**S Table6. Patient wise data-CILIARY GENES**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **BMI** | **CEP164** | **IFT140** | **CLUAP1** | **FBF1** | **NPHP4** | **MKS1** | **CCDC28B** | **BBS1** | **WDR60** | **IFT27** | **INPP5E** | **CROCC** | **HOOK2** | **CSPP1** | **CCDC61** | **LRRC23** | **ODF3** | **PCNT** | **SMO** | **STK36** |
| IF 172 | 0.92 | 1.04 | 1.04 | 0.95 | 0.80 | 0.95 | 0.97 | 1.03 | 1.36 | 1.24 | 1.09 | 1.12 | 1.10 | 1.02 | 1.21 | 1.04 | 0.93 | 1.66 | 1.01 | 0.81 | 1.14 |
| IF 169 | 0.96 | 1.32 | 1.32 | 1.03 | 1.72 | 1.16 | 1.06 | 1.60 | 1.72 | 1.19 | 1.22 | 1.23 | 1.18 | 1.44 | 1.28 | 1.21 | 1.17 | 0.88 | 1.17 | 1.17 | 1.17 |
| IF 168 | 0.92 | 0.97 | 0.93 | 1.28 | 0.91 | 0.70 | 1.13 | 0.94 | 1.34 | 1.18 | 1.06 | 1.27 | 1.31 | 1.06 | 1.03 | 1.00 | 0.73 | 0.68 | 1.02 | 1.04 | 0.94 |
| IF 153 | 0.92 | 1.06 | 1.18 | 0.83 | 1.50 | 0.88 | 0.84 | 1.39 | 1.29 | 0.96 | 1.01 | 1.08 | 1.20 | 1.35 | 0.93 | 1.02 | 1.07 | 1.28 | 1.05 | 1.23 | 1.05 |
| IF 136 | 0.96 | 1.37 | 1.17 | 1.72 | 1.65 | 1.42 | 1.49 | 1.51 | 1.32 | 1.47 | 1.15 | 1.21 | 1.46 | 1.01 | 1.25 | 1.18 | 0.97 | 2.65 | 1.22 | 1.27 | 1.32 |
| IF 133 | 0.94 | 1.14 | 1.15 | 1.10 | 1.50 | 1.10 | 1.00 | 1.59 | 0.93 | 1.12 | 1.09 | 1.22 | 1.40 | 1.38 | 1.39 | 1.56 | 1.70 | 1.54 | 0.88 | 1.25 | 0.82 |
| IF 130 | 0.95 | 1.10 | 1.13 | 1.10 | 1.19 | 1.11 | 0.91 | 1.53 | 1.78 | 1.08 | 0.99 | 1.03 | 1.11 | 1.18 | 1.14 | 1.08 | 0.94 | 0.77 | 1.12 | 1.40 | 1.06 |
| IF 128 | 0.91 | 1.20 | 1.26 | 1.23 | 1.30 | 1.09 | 1.76 | 0.71 | 1.24 | 1.13 | 1.44 | 1.31 | 1.51 | 1.08 | 0.94 | 1.39 | 1.11 | 0.60 | 1.21 | 1.58 | 1.28 |
| IF 122 | 0.93 | 1.16 | 1.14 | 1.04 | 1.08 | 1.09 | 0.94 | 0.82 | 0.86 | 1.23 | 1.06 | 1.10 | 1.06 | 1.15 | 0.97 | 0.93 | 1.13 | 0.66 | 1.40 | 1.18 | 1.13 |
| IF 118 | 0.96 | 0.94 | 1.04 | 0.87 | 1.26 | 1.17 | 1.10 | 1.25 | 1.18 | 1.20 | 1.01 | 0.91 | 1.04 | 1.08 | 0.88 | 1.04 | 1.04 | 1.82 | 0.99 | 0.79 | 1.03 |
| IF 113 | 0.93 | 1.43 | 1.36 | 1.25 | 1.81 | 1.29 | 1.08 | 1.13 | 1.07 | 1.26 | 1.13 | 1.25 | 1.38 | 1.82 | 1.15 | 1.10 | 1.31 | 4.56 | 1.34 | 0.91 | 1.38 |
| IF 101 | 0.94 | 0.87 | 1.07 | 1.17 | 0.84 | 1.15 | 1.27 | 0.61 | 1.39 | 1.05 | 0.86 | 0.98 | 1.13 | 1.03 | 0.94 | 0.98 | 1.08 | 1.11 | 1.14 | 0.78 | 1.15 |
| IF 167 | 0.94 | 0.94 | 0.87 | 1.07 | 1.17 | 0.99 | 1.27 | 0.74 | 1.02 | 0.94 | 1.05 | 1.02 | 0.96 | 1.07 | 0.73 | 1.07 | 0.67 | 0.88 | 1.27 | 1.27 | 1.09 |
| IF 164 | 0.87 | 0.81 | 0.68 | 0.87 | 1.12 | 0.86 | 0.66 | 1.08 | 1.32 | 0.85 | 0.72 | 0.74 | 0.99 | 0.96 | 0.84 | 0.81 | 0.80 | 1.28 | 0.88 | 0.66 | 0.77 |
| IF 161 | 0.89 | 0.87 | 0.95 | 1.03 | 1.04 | 0.80 | 1.09 | 0.75 | 0.82 | 1.36 | 1.04 | 0.98 | 0.89 | 1.10 | 0.83 | 1.03 | 1.09 | 0.39 | 0.95 | 1.08 | 1.08 |
| IF 160 | 0.91 | 1.03 | 0.81 | 0.94 | 0.85 | 1.01 | 0.85 | 1.14 | 0.86 | 0.80 | 1.04 | 0.86 | 0.83 | 0.72 | 0.91 | 0.78 | 0.82 | 1.21 | 0.92 | 0.73 | 1.00 |
| IF 152 | 0.90 | 1.06 | 0.86 | 0.86 | 0.92 | 1.21 | 0.97 | 0.97 | 0.87 | 0.69 | 0.96 | 0.89 | 0.92 | 0.78 | 1.05 | 1.09 | 0.98 | 1.03 | 0.94 | 1.05 | 0.87 |
| IF 149 | 0.95 | 0.91 | 0.88 | 1.07 | 1.13 | 0.84 | 0.96 | 1.04 | 1.07 | 1.13 | 0.97 | 0.77 | 0.99 | 1.14 | 1.21 | 0.88 | 1.32 | 0.91 | 0.98 | 0.81 | 0.93 |
| IF 145 | 0.90 | 0.98 | 0.90 | 0.79 | 1.26 | 1.04 | 0.74 | 1.29 | 1.35 | 0.93 | 0.99 | 0.99 | 1.12 | 0.87 | 1.09 | 0.92 | 0.93 | 1.05 | 0.94 | 0.84 | 0.91 |
| IF 141 | 0.87 | 0.84 | 0.89 | 0.82 | 0.82 | 0.98 | 0.98 | 0.59 | 0.77 | 1.14 | 0.96 | 0.91 | 0.67 | 1.04 | 0.68 | 0.85 | 0.71 | 0.58 | 1.20 | 0.85 | 0.94 |
| IF 138 | 0.87 | 0.98 | 0.88 | 0.74 | 1.26 | 0.90 | 1.06 | 0.80 | 0.91 | 0.89 | 1.01 | 0.91 | 0.93 | 1.02 | 1.03 | 1.15 | 1.06 | 0.73 | 1.13 | 0.68 | 0.99 |
| IF 135 | 0.84 | 0.91 | 0.80 | 0.88 | 1.03 | 0.95 | 0.93 | 0.82 | 0.79 | 0.93 | 0.72 | 0.89 | 0.98 | 0.95 | 0.94 | 0.95 | 0.61 | 0.34 | 0.81 | 0.71 | 1.05 |
| IF 129 | 0.86 | 0.86 | 0.83 | 0.81 | 0.47 | 0.96 | 0.63 | 0.70 | 0.90 | 0.86 | 0.85 | 0.80 | 0.73 | 0.71 | 0.84 | 0.71 | 0.63 | 0.66 | 0.87 | 0.62 | 0.72 |
| IF 111 | 0.91 | 0.76 | 0.84 | 0.90 | 0.53 | 0.89 | 0.77 | 0.65 | 0.65 | 1.25 | 0.95 | 0.86 | 0.74 | 0.91 | 0.83 | 0.89 | 0.55 | 0.46 | 0.90 | 0.63 | 0.75 |
| IF 105 | 0.90 | 0.96 | 0.75 | 0.72 | 0.94 | 0.94 | 0.74 | 0.92 | 0.71 | 0.81 | 0.74 | 0.77 | 0.92 | 0.76 | 0.87 | 0.76 | 1.21 | 0.66 | 0.82 | 0.89 | 0.84 |
| IF 157 | 0.91 | 1.01 | 0.95 | 0.92 | 1.04 | 1.03 | 0.95 | 1.08 | 1.58 | 1.09 | 1.01 | 0.97 | 0.88 | 0.96 | 1.12 | 0.92 | 0.95 | 1.25 | 1.08 | 0.91 | 1.05 |
| IF 139 | 0.91 | 0.80 | 0.93 | 0.86 | 0.91 | 0.88 | 0.80 | 1.02 | 1.02 | 0.98 | 0.95 | 0.78 | 0.67 | 1.41 | 0.83 | 0.79 | 0.84 | 1.25 | 1.13 | 0.51 | 1.09 |