Table 2. Expression profiles of olfactory receptors in the proboscis of *An. gambiae* (AgORs)

Target AgOR gene	Detection of AgOR expression by RT-PCR in whole proboscis tissue (4 experiments, unless indicated otherwise)		Detection of AgOR expression by single sensillum RT-PCR in S1 sensillum (10 experiments)
	Male	Female	
AgOR1	0	0	ND
AgOR2	0	0	ND
AgOR3	4	4	1
AgOR4	4	4	0
AgOR5	ND	ND	ND
AgOR6	**4**	**4**	**6←**
AgOR7	4	4	10
AgOR8	0	0	ND
AgOR9	0	0	ND
AgOR10	0	1	ND
AgOR11	1	0	ND
AgOR12	4	4	2
AgOR13	4	4	0
AgOR14	3	3	0
AgOR15	4	4	1
*AgOR16**	0	3	0
AgOR17	2	4	0
AgOR18	4	4	2
AgOR19	4	4	1
AgOR20	4	4	0
AgOR21	4	3	0
AgOR22	0	0	ND
AgOR23	0	1	ND
*AgOR24**	0	2	ND
AgOR25	1	1	ND
AgOR26	0	0	ND
AgOR27	0	0	ND
*AgOR28**	0	3	1
AgOR29	ND	ND	ND
AgOR30	0	1	ND
AgOR31	0	0	ND
AgOR32	0	0	0
AgOR33	0	0	ND
AgOR34	0	0	ND
AgOR35	0	0	ND
AgOR36	0	0	ND
AgOR37	0	0	ND
AgOR38	0	0	ND
*AgOR39**	1	3	0
AgOR40	0	0	ND
AgOR41	0	0	ND
AgOR42	0	0	ND
AgOR43	0	0	ND
AgOR44	0	1	ND

Target AgOR gene	Detection of AgOR expression by RT-PCR in whole proboscis tissue (4 experiments, unless indicated otherwise)		Detection of AgOR expression by single sensillum RT-PCR in S1 sensillum (10 experiments)
	Male	Female	
AgOR45	0	0	ND
AgOR46	0	0	ND
AgOR47	0	0	ND
AgOR48	0	0	ND
AgOR49	0	0	ND
AgOR50	0	0	ND
AgOR51	0	0	ND
AgOR52	0	0	ND
AgOR53	4	3	3
AgOR54	0	0	ND
AgOR55	3	4	1
AgOR56/57	2	3	0
AgOR58	0	0	ND
AgOR59	0	1	ND
AgOR60	0 (of 3 experiments)	0 (of 3 experiments)	ND
AgOR61	0	0	ND
*AgOR62**	1	4	1
AgOR63	0	0	ND
AgOR64	0	0	ND
AgOR65	0	1	ND
AgOR66/67	0 (of 3 experiments)	2	ND
*AgOR68**	0 (of 3 experiments)	2	ND
AgOR69	0	0	ND
*AgOR70**	0	3	1
*AgOR71**	0	2	ND
AgOR72	0 (of 3 experiments)	0 (of 3 experiments)	ND
*AgOR73**	0 (of 3 experiments)	2	ND
AgOR74	0 (of 3 experiments)	0	ND
AgOR75/76	0 (of 3 experiments)	1	ND
AgOR77	0	0	ND
AgOR78/79	0 (of 3 experiments)	0	ND

16 AgORs were reproducibly detected in the whole-proboscis tissue from male and female mosquitoes (shaded rows). Expression of nine AgORs (shaded rows with asterisks) was reproducibly detected exclusively in female mosquitoes. AgORs 56 and 57 are 95.6% identical in their predicted cDNA sequence and could not be distinguished in the amplified region. Expression profiles of olfactory receptors (AgORs) from the S1 sensillum on the labellum of *An. gambiae* were detected by single sensillum RT-PCR. In all 10 preparations of the single S1 sensillum, AgOR7 mRNA expression was detected. AgOR6 was detected in 6 of 10 S1 preparations (indicated by boldface type), whereas AgOR53 was detected in 3 of 10 S1 preparations. AgOR12 and 18 were detected twice and another 7 AgORs were detected only once in 10 S1 preparations. ND, not determined.