Reprot

1. Contamination content (Input)

Reference genome Path : reference/MDS42Ref.fasta

Rawdata Path : rawdata/SP5P16A.raw_1.fastq.gz

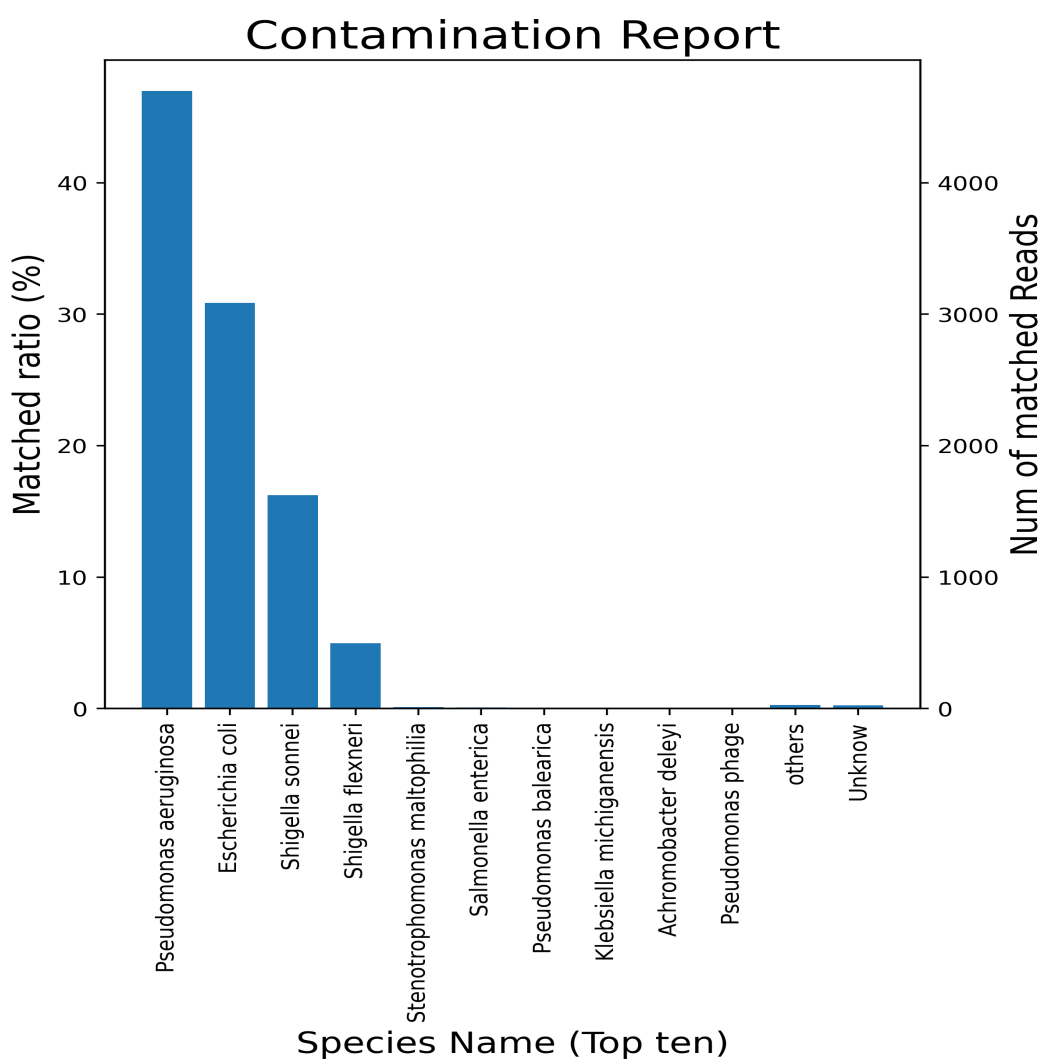Rawdata Path : rawdata/SP5P16A.raw_2.fastq.gz

Target bacterial : Escherichia coli str. K-12 substr. MDS42 DNA, complete genome

2. Species Summary (output) :

species name	num of matched reads	accession ID	NCBI dataset URL	Taxonomy dastaset URL
Pseudomonas aeruginosa	4698	CP054623.1	ncbi.nlm.nih.gov/ nuccore/CP054623.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Pseudomonas aeruginosa
Escherichia coli	3087	CP066748.1	ncbi.nlm.nih.gov/ nuccore/CP066748.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Escherichia coli
Shigella sonnei	1623	CP066810.1	ncbi.nlm.nih.gov/ nuccore/CP066810.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Shigella sonnei
Shigella flexneri	497	CP066809.1	ncbi.nlm.nih.gov/ nuccore/CP066809.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Shigella flexneri
Stenotrophomonas maltophilia	11	CP043578.1	ncbi.nlm.nih.gov/ nuccore/CP043578.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Stenotrophomonas maltophilia
Salmonella enterica	10	CP060730.2	ncbi.nlm.nih.gov/ nuccore/CP060730.2	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Salmonella enterica
Pseudomonas balearica	6	CP067013.1	ncbi.nlm.nih.gov/ nuccore/CP067013.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Pseudomonas balearica
Klebsiella michiganensis	6	CP061930.1	ncbi.nlm.nih.gov/ nuccore/CP061930.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Klebsiella michiganensis
Achromobacter deleyi	4	CP065997.1	ncbi.nlm.nih.gov/ nuccore/CP065997.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Achromobacter deleyi
Pseudomonas phage	4	MK511048.1	ncbi.nlm.nih.gov/ nuccore/MK511048.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Pseudomonas phage
Pseudomonas virus	3	NC_042342.1	ncbi.nlm.nih.gov/ nuccore/NC_042342.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Pseudomonas virus
Pseudomonas mendocina	3	MW444999.1	ncbi.nlm.nih.gov/ nuccore/MW444999.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Pseudomonas mendocina
Pseudomonas putida	2	CP066306.1	ncbi.nlm.nih.gov/ nuccore/CP066306.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Pseudomonas putida
Escherichia fergusonii	2	CP066085.1	ncbi.nlm.nih.gov/ nuccore/CP066085.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Escherichia fergusonii

Morganella morganii	2	CP061513.1	ncbi.nlm.nih.gov/ nuccore/CP061513.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Morganella morganii
Cloning vector	2	MT733231.1	ncbi.nlm.nih.gov/ nuccore/MT733231.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Cloning vector
Priestia aryabhattai	2	CP065421.1	ncbi.nlm.nih.gov/ nuccore/CP065421.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Priestia aryabhattai
Pseudomonas sp.	2	CP025229.1	ncbi.nlm.nih.gov/ nuccore/CP025229.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Pseudomonas sp.
Bordetella pseudohinzii	2	CP016440.1	ncbi.nlm.nih.gov/ nuccore/CP016440.1	ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?name= Bordetella pseudohinzii

3. Species Summary Graph (Top ten)

4. Contaminated or not ?

Yes, it is contaminated by :

Contaminated species accesssion ID	Contaminated species name
NC_020518.1	Pseudomonas aeruginosa strain DL201330 chromosome, complete genome

5. Variant results

Index	Value
Num of reads (before clean)	6837741
Average coverage (before clean)	254.84457653611054
Num of reads (after clean)	3575728
Average coverage (after clean)	133.53676341326317
Num of variants (GATK call)	7
Verified mutations	6
Misalignment	0