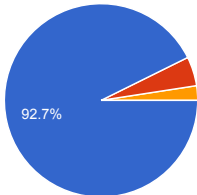


44 responses

Summary

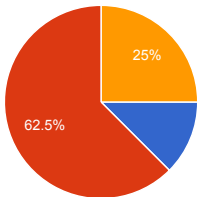
Is this a diverse library?



Yes, the vast majority of reads come from sequences which only occur once within the library	38	92.7%
No, this library has a 95% duplication rate	2	4.9%
No, the library sampling is close to saturation	1	2.4%

[Image]

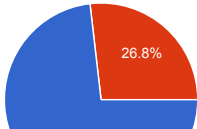
The following 'per base sequence content' plot shows a strange pattern at position 26. What could explain this?



A power failure after 26 minutes	5	12.5%
A manifold burst in cycle 26	25	62.5%
Nothing. This is the expected pattern of low quality at end of reads	10	25%

[Image]

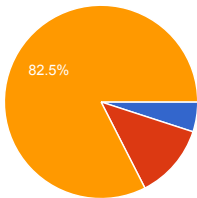
What could explain this 'Quality per tile' plot?



A transient tile fail, such as a bubble going through the flowcell	30	73.2%
A permanent tile problem	11	26.8%

[Image]

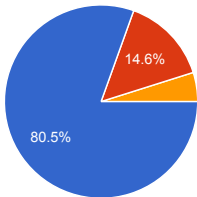
What could explain the following 'per base sequence content' plots?



These plots show normal random libraries	2	5%
There might be adapters at the end of the reads	5	12.5%
The evidence of overrepresented sequences in the sample is probably biasing the overall composition of the different bases	33	82.5%

[Image]

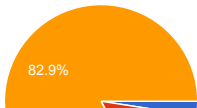
What could explain the following 'per base sequence content' plot?



Double adapters at the beginning of the reads	33	80.5%
The sequencer was unable to make a base call	6	14.6%
This shows a normal random library	2	4.9%

[Image]

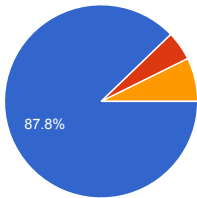
The presence of a spike around 40% indicates that sequences with 40% GC-content are over-represented in our sample. Why could that be?



The plot shows a selection bias in around the first 12bp of each run	1	2.4%
Because this is probably a RRBS sample	6	14.6%
Because there are overrepresented sequences in the sample that consist of repeated runs of "AGAGA" – which has 40% GC-content	34	82.9%

[Image]

What could explain the following plots?



The sequencer was unable to make a base call with sufficient confidence (cycles 15-19)	36	87.8%
The plot shows adapter contamination	2	4.9%
Loss in quality of a subset of sequences	3	7.3%

[Image]

Number of daily responses

