**S Table7. Patient wise data-AUTOPHAGOSOME GENES**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **BMI** | **ATG3** | **RAB7A** | **CHMP2B** | **ARL8B** | **RAB11A** | **STX12** | **RALB** | **RHEB** | **RAB8A** | **C18orf8 (RMC1-ATG8)** | **RIPK1** | **UBQLN1** | **EIF2AK3** |
| IF 172 | 0.92 | 0.88 | 1.00 | 0.84 | 1.16 | 0.88 | 1.04 | 0.82 | 0.96 | 0.75 | 1.08 | 1.17 | 1.09 | 1.13 |
| IF 169 | 0.96 | 0.77 | 0.88 | 0.70 | 0.87 | 0.79 | 0.80 | 1.06 | 0.66 | 1.09 | 1.01 | 0.99 | 0.66 | 0.55 |
| IF 168 | 0.92 | 0.89 | 0.86 | 0.79 | 0.89 | 0.88 | 0.93 | 0.74 | 1.02 | 0.84 | 0.96 | 0.88 | 0.91 | 1.03 |
| IF 153 | 0.92 | 0.95 | 1.04 | 0.88 | 0.89 | 0.76 | 0.78 | 0.83 | 1.07 | 1.01 | 1.19 | 1.02 | 0.73 | 0.63 |
| IF 136 | 0.96 | 1.03 | 1.04 | 0.90 | 1.03 | 1.10 | 0.96 | 0.91 | 0.79 | 0.76 | 0.69 | 0.79 | 1.05 | 0.93 |
| IF 133 | 0.94 | 0.83 | 0.74 | 0.58 | 0.62 | 0.63 | 0.63 | 0.68 | 0.69 | 0.88 | 0.78 | 0.81 | 0.53 | 0.38 |
| IF 130 | 0.95 | 0.92 | 0.90 | 0.78 | 0.82 | 0.85 | 0.93 | 0.90 | 0.90 | 0.91 | 0.90 | 1.02 | 0.96 | 0.80 |
| IF 128 | 0.91 | 0.99 | 0.89 | 0.81 | 0.91 | 0.80 | 0.86 | 0.86 | 0.82 | 0.84 | 0.79 | 0.81 | 1.00 | 0.79 |
| IF 122 | 0.93 | 0.97 | 0.98 | 0.72 | 0.84 | 0.95 | 0.99 | 0.98 | 1.06 | 0.87 | 1.05 | 0.85 | 0.99 | 0.84 |
| IF 118 | 0.96 | 0.98 | 0.93 | 1.05 | 0.98 | 0.96 | 0.90 | 0.92 | 0.84 | 0.97 | 0.97 | 0.98 | 0.86 | 0.96 |
| IF 113 | 0.93 | 0.85 | 0.92 | 0.78 | 0.89 | 0.80 | 0.75 | 0.93 | 0.75 | 0.94 | 0.87 | 1.10 | 0.72 | 0.65 |
| IF 101 | 0.94 | 0.83 | 1.20 | 1.08 | 1.12 | 0.88 | 0.94 | 1.17 | 0.95 | 1.01 | 0.97 | 1.17 | 0.83 | 1.25 |
| IF 167 | 0.94 | 0.95 | 1.05 | 1.26 | 1.00 | 1.15 | 1.21 | 1.11 | 1.00 | 1.13 | 1.00 | 0.98 | 1.06 | 1.14 |
| IF 164 | 0.87 | 0.95 | 0.99 | 1.22 | 1.00 | 0.95 | 1.02 | 0.98 | 0.97 | 1.00 | 1.02 | 1.17 | 0.98 | 1.06 |
| IF 161 | 0.89 | 0.89 | 1.12 | 0.99 | 0.99 | 0.97 | 0.95 | 0.84 | 1.03 | 0.81 | 0.73 | 1.00 | 0.92 | 0.90 |
| IF 160 | 0.91 | 1.08 | 1.04 | 1.20 | 1.17 | 1.12 | 1.23 | 1.09 | 1.54 | 1.02 | 1.56 | 1.25 | 1.29 | 1.45 |
| IF 152 | 0.90 | 1.05 | 1.06 | 1.05 | 1.13 | 1.11 | 1.04 | 1.19 | 1.03 | 1.31 | 1.13 | 0.95 | 1.14 | 1.05 |
| IF 149 | 0.95 | 0.88 | 1.02 | 1.14 | 1.02 | 1.03 | 1.11 | 1.04 | 1.13 | 1.00 | 0.92 | 0.90 | 0.91 | 0.90 |
| IF 145 | 0.90 | 1.32 | 1.10 | 1.28 | 1.10 | 1.04 | 0.92 | 1.06 | 1.24 | 0.97 | 1.32 | 1.12 | 1.19 | 1.16 |
| IF 141 | 0.87 | 1.02 | 1.12 | 1.26 | 1.10 | 1.24 | 1.20 | 1.42 | 1.08 | 1.31 | 1.03 | 1.15 | 0.96 | 0.98 |
| IF 138 | 0.87 | 1.11 | 1.16 | 1.18 | 1.08 | 1.14 | 1.18 | 1.22 | 1.15 | 1.37 | 1.14 | 1.01 | 1.03 | 1.07 |
| IF 135 | 0.84 | 0.96 | 1.16 | 1.29 | 1.11 | 1.12 | 1.10 | 1.23 | 1.13 | 1.14 | 1.29 | 1.15 | 1.05 | 1.26 |
| IF 129 | 0.86 | 0.98 | 1.13 | 1.60 | 1.26 | 1.28 | 1.26 | 1.22 | 1.05 | 1.16 | 1.29 | 1.33 | 1.32 | 1.63 |
| IF 111 | 0.91 | 0.99 | 1.01 | 1.16 | 1.22 | 1.06 | 1.12 | 1.12 | 1.05 | 1.02 | 0.90 | 0.98 | 1.08 | 1.42 |
| IF 105 | 0.90 | 0.98 | 1.05 | 1.32 | 1.24 | 1.04 | 0.98 | 0.92 | 1.35 | 1.21 | 1.09 | 1.23 | 1.14 | 1.35 |
| IF 157 | 0.91 | 1.03 | 1.08 | 1.18 | 1.13 | 1.08 | 1.19 | 1.06 | 1.08 | 1.07 | 1.10 | 1.21 | 1.15 | 1.08 |
| IF 139 | 0.91 | 0.90 | 1.04 | 1.23 | 1.00 | 1.06 | 1.12 | 1.21 | 0.83 | 1.06 | 1.04 | 1.17 | 0.87 | 1.23 |