**\* Supplementary file 1- Microdissected, organ-cultured HFs are “stressed” on day 1, but become equilibrated on day 3**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter**  **analyzed**  **Hair**  **follicle** | **LDH activity** | **NKG2D ligand MICA** | **CXCL12** | **IP collapse** | | **IP guardians** | |
| **MHC class I** | **β2-microglobulin** | **α-MSH** | **TGFβ2** |
| **Stressed**  **(1 day in culture)** | Detected | Highly detected | Detected | Detected | Detected | Detected | Highly detected |
| **Non-Stressed**  **(3 days in culture)** | Not detected | Not detected | Not detected | Not detected | Not  detected | Detected | Highly detected |

\* Taken from Uchida et al., 2021