

NextClip report for LIB1468 (*Streptomyces coelicolor*)

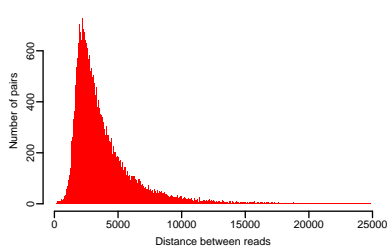
Overall

R1		R2
516923	Number of reads	516923
251244 (48.60%)	With junction adaptor	230971 (44.68%)
182299 (35.27%)	of which long enough (≥ 25)	164662 (31.85%)
68945 (13.34%)	and too short (< 25)	66309 (12.83%)
265679 (51.40%)	Without junction adaptor	285952 (55.32%)

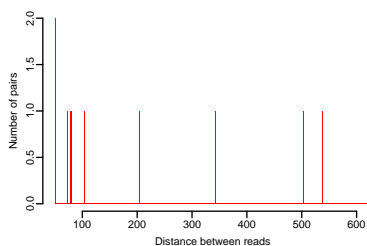
Category	Number of pairs	Too short (< 25)	Long enough (≥ 25)
Adaptor in R1 and R2 (A)	72133 (13.95%)	18997 (3.68%)	53136 (10.28%)
Adaptor in R2 only (B)	158838 (30.73%)	55751 (10.79%)	103087 (19.94%)
Adaptor in R1 only (C)	179111 (34.65%)	59631 (11.54%)	119480 (23.11%)
Adaptor in neither (D)	106841 (20.67%)	9505 (1.84%)	97336 (18.83%)
All categories	516923 (100%)	143884 (27.83%)	373039 (72.17%)
Total usable (A,B,C)			275703 (53.34%)

Fragments with junction adaptor in R1 and R2 (A)

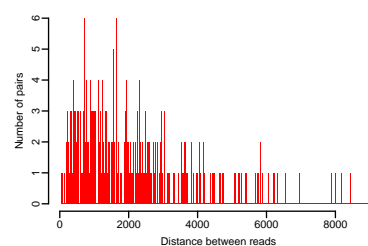
	Total	In range	Out of range	R1 mean	R2 mean
Pairs producing good mappings	41984 (79.01%)	40053 (75.38%)	1931 (3.63%)		
In Mate Pair orientation	40331 (75.90%)	39745 (74.80%)	586 (1.10%)	87.00	85.46
In Pair End orientation	472 (0.89%)	11 (0.02%)	461 (0.87%)	1.99	2.03
In Tandem orientation	1181 (2.22%)	297 (0.56%)	884 (1.66%)	21.24	22.17
Pairs producing bad mappings	11151 (20.99%)				
Both reads unmapped	204 (0.38%)				
One read unmapped	4884 (9.19%)				
Reads map to different ID	0 (0.00%)				
Reads with MAPQ < 10	6063 (11.41%)				



Mate pair



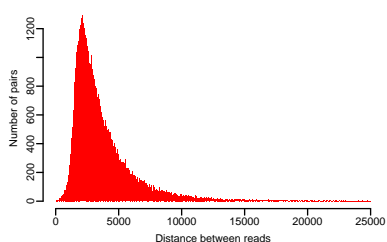
Pair end



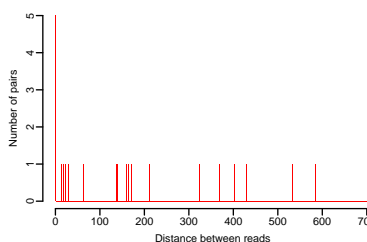
Tandem

Fragments with junction adaptor in R2 only (B)

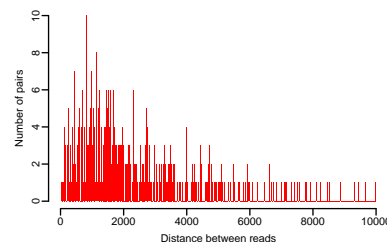
	Total	In range	Out of range	R1 mean	R2 mean
Pairs producing good mappings	78916 (76.55%)	75058 (72.81%)	3858 (3.74%)		
In Mate Pair orientation	75573 (73.31%)	74512 (72.28%)	1061 (1.03%)	148.88	75.56
In Pair End orientation	966 (0.94%)	23 (0.02%)	943 (0.91%)	3.57	2.16
In Tandem orientation	2377 (2.31%)	523 (0.51%)	1854 (1.80%)	33.22	16.60
Pairs producing bad mappings	24170 (23.45%)				
Both reads unmapped	245 (0.24%)				
One read unmapped	11684 (11.33%)				
Reads map to different ID	0 (0.00%)				
Reads with MAPQ < 10	12241 (11.87%)				



Mate pair



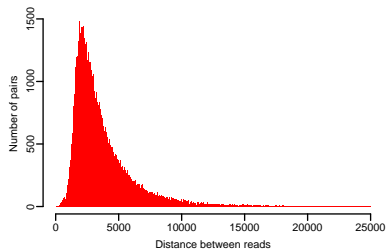
Pair end



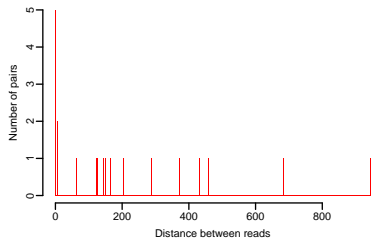
Tandem

Fragments with junction adaptor in R1 only (C)

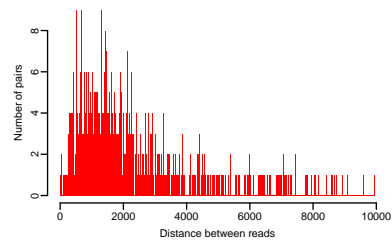
	Total	In range	Out of range	R1 mean	R2 mean
Pairs producing good mappings	91153 (76.29%)	85991 (71.97%)	5162 (4.32%)		
In Mate Pair orientation	86813 (72.66%)	85362 (71.45%)	1451 (1.21%)	77.35	148.48
In Pair End orientation	1302 (1.09%)	21 (0.02%)	1281 (1.07%)	1.15	2.39
In Tandem orientation	3038 (2.54%)	608 (0.51%)	2430 (2.03%)	15.71	30.22
Pairs producing bad mappings	28326 (23.71%)				
Both reads unmapped	671 (0.56%)				
One read unmapped	14490 (12.13%)				
Reads map to different ID	0 (0.00%)				
Reads with MAPQ < 10	13165 (11.02%)				



Mate pair



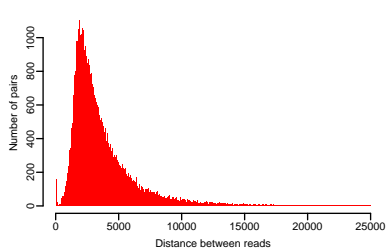
Pair end



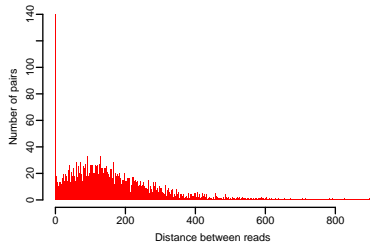
Tandem

Fragments where neither read contain the junction adaptor (D)

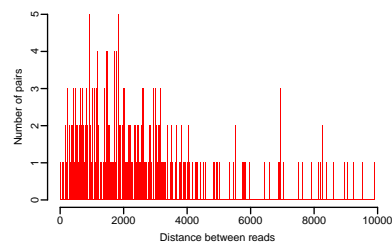
	Total	In range	Out of range	R1 mean	R2 mean
Pairs producing good mappings	71933 (73.90%)	65685 (67.48%)	6248 (6.42%)		
In Mate Pair orientation	64090 (65.84%)	62488 (64.20%)	1602 (1.65%)	147.16	147.17
In Pair End orientation	4445 (4.57%)	2899 (2.98%)	1546 (1.59%)	97.82	97.87
In Tandem orientation	3398 (3.49%)	298 (0.31%)	3100 (3.18%)	13.24	13.24
Pairs producing bad mappings	25402 (26.10%)				
Both reads unmapped	14203 (14.59%)				
One read unmapped	8324 (8.55%)				
Reads map to different ID	0 (0.00%)				
Reads with MAPQ < 10	2875 (2.95%)				



Mate pair



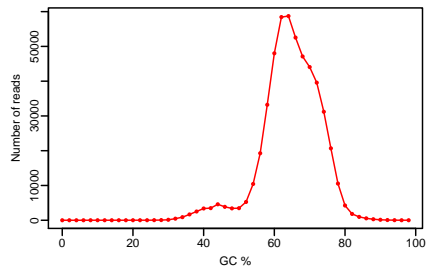
Pair end



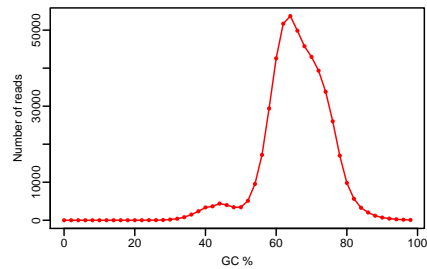
Tandem

GC content

Overall GC content 66.04%

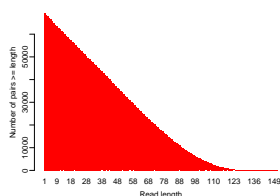


R1

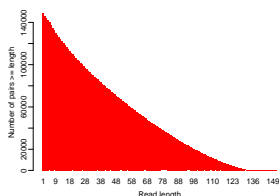


R2

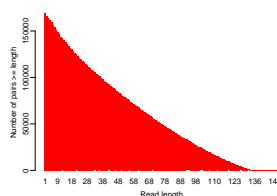
Shortest pair length



Category A pairs

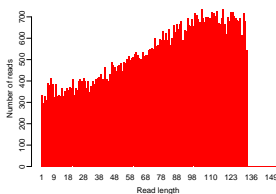


Category B pairs

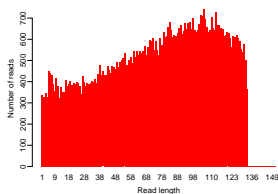


Category C pairs

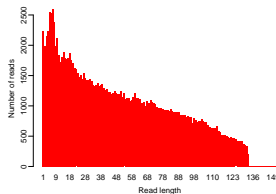
Clipped read lengths



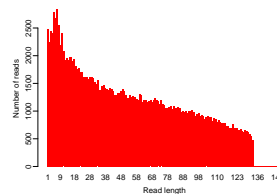
Category A R1 lengths



Category A R2 lengths



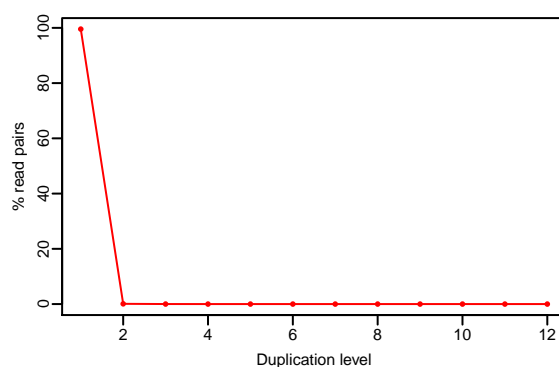
Category B R2 lengths



Category C R1 lengths

Duplication

Number of read pairs in library 516923
PCR duplicates 293 (0.06%)



Ambiguous bases

Number of pairs containing Ns 1802 (0.35%)

External adaptor

R1		R2
516923	Number of reads	516923
9704 (1.88%)	With junction adaptor and external adaptor	8973 (1.74%)
9702 (1.88%)	Without junction adaptor, but with external adaptor	9760 (1.89%)

Category A pairs also trimmed for external adaptor	11 (0.00%)
Category B pairs also trimmed for external adaptor	132 (0.03%)
Category C pairs also trimmed for external adaptor	198 (0.04%)
Category D pairs also trimmed for external adaptor	10187 (1.97%)

Notes

Minimum contig size for alignment to reference	0
Maximum allowed MP insert	25000
Maximum allowed PE insert	1000
Maximum allowed tandem insert	10000