

Reference
Genome



Simulate
Reads



Align Using
PathoMap



Reads mapped
to reference in
SAM format

Randomly
Subset
Reads



0.8



0.6



0.4



0.2



0.8



0.6



0.4



0.2

SAM files subset
by read name

Merge
Subsets



0.8 0.2



0.6 0.4



0.6 0.4



0.8 0.2

Material Contam.
1 - p p

PathoID

PathoID	Material	Contam.	1 - p	p
1	0.8	0.2	0.8	0.2
2	0.8	0.2	0.8	0.2
3	0.8	0.2	0.8	0.2
4	0.8	0.2	0.8	0.2
5	0.8	0.2	0.8	0.2
6	0.8	0.2	0.8	0.2
7	0.8	0.2	0.8	0.2
8	0.8	0.2	0.8	0.2
9	0.8	0.2	0.8	0.2
10	0.8	0.2	0.8	0.2
11	0.8	0.2	0.8	0.2
12	0.8	0.2	0.8	0.2
13	0.8	0.2	0.8	0.2
14	0.8	0.2	0.8	0.2
15	0.8	0.2	0.8	0.2
16	0.8	0.2	0.8	0.2
17	0.8	0.2	0.8	0.2
18	0.8	0.2	0.8	0.2
19	0.8	0.2	0.8	0.2
20	0.8	0.2	0.8	0.2

PathoID	Material	Contam.	1 - p	p
1	0.8	0.2	0.8	0.2
2	0.8	0.2	0.8	0.2
3	0.8	0.2	0.8	0.2
4	0.8	0.2	0.8	0.2
5	0.8	0.2	0.8	0.2
6	0.8	0.2	0.8	0.2
7	0.8	0.2	0.8	0.2
8	0.8	0.2	0.8	0.2
9	0.8	0.2	0.8	0.2
10	0.8	0.2	0.8	0.2
11	0.8	0.2	0.8	0.2
12	0.8	0.2	0.8	0.2
13	0.8	0.2	0.8	0.2
14	0.8	0.2	0.8	0.2
15	0.8	0.2	0.8	0.2
16	0.8	0.2	0.8	0.2
17	0.8	0.2	0.8	0.2
18	0.8	0.2	0.8	0.2
19	0.8	0.2	0.8	0.2
20	0.8	0.2	0.8	0.2

PathoID	Material	Contam.	1 - p	p
1	0.8	0.2	0.8	0.2
2	0.8	0.2	0.8	0.2
3	0.8	0.2	0.8	0.2
4	0.8	0.2	0.8	0.2
5	0.8	0.2	0.8	0.2
6	0.8	0.2	0.8	0.2
7	0.8	0.2	0.8	0.2
8	0.8	0.2	0.8	0.2
9	0.8	0.2	0.8	0.2
10	0.8	0.2	0.8	0.2
11	0.8	0.2	0.8	0.2
12	0.8	0.2	0.8	0.2
13	0.8	0.2	0.8	0.2
14	0.8	0.2	0.8	0.2
15	0.8	0.2	0.8	0.2
16	0.8	0.2	0.8	0.2
17	0.8	0.2	0.8	0.2
18	0.8	0.2	0.8	0.2
19	0.8	0.2	0.8	0.2
20	0.8	0.2	0.8	0.2

PathoID	Material	Contam.	1 - p	p
1	0.8	0.2	0.8	0.2
2	0.8	0.2	0.8	0.2
3	0.8	0.2	0.8	0.2
4	0.8	0.2	0.8	0.2
5	0.8	0.2	0.8	0.2
6	0.8	0.2	0.8	0.2
7	0.8	0.2	0.8	0.2
8	0.8	0.2	0.8	0.2
9	0.8	0.2	0.8	0.2
10	0.8	0.2	0.8	0.2
11	0.8	0.2	0.8	0.2
12	0.8	0.2	0.8	0.2
13	0.8	0.2	0.8	0.2
14	0.8	0.2	0.8	0.2
15	0.8	0.2	0.8	0.2
16	0.8	0.2	0.8	0.2
17	0.8	0.2	0.8	0.2
18	0.8	0.2	0.8	0.2
19	0.8	0.2	0.8	0.2
20	0.8	0.2	0.8	0.2

Taxonomic
Assignment
Report

Blue genome
twice the size of
orange genome