

LTR Parser Results

Kevin McCormick

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Overview

This report contains the results of attempted primer & LTR identification in the following FASTQ file:

/home/kevin/dev/ltrparser/testdata/demo/fastq.gz/hivTest3_u5.R2.fastq.gz

ODoherty project, sample: GTSP3456-1 (U5)

Analysis of common primer-LTR pairs

A total of 4 potential primer-LTR pairs were identified.

This table shows how the reads captured by each primer-LTR pair compare to each other and to the raw FASTQ file.

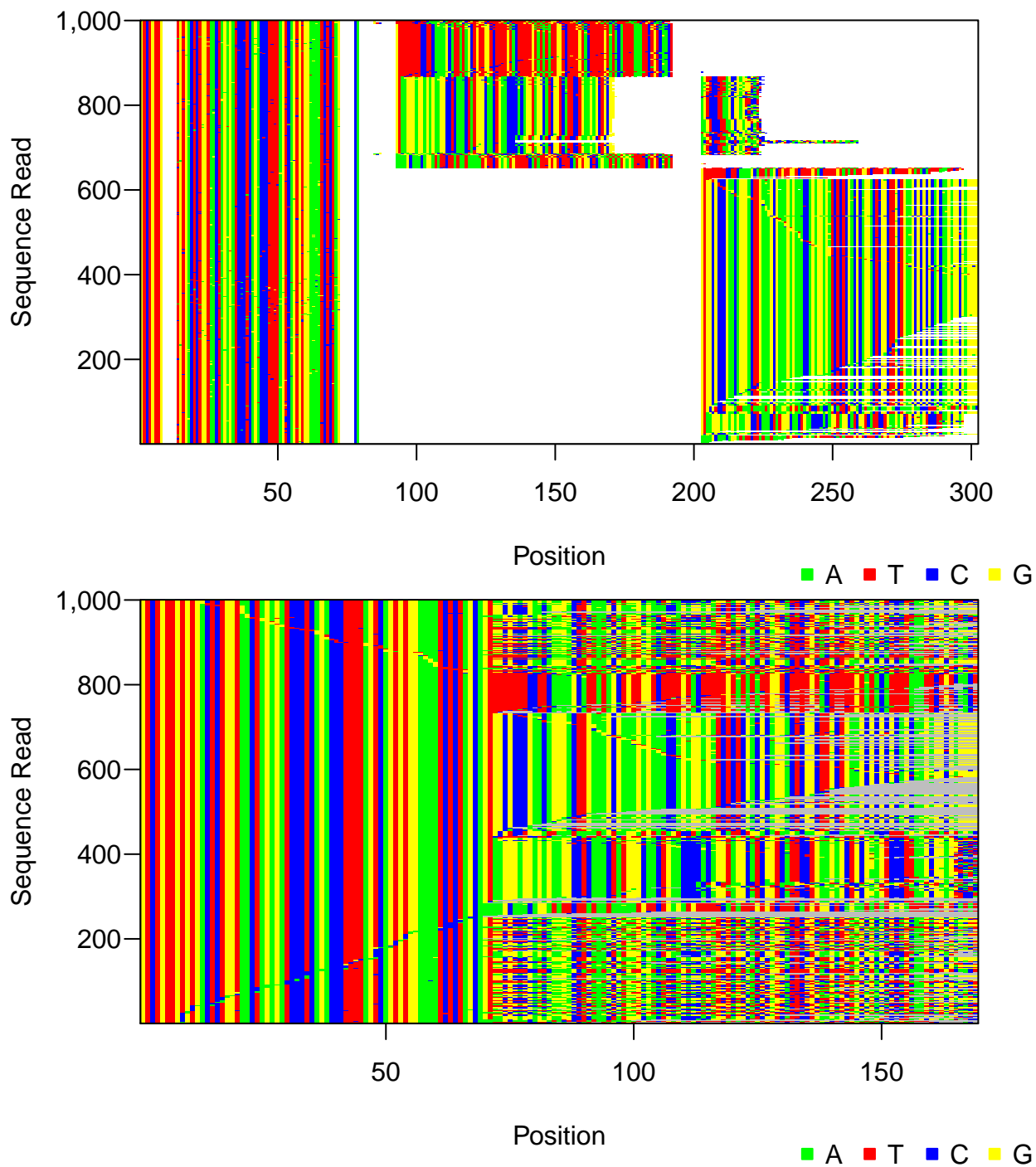
id	primer	LTR	expectedLTR	LANL
1	GTCTGTTG	TGTGACTCTGGTAACTAGAGATCCCTCAGACCCTTTTAGTCAGTGTGGAAAATCTCTAGCA	TRUE	TRUE
2	GTCTGTTG	TGTGACTCTGGTAACTAGAGATCCCTCAGACCCTTTTAGCCAGTGTGGAAAATCTCTAGCA	FALSE	TRUE
3	GTCTGTTG	CGTGACTCTGGTAACTAGAGATCCCTCAGACCCTTTTAGTCAGTGTGGAAAATCTCTAGCA	FALSE	TRUE
4	GTCTGTTG	TGTGACTCTGGTAACTAGAGATCCCTCAGACCCTTTTAGTCAGTGTGGAAAATCCCTAGCA	FALSE	TRUE

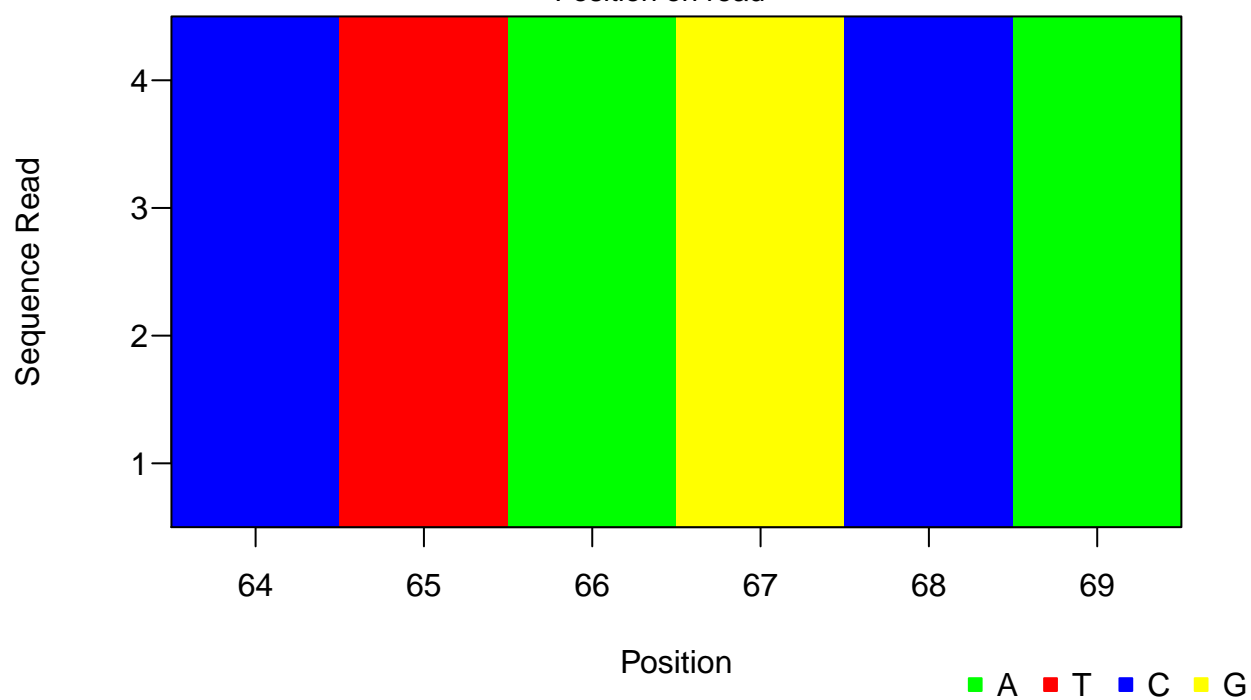
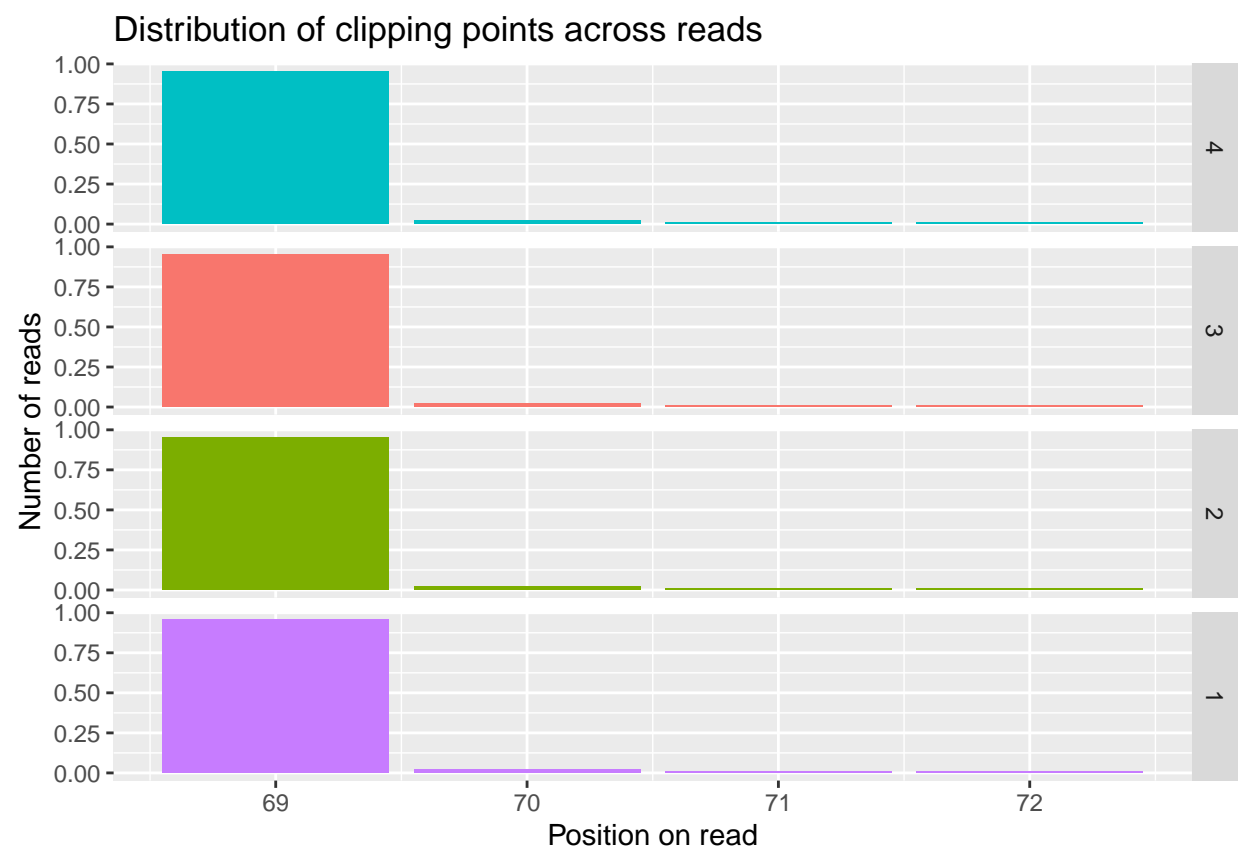
Variable	Total	1	2	3	4
Distinct	8378	1203 (14.4%)	1142 (13.6%)	1141 (13.6%)	1139 (13.6%)
DistinctHuman	527	429 (81.4%)	414 (78.6%)	414 (78.6%)	412 (78.2%)
DistinctLinker	4213	2 (0%)	0 (0%)	0 (0%)	0 (0%)
Max	1726	1325 (76.8%)	1325 (76.8%)	1325 (76.8%)	1325 (76.8%)
MaxHuman	312	312 (100%)	312 (100%)	312 (100%)	312 (100%)
MaxLinker	1726	1 (0.1%)	0 (0%)	0 (0%)	0 (0%)
Total	24128	4037 (16.7%)	3976 (16.5%)	3975 (16.5%)	3973 (16.5%)
TotalHuman	1220	1114 (91.3%)	1099 (90.1%)	1099 (90.1%)	1097 (89.9%)
TotalLinker	13370	2 (0%)	0 (0%)	0 (0%)	0 (0%)

Visualization of reads

Reads are sectioned off into sections separated by white (nucleotide color legend is below the plot).

Primer /// LTR /// CA /// (unmatched) /// human-matching /// linker-matching /// (unmatched)







☐ non conserved
☒ $\geq 50\%$ conserved