

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Project Information

Study/Project Name	TempO-seq Data from Dichlorobenzene exposure in Female Rat and Mouse heart, liver, lung, kidney and ovary.
Study/Project Identifier	DCB TempO-seq S1500++
Principal Study Investigator	Dr. Scott Auerbach
Date Tempo-seq data received	04/15/2025
Total Fastq files received	759
Date QC report generated	04/25/2025
Folder path for data/report	\\wine\CEBS\Auerbach\108-020-001-000-0\po109-k06876-dichlorobenzene-temposeq

Quality Control Summary

	Number of samples	% of samples
Total samples	759	100%
Passed QC	740	97.5%
Flagged	19	2.5%

Table 1: Per sample Quality control summary

All the samples have Sanger / Illumina 1.9 encoding.

All the samples have 50bp reads.

The number of fastq sequences per sample varies from 5,302 to 24,672,508. (Mean: 9,548,990 and Median: 9,176,564).

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Quality Control Details

Reason for being Flagged	Number of samples	% of samples
Invalid fastq file	0	0.0%
Sequencing depth < 300K	15	2.0%
Alignment rate < 40%	4	0.5%
Unique Alignment rate < 30%	0	0.0%
Aligned reads < 300K	0	0.0%
More than 50% of probes have low coverage (≤ 5 reads)	0	0.0%
Per base quality check (Warning)	0	0.0%
Per base N content check (Warning)	0	0.0%
Total	19	2.5%

Table 2: Per sample Quality control details. Parameters in green are tunable.

Expert Comments

- Overall, the data is of good quality and useful for a meaningful downstream analysis.
- All the 9 mouse liver samples on amplification [Plate3](#) column 14 failed QC. These 9 samples come from row F of the original mouse extraction [plate5](#) and [plate11](#). The kidney samples in the same row F on those extraction plates are of good quality.
- All the 5 rat lung 4D samples on amplification [Plate1](#) column 3 failed QC. Note that these 5 rat samples come from the top row of the rat extraction [plate7](#). The heart samples in the same top row on that extraction plate are of good quality.
- Two mouse samples potentially have an incorrect tissue label in the sample metadata based on the [hierarchical cluster plot](#). Sample 2DM2F105LI clusters with the kidney samples, though the metadata states that it is a liver sample. 2DM4F302KI clusters with the liver samples, though the metadata states that it is a kidney sample.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Distribution of the total number of sequenced reads for the samples.

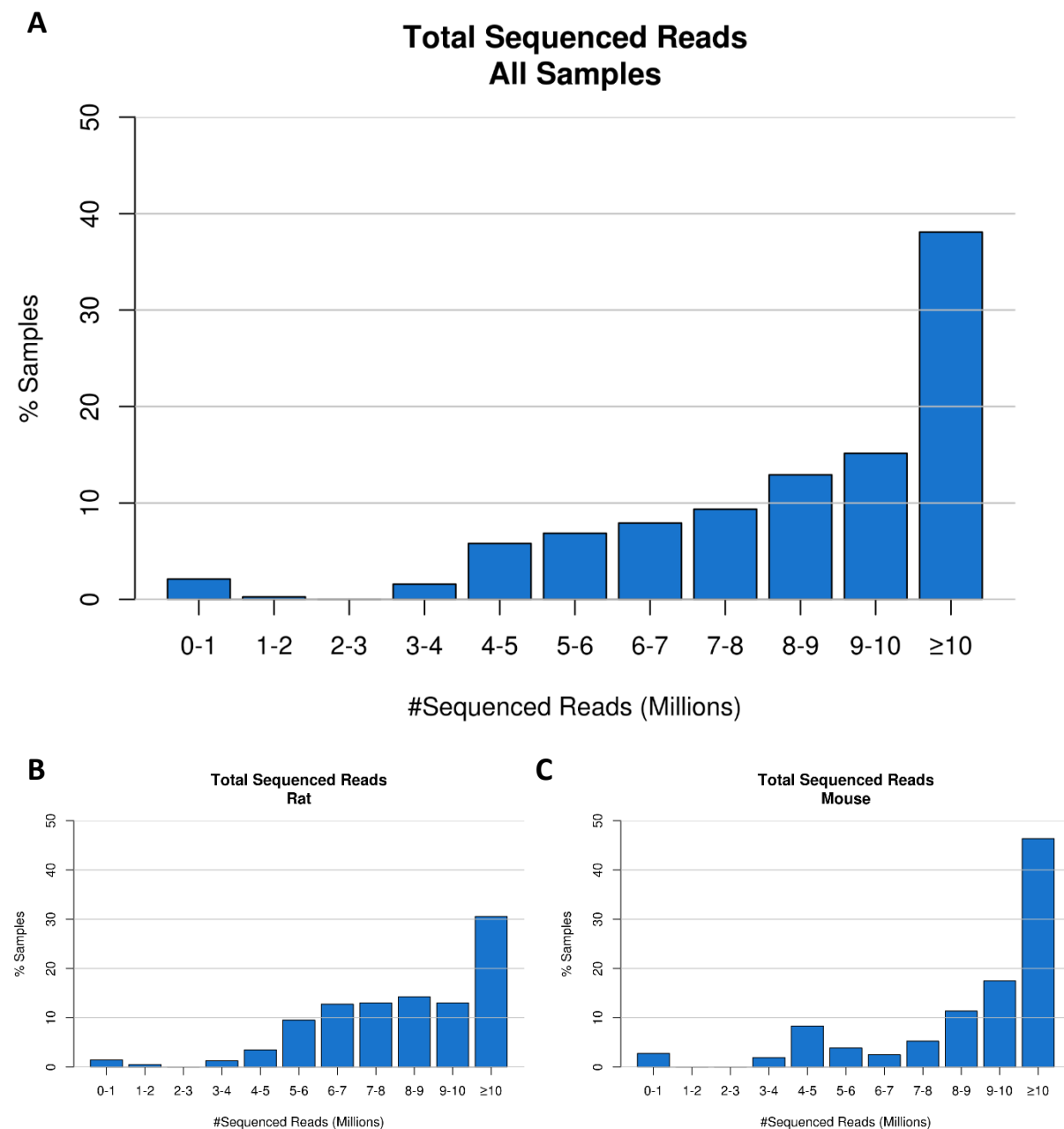


Figure 1: Distributions of the total number of sequenced reads in (A) the full study, (B) rat samples, (C) mouse samples.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Distribution of the alignment rate of the samples.

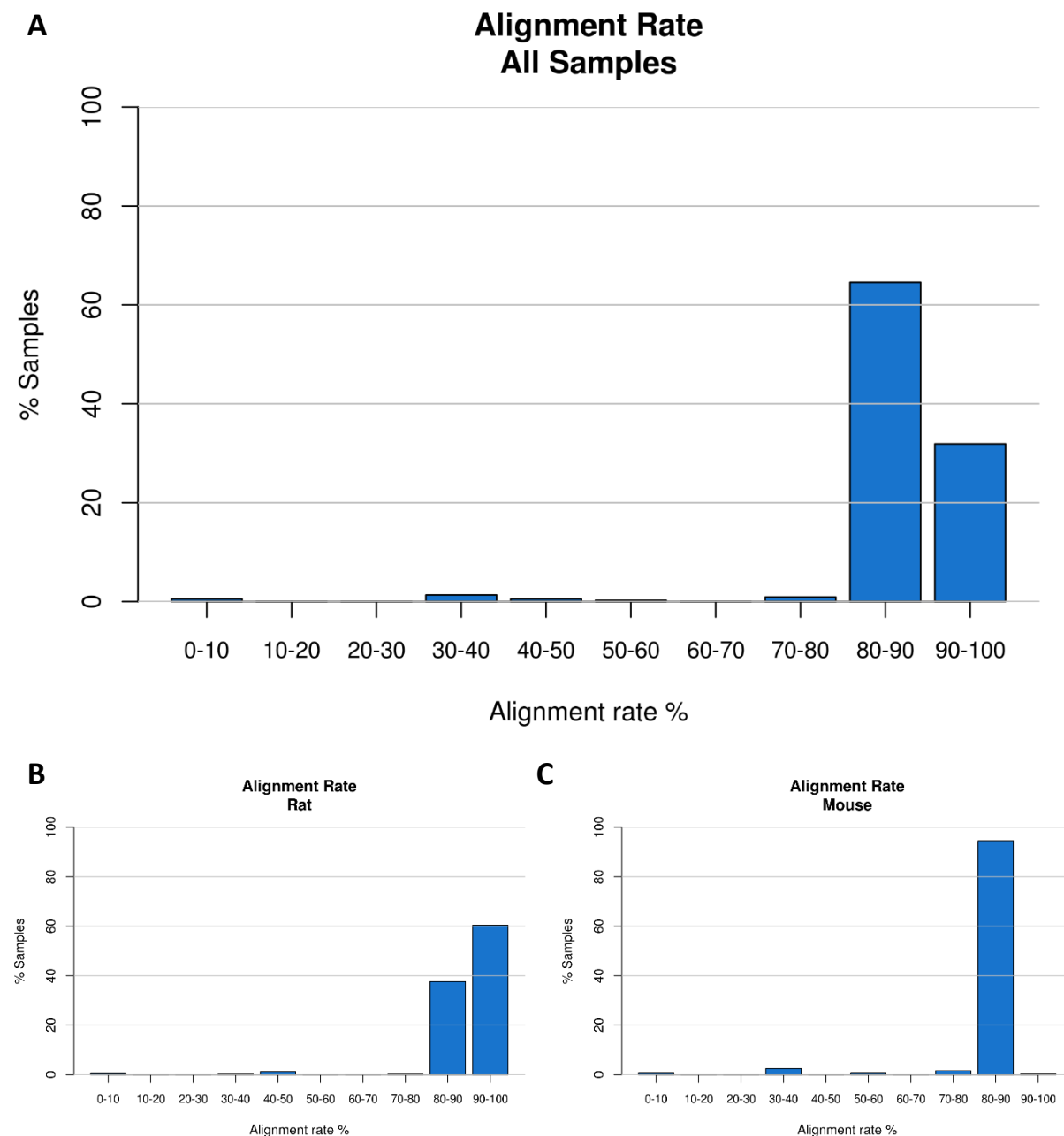


Figure 2: Distributions of the alignment rate of (A) all samples in the study, (B) rat samples, (C) mouse samples.

The majority of samples have an alignment rate >80%.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Distribution of the number of aligned reads for the samples.

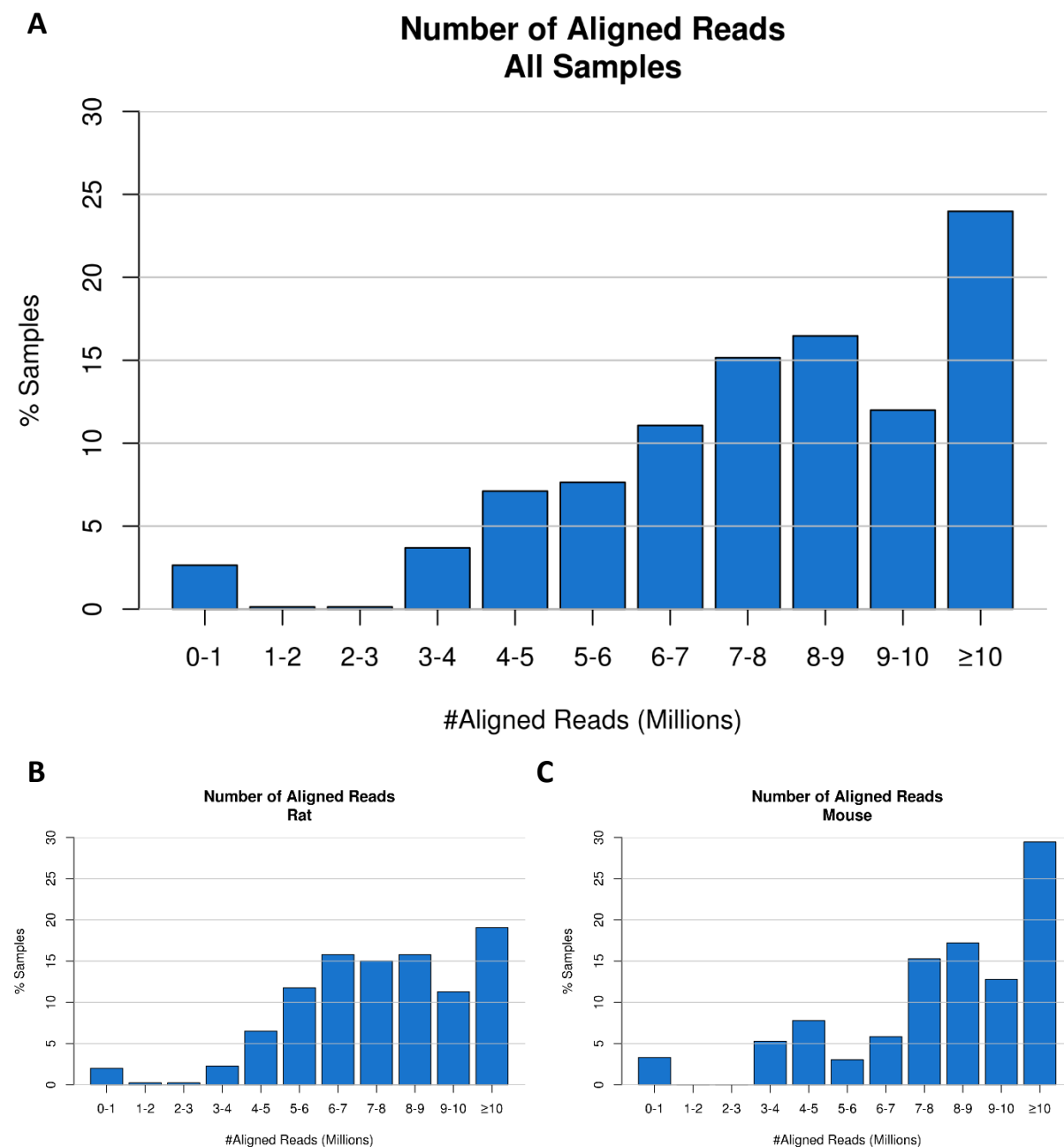


Figure 3: Distributions of the aligned reads in (A) the full study, (B) rat samples, (C) mouse samples.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Distribution of the average number of aligned reads for each sample across all probes.

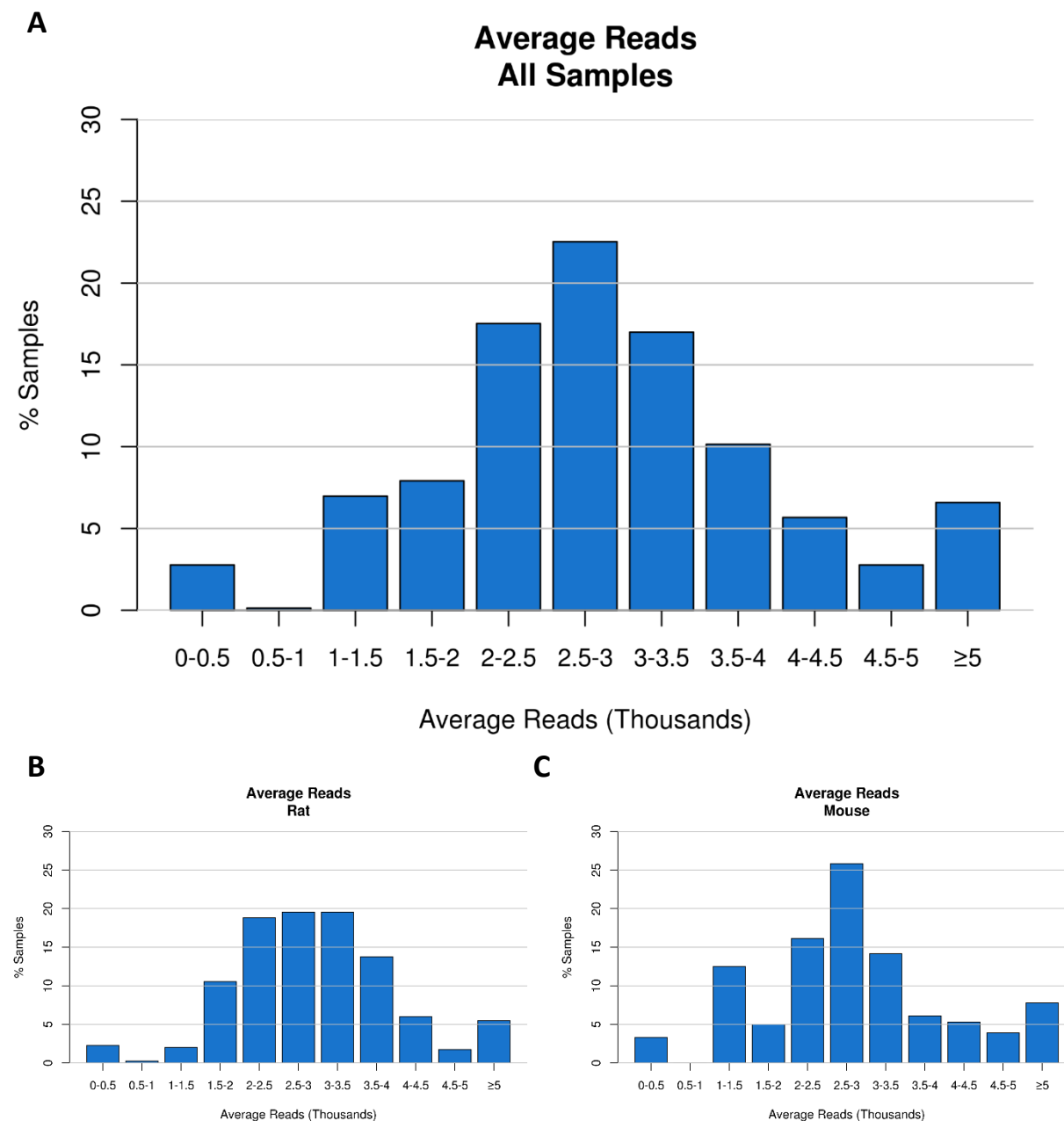


Figure 4: Distribution of the average reads per sample in (A) the full study, (B) rat samples, (C) mouse samples.

97% of samples have an average read depth ≥ 1000 .

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Quality Control Summary per Chemical

This section summarizes the number of samples that passed QC per chemical and dose.

We assigned dose codes for the different concentrations (ppm) for each species/chemical as shown in the table below.

Low dose ←————→ High dose

Species	Chemical	C0	C1	C2	C3	C4	C5	C6
Mouse	2D	0	1	10	30	100	250	-
Rat	2D	0	1	10	30	100	250	500
Mouse	4D	0	1	10	50	150	400	-
Rat	4D	0	1	10	50	150	400	800

Table 3: Concentration codes with the corresponding concentration (ppm) values for each chemical.

Table 4 describes the number of fastq files (samples) provided in this Tempo-Seq study.

Species	Tissue	Chemical	C0	C1	C2	C3	C4	C5	C6
Mouse	Heart	2D	10	5	5	5	5	7	NA
Mouse	Heart	4D	10	5	5	5	5	5	NA
Mouse	Kidney	2D	10	5	5	5	5	7	NA
Mouse	Kidney	4D	10	5	5	5	5	5	NA
Mouse	Liver	2D	10	5	5	5	5	7	NA
Mouse	Liver	4D	10	5	5	5	5	5	NA
Mouse	Lung	2D	10	5	5	5	5	7	NA
Mouse	Lung	4D	10	5	5	5	5	5	NA
Mouse	Ovary	2D	10	5	5	5	5	7	NA
Mouse	Ovary	4D	10	5	5	5	5	5	NA
Rat	Heart	2D	10	5	5	5	5	5	5
Rat	Heart	4D	10	5	5	5	5	5	5
Rat	Kidney	2D	10	5	5	5	5	5	5
Rat	Kidney	4D	10	4	5	5	5	5	5
Rat	Liver	2D	10	5	5	5	5	5	5
Rat	Liver	4D	10	5	5	5	5	5	5
Rat	Lung	2D	10	5	5	5	5	5	5
Rat	Lung	4D	10	5	5	5	5	5	5
Rat	Ovary	2D	10	5	5	5	5	5	5
Rat	Ovary	4D	10	5	5	5	5	5	5

Table 4: Number of samples per species/tissue/chemical/concentration in the study.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Table 5 summarizes the number of samples that have passed the QC criteria per concentration for each study condition. All treatment groups have at least 3 samples that have passed QC. The groups marked in **orange** are the ones where one or more samples were flagged and removed as potential outliers.

Species	Tissue	Chemical	C0	C1	C2	C3	C4	C5	C6
Mouse	Heart	2D	10	5	5	5	5	7	NA
Mouse	Heart	4D	10	5	5	5	5	5	NA
Mouse	Kidney	2D	10	4	5	5	5	7	NA
Mouse	Kidney	4D	9	5	5	5	5	5	NA
Mouse	Liver	2D	9	3	4	5	5	6	NA
Mouse	Liver	4D	7	5	4	5	5	5	NA
Mouse	Lung	2D	10	5	5	5	5	6	NA
Mouse	Lung	4D	10	5	5	5	5	5	NA
Mouse	Ovary	2D	10	5	5	5	5	7	NA
Mouse	Ovary	4D	10	5	5	5	5	5	NA
Rat	Heart	2D	10	5	5	5	5	5	5
Rat	Heart	4D	10	5	5	5	5	5	5
Rat	Kidney	2D	9	5	5	5	5	5	5
Rat	Kidney	4D	10	4	5	5	5	5	5
Rat	Liver	2D	10	5	5	5	5	5	5
Rat	Liver	4D	10	5	5	5	5	5	5
Rat	Lung	2D	10	5	5	5	5	5	4
Rat	Lung	4D	8	4	4	5	4	5	5
Rat	Ovary	2D	10	5	5	5	5	5	5
Rat	Ovary	4D	10	5	5	5	5	5	5

Table 5: Number of samples per species/tissue/chemical/concentration that passed the per sample QC criteria.

Note that, later, as part of the outlier detection workflow, we will perform Principal Component Analysis (PCA), hierarchical clustering and correlation analysis to determine the samples that can be used for a meaningful downstream analysis.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

QC Workflow

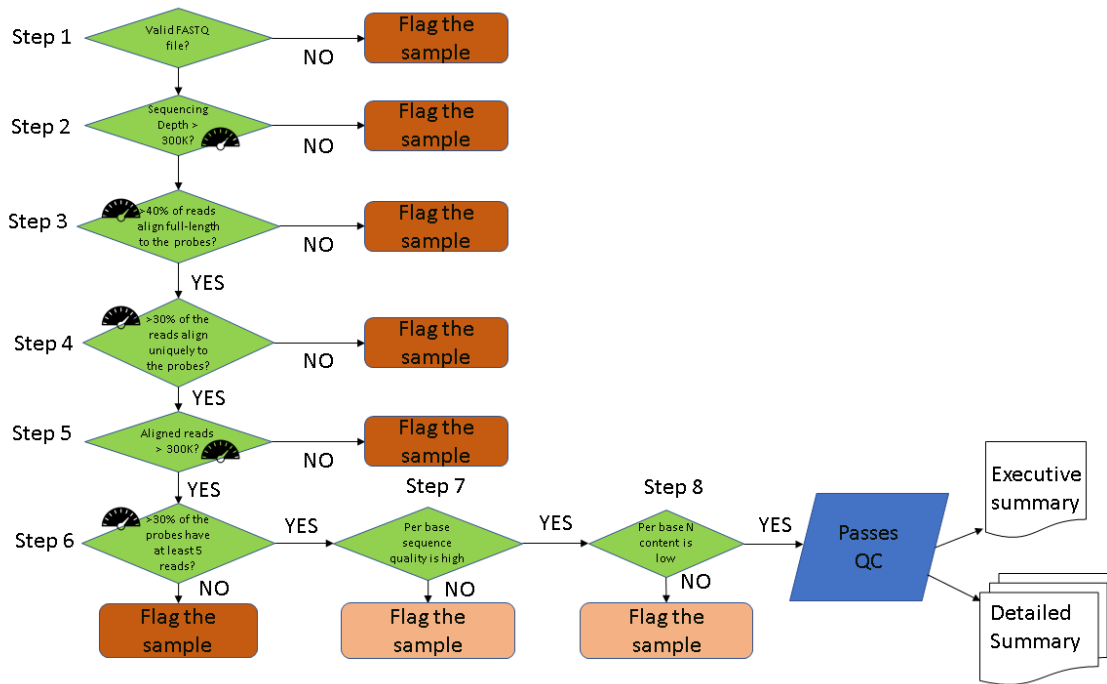


Figure 5: Sciome Tempo-Seq QC Workflow.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Details of Flagged Samples

Details of flagged samples. Red text indicates the QC metric value that is below the required threshold.

This information is also in the file “per_sample_summary.xlsx”.

Fastq file prefix	Total Sequenced Reads	%Uniquely aligned reads	Total Aligned Reads	%Probes with > 5 reads	QC outcome	Tissue	Chem	Species	Concentration Code
4DR2F102LU_S121_R1_001	5,302	43.53%	2,308	2.6	Fail	LU	4D	Rat	C1
4DR1F8LU_S119_R1_001	68,732	40.13%	27,579	25.02	Fail	LU	4D	Rat	C0
4DR5F402LU_S117_R1_001	71,582	39.63%	28,370	26.38	Fail	LU	4D	Rat	C4
4DR1F2LU_S118_R1_001	77,102	41.26%	31,810	27.2	Fail	LU	4D	Rat	C0
4DR3F204LU_S120_R1_001	94,923	42.20%	40,057	31.24	Fail	LU	4D	Rat	C2
2DM2F102LI_S30_R1_001	127,693	36.21%	46,243	24.51	Fail	LI	2D	Mouse	C1
4DM1F9LI_S63_R1_001	138,957	33.73%	46,866	25.94	Fail	LI	4D	Mouse	C0
4DM3F204LI_S66_R1_001	152,114	35.57%	54,109	26.38	Fail	LI	4D	Mouse	C2
4DM1F8LI_S65_R1_001	152,544	35.86%	54,706	27.17	Fail	LI	4D	Mouse	C0
4DM1F6LI_S64_R1_001	154,961	34.00%	52,684	25.4	Fail	LI	4D	Mouse	C0
2DM1F9LI_S26_R1_001	159,085	34.87%	55,468	27.87	Fail	LI	2D	Mouse	C0
2DM2F101LI_S28_R1_001	176,840	36.40%	64,371	29.04	Fail	LI	2D	Mouse	C1
2DM6F504LI_S29_R1_001	177,041	36.22%	64,133	28.6	Fail	LI	2D	Mouse	C5
2DM3F203LI_S27_R1_001	180,504	34.78%	62,773	28.31	Fail	LI	2D	Mouse	C2
4DM1F9KI_S57_R1_001	279,194	56.10%	156,618	47.05	Fail	KI	4D	Mouse	C0
2DR1F1KI_S78_R1_001	6,113,628	1.50%	91,705	41.82	Fail	KI	2D	Rat	C0
2DM6F505LU_S24_R1_001	8,539,325	3.23%	276,120	57.1	Fail	LU	2D	Mouse	C5
2DM2F105KI_S1_R1_001	4,803,681	4.13%	198,560	51.46	Fail	KI	2D	Mouse	C1
2DR7F601LU_S92_R1_001	1,295,653	7.52%	97,482	44.72	Fail	LU	2D	Rat	C6

Table 6: QC metrics for the flagged samples

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Plate Images of the Amplification Plates

The sample metadata contained information about the **amplification** plate and well for each sample. The plate images in figures 6-10 show the layout of the samples on the **amplification** plates.

Figures 6-10 display images for each plate showing the following information:

The Plate Image with “Total Sequenced Reads (in millions)” shows the number of sequenced reads in the fastq file for each well on the plate.

The Plate Image with the “Unique Alignment Rate (%)” shows the alignment rate for each well on the plate.

The Plate Image with “Expressed Probes (%)” shows the percentage of probes with 5 or more reads for each well on the plate.

The Plate Image with “Average Read Depth” shows the average number of raw reads across all the probes on the Biospyder platform for each well on the plate. The wells in **red** have a very low mean read count. Note that the mean read count is not being used in the tempo-seq QC workflow to flag the samples.

The Plate Image “QC outcome” shows the Pass/Fail flag based on Sciome’s QC workflow for each well on the plate. **Red** indicates **Fail** and **Green** indicates **Pass**.

There are additional Plate Images for metadata-related information including concentration code, test chemical, and species. The legend at the bottom right corner of the figures indicates the meaning of each color in the images.

The black wells in each image are wells for which a fastq file or corresponding metadata was not available.

Note that the sample metadata also contained information about the **extraction** plate and well for each sample. The plate images in [supplemental figures 1-12](#) show the layout of the samples on the **extraction** plates.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Dichlorobenzene: Plate-wise Sequencing

Plate: AMP_Lung_Plate1

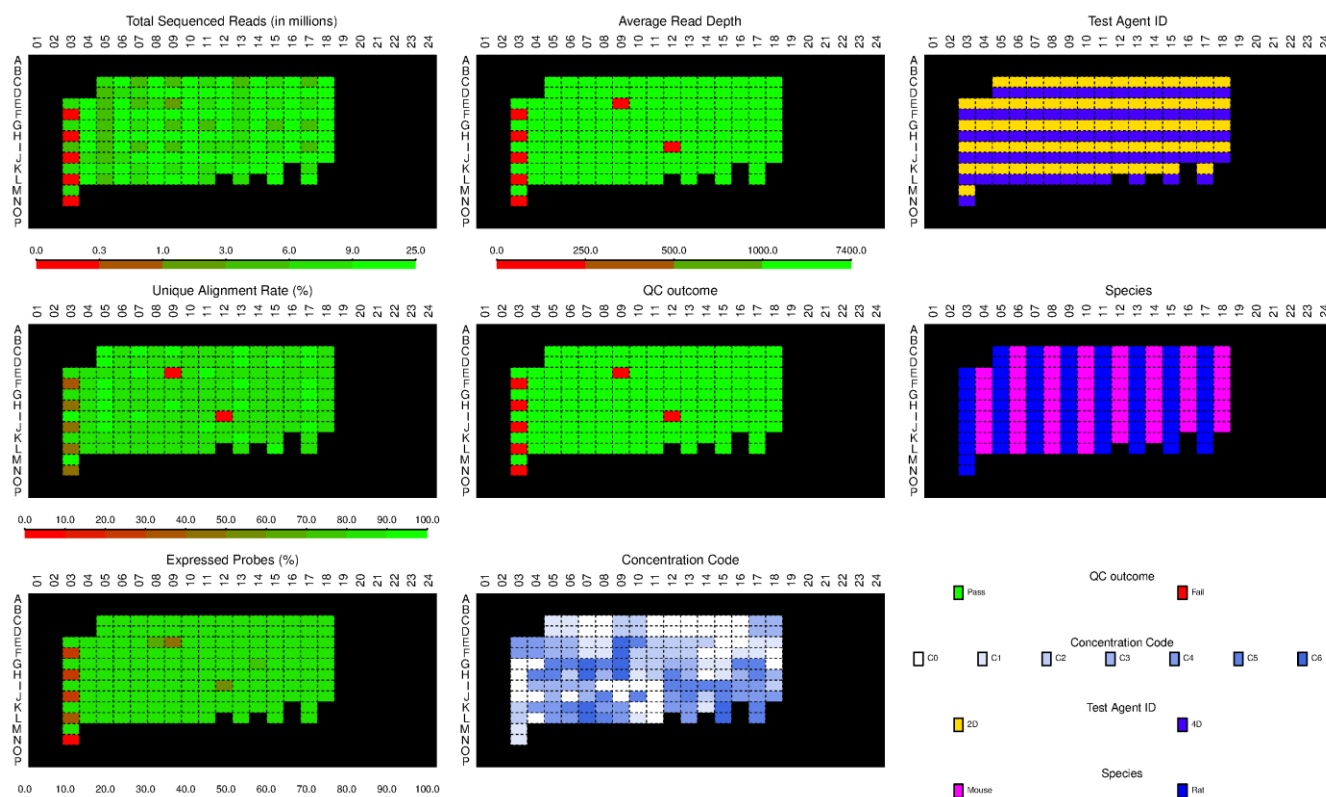


Figure 6: Plate 1: AMP_Lung_Plate1

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Dichlorobenzene: Plate-wise Sequencing

Plate: AMP_Heart_Plate2

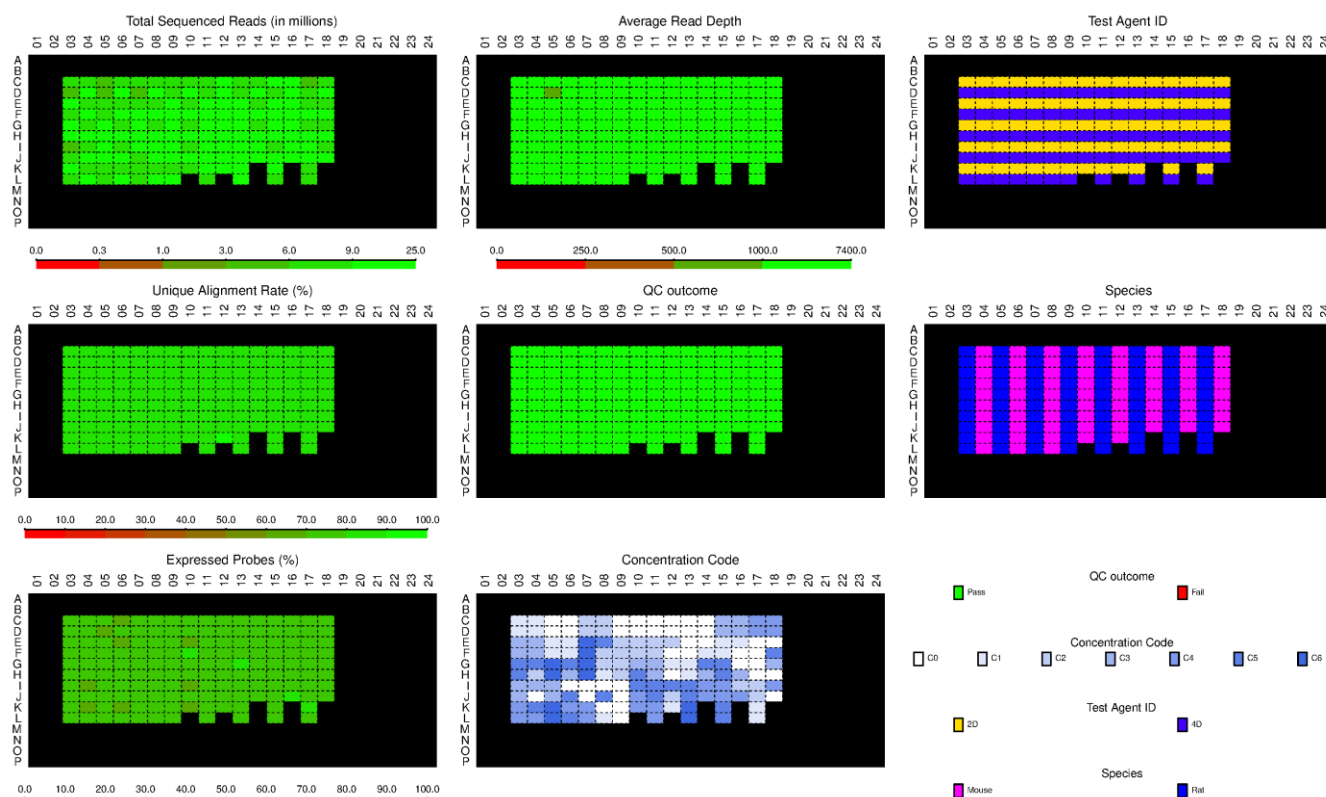


Figure 7: Plate 2: AMP_Heart_Plate2

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Dichlorobenzene: Plate-wise Sequencing

Plate: AMP_Liver_Plate3

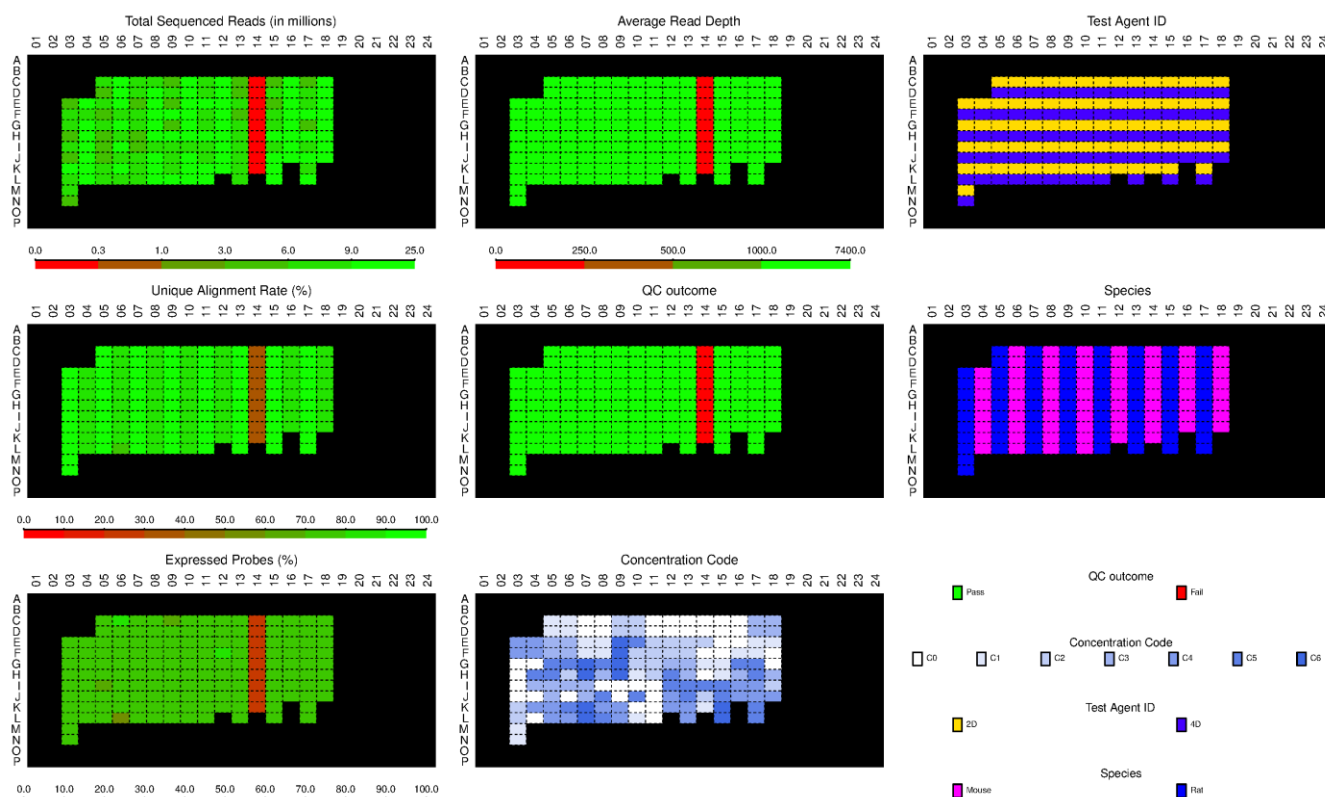


Figure 8: Plate 3: AMP_Liver_Plate3

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Dichlorobenzene: Plate-wise Sequencing

Plate: AMP_Kidney_Plate4

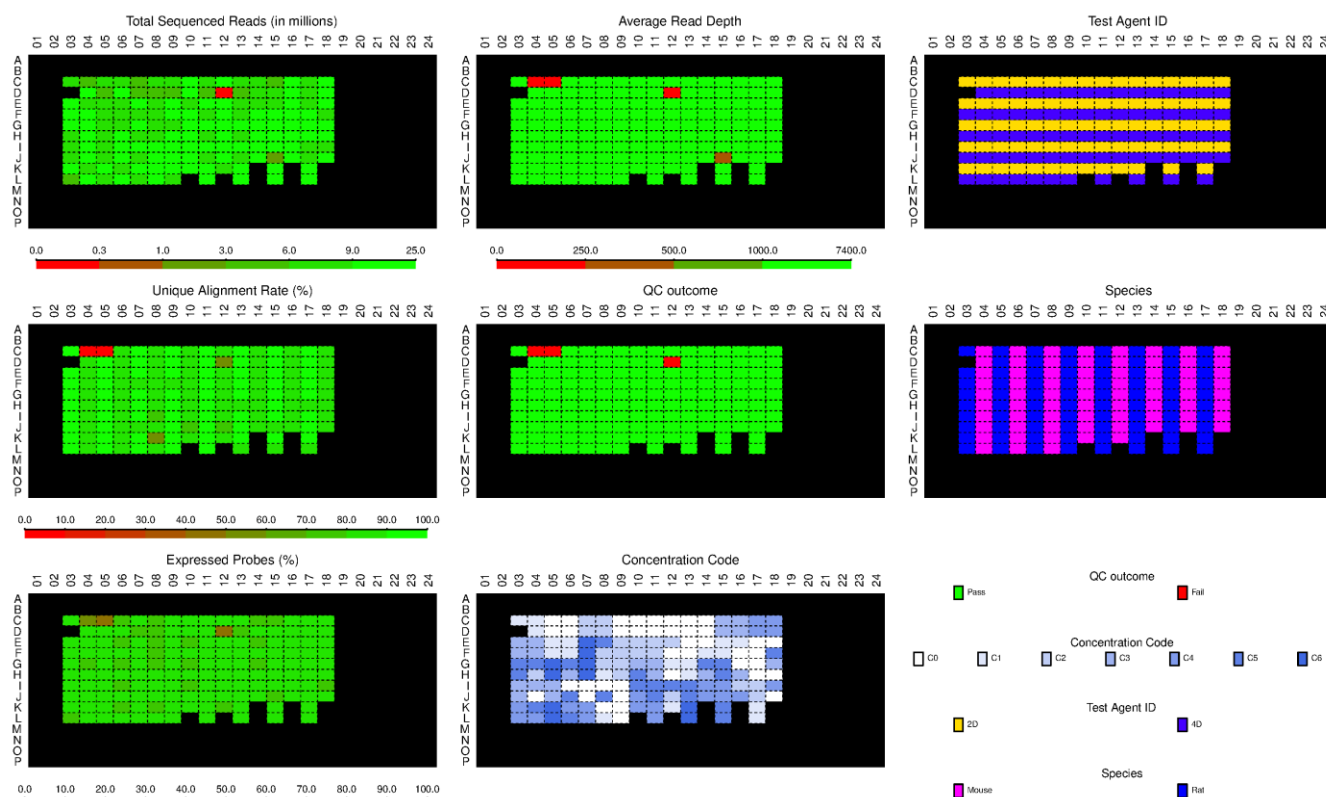


Figure 9: Plate 4: AMP_Kidney_Plate4

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Dichlorobenzene: Plate-wise Sequencing

Plate: AMP_Ovary_Plate5

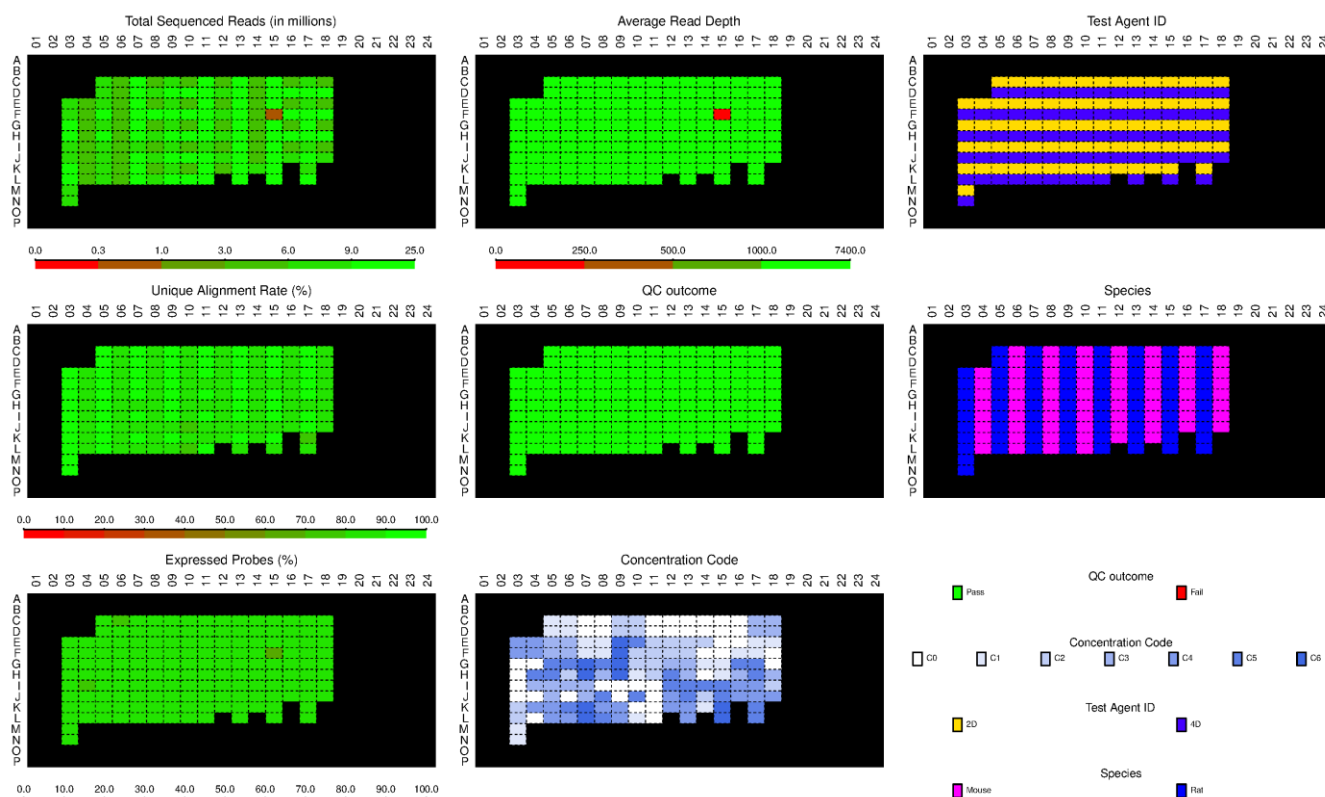


Figure 10: Plate 5: AMP_Ovary_Plate5

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Details of Passed Samples

Details of all the Passed samples (sorted by Total Aligned Reads). This information is also in the file "per_sample_summary.xlsx".

Fastq file prefix	Total Sequenced Reads	%Uniquely aligned reads	Total Aligned Reads	%Probes with > 5 reads	Average Read Count	Concentration Code	QC outcome
4DR1F6OV_S74_R1_001	669,080	81.21%	543,361	66.43	204.73	C0	Pass
4DR5F401KI_S145_R1_001	1,375,528	88.85%	1,222,197	73.10	460.51	C4	Pass
4DR1F1HE_S118_R1_001	3,056,184	86.76%	2,651,436	67.37	999.03	C0	Pass
2DM2F105OV_S88_R1_001	3,683,556	87.68%	3,229,830	79.04	1022.16	C1	Pass
2DM1F3OV_S101_R1_001	3,709,717	87.52%	3,246,916	80.94	1027.80	C0	Pass
4DR3F202KI_S122_R1_001	3,636,896	90.94%	3,307,379	79.43	1246.19	C2	Pass
4DM3F204OV_S148_R1_001	3,813,863	86.74%	3,308,019	80.34	1047.33	C2	Pass
2DM4F305OV_S91_R1_001	3,783,242	87.80%	3,321,845	80.91	1051.16	C3	Pass
2DM4F302OV_S89_R1_001	3,799,983	87.61%	3,329,121	80.63	1053.98	C3	Pass
2DR1F7LU_S94_R1_001	3,877,154	86.19%	3,341,748	80.44	1257.93	C0	Pass
2DR4F304LU_S84_R1_001	3,803,036	90.15%	3,428,277	80.44	1290.71	C3	Pass
2DM3F204OV_S120_R1_001	3,912,905	87.75%	3,433,756	81.07	1087.22	C2	Pass
4DR1F5KI_S137_R1_001	3,790,592	90.86%	3,444,028	79.92	1297.67	C0	Pass
2DM6F503OV_S90_R1_001	4,069,939	85.94%	3,497,800	80.79	1106.83	C5	Pass
2DM4F303OV_S117_R1_001	3,999,836	87.81%	3,512,176	81.14	1111.74	C3	Pass
2DM1F2OV_S85_R1_001	4,002,514	87.78%	3,513,500	80.47	1111.47	C0	Pass
2DM3F202OV_S98_R1_001	4,047,675	87.93%	3,559,197	81.90	1126.54	C2	Pass
2DM1F8OV_S119_R1_001	4,197,990	85.04%	3,570,110	81.14	1130.04	C0	Pass
2DM4F304OV_S86_R1_001	4,091,681	87.79%	3,592,061	79.90	1136.21	C3	Pass
2DM6F506ROV_S99_R1_001	4,214,430	87.55%	3,689,559	81.39	1167.54	C5	Pass
2DM3F205OV_S100_R1_001	4,255,014	87.69%	3,731,223	80.60	1180.81	C2	Pass
2DM2F103OV_S118_R1_001	4,302,715	87.14%	3,749,197	81.10	1187.27	C1	Pass
2DR4F304LI_S84_R1_001	4,052,528	92.57%	3,751,624	69.22	1412.03	C3	Pass
4DR2F105HE_S113_R1_001	4,349,306	86.37%	3,756,574	70.38	1415.44	C1	Pass
2DM6F507OV_S95_R1_001	4,518,330	83.21%	3,759,513	80.50	1189.30	C5	Pass
2DR6F501LU_S113_R1_001	4,209,394	90.13%	3,794,122	81.69	1428.86	C5	Pass
2DM1F5OV_S113_R1_001	4,335,621	87.87%	3,809,686	81.71	1206.40	C0	Pass
2DM1F7OV_S96_R1_001	4,461,789	87.81%	3,917,707	83.13	1240.22	C0	Pass
2DR4F303KI_S103_R1_001	4,302,049	91.48%	3,935,533	79.62	1482.85	C3	Pass
4DM1F7OV_S124_R1_001	4,567,689	87.32%	3,988,680	80.88	1262.55	C0	Pass
2DR3F202LU_S91_R1_001	4,429,661	90.22%	3,996,288	81.05	1504.76	C2	Pass
4DM1F3OV_S129_R1_001	4,617,281	87.62%	4,045,575	82.21	1280.53	C0	Pass
4DM5F402OV_S122_R1_001	4,614,776	87.80%	4,051,980	82.69	1282.37	C4	Pass
2DM1F1OV_S93_R1_001	4,618,072	87.92%	4,060,257	82.15	1285.82	C0	Pass
2DM5F401OV_S116_R1_001	4,636,284	87.90%	4,075,269	82.15	1290.36	C4	Pass
2DM2F104OV_S94_R1_001	4,653,242	87.62%	4,076,984	81.80	1290.78	C1	Pass
2DR6F503LU_S83_R1_001	4,566,966	90.01%	4,110,911	81.46	1547.68	C5	Pass
2DM6F501OV_S115_R1_001	4,707,966	87.56%	4,122,340	82.18	1304.49	C5	Pass
4DR2F102LI_S121_R1_001	4,423,911	93.56%	4,139,078	70.05	1558.27	C1	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

2DR4F302LU_S82_R1_001	4,624,626	89.82%	4,154,005	83.95	1564.00	C3	Pass
2DM1F60V_S114_R1_001	4,744,668	87.63%	4,157,523	80.88	1316.25	C0	Pass
4DR5F404KI_S116_R1_001	4,615,079	90.15%	4,160,531	79.35	1567.65	C4	Pass
2DM4F301OV_S105_R1_001	4,815,674	86.41%	4,161,461	81.64	1317.36	C3	Pass
2DR3F202LI_S91_R1_001	4,512,300	92.79%	4,187,011	69.82	1576.44	C2	Pass
4DM3F205OV_S128_R1_001	4,808,485	87.67%	4,215,799	81.52	1334.39	C2	Pass
2DM6F505OV_S106_R1_001	4,813,203	87.70%	4,221,105	81.93	1335.67	C5	Pass
4DM6F503OV_S123_R1_001	4,817,730	87.65%	4,222,726	83.48	1336.52	C5	Pass
2DM6F504OV_S111_R1_001	4,823,377	87.75%	4,232,315	81.77	1339.55	C5	Pass
2DM5F402OV_S84_R1_001	4,884,859	87.15%	4,257,025	81.48	1347.67	C4	Pass
2DM2F101OV_S110_R1_001	4,848,215	87.98%	4,265,666	82.24	1350.37	C1	Pass
4DM1F90V_S145_R1_001	4,957,013	87.56%	4,340,189	83.07	1373.48	C0	Pass
2DM3F201OV_S104_R1_001	4,960,352	87.75%	4,352,801	81.86	1378.06	C2	Pass
2DM6F508OV_S92_R1_001	4,976,775	87.65%	4,362,150	82.53	1380.95	C5	Pass
2DR2F101LU_S108_R1_001	4,897,873	89.76%	4,396,307	82.82	1655.56	C1	Pass
2DM3F203OV_S109_R1_001	5,060,954	87.44%	4,425,054	82.50	1400.53	C2	Pass
2DR1F8LU_S78_R1_001	4,906,790	90.39%	4,435,058	81.24	1669.59	C0	Pass
2DM1F90V_S108_R1_001	5,057,375	87.80%	4,440,486	81.64	1406.02	C0	Pass
4DR4F302LU_S123_R1_001	4,911,544	90.47%	4,443,559	81.42	1673.17	C3	Pass
4DM2F105OV_S126_R1_001	5,088,247	87.51%	4,452,895	83.20	1409.28	C1	Pass
2DR7F605LI_S93_R1_001	4,834,292	92.14%	4,454,491	74.23	1676.67	C6	Pass
4DM5F403OV_S130_R1_001	5,111,855	87.79%	4,487,806	82.47	1420.06	C4	Pass
4DM1F100V_S125_R1_001	5,127,790	87.53%	4,488,236	82.72	1420.88	C0	Pass
4DM4F302OV_S127_R1_001	5,122,322	87.88%	4,501,394	80.98	1423.73	C3	Pass
2DR3F205LU_S98_R1_001	5,111,971	89.39%	4,569,775	81.69	1720.46	C2	Pass
2DR1F11LU_S86_R1_001	5,055,224	90.45%	4,572,580	81.31	1721.35	C0	Pass
2DR2F104LU_S87_R1_001	5,093,868	90.04%	4,586,504	83.87	1726.69	C1	Pass
2DM1F100V_S102_R1_001	5,247,534	87.53%	4,592,918	82.09	1454.45	C0	Pass
2DR4F305LU_S89_R1_001	5,101,782	90.24%	4,603,772	84.33	1733.20	C3	Pass
2DM1F40V_S103_R1_001	5,331,550	87.92%	4,687,456	84.97	1484.51	C0	Pass
2DM5F404OV_S87_R1_001	5,362,623	87.70%	4,702,769	83.29	1489.01	C4	Pass
4DR1F1KI_S117_R1_001	5,197,167	90.54%	4,705,482	83.80	1772.98	C0	Pass
2DR1F9LU_S101_R1_001	5,235,839	90.32%	4,728,900	82.67	1780.53	C0	Pass
4DR2F105LI_S122_R1_001	5,134,922	92.22%	4,735,618	70.20	1783.04	C1	Pass
2DR4F303LU_S111_R1_001	5,251,450	90.25%	4,739,564	82.29	1784.65	C3	Pass
4DR4F304LU_S125_R1_001	5,251,491	90.29%	4,741,682	81.69	1785.63	C3	Pass
4DR6F503LI_S124_R1_001	5,200,221	92.42%	4,805,790	70.76	1808.53	C5	Pass
4DR2F105LU_S122_R1_001	5,357,120	90.09%	4,826,292	82.03	1816.89	C1	Pass
4DR1F4KI_S127_R1_001	5,361,583	90.92%	4,874,631	82.86	1836.70	C0	Pass
2DR5F402LI_S76_R1_001	5,263,581	92.71%	4,879,792	70.50	1837.42	C4	Pass
4DR7F602LI_S129_R1_001	5,369,846	91.09%	4,891,251	72.42	1838.62	C6	Pass
4DM1F60V_S146_R1_001	5,651,276	87.07%	4,920,504	83.51	1557.67	C0	Pass
2DR4F304HE_S76_R1_001	5,605,314	87.90%	4,926,835	71.63	1856.38	C3	Pass
4DM1F8OV_S147_R1_001	5,708,450	86.85%	4,957,962	82.94	1569.15	C0	Pass
4DR1F9LI_S142_R1_001	5,317,731	93.30%	4,961,354	71.06	1867.95	C0	Pass
2DR5F402HE_S108_R1_001	5,580,289	88.95%	4,963,812	75.21	1870.31	C4	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

2DR7F601LI_S92_R1_001	5,476,795	91.75%	5,025,133	73.78	1891.33	C6	Pass
4DR3F202HE_S123_R1_001	5,715,488	88.13%	5,036,819	73.21	1897.82	C2	Pass
4DR1F9KI_S132_R1_001	5,585,111	90.21%	5,038,481	80.90	1898.45	C0	Pass
4DR4F302LI_S123_R1_001	5,477,101	92.33%	5,056,949	71.85	1904.23	C3	Pass
4DR1F8LI_S119_R1_001	5,459,248	92.82%	5,067,128	71.29	1907.71	C0	Pass
2DR1F5LI_S106_R1_001	5,478,106	92.63%	5,074,287	71.10	1910.14	C0	Pass
2DR5F401LU_S114_R1_001	5,645,392	89.95%	5,078,188	82.55	1911.96	C4	Pass
4DM3F202KI_S48_R1_001	5,876,389	87.76%	5,157,309	79.68	1634.47	C2	Pass
2DR6F501LI_S113_R1_001	5,575,706	92.68%	5,167,313	73.70	1944.39	C5	Pass
2DR7F605LU_S93_R1_001	5,769,327	89.75%	5,178,147	82.74	1949.61	C6	Pass
2DM2F102OV_S112_R1_001	6,008,417	86.85%	5,218,512	83.10	1651.99	C1	Pass
2DM5F405OV_S97_R1_001	5,973,039	87.52%	5,227,448	81.07	1654.15	C4	Pass
2DM5F403OV_S107_R1_001	5,943,745	88.01%	5,231,169	83.86	1656.52	C4	Pass
2DR1F6LI_S107_R1_001	5,658,733	92.78%	5,250,289	71.40	1976.75	C0	Pass
2DR6F502OV_S41_R1_001	6,587,722	79.82%	5,258,050	80.93	1981.18	C5	Pass
2DR3F202KI_S83_R1_001	5,748,714	91.69%	5,271,128	82.89	1986.06	C2	Pass
2DR1F1HE_S78_R1_001	5,944,063	88.68%	5,271,491	73.55	1986.24	C0	Pass
4DR5F404LU_S126_R1_001	5,888,416	89.96%	5,297,140	82.25	1994.07	C4	Pass
4DR6F503LU_S124_R1_001	5,860,270	90.49%	5,302,947	82.78	1996.42	C5	Pass
2DR1F9LI_S101_R1_001	5,734,128	93.29%	5,349,148	72.65	2014.24	C0	Pass
2DM3F201KI_S17_R1_001	6,160,580	86.83%	5,349,386	78.25	1695.50	C2	Pass
2DR2F104LI_S87_R1_001	5,787,037	92.80%	5,370,527	72.31	2021.76	C1	Pass
2DR4F303LI_S111_R1_001	5,810,173	92.92%	5,398,972	72.16	2032.04	C3	Pass
4DR3F203LI_S143_R1_001	5,784,588	93.63%	5,416,051	73.13	2039.12	C2	Pass
4DR4F304LI_S125_R1_001	5,839,089	92.92%	5,425,850	71.40	2042.83	C3	Pass
4DR1F2LI_S118_R1_001	5,877,899	92.80%	5,454,465	71.70	2053.62	C0	Pass
2DR3F204LU_S79_R1_001	6,079,915	89.91%	5,466,241	82.89	2058.20	C2	Pass
2DR4F305LI_S89_R1_001	5,896,561	92.80%	5,472,114	72.27	2059.86	C3	Pass
2DM1F10KI_S15_R1_001	9,468,134	58.13%	5,503,840	78.22	1744.29	C0	Pass
4DR6F505LU_S145_R1_001	6,288,192	87.57%	5,506,737	81.80	2073.37	C5	Pass
2DR2F105LU_S81_R1_001	6,137,839	90.45%	5,551,930	82.29	2090.08	C1	Pass
2DR3F205KI_S90_R1_001	6,101,756	91.00%	5,552,724	82.44	2092.21	C2	Pass
2DR5F402LU_S76_R1_001	6,202,513	89.92%	5,577,107	83.61	2099.87	C4	Pass
4DR4F301LU_S144_R1_001	6,217,376	90.28%	5,613,100	83.57	2113.66	C3	Pass
4DR1F9HE_S133_R1_001	6,369,743	88.22%	5,619,348	71.78	2117.31	C0	Pass
4DR1F7KI_S125_R1_001	6,285,699	89.96%	5,654,721	82.03	2130.62	C0	Pass
2DR2F101LI_S108_R1_001	6,108,284	92.72%	5,663,614	72.27	2132.30	C1	Pass
2DM2F104HE_S7_R1_001	6,395,272	88.65%	5,669,525	69.09	1797.40	C1	Pass
2DR6F504LU_S109_R1_001	6,313,732	89.81%	5,670,531	83.53	2135.28	C5	Pass
4DR3F204LI_S120_R1_001	6,147,002	92.45%	5,682,854	71.74	2139.93	C2	Pass
4DR5F402HE_S148_R1_001	6,431,270	88.48%	5,690,243	71.97	2144.03	C4	Pass
4DR5F403LU_S146_R1_001	6,351,864	89.69%	5,696,677	83.12	2145.49	C4	Pass
2DR2F104KI_S79_R1_001	6,266,467	91.08%	5,707,494	83.01	2150.52	C1	Pass
2DR3F203LU_S102_R1_001	6,354,127	89.90%	5,712,198	83.08	2151.08	C2	Pass
2DM1F1HE_S6_R1_001	6,442,561	89.22%	5,747,880	69.66	1822.25	C0	Pass
4DR3F203LU_S143_R1_001	6,363,250	90.56%	5,762,852	83.80	2170.32	C2	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

4DR5F404LI_S126_R1_001	6,297,240	92.44%	5,821,379	72.12	2191.53	C4	Pass
2DR5F405LU_S95_R1_001	6,511,845	89.51%	5,829,066	84.44	2194.65	C4	Pass
2DM1F1KI_S6_R1_001	6,629,718	88.10%	5,840,729	79.45	1851.12	C0	Pass
4DR6F505LI_S145_R1_001	6,270,690	93.32%	5,852,041	71.89	2203.46	C5	Pass
4DM5F403LI_S48_R1_001	8,237,429	71.23%	5,867,520	56.47	1859.60	C4	Pass
2DR4F301LI_S103_R1_001	6,307,131	93.59%	5,902,903	72.49	2222.71	C3	Pass
2DR2F103LI_S112_R1_001	6,375,022	92.84%	5,918,749	71.93	2228.91	C1	Pass
2DR3F203LI_S102_R1_001	6,325,538	93.61%	5,921,038	72.57	2229.44	C2	Pass
2DM6F507HE_S8_R1_001	6,696,881	88.75%	5,943,443	71.15	1884.25	C5	Pass
2DR2F102LU_S80_R1_001	6,595,583	90.15%	5,946,223	83.38	2238.33	C1	Pass
2DR1F1LI_S86_R1_001	6,401,502	92.99%	5,952,836	73.74	2241.24	C0	Pass
2DR5F401LI_S114_R1_001	6,415,603	92.87%	5,958,098	72.34	2242.79	C4	Pass
4DR4F303HE_S143_R1_001	6,818,015	88.07%	6,004,520	73.29	2262.44	C3	Pass
2DR3F201LU_S97_R1_001	6,673,479	90.10%	6,012,781	82.74	2263.71	C2	Pass
4DR7F605KI_S124_R1_001	6,666,153	90.44%	6,028,742	83.31	2271.56	C6	Pass
2DR1F9KI_S93_R1_001	6,600,045	91.38%	6,031,195	83.38	2272.49	C0	Pass
4DR1F9LU_S142_R1_001	6,680,739	90.34%	6,035,076	83.35	2272.47	C0	Pass
4DR1F5HE_S138_R1_001	6,864,939	87.95%	6,037,371	72.42	2274.82	C0	Pass
2DM3F202KI_S11_R1_001	6,959,004	87.35%	6,078,625	79.68	1926.63	C2	Pass
2DM5F405HE_S10_R1_001	6,810,681	89.29%	6,081,201	68.80	1927.91	C4	Pass
4DR5F402LI_S117_R1_001	6,539,790	93.04%	6,084,927	71.78	2291.29	C4	Pass
2DR4F305KI_S81_R1_001	6,681,923	91.38%	6,105,978	83.35	2300.65	C3	Pass
2DM1F6KI_S27_R1_001	7,008,704	87.36%	6,122,769	79.74	1940.63	C0	Pass
2DR1F10HE_S92_R1_001	6,956,030	88.12%	6,129,769	72.42	2309.63	C0	Pass
2DM1F4HE_S16_R1_001	6,902,732	88.89%	6,135,531	72.92	1945.11	C0	Pass
2DR1F7LI_S94_R1_001	6,589,255	93.23%	6,143,002	71.93	2313.20	C0	Pass
2DR1F2HE_S109_R1_001	6,946,586	88.52%	6,149,067	75.47	2316.91	C0	Pass
4DR5F405KI_S126_R1_001	6,806,073	90.48%	6,158,474	84.51	2320.44	C4	Pass
2DR5F404LU_S85_R1_001	6,876,423	89.71%	6,168,874	83.61	2322.38	C4	Pass
4DR4F301LI_S144_R1_001	6,645,246	93.25%	6,196,608	71.40	2333.39	C3	Pass
4DR5F402OV_S43_R1_001	6,781,400	91.39%	6,197,469	83.69	2335.14	C4	Pass
2DR1F4LU_S96_R1_001	6,892,882	89.98%	6,201,890	83.69	2334.94	C0	Pass
4DR5F402KI_S147_R1_001	6,764,658	91.74%	6,205,657	82.03	2338.23	C4	Pass
2DR2F102HE_S112_R1_001	7,012,773	88.51%	6,206,938	80.56	2338.71	C1	Pass
2DR6F502LI_S115_R1_001	6,741,421	92.40%	6,229,196	76.04	2344.32	C5	Pass
2DR6F503LI_S83_R1_001	6,726,982	92.89%	6,248,816	74.42	2351.53	C5	Pass
2DR4F302LI_S82_R1_001	6,734,259	92.90%	6,255,830	73.89	2355.32	C3	Pass
4DR7F603KI_S121_R1_001	6,904,357	90.67%	6,259,909	82.25	2358.65	C6	Pass
2DM2F102KI_S25_R1_001	7,154,957	87.64%	6,270,786	79.71	1987.55	C1	Pass
2DR7F603LI_S90_R1_001	6,844,562	91.67%	6,274,291	77.17	2361.38	C6	Pass
2DR2F105HE_S73_R1_001	7,156,972	88.56%	6,338,015	73.70	2388.10	C1	Pass
4DR4F305KI_S120_R1_001	6,981,579	90.87%	6,344,027	82.55	2390.31	C3	Pass
4DR2F105OV_S48_R1_001	7,007,011	90.92%	6,370,819	83.80	2400.46	C1	Pass
4DR1F5LI_S147_R1_001	6,914,050	92.51%	6,395,899	72.27	2408.33	C0	Pass
2DM2F104KI_S7_R1_001	7,274,818	88.01%	6,402,602	79.20	2029.25	C1	Pass
2DM6F506RKI_S12_R1_001	7,461,348	85.87%	6,407,243	77.84	2030.89	C5	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

4DR6F505KI_S135_R1_001	7,099,031	90.36%	6,414,461	84.10	2416.90	C5	Pass
2DR1F3LU_S99_R1_001	7,205,128	89.33%	6,436,679	83.20	2423.41	C0	Pass
2DR1F6LU_S107_R1_001	7,272,138	88.83%	6,459,851	84.55	2432.25	C0	Pass
4DM5F401OV_S144_R1_001	7,924,893	81.60%	6,466,664	84.62	2046.68	C4	Pass
2DR1F2LU_S77_R1_001	7,221,982	89.58%	6,469,515	82.67	2435.55	C0	Pass
4DR1F1LI_S127_R1_001	7,050,084	92.03%	6,487,913	73.32	2442.96	C0	Pass
2DR7F602LU_S88_R1_001	7,216,404	89.95%	6,490,991	83.65	2443.86	C6	Pass
2DM5F405KI_S10_R1_001	7,370,186	88.09%	6,492,710	79.11	2057.84	C4	Pass
4DR2F104HE_S119_R1_001	7,379,449	88.02%	6,495,334	73.13	2447.38	C1	Pass
4DR4F301KI_S134_R1_001	7,227,967	90.03%	6,507,314	83.04	2451.89	C3	Pass
2DR2F105KI_S73_R1_001	7,106,670	91.61%	6,510,761	82.67	2453.19	C1	Pass
2DR7F602KI_S80_R1_001	7,162,404	91.18%	6,530,784	81.76	2460.73	C6	Pass
2DR2F105LI_S81_R1_001	7,024,331	92.99%	6,531,689	72.95	2459.59	C1	Pass
4DR7F601KI_S123_R1_001	7,313,602	89.48%	6,544,512	82.14	2465.89	C6	Pass
2DR1F5LU_S106_R1_001	7,314,177	89.61%	6,554,204	83.42	2467.93	C0	Pass
2DR6F504LI_S109_R1_001	7,062,715	92.87%	6,559,122	75.70	2468.67	C5	Pass
2DM1F7HE_S9_R1_001	7,377,600	88.96%	6,563,460	70.29	2080.82	C0	Pass
2DM2F104LU_S12_R1_001	7,770,648	85.09%	6,612,012	69.63	2095.73	C1	Pass
2DR6F505LU_S104_R1_001	7,399,947	89.43%	6,617,439	83.31	2491.91	C5	Pass
2DR4F302OV_S8_R1_001	7,274,799	91.09%	6,626,896	82.78	2496.95	C3	Pass
2DR1F4HE_S88_R1_001	7,490,364	88.68%	6,642,115	74.57	2502.68	C0	Pass
2DR1F5KI_S98_R1_001	7,250,043	91.67%	6,645,787	82.37	2504.06	C0	Pass
2DM6F503HE_S3_R1_001	7,464,852	89.04%	6,647,058	70.42	2107.32	C5	Pass
2DM6F507KI_S8_R1_001	7,572,374	87.84%	6,651,517	79.49	2108.17	C5	Pass
4DR2F102OV_S47_R1_001	7,227,410	92.05%	6,652,901	82.78	2506.74	C1	Pass
2DR2F103LU_S112_R1_001	7,472,860	89.03%	6,653,252	84.55	2504.76	C1	Pass
2DM6F508HE_S5_R1_001	7,436,886	89.57%	6,661,003	69.40	2111.75	C5	Pass
2DR7F601HE_S84_R1_001	7,554,432	88.23%	6,664,993	74.94	2511.30	C6	Pass
2DR1F7OV_S20_R1_001	7,358,898	90.66%	6,671,349	83.12	2513.70	C0	Pass
4DR4F303KI_S142_R1_001	7,338,396	91.00%	6,677,656	82.74	2516.07	C3	Pass
4DR6F504KI_S140_R1_001	7,434,896	90.11%	6,699,844	82.25	2524.42	C5	Pass
4DM4F301OV_S133_R1_001	8,014,870	83.82%	6,718,040	84.27	2126.95	C3	Pass
4DR5F403HE_S137_R1_001	7,605,219	88.35%	6,719,511	75.06	2531.84	C4	Pass
4DR5F404HE_S117_R1_001	7,688,949	87.44%	6,723,495	72.87	2533.34	C4	Pass
4DM6F502OV_S135_R1_001	7,678,842	87.63%	6,729,099	84.91	2130.56	C5	Pass
4DM3F201KI_S49_R1_001	8,035,177	84.32%	6,775,372	79.84	2147.30	C2	Pass
2DR6F502LU_S115_R1_001	7,548,687	89.90%	6,786,082	83.84	2555.20	C5	Pass
2DM1F7LI_S14_R1_001	7,693,951	88.30%	6,793,436	73.18	2153.30	C0	Pass
2DR7F603LU_S90_R1_001	7,647,655	88.89%	6,797,838	83.46	2559.66	C6	Pass
2DR4F304OV_S10_R1_001	7,491,218	90.94%	6,812,602	84.93	2566.92	C3	Pass
4DR3F203KI_S133_R1_001	7,548,944	90.37%	6,821,981	83.99	2570.44	C2	Pass
4DR3F201LI_S138_R1_001	7,384,433	92.40%	6,822,857	73.81	2569.16	C2	Pass
2DR3F202HE_S83_R1_001	7,715,201	88.58%	6,834,172	74.34	2575.05	C2	Pass
4DM6F505OV_S134_R1_001	7,854,437	87.29%	6,856,139	86.05	2169.64	C5	Pass
2DM5F403HE_S20_R1_001	7,645,225	89.91%	6,873,617	69.28	2179.18	C4	Pass
2DR7F602LI_S88_R1_001	7,516,583	91.66%	6,889,988	76.64	2593.41	C6	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

4DR2F104LI_S128_R1_001	7,488,465	92.07%	6,894,899	74.00	2596.36	C1	Pass
2DM3F201HE_S17_R1_001	7,811,651	89.16%	6,964,613	69.59	2208.04	C2	Pass
2DR2F104HE_S79_R1_001	7,872,448	88.69%	6,981,964	76.19	2630.73	C1	Pass
4DR7F602KI_S119_R1_001	7,690,558	90.79%	6,982,408	82.52	2630.90	C6	Pass
4DR1F6KI_S138_R1_001	7,758,384	90.24%	7,001,009	82.86	2637.88	C0	Pass
2DM6F506RHE_S12_R1_001	7,898,770	89.06%	7,034,743	70.23	2230.22	C5	Pass
2DM5F404HE_S37_R1_001	7,905,924	89.11%	7,045,349	71.21	2233.57	C4	Pass
4DR5F403LI_S146_R1_001	7,550,349	93.37%	7,049,484	75.28	2654.06	C4	Pass
4DR4F305LI_S130_R1_001	7,682,083	92.11%	7,076,325	74.04	2664.53	C3	Pass
4DR4F304HE_S116_R1_001	8,078,160	87.62%	7,077,851	72.83	2666.86	C3	Pass
2DM5F402HE_S34_R1_001	7,945,025	89.15%	7,083,325	75.65	2245.50	C4	Pass
4DM2F101KI_S50_R1_001	8,347,770	85.30%	7,120,881	82.59	2256.77	C1	Pass
2DM6F501HE_S28_R1_001	8,140,573	87.58%	7,129,784	76.32	2260.27	C5	Pass
2DM1F1LI_S11_R1_001	8,153,404	87.63%	7,144,871	73.21	2264.70	C0	Pass
2DM1F2HE_S35_R1_001	8,065,117	88.80%	7,162,134	72.67	2270.60	C0	Pass
4DR4F304KI_S115_R1_001	7,884,903	90.86%	7,164,070	83.38	2699.34	C3	Pass
2DM2F105HE_S1_R1_001	8,059,191	89.12%	7,182,472	71.24	2277.00	C1	Pass
2DR1F3LI_S99_R1_001	7,735,502	93.07%	7,199,371	73.13	2710.49	C0	Pass
2DR1F5HE_S98_R1_001	8,090,203	89.06%	7,205,320	75.32	2714.89	C0	Pass
4DR1F10KI_S131_R1_001	7,994,374	90.14%	7,206,151	83.99	2715.20	C0	Pass
2DR1F8LI_S78_R1_001	7,705,809	93.62%	7,214,428	73.59	2716.80	C0	Pass
4DM1F1OV_S131_R1_001	8,221,872	87.90%	7,226,654	85.70	2287.10	C0	Pass
2DR6F503OV_S9_R1_001	7,915,717	91.38%	7,233,337	83.27	2725.45	C5	Pass
2DR1F4KI_S88_R1_001	7,903,675	91.63%	7,242,014	83.04	2728.71	C0	Pass
2DM6F508KI_S5_R1_001	8,199,088	88.41%	7,249,175	80.25	2297.77	C5	Pass
4DR5F405HE_S127_R1_001	8,279,971	87.58%	7,251,485	72.98	2732.28	C4	Pass
4DM4F302LI_S45_R1_001	8,318,439	87.23%	7,255,992	74.57	2299.95	C3	Pass
2DM5F404KI_S37_R1_001	8,364,442	86.77%	7,257,546	79.99	2300.17	C4	Pass
2DR4F301LU_S103_R1_001	8,151,104	89.28%	7,277,181	84.25	2740.20	C3	Pass
2DR3F202OV_S17_R1_001	7,977,029	91.35%	7,287,023	85.31	2745.68	C2	Pass
4DR2F104KI_S118_R1_001	8,010,075	90.99%	7,288,117	85.34	2746.09	C1	Pass
2DR5F402KI_S108_R1_001	7,928,064	91.93%	7,288,642	83.91	2746.28	C4	Pass
2DR5F401HE_S106_R1_001	8,271,099	88.17%	7,292,388	74.00	2747.70	C4	Pass
4DR1F7HE_S126_R1_001	8,257,658	88.32%	7,293,031	77.77	2747.94	C0	Pass
2DR4F305OV_S15_R1_001	8,022,674	91.00%	7,300,604	81.80	2750.79	C3	Pass
4DM1F3LI_S47_R1_001	8,287,246	88.10%	7,301,266	73.68	2314.39	C0	Pass
2DM4F304HE_S36_R1_001	8,234,437	88.79%	7,311,238	71.85	2317.90	C3	Pass
4DR4F304OV_S51_R1_001	8,046,407	91.05%	7,326,313	81.61	2760.48	C3	Pass
2DM1F3LI_S19_R1_001	8,365,461	87.66%	7,333,300	73.40	2324.41	C0	Pass
2DR1F8HE_S110_R1_001	8,341,703	87.99%	7,339,712	74.23	2765.53	C0	Pass
4DM6F503KI_S70_R1_001	8,396,257	87.43%	7,341,208	81.96	2326.62	C5	Pass
2DR3F204KI_S111_R1_001	8,053,107	91.27%	7,349,706	85.38	2769.28	C2	Pass
4DR7F603HE_S122_R1_001	8,377,021	87.78%	7,353,316	72.95	2770.65	C6	Pass
4DM5F405OV_S156_R1_001	8,450,030	87.08%	7,358,138	84.34	2329.43	C4	Pass
2DR1F2LI_S77_R1_001	7,936,278	93.01%	7,381,743	73.89	2779.32	C0	Pass
2DR4F304KI_S76_R1_001	8,047,880	91.72%	7,381,811	83.76	2781.39	C3	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

2DR5F401OV_S40_R1_001	8,217,173	90.18%	7,410,544	83.53	2792.22	C4	Pass
2DM4F302HE_S2_R1_001	8,304,193	89.25%	7,411,503	70.10	2349.69	C3	Pass
2DR1F9HE_S93_R1_001	8,390,863	88.33%	7,411,641	75.40	2792.63	C0	Pass
4DM3F205LI_S46_R1_001	8,412,550	88.20%	7,420,149	73.94	2352.07	C2	Pass
2DR1F6KI_S99_R1_001	8,130,874	91.28%	7,421,538	84.63	2796.36	C0	Pass
4DM2F105LU_S44_R1_001	8,478,924	87.60%	7,427,677	81.77	2354.06	C1	Pass
4DR1F4HE_S128_R1_001	8,504,017	87.36%	7,429,255	76.22	2799.27	C0	Pass
2DM4F302KI_S2_R1_001	8,479,806	87.63%	7,431,135	80.44	2355.28	C3	Pass
2DR5F405OV_S21_R1_001	8,180,976	90.94%	7,439,760	84.66	2803.22	C4	Pass
4DM1F3LU_S47_R1_001	8,479,492	87.74%	7,439,833	82.24	2357.95	C0	Pass
4DM1F4OV_S141_R1_001	8,534,513	87.25%	7,445,977	85.29	2355.66	C0	Pass
2DR6F505LI_S104_R1_001	7,963,830	93.56%	7,451,050	75.96	2803.13	C5	Pass
2DR5F404OV_S11_R1_001	8,167,762	91.30%	7,457,217	81.99	2809.80	C4	Pass
2DM6F505HE_S19_R1_001	8,496,174	88.69%	7,535,320	69.75	2388.94	C5	Pass
2DR2F105OV_S7_R1_001	8,233,660	91.61%	7,542,445	83.31	2841.92	C1	Pass
4DM3F203OV_S142_R1_001	8,634,937	87.50%	7,555,210	86.02	2391.02	C2	Pass
4DR1F4LI_S137_R1_001	8,176,225	92.46%	7,560,119	74.11	2846.83	C0	Pass
4DM6F501OV_S143_R1_001	8,738,338	86.55%	7,563,366	85.45	2394.62	C5	Pass
2DR3F205LI_S98_R1_001	8,163,234	92.70%	7,567,536	73.78	2849.14	C2	Pass
4DR2F101KI_S139_R1_001	8,455,921	89.73%	7,587,747	84.82	2858.98	C1	Pass
2DM1F5HE_S26_R1_001	8,531,989	89.13%	7,604,657	75.68	2410.80	C0	Pass
2DM1F5KI_S26_R1_001	8,617,065	88.36%	7,613,799	74.89	2413.67	C0	Pass
4DR1F7LI_S135_R1_001	8,388,357	90.77%	7,613,845	73.89	2866.83	C0	Pass
2DM3F205KI_S13_R1_001	8,896,833	85.92%	7,643,996	78.92	2422.72	C2	Pass
2DM3F205HE_S13_R1_001	8,623,343	88.66%	7,645,329	73.72	2423.73	C2	Pass
2DM1F10HE_S15_R1_001	8,583,624	89.35%	7,669,406	71.59	2431.42	C0	Pass
4DR4F302HE_S114_R1_001	8,763,625	87.55%	7,672,776	74.87	2891.02	C3	Pass
4DM5F404OV_S152_R1_001	8,768,398	87.53%	7,674,894	86.08	2428.64	C4	Pass
2DR1F2KI_S109_R1_001	8,438,433	91.19%	7,695,017	83.42	2899.40	C0	Pass
4DM6F504OV_S139_R1_001	10,083,093	76.32%	7,695,378	86.59	2435.29	C5	Pass
4DM1F5KI_S61_R1_001	8,753,335	88.07%	7,709,115	80.03	2443.22	C0	Pass
4DR2F102HE_S152_R1_001	8,764,756	87.96%	7,709,476	75.96	2904.85	C1	Pass
2DM4F301HE_S18_R1_001	8,662,051	89.18%	7,724,545	70.48	2448.94	C3	Pass
2DM3F202HE_S11_R1_001	8,653,706	89.43%	7,739,202	70.61	2453.59	C2	Pass
4DM2F104KI_S44_R1_001	8,796,267	88.03%	7,743,669	81.74	2454.29	C1	Pass
2DR7F603HE_S82_R1_001	8,784,050	88.18%	7,745,888	75.06	2918.57	C6	Pass
4DR6F503KI_S114_R1_001	8,541,570	90.77%	7,752,937	82.48	2921.22	C5	Pass
4DR5F404OV_S52_R1_001	8,539,691	90.91%	7,763,734	83.12	2925.30	C4	Pass
2DR7F601OV_S18_R1_001	8,564,666	90.69%	7,767,550	84.17	2926.73	C6	Pass
2DM1F3KI_S14_R1_001	10,778,911	72.12%	7,773,222	81.36	2463.68	C0	Pass
2DR2F102OV_S6_R1_001	8,497,862	91.63%	7,786,673	84.14	2933.94	C1	Pass
2DM4F305HE_S4_R1_001	8,733,316	89.22%	7,791,455	69.88	2470.16	C3	Pass
2DR2F102LI_S80_R1_001	8,367,111	93.34%	7,810,182	74.83	2940.73	C1	Pass
4DM1F7LU_S42_R1_001	8,788,300	88.89%	7,812,149	82.37	2475.91	C0	Pass
2DR5F402OV_S2_R1_001	8,591,340	91.08%	7,825,228	84.97	2948.46	C4	Pass
4DM5F402LI_S40_R1_001	8,890,021	88.14%	7,835,907	75.08	2483.72	C4	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

2DR1F10LU_S100_R1_001	8,920,445	87.91%	7,841,541	83.99	2952.14	C0	Pass
2DR5F405LI_S95_R1_001	8,476,292	92.56%	7,845,505	74.38	2953.54	C4	Pass
4DR3F204KI_S150_R1_001	8,656,432	90.79%	7,858,791	84.10	2961.10	C2	Pass
4DR1F11LU_S127_R1_001	8,752,966	89.90%	7,869,213	83.84	2962.91	C0	Pass
2DM4F305KI_S4_R1_001	9,039,421	87.11%	7,873,812	80.50	2495.65	C3	Pass
2DR5F405HE_S87_R1_001	8,971,138	87.80%	7,876,368	74.27	2967.73	C4	Pass
4DR6F502HE_S147_R1_001	8,961,759	87.91%	7,878,724	74.53	2968.62	C5	Pass
2DR1F8OV_S4_R1_001	8,734,674	90.34%	7,891,284	86.06	2973.35	C0	Pass
2DM1F7KI_S9_R1_001	9,021,366	87.67%	7,908,862	79.42	2506.67	C0	Pass
2DM2F103KI_S31_R1_001	9,058,013	87.44%	7,920,130	82.47	2510.14	C1	Pass
2DM2F105LI_S6_R1_001	9,047,343	87.59%	7,924,190	81.93	2511.66	C1	Pass
2DM1F6HE_S27_R1_001	8,892,138	89.15%	7,927,234	74.06	2513.16	C0	Pass
2DR5F404HE_S77_R1_001	9,003,175	88.18%	7,939,145	74.76	2991.39	C4	Pass
2DR1F3OV_S25_R1_001	8,740,851	90.83%	7,939,659	83.61	2991.58	C0	Pass
2DM6F508LI_S10_R1_001	9,003,340	88.26%	7,946,160	78.00	2518.26	C5	Pass
2DM3F205LI_S18_R1_001	9,009,515	88.28%	7,953,334	73.30	2521.09	C2	Pass
4DM2F103OV_S150_R1_001	9,041,831	87.97%	7,954,056	86.08	2517.97	C1	Pass
4DR1F10LU_S141_R1_001	8,951,979	88.87%	7,956,002	84.97	2995.75	C0	Pass
2DM5F401LI_S34_R1_001	9,219,646	86.31%	7,957,690	75.14	2522.34	C4	Pass
2DR2F103KI_S104_R1_001	8,750,042	91.10%	7,971,450	84.63	3003.56	C1	Pass
4DR6F502KI_S146_R1_001	9,007,244	88.53%	7,974,366	83.12	3004.66	C5	Pass
2DM4F304LI_S4_R1_001	9,049,833	88.12%	7,974,844	72.80	2527.89	C3	Pass
4DR7F603LI_S131_R1_001	8,690,104	91.77%	7,975,062	77.43	2998.92	C6	Pass
4DM1F7KI_S71_R1_001	9,618,710	82.98%	7,982,060	81.01	2529.81	C0	Pass
2DM4F303KI_S30_R1_001	9,077,292	87.95%	7,983,692	80.94	2530.38	C3	Pass
2DM1F4KI_S16_R1_001	9,116,074	87.69%	7,993,783	83.32	2533.65	C0	Pass
4DM5F403KI_S42_R1_001	9,055,750	88.28%	7,994,818	80.94	2533.83	C4	Pass
4DM2F102OV_S140_R1_001	10,492,566	76.39%	8,015,271	84.53	2537.72	C1	Pass
4DR7F603LU_S131_R1_001	8,963,280	89.43%	8,015,584	85.04	3019.16	C6	Pass
2DM5F402KI_S34_R1_001	9,133,634	88.00%	8,037,536	80.37	2547.43	C4	Pass
2DM4F302LI_S7_R1_001	9,176,564	87.59%	8,037,653	73.46	2547.84	C3	Pass
4DM2F104OV_S132_R1_001	9,198,358	87.57%	8,054,546	85.42	2550.34	C1	Pass
4DR4F303LI_S152_R1_001	8,688,406	92.72%	8,055,851	75.09	3032.79	C3	Pass
4DM4F305KI_S67_R1_001	9,167,635	87.91%	8,058,815	80.88	2554.03	C3	Pass
2DM5F401KI_S29_R1_001	9,725,035	82.87%	8,058,894	81.61	2554.20	C4	Pass
2DM6F506RLI_S17_R1_001	9,193,671	87.67%	8,060,048	76.00	2553.89	C5	Pass
2DM2F104LI_S12_R1_001	9,191,665	87.76%	8,066,634	74.79	2556.94	C1	Pass
4DR7F602HE_S120_R1_001	9,210,122	87.63%	8,071,152	73.74	3041.13	C6	Pass
2DM1F8LI_S37_R1_001	9,122,929	88.49%	8,072,510	75.43	2558.74	C0	Pass
2DM5F405LI_S15_R1_001	9,143,794	88.30%	8,074,229	74.92	2559.32	C4	Pass
4DR4F305LU_S130_R1_001	9,223,995	87.56%	8,076,952	85.34	3041.38	C3	Pass
2DR5F404LI_S85_R1_001	8,718,005	92.65%	8,077,621	74.08	3040.66	C4	Pass
2DR1F4LI_S96_R1_001	8,715,759	92.79%	8,087,697	74.04	3045.27	C0	Pass
4DR1F3LI_S140_R1_001	8,726,642	92.72%	8,091,106	75.06	3045.71	C0	Pass
4DR1F6LI_S148_R1_001	8,759,484	92.49%	8,101,250	74.79	3050.61	C0	Pass
4DM1F2KI_S66_R1_001	9,275,375	87.49%	8,114,798	84.46	2571.00	C0	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

2DM5F402LI_S2_R1_001	9,276,679	87.51%	8,117,594	75.17	2573.03	C4	Pass
4DR1F8OV_S45_R1_001	8,911,468	91.18%	8,125,165	82.89	3061.48	C0	Pass
4DR6F503HE_S115_R1_001	9,349,451	86.94%	8,128,443	75.13	3062.71	C5	Pass
4DM4F303KI_S65_R1_001	9,268,380	87.71%	8,128,930	82.15	2575.98	C3	Pass
2DM2F101HE_S23_R1_001	9,177,760	88.60%	8,131,661	74.41	2577.89	C1	Pass
4DR3F202LI_S132_R1_001	8,839,415	92.08%	8,139,068	74.57	3064.91	C2	Pass
4DR1F10HE_S132_R1_001	9,325,379	87.35%	8,145,499	76.38	3069.14	C0	Pass
2DR2F103OV_S38_R1_001	8,880,971	91.75%	8,148,272	82.86	3070.19	C1	Pass
4DR7F604KI_S141_R1_001	9,100,873	89.61%	8,155,374	83.72	3072.86	C6	Pass
2DR4F301HE_S95_R1_001	9,287,655	87.94%	8,167,691	74.68	3077.50	C3	Pass
2DR4F303OV_S37_R1_001	8,960,017	91.28%	8,178,401	83.31	3081.54	C3	Pass
2DR7F604LU_S110_R1_001	9,164,552	89.36%	8,189,859	84.55	3084.09	C6	Pass
2DR7F605OV_S19_R1_001	8,989,746	91.15%	8,193,748	83.38	3087.32	C6	Pass
2DM6F503LU_S8_R1_001	9,356,830	87.68%	8,204,438	82.82	2599.93	C5	Pass
2DM1F3LU_S19_R1_001	9,394,142	87.50%	8,220,045	82.53	2605.11	C0	Pass
4DR1F3LU_S140_R1_001	9,107,714	90.40%	8,233,676	84.02	3100.50	C0	Pass
2DR5F403LI_S105_R1_001	8,802,862	93.54%	8,234,250	76.00	3099.49	C4	Pass
2DM1F2KI_S35_R1_001	9,591,739	85.88%	8,237,201	81.96	2610.57	C0	Pass
2DM4F301KI_S18_R1_001	9,404,489	87.82%	8,258,643	79.99	2617.55	C3	Pass
2DR6F504OV_S35_R1_001	9,052,986	91.23%	8,258,986	83.57	3111.90	C5	Pass
2DM3F202LU_S16_R1_001	9,389,749	88.03%	8,265,416	83.64	2619.24	C2	Pass
4DM1F1HE_S43_R1_001	9,241,653	89.48%	8,269,405	71.66	2621.62	C0	Pass
2DM4F304LU_S4_R1_001	9,466,985	87.44%	8,277,570	82.02	2623.26	C3	Pass
4DR1F4LU_S137_R1_001	9,222,783	89.92%	8,292,861	84.48	3122.62	C0	Pass
2DM1F10LI_S20_R1_001	9,437,573	87.91%	8,296,499	73.62	2629.70	C0	Pass
4DR5F403KI_S136_R1_001	9,147,810	90.76%	8,302,466	84.89	3128.26	C4	Pass
4DM4F302LU_S45_R1_001	9,465,349	87.83%	8,313,566	82.97	2634.53	C3	Pass
4DR6F503OV_S50_R1_001	9,184,927	90.78%	8,338,011	83.80	3141.68	C5	Pass
2DM6F503KI_S3_R1_001	9,543,555	87.42%	8,342,906	79.52	2644.29	C5	Pass
4DM2F103KI_S62_R1_001	10,117,723	82.49%	8,346,520	82.21	2645.23	C1	Pass
4DR4F302OV_S49_R1_001	9,166,869	91.08%	8,349,086	82.89	3145.85	C3	Pass
2DM2F105LU_S6_R1_001	9,458,958	88.29%	8,351,455	82.15	2646.63	C1	Pass
2DM4F305LU_S9_R1_001	9,545,991	87.52%	8,354,200	82.15	2647.44	C3	Pass
2DM3F203HE_S22_R1_001	9,400,569	89.00%	8,366,641	75.17	2652.47	C2	Pass
2DR6F501OV_S39_R1_001	9,213,887	90.81%	8,367,154	84.02	3152.66	C5	Pass
2DM1F3HE_S14_R1_001	9,412,037	89.01%	8,378,045	72.04	2656.12	C0	Pass
4DR1F3KI_S130_R1_001	9,299,958	90.16%	8,384,570	83.99	3159.20	C0	Pass
2DM4F305LI_S9_R1_001	9,547,583	87.84%	8,386,956	74.03	2658.45	C3	Pass
4DR2F103KI_S143_R1_001	9,212,830	91.18%	8,400,096	84.66	3165.07	C1	Pass
4DR7F605HE_S125_R1_001	9,622,834	87.33%	8,403,271	73.89	3166.27	C6	Pass
2DM1F9HE_S21_R1_001	9,445,397	89.44%	8,447,532	72.80	2678.05	C0	Pass
4DR6F505OV_S71_R1_001	9,765,019	86.57%	8,453,152	84.29	3185.06	C5	Pass
4DR2F103LI_S153_R1_001	9,111,595	92.91%	8,465,507	75.28	3187.46	C1	Pass
2DR1F2OV_S3_R1_001	9,231,325	91.82%	8,475,746	84.78	3193.57	C0	Pass
4DR7F601LI_S133_R1_001	9,236,892	91.80%	8,479,745	74.87	3187.96	C6	Pass
2DM6F505KI_S19_R1_001	9,982,483	84.96%	8,481,256	78.38	2688.29	C5	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

2DM3F204HE_S33_R1_001	9,534,228	88.97%	8,482,441	71.85	2689.18	C2	Pass
2DR2F104OV_S13_R1_001	9,378,112	90.52%	8,488,954	83.80	3198.55	C1	Pass
2DR1F10V_S12_R1_001	9,303,990	91.36%	8,499,760	84.14	3202.62	C0	Pass
4DM2F105LI_S44_R1_001	9,722,465	87.51%	8,508,363	73.72	2696.97	C1	Pass
4DM5F403HE_S42_R1_001	9,501,525	89.64%	8,517,355	76.16	2700.20	C4	Pass
2DM4F303LI_S35_R1_001	9,703,560	87.85%	8,524,423	74.13	2702.17	C3	Pass
2DM2F103LI_S36_R1_001	9,739,145	87.54%	8,526,125	74.70	2702.56	C1	Pass
2DR3F201HE_S89_R1_001	9,619,767	88.65%	8,528,152	77.84	3213.32	C2	Pass
2DR5F403LU_S105_R1_001	9,455,906	90.19%	8,528,232	84.66	3211.40	C4	Pass
2DR3F204OV_S5_R1_001	9,334,395	91.49%	8,539,774	82.86	3217.70	C2	Pass
4DR6F504LI_S150_R1_001	9,216,288	92.70%	8,543,585	76.71	3215.84	C5	Pass
4DR2F104LU_S128_R1_001	9,641,012	88.63%	8,544,878	85.19	3217.56	C1	Pass
2DM5F403KI_S20_R1_001	9,816,845	87.28%	8,568,251	80.25	2716.27	C4	Pass
4DR1F8KI_S149_R1_001	9,602,056	89.33%	8,577,814	83.27	3232.03	C0	Pass
4DM1F5OV_S149_R1_001	9,792,131	87.68%	8,586,185	85.67	2717.17	C0	Pass
4DR4F305HE_S121_R1_001	9,762,922	87.98%	8,589,283	74.30	3236.35	C3	Pass
4DR1F9OV_S68_R1_001	9,441,158	91.03%	8,594,120	86.44	3238.18	C0	Pass
2DR6F505OV_S30_R1_001	9,419,079	91.31%	8,600,990	83.76	3240.76	C5	Pass
2DM2F102HE_S25_R1_001	9,561,604	90.06%	8,611,155	70.16	2730.02	C1	Pass
2DM3F205LU_S18_R1_001	9,815,531	87.78%	8,615,904	82.37	2730.69	C2	Pass
4DM4F304OV_S151_R1_001	9,796,288	88.06%	8,626,940	86.02	2730.76	C3	Pass
2DM6F503LI_S8_R1_001	9,850,633	87.58%	8,627,473	78.60	2734.24	C5	Pass
4DR3F201LU_S138_R1_001	9,893,431	87.29%	8,636,026	84.55	3251.67	C2	Pass
2DR2F101KI_S100_R1_001	9,452,646	91.50%	8,648,778	84.36	3258.74	C1	Pass
2DR3F204LI_S79_R1_001	9,324,062	92.87%	8,659,646	75.36	3260.19	C2	Pass
4DM1F2OV_S154_R1_001	9,875,598	87.77%	8,667,586	86.49	2744.33	C0	Pass
2DR5F403KI_S97_R1_001	9,564,850	90.62%	8,668,100	84.02	3266.05	C4	Pass
4DR1F2OV_S44_R1_001	9,554,319	90.77%	8,672,235	84.51	3267.61	C0	Pass
2DR5F403HE_S97_R1_001	9,846,469	88.10%	8,674,252	75.24	3268.37	C4	Pass
4DR2F101LI_S149_R1_001	9,397,841	92.52%	8,694,786	75.81	3274.03	C1	Pass
4DR3F201KI_S128_R1_001	9,705,728	89.77%	8,713,223	84.78	3283.04	C2	Pass
4DR5F401HE_S146_R1_001	9,820,002	88.81%	8,721,317	75.13	3286.10	C4	Pass
2DM6F504LU_S29_R1_001	10,080,686	86.90%	8,760,080	83.51	2776.18	C5	Pass
2DR3F201LI_S97_R1_001	9,442,003	92.80%	8,762,210	73.47	3299.51	C2	Pass
4DR3F204OV_S46_R1_001	9,585,829	91.52%	8,772,487	84.10	3305.38	C2	Pass
4DM4F303OV_S153_R1_001	9,966,367	88.20%	8,790,084	85.67	2779.02	C3	Pass
2DM2F103HE_S31_R1_001	9,913,471	88.80%	8,803,384	76.13	2790.84	C1	Pass
4DM5F402LU_S40_R1_001	9,949,177	88.53%	8,807,746	83.04	2791.28	C4	Pass
4DR4F302KI_S113_R1_001	9,731,255	90.57%	8,813,421	86.44	3320.80	C3	Pass
4DR1F5LU_S147_R1_001	9,746,721	90.43%	8,814,401	84.36	3319.31	C0	Pass
4DR7F601HE_S124_R1_001	10,064,362	87.62%	8,818,592	74.00	3322.76	C6	Pass
4DM2F105HE_S38_R1_001	9,859,884	89.45%	8,819,845	72.32	2796.14	C1	Pass
4DM2F102HE_S52_R1_001	9,829,241	89.73%	8,820,230	74.16	2796.12	C1	Pass
2DM4F302LU_S7_R1_001	10,050,456	87.78%	8,822,333	82.69	2795.95	C3	Pass
4DR3F205LU_S139_R1_001	9,990,898	88.32%	8,823,801	84.44	3322.68	C2	Pass
4DR7F604HE_S142_R1_001	10,091,473	87.52%	8,832,192	74.79	3327.88	C6	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

4DM3F201HE_S49_R1_001	9,906,844	89.47%	8,864,088	73.91	2810.14	C2	Pass
4DR7F602LU_S129_R1_001	9,985,162	89.00%	8,886,674	84.02	3346.58	C6	Pass
4DM4F305OV_S155_R1_001	10,260,267	86.71%	8,896,923	85.76	2816.79	C3	Pass
2DM6F507LI_S13_R1_001	10,123,225	87.89%	8,897,306	78.63	2819.32	C5	Pass
2DM3F204LU_S38_R1_001	10,248,219	87.02%	8,918,392	82.85	2826.47	C2	Pass
4DM1F10LU_S43_R1_001	10,035,640	88.87%	8,918,934	84.08	2826.72	C0	Pass
4DM3F202HE_S48_R1_001	9,979,418	89.44%	8,925,193	72.92	2829.47	C2	Pass
4DR3F205KI_S129_R1_001	9,902,048	90.27%	8,938,118	85.42	3367.79	C2	Pass
4DM6F504KI_S51_R1_001	10,264,656	87.21%	8,951,876	81.33	2837.21	C5	Pass
2DM6F504HE_S24_R1_001	10,073,038	88.87%	8,952,183	75.68	2838.06	C5	Pass
4DM2F105KI_S38_R1_001	10,169,214	88.09%	8,958,195	81.86	2839.15	C1	Pass
2DM3F202LI_S16_R1_001	10,233,506	87.57%	8,961,052	74.48	2840.51	C2	Pass
2DR1F6OV_S33_R1_001	9,854,111	91.14%	8,981,049	84.59	3383.97	C0	Pass
4DM6F502KI_S47_R1_001	10,729,767	83.79%	8,990,009	82.02	2849.24	C5	Pass
2DM6F506RLU_S17_R1_001	10,264,909	87.71%	9,003,199	82.47	2851.30	C5	Pass
2DM6F501KI_S28_R1_001	10,264,314	87.89%	9,020,839	79.77	2859.23	C5	Pass
4DM1F7LI_S42_R1_001	10,272,705	87.88%	9,027,287	75.11	2861.53	C0	Pass
4DR3F203HE_S134_R1_001	10,311,276	87.62%	9,034,892	75.62	3404.25	C2	Pass
2DM5F401HE_S29_R1_001	10,153,103	89.08%	9,044,449	77.27	2867.34	C4	Pass
4DM4F302HE_S39_R1_001	10,137,445	89.29%	9,051,554	73.84	2869.53	C3	Pass
2DR1F9OV_S27_R1_001	9,935,644	91.23%	9,064,588	85.80	3415.44	C0	Pass
2DM6F505LI_S24_R1_001	10,362,647	87.76%	9,094,621	76.63	2882.28	C5	Pass
2DR4F303HE_S103_R1_001	10,347,611	88.18%	9,125,018	76.19	3438.21	C3	Pass
2DR7F602HE_S80_R1_001	10,335,781	88.30%	9,126,997	77.02	3438.96	C6	Pass
4DR2F103LU_S153_R1_001	10,083,009	90.84%	9,159,311	83.91	3448.94	C1	Pass
2DM1F5LI_S31_R1_001	10,449,871	87.67%	9,160,970	76.25	2903.77	C0	Pass
2DR1F6HE_S99_R1_001	10,419,170	88.28%	9,197,612	76.83	3465.57	C0	Pass
4DR6F505HE_S136_R1_001	10,451,432	88.03%	9,200,664	73.93	3466.72	C5	Pass
4DR1F7LU_S135_R1_001	11,126,984	83.01%	9,236,153	83.61	3478.69	C0	Pass
2DR7F602OV_S14_R1_001	10,159,334	90.94%	9,239,001	86.55	3481.16	C6	Pass
2DR4F301OV_S29_R1_001	10,072,085	91.78%	9,243,695	84.14	3482.93	C3	Pass
2DR4F302HE_S74_R1_001	10,431,645	88.62%	9,244,871	78.11	3483.37	C3	Pass
2DM1F9KI_S21_R1_001	10,522,670	87.90%	9,249,738	82.94	2931.60	C0	Pass
2DM5F402LU_S2_R1_001	10,609,292	87.27%	9,258,466	83.67	2933.70	C4	Pass
2DM2F101LU_S28_R1_001	10,776,347	85.97%	9,263,933	79.17	2936.54	C1	Pass
4DR7F605LI_S134_R1_001	10,048,376	92.21%	9,265,120	76.83	3486.03	C6	Pass
2DM5F401LU_S34_R1_001	10,623,925	87.25%	9,269,056	83.58	2937.65	C4	Pass
4DR1F6LU_S148_R1_001	10,340,392	89.80%	9,285,448	86.44	3496.84	C0	Pass
4DR6F504LU_S150_R1_001	10,470,451	88.96%	9,314,512	82.22	3509.57	C5	Pass
2DM2F103LU_S36_R1_001	10,632,879	87.66%	9,320,421	83.42	2953.89	C1	Pass
4DR4F301OV_S70_R1_001	10,327,054	90.41%	9,336,465	84.66	3517.88	C3	Pass
2DM5F404LU_S5_R1_001	10,628,708	87.94%	9,346,925	83.20	2962.06	C4	Pass
4DM6F503LU_S41_R1_001	10,576,708	88.40%	9,349,631	83.45	2963.06	C5	Pass
4DR3F203OV_S69_R1_001	10,326,689	90.70%	9,366,346	85.38	3529.14	C2	Pass
4DR6F502LU_S156_R1_001	10,430,748	89.84%	9,371,259	83.04	3530.92	C5	Pass
4DM3F204LU_S66_R1_001	10,772,215	87.04%	9,376,070	84.02	2971.57	C2	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

2DM4F304KI_S36_R1_001	10,736,905	87.34%	9,377,317	81.07	2972.08	C3	Pass
4DM1F1KI_S43_R1_001	10,668,061	88.15%	9,404,092	83.32	2980.66	C0	Pass
2DR1F4OV_S22_R1_001	10,314,558	91.34%	9,421,523	85.57	3549.93	C0	Pass
4DR6F504HE_S141_R1_001	10,796,803	87.34%	9,429,529	74.98	3552.95	C5	Pass
2DR5F405KI_S87_R1_001	10,383,733	90.87%	9,436,053	85.53	3555.39	C4	Pass
2DR7F603OV_S16_R1_001	10,450,836	90.47%	9,454,543	87.49	3562.37	C6	Pass
2DM3F204LI_S38_R1_001	10,751,088	87.96%	9,456,499	74.10	2997.61	C2	Pass
2DR3F204HE_S111_R1_001	10,802,659	87.55%	9,457,791	76.22	3563.60	C2	Pass
4DM3F205HE_S40_R1_001	10,653,212	88.84%	9,463,830	74.48	3000.23	C2	Pass
2DR3F203OV_S28_R1_001	10,412,034	90.99%	9,474,395	84.59	3569.85	C2	Pass
4DM1F6HE_S58_R1_001	10,724,737	88.58%	9,499,851	73.37	3011.75	C0	Pass
2DM5F404LI_S5_R1_001	10,792,775	88.13%	9,511,656	75.75	3015.02	C4	Pass
2DM1F7LU_S14_R1_001	10,884,451	87.41%	9,513,953	83.39	3015.12	C0	Pass
4DR2F102KI_S151_R1_001	10,664,579	89.22%	9,515,213	84.14	3585.22	C1	Pass
4DR7F604LU_S151_R1_001	10,535,933	90.34%	9,517,787	85.00	3584.69	C6	Pass
4DM3F201OV_S137_R1_001	11,082,569	85.92%	9,521,823	86.72	3013.05	C2	Pass
2DR7F604OV_S36_R1_001	10,503,002	91.19%	9,577,539	85.68	3608.72	C6	Pass
4DR1F2HE_S149_R1_001	10,861,103	88.30%	9,589,975	76.75	3613.40	C0	Pass
2DM1F1LU_S11_R1_001	10,924,539	87.90%	9,602,293	82.66	3043.08	C0	Pass
2DR7F605HE_S85_R1_001	10,992,848	87.50%	9,618,202	74.76	3624.04	C6	Pass
2DR1F7HE_S86_R1_001	10,970,975	87.70%	9,621,527	76.04	3625.29	C0	Pass
2DM4F303LU_S35_R1_001	10,959,034	87.84%	9,626,424	83.70	3051.13	C3	Pass
2DR1F5OV_S32_R1_001	10,547,358	91.34%	9,634,407	84.51	3630.15	C0	Pass
2DR6F503HE_S75_R1_001	10,905,406	88.36%	9,635,937	76.75	3630.72	C5	Pass
4DM3F202OV_S136_R1_001	11,035,987	87.37%	9,642,594	86.11	3050.84	C2	Pass
4DM2F101OV_S138_R1_001	11,054,321	87.32%	9,652,713	85.70	3056.02	C1	Pass
2DR1F10KI_S92_R1_001	10,593,359	91.18%	9,658,721	84.93	3639.29	C0	Pass
4DR5F403OV_S72_R1_001	10,748,645	89.86%	9,659,225	86.06	3639.50	C4	Pass
2DM1F8KI_S32_R1_001	11,147,779	86.90%	9,687,659	81.04	3070.30	C0	Pass
4DR6F501LU_S154_R1_001	10,719,264	90.40%	9,690,375	84.33	3649.59	C5	Pass
2DR4F305HE_S81_R1_001	10,972,205	88.38%	9,697,742	78.07	3654.01	C3	Pass
2DM4F303HE_S30_R1_001	10,877,872	89.27%	9,710,168	72.19	3078.40	C3	Pass
2DR7F603KI_S82_R1_001	10,633,623	91.33%	9,712,154	85.04	3659.44	C6	Pass
4DR5F401LU_S155_R1_001	10,690,984	90.93%	9,721,267	85.53	3661.01	C4	Pass
2DM1F2LI_S3_R1_001	11,079,379	87.76%	9,723,585	75.30	3082.17	C0	Pass
2DR3F205OV_S24_R1_001	10,739,768	90.57%	9,727,191	85.00	3665.11	C2	Pass
4DM1F9HE_S57_R1_001	10,947,563	88.89%	9,730,780	73.02	3084.90	C0	Pass
2DR2F102KI_S112_R1_001	10,742,873	90.88%	9,763,228	86.36	3678.67	C1	Pass
2DR1F10OV_S26_R1_001	10,966,792	89.27%	9,790,549	85.64	3688.98	C0	Pass
2DM3F203KI_S22_R1_001	11,134,716	87.94%	9,791,412	81.99	3103.39	C2	Pass
2DM1F6LI_S32_R1_001	11,212,413	87.34%	9,793,449	74.57	3104.25	C0	Pass
2DM2F101KI_S23_R1_001	11,329,806	86.68%	9,820,180	82.44	3112.32	C1	Pass
2DM5F403LI_S25_R1_001	11,176,849	87.94%	9,829,463	75.52	3115.76	C4	Pass
4DR1F10LI_S141_R1_001	10,667,030	92.17%	9,831,515	76.19	3700.86	C0	Pass
4DM3F205LU_S46_R1_001	11,186,394	87.94%	9,837,260	84.05	3117.55	C2	Pass
4DM6F502HE_S47_R1_001	10,995,904	89.56%	9,848,330	73.11	3122.24	C5	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

2DR1F7KI_S86_R1_001	10,764,913	91.50%	9,850,059	85.61	3711.38	C0	Pass
2DM6F504KI_S24_R1_001	11,909,860	82.71%	9,850,718	81.23	3122.21	C5	Pass
4DR6F501KI_S144_R1_001	10,795,654	91.34%	9,860,787	84.51	3715.44	C5	Pass
4DR4F303LU_S152_R1_001	10,897,537	90.54%	9,866,667	84.70	3715.30	C3	Pass
2DM6F508LU_S10_R1_001	11,234,841	88.10%	9,897,919	83.99	3136.50	C5	Pass
4DM1F9LU_S63_R1_001	11,299,318	87.63%	9,901,789	83.64	3138.05	C0	Pass
4DM2F104HE_S44_R1_001	11,097,355	89.53%	9,935,111	73.46	3149.67	C1	Pass
2DR3F201OV_S23_R1_001	10,906,338	91.16%	9,942,587	83.65	3746.26	C2	Pass
2DM6F507LU_S13_R1_001	11,505,017	86.58%	9,961,249	83.70	3156.87	C5	Pass
2DM1F10LU_S20_R1_001	11,295,326	88.23%	9,966,335	82.94	3158.48	C0	Pass
4DM1F6LU_S64_R1_001	11,387,082	87.66%	9,982,334	83.26	3163.78	C0	Pass
4DM2F101HE_S50_R1_001	11,186,666	89.25%	9,984,298	76.63	3165.16	C1	Pass
2DM1F8HE_S32_R1_001	11,229,175	88.94%	9,987,064	73.30	3166.11	C0	Pass
2DM1F8LU_S37_R1_001	11,414,633	87.65%	10,004,631	83.64	3170.70	C0	Pass
4DM6F503LI_S41_R1_001	11,382,652	88.07%	10,025,131	75.43	3177.55	C5	Pass
2DR7F604HE_S102_R1_001	11,341,686	88.46%	10,033,196	74.98	3780.41	C6	Pass
4DR2F101HE_S140_R1_001	11,407,749	88.00%	10,039,219	77.20	3782.67	C1	Pass
2DR7F604LI_S110_R1_001	10,960,015	91.92%	10,074,913	78.67	3792.12	C6	Pass
4DR3F205LI_S139_R1_001	10,904,347	92.72%	10,110,875	77.51	3806.27	C2	Pass
2DR1F3KI_S91_R1_001	11,042,823	91.66%	10,121,595	84.74	3813.70	C0	Pass
2DM3F201LI_S22_R1_001	11,520,673	87.94%	10,130,712	74.64	3211.21	C2	Pass
4DR1F6HE_S139_R1_001	11,611,615	87.45%	10,154,045	76.64	3825.94	C0	Pass
2DR1F3HE_S91_R1_001	11,501,921	88.30%	10,156,591	76.11	3826.90	C0	Pass
2DM6F501LU_S33_R1_001	11,639,669	87.39%	10,171,531	83.77	3222.26	C5	Pass
2DM6F501LI_S33_R1_001	11,574,102	87.91%	10,174,908	76.73	3224.58	C5	Pass
2DR5F404KI_S77_R1_001	11,199,238	91.14%	10,206,943	86.59	3845.85	C4	Pass
4DR4F301HE_S135_R1_001	11,629,987	87.80%	10,211,657	75.96	3847.65	C3	Pass
2DR1F8KI_S110_R1_001	11,200,968	91.17%	10,212,258	87.19	3847.87	C0	Pass
2DM1F4LI_S21_R1_001	11,627,556	87.91%	10,221,755	77.01	3240.24	C0	Pass
2DM3F204KI_S33_R1_001	11,951,444	85.74%	10,247,382	80.94	3247.86	C2	Pass
2DR5F403OV_S31_R1_001	11,286,399	91.01%	10,271,457	85.08	3870.18	C4	Pass
4DM2F102KI_S52_R1_001	11,644,948	88.28%	10,280,246	81.93	3258.06	C1	Pass
4DR3F204HE_S151_R1_001	11,689,813	88.22%	10,312,678	75.89	3885.71	C2	Pass
2DR2F101OV_S34_R1_001	11,264,896	91.60%	10,318,092	85.12	3887.75	C1	Pass
2DR6F505KI_S96_R1_001	11,312,914	91.22%	10,319,178	85.46	3888.11	C5	Pass
2DR1F10LI_S100_R1_001	11,140,283	92.71%	10,327,791	75.81	3888.49	C0	Pass
2DR6F501KI_S105_R1_001	11,316,746	91.27%	10,328,552	85.27	3891.69	C5	Pass
2DR7F601KI_S84_R1_001	11,314,669	91.37%	10,338,427	83.27	3895.41	C6	Pass
4DR5F405LI_S136_R1_001	11,221,239	92.21%	10,347,260	76.68	3895.76	C4	Pass
2DM1F9LU_S26_R1_001	11,804,044	87.78%	10,361,349	85.10	3283.39	C0	Pass
4DM4F302KI_S39_R1_001	11,756,515	88.16%	10,364,176	82.78	3284.48	C3	Pass
4DM3F205KI_S40_R1_001	11,818,266	87.70%	10,364,326	80.79	3284.82	C2	Pass
2DR3F205HE_S90_R1_001	11,744,747	88.60%	10,405,591	76.04	3920.72	C2	Pass
4DM1F6KI_S58_R1_001	11,939,593	87.39%	10,433,818	81.83	3306.85	C0	Pass
2DM4F301LU_S23_R1_001	11,951,290	87.77%	10,490,066	83.80	3324.53	C3	Pass
2DR3F201KI_S89_R1_001	11,569,730	90.67%	10,490,518	87.75	3952.70	C2	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

4DR6F502LI_S156_R1_001	11,477,113	91.98%	10,556,184	77.43	3971.50	C5	Pass
4DR1F3HE_S131_R1_001	12,040,592	87.72%	10,561,448	76.15	3979.45	C0	Pass
4DR1F8HE_S150_R1_001	12,027,722	88.06%	10,592,114	78.18	3991.00	C0	Pass
4DM4F301HE_S45_R1_001	11,857,275	89.51%	10,613,530	74.22	3364.78	C3	Pass
2DR5F401KI_S106_R1_001	11,625,928	91.45%	10,632,467	84.55	4006.20	C4	Pass
4DM5F403LU_S48_R1_001	12,105,024	88.12%	10,667,426	83.86	3380.87	C4	Pass
4DR2F103HE_S144_R1_001	12,130,237	88.25%	10,704,952	76.26	4033.52	C1	Pass
4DR5F405LU_S136_R1_001	12,073,493	88.82%	10,723,595	86.44	4038.07	C4	Pass
4DR5F401LI_S155_R1_001	11,585,666	92.92%	10,765,219	76.41	4053.14	C4	Pass
4DR6F501LI_S154_R1_001	11,604,050	92.98%	10,789,660	78.82	4061.91	C5	Pass
4DR3F202LU_S132_R1_001	12,028,475	89.91%	10,814,818	85.23	4072.13	C2	Pass
4DM1F10LI_S43_R1_001	12,270,266	88.33%	10,837,929	76.70	3435.40	C0	Pass
2DM4F301LI_S23_R1_001	12,344,762	87.87%	10,847,340	74.73	3438.38	C3	Pass
2DM1F5LU_S31_R1_001	12,327,662	88.07%	10,856,956	84.18	3440.59	C0	Pass
4DM1F3HE_S41_R1_001	12,160,802	89.29%	10,858,746	72.70	3442.58	C0	Pass
2DM5F405LU_S15_R1_001	12,402,668	88.01%	10,916,070	83.96	3459.33	C4	Pass
2DR4F302KI_S74_R1_001	12,009,573	91.31%	10,966,084	85.53	4131.91	C3	Pass
4DM6F504HE_S51_R1_001	12,312,069	89.16%	10,977,459	74.32	3480.18	C5	Pass
4DR3F201HE_S129_R1_001	12,596,693	87.16%	10,978,722	76.90	4136.67	C2	Pass
2DM1F2LU_S3_R1_001	12,483,430	87.97%	10,981,997	83.16	3480.23	C0	Pass
4DR7F601LU_S133_R1_001	12,566,524	87.69%	11,019,209	85.64	4150.44	C6	Pass
4DM1F8LU_S65_R1_001	13,009,469	84.77%	11,027,841	84.15	3494.92	C0	Pass
4DR2F101LU_S149_R1_001	12,301,519	89.71%	11,036,028	86.21	4156.12	C1	Pass
4DR7F604LI_S151_R1_001	12,058,874	91.94%	11,086,421	78.18	4169.65	C6	Pass
4DM5F405HE_S68_R1_001	12,667,139	87.67%	11,105,293	81.36	3519.92	C4	Pass
4DR7F605LU_S134_R1_001	12,230,006	90.90%	11,116,794	86.21	4186.53	C6	Pass
2DR6F502HE_S107_R1_001	12,603,138	88.29%	11,127,281	77.09	4192.65	C5	Pass
2DM2F102LU_S30_R1_001	12,657,604	87.95%	11,132,791	84.24	3528.07	C1	Pass
4DM6F505HE_S46_R1_001	12,531,680	89.20%	11,177,679	75.33	3543.61	C5	Pass
2DM1F6LU_S32_R1_001	12,819,798	87.52%	11,219,957	83.93	3555.88	C0	Pass
4DM1F3KI_S41_R1_001	12,774,439	88.07%	11,251,069	83.16	3565.98	C0	Pass
2DM3F201LU_S22_R1_001	12,862,738	87.62%	11,269,808	83.93	3571.51	C2	Pass
2DR7F604KI_S102_R1_001	12,313,230	91.65%	11,285,688	83.87	4252.32	C6	Pass
4DM1F8KI_S59_R1_001	13,369,186	84.51%	11,298,230	82.91	3581.00	C0	Pass
4DR6F501HE_S145_R1_001	12,818,129	88.21%	11,307,088	77.77	4260.39	C5	Pass
4DM1F5HE_S61_R1_001	12,655,364	89.39%	11,312,017	73.81	3586.24	C0	Pass
2DR7F605KI_S85_R1_001	12,395,661	91.33%	11,320,683	83.76	4265.51	C6	Pass
4DR3F205HE_S130_R1_001	12,967,896	87.48%	11,343,674	76.98	4274.18	C2	Pass
4DM3F204KI_S60_R1_001	15,404,317	73.72%	11,356,044	83.32	3599.15	C2	Pass
4DM3F204HE_S60_R1_001	12,753,902	89.04%	11,356,472	76.35	3600.18	C2	Pass
2DR2F101HE_S100_R1_001	12,926,126	87.94%	11,367,097	83.16	4283.00	C1	Pass
2DM5F403LU_S25_R1_001	12,915,419	88.06%	11,373,198	84.02	3604.33	C4	Pass
2DR6F504KI_S101_R1_001	12,547,660	91.50%	11,480,966	85.12	4325.85	C5	Pass
4DM1F8HE_S59_R1_001	12,951,326	88.88%	11,511,684	73.59	3649.55	C0	Pass
4DM5F402KI_S69_R1_001	13,118,061	87.95%	11,537,130	83.35	3656.53	C4	Pass
4DR1F2KI_S148_R1_001	12,760,078	91.00%	11,611,534	85.87	4375.09	C0	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

4DM6F503HE_S70_R1_001	13,063,552	89.10%	11,639,792	78.82	3690.05	C5	Pass
2DR2F103HE_S104_R1_001	13,301,117	87.66%	11,659,550	77.96	4393.20	C1	Pass
2DR6F502KI_S107_R1_001	12,762,754	91.44%	11,670,194	85.00	4397.21	C5	Pass
2DM3F203LU_S27_R1_001	13,373,084	87.97%	11,764,831	84.18	3728.66	C2	Pass
2DR6F504HE_S101_R1_001	13,447,708	87.87%	11,817,168	77.35	4452.59	C5	Pass
2DR6F505HE_S96_R1_001	13,340,732	88.60%	11,819,532	77.62	4453.48	C5	Pass
4DM4F303HE_S65_R1_001	13,252,520	89.32%	11,837,415	77.36	3752.52	C3	Pass
4DM4F301KI_S45_R1_001	13,501,898	87.92%	11,870,222	82.75	3762.10	C3	Pass
2DR4F301KI_S95_R1_001	13,161,142	91.13%	11,993,634	84.44	4519.06	C3	Pass
4DM1F2HE_S66_R1_001	13,402,468	89.59%	12,007,266	75.05	3806.60	C0	Pass
4DM3F203KI_S54_R1_001	13,758,819	87.82%	12,083,391	83.26	3829.48	C2	Pass
4DR1F3OV_S66_R1_001	14,135,609	85.77%	12,124,716	86.70	4568.47	C0	Pass
2DM1F4LU_S21_R1_001	13,795,583	88.05%	12,147,031	83.77	3849.37	C0	Pass
4DM4F303LI_S71_R1_001	14,060,153	87.14%	12,252,172	73.91	3883.50	C3	Pass
4DM2F103HE_S62_R1_001	13,858,317	89.11%	12,349,093	76.57	3914.92	C1	Pass
2DR6F501HE_S105_R1_001	14,265,532	87.33%	12,458,795	77.77	4694.35	C5	Pass
4DR7F604OV_S77_R1_001	14,197,003	88.09%	12,505,652	87.00	4712.00	C6	Pass
4DM2F104LU_S50_R1_001	15,359,332	82.34%	12,646,306	85.35	4007.73	C1	Pass
4DM1F4HE_S53_R1_001	14,167,552	89.29%	12,650,585	74.67	4010.63	C0	Pass
4DM6F505KI_S46_R1_001	14,523,871	87.70%	12,737,685	83.80	4036.87	C5	Pass
4DM4F304HE_S63_R1_001	14,384,007	88.92%	12,789,822	77.55	4054.63	C3	Pass
4DM5F405LI_S74_R1_001	14,552,606	87.90%	12,791,921	77.93	4054.77	C4	Pass
4DM6F501HE_S55_R1_001	14,426,381	88.69%	12,794,629	79.42	4056.02	C5	Pass
4DM3F203HE_S54_R1_001	14,393,149	88.91%	12,796,678	80.22	4056.47	C2	Pass
4DM1F4KI_S53_R1_001	14,597,873	87.82%	12,820,434	83.61	4063.29	C0	Pass
2DR3F203KI_S94_R1_001	14,191,125	91.09%	12,926,286	86.32	4870.46	C2	Pass
2DR3F203HE_S94_R1_001	14,726,002	87.88%	12,940,703	77.81	4875.92	C2	Pass
2DR6F503KI_S75_R1_001	14,162,142	91.75%	12,994,363	85.87	4896.14	C5	Pass
4DM5F402HE_S69_R1_001	14,663,891	89.35%	13,102,319	78.09	4153.70	C4	Pass
4DM4F305HE_S67_R1_001	14,755,799	89.50%	13,206,956	75.75	4186.83	C3	Pass
4DR4F305OV_S56_R1_001	15,182,944	89.69%	13,617,058	87.19	5130.77	C3	Pass
4DM5F404HE_S64_R1_001	15,504,754	87.93%	13,633,174	75.24	4321.81	C4	Pass
4DM1F2LI_S72_R1_001	15,552,609	87.79%	13,654,073	78.09	4327.76	C0	Pass
4DM4F304KI_S63_R1_001	15,730,401	86.98%	13,681,835	82.66	4336.08	C3	Pass
4DR3F205OV_S65_R1_001	15,420,132	88.90%	13,708,605	86.77	5165.26	C2	Pass
4DR1F10OV_S67_R1_001	15,340,664	90.19%	13,836,176	85.46	5213.33	C0	Pass
4DR2F104OV_S54_R1_001	15,376,852	90.07%	13,849,345	85.57	5218.29	C1	Pass
4DM5F401LU_S62_R1_001	15,811,772	88.00%	13,915,148	85.19	4409.78	C4	Pass
4DM1F1LU_S49_R1_001	15,943,761	88.06%	14,039,353	85.03	4449.19	C0	Pass
4DM5F405KI_S68_R1_001	16,047,529	87.52%	14,044,750	83.51	4450.76	C4	Pass
4DR1F1OV_S53_R1_001	15,511,409	90.79%	14,082,772	85.49	5306.24	C0	Pass
4DM1F10HE_S72_R1_001	15,774,968	89.52%	14,121,596	76.35	4476.78	C0	Pass
4DM6F505LI_S52_R1_001	16,033,237	88.33%	14,162,949	78.00	4488.92	C5	Pass
4DM1F7HE_S71_R1_001	15,885,498	89.27%	14,180,847	74.92	4495.72	C0	Pass
4DR1F4OV_S63_R1_001	15,682,993	90.89%	14,254,155	86.66	5370.82	C0	Pass
4DM6F505LU_S52_R1_001	16,273,580	87.83%	14,292,972	85.51	4529.82	C5	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

4DR3F201OV_S64_R1_001	15,947,030	89.68%	14,301,201	87.23	5388.55	C2	Pass
4DM5F401HE_S56_R1_001	16,251,588	89.03%	14,469,593	79.45	4587.09	C4	Pass
4DM5F405LU_S74_R1_001	16,575,008	87.34%	14,477,275	85.83	4587.51	C4	Pass
4DM5F401LI_S62_R1_001	16,511,095	87.81%	14,498,556	77.96	4595.32	C4	Pass
4DM4F304LI_S69_R1_001	16,459,071	88.42%	14,552,987	77.30	4612.96	C3	Pass
4DM3F203LU_S60_R1_001	17,094,986	87.61%	14,976,593	85.45	4745.93	C2	Pass
4DR7F603OV_S57_R1_001	16,775,058	89.58%	15,026,528	86.70	5661.84	C6	Pass
4DM5F404KI_S64_R1_001	17,332,067	87.48%	15,162,043	84.15	4805.19	C4	Pass
4DR7F602OV_S55_R1_001	17,184,289	88.74%	15,250,022	85.91	5746.05	C6	Pass
4DM6F501KI_S55_R1_001	17,407,261	87.66%	15,258,847	83.39	4836.08	C5	Pass
4DM5F401KI_S56_R1_001	19,604,554	78.06%	15,303,112	83.73	4850.22	C4	Pass
4DM1F10KI_S72_R1_001	17,663,396	87.58%	15,469,432	84.02	4902.68	C0	Pass
4DM6F501LU_S61_R1_001	17,614,739	88.14%	15,525,696	84.69	4920.33	C5	Pass
4DM1F4LI_S59_R1_001	17,777,061	87.87%	15,620,355	76.92	4951.15	C0	Pass
4DM1F4LU_S59_R1_001	17,849,160	87.94%	15,697,379	85.26	4974.80	C0	Pass
4DM3F203LI_S60_R1_001	17,925,090	87.98%	15,770,442	80.03	4998.45	C2	Pass
4DR6F504OV_S76_R1_001	18,122,294	87.03%	15,772,533	87.83	5942.93	C5	Pass
4DM3F202LI_S54_R1_001	18,132,897	87.63%	15,890,691	78.76	5036.78	C2	Pass
4DR5F401OV_S81_R1_001	17,622,390	90.73%	15,989,215	86.62	6024.57	C4	Pass
4DR6F502OV_S82_R1_001	18,827,468	85.50%	16,097,765	86.70	6065.47	C5	Pass
4DR1F7OV_S61_R1_001	19,011,273	85.33%	16,222,319	88.36	6112.40	C0	Pass
4DM6F502LU_S53_R1_001	18,549,512	87.84%	16,294,324	86.14	5164.35	C5	Pass
4DM6F501LI_S61_R1_001	18,573,124	88.19%	16,379,094	78.22	5191.17	C5	Pass
4DM6F502LI_S53_R1_001	18,780,422	88.36%	16,594,158	78.50	5259.47	C5	Pass
4DR1F5OV_S73_R1_001	18,359,465	90.90%	16,688,171	88.51	6287.93	C0	Pass
4DM4F303LU_S71_R1_001	19,143,536	87.31%	16,713,738	85.07	5296.86	C3	Pass
4DM6F504LI_S57_R1_001	19,036,312	87.92%	16,736,806	79.23	5304.48	C5	Pass
4DM4F301LU_S51_R1_001	19,095,261	87.77%	16,760,150	86.30	5311.14	C3	Pass
4DM1F2LU_S72_R1_001	19,206,008	87.64%	16,832,300	85.00	5334.75	C0	Pass
4DM4F305LI_S73_R1_001	19,170,091	87.81%	16,833,286	78.28	5335.92	C3	Pass
4DR2F103OV_S79_R1_001	18,439,786	91.61%	16,891,959	87.04	6364.71	C1	Pass
4DM4F305LU_S73_R1_001	19,485,264	86.91%	16,934,788	86.37	5366.87	C3	Pass
4DM1F5LU_S67_R1_001	19,341,647	87.83%	16,988,575	85.48	5384.07	C0	Pass
4DR4F303OV_S78_R1_001	18,769,609	91.39%	17,153,039	86.36	6463.09	C3	Pass
4DR6F501OV_S80_R1_001	19,736,503	88.39%	17,445,701	86.59	6573.36	C5	Pass
4DM2F104LI_S50_R1_001	20,409,742	85.76%	17,503,556	77.90	5548.23	C1	Pass
4DM1F1LI_S49_R1_001	20,207,535	87.65%	17,711,865	78.38	5614.19	C0	Pass
4DM4F301LI_S51_R1_001	20,513,628	87.19%	17,885,413	79.33	5669.22	C3	Pass
4DM2F103LU_S68_R1_001	20,640,951	87.56%	18,073,633	86.05	5728.16	C1	Pass
4DR2F101OV_S75_R1_001	19,895,575	91.17%	18,139,689	88.32	6834.85	C1	Pass
4DM5F404LI_S70_R1_001	20,591,856	88.40%	18,203,847	79.96	5769.96	C4	Pass
4DR5F405OV_S62_R1_001	20,860,339	87.33%	18,217,011	85.68	6863.98	C4	Pass
4DM1F5LI_S67_R1_001	20,761,333	87.97%	18,263,841	78.69	5789.05	C0	Pass
4DM6F504LU_S57_R1_001	20,993,081	87.08%	18,280,473	85.45	5793.35	C5	Pass
4DM3F201LI_S55_R1_001	20,964,766	87.51%	18,346,539	78.28	5815.17	C2	Pass
4DM5F404LU_S70_R1_001	21,046,145	87.86%	18,490,302	85.32	5859.38	C4	Pass

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

4DM2F103LI_S68_R1_001	21,010,953	88.36%	18,565,187	78.15	5884.46	C1	Pass
4DR7F601OV_S59_R1_001	20,665,565	90.12%	18,624,788	86.32	7017.63	C6	Pass
4DM4F304LU_S69_R1_001	21,483,742	88.35%	18,981,022	85.86	6015.36	C3	Pass
4DR7F605OV_S60_R1_001	21,110,332	90.11%	19,022,269	86.59	7167.40	C6	Pass
4DM2F101LI_S56_R1_001	21,628,611	88.31%	19,100,038	79.55	6054.13	C1	Pass
4DR3F202OV_S58_R1_001	21,394,470	90.59%	19,381,900	86.70	7302.90	C2	Pass
4DM2F102LI_S58_R1_001	22,082,620	88.43%	19,527,065	79.42	6189.69	C1	Pass
4DM3F201LU_S55_R1_001	22,727,212	86.53%	19,664,885	85.89	6232.21	C2	Pass
4DM3F202LU_S54_R1_001	22,983,500	87.46%	20,100,935	85.89	6369.76	C2	Pass
4DM2F101LU_S56_R1_001	23,837,009	88.15%	21,013,144	86.11	6659.57	C1	Pass
4DM2F102LU_S58_R1_001	24,672,508	87.05%	21,478,558	85.54	6806.86	C1	Pass

Table 7: QC metrics for the samples that pass the quality checks. The samples are ordered by the number of aligned reads (lowest to highest).

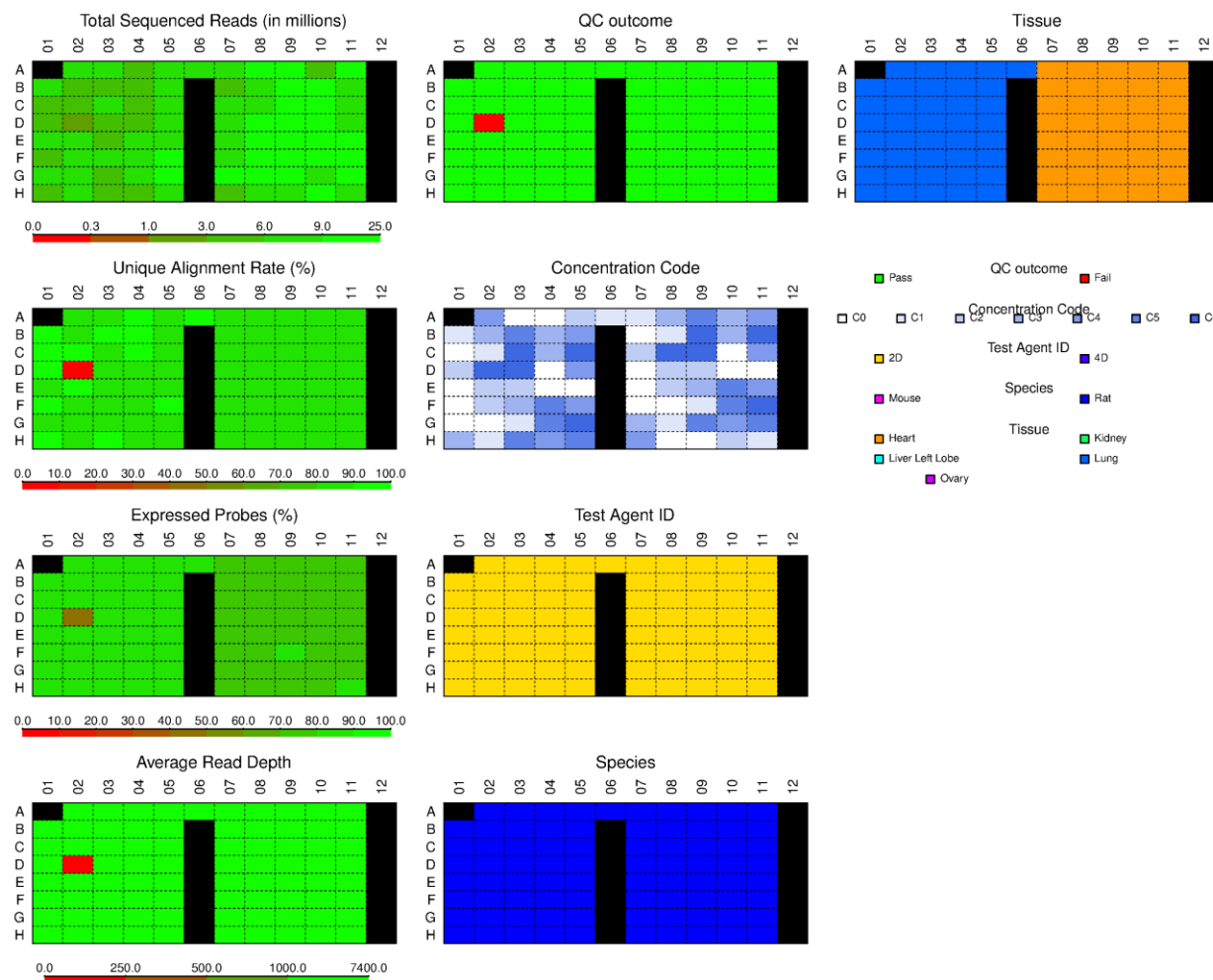
DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Supplemental Plots

Plate Images of the Extraction Plates

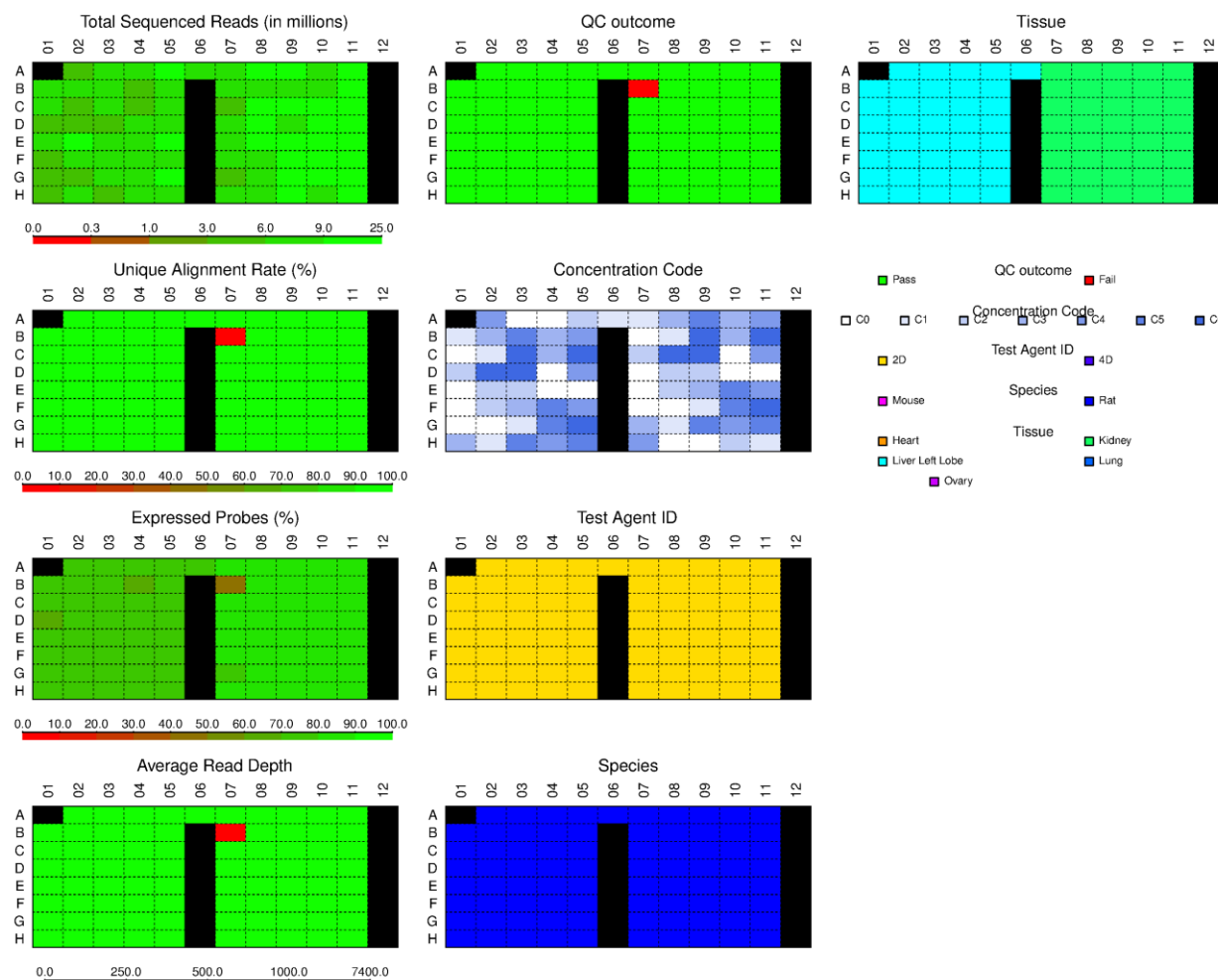
The sample metadata contained information about the extraction plate and well for each sample. The plate images in supplemental figures 1-12 show the layout of the samples on the original extraction plates.



Supplementary Figure 1: Plate1_K06876_2Drat

DETAILED SUMMARY

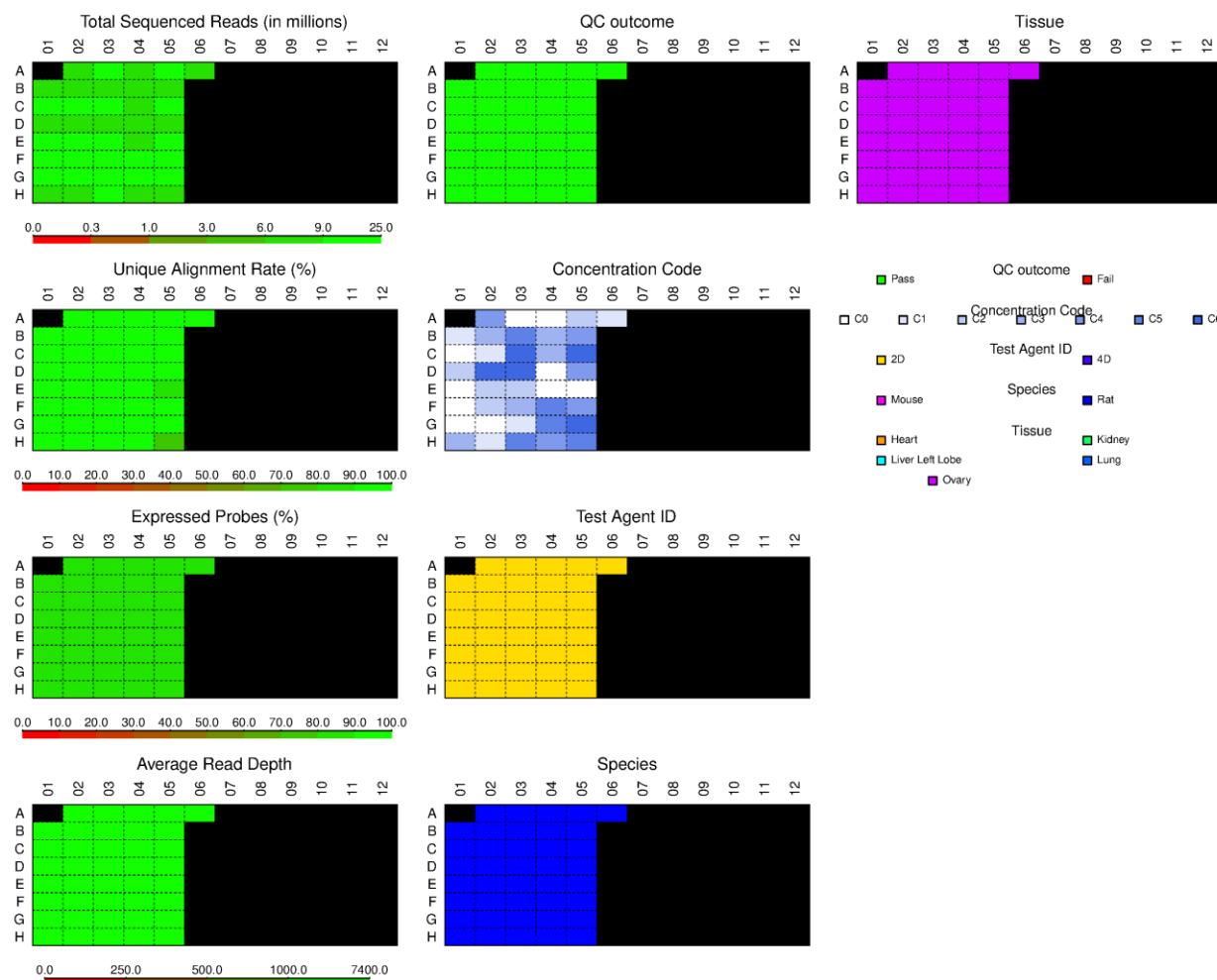
Quality Control Report: Tempo-Seq Data



Supplementary Figure 2: Plate2_K06876_2DRat

DETAILED SUMMARY

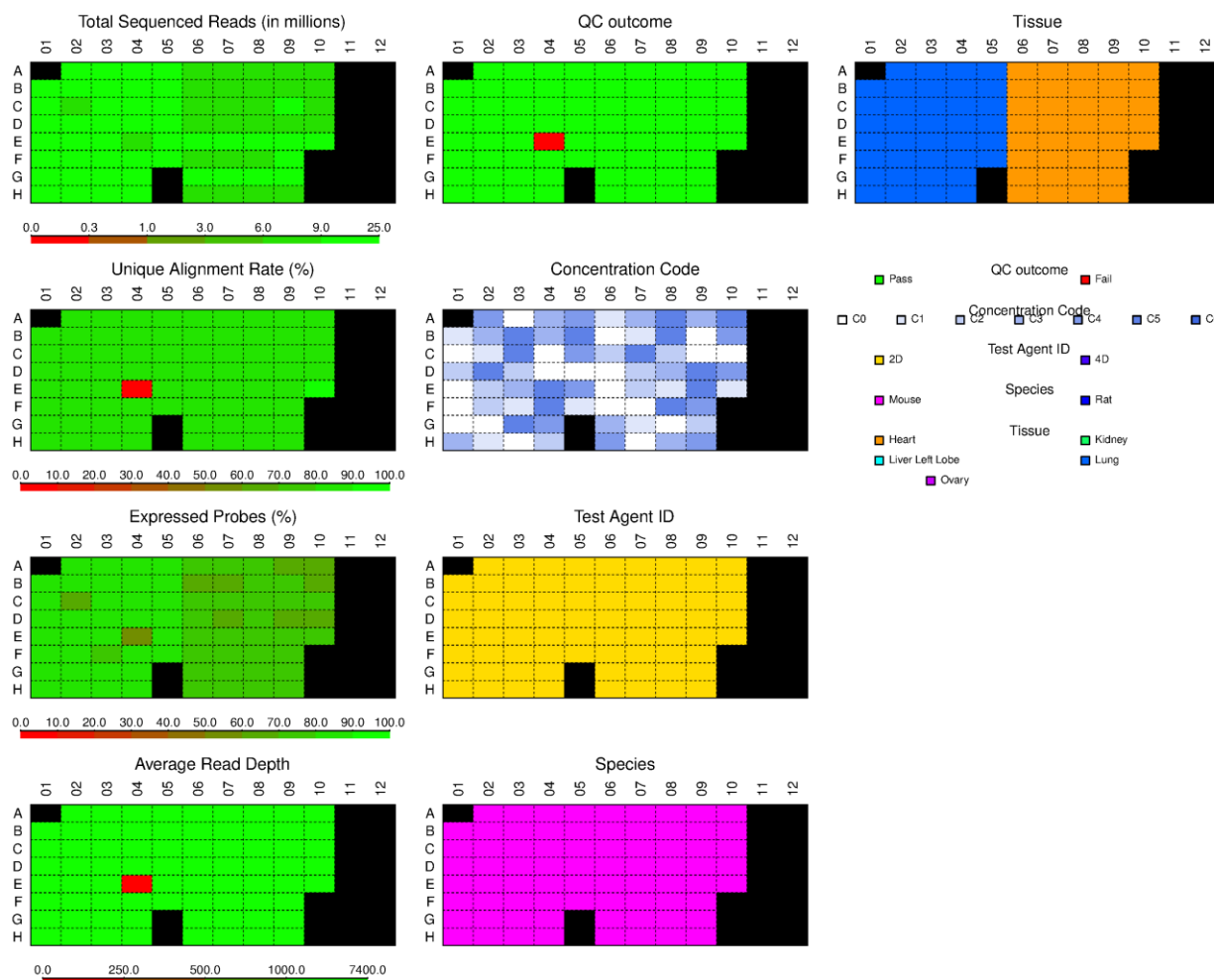
Quality Control Report: Tempo-Seq Data



Supplementary Figure 3: Plate3_K06876_2Drat

DETAILED SUMMARY

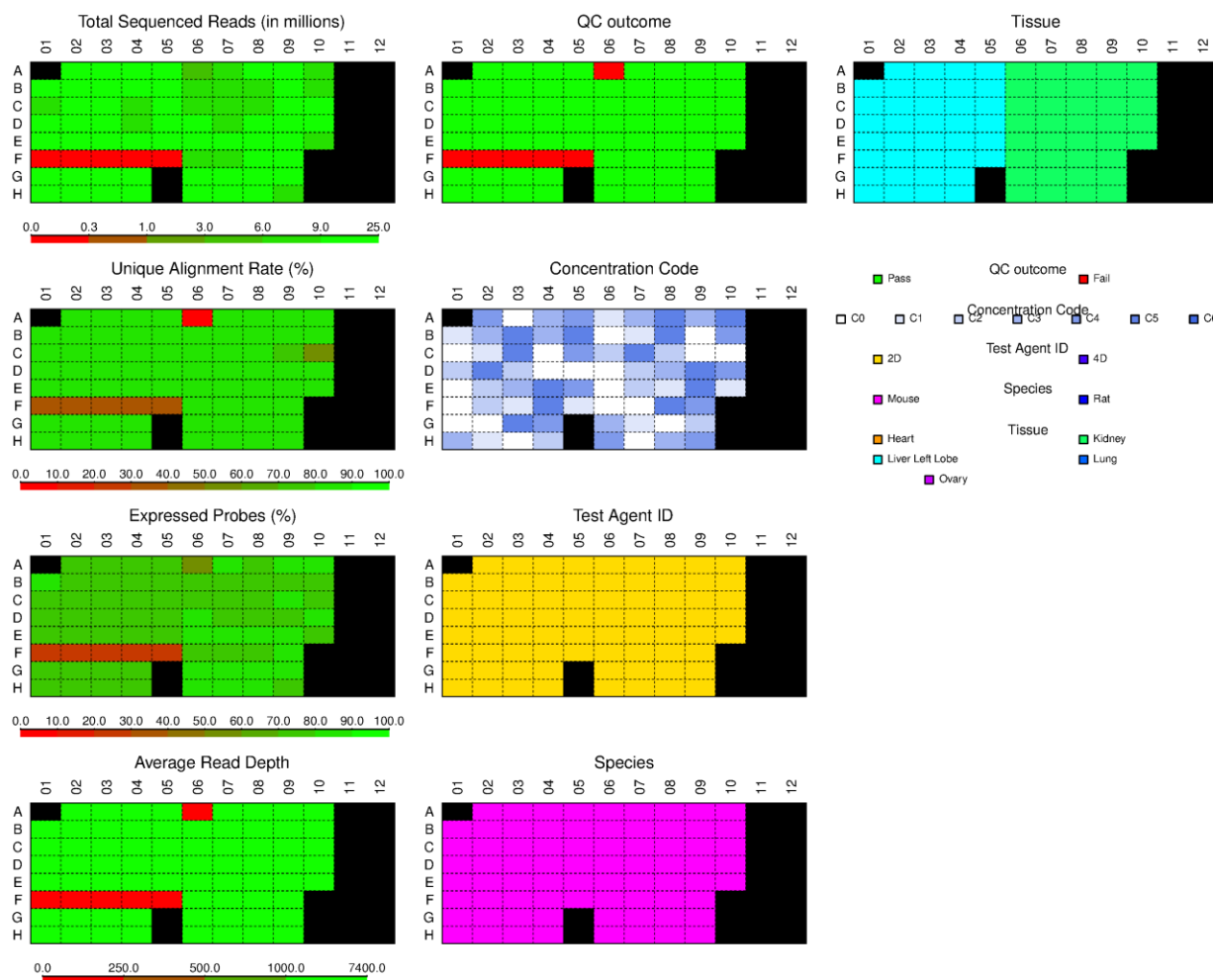
Quality Control Report: Tempo-Seq Data



Supplementary Figure 4: Plate4_K06876_2DMouse

DETAILED SUMMARY

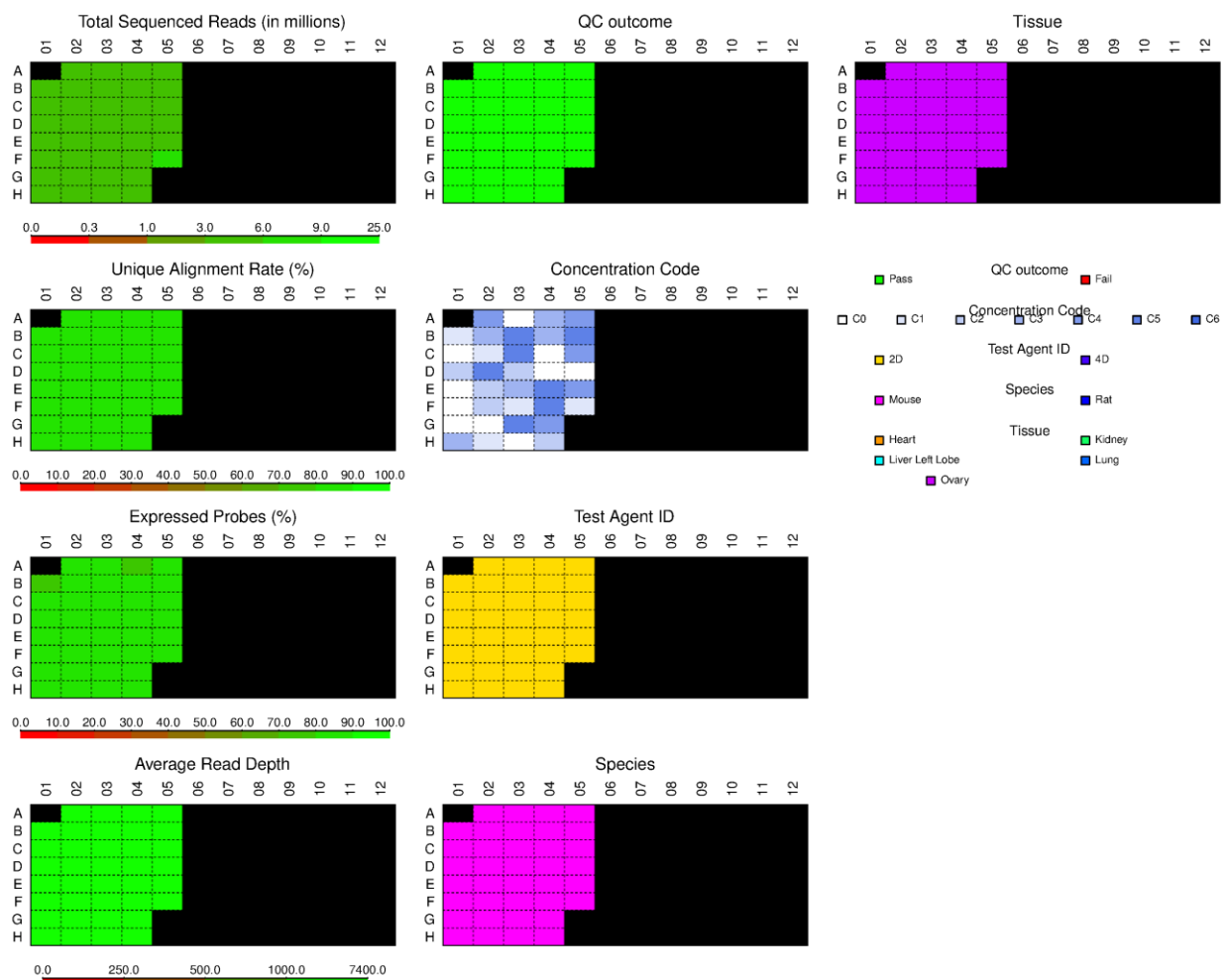
Quality Control Report: Tempo-Seq Data



Supplementary Figure 5: Plate5_K06876_2DMouse

DETAILED SUMMARY

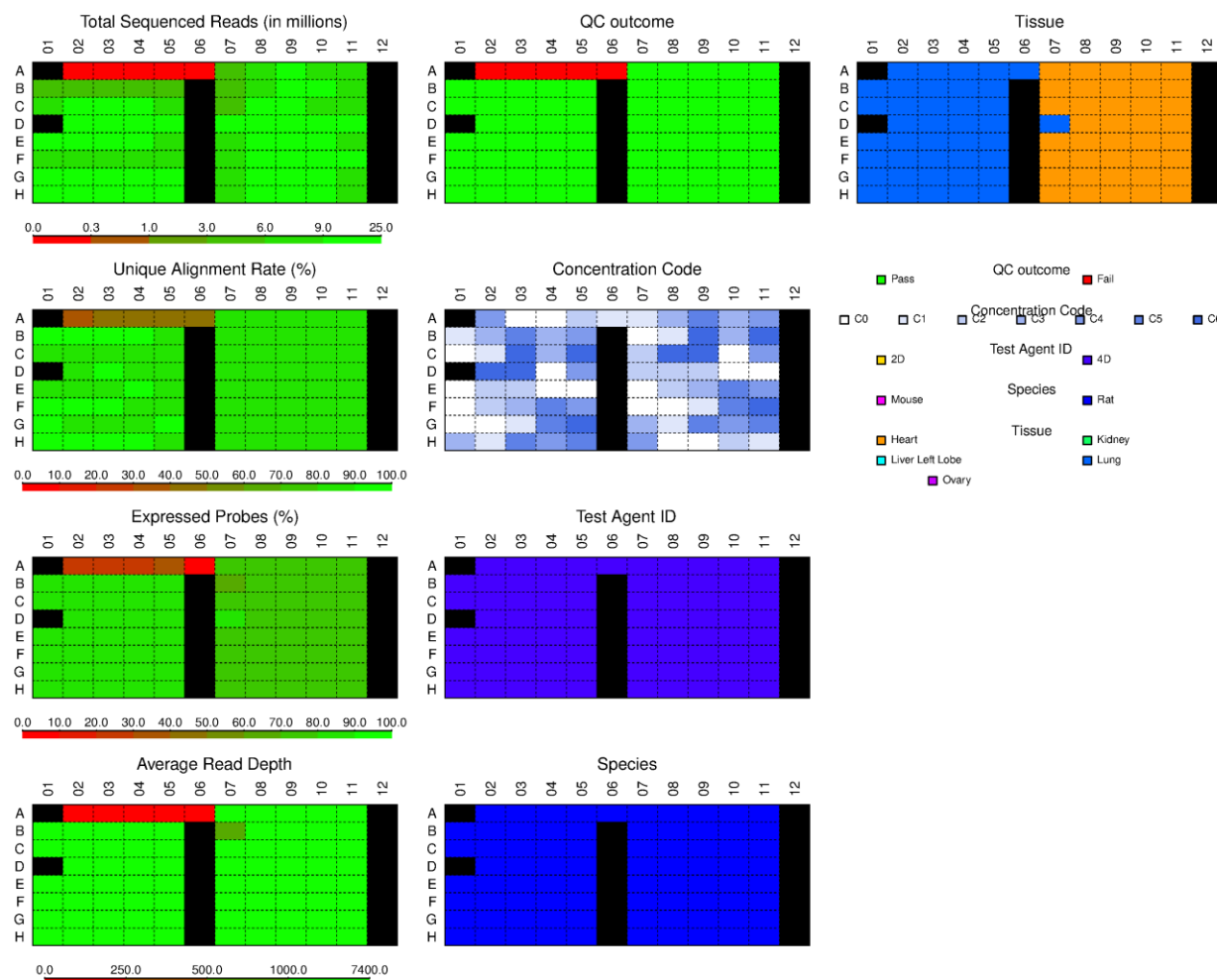
Quality Control Report: Tempo-Seq Data



Supplementary Figure 6: Plate6_K06876_2DMouse

DETAILED SUMMARY

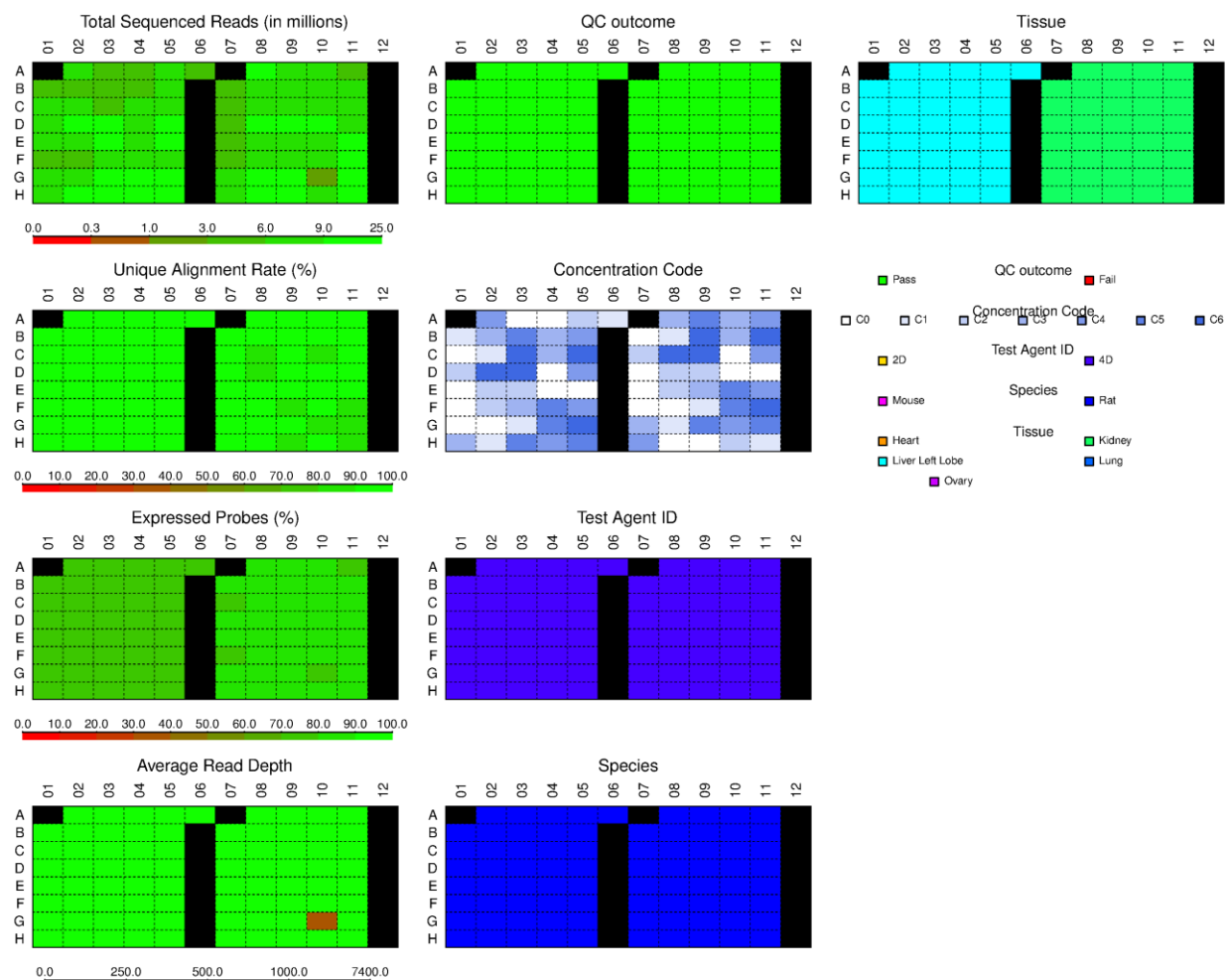
Quality Control Report: Tempo-Seq Data



Supplementary Figure 7: Plate7_K06876_4Drat

DETAILED SUMMARY

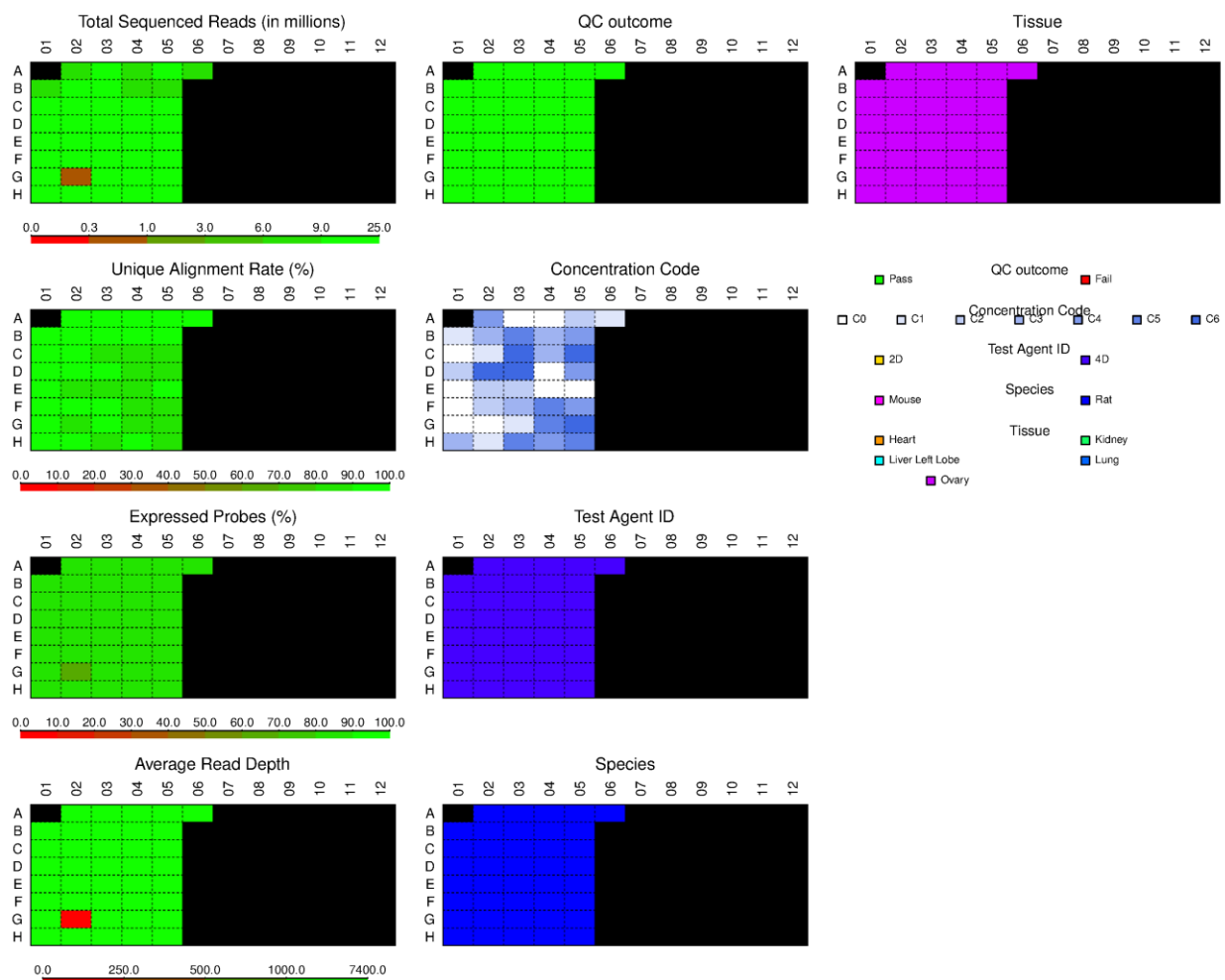
Quality Control Report: Tempo-Seq Data



Supplementary Figure 8: Plate8_K06876_4Drat

DETAILED SUMMARY

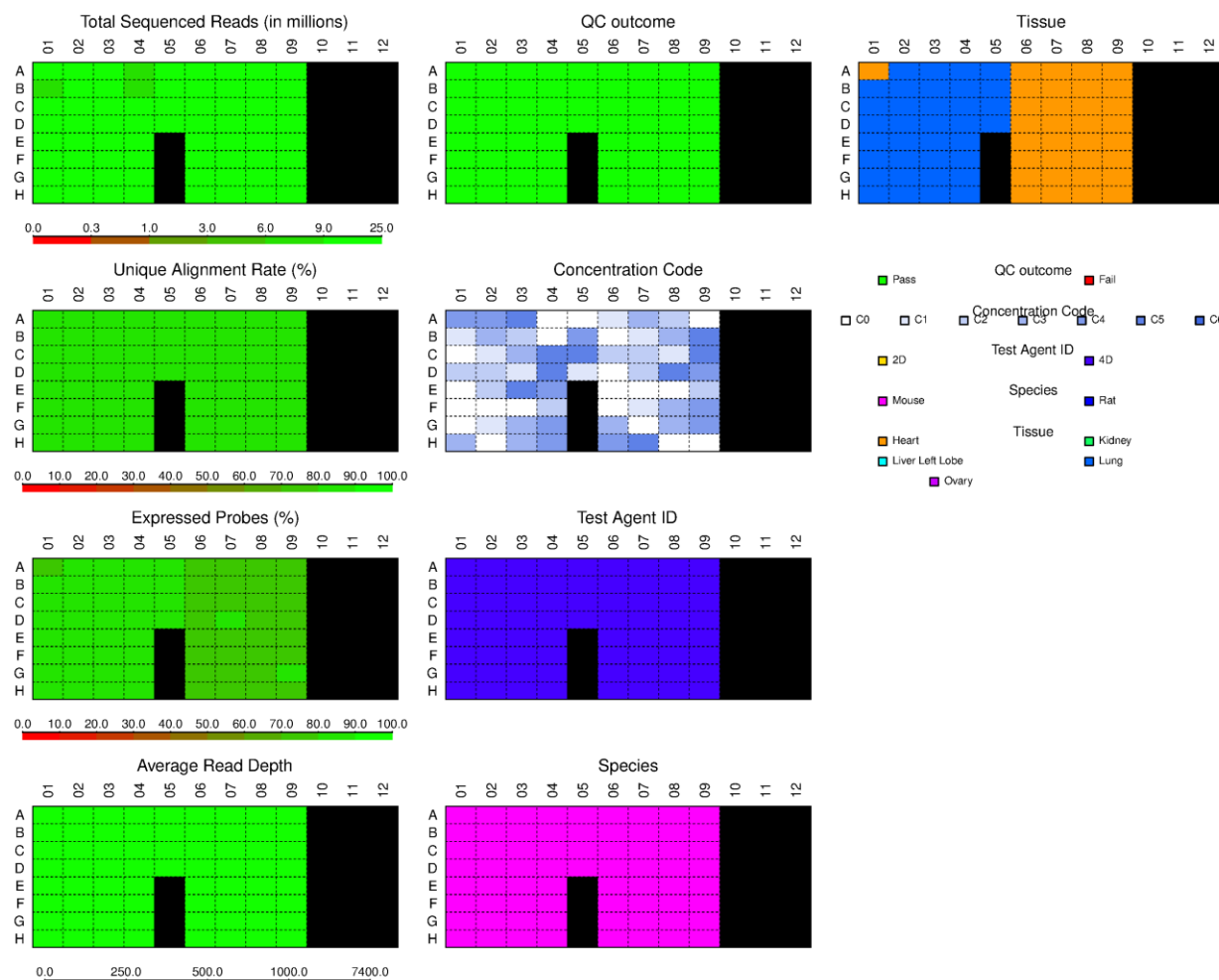
Quality Control Report: Tempo-Seq Data



Supplementary Figure 9: Plate9_K06876_4Drat

DETAILED SUMMARY

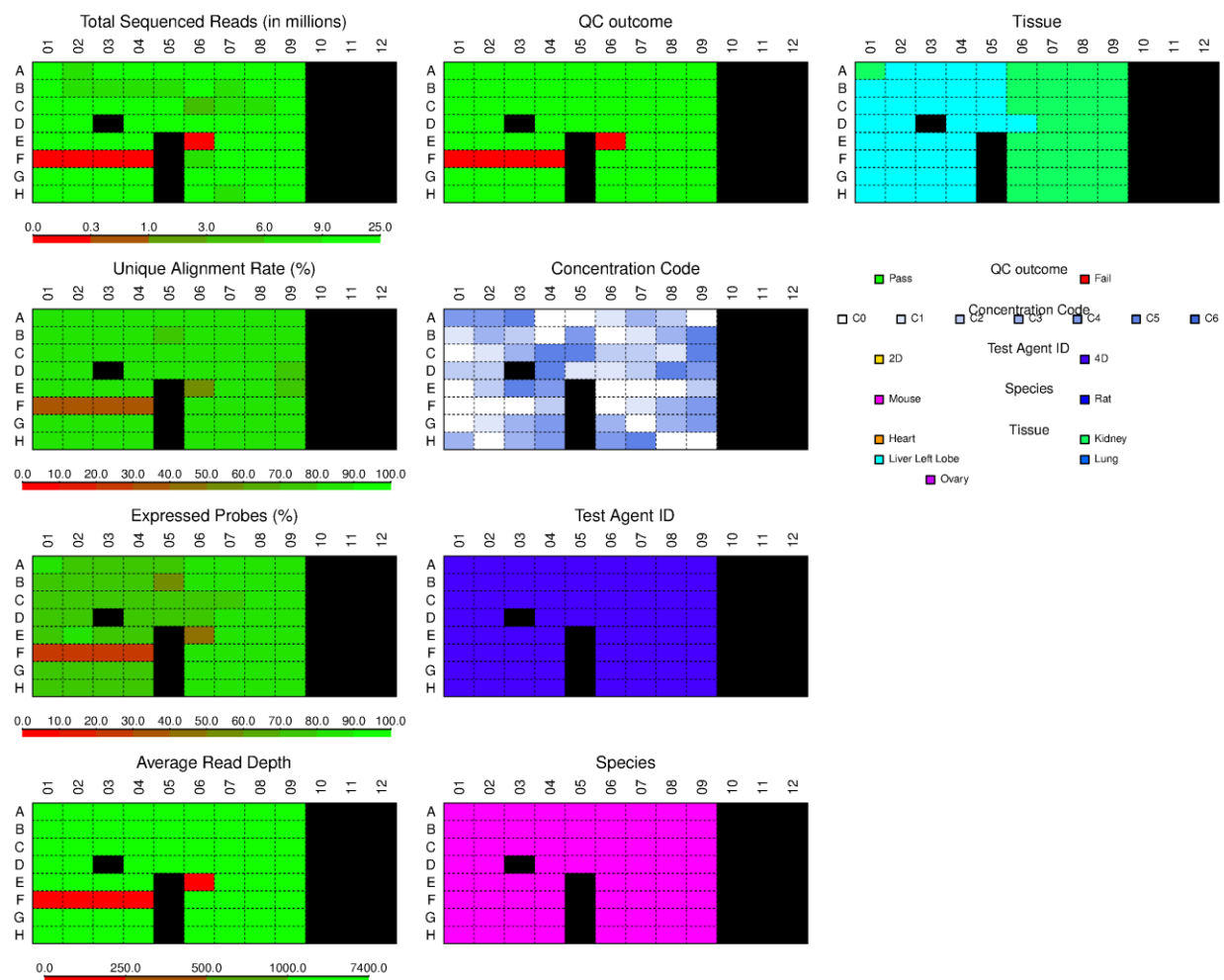
Quality Control Report: Tempo-Seq Data



Supplementary Figure 10: Plate10_K06876_4DMouse

DETAILED SUMMARY

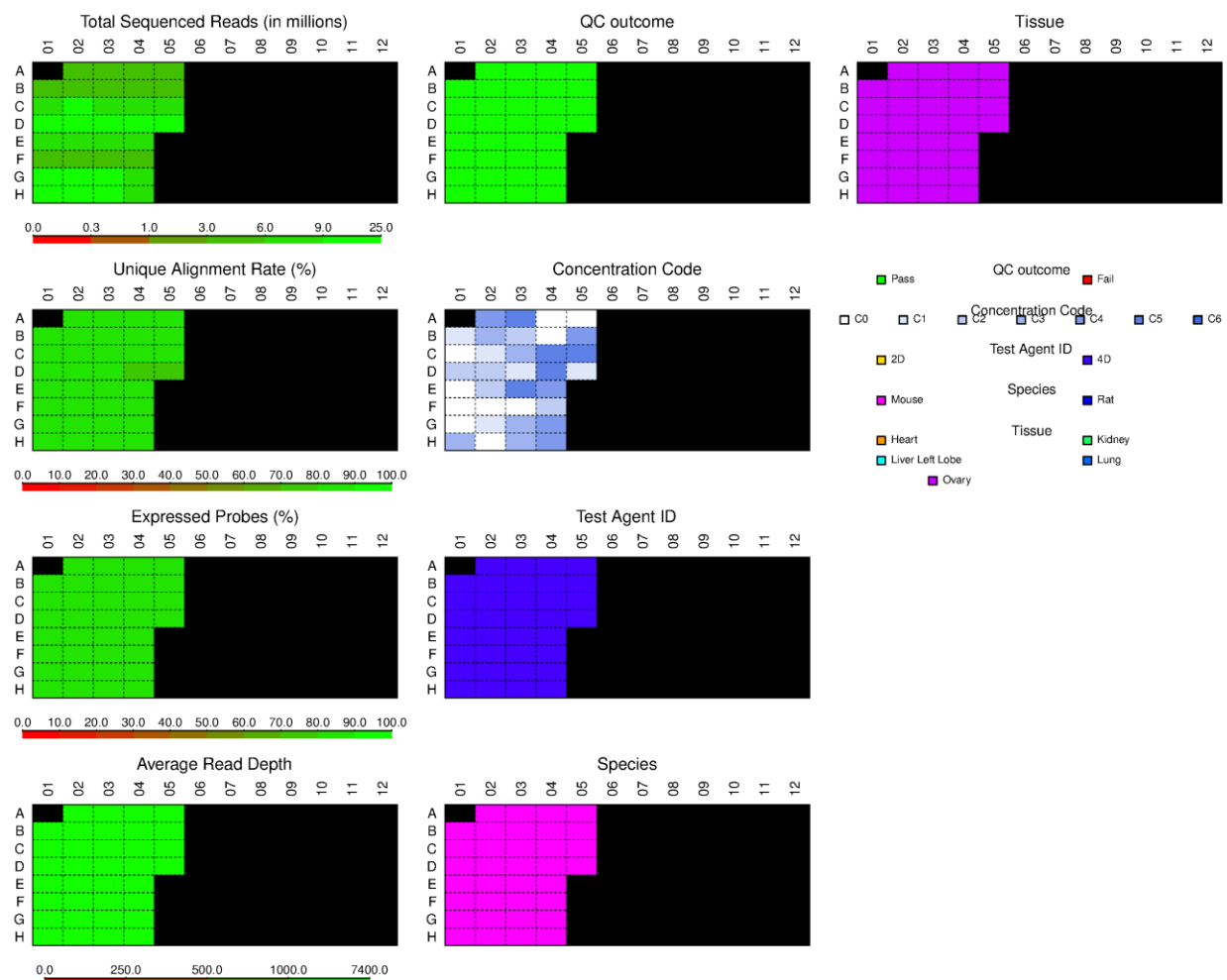
Quality Control Report: Tempo-Seq Data



Supplementary Figure 11: Plate11_K06876_4DMouse

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

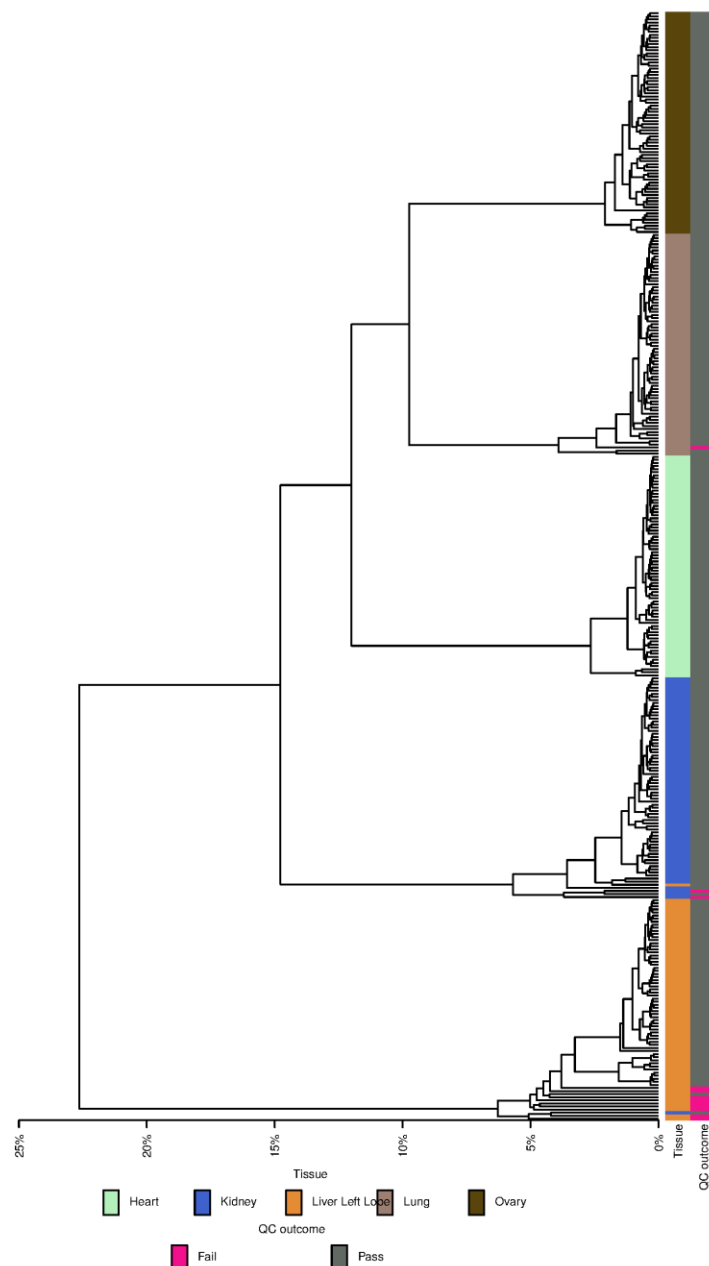


Supplementary Figure 12: Plate12_K06876_4DMouse

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Hierarchical cluster plot of the mouse samples

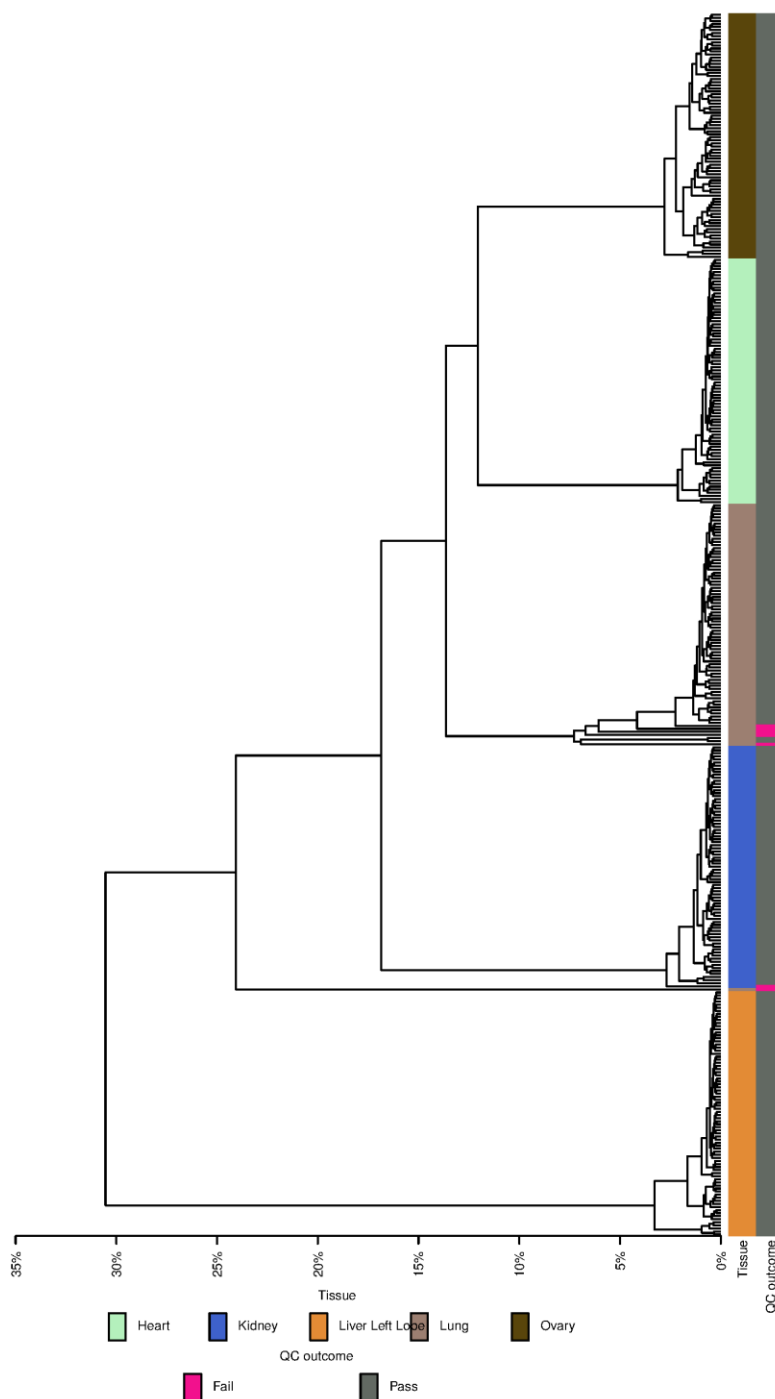


Supplementary Figure 13: Hierarchical cluster plot of the mouse samples. Note that sample 2DM2F105LI_S6_R1_001 clusters with the kidney samples, though the metadata states that it is a liver sample. 2DM4F302KI_S2_R1_001 clusters with the liver samples, though the metadata states that it is a kidney sample.

DETAILED SUMMARY

Quality Control Report: Tempo-Seq Data

Hierarchical cluster plot of the rat samples



Supplementary Figure 14: Hierarchical cluster plot of the rat samples