11	1E-03	10×	mixed
phenylacetate	AE8	122-79-2	3E-12	1E-05	10×	aromatic ket./est.
ethyl phenylacetate	AE9	101-97-3	7E-11	1E-03	1×	aromatic ket./est.
allyl phenylacetate	AE10	1797-74-6	2E-11	1E-03	10×	aromatic ket./est.
phenyl propionate	AE11	637-27-4	1E-11	1E-04	10×	aromatic ket./est.
m-cresol	AP1	108-39-4	1E-10	1E-03	1×	aromatic phen./moxy.
carvacrol	AP2	499-75-2	2E-09	1E-01	10×	aromatic phen./moxy.
4-methylanisole	AP3	104-93-8	9E-11	1E-04	10×	aromatic phen./moxy.

guaiacol	AP4	90-05-1	9E-13	1E-05	1×	aromatic phen./moxy.
2,6-dimethoxyphenol	AP5	91-10-1	2E-12	1E-03	1×	aromatic phen./moxy.
eugenol	AP6	97-53-0	7E-13	1E-04	10×	aromatic phen./moxy.
isoeugenol	AP7	97-54-1	8E-13	1E-04	10×	aromatic phen./moxy.
methyl eugenol	AP8	93-15-2	2E-12	1E-04	10×	aromatic phen./moxy.
methyl isoeugenol	AP9	93-16-3	8E-13	1E-04	10×	aromatic phen./moxy.
eugenyl acetate	AP10	93-28-7	4E-11	1E-02	10×	aromatic phen./moxy.
elemicin	AP11	487-11-6	5E-12	1E-03	10×	aromatic phen./moxy.
fenchol	CT1	1632-73-1	5E-10	1E-02	1×	cyclic terpenoid
2-ethyl fenchol	CT2	18368-91-7	6E-11	1E-02	10×	cyclic terpenoid
alpha-pinene	CT3	7785-70-8	3E-09	1E-03	10×	cyclic terpenoid
isobornyl isovalerate	CT4.M5	7779-73-9	1E-09	1E-01	10×	mixed
1,8-cineole	CT5	470-82-6	1E-09	1E-03	10×	cyclic terpenoid
L-carvone	CT6	6485-40-1	1E-10	1E-03	10×	cyclic terpenoid
beta-ionone	CT7	14901-07-6	1E-11	1E-03	10×	cyclic terpenoid
beta-damascone	CT8	23726-91-2	1E-11	1E-03	10×	cyclic terpenoid
damascenone	CT9	23696-85-7	2E-10	1E-02	10×	cyclic terpenoid
menthone	CT10	10458-14-7	3E-10	1E-03	10×	cyclic terpenoid
(R)-(+)-pulegone	CT11	89-82-7	7E-13	1E-05	10×	cyclic terpenoid
(+)-isomenthone	CT12	1196-31-2	2E-10	1E-03	10×	cyclic terpenoid
nootkatone	CT13	4674-50-4	9E-10	1E+00	1×	cyclic terpenoid
(+-)-menthol	CT14	89-78-1	6E-11	1E-02	10×	cyclic terpenoid
(+)-neomenthol	CT15	2216-52-6	2E-10	1E-02	10×	cyclic terpenoid
(+-)-geosmin	CT16	16423-19-1	4E-11	1E-01	10×	cyclic terpenoid
(-)-ambroxide	CT17	6790-58-5	7E-10	1E-01	10×	cyclic terpenoid
(+)-menthofuran	CT18.M6	17957-94-7	2E-10	1E-03	10×	mixed
2-pentylfuran	F1	3777-69-3	2E-09	1E-03	10×	furan/pyrone/lactone
5-ethyl-4-hydroxy-2-methyl-3(2H)-furanone	F2	27538-09-6	9E-13	1E-04	10×	furan/pyrone/lactone
5-methylfurfural	F3	620-02-0	5E-10	1E-03	10×	furan/pyrone/lactone
ethyl maltol	F4	4940-11-8	1E-12	1E-02	1×	furan/pyrone/lactone
gamma-undecalactone	F5	104-67-6	3E-09	1E+00	1×	furan/pyrone/lactone
coumarin	F6	91-64-5	7E-10	1E-02	10×	furan/pyrone/lactone
1-furfurylpyrrole	F7.M7	1438-94-4	1E-10	1E-02	10×	mixed
ethylenediamine	N1	107-15-3	1E-10	1E-05	10×	amine
butylamine	N2	109-73-9	6E-10	1E-05	10×	amine
2-methylbutylamine	N3	96-15-1	4E-10	1E-05	10×	amine
N-butyldimethylamine	N4	927-62-8	3E-10	1E-05	10×	amine
isopentylamine	N5	107-85-7	3E-11	1E-06	10×	amine
cadaverine	N6	462-94-2	7E-13	1E-06	10×	amine
octylamine	N7	111-86-4	7E-11	1E-04	10×	amine
N,N-dimethyloctylamine	N8	7378-99-6	6E-12	1E-05	10×	amine
cyclohexylamine	N9	108-91-8	6E-11	1E-05	10×	amine
N,N-dimethylcyclohexylamine	N10	98-94-2	2E-11	1E-05	10×	amine

phenethylamine	N11	64-04-0	3E-13	1E-06	1×	amine
benzylamine	N12	100-46-9	5E-11	1E-04	10×	amine
tyramine	*N13*	*51-67-2*	*2E-09*	*1E+00*	1×	*amine*
N,N-dimethyl-2-phenethylamine	N14	1126-71-2	2E-13	1E-06	10×	amine
3-phenylpropylamine	N15	2038-57-5	1E-11	1E-04	10×	amine
N-methyl piperidine	N16	626-67-5	2E-10	1E-05	1×	amine
5-methyl heptan-3-one oxime	N17.M8	22457-23-4	3E-10	1E-02	10×	mixed
pyrazine	P1	290-37-9	2E-09	1E-04	10×	pyrazine
2-acetylpyrazine	P2	22047-25-2	1E-09	1E-02	10×	pyrazine
2-methylpyrazine	P3	109-08-0	7E-11	1E-05	10×	pyrazine
2-methoxypyrazine	P4	3149-28-8	3E-11	1E-05	10×	pyrazine
2-ethylpyrazine	P5	13925-00-3	3E-11	1E-05	10×	pyrazine
2,3-diethylpyrazine	P6	15707-24-1	6E-10	1E-03	1×	pyrazine
2-chloropyrazine	P7	14508-49-7	2E-09	1E-03	10×	pyrazine
pyrazineethanethiol	P8	35250-53-4	4E-11	1E-03	10×	pyrazine
2-methoxy-3-methylpyrazine	P9	2847-30-5	5E-11	1E-04	10×	pyrazine
2-ethyl-3-methylpyrazine	P10	15707-23-0	5E-11	1E-04	10×	pyrazine
2,3-dimethylpyrazine	P11	5910-89-4	3E-10	1E-04	10×	pyrazine
2,5-dimethylpyrazine	P12	123-32-0	3E-10	1E-04	10×	pyrazine
2,6-dimethylpyrazine	P13	108-50-9	3E-09	1E-03	10×	pyrazine
2,3,5-trimethylpyrazine	P14	14667-55-1	1E-11	1E-05	10×	pyrazine
2,3,5,6-tetramethylpyrazine	P15	1124-11-4	5E-10	1E-03	10×	pyrazine
2-ethyl-5-methylpyrazine	P16	13360-64-0	2E-11	1E-05	10×	pyrazine
2-acetyl-3,(5 or 6)-dimethylpyrazine	P17	54300-08-2	2E-09	1E-03	1×	pyrazine
2-isobutyl-3-methylpyrazine	P18	13925-06-9	2E-10	1E-03	10×	pyrazine
2-acetyl-3-ethylpyrazine	P19	32974-92-8	2E-10	1E-02	1×	pyrazine
2-acetyl-3-methylpyrazine	P20	23787-80-6	8E-11	1E-03	10×	pyrazine
2-ethyl-3-methoxypyrazine	P21	25680-58-4	1E-11	1E-05	10×	pyrazine
2-methoxy-3(5 or 6)-isopropylpyrazine	P22	93905-03-4	3E-11	1E-04	10×	pyrazine
2-isobutyl-3-methoxypyrazine	P23	24683-00-9	3E-11	1E-03	10×	pyrazine
2-methoxy-3-(1-methylpropyl)pyrazine	P24	24168-70-5	3E-11	1E-03	10×	pyrazine
2-isopropyl-3-methoxypyrazine	P25	25773-40-4	9E-12	1E-04	10×	pyrazine
5H-5-methyl-6,7-dihydrocyclopenta[b]pyrazine	P26	23747-48-0	2E-10	1E-03	1×	pyrazine
5,6,7,8-tetrahydroquinoxaline	P27	34413-35-9	4E-11	1E-03	10×	pyrazine
5-methylquinoxaline	P28	13708-12-8	4E-10	1E-02	10×	pyrazine
2-acetylpyridine	NS1	1122-62-9	4E-11	1E-04	1×	heterocyclic N-S
4-tert-butylpyridine	NS2	3978-81-2	4E-12	1E-05	10×	heterocyclic N-S
indole	NS3	120-72-9	9E-11	1E-02	10×	heterocyclic N-S
3-methylindole	NS4	83-34-1	2E-11	1E-02	10×	heterocyclic N-S
2-isobutylthiazole	NS5	18640-74-9	3E-12	1E-05	10×	heterocyclic N-S
2-acetylthiazole	NS6	24295-03-2	1E-10	1E-03	10×	heterocyclic N-S
2-isopropyl-4-methylthiazole	NS7	15679-13-7	3E-12	1E-05	10×	heterocyclic N-S

2-methyl-2-thiazoline	NS8	2346-00-1	4E-10	1E-04	10×	heterocyclic N-S
2,4,5-trimethylthiazole	NS9	13623-11-5	5E-12	1E-05	10×	heterocyclic N-S
ethyl-2,5-dihydro-4-methylthiazole	NS10	41803-21-8	6E-11	1E-04	10×	heterocyclic N-S
4-methylthiazole	NS11	693-95-8	8E-10	1E-04	10×	heterocyclic N-S
2-methyl-4-propyl-1,3-oxathiane	NS12.M9	67715-80-4	9E-11	1E-03	1×	mixed
dimethyl trisulfide	S1	3658-80-8	8E-10	1E-03	10×	sulfide-thiol
allyl disulfide	*S2*	*2179-57-9*	*7E-10*	*1E-03*	*10×*	*sulfide-thiol*
4-methoxy-2-methyl-2-butanethiol	S3	94087-83-9	3E-12	1E-06	10×	sulfide-thiol
methional	S4.M10	3268-49-3	1E-11	1E-05	10×	mixed
3-mercaptohexyl acetate	S5	136954-20-6	4E-12	1E-04	10×	sulfide-thiol
3-(methylthio)-1-hexanol	S6	51755-66-9	6E-09	1E-02	10×	sulfide-thiol
furfuryl mercaptan	S7.M11	98-02-2	3E-12	1E-06	10×	mixed
difurfuryl disulfide	S8.M12	4437-20-1	4E-13	1E-03	10×	mixed
furfuryl methyl sulfide	S9.M13	1438-91-1	1E-09	1E-03	10×	mixed
2-methyl-3-tetrahydrofuranthiol	S10	57124-87-5	2E-10	1E-04	10×	sulfide-thiol
myrcene	ENE1	123-35-3	2E-09	1E-03	10×	alkene
1,3,5-undecatriene	ENE2	16356-11-9	5E-09	1E-02	10×	alkene
(R)-(+)-limonene	ENE3	5989-27-5	1E-09	1E-03	10×	alkene
empty	-	-	-	-	-	control
triglyceride	-	-	-	-	-	control

Table 1. Odorants and estimated concentrations for functional atlas.

Code: abbreviated identifier code, used in Fig. 4C and Document S1. **Epifl. est. conc.:** estimated delivered concentration of odorant vapor, in mols/L (M), for '1x' dataset. Most commonly-presented values (of 4 preparations) are shown, reported to one significant digit precision. **Dilution:** liquid dilution of odorant used to generate delivered concentration. **Class:** nominal classification based on structural features. Odorants in italics gave no response at the given concentration in any of the 8 OBs.

#	Odorant	Est. conc. (M)	Error ratio	Median ORS corr.	Mediolateral (μm)	Anteroposterior (μm)
1	benzaldehyde	8E-11	0.00	1.00	1448.3 ± 76.9	1298.4 ± 82.4
2	elemicin	5E-12	0.00	1.00	1011.6 ± 80.9	753.2 ± 126.7
3	vanillin	3E-11	0.07	1.00	1249.6 ± 54.8	1651 ± 75.9
4	trans-2-dodecenal	8E-10	0.00	1.00	514.9 ± 54.2	2117.5 ± 179.5
5	ethyl phenylacetate	7E-11	0.00	1.00	884 ± 50.5	1911.9 ± 118.9
	allyl phenylacetate	1E-10	0.00	1.00		
6	phenylacetate	3E-12	0.00	0.99	1375.6 ± 93.3	1103.4 ± 111.8
	phenyl propionate	1E-11	0.00	0.99		
7	heptanoic acid	7E-11	0.00	0.97	1026.6 ± 60.5	2132.8 ± 54.7
	heptanal	2E-9	0.00	0.95		
8	methional	1E-11	0.00	1.00	1680.2 ± 99.6	1144.1 ± 91.3
9	3-mercaptohexyl acetate	4E-12	0.00	0.97	1316.2 ± 170.4	1244.5 ± 67.3
10	trans-2-methyl-2-butenal	1E-11	0.00	0.95	700.8 ± 79.3	1103.7 ± 113.9
	2-methyl-2-pentenal	6E-11	0.00	0.95		
	methyl tiglate	1E-11	0.00	0.95		
	ethyl tiglate	2E-12	0.00	0.95		
	isopropyl tiglate	2E-11	0.00	0.95		
	hexyl tiglate	4E-10	0.00	0.95		
11	isovaleric acid	9E-12	0.00	0.92	973.5 ± 32.4	1696.9 ± 138
	isovaleraldehyde	4E-9	0.00	0.92		
12	2'-hydroxyacetophenone	5E-12	0.00	0.86	1258.5 ± 66.8	444 ± 68.9
13	pyrazine	2E-9	0.03	0.91	1618 ± 54.2	1154.8 ± 117.4
14	2-isobutyl-3-methoxypyrazine	3E-11	0.04	0.91	1007.4 ± 93.9	503.6 ± 80.8
	(R)-(+)-pulegone	7E-13	0.04	0.91		
15	4-(4-hydroxyphenyl)-2-butanone	4E-10	0.02	0.84	1202.5 ± 92.4	1771.8 ± 66.1
16	2,4,5-trimethylthiazole	5E-12	0.04	0.91	1242.6 ± 128.3	460.8 ± 106.6
	ethyl-2,5-dihydro-4-methylthiazole	3E-10	0.04	0.91		
17	4-methoxy-2-methyl-2-butanethiol	3E-12	0.07	0.98	1633.1 ± 116.8	853.6 ± 107.1
	2-methyl-3-tetrahydrofuranthiol	2E-10	0.07	0.98		
18	isoeugenol	8E-13	0.05	1.00	1162.9 ± 86.7	746.2 ± 105.4
19	menthone	3E-10	0.05	0.85	1058.4 ± 76.9	701.8 ± 93.8
20	2-hexanone	1E-9	0.11	0.94	1372 ± 98.3	945.6 ± 105.8
21	acetophenone	1E-11	0.02	0.83	1317.2 ± 81.1	776.9 ± 61.6
	2-methylacetophenone	1E-12	0.02	0.83		
22	methyl eugenol	2E-12	0.13	0.90	1491.6 ± 107	771.2 ± 103.5
23	2-methylbutyraldehyde	8E-11	0.16	0.87	928.6 ± 38.7	1497.3 ± 126.9
	2-methylvaleraldehyde	1E-10	0.16	0.87		
	methyl 2-methylbutyrate	1E-10	0.16	0.87		
24	hexanal	7E-10	0.18	0.97	1047.7 ± 63.7	1977.8 ± 66
25	fenchol	5E-10	0.16	0.98	1251 ± 109.5	795.9 ± 76.9
26	5-methylfurfural	5E-10	0.19	1.00	1465 ± 67.1	1153.3 ± 380.5

Table 2. Diagnostic odorants and concentrations for functionally-identified glomeruli.

Error ratio: Incidence of mismatch between strongest-activated glomeruli and glomeruli with most correlated odorant response spectra (ORS) across 2 OBs, divided by all potential 2-OB comparisons. **Median ORS corr.:** Median ORS correlation coefficient (Pearson's r) across all pairwise comparisons of response spectra for the maximally-activated glomerulus in each responsive OB.

#	Odorant	Est. conc. (M)	Error ratio	Median ORS corr.
-	2,3,5-trimethylpyrazine	1E-11	0.12	0.74
-	p-anisaldehyde	8E-12	0.21	0.93
-	piperonal	2E-12	0.21	0.93
-	cadaverine	2E-12	0.23	0.98
-	furfuryl mercaptan	3E-12	0.24	0.92
-	difurfuryl disulfide	4E-13	0.24	0.92
-	2-methyl-2-pentenoic acid	4E-14	0.25	0.93
-	2-methylpyrazine	7E-11	0.26	0.85
-	2-chloropyrazine	2E-9	0.26	0.85
-	damascenone	2E-10	0.29	0.76
-	N,N-dimethyloctylamine	3E-11	0.32	1.00
-	beta-damascone	1E-11	0.32	0.81
-	2-ethyl-5-methylpyrazine	1E-11	0.36	0.74
-	3-(methylthio)-1-hexanol	6E-9	0.39	0.89
-	benzyl benzoate	4E-11	0.39	0.82
-	4-methylthiazole	8E-10	0.39	0.87
-	eugenol	7E-13	0.40	0.59
-	2-methylbutyric acid	5E-12	0.43	0.95
-	beta-ionone	7E-11	0.43	0.73
-	L-carvone	1E-10	0.43	0.66
-	2-methoxy-3-methylpyrazine	5E-11	0.45	0.88
-	4-methylacetophenone	7E-12	0.48	0.81
-	N,N-dimethyl-2-phenethylamine	5E-13	0.50	0.75
-	N-methyl piperidine	2E-10	0.50	0.99
-	1,3,5-undecatriene	5E-9	0.50	0.55
-	2-methyl-2-thiazoline	1E-9	0.52	0.83
-	4-methoxyacetophenone	5E-13	0.54	0.83
-	2,6-dimethoxyphenol	2E-12	0.54	1.00
-	isopentylamine	3E-11	0.55	0.67
-	nootkatone	9E-10	0.57	0.97
-	champignol	4E-10	0.59	0.50
-	2-acetyl-3,(5 or 6)-dimethylpyrazine	2E-9	0.59	0.42
-	(+)-menthofuran	2E-10	0.59	0.61
-	2-ethyl-3-methoxypyrazine	4E-11	0.61	0.51
-	2-octanone	1E-10	0.66	0.62
-	furfuryl methyl sulfide	1E-9	0.67	0.20
-	geraniol	1E-9	0.67	0.29
-	butyrophenone	2E-11	0.70	0.50
-	4-methylanisole	9E-11	0.75	0.00
-	benzyl acetate	1E-10	0.86	0.15

Table 3. Additional odorants and concentrations eliciting consistently sparse activation but failing conservative requirements for functional identification.