Actividad\_3. Análisis de un caso práctico en R

**TABLAS**

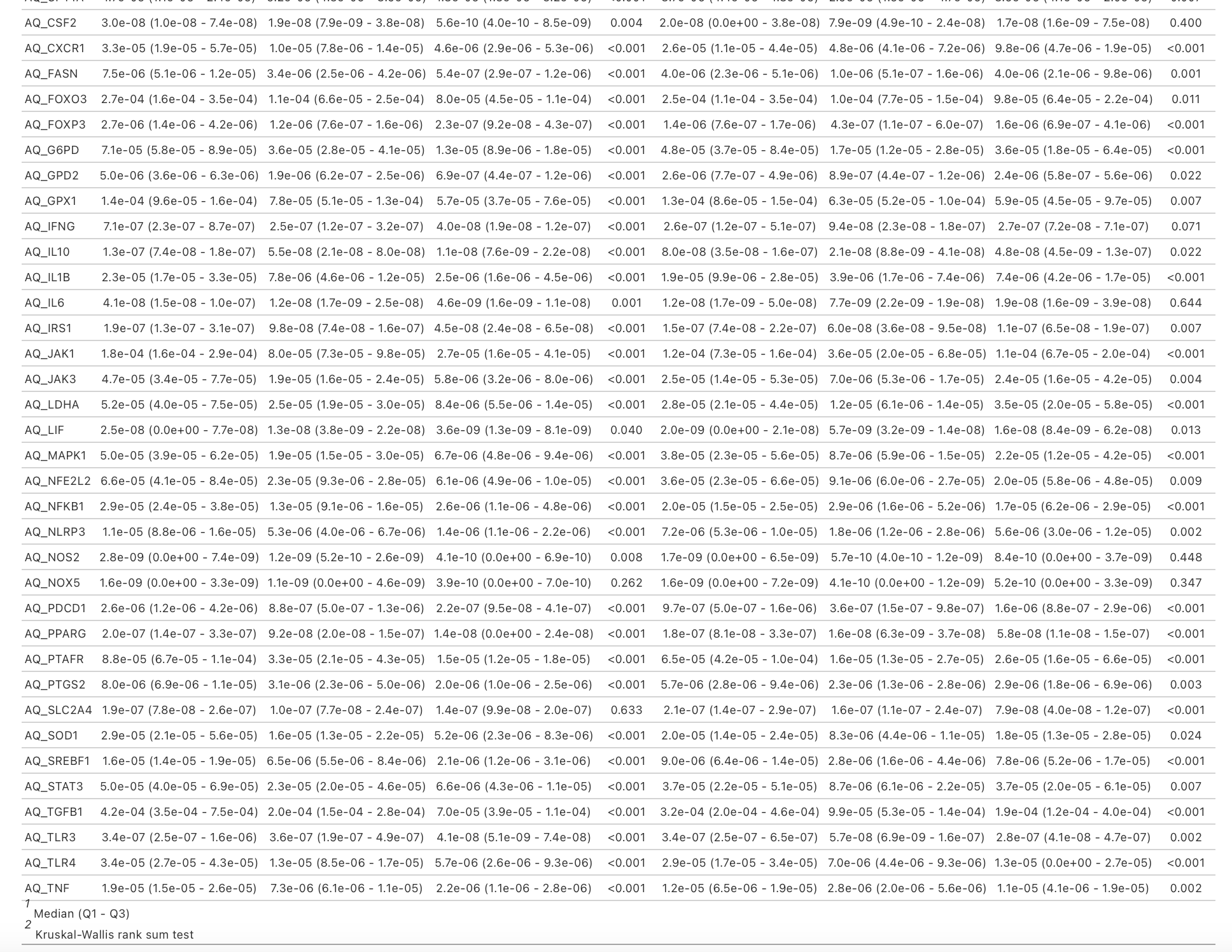
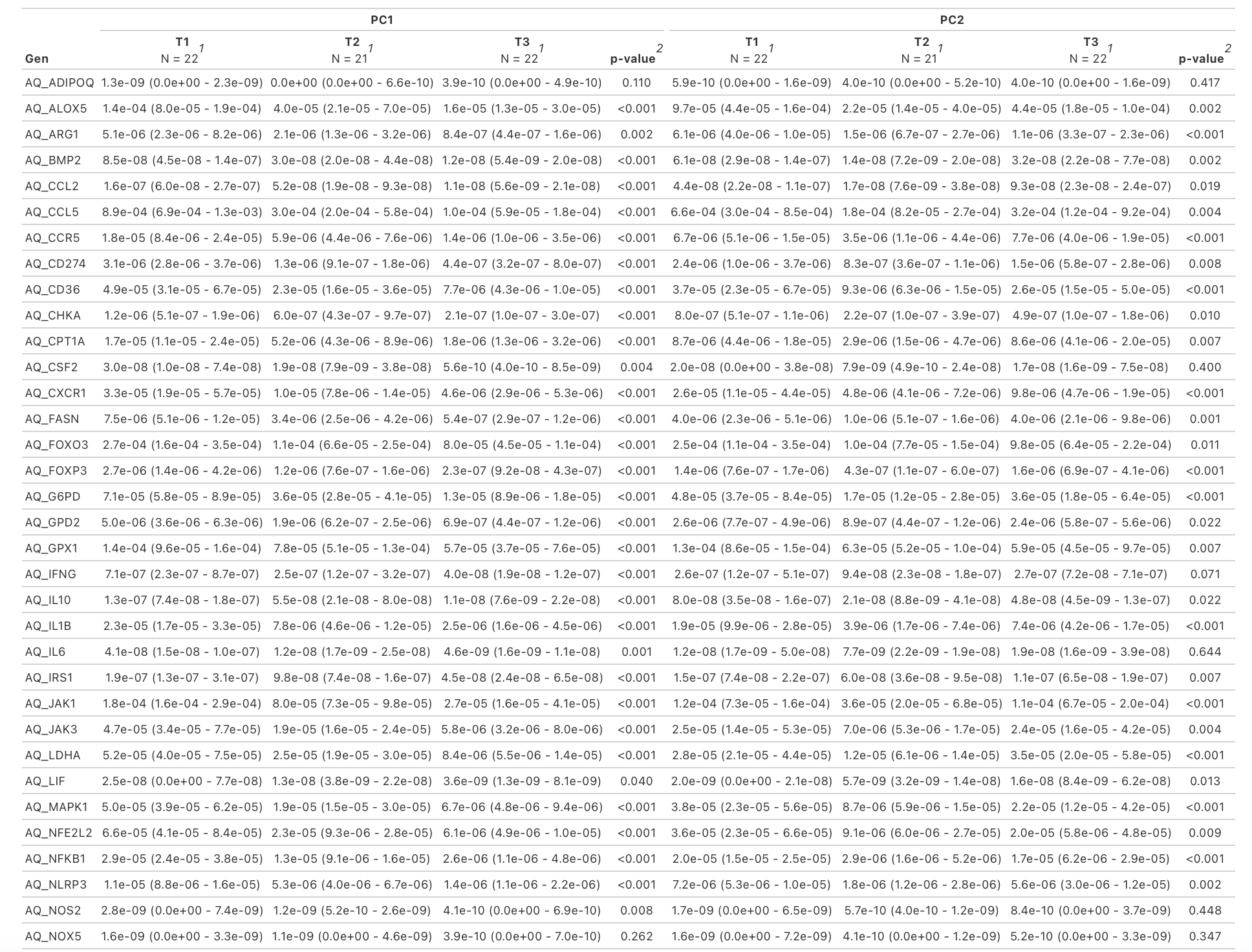
**Tabla 1. PCA componentes y varianza acumulada**

|  |  |
| --- | --- |
|  | Varianza\_acumulada |
| Dim.1 | 52.5 |
| Dim.2 | 59 |
| Dim.3 | 64.3 |
| Dim.4 | 68.6 |
| Dim.5 | 72.3 |
| Dim.6 | 75.8 |
| Dim.7 | 78.8 |
| Dim.8 | 81.4 |
| Dim.9 | 83.8 |
| Dim.10 | 85.8 |
| Dim.11 | 87.6 |
| Dim.12 | 89.3 |
| Dim.13 | 90.6 |
| Dim.14 | 91.9 |
| Dim.15 | 92.9 |
| Dim.16 | 93.8 |
| Dim.17 | 94.6 |
| Dim.18 | 95.4 |
| Dim.19 | 96 |
| Dim.20 | 96.7 |
| Dim.21 | 97.1 |
| Dim.22 | 97.5 |
| Dim.23 | 97.8 |
| Dim.24 | 98.2 |
| Dim.25 | 98.4 |
| Dim.26 | 98.7 |
| Dim.27 | 98.9 |
| Dim.28 | 99 |
| Dim.29 | 99.2 |
| Dim.30 | 99.3 |
| Dim.31 | 99.4 |
| Dim.32 | 99.5 |
| Dim.33 | 99.6 |
| Dim.34 | 99.7 |
| Dim.35 | 99.7 |
| Dim.36 | 99.8 |
| Dim.37 | 99.8 |
| Dim.38 | 99.9 |
| Dim.39 | 99.9 |
| Dim.40 | 99.9 |
| Dim.41 | 100 |
| Dim.42 | 100 |
| Dim.43 | 100 |
| Dim.44 | 100 |
| Dim.45 | 100 |
| Dim.46 | 100 |

**Tabla 2. Cargas del PCA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Dim.1 | Dim.2 | Dim.3 | Dim.4 | Dim.5 |
| AQ\_ADIPOQ | 0.04 | 0.06 | -0.2 | 0.62 | -0.12 |
| AQ\_ALOX5 | -0.16 | -0.09 | -0.02 | 0.01 | -0.16 |
| AQ\_ARG1 | -0.06 | -0.37 | 0.09 | 0 | 0.04 |
| AQ\_BMP2 | -0.12 | -0.1 | 0.02 | 0.05 | 0.3 |
| AQ\_CCL2 | -0.11 | 0.34 | -0.15 | -0.14 | -0.08 |
| AQ\_CCL5 | -0.18 | 0.03 | 0.08 | 0.06 | 0.05 |
| AQ\_CCR5 | -0.17 | 0.14 | 0.09 | 0.07 | -0.08 |
| AQ\_CD274 | -0.16 | -0.11 | -0.03 | 0.02 | 0.04 |
| AQ\_CD36 | -0.16 | -0.02 | 0.05 | 0.02 | -0.09 |
| AQ\_CHKA | -0.11 | 0.13 | 0.28 | 0.12 | 0.12 |
| AQ\_CPT1A | -0.17 | 0.16 | 0.11 | 0.01 | -0.13 |
| AQ\_CSF2 | -0.1 | 0.07 | -0.05 | -0.03 | 0.39 |
| AQ\_CXCR1 | -0.14 | -0.19 | -0.15 | -0.01 | 0.14 |
| AQ\_FASN | -0.18 | 0.17 | 0.03 | 0.04 | 0.09 |
| AQ\_FOXO3 | -0.12 | -0.08 | 0.28 | 0.04 | -0.2 |
| AQ\_FOXP3 | -0.14 | 0.26 | -0.14 | -0.15 | -0.07 |
| AQ\_G6PD | -0.17 | -0.12 | 0.18 | 0.07 | -0.12 |
| AQ\_GPD2 | -0.16 | 0.16 | 0.08 | 0.09 | -0.03 |
| AQ\_GPX1 | -0.13 | -0.1 | 0.15 | -0.09 | -0.02 |
| AQ\_IFNG | -0.16 | 0.03 | -0.01 | 0.1 | 0.07 |
| AQ\_IL10 | -0.1 | -0.27 | -0.23 | 0.02 | -0.05 |
| AQ\_IL1B | -0.15 | -0.17 | -0.21 | -0.04 | 0.12 |
| AQ\_IL6 | -0.12 | -0.04 | -0.05 | 0.07 | 0.43 |
| AQ\_IRS1 | -0.14 | 0.09 | 0.11 | -0.09 | -0.09 |
| AQ\_JAK1 | -0.19 | 0.08 | -0.01 | -0.01 | 0.1 |
| AQ\_JAK3 | -0.14 | -0.17 | -0.32 | -0.04 | 0.01 |
| AQ\_LDHA | -0.17 | 0.06 | 0.03 | 0.01 | -0.01 |
| AQ\_LIF | -0.12 | 0.31 | 0.07 | 0 | 0.09 |
| AQ\_MAPK1 | -0.18 | -0.09 | 0.1 | 0.05 | -0.03 |
| AQ\_NFE2L2 | -0.18 | -0.02 | 0.02 | 0 | 0.01 |
| AQ\_NFKB1 | -0.18 | 0 | 0.03 | 0.04 | 0.11 |
| AQ\_NLRP3 | -0.17 | 0.05 | -0.1 | -0.06 | -0.17 |
| AQ\_NOS2 | -0.1 | 0.07 | -0.27 | -0.19 | -0.33 |
| AQ\_NOX5 | 0.04 | 0.06 | -0.2 | 0.62 | -0.12 |
| AQ\_PDCD1 | -0.15 | 0.12 | 0.04 | 0.11 | -0.12 |
| AQ\_PPARG | -0.15 | -0.17 | 0.05 | 0.09 | -0.22 |
| AQ\_PTAFR | -0.18 | -0.15 | 0 | 0.01 | -0.01 |
| AQ\_PTGS2 | -0.15 | -0.06 | 0.16 | 0.08 | 0.05 |
| AQ\_SLC2A4 | -0.02 | -0.25 | 0.34 | -0.03 | -0.24 |
| AQ\_SOD1 | -0.16 | 0.1 | 0.08 | -0.02 | 0.01 |
| AQ\_SREBF1 | -0.18 | 0.11 | 0.01 | -0.03 | 0.06 |
| AQ\_STAT3 | -0.16 | 0.05 | -0.26 | -0.14 | -0.11 |
| AQ\_TGFB1 | -0.18 | -0.02 | -0.09 | -0.02 | -0.02 |
| AQ\_TLR3 | -0.15 | -0.05 | 0.02 | 0.16 | 0.13 |
| AQ\_TLR4 | -0.16 | -0.17 | -0.18 | -0.05 | -0.04 |
| AQ\_TNF | -0.16 | -0.06 | -0.15 | -0.06 | -0.06 |

***Tabla 3. Descripciones estadísticas***



**Tabla 4. Regresión logística**

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Categorías | OR (IC 95%) | P value |
| PC1\_tercil | T1 | 1 (Ref.) | NA |
|  | T2 | 0,4 (0,067 - 2,104) | 0,286 |
|  | T3 | 1,1 (0,138 – 8,423) | 0,930 |
| PC2\_tercil | T1 | 1 (Ref.) | NA |
|  | T2 | 2,988 (0,421 – 25,782) | 0,288 |
|  | T3 | 1,167 (0,237 – 5,999) | 0,848 |
| Vómitos | No | 1 (Ref.) | NA |
|  | Sí | 0,988 (0,055 – 27,724) | 0,993 |
| Tumor | CCR | 1 (Ref.) | NA |
|  | CM | 2,729 (0,685 – 12,602) | 0,169 |
|  | CP | 2,309 (0,346 – 18,441) | 0,400 |
| Neuropatía | No | 1 (Ref.) | NA |
|  | Sí | 4,391 (0,672 – 41,688) | 0,147 |
| IgG | - | 0,999 (0,997 – 1,001) | 0,289 |
| PCR | - | 1,042 (0,995 – 1,128) | 0,215 |
| Linfocitos | - | 1,518 (0,495 – 5,191) | 0,478 |
| IgE | - | 0,999 (0,990 – 1,009) | 0,820 |

**INFORME**

* + *Basándote en los resultados obtenidos, elabora un informe de 1 página como máximo sobre: que conclusiones sacas del análisis del caso práctico en el HTML después de los análisis.*