Library ds_AAACAT


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_AAAGCA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_AAATGC


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_AAGGAC


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_AATAGG


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_ACAAAC


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_ACAGTG


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

## Library ds_ACATCT



chrY:ww

Library ds_ACTGAT


chrY:ww

Library ds_ACTTGA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_AGAAGA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_AGATAG


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_AGCATC

chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

## Library ds_AGGTTT



chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_ATCCTA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_ATCTAT


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_ATGAGC



Library ds_ATTCCT



Library ds_CACTCA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:cc

Library ds_CAGATC


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_CAGGCG

chrY:ww

Library ds_CATGGC


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:cc

Library ds_CATTTTT


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_CCGCAA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_CCTTAG


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_CGAGAA



Library ds_CGGAAT


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:cc

Library ds_CGTACG



Library ds_GAAACC


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:cc

Library ds_GAATAA



Library ds_GACGGA


[^0]Library ds_GATATA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_GCCAAT


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:cc

Library ds_GCCTTA

(1)
chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_GCTCCA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_GGCACA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:cc

Library ds_GGCCTG


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_GTCCGC


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ds_TCCCGA


chrY:ww

Library ds_TCGGCA



Library ds_TTCGAA


chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:cc

Library ss_AACCCC

chr13:wc chr14:ww chr15:wc chr16:cc chr17:ww chr18:ww chr19:cc chr20:ww chr21:wc chr22:ww chrX:ww chrY:cc

Library ss_AACTTG


$$
\begin{aligned}
& \text { chr13:wc chr14:ww chr15:ww chr16:cc chr17:ww chr18:cc chr19:cc chr20:cc chr21:cc chr22:wc chrX:wc chrY:ww }
\end{aligned}
$$

Library ss_AAGACT


chr19:cc chr20:wc
chr21:ww
chr22:wc chrX:ww chrY:ww

Library ss_AAGCGA

(1)
chr13:ww chr14:ww chr15:ww chr16:ww chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:ww

Library ss_ACCCAG


chr13:cc chr14:ww chr15:ww chr16:cc chr17:wc chr18:wc shr19:ww chr20:wc chr21:cc chr22:wc chrX:wc chrY:ww

Library ss_ACCGGC



Library ss_ACGATA


chr13:wc chr14:wc chr15 cc chr16:ww chr17:wc chr18.cc chr19.cc chr20:ww chr21.ww chr22.wc

Library ss_ACTCTC



Library ss_AGCGCT


chr22:wc
chrX:ww
chrY:ww

Library ss_AGGCCG


chr22:wc
chrX:ww
chrY:ww

Library ss_AGTTCC


chr13:wc chr14:wc chr15:ww chr16:cc chr17:cc chr18:cc chr19:cc chr20:ww chr21:wc chr22:wc chrX:wc chrY:ww

Library ss_ATAATT

chr13:wc chr14:ww chr15:cc chr16:cc chr17:cc chr18:wc chr19:ww chr20:ww chr21:ww chr22:wc chrX:ww chrY:ww

Library ss_ATACGG



Library ss_ATCACG



Library ss_CAAAAG


chr13:wc chr14:ww chr15:cc chr16:wc chr17:ww chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:cc chrY:ww

Library ss_CAACTA



Library ss_CACCGG



Library ss_CACGAT



Library ss_CCAACA



Library ss_CCACGC



Library ss_CCCATG


chr13:wc chr14:cc chr15:ww chr16:ww chr17:ww chr18:ww shr19:ww chr20:cc chr21:wc chr22:ww chrX:wc chrY:ww

Library ss_CCGTCC


[^1]Library ss_CGATGT


chr13:wc chr14:ww chr15:ww chr16:wc chr17:ww chr18:ww chr19:wc chr20:ww chr21:wc chr22:wc chrX:wc chrY:ww

Library ss_CTAGCT

chr13:wc chr14:ww chr15:ww chr16:ww chr17:ww chr18:cc chr19:cc chr20:ww chr21:ww chr22:ww chrX:ww chrY:ww

Library ss_CTATAC



Library ss_CTCAGA



Library ss_CTGCTG



Library ss_CTTGTA


chr13:ww chr14:ww chr15:ww chr16:cc chr17:cc chr18:cc chr19:ww chr20:cc chr21:wc chr22:wc chrX:wc chrY:cc

Library ss_GAGTGG


chr13:cc chr14:ww chr15:cc chr16:cc chr17:wc chr18:wc shr19:ww chr20:cc chr21:wc chr22:cc chrX:ww chrY:ww

Library ss_GATCAG


chr13:ww chr14:wc chr15:ww chr16:ww chr17:wc chr18:wc shr19:ww chr20:ww chr21:cc chr22:wc chrX:wc chrY:ww

Library ss_GATGCT


chr13:ww chr14:wc chr15:ww chr16:wc chr17:ww chr18:ww chr19:wc chr20:wc chr21:wc chr22:ww chrX:ww chrY:ww

Library ss_GCAAGG


chr13:wc chr14:wc chr15:ww chr16:cc chr17:ww chr18:wc chr19:wc chr20:cc chr21:wc chr22:wc chrX:wc chrY:ww

Library ss_GCACTT



Library ss_GCCGCG


chr13:wc chr14:cc chr15:ww chr16:wc chr17:wc chr18:ww chr19:wc chr20:wc chr21:cc chr22:wc chrX:cc chrY:cc

Library ss_GGCTAC


$$
\begin{aligned}
& \text { chr13:cc chr14:wc chr15:ww chr16:cc chr17:ww chr18:wc chr19:wc chr20:cc chr21:cc chr22:cc chrX:wc chrY:cc }
\end{aligned}
$$

Library ss_TAATCG



Library ss_TAGCTT



Library ss_TATAAT



## Library ss_TGAATG




Library ss_TGACCA


chr13:ww chr14:cc chr15:ww chr16:ww chr17:wc chr18:wc chr19:cc chr20:ww chr21:wc chr22:wc chrX:cc chrY:cc

Library ss_TGCTGG




[^0]:    
    chr13:wc chr14:wc chr15:wc chr16:wc chr17:wc chr18:wc chr19:wc chr20:wc chr21:wc chr22:wc chrX:wc chrY:cc

[^1]:    
    chr13:cc chr14:wc chr15:ww chr16:wc chr17:wc chr18:cc chr19:wc chr20:cc chr21:cc chr22:wc chrX:wc chrY:cc

