

Supporting Information

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Table S1. Detergents used for cell-free production of olfactory receptors

Detergent	Charge	CMC, % [†]	Concentration (× CMC) [‡]
Anzergent 3-14	zw	0.007	3
Brij 58	ni	0.00045	3,300
Cymal 5	ni	0.12	4
Digitonin		0.089	4
DDM	ni	0.0087	11
FC14	zw	0.0046	3
Tri-mix (CHAPS, CHS, DDM)	zw a ni	0.49 na 0.0087	2 na 115

a, anionic; zw, zwitter ionic; ni, nonionic; na, not applicable.

[†]CMC in H₂O from www.anatrace.com.

[‡]Concentration of detergent used during initial cell-free experiments.

Table S2. Detergents used initially for cell-free production of olfactory receptors

Detergent	Charge	CMC, % [†]	Concentration (× CMC) [‡]
Anzergent 3-14	zw	0.007	3
Brij 58	ni	0.00045	22
C8E4	ni	0.25	3
Tri-mix (CHAPS, CHS, DDM)	zw a ni	0.49 na 0.0087	2 na 115
Cyklophos 5	zw	0.15	3
Cymal 5	ni	0.12	3
DDM	ni	0.0087	4.5
DDOMG	zw	0.041	3
FC14	zw	0.0046	10
LDAO	zw	0.023	4

a , anionic; zw, zwitter ionic; ni, nonionic; na, not applicable.

[†]CMC measured in H₂O from www.anatrace.com.

[‡]Concentration of detergent used during buffer screening.