**S Table4. Patient wise data-median profile**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **BMI BL** | **TSC2** | **CRTC1** | **VPS39** | **ULK1** | **RSPH6A** | **RPS6KB2** | **CTDSP1** | **ATG4B** | **MKS1** | **PRR5** | **RABGEF1** | **BRF1** | **DLEU2** | **AKT2** | **MEDIAN** |
| IF 172 | 0.92 | 1.07 | 1.05 | 1.01 | 1.30 | 1.05 | 0.85 | 0.89 | 1.09 | 0.97 | 0.97 | 1.39 | 1.02 | 1.41 | 0.97 | 1.03 |
| IF 169 | 0.96 | 1.41 | 1.03 | 1.10 | 1.33 | 1.40 | 1.54 | 1.28 | 1.27 | 1.06 | 1.19 | 1.03 | 1.18 | 0.68 | 1.28 | 1.23 |
| IF 168 | 0.92 | 0.98 | 0.90 | 1.02 | 1.05 | 0.57 | 1.01 | 1.02 | 1.08 | 1.13 | 1.00 | 1.17 | 1.05 | 1.12 | 1.04 | 1.03 |
| IF 153 | 0.92 | 1.28 | 1.29 | 1.10 | 1.32 | NA | 1.16 | 1.21 | 1.33 | 0.84 | 1.25 | 1.37 | 1.12 | 0.84 | 1.18 | 1.21 |
| IF 136 | 0.96 | 1.08 | 1.13 | 1.16 | 1.05 | 7.01 | 1.18 | 0.90 | 0.95 | 1.49 | 1.14 | 0.83 | 1.04 | 1.59 | 1.07 | 1.10 |
| IF 133 | 0.94 | 1.15 | 1.39 | 1.03 | 1.07 | 1.54 | 1.34 | 1.26 | 1.31 | 1.00 | 1.35 | 1.22 | 1.39 | 1.09 | 1.26 | 1.26 |
| IF 130 | 0.95 | 1.12 | 1.10 | 0.97 | 1.18 | 4.83 | 1.17 | 1.02 | 1.04 | 0.91 | 1.22 | 0.98 | 1.09 | 1.17 | 1.08 | 1.10 |
| IF 128 | 0.91 | 1.13 | 1.12 | 1.39 | 1.37 | 1.22 | 1.07 | 1.11 | 1.01 | 1.76 | 0.87 | 1.35 | 1.15 | 1.44 | 1.17 | 1.16 |
| IF 122 | 0.93 | 0.95 | 1.01 | 1.12 | 1.03 | 0.55 | 1.09 | 1.01 | 0.89 | 0.94 | 0.72 | 1.05 | 1.06 | 1.55 | 1.12 | 1.02 |
| IF 118 | 0.96 | 1.05 | 1.03 | 1.02 | 1.12 | 4.36 | 1.14 | 0.99 | 1.04 | 1.10 | 1.21 | 1.21 | 1.02 | 1.01 | 1.03 | 1.04 |
| IF 113 | 0.93 | 1.37 | 1.33 | 1.26 | 1.17 | 2.28 | 1.30 | 1.24 | 1.23 | 1.08 | 1.26 | 1.05 | 1.37 | 0.70 | 1.31 | 1.26 |
| IF 101 | 0.94 | 0.98 | 0.96 | 1.02 | 1.25 | 3.17 | 0.89 | 1.15 | 0.99 | 1.27 | 1.32 | 0.93 | 0.89 | 1.76 | 0.91 | 1.00 |
| IF 167 | 0.94 | 0.98 | 0.76 | 1.07 | 0.93 | 0.47 | 0.88 | 1.01 | 0.96 | 1.27 | 1.09 | 1.02 | 0.95 | 1.17 | 0.91 | 0.97 |
| IF 164 | 0.87 | 0.88 | 0.93 | 0.84 | 0.76 | 0.77 | 0.92 | 0.89 | 0.87 | 0.66 | 0.97 | 0.75 | 0.86 | 0.82 | 0.85 | 0.85 |
| IF 161 | 0.89 | 0.96 | 0.87 | 1.21 | 0.96 | 0.15 | 0.81 | 1.07 | 0.96 | 1.09 | 1.12 | 0.81 | 0.89 | 0.86 | 0.92 | 0.94 |
| IF 160 | 0.91 | 0.92 | 0.92 | 0.92 | 0.78 | 1.46 | 0.89 | 0.85 | 0.98 | 0.85 | 0.84 | 0.96 | 0.97 | 0.83 | 0.94 | 0.92 |
| IF 152 | 0.90 | 0.91 | 0.90 | 0.93 | 0.79 | 0.00 | 1.05 | 0.91 | 0.88 | 0.97 | 0.94 | 0.75 | 0.81 | 0.71 | 1.00 | 0.90 |
| IF 149 | 0.95 | 0.75 | 0.75 | 0.99 | 0.89 | 1.38 | 0.94 | 0.92 | 0.71 | 0.96 | 0.89 | 1.25 | 0.83 | 1.03 | 0.90 | 0.91 |
| IF 145 | 0.90 | 0.93 | 1.08 | 0.83 | 0.87 | 1.71 | 1.12 | 0.89 | 0.97 | 0.74 | 1.03 | 0.96 | 1.15 | 0.70 | 0.99 | 0.96 |
| IF 141 | 0.87 | 0.89 | 0.70 | 1.01 | 0.78 | 1.08 | 0.87 | 1.03 | 0.89 | 0.98 | 0.83 | 0.78 | 0.89 | 1.11 | 0.94 | 0.89 |
| IF 138 | 0.87 | 0.96 | 0.84 | 0.92 | 0.75 | 0.79 | 1.08 | 0.96 | 1.00 | 1.06 | 1.13 | 0.75 | 0.92 | 0.98 | 1.00 | 0.96 |
| IF 135 | 0.84 | 0.98 | 0.81 | 0.87 | 0.83 | 0.36 | 1.16 | 0.99 | 0.88 | 0.93 | 0.85 | 0.62 | 0.89 | 0.53 | 0.92 | 0.88 |
| IF 129 | 0.86 | 0.88 | 0.93 | 0.86 | 0.73 | NA | 0.85 | 0.93 | 0.73 | 0.63 | 0.74 | 0.76 | 0.87 | 0.80 | 0.83 | 0.83 |
| IF 111 | 0.91 | 0.68 | 0.77 | 0.91 | 0.87 | 0.66 | 0.80 | 0.97 | 0.74 | 0.77 | 0.86 | 1.04 | 0.72 | 0.88 | 0.75 | 0.79 |
| IF 105 | 0.90 | 0.80 | 0.86 | 0.91 | 0.84 | 1.46 | 0.81 | 0.86 | 0.89 | 0.74 | 0.67 | 0.96 | 0.93 | 0.56 | 0.89 | 0.86 |
| IF 157 | 0.91 | 1.02 | 1.03 | 0.93 | 1.03 | 0.92 | 0.95 | 0.91 | 1.05 | 0.95 | 0.84 | 0.87 | 1.02 | 0.90 | 0.95 | 0.95 |
| IF 139 | 0.91 | 1.06 | 0.95 | 1.08 | 1.11 | 0.44 | 0.88 | 1.11 | 1.00 | 0.80 | 0.90 | 0.91 | 0.91 | 1.17 | 0.95 | 0.95 |