

Attention: this file was produced automatically, and some statistics might not make sense for certain pipelines.

Revision: b'bigraph-v0.2.0-66-ga19488e'

This file contains statistics about the following genome(s):

- Minghui63_rs

Table 1: Genome Graph Statistics

Table 2: Algorithm Statistics

Parameter	inj uni sfa	inj Y-to-V sfa	wtdbg2 sfa	inj uni	inj Y-to-V	wtdbg2
min non-trivial omnitigs per macrotig	N/A	N/A	N/A	N/A	N/A	N/A
max non-trivial omnitigs per macrotig	N/A	N/A	N/A	N/A	N/A	N/A
median non-trivial omnitigs per macrotig	N/A	N/A	N/A	N/A	N/A	N/A
mean non-trivial omnitigs per macrotig	N/A	N/A	N/A	N/A	N/A	N/A
min edge length	1	1	N/A	1	1	N/A
max edge length	1493	1851	N/A	1493	1851	N/A
median edge length	3	5	N/A	3	5	N/A
mean edge length	25.7	61.4	N/A	25.7	61.4	N/A

Table 3: ContigValidator

Parameter	inj uni sfa	inj Y-to-V sfa	wtdbg2 sfa	inj uni	inj Y-to-V	wtdbg2
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Table 4: QUASt: # of contigs

Parameter	inj uni sfa	inj Y-to-V sfa	wtdbg2 sfa	inj uni	inj Y-to-V	wtdbg2
# contigs (≥ 0 bp)	5627	5921	7272	4110	5111	5383
# contigs (≥ 1000 bp)	5627	5921	7269	4110	5111	5383
# contigs (≥ 5000 bp)	5201	5567	7151	3948	4968	5315
# contigs (≥ 10000 bp)	4199	4647	5294	3253	4301	4169
# contigs (≥ 25000 bp)	2478	3414	2740	1797	3206	2078
# contigs (≥ 50000 bp)	1578	2747	1638	1158	2598	1196

Table 5: QUASt: total length of contigs

Parameter	inj uni sfa	inj Y-to-V sfa	wtdbg2 sfa	inj uni	inj Y-to-V	wtdbg2
Total length (≥ 0 bp)	393878276	784125526	425175679	397017079	785230492	427413611
Total length (≥ 1000 bp)	393878276	784125526	425173455	397017079	785230492	427413611
Total length (≥ 5000 bp)	392442461	782932558	424662434	396383023	784671955	427110935
Total length (≥ 10000 bp)	385227381	776296136	411241959	391352518	779811406	418655354
Total length (≥ 25000 bp)	356992951	756702372	370188746	367476049	762320923	384572527
Total length (≥ 50000 bp)	325194464	732718614	331781031	345373791	740391786	354718752

Table 6: QUASt: statistics for contigs ≥ 500 bp (or 3000bp for QUASt-LG)

Parameter	inj uni sfa	inj Y-to-V sfa	wtdbg2 sfa	inj uni	inj Y-to-V	wtdbg2
# contigs	5462	5782	7258	4091	5091	5379
Largest contig	1674398	2079298	1684766	2535574	2079298	2548712
Total length	393511341	783811658	425147624	396963852	785174946	427404385
Reference length	387424359	387424359	387424359	387424359	387424359	387424359
GC (%)	43.47	43.25	43.73	43.51	43.26	43.76
Reference GC (%)	43.61	43.61	43.61	43.61	43.61	43.61
N50	232235	383612	208730	418997	411577	395601
NG50	238379	643825	241742	444956	718663	471403
N75	88696	182017	63526	150378	201798	118080
NG75	94502	497544	100278	167962	553831	184039
L50	454	614	521	247	561	269
LG50	441	208	437	236	192	223
L75	1129	1358	1408	634	1230	753
LG75	1079	380	1056	588	347	551

Table 7: QUASt: alignment statistics for contigs ≥ 500 bp (or 3000bp for QUASt-LG)

Parameter	inj uni sfa	inj Y-to-V sfa	wtdbg2 sfa	inj uni	inj Y-to-V	wtdbg2
# misassemblies	963	1974	1379	1260	2230	1836
# unique misassemblies	883	1353	1240	1159	1595	1679
# misassembled contigs	416	922	600	573	1066	821
Misassembled contigs length	43600629	200792832	50541315	121094363	241762312	131023598
# local misassemblies	589	1232	702	612	1256	774
# unique local misassemblies	424	594	503	437	620	535
# scaffold gap ext. mis.	0	0	0	0	0	0
# scaffold gap loc. mis.	0	0	0	0	0	0
# possible TEs	84	298	96	90	292	100
# unaligned mis. contigs	30	28	66	23	22	43
# unaligned contigs	8+428p	6+726p	21+684p	5+394p	5+702p	12+620p
Unaligned length	2834398	4729314	3950227	2935826	4771736	4051938
Genome fraction (%)	91.322	93.483	93.356	91.773	93.714	93.692
Duplication ratio	1.104	2.151	1.165	1.108	2.149	1.166
# N's per 100 kbp	0.00	0.00	0.00	0.00	0.00	0.00
# mismatches per 100 kbp	79.82	73.79	107.25	80.93	73.89	108.41
# indels per 100 kbp	51.85	46.74	59.78	53.79	47.68	61.63
Largest alignment	1327097	2072727	1328761	1768788	2072727	1955267
Total aligned length	390464875	778196658	420899397	393731427	779460643	422921384
EA50max	226229	388816	231131	379723	415186	388255
Strict EA50max	214686	357606	218524	343456	381879	363781
NGA50	226229	578174	231209	379723	618708	388255
EA75max	86334	163566	90513	136414	180659	151147
Strict EA75max	81245	150807	85998	127934	168425	141431
NGA75	86406	438637	90717	137462	477962	152141
LGA50	462	234	458	279	218	267
LGA75	1148	426	1123	699	396	663

Table 8: QUASt: misassembly statistics for contigs ≥ 500 bp (or 3000bp for QUASt-LG)

Parameter	inj uni sfa	inj Y-to-V sfa	wtdbg2 sfa	inj uni	inj Y-to-V	wtdbg2
# misassemblies	963	1974	1379	1260	2230	1836
# contig misassemblies	963	1974	1379	1260	2230	1836
# c. relocations	230	541	283	301	603	378
# c. translocations	726	1423	1088	949	1616	1446
# c. inversions	7	10	8	10	11	12
# scaffold misassemblies	0	0	0	0	0	0
# s. relocations	0	0	0	0	0	0
# s. translocations	0	0	0	0	0	0
# s. inversions	0	0	0	0	0	0
# misassembled contigs	416	922	600	573	1066	821
Misassembled contigs length	43600629	200792832	50541315	121094363	241762312	131023598
# local misassemblies	589	1232	702	612	1256	774
# scaffold gap ext. mis.	0	0	0	0	0	0
# scaffold gap loc. mis.	0	0	0	0	0	0
# mis. caused by frag. ref.	0	0	0	0	0	0
# possible TEs	84	298	96	90	292	100
# unaligned mis. contigs	30	28	66	23	22	43
# mismatches	311668	574234	451399	318639	575929	458476
# indels	202451	363703	251599	211791	371627	260633
# indels (≤ 5 bp)	200888	359138	249694	210169	367005	258675
# indels (> 5 bp)	1563	4565	1905	1622	4622	1958
Indels length	489449	1101309	560403	539693	1144941	605495

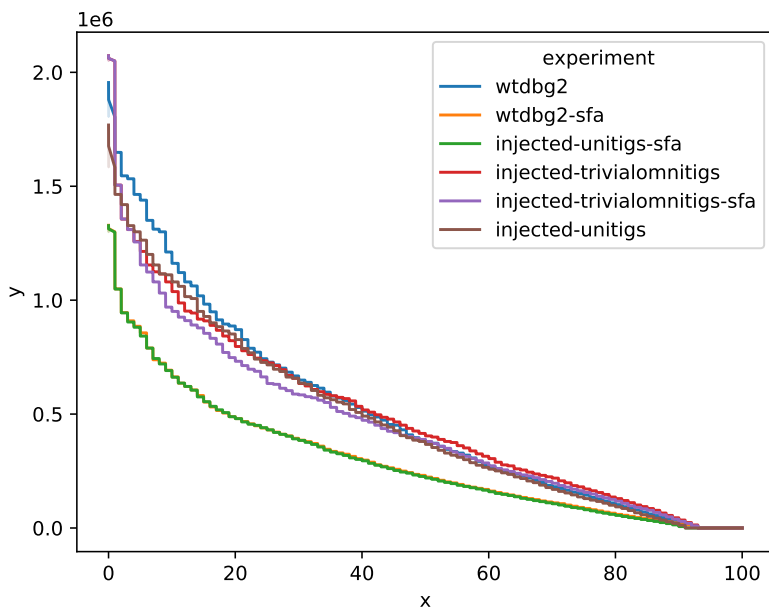


Figure 1: EAxmax

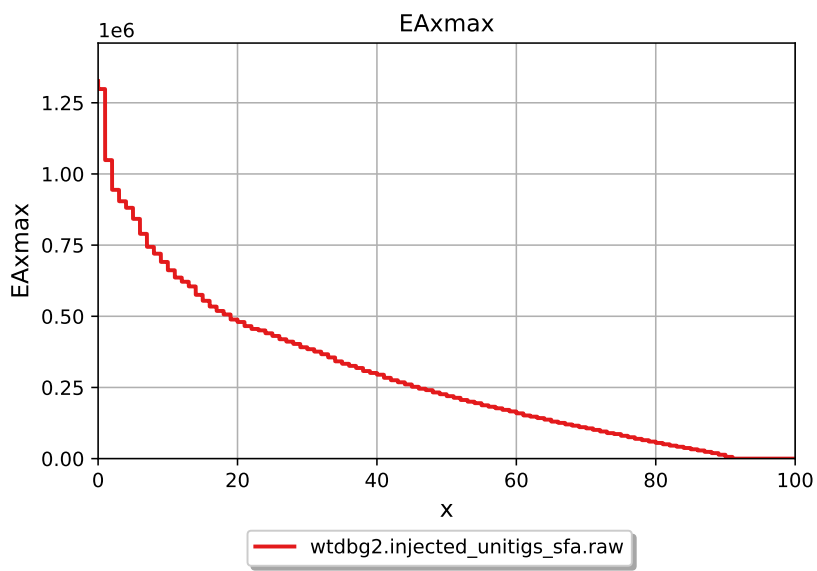


Figure 2: QUASt EAXmax graph for inj uni sfa

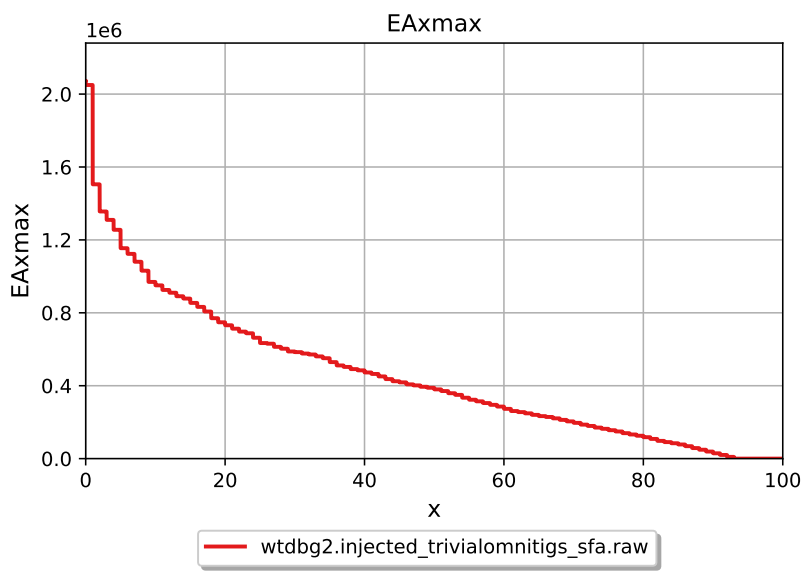


Figure 3: QUAST EAxmax graph for inj Y-to-V sfa

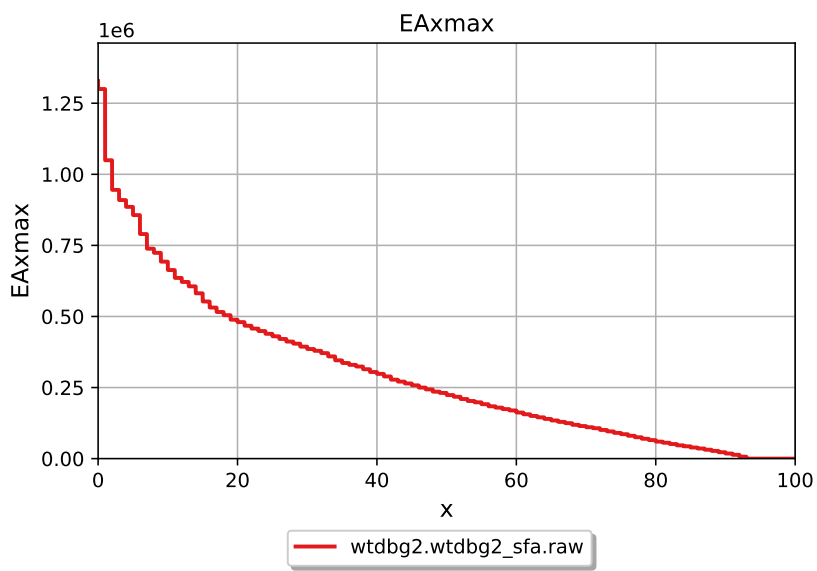


Figure 4: QUAST EAxmax graph for wtdbg2 sfa

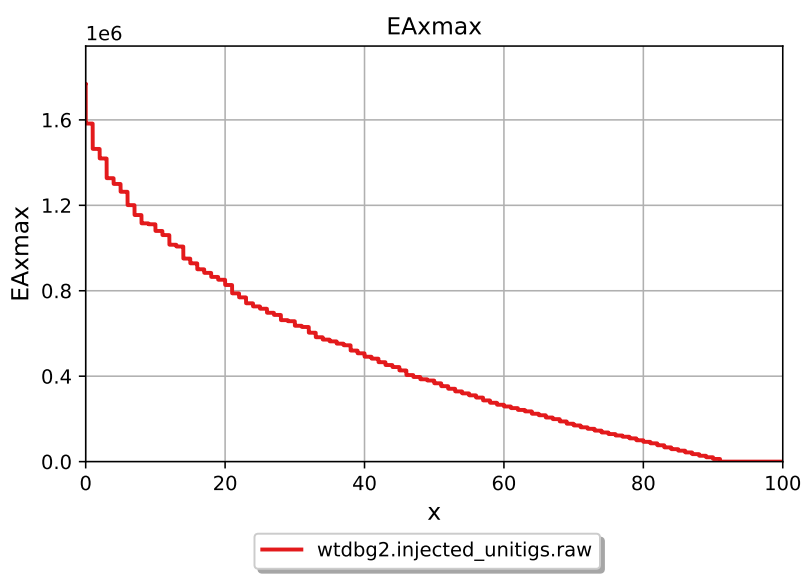


Figure 5: QUAST EAxmax graph for inj uni

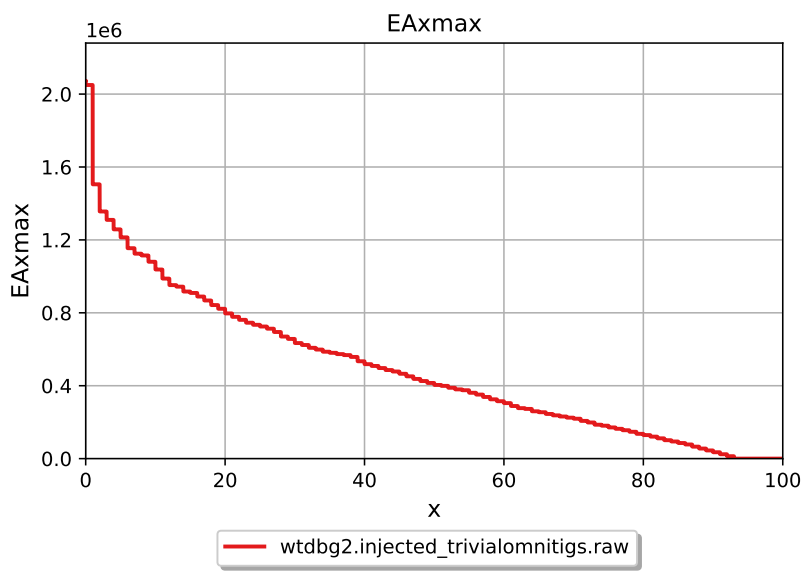


Figure 6: QUASt EAXmax graph for inj Y-to-V

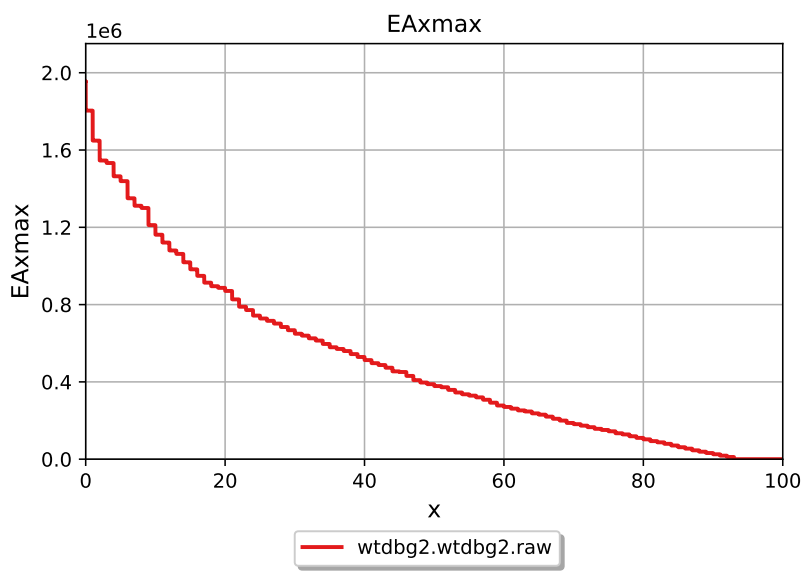


Figure 7: QUAST EAxmax graph for wtdbg2

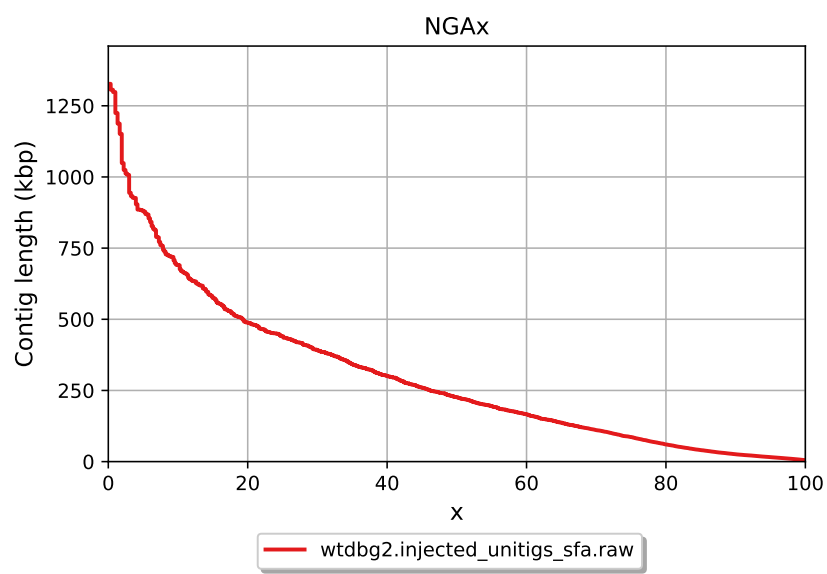


Figure 8: QUAST NGAx graph for inj uni sfa

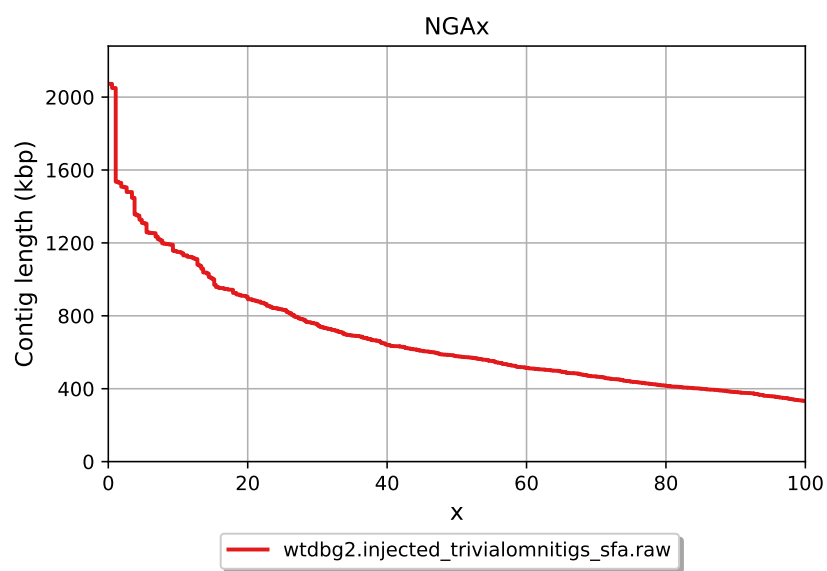


Figure 9: QUAST NGAx graph for inj Y-to-V sfa

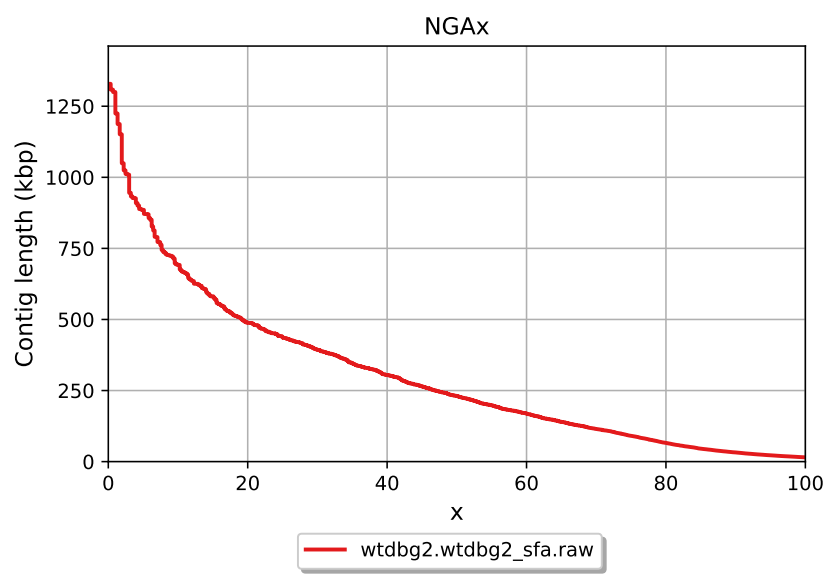


Figure 10: QUAST NGAx graph for wtdbg2 sfa

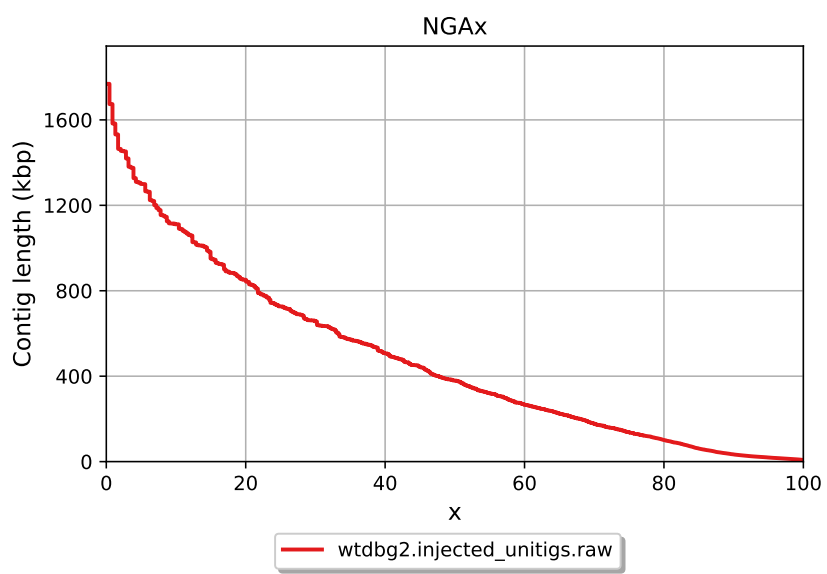


Figure 11: QUAST NGAx graph for inj uni

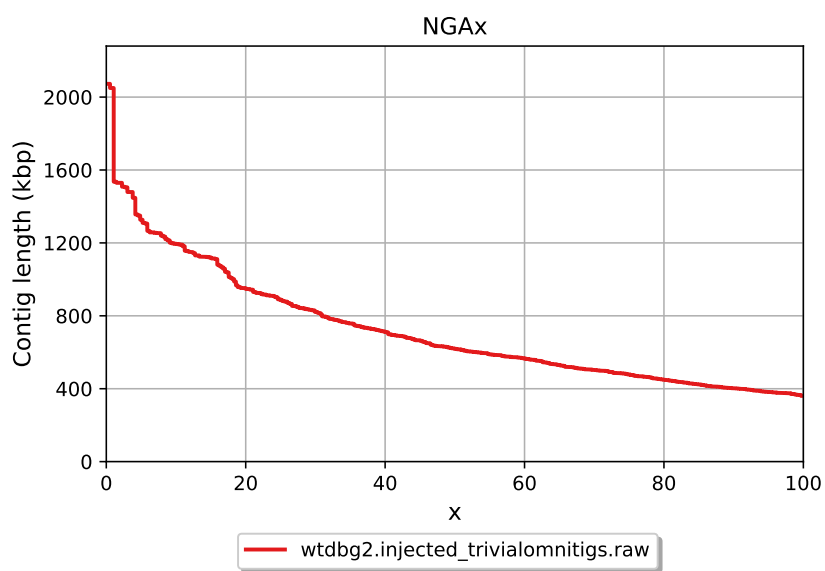


Figure 12: QUAST NGAx graph for inj Y-to-V

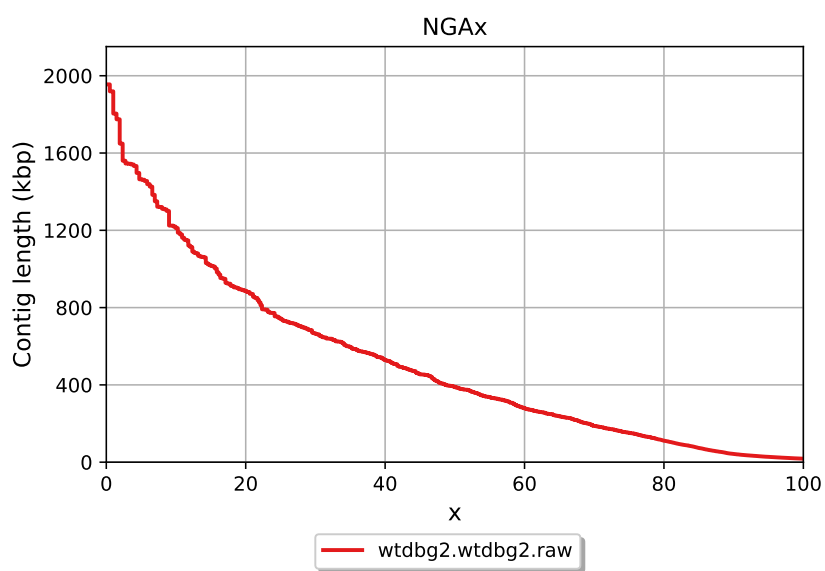


Figure 13: QUAST NGAx graph for wtdbg2