

**Table S1. Frequencies of clones obtained among the trichoid and basiconic sensilla**

OR	Sensillum type	Glomerulus	Wild-type clonal frequency (%)	<i>ems</i> clonal frequency (%)	Phenotype frequencies
<b>Trichoid-specific ORs</b>					
23a	at2	DA3	70	65	5/17 targeting defects (including ectopic glomerulus targeting)
47b	at4	VA1v	100	100	8/15 targeting defects
67d	at1	DA1 and VA6	62.5	65	3/13 targeting defects
88a	at4	VA1d	100	100	3/17 targeting defects
43a	at3	DA4l	61	40	0/11 targeting defects
83c	at2	DC3	100	87.5	0/14 targeting defects
65a	at4	DL3	82	81.8	0/16 targeting defects
<b>Basiconic-specific ORs</b>					
10a	ab1	DL1	52	47	4/10 targeting defects (including one non-olfactory neuropile target)
59b	ab2	DM4	83.3	42.9	0/15 targeting defects
85f	ab10	DL4	100	59	0/13 targeting defects