```
records: list[KmerSeq]
shuffle(records)
# The minimum size of the divergent set.
min_size: int
# The maximum size of the divergent set.
max_size: int
sr = SummedRecords.from records(records[:min size])
for r in records:
    if sr.increases_jsd(r):
        # Adding \ r \ to \ the \ N-1 \ set \ increased \ JSD \ over \ sr. jsd.
        # We define a new SummedRecords instance of \{N\} & \{r\}.
        nsr = sr + r
        # Has adding r increased the standard deviation?
        sr = nsr if nsr.std > sr.std else sr.replaced_lowest(r)
        if sr.size > max_size:
            # We stay within the user specified set size
            # by dropping the record with lowest delta-JSD.
            sr = sr.dropped_lowest()
```

A list of sequences converted into k-mer counts.