Sourmash·····

·····RocksDB·····k-mer·····containment··
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Sourmash·····MinHash·····
·k-mer·····scaled·····FASTA·····RocksDB·····
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·····FASTA···ID·····
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···· | DNA | ·····DNA·····

k-mer·· | k=31 | ·····ksize

···· | scaled=1000 | ·····

···· | RocksDB | ·····

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·····FASTA·····RocksDB·····k-mer·sc
aled·····

```
#!/usr/bin/env bash
set -euo pipefail
refdir=/data/reference_fasta
root="$PWD/sourmash-db-run01"
db="$root/references.rocksdb"
test -d "$refdir"
test ! -e "$root" || { echo "output exists: $root" >&2; exit 2; }
mkdir -p "$root"
find "$refdir" -maxdepth 1 -type f \( -name '*.fna' -o -name '*.fna.gz' \) -print   | sort > "$root/reference-files.txt"
test -s "$root/reference-files.txt"
sourmash info --version > "$root/version.txt" 2>&1
sourmash sketch dna -p k=31,scaled=1000   --from-file "$root/reference-files.txt" -o "$root/references.zip"
sourmash sig fileinfo "$root/references.zip" > "$root/signature-summary.txt"
sourmash index "$db" "$root/references.zip" -F rocksdb
sourmash sig fileinfo "$db" > "$root/index-summary.txt"
test -s "$root/index-summary.txt"
sha256sum "$root/reference-files.txt" "$root/references.zip" > "$root/checksums.txt"
printf 'Index created: %s
' "$db"
```

·····FASTA·····
·····RocksDB·····

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arch·····Jaccard·····--containment·····
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·····containment·····k-mer·····
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Sourmash·····sketch·index·search https://sourmash.readthedocs.io/en/latest/command-line.html

Sourmash…… https://sourmash.readthedocs.io/en/latest/sourmash-sketch.html