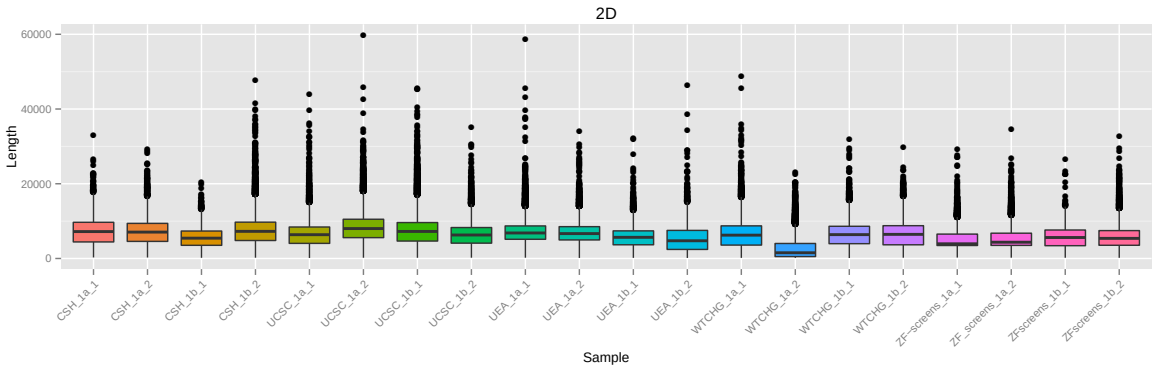
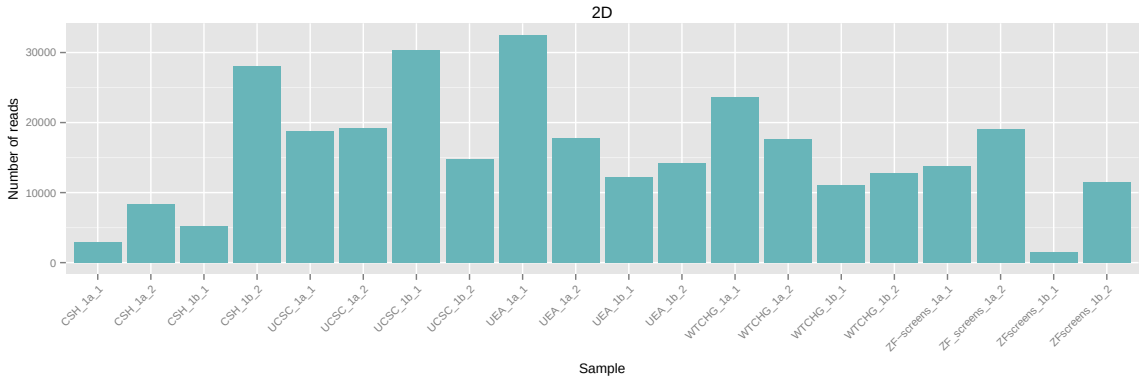
# NanoOK comparison report

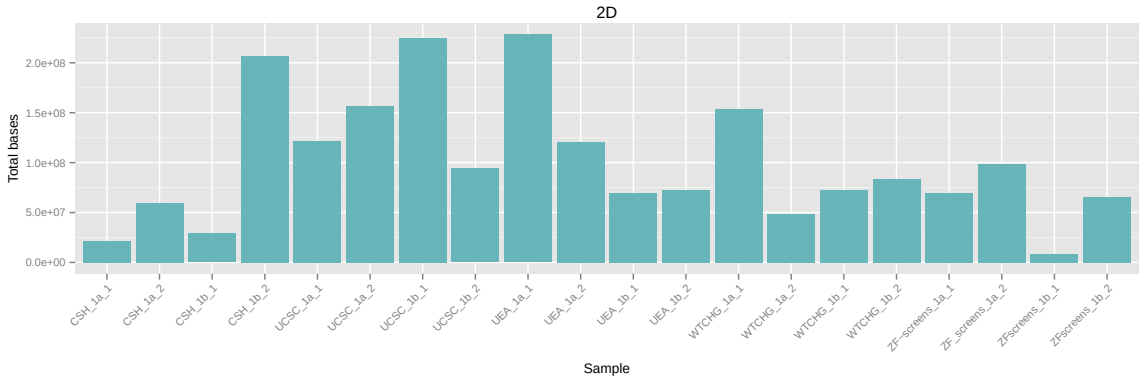
## Read lengths



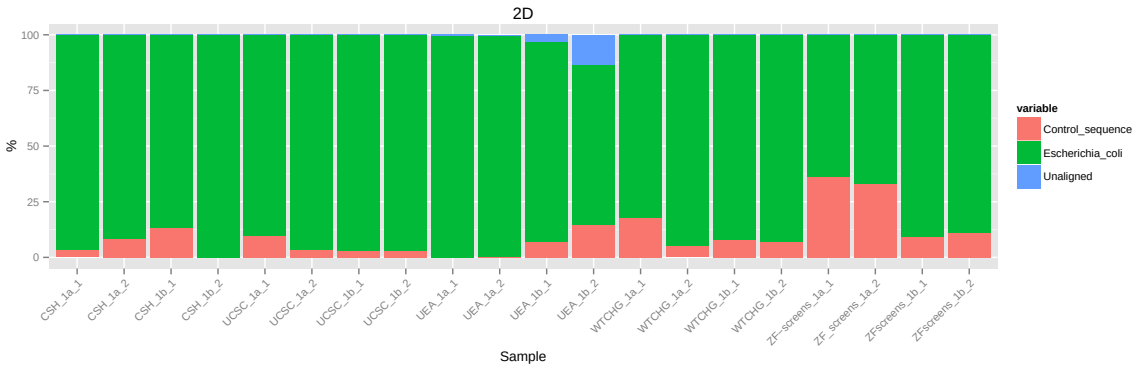

## Number of reads



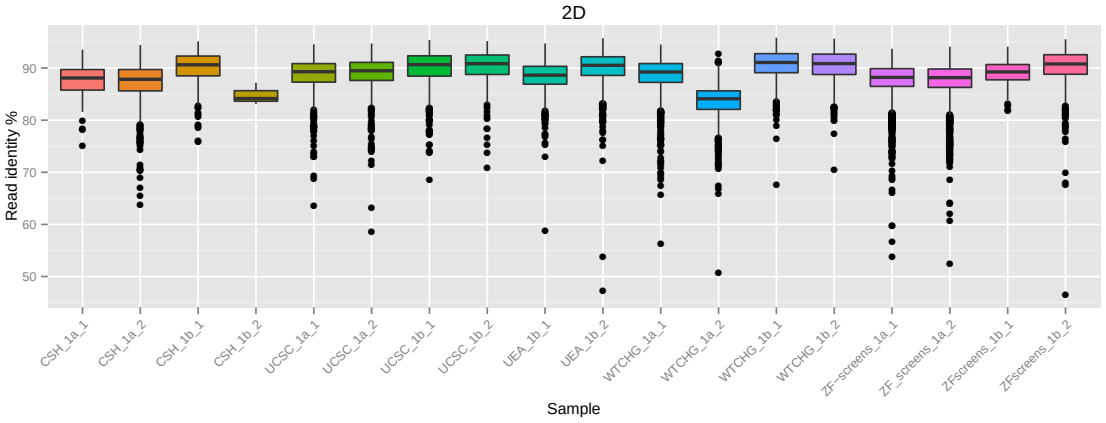

## Total bases

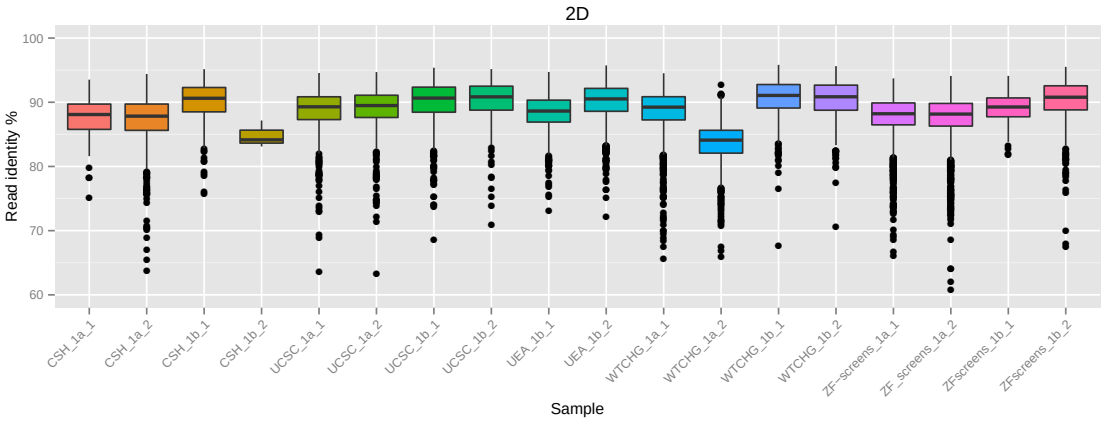


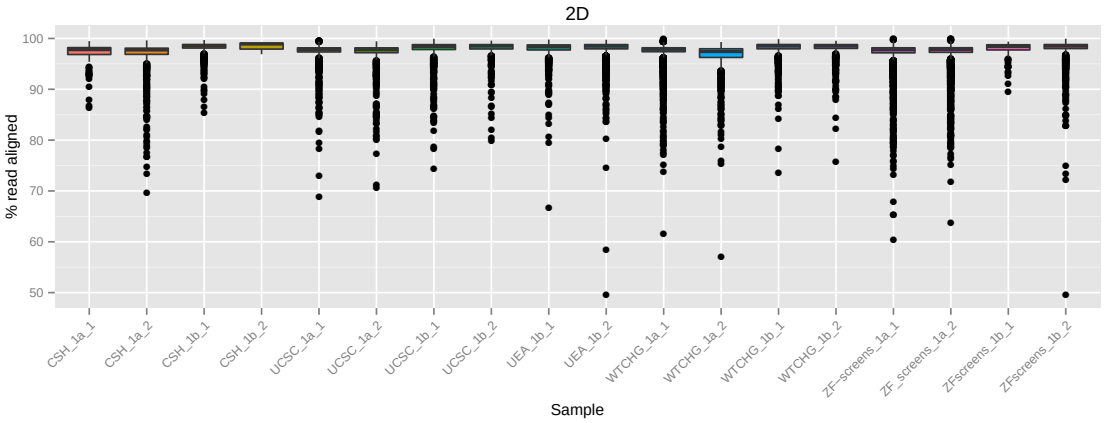

## Alignment summary

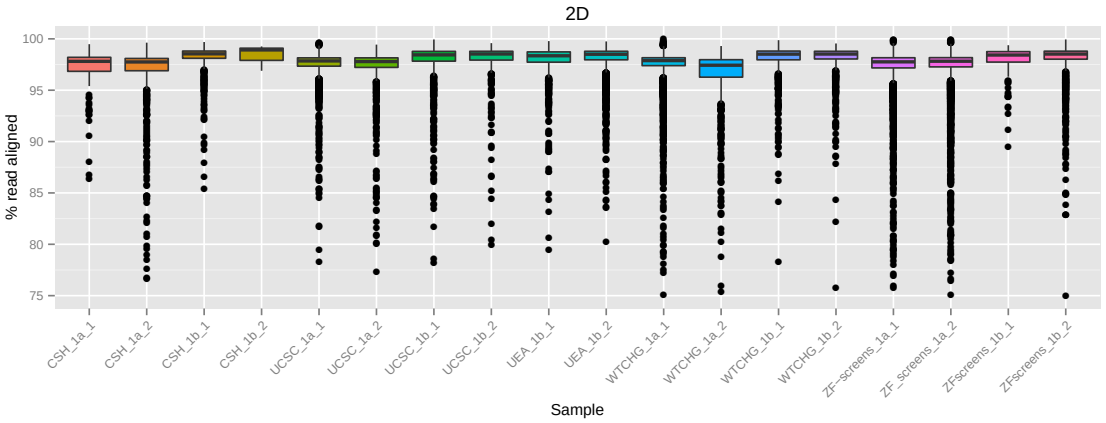


## Control sequence identity

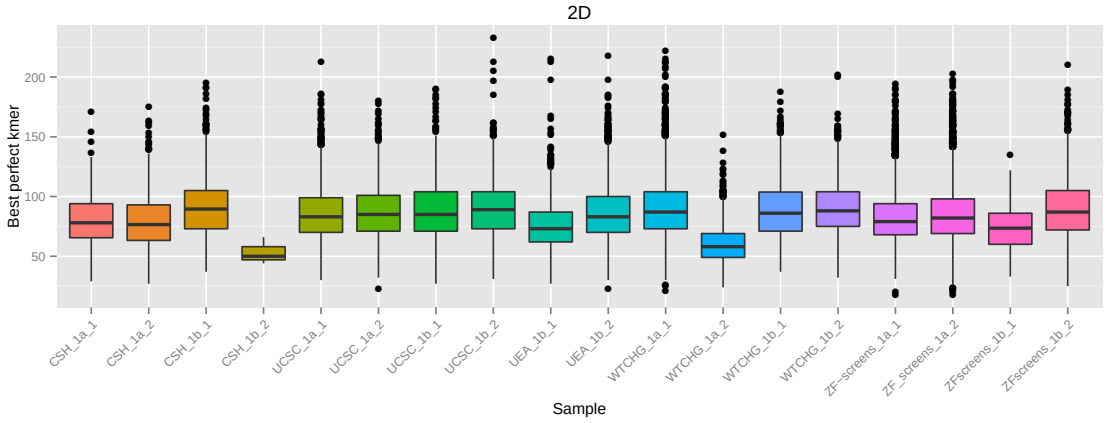


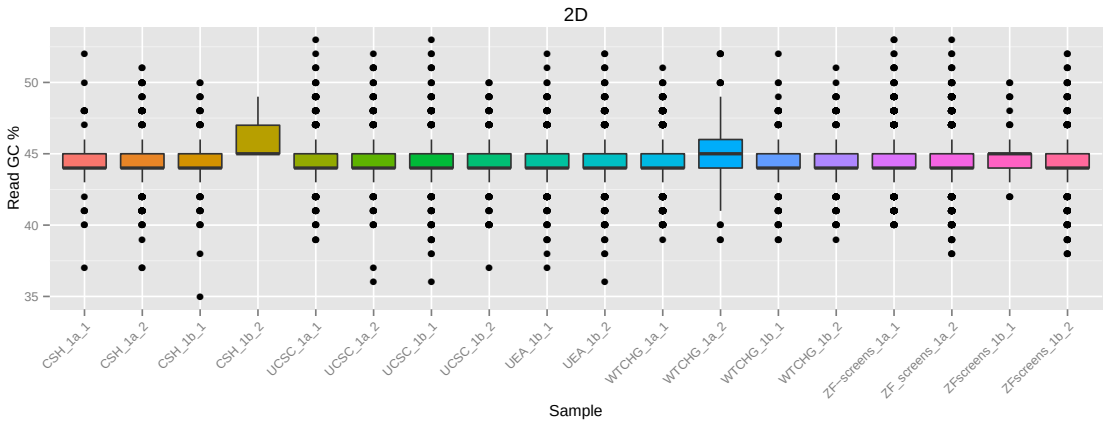



## Control sequence best perfect kmer




## Control sequence GC



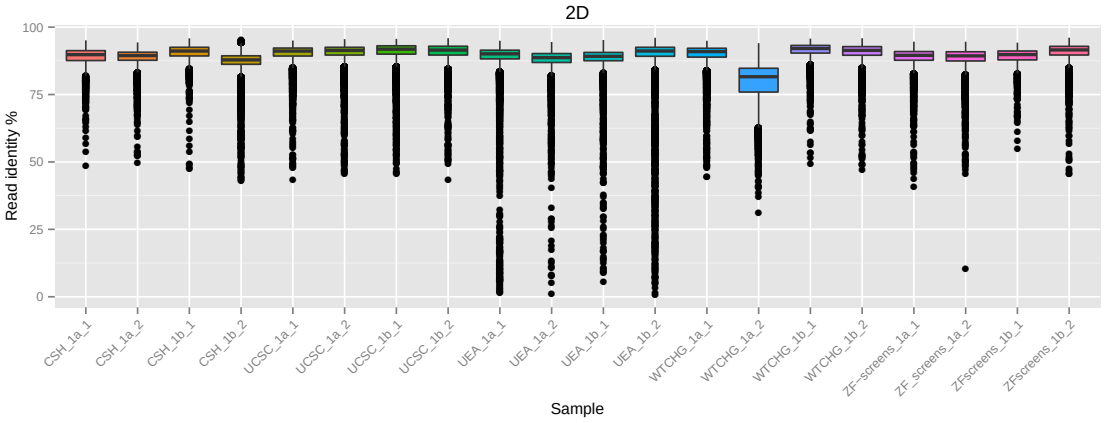

## Control sequence 2D Over-represented 5-mers

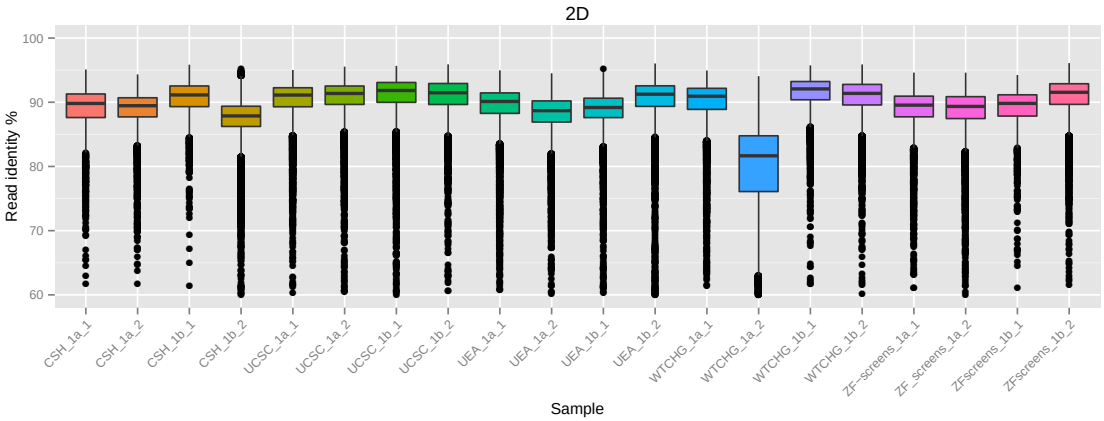
| Sample | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CSH_1a_1 | TCAGC | ATCAG | CATCA | AACCA | CATCT | GCATC | CAGCA | TCACA | ACCAA | ACATA |
| CSH_1a_2 | TCAGC | ATCAG | AACCA | CATCA | CAGCA | CATCT | GCATC | CGTTC | ACCAA | ACATA |
| UCSC_1a_1 | TCAGC | ATCAG | CATCA | GCATC | AACCA | CAGCA | CATCT | ACCAA | TCACA | TACAT |
| UCSC_1a_2 | TCAGC | ATCAG | CATCA | AACCA | GCATC | CAGCA | CATCT | TCACA | TACAT | ACCAA |
| UEA_1a_1 | GTACA | GTACT | ACCGG | ACAAG | ACACC | TTATA | GTAGG | GTGGG | GCTTG | GCGAG |
| UEA_1a_2 | GTACA | GTACT | ACCGG | ACAAG | ACACC | TTATA | GTAGG | GTGGG | GCTTG | GCGAG |
| WTCHG_1a_1 | TCAGC | ATCAG | CATCA | AACCA | CAGCA | GCATC | CATCT | TCACA | ACCAA | ACATA |
| WTCHG_1a_2 | TCAGC | CAGCA | ATCAG | AACCA | CATCA | CATCT | ACCAA | ACATA | GACGA | GCATC |
| ZF-screens_1a_1 | TCAGC | ATCAG | CATCA | AACCA | CAGCA | GCATC | CATCT | ACCAA | TCACA | TACAT |
| ZF_screens_1a_2 | TCAGC | ATCAG | CATCA | AACCA | GCATC | CAGCA | CATCT | ACCAA | TCACA | ACATA |
| CSH_1b_1 | CATCA | TCAGC | ATCAG | AACCA | GCATC | CATCT | CAGCA | ACCAA | TCACA | TACAT |
| CSH_1b_2 | TTGCT | TACAT | TCTAC | GTGTG | CCGCG | AGAAG | CAACA | TCTAG | ACACT | AGGTC |
| UCSC_1b_1 | TCAGC | CATCA | ATCAG | AACCA | GCATC | CAGCA | CATCT | ACCAA | TCACA | TACAT |
| UCSC_1b_2 | TCAGC | CATCA | ATCAG | AACCA | CATCT | GCATC | CAGCA | ACCAA | TCACA | TACAT |
| UEA_1b_1 | TCAGC | CATCA | ATCAG | AACCA | CATCT | GCATC | ACCAA | CAGCA | TACAT | ACATA |
| UEA_1b_2 | TCAGC | CATCA | ATCAG | AACCA | GCATC | CATCT | CAGCA | ACCAA | TCACA | TACAT |
| WTCHG_1b_1 | TCAGC | CATCA | ATCAG | AACCA | GCATC | CAGCA | CATCT | TACAT | ACCAA | TCACA |
| WTCHG_1b_2 | CATCA | TCAGC | ATCAG | AACCA | GCATC | CATCT | CAGCA | ACCAA | TCACA | TACAT |
| ZFscreens_1b_1 | CATCA | TCAGC | ATCAG | GCATC | AACCA | CATCT | CAGCA | TACAT | ACCAA | ACATA |
| ZFscreens_1b_2 | TCAGC | CATCA | ATCAG | AACCA | GCATC | CATCT | CAGCA | ACCAA | TCACA | ACATA |

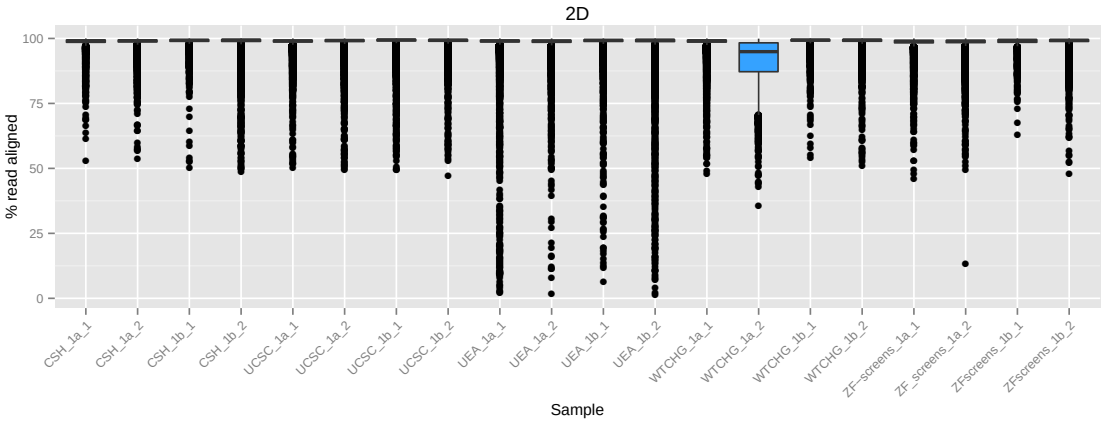
## Control sequence 2D Under-represented 5-mers

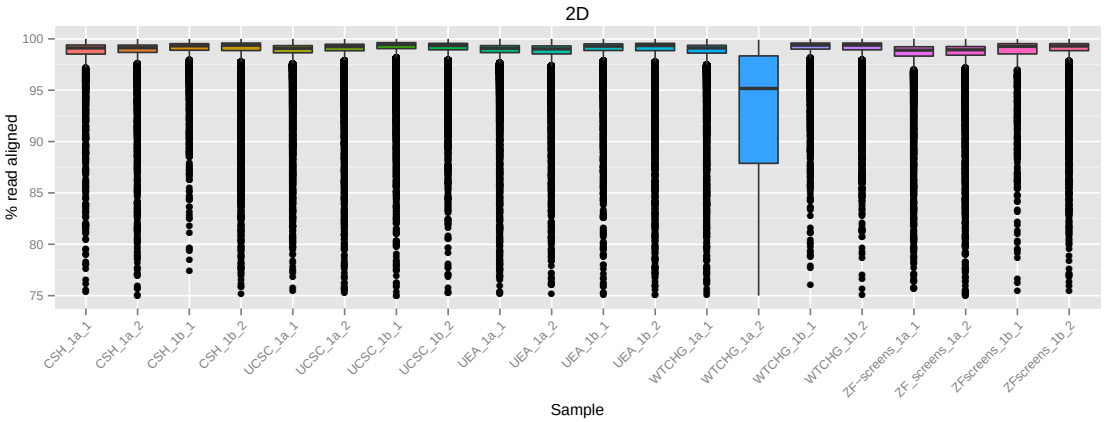
| Sample | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CSH_1a_1 | TTTTT | AAAAA | TGATG | GATGT | CTGAT | GCTGA | CTTTT | TGTGA | ATGTA | AAAAC |
| CSH_1a_2 | TTTTT | AAAAA | TGATG | GATGT | CTGAT | GCTGA | AAAAC | CTTTT | GATGC | TGTGA |
| UCSC_1a_1 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | AAAAC | CTTTT | GCTGA | TGTGA | TTATC |
| UCSC_1a_2 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | CTTTT | GCTGA | AAAAC | TGTGA | TTATC |
| UEA_1a_1 | TTTTT | AAAAA | TGATG | AAAAC | AATAT | CTGAT | TGATT | GATGT | ATTAT | GCAAT |
| UEA_1a_2 | TTTTT | AAAAA | TGATG | AAAAC | AATAT | CTGAT | TGATT | GATGT | ATTAT | GCAAT |
| WTCHG_1a_1 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | CTTTT | AAAAC | TGTGA | GATGC |
| WTCHG_1a_2 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | AAAAC | GCTGA | CTTTT | GCAAT | TTATC |
| ZF-screens_1a_1 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | CTTTT | AAAAC | TGTGA | TTATC |
| ZF_screens_1a_2 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | AAAAC | CTTTT | TGTGA | TTATC |
| CSH_1b_1 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | TTATC | GATGC | TGTGA | CTTTT |
| CSH_1b_2 | TTTTT | AAAAA | TGATG | GATGT | AAAAC | AATAT | CTGAT | ACACG | GATTT | AAAAT |
| UCSC_1b_1 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | CTTTT | TGTGA | GATGC | TTATC |
| UCSC_1b_2 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | GATGC | CTTTT | TGTGA | TTATC |
| UEA_1b_1 | TTTTT | AAAAA | TGATG | GATGT | CTGAT | GCTGA | CTTTT | AAAAC | TGTGA | TTATC |
| UEA_1b_2 | TTTTT | AAAAA | TGATG | GATGT | CTGAT | GCTGA | CTTTT | TGTGA | AAAAC | TTATC |
| WTCHG_1b_1 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | CTTTT | TGTGA | AAAAC | TTATC |
| WTCHG_1b_2 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | CTTTT | GATGC | TTATC | TGTGA |
| ZFscreens_1b_1 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | AAAAC | TTATC | TGGTT | CTTTT |
| ZFscreens_1b_2 | TTTTT | AAAAA | TGATG | CTGAT | GATGT | GCTGA | CTTTT | TGTGA | TTATC | TGGTT |

## Escherichia coli identity

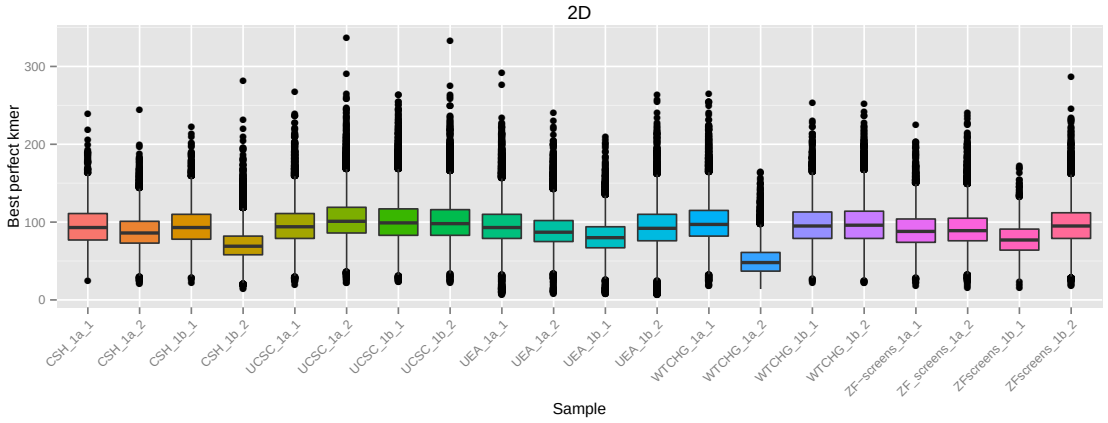


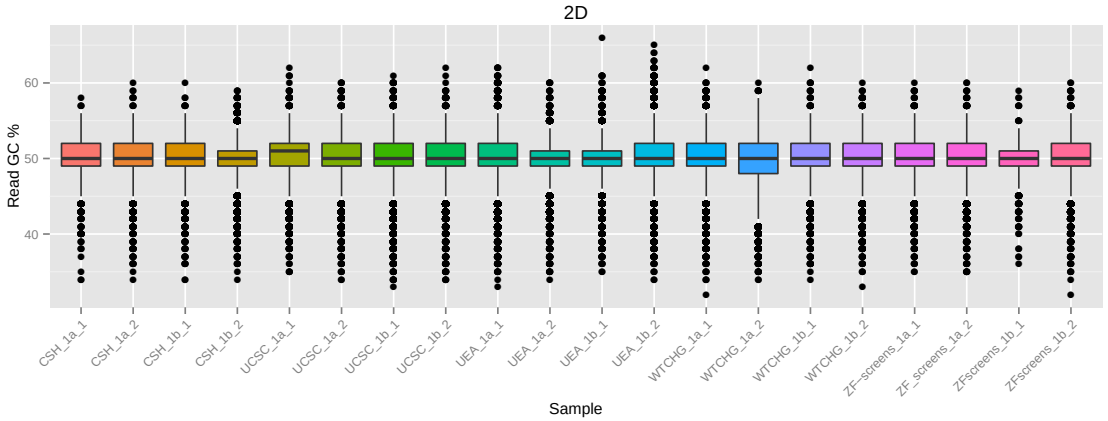



## Escherichia coli best perfect kmer




## Escherichia coli GC




## Escherichia coli 2D Over-represented 5-mers

| Sample | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CSH_1a_1 | CAAAT | GGATT | TCCGT | ACCGT | GGGGT | CGGGG | GATTC | GAATT | GAATC | CGTGA |
| CSH_1a_2 | CAAAT | CGTTC | TTCGT | GGGGT | ACCGT | GGGTC | CTCGT | TCCGT | CGTGA | GAATC |
| UCSC_1a_1 | CAAAT | ACCGT | TCCGT | GAATC | GAAGG | CGTGA | CCCAA | TGAAT | GGATT | GAAGC |
| UCSC_1a_2 | CAAAT | GGGTC | GGGGT | CCCAA | ACCGT | CGTGA | CTCGT | TGAAT | CGGGG | GAATC |
| UEA_1a_1 | CAAAT | ACCGT | TCCGT | GGGGT | CGTGA | GAATC | GGATT | GGGTC | GATTC | CCGTT |
| UEA_1a_2 | CAAAT | ACCGT | TCCGT | GATTC | CGTGA | CGTTC | TTCGT | GAATC | TGAAT | GGGTC |
| WTCHG_1a_1 | CAAAT | TCCGT | ACCGT | GAATC | GATTC | GGGGT | CGTGA | CCCAA | CGGGG | CGTTC |
| WTCHG_1a_2 | CAAAT | GGGGT | CTCGT | CGGGG | CTTGG | GCCCC | CCCAA | TCTAG | TTCGT | TTGGG |
| ZF-screens_1a_1 | CAAAT | ACCGT | TCCGT | GAATC | TGAAT | GATTC | GAAGG | GGATT | GGGGT | TTGGA |
| ZF_screens_1a_2 | CAAAT | ACCGT | TCCGT | GAAGG | GAATC | GATTC | GGGGT | GGATT | CCGTT | TGAAT |
| CSH_1b_1 | CAAAT | GGGGT | CCCAA | ACCGT | GGGTC | CTCGT | CGGGG | TGAAT | TCCCA | GAAGG |
| CSH_1b_2 | CAAAT | CTCGT | GGGGT | CCCAA | CGGGG | TCTAG | GGTAC | GCCCC | TCGTA | CTAGA |
| UCSC_1b_1 | CAAAT | GGGGT | CCCAA | CGGGG | GGGTC | GAAGG | CTCGT | CGTGA | ACCGT | TCCCA |
| UCSC_1b_2 | CAAAT | GGGGT | CCCAA | CGGGG | GGGTC | CTCGT | GAAGG | CGTGA | ACCGT | TCCCA |
| UEA_1b_1 | CAAAT | GAAGG | CTCGT | CCCAA | AGGCA | CTAGA | TCTAG | GGGGT | TAGAA | TTAGA |
| UEA_1b_2 | CAAAT | GGGGT | CCCAA | GGGTC | TGAAT | CTCGT | CGGGG | CGTGA | AGGCA | GAAGG |
| WTCHG_1b_1 | CAAAT | GGGGT | CCCAA | GAAGG | AGGCA | CTCGT | GGTAC | GGGTC | CGGGG | GAATC |
| WTCHG_1b_2 | CAAAT | GGGGT | CCCAA | GAAGG | CTCGT | CGGGG | GGGTC | ACCGT | GAATC | TCCCA |
| ZFscreens_1b_1 | CAAAT | GAAGG | CTCGT | GGGGT | CCCAA | AGGCA | GTACC | GGTAC | GTACT | CTAGA |
| ZFscreens_1b_2 | CAAAT | GGGGT | CCCAA | ACCGT | CGGGG | GAAGG | GGGTC | CTCGT | TCCCA | AGGCA |

## Escherichia coli 2D Under-represented 5-mers

| Sample | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| CSH_1a_1 | TTTTT | AAAAA | CGCCA | GCCAG | AAAAT | CGCTG | CAAAA | TGGCG | GCTGG | CCAGC |
| CSH_1a_2 | TTTTT | AAAAA | CGCCA | GCCAG | TGGCG | AAAAT | CAAAA | GCTGG | CGCTG | CCAGC |
| UCSC_1a_1 | TTTTT | AAAAA | AAAAT | CAAAA | CGCCA | AAAAG | TAAAA | GCCAG | TGGTG | CGCTG |
| UCSC_1a_2 | TTTTT | AAAAA | AAAAT | CAAAA | CGCCA | GCCAG | CGCTG | TAAAA | AAAAG | TGGTG |
| UEA_1a_1 | TTTTT | AAAAA | CGCCA | AAAAT | CAAAA | GCCAG | CGCTG | TGGCG | GCTGG | AAAAG |
| UEA_1a_2 | TTTTT | AAAAA | GCCAG | CGCCA | TGGCG | GCTGG | CGCTG | AAAAT | CAAAA | CTGGC |
| WTCHG_1a_1 | TTTTT | AAAAA | CGCCA | CAAAA | GCCAG | AAAAT | AAAAG | CGCTG | GCTGG | TGGCG |
| WTCHG_1a_2 | TTTTT | AAAAA | CGCCA | TGGCG | GCTGG | GCCAG | CCAGC | CTGGC | AAAAT | CGCTG |
| ZF-screens_1a_1 | TTTTT | AAAAA | CGCCA | GCCAG | CGCTG | CAAAA | AAAAT | GCTGG | TGGTG | TGGCG |
| ZF_screens_1a_2 | TTTTT | AAAAA | CGCCA | AAAAT | CAAAA | GCCAG | CGCTG | GCTGG | TGGCG | TGGTG |
| CSH_1b_1 | TTTTT | AAAAA | CGCCA | AAAAT | CAAAA | CGCTG | TGGTG | GCCAG | GCTGG | TGGCG |
| CSH_1b_2 | TTTTT | AAAAA | CGCCA | TGGCG | GCTGG | GCCAG | AAAAT | TGGTG | CCAGC | CAAAA |
| UCSC_1b_1 | TTTTT | AAAAA | CAAAA | AAAAT | CGCCA | CGCTG | AAAAG | TGGTG | TAAAA | GCCAG |
| UCSC_1b_2 | TTTTT | AAAAA | AAAAT | CAAAA | CGCCA | CGCTG | GCCAG | TGGTG | GCTGG | AAAAG |
| UEA_1b_1 | TTTTT | AAAAA | CGCCA | CAAAA | AAAAT | TGGCG | GCCAG | CGCTG | GCTGG | AAAAG |
| UEA_1b_2 | TTTTT | AAAAA | CGCCA | CAAAA | AAAAT | GCCAG | CGCTG | GCTGG | AAAAG | TGGTG |
| WTCHG_1b_1 | TTTTT | AAAAA | CAAAA | CGCCA | AAAAT | TGGTG | AAAAG | TAAAA | CGCTG | TGGCG |
| WTCHG_1b_2 | TTTTT | AAAAA | CAAAA | AAAAT | CGCCA | TGGTG | CGCTG | TAAAA | GCCAG | AAAAG |
| ZFscreens_1b_1 | TTTTT | AAAAA | AAAAT | CAAAA | TGGTG | CGCCA | TGGCG | GCTGG | CGCTG | AAAAG |
| ZFscreens_1b_2 | TTTTT | AAAAA | CAAAA | CGCCA | AAAAT | CGCTG | TGGTG | AAAAG | GCCAG | GCTGG |