

**Table S1. Primers designed for CDS of ORs.**

Gene	Primer sequence	Length (bp)
<i>OR2D2</i>	Forward primer: ACGCGTATGAGACGGACAAATCAGACCCA	20
	Reverse primer: GCGGCCGCGCATGGGACATTCCTTGTGGC	20
<i>OR6X1</i>	Forward primer: ACGCGATGAGAAATGGCACTGCAAT	20
	Reverse primer: GCGGCCGCTTACACTGGATGATGAGTCTT	21
<i>OR7D4</i>	Forward primer: ATATACGCGTATGGAAGCAGGAAACCACAC	27
	Reverse primer: ATCTAGGCGGCCGCTCATGGACAAAAGGCTGATC	27
<i>OR8D1</i>	Forward primer: ACGCGATGGTTGCAGGAAATCATTCTAC	20
	Reverse primer: GCGGCCGCTCATTTCTAACCCTAACCTTC	25
<i>OR8D2</i>	Forward primer: ACGCGATGGCCACTTTAAATCTTTCC	22
	Reverse primer: GCGGCCGCCTACCTTCCCCCAACGACCTT	22
<i>OR10V1</i>	Forward primer: ACGCGATGGAAGAAATAAATAAAACC	21
	Reverse primer: GCGGCCGCTTACATAAGTCCTAAAACCATC	22
<i>OR10Z1</i>	Forward primer: ACGCGATGGGGCAGACCAATGCAA	22
	Reverse primer: GCGGCCGCTCATTTACTCAACAGTCTCCTTCG	22