

Qualimap Analysis Results

BAM QC analysis

Generated by Qualimap v.2.2.1

2019/09/27 15:59:57

1. Input data & parameters (inside of regions)

1.1. QualiMap command line

```

qualimap bamqc -bam
/nfs/no_backup/rg/projects/regeneration/pipeline/grape-nf-dm6-
r6.22/work/d8/82edab1adc7236885a8241dceda9bb/H11H00S1_m4_n10_to
Genome.bam -gff
/nfs/users2/rg/projects/references/Annotation/D.melanogaster/dmel_r6.22/m
RNA_ncRNA/ucsc.dmel-all-
r6.22.mRNA.nRNA.190.length.selection.type.no.Overlapping.Sorted.gtf -nw
400 -hm 3

```

1.2. Alignment

| | |
|---------------|---|
| Command line: | <pre> STAR --runThreadN 8 --genomeDir genomeDir --readFilesIn S1_R1.fastq.gz S1_R2.fastq.gz - -readFilesCommand pigz -p8 -dc --limitBAMsortRAM 33285996544 - -outSAMtype BAM SortedByCoordinate -- outSAMattributes NH HI AS NM MD --outSAMunmapped Within -- outSAMattrRGline ID:H11H00S1 PU:H11H00S1 SM:H11H00S1 PL:ILLUMINA CN:CRG -- outFilterType BySJout -- outFilterMultimapNmax 10 -- outFilterMismatchNmax 999 -- outFilterMismatchNoverReadLmax 0.04 --alignIntronMin 20 -- alignIntronMax 1000000 -- alignMatesGapMax 1000000 -- alignSJoverhangMin 8 -- alignSJDBoverhangMin 1 -- quantMode TranscriptomeSAM </pre> |
| | |

| | |
|---------------------------------------|---|
| Draw chromosome limits: | no |
| Analyze overlapping paired-end reads: | no |
| Program: | STAR (STAR_2.4.0j) |
| Analysis date: | Fri Sep 27 15:59:56 CEST 2019 |
| Size of a homopolymer: | 3 |
| Skip duplicate alignments: | no |
| Number of windows: | 400 |
| BAM file: | /nfs/no_backup/rg/projects/regenerati on/pipeline/grape-nf-dm6- r6.22/work/d8/82edab1adc7236885a 8241dceda9bb/H11H00S1_m4_n10_ toGenome.bam |

1.3. GFF region

| | |
|---------------------|--|
| Library protocol: | non-strand-specific |
| Outside statistics: | no |
| GFF file: | /nfs/users2/rg/projects/references/An notation/D.melanogaster/dmel_r6.22/ mRNA_ncRNA/ucsc.dmel-all- r6.22.mRNA.nRNA.190.length.selecti on.type.no.Overlapping.Sorted.gtf |

2. Summary (inside of regions)

2.1. Globals

| | |
|------------------------------|---------------------|
| Reference size | 143,726,002 |
| Number of reads | 42,438,888 |
| Mapped reads | 38,687,936 / 91.16% |
| Unmapped reads | 3,750,952 / 8.84% |
| Mapped paired reads | 38,687,936 / 91.16% |
| Mapped reads, first in pair | 19,343,968 / 45.58% |
| Mapped reads, second in pair | 19,343,968 / 45.58% |
| Mapped reads, both in pair | 38,687,936 / 91.16% |
| Mapped reads, singletons | 0 / 0% |
| Read min/max/mean length | 76 / 76 / 76 |
| Clipped reads | 3,230,440 / 7.61% |

2.2. Globals (inside of regions)

| | |
|--------------------------------------|---------------------|
| Regions size/percentage of reference | 93,645,580 / 65.16% |
| Mapped reads | 33,355,055 / 78.6% |
| Mapped reads, only first in pair | 16,677,618 / 39.3% |
| Mapped reads, only second in pair | 16,677,437 / 39.3% |
| Mapped reads, both in pair | 33,355,055 / 78.6% |
| Mapped reads, singletons | 0 / 0% |
| Correct strand reads | 0 / 0% |
| Clipped reads | 3,230,440 / 7.61% |
| Duplicated reads (estimated) | 25,918,147 / 77.7% |
| | |

| | |
|------------------|--------|
| Duplication rate | 47.48% |
|------------------|--------|

2.3. ACGT Content (inside of regions)

| | |
|--------------------------|-------------------------|
| Number/percentage of A's | 599,814,014 / 23.81% |
| Number/percentage of C's | 655,014,462 / 26% |
| Number/percentage of T's | 612,249,119 / 24.3% |
| Number/percentage of G's | 652,507,466 / 25.9% |
| Number/percentage of N's | 3,096,900,936 / 122.91% |
| GC Percentage | 51.89% |

2.4. Coverage (inside of regions)

| | |
|--------------------|----------|
| Mean | 59.98 |
| Standard Deviation | 500.2493 |

2.5. Mapping Quality (inside of regions)

| | |
|----------------------|--------|
| Mean Mapping Quality | 242.88 |
|----------------------|--------|

2.6. Insert size (inside of regions)

| | |
|--------------------|-----------------|
| Mean | 460.18 |
| Standard Deviation | 6,602.29 |
| P25/Median/P75 | 139 / 178 / 252 |

2.7. Mismatches and indels (inside of regions)

| | |
|--------------------|------------|
| General error rate | 0.2% |
| Mismatches | 10,888,980 |
| Insertions | 230,977 |
| | |

| | |
|--|---------|
| Mapped reads with at least one insertion | 0.59% |
| Deletions | 160,071 |
| Mapped reads with at least one deletion | 0.41% |
| Homopolymer indels | 64.73% |

2.8. Chromosome stats (inside of regions)

| Name | Length | Mapped bases | Mean coverage | Standard deviation |
|------------------|----------|--------------|---------------|--------------------|
| chr2L | 15854837 | 973055006 | 61.3728 | 448.228 |
| chr2R | 16880511 | 1370023132 | 81.1601 | 847.991 |
| chr3L | 18005806 | 1033311692 | 57.3877 | 361.118 |
| chr3R | 23285070 | 1172807680 | 50.3674 | 334.9378 |
| chr4 | 1040043 | 86252611 | 82.9318 | 334.5661 |
| chrM | 11009 | 67745891 | 6,153.6825 | 7,047.3513 |
| chrUn_DS485919v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483755v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485425v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484861v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484484v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483705v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 490v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 998v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 873v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 608v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 270v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 979v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 398v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 139v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 906v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 760v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 191v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 340v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 489v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 495v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 923v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 663v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 390v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 130v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 995v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 448v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 827v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 467v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 433v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 944v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 504v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 938v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 984v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 921v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 859v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 086v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 058v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 294v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 855v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 356v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 246v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 386v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 726v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 366v1 | 0 | 0 | 0 | 0 |
| chrUn_DS486 002v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 770v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 354v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 728v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 403v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 964v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 921v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 181v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 602v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 783v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 547v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 280v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 976v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 972v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 407v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 446v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 906v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 769v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 527v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 933v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 748v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 460v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 711v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 039v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 339v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 457v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 643v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 689v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 822v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 678v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 150v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 746v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 957v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 541v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 741v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 490v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 881v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 539v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 958v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 748v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 822v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 421v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 296v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 337v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 700v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 511v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 973v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 719v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 571v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 733v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 102v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 052v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 073v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 257v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 376v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 485v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 572v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 816v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 925v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 239v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 853v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 443v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 381v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 339v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 707v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 675v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 065v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 546v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 846v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 667v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 756v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 558v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 703v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 977v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 341v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 226v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 505v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 451v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 736v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 304v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 024v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 808v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 578v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 029v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 634v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 877v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 723v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 038v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 788v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 496v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 841v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 123v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 261v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 673v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 879v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 716v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 907v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 100v1 | 0 | 0 | 0 | 0 |
| chrUn_DS486 008v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 747v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 891v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 329v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 653v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 692v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 387v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 938v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 073v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 957v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 050v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 694v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 407v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 357v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 122v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 548v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 254v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 988v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 205v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 793v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 496v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 904v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 707v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 365v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 789v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 842v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 180v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 333v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 954v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 202v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 825v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 285v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 223v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 313v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 567v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 040v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 475v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 168v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 711v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 475v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 532v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 751v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 229v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 870v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 787v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 277v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 304v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 794v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 226v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 470v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 303v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 506v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 522v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 505v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 854v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 342v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 739v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 452v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 720v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 722v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 522v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 781v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 542v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 821v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 350v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 623v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 989v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 743v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 872v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 190v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 240v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 844v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 695v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 798v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 096v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 799v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 843v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 659v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 864v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 825v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 229v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 773v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 659v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 993v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 896v1 | 0 | 0 | 0 | 0 |
| chrUn_DS486 005v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 047v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 069v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 138v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 929v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 886v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 493v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 661v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 866v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 772v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 727v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 838v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 701v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 936v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 581v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 019v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 940v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 810v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 982v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 165v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 404v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 736v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 654v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 415v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 275v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 255v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 383v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 331v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 901v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 884v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 515v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 883v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 703v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 311v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 897v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 933v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 740v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 290v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 481v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 349v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 454v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 808v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 976v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 311v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 089v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 985v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 753v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 776v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 864v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 132v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 209v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 693v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 210v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 764v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 999v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 232v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 262v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 076v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 437v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 515v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 199v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 462v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 501v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 710v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 153v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 920v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 163v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 940v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 650v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 849v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 972v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 242v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 056v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 683v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 682v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 478v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 325v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 054v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 771v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 477v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 170v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 922v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 160v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 812v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 438v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 102v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 082v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 743v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 282v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 664v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 369v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 585v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 948v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 728v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 313v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 395v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 443v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 650v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 498v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 668v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 751v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 077v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 900v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 545v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 076v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 394v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 064v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 549v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 738v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 985v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 324v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 904v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 979v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 353v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 688v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 987v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 680v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 686v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 456v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 488v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 479v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 154v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 845v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 251v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 442v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 559v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 062v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 333v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 207v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 322v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 309v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 100v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 526v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 914v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 362v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 760v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 893v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 846v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 249v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 102v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 380v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 466v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 805v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 000v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 243v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 871v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 436v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 713v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 863v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 905v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 055v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 712v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 152v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 472v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 678v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 709v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 026v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 508v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 842v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 826v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 578v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 766v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 654v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 058v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 828v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 301v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 740v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 606v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 220v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 355v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 682v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 563v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 059v1 | 0 | 0 | 0 | 0 |
| chrUn_DS486 004v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 173v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 759v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 111v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 674v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 895v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 577v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 400v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 721v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 529v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 445v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 991v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 642v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 868v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 607v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 876v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 867v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 509v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 241v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 605v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 331v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 106v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 368v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 276v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 005v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 469v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 566v2 | 0 | 0 | 0 | 0 |
| chrUn_DS483 855v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 662v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 260v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 469v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 601v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 681v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 916v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 385v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 557v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 997v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 960v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 726v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 456v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 246v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 887v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 396v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 902v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 629v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 310v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 117v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 468v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 263v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 224v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 156v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 501v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 991v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 964v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 361v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 593v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 681v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 982v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 136v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 738v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 783v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 411v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 729v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 622v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 796v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 671v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 684v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 148v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 188v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 566v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 646v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 588v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 498v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 820v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 048v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 079v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 420v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 772v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 281v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 059v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 969v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 027v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 133v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 192v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 693v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 228v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 239v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 595v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 274v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 917v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 320v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 480v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 579v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 980v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 531v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 806v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 782v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 639v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 494v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 238v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 965v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 514v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 092v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 518v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 453v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 542v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 970v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 632v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 401v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 193v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 487v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 087v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 517v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 742v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 919v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 748v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 312v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 679v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 797v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 803v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 315v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 912v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 027v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 122v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 847v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 941v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 734v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 510v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 028v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 561v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 802v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 118v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 915v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 933v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 371v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 437v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 155v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 298v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 007v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 899v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 544v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 841v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 614v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 651v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 968v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 962v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 840v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 739v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 903v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 983v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 984v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 582v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 880v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 273v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 583v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 309v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 428v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 967v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 910v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 550v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 666v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 944v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 894v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 908v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 244v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 632v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 291v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 472v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 045v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 792v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 986v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 823v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 848v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 886v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 025v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 856v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 543v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 520v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 725v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 264v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 497v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 996v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 025v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 118v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 220v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 569v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 919v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 149v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 127v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 439v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 673v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 929v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 441v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 701v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 796v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 218v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 712v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 979v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 087v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 889v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 291v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 053v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 093v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 850v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 243v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 215v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 370v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 825v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 658v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 820v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 851v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 688v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 233v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 853v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 847v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 818v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 383v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 435v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 565v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 379v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 403v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 930v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 370v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 203v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 635v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 231v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 392v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 098v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 678v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 521v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 251v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 675v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 775v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 838v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 263v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 804v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 571v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 236v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 954v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 467v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 148v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 817v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 741v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 911v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 157v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 852v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 636v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 588v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 769v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 779v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 326v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 642v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 184v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 228v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 663v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 804v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 169v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 491v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 657v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 520v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 780v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 253v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 591v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 673v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 528v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 656v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 659v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 011v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 737v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 160v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 208v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 717v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 882v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 686v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 876v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 831v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 205v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 434v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 003v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 948v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 340v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 965v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 068v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 533v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 774v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 292v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 156v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 709v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 947v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 544v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 524v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 275v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 527v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 619v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 801v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 307v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 687v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 463v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 939v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 146v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 174v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 194v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 283v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 500v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 183v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 499v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 338v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 036v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 553v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 587v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 265v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 425v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 802v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 538v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 872v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 319v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 752v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 630v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 915v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 161v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 482v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 943v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 722v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 010v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 952v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 869v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 749v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 799v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 998v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 041v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 841v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 031v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 254v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 279v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 503v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 658v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 397v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 004v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 046v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 382v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 728v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 125v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 200v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 471v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 750v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 946v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 874v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 258v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 833v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 944v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 714v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 920v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 464v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 614v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 153v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 461v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 828v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 834v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 913v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 670v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 427v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 247v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 083v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 530v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 020v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 827v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 047v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 149v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 287v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 655v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 757v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 062v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 932v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 348v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 686v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 253v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 953v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 812v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 449v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 032v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 438v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 923v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 314v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 306v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 975v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 770v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 204v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 502v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 667v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 679v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 080v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 712v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 742v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 939v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 535v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 258v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 285v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 509v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 211v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 867v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 066v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 630v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 271v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 117v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 042v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 746v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 932v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 177v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 540v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 815v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 989v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 767v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 621v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 782v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 774v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 862v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 513v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 878v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 737v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 689v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 671v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 255v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 481v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 528v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 797v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 874v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 286v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 177v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 816v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 584v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 574v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 022v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 750v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 815v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 389v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 656v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 567v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 692v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 858v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 458v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 628v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 961v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 966v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 147v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 378v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 754v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 017v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 918v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 314v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 692v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 300v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 953v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 138v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 593v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 342v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 557v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 685v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 607v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 189v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 610v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 151v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 267v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 020v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 525v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 429v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 088v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 190v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 565v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 870v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 022v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 836v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 105v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 889v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 109v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 882v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 824v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 426v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 083v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 851v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 945v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 534v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 901v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 789v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 904v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 264v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 086v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 089v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 792v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 085v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 773v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 837v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 648v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 105v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 694v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 389v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 343v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 702v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 640v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 868v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 806v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 434v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 888v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 693v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 627v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 245v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 595v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 064v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 176v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 252v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 670v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 152v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 078v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 814v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 206v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 071v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 070v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 584v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 886v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 773v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 004v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 393v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 192v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 891v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 217v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 055v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 015v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 848v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 221v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 227v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 579v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 400v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 154v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 956v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 854v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 410v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 718v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 412v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 424v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 213v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 157v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 940v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 221v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 746v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 466v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 306v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 807v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 591v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 486v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 030v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 395v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 216v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 964v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 750v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 661v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 621v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 927v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 330v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 988v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 832v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 159v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 041v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 421v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 091v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 878v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 140v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 419v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 887v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 301v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 002v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 491v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 589v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 284v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 525v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 734v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 212v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 866v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 107v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 930v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 321v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 134v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 044v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 066v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 151v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 242v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 602v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 762v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 408v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 067v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 297v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 700v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 116v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 335v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 169v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 448v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 822v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 792v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 768v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 735v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 653v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 662v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 097v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 001v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 609v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 323v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 649v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 079v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 065v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 035v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 897v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 503v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 521v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 104v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 863v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 196v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 318v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 955v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 624v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 729v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 573v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 464v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 994v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 013v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 714v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 649v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 543v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 308v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 155v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 107v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 899v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 162v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 108v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 536v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 198v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 699v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 091v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 144v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 256v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 616v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 862v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 754v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 617v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|------|---|---|---|
| chrUn_DS484 917v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 646v1 | 2142 | 0 | 0 | 0 |
| chrUn_DS485 559v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 120v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 983v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 853v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 780v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 145v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 898v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 926v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 592v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 230v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 870v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 581v1 | 348 | 0 | 0 | 0 |
| chrUn_DS485 724v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 695v2 | 0 | 0 | 0 | 0 |
| chrUn_DS484 123v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 780v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 007v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 230v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 819v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 898v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 762v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 895v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 929v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 038v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 844v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 806v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 812v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 785v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 943v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 753v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 045v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 144v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 925v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 787v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 865v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 090v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 757v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 010v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 247v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 751v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 280v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 167v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 918v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 414v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 134v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 833v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 878v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 053v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 859v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 793v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 774v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 770v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 225v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 947v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 006v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 954v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 982v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 222v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 092v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 647v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 095v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 776v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 209v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 927v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 234v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 992v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 036v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 986v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 031v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 813v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 881v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 296v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 949v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS484 000v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 941v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 985v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 375v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 998v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 068v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 353v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 810v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 018v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 817v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 999v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 724v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 256v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 391v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 539v1 | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 937v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 828v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 113v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 811v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 432v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 832v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 386v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 896v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 294v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 426v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 800v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 763v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 289v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 865v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 839v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 880v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 951v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 781v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 798v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 641v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 861v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 872v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 098v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 292v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 935v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 900v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 601v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 009v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 385v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 259v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS485 182v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 960v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 735v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 224v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 363v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 760v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 652v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 548v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 910v1 | 0 | 0 | 0 | 0 |
| chrUn_DS485 424v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 848v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 176v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 807v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 796v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 754v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_DS483 758v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 846v1 | 0 | 0 | 0 | 0 |
| chrUn_DS484 317v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 744v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 709v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 874v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 629v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 071v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 072v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 073v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 074v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 075v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 076v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 077v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 078v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------|---|---|---|---|
| chrUn_CP007 079v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 082v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 083v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 084v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 085v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 086v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 087v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 088v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 089v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 090v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 091v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 092v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 093v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 094v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 095v1 | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|----------|-----------|--------|----------|
| chrUn_CP007 096v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 080v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 097v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 098v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 099v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 100v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 101v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 081v1 | 32572 | 73730 | 2.2636 | 8.4849 |
| chrUn_CP007 105v1 | 0 | 0 | 0 | 0 |
| chrUn_DS483 562v1 | 0 | 0 | 0 | 0 |
| chrUn_CP007 120v1 | 0 | 0 | 0 | 0 |
| chrX | 17460288 | 913068823 | 52.294 | 344.8938 |
| chrX_DS4847 01v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 68v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 68v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4846 64v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 72v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 77v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 84v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 61v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 84v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 59v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 65v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 22v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 26v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 94v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 35v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 07v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 74v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4856 18v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 67v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 09v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 65v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 85v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 72v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 19v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 50v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 30v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 00v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 12v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 82v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 29v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 29v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4845 18v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 33v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 24v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 15v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 94v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 06v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 19v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 58v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 30v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 68v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 42v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 83v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 28v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 66v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4843 99v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 14v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 12v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 52v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 74v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 76v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 03v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 65v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 47v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 62v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 69v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 33v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 88v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 64v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 26v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4844 50v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 10v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 38v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 02v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 58v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 84v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 51v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 79v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 91v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 47v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 13v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 08v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 13v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 58v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 96v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4852 57v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 47v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 96v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 67v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 88v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4854 76v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 49v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 96v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 81v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 35v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 31v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 72v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 61v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4836 48v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4846 00v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 13v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 04v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 85v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 79v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4854 65v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 76v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 35v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 23v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 01v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 54v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 98v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 23v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 60v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 95v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4843 93v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 11v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 05v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 62v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 28v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 04v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 01v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 11v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 55v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 11v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 04v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 95v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 70v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 61v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 60v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4851 64v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 09v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 41v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 68v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 98v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 01v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 41v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 25v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 26v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 23v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 87v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 67v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 34v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4843 64v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 10v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 40v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 79v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 82v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 50v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 85v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 15v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 37v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 26v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 37v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 09v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 03v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 40v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 60v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4848 10v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 81v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 58v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 63v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 72v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 77v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 91v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 01v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 01v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 73v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 90v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 98v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 06v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 49v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4859 87v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 55v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 87v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 09v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 69v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 48v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 83v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 56v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 33v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 00v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 36v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 71v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 60v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 52v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 15v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4845 70v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 83v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 88v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 78v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 55v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 52v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 35v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 20v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 98v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 82v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 80v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 40v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 37v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 98v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 42v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4857 71v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 44v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 84v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 23v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 57v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 12v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 41v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 86v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 09v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 90v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 90v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 43v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 31v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 68v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4841 14v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 11v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 19v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 99v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 11v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 78v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 63v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 05v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4854 71v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 57v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 05v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 35v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 77v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 78v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4852 62v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4854 78v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 83v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 34v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 12v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 06v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 36v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4836 69v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4836 55v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 59v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 00v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 50v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 60v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 44v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 94v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4846 77v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 77v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 17v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 39v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 80v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 60v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 28v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 75v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 35v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 25v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 82v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 18v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 52v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 99v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 72v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|-----|------|--------|--------|
| chrX_DS4841 37v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 36v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 19v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 57v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 98v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 44v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 23v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 37v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 57v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 99v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 32v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 50v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 95v1_random | 732 | 1364 | 1.8634 | 1.8071 |
| chrX_DS4856 03v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 33v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4845 41v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 85v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 65v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 71v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 90v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 53v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 69v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 62v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 74v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 89v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 03v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 95v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 80v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 51v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4844 33v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 38v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 23v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 79v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 02v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 36v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 62v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 12v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 74v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 78v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 22v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 74v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 35v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 26v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 16v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4836 65v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 67v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 72v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 05v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 71v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 03v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 43v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 46v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 99v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 84v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 67v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4858 57v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 72v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 19v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 25v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4852 68v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 93v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 15v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4854 54v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 30v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 59v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4837 84v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 19v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 62v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 92v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 47v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 88v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 78v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 05v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 63v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4836 85v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 49v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 56v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4854 18v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 25v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 31v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 28v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 43v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 68v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4859 78v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 54v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 55v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 61v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 49v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4849 78v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 02v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 64v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 10v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 81v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 17v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4836 98v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 20v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 60v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 62v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4851 86v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 78v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4852 01v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4853 84v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 07v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 09v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4848 57v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 68v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 03v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 70v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4837 89v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 19v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 24v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4850 44v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 90v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 73v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4850 17v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 88v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4854 59v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4856 51v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 07v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 49v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4847 32v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4849 53v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4836 60v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 15v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 97v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 16v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4852 87v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 82v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4841 87v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4857 56v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 85v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4855 50v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4837 95v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4846 66v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4836 66v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 71v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 07v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 87v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 16v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 03v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 50v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 85v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 28v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4843 26v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4837 45v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 92v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 61v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 30v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 40v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 51v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 93v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 75v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 48v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 81v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 86v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4842 78v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 46v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 33v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrX_DS4839 09v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4844 88v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 74v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 03v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 38v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 46v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 56v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 51v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 26v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 63v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 23v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4841 66v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4843 41v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 99v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 60v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---------|--------|--------|-------|
| chrX_DS4841 32v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 21v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4838 18v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4845 62v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4839 69v1_random | 0 | 0 | 0 | 0 |
| chrX_DS4840 26v1_random | 0 | 0 | 0 | 0 |
| chrX_CP0071 04v1_random | 0 | 0 | 0 | 0 |
| chrX_CP0071 03v1_random | 0 | 0 | 0 | 0 |
| chrY | 1063129 | 516381 | 0.4857 | 9.347 |
| chrY_DS4851 13v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4852 67v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 92v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 94v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4848 05v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4840 21v1_random | 0 | 0 | 0 | 0 |
| | | | | |

| | | | | |
|----------------------------|------|-----|--------|--------|
| chrY_DS4841 84v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 13v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 16v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4841 42v1_random | 1265 | 908 | 0.7178 | 0.9377 |
| chrY_DS4845 30v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 60v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4860 03v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 75v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4842 33v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4842 70v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4858 65v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 43v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4843 51v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4841 46v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4839 59v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|-----|---|---|---|
| chrY_DS4857 95v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4842 59v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4837 78v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 81v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 27v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 86v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4841 64v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 34v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4842 50v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 70v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 23v1_random | 318 | 0 | 0 | 0 |
| chrY_DS4858 73v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 36v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 51v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4839 87v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrY_DS4851 59v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4842 66v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4856 46v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4847 81v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 61v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4840 56v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4851 66v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 27v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4858 94v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 31v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4858 40v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 92v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4858 75v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4844 92v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 83v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrY_DS4852 50v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 88v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4848 18v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 75v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4856 96v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 75v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 65v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4839 66v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 49v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 52v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4841 97v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4851 58v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4847 06v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4845 74v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 37v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|------|---|---|---|
| chrY_DS4857 32v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 74v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 59v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 23v1_random | 1105 | 0 | 0 | 0 |
| chrY_DS4852 36v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 99v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4840 49v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 67v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4840 37v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 75v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 60v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4842 49v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 38v1_random | 435 | 0 | 0 | 0 |
| chrY_DS4853 29v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4845 23v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|------|---|---|---|
| chrY_DS4850 42v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 01v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4848 63v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 43v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 72v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 94v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 28v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4843 36v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4851 78v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 09v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 64v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4841 28v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 39v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 52v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 09v1_random | 1356 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrY_DS4856 41v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 56v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 20v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 02v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 40v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4856 85v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4839 67v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 08v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 45v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 18v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 99v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4858 39v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4845 89v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 48v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 63v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrY_DS4841 03v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 32v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 42v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 83v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 80v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4844 41v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4856 04v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 60v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 74v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4840 63v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 72v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4840 43v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4856 25v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 18v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 63v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|-----|---|---|---|
| chrY_DS4857 76v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4851 37v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 15v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 96v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4837 42v1_random | 654 | 0 | 0 | 0 |
| chrY_DS4837 90v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4841 71v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 97v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4841 81v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 19v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4858 88v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4845 31v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 70v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 73v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 55v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrY_DS4858 92v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 52v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4852 88v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 14v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4847 57v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4848 20v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 22v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4848 76v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4858 58v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4855 12v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4851 43v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4843 90v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 16v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 74v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4844 65v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrY_DS4854 36v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 50v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4848 30v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4839 88v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4848 07v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4859 56v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4852 83v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 35v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4856 98v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4846 41v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4854 30v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4853 16v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4843 77v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4857 86v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4849 24v1_random | 0 | 0 | 0 | 0 |

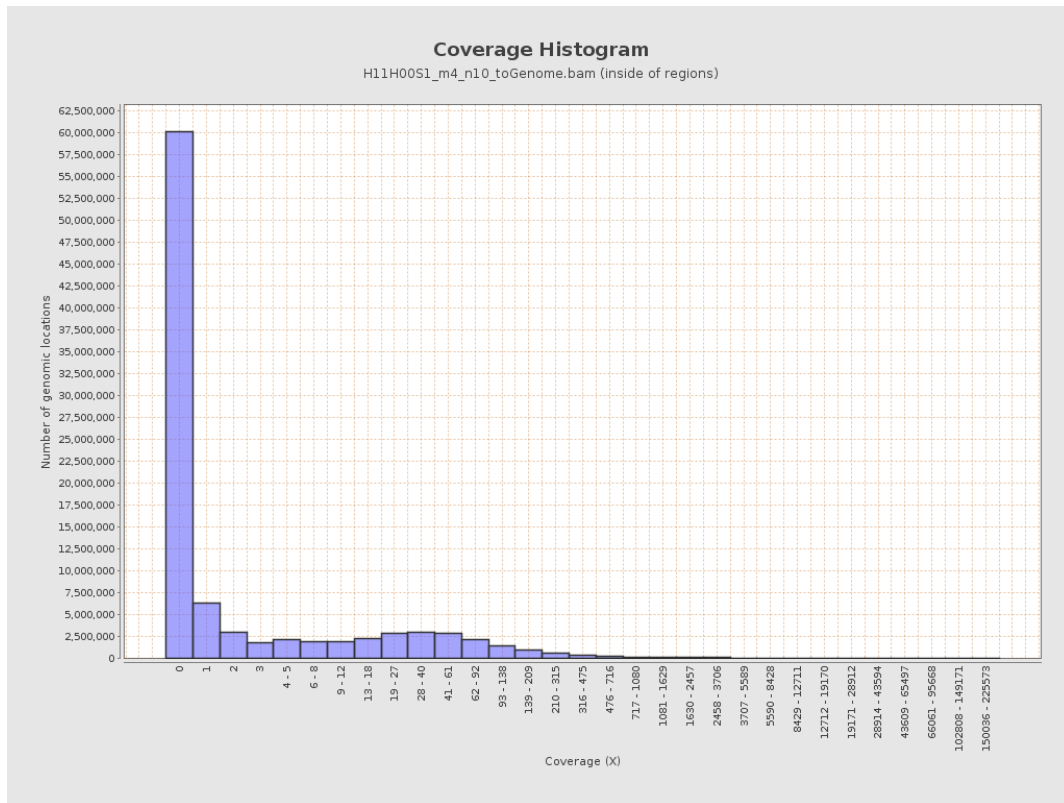
| | | | | |
|----------------------------|------|---|---|---|
| chrY_DS4858 85v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4858 49v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4852 19v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4848 75v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4841 75v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4850 28v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4837 25v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4839 31v1_random | 1190 | 0 | 0 | 0 |
| chrY_DS4839 96v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4838 75v1_random | 2770 | 0 | 0 | 0 |
| chrY_DS4838 89v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4840 29v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4840 94v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4836 77v1_random | 0 | 0 | 0 | 0 |
| chrY_DS4837 88v1_random | 0 | 0 | 0 | 0 |

| | | | | |
|----------------------------|---|---|---|---|
| chrY_DS4836 90v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 09v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 10v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 11v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 12v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 13v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 14v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 15v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 16v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 17v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 18v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 07v1_random | 0 | 0 | 0 | 0 |
| chrY_CP0071 08v1_random | 0 | 0 | 0 | 0 |

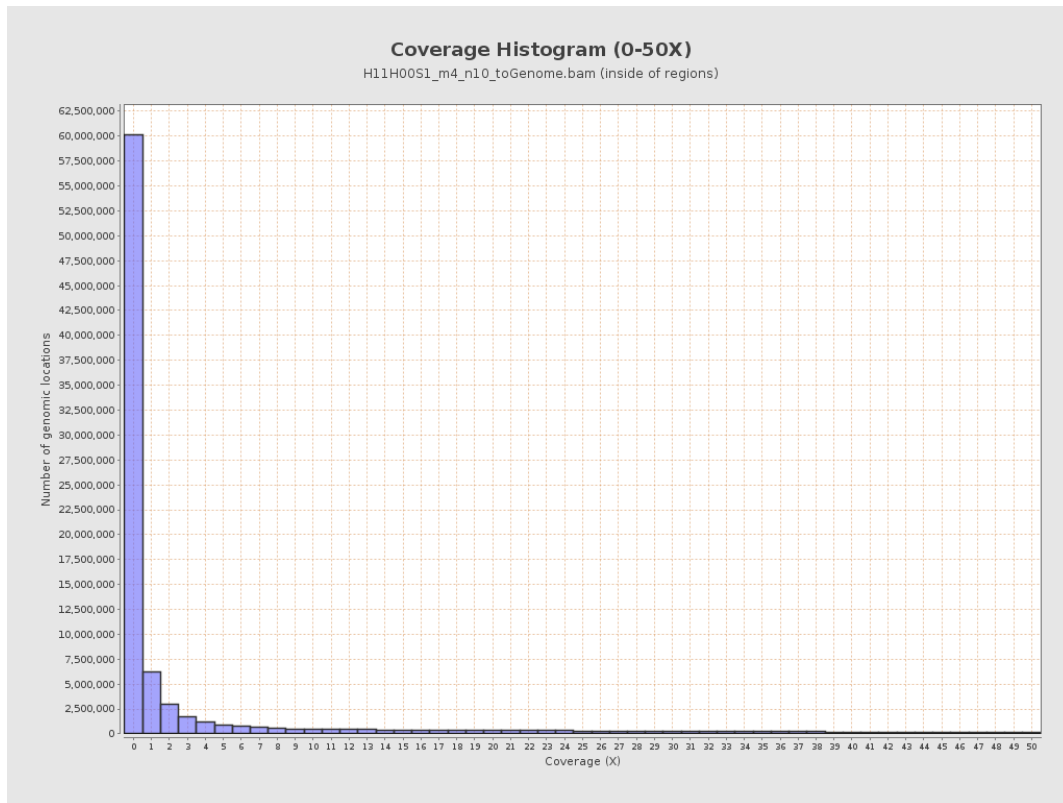
3. Results : Coverage across reference (inside of regions)



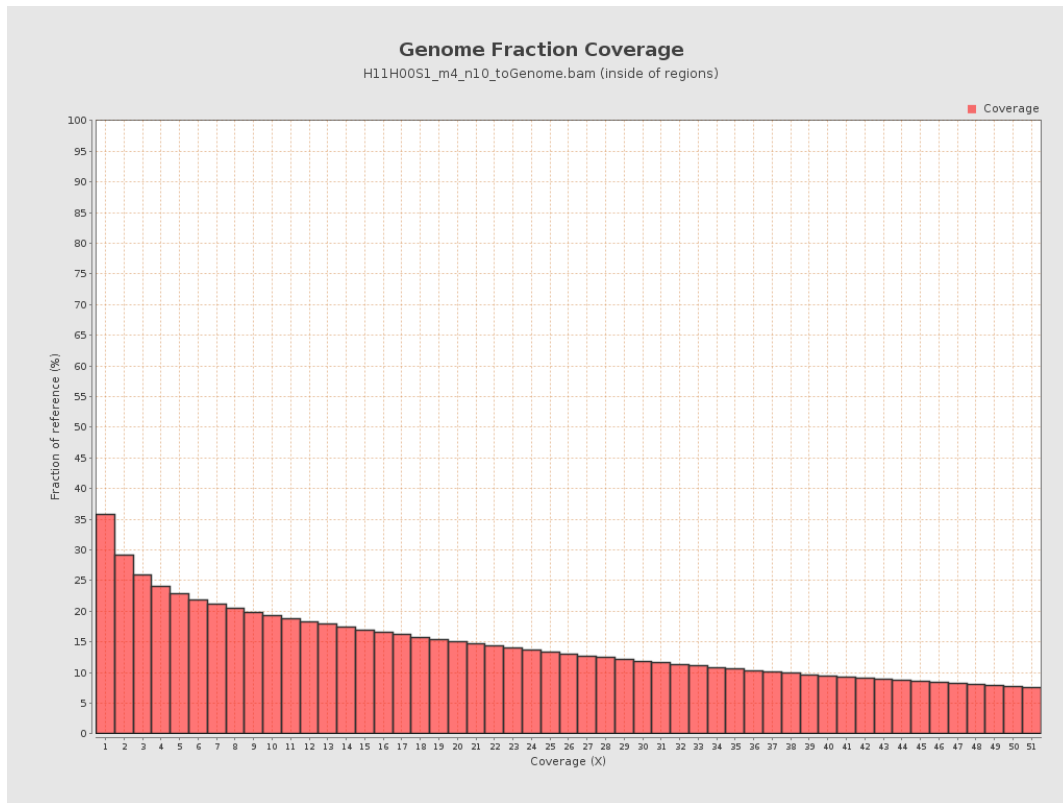
4. Results : Coverage Histogram (inside of regions)



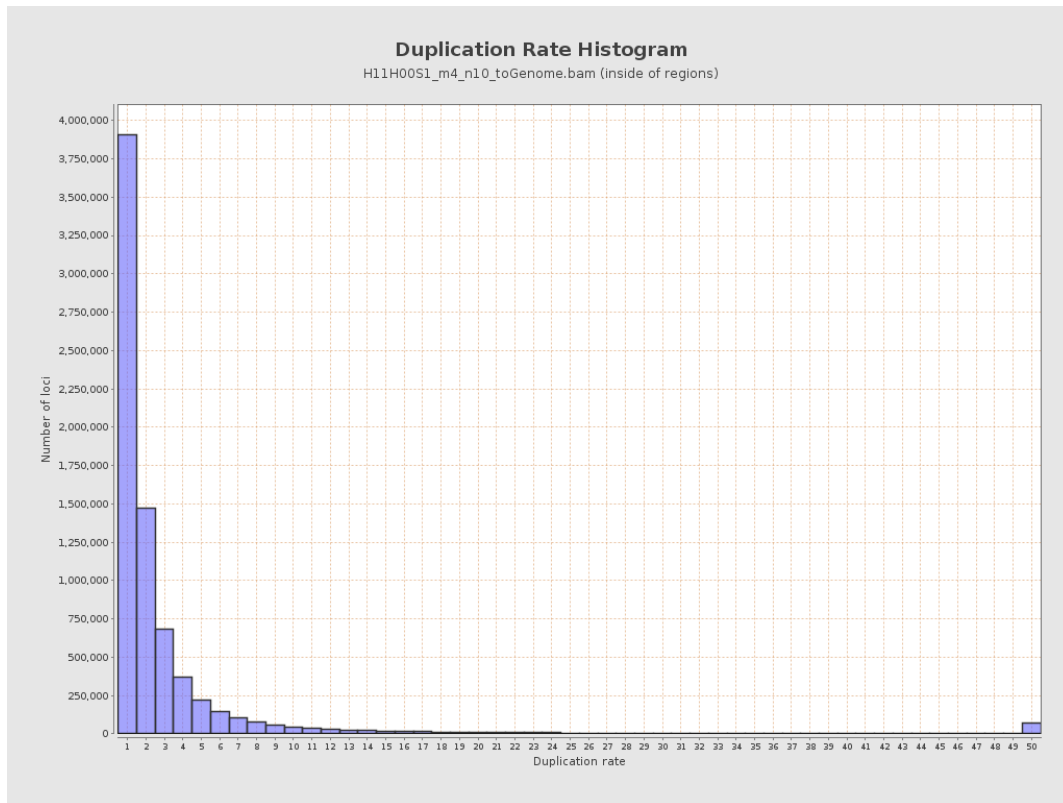
5. Results : Coverage Histogram (0-50X) (inside of regions)



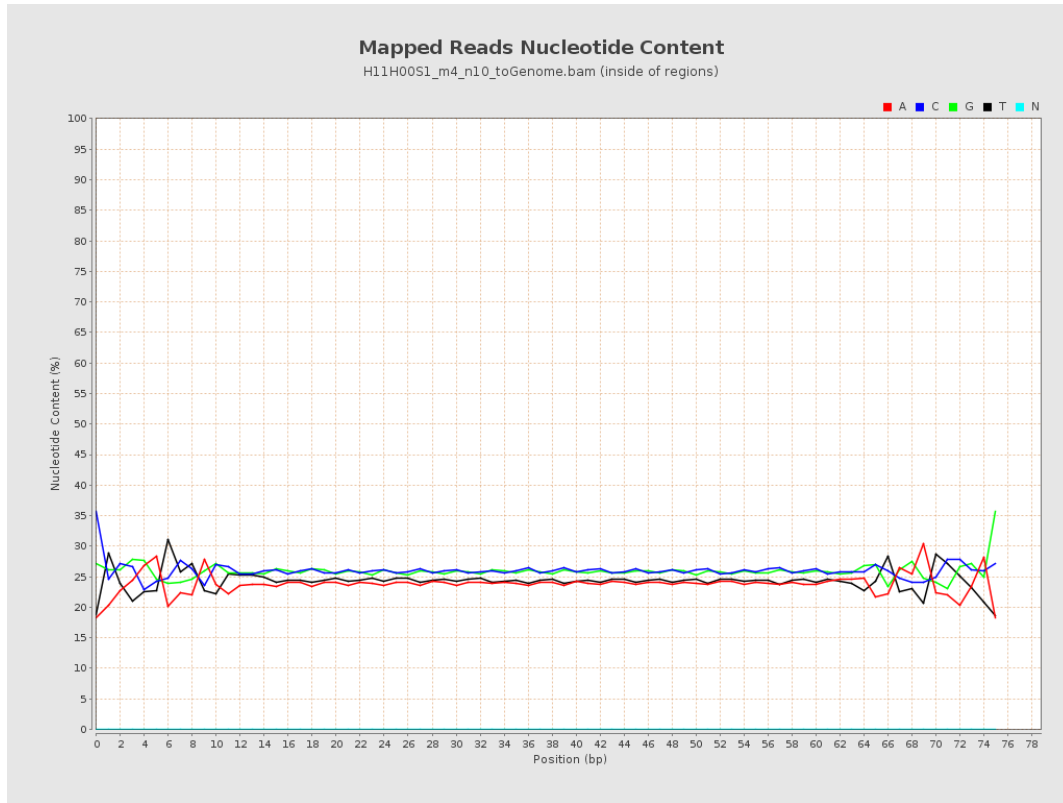
6. Results : Genome Fraction Coverage (inside of regions)



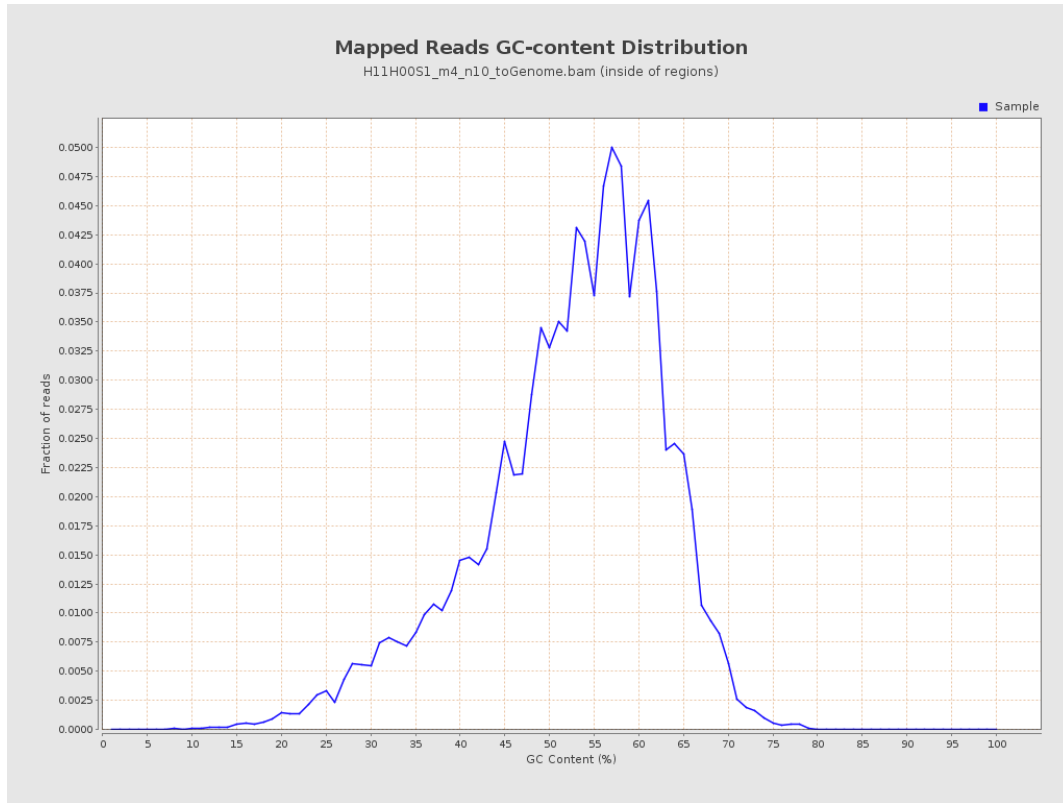
7. Results : Duplication Rate Histogram (inside of regions)



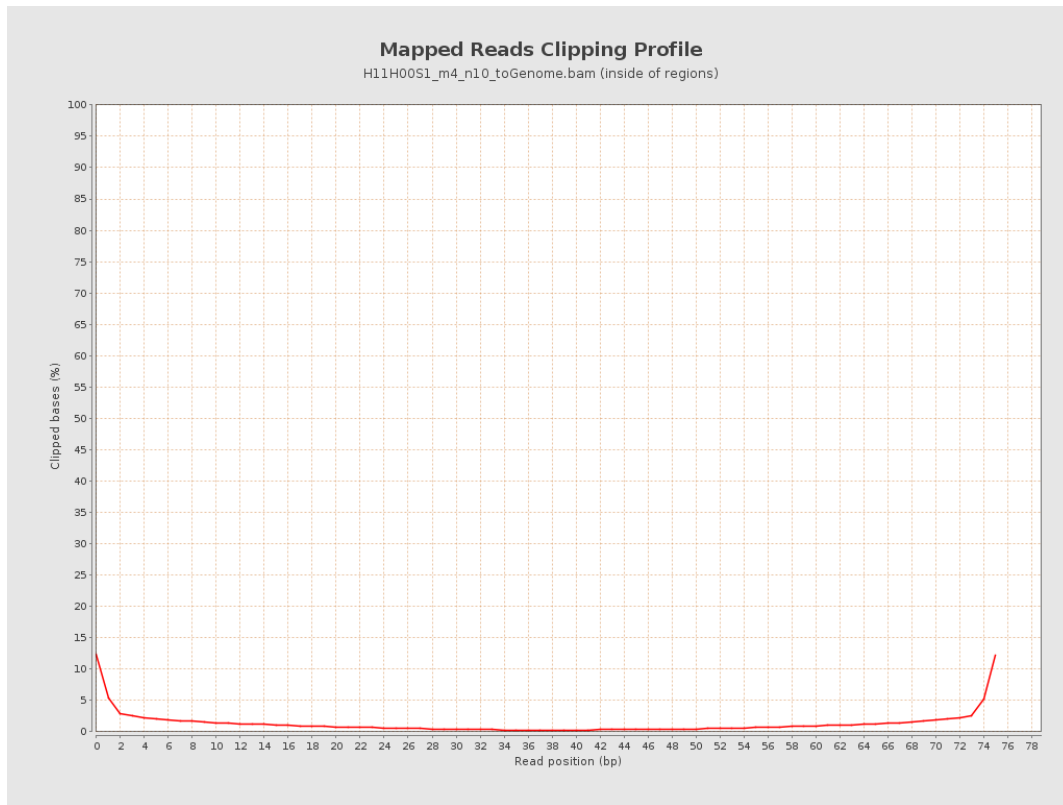
8. Results : Mapped Reads Nucleotide Content (inside of regions)



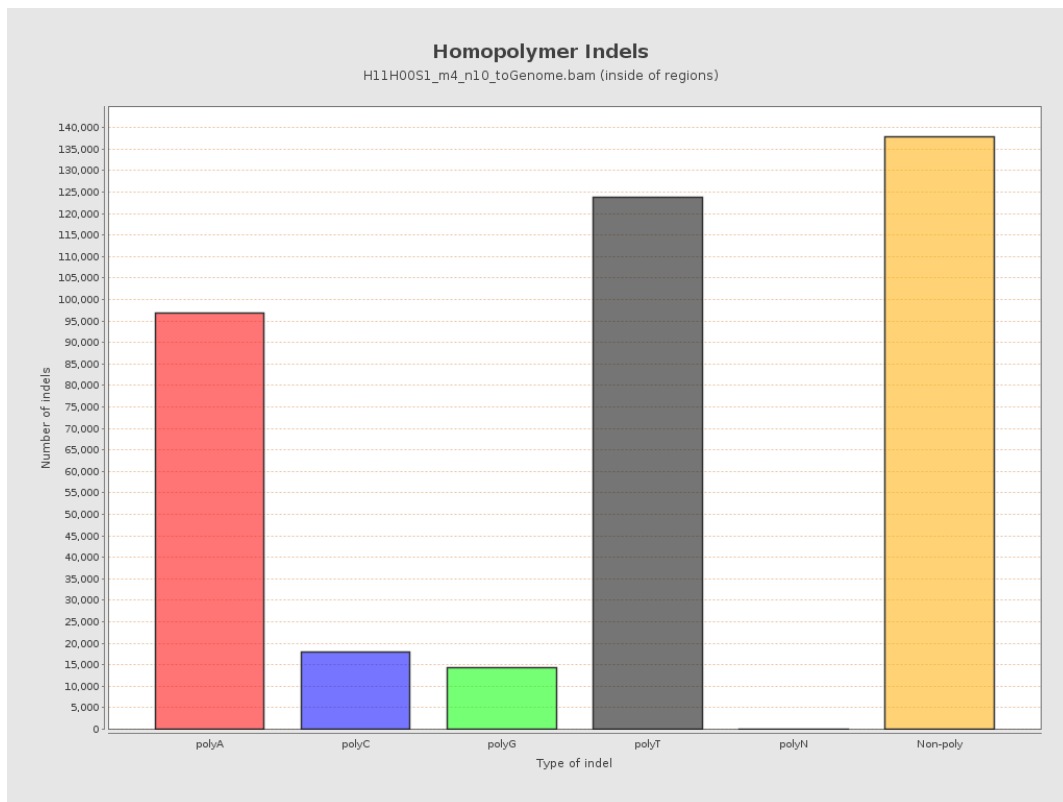
9. Results : Mapped Reads GC-content Distribution (inside of regions)



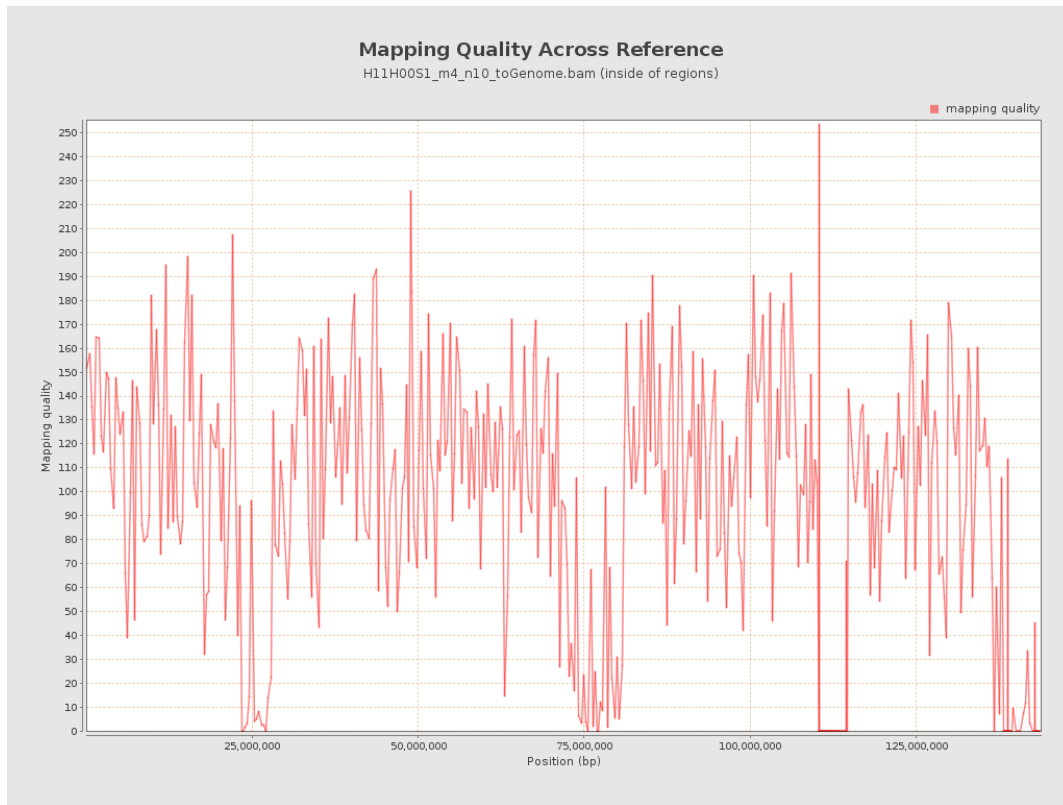
10. Results : Mapped Reads Clipping Profile (inside of regions)



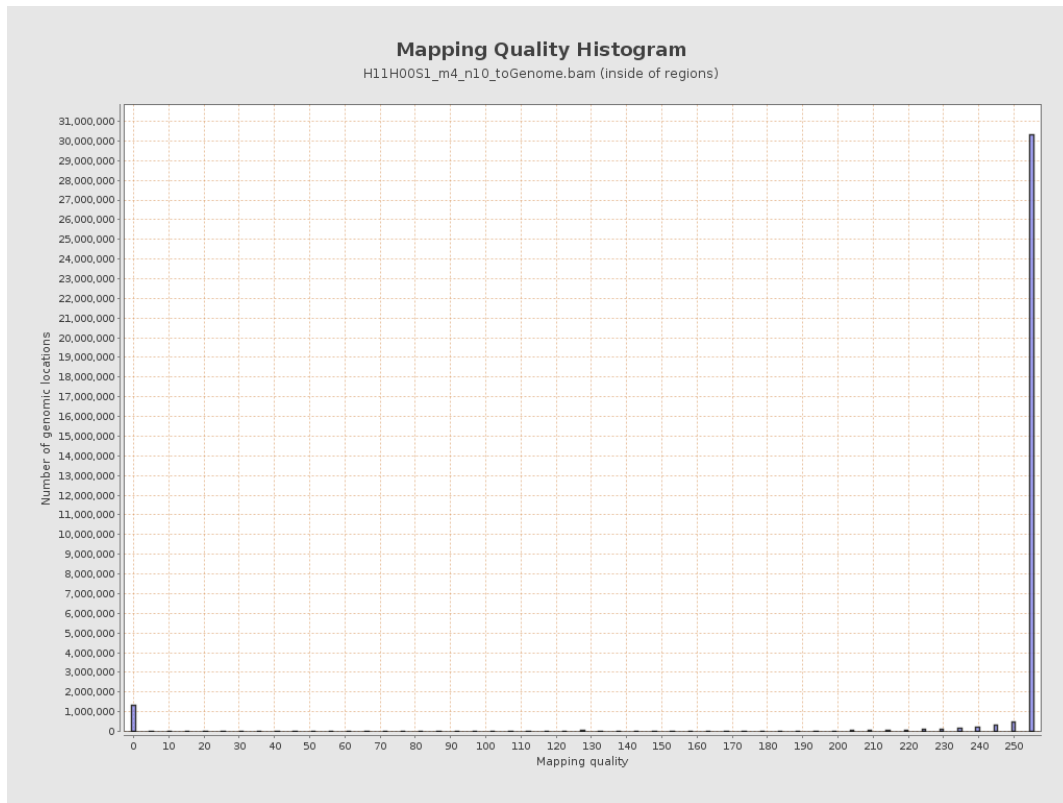
11. Results : Homopolymer Indels (inside of regions)



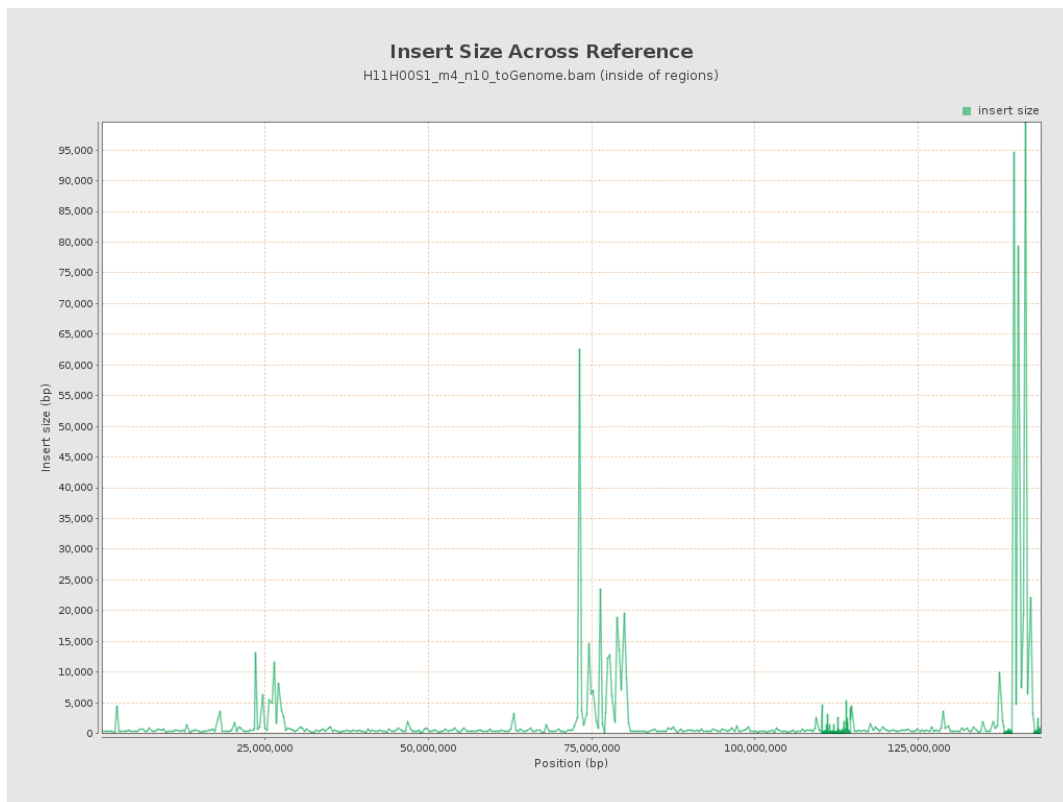
12. Results : Mapping Quality Across Reference (inside of regions)



13. Results : Mapping Quality Histogram (inside of regions)



14. Results : Insert Size Across Reference (inside of regions)



15. Results : Insert Size Histogram (inside of regions)

