|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Healthy -> Leukemia** |  | **Leukemia -> Healthy** |
| **Subtype** | **ALL data sets** | **Developmental stage, DS5 (n=30)** |  | **Developmental stage, DS5 (n=30)** |
| **CLPs (n=8)** | **pro-B (n=7)** | **pre-B (n=8)** | **iB (n=7)** |  | **CLPs (n=8)** | **pro-B (n=7)** | **pre-B (n=8)** | **iB (n=7)** |
| ***ETV6-******RUNX1*** | **DS1 (n=34)** |  | **0.004** |  |  |  |  | **0.004** |  |  |
| **DS2 (n=29)** |  | **0.006** |  |  |  |  | **0.006** |  |  |
| **DS3 (n=20)** |  | **0.006** |  |  |  |  | **0.002** |  |  |
| **DS4 (n=23)** |  | **0.008** |  |  |  |  | **0.028** |  |  |
| ***TCF3-******PBX1*** | **DS1 (n=16)** |  |  | **< 0.001** |  |  |  |  | **< 0.001** |  |
| **DS2 (n=7)** |  |  | **< 0.001** |  |  |  |  | **< 0.001** |  |
| **DS3 (n=18)** |  |  |  **0.004** |  |  |  |  | **< 0.001** |  |
| **DS4 (n=8)** |  |  | **< 0.001** |  |  |  |  | **< 0.001** |  |
| ***BCR-******ABL1*** | **DS1 (n=20)** |  | **0.011** |  |  |  |  |  |  |  |
| **DS2 (n=6)** |  |  |  |  |  | **0.019** |  |  |  |
| **DS3 (n=15)** | **0.033** | **0.004** |  |  |  |  |  |  |  |
| **DS4 (n=18)** |  | **0.035** |  |  |  |  |  |  |  |
| ***MLL*** | **DS1 (n=13)** |  |  |  |  |  |  |  |  |  |
| **DS2 (n=4)** |  |  |  |  |  |  |  |  |  |
| **DS3 (n=20)** |  |  |  |  |  |  |  |  |  |
| **DS4 (n=15)** |  |  |  |  |  |  |  |  |  |
| **HH** | **DS1 (n=44)** |  |  |  |  |  |  |  |  |  |
| **DS2 (n=35)** |  |  |  |  |  |  |  |  |  |
| **DS3 (n=17)** |  |  |  |  |  |  |  |  |  |
| **DS4 (n=27)** |  |  |  |  |  |  |  |  |  |
| **Other** | **DS1 (n=48)** |  |  |  |  |  |  |  |  |  |
| **DS2 (n=0)** |  |  |  |  |  |  |  |  |  |
| **DS3 (n=28)** |  |  |  |  |  |  |  |  |  |
| **DS4 (n=36)** |  |  |  |  |  |  |  |  |  |

iB, Immature B cells; DS, data set. DS1-4 (BCP-ALL), DS5 (healthy). DS1: GSE12995; DS2: GSE17703; DS3: Blood 2003; DS4: GSE26281; DS5: GSE45460.