

|                  |                                                                                                                           |     |
|------------------|---------------------------------------------------------------------------------------------------------------------------|-----|
| Vmn1r-ps27 (B6)  | ATGAGTGAGATTCTGTTCTTTTCTCCTCAGCCACTGTTCCCATGTACAATGAATAAGAACAGT                                                           | 120 |
| Vmn1r-ps27 (SWR) | ATGAGTGAGATTCTGTTCTTTTCTCCTCAGCCACTGTTCCCATGTACAATGAATAAGAACAGG                                                           | 120 |
| Vmn1r42 (B6)     | ATGAGTGAGATTCTGTTCTTTTCTCCTCAGCCACTGTTCCCATGTACAATGAATAAGAACAGC                                                           | 120 |
| Vmn1r-ps27 (B6)  | ATCTCAGGAAACAGCTTCCTTCTCTCTTCCAAATCCTCAAGTTCATTCTGTTGGGCACAGGCCAGACTCACTGACCTGCCCATTTGGTCTCTTGTCCCTTATCCACCTACTGATGCTACTG | 240 |
| Vmn1r-ps27 (SWR) | ATCTCAGGAAACAGCTTCCTTCTCTCTTCCAAATCCTCAAGTTCATTCTGTTGGGCACAGGCCAGACTCACTGACCTGCCCATTTGGTCTCTTGTCCCTTATCCACCTACTGATGCTACTG | 240 |
| Vmn1r42 (B6)     | ATCTCAGGAAACAGCTTCCTTCTCTCTTCCAAATCCTCAAGTTCATTCTGTTGGGCACAGGCCAGACTCACTGACCTGCCCATTTGGTCTCTTGTCCCTTATCCACCTACTGATGCTACTG | 240 |
| Vmn1r-ps27 (B6)  | GTCATGGCATTTCATAGCCATAGACATTTTTATTTCTTGGAGGGAATGGGATGACATCATAC                                                            | 358 |
| Vmn1r-ps27 (SWR) | GTCATGGCATTTCATAGCCATAGACATTTTTATTTCTTGGAGGGAATGGGATGACATCATAC                                                            | 360 |
| Vmn1r42 (B6)     | GTCATGGCATTTCATAGCCATAGACATTTTTATTTCTTGGAGGGAATGGGATGACATCATAC                                                            | 360 |
| Vmn1r-ps27 (B6)  | ATGTTGAGTGTCCTCCAGGCTATCATACTTAGTCCGAGAAGCTCCTGTTTAGCAAAGTTCAAGCATAAATCTCCTCATCACATCTCATGTACCATTTATTTTCTGAGTGTCTCTATATG   | 478 |
| Vmn1r-ps27 (SWR) | ATGTTGAGTGTCCTCCAGGCTATCATACTTAGTCCGAGAAGCTCCTGTTTAGCAAAGTTCAAGCATAAATCTCCTCATCACATCTCATGTACCATTTATTTTCTGAGTGTCTCTATATG   | 480 |
| Vmn1r42 (B6)     | ATGTTGAGTGTCCTCCAGGCTATCATACTTAGTCCGAGAAGCTCCTGTTTAGCAAAGTTCAAGCATATCTCCTCATCACATATCAG                                    | 480 |
| Vmn1r-ps27 (B6)  | TTAATTGGCAGTCACCTCTTG...TCCATCATTGCTACCCCGAAATTTGACCACAAATGACTTCATTATATTACTCAATCCTGCTCC                                   | 595 |
| Vmn1r-ps27 (SWR) | TTAATTGGCAGTCACCTCTTG...TCCATCATTGCTACCCCGAAATTTGACCACAAATGACTTCATTATATTACTCAATCCTGCTCA                                   | 597 |
| Vmn1r42 (B6)     | TTAATTGGCAGTCACCTCTTG...TCCATCATTGCTACCCCGAAATTTGACCACAAATGACTTCATTATATTACTCAATCCTGCTCA                                   | 600 |
| Vmn1r-ps27 (B6)  | TATTCACGCTGGTAGCCATCAGAGAAGTTTTCTTTATTAGTCTCATGGTCCCTCTCTAATTTGGTACATGGTGGCCCTCTTGTGCATGTACAGGAAAC                        | 715 |
| Vmn1r42 (B6)     | TATTCACGCTGGTAGCCATCAGAGAAGTTTTCTTTATTAGTCTCATGGTCCCTCTCTAATTTGGTACATGGTGGCCCTCTTGTGCATGTACAGGAAAC                        | 717 |
| Vmn1r-ps27 (B6)  | ATACCTTTCCCAAAAAAATCCCCAGAGCAAAGTGCCACCCAGACCATCCTGATGCTCATGAGCTTCTTTTGTGCTGATGACCATCTATGACATCATGGTCTGCTGCTCAAGAGCTATGTTT | 835 |
| Vmn1r-ps27 (SWR) | ACCTTTCCCAAAAAAATCCCCAGAGCAAAGTGCCACCCAGACCATCCTGATGCTCATGAGCTTCTTTTGTGCTGATGACCATCTATGACATCATGGTCTGCTGCTCAAGAGCTATGTTT   | 837 |
| Vmn1r42 (B6)     | AAGCTGTCCC                                                                                                                | 840 |
| Vmn1r-ps27 (B6)  | CTGAATGATCCAACAACCTTACTCTATCAAACTCTTTATAATGCACATTTATGCCACTGTGACGCCCTTTTGTGTTTATGAGCACTGAAAAACATATAGTTAACTTTTGGATCCATGGGT  | 955 |
| Vmn1r-ps27 (SWR) | CTGAATGATCCAACAACCTTACTCTATCAAACTCTTTATAATGCACATTTATGCCACTGTGACGCCCTTTTGTGTTTATGAGCACTGAAAAACATATAGTTAACTTTTGGATCCATGGGT  | 957 |
| Vmn1r42 (B6)     | CTGAATGATCCAACAACCTTACTCTATCAAACTCTTTATAATGCACATTTATGCCACTGTGACGCCCTTTTGTGTTTATGAGCACTGAAAAACATATAGTTAACTTTTGGATCCATGGGT  | 960 |
| Vmn1r-ps27 (B6)  | AAGAGGGTGATAAAATTTAATCTTCACTGA                                                                                            | 985 |
| Vmn1r-ps27 (SWR) | AAGAGGGTGATAAAATTTAATCTTCACTGA                                                                                            | 987 |
| Vmn1r42 (B6)     | AAGAGGGTGATAAAATTTAATCTTCACTGA                                                                                            | 990 |

Figure S7