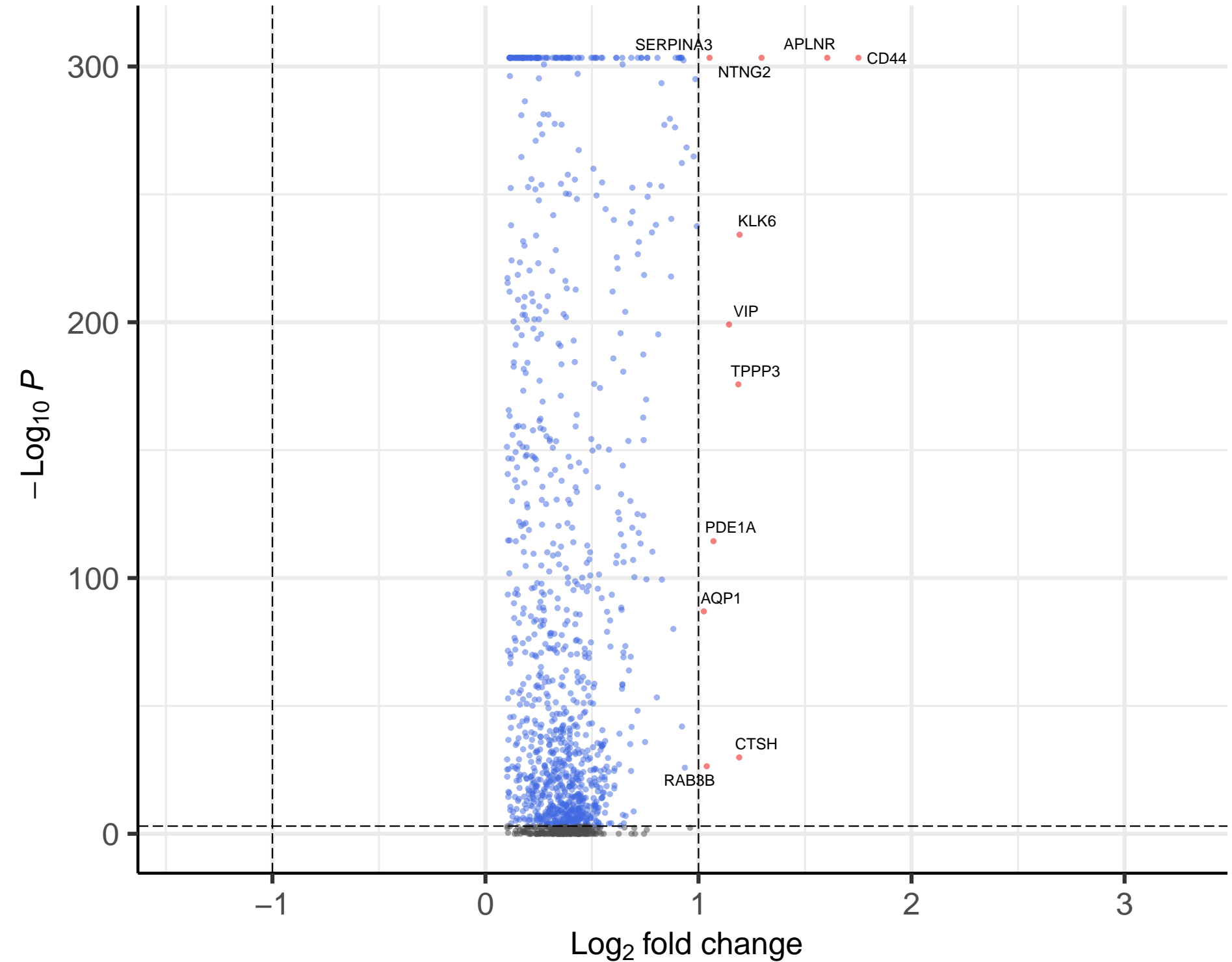


Cluster_1

EnhancedVolcano

● Not sig. ● p-value ● p-value & Log FC

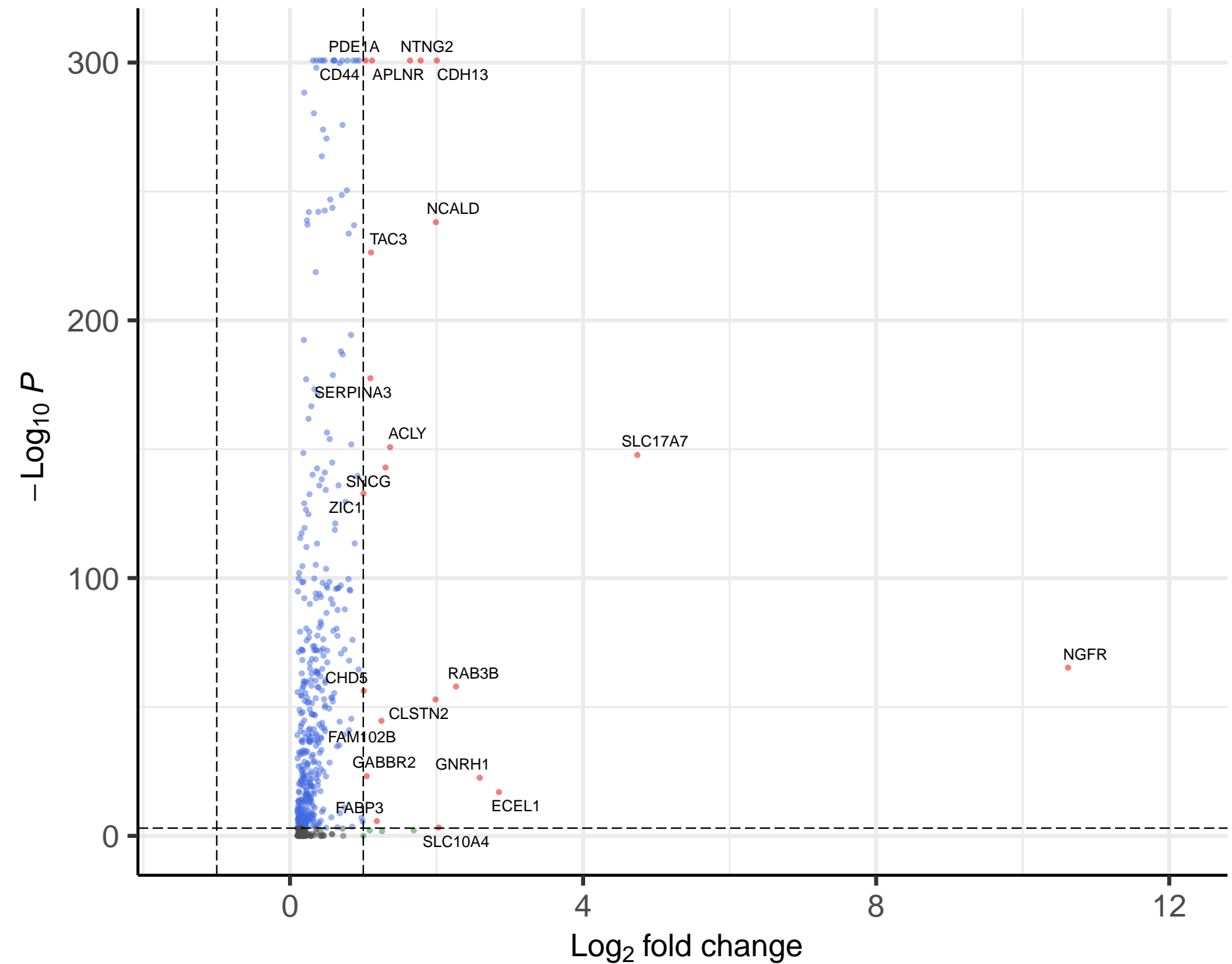


total = 1276 variables

Cluster_2

EnhancedVolcano

● Not sig. ● Log FC ● p-value ● p-value & Log FC

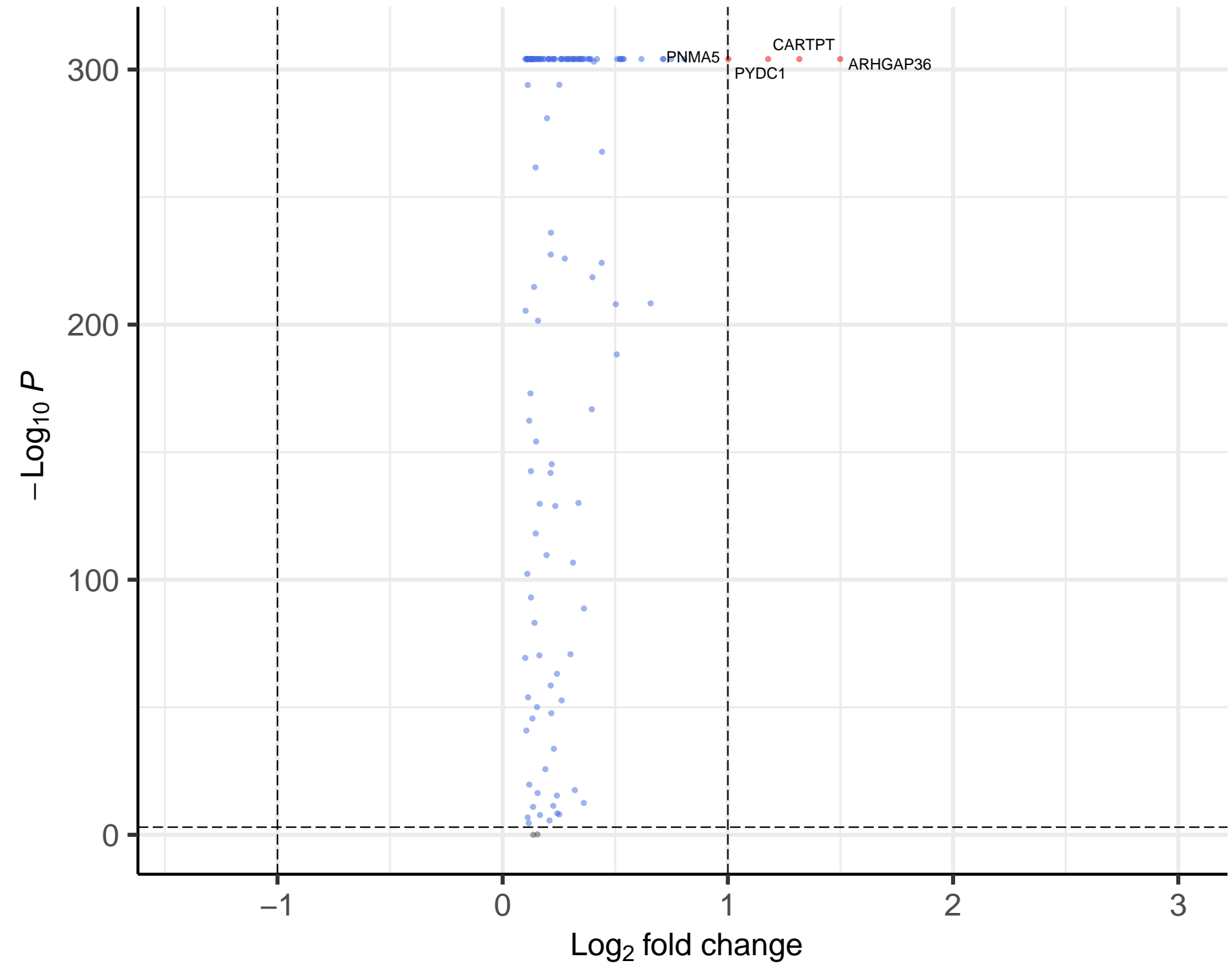


total = 525 variables

Cluster_3

EnhancedVolcano

● Not sig. ● p-value ● p-value & Log FC

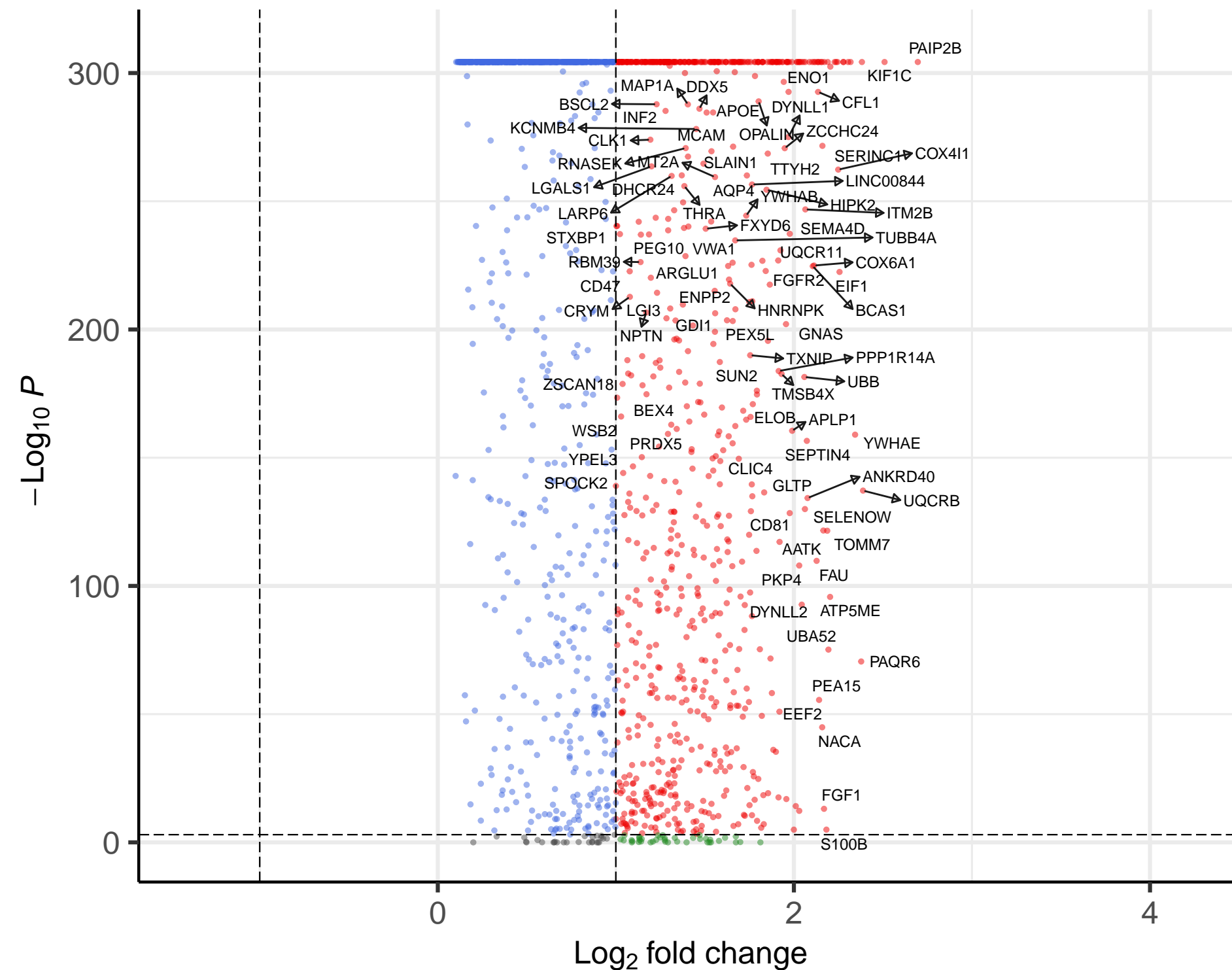


total = 133 variables

Cluster_4

EnhancedVolcano

● Not sig. ● Log FC ● p-value ● p-value & Log FC

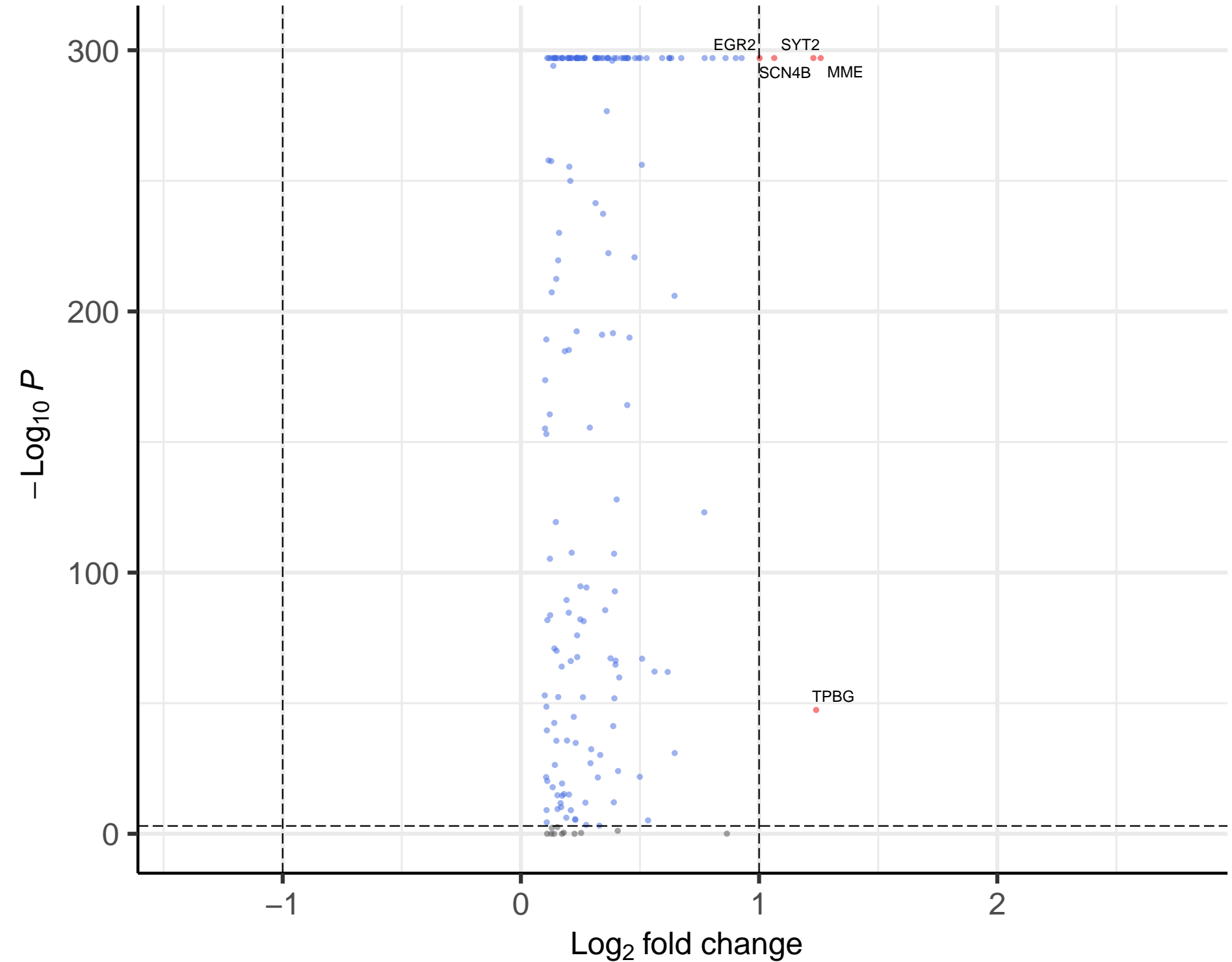


total = 1607 variables

Cluster_5

EnhancedVolcano

● Not sig. ● p-value ● p-value & Log FC



total = 179 variables

Enhanced Volcano

Volcano plot showing differentially expressed genes. The y-axis represents $-\log_{10} P$ (0 to 300) and the x-axis represents \log_2 fold change (0 to 9). Blue dots indicate downregulated genes, red dots indicate upregulated genes, and green dots indicate non-significant genes. A vertical dashed line is at \log_2 fold change = 1.5, and a horizontal dashed line is at $-\log_{10} P = 1.3$. Numerous genes are labeled with arrows indicating their direction of change.

Key labeled genes include:

- Upregulated (Red):** VIM, FOS, IGFBP7, DUSP1, S100A10, ADIRF, NEAT1, AK1, JUNB, HSPA1B, NR4A1, AEBP1, SERPINA3, CD24, CRIP1, NEK5, FOLR1, SPAG17, CFAP300, ROPN1L, SPATA18, MAPK15, TEK1, CAPS, DRC3, CFAP52, CFAP126, LRR46, CFAP157, ODF3B, DYNLRB2, DAAAF1, ZMYND10, DNAAF1, KIF9, AK7, DNAAF9, C5ORF49, DCN, MATN2, CCN1, COL1A2, COL6A2, ACTA2, SPAG8, TAGLN, CD44, CD47, CD48, CD49, CD50, CD51, CD52, CD53, CD54, CD55, CD56, CD57, CD58, CD59, CD60, CD61, CD62, CD63, CD64, CD65, CD66, CD67, CD68, CD69, CD70, CD71, CD72, CD73, CD74, CD75, CD76, CD77, CD78, CD79, CD80, CD81, CD82, CD83, CD84, CD85, CD86, CD87, CD88, CD89, CD90, CD91, CD92, CD93, CD94, CD95, CD96, CD97, CD98, CD99, CD100, CD101, CD102, CD103, CD104, CD105, CD106, CD107, CD108, CD109, CD110, CD111, CD112, CD113, CD114, CD115, CD116, CD117, CD118, CD119, CD120, CD121, CD122, CD123, CD124, CD125, CD126, CD127, CD128, CD129, CD130, CD131, CD132, CD133, CD134, CD135, CD136, CD137, CD138, CD139, CD140, CD141, CD142, CD143, CD144, 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total = 378 variables