

# WGS Quality Control Report

Batch Name: 2024-05-03

Experiment Name: 24ARS\_STC\_TRIC\_LG733

Isolate No.	Sample ID	Description	ARSRL	WGS
1	23ARS_BGH0073	EMR100	Klebsiella pneumoniae	Klebsiella pneumoniae
2	23ARS_DMC0672	EMR132	Klebsiella pneumoniae	Klebsiella pneumoniae
3	24ARS_BRT0006	EMR137	Klebsiella pneumoniae	Klebsiella pneumoniae
4	24ARS_BRT0009	EMR138	Klebsiella pneumoniae	Klebsiella quasipneumoniae
5	24ARS_BRT0011	EMR139	Klebsiella pneumoniae	Klebsiella pneumoniae
6	24ARS_BRT0016	EMR140	Pseudomonas aeruginosa	Pseudomonas aeruginosa
7	24ARS_EVR0004	EMR135	Escherichia coli	Escherichia coli
8	24ARS_STC_CVM001	satscan	Escherichia coli	Escherichia coli
9	24ARS_STC_CVM002	satscan	Klebsiella pneumoniae	Klebsiella pneumoniae
10	24ARS_STC_CVM003	satscan	Escherichia coli	Escherichia coli
11	24ARS_STC_CVM004	satscan	Escherichia coli	Escherichia coli
12	24ARS_STC_CVM005	satscan	Escherichia coli	Escherichia coli
13	24ARS_STC_CVM006	satscan	Klebsiella pneumoniae	Klebsiella pneumoniae
14	24ARS_STC_CVM007	satscan	Klebsiella pneumoniae	Klebsiella pneumoniae
15	24ARS_STC_CVM008	satscan	Klebsiella pneumoniae	Klebsiella quasipneumoniae
16	24ARS_STC_CVM009	satscan	Klebsiella pneumoniae	Klebsiella pneumoniae
17	UTP_BL_007	tricycle	Escherichia coli	Escherichia coli
18	UTP_BL_008	tricycle	Escherichia coli	Escherichia coli
19	UTP_BL_009	tricycle	Escherichia coli	Escherichia coli
20	UTP_BL_010	tricycle	Escherichia coli	Escherichia coli
21	UTP_BL_011	tricycle	Escherichia coli	Escherichia coli
22	UTP_ST_055	tricycle	Escherichia coli	Escherichia coli

Legend:

PASS	WARNING	FAILURE	EXCEEDS THRESHOLD METRIC/S	NON-CONCORDANT
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Isolate No.	Sample ID	Contamination	Contigs	GC Percent	N50	Total Length
1	23ARS_BGH0073	0	77	56.70	245773	5784839
2	23ARS_DMC0672	0	107	57.14	322650	5641788
3	24ARS_BRT0006	0	71	57.14	266742	5591154
4	24ARS_BRT0009	0	59	57.67	290040	5446056
5	24ARS_BRT0011	0	95	57.04	196758	5711812
6	24ARS_BRT0016	0	117	66.02	181908	6802621
7	24ARS_EVR0004	0	53	50.48	340285	5067237
8	24ARS_STC_CVM001	0	64	50.70	236861	4782190
9	24ARS_STC_CVM002	0	23	57.46	471275	5307898
10	24ARS_STC_CVM003	0	86	50.51	130631	4709613
11	24ARS_STC_CVM004	0	72	50.80	127236	4660175
12	24ARS_STC_CVM005	0	125	50.90	90736	4711453
13	24ARS_STC_CVM006	0	51	57.01	392911	5498661
14	24ARS_STC_CVM007	0	87	56.94	338934	5549988
15	24ARS_STC_CVM008	0	20	57.85	929710	5214271
16	24ARS_STC_CVM009	0	55	57.27	376207	5435861
17	UTP_BL_007	0	76	50.73	269011	5142769
18	UTP_BL_008	0	145	50.73	197052	5192042
19	UTP_BL_009	0	111	50.61	160928	4931652
20	UTP_BL_010	0	82	50.34	196709	5211239
21	UTP_BL_011	0	90	50.58	147956	4669933
22	UTP_ST_055	0	117	50.67	135313	4917644

Legend:

PASS	WARNING	FAILURE	EXCEEDS THRESHOLD METRIC/S	*Isolates were tagged with warning due to uncertain results of species identification using bactinspector or sequence identification levels.
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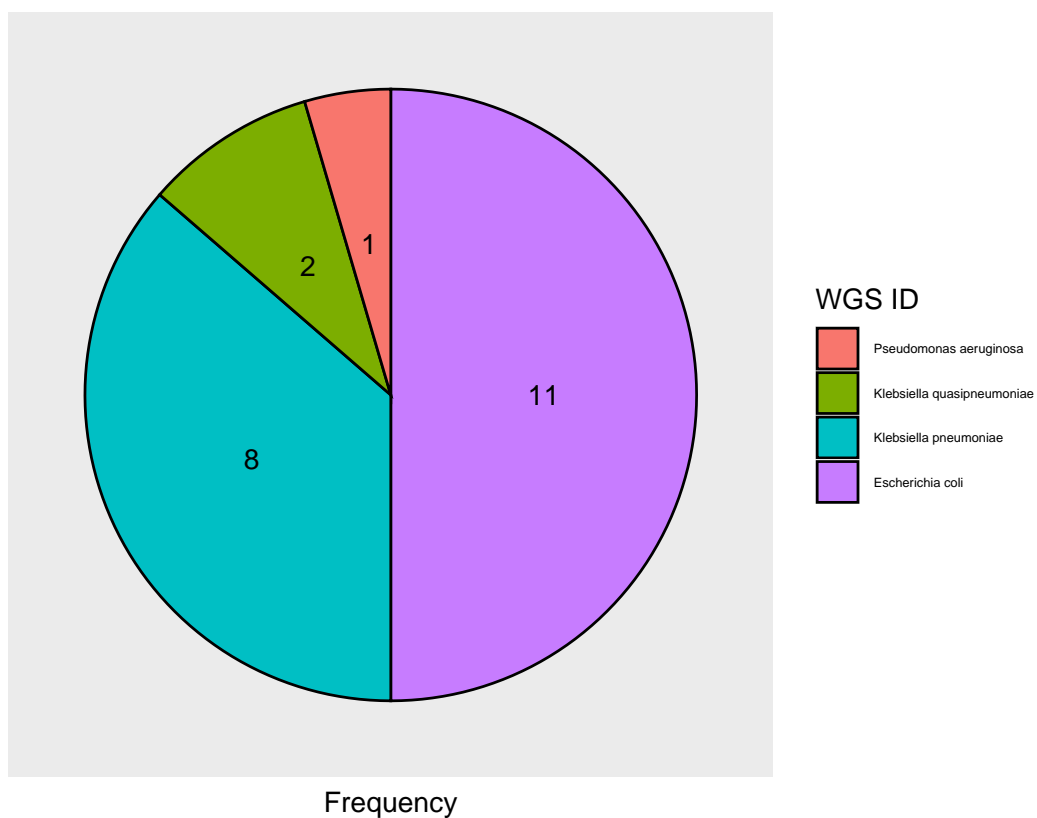
#### List of samples above/below QC threshold metrics

Sample ID	Remarks
No QC failures found.	

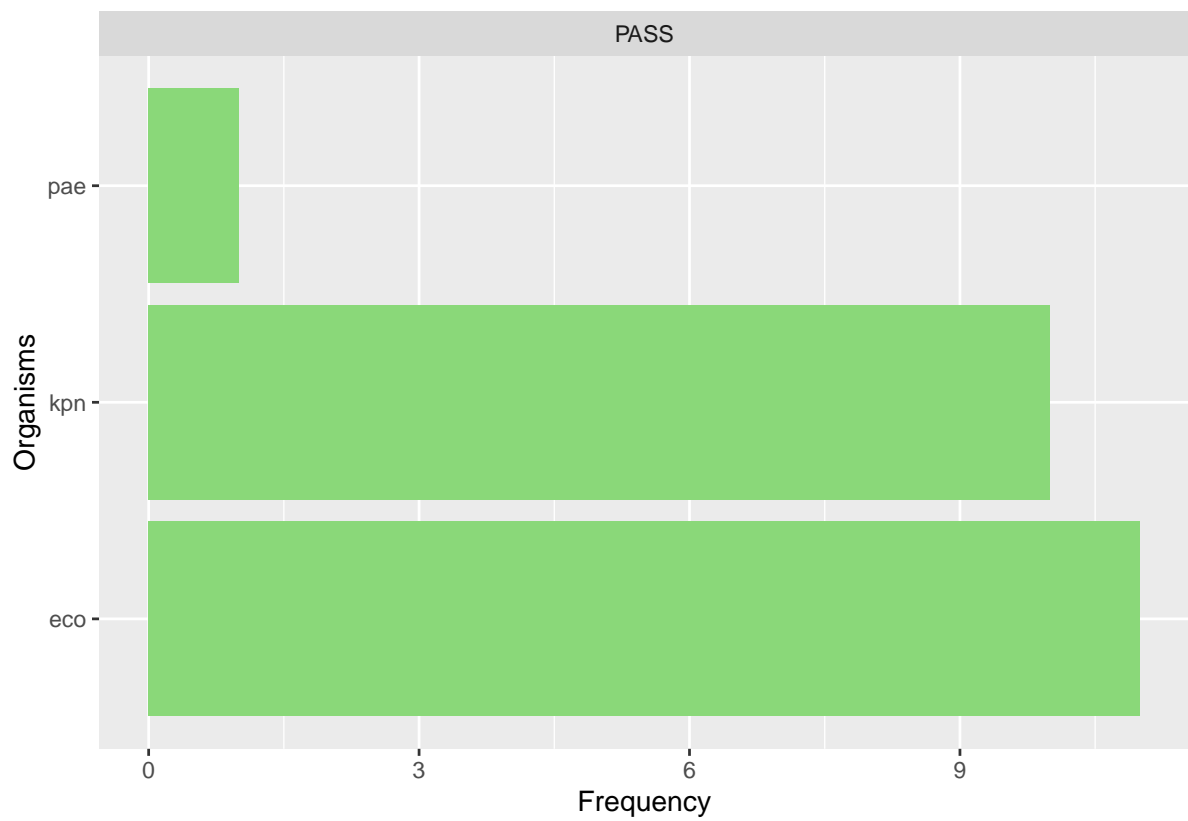
WGS_ID	Number
Escherichia coli	11
Klebsiella pneumoniae	8
Klebsiella quasipneumoniae	2
Pseudomonas aeruginosa	1

- 4 distinct species were identified among 22 isolates.
- 100.00 % (n=22) of the isolates passed the QC, while 0.00 % (n=0) were tagged with warning.
- Concordance between ARSRL and WGS species report was 100.00 %.

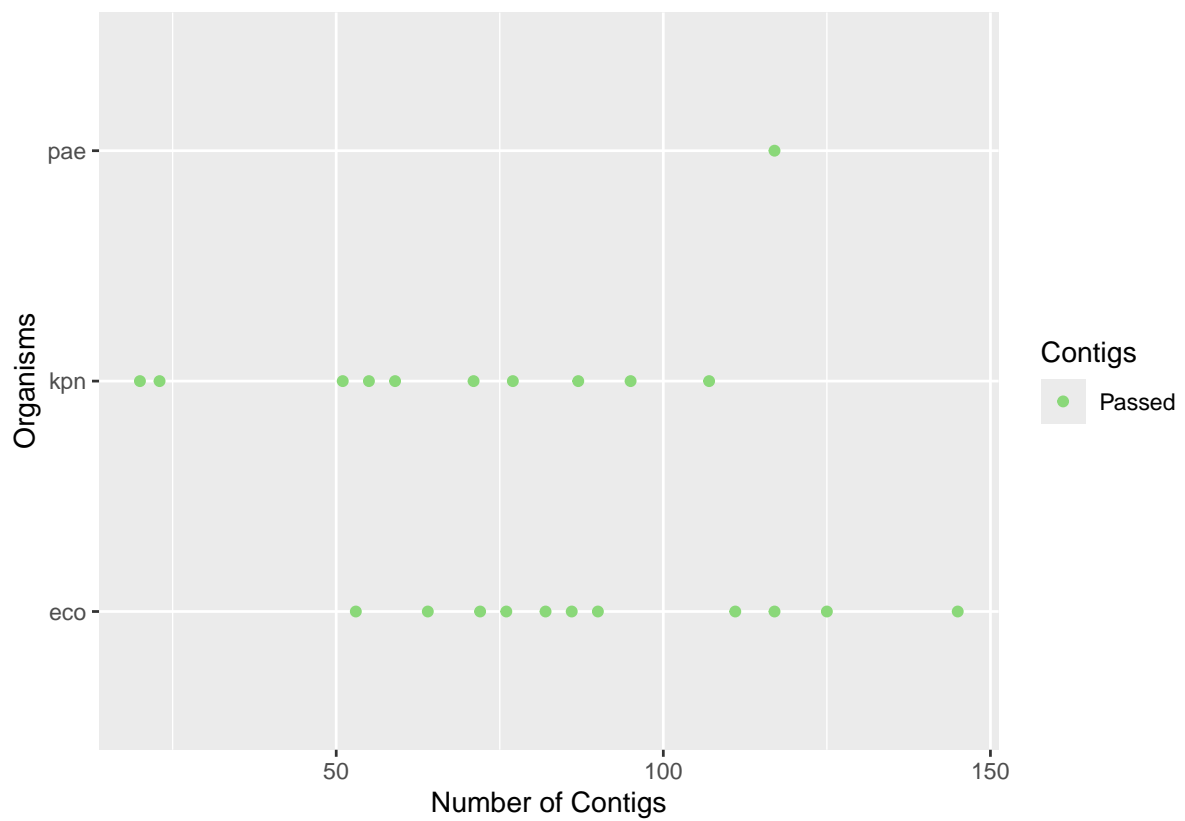
## GRAPHS



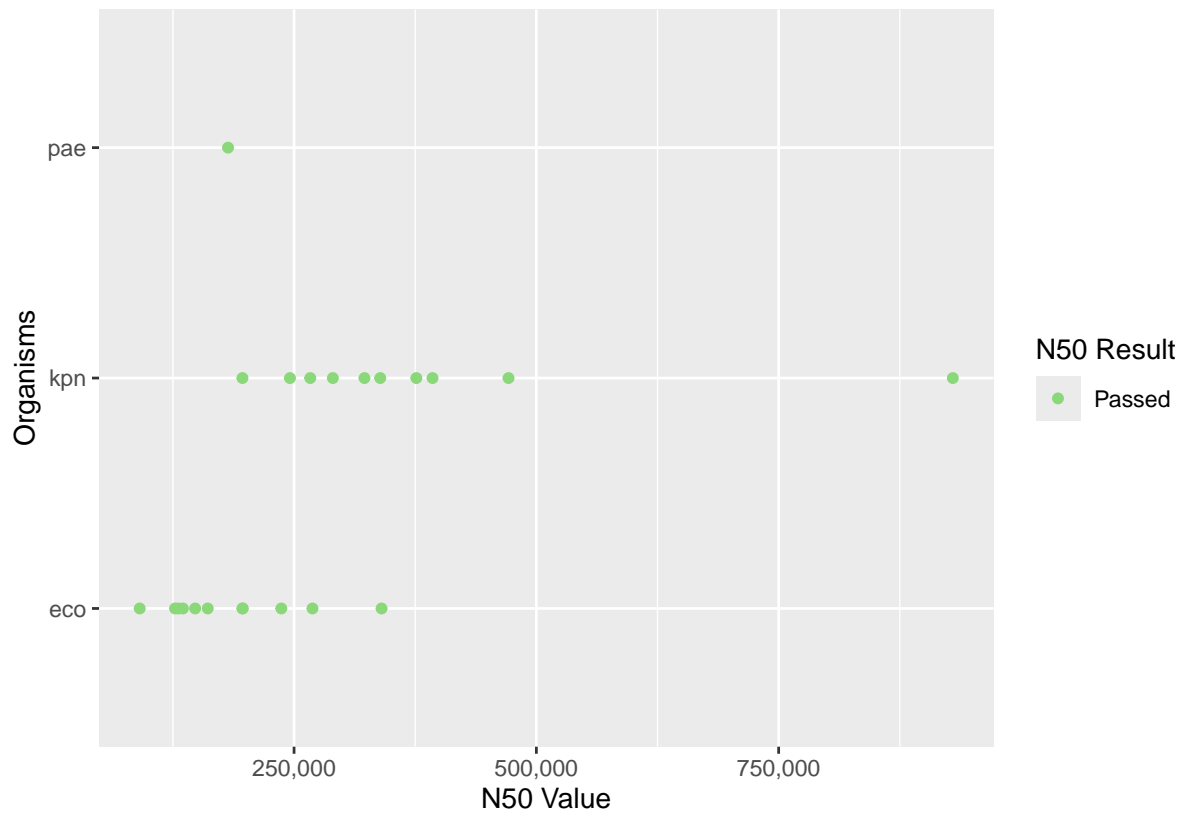
## Result Classification



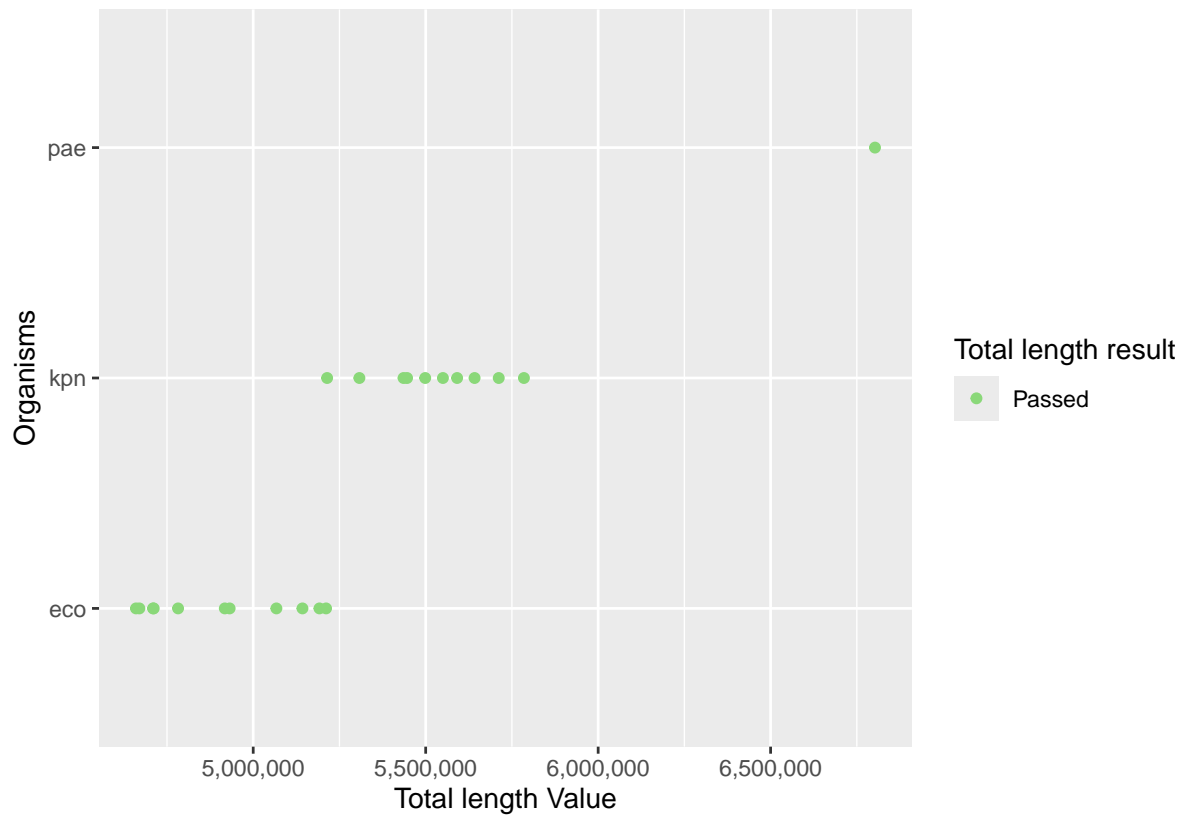
## Number of contigs



### N50 Value



### Total Length



**RECOMMENDATION:**

Sample ID	Action	Reason
No further action required for this batch.		