

**A**

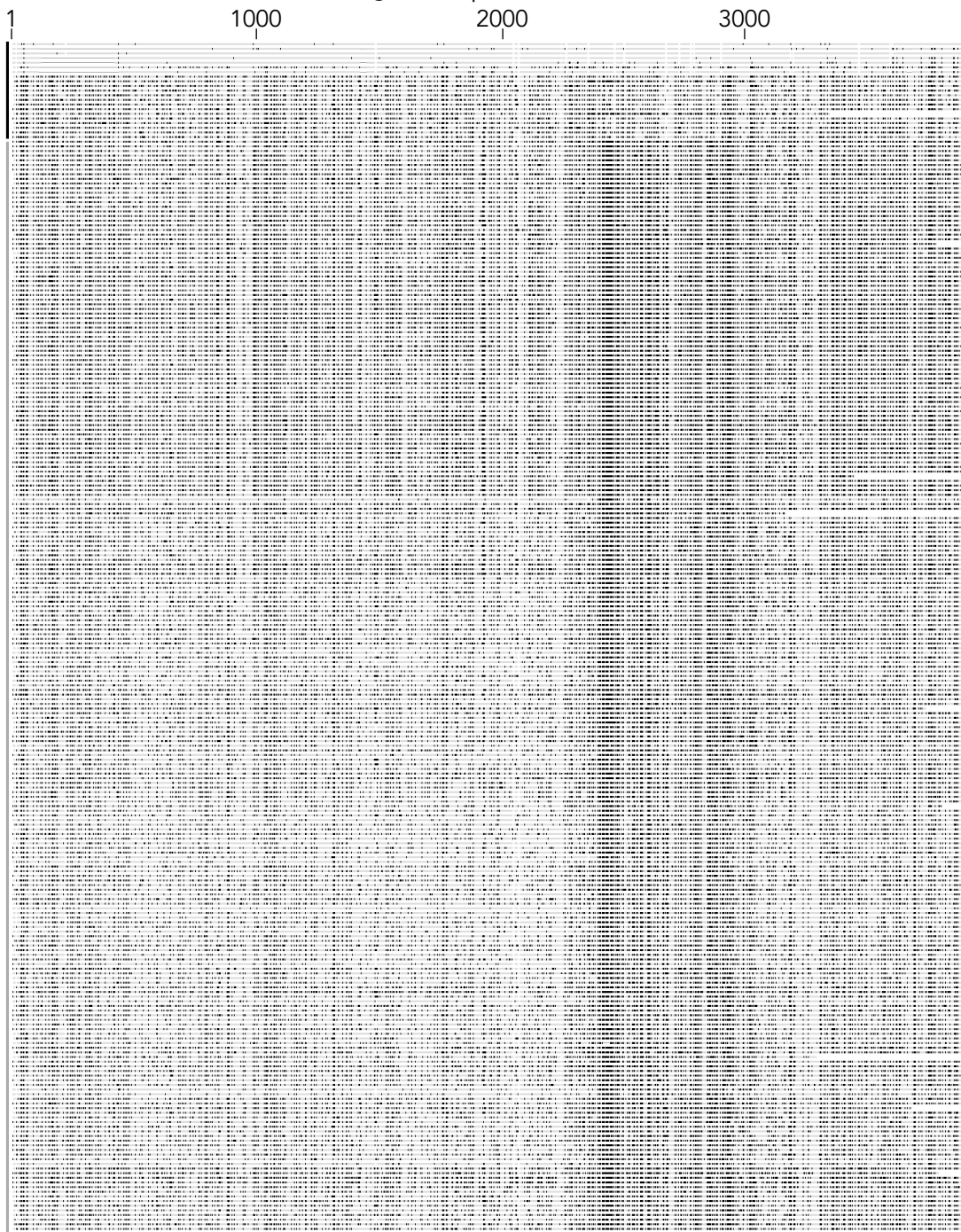
original sequences

1000

2000

3000

native

functional  
recently  
mutated

non-functional

functional

recently  
mutated

non-functional

non-native

**B**

'deRIPed' sequences

