

Supplementary Table 4: Full Length Primers			
Murine OR	Forward Primer	Reverse Primer	Product length (bp)
Olfr90	ATGGTCAACCAGAGCTCCCC	CAGCCGGGCTTCACTTCC	932
Olfr78	ATGAGTTCCTGCAACTTCACCC	CACGTGTTTCCCCCAGCTTC	962
Olfr308	ATGATCACAGAGAATTGGACTCT	TCACTTTCTCTTCCATTTCTTCCCT	927
Olfr1366	ATGGAAC TTTACTTCTCTCTATAT CTC	TCACTTGGAACATATTTTGCTC	987
Olfr691	ATGATTCATAGCAACATCACCCC	TCATCCCAAAGGTGAAGAACA	969
Olfr558	ATGGTGGGCTTCAATAGCAA	CTAGTGATCTGAAGTGTGTGTGG	954
Olfr57	ATGGAAACAGGAAATGACACTC A	TTATGAAGGTGAATCCATTGATCT GC	960
Olfr646	ATGAGCGAAAGTCTCCCAGTC	TCATACTAAGTCCTTCCCCAAGTG	939
Olfr15	ATGGAGGTGGACAGCAACAGCT	TCAGCTGGCTCCTCTTCCTTTC	939
Olfr177	ATGACTGAGGACA ACTACTCCT	TTATAATCTTTTCTTCATTGCTCTT TT	930
Olfr545	ATGTTGGGTTGGAGCAATGG	TCAGGGGCCTGCACTCAG	951
Olfr873	ATGTTCA TTTTCAAAGCTGTTC A	TTACAACATTCTTCTGTGAAGTCT CT	960
Olfr56	ATGGGAATATGGCTGAACGAAT C	TCAATGTTGGCTGCCAACCC	948
Olfr267	CTTTCTCCAACAAGACGGGCGT GGTGGAATTCATGCCAGGAGAA AATGTCACTGTTTGGAGC	GGCGCAGAACTGGTAGGTATGGA AGATCCCTCGAGTCACACACTTGG TGCCAAGGGCAG	939
Olfr99	CTTTCTCCAACAAGACGGGCGT GGTGGAATTCATGAACTGCAGTC AGGCT	GGCGCAGAACTGGTAGGTATGGA AGATCCCTCGAGCTACTCCATGTT TAGGATTCTCCTC	915
Olfr16	ATGCAGAGAAATAACTTCACTGA	TTAAGAAGTGTTTCTGCCCA	930
Murine TR	Forward Primer	Reverse Primer	Product length (bp)
Tas2r106	ATCTGTAGAGATGCTGACTGTAG CAGAAGG	CTACCATGTCACTCTGACGTCCTT GTC	937
Tas2r108	ATGCTCTGGGAACTGTATGT	CTACTTGTAGAAACAGAAAATCTTC T	894
Tas2r126	ATGCTACCAACATTATCAGTTTTT T	CTAGGCCACCCAGAATCCCC	927

Tas2r135	ATTCGAGAGACTTCTTAGAGCAA CAAACCTACCCTTC	TCAGCAGCAGCCCCTCTTTATCAC C	1002
Tas2r137	ATGAGATTTATGAACAGAACAAG CA	TTATGAAGCAGAGGGTCCCT	1002
Tas2r138	ATGCTGAGTCTGACTCCTGTC	TCAGAGTGTCTGGGAGGA	996
Tas2r143	ATGCCCTCCACACCCACATT	CTAAAACCTCATCTTCAGGGCCT	882
Tas1r1	ATG CTT TTC TGG GCA GCT CAC CTG C	T CAG GTA GTG CCG CAG CGC	2528
Tas1r2	ATG GGA CCC CAG GCG AGG	CTA GCT CTT CCT CAT CGT GTA GCC CTG AAT	2531
Tas1r3	ATG CCA GCT TTG GCT ATC ATG GGT CTC	TCA TTC ATT GTG TCC CTG AGC TGC CT	2576
Murine OPN	Forward Primer	Reverse Primer	Product length (bp)
OPN1SW	ATGTCAGGAGAGGATGACTTTTA CC	TCAGTGAGGGCCAACCTTTGCT	1041
OPN3	ATGTAICTCGGGGAACCGTAG	TTATAGAGGACGCACTTGGATGA	1203