**\* 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 | Notdetected | Detected | Highly detected |

\* Taken from Uchida et al., 2021