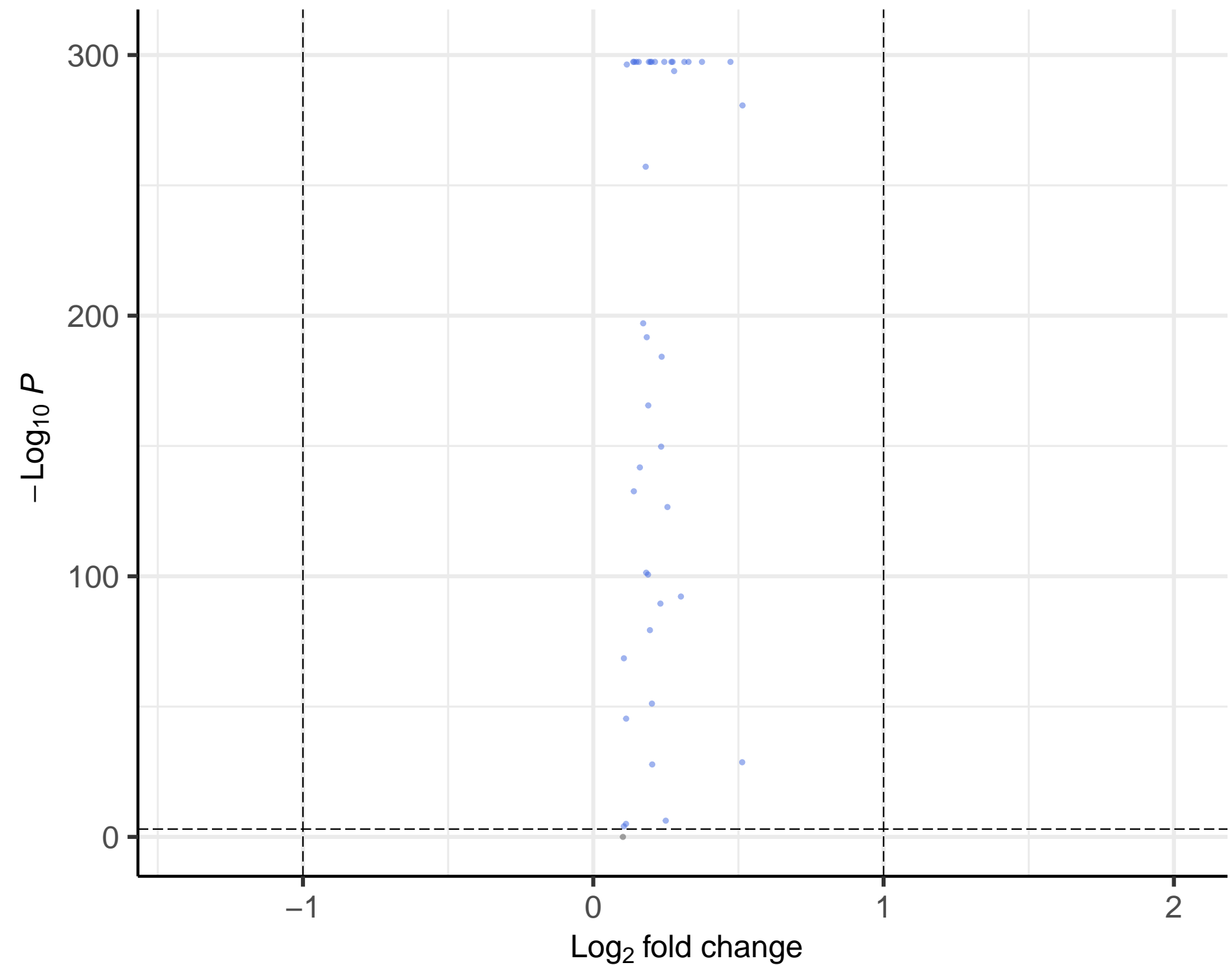


Enhanced Volcano

Enhanced Volcano

● Not sig. ● p-value

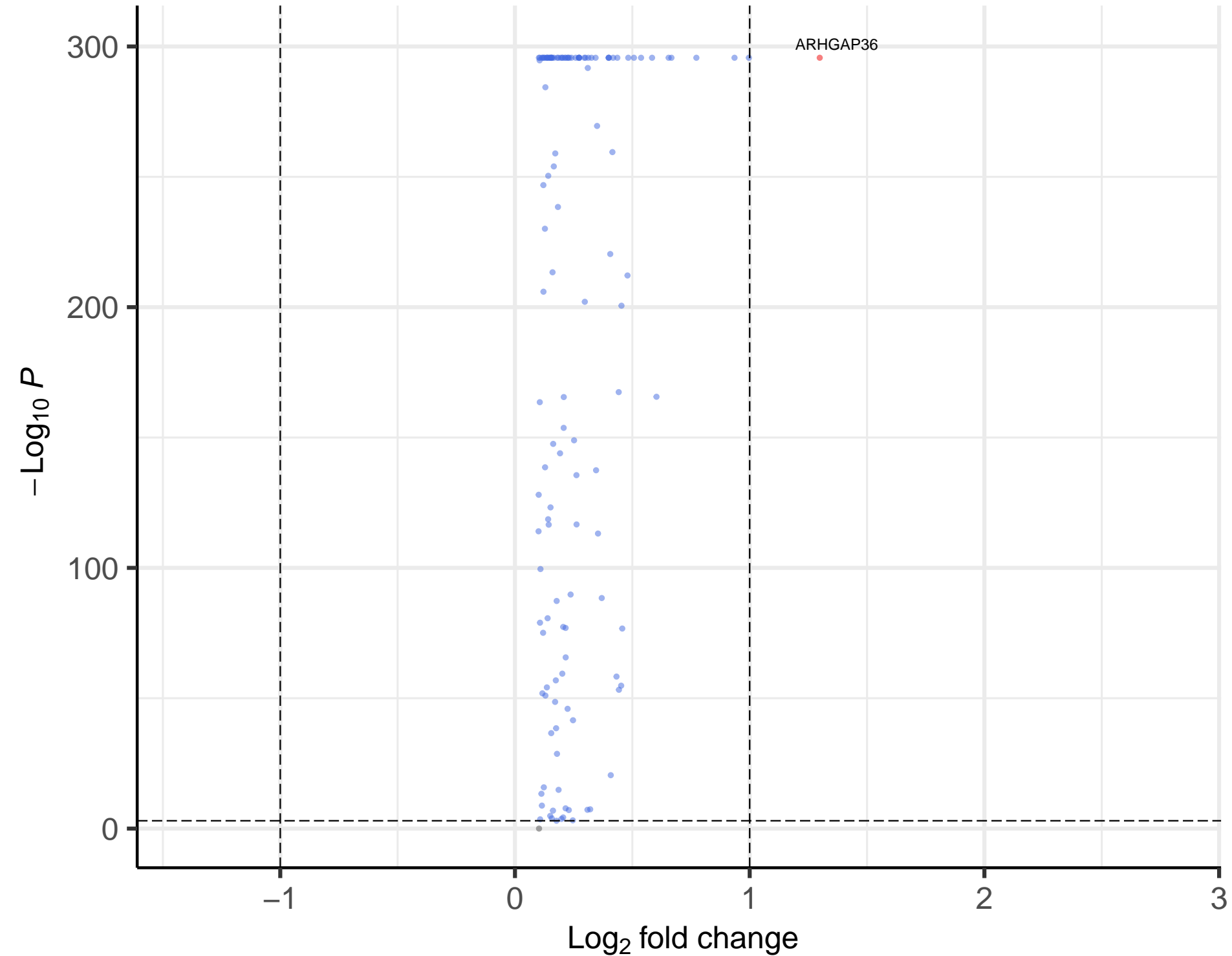


total = 41 variables

Cluster_2

EnhancedVolcano

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

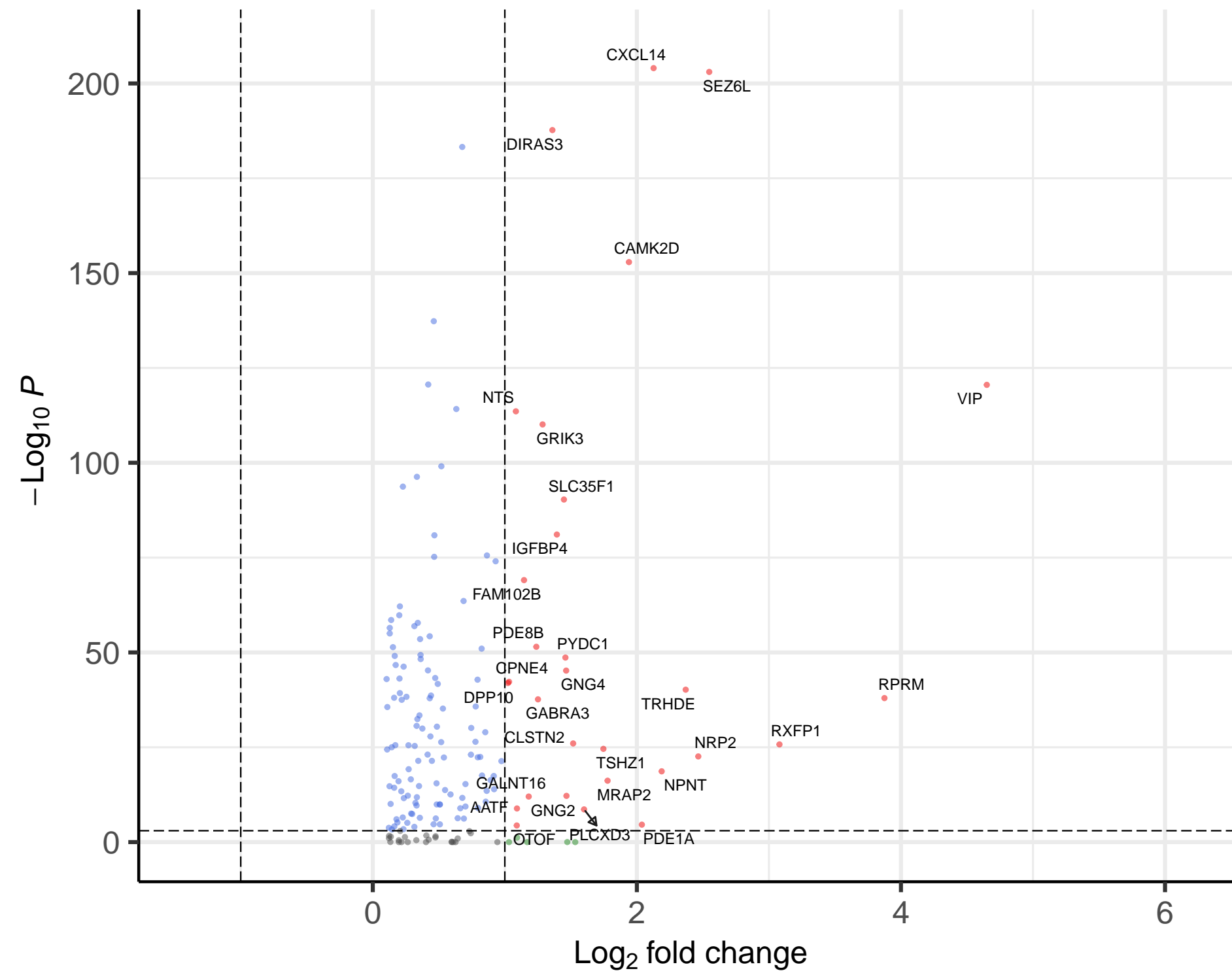


total = 131 variables

Cluster_3

EnhancedVolcano

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

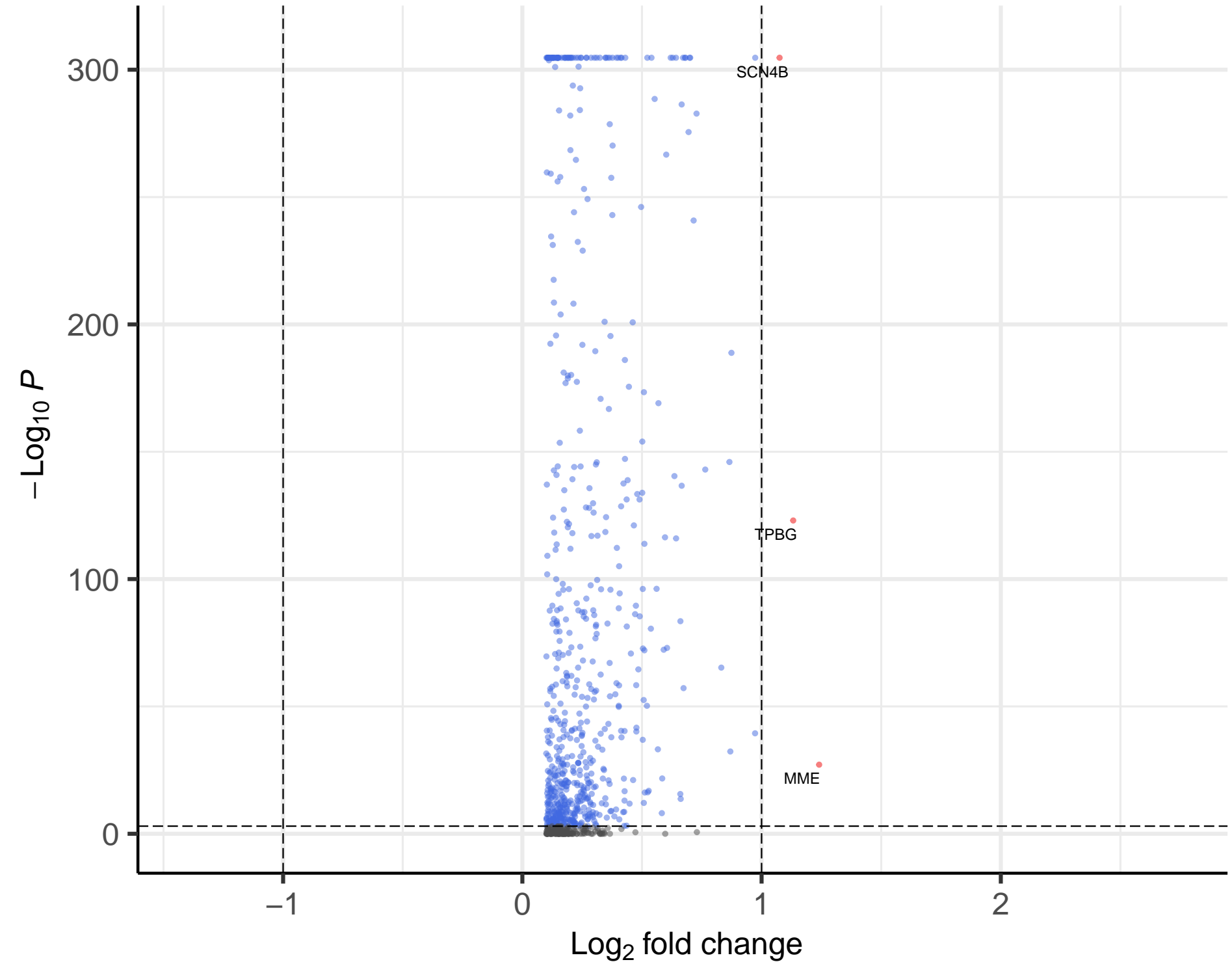


total = 173 variables

Cluster_4

EnhancedVolcano

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

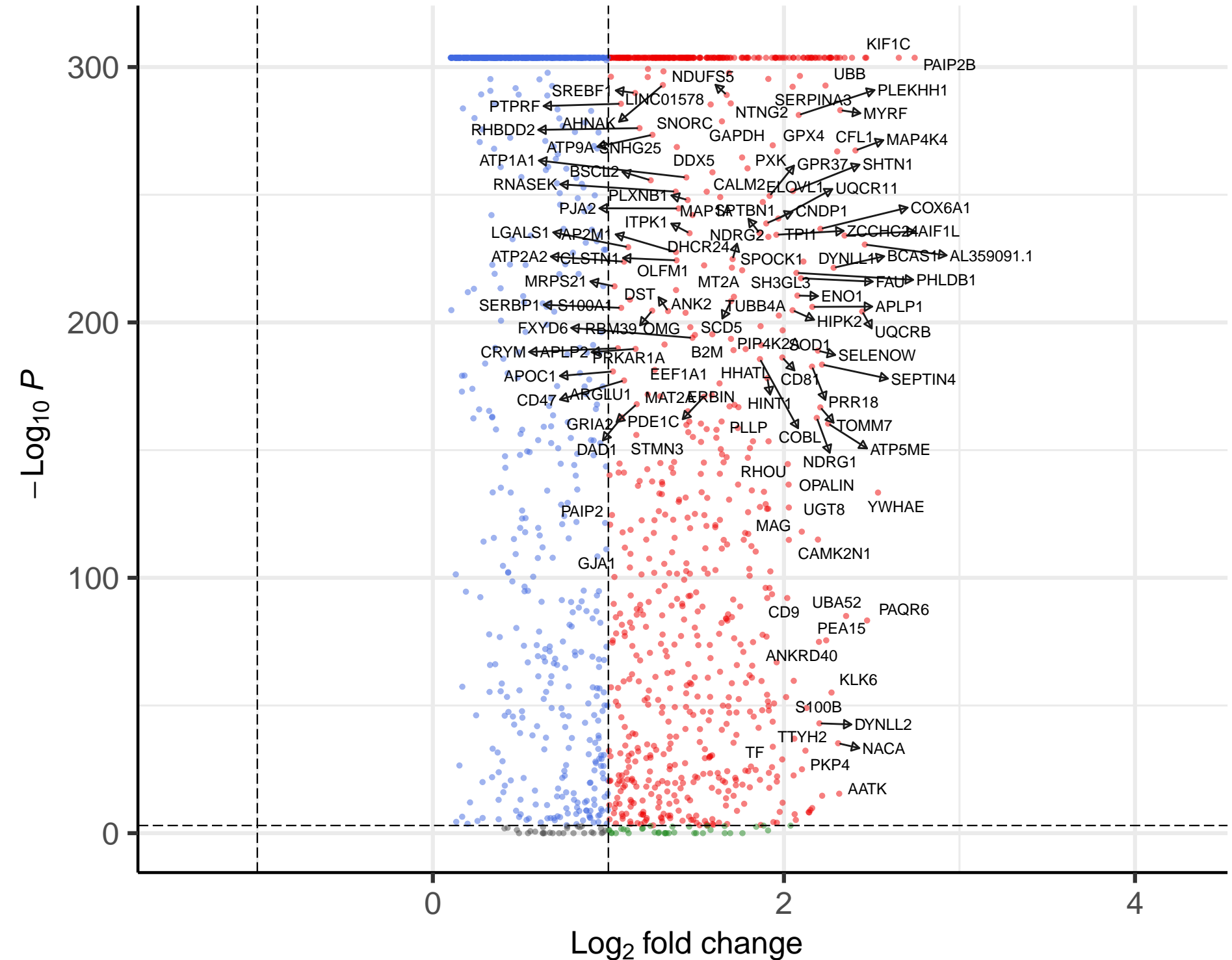


total = 784 variables

Cluster_5

EnhancedVolcano

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

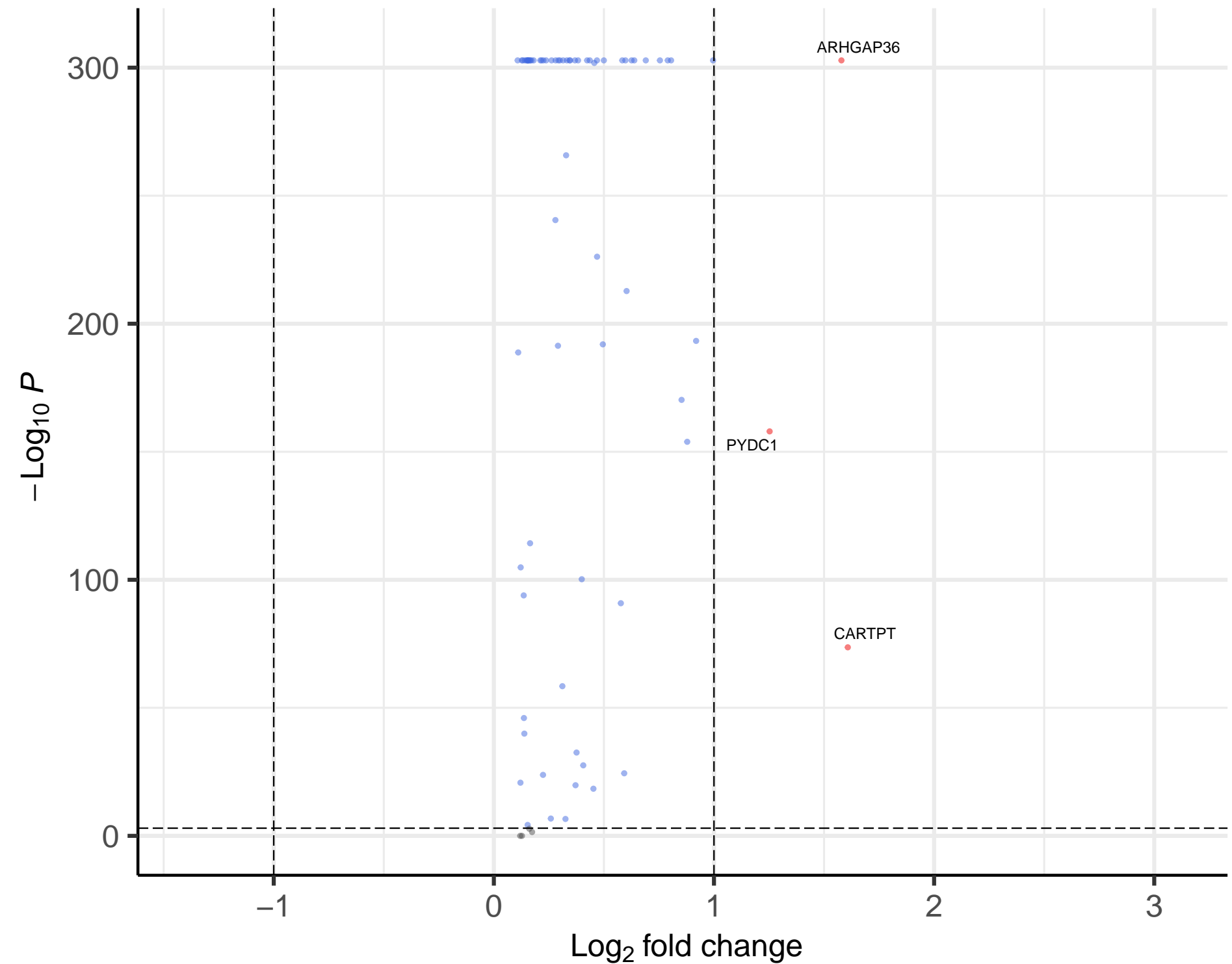


total = 1597 variables

Cluster_6

EnhancedVolcano

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

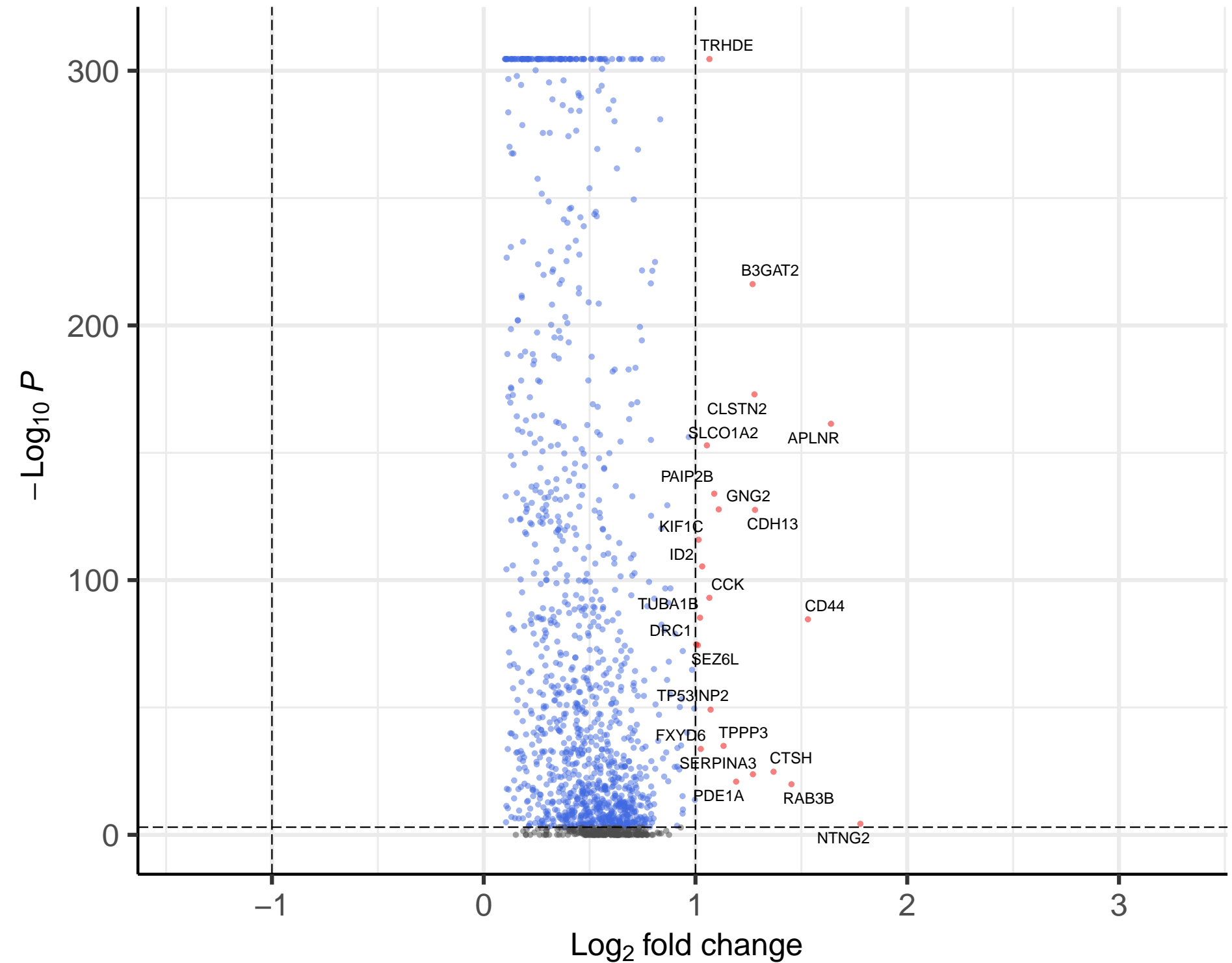


total = 76 variables

Cluster_7

EnhancedVolcano

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

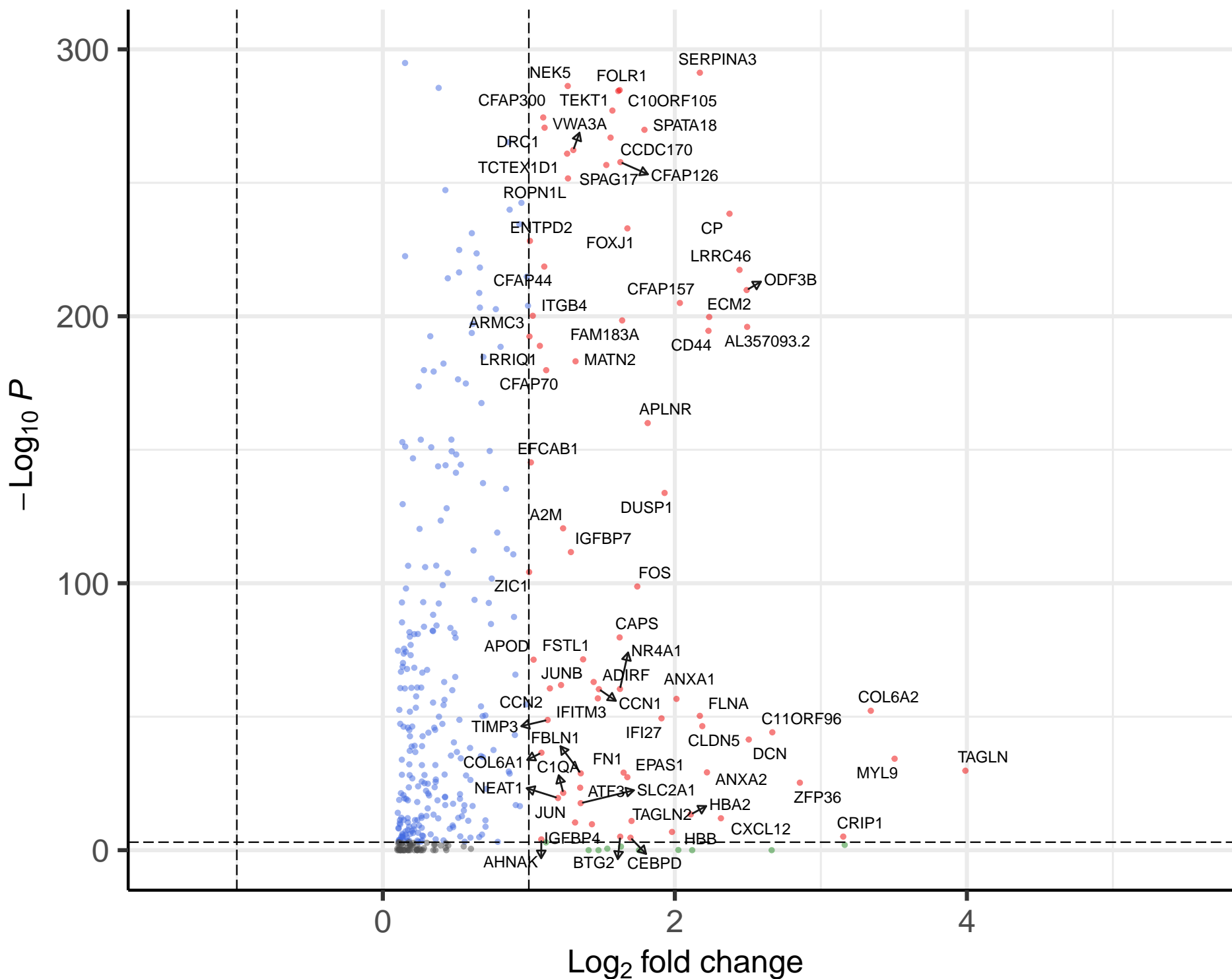


total = 1458 variables

Cluster_8

EnhancedVolcano

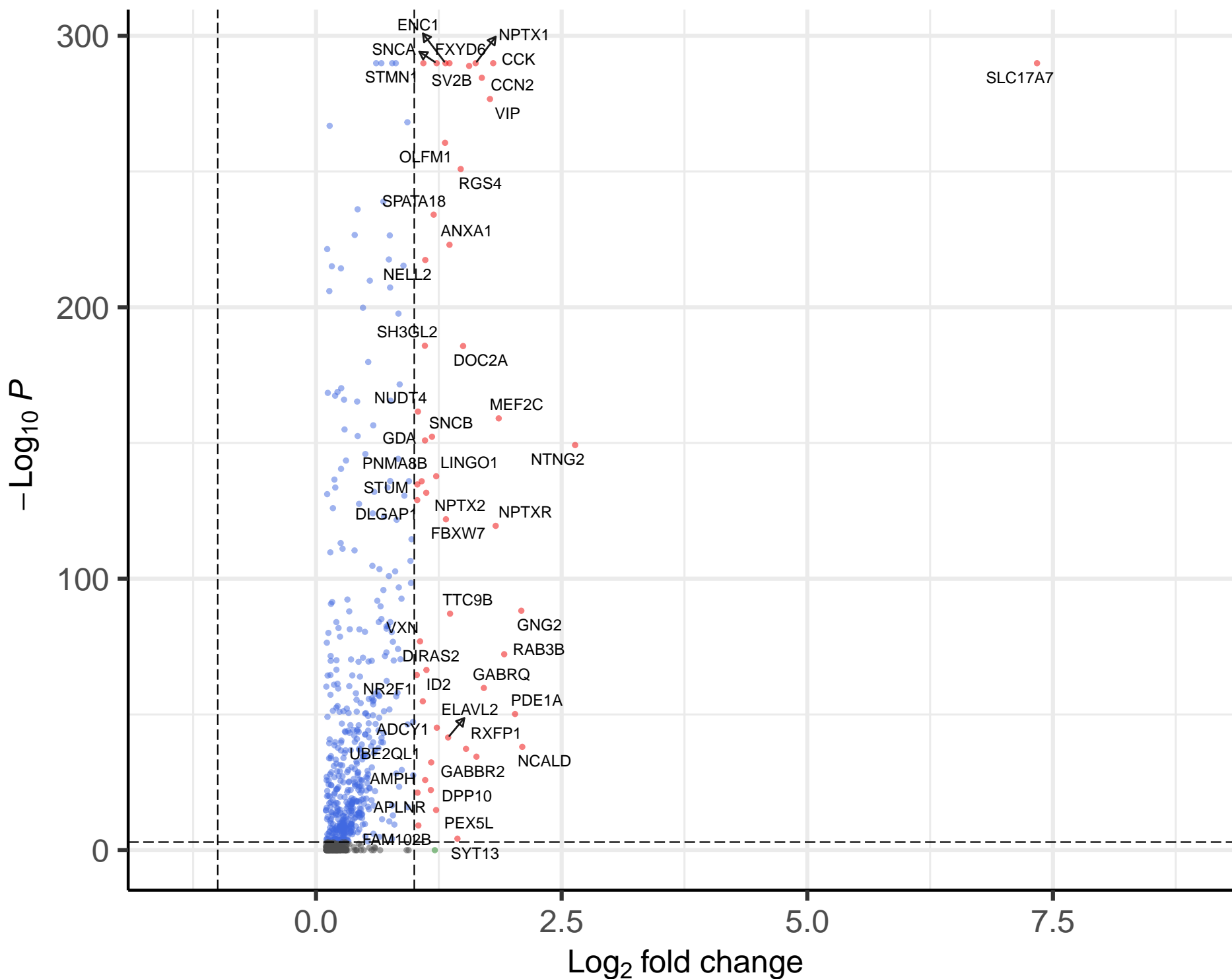
● Not sig. ● Log FC ● p-value ● p-value & Log FC



Cluster_9

EnhancedVolcano

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

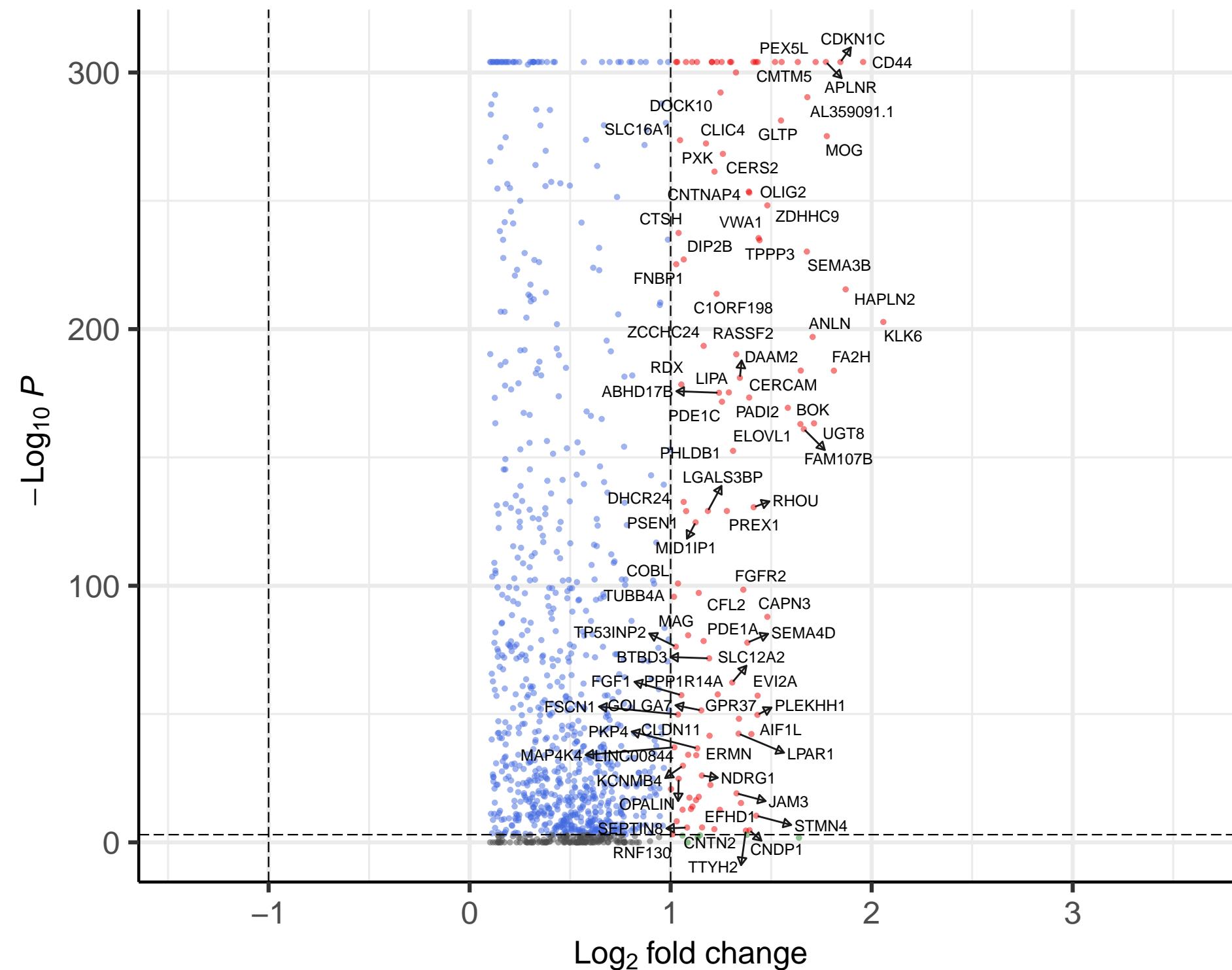


total = 686 variables

Cluster_10

EnhancedVolcano

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

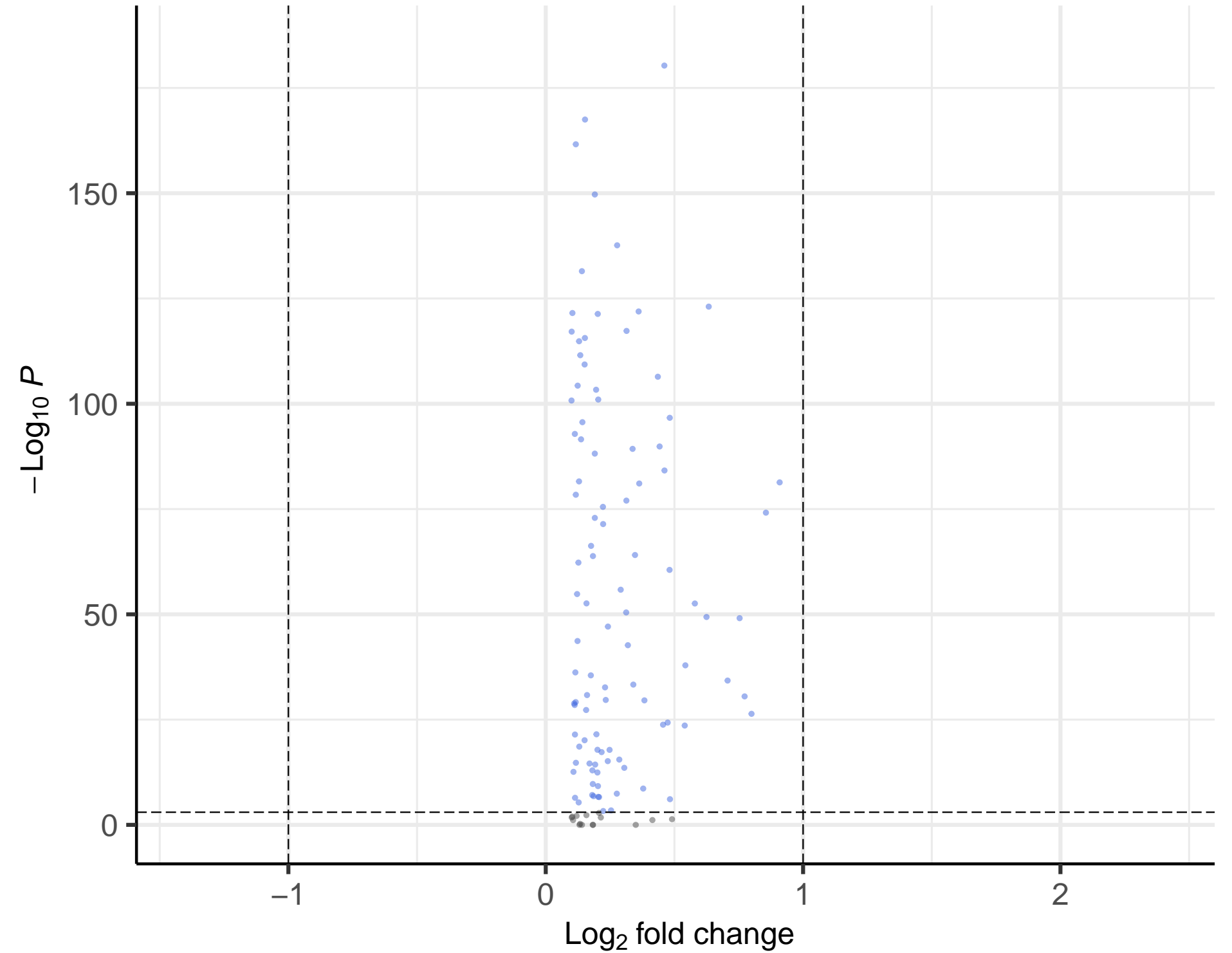


total = 1098 variables

Cluster_11

EnhancedVolcano

● Not sig. ● p-value



total = 115 variables

Enhanced Volcano

Volcano plot showing differentially expressed genes. The y-axis represents $-\log_{10} P$ (ranging from 0 to 300) and the x-axis represents \log_2 fold change (ranging from 0.0 to 7.5). A vertical dashed line is drawn at \log_2 fold change = 1.5, and a horizontal dashed line is drawn at $-\log_{10} P = 0$. Genes are color-coded: blue for downregulated and red for upregulated. Many upregulated genes are labeled with arrows pointing to their respective points.

Key labeled genes include:

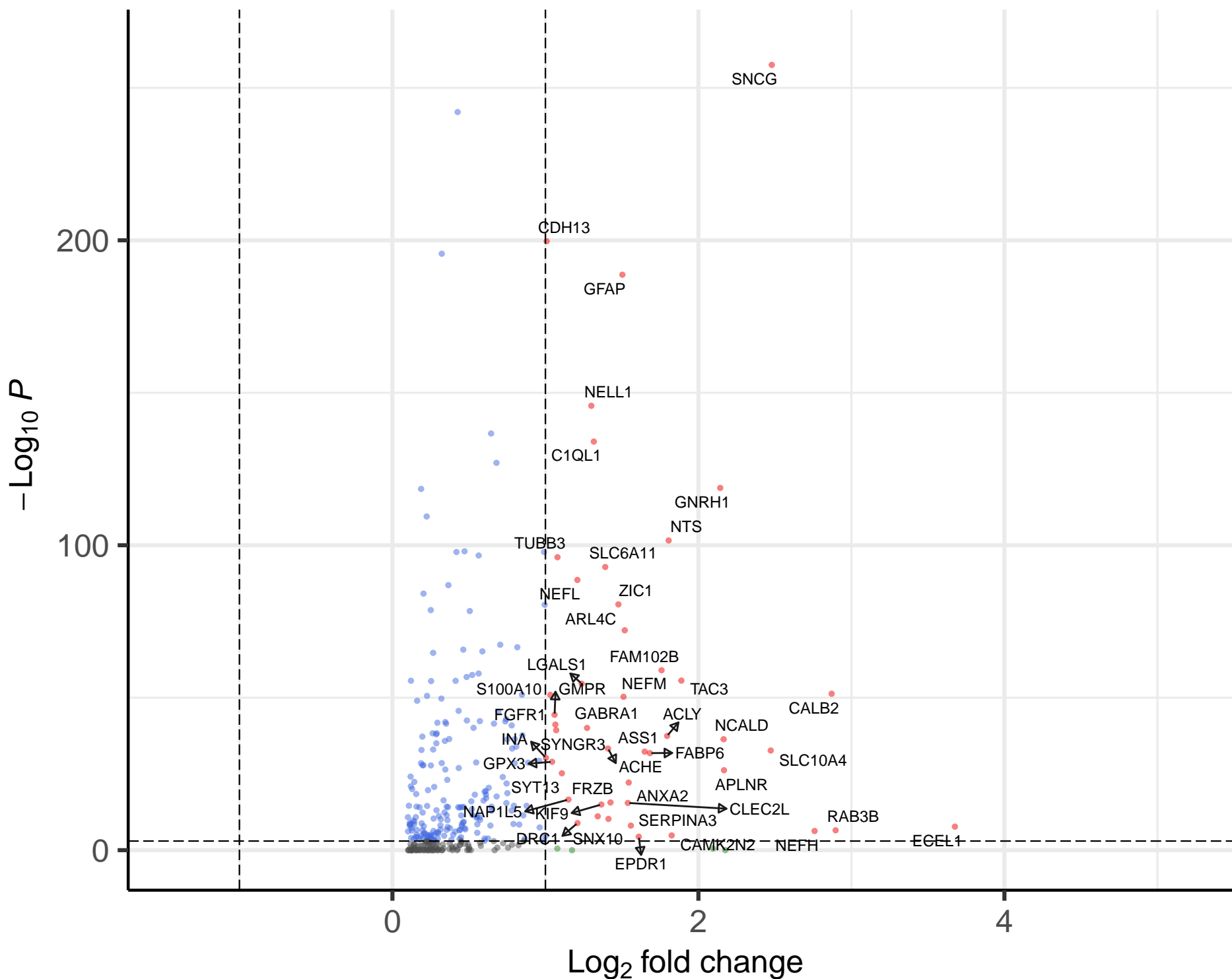
- NGFR
- ECEL1
- CRIP1
- ANXA1
- CAPS
- FOXJ1
- CFAP157
- ODF3B
- AL357093.2
- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
- CP
- SPAG17
- ROPN1L
- MAPK15
- CFAP300
- TEKT1
- SPATA18
- FOLR1
- NTS
- VWA3A
- CFAP53
- CFAP70
- DNALIT
- ENTPD2
- AK7
- WDR78
- C10ORF105
- ECM2
- CCDC17
- MEK5
- C5ORF49
- ACTA2
- HSPB8
- CXCL12
- EFHC1
- CCN1
- TYMP
- CFAP44
- CFAP52
- MORN5
- CFAP126
- CFAP157
- ODF3B
- AL357093.2
- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
- CP
- SPAG17
- ROPN1L
- MAPK15
- CFAP300
- TEKT1
- SPATA18
- FOLR1
- NTS
- VWA3A
- CFAP53
- CFAP70
- DNALIT
- ENTPD2
- AK7
- WDR78
- C10ORF105
- ECM2
- CCDC17
- MEK5
- C5ORF49
- ACTA2
- HSPB8
- CXCL12
- EFHC1
- CCN1
- TYMP
- CFAP44
- CFAP52
- MORN5
- CFAP126
- CFAP157
- ODF3B
- AL357093.2
- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
- CP
- SPAG17
- ROPN1L
- MAPK15
- CFAP300
- TEKT1
- SPATA18
- FOLR1
- NTS
- VWA3A
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- CFAP70
- DNALIT
- ENTPD2
- AK7
- WDR78
- C10ORF105
- ECM2
- CCDC17
- MEK5
- C5ORF49
- ACTA2
- HSPB8
- CXCL12
- EFHC1
- CCN1
- TYMP
- CFAP44
- CFAP52
- MORN5
- CFAP126
- CFAP157
- ODF3B
- AL357093.2
- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
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- SPAG17
- ROPN1L
- MAPK15
- CFAP300
- TEKT1
- SPATA18
- FOLR1
- NTS
- VWA3A
- CFAP53
- CFAP70
- DNALIT
- ENTPD2
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- MEK5
- C5ORF49
- ACTA2
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- CCN1
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- CFAP44
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- CFAP157
- ODF3B
- AL357093.2
- FAM183A
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- CFAP126
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- TEKT1
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- CFAP157
- ODF3B
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- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
- CP
- SPAG17
- ROPN1L
- MAPK15
- CFAP300
- TEKT1
- SPATA18
- FOLR1
- NTS
- VWA3A
- CFAP53
- CFAP70
- DNALIT
- ENTPD2
- AK7
- WDR78
- C10ORF105
- ECM2
- CCDC17
- MEK5
- C5ORF49
- ACTA2
- HSPB8
- CXCL12
- EFHC1
- CCN1
- TYMP
- CFAP44
- CFAP52
- MORN5
- CFAP126
- CFAP157
- ODF3B
- AL357093.2
- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
- CP
- SPAG17
- ROPN1L
- MAPK15
- CFAP300
- TEKT1
- SPATA18
- FOLR1
- NTS
- VWA3A
- CFAP53
- CFAP70
- DNALIT
- ENTPD2
- AK7
- WDR78
- C10ORF105
- ECM2
- CCDC17
- MEK5
- C5ORF49
- ACTA2
- HSPB8
- CXCL12
- EFHC1
- CCN1
- TYMP
- CFAP44
- CFAP52
- MORN5
- CFAP126
- CFAP157
- ODF3B
- AL357093.2
- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
- CP
- SPAG17
- ROPN1L
- MAPK15
- CFAP300
- TEKT1
- SPATA18
- FOLR1
- NTS
- VWA3A
- CFAP53
- CFAP70
- DNALIT
- ENTPD2
- AK7
- WDR78
- C10ORF105
- ECM2
- CCDC17
- MEK5
- C5ORF49
- ACTA2
- HSPB8
- CXCL12
- EFHC1
- CCN1
- TYMP
- CFAP44
- CFAP52
- MORN5
- CFAP126
- CFAP157
- ODF3B
- AL357093.2
- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
- CP
- SPAG17
- ROPN1L
- MAPK15
- CFAP300
- TEKT1
- SPATA18
- FOLR1
- NTS
- VWA3A
- CFAP53
- CFAP70
- DNALIT
- ENTPD2
- AK7
- WDR78
- C10ORF105
- ECM2
- CCDC17
- MEK5
- C5ORF49
- ACTA2
- HSPB8
- CXCL12
- EFHC1
- CCN1
- TYMP
- CFAP44
- CFAP52
- MORN5
- CFAP126
- CFAP157
- ODF3B
- AL357093.2
- FAM183A
- LRRC46
- CFAP43
- ANXA2
- C1ORF194
- PIFO
- SPAG8
- EFCAB1
- DYNLRB2
- TCTEX1D1
- CFAP126
- DRC3
- CP
- SPAG

total = 388 variables

Cluster_13

EnhancedVolcano

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

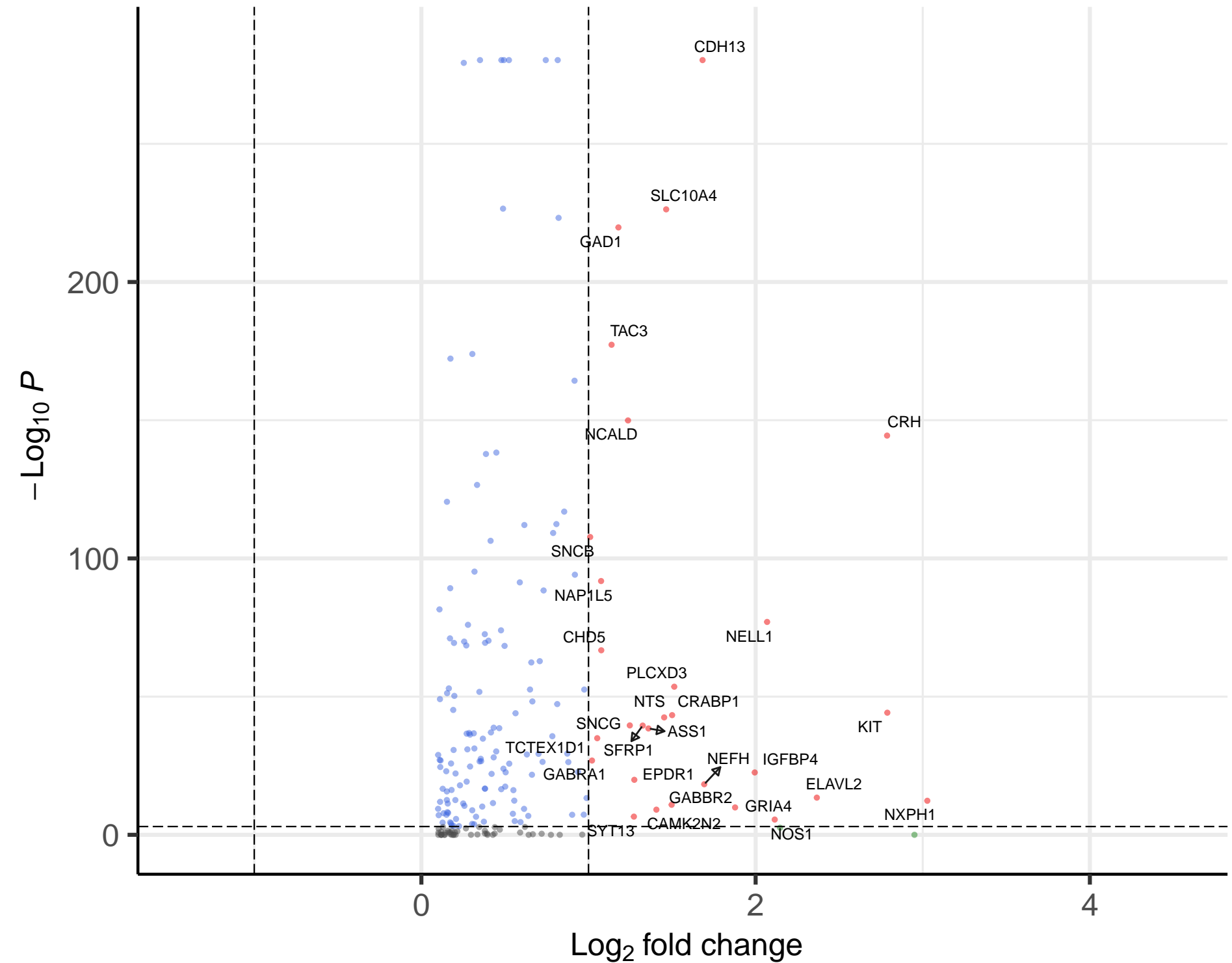


total = 331 variables

Cluster_14

EnhancedVolcano

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

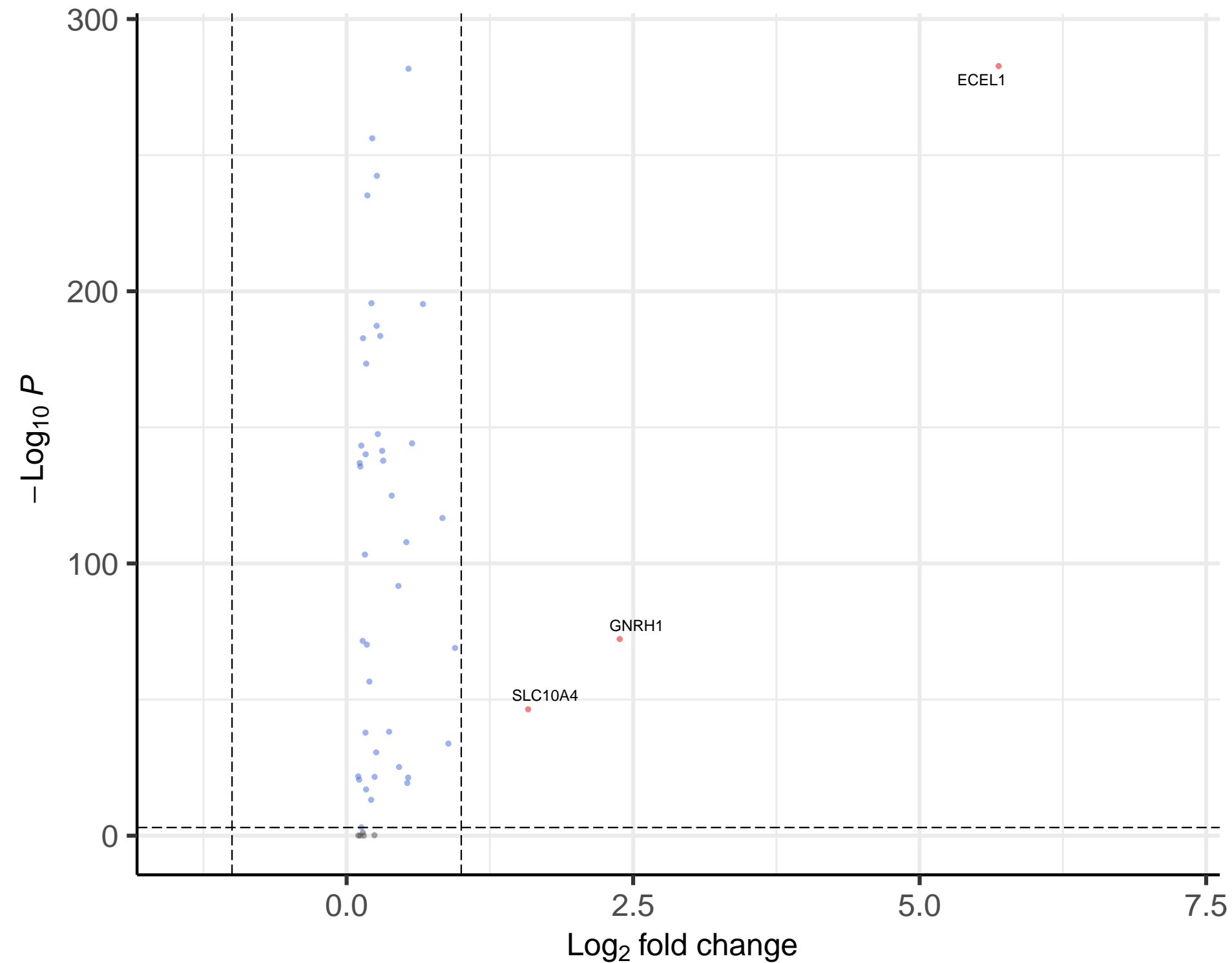


total = 204 variables

Cluster_15

EnhancedVolcano

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



total = 48 variables