## **Supplementary Table 1**

Supplementary Table 1. Complete multiple comparisons for coat state analysis

| Supplementary Table 1. Complete multiple comparisons for coat state analysis  Mann-Whitney U tests (with Holm-Bonferroni correction) |                    |              |                  |              |  |  |  |
|--|--------------------|--------------|------------------|--------------|--|--|--|
| Weeks  | Effects            | Con          | P                |              |  |  |  |
| 1  |                    | Non-UCMS/VEH | vs. UCMS/VEH     | p < 0.001*** |  |  |  |
|  | UCMS effects       | Non-UCMS/FLX | vs. UCMS/FLX     | p < 0.001*** |  |  |  |
|  |                    | Non-UCMS/ALM | vs. UCMS/ALM     | p < 0.001*** |  |  |  |
|  | Treatments effects | UCMS/VEH     | vs. UCMS/FLX     | ns           |  |  |  |
|  | in                 | UCMS/VEH     | vs. UCMS/ALM     | ns           |  |  |  |
|  | UCMS mice          | UCMS/FLX     | vs. UCMS/ALM     | ns           |  |  |  |
|  | Treatments effects | Non-UCMS/VEH | vs. Non-UCMS/FLX | ns           |  |  |  |
|  | in non-            | Non-UCMS/VEH | vs. Non-UCMS/ALM | ns           |  |  |  |
|  | UCMS mice          | Non-UCMS/FLX | vs. Non-UCMS/ALM | ns           |  |  |  |
|  |                    | Non-UCMS/VEH | vs. UCMS/VEH     | p < 0.001*** |  |  |  |
|  | UCMS effects       | Non-UCMS/FLX | vs. UCMS/FLX     | p < 0.001*** |  |  |  |
|  |                    | Non-UCMS/ALM | vs. UCMS/ALM     | p < 0.001*** |  |  |  |
|  | Treatments effects | UCMS/VEH     | vs. UCMS/FLX     | ns           |  |  |  |
| 2  | in                 | UCMS/VEH     | vs. UCMS/ALM     | ns           |  |  |  |
|  | UCMS mice          | UCMS/FLX     | vs. UCMS/ALM     | ns           |  |  |  |
|  | Treatments effects | Non-UCMS/VEH | vs. Non-UCMS/FLX | ns           |  |  |  |
|  | in non-            | Non-UCMS/VEH | vs. Non-UCMS/ALM | ns           |  |  |  |
|  | UCMS mice          | Non-UCMS/FLX | vs. Non-UCMS/ALM | ns           |  |  |  |
| 3  |                    | Non-UCMS/VEH | vs. UCMS/VEH     | p < 0.001*** |  |  |  |
|  | UCMS effects       | Non-UCMS/FLX | vs. UCMS/FLX     | p < 0.001*** |  |  |  |
|  |                    | Non-UCMS/ALM | vs. UCMS/ALM     | p < 0.001*** |  |  |  |
|  | Treatments effects | UCMS/VEH     | vs. UCMS/FLX     | ns           |  |  |  |
|  | in                 | UCMS/VEH     | vs. UCMS/ALM     | ns           |  |  |  |
|  | UCMS mice          | UCMS/FLX     | vs. UCMS/ALM     | ns           |  |  |  |
|  | Treatments effects | Non-UCMS/VEH | vs. Non-UCMS/FLX | ns           |  |  |  |
|  | in non-            | Non-UCMS/VEH | vs. Non-UCMS/ALM | ns           |  |  |  |
|  | UCMS mice          | Non-UCMS/FLX | vs. Non-UCMS/ALM | ns           |  |  |  |
|  |                    | Non-UCMS/VEH | vs. UCMS/VEH     | p < 0.001*** |  |  |  |
|  | UCMS effects       | Non-UCMS/FLX | vs. UCMS/FLX     | p < 0.001*** |  |  |  |
|  |                    | Non-UCMS/ALM | vs. UCMS/ALM     | p < 0.001*** |  |  |  |
|  | Treatments effects | UCMS/VEH     | vs. UCMS/FLX     | ns           |  |  |  |
| 4  | in                 | UCMS/VEH     | vs. UCMS/ALM     | ns           |  |  |  |
|  | UCMS mice          | UCMS/FLX     | vs. UCMS/ALM     | ns           |  |  |  |
|  | Treatments effects | Non-UCMS/VEH | vs. Non-UCMS/FLX | ns           |  |  |  |
|  | in non-            | Non-UCMS/VEH | vs. Non-UCMS/ALM | ns           |  |  |  |
|  | UCMS mice          | Non-UCMS/FLX | vs. Non-UCMS/ALM | ns           |  |  |  |
|  |                    | Non-UCMS/VEH | vs. UCMS/VEH     | p < 0.001*** |  |  |  |
|  | UCMS effects       | Non-UCMS/FLX | vs. UCMS/FLX     | p < 0.001*** |  |  |  |
|  |                    | Non-UCMS/ALM | vs. UCMS/ALM     | p < 0.001*** |  |  |  |
|  | Treatments effects |              | vs. UCMS/FLX     | p < 0.001*** |  |  |  |
| 5  | in                 | UCMS/VEH     | vs. UCMS/ALM     | p < 0.01**   |  |  |  |
|  | UCMS mice          | UCMS/FLX     | vs. UCMS/ALM     | ns           |  |  |  |
|  | Treatments effects |              | vs. Non-UCMS/FLX | ns           |  |  |  |
|  | in non-            | Non-UCMS/VEH | vs. Non-UCMS/ALM | ns           |  |  |  |
|  | UCMS mice          | Non-UCMS/FLX | vs. Non-UCMS/ALM | ns           |  |  |  |

ns: non-significant

|   |  | Non-UCMS/VEH  | VS                                      | UCMS/VEH   | p < 0.001***   |
|---|--|---|---|--|--|
|   | UCMS effects   | Non-UCMS/FLX  |   | UCMS/FLX   | p < 0.001<br>p < 0.001***  |
|   | OCIVIO effects   | Non-UCMS/ALM  |   | UCMS/ALM   | p < 0.001<br>p < 0.001***  |
|   | Trootmonto offosto   |   |   |  | p < 0.001 $p < 0.001***$   |
|   | Treatments effects   |   |   | UCMS/FLX   | l'   |
| 6 | in   | UCMS/VEH  |   | UCMS/ALM   | p < 0.05*  |
|   | UCMS mice  | UCMS/FLX  |   | UCMS/ALM   | ns   |
|   | Treatments effects   |   |   | Non-UCMS/FLX   | ns   |
|   | in non-  | Non-UCMS/VEH  |   | Non-UCMS/ALM   | ns   |
|   | UCMS mice  | Non-UCMS/FLX  |   | Non-UCMS/ALM   | ns   |
|   |  | Non-UCMS/VEH  |   | UCMS/VEH   | p < 0.001***   |
|   | UCMS effects   | Non-UCMS/FLX  | VS.                                     | UCMS/FLX   | p < 0.001***   |
|   |  | Non-UCMS/ALM  | VS.                                     | UCMS/ALM   | p < 0.001***   |
|   | Treatments effects   | UCMS/VEH  | VS.                                     | UCMS/FLX   | p < 0.001***   |
| 7 | in   | UCMS/VEH  | VS.                                     | UCMS/ALM   | p < 0.001***   |
|   | UCMS mice  | UCMS/FLX  | VS.                                     | UCMS/ALM   | ns   |
|   | Treatments effects   | Non-UCMS/VEH  | VS.                                     | Non-UCMS/FLX   | ns   |
|   | in non-  | Non-UCMS/VEH  | VS.                                     | Non-UCMS/ALM   | ns   |
|   | UCMS mice  | Non-UCMS/FLX  | 1/6                                     | Non-UCMS/ALM   | ns   |
|   | O OIVIO TITICC   | INDIT-OCIVIS/I LX   | vs.                                     | NOTI-OCIVIO/ALIVI  | 110  |
|   | COMO IIIICC  | Non-UCMS/VEH  |   | UCMS/VEH   | p < 0.001***   |
|   | UCMS effects   |   | VS.                                     |  |  |
|   |  | Non-UCMS/VEH  | VS.<br>VS.                              | UCMS/VEH   | p < 0.001***   |
|   |  | Non-UCMS/VEH<br>Non-UCMS/FLX<br>Non-UCMS/ALM  | VS.<br>VS.<br>VS.                       | UCMS/VEH<br>UCMS/FLX   | <i>p</i> < 0.001***<br>ns  |
| 8 | UCMS effects   | Non-UCMS/VEH<br>Non-UCMS/FLX<br>Non-UCMS/ALM  | VS.<br>VS.<br>VS.                       | UCMS/VEH<br>UCMS/FLX<br>UCMS/ALM   | p < 0.001*** ns p < 0.001***   |
| 8 | UCMS effects Treatments effects  | Non-UCMS/VEH<br>Non-UCMS/FLX<br>Non-UCMS/ALM<br>UCMS/VEH  | VS.<br>VS.<br>VS.<br>VS.                | UCMS/VEH<br>UCMS/FLX<br>UCMS/ALM<br>UCMS/FLX   | p < 0.001*** ns p < 0.001*** p < 0.001***  |
| 8 | UCMS effects Treatments effects in   | Non-UCMS/VEH<br>Non-UCMS/FLX<br>Non-UCMS/ALM<br>UCMS/VEH<br>UCMS/VEH<br>UCMS/FLX  | VS.<br>VS.<br>VS.<br>VS.<br>VS.         | UCMS/VEH<br>UCMS/FLX<br>UCMS/ALM<br>UCMS/FLX<br>UCMS/ALM   | p < 0.001*** ns p < 0.001*** p < 0.001*** p < 0.001***   |
| 8 | UCMS effects  Treatments effects in UCMS mice  | Non-UCMS/VEH<br>Non-UCMS/FLX<br>Non-UCMS/ALM<br>UCMS/VEH<br>UCMS/VEH<br>UCMS/FLX<br>Non-UCMS/VEH  | VS.<br>VS.<br>VS.<br>VS.<br>VS.<br>VS.  | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM  | p < 0.001*** ns p < 0.001*** p < 0.001*** p < 0.001*** p < 0.001*** p < 0.05*  |
| 8 | UCMS effects  Treatments effects in UCMS mice Treatments effects   | Non-UCMS/VEH<br>Non-UCMS/FLX<br>Non-UCMS/ALM<br>UCMS/VEH<br>UCMS/VEH<br>UCMS/FLX  | VS. VS. VS. VS. VS. VS. VS. VS.         | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM Non-UCMS/FLX   | p < 0.001*** ns $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.05*$  |
| 8 | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non-  | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/VEH   | VS. VS. VS. VS. VS. VS. VS. VS. VS.     | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM  | p < 0.001*** ns $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.05*$ ns   |
| 8 | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non-  | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/VEH   | VS. | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM  | p < 0.001*** ns p < 0.001*** p < 0.001*** p < 0.001*** p < 0.005* ns ns ns p < 0.001***  |
| 8 | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non- UCMS mice  | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/VEH Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/FLX  | VS. | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/ALM UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM Non-UCMS/ALM UCMS/VEH UCMS/FLX   | p < 0.001*** ns p < 0.001*** p < 0.001*** p < 0.001*** p < 0.05* ns ns ns p < 0.001*** p < 0.001***  |
| 8 | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non- UCMS mice  UCMS effects  | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX                                 | VS. | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM Non-UCMS/ALM UCMS/ALM UCMS/ALM  | p < 0.001*** ns $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.005*$ ns ns $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.001***$  |
|   | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non- UCMS mice  UCMS effects  Treatments effects                                  | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX UCMS/VEH UCMS/VEH                   | VS. | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM Non-UCMS/ALM UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM                            | p < 0.001*** ns p < 0.001*** p < 0.001*** p < 0.001*** p < 0.05* ns ns p < 0.001***   |
| 8 | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non- UCMS mice  UCMS effects  Treatments effects in                               | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX UCMS/VEH UCMS/VEH UCMS/VEH                       | VS. | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/FLX UCMS/FLX UCMS/FLX UCMS/FLX UCMS/FLX UCMS/FLX                       | p < 0.001*** ns p < 0.001*** p < 0.001*** p < 0.001*** p < 0.05* ns ns ns p < 0.001***   |
|   | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non- UCMS mice  UCMS effects  Treatments effects in UCMS effects                  | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/FLX UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX UCMS/VEH UCMS/VEH UCMS/VEH UCMS/VEH | VS. | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM VCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM              | p < 0.001*** $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.005*$ $p < 0.05*$ $p < 0.001***$                |
|   | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non- UCMS mice  UCMS effects  Treatments effects in UCMS mice  Treatments effects | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX UCMS/VEH UCMS/VEH UCMS/VEH UCMS/VEH UCMS/VEH UCMS/VEH         | VS. | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM Non-UCMS/ALM UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/FLX | p < 0.001*** $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.005*$ $p < 0.05*$ $p < 0.001***$ |
|   | UCMS effects  Treatments effects in UCMS mice  Treatments effects in non- UCMS mice  UCMS effects  Treatments effects in UCMS effects                  | Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/ALM UCMS/VEH UCMS/FLX Non-UCMS/VEH Non-UCMS/VEH Non-UCMS/FLX Non-UCMS/FLX UCMS/FLX Non-UCMS/FLX Non-UCMS/FLX UCMS/VEH UCMS/VEH UCMS/VEH UCMS/VEH | VS. | UCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM Non-UCMS/FLX Non-UCMS/ALM VCMS/VEH UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/FLX UCMS/ALM UCMS/ALM              | p < 0.001*** $p < 0.001***$ $p < 0.001***$ $p < 0.001***$ $p < 0.005*$ $p < 0.05*$ $p < 0.001***$                |

ns: non-significant