



















oyuan@tak\$ h	ead -3 exp_2				
Genbank Acc	UniGene ID	exp Gene Symbol & Name			
BC044791	Mm.208618	109181 Trip11; thyroid hormone receptor interactor 11			
AK029748	Mm.183137	16678 Krt2-1; keratin complex 2, basic, gene 1			
byuan@tak\$ p	aste exp_2 exp_	3 exp_4 head -1			
Genbank Acc	UniGene ID	exp Gene Symbol & Name Genbank Acc			
UniGene ID	exp Gene Syn	bol & Name Genbank Acc UniGene ID exp			
Gene Symbol	& Name	*			
byuan@tak\$ p	aste exp_2 exp_	3 exp_4 cut -f1,2,3,7,11,12 head -3			
Genbank Acc	UniGene ID	exp exp exp Gene Symbol & Name			
BC044791	Mm.208618	109181 109184 109187 Trip11; thyroid hormone			
receptor intera	ctor 11				
AK029748	Mm.183137	16678 16679.2 16680.4 Krt2-1; keratin complex 2.			
basic, gene 1		······································			

Sphere are a sph	-1 mapped.txt	-h- V 70418710			
SKKUISI46.1_WI	CTCTA ATCCACTTC IDHUHUHUHUHUHUHUH	cnrX /9418/19			
ovuan@tak\$ cut -f	2-5 mapped txt lbead -3	0			
chrX 79418	719 GGCCAATTCACACTCTAATCCACTT	2			
+ chr1 77169	391 ATACCTGGATCTTCCAGCTTGGGGGA	2			
chr13 38726	605 TGGGGCTCCAACTAGTTCCCATTCT	2			
oyuan@tak\$ cut -f.	2-5 mapped.txt sort -k 2,2d -k 3,3n head -3				
⊦ chr1 30079	91 TGATCTAACTTTGGTACCTGGTATCT				
+ chr1 3009967 TTTTCCATTTTCCATTTTCTTTGATT					
- chr1 30099	67 TTTTCCATTTTCCATTTTCTTTGATT				
yuan@tak\$ cut -f	2-5 mapped.txt grep "chr15" sort -k 2,2d -k 3,3n h	iead -3			
+ chr15 30033	325 GCCCAGAGTCCCACAGCCTGCTGCCT				
+ chr15 30050	96 GCAGTGGAAATTTTTCTTTTTGTTAC				
⊦ chr15 30091	56 GAATTGATGCAGGAAATAGATTGTTC				
	I	1			
k Field	-t field-separator. Default: space -t; -t\t -t' '	-r reverse			
	-n numeric <u>sort</u> lines of text				
d dictionary- order					

Г

Remove duplicate lines unig						
 				•		
more 1	TILE			gort FILE		
chr6.fa 3	4314346	F	•	SOLC FILE	_	
chr6.fa 5	2151626	R		chr6.fa 34314346	F	
chr6.fa 8	1889764	R		chr6.fa 52151626	R	
chr6.fa 52151626		R		chr6.fa 52151626	R	
				chr6.fa 81889764	R	
uniq 1	FILE		•	sort FILE	miq	
chr6.fa 3	4314346	F		chr6.fa 34314346	F	
chr6.fa 5	2151626	R		chr6.fa 52151626	R	
chr6.fa 8	1889764	R		chr6.fa 81889764	R	
chr6.fa 5	2151626	R		cort FILE	unia -d	
			•	SOLC LIPE	uniq -u	
				chr6.fa 52151626	R	
-11	unique		·	sort FILE	uniq -u	
ŭ	uniquo		_	chr6.fa 34314346	F	
-d	repeate	ed		chr6.fa 81889764	R	
L	- ·					

bvuan@	tak /nfs/BaRC/byuan\$ cut -f2-5 mapped.txt grep "chr15" sort -k 2.2d -k 3.3n head -
2	
+ ch	r15 3003325 GCCCAGAGTCCCACAGCCTGCTGCCT
+ ch	r15 3005096 GCAGTGGAAATTTTTCTTTTTGTTAC
# seq or	ıly
byuan@	tak /nfs/BaRC/byuan\$ cut -f2-5 mapped.txt grep "chr15" cut -f4 head -1
GTTAA	AACTTTATCTGCTGGCTGTCC
# seq co	unt in chr15
byuan@	tak /nfs/BaRC/byuan\$ cut -f2-5 mapped.txt grep "chr15" cut -f4 wc -l
101529	
# count	unique seq
byuan@	tak /nfs/BaRC/byuan\$ cut -f2-5 mapped.txt grep "chr15" cut -f4 sort uniq -u wc -l
89604	
# count	duplicated seq
byuan@	tak /nfs/BaRC/byuan\$ cut -f2-5 mapped.txt grep "chr15" cut -f4 sort uniq -d wc -l
4575	
# total s	eq
byuan@	tak /nfs/BaRC/byuan\$ cut -f2-5 mapped.txt grep "chr15" cut -f4 sort uniq wc -l
94179	



Alfred Aho, Peter Weinberger and Brian Kernigh		
byuan@tak\$ head -	1 mapped.txt	
SRR015146.1_WIC	MT-SOLEXA_8_3_1_908_882_length=26 - chrX 79418719	
GGCCAATTCACA	CTCTAATCCACTTC IDIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
oyuan@tak\$ awk -H	F"\t" '{ print \$3":"\$4 }' mapped.txt head -2	
chrX:79418719		
chr1:77169391		
# count the occurrent	nce of each position	
oyuan@tak\$ awk -I	F"\t" '{ print \$3":"\$4 }' mapped.txt sort uniq -c head -2	
1 chr10:100002	430	
1 chr10:100005		
# max mapped posi		
byuan@tak\$ awk -F	f"\t" { print \$3":"\$4 } mapped.txt sort uniq -c sort -k 1,1nr head -2	
1202 chr12:112/2	2251	
1202 cnr13:11253	18649	







<u>A</u> lfrec	l Aho, Peter <u>W</u> einberger, and Brian <u>K</u> ernighan
byuan@tak\$	awk '{ if(\$2=="+" && \$3=="chr15") print \$0 }' mapped.txt head -1
SRR015146.	15_WICMT-SOLEXA_8_3_1_33_728_length=26 + chr15 22686174
GTGGTAAA	CAAATAATCTGCGCATGT IIIIIIIIIIIIIIIIIIIIIIII 2117
byuan@tak\$	awk '{ if(\$2=="+" && \$3=="chr15") print \$0 }' mapped.txt cut -f4 sort -n head -3
3000388	
3001318	
3001504	
byuan@tak\$	awk '{ if(\$2=="+" && \$3=="chr15") print \$0 }' mapped.txt cut -f4 sort -n awk '{
print \$1"\t"\$1	-pre; pre=\$1 }' head -3
3000388 300	0388
3001318 930	
3001504 186	
byuan@tak\$	awk '{ if(\$2=="+" && \$3=="chr15") print \$0 }' mapped.txt cut -f4 sort -n awk '{
print \$1"\t"\$1	-pre; pre=\$1 }' tailline=+2 sort -k 2,2nr head -3
51360861	61343
67999814	60245
71200190	59915









	commands					
ls	pwd	chmod	ln			
ср	mv	rm	mkdir			
rmdir	more	head	tail			
cat	split	cut	paste			
sort	uniq	wc	grep			
gzip	gunzip	tar	zmore			
zdiff	zgrep	man	clear			
				29		

