

| CD34 <sup>+</sup> |       |       |       |       |          |
|-------------------|-------|-------|-------|-------|----------|
| BCR 1             | BCR 2 | MLL 1 | MLL 2 | MLL 3 | MLL 3 ΦX |

| GM12878 |        |        |
|---------|--------|--------|
| ABL     | MLL p1 | MLL p2 |

|              |                   |          |
|--------------|-------------------|----------|
| Active Marks | Gene Density      |          |
|              | CD34 <sup>+</sup> | RNA-Seq  |
|              |                   | DNase    |
|              |                   | H3K27ac  |
|              |                   | H3K36me3 |
|              |                   | H3K4me1  |
|              |                   | H3K4me3  |
|              | GM12878           | DNase    |
|              |                   | RNA-Seq  |
|              |                   | RNAPII   |
|              |                   | H3K27ac  |
|              |                   | H3K36me3 |
|              |                   | H3K4me1  |
|              |                   | H3K4me3  |
|              | K562              | RNAPII   |
|              | HeLa              | RNAPII   |
|              | NB4               | RNAPII   |

|       |       |
|-------|-------|
| 0.707 | 0.741 |
| 0.700 | 0.723 |
| 0.672 | 0.682 |
| 0.629 | 0.639 |
| 0.607 | 0.622 |
| 0.749 | 0.757 |
| 0.636 | 0.659 |
| 0.718 | 0.731 |
| 0.688 | 0.713 |
| 0.743 | 0.760 |
| 0.584 | 0.588 |
| 0.598 | 0.607 |
| 0.660 | 0.661 |
| 0.550 | 0.557 |
| 0.773 | 0.794 |
| 0.770 | 0.799 |
| 0.729 | 0.767 |

|       |       |       |       |
|-------|-------|-------|-------|
| 0.228 | 0.201 | 0.284 | 0.258 |
| 0.216 | 0.240 | 0.294 | 0.249 |
| 0.281 | 0.387 | 0.218 | 0.376 |
| 0.279 | 0.379 | 0.227 | 0.363 |
| 0.263 | 0.333 | 0.232 | 0.348 |
| 0.306 | 0.366 | 0.292 | 0.379 |
| 0.263 | 0.345 | 0.198 | 0.329 |
| 0.275 | 0.351 | 0.268 | 0.386 |
| 0.242 | 0.241 | 0.280 | 0.241 |
| 0.291 | 0.316 | 0.275 | 0.320 |
| 0.222 | 0.295 | 0.215 | 0.216 |
| 0.259 | 0.324 | 0.229 | 0.335 |
| 0.298 | 0.350 | 0.261 | 0.329 |
| 0.252 | 0.331 | 0.182 | 0.290 |
| 0.305 | 0.239 | 0.401 | 0.355 |
| 0.178 | 0.253 | 0.225 | 0.279 |
| 0.174 | 0.267 | 0.201 | 0.321 |

|       |       |       |
|-------|-------|-------|
| 0.614 | 0.503 | 0.577 |
| 0.635 | 0.533 | 0.613 |
| 0.547 | 0.491 | 0.605 |
| 0.558 | 0.501 | 0.610 |
| 0.549 | 0.483 | 0.622 |
| 0.630 | 0.551 | 0.655 |
| 0.548 | 0.463 | 0.583 |
| 0.589 | 0.547 | 0.648 |
| 0.672 | 0.553 | 0.637 |
| 0.659 | 0.573 | 0.654 |
| 0.554 | 0.458 | 0.544 |
| 0.575 | 0.507 | 0.635 |
| 0.616 | 0.540 | 0.648 |
| 0.522 | 0.447 | 0.553 |
| 0.653 | 0.527 | 0.641 |
| 0.660 | 0.543 | 0.629 |
| 0.622 | 0.504 | 0.631 |

|                |                   |          |
|----------------|-------------------|----------|
| Inactive Marks | CD34 <sup>+</sup> | H3K9me3  |
|                |                   | H3K27me3 |
|                | GM12878           | H3K9me3  |
|                |                   | H3K27me3 |

|       |       |
|-------|-------|
| 0.064 | 0.080 |
| 0.353 | 0.344 |
| 0.120 | 0.119 |
| 0.356 | 0.342 |

|       |       |        |       |
|-------|-------|--------|-------|
| 0.032 | 0.185 | 0.055  | 0.157 |
| 0.140 | 0.230 | 0.084  | 0.227 |
| 0.090 | 0.229 | -0.020 | 0.158 |
| 0.188 | 0.319 | 0.100  | 0.250 |

|       |       |       |
|-------|-------|-------|
| 0.034 | 0.016 | 0.132 |
| 0.303 | 0.317 | 0.374 |
| 0.099 | 0.115 | 0.210 |
| 0.359 | 0.344 | 0.406 |

|         |         |                |
|---------|---------|----------------|
| Control | GM12878 | ChIP-Seq Input |
|---------|---------|----------------|

|       |       |
|-------|-------|
| 0.254 | 0.247 |
|-------|-------|

|       |       |       |       |
|-------|-------|-------|-------|
| 0.136 | 0.164 | 0.212 | 0.127 |
|-------|-------|-------|-------|

|       |       |       |
|-------|-------|-------|
| 0.016 | 0.087 | 0.096 |
|-------|-------|-------|

|               |                   |            |
|---------------|-------------------|------------|
| e4C Libraries | CD34 <sup>+</sup> | BCR 1      |
|               |                   | BCR 2      |
|               |                   | MLL 1      |
|               |                   | MLL 2      |
|               |                   | MLL 3      |
|               |                   | MLL 3 phiX |
|               | GM12878           | ABL        |
|               |                   | MLL p1     |
|               |                   | MLL p2     |

|       |       |
|-------|-------|
| 1.000 | 0.893 |
| 0.893 | 1.000 |
| 0.146 | 0.171 |
| 0.146 | 0.187 |
| 0.722 | 0.817 |
| 0.122 | 0.153 |
| 0.625 | 0.634 |
| 0.126 | 0.165 |
| 0.130 | 0.166 |

|       |       |       |       |
|-------|-------|-------|-------|
| 0.146 | 0.146 | 0.722 | 0.122 |
| 0.171 | 0.187 | 0.817 | 0.153 |
| 1.000 | 0.213 | 0.679 | 0.197 |
| 0.213 | 1.000 | 0.083 | 0.093 |
| 0.679 | 0.083 | 1.000 | 0.401 |
| 0.197 | 0.093 | 0.401 | 1.000 |
| 0.280 | 0.152 | 0.304 | 0.195 |
| 0.249 | 0.169 | 0.229 | 0.193 |
| 0.262 | 0.250 | 0.247 | 0.254 |

|       |       |       |
|-------|-------|-------|
| 0.625 | 0.126 | 0.130 |
| 0.634 | 0.165 | 0.166 |
| 0.280 | 0.249 | 0.262 |
| 0.152 | 0.169 | 0.250 |
| 0.304 | 0.229 | 0.247 |
| 0.195 | 0.193 | 0.254 |
| 1.000 | 0.535 | 0.546 |
| 0.535 | 1.000 | 0.476 |
| 0.546 | 0.476 | 1.000 |

|              |
|--------------|
| Colour scale |
|--------------|

