

Heatmap visualization showing gene expression patterns across 100 samples, categorized into two groups: **clus4** (red) and **NON.clus4** (blue). The y-axis lists 60 genes, and the x-axis lists 100 samples. The heatmap is color-coded by cluster, with clus4 in red and NON.clus4 in blue.

Gene List (Y-axis):

- Class
- TGFA
- CCND1
- ERBB2
- STAT1
- TGFB
- RALGDS
- BAD
- AKT3
- STAT3
- VEGFB
- RALA
- TGFB1
- RELA
- PIK3CB
- PCF
- TIGF
- VEGFA
- IKBKB
- RAC2
- CDK4
- ARAF
- CDKN2A
- IKBKG
- RAD1
- MAPK10
- CASP9
- KRAS
- AKT1
- PIK3R2
- MAPK3
- CDC42
- SMAD3
- TP53
- SMAD2
- MAP2K1
- CAUK
- E2F3
- RAK1
- RAK1
- AKT2
- BRAF
- RALB
- SMAD4
- TGFB3
- MAPK9
- RAF1
- MAPK1
- RB1
- EGF
- PLD1
- NFKB1
- RAC2
- PIK3CA
- TGFB1
- PIK3CA
- TGFB2
- BRCA2
- VEGFC
- BCL2L1
- PIK3R3
- MAPK8
- RAD51
- PIK3R3
- PIK3CG
- PIK3R1
- EGFR
- ARHGEF6
- CDK6
- E2F2

Sample List (X-axis):

- TCGA-02-0001
- TCGA-02-0002
- TCGA-02-0003
- TCGA-02-0004
- TCGA-02-0005
- TCGA-02-0006
- TCGA-02-0007
- TCGA-02-0008
- TCGA-02-0009
- TCGA-02-0010
- TCGA-02-0011
- TCGA-02-0012
- TCGA-02-0013
- TCGA-02-0014
- TCGA-02-0015
- TCGA-02-0016
- TCGA-02-0017
- TCGA-02-0018
- TCGA-02-0019
- TCGA-02-0020
- TCGA-02-0021
- TCGA-02-0022
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- TCGA-02-0032
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- TCGA-02-0037
- TCGA-02-0038
- TCGA-02-0039
- TCGA-02-0040
- TCGA-02-0041
- TCGA-02-0042
- TCGA-02-0043
- TCGA-02-0044
- TCGA-02-0045
- TCGA-02-0046
- TCGA-02-0047
- TCGA-02-0048
- TCGA-02-0049
- TCGA-02-0050
- TCGA-02-0051
- TCGA-02-0052
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- TCGA-02-0054
- TCGA-02-0055
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- TCGA-02-0058
- TCGA-02-0059
- TCGA-02-0060
- TCGA-02-0061
- TCGA-02-0062
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- TCGA-02-0064
- TCGA-02-0065
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- TCGA-02-0068
- TCGA-02-0069
- TCGA-02-0070
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- TCGA-02-0072
- TCGA-02-0073
- TCGA-02-0074
- TCGA-02-0075
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- TCGA-02-0080
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- TCGA-02-0090
- TCGA-02-0091
- TCGA-02-0092
- TCGA-02-0093
- TCGA-02-0094
- TCGA-02-0095
- TCGA-02-0096
- TCGA-02-0097
- TCGA-02-0098
- TCGA-02-0099
- TCGA-02-0100