

**Table S6. Sequence alignment between Cyp2j5 knockout mice and wild type mice**

	<b>Sequence (5'-3')</b>	<b>Mutation</b>
Wild type	<p>ctggagtagtagagttttgttgtttatctaactctgtatattttatttggctattgtt<b>cttaagaacttaggtc</b></p> <p><b>aaa</b><u>aggactcactt</u>aagttacatcttttctatgtttatttacttacttgaatgggggatgtgagctctccaca</p> <p>gaataatfttcatgttctcacaacacatataagaacttactataagtcactaacacacatgcctgacattatt</p> <p>atattagatcctcagacattcacacacttaactctgactattgaaatatttacagTTTGTGAAGAA</p> <p>ATATGGGAATGTATTTAGTCTGGAGTTGGGCCAATCACCAGTGGT</p> <p>GGTTGTATCAGGACTGCCTTTAATCAAAGAAATGTTTACCCACCT</p> <p>GGACCAAATTTTGTGAATCGCTTTATGACACCGGTTAGAGAAC</p> <p>GAATCACAGGTAAAATGgtaagtttctgtcgtggatagccttggggctaattatatttgatg</p> <p>gaattctatttctctgtgagtggttcgaacaagaatgagtcagcactcaggtgatttctgtaaacctgct</p> <p>tcccaccttaattgtaaaataaaggggagctgatgattgggcagataaaagggaaagtggagcagaagg</p> <p>tgggggagagaagaaggagaaaatggaagagggagaggatacagaggaagaggaagaggaagag</p> <p>gaagaggaagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaagaag</p> <p>aag</p> <p>aag</p> <p>gcaagtctaaagggatctatagaaggagaagatggtagttagcatagatctgtccaatctaggcacac</p> <p>agcatggattatattaattgtattgttttcattgccctggcataattaggttgagagatttactgcaacaag</p> <p>tttcttgacca<b>cagtaatgtt</b><b>cactttat</b>ttttttatgggtgattacacttaccttgcacccaactgtataa</p> <p>gaattggtaagaattccattgtgaaacgttatcattttaaggaagctgcctgc</p>	Wild type
Mutant type	<p>Ctggagtagtagagttttgttgtttatctaactctgtatattttatttggctattgtt<b>cttaagaactta</b>-----</p> <p>-----<b><u>CTTGTTACTTATTTATTAC</u></b>-----</p> <p>-----<b>ttcactttat</b>ttttttatgggtgattacacttaccttgcaccc</p> <p>acaactgtataagaattggtaagaattccattgtgaaacgttatcattttaaggaagctgcctgc</p>	-902 base

Bold, guideRNA target site; red underline, PAM sequence; "-", deleted sequence; Bold and underlined, inserted sequence.