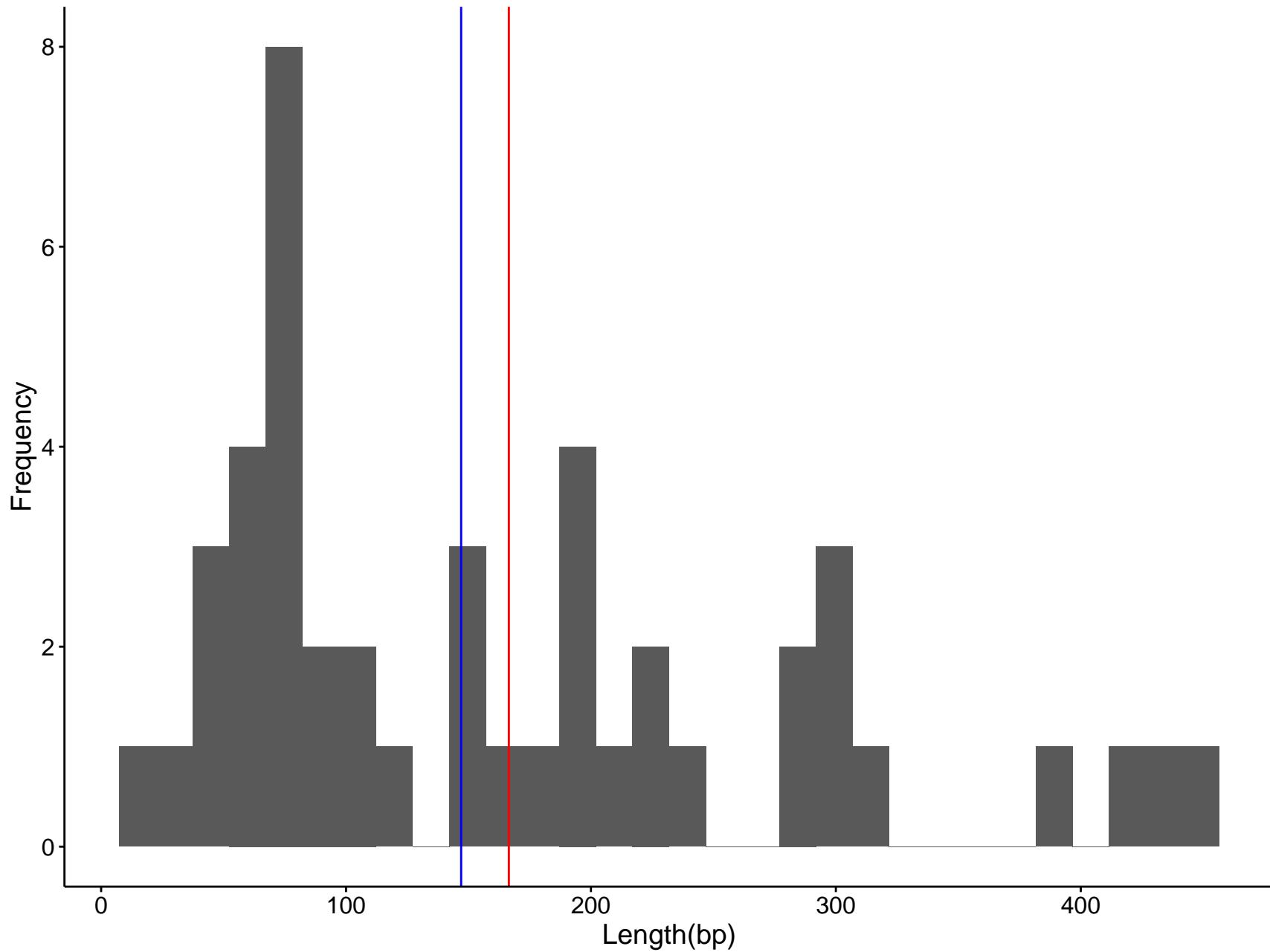
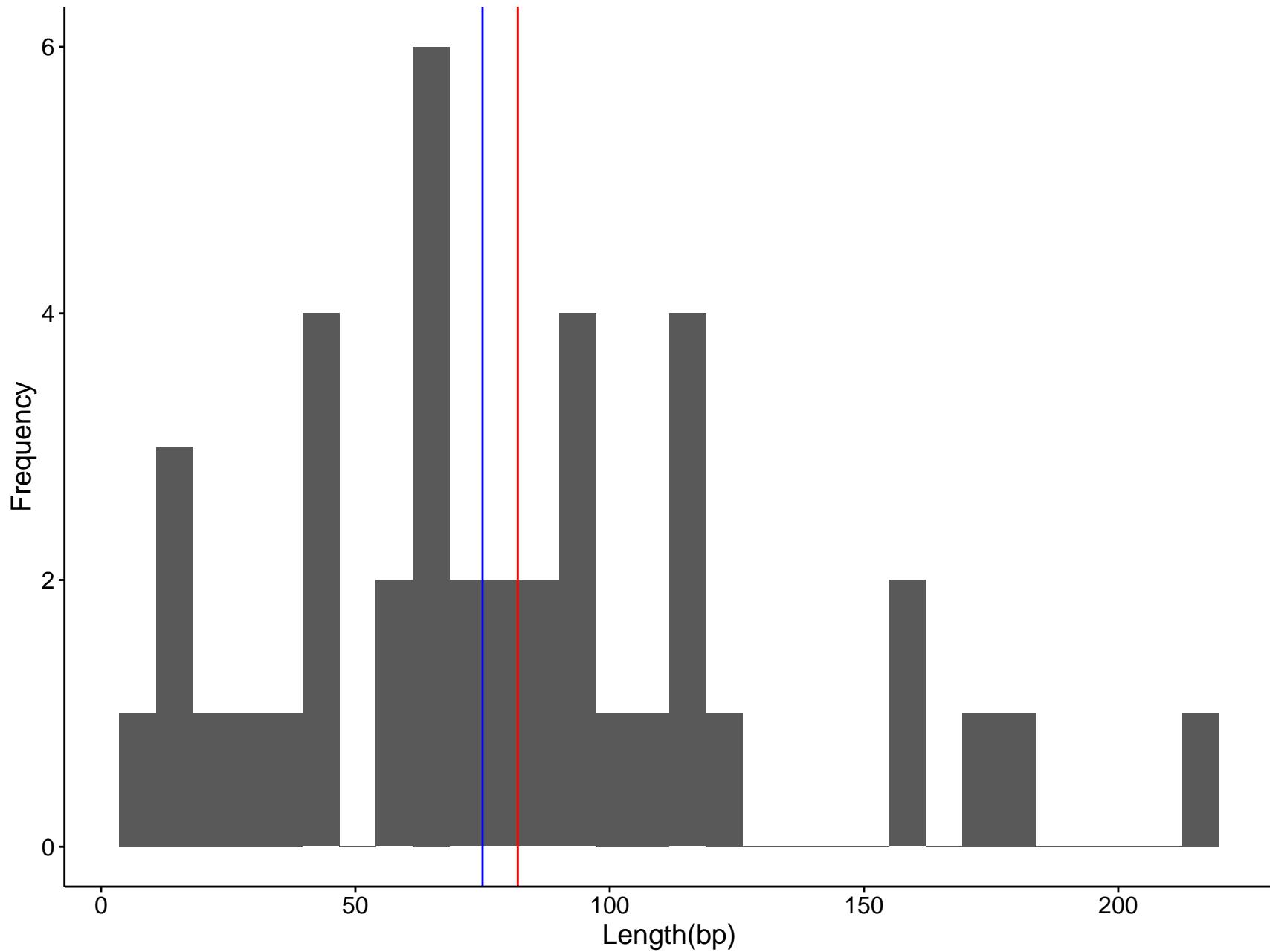
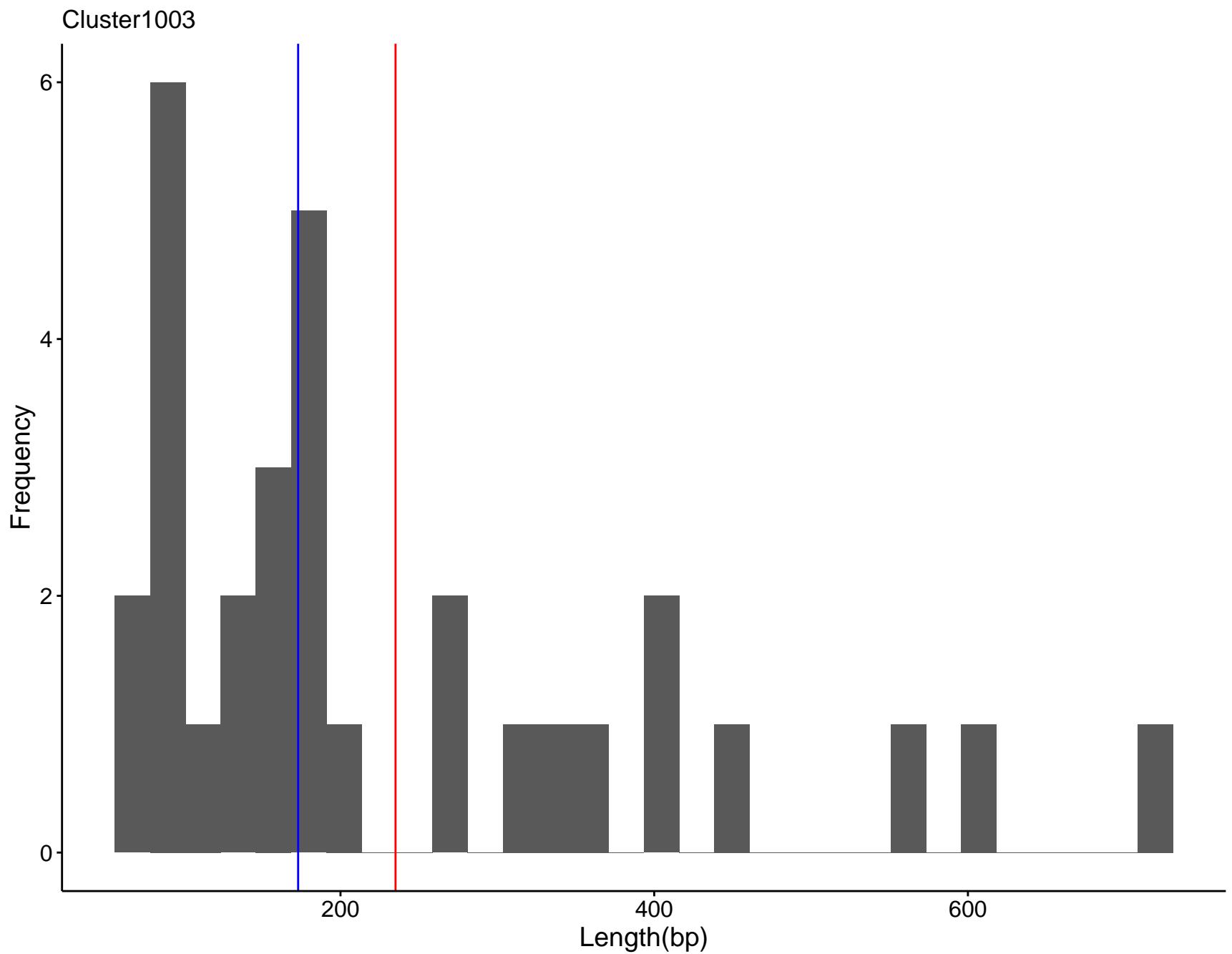


Cluster1000

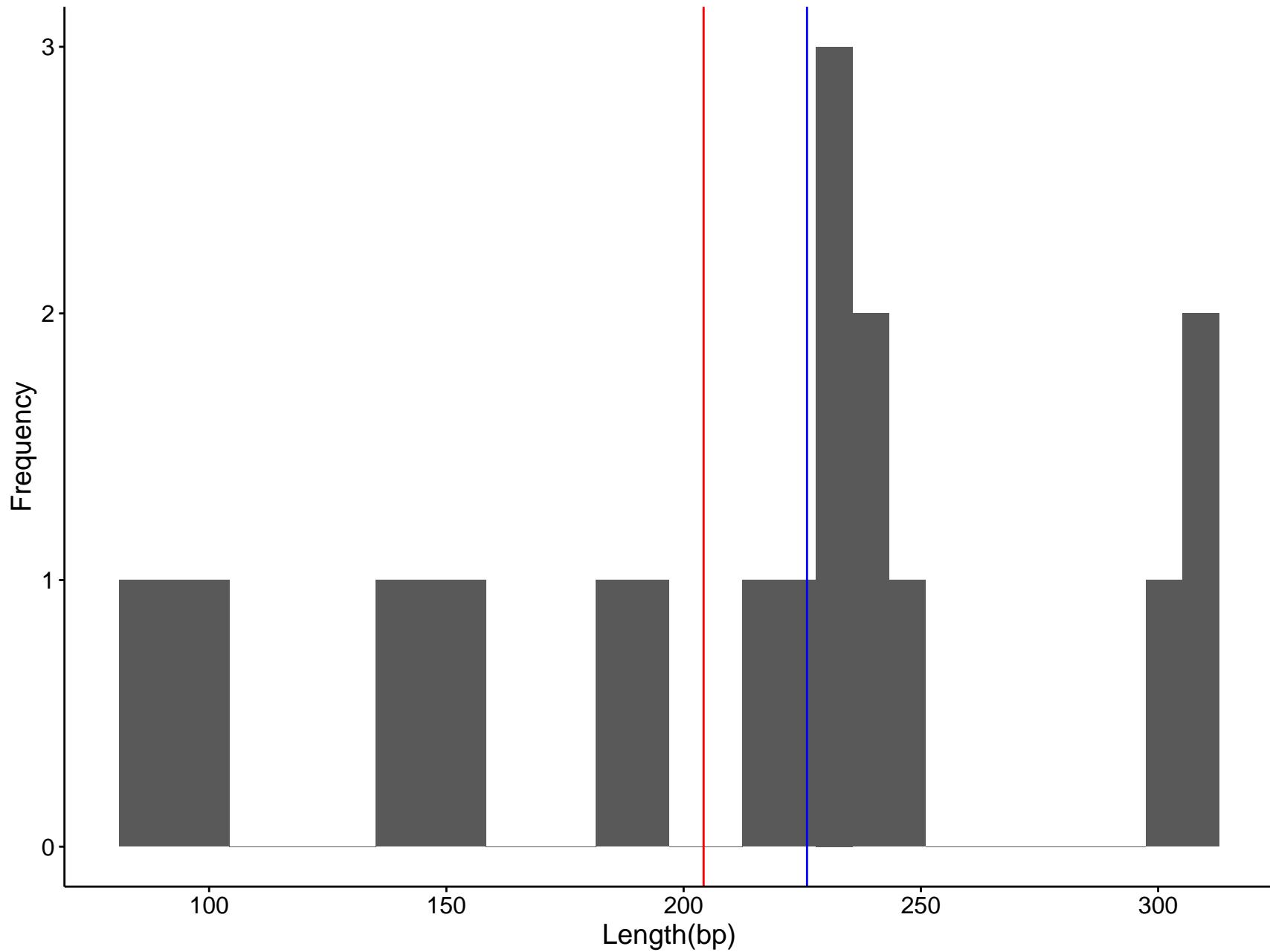


Cluster1002

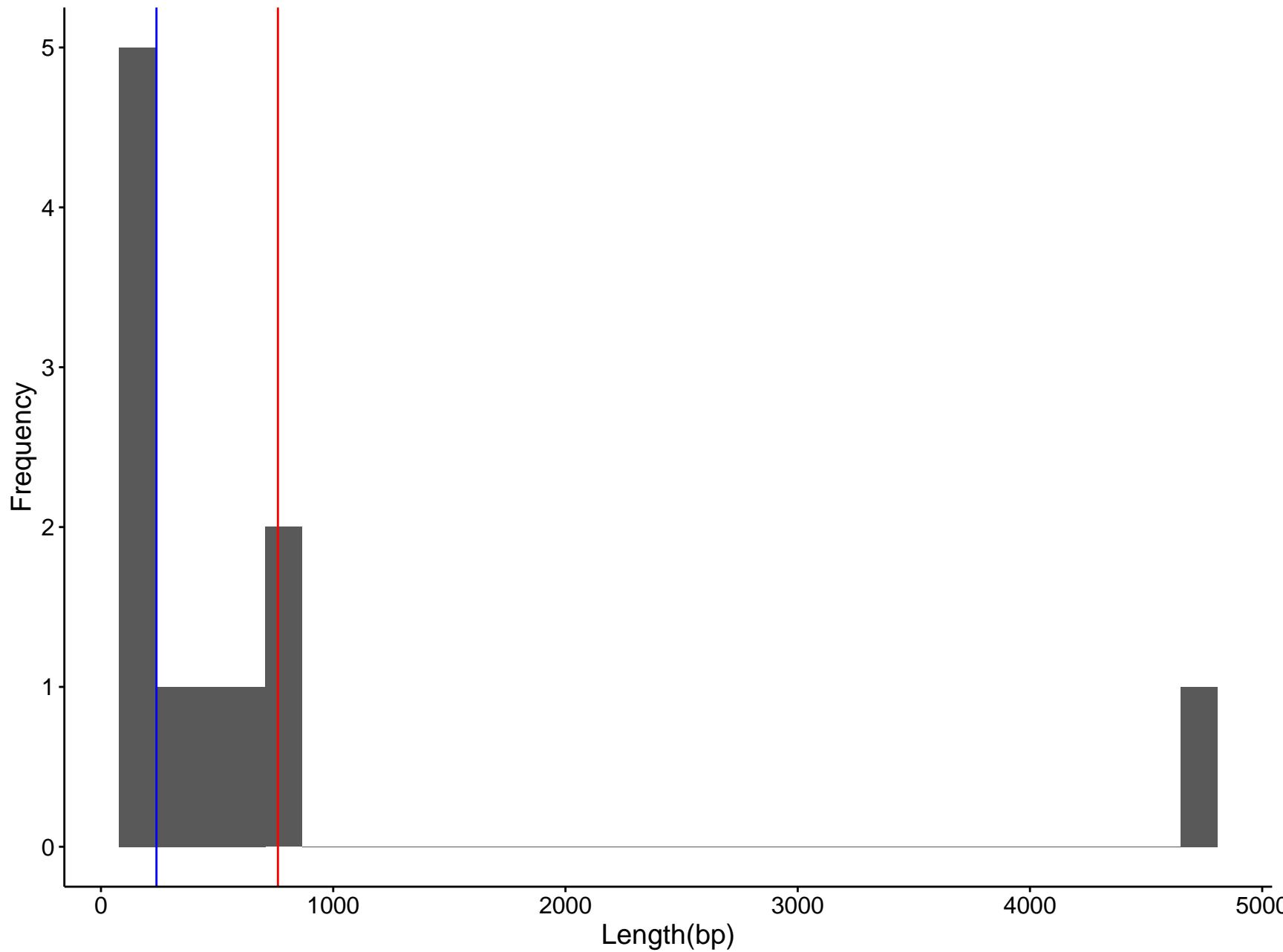




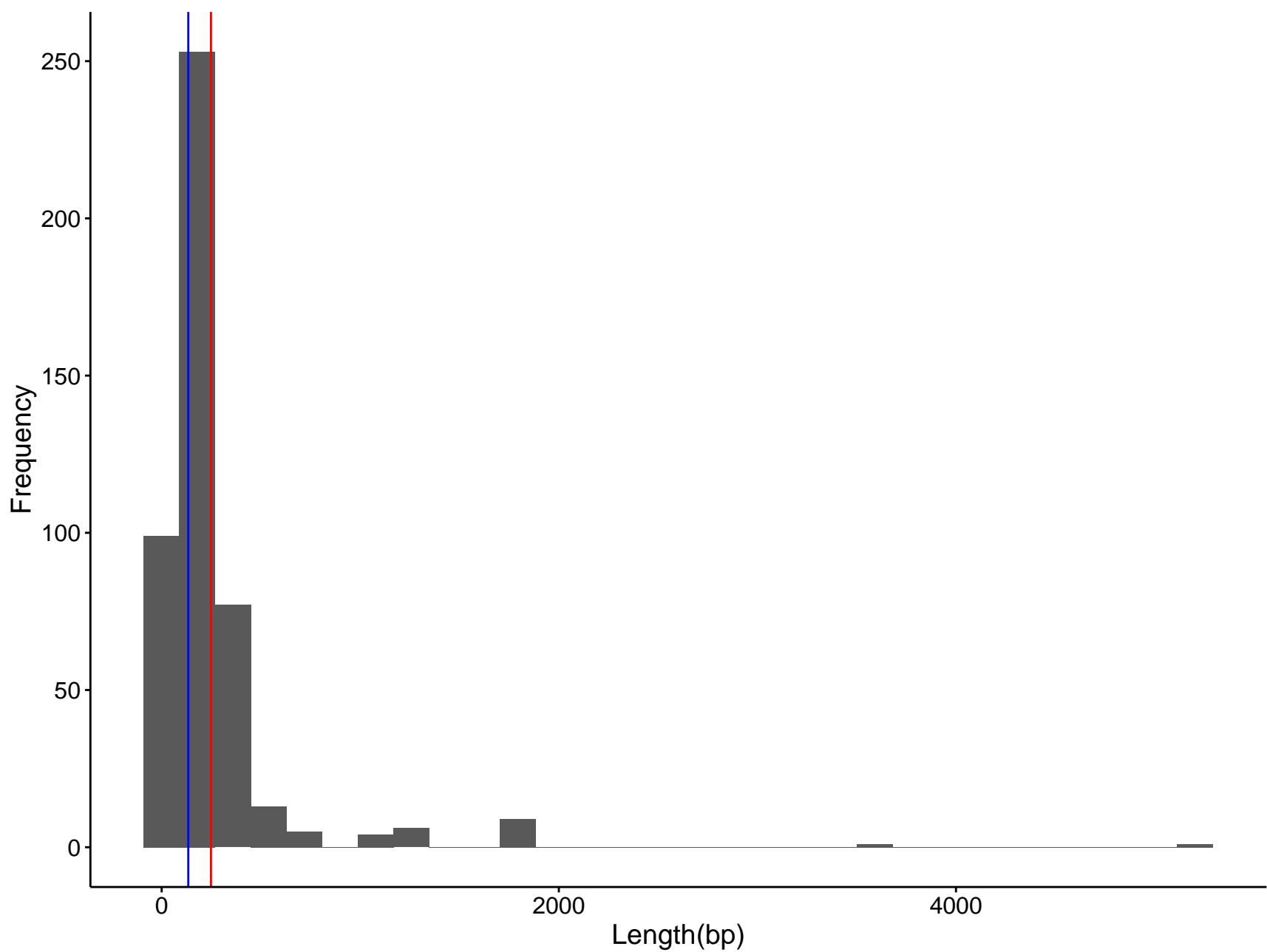
Cluster1004



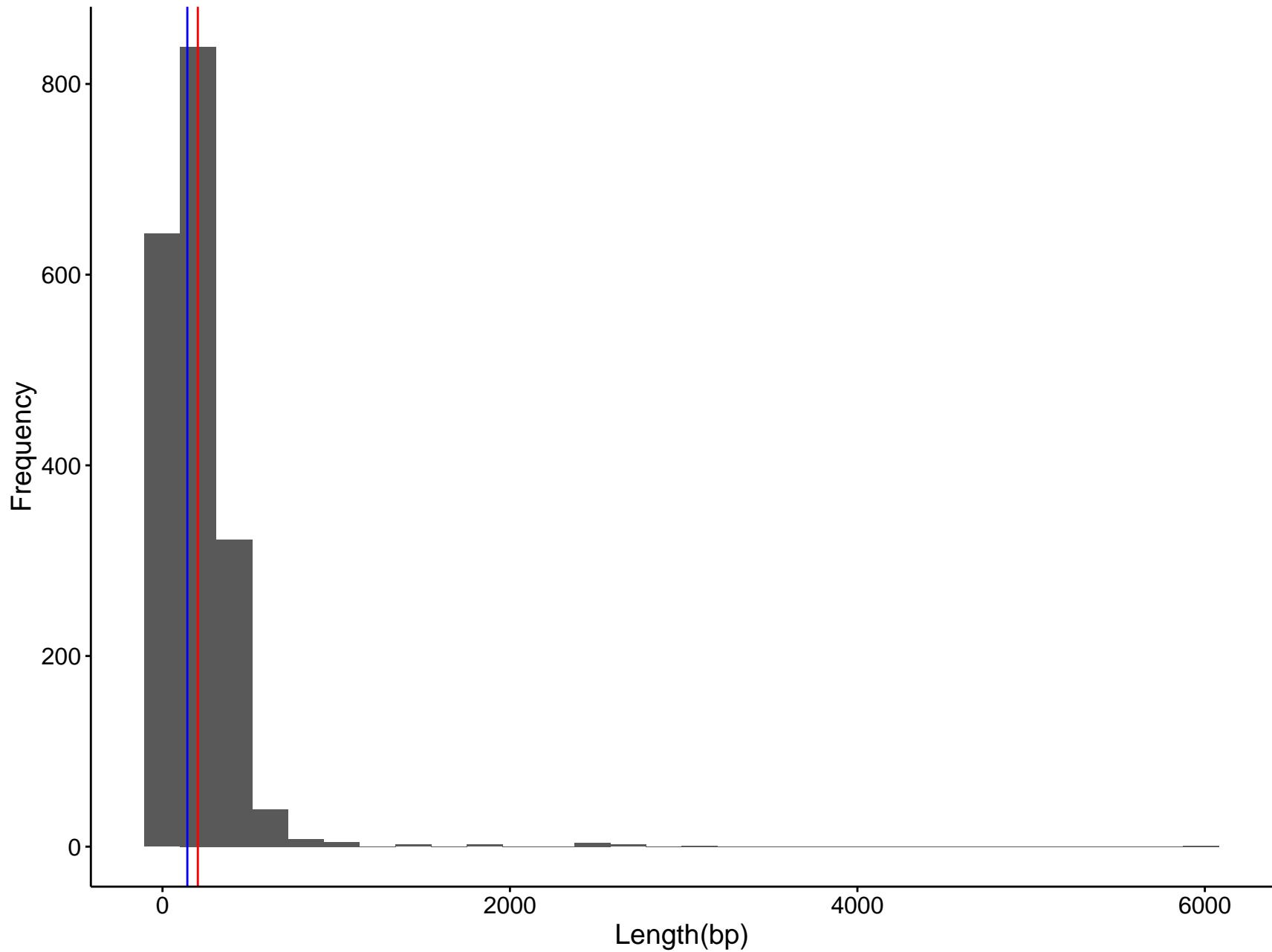
Cluster1005



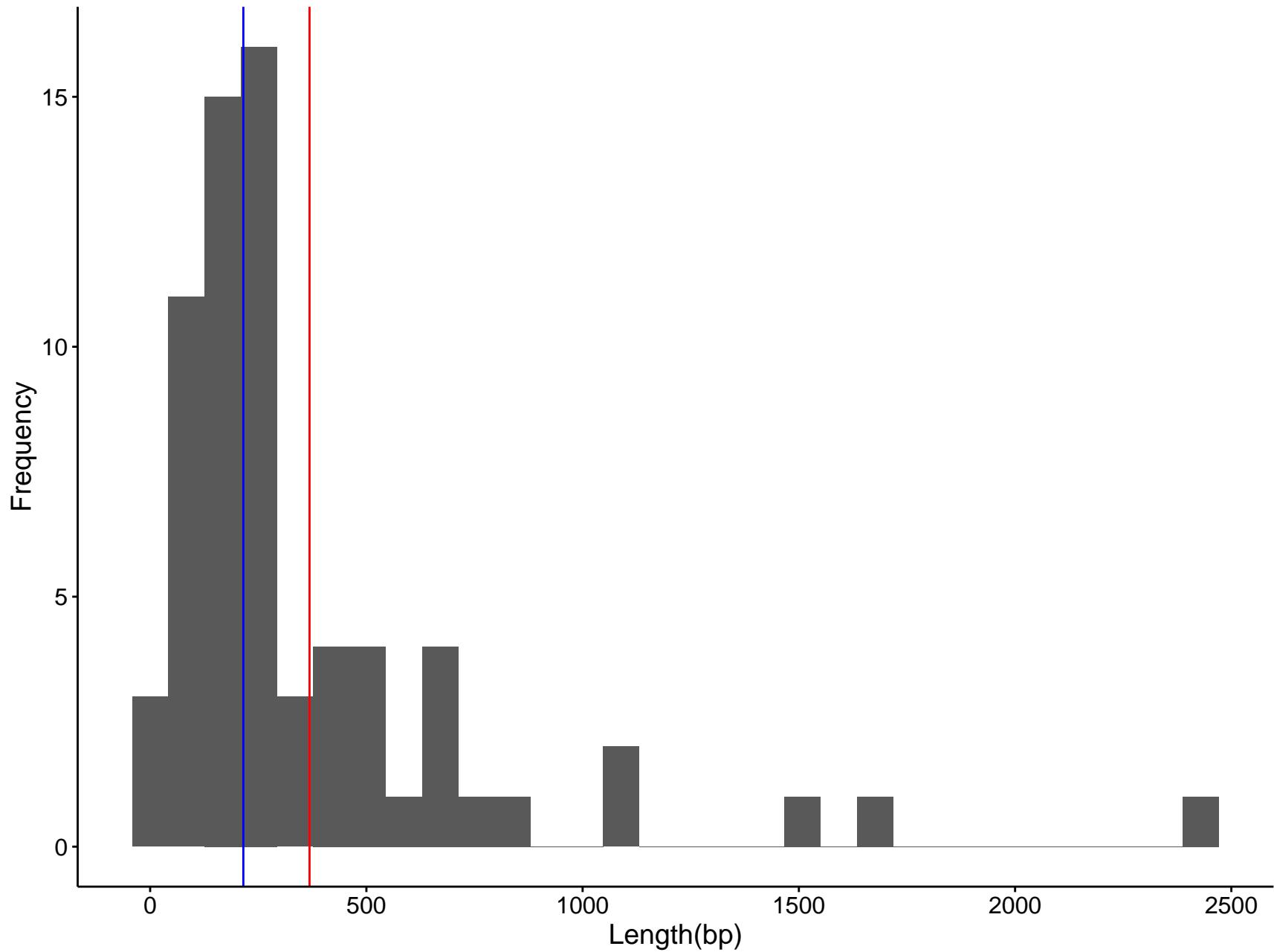
Cluster1006



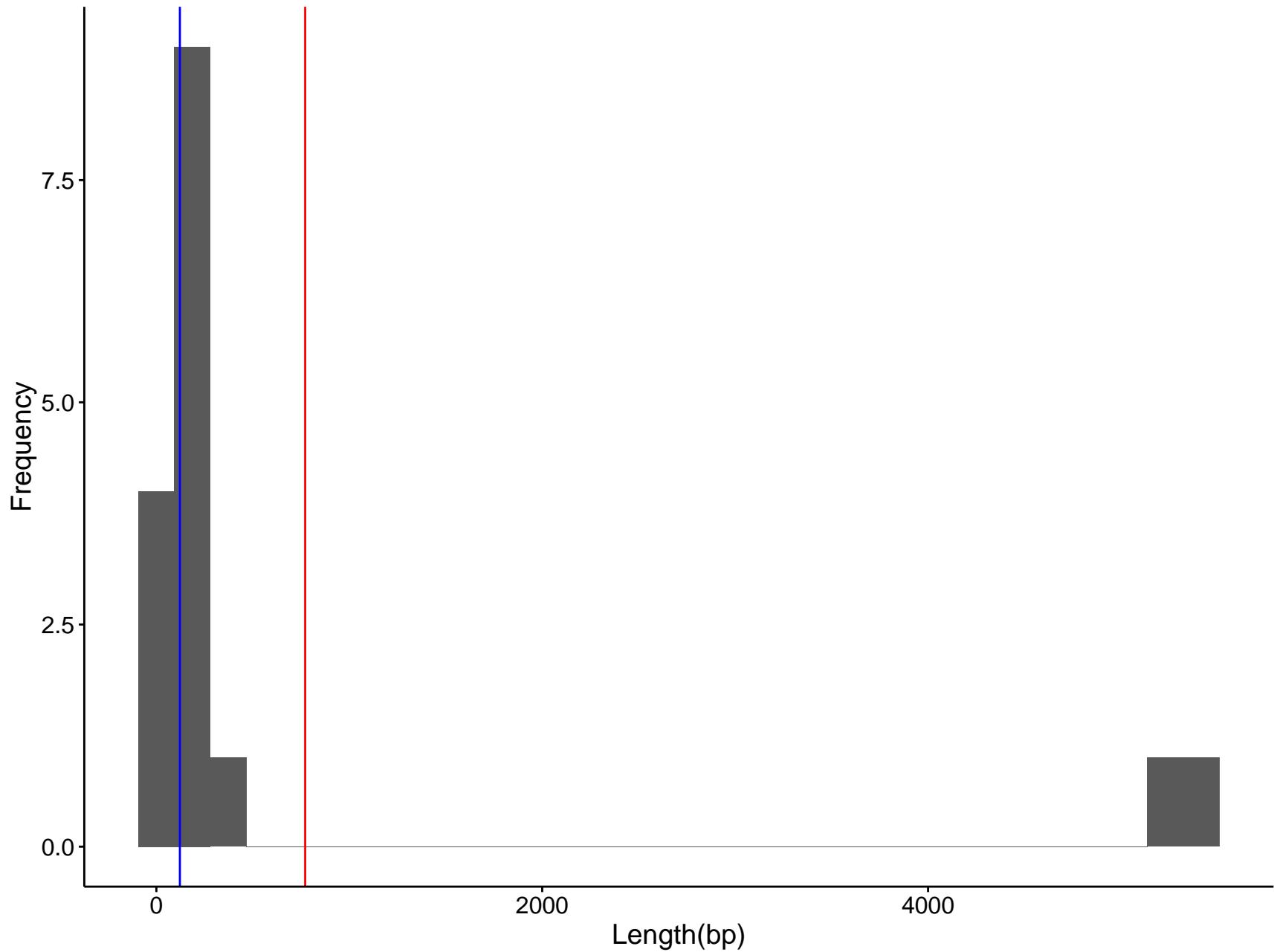
Cluster1007



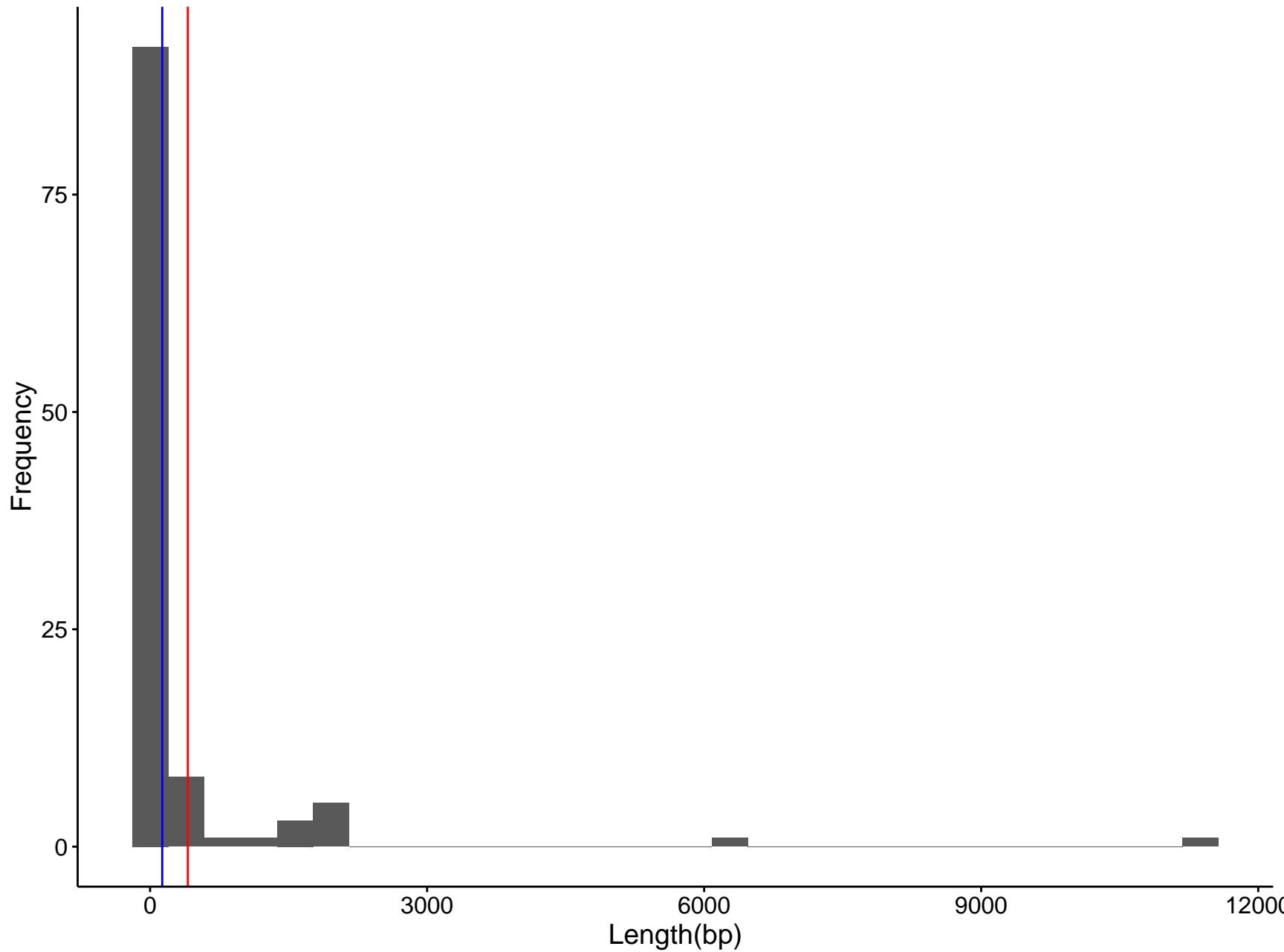
Cluster1008



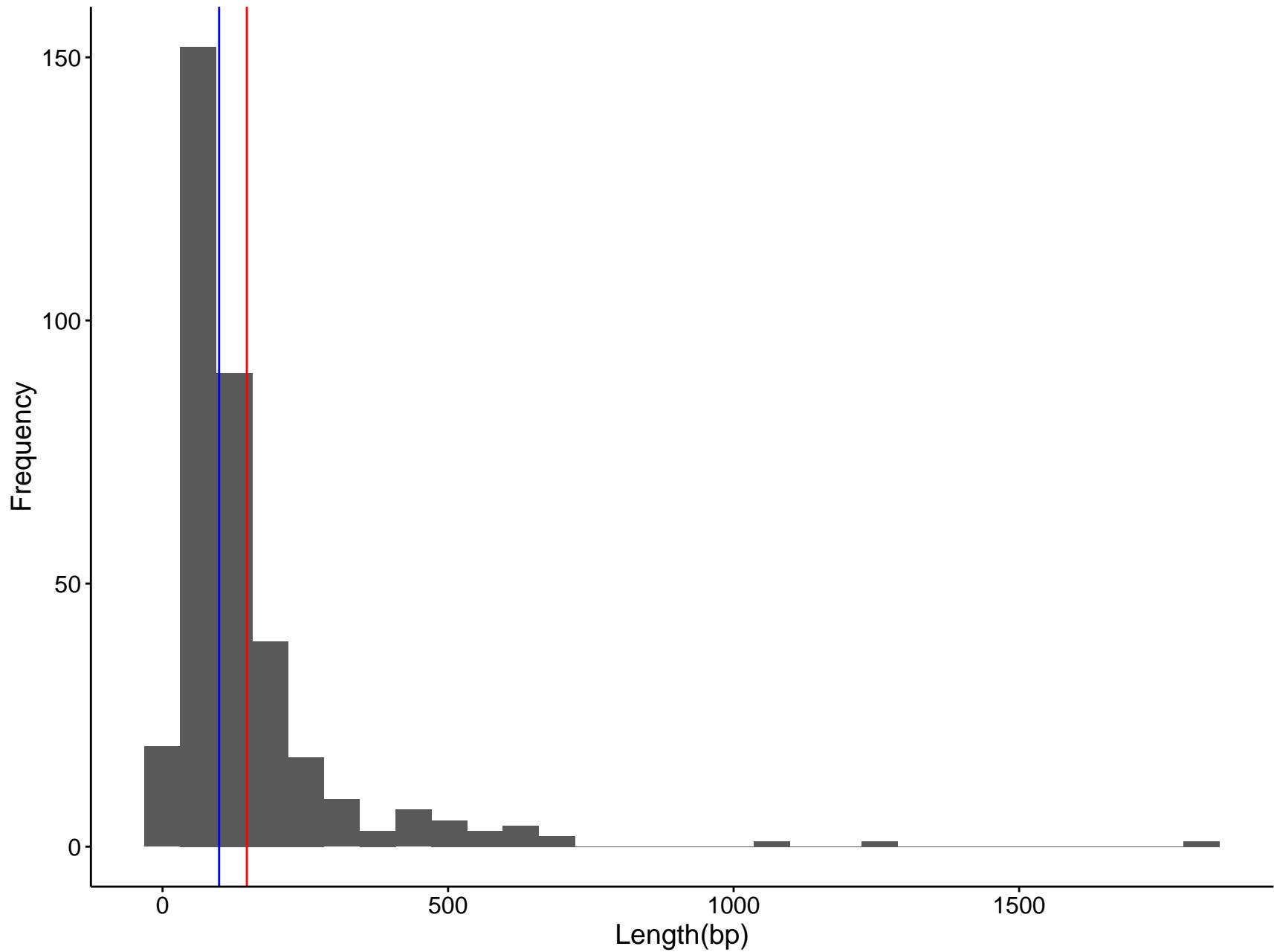
Cluster1009



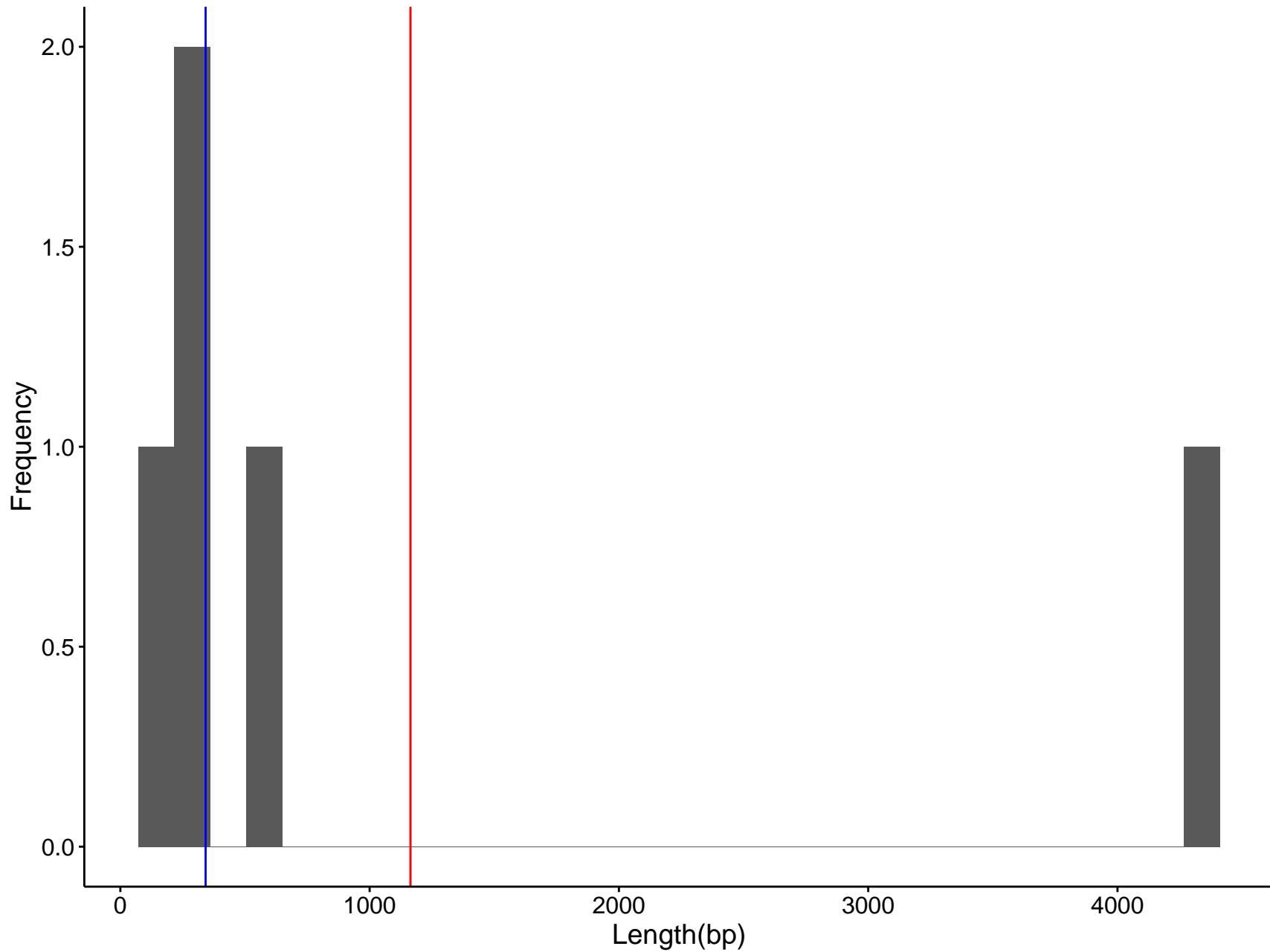
Cluster100



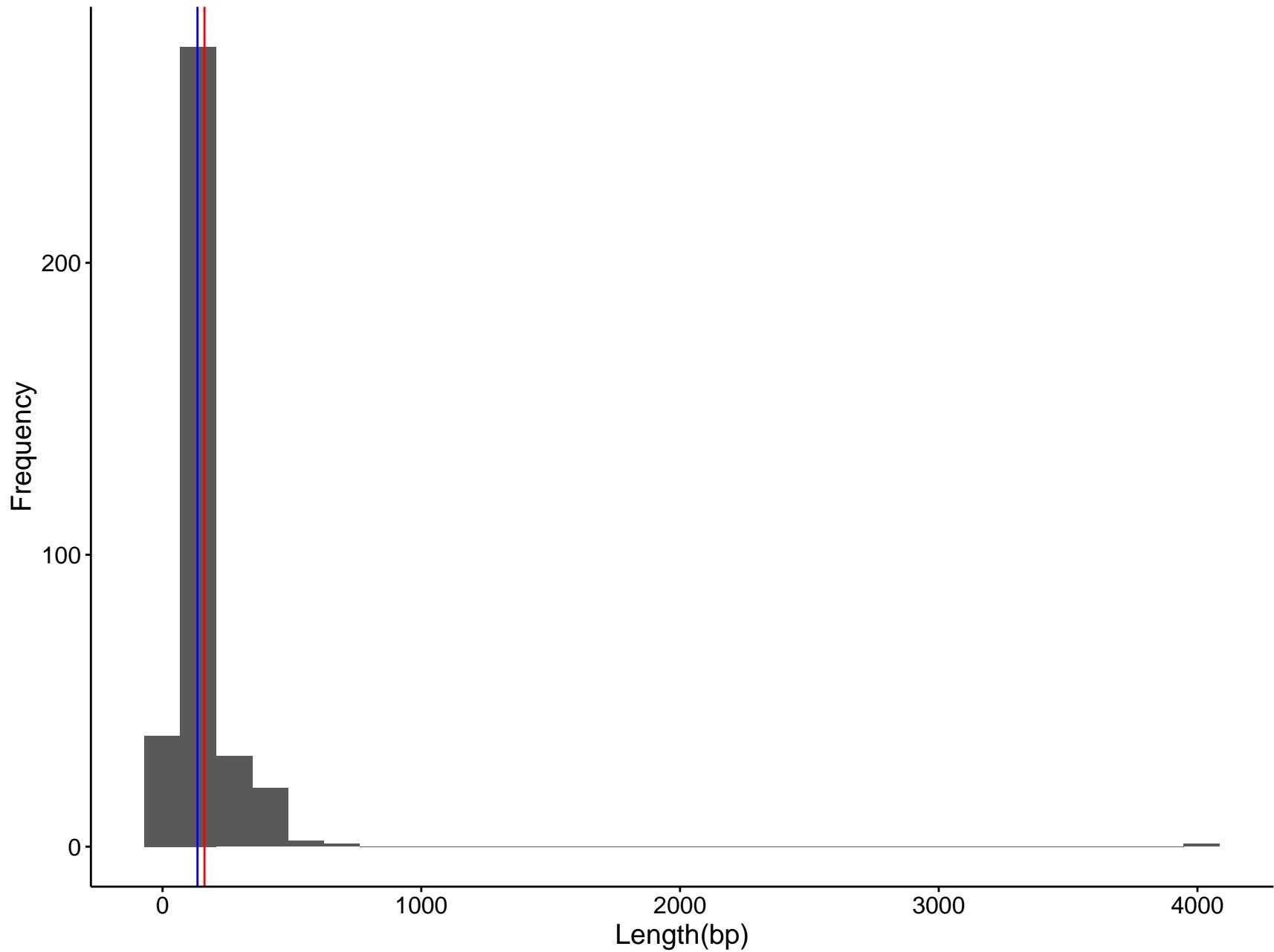
Cluster1010



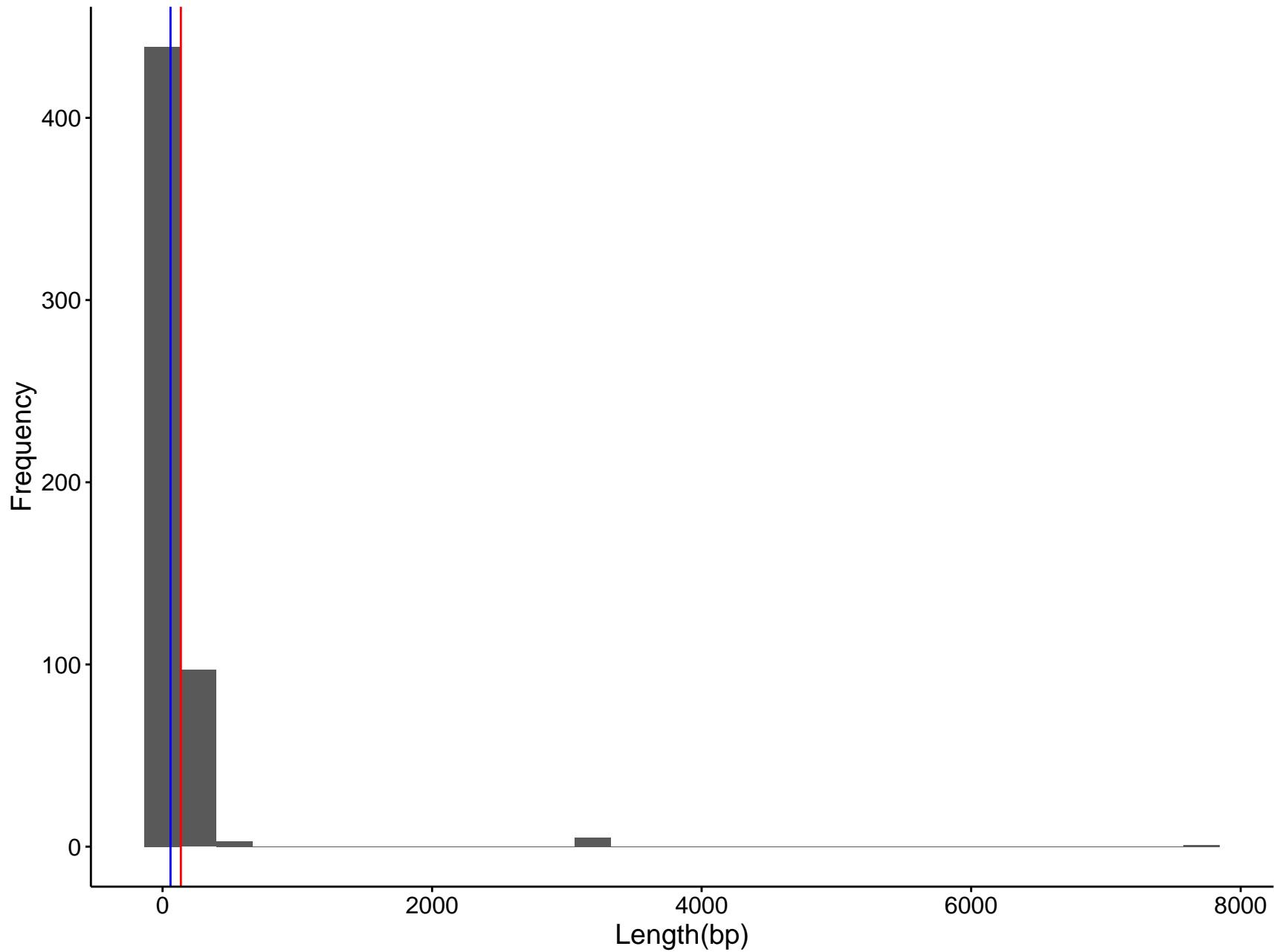
Cluster1011



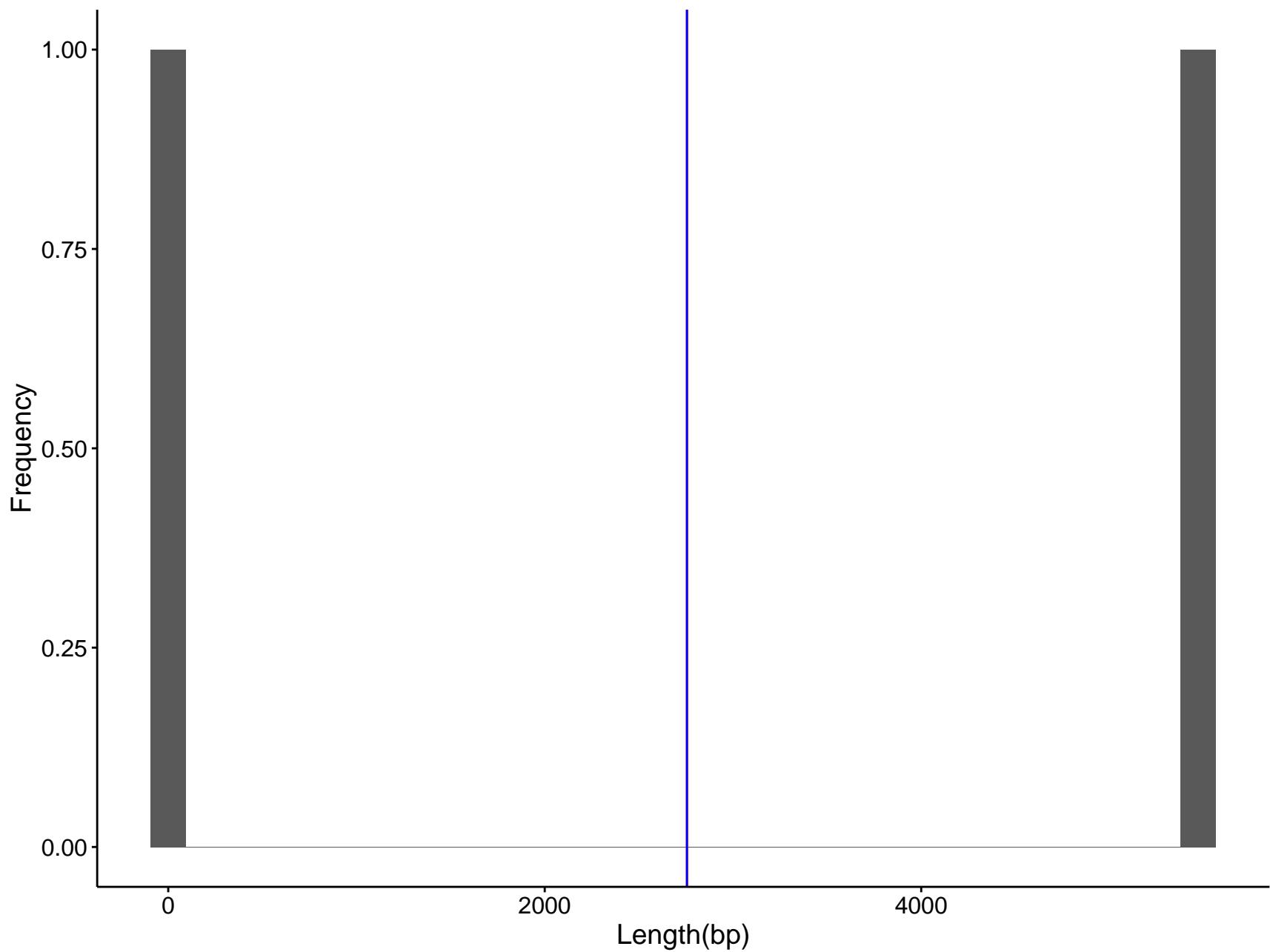
Cluster1012



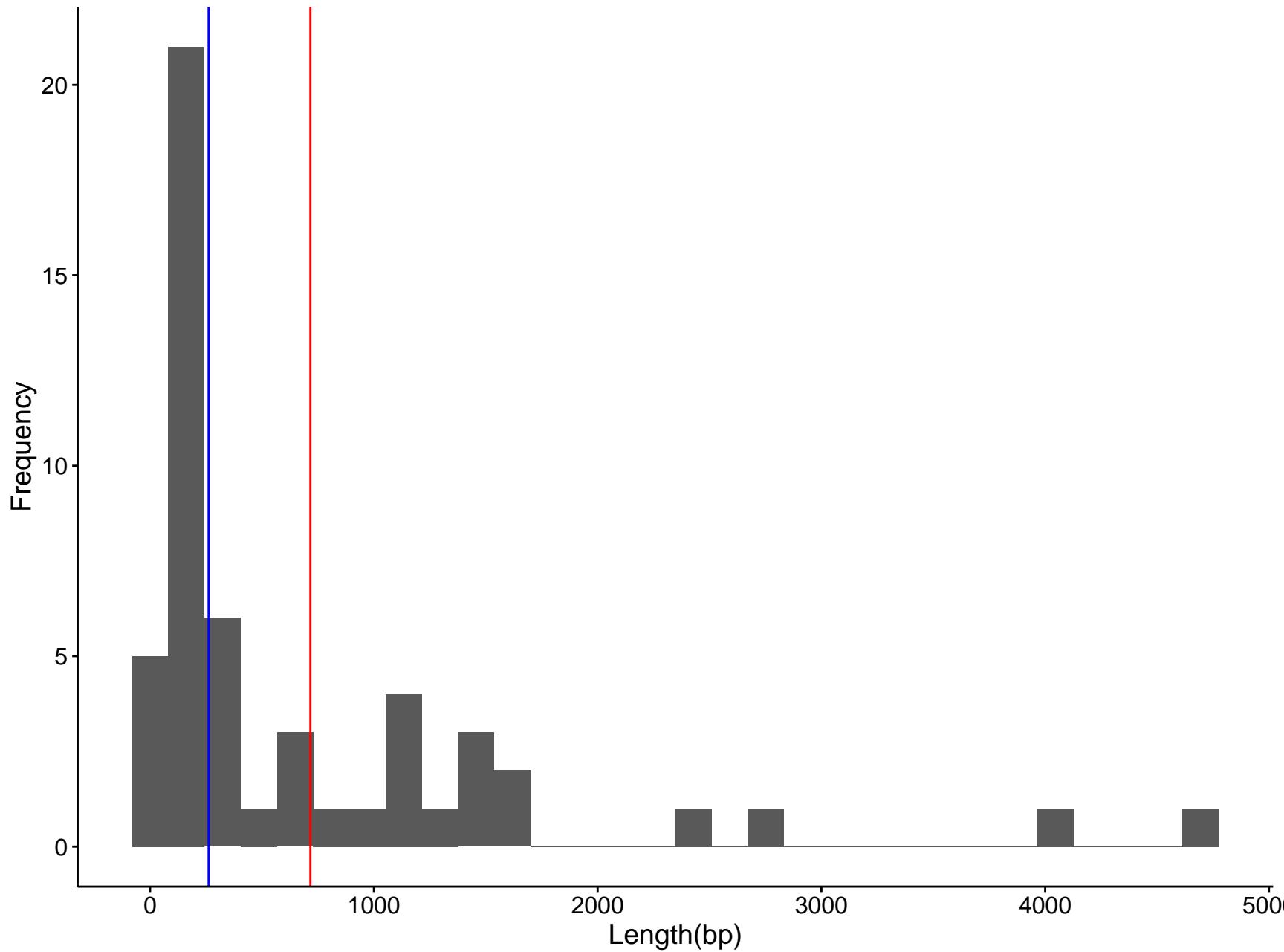
Cluster1013



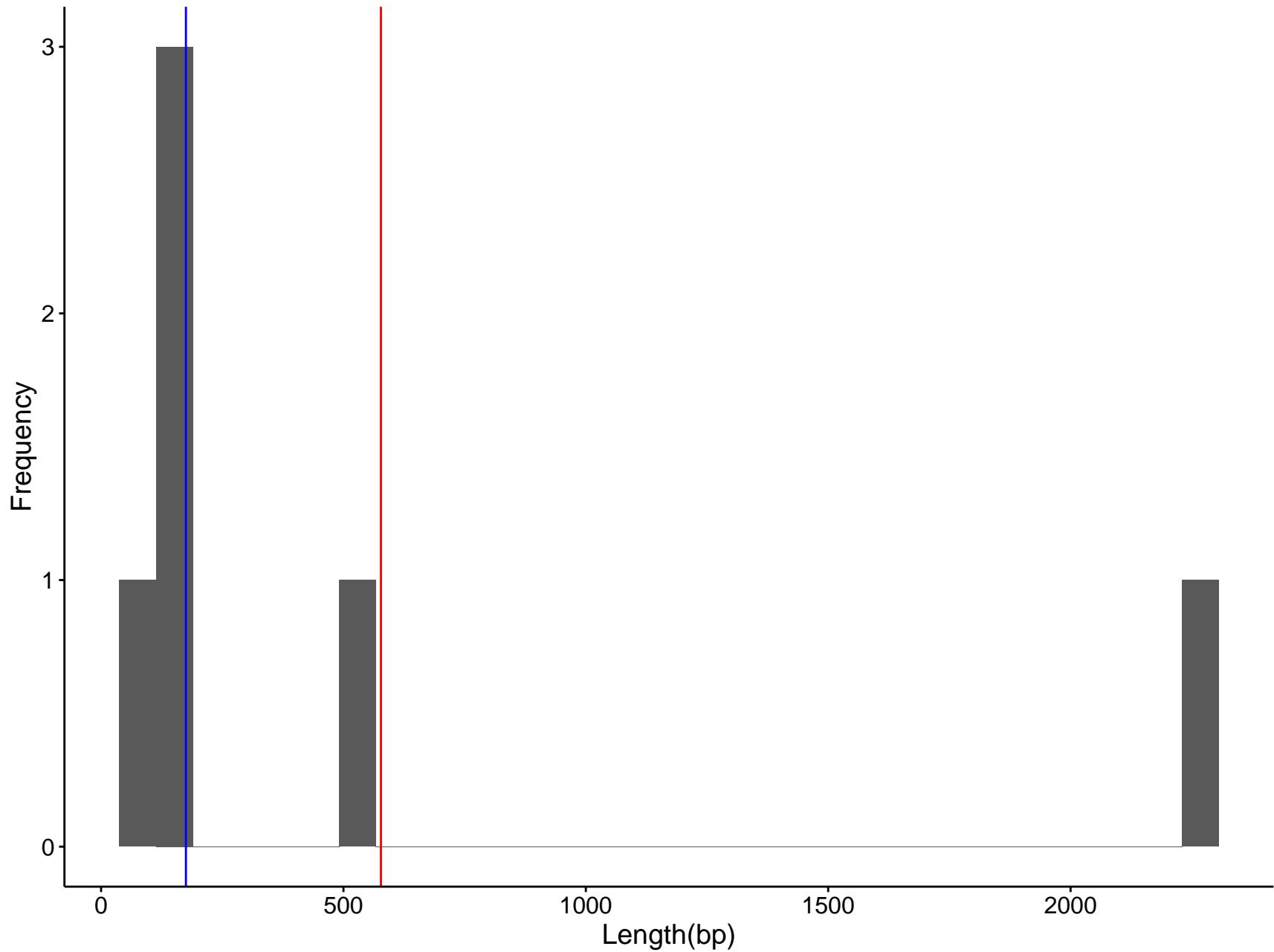
Cluster1014



Cluster1015



Cluster1016



# Cluster1017

Frequency

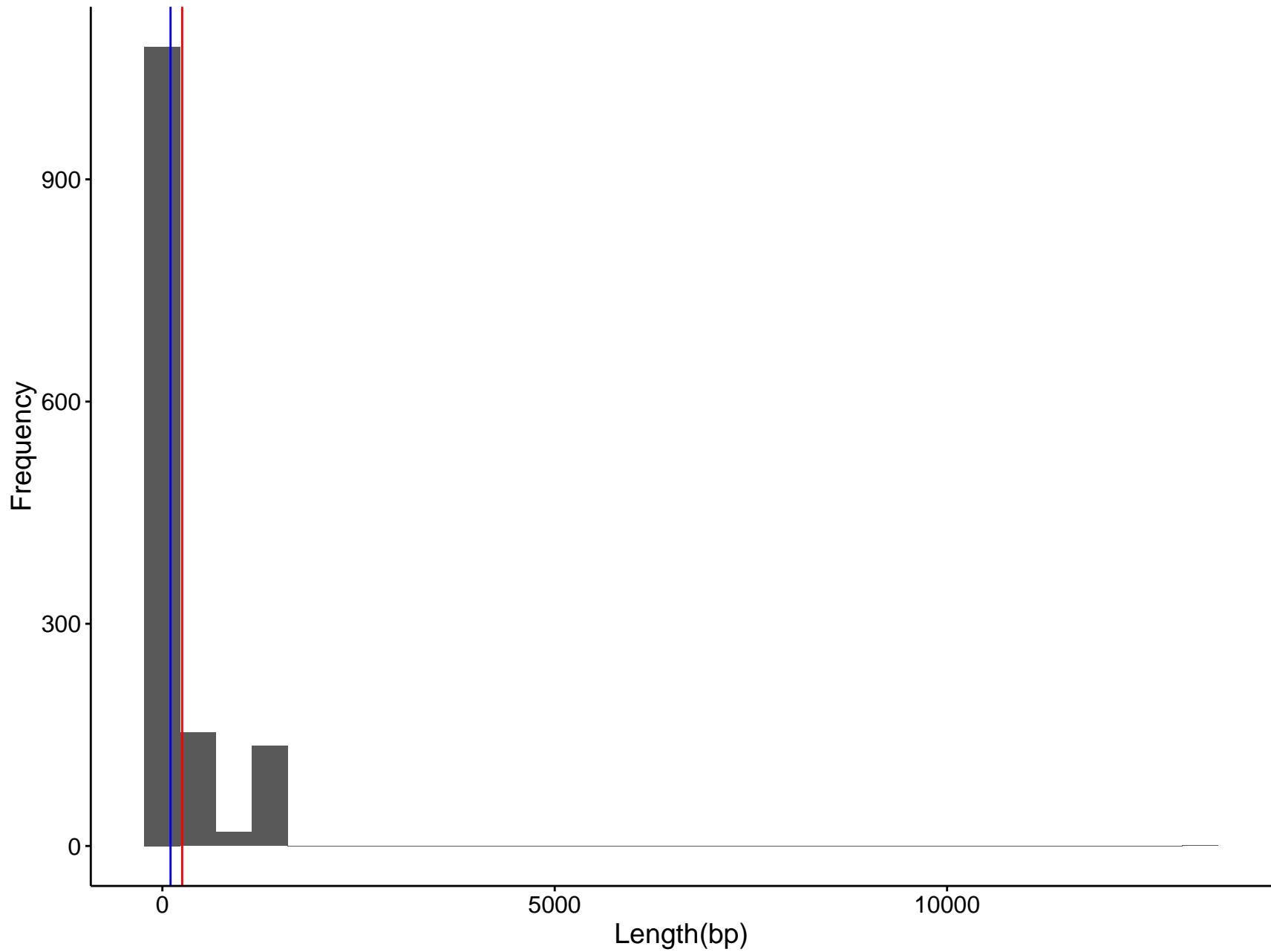
11320.95

11320.98

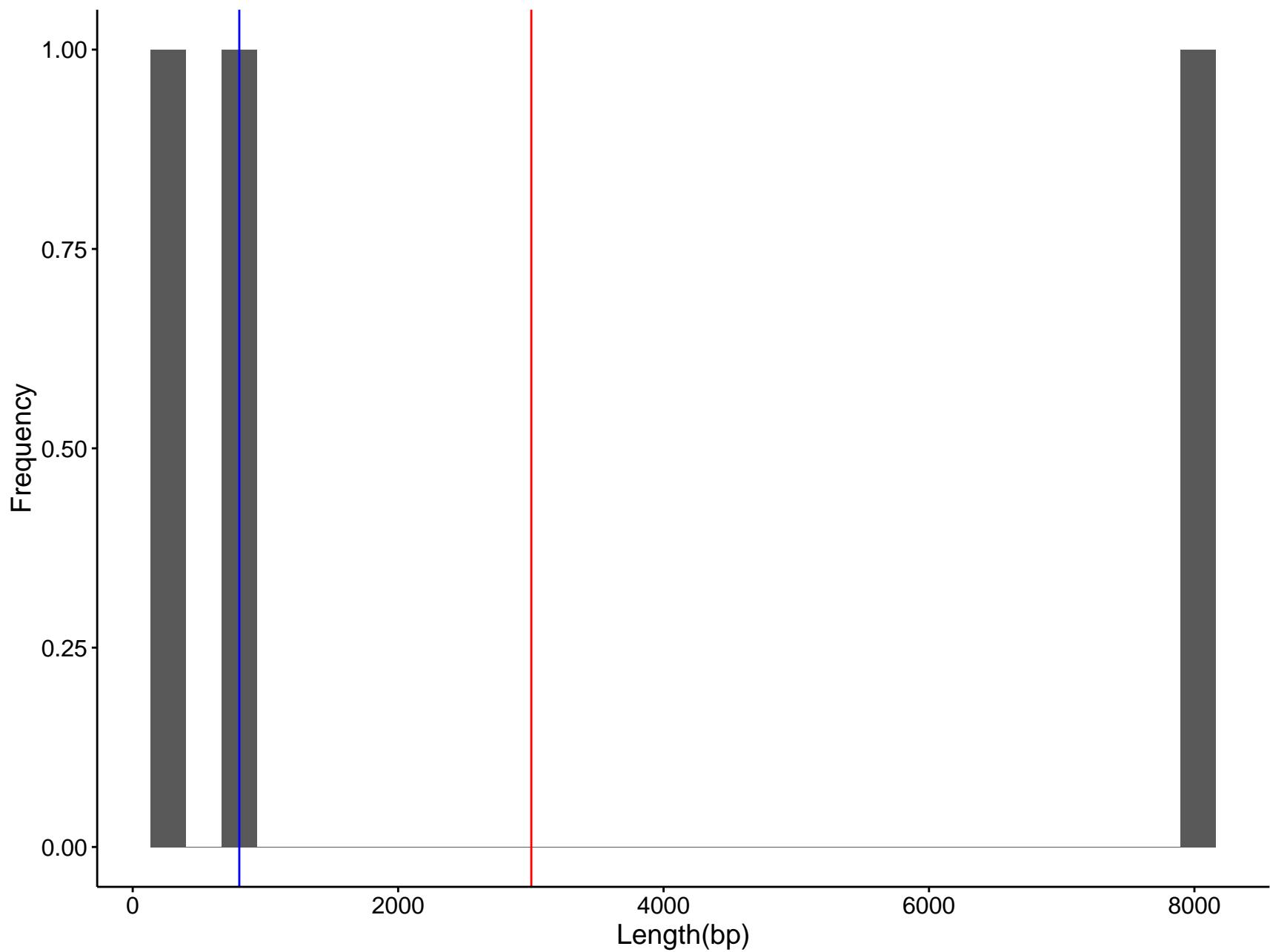
11321.00  
Length(bp)

11321.03

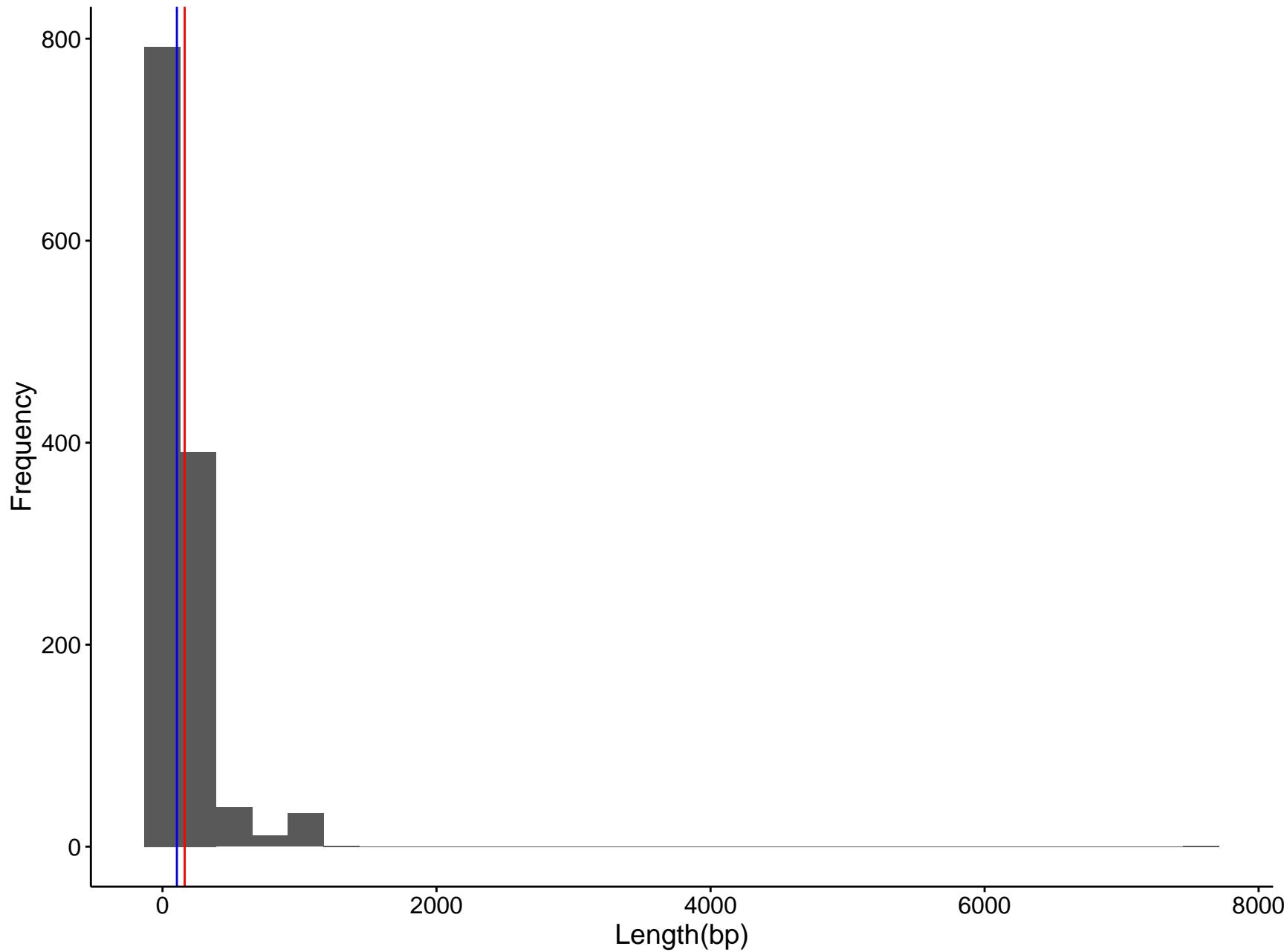
Cluster1018



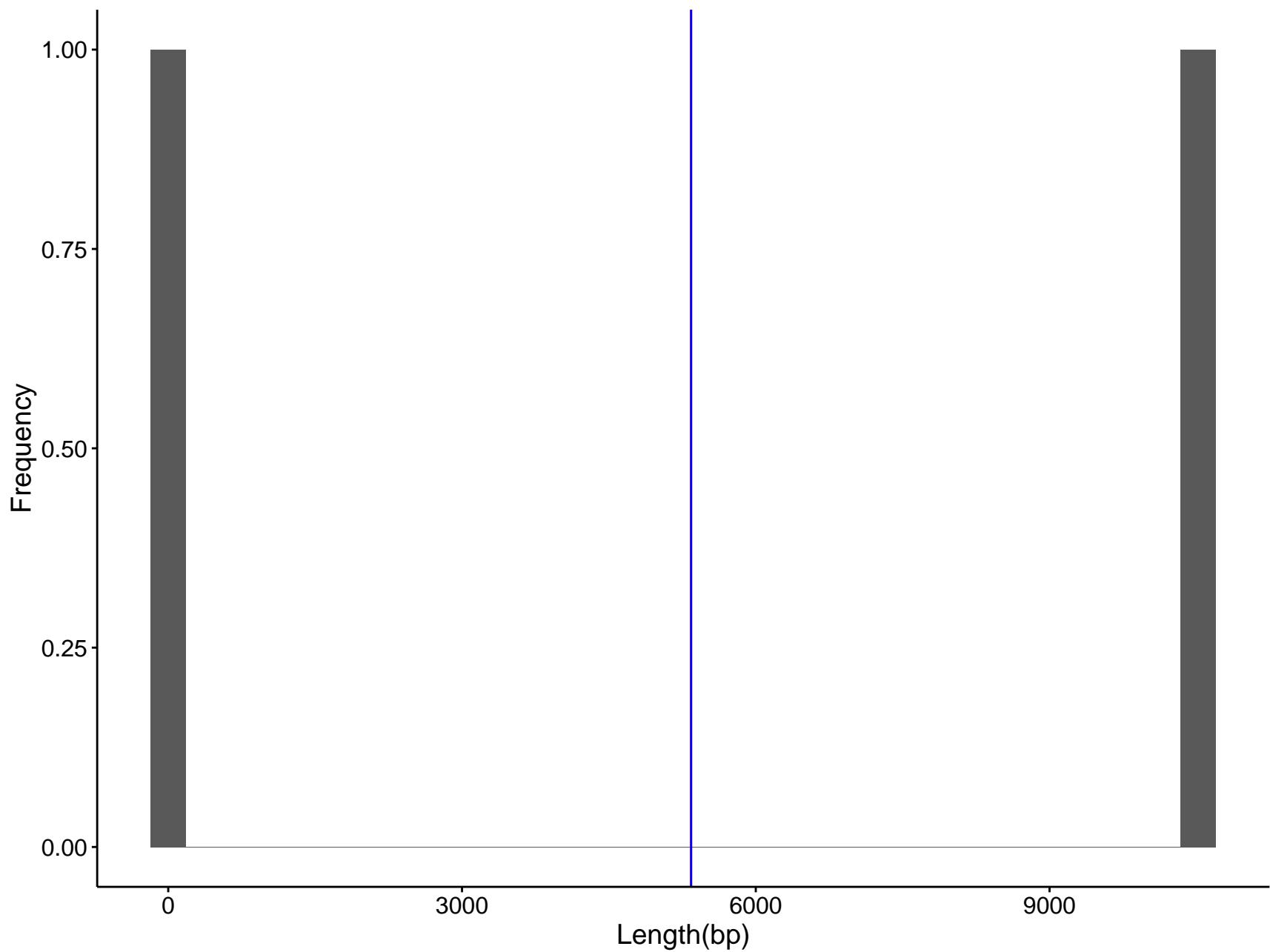
Cluster1019



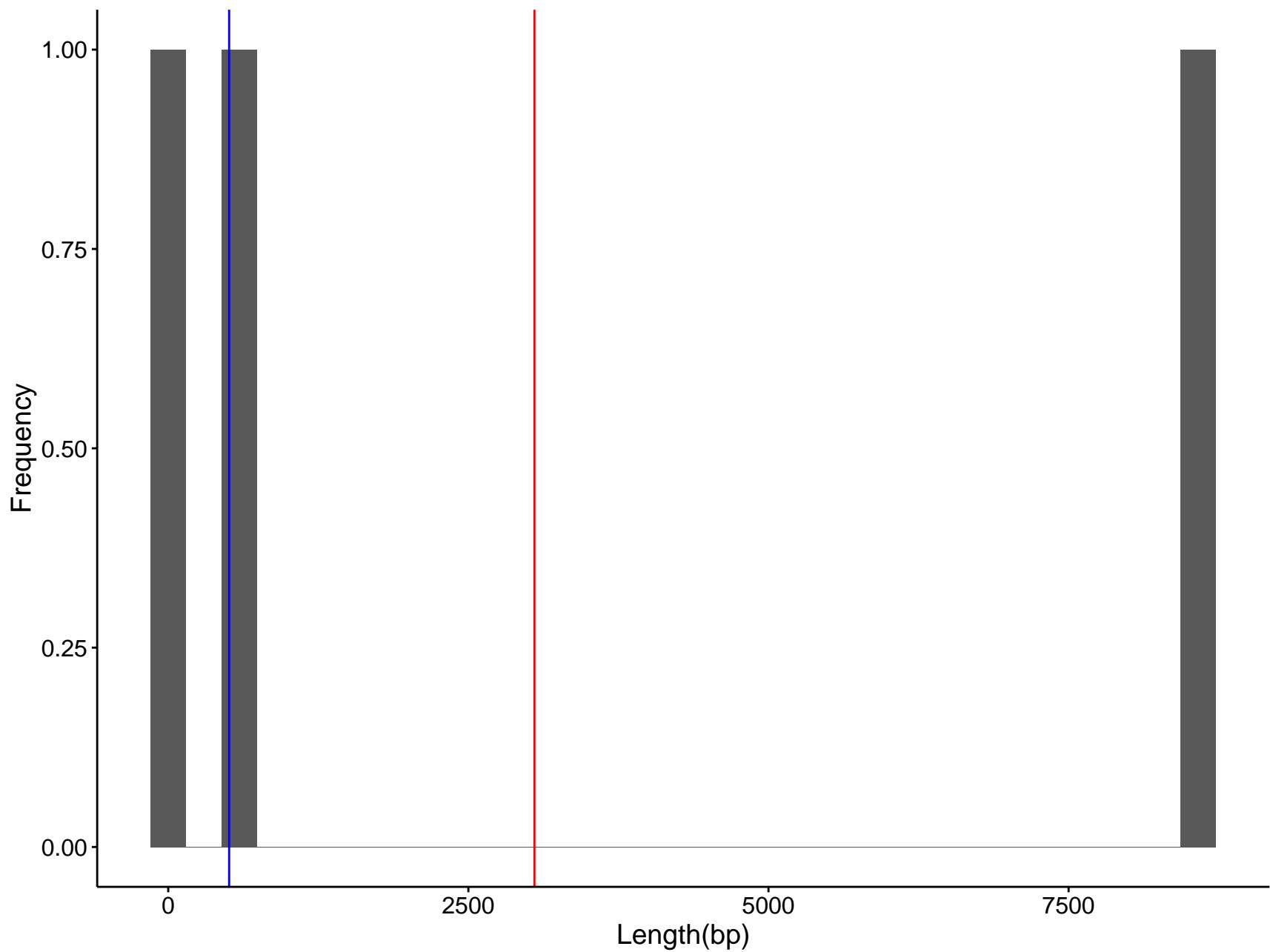
Cluster101



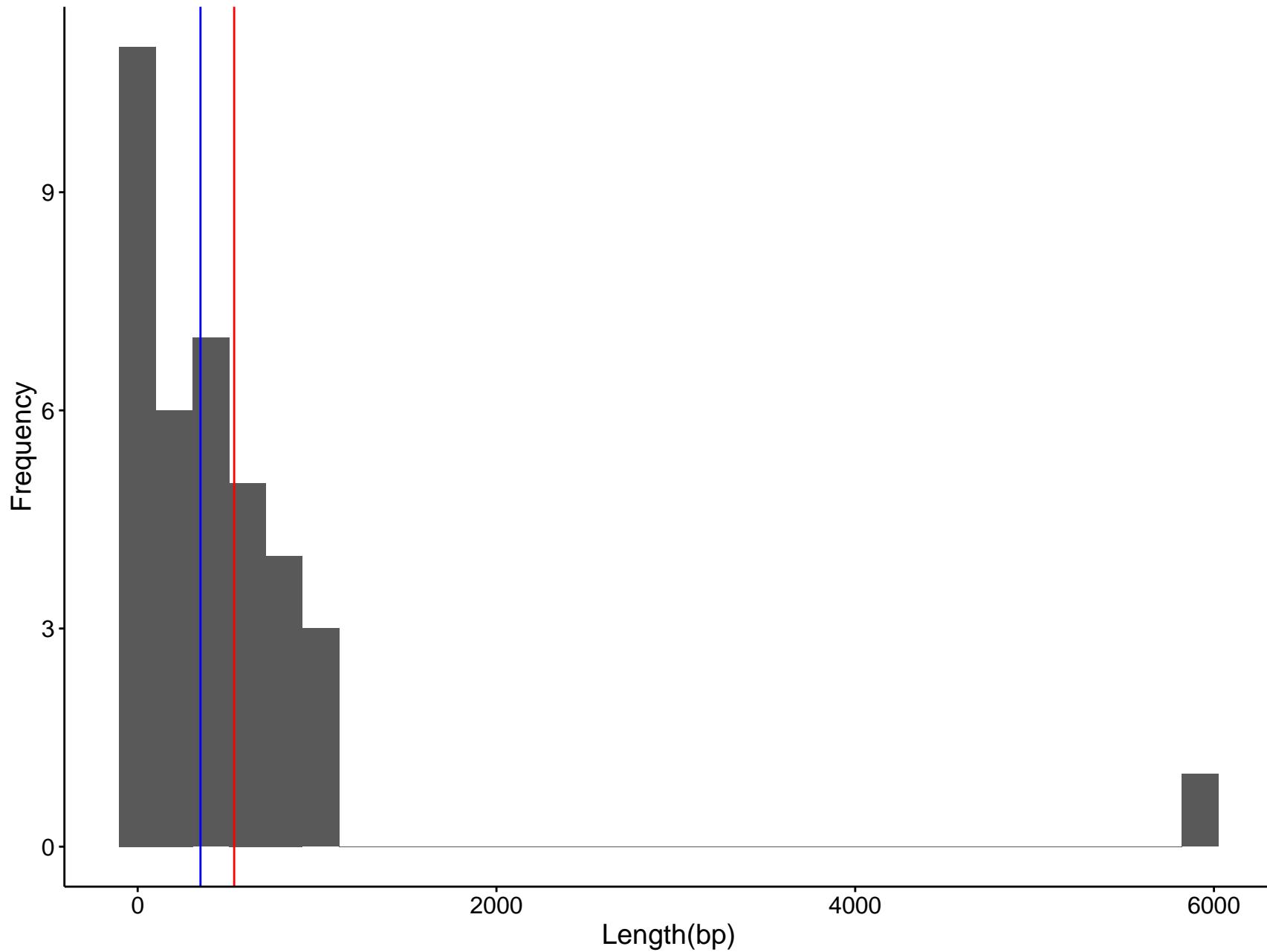
Cluster1020



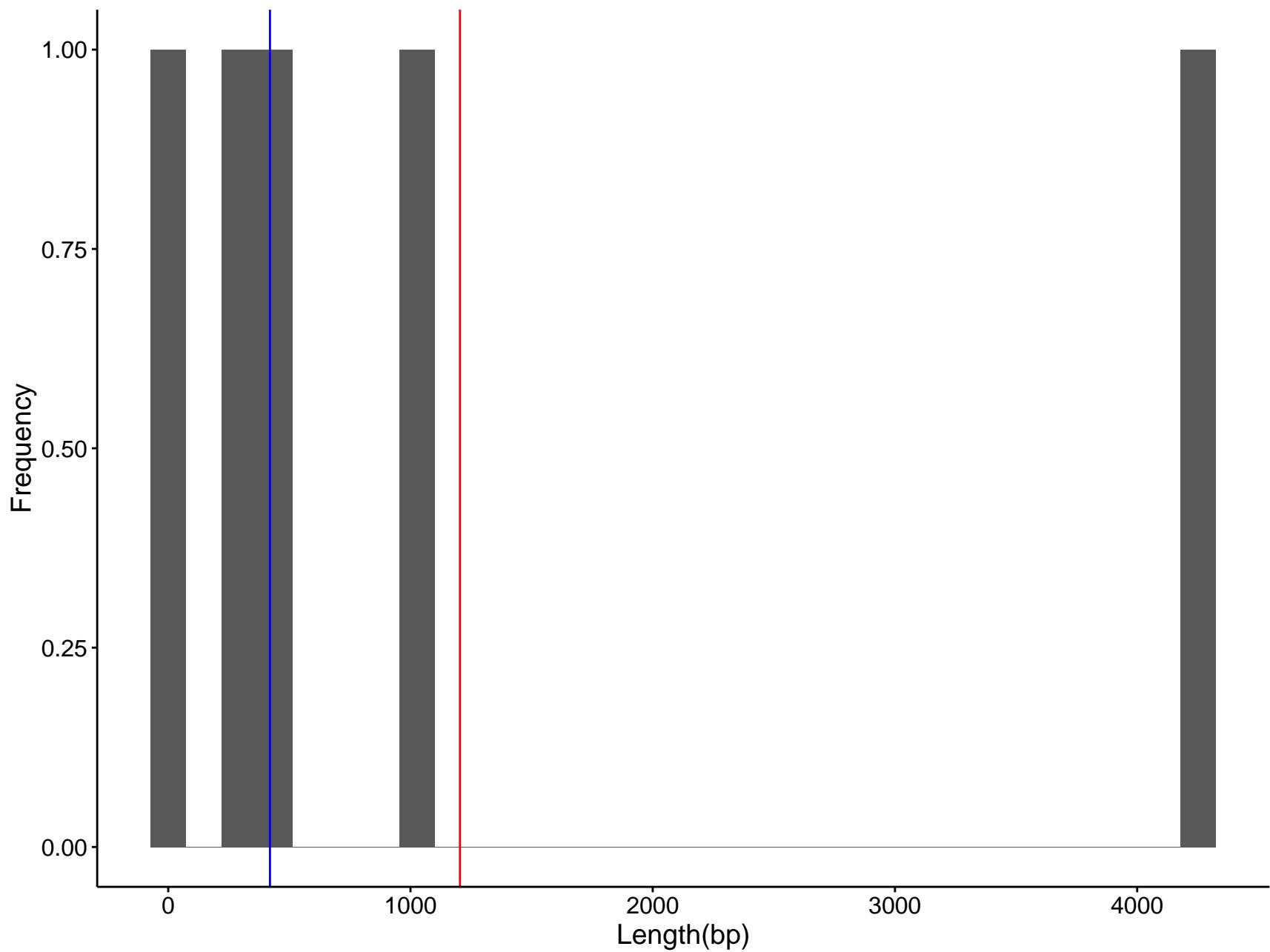
Cluster1021



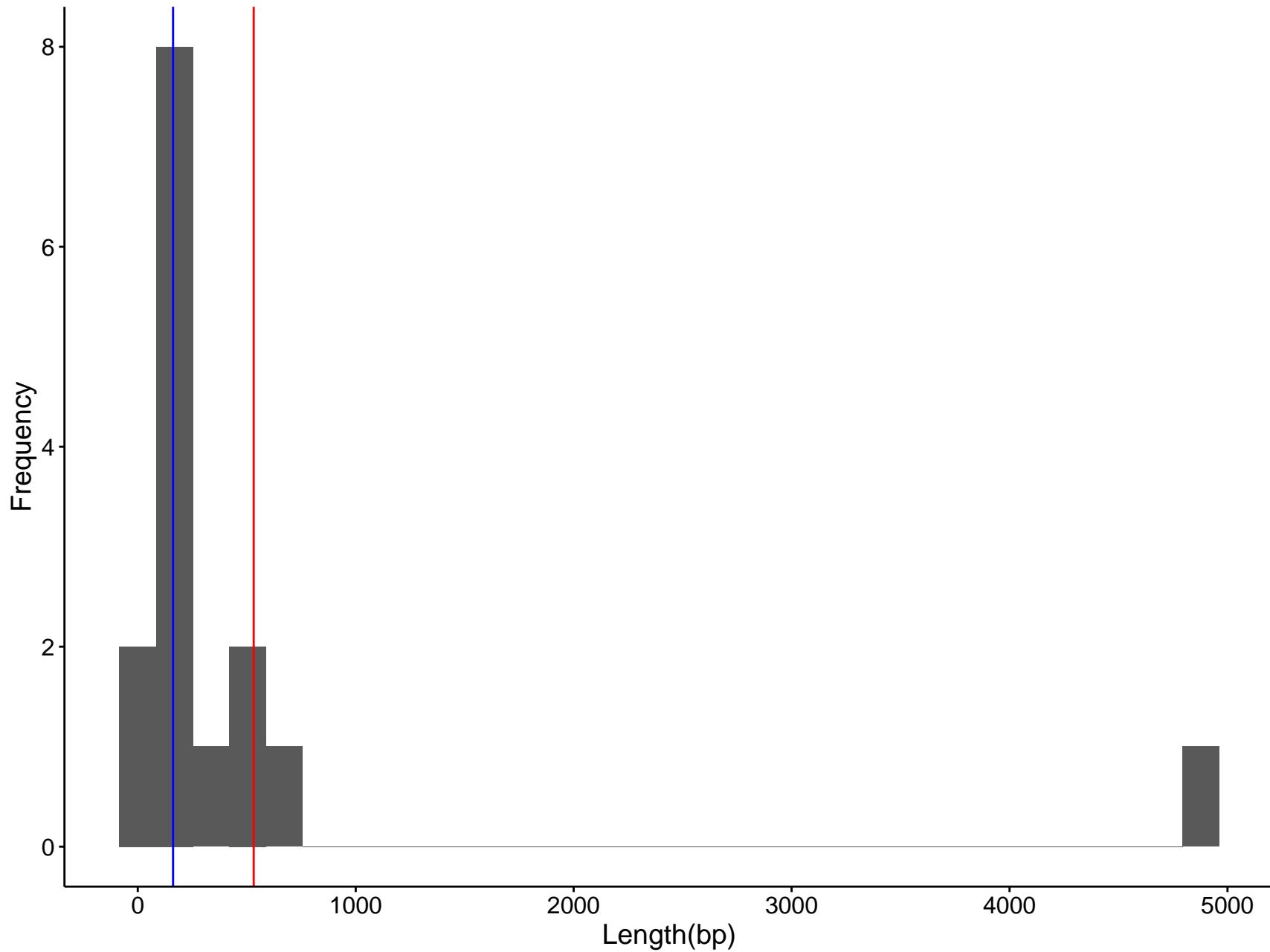
Cluster1022



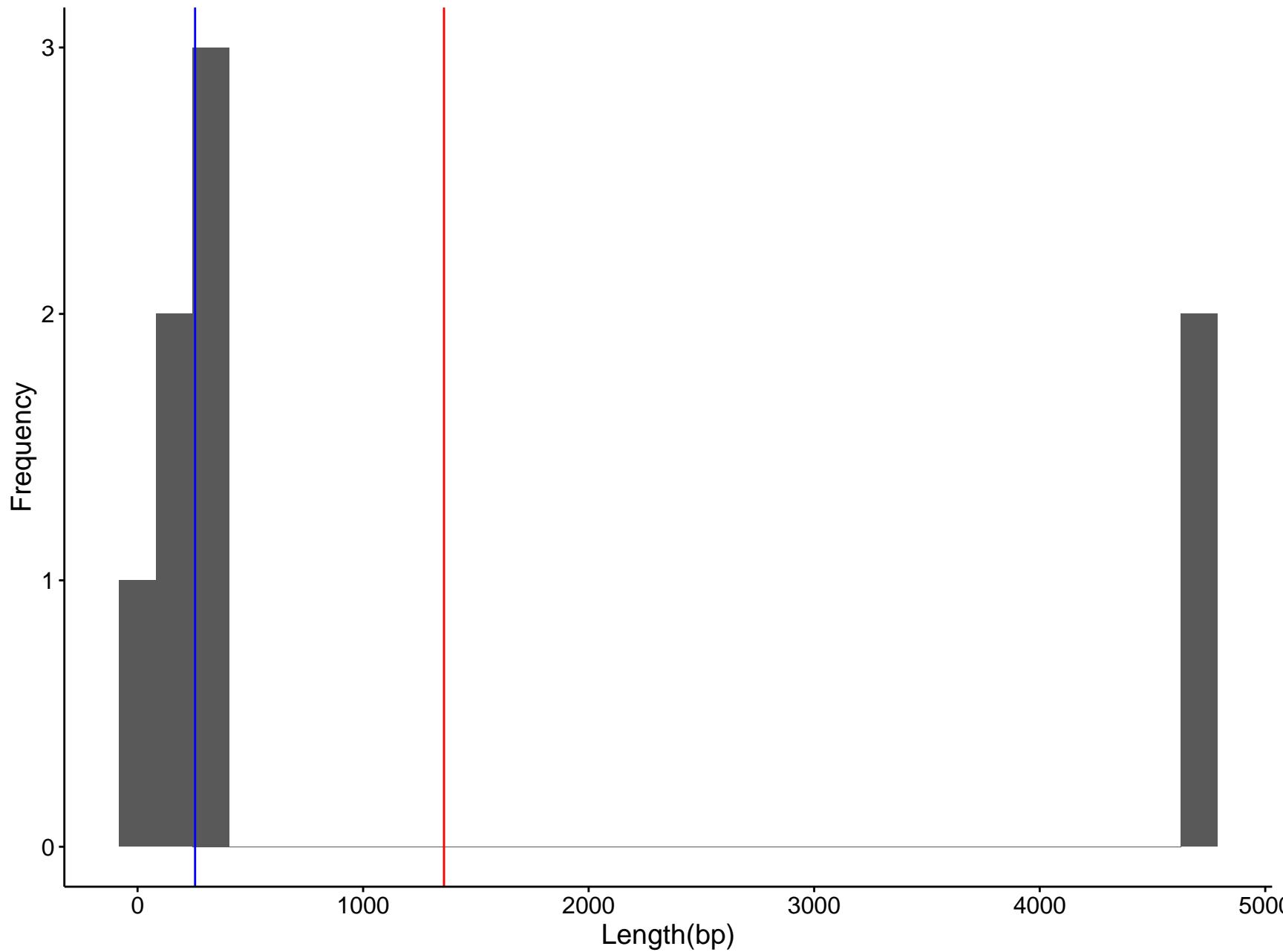
Cluster1023



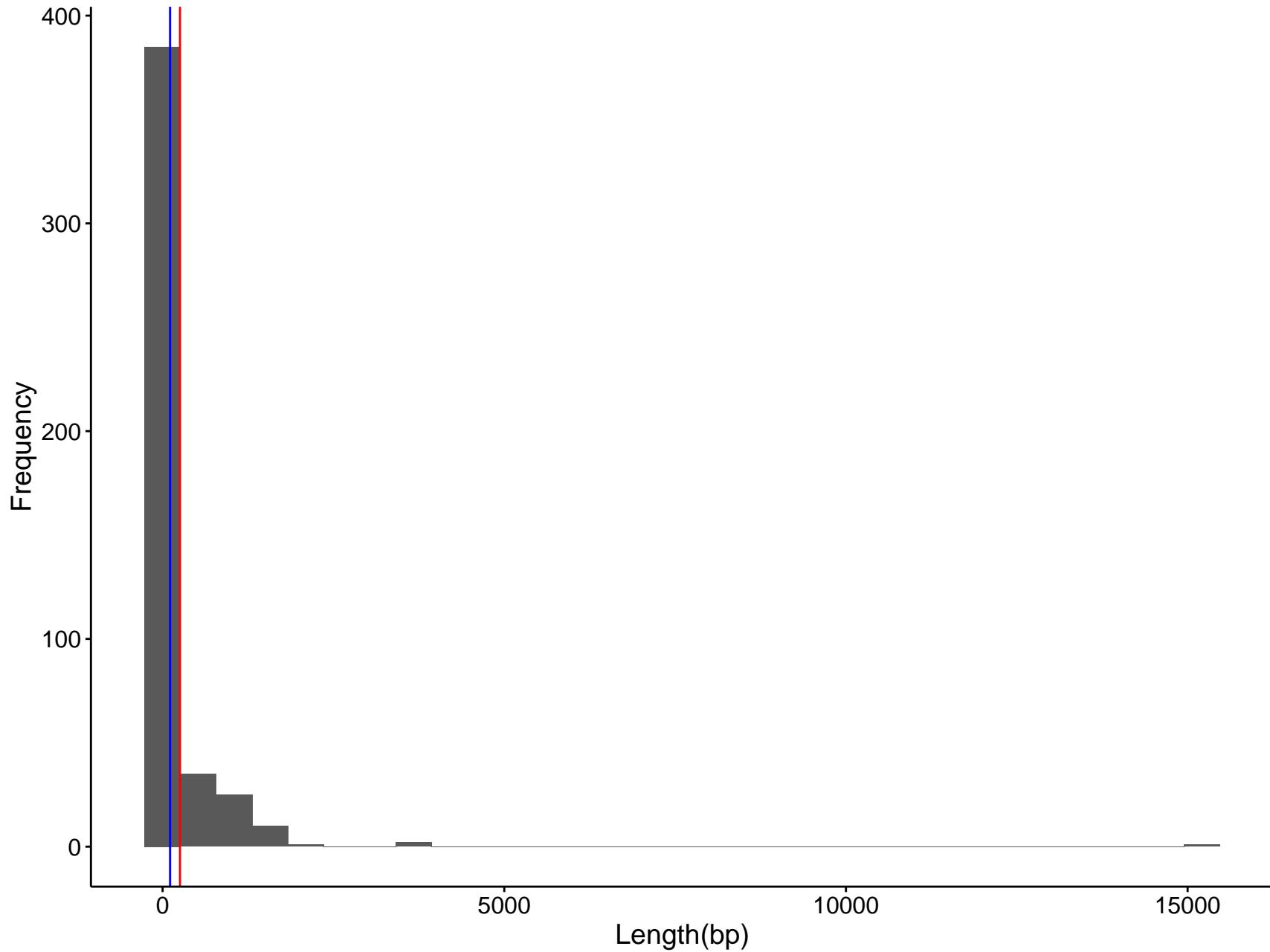
Cluster1024



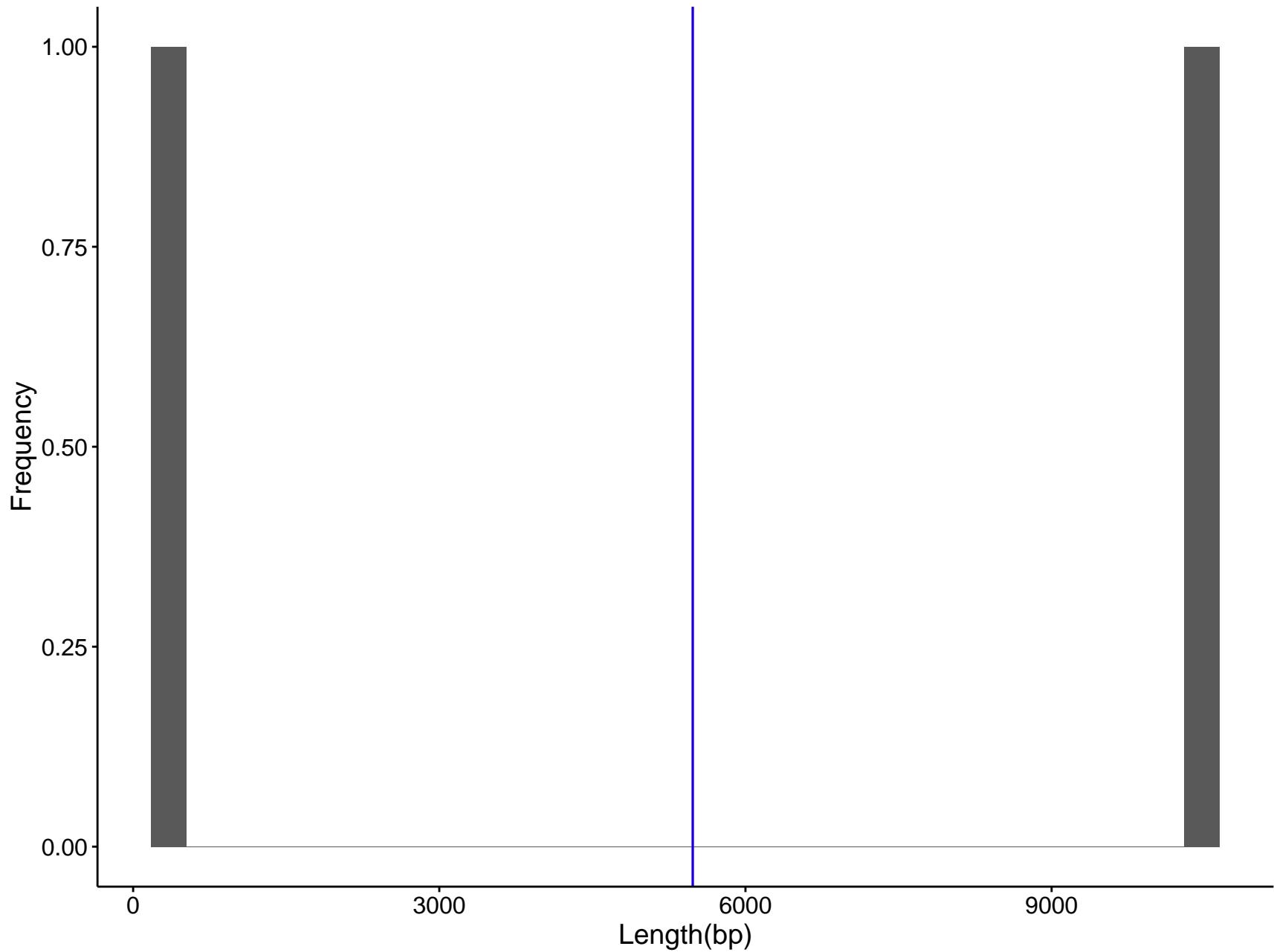
Cluster1025



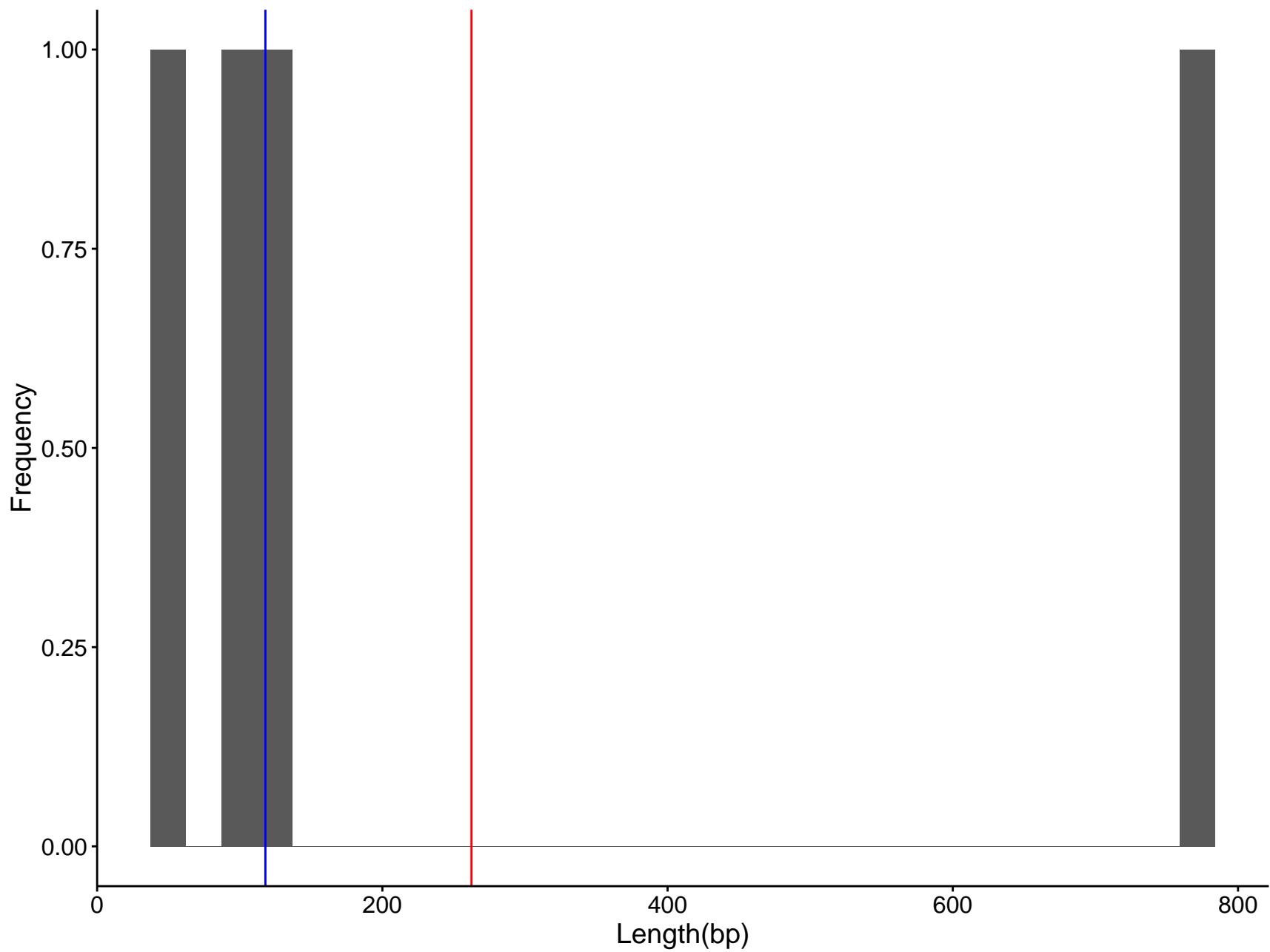
Cluster1026



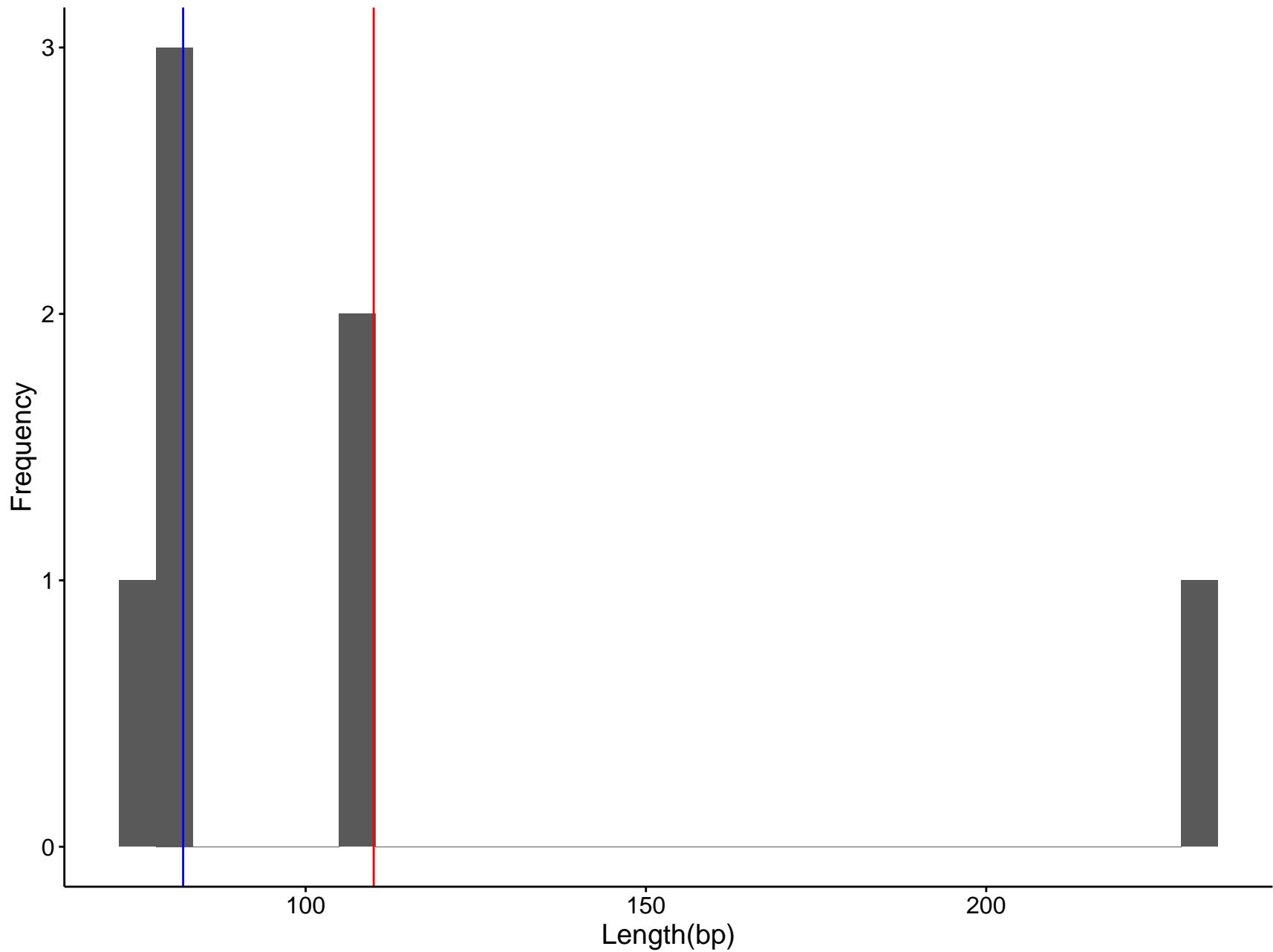
Cluster102



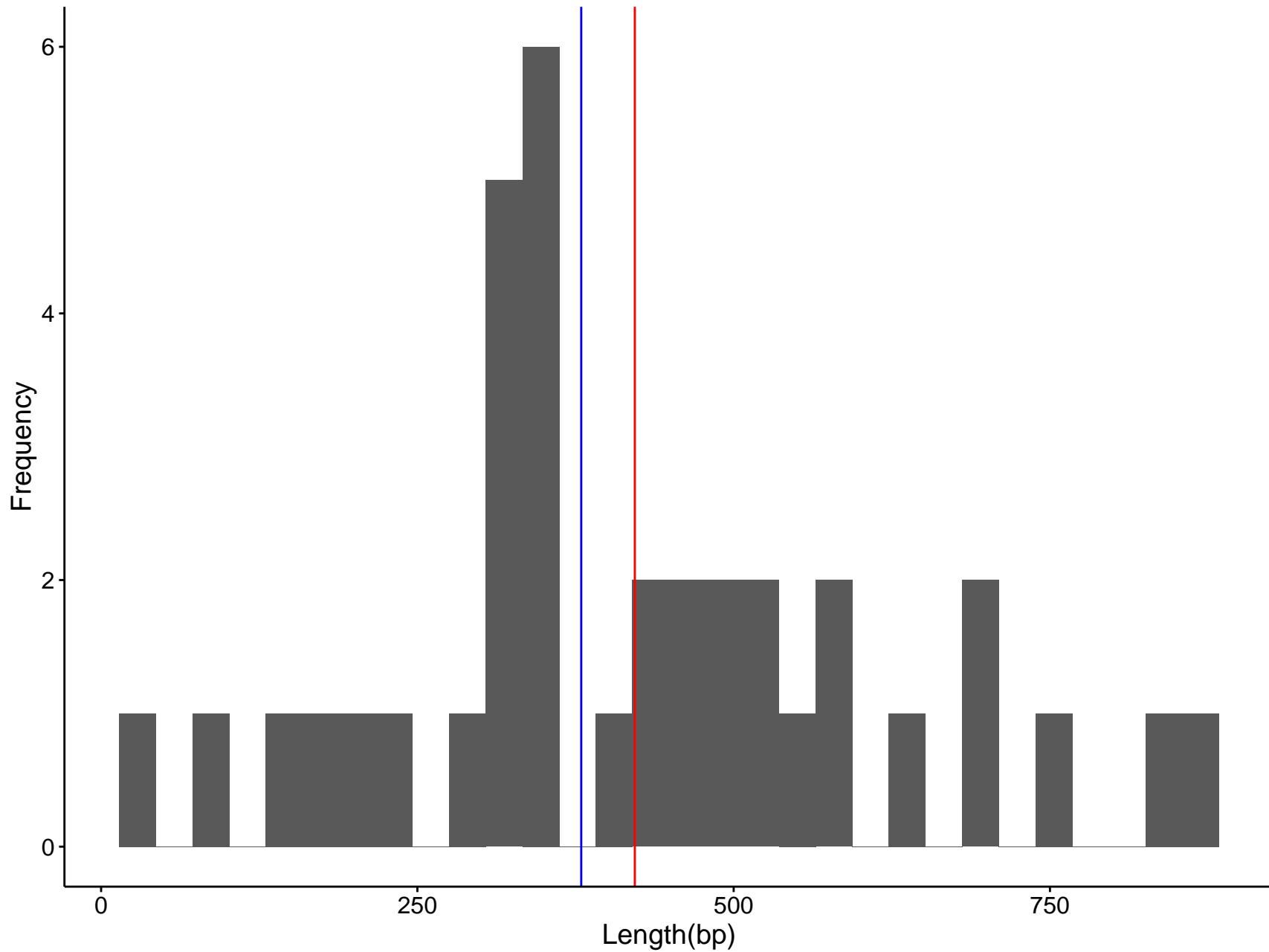
Cluster1031



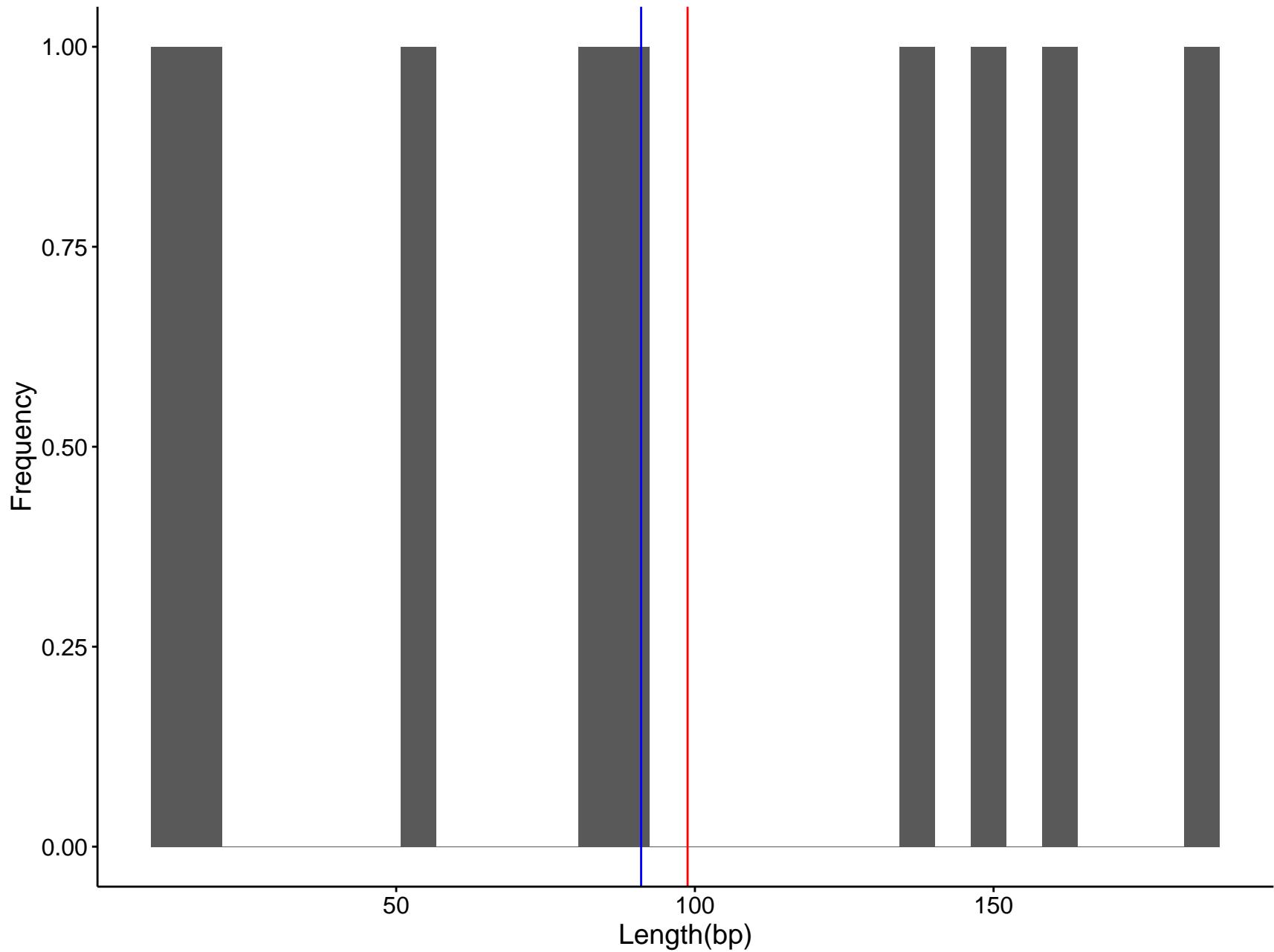
Cluster1032



Cluster1033



Cluster1034



# Cluster1035

Frequency

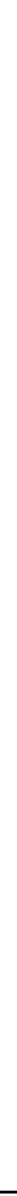
312.950

312.975

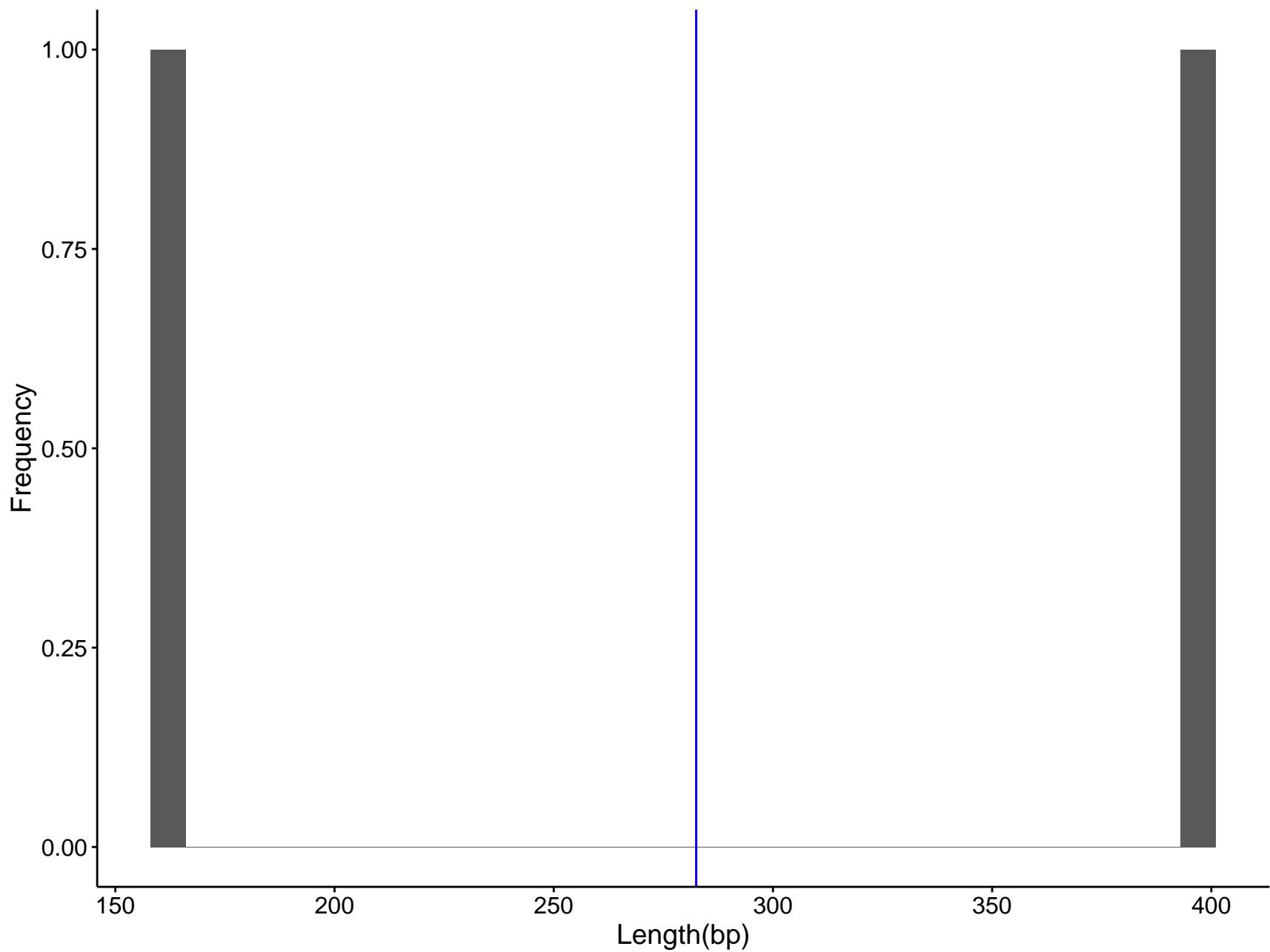
313.000

313.025

Length(bp)



Cluster1036



# Cluster1037

Frequency

482.950

482.975

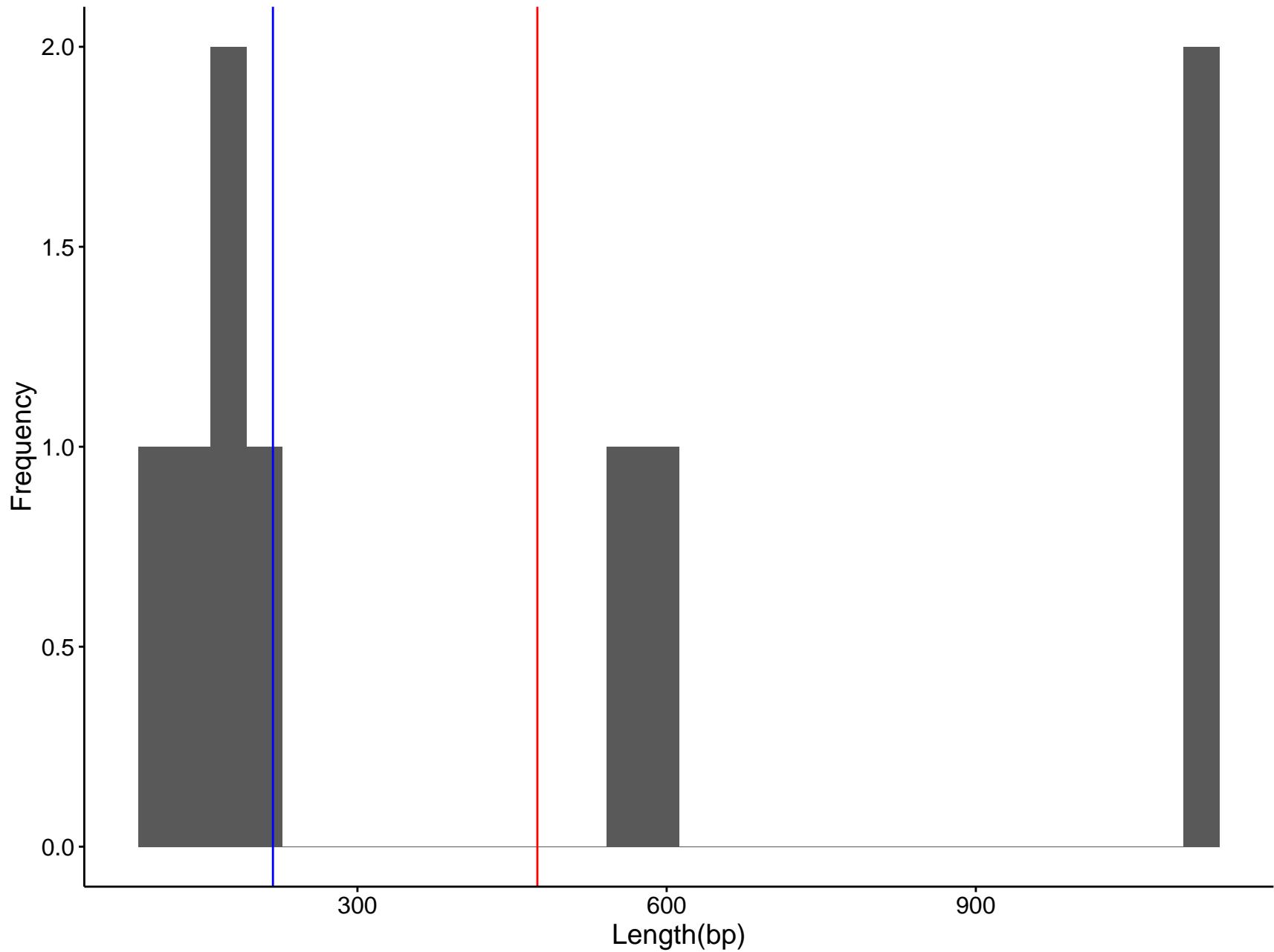
483.000

483.025

Length(bp)



Cluster1038



# Cluster1042

Frequency

179.950

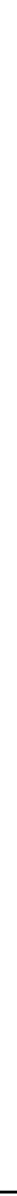
179.975

180.000

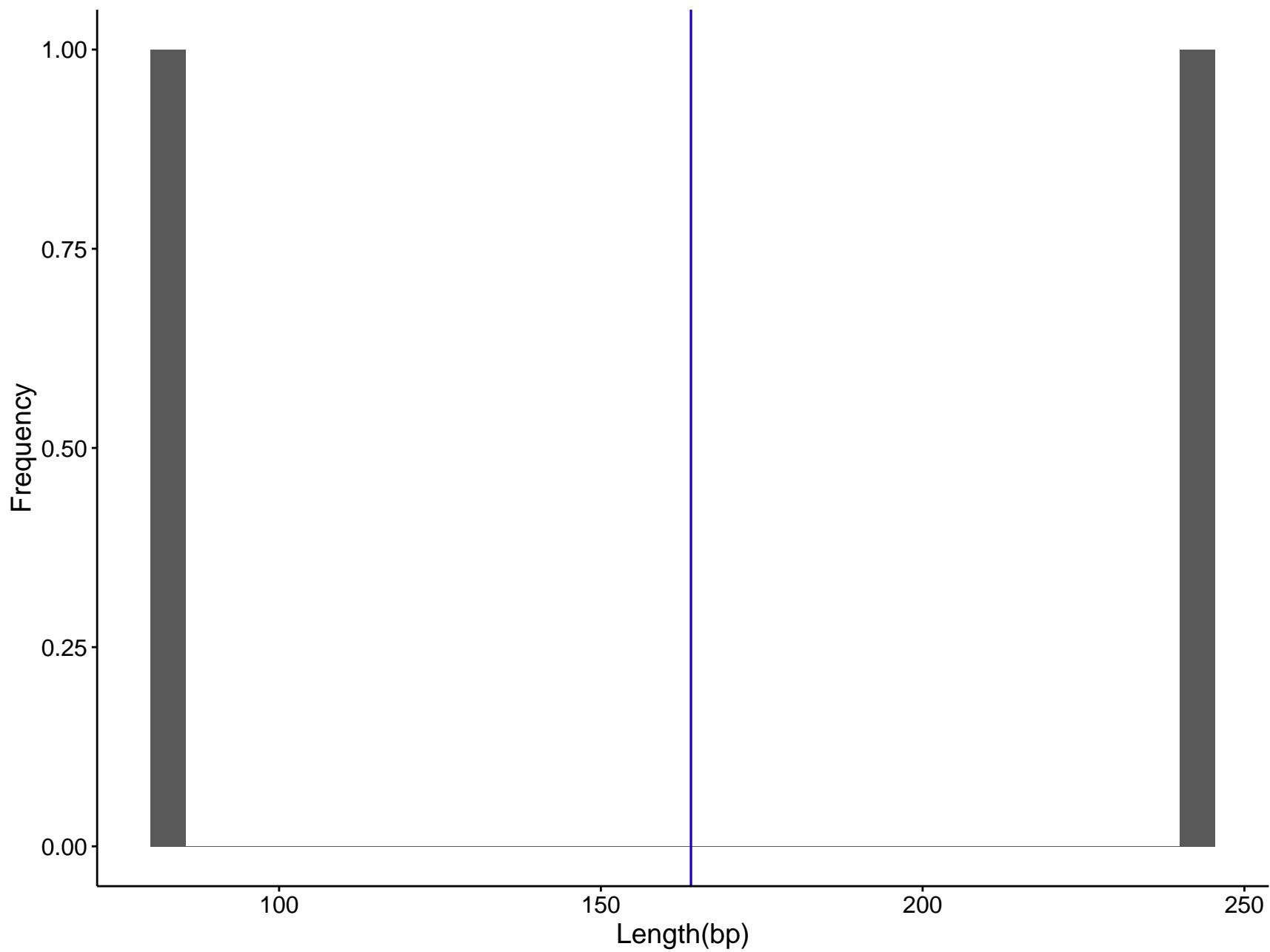
180.025

180.050

Length(bp)



Cluster1044



# Cluster1045

Frequency

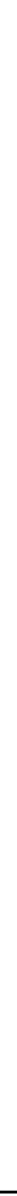
574.950

574.975

575.000

575.025

Length(bp)



# Cluster1046

Frequency

570.950

570.975

571.000

571.025

Length(bp)



# Cluster1047

Frequency

438.950

438.975

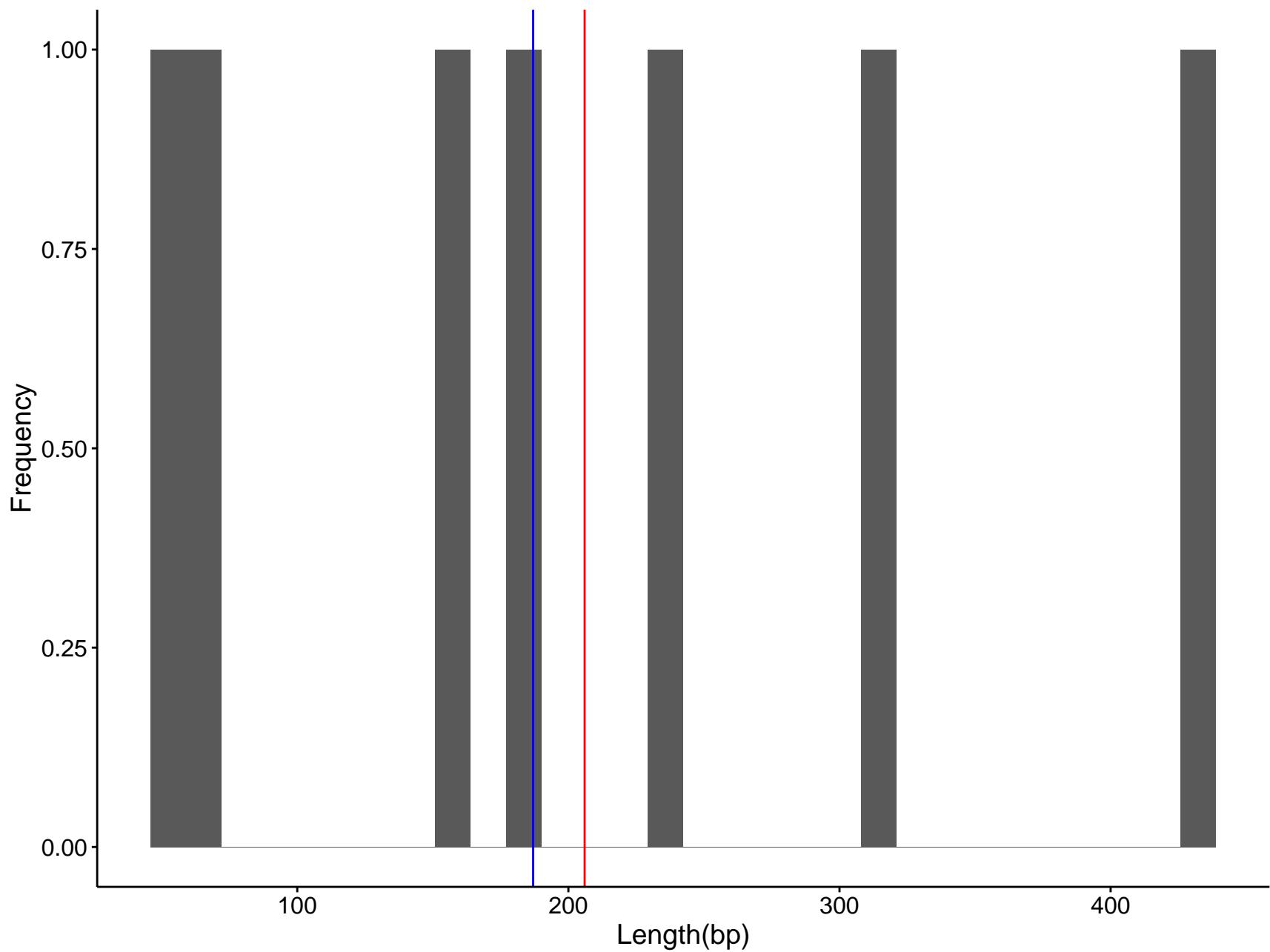
439.000

439.025

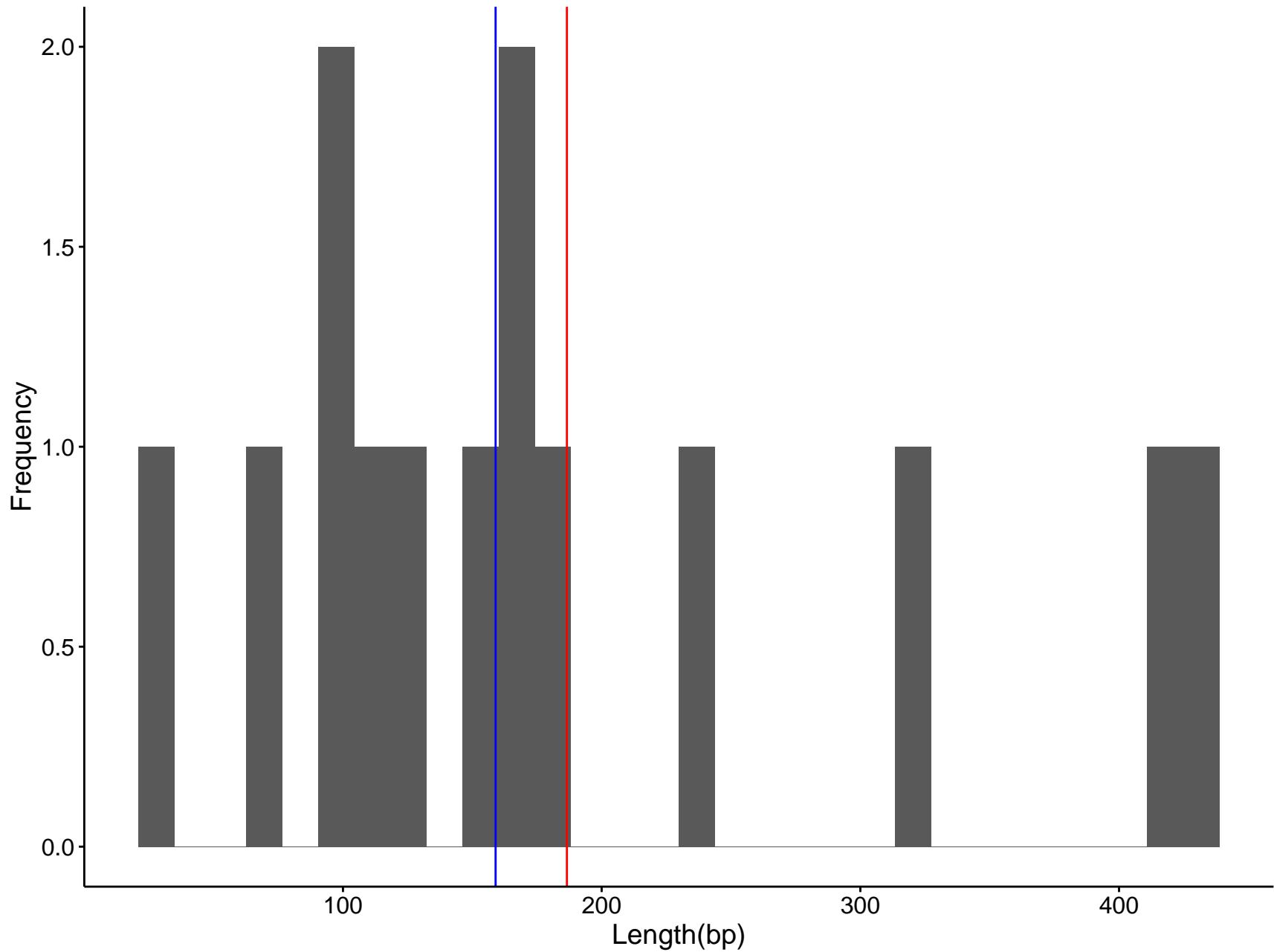
Length(bp)



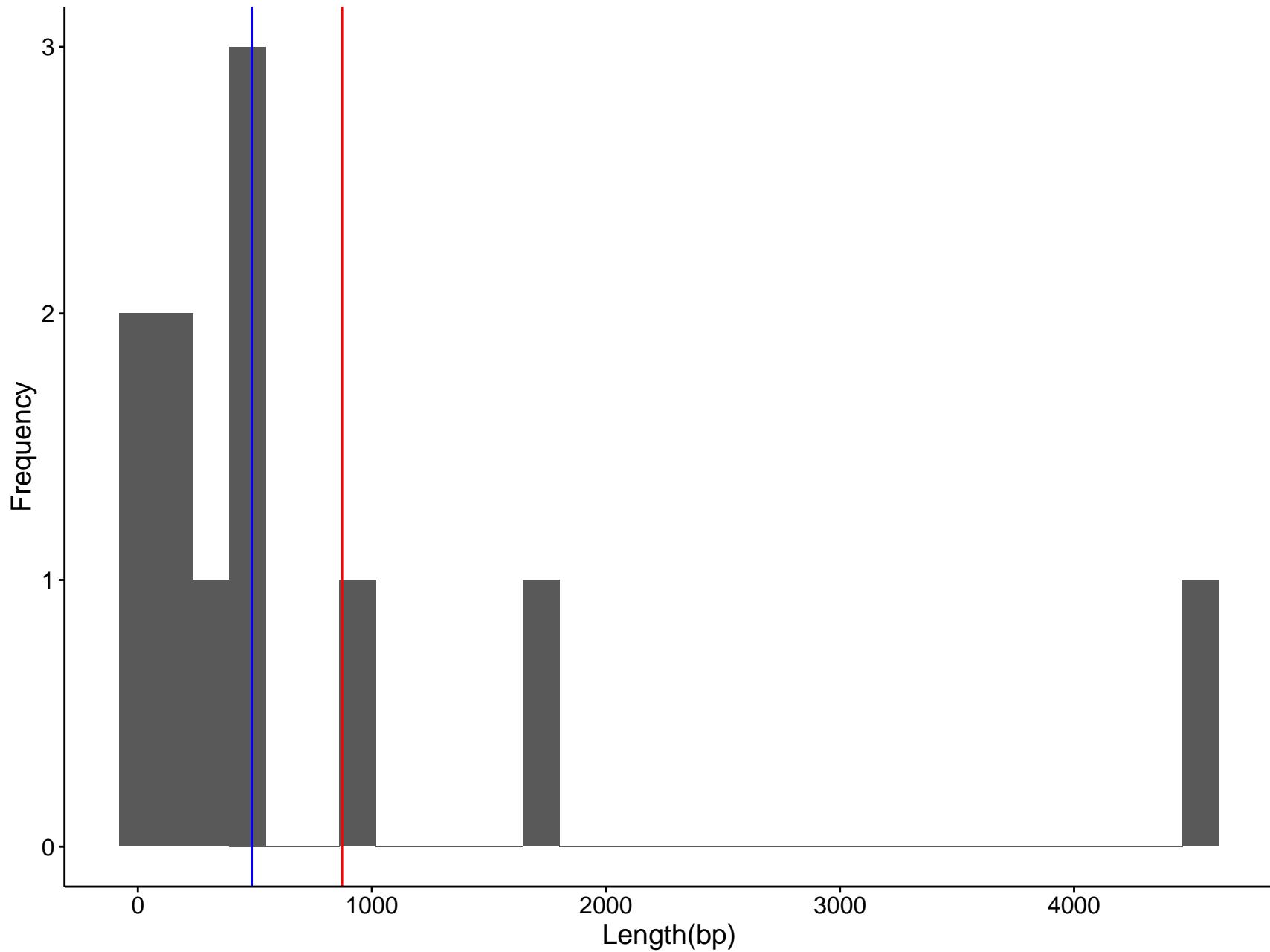
Cluster1048



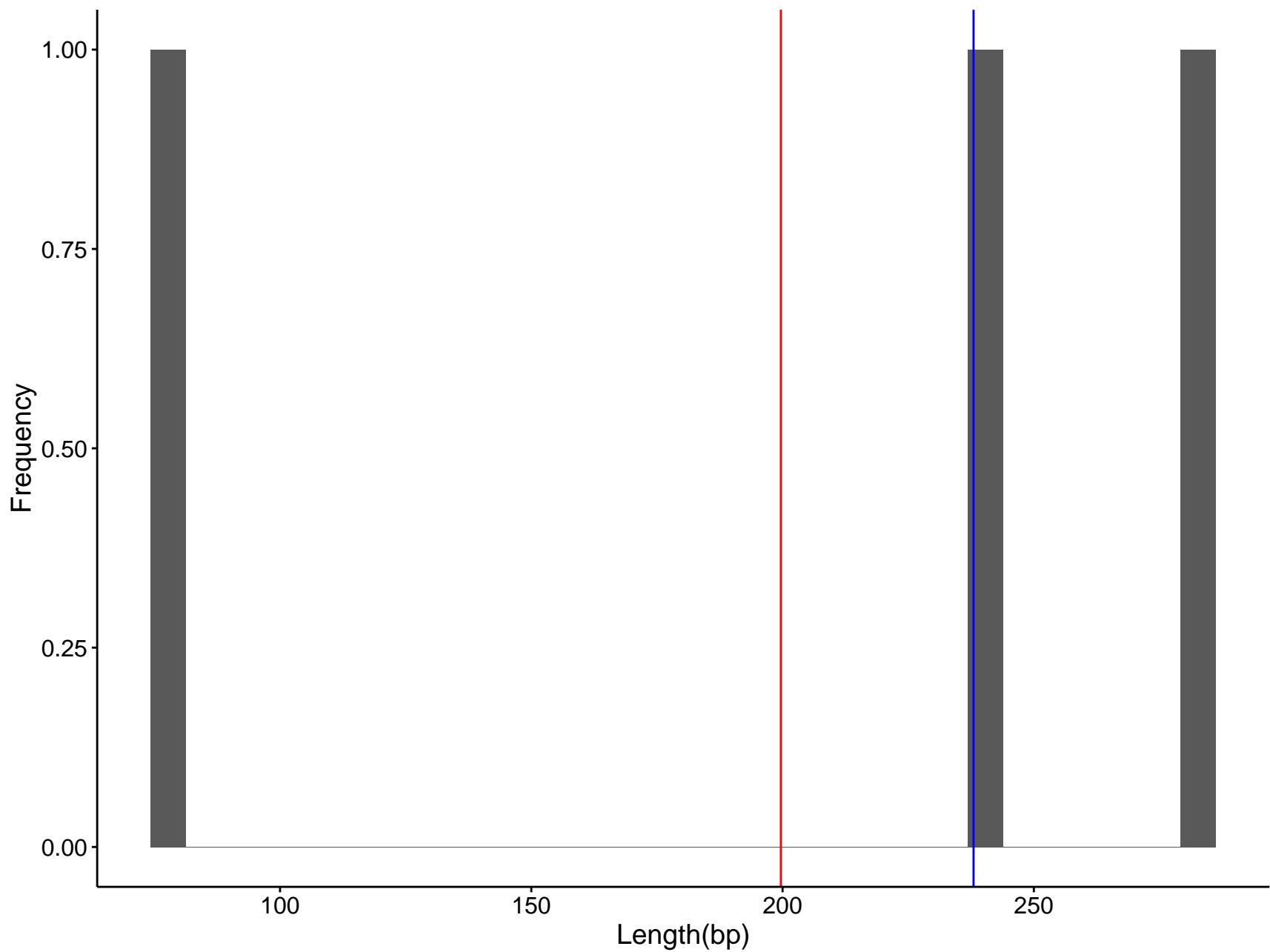
Cluster1049



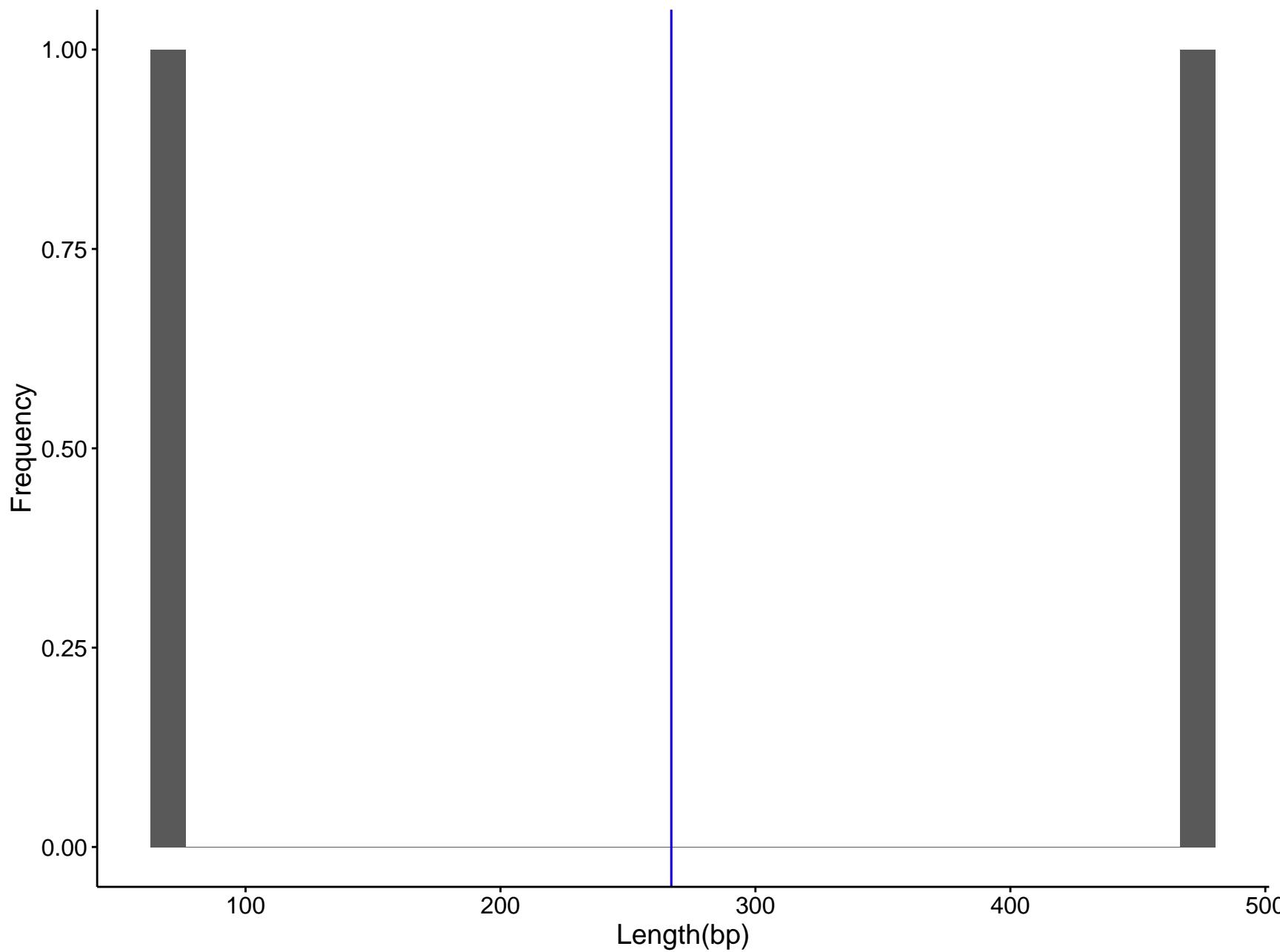
Cluster104



Cluster1050



Cluster1053



# Cluster1054

Frequency

48.950

48.975

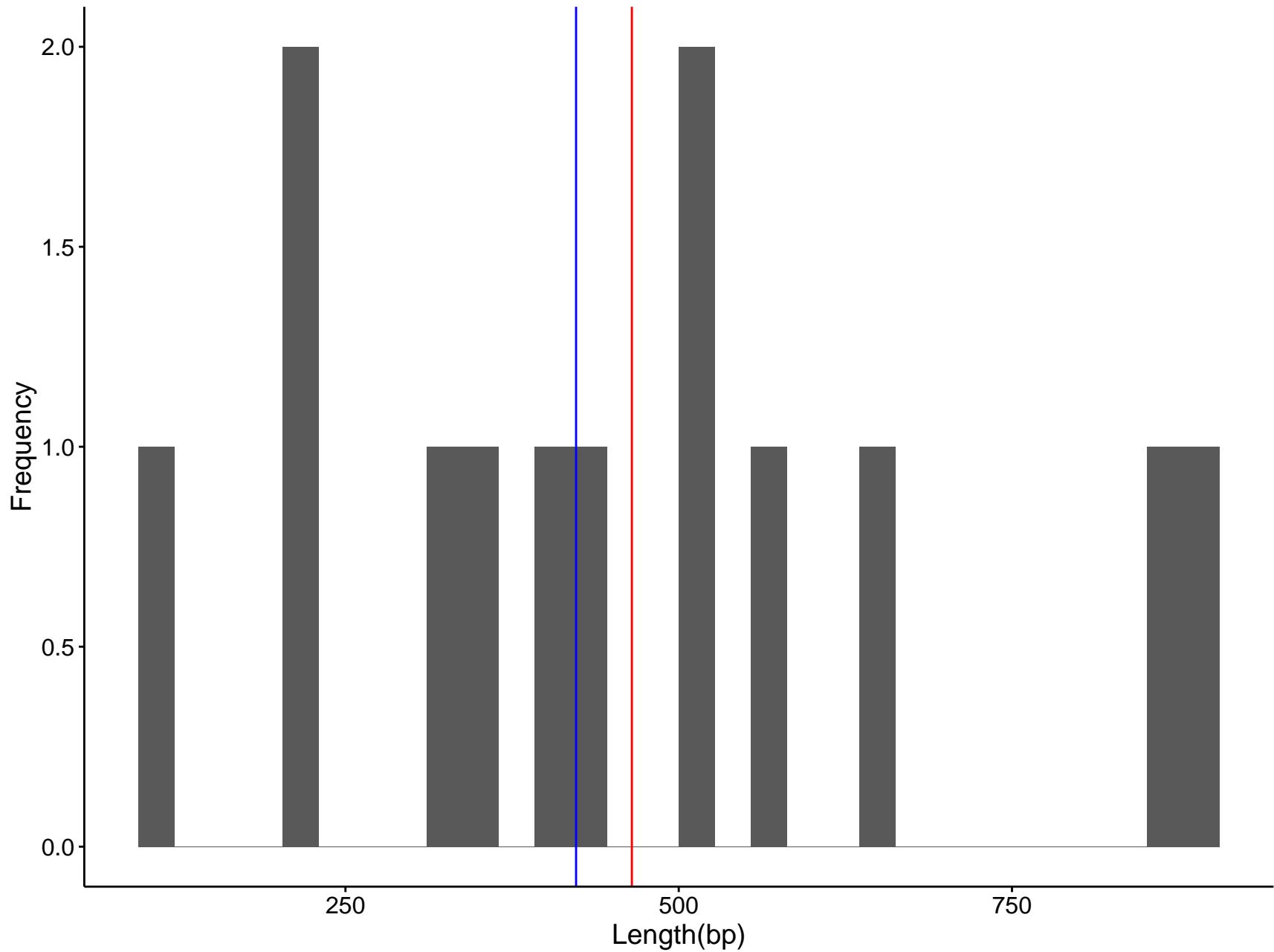
49.000

49.025

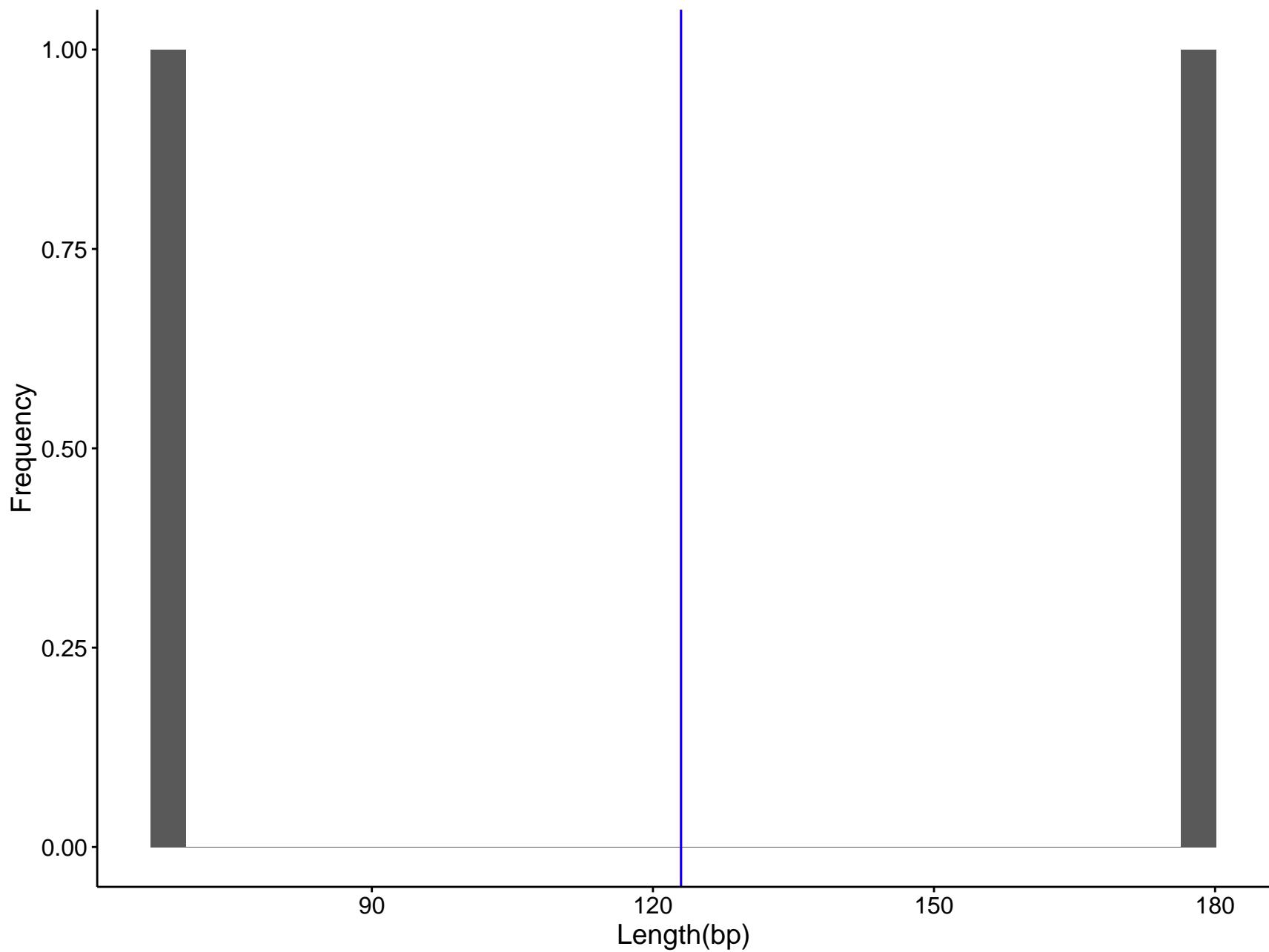
Length(bp)



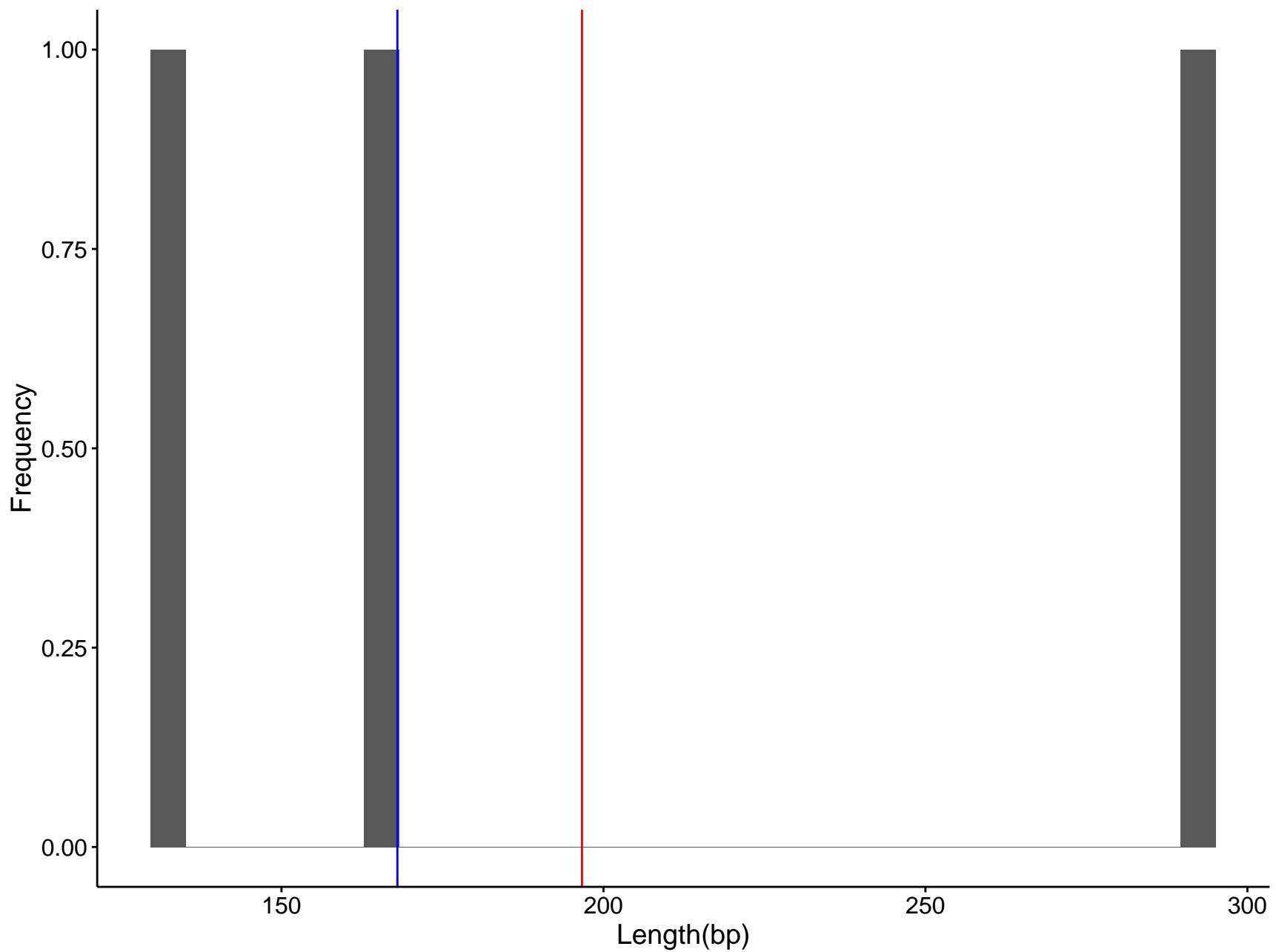
Cluster1055

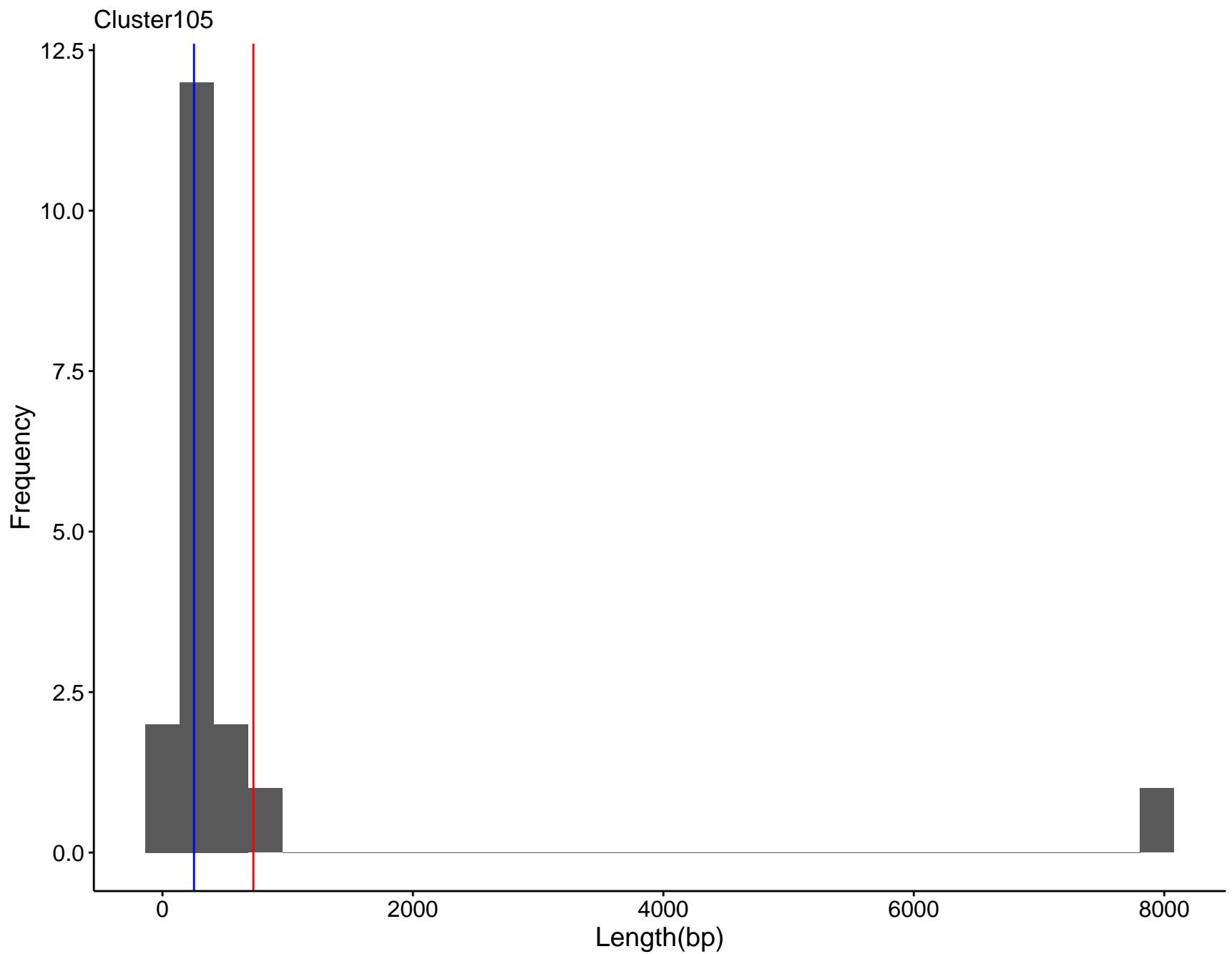


Cluster1056

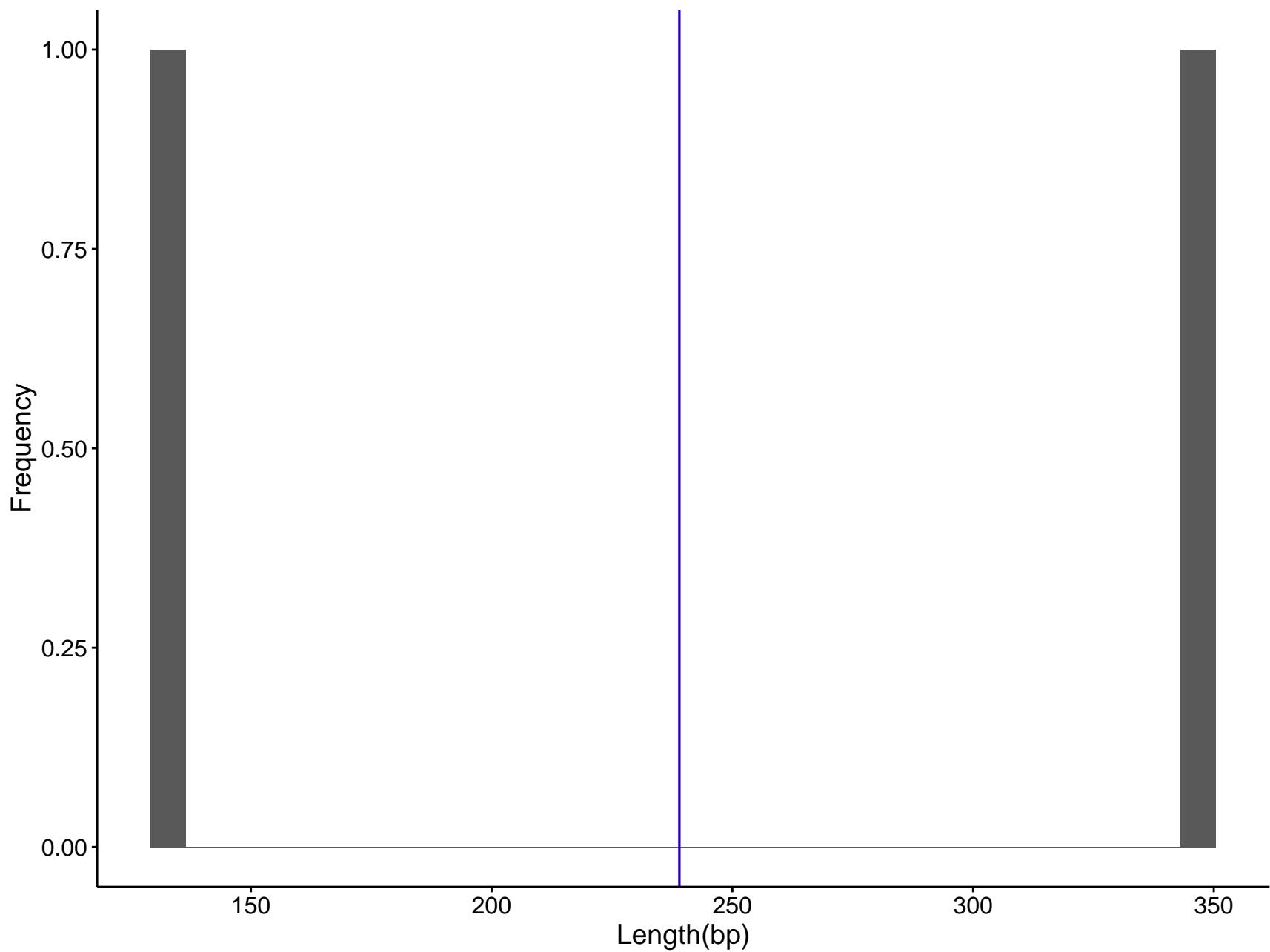


Cluster1057

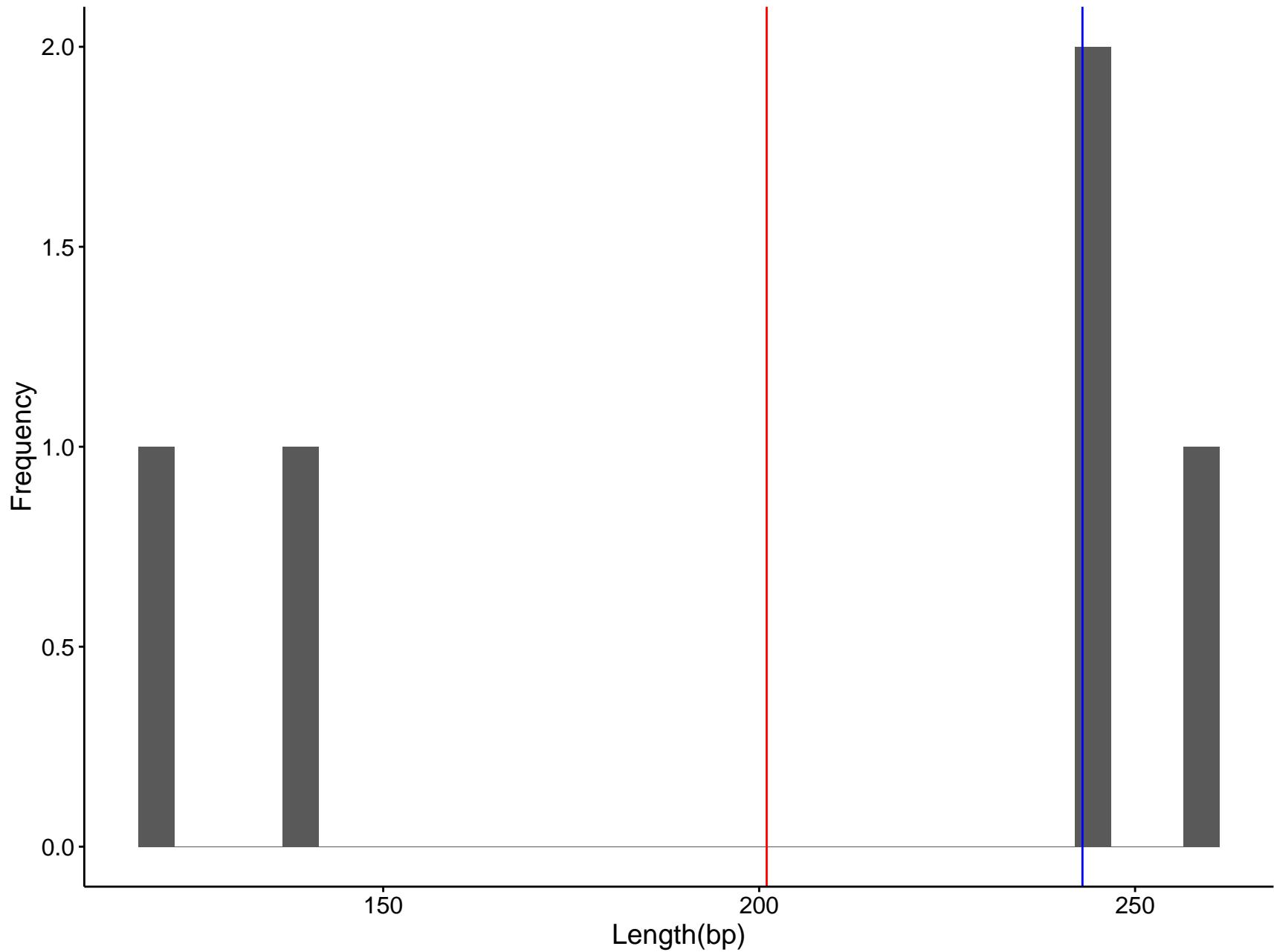




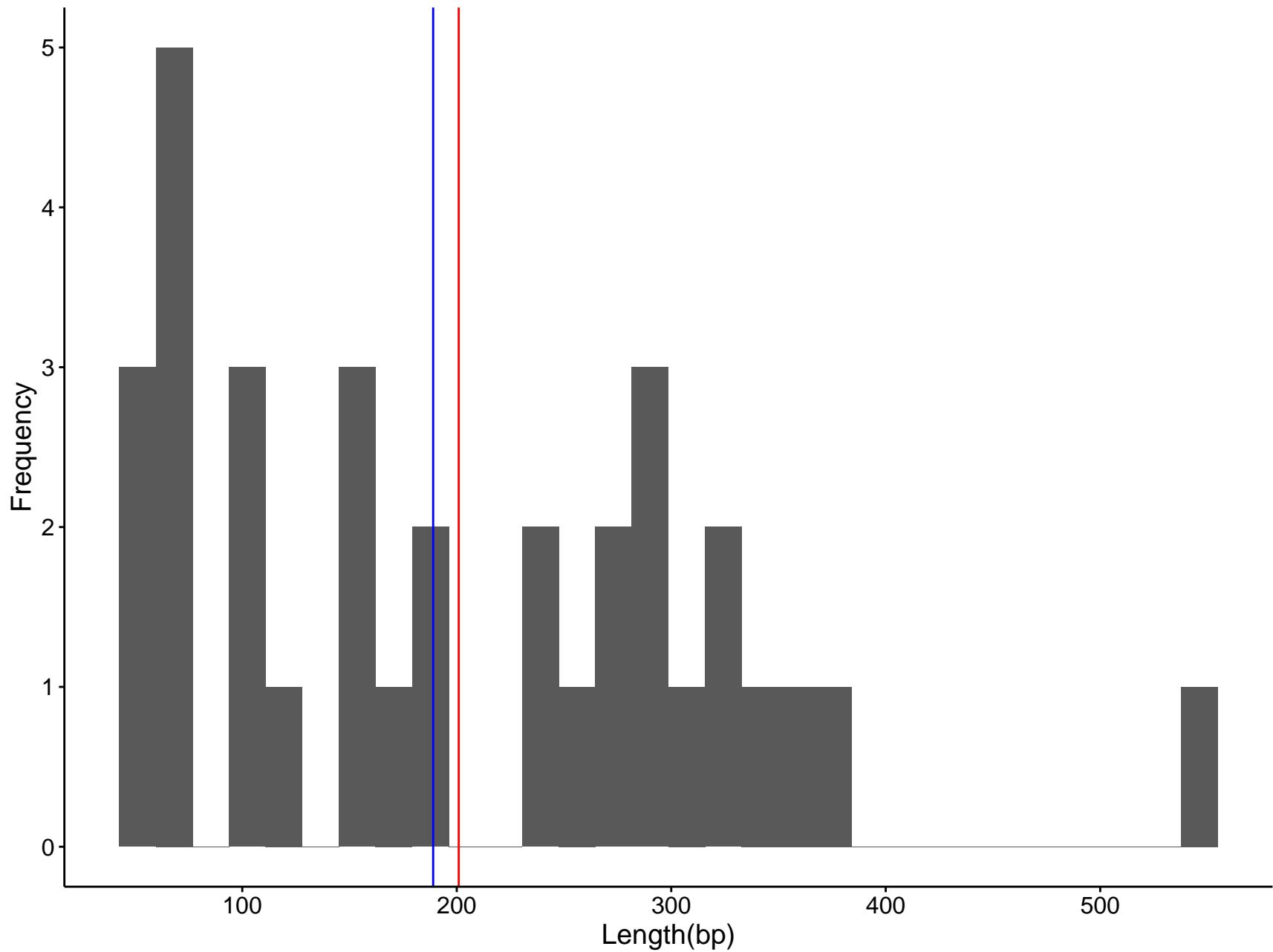
Cluster1060



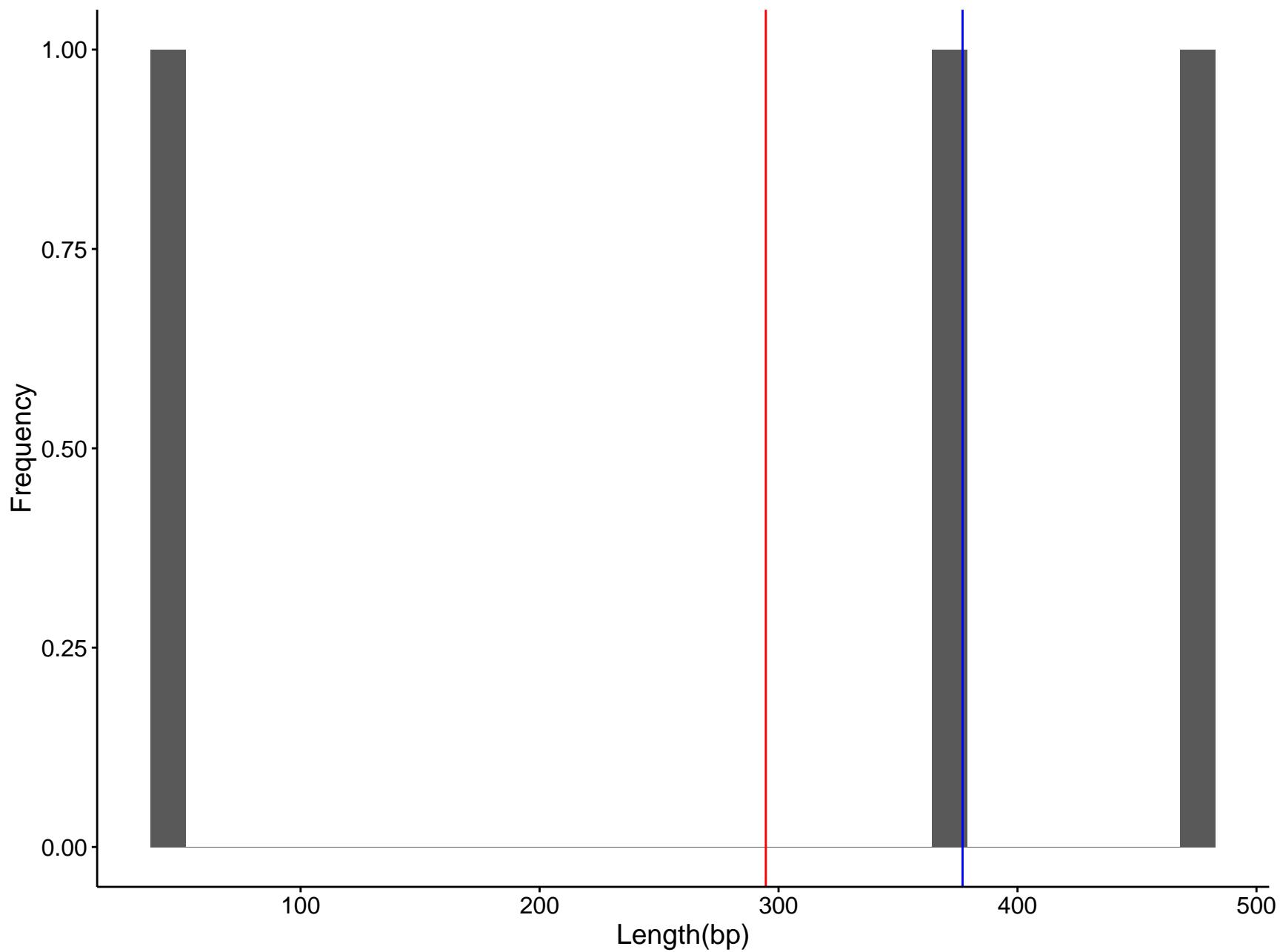
Cluster1064



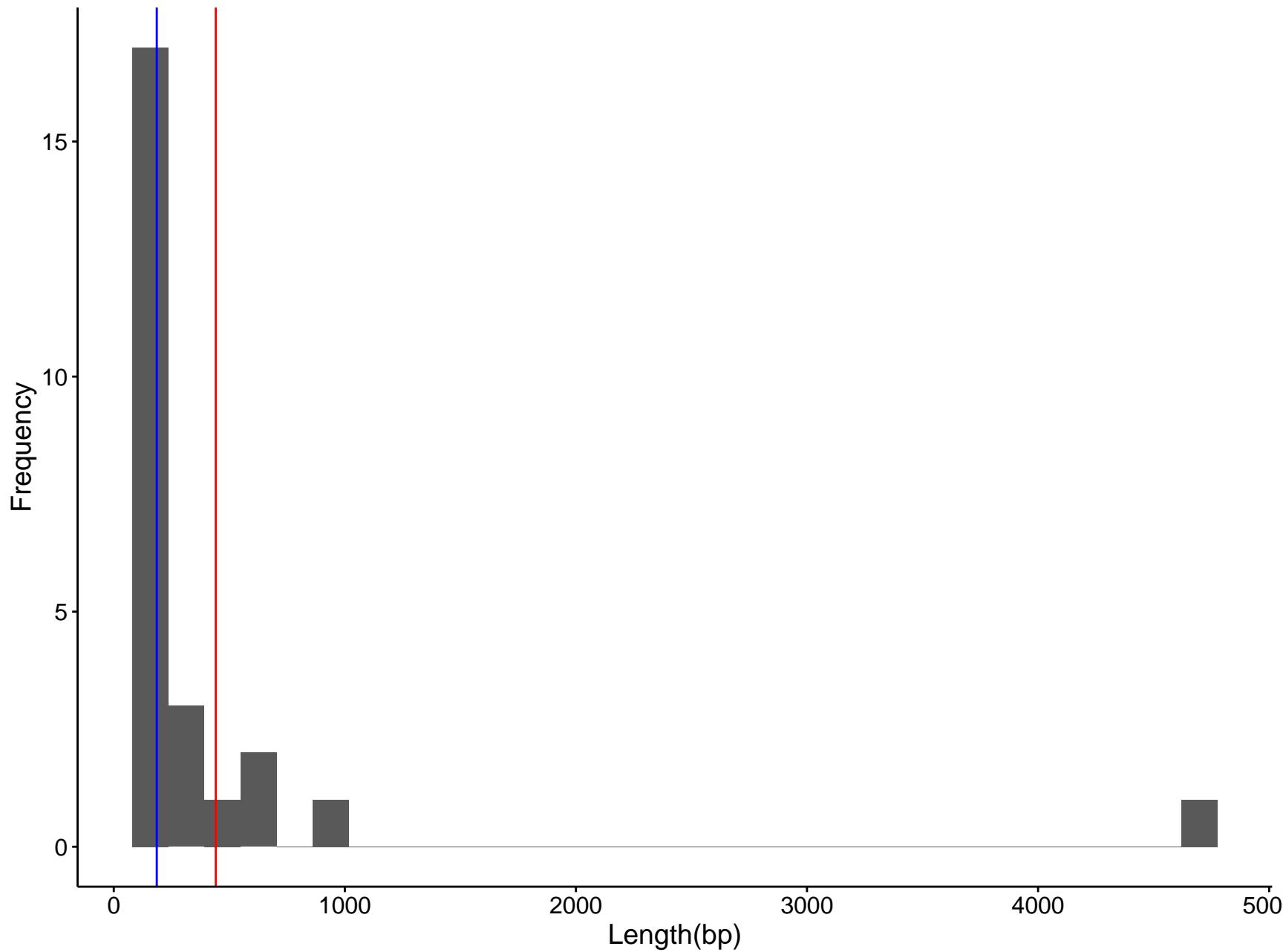
Cluster1066



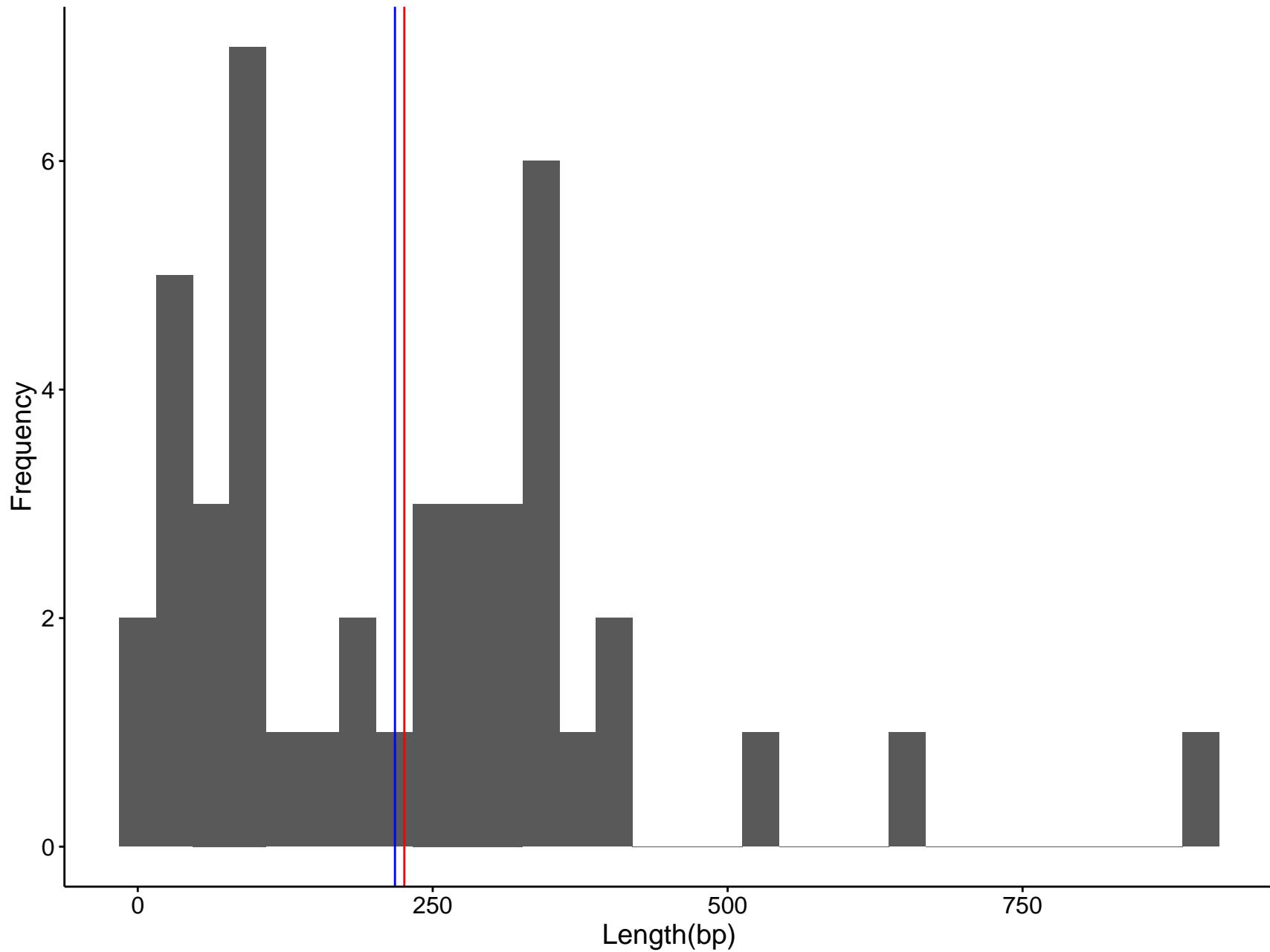
Cluster1067



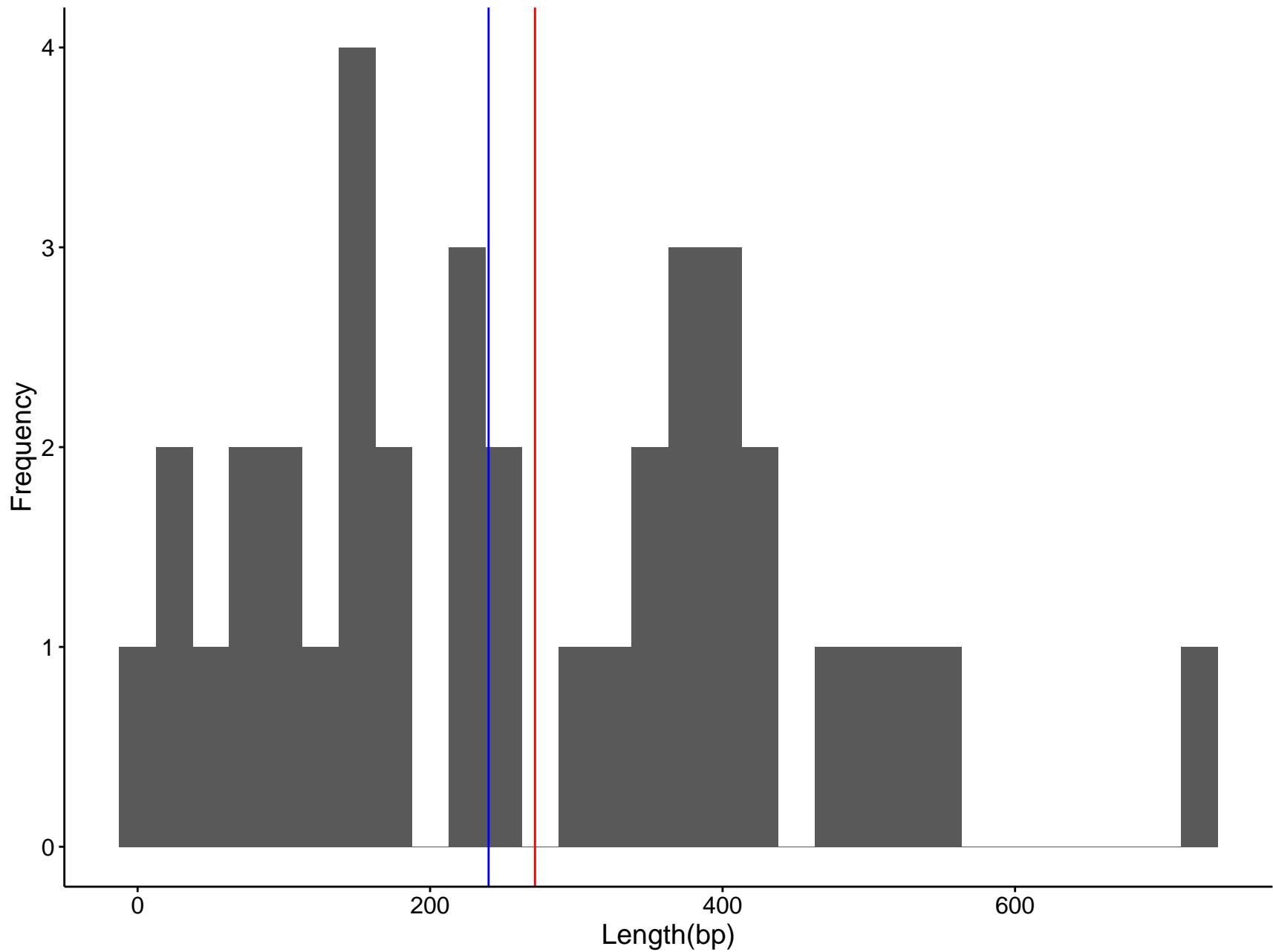
Cluster106



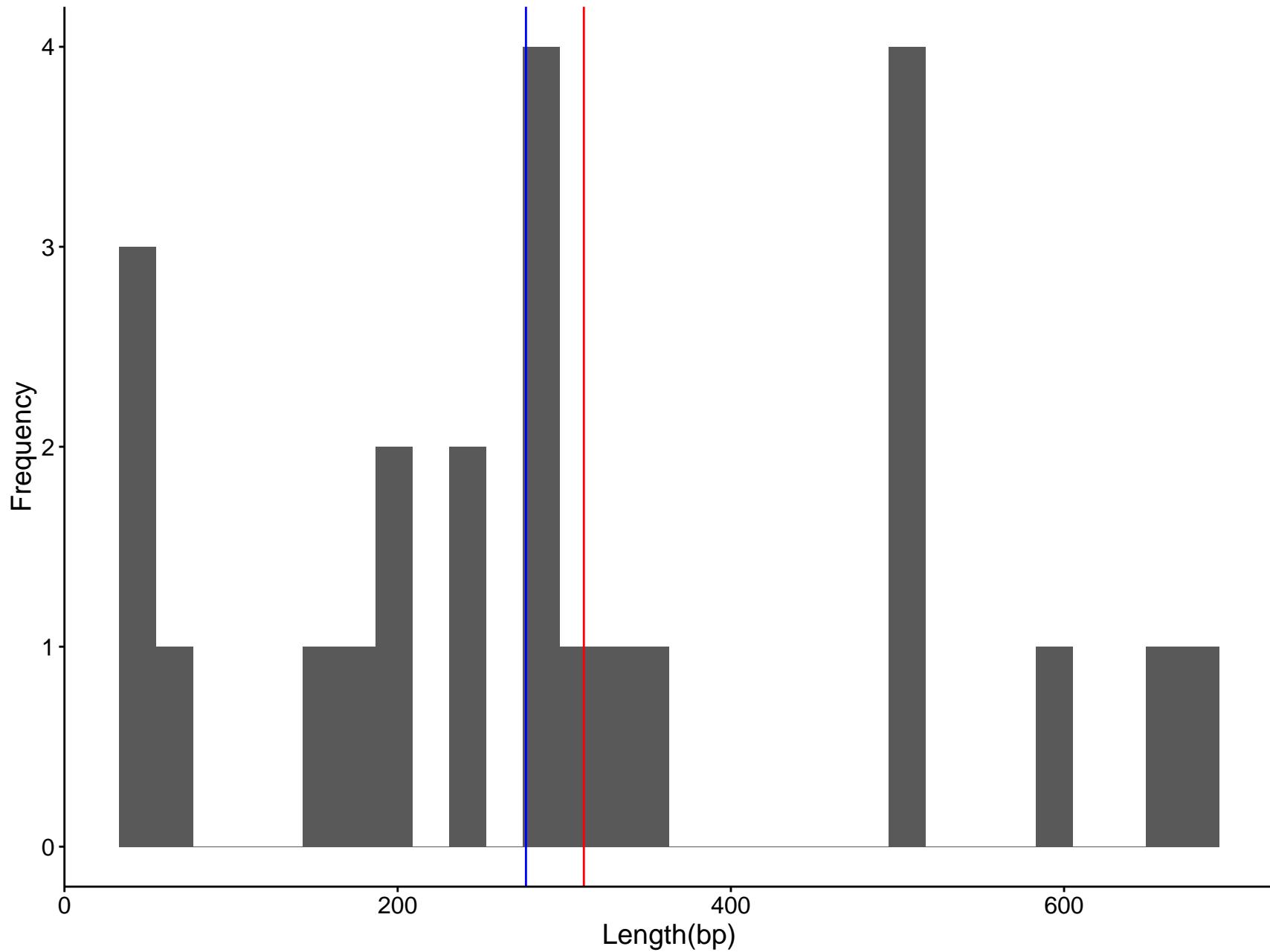
Cluster1070



Cluster1071



Cluster1072



# Cluster1073

Frequency

306.950

306.975

307.000

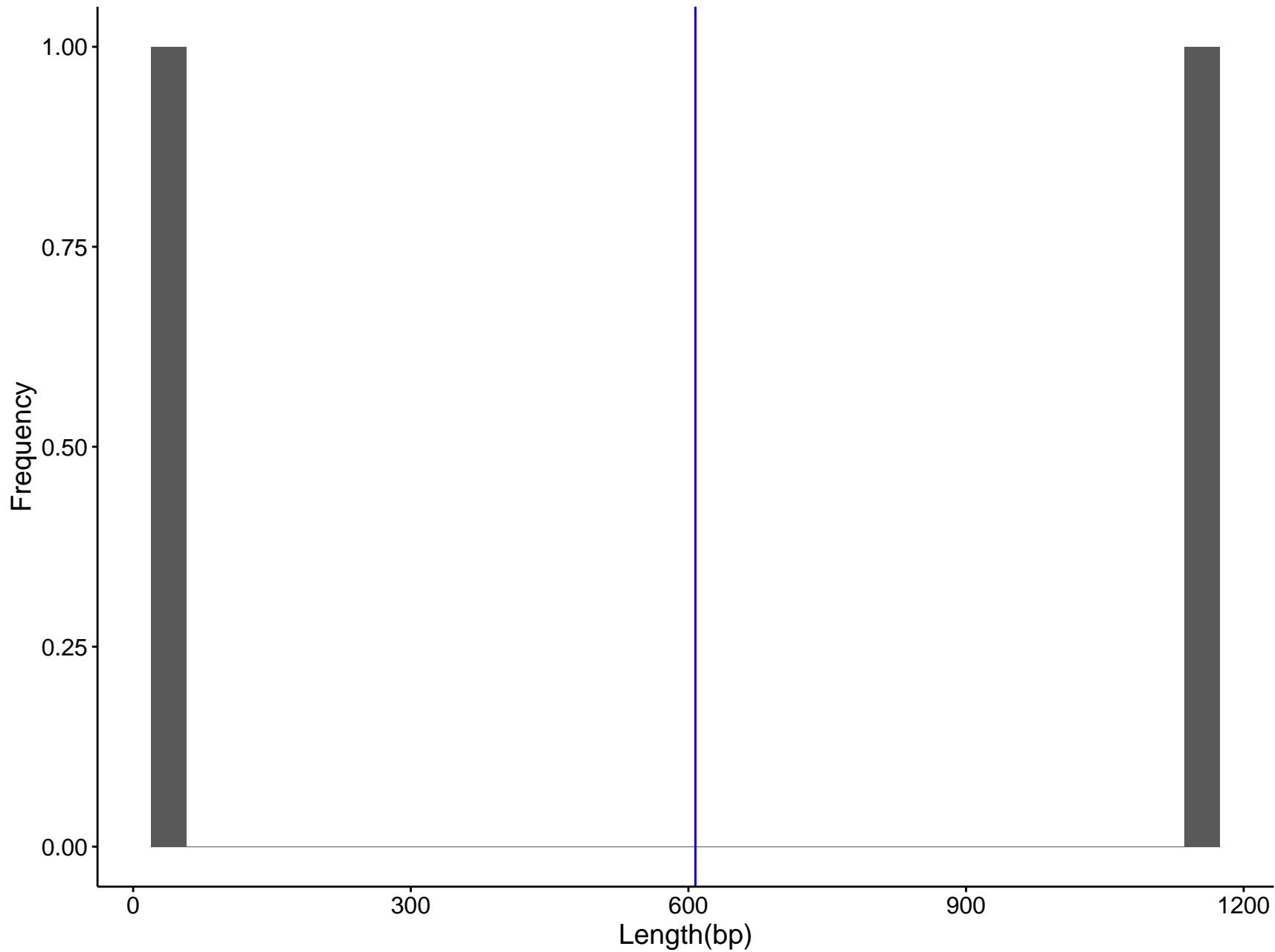
307.025

307.050

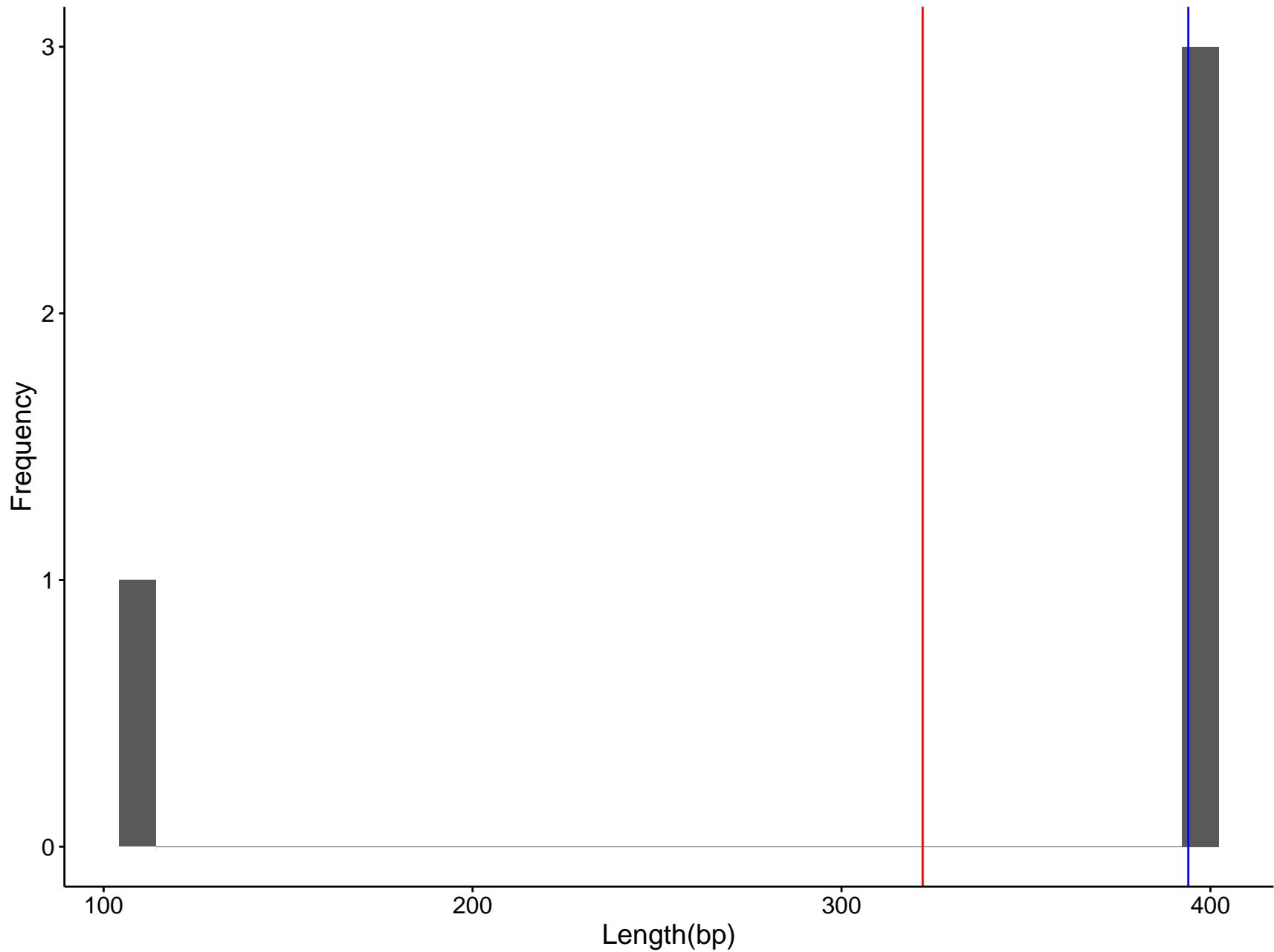
Length(bp)



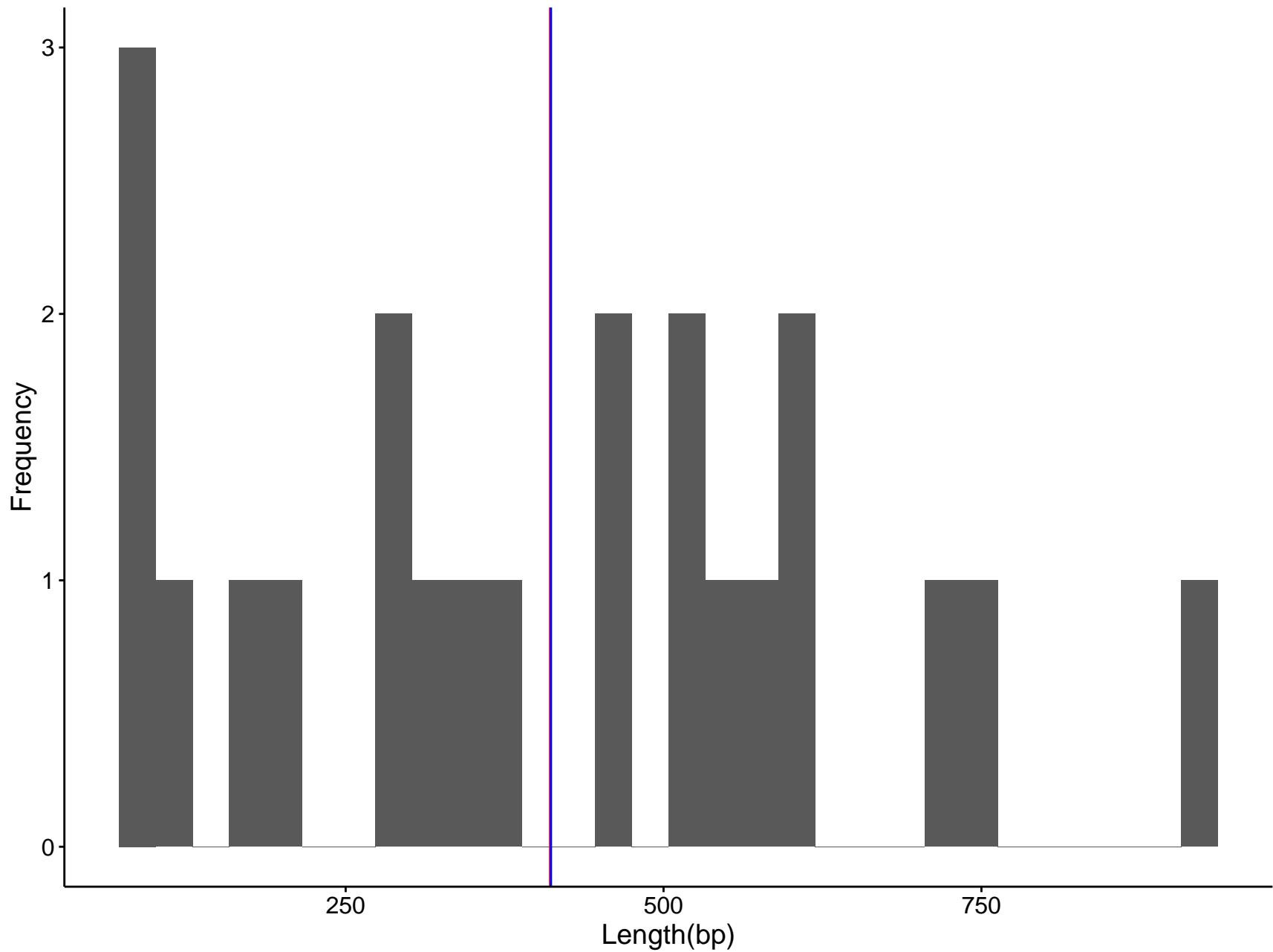
Cluster1077



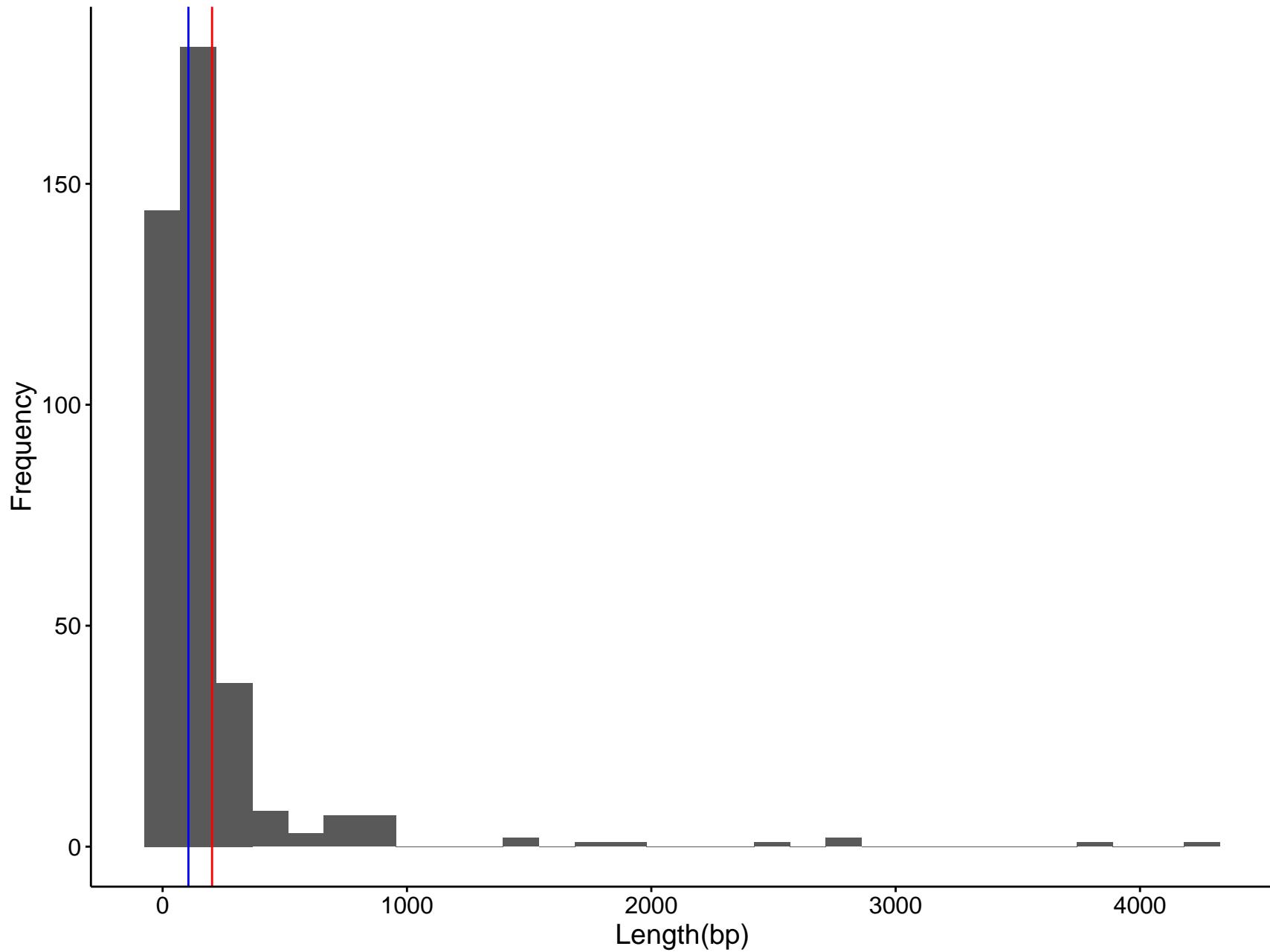
Cluster1078



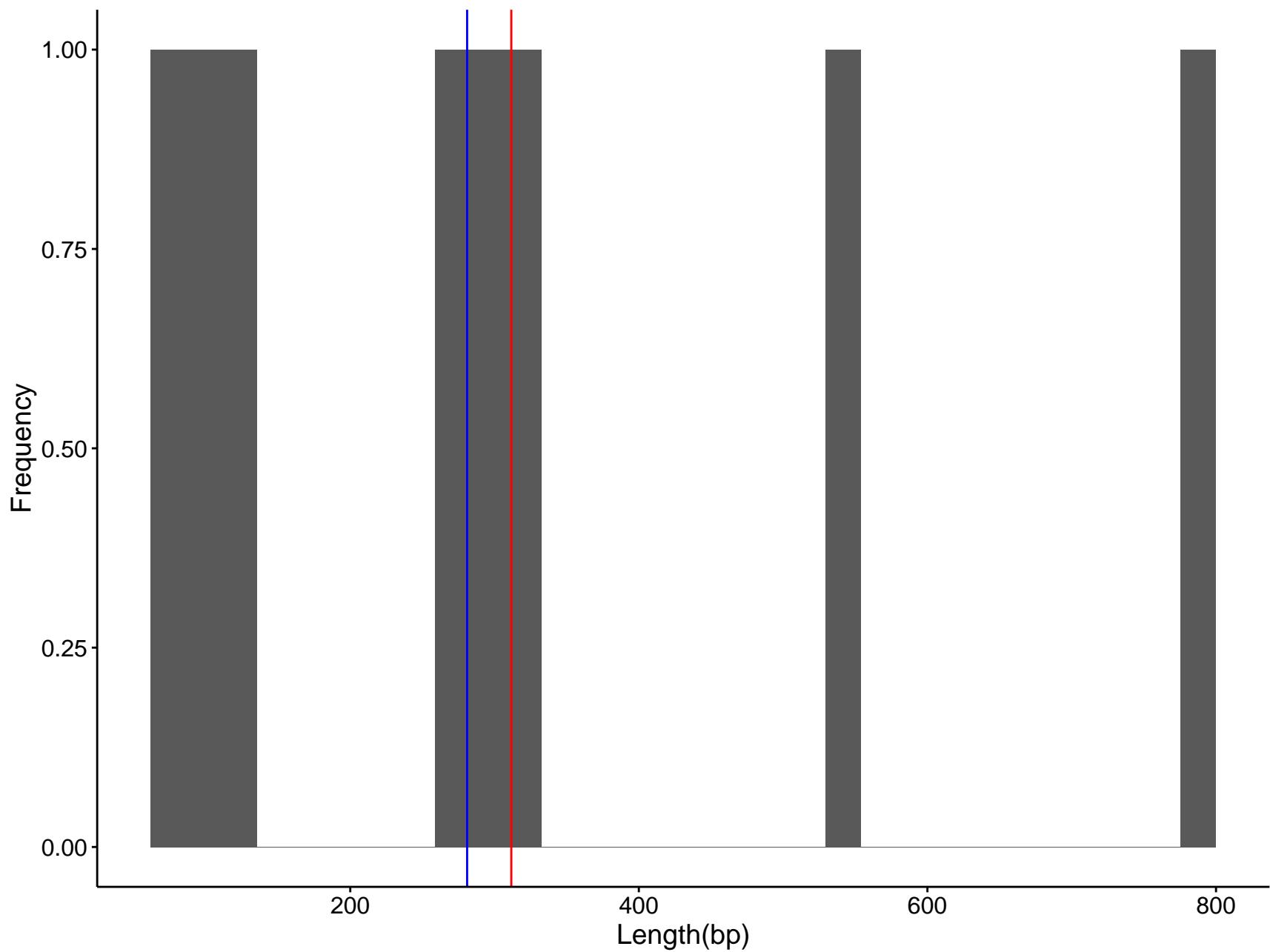
Cluster1079



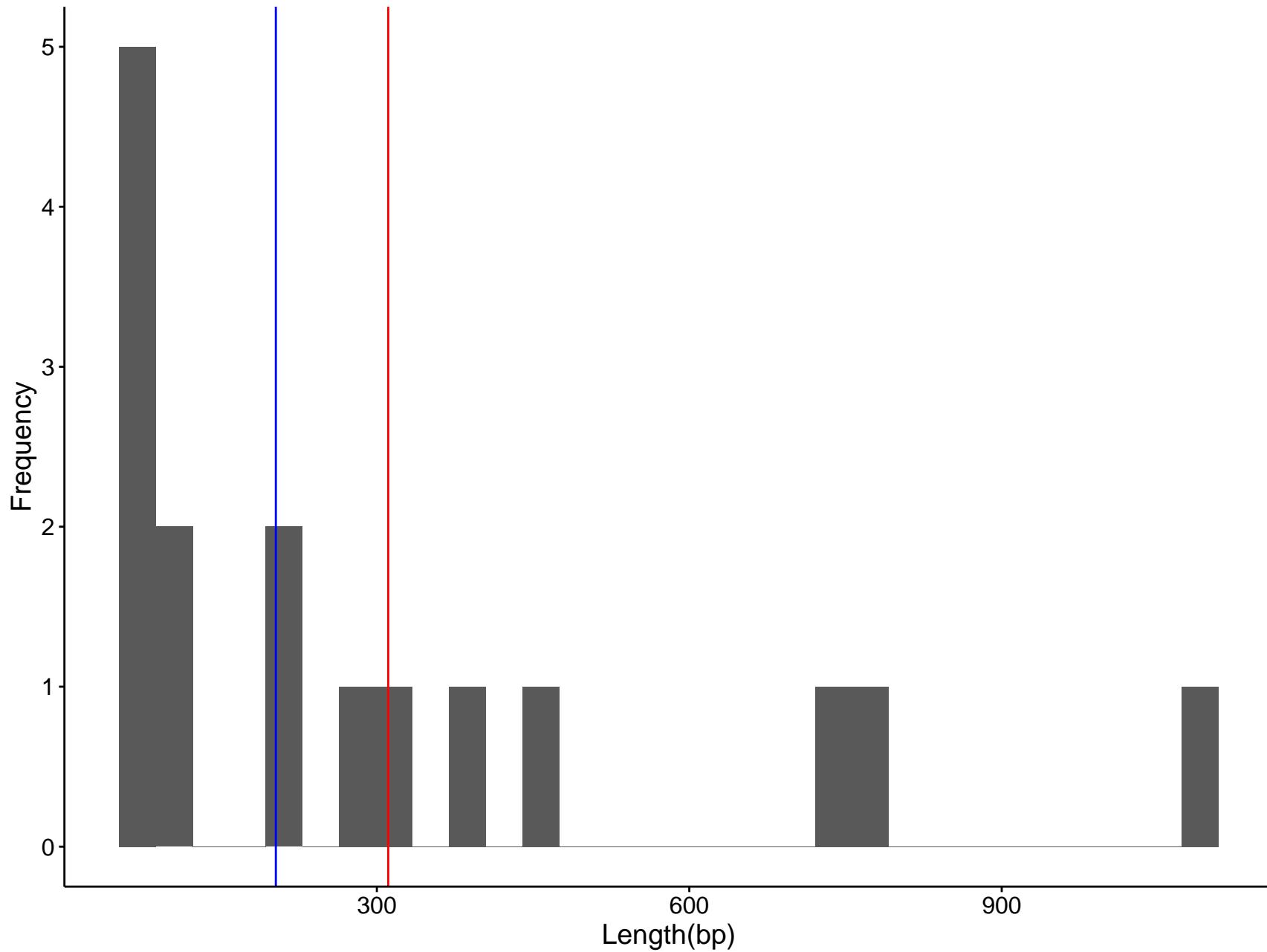
Cluster107



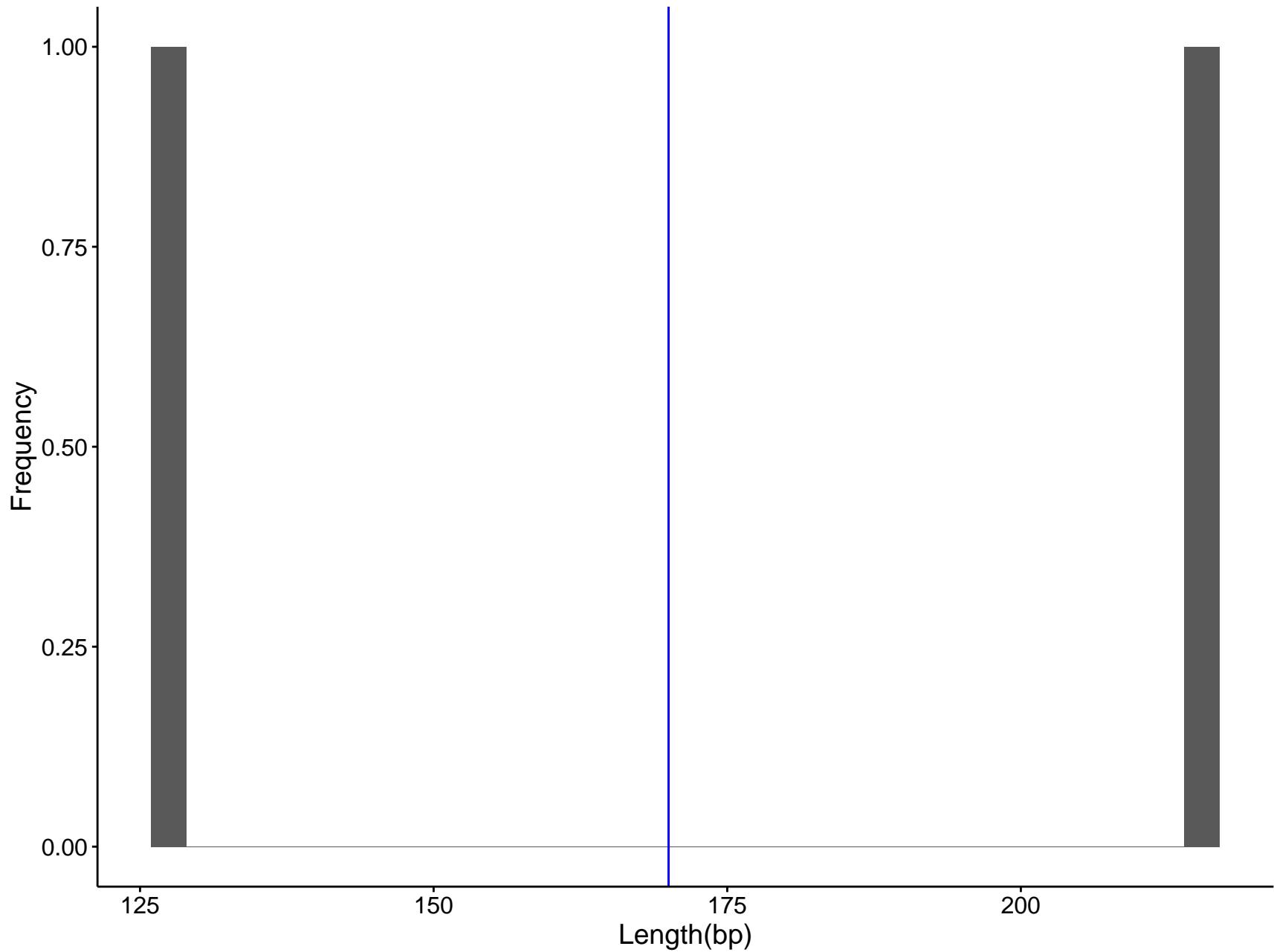
Cluster1080



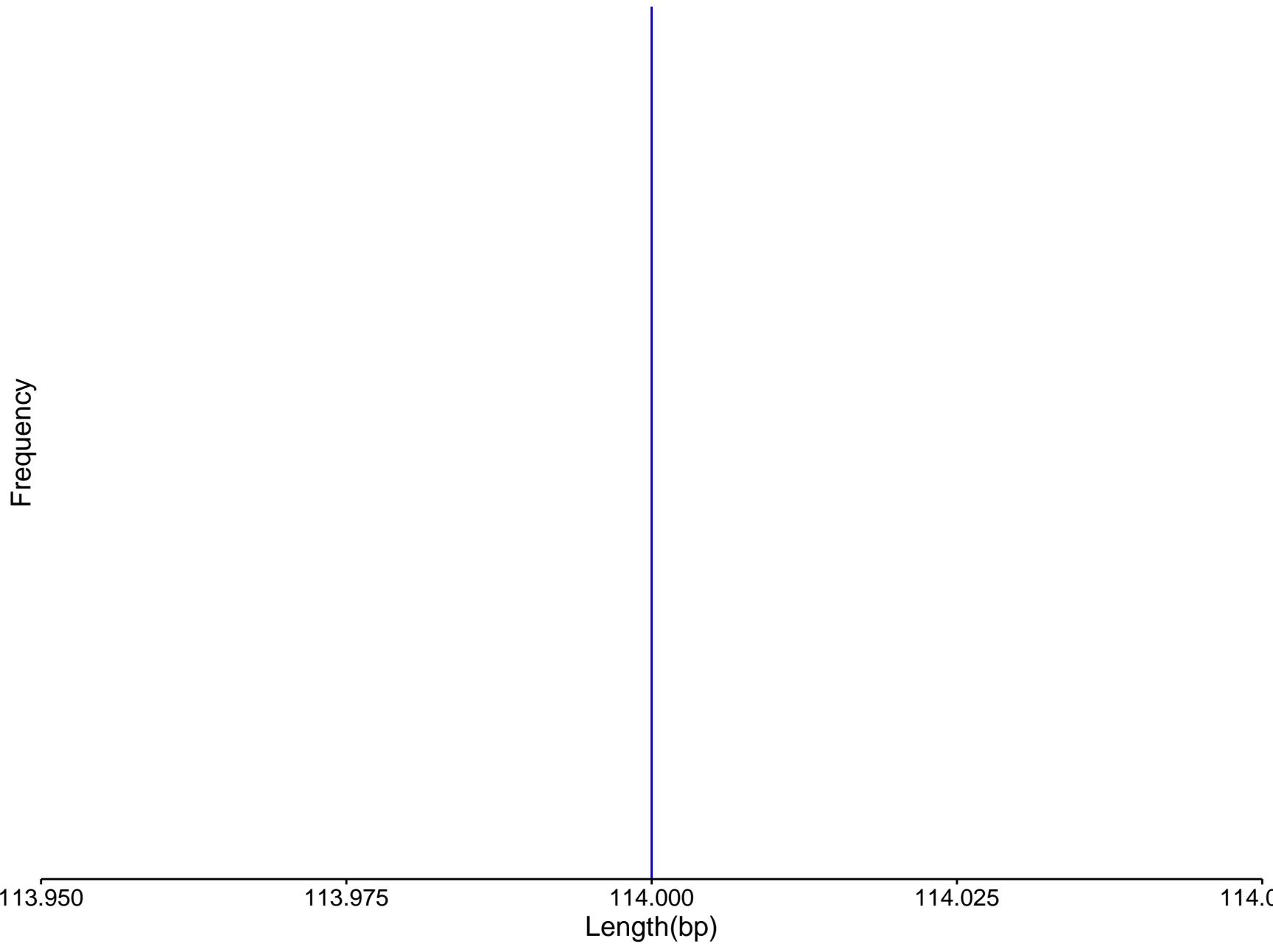
Cluster1082



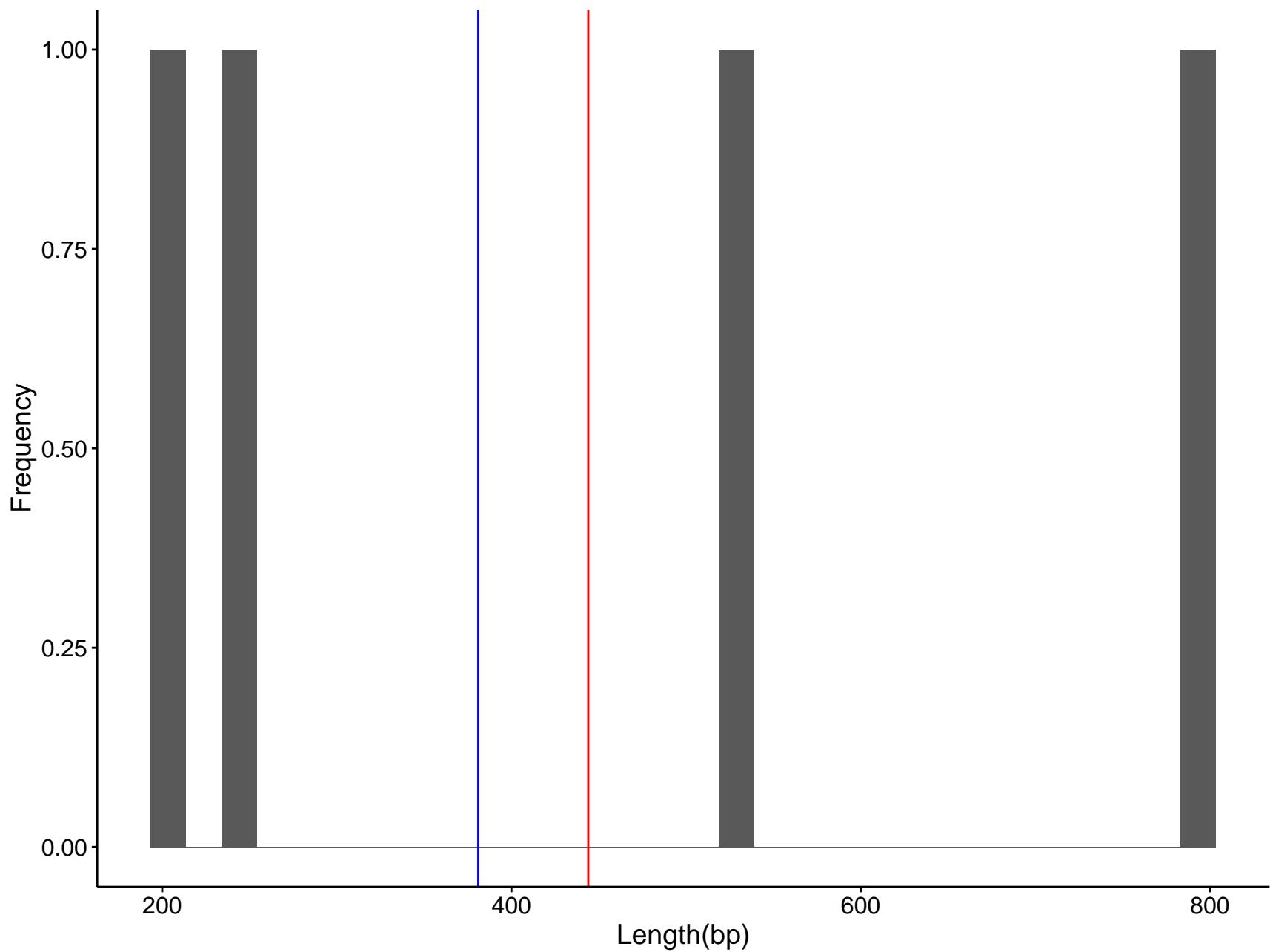
Cluster1083



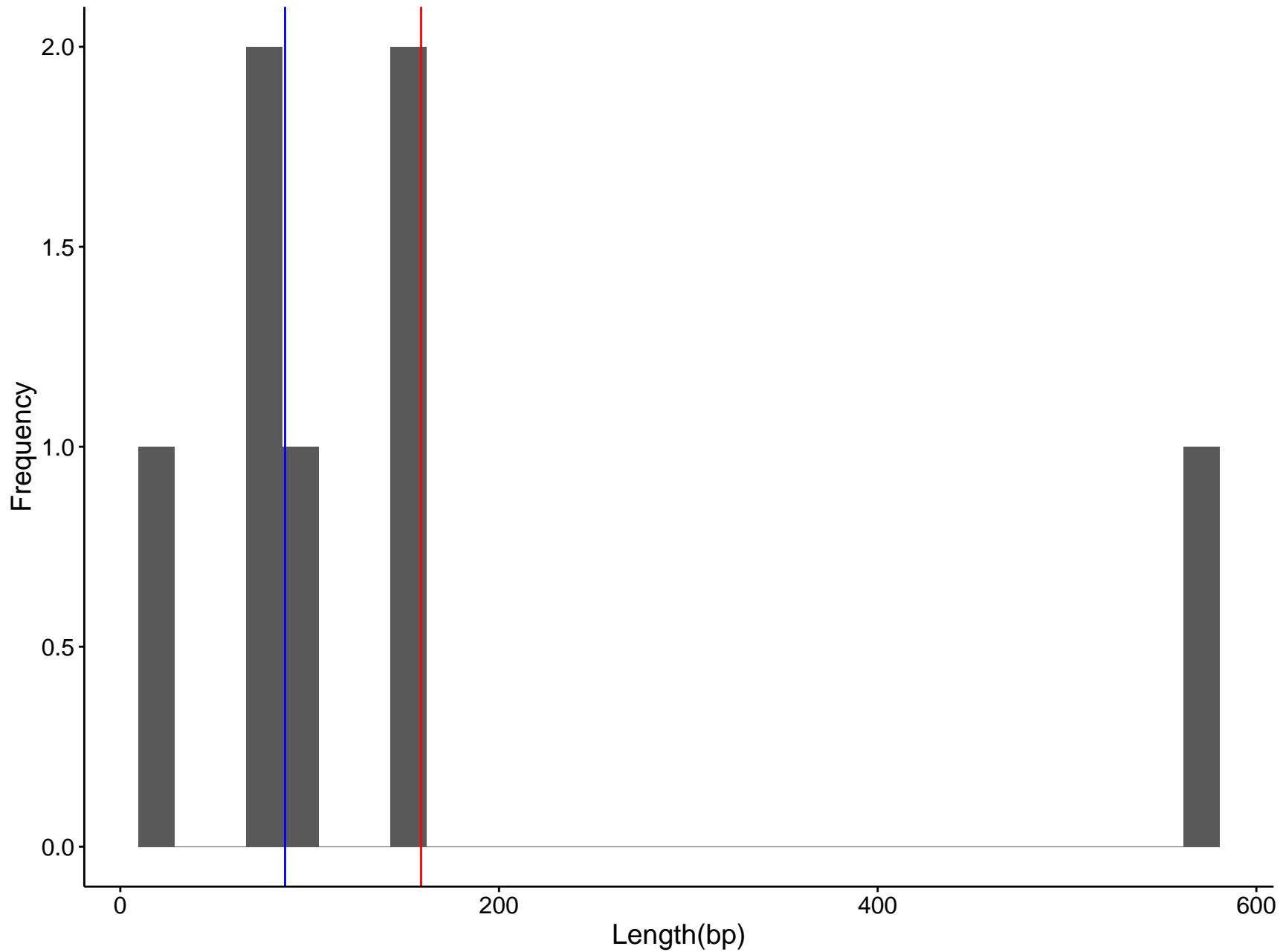
# Cluster1084



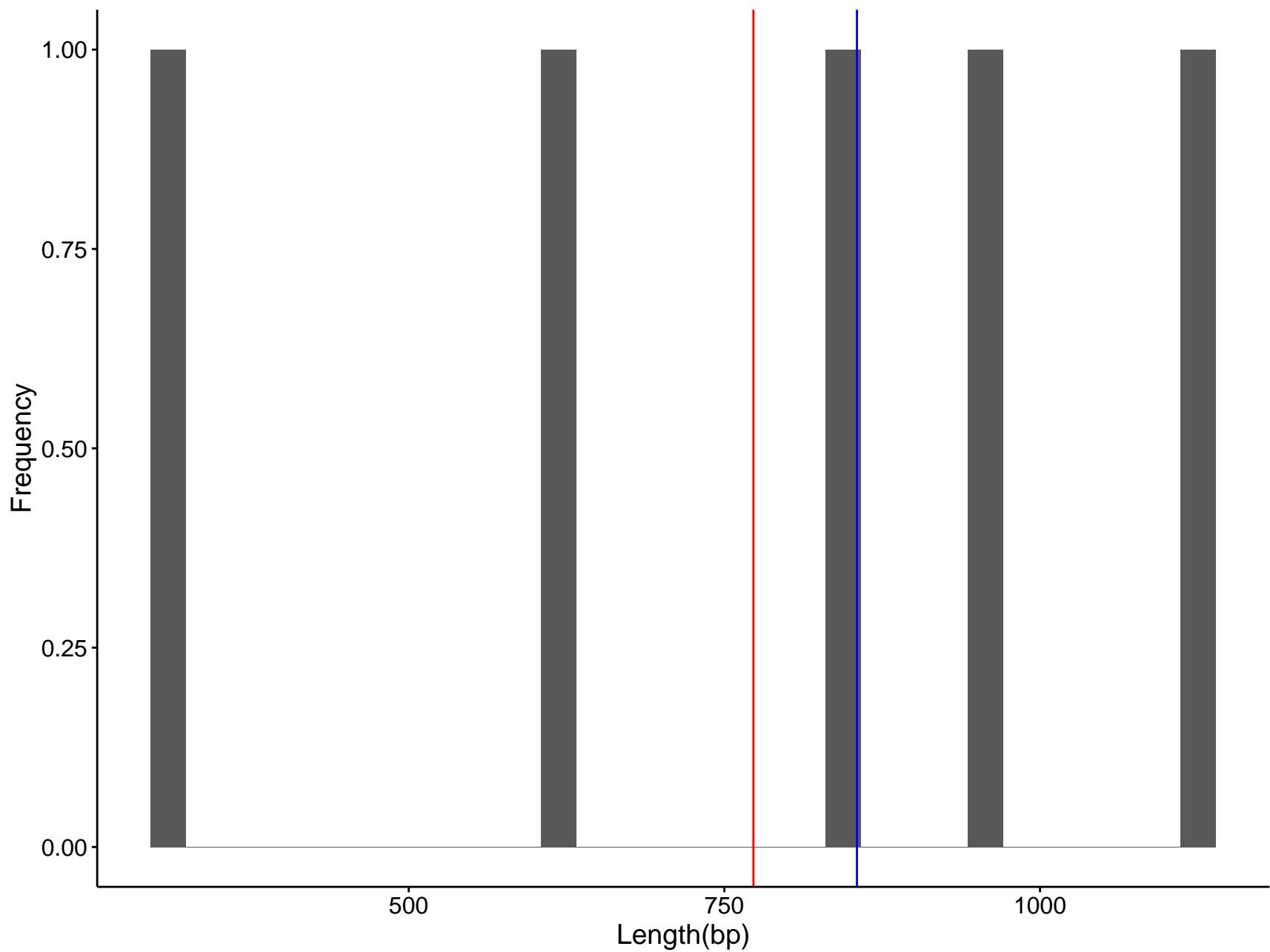
Cluster1087



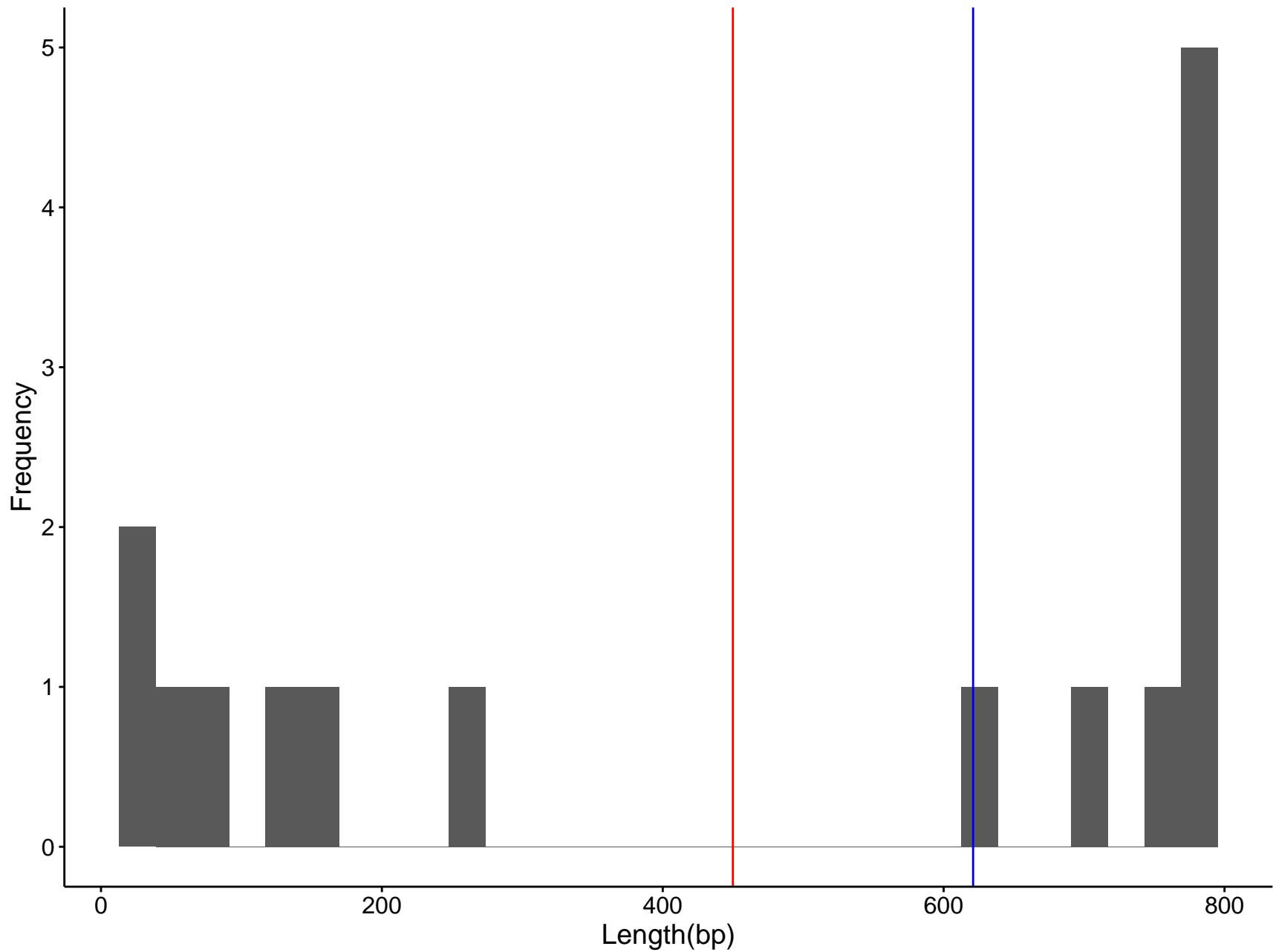
Cluster1088



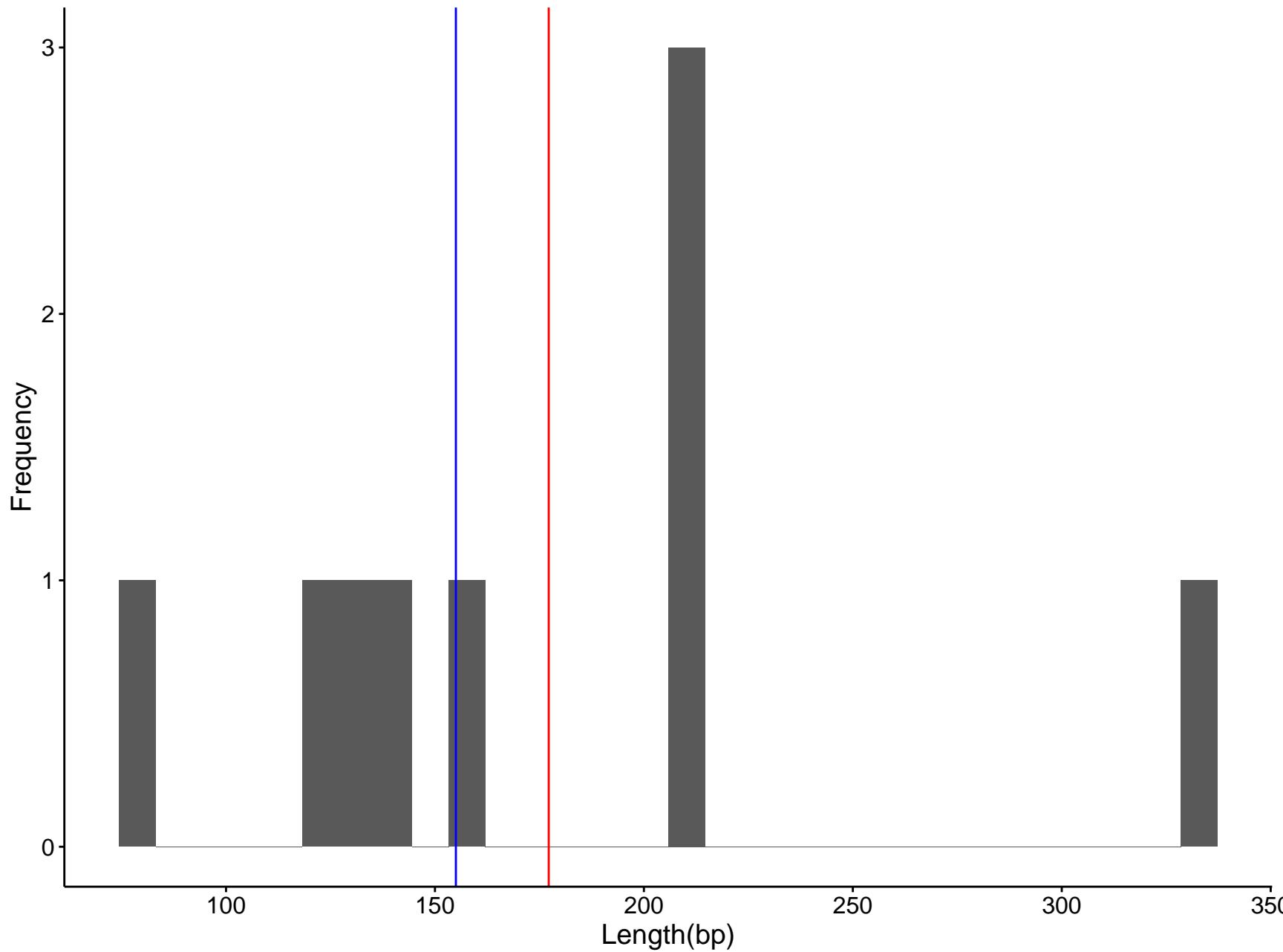
Cluster1089



Cluster1090



Cluster1092



# Cluster1093

Frequency

61.950

61.975

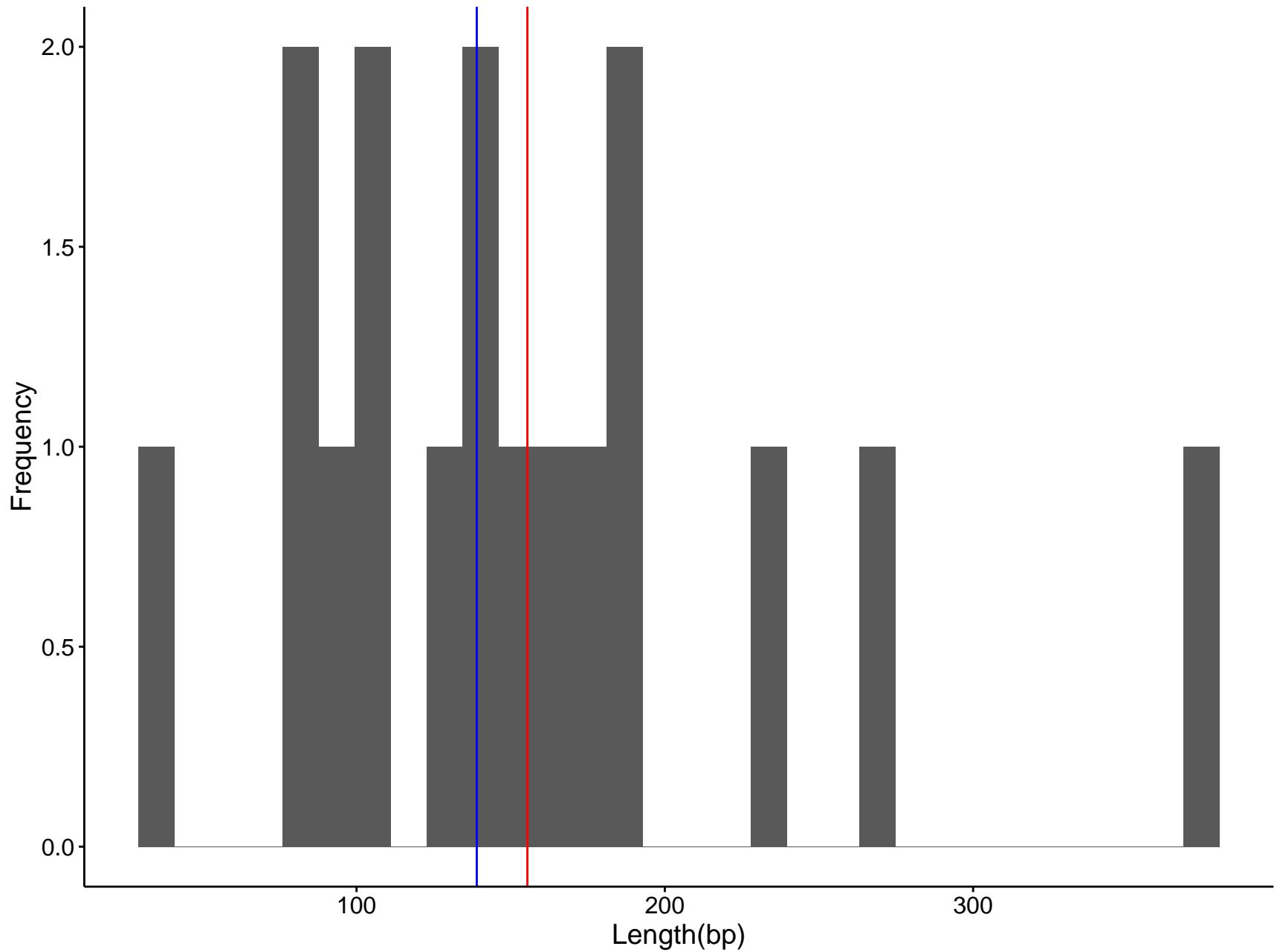
62.000

62.025

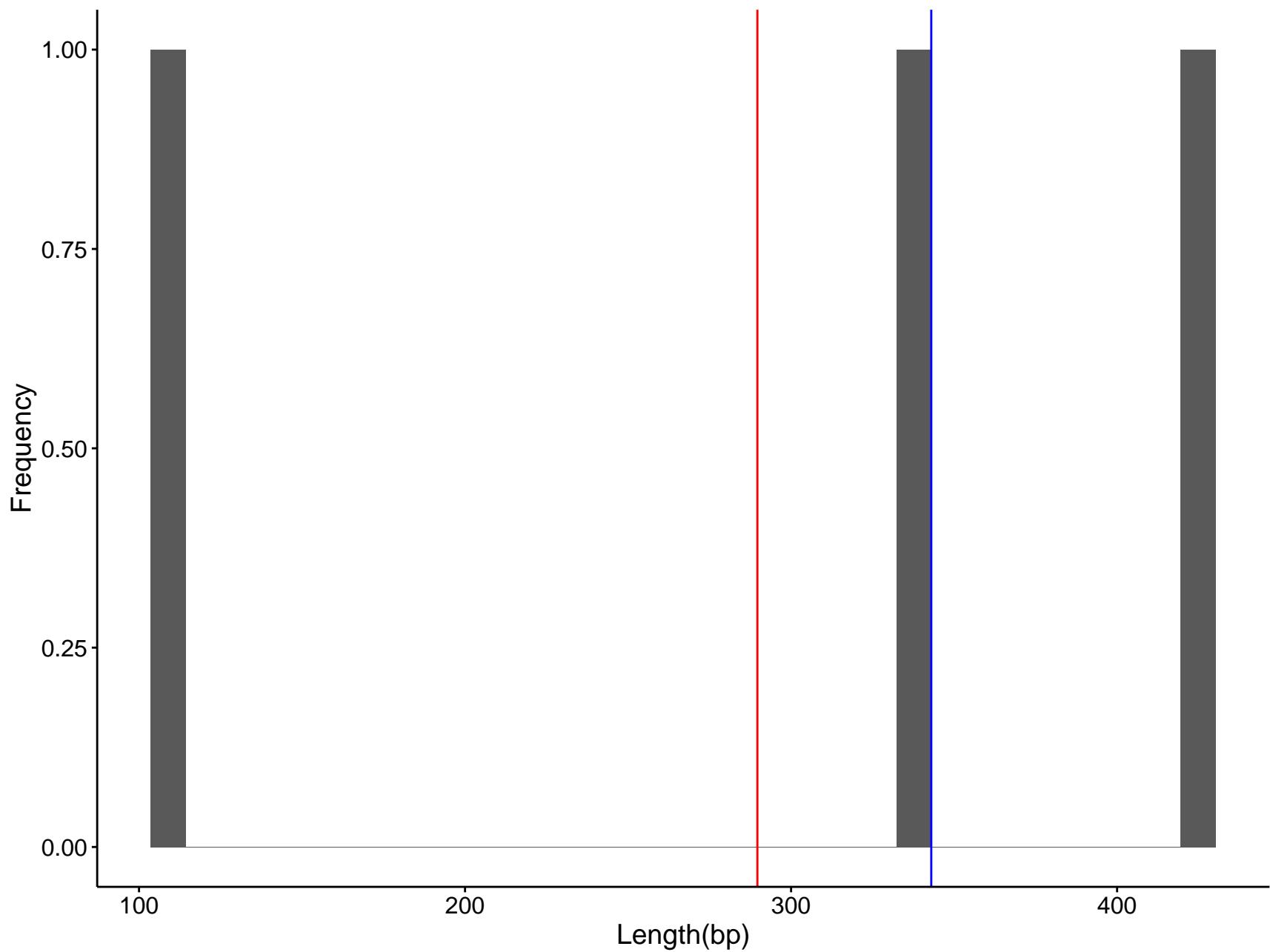
Length(bp)



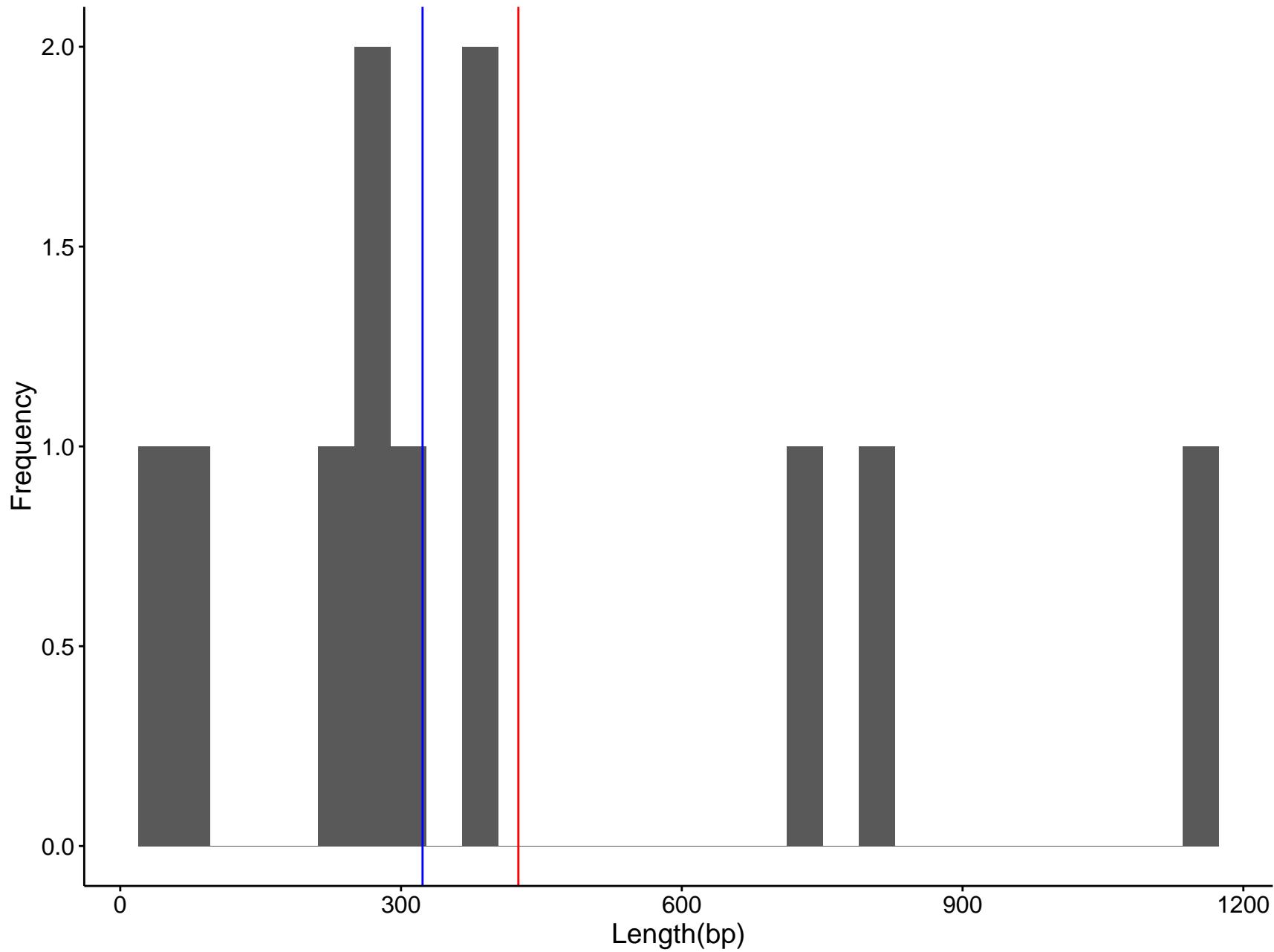
Cluster1094



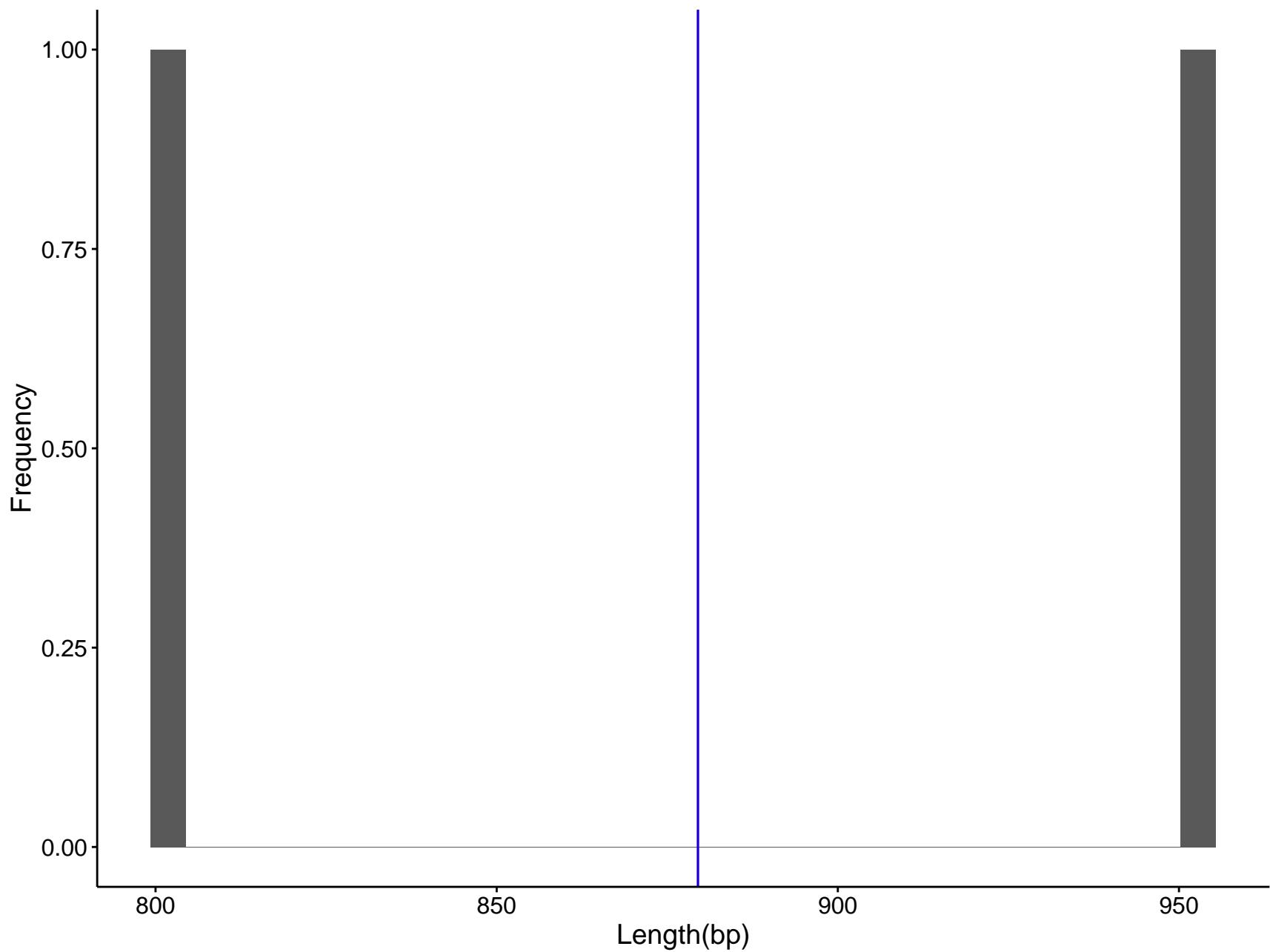
Cluster1095



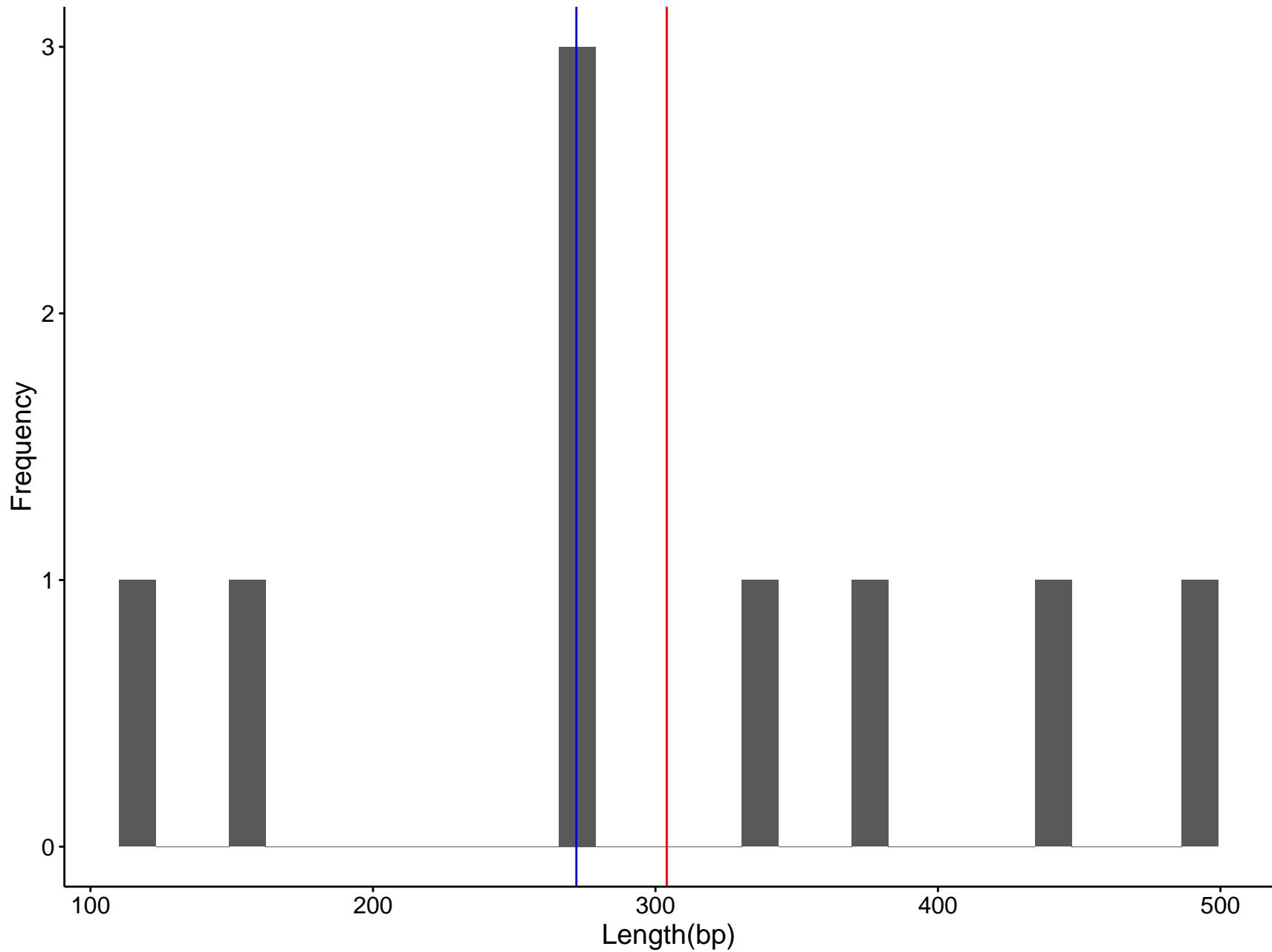
Cluster1096



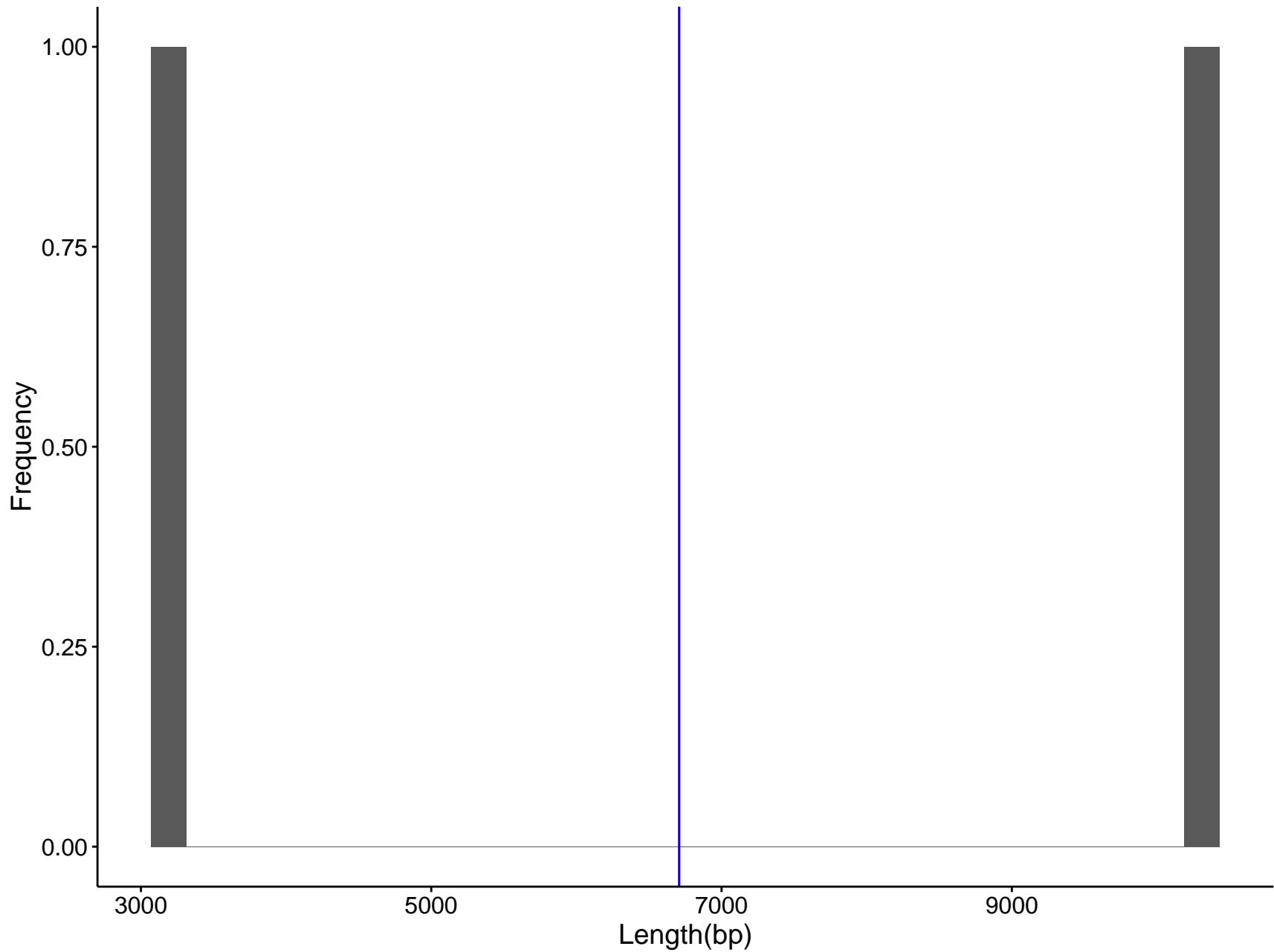
Cluster1097



# Cluster1098



Cluster109



# Cluster1100

Frequency

318.950

318.975

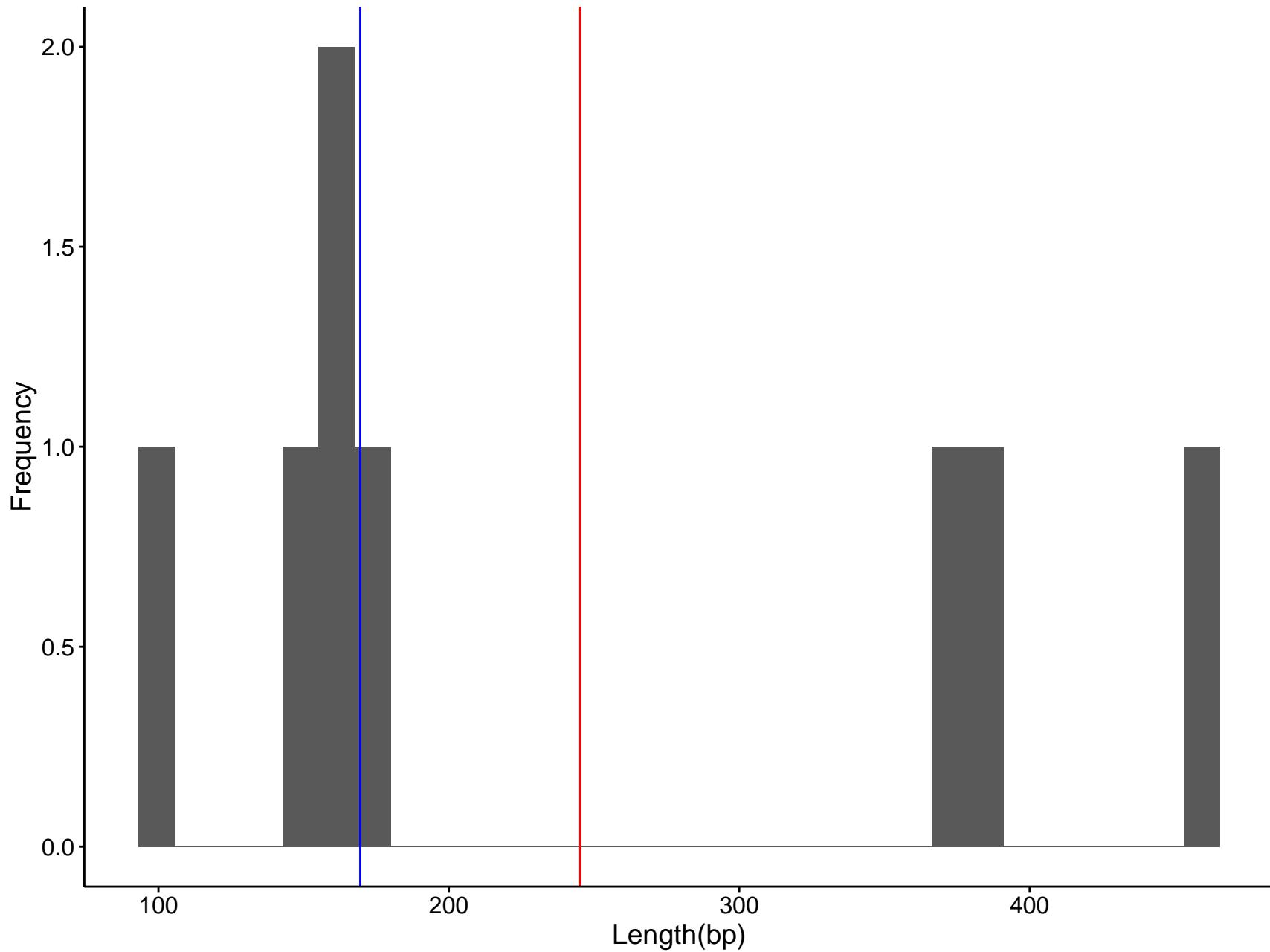
319.000

319.025

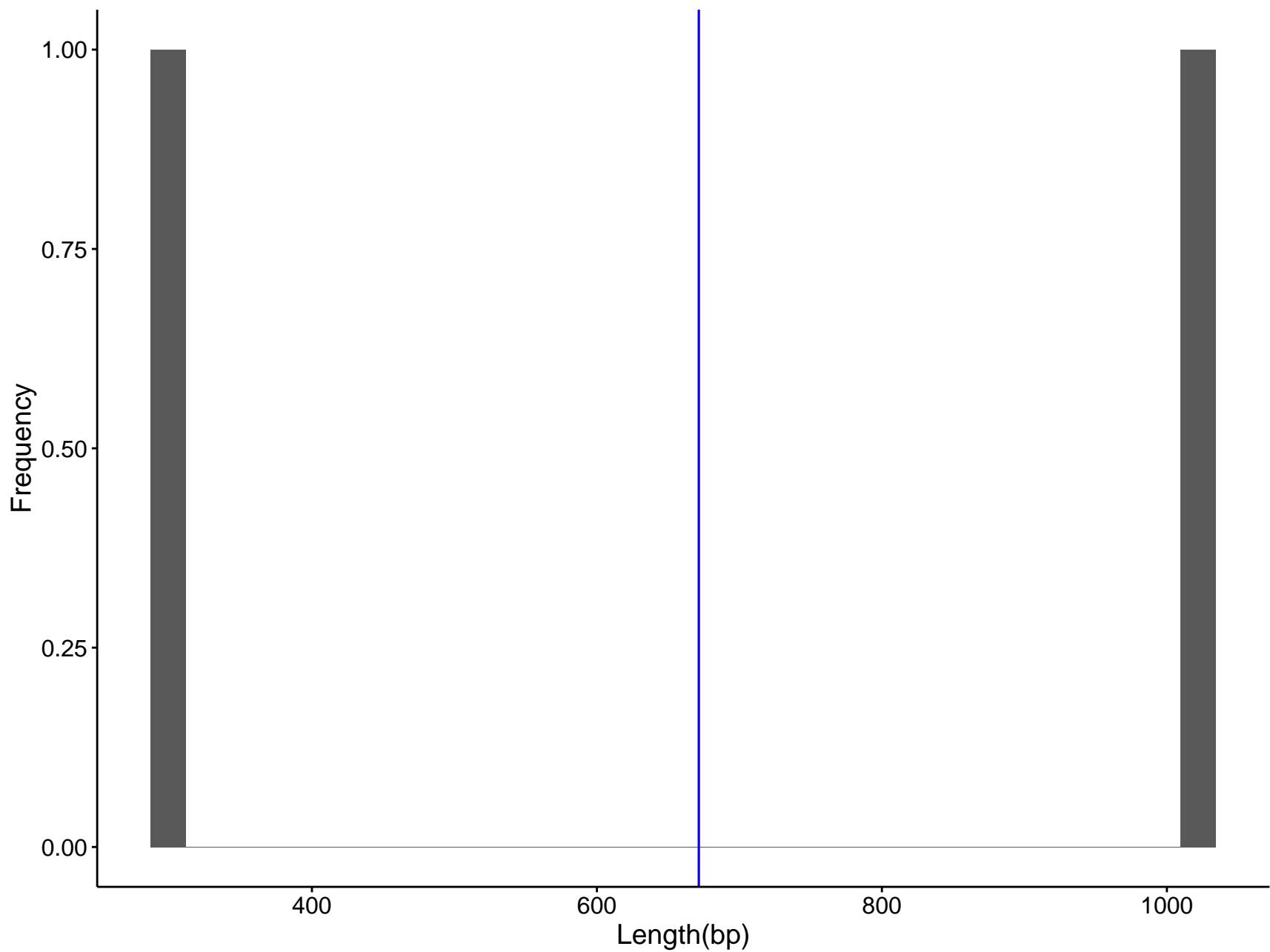
Length(bp)



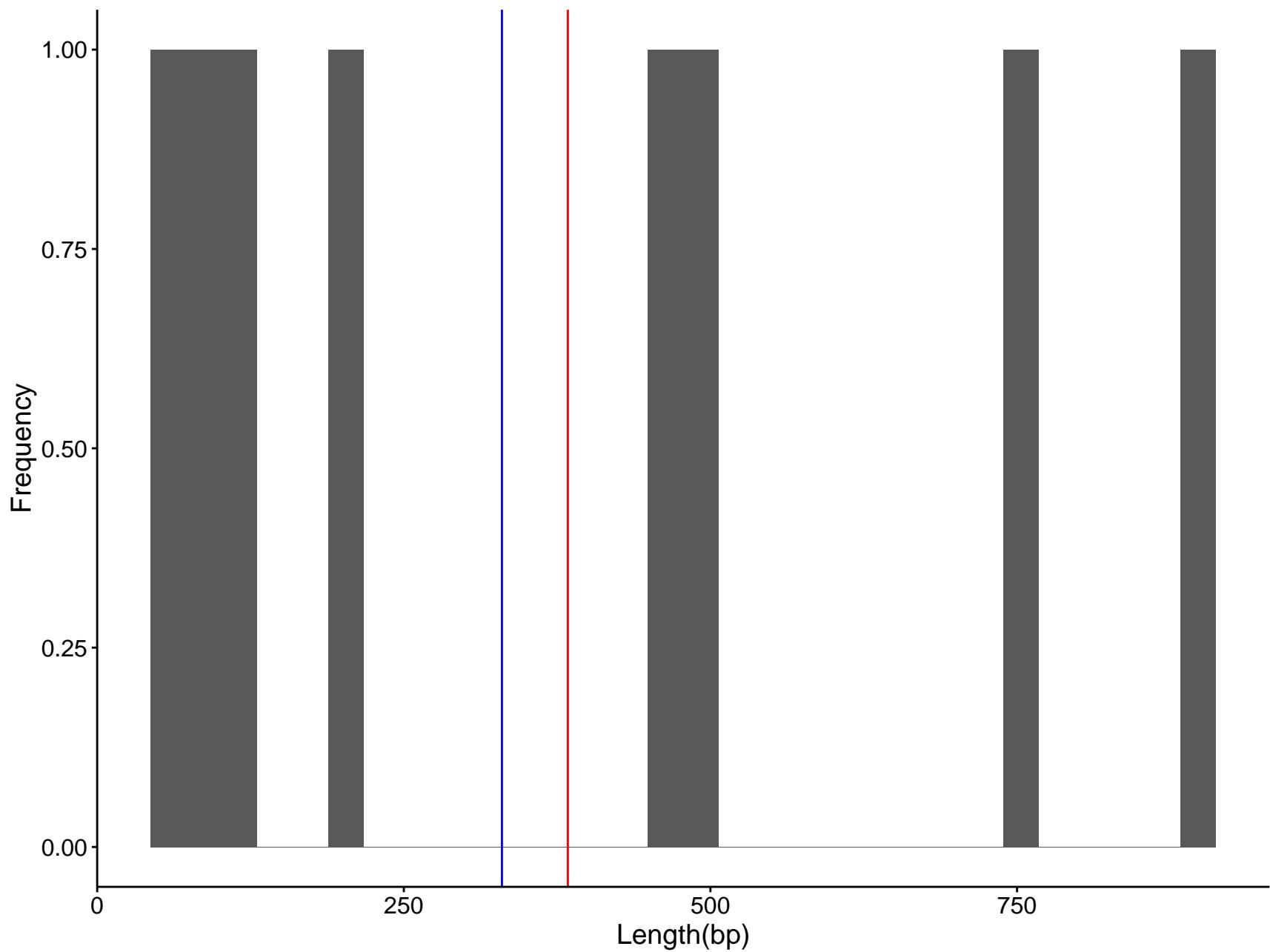
Cluster1101



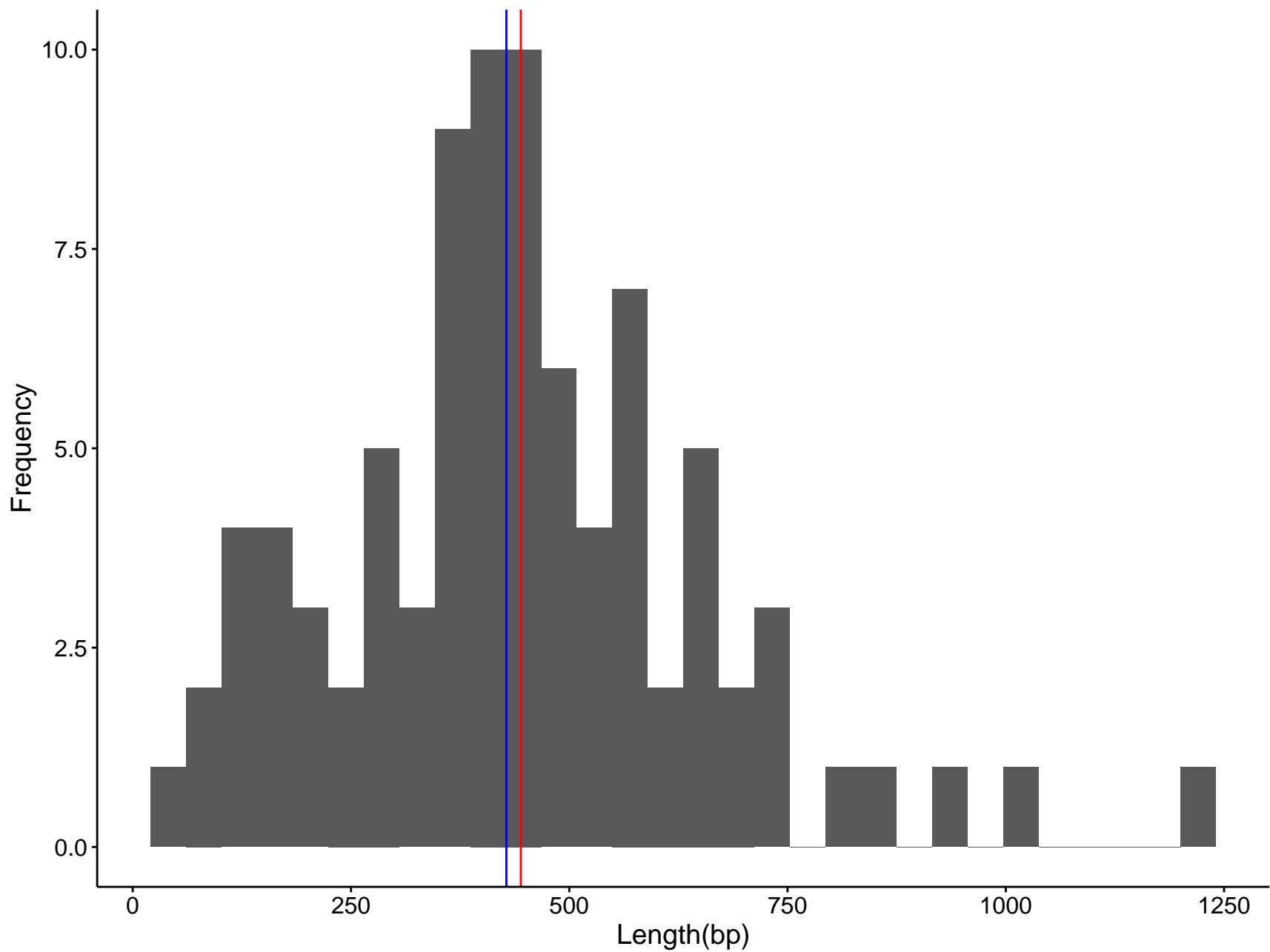
Cluster1102



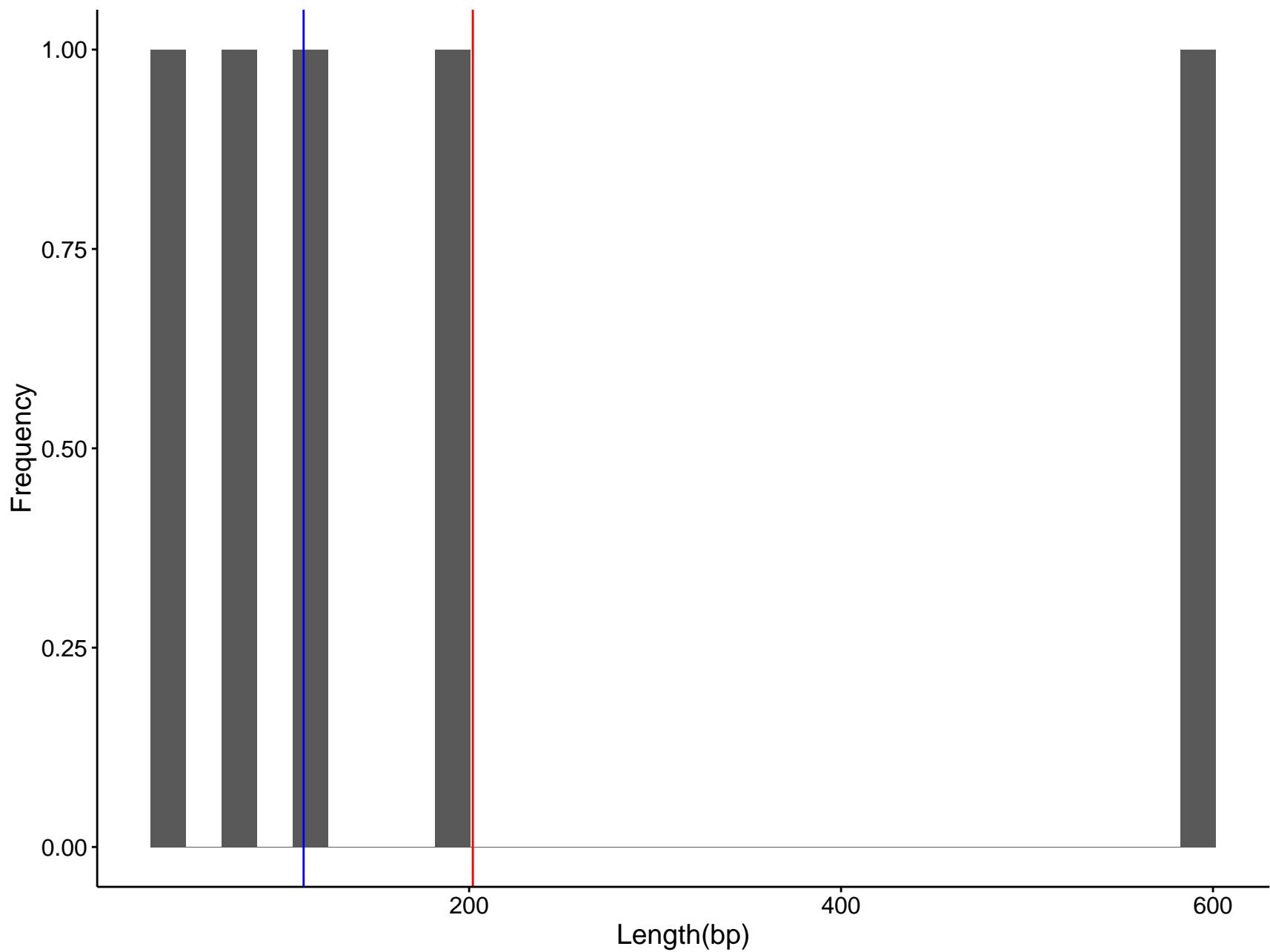
Cluster1103



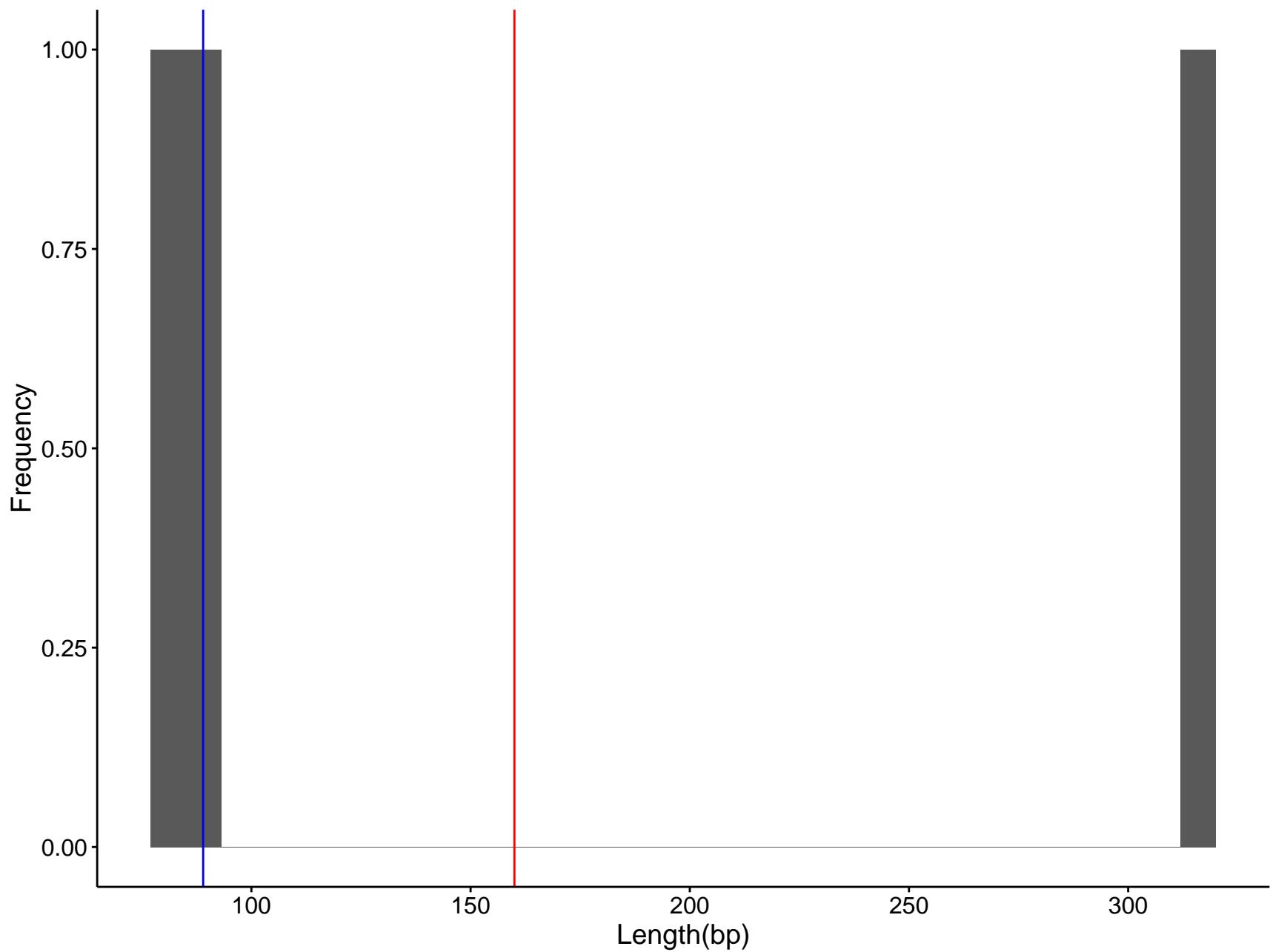
Cluster1106



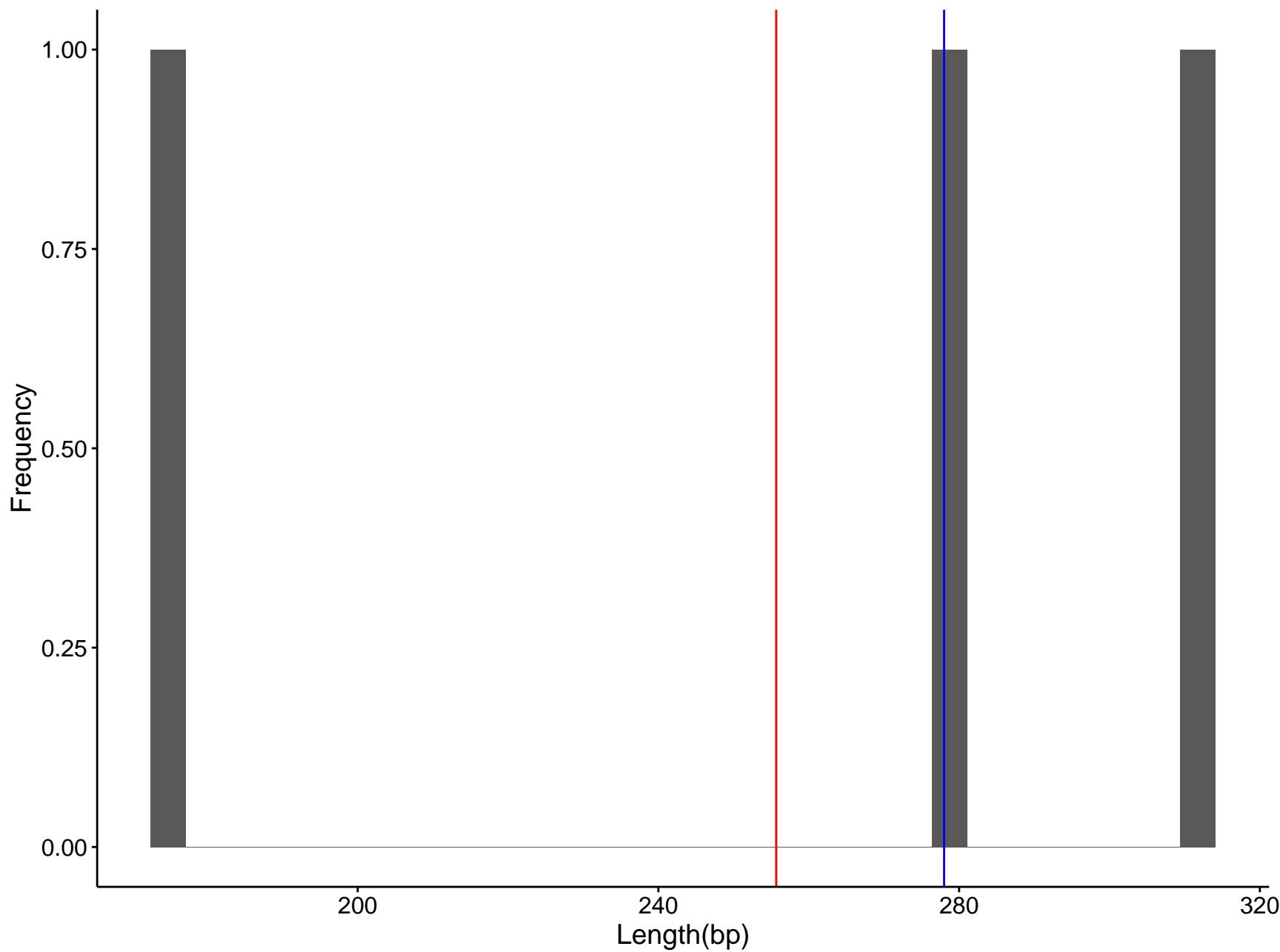
Cluster1107



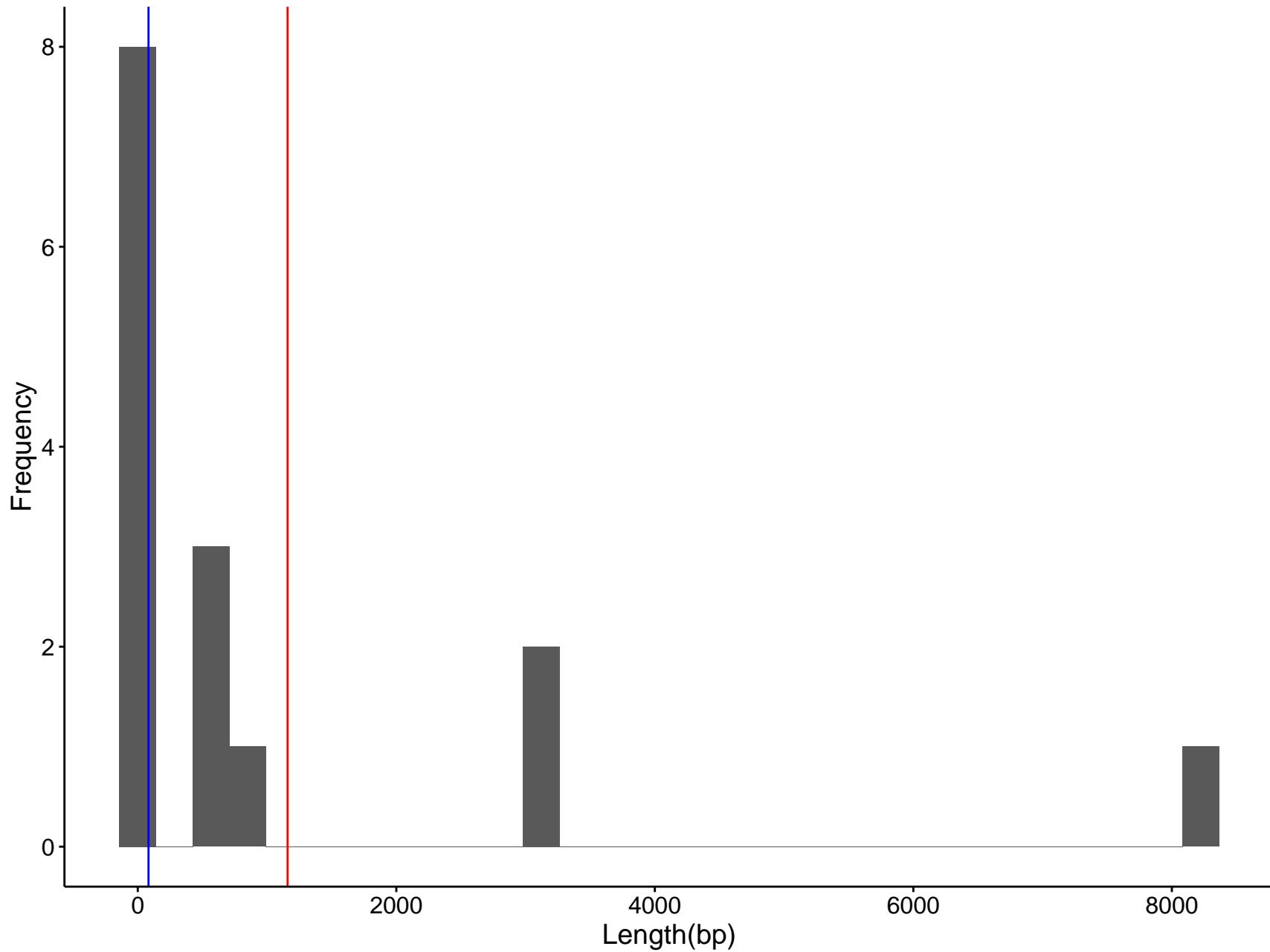
Cluster1108



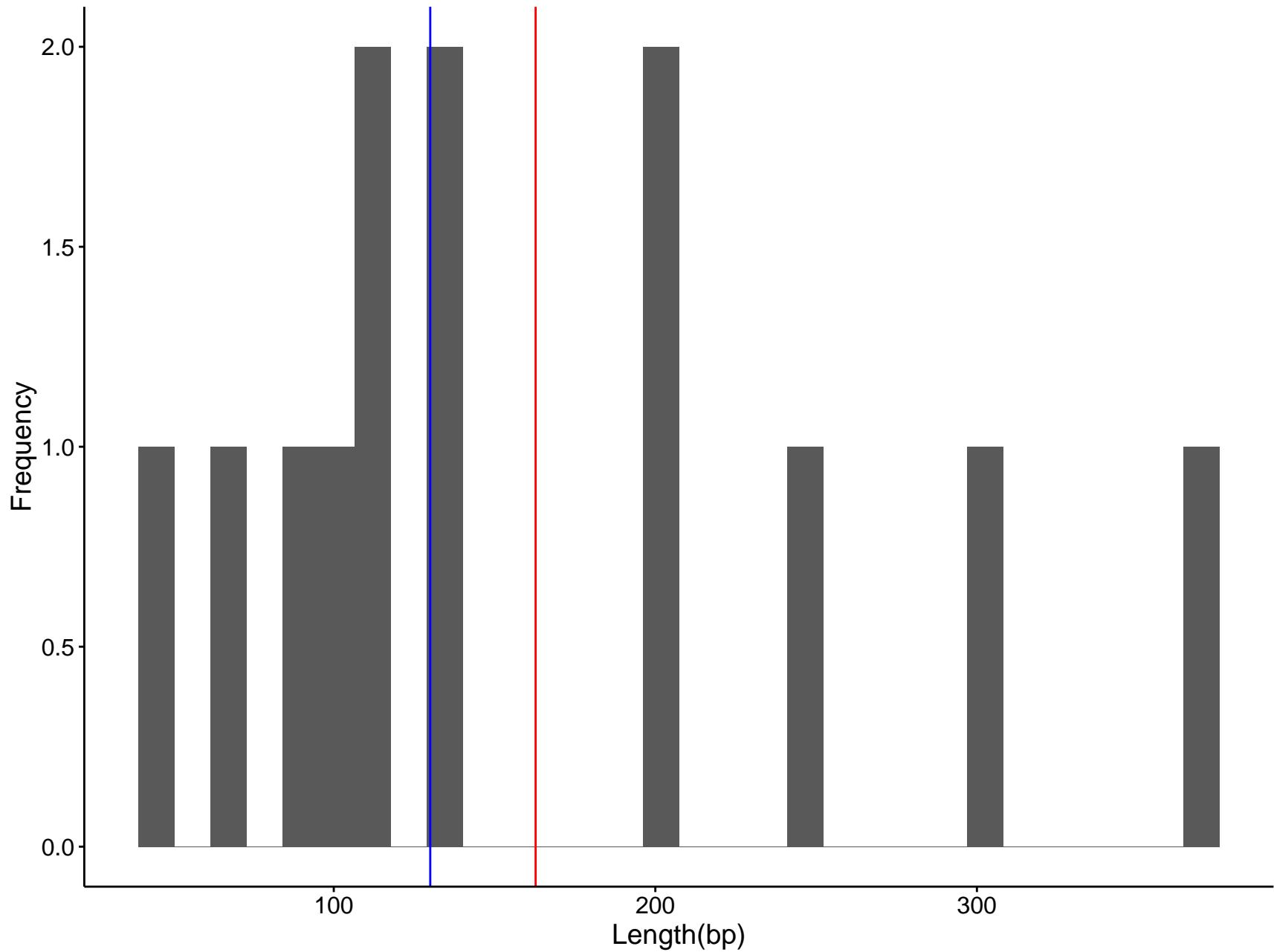
Cluster1109



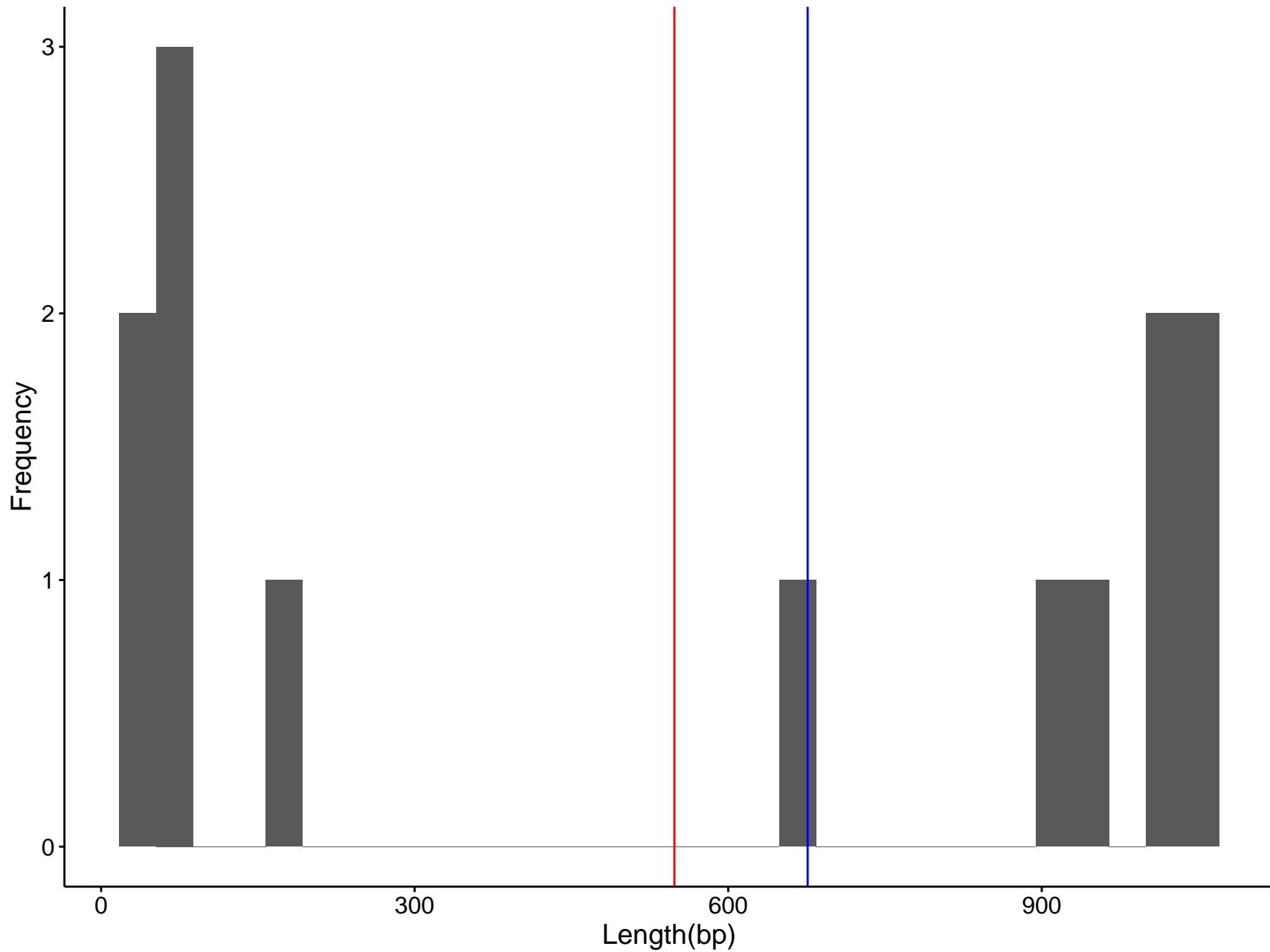
Cluster110



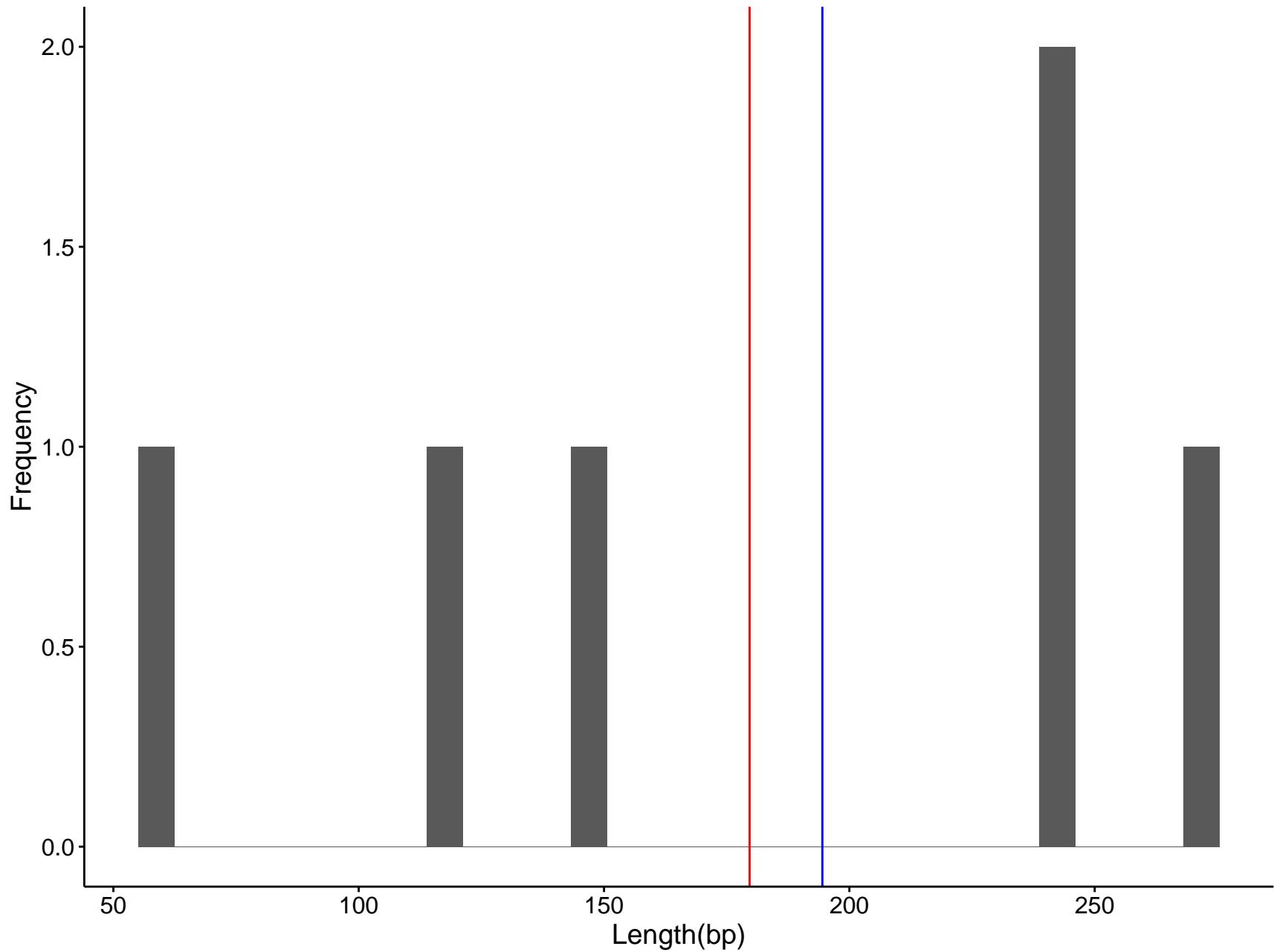
Cluster1110



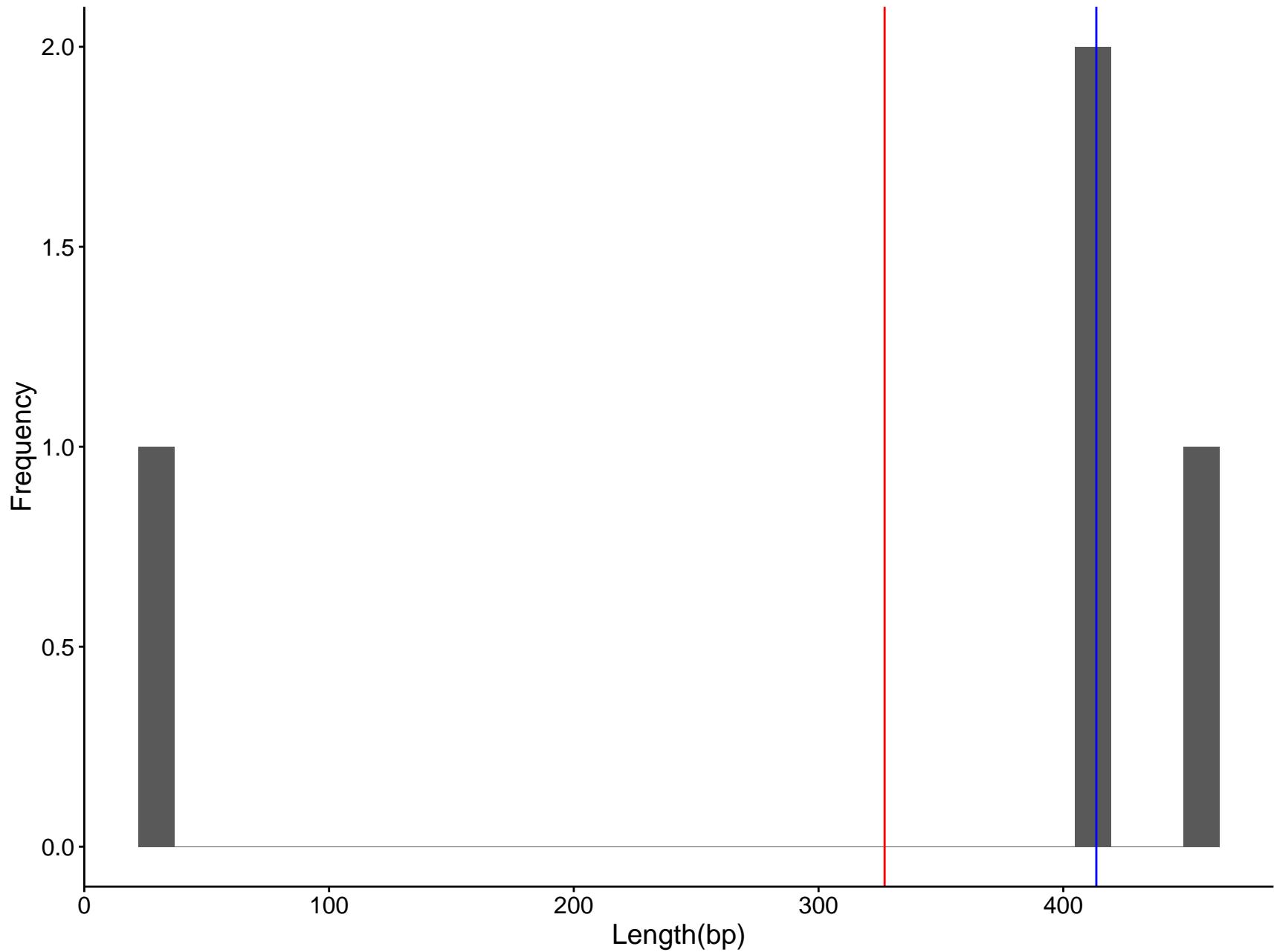
Cluster1111



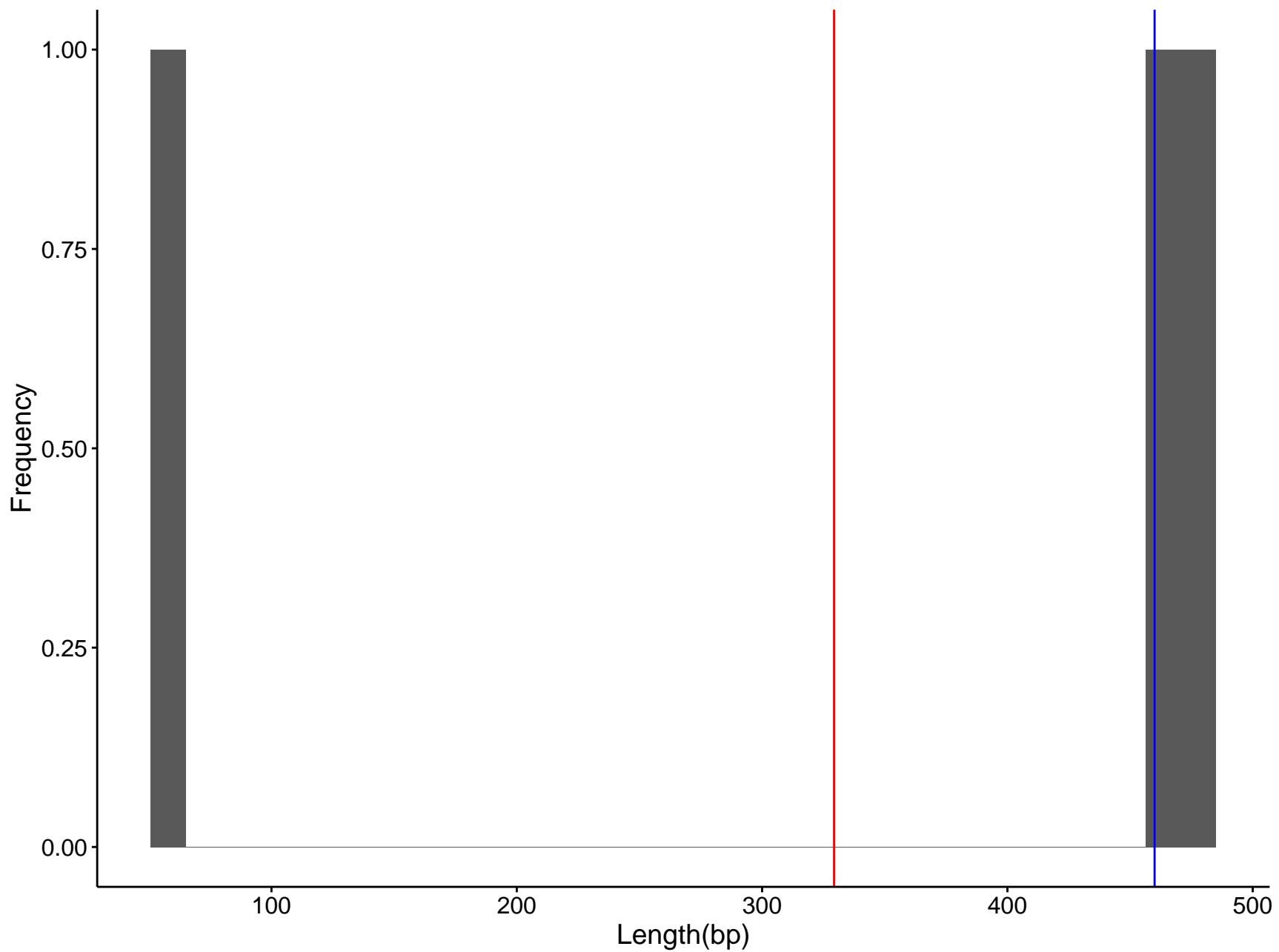
Cluster1112



Cluster1113



Cluster1114



Cluster1115

Frequency

231.950

231.975

232.000

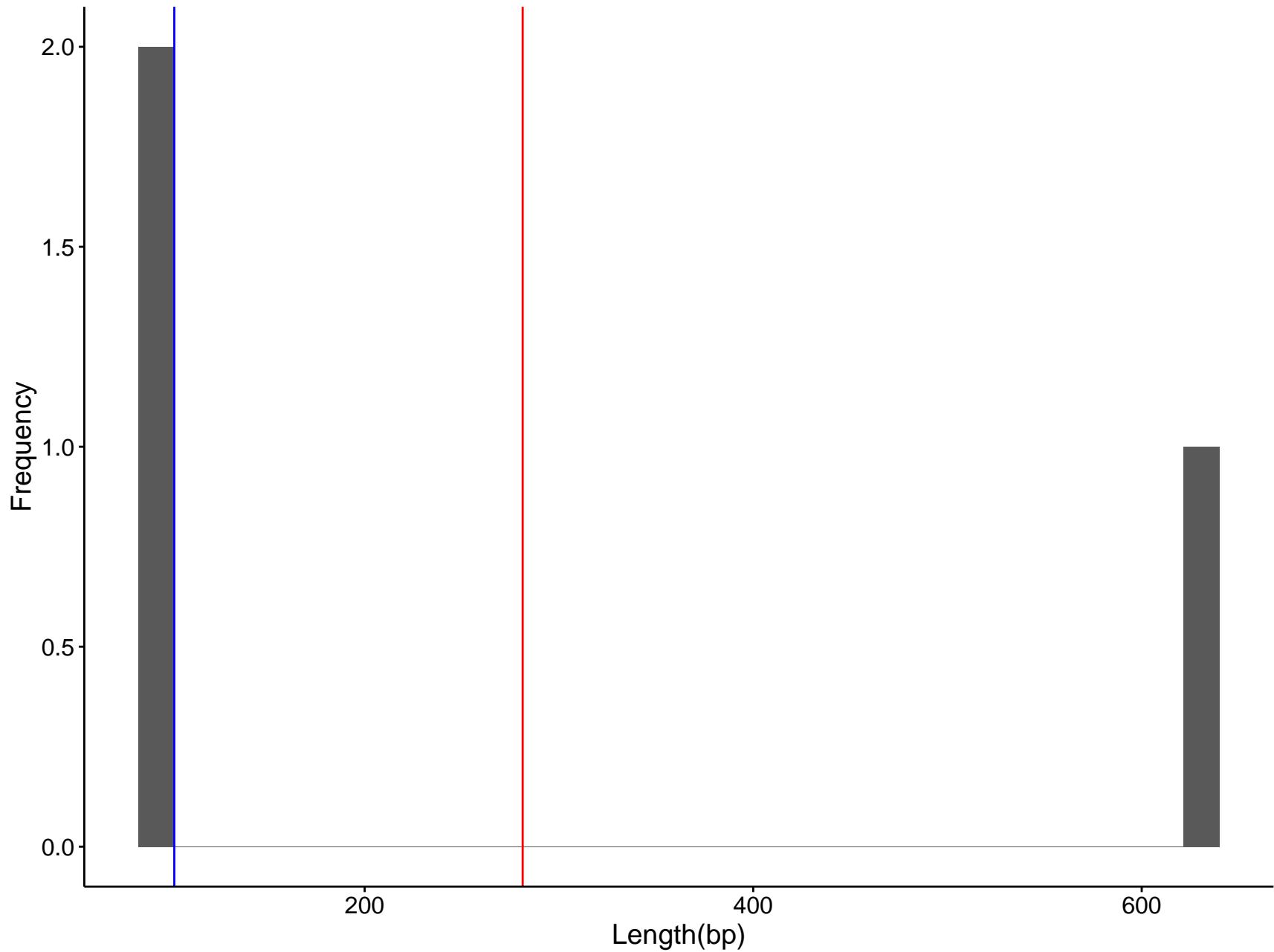
232.025

232.050

Length(bp)



Cluster1116



Cluster1118

Frequency

405.950

405.975

406.000

406.025

Length(bp)



Cluster1119

Frequency

31.950

31.975

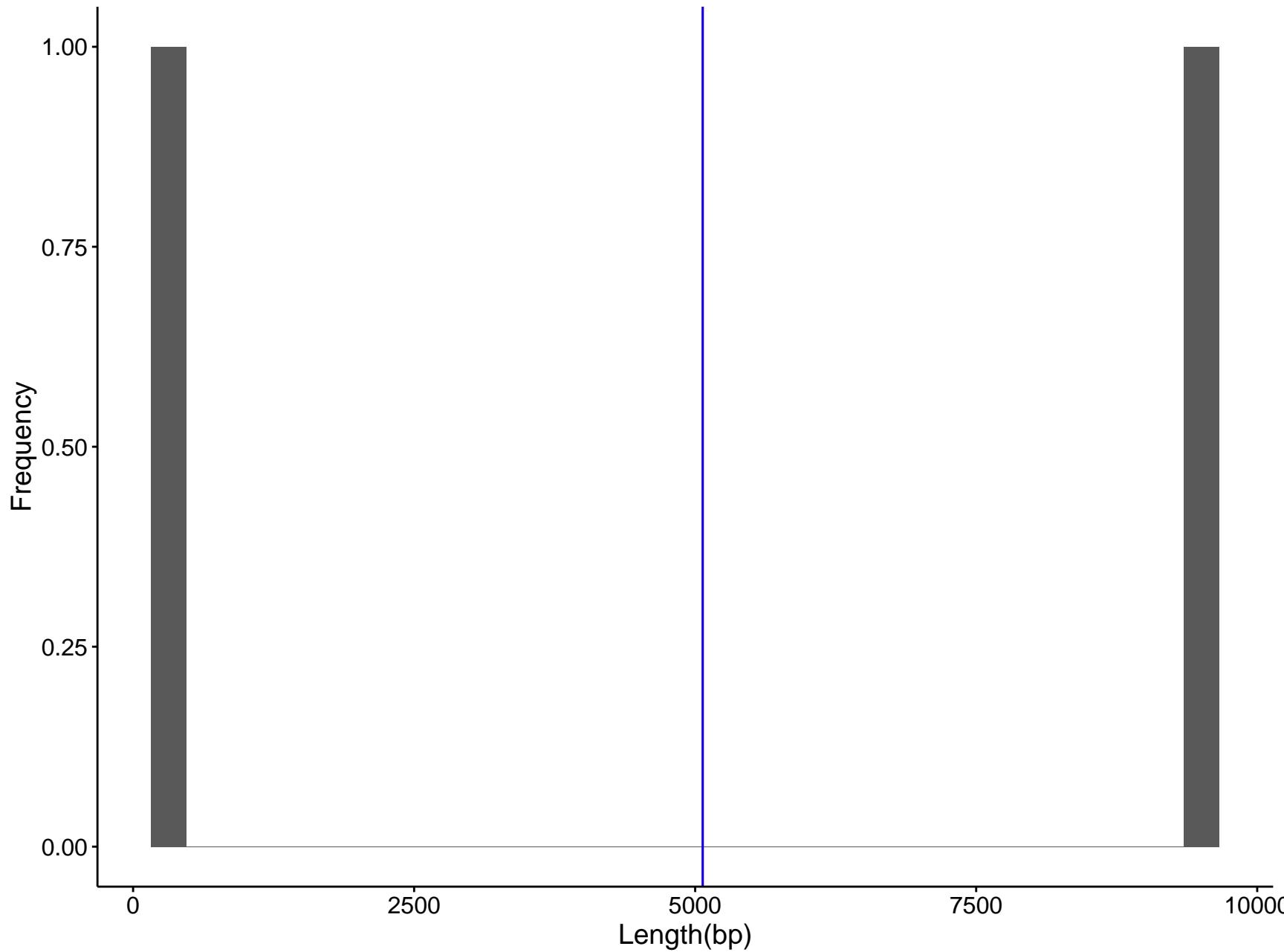
32.000

32.025

Length(bp)



Cluster111



Cluster1120

Frequency

759.950

759.975

760.000

760.025

Length(bp)



Cluster1123

Frequency

401.950

401.975

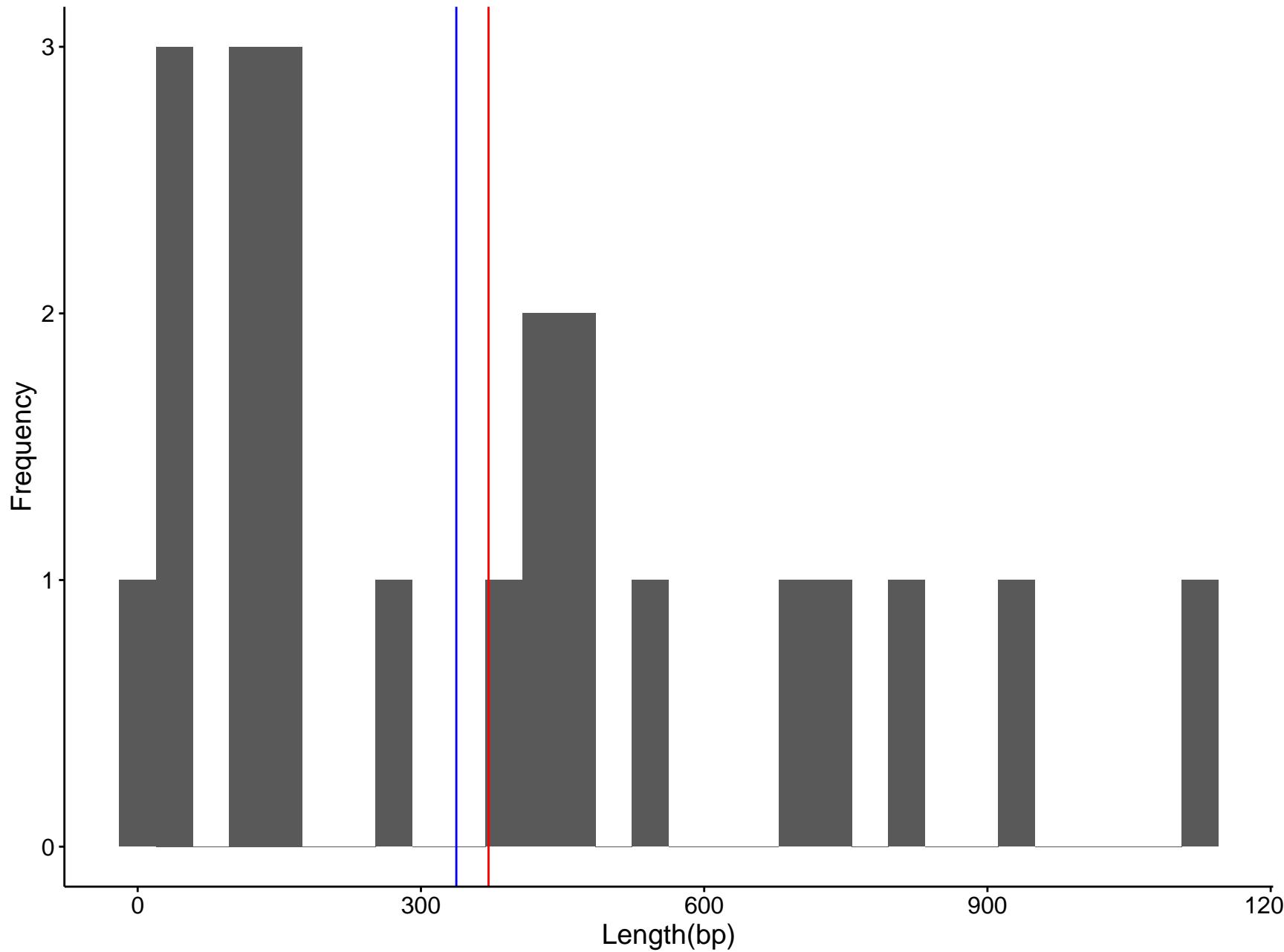
402.000

402.025

Length(bp)



Cluster1126



# Cluster1127

Frequency

163.950

163.975

164.000

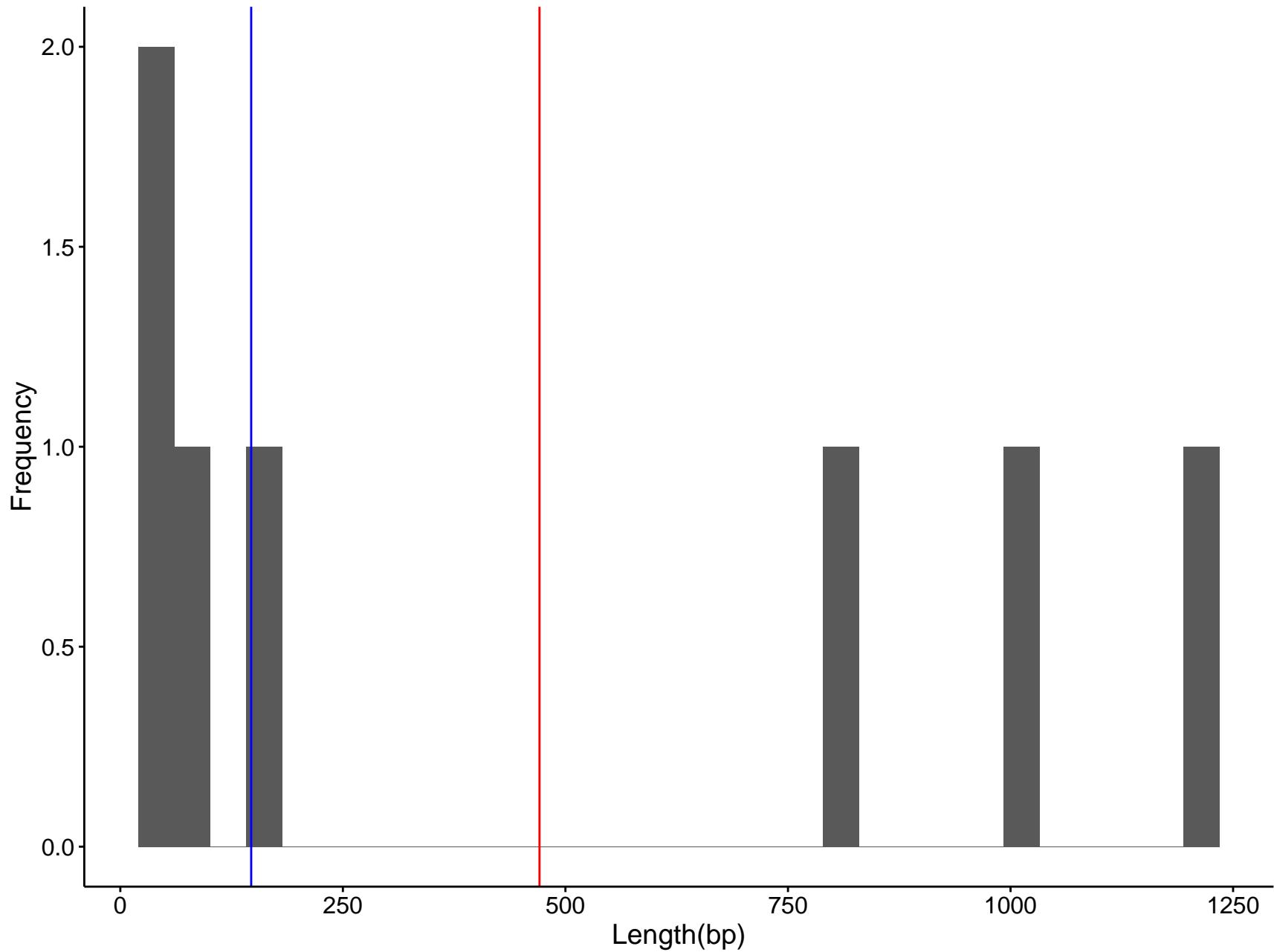
164.025

164.050

Length(bp)



Cluster1128



# Cluster1129

Frequency

271.950

271.975

272.000

272.025

272.050

Length(bp)



Cluster1130

Frequency

76.950

76.975

77.000

77.025

77.0

Length(bp)



Cluster1133

Frequency

103.950

103.975

104.000

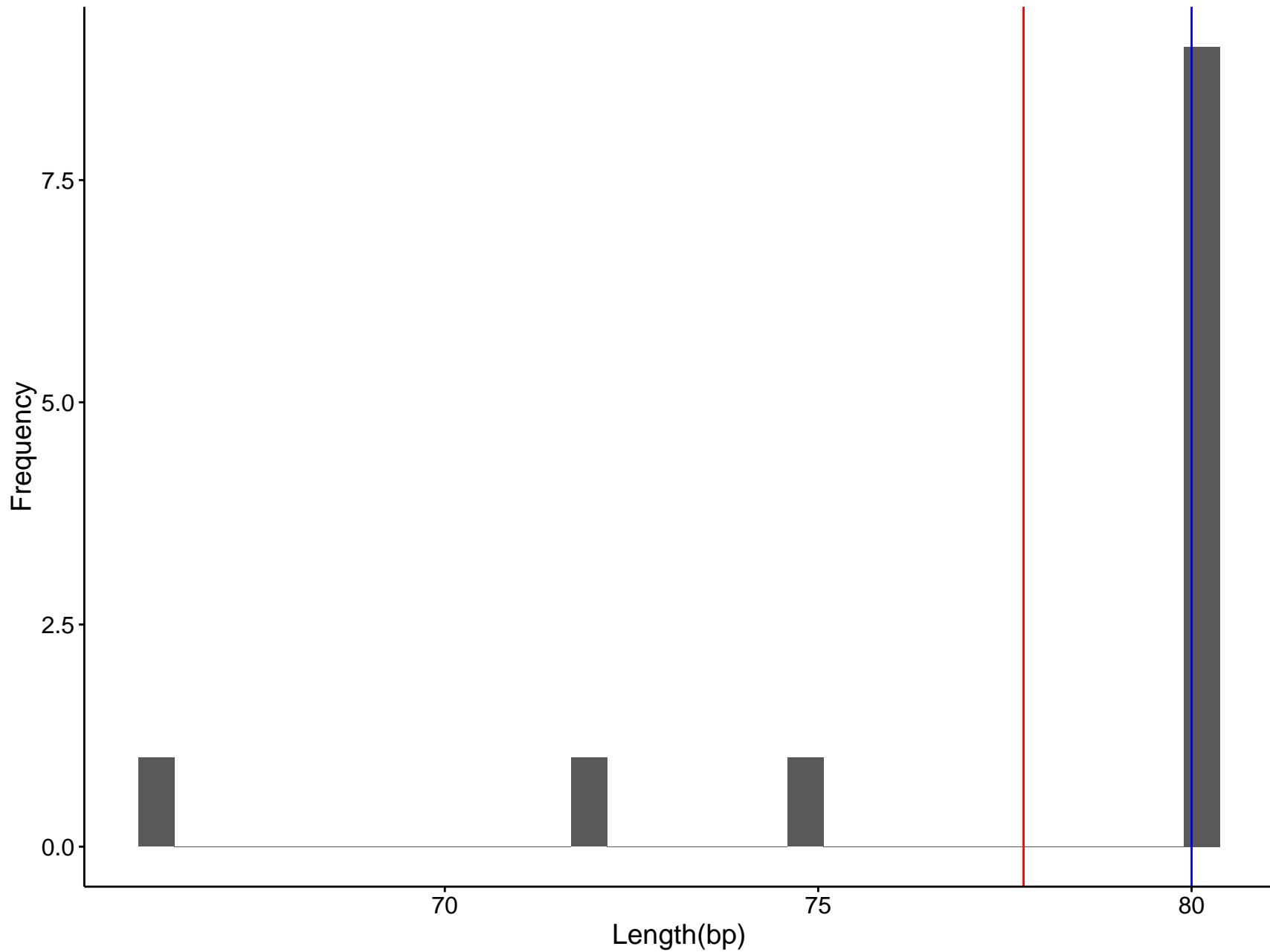
104.025

104.050

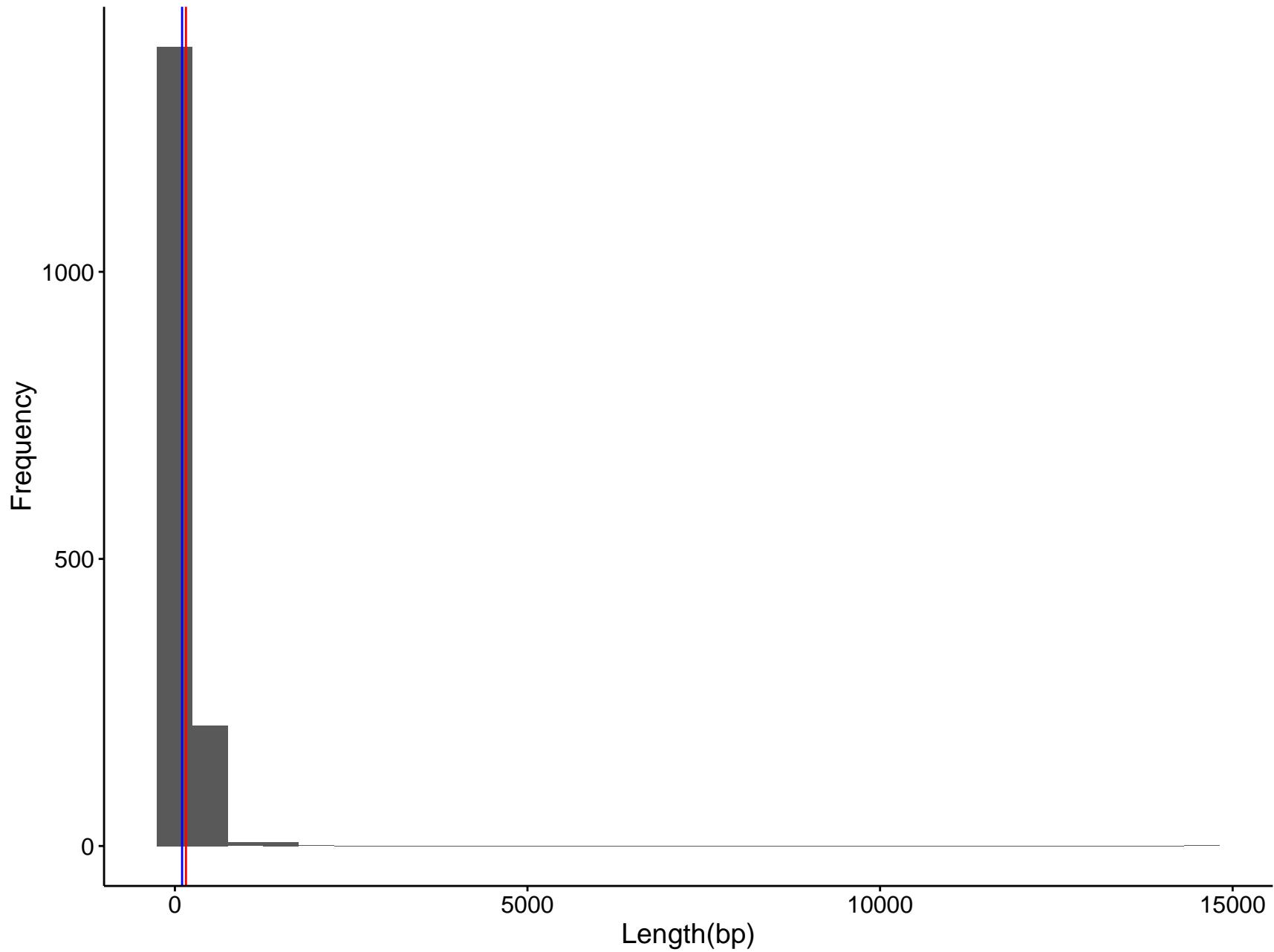
Length(bp)



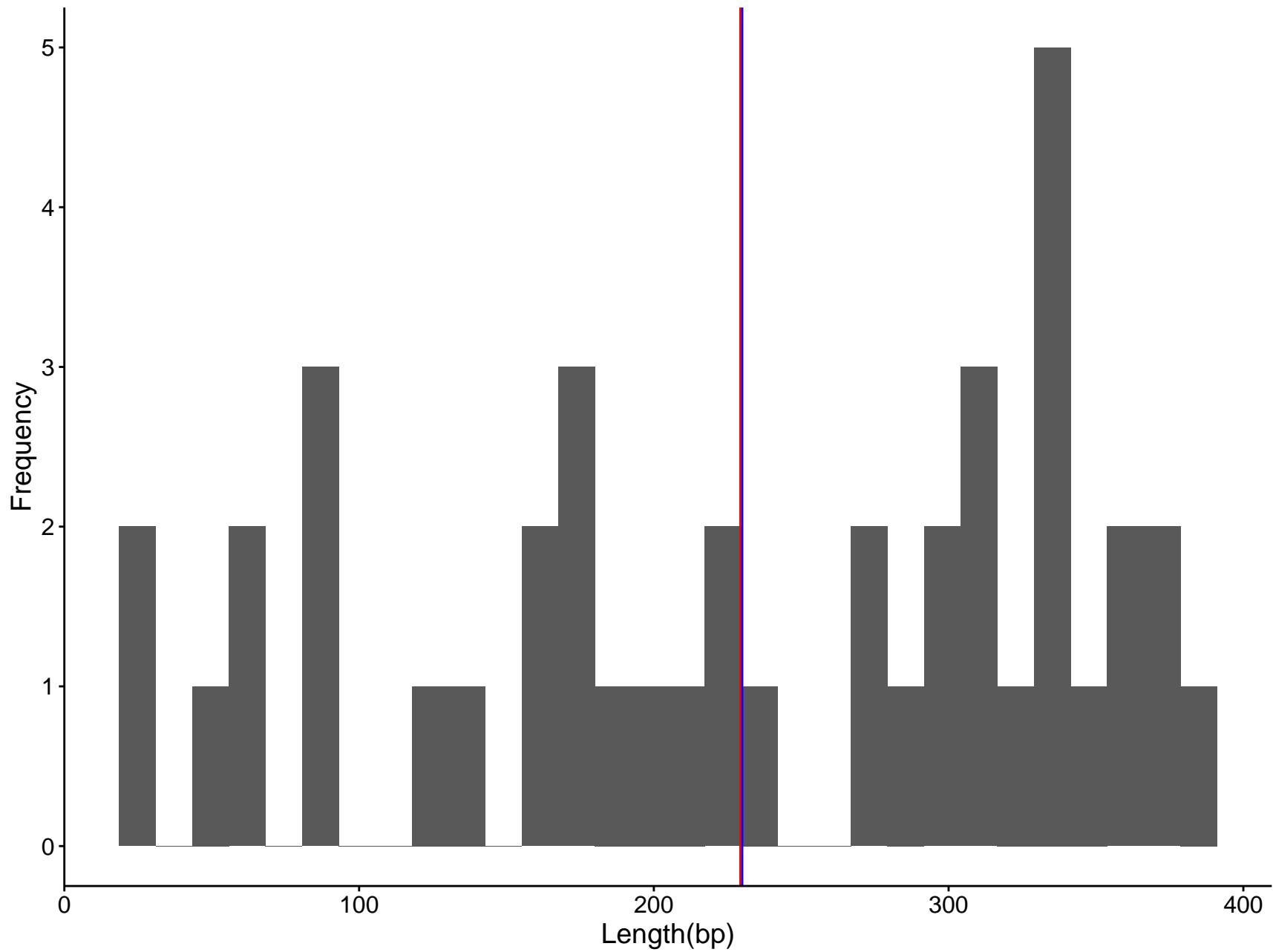
Cluster1138



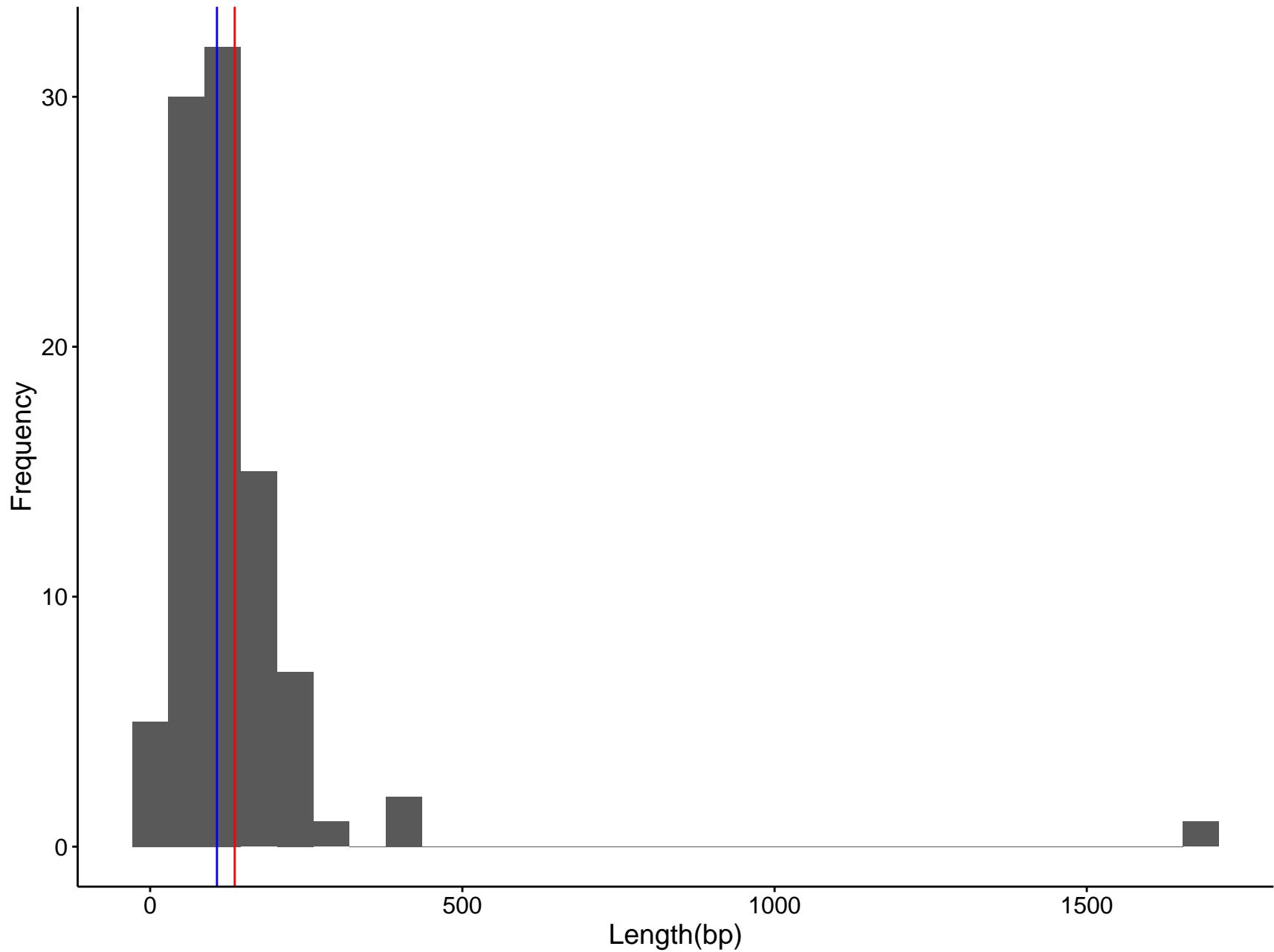
Cluster113



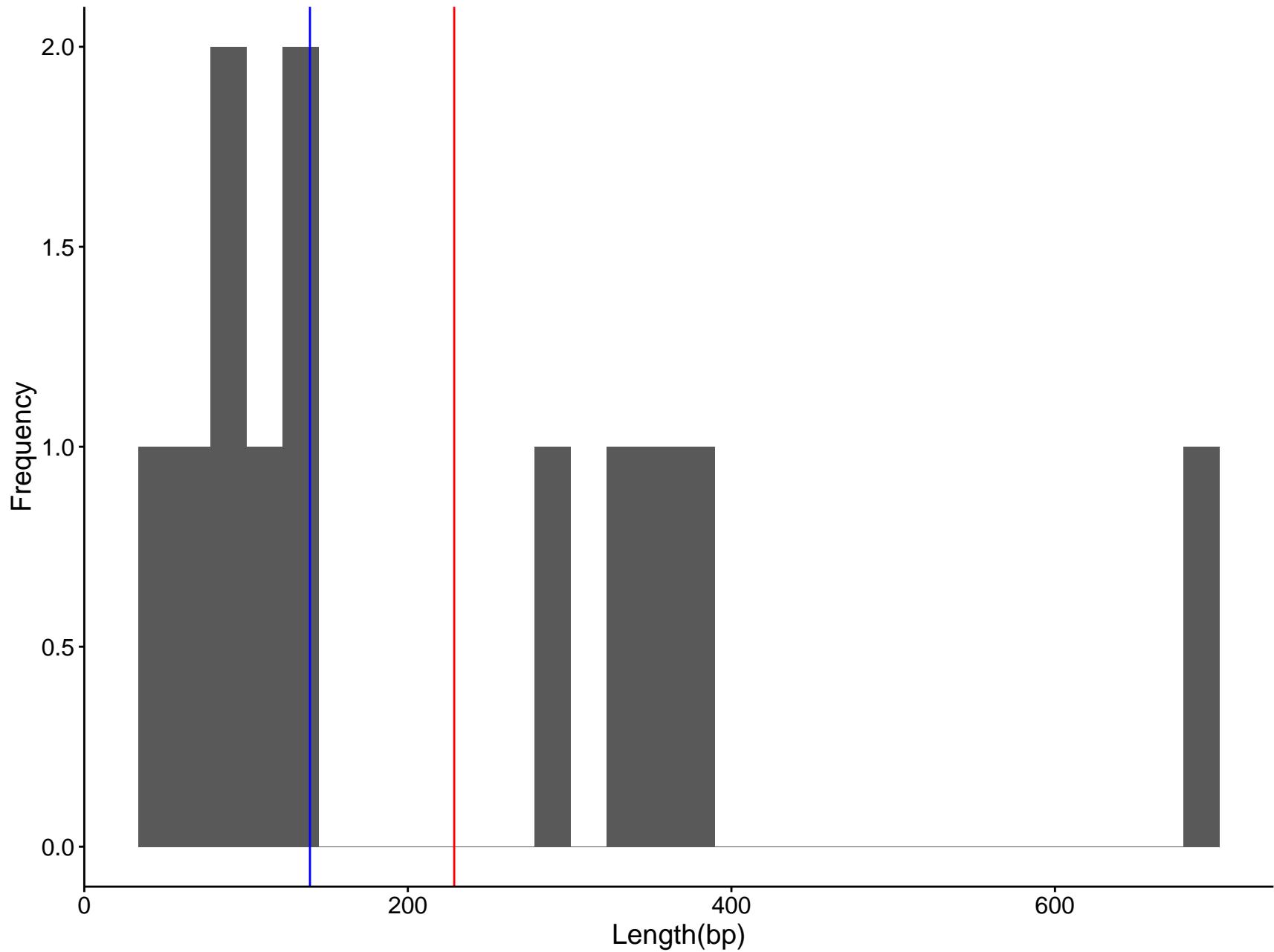
Cluster1146



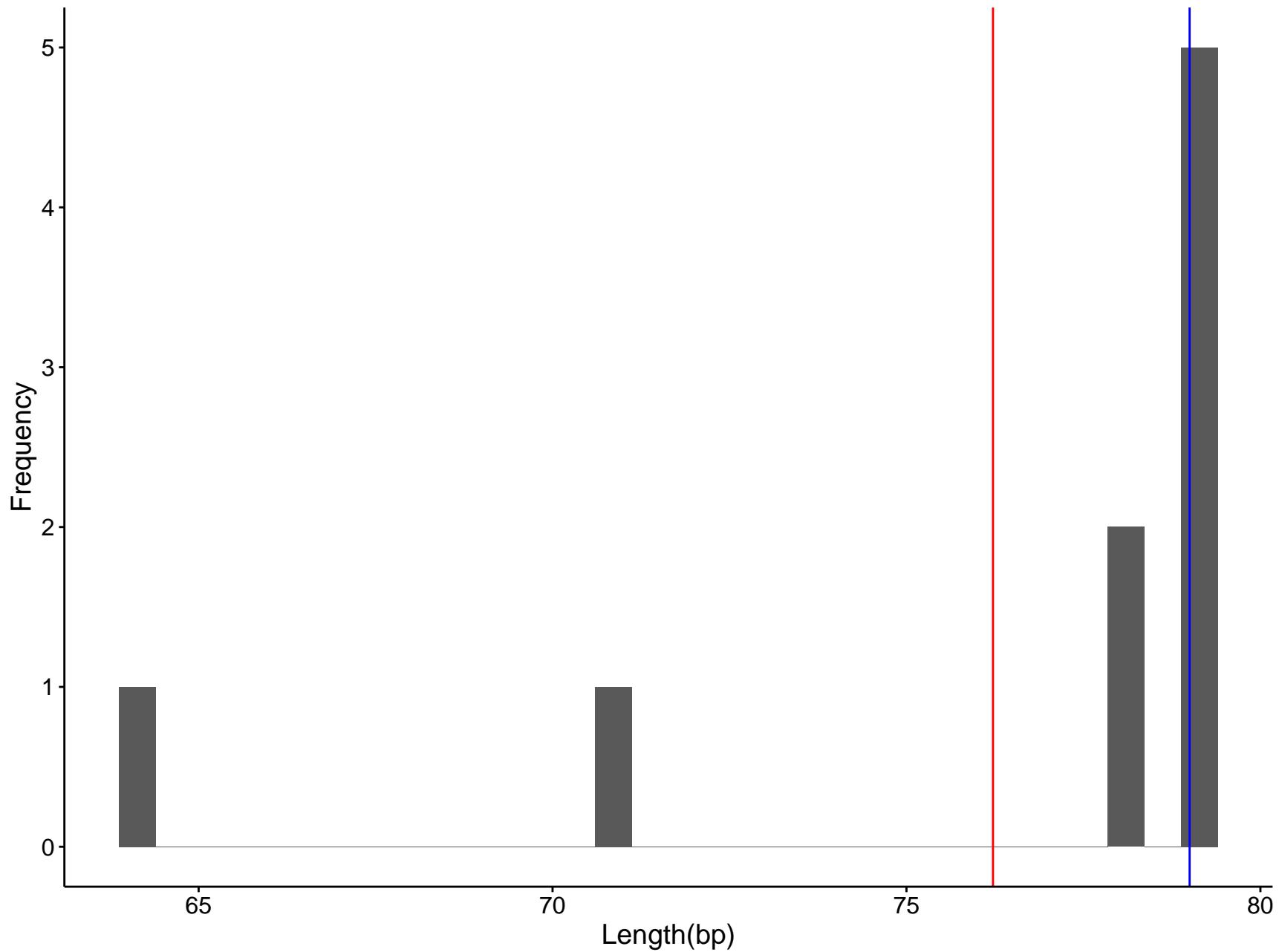
Cluster114



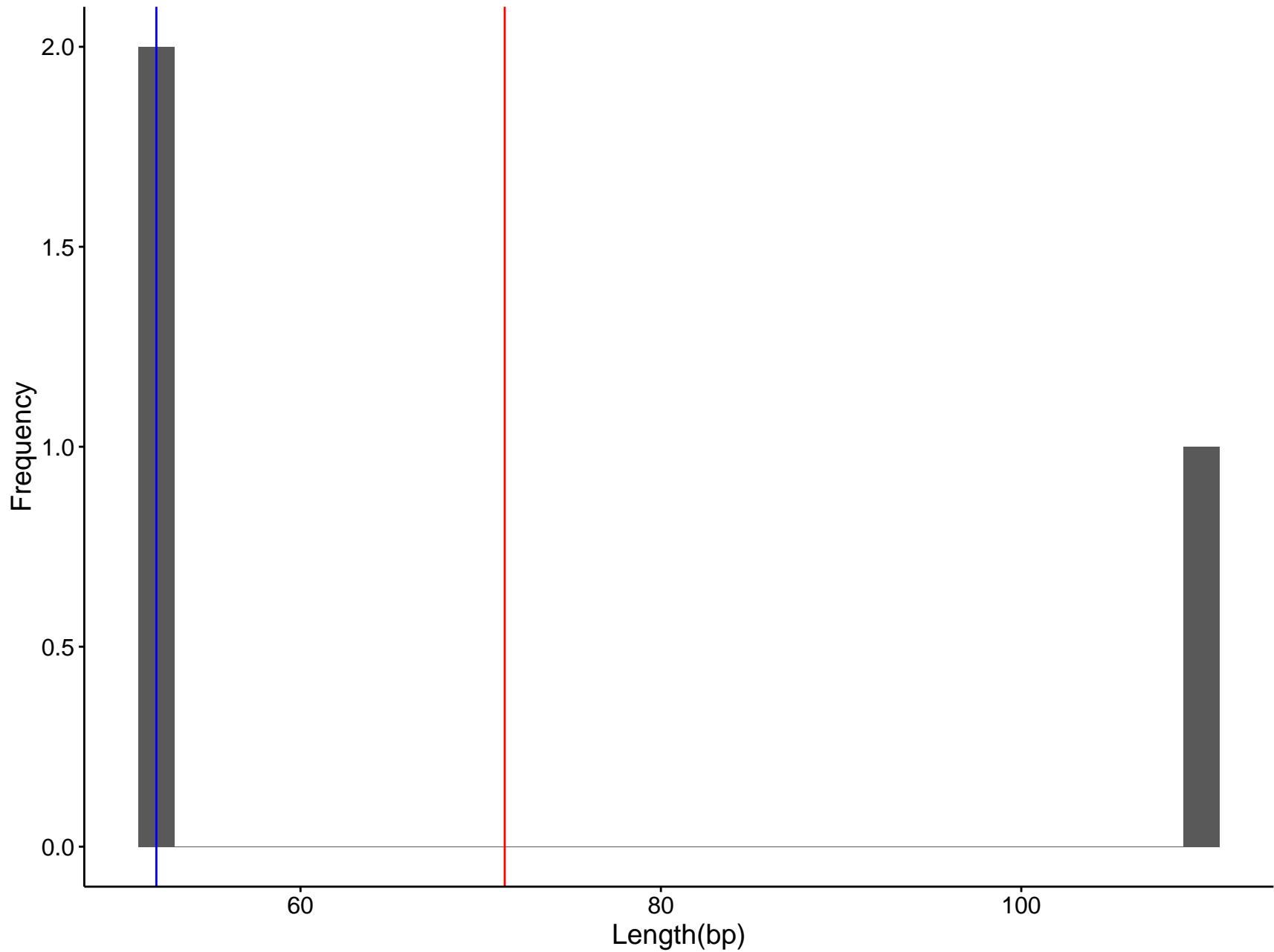
Cluster1150



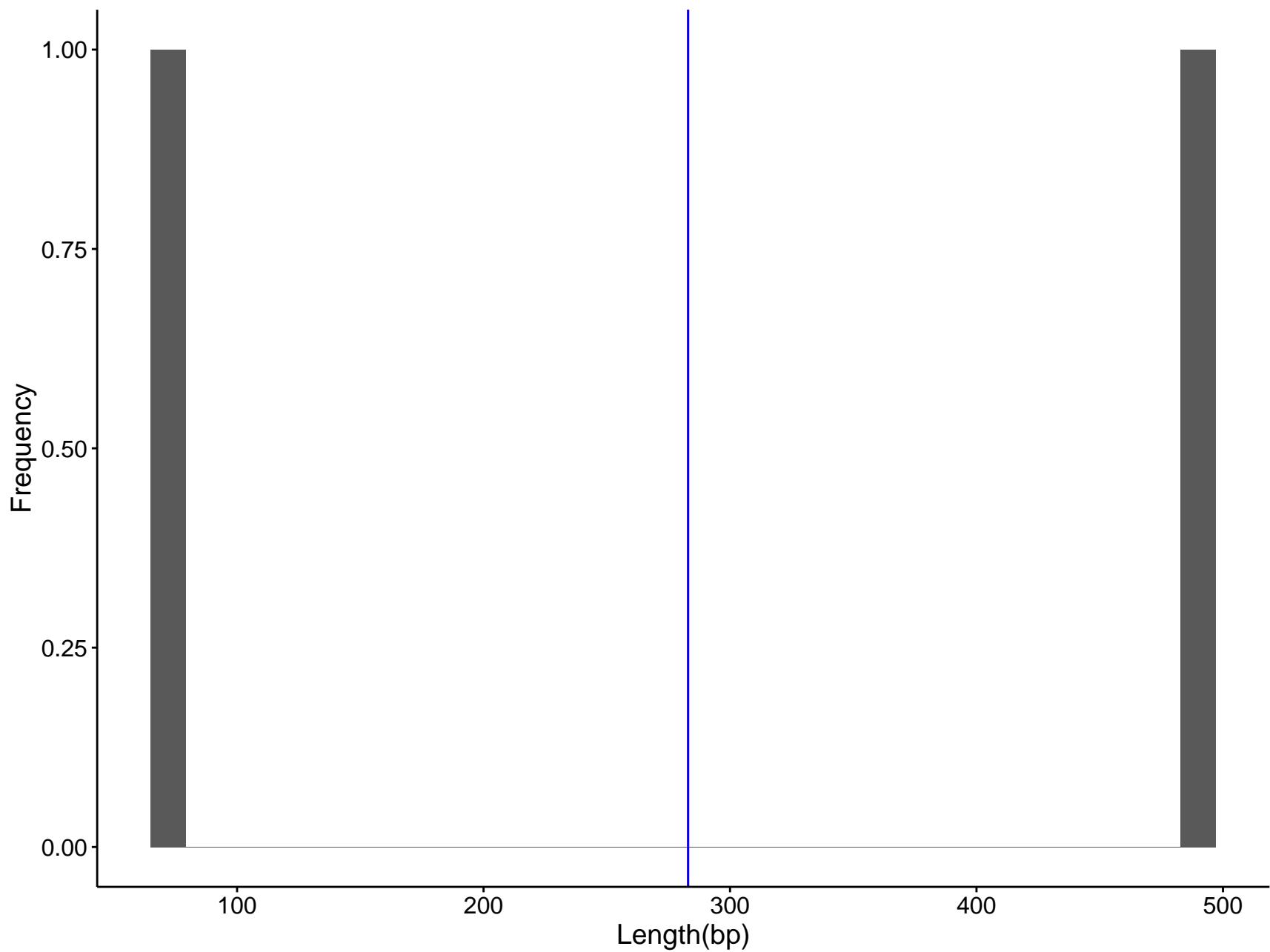
Cluster1153



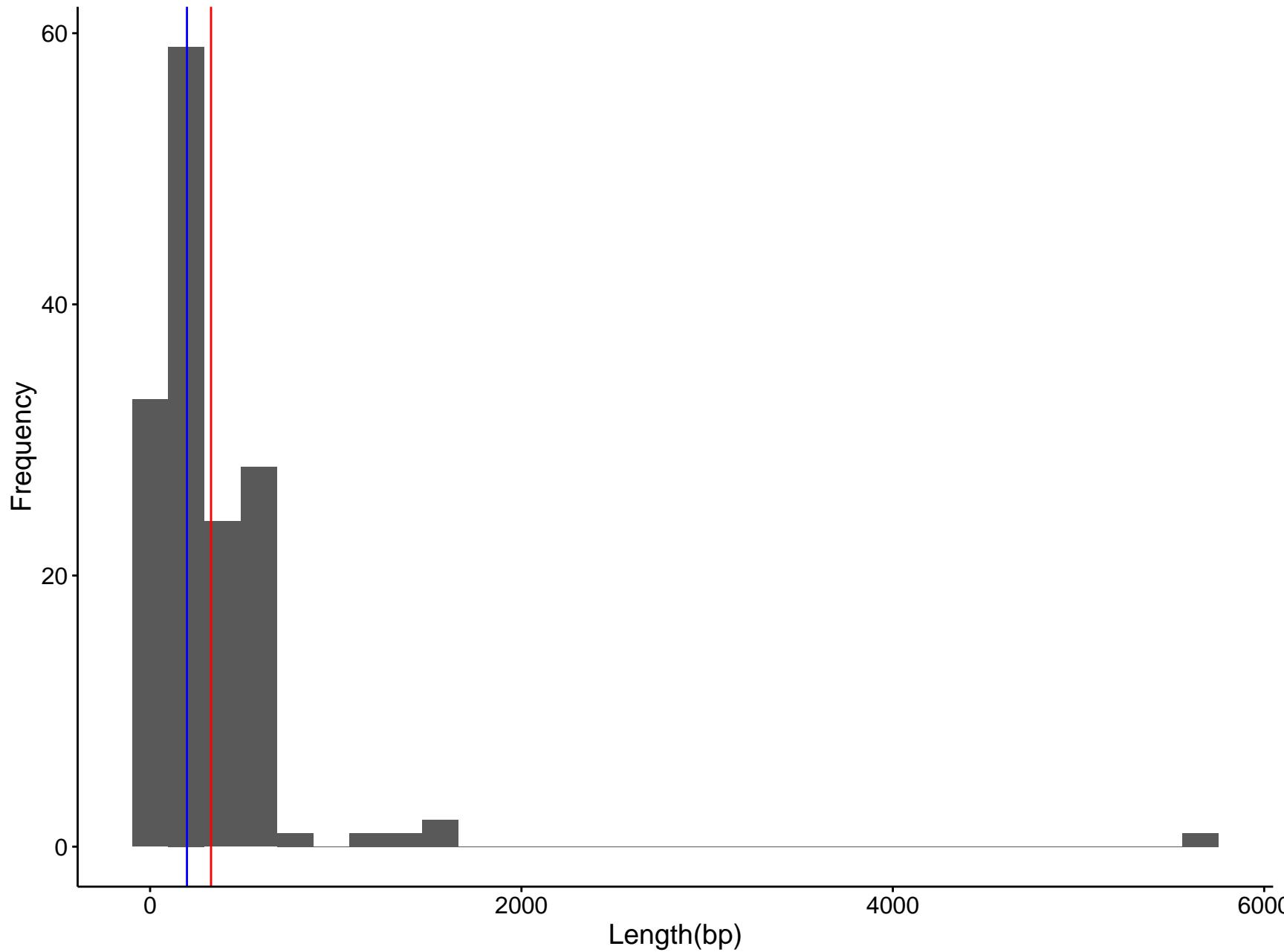
Cluster1154



Cluster1157



Cluster115



# Cluster1160

Frequency

88.950

88.975

89.000

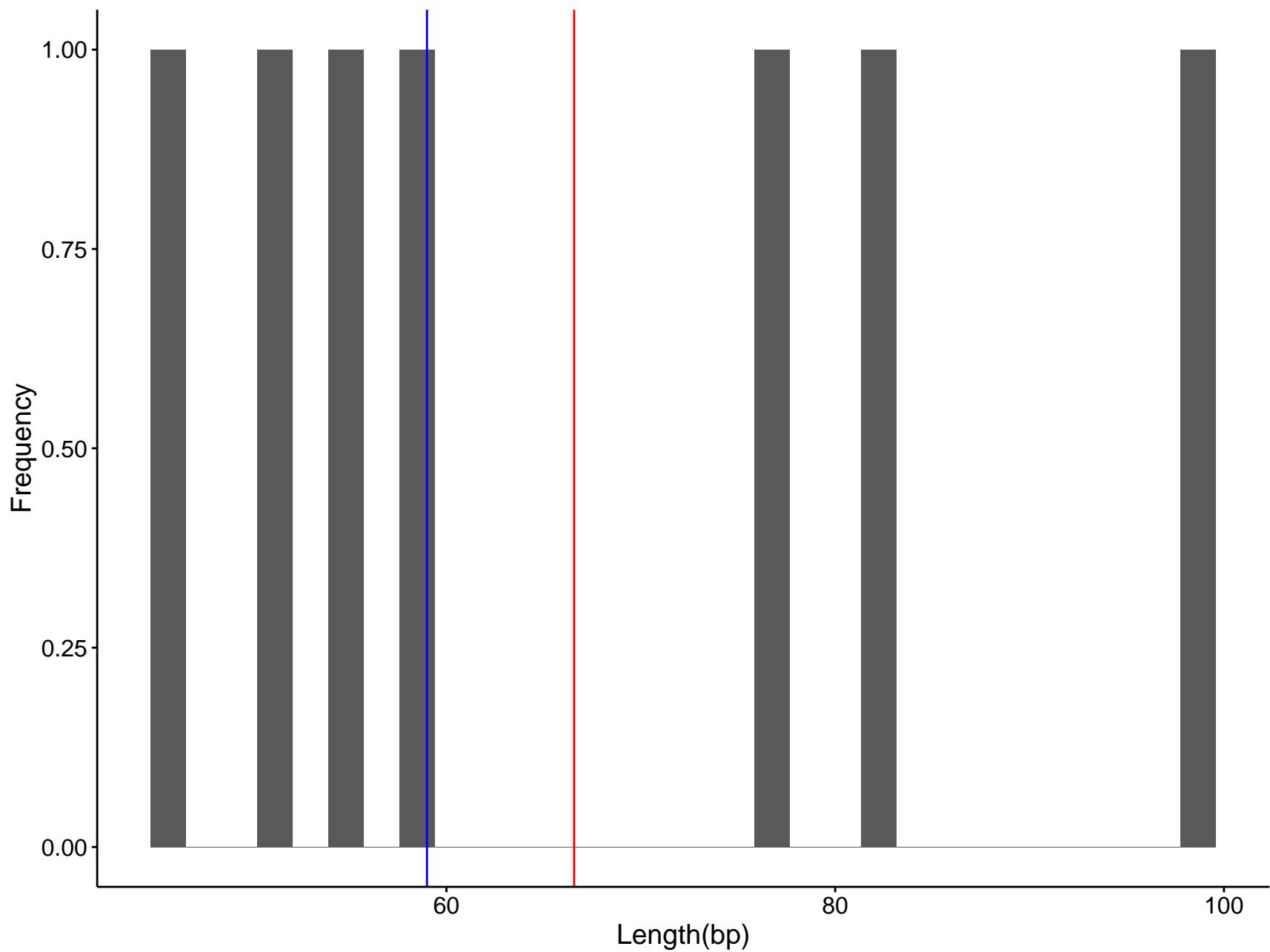
89.025

89.0

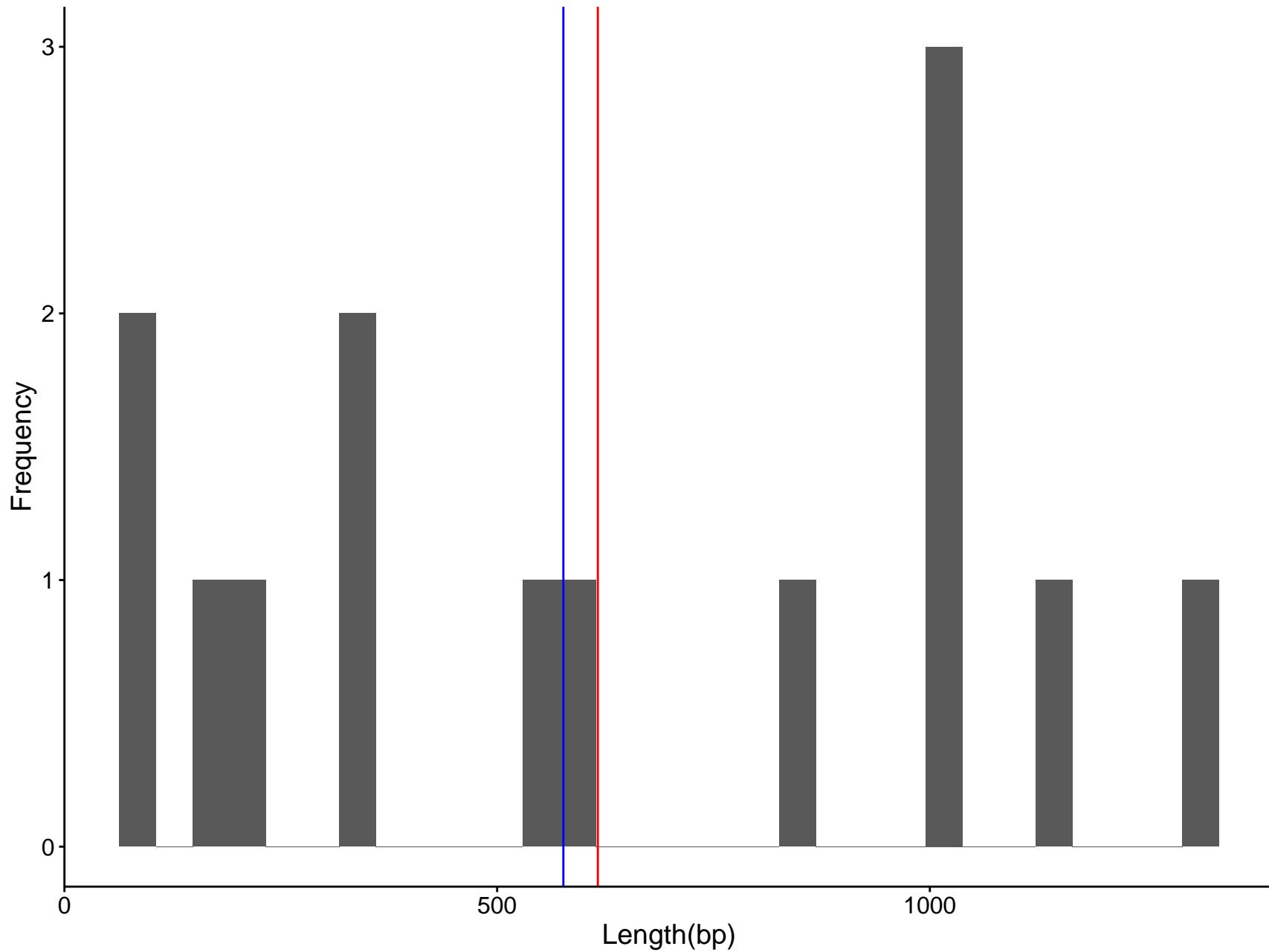
Length(bp)



Cluster1163



Cluster1164



# Cluster1166

Frequency

43.950

43.975

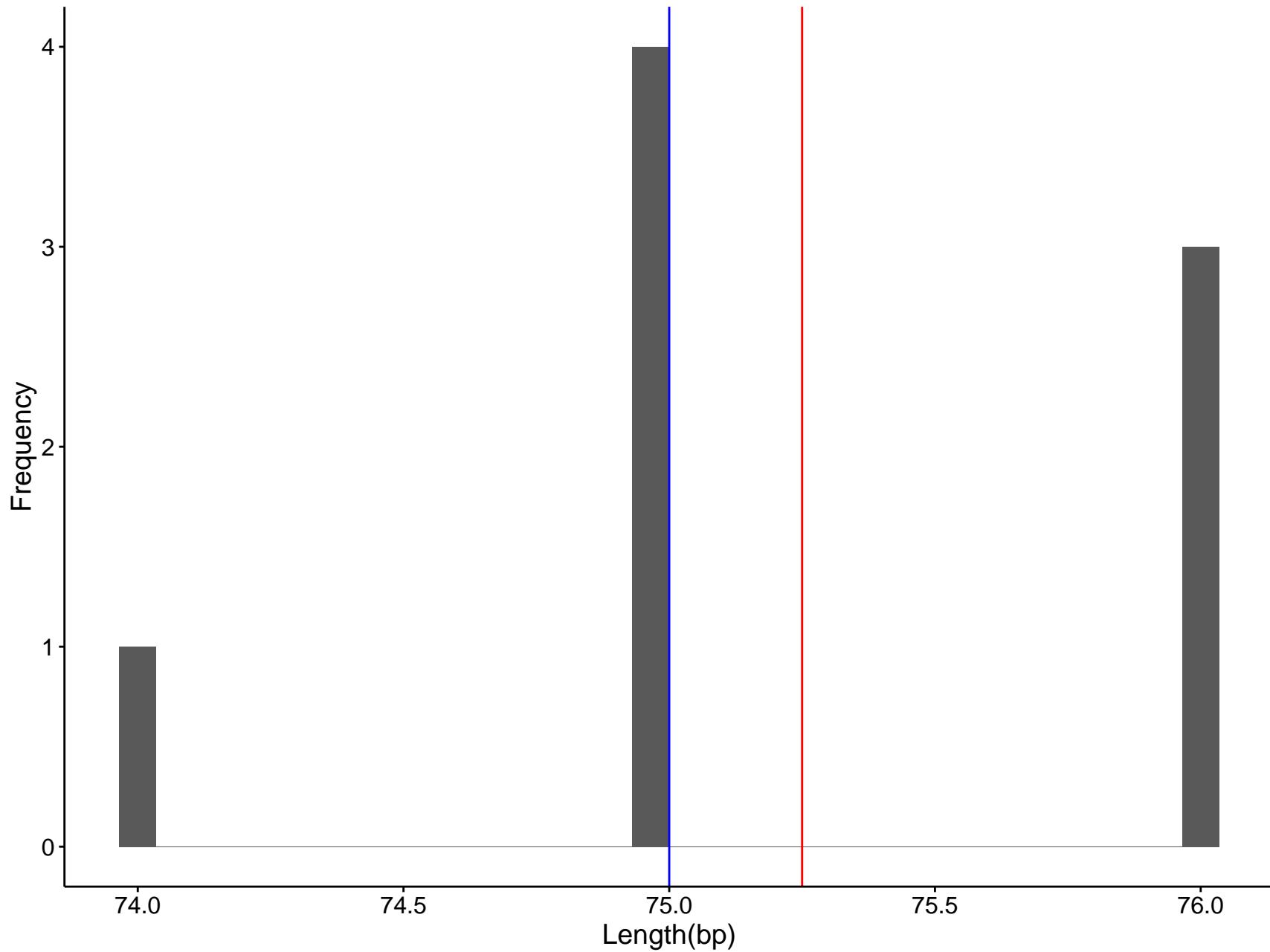
44.000

44.025

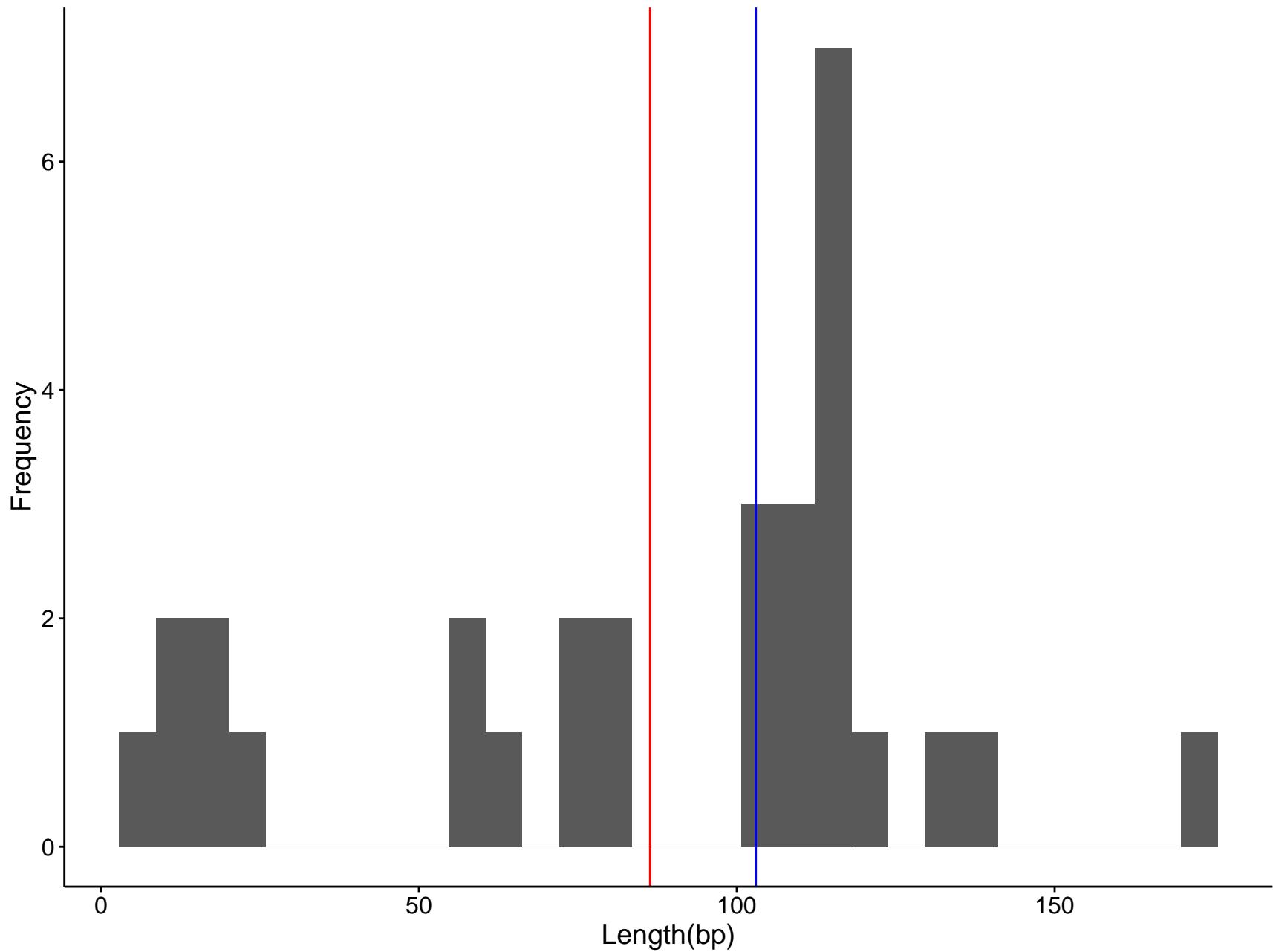
Length(bp)



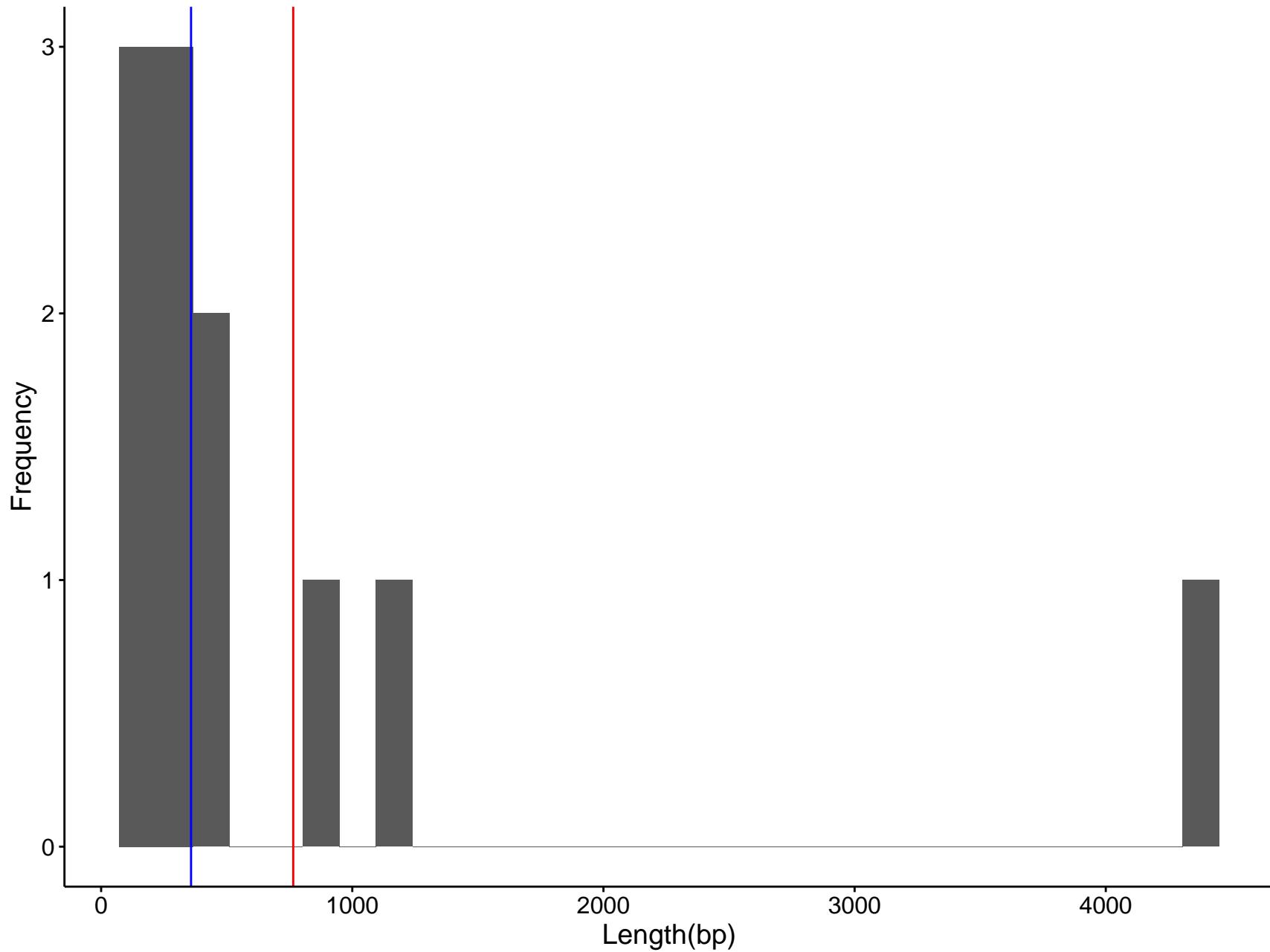
Cluster1167



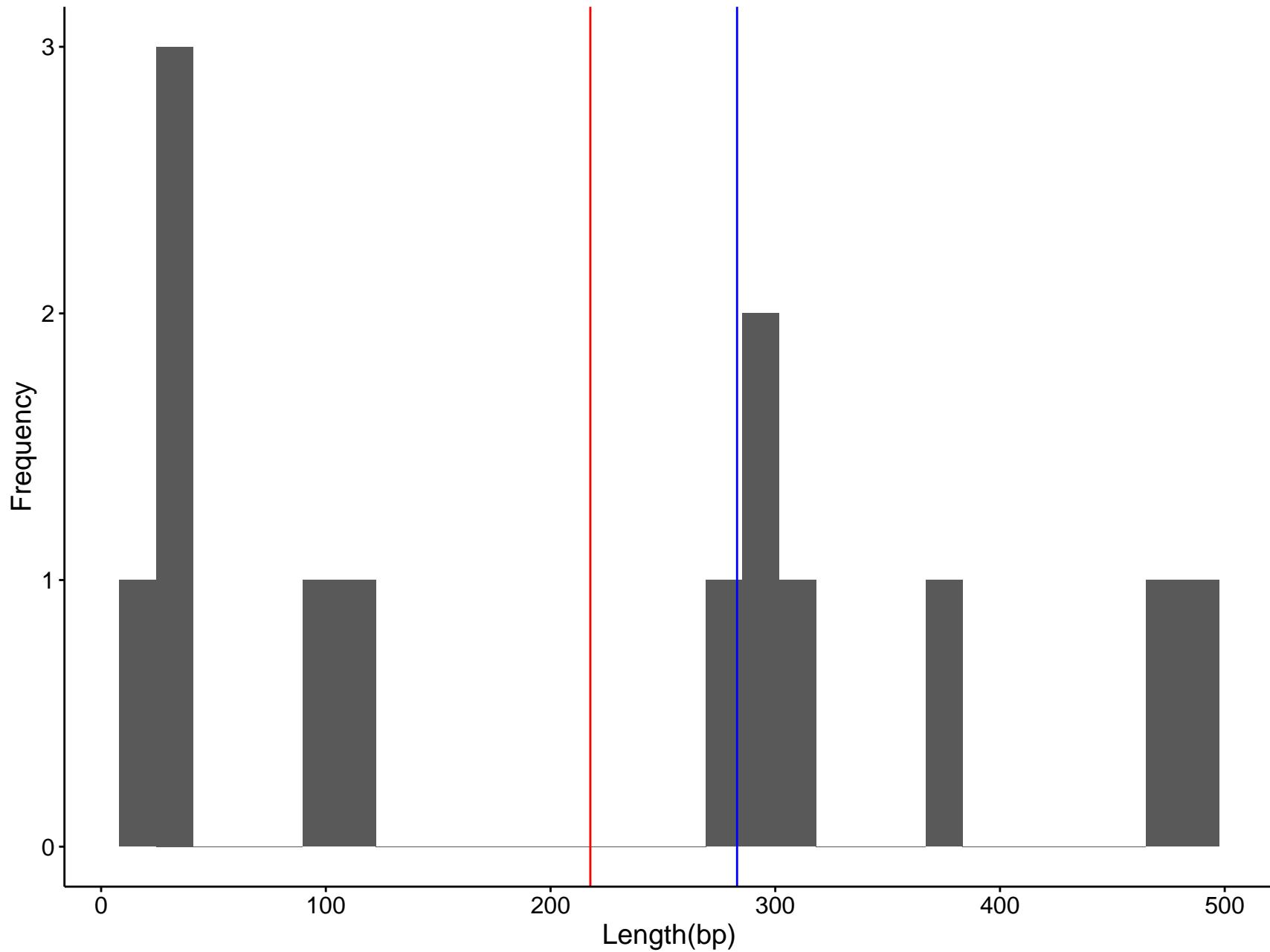
Cluster1169



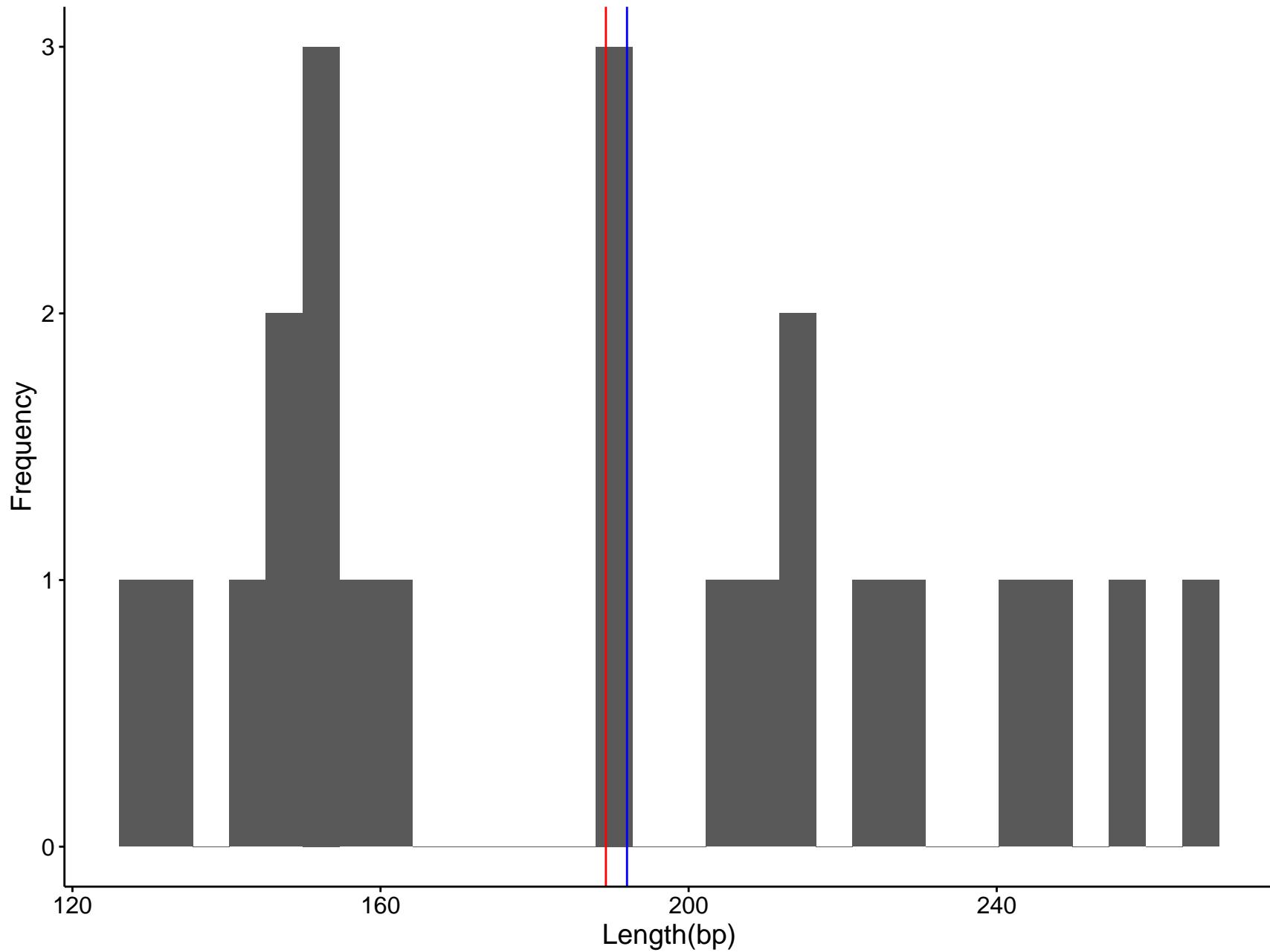
Cluster116



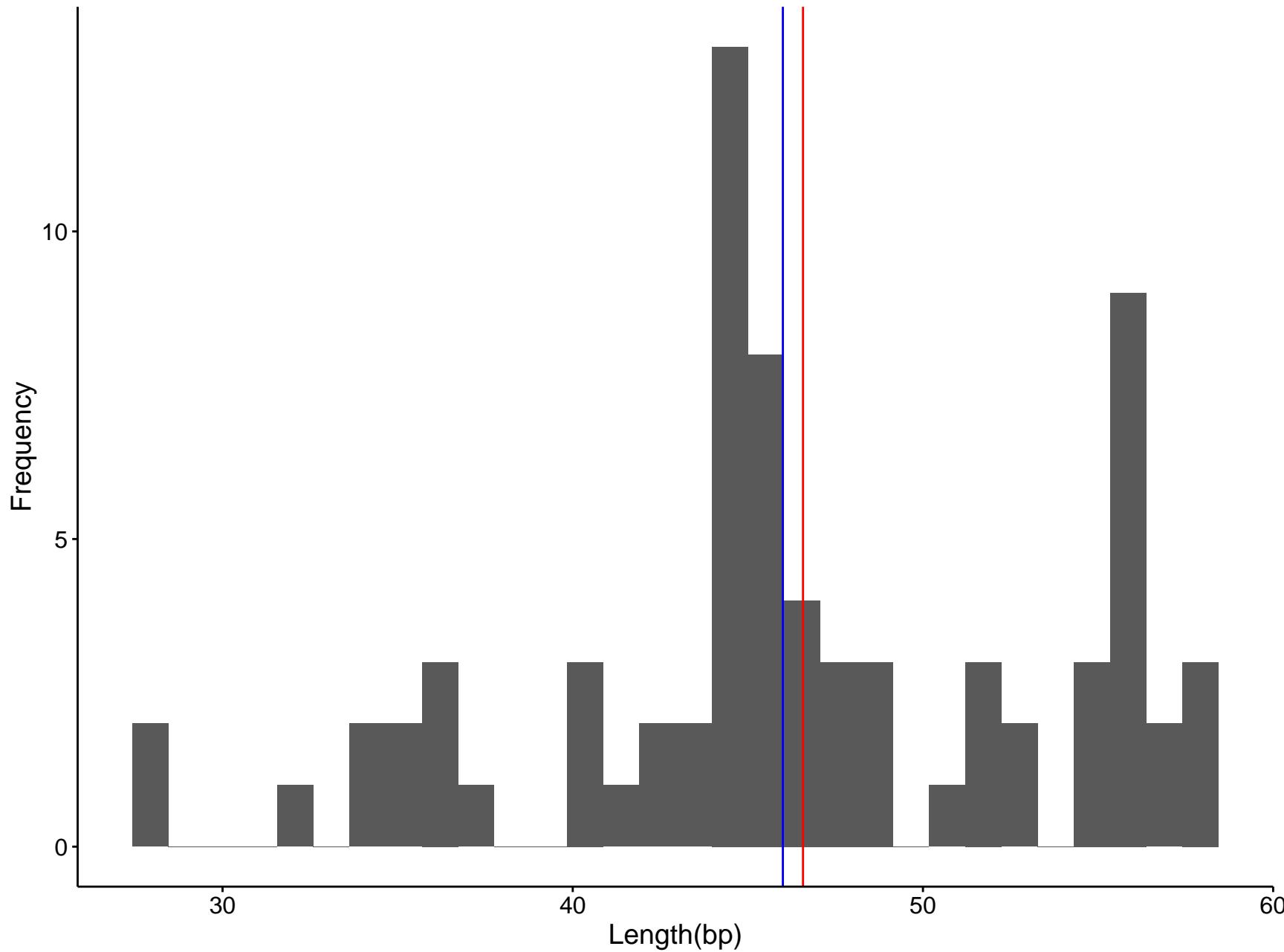
Cluster1170



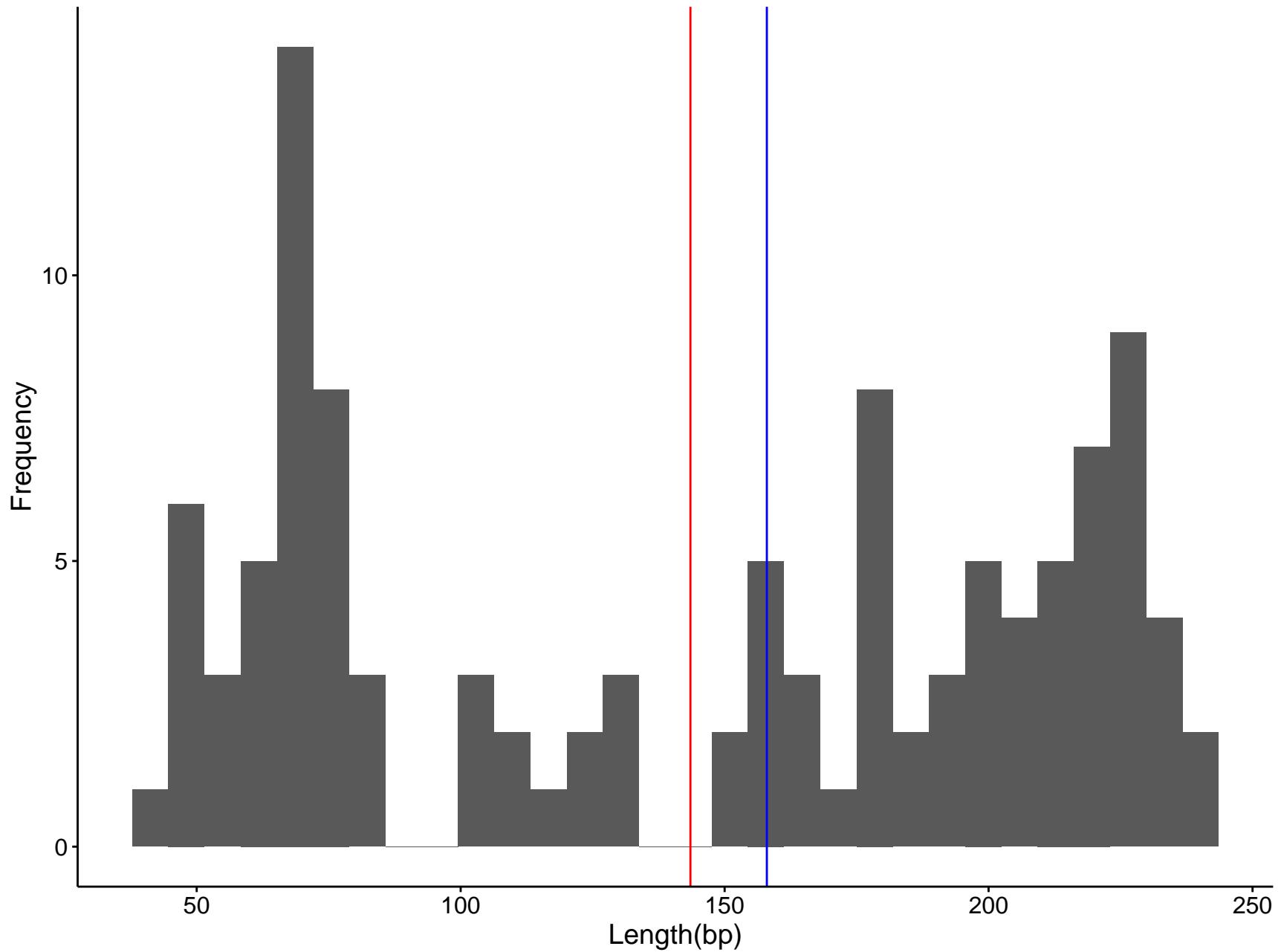
Cluster1171



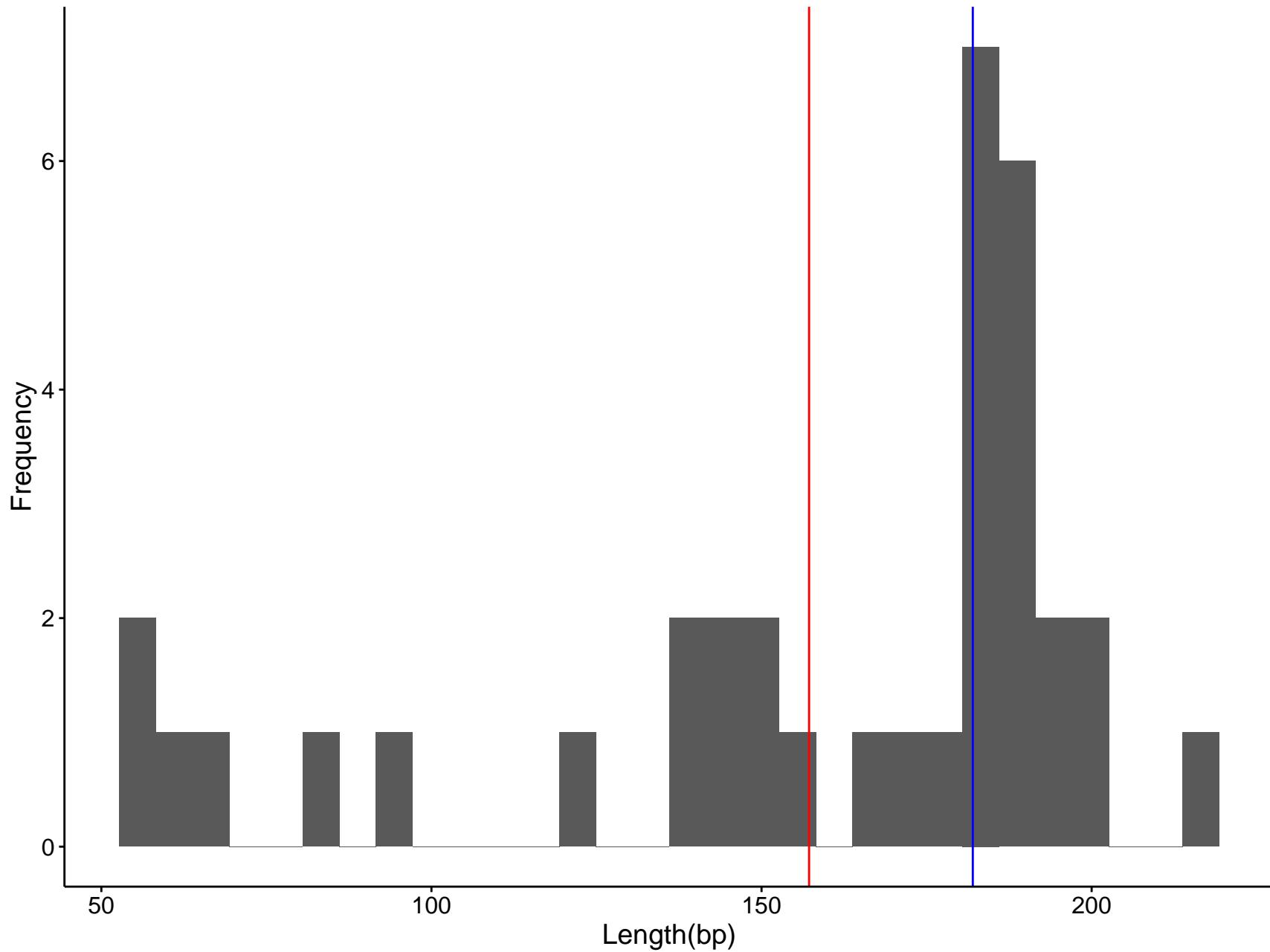
Cluster1172



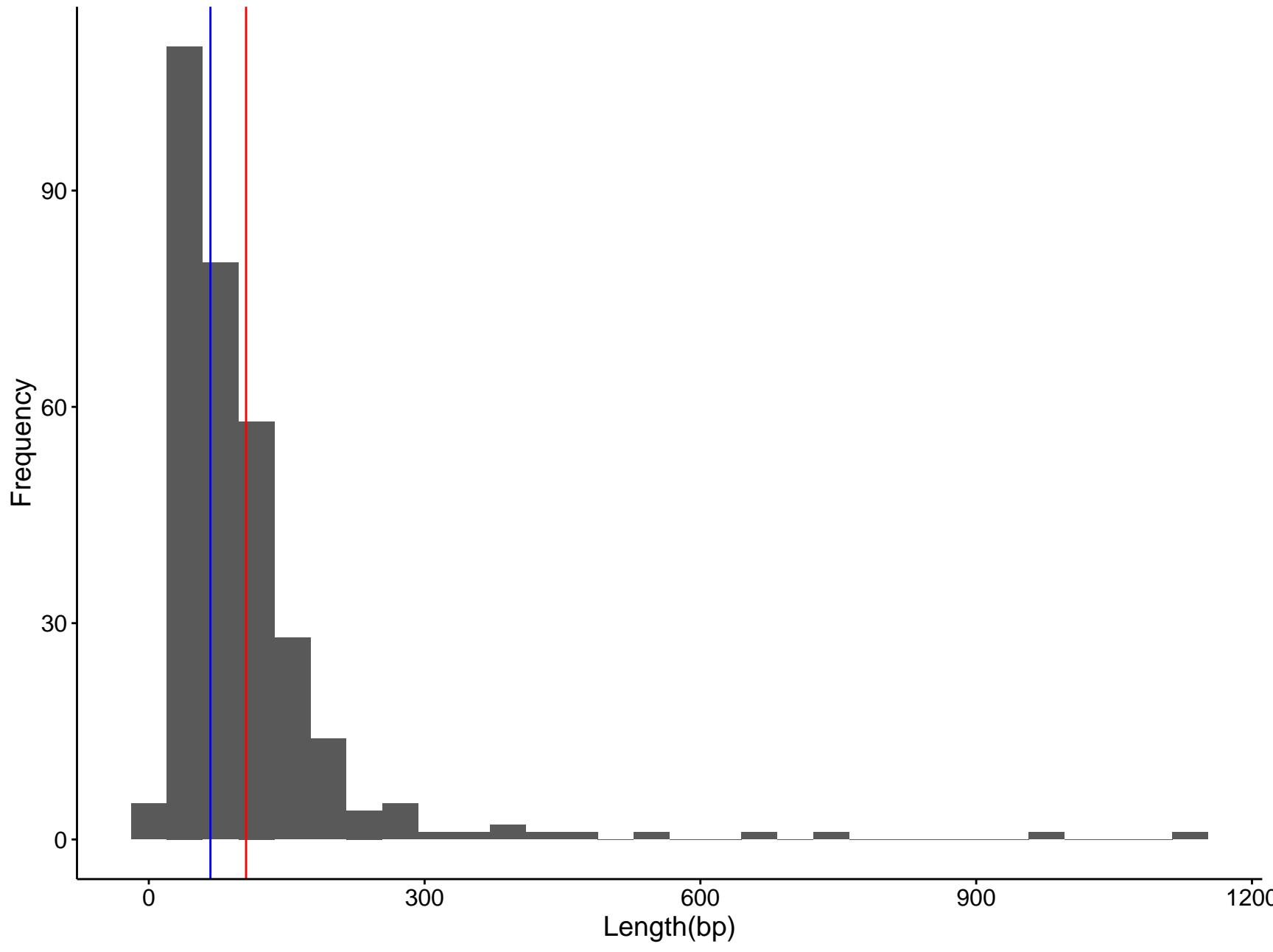
Cluster1173



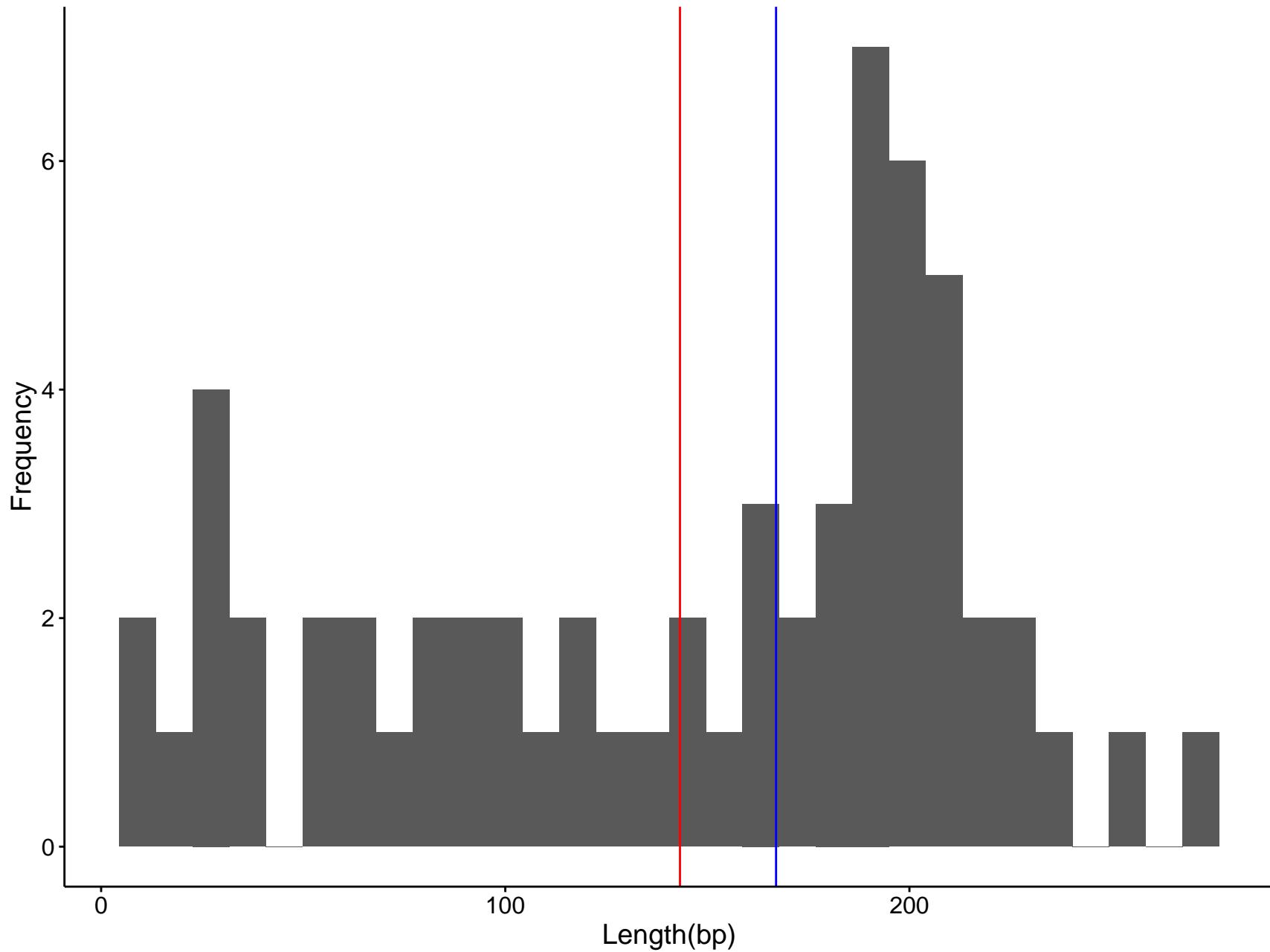
Cluster1174



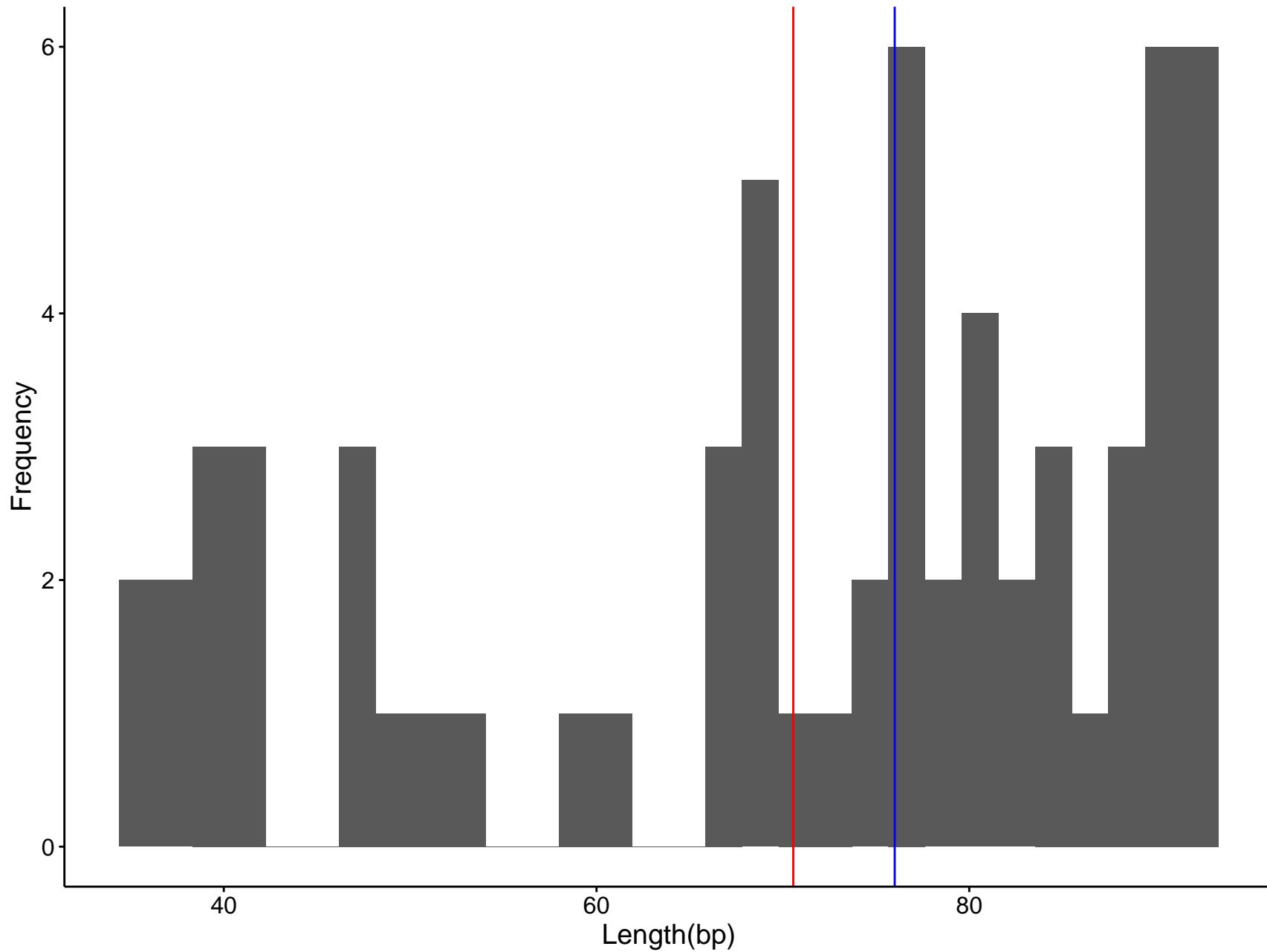
Cluster1175



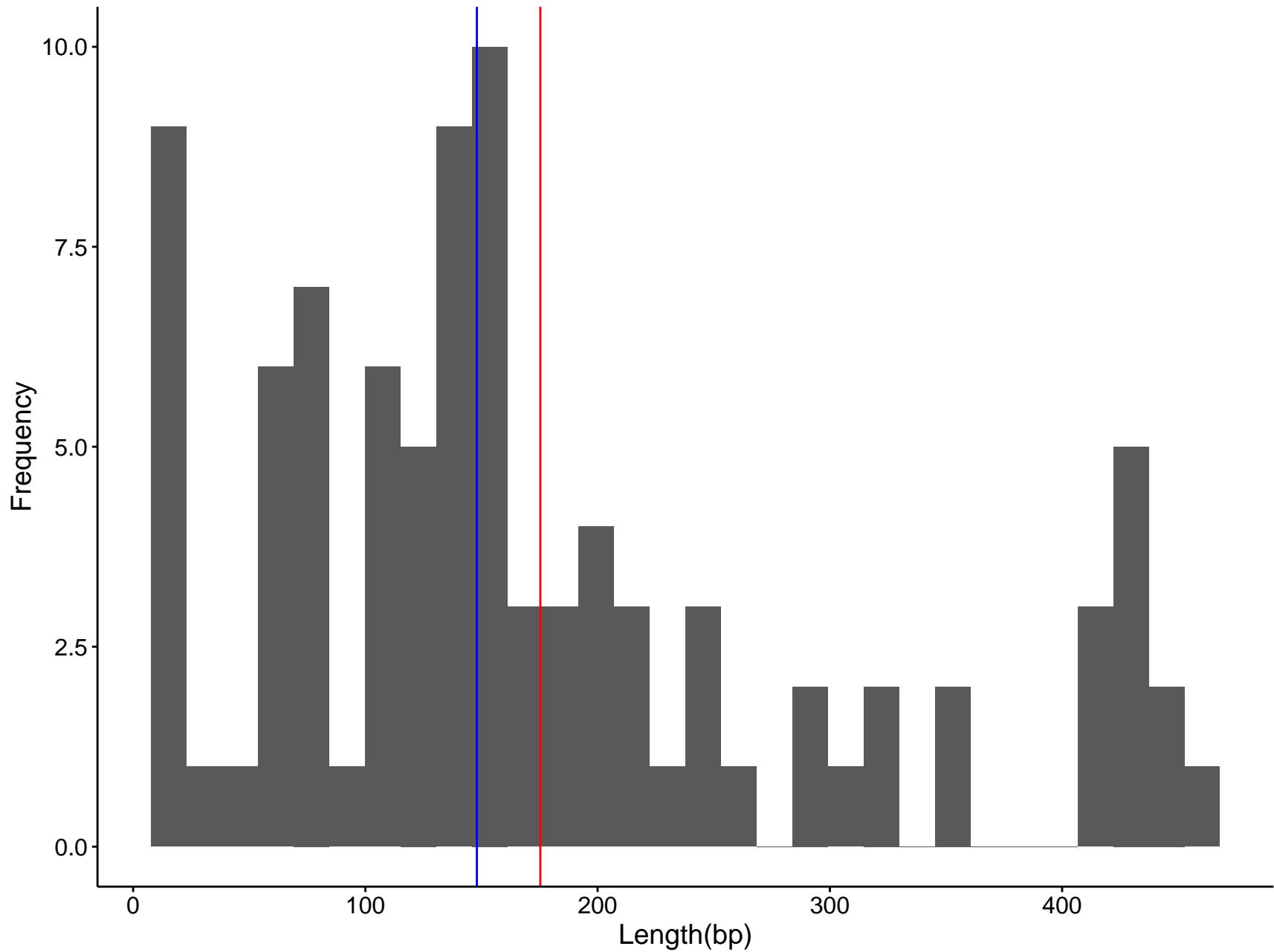
Cluster1176



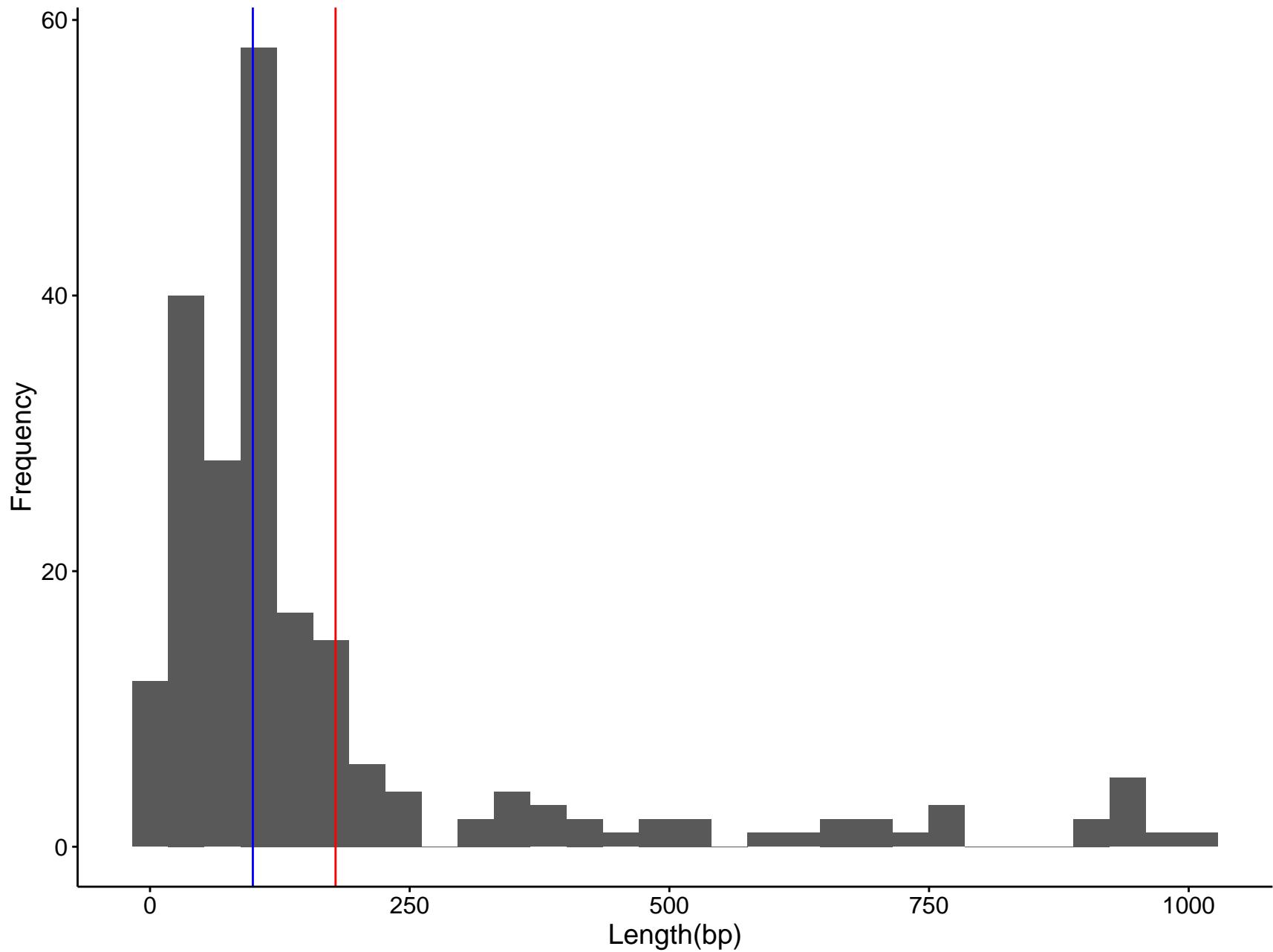
Cluster1177



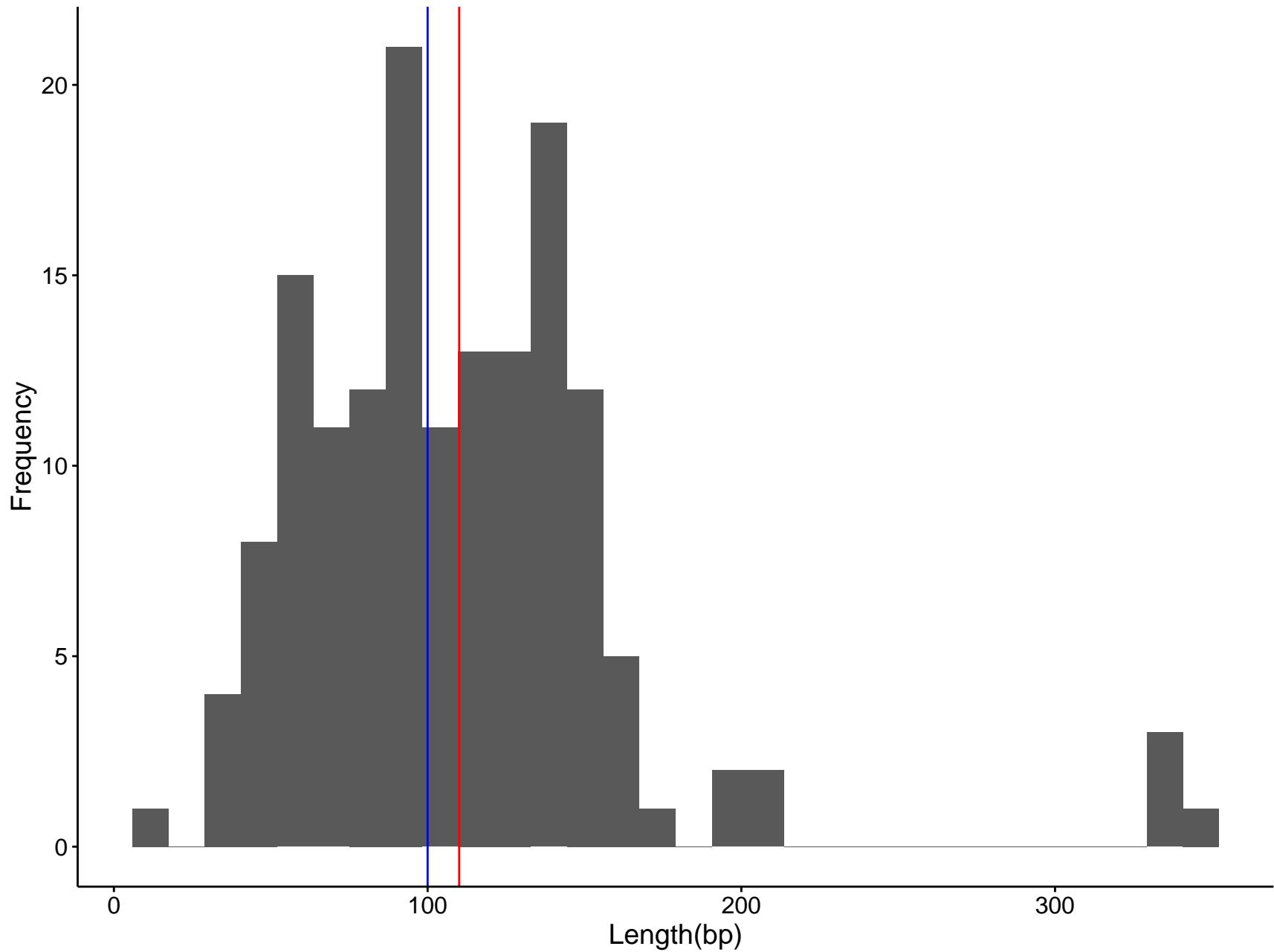
Cluster1178



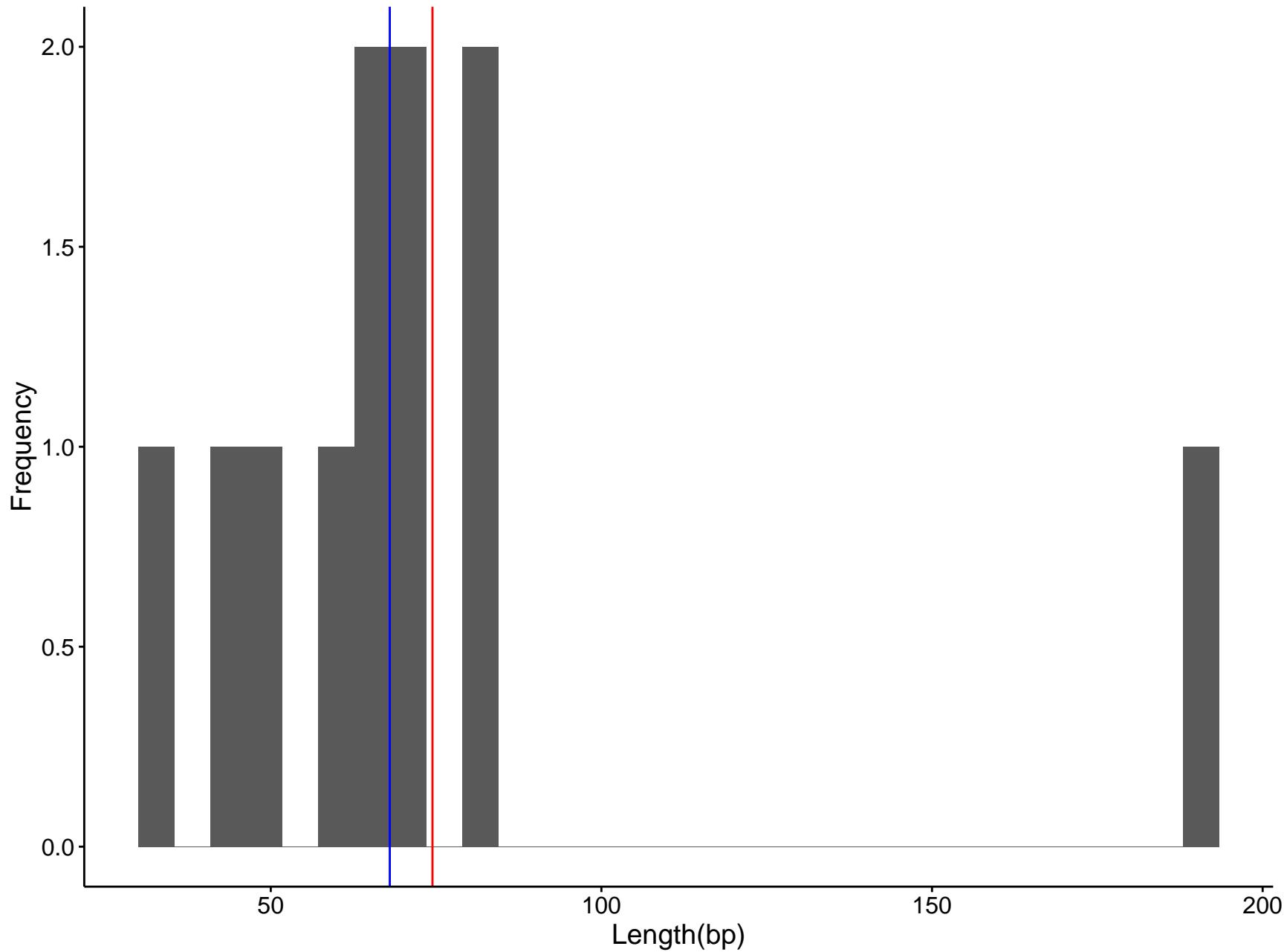
Cluster1179



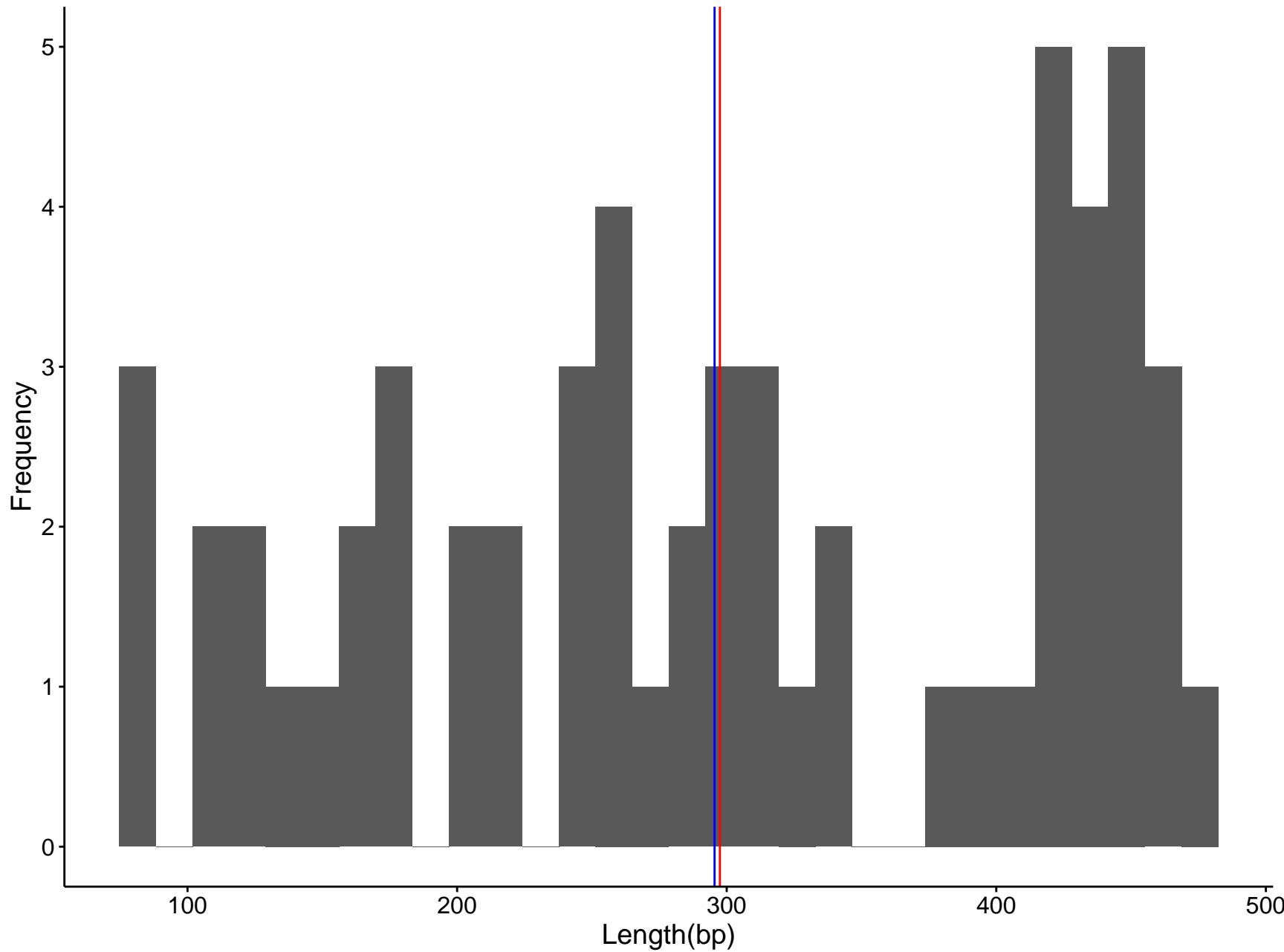
Cluster1180



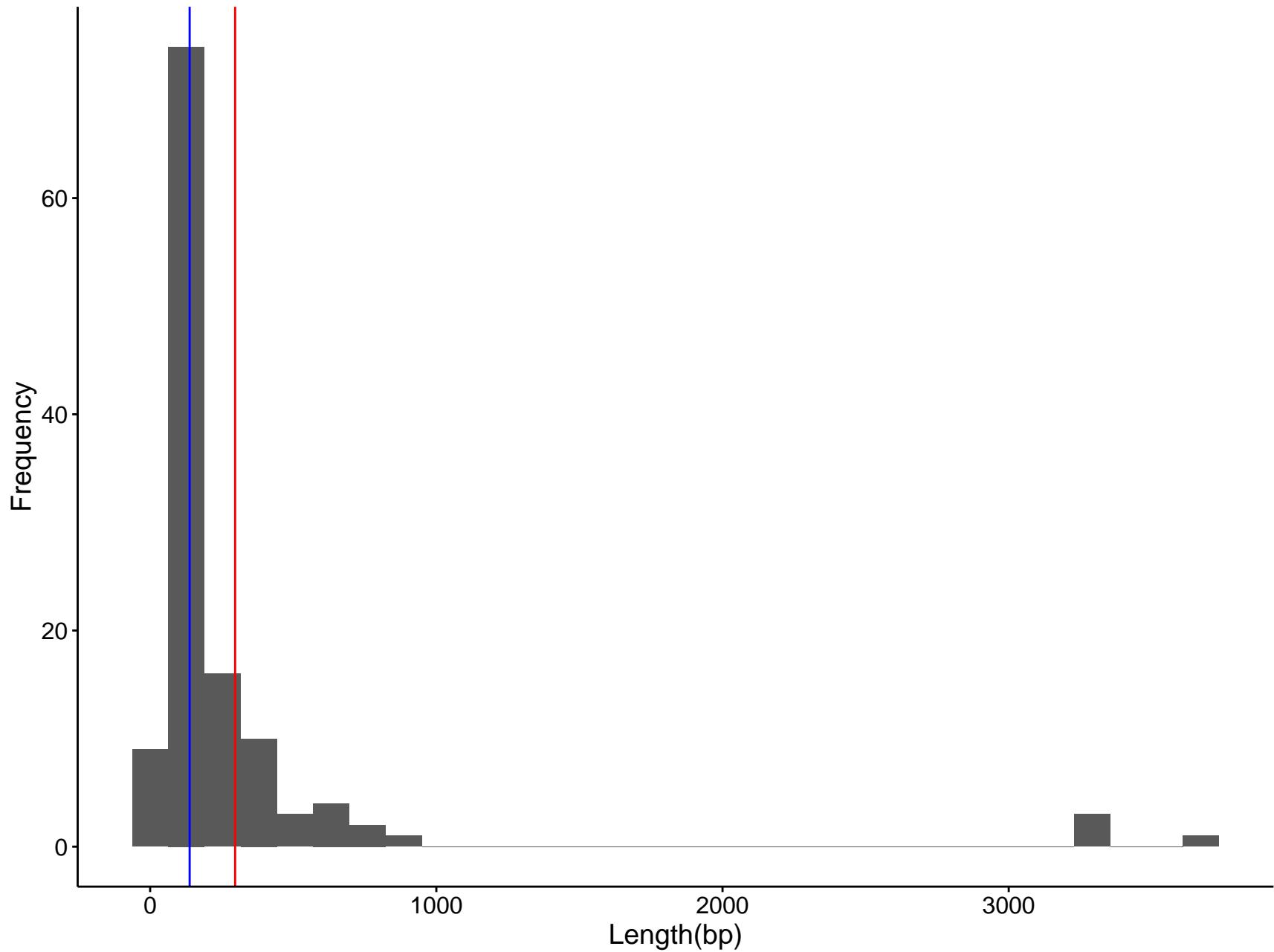
Cluster1186



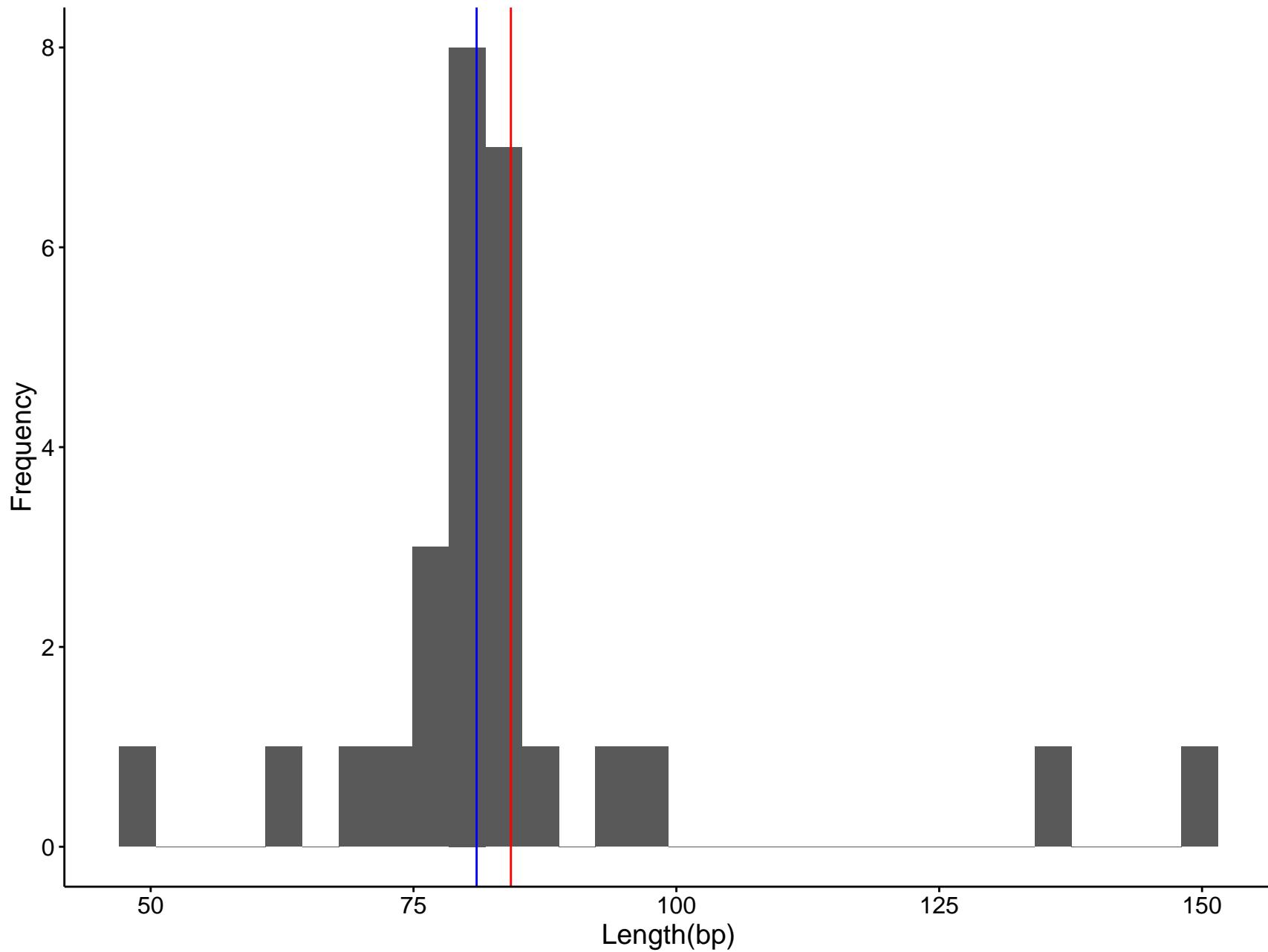
Cluster1188



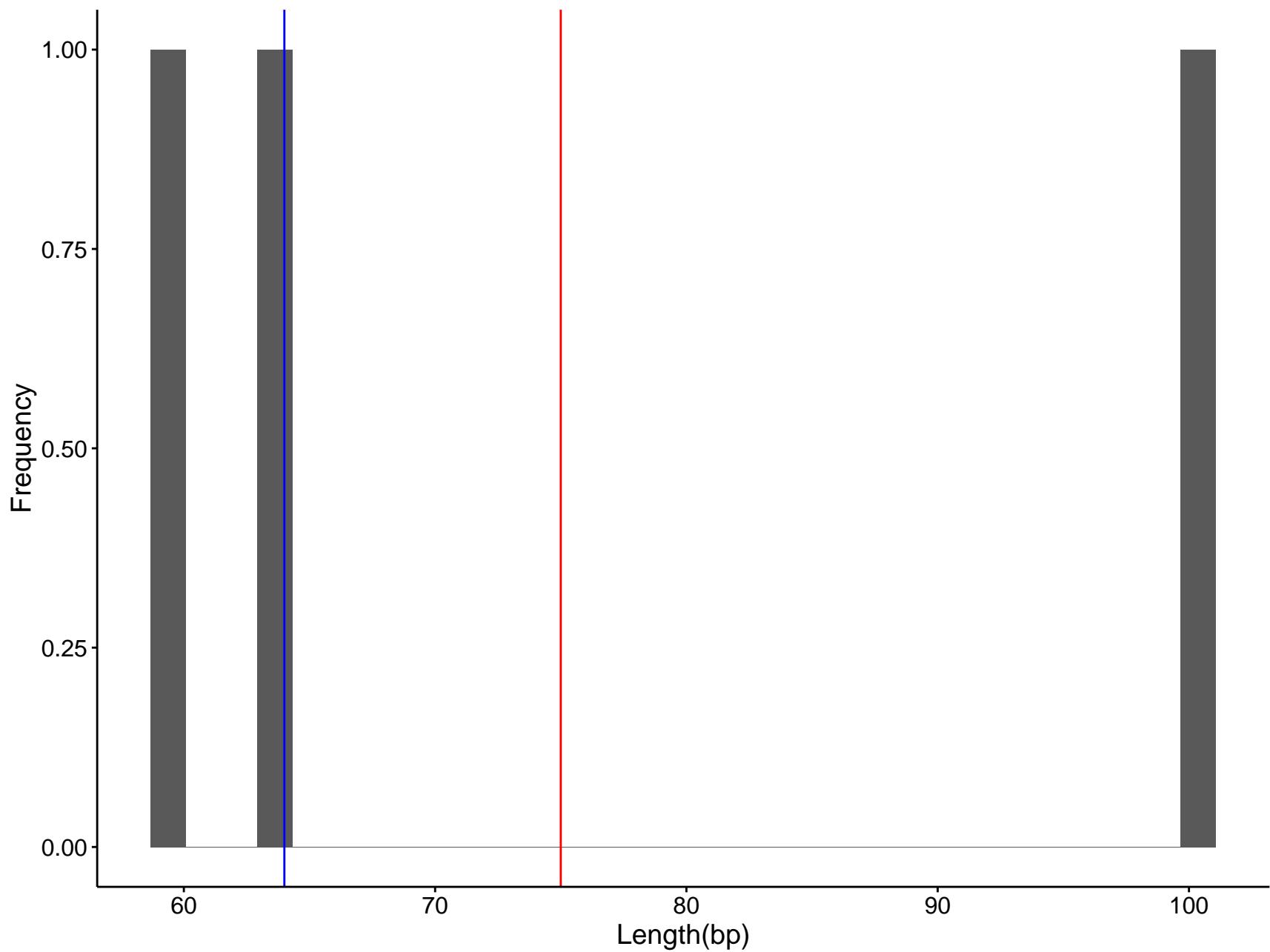
Cluster118



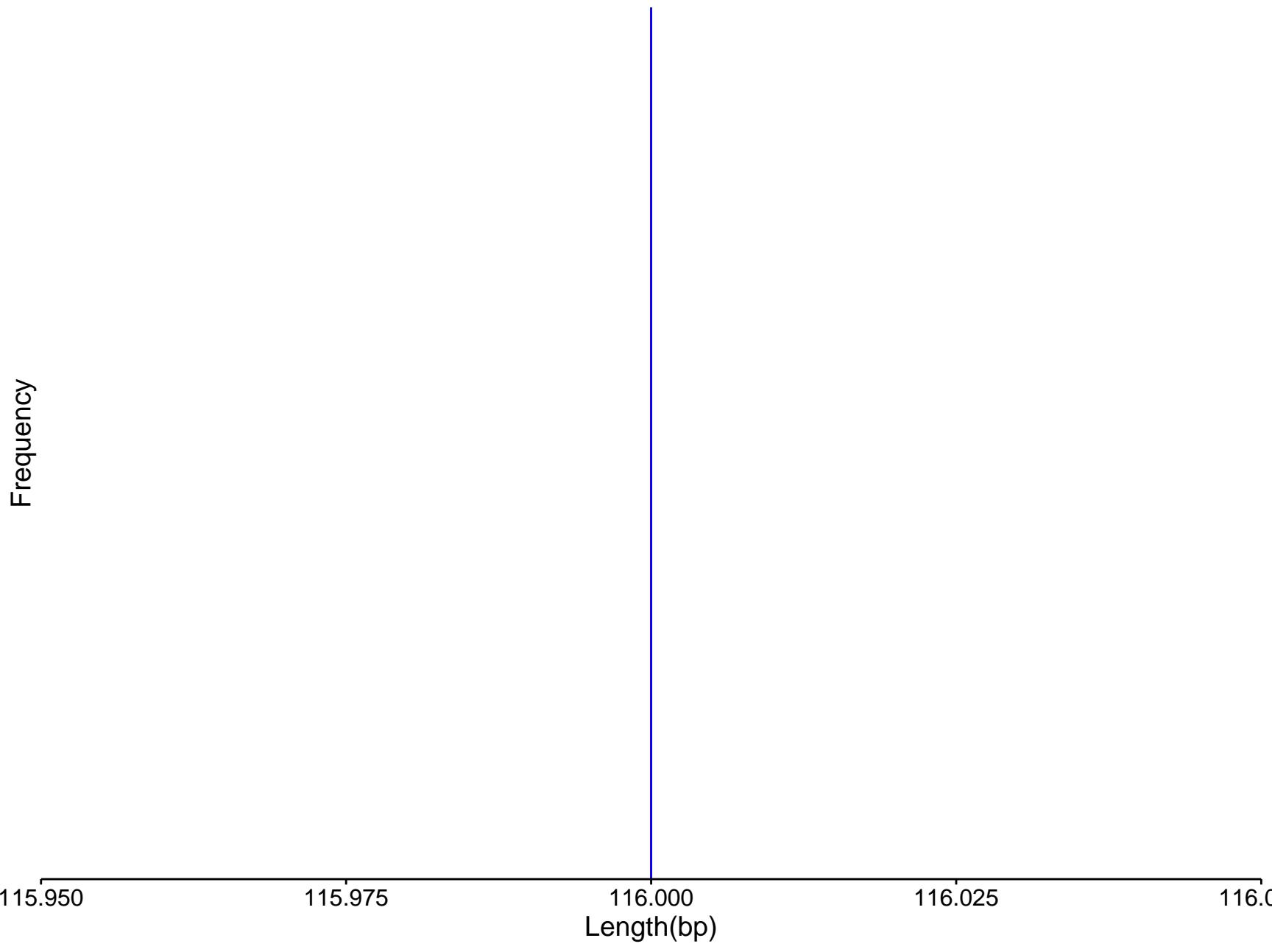
Cluster1190



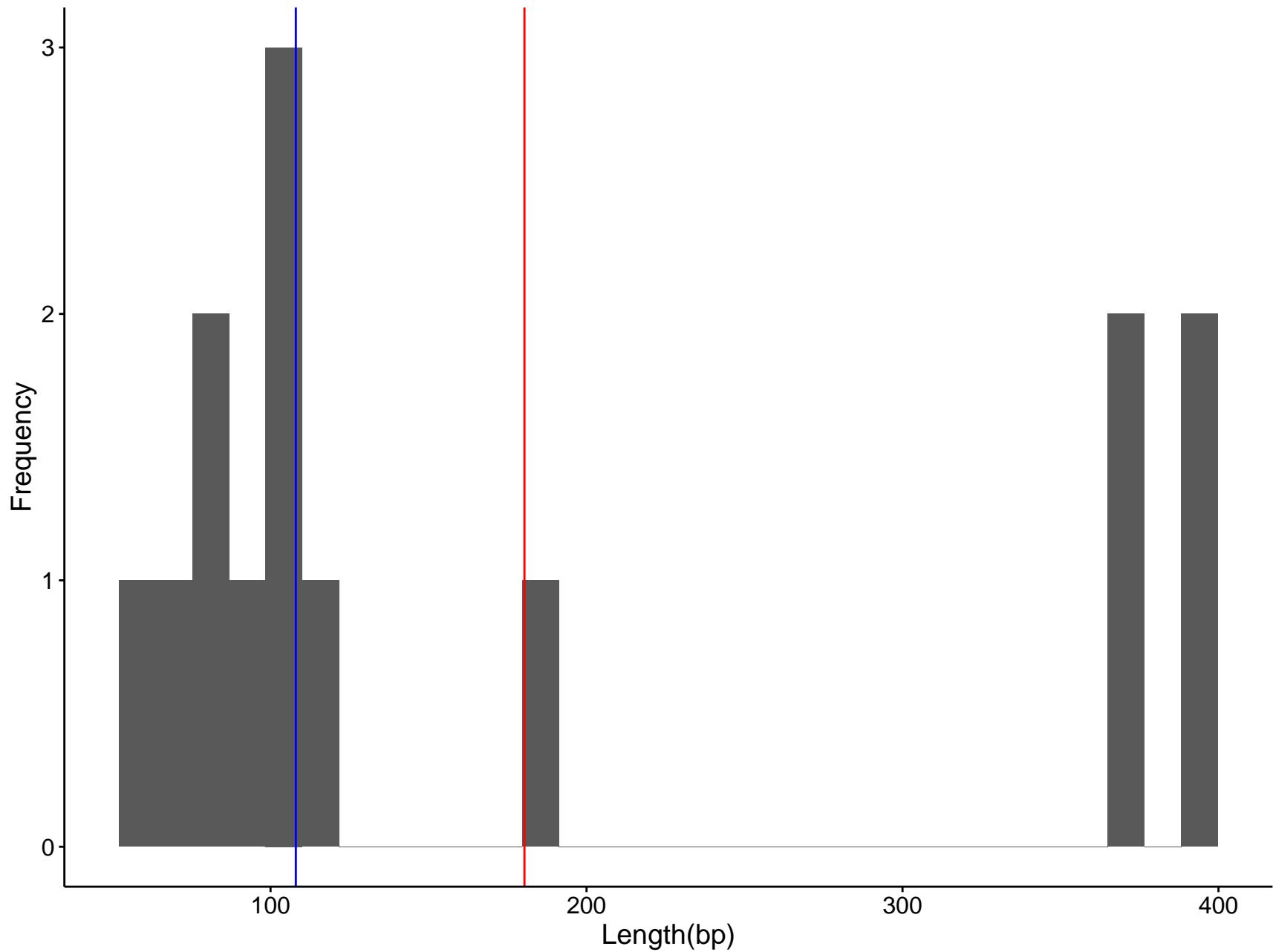
Cluster1192



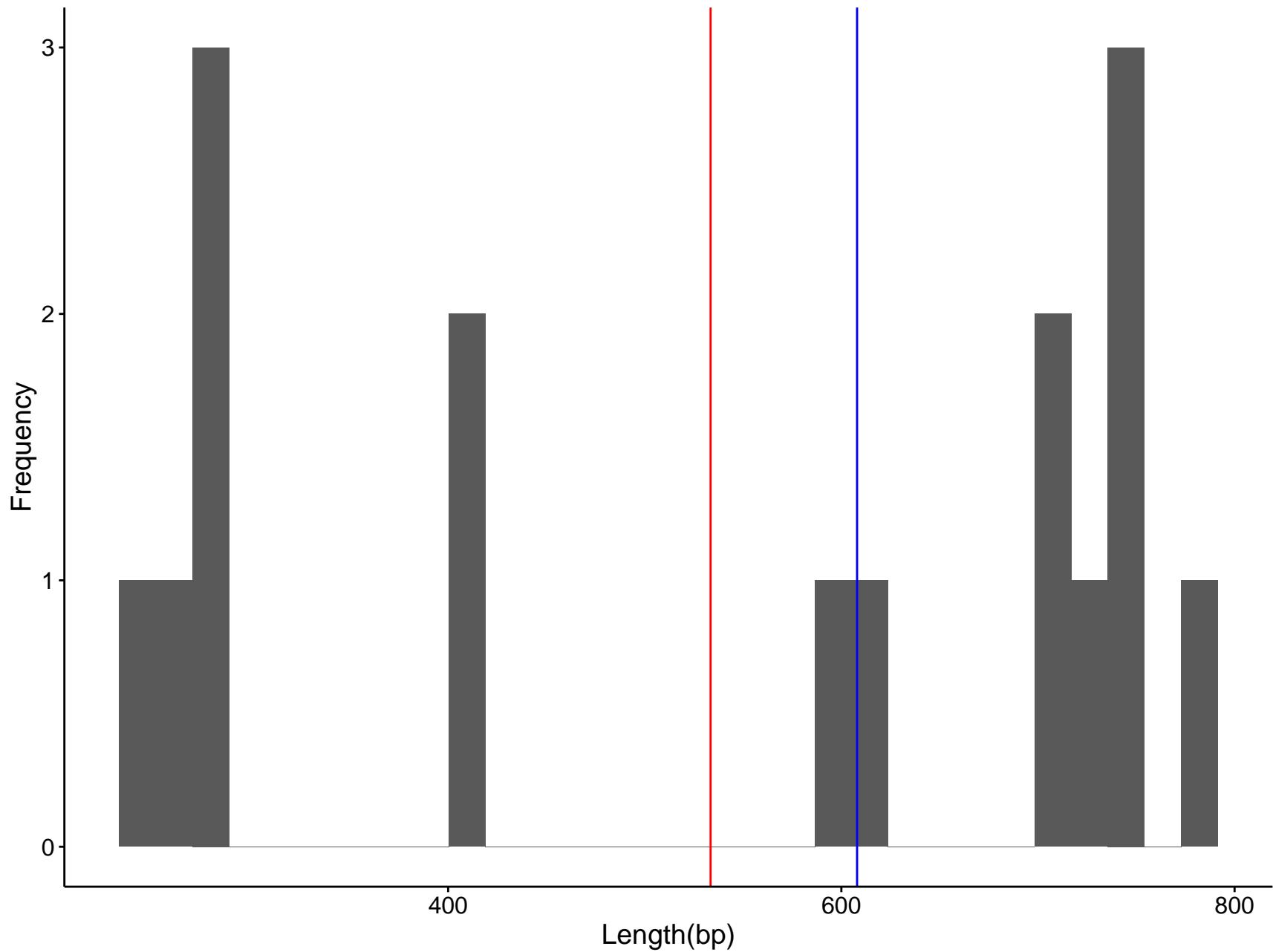
# Cluster1195



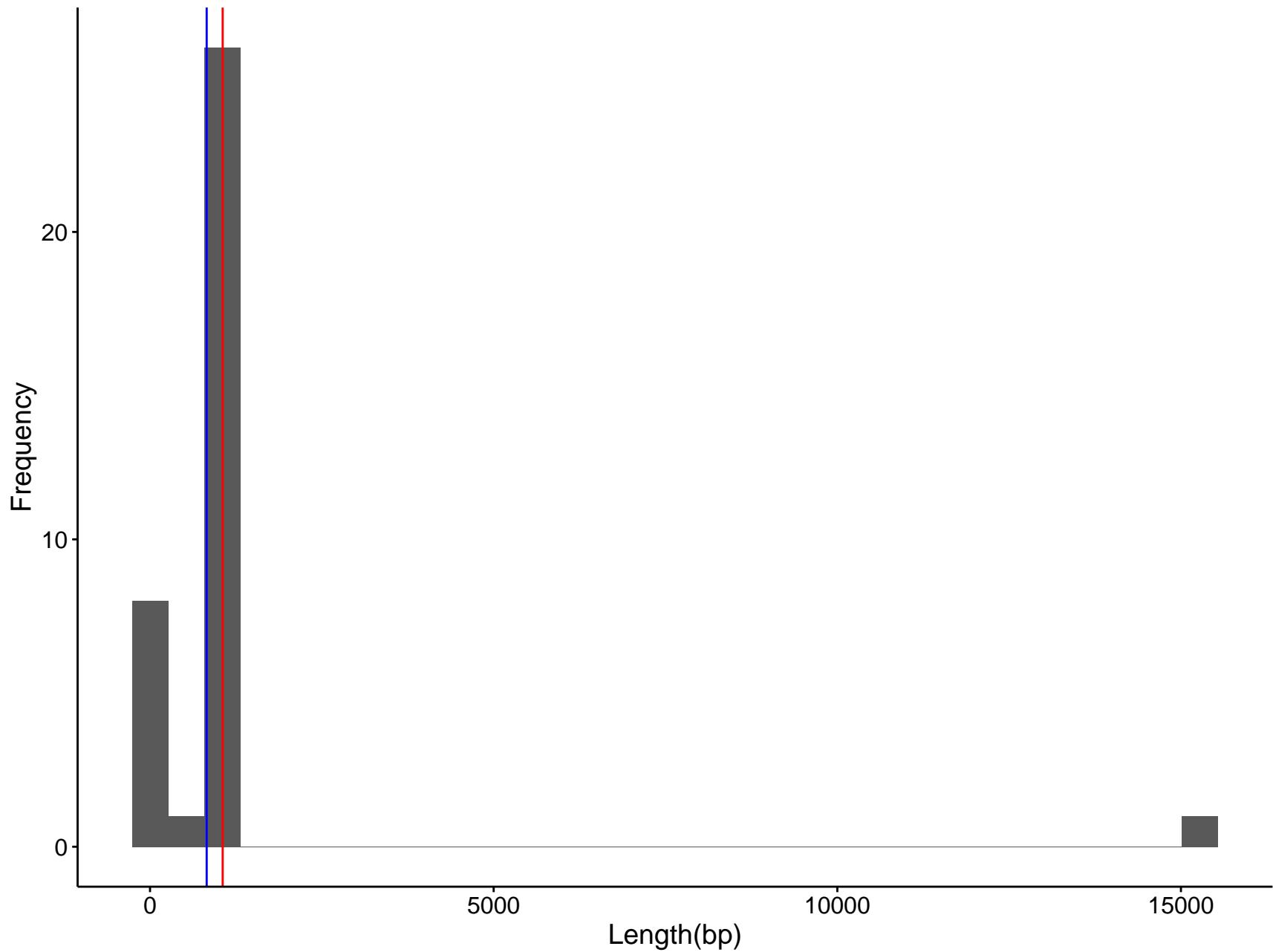
Cluster1196



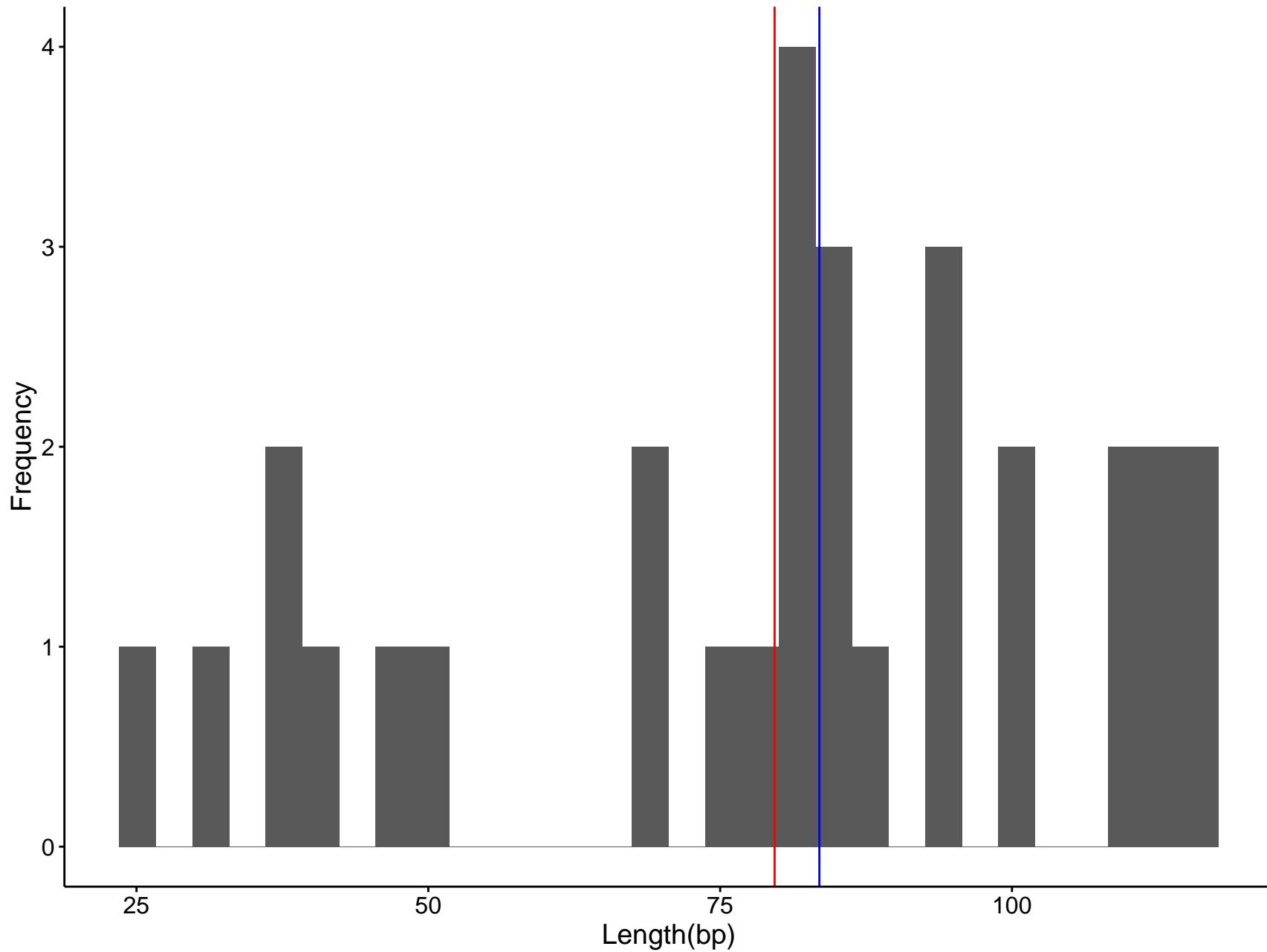
Cluster1197



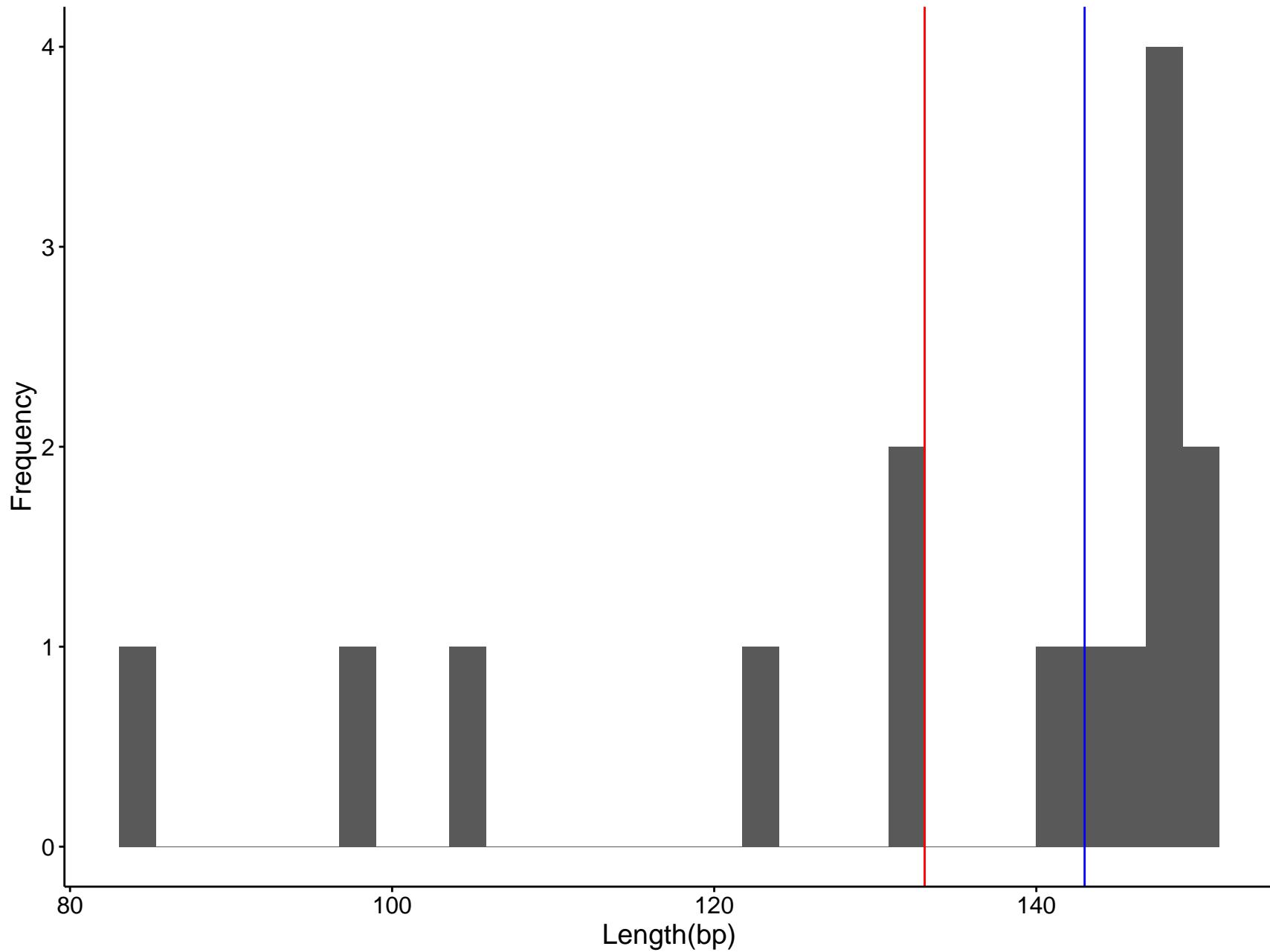
Cluster119

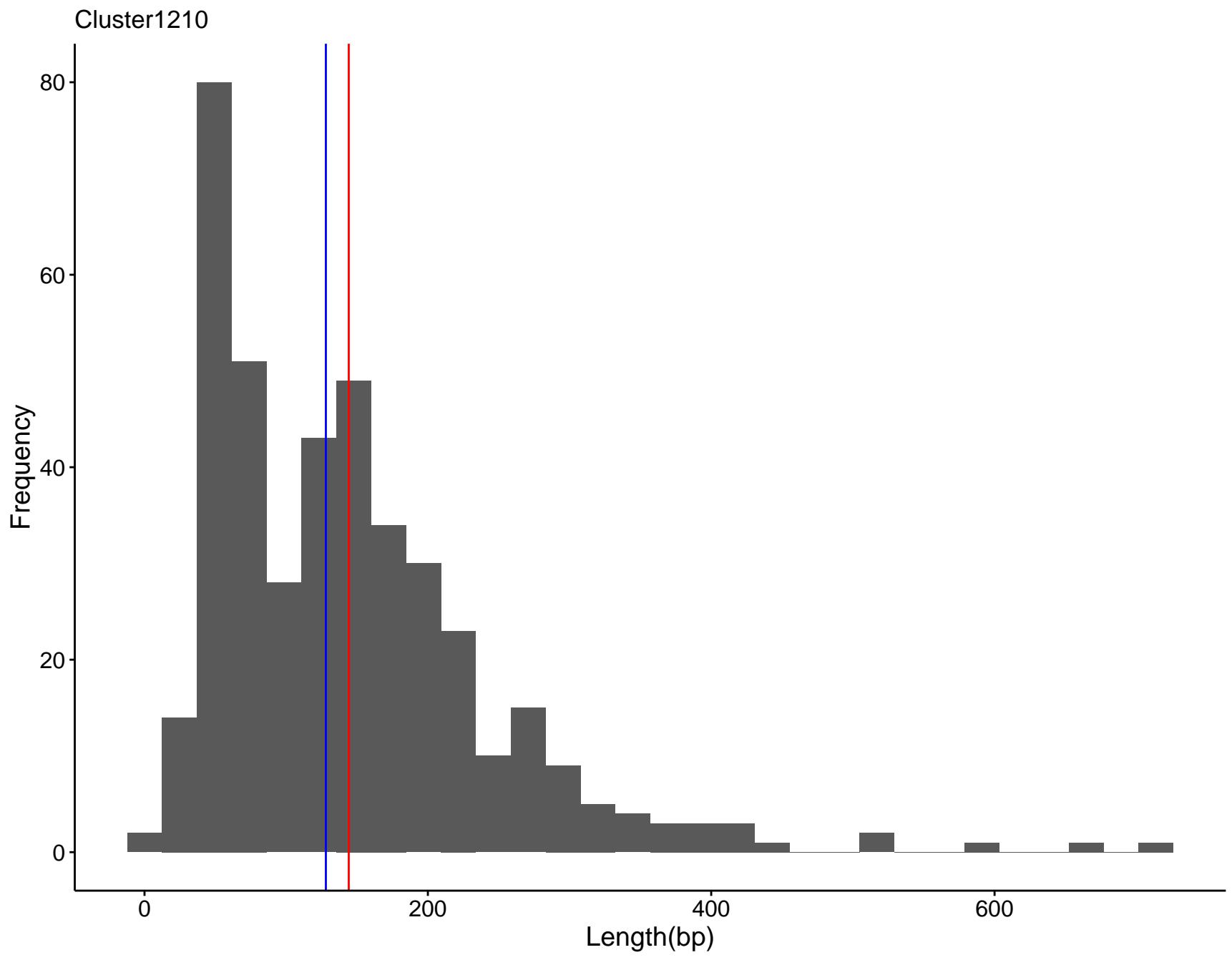


Cluster1204

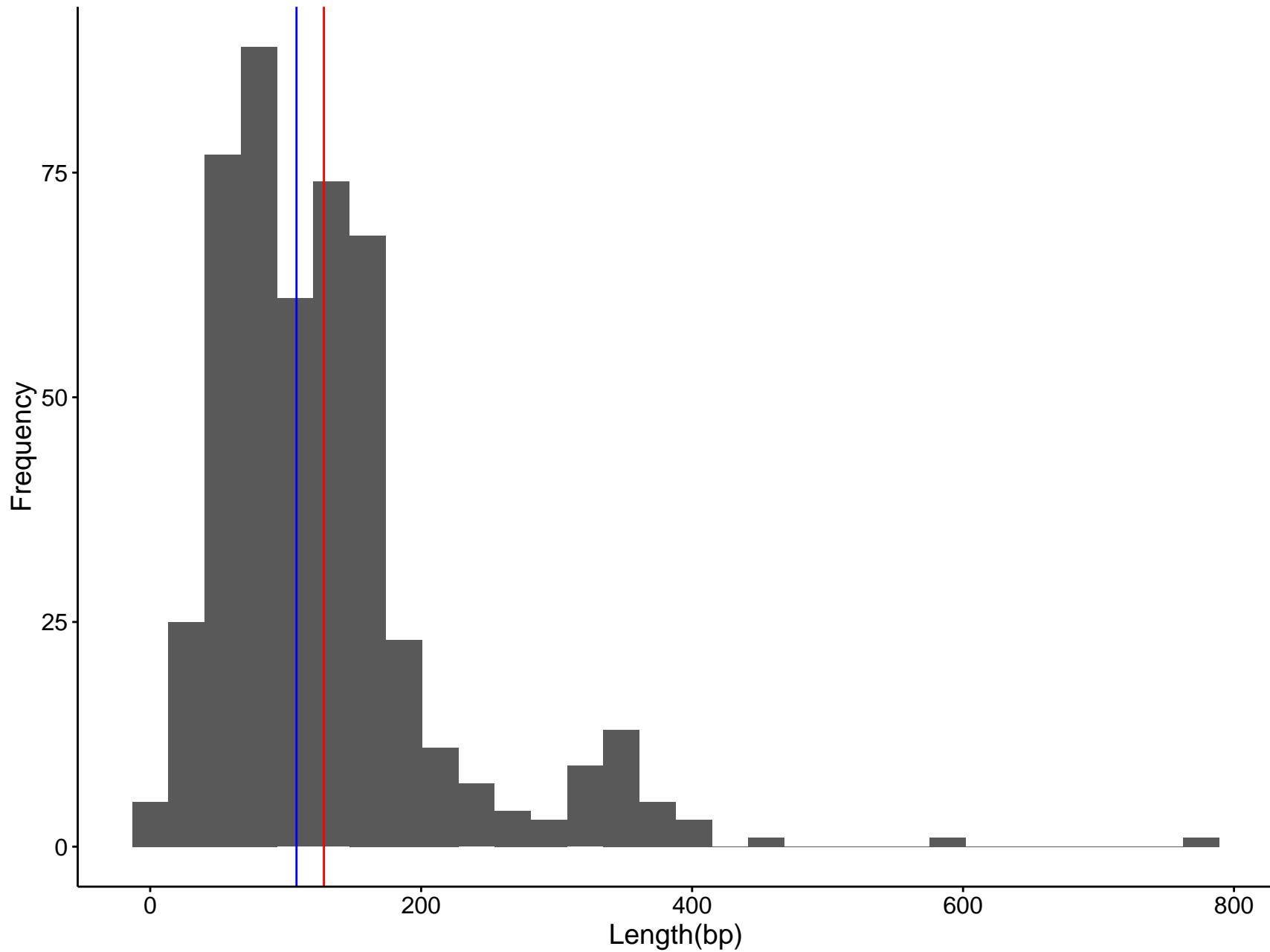


Cluster1207

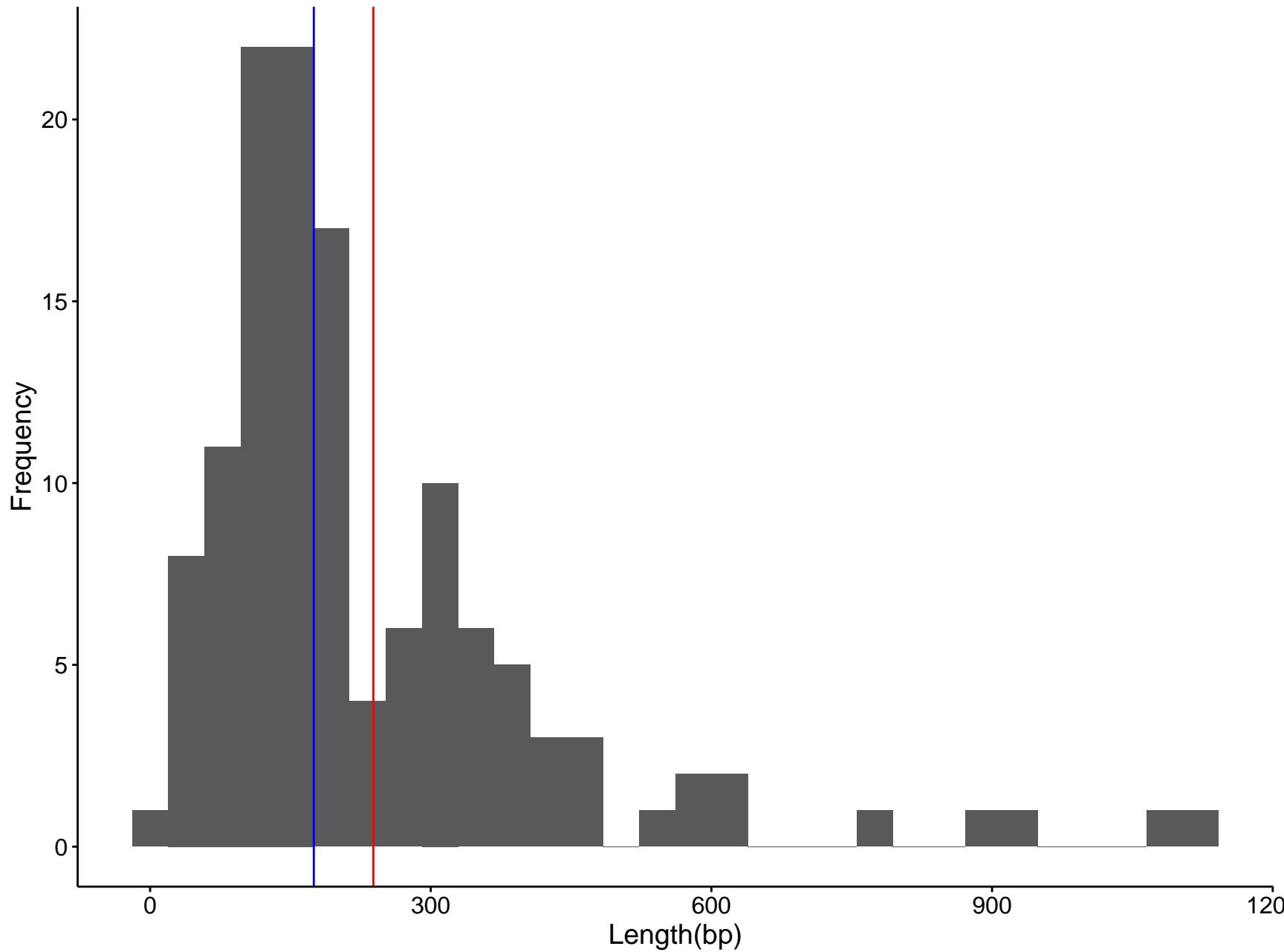




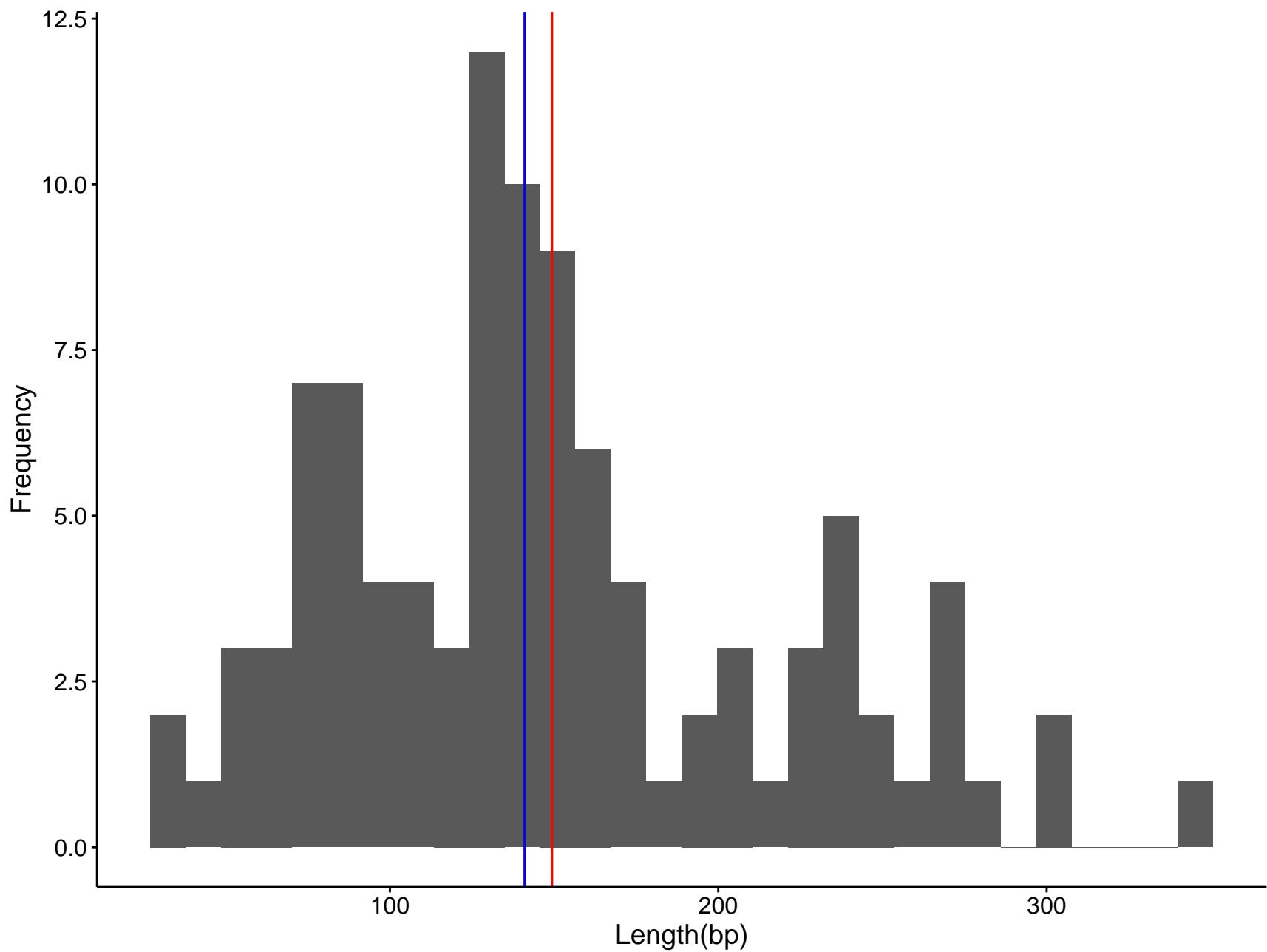
Cluster1211



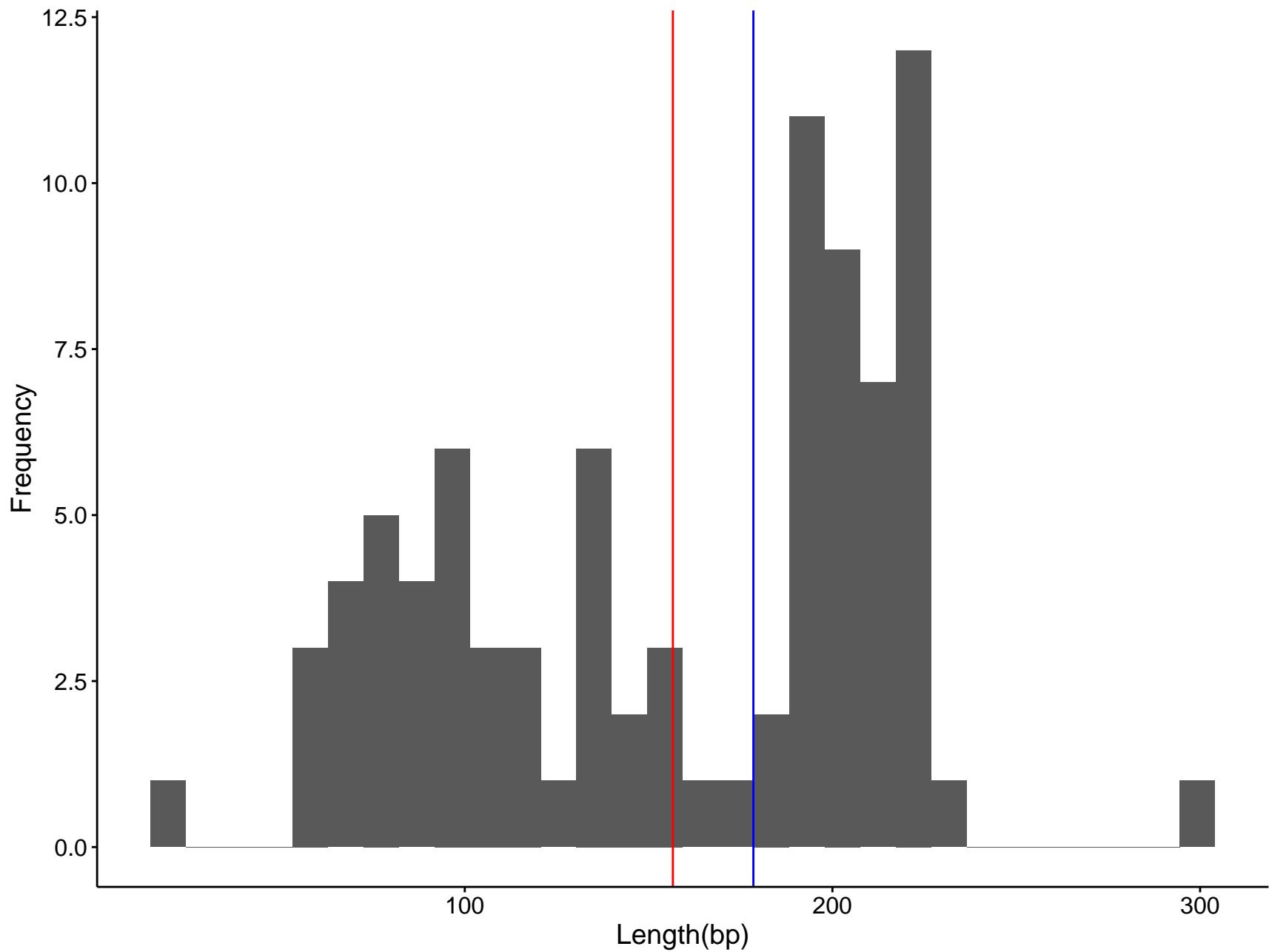
Cluster1212



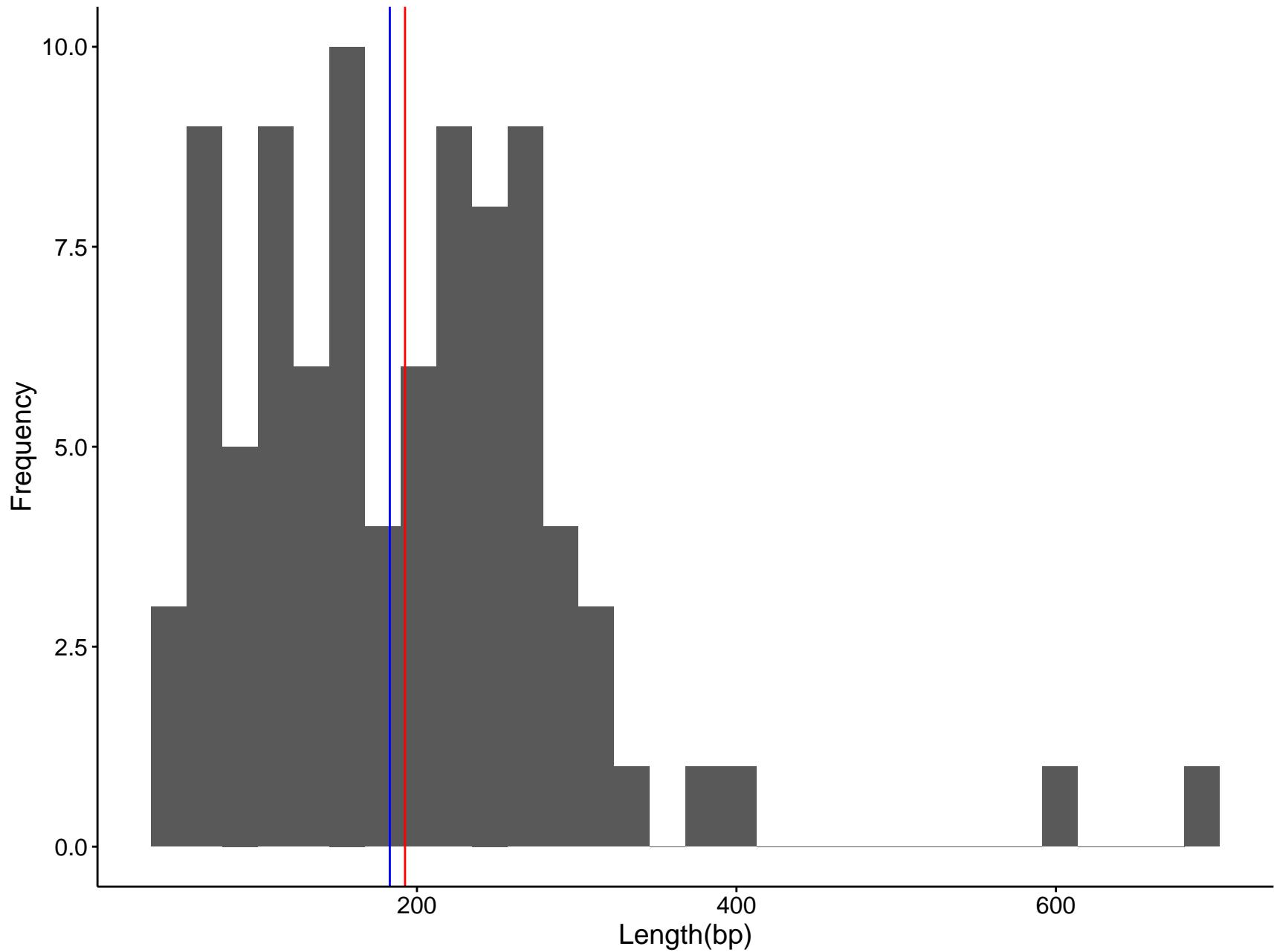
Cluster1213



Cluster1214



Cluster1215



# Cluster1216

Frequency

126.950

126.975

127.000

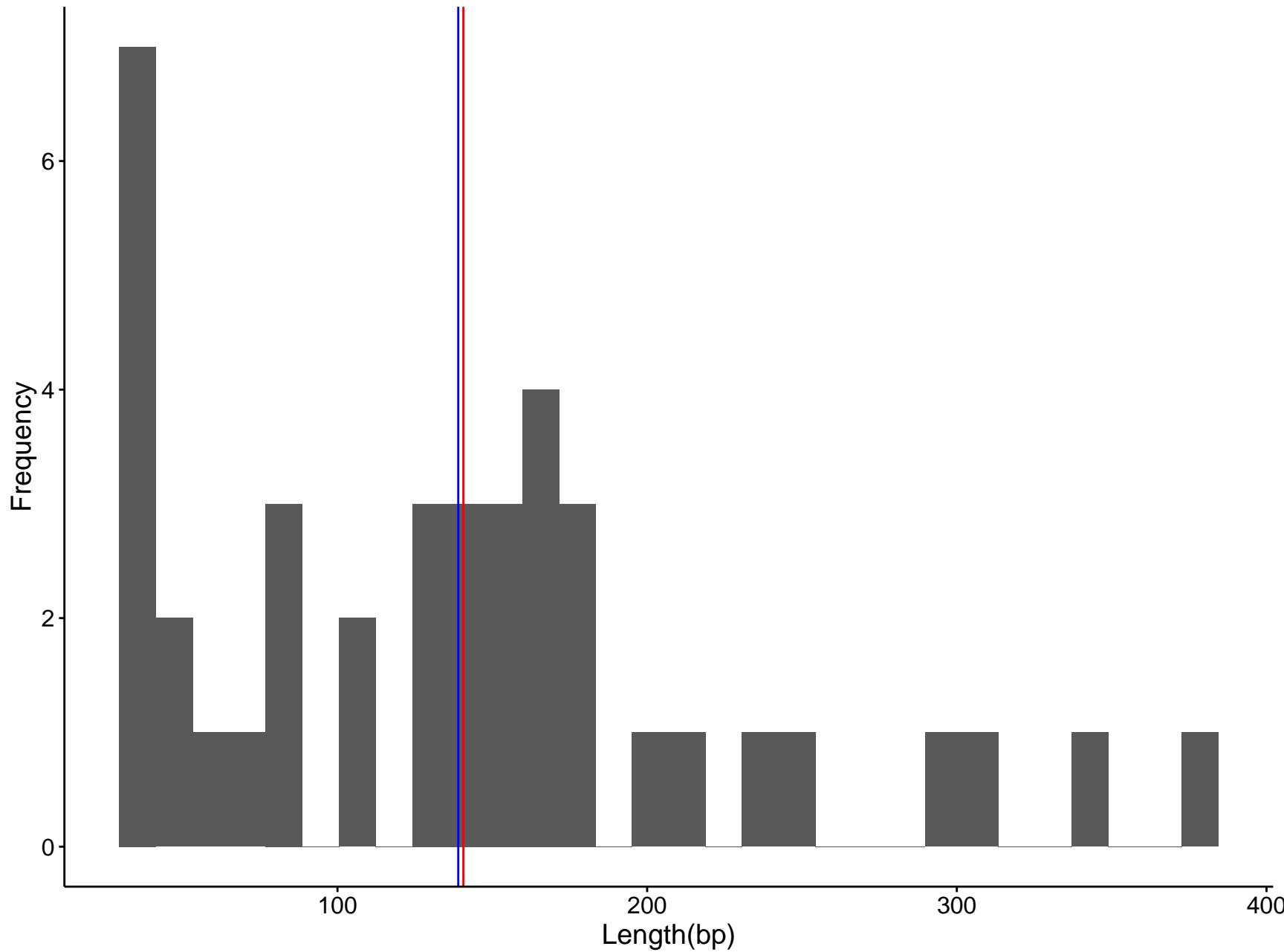
127.025

127.050

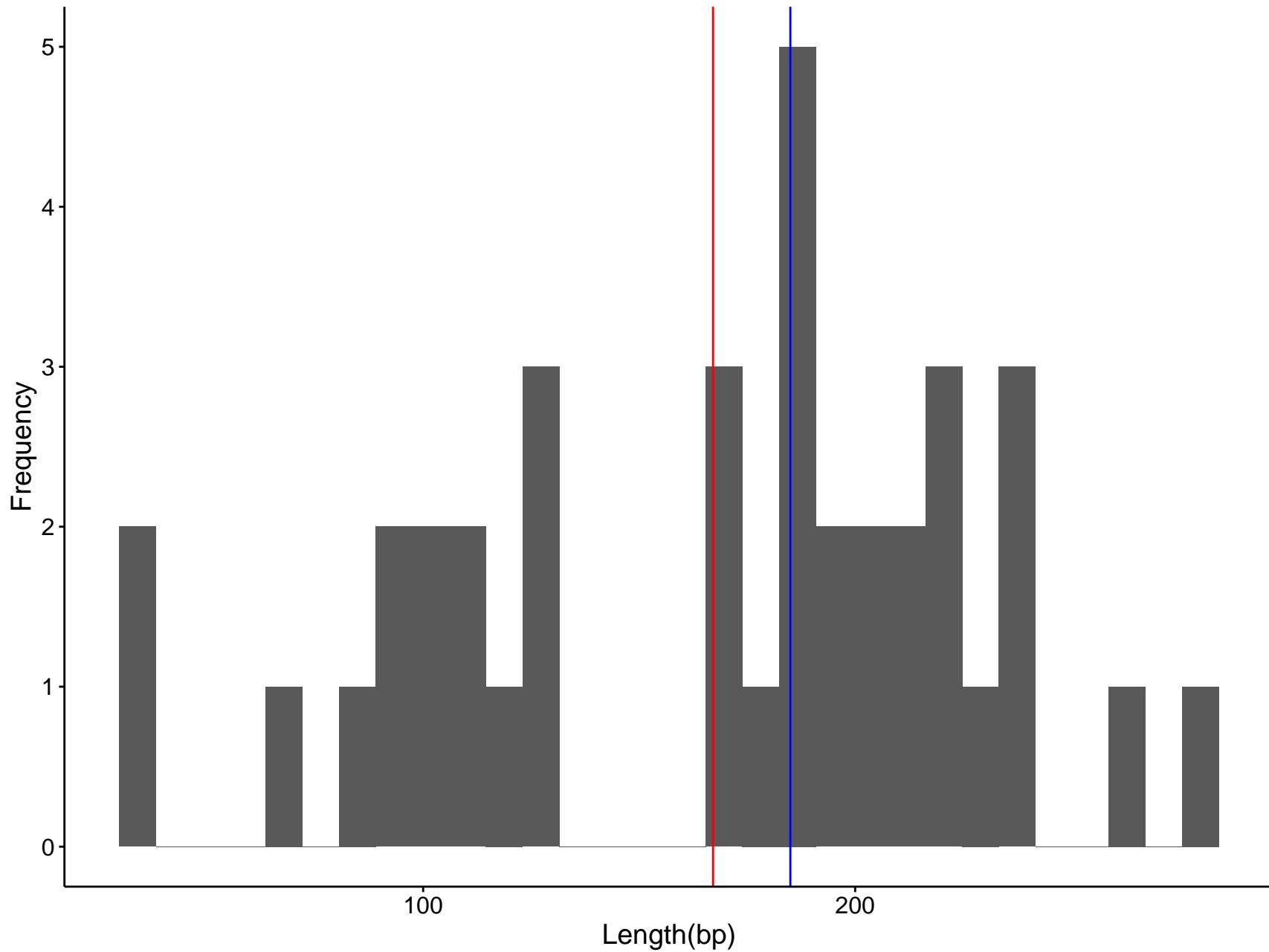
Length(bp)



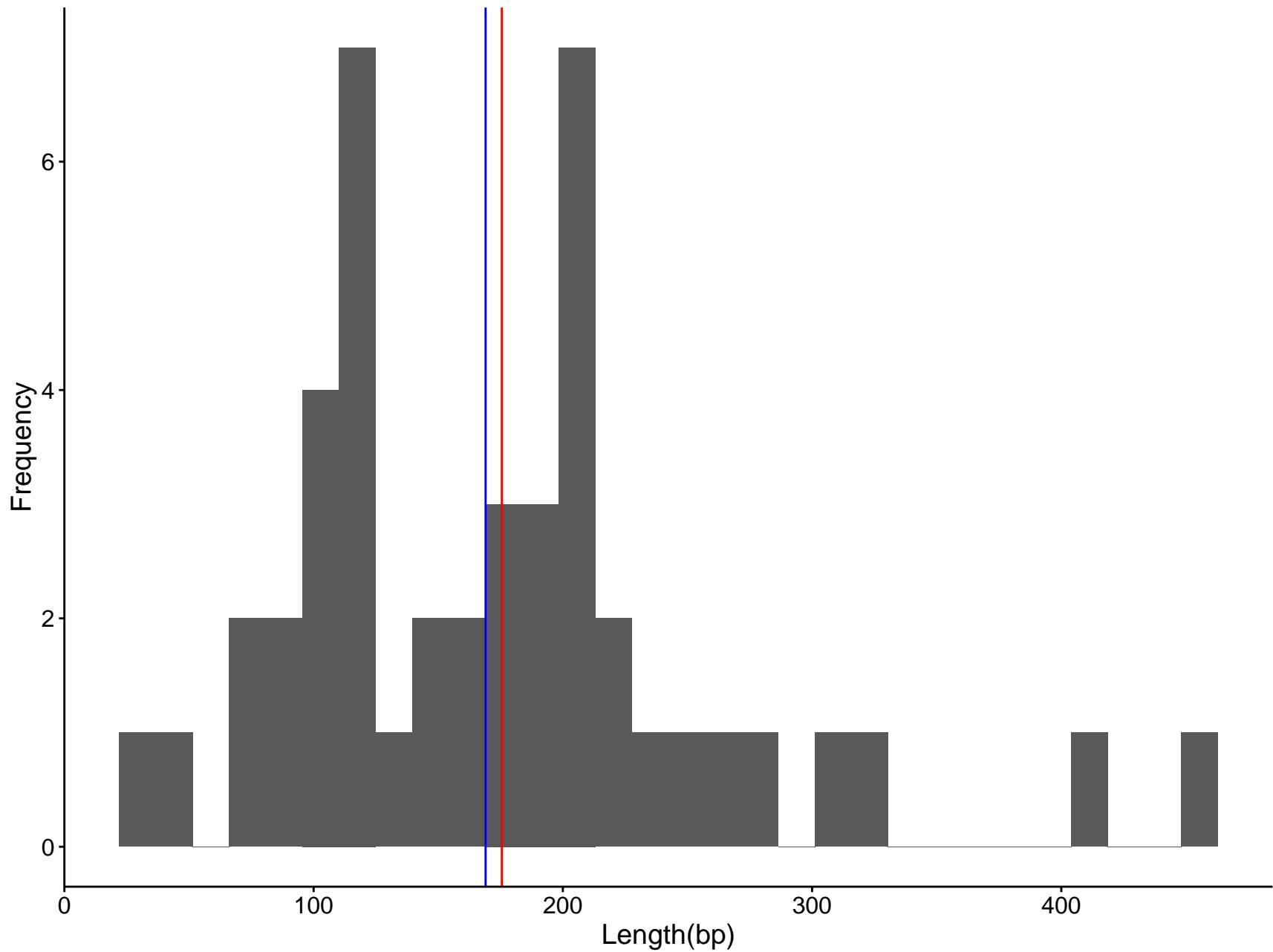
Cluster1217



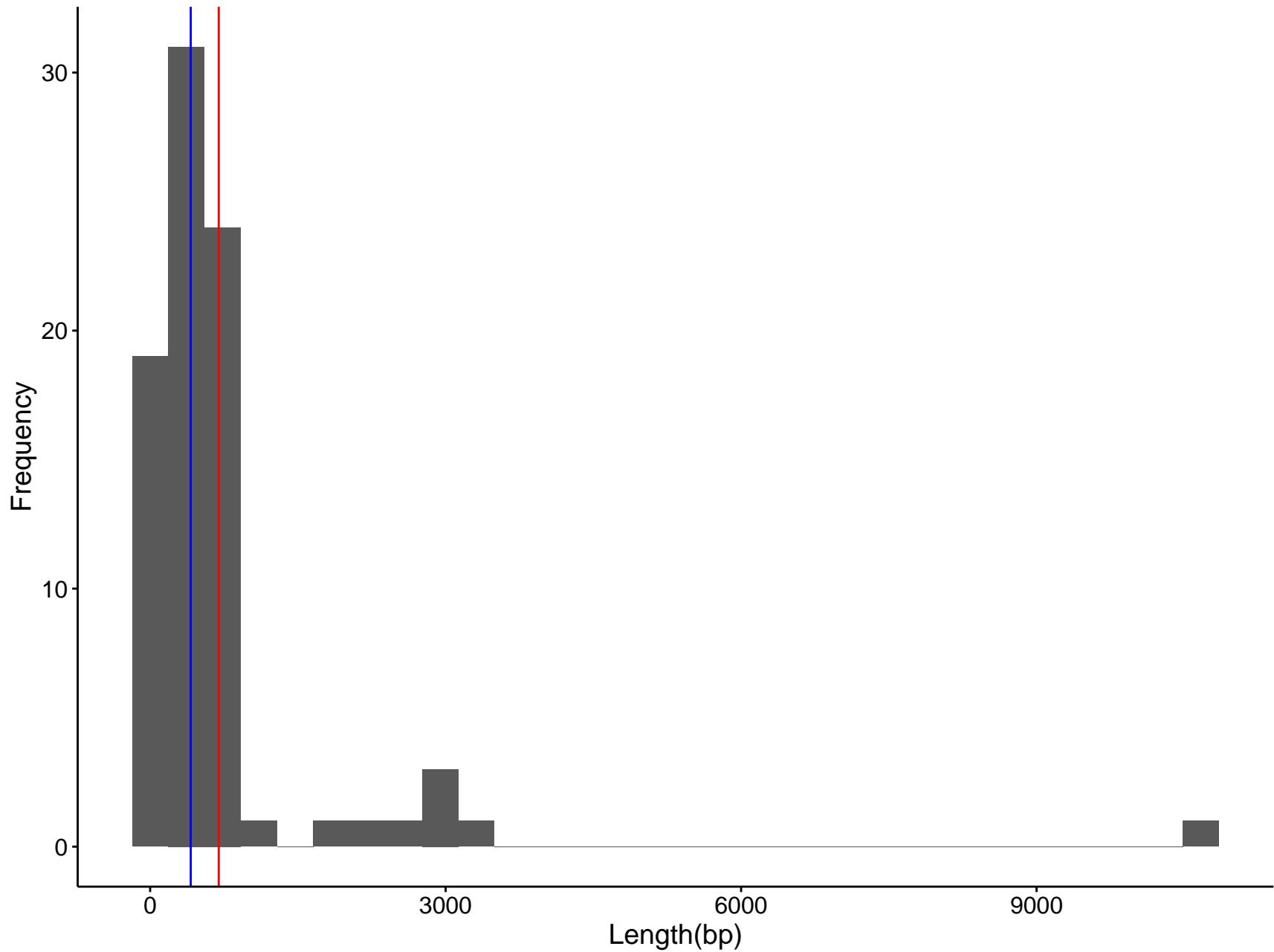
Cluster1218



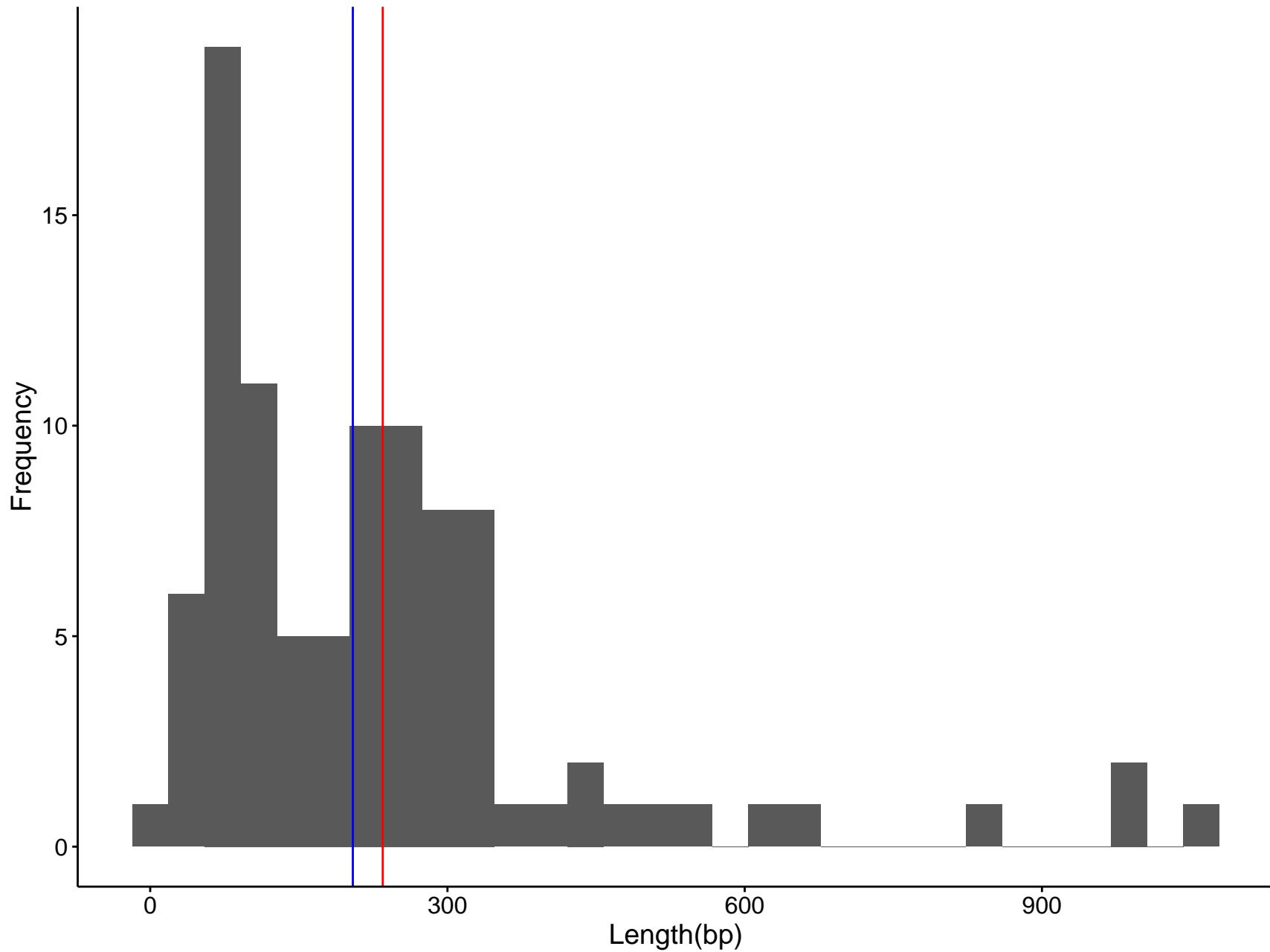
Cluster1219



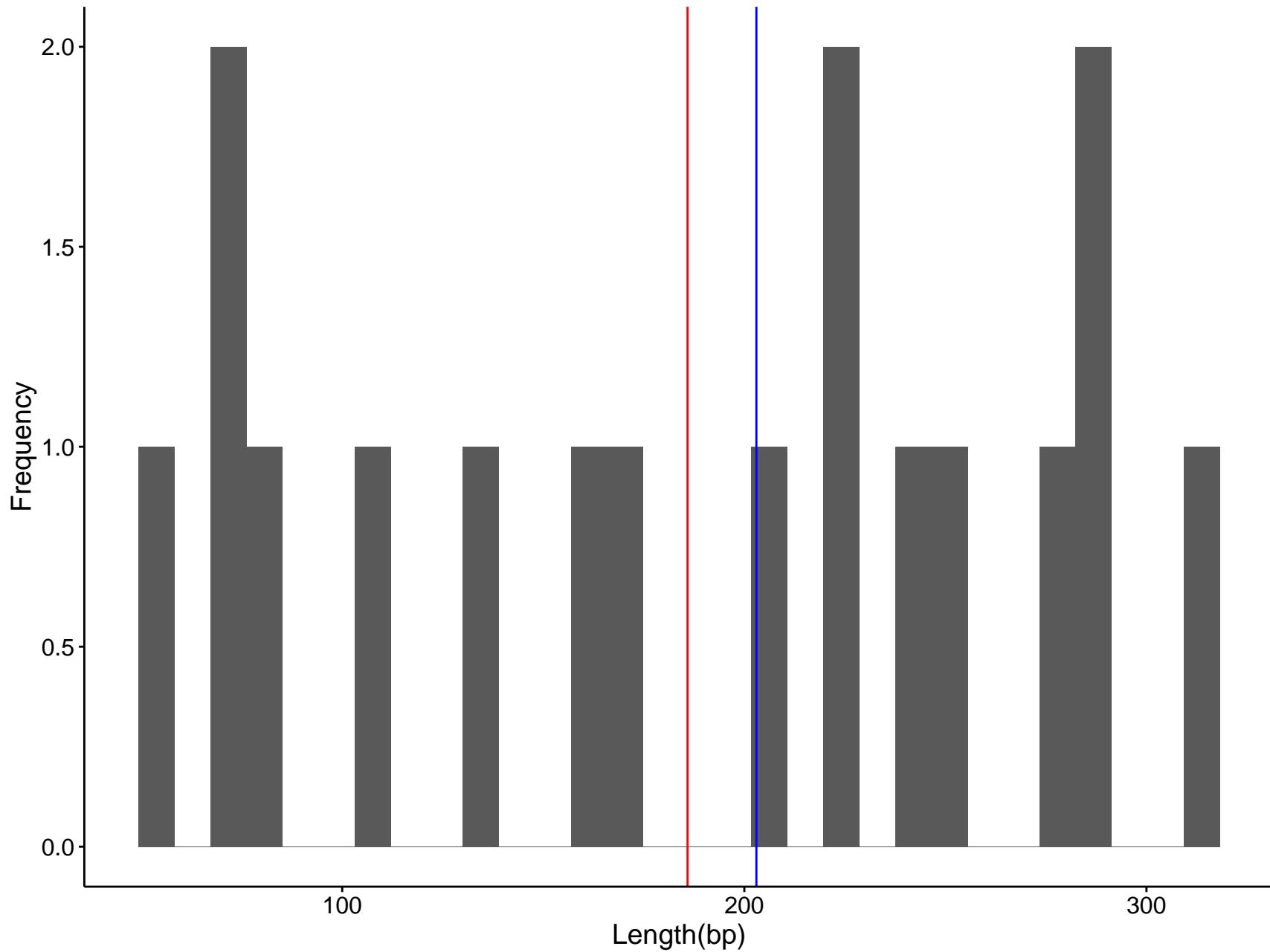
Cluster121



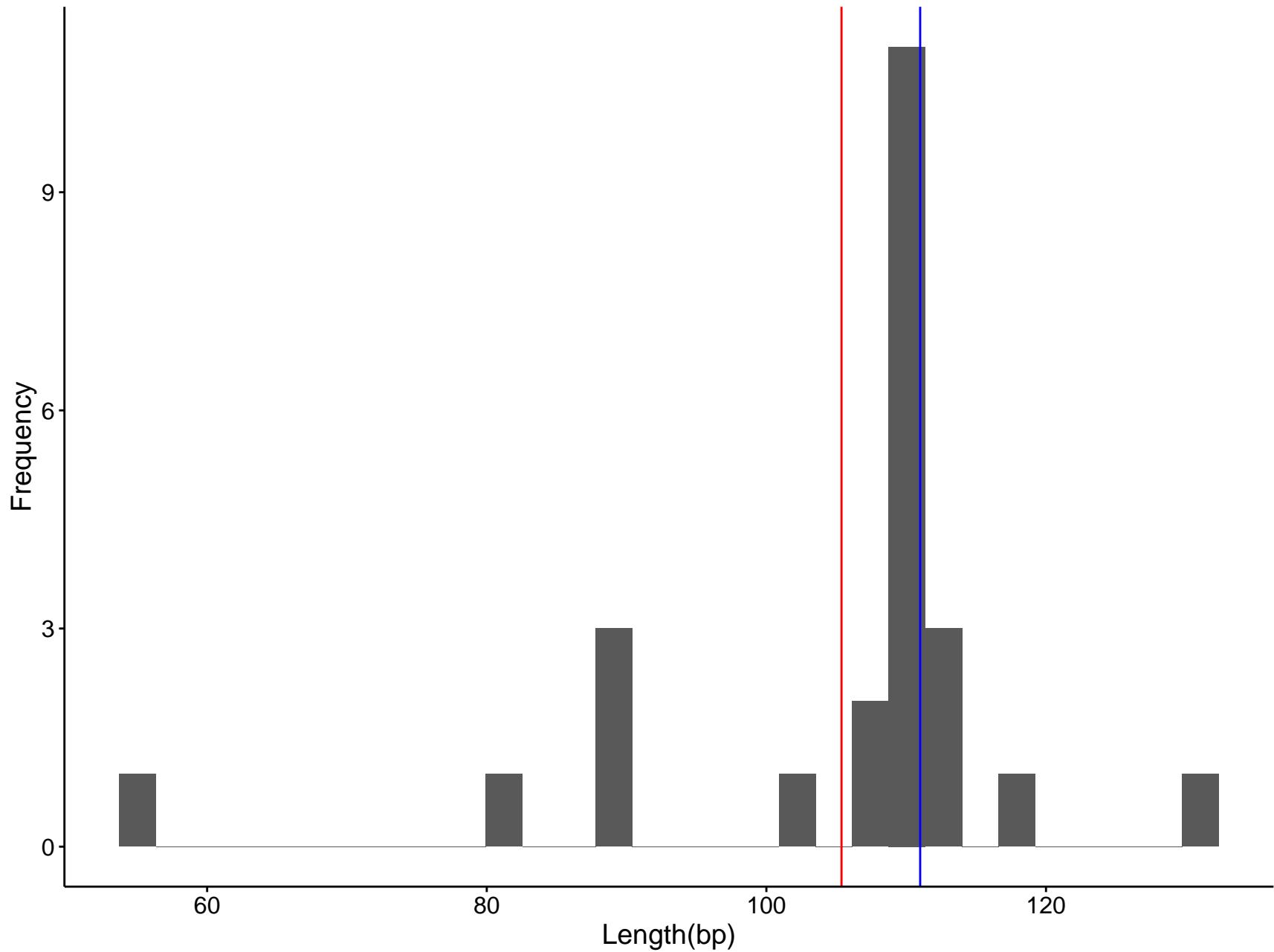
Cluster1220



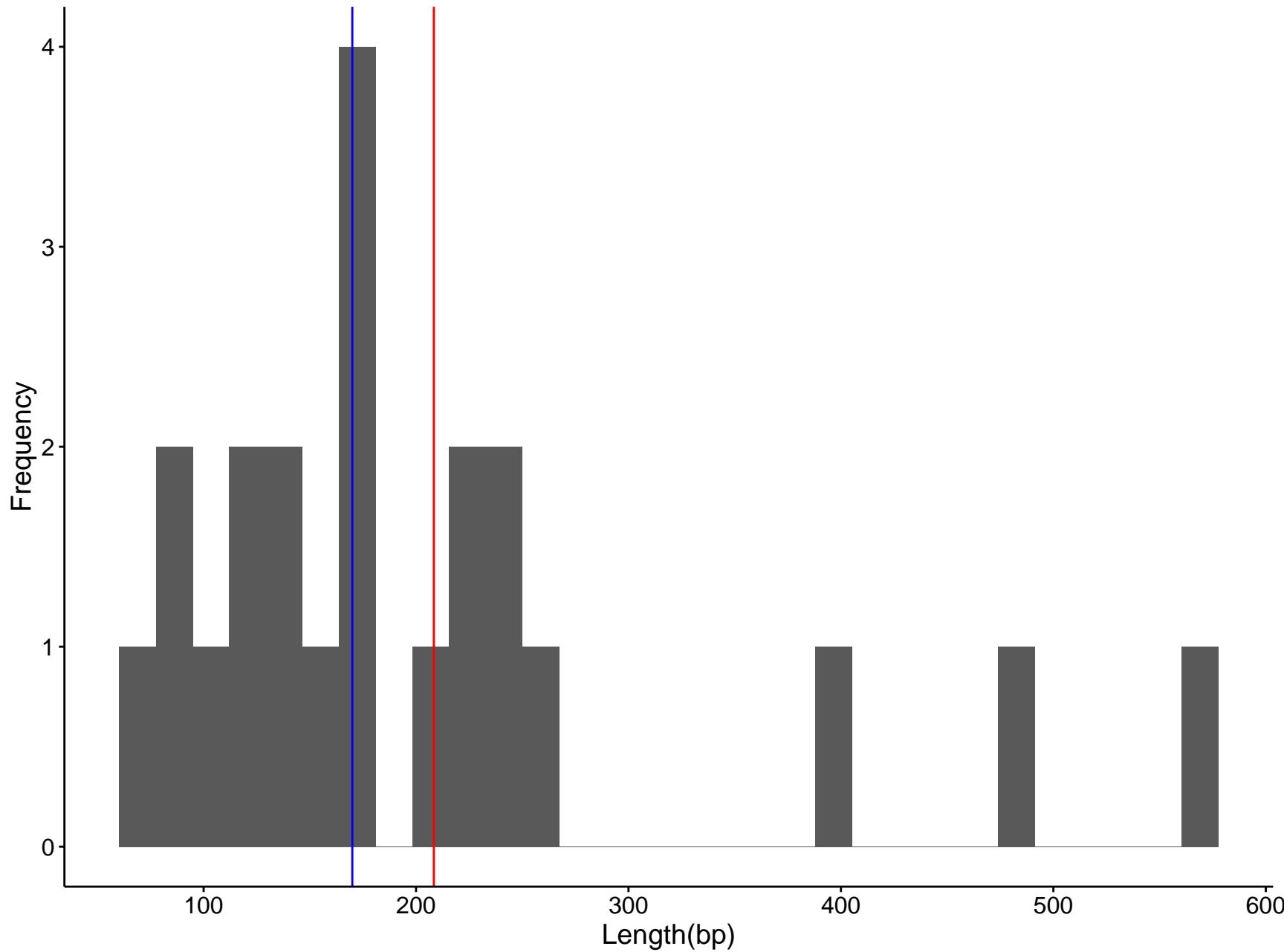
Cluster1221



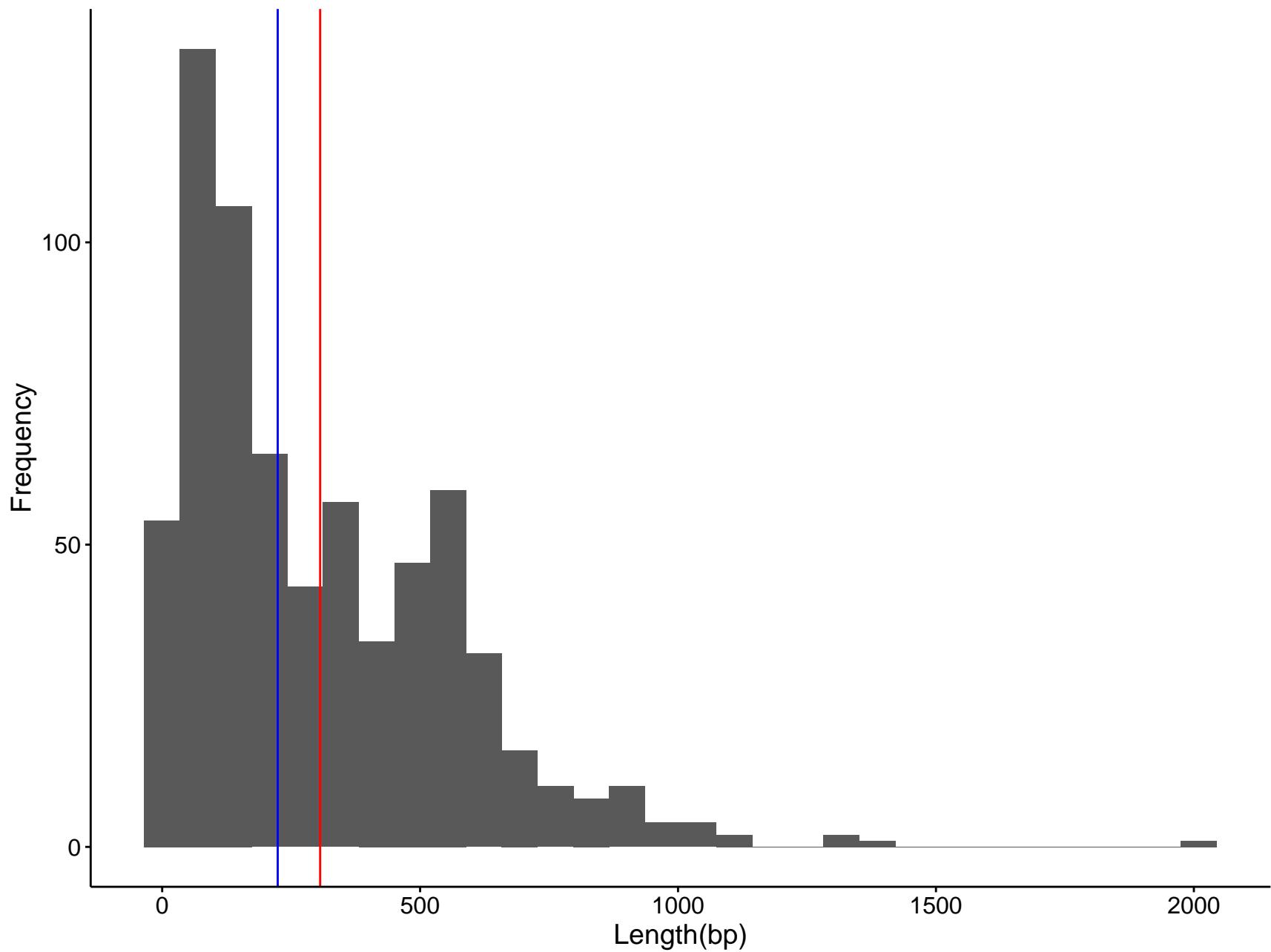
Cluster1222



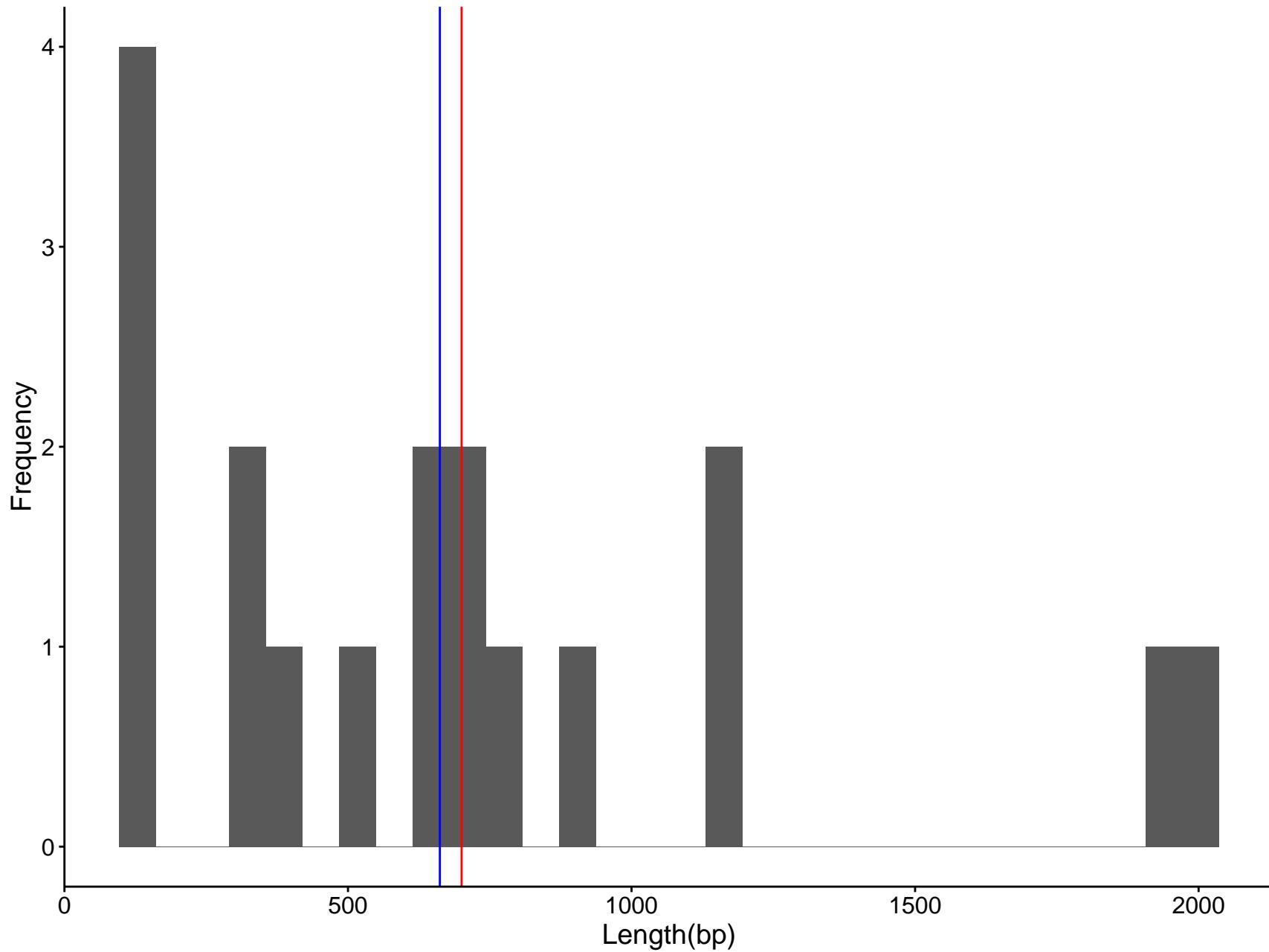
Cluster1224



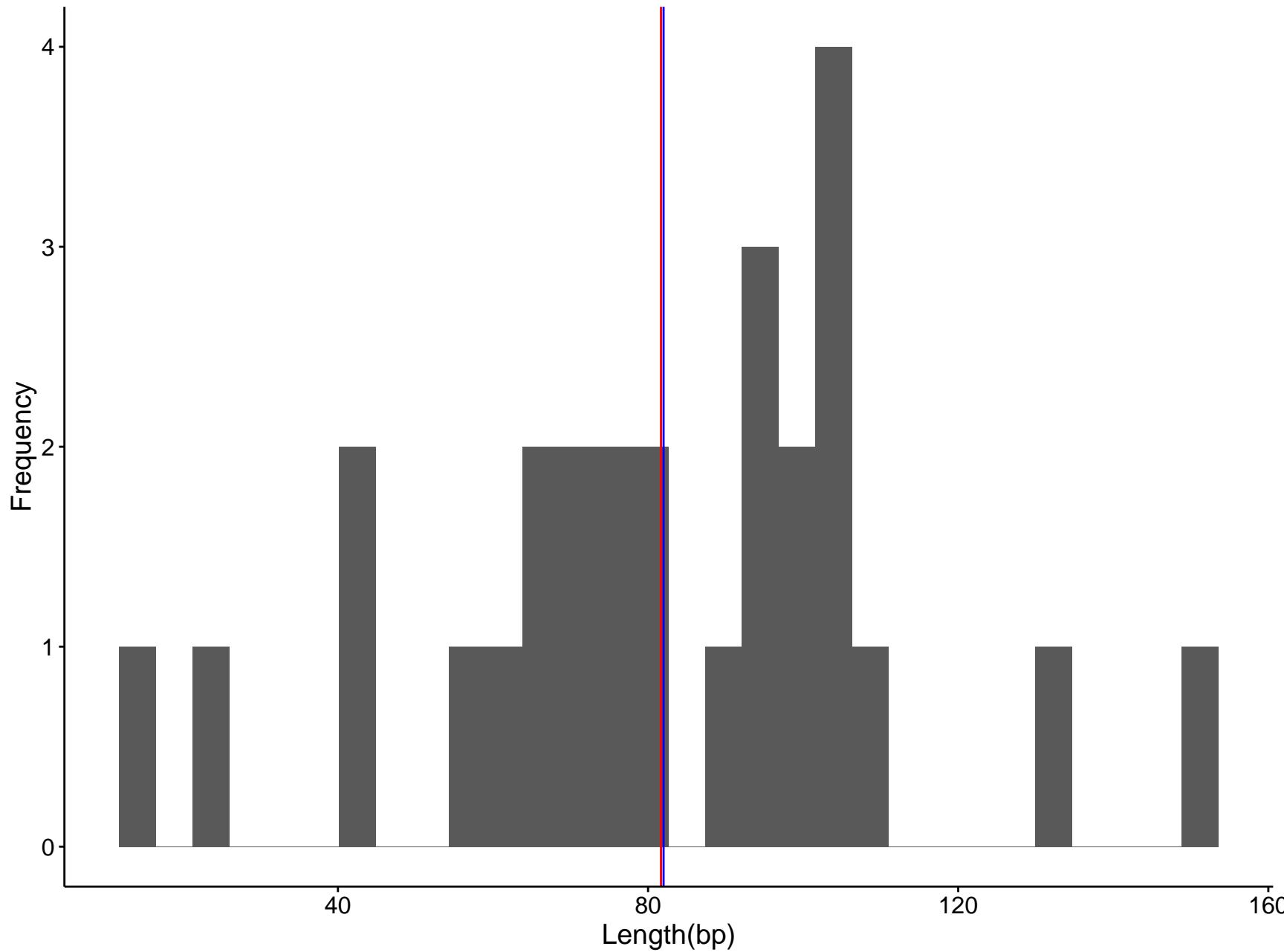
Cluster1226



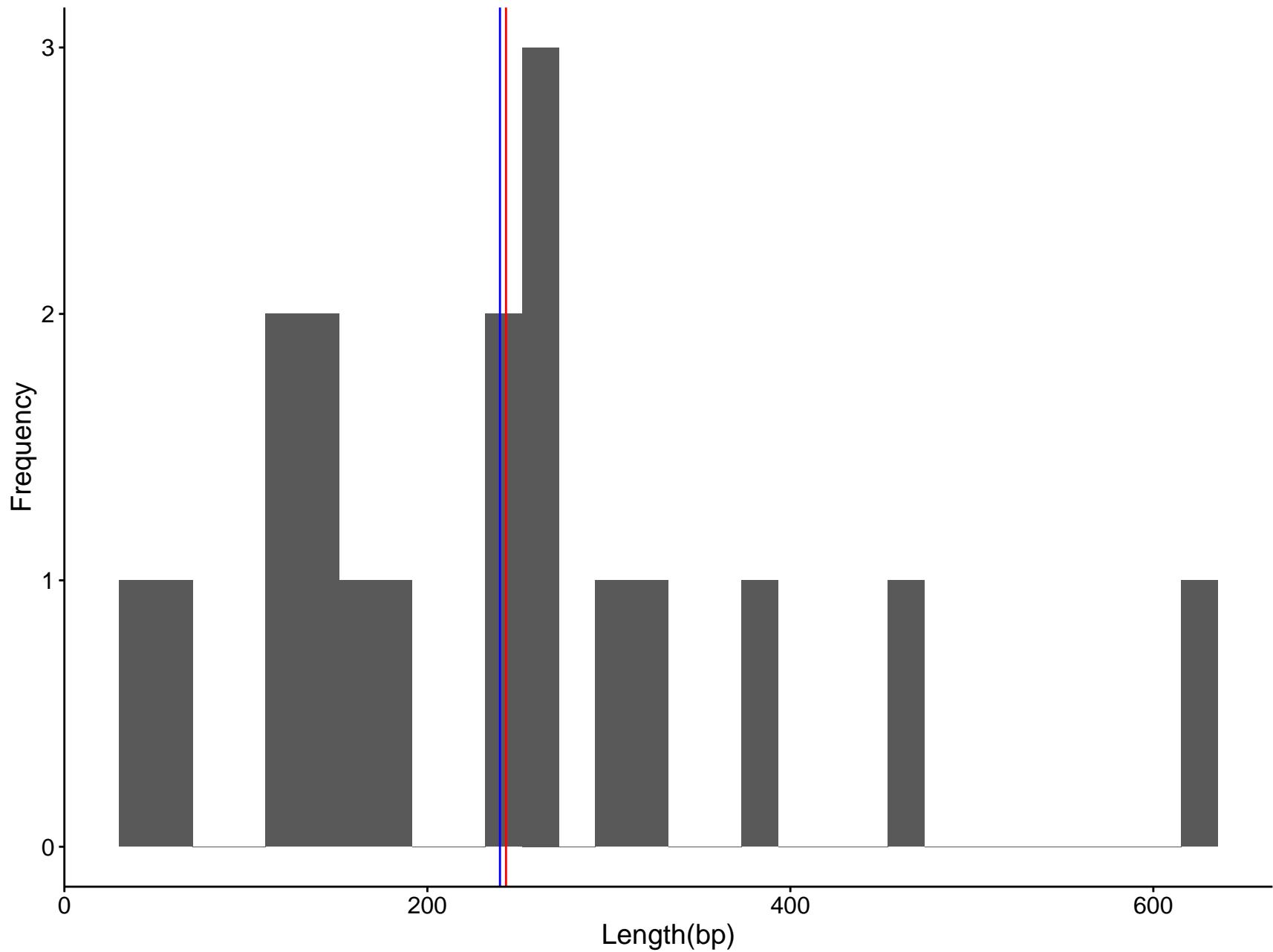
Cluster1227



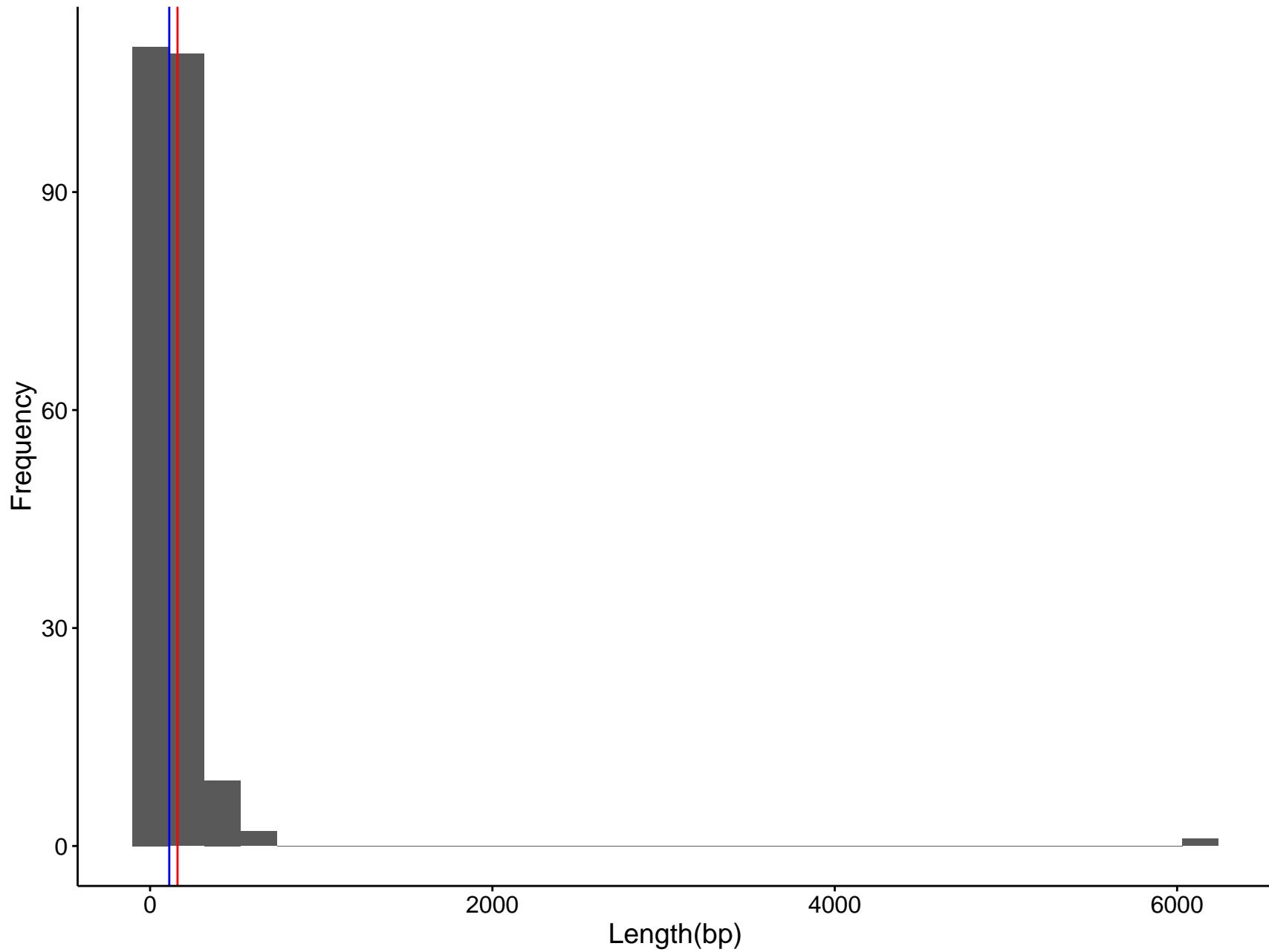
Cluster1228



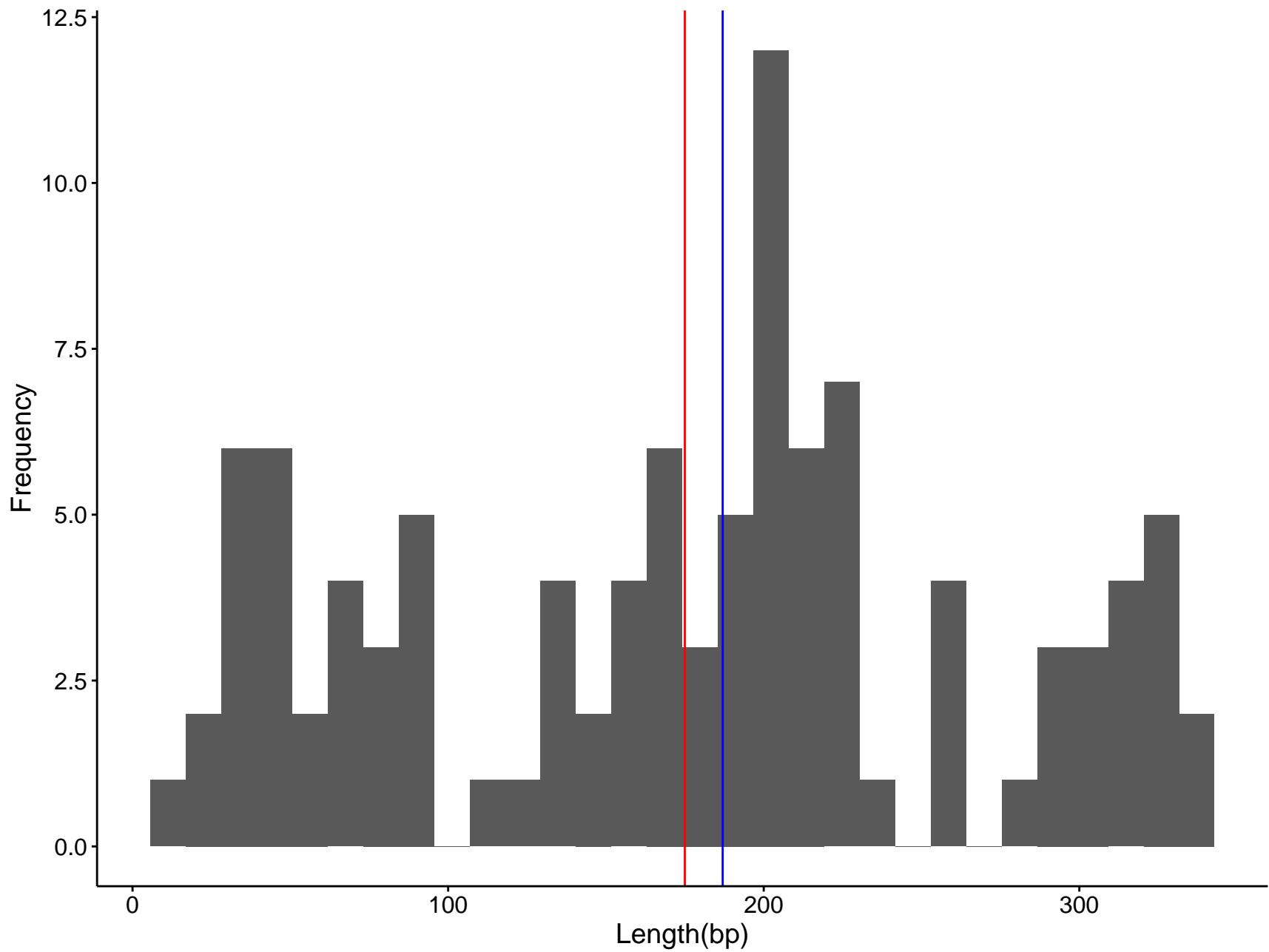
Cluster1229



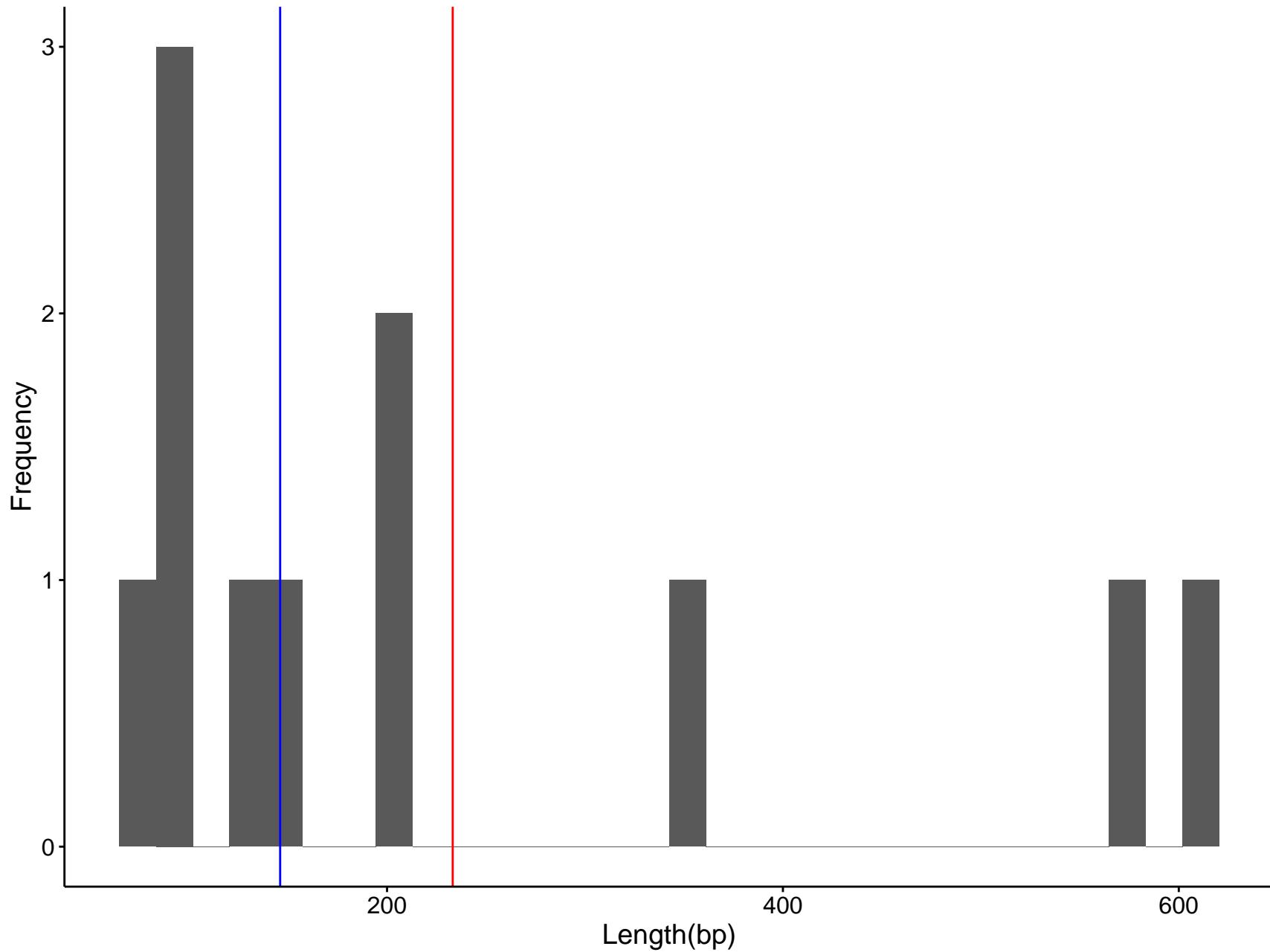
Cluster122



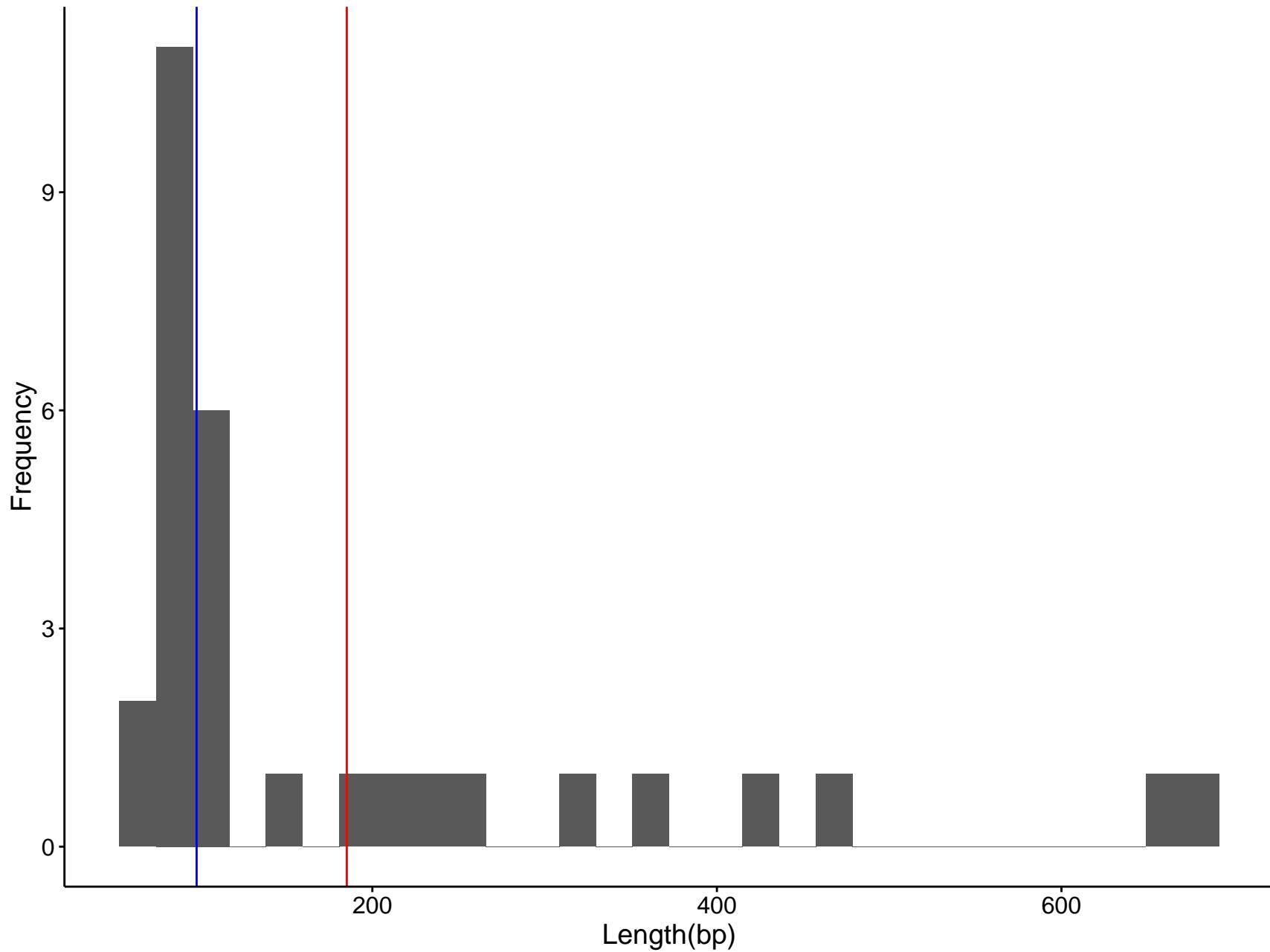
Cluster1230



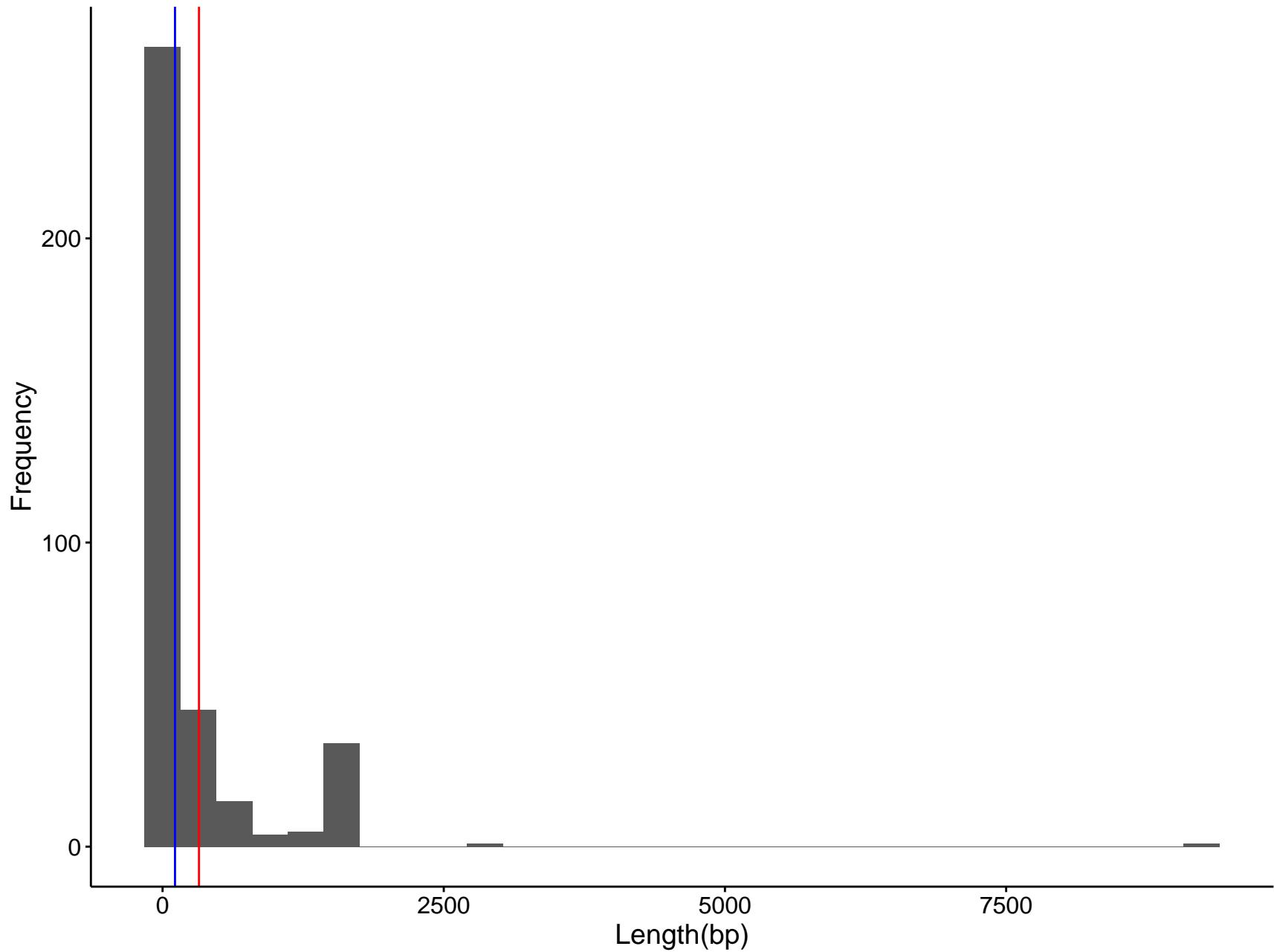
Cluster1232



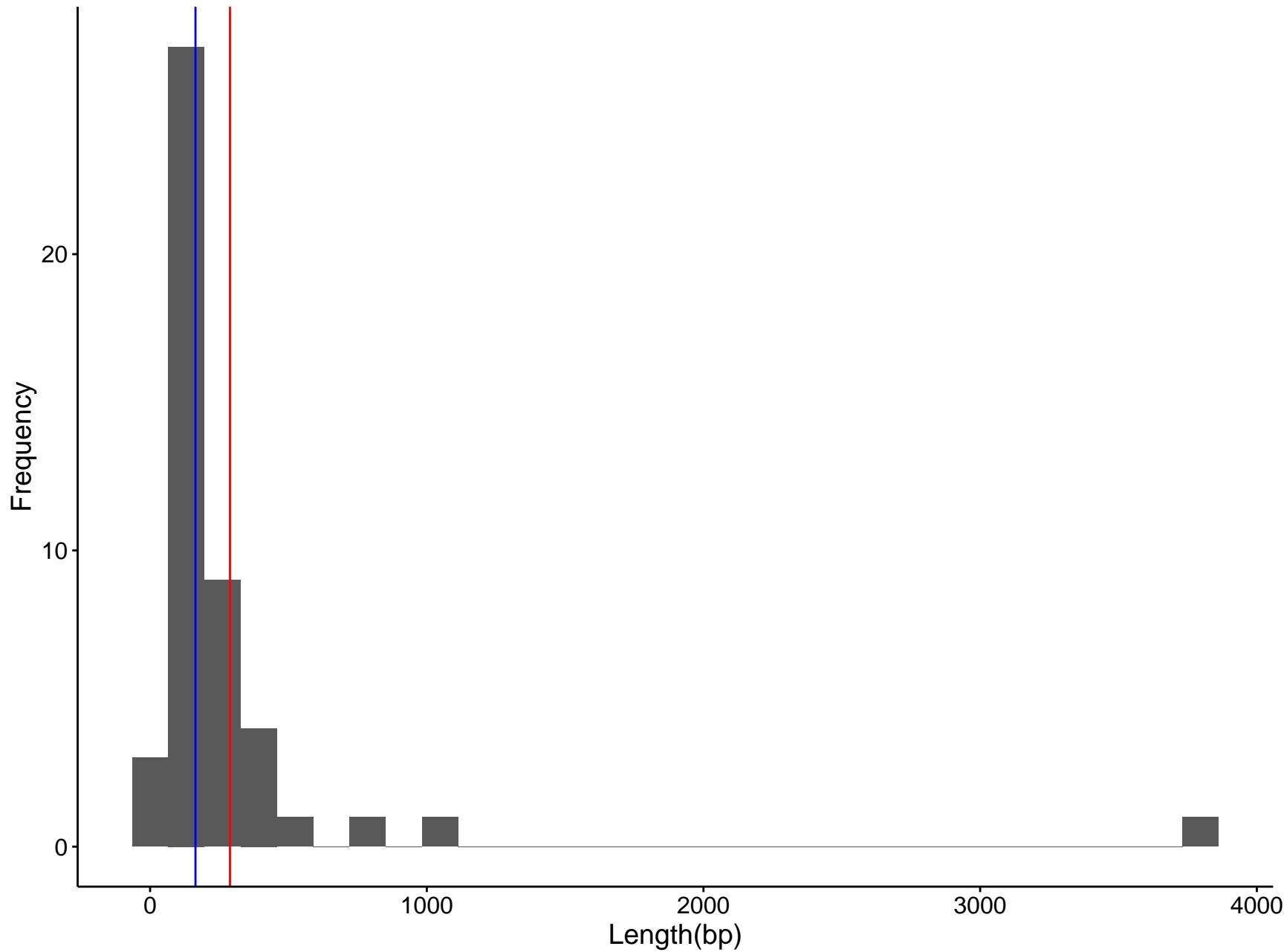
Cluster1233



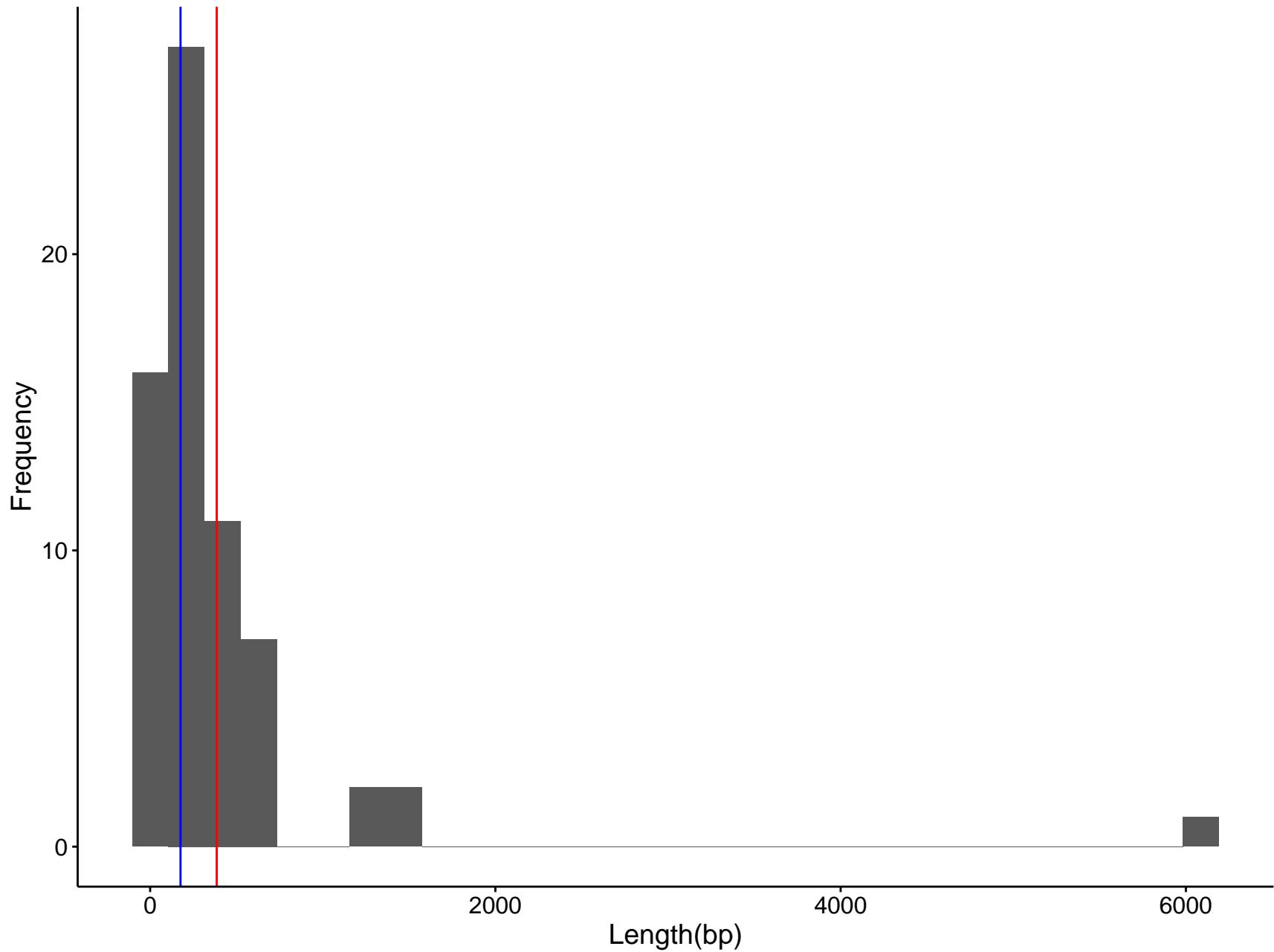
Cluster1234



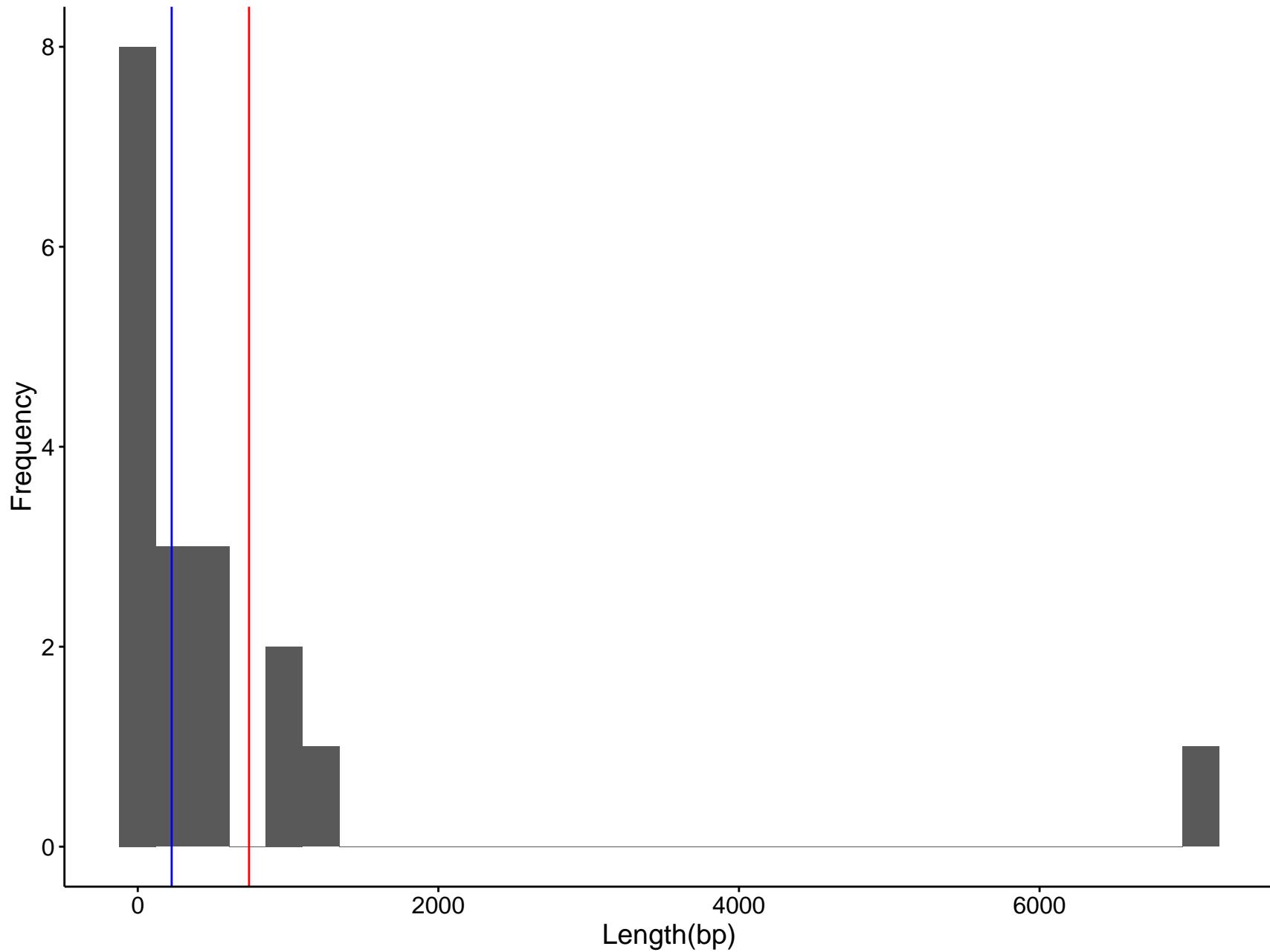
Cluster1235



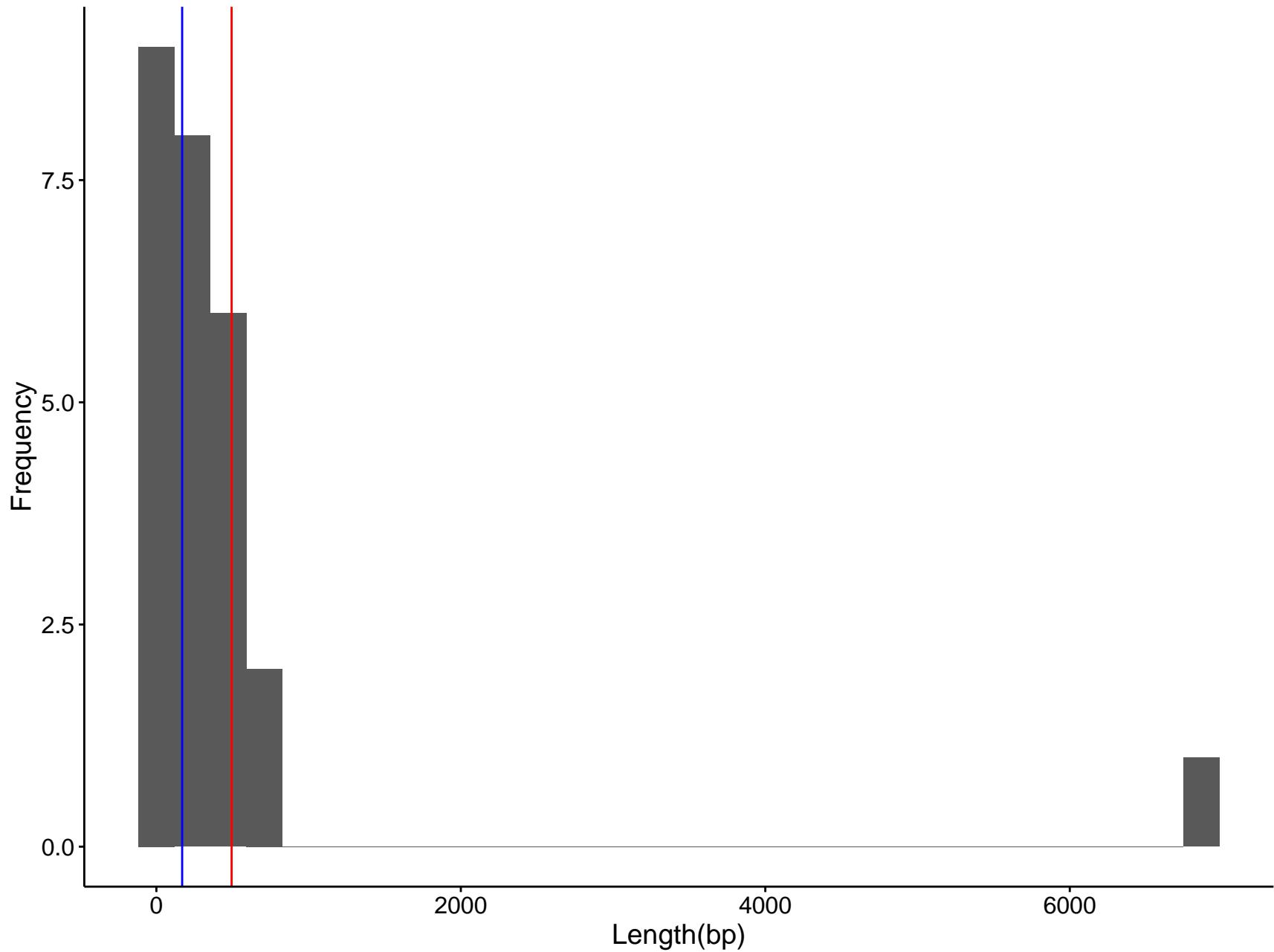
Cluster1236



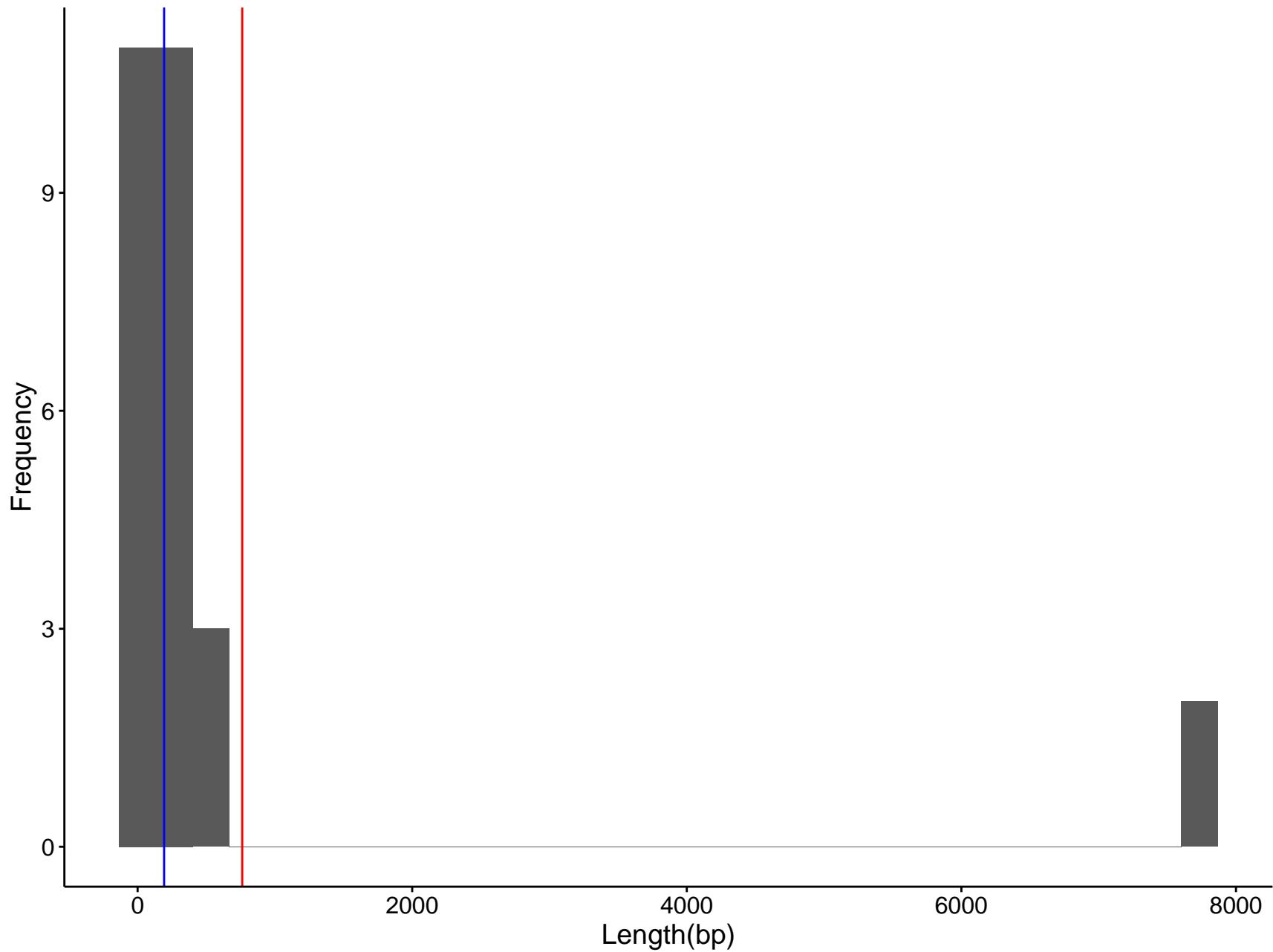
Cluster1237



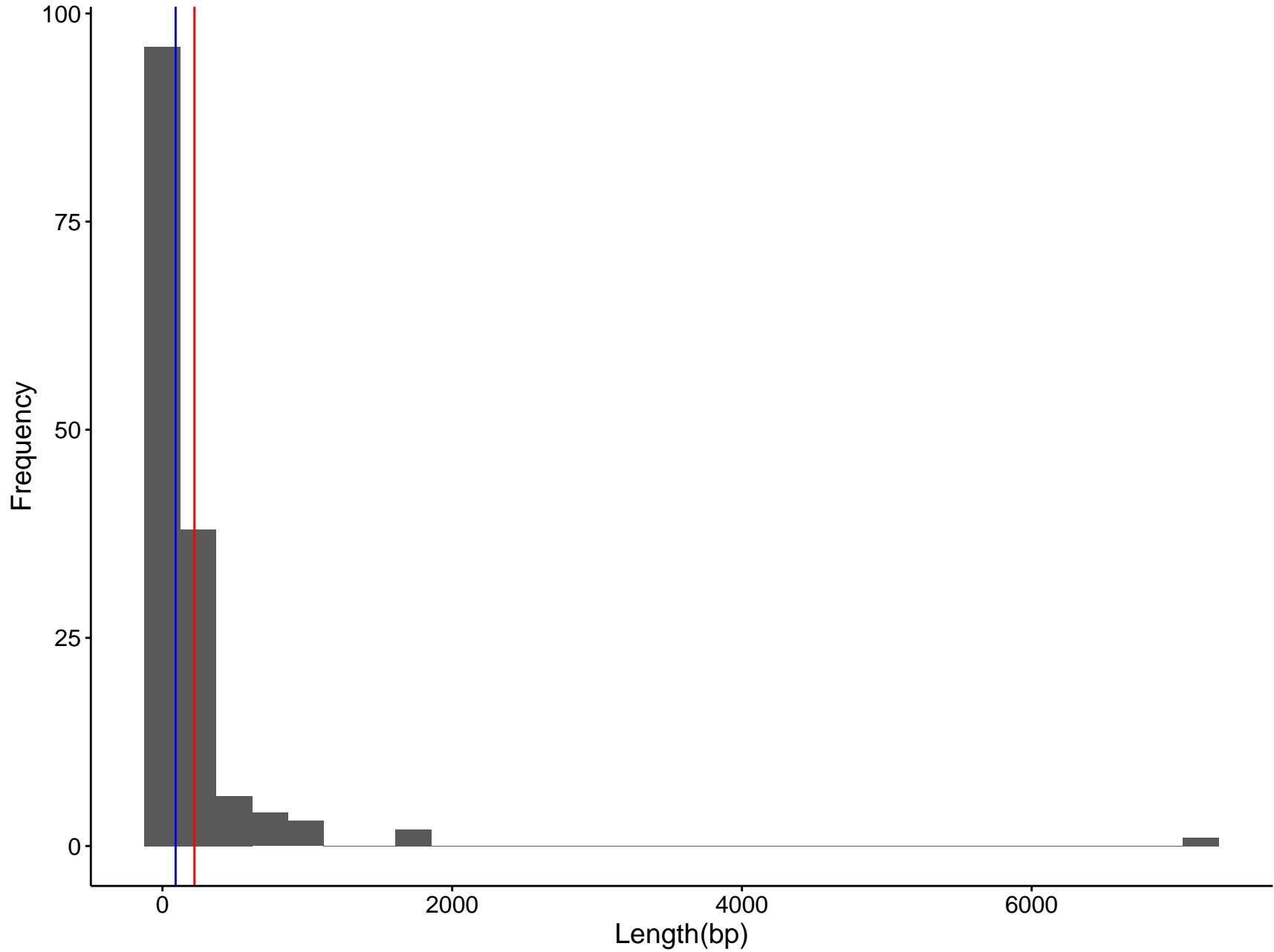
Cluster1238



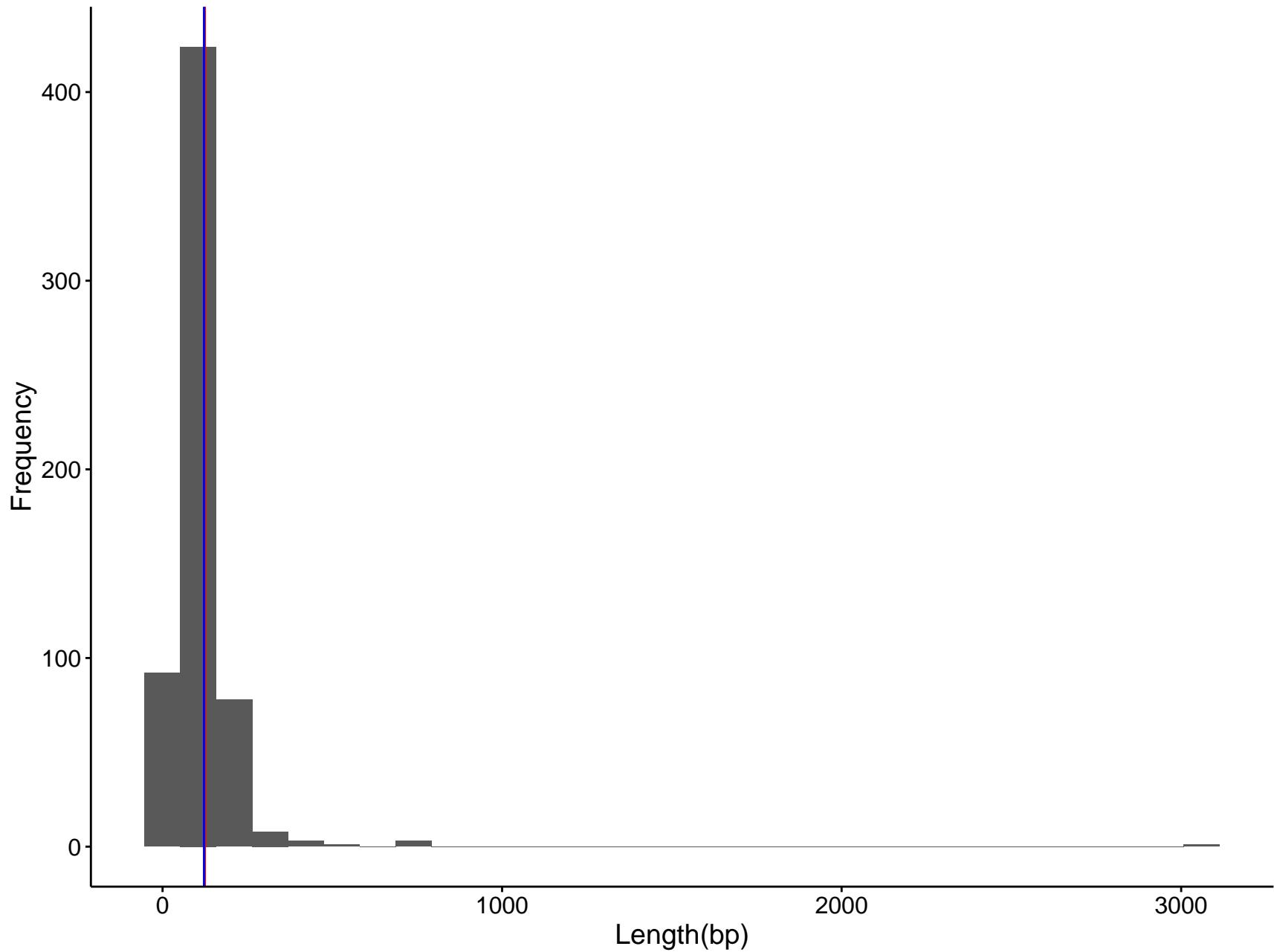
Cluster1239



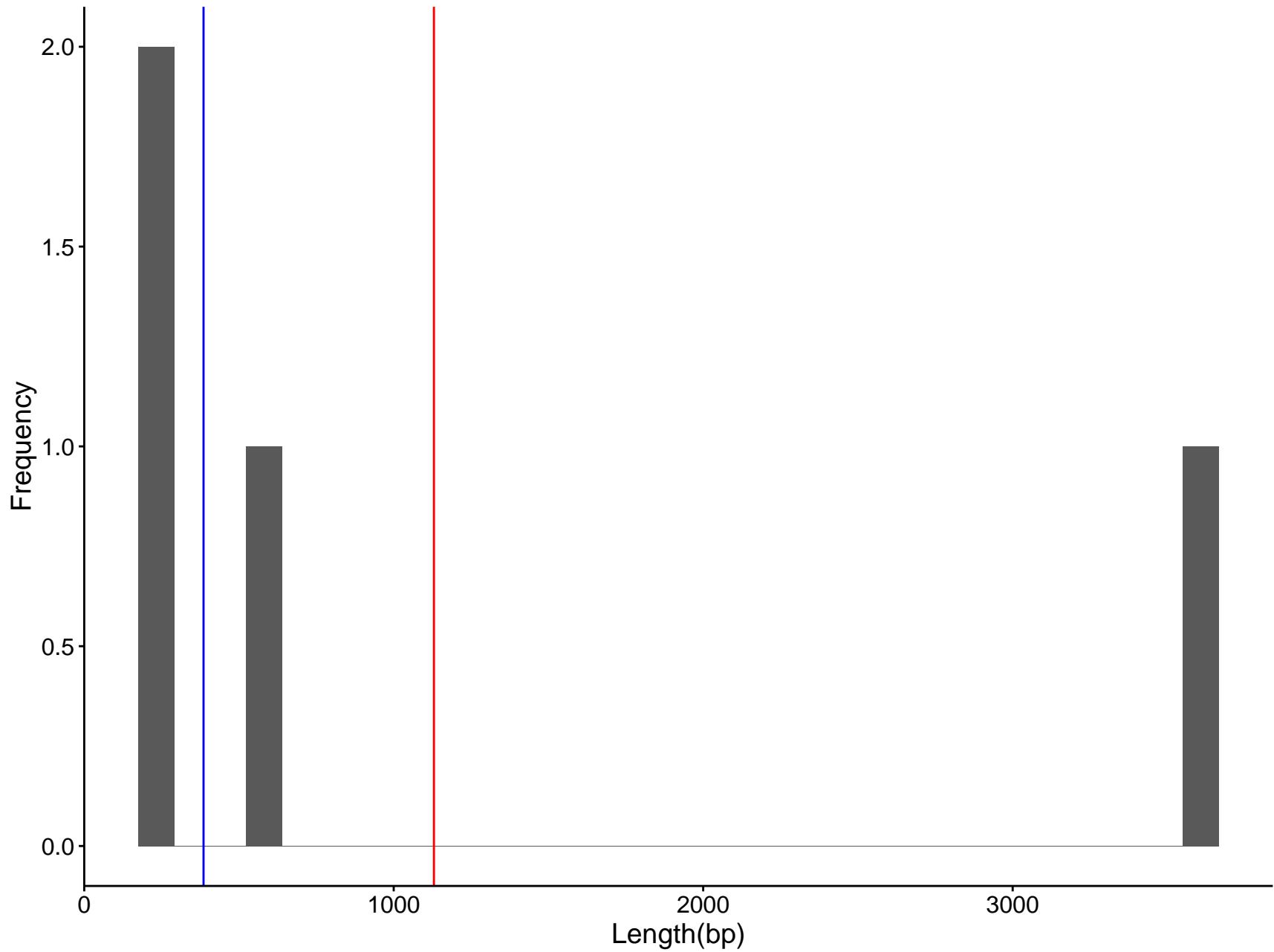
Cluster1240



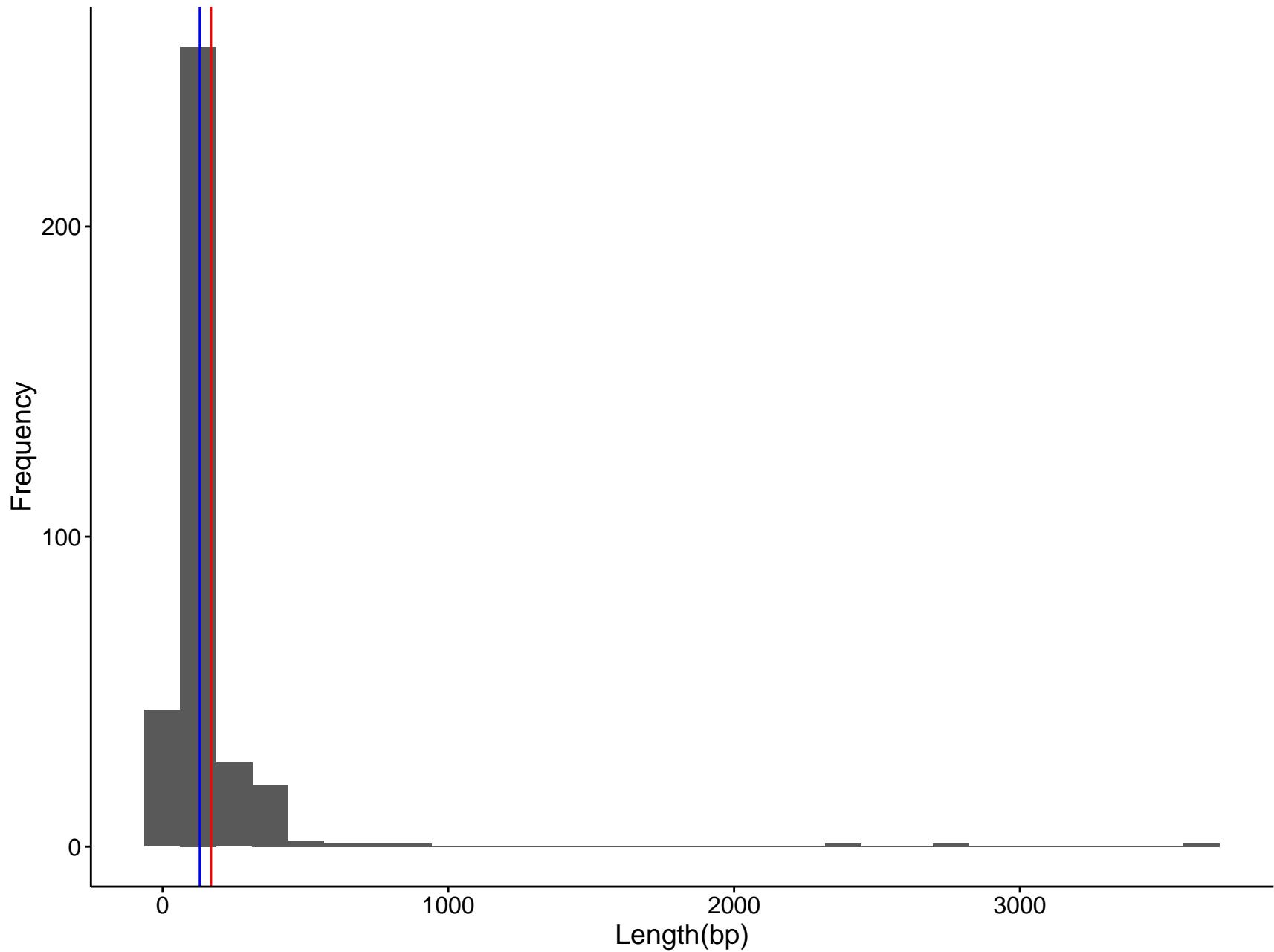
Cluster1242



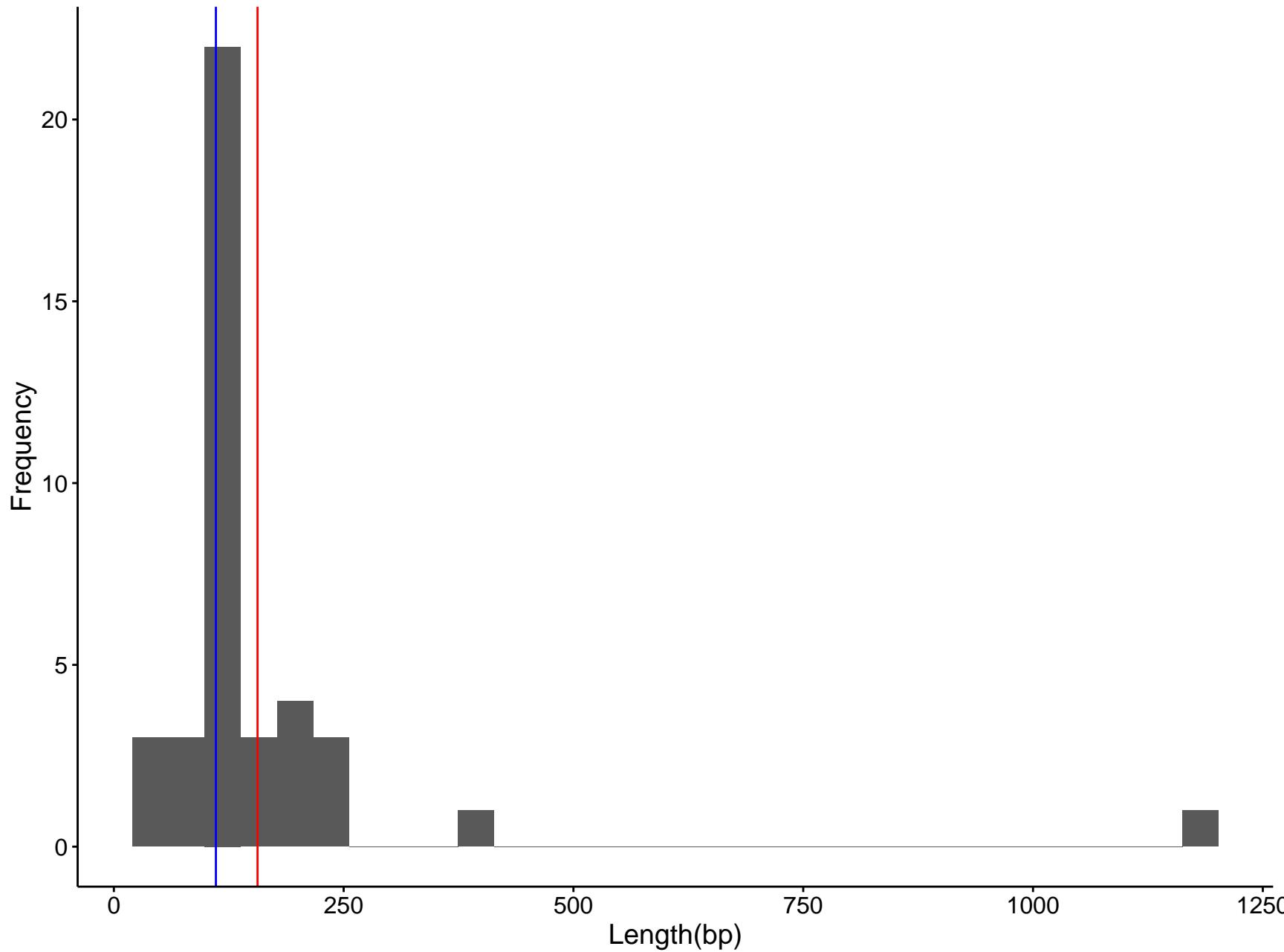
Cluster1243



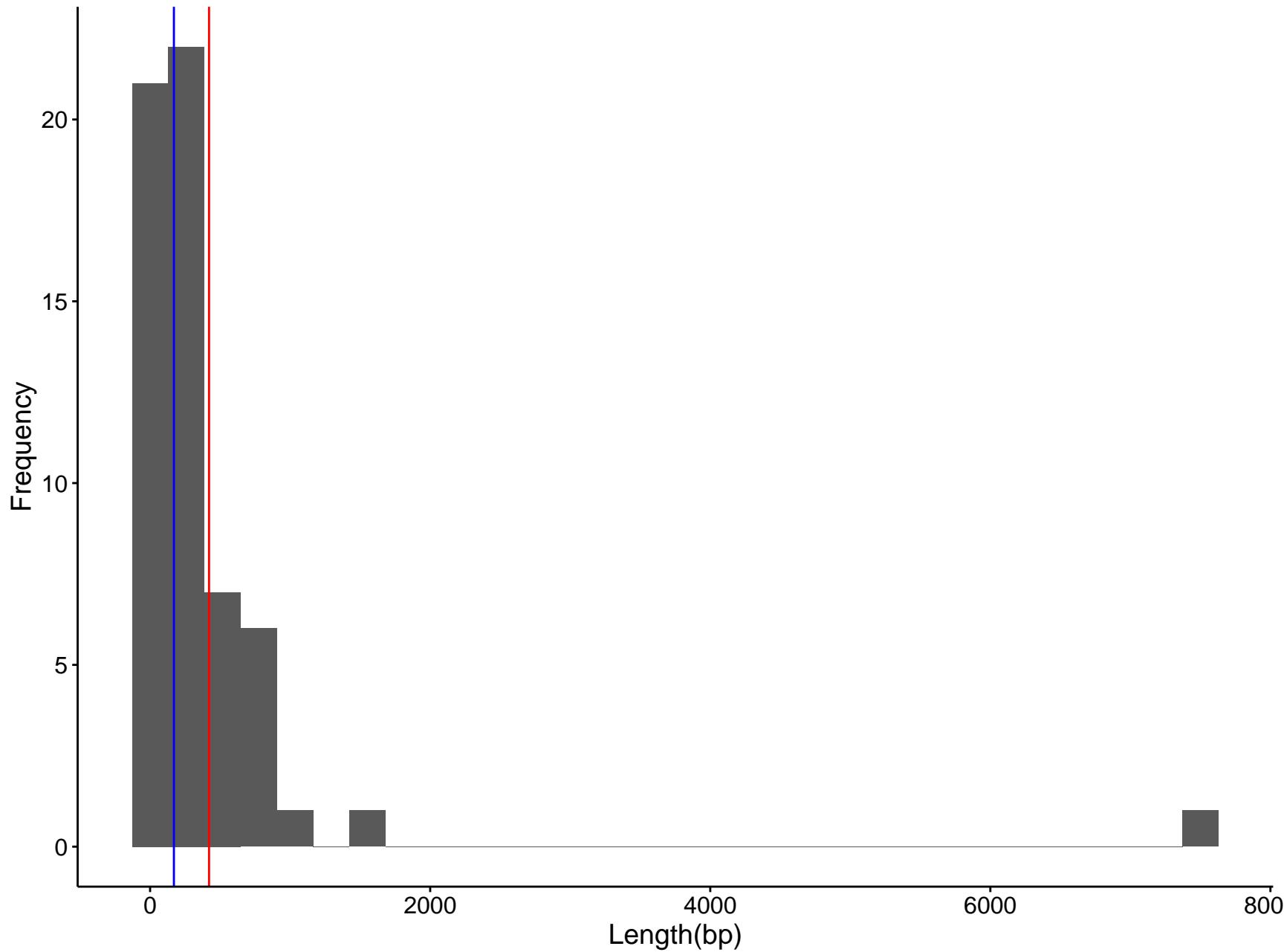
Cluster1244



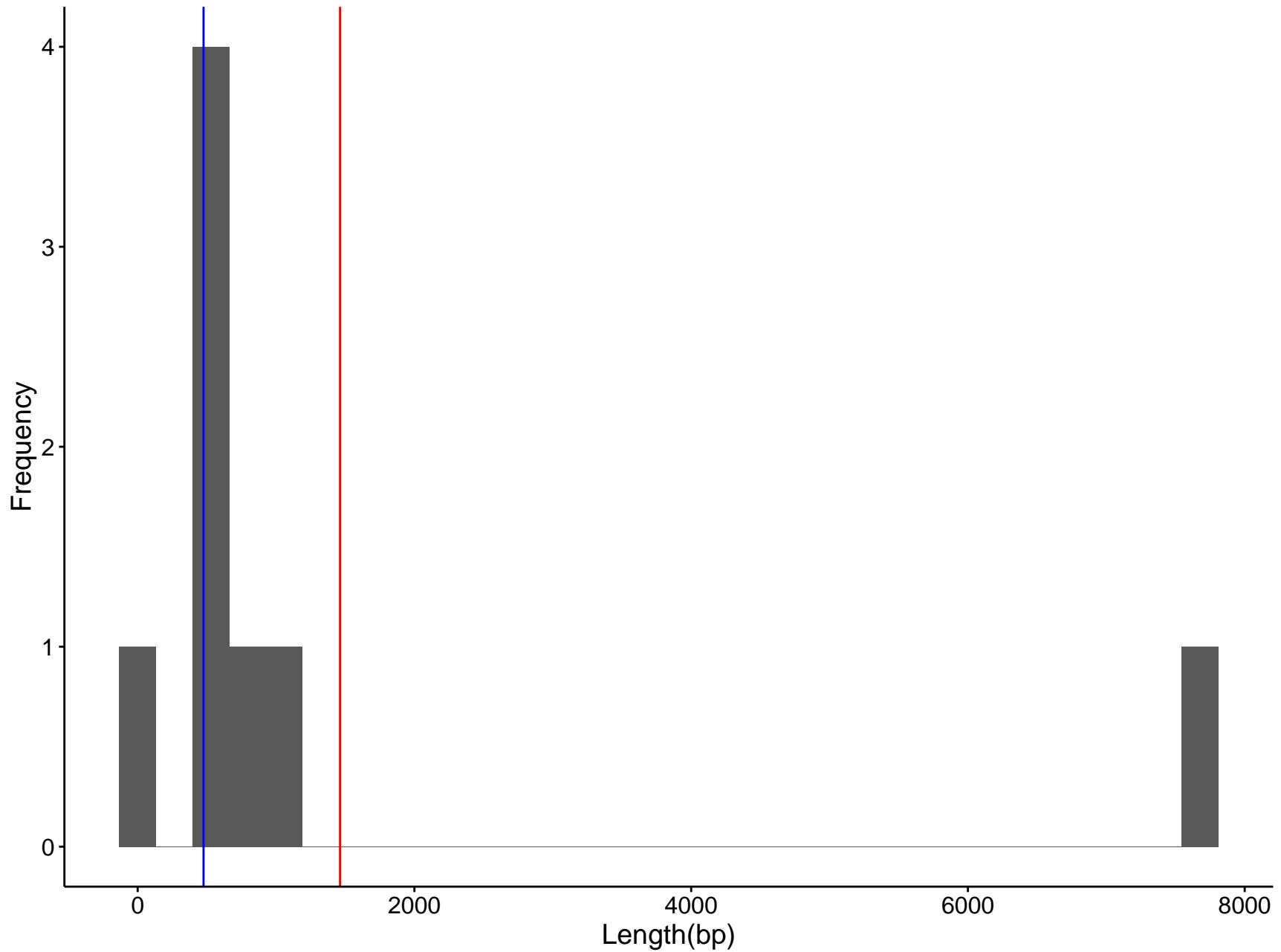
Cluster1245



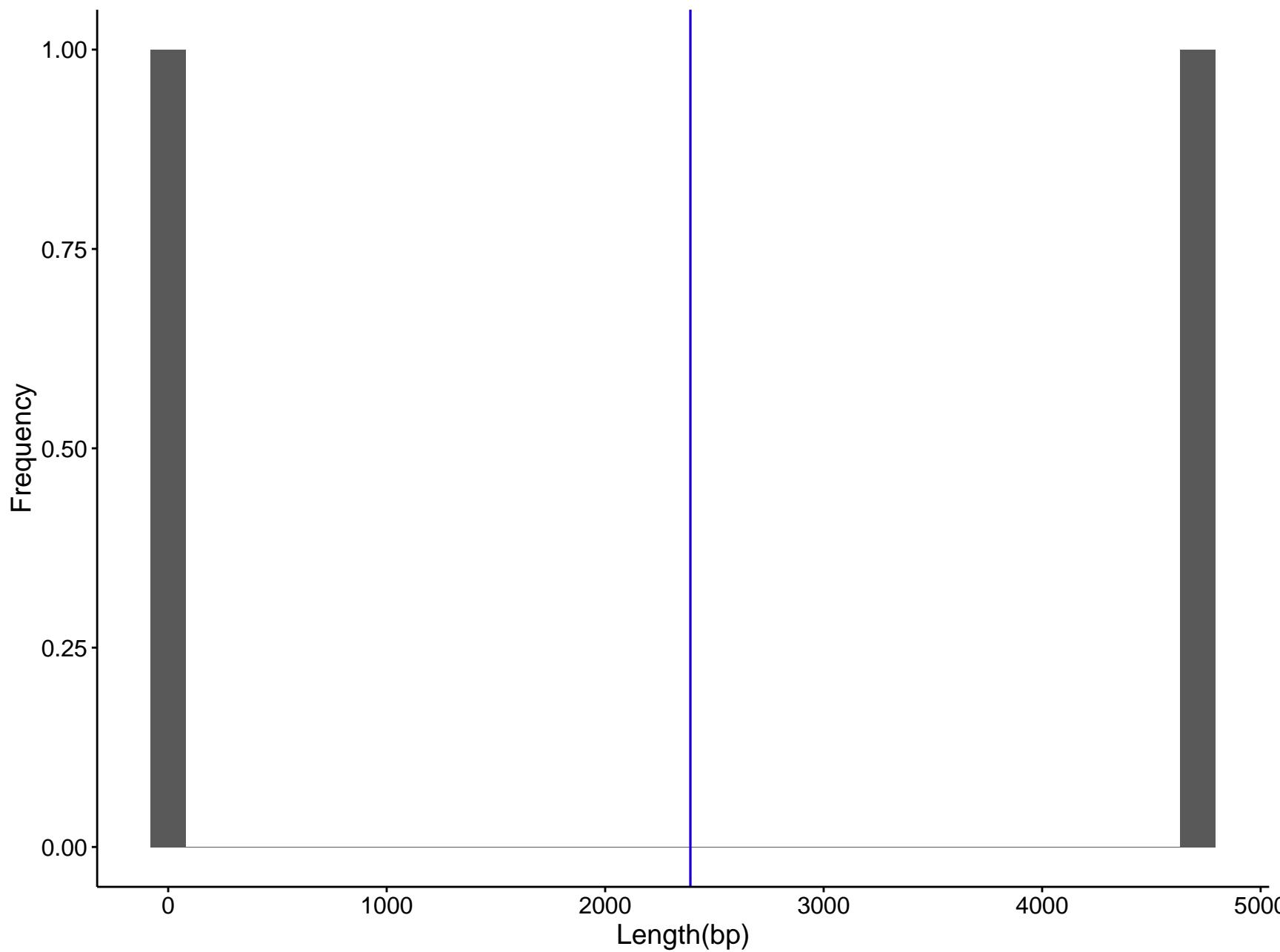
Cluster1246



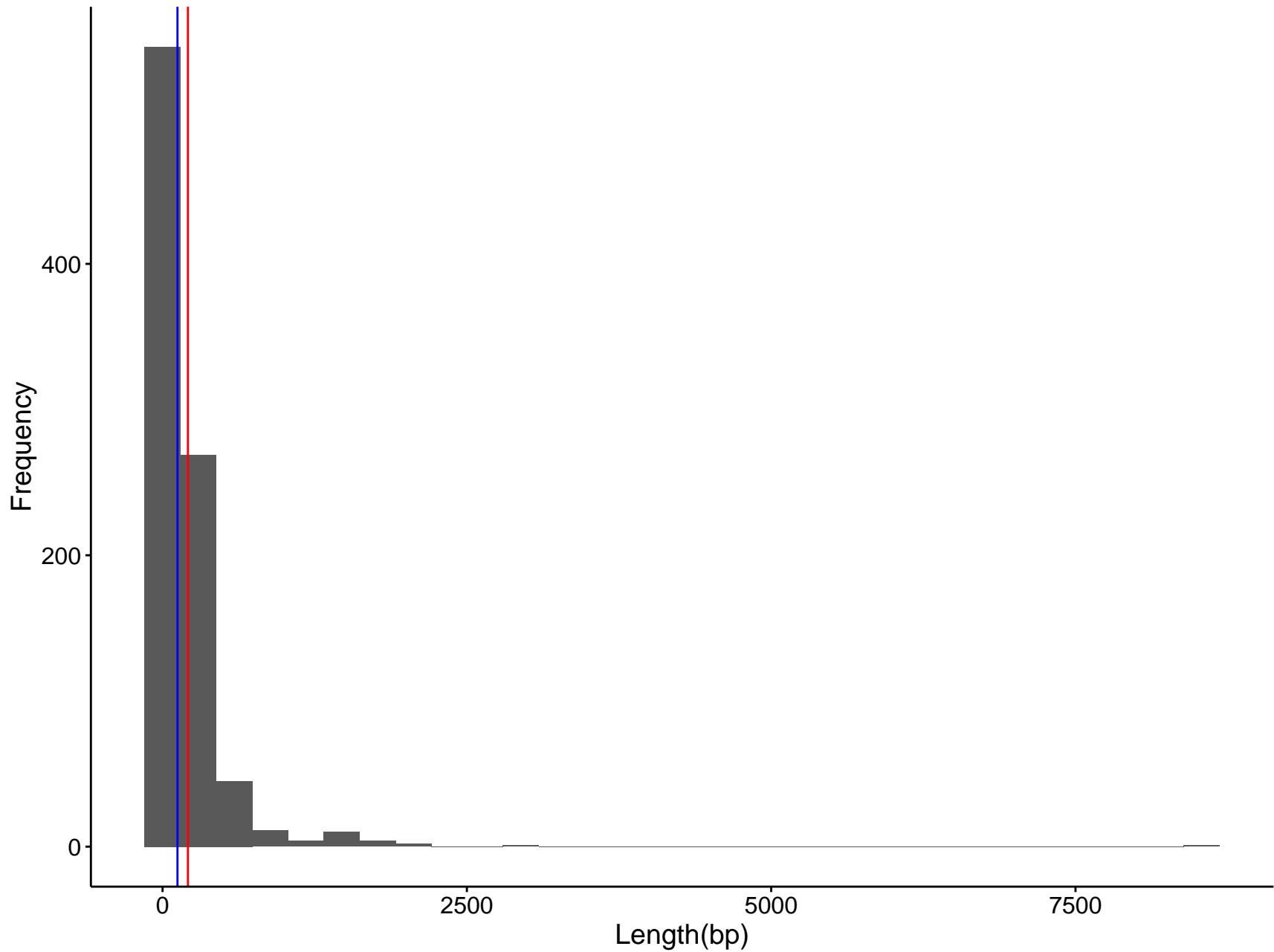
Cluster1247



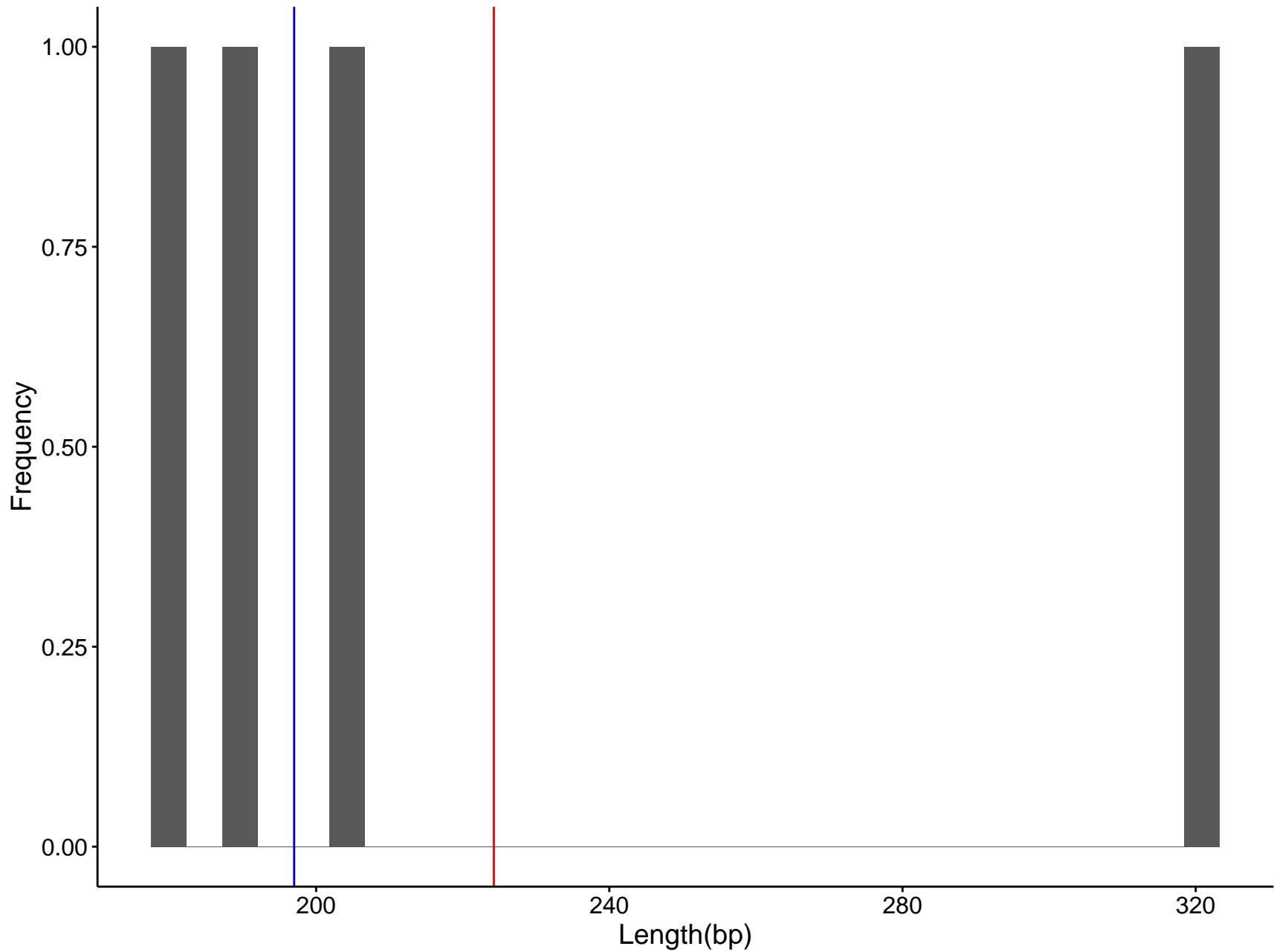
Cluster1248



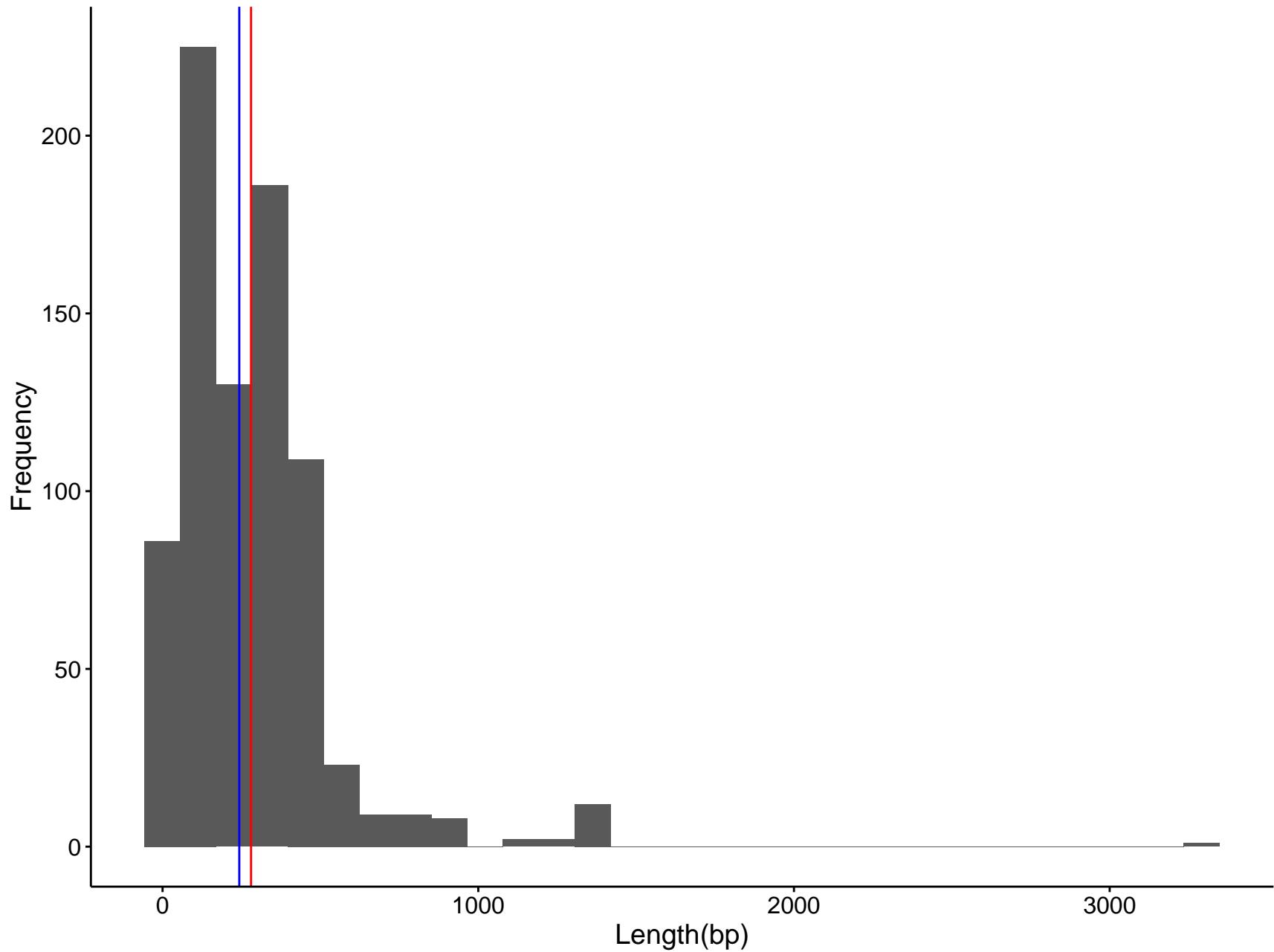
Cluster1249



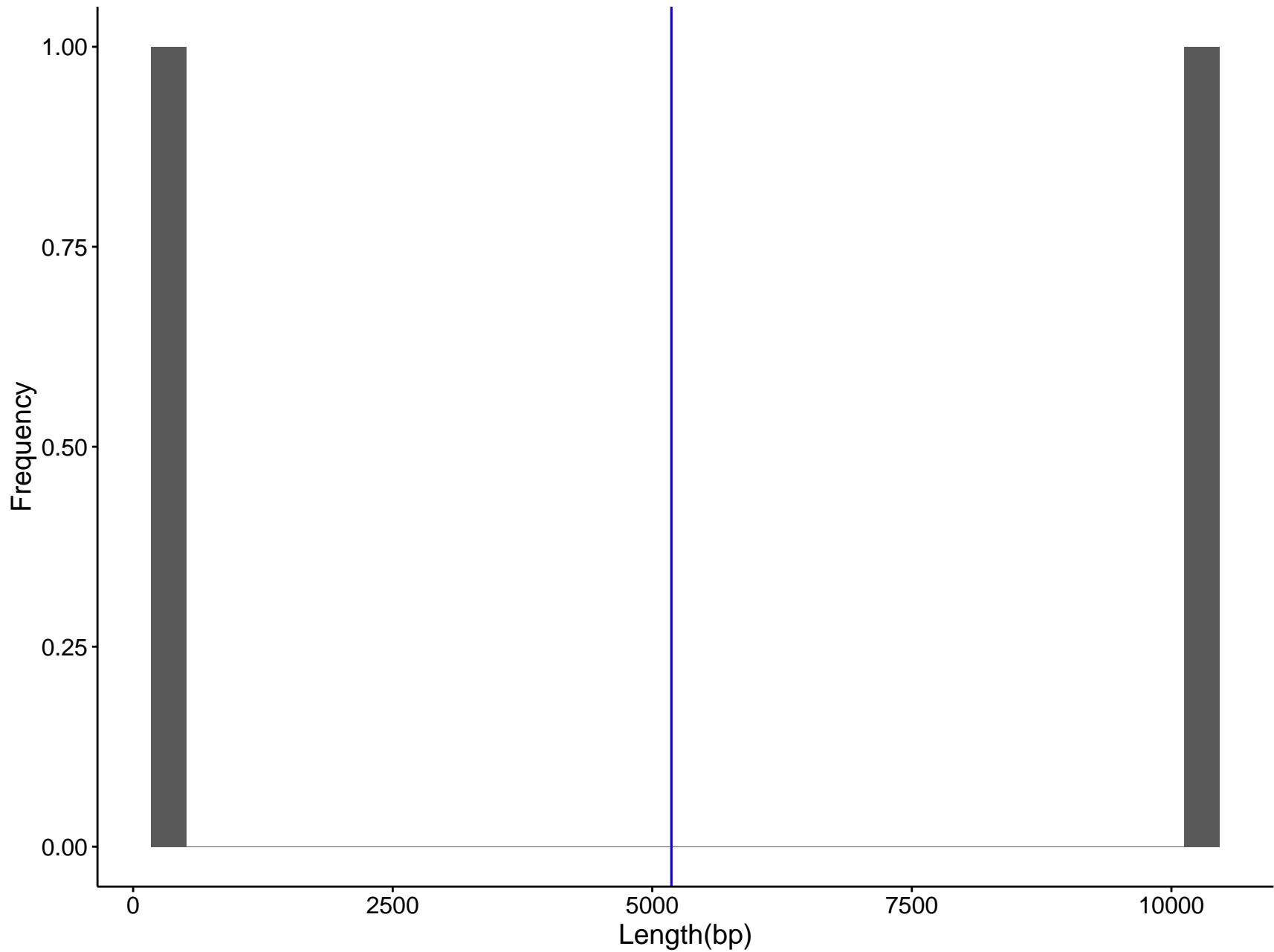
Cluster124



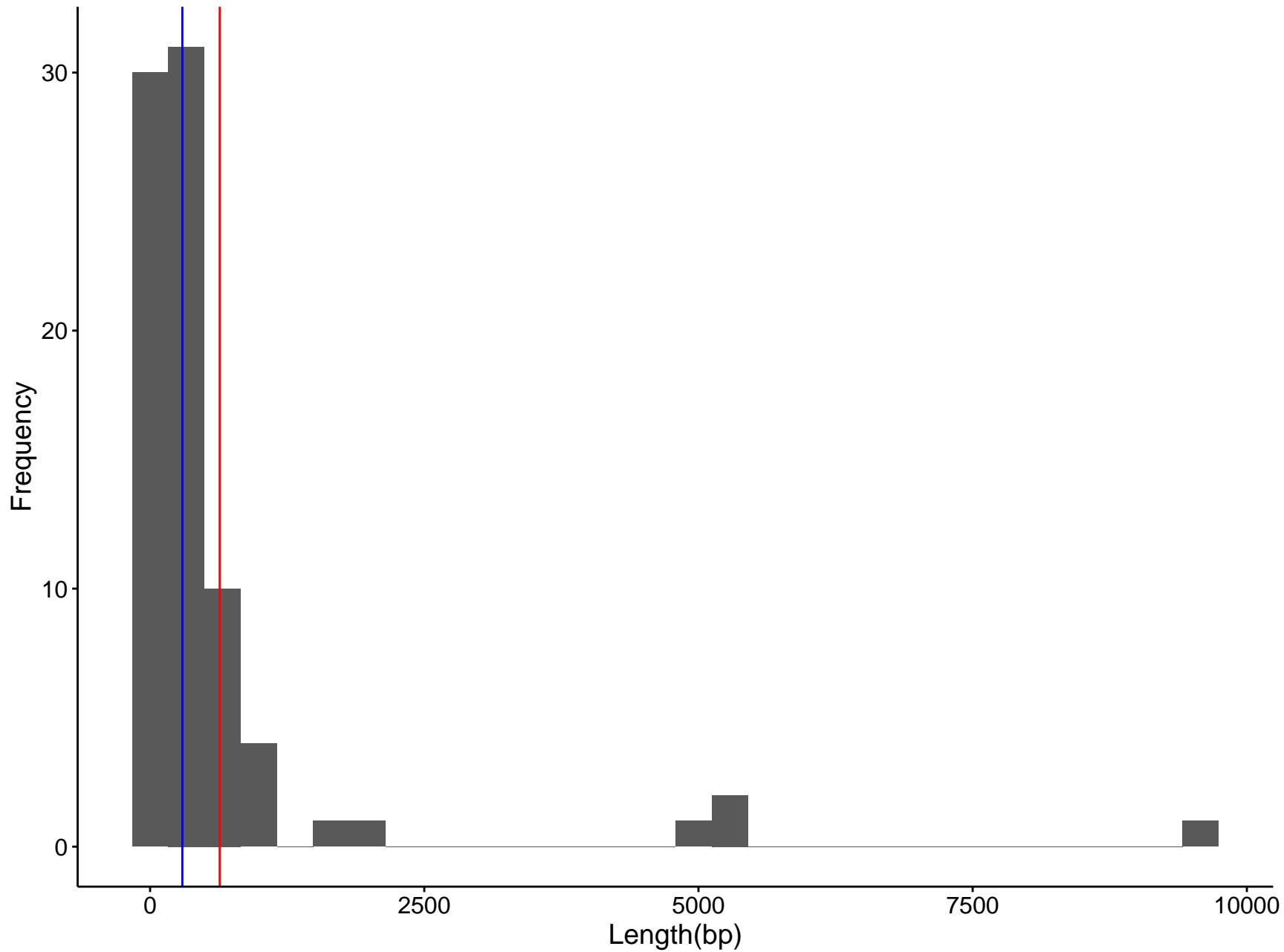
Cluster1250



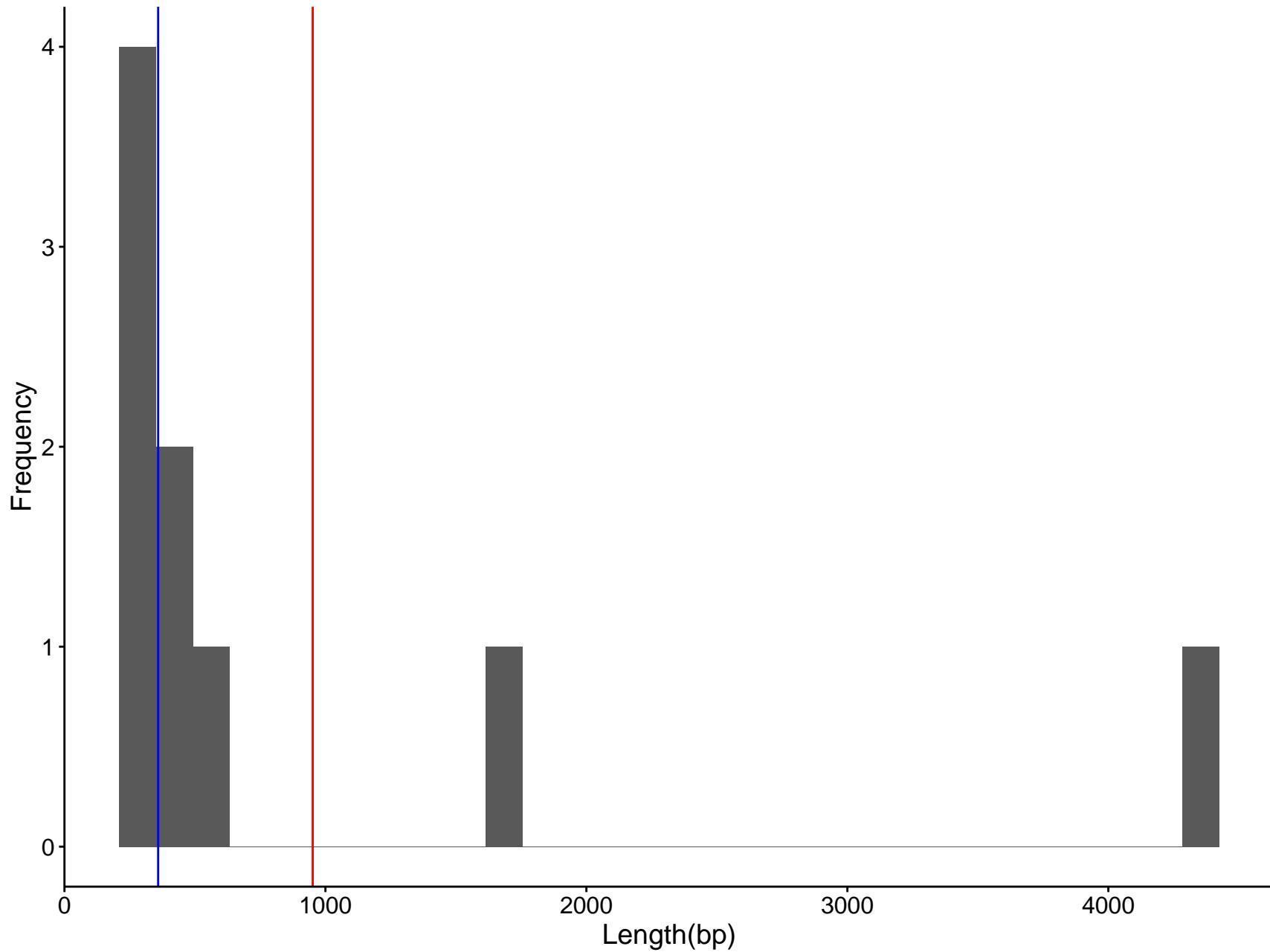
Cluster1251



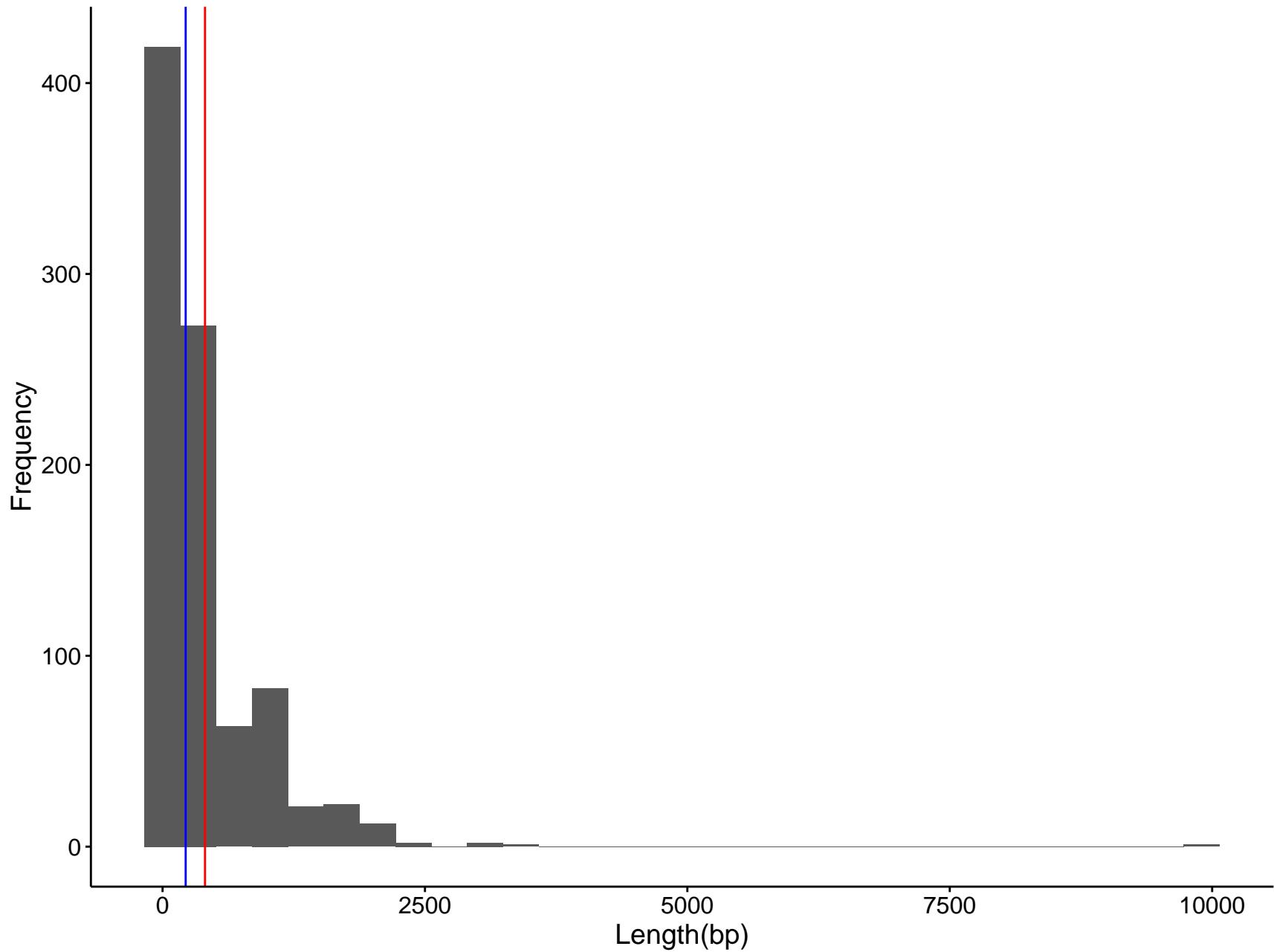
Cluster1252



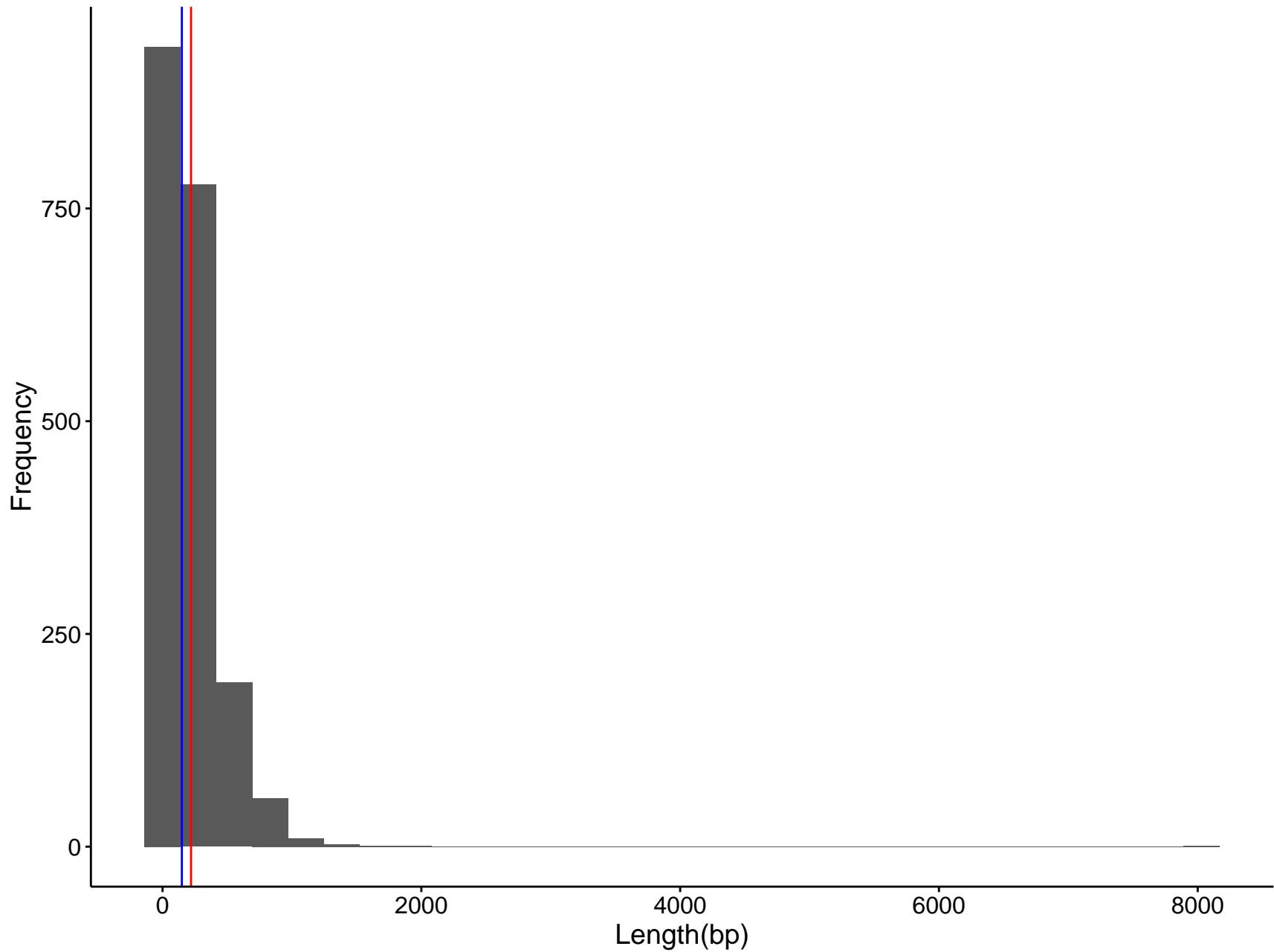
Cluster1253



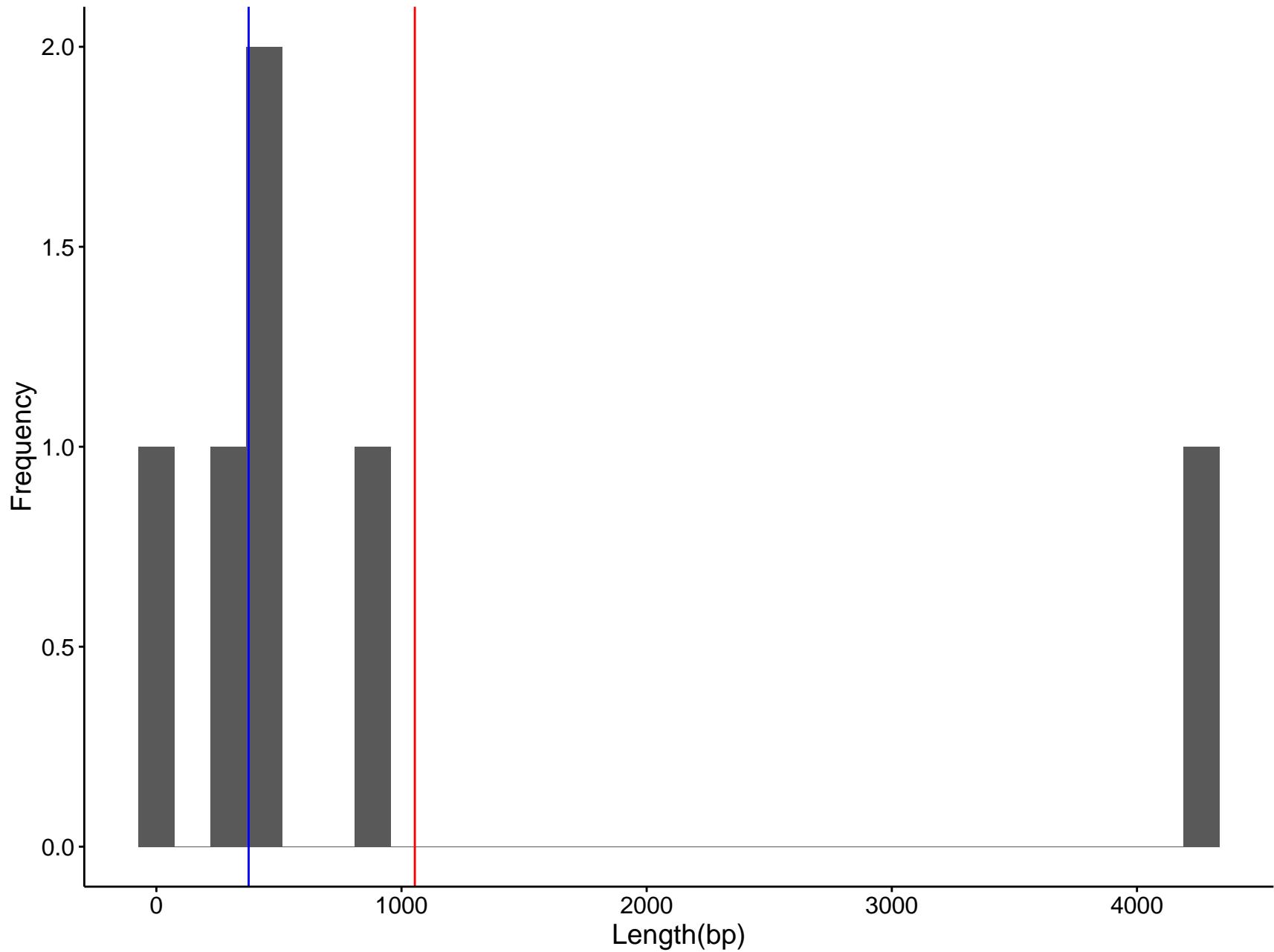
Cluster1254



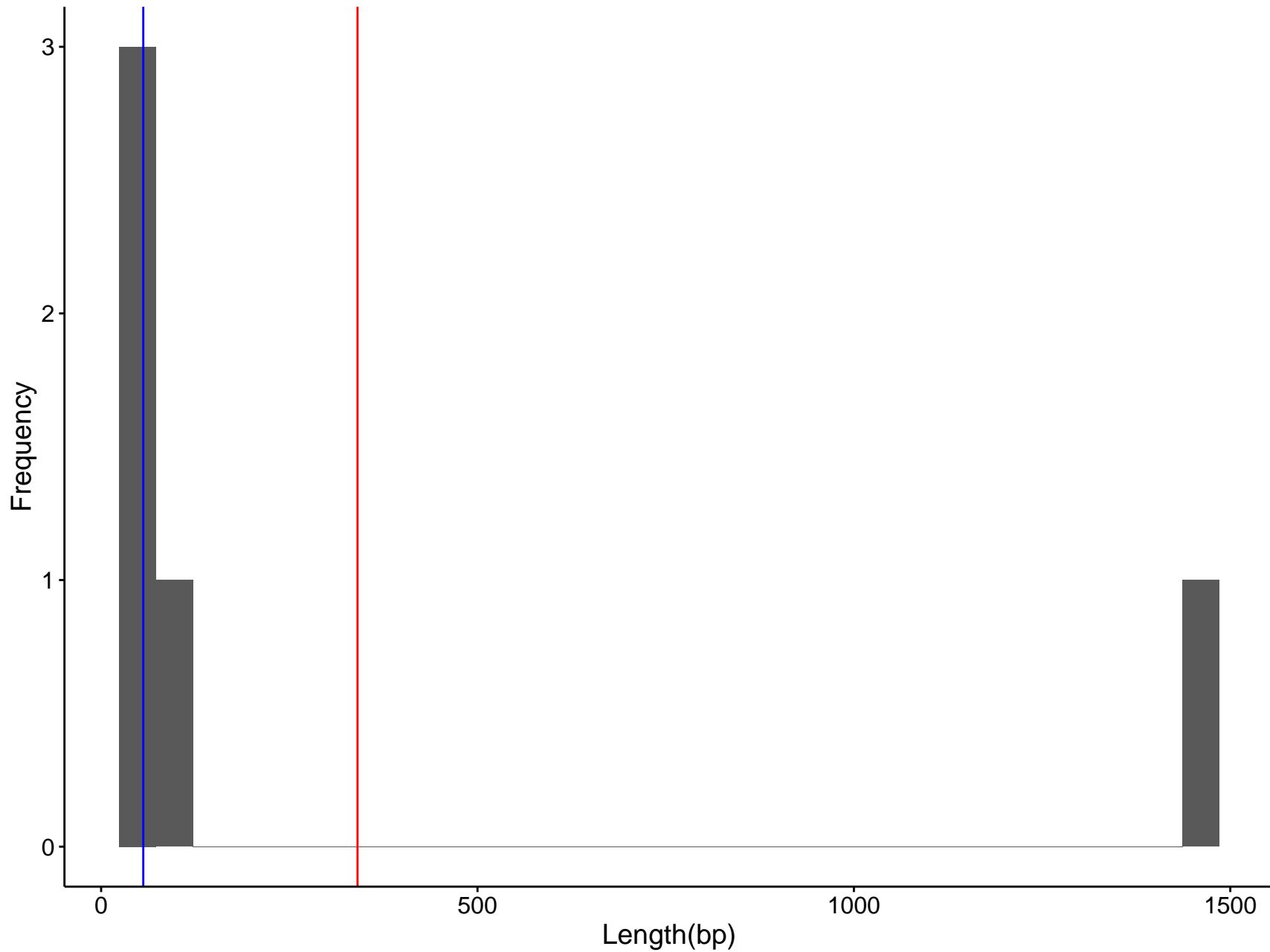
Cluster1255



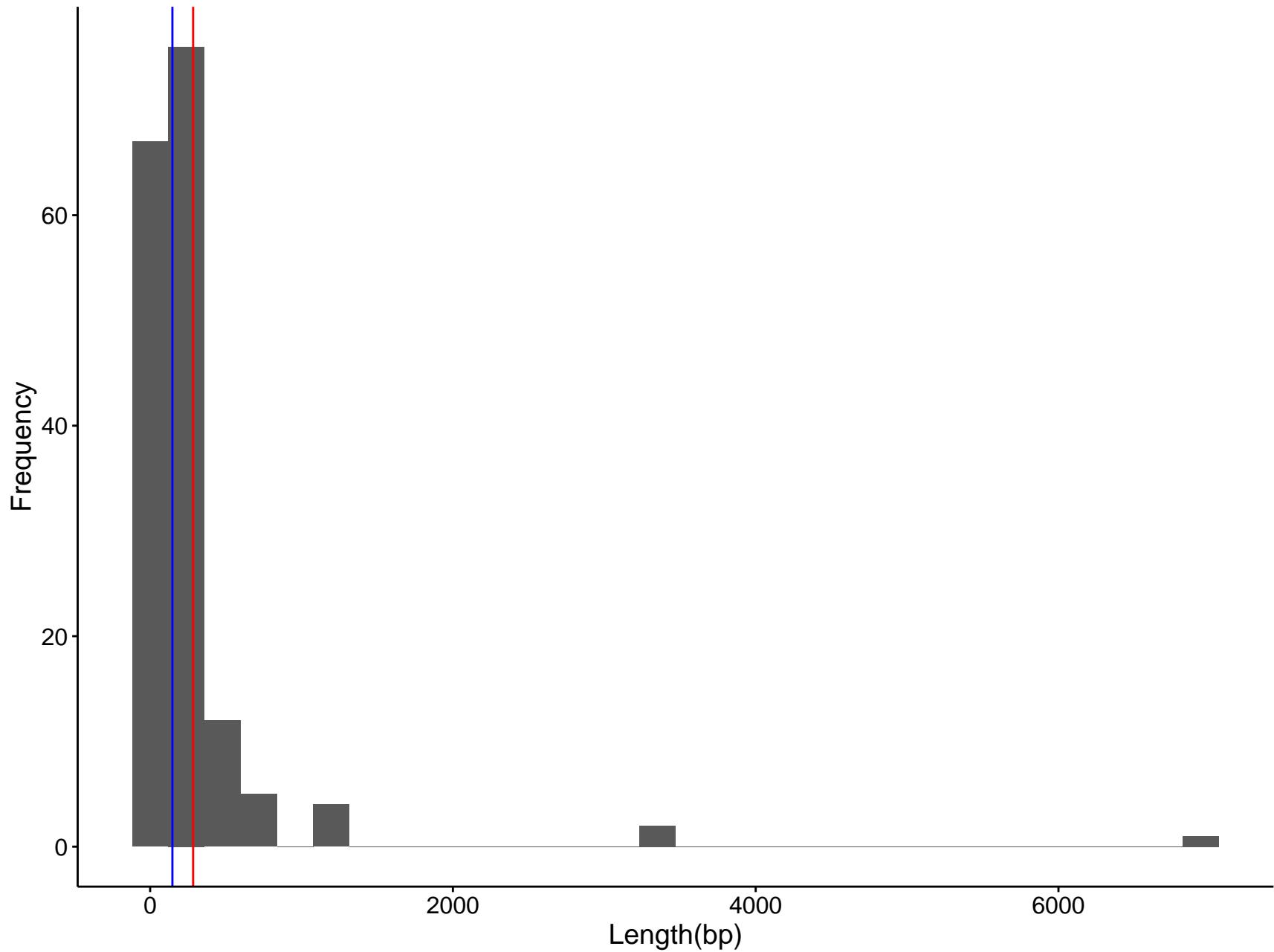
Cluster1256



Cluster1257



Cluster1258



Cluster1259

Frequency

297.950

297.975

298.000

298.025

298.050

Length(bp)



Cluster125

Frequency

450.950

450.975

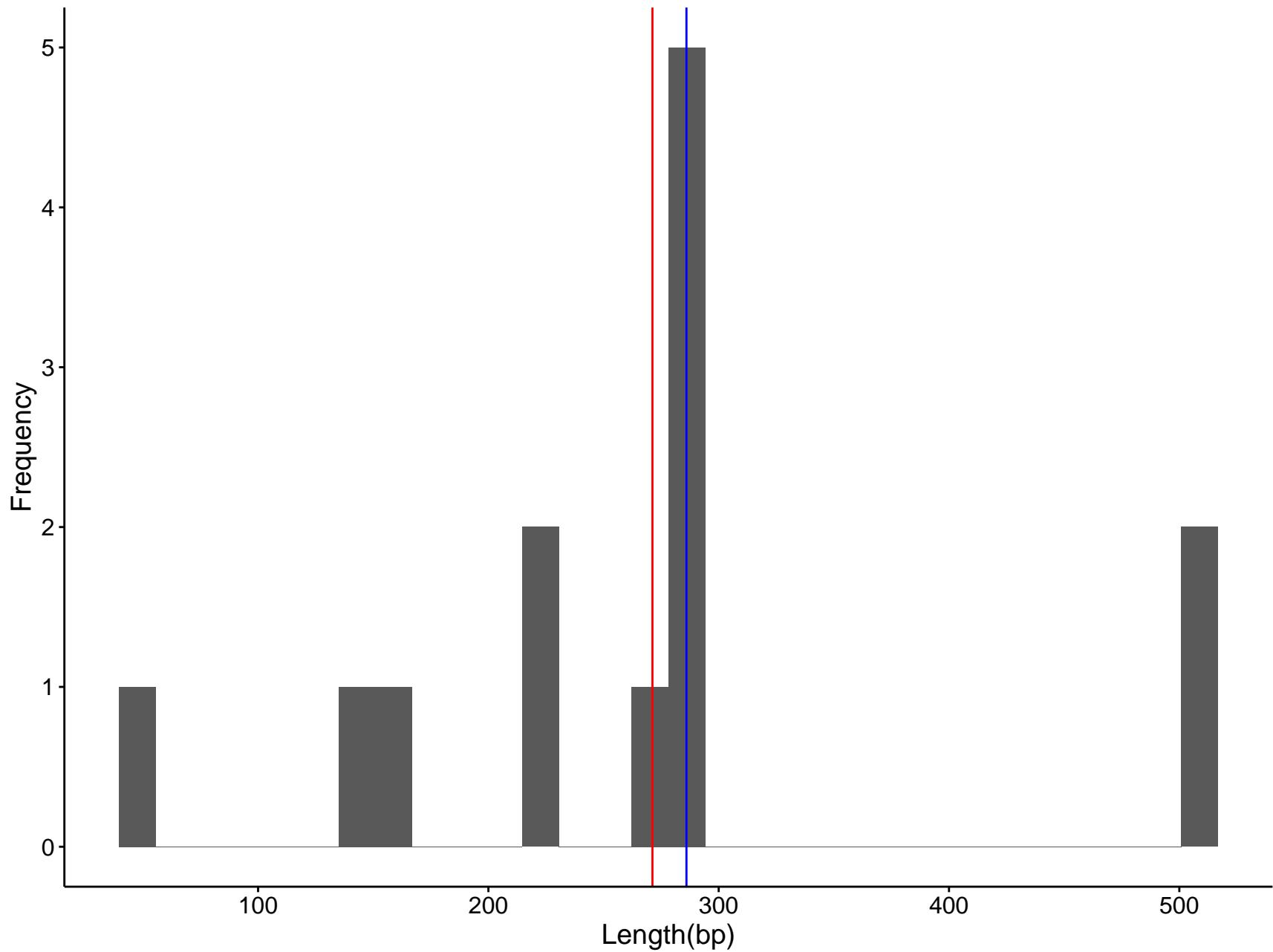
451.000

451.025

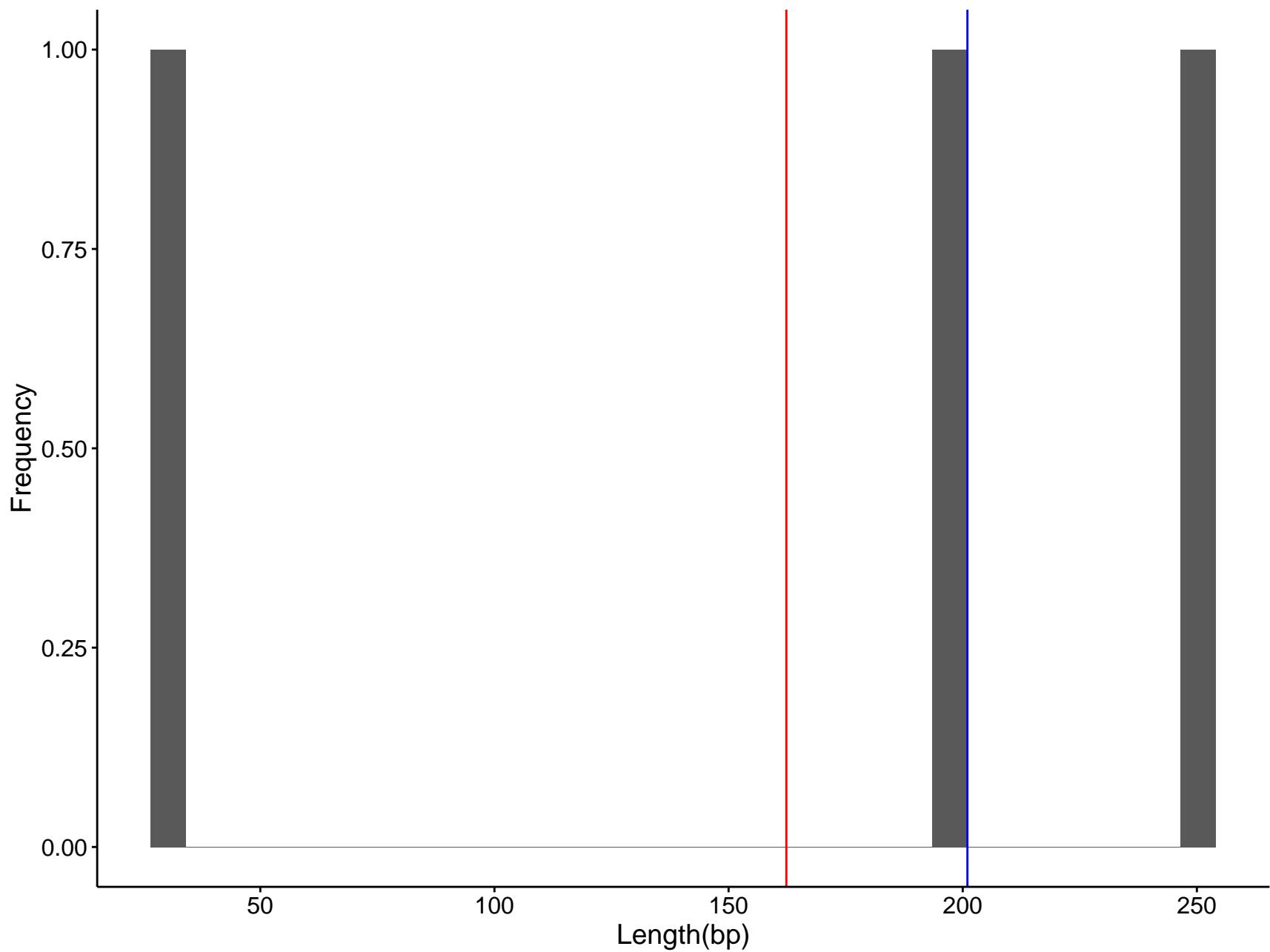
Length(bp)



Cluster1260



Cluster1261



Cluster1262

Frequency

252.950

252.975

253.000

253.025

253.050

Length(bp)



Cluster1264

Frequency

342.950

342.975

343.000

343.025

Length(bp)



# Cluster1266

Frequency

135.950

135.975

136.000

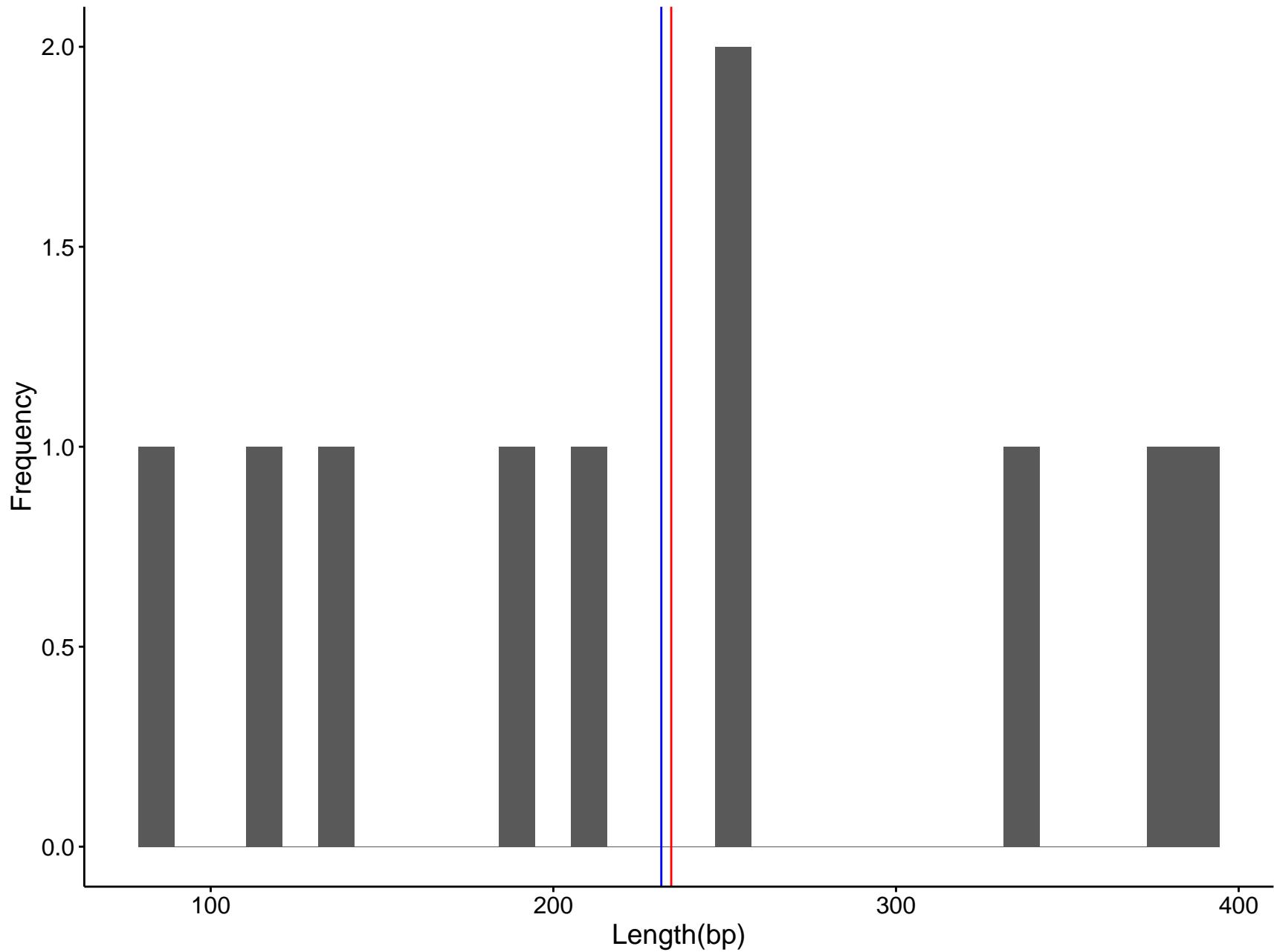
136.025

136.050

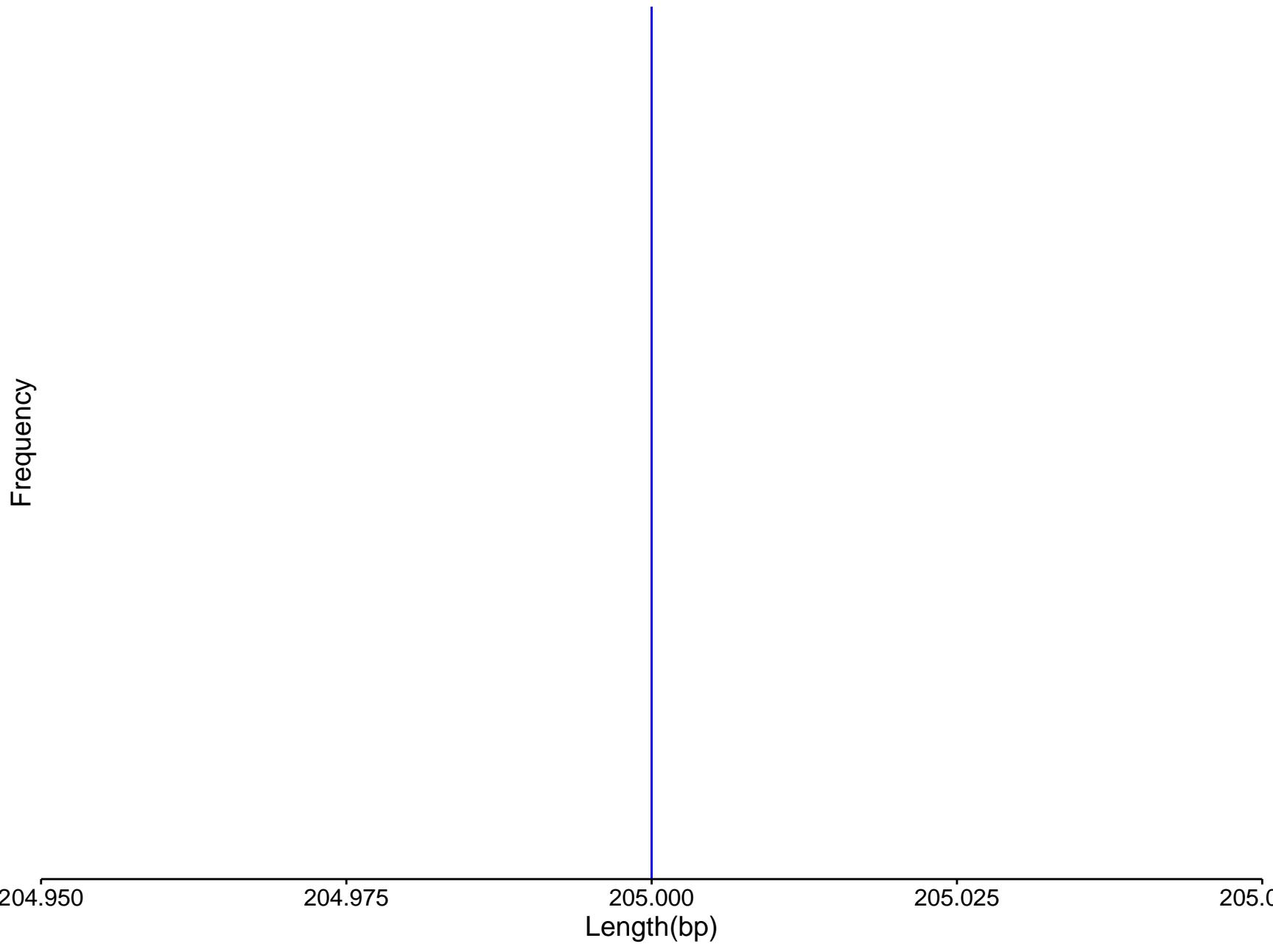
Length(bp)



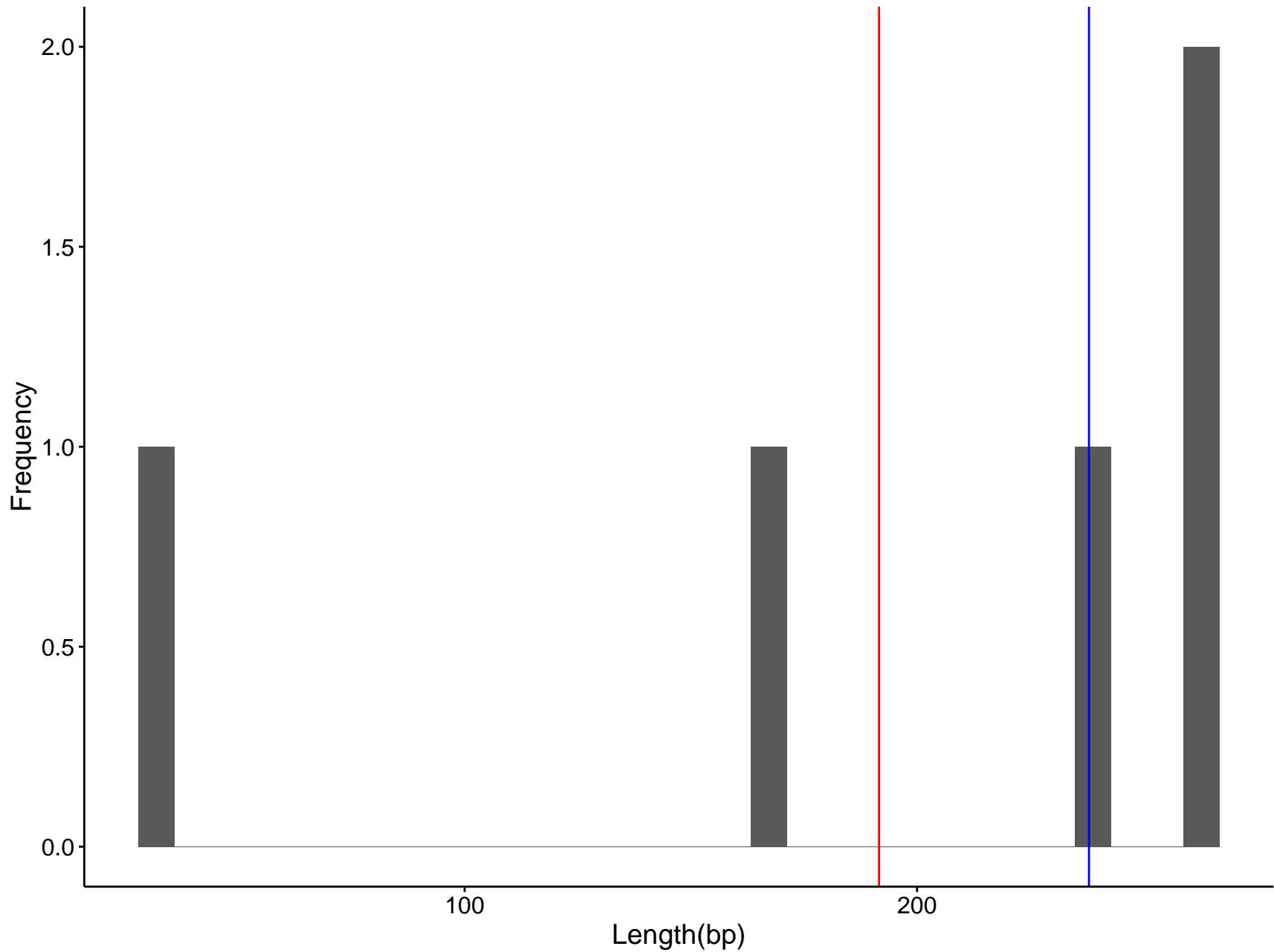
Cluster1267



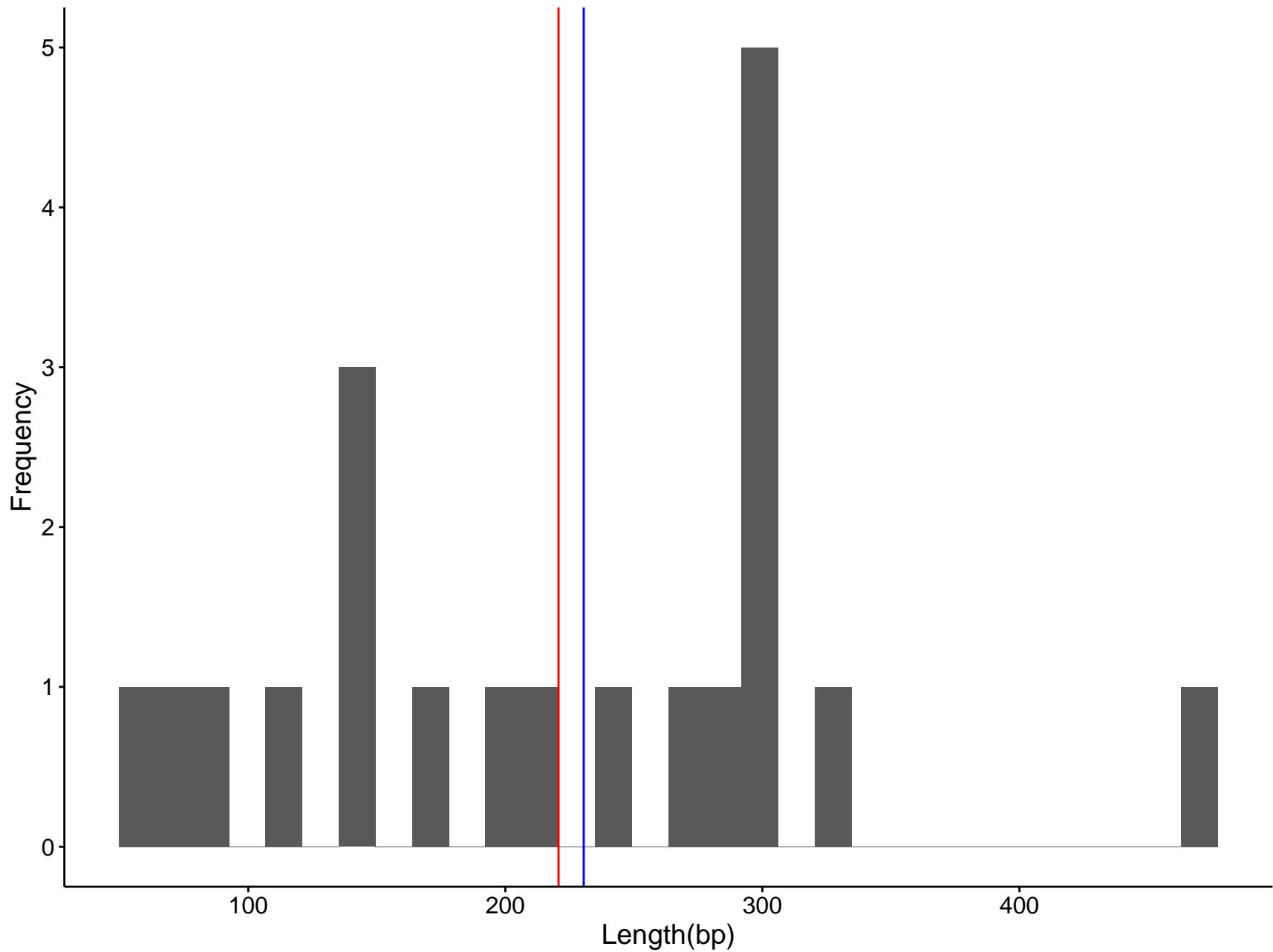
# Cluster1268



Cluster1269



# Cluster126



# Cluster1270

Frequency

466.950

466.975

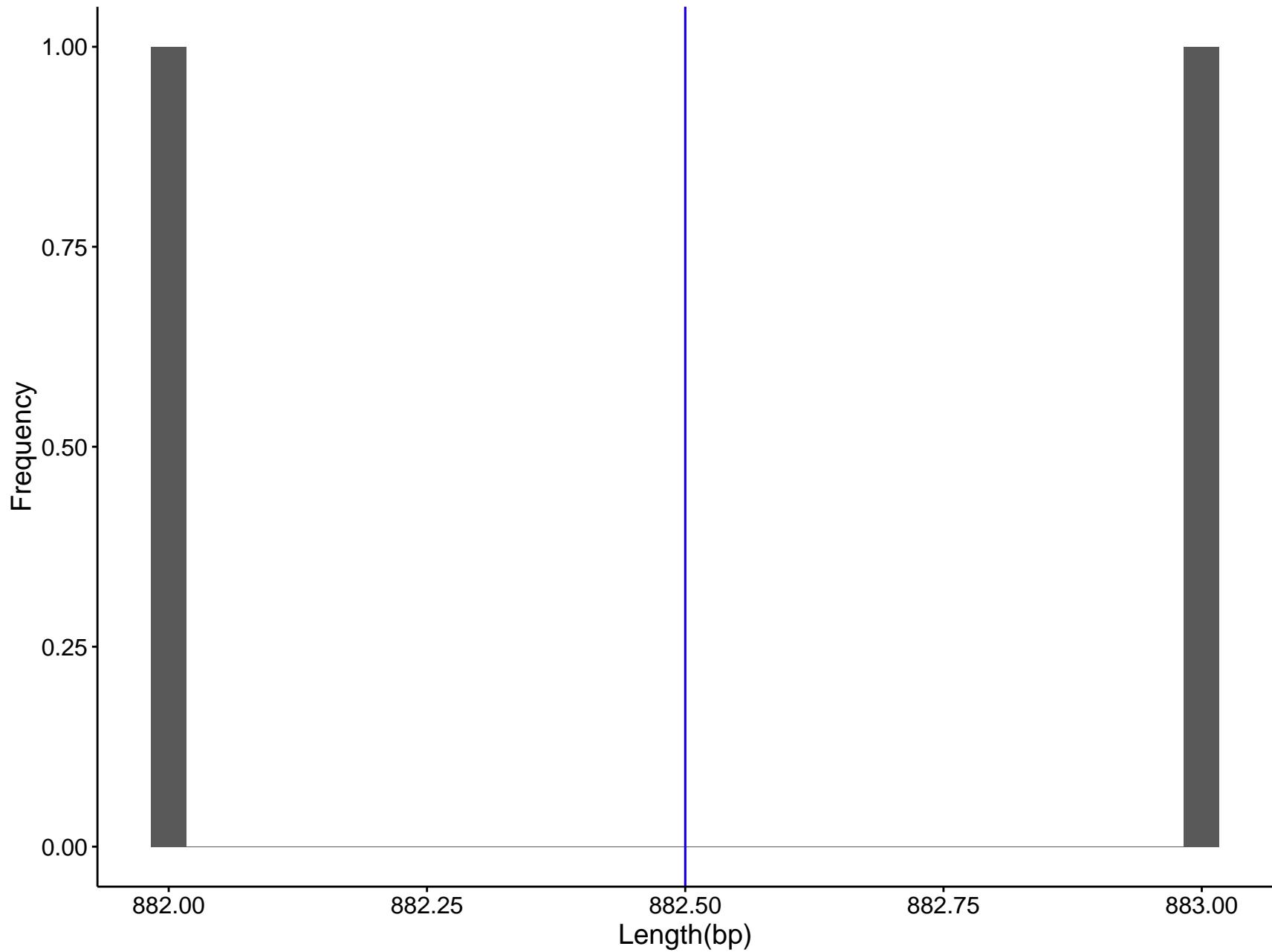
467.000

467.025

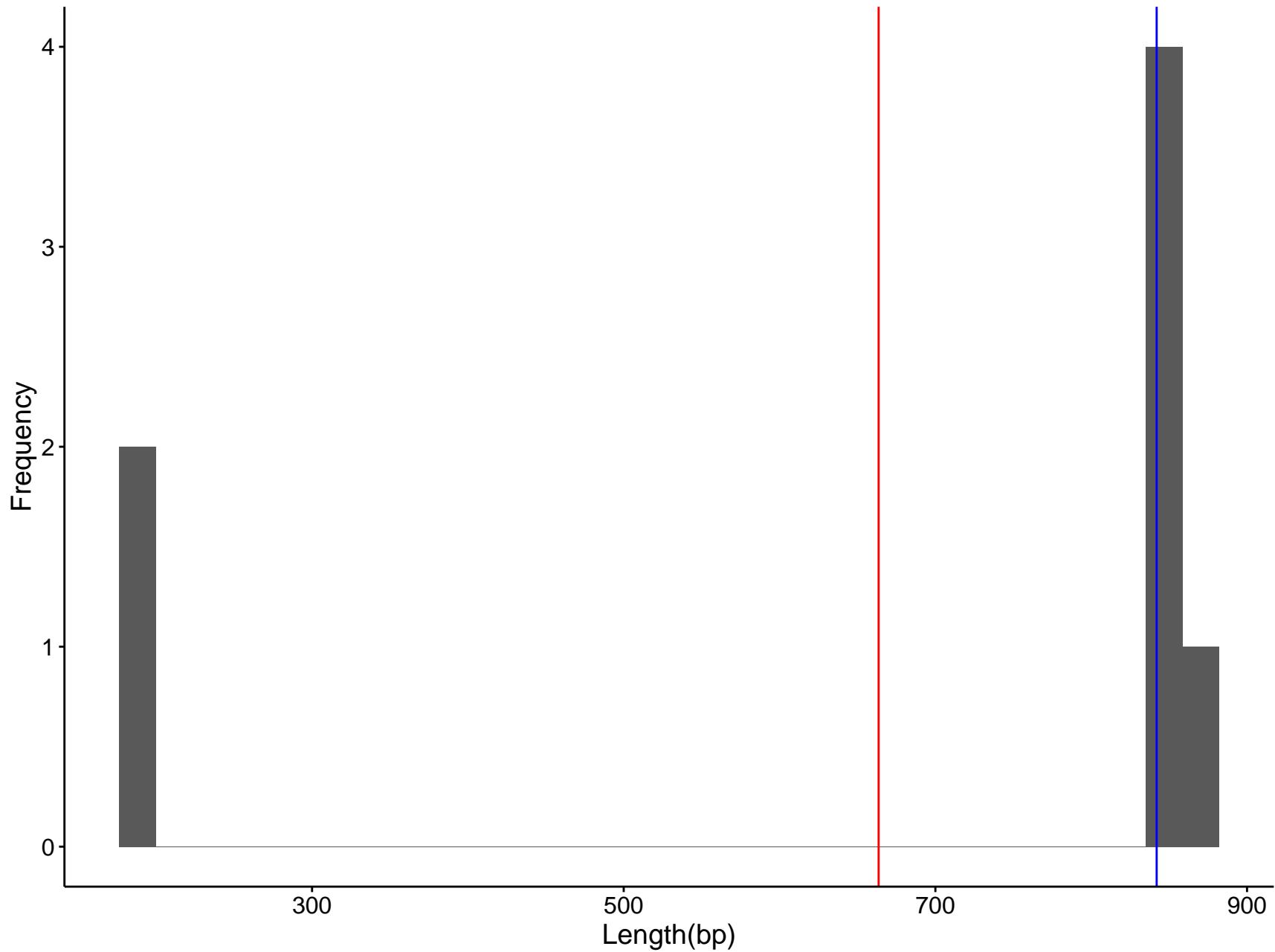
Length(bp)



Cluster1272



Cluster1274



# Cluster1275

Frequency

412.950

412.975

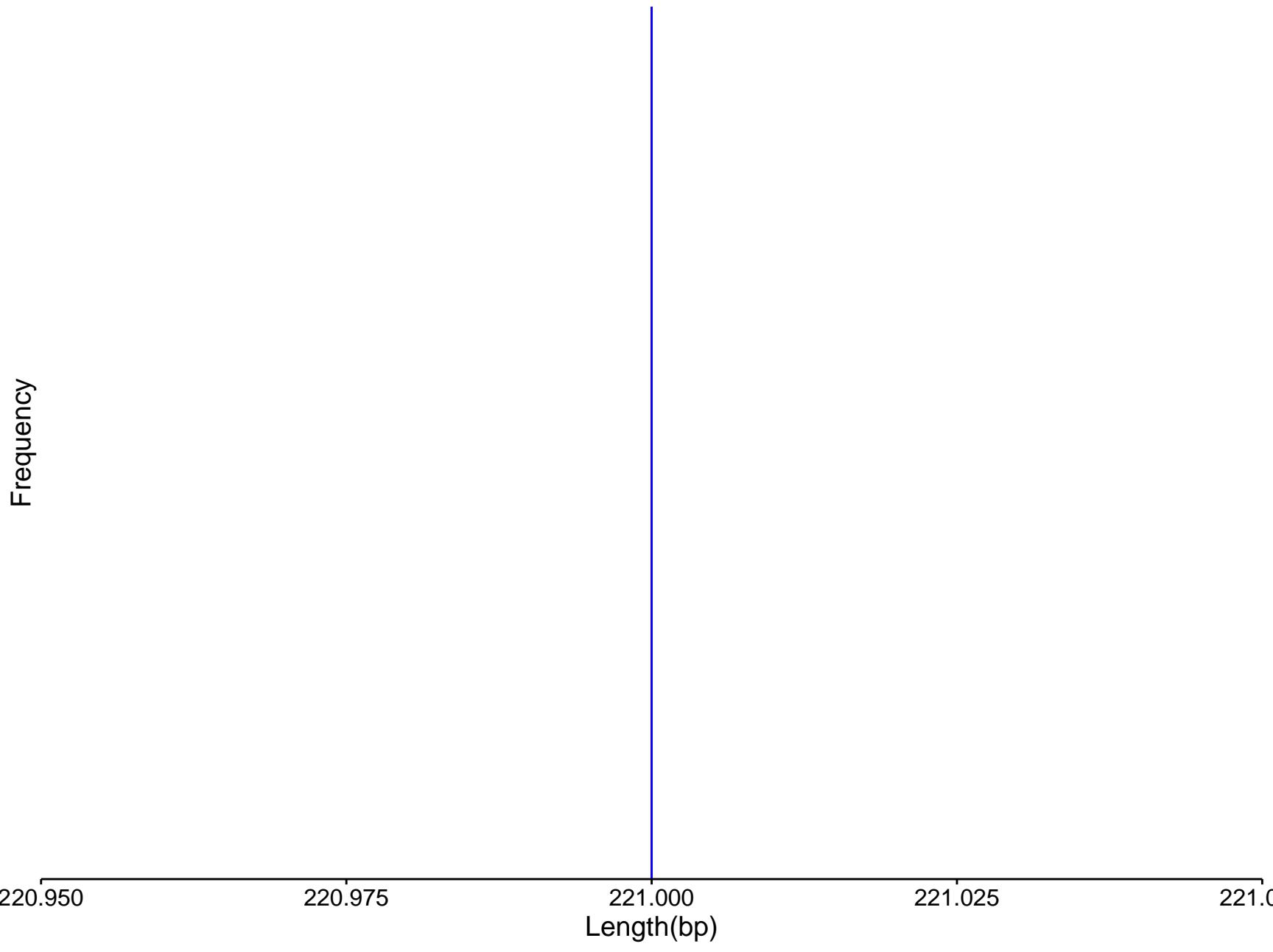
413.000

413.025

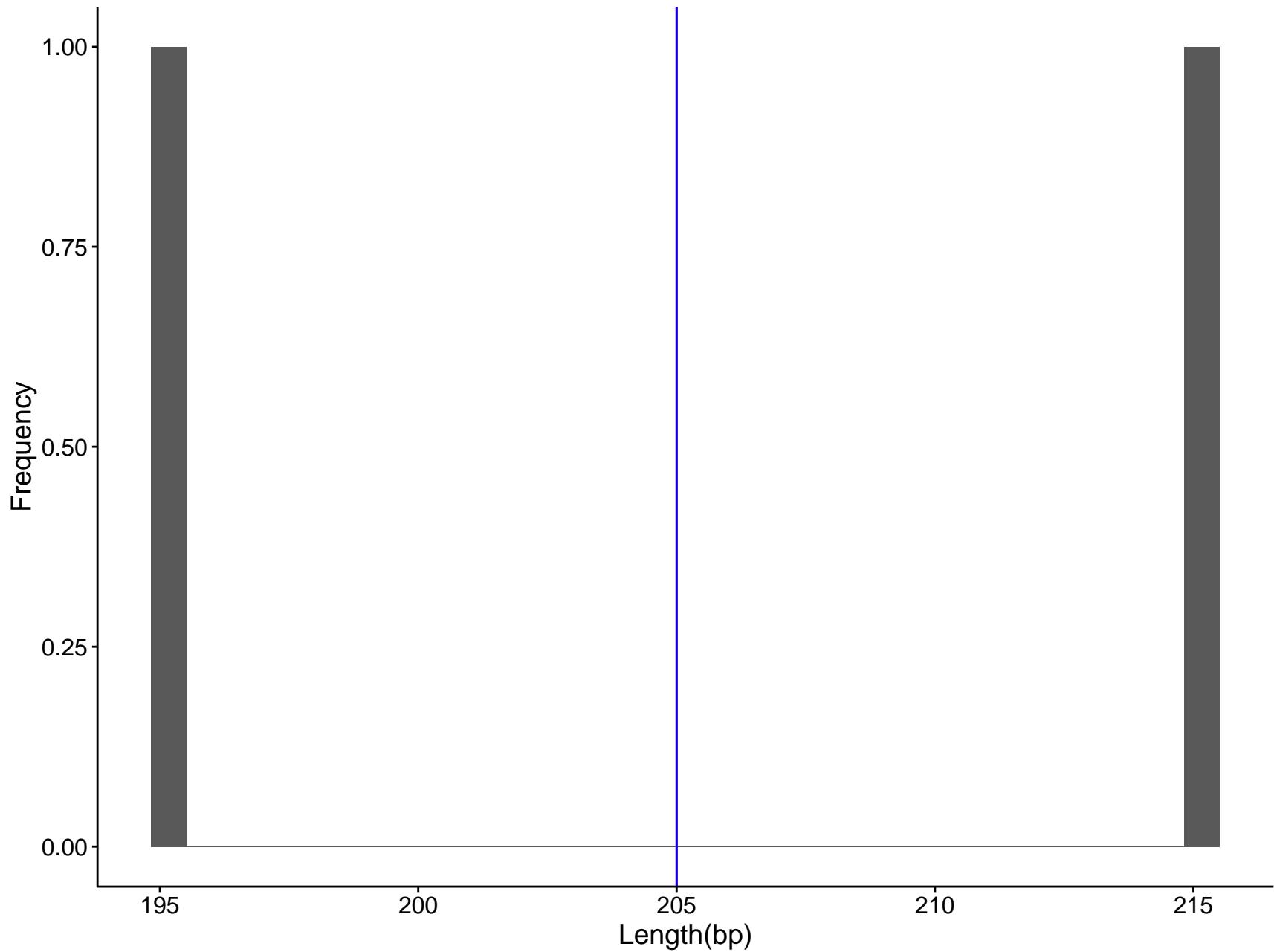
Length(bp)



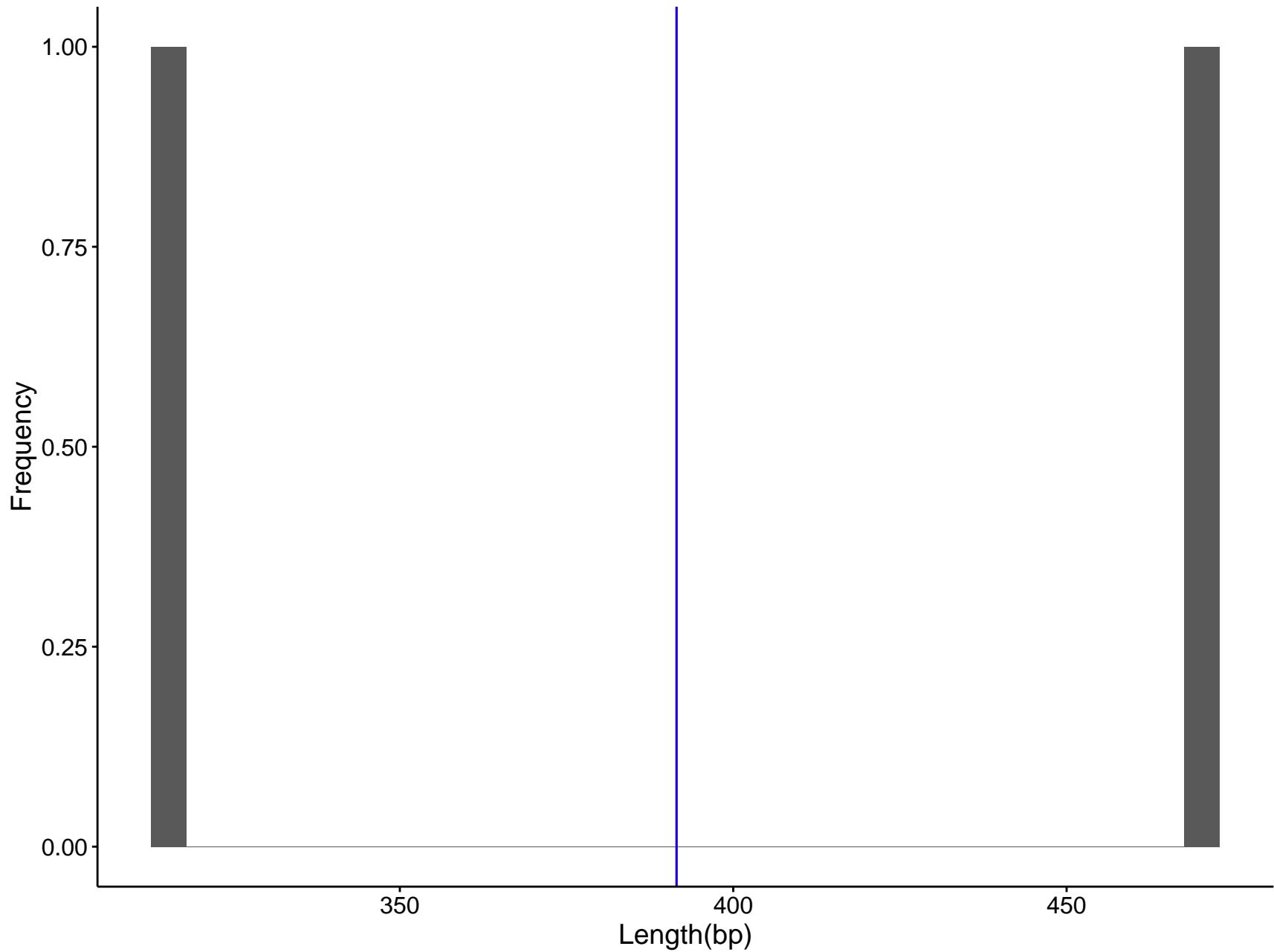
# Cluster1278



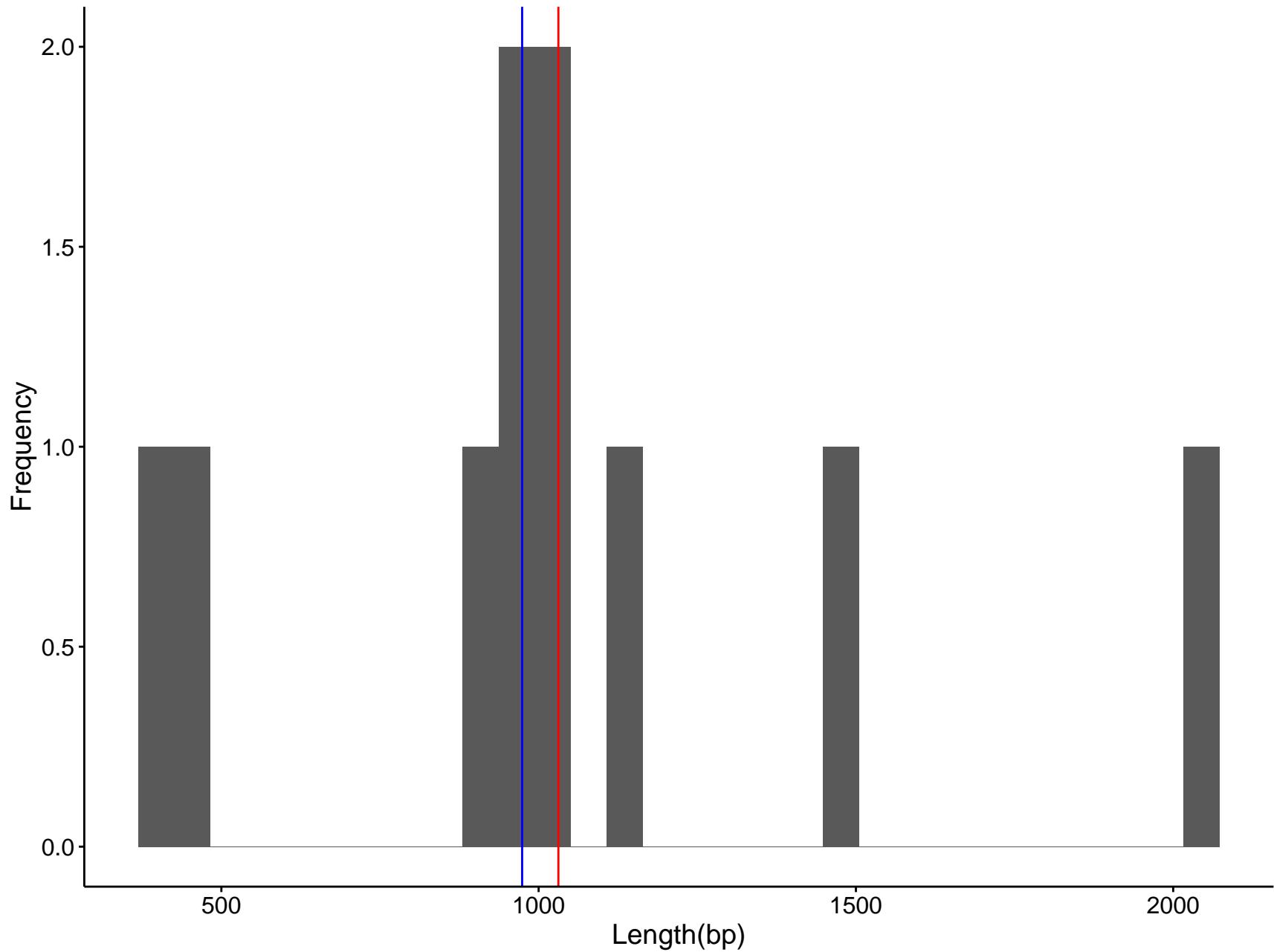
Cluster127



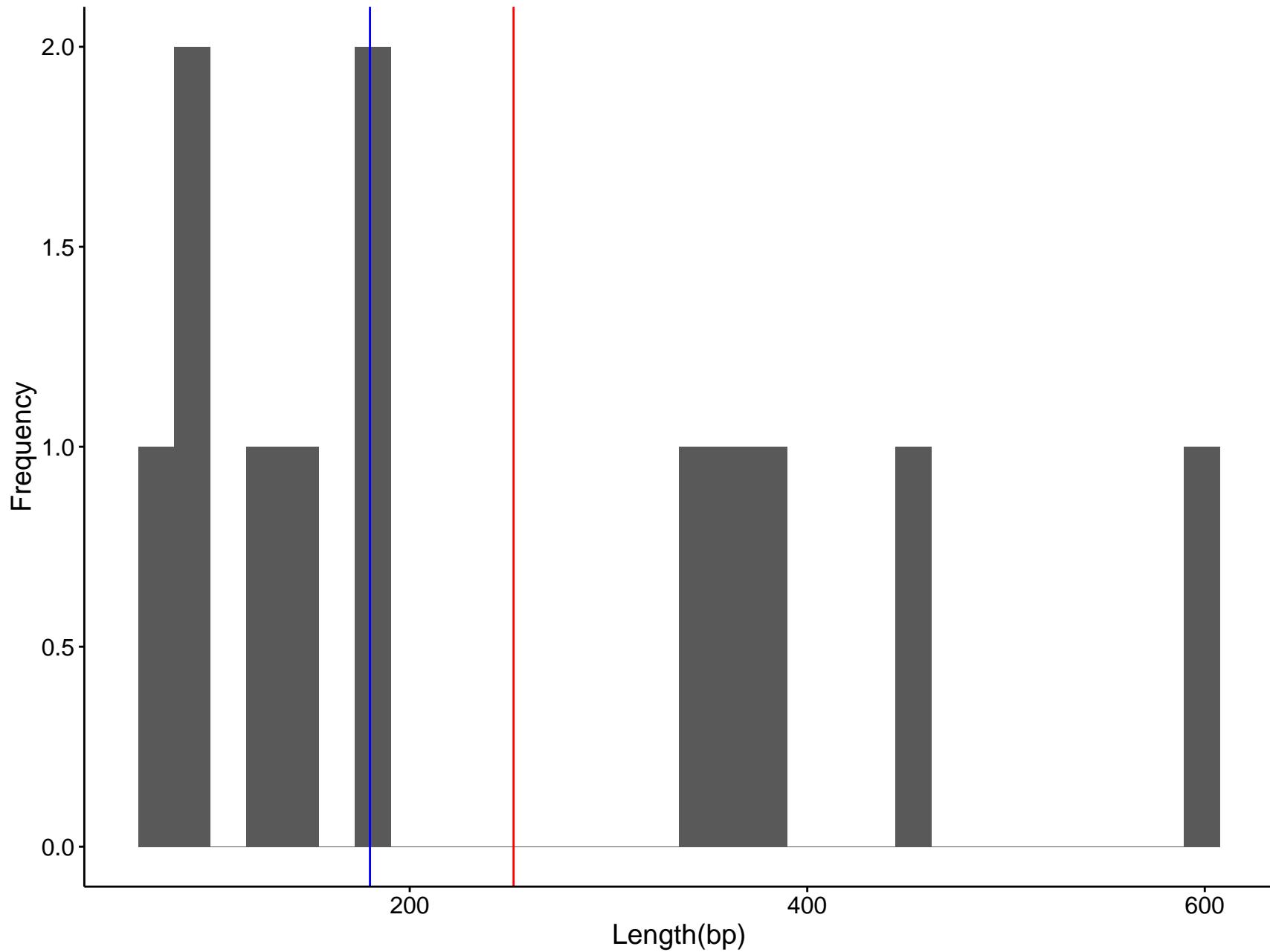
Cluster1282



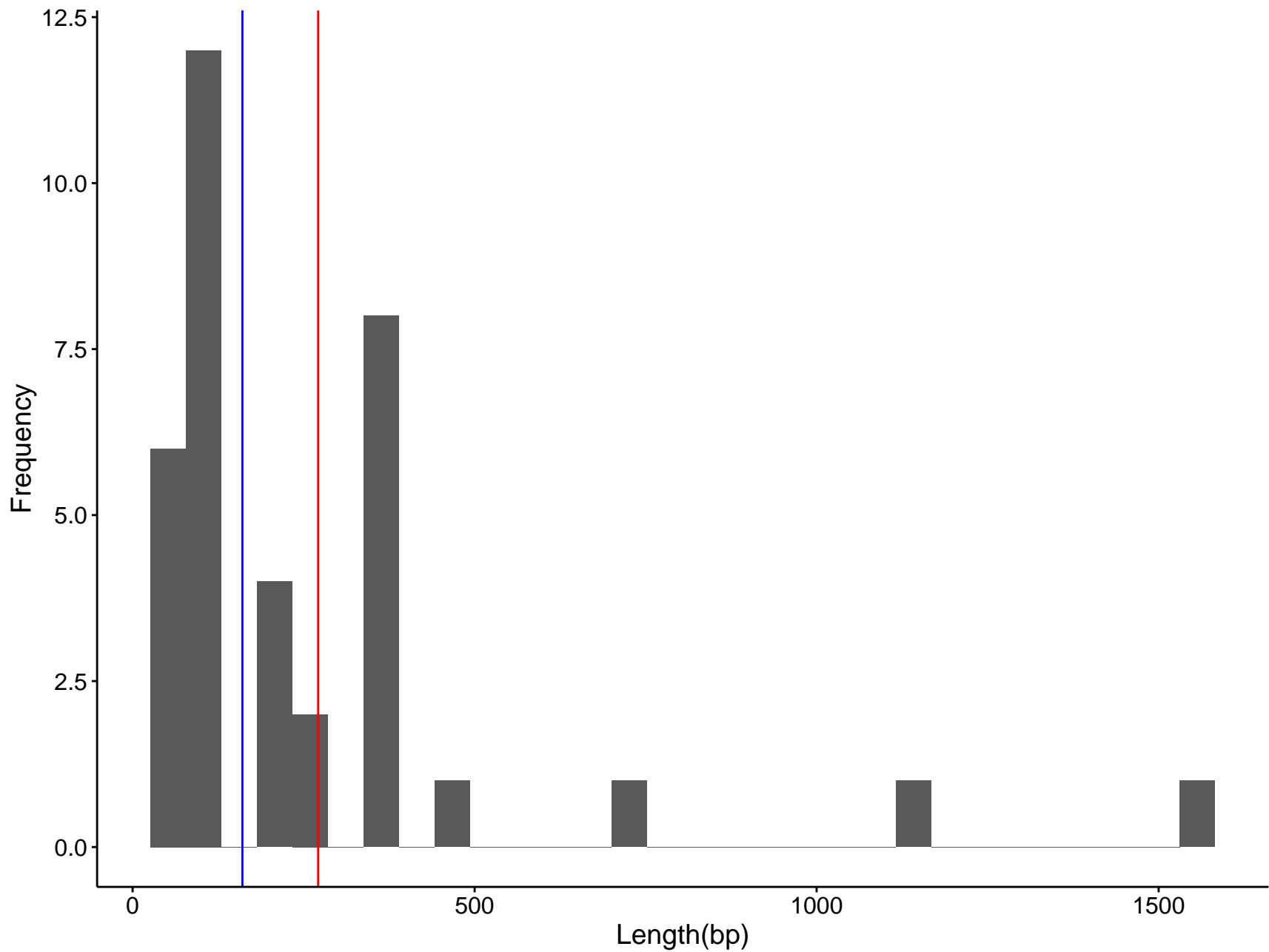
Cluster1283



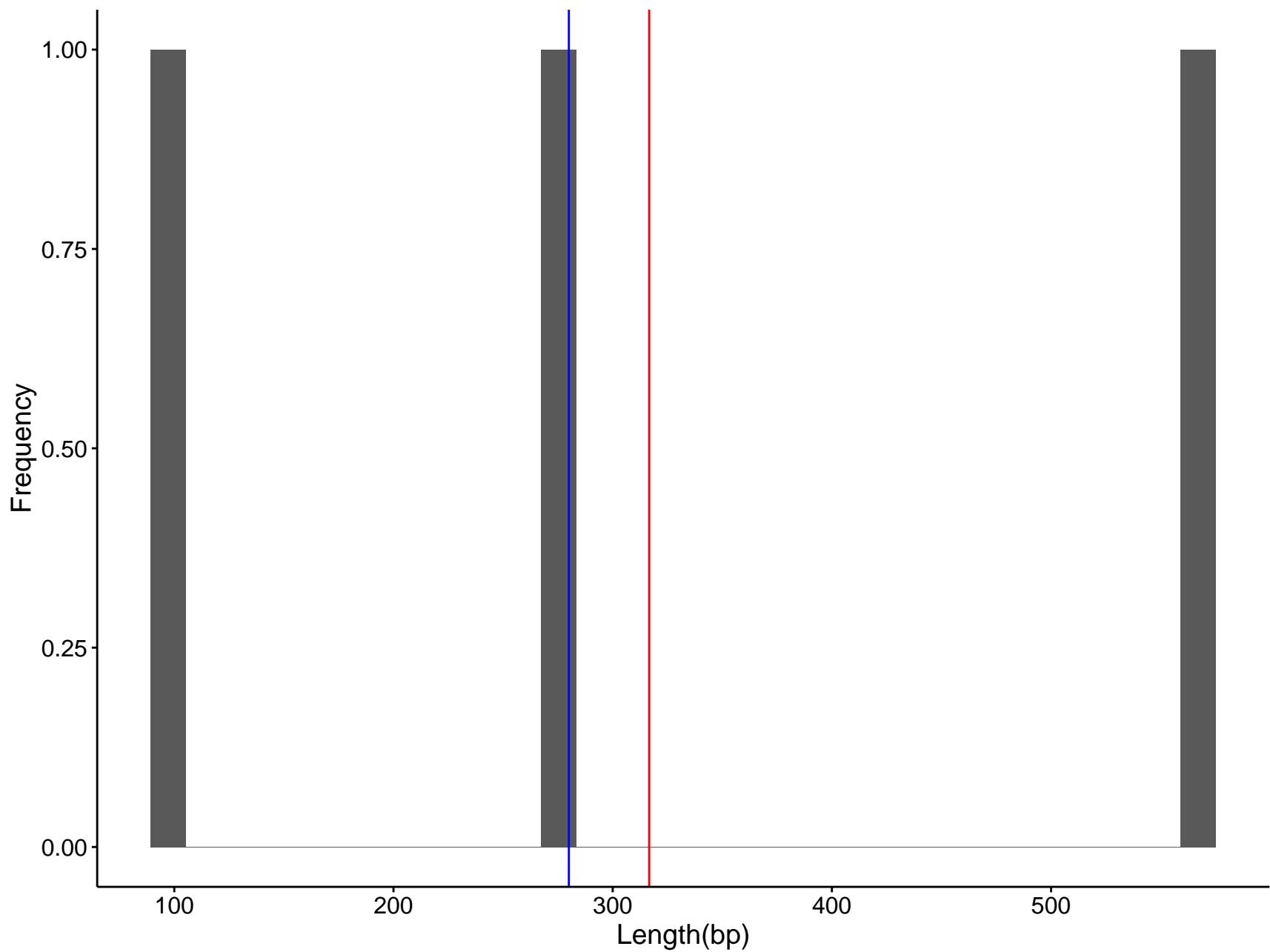
Cluster1284



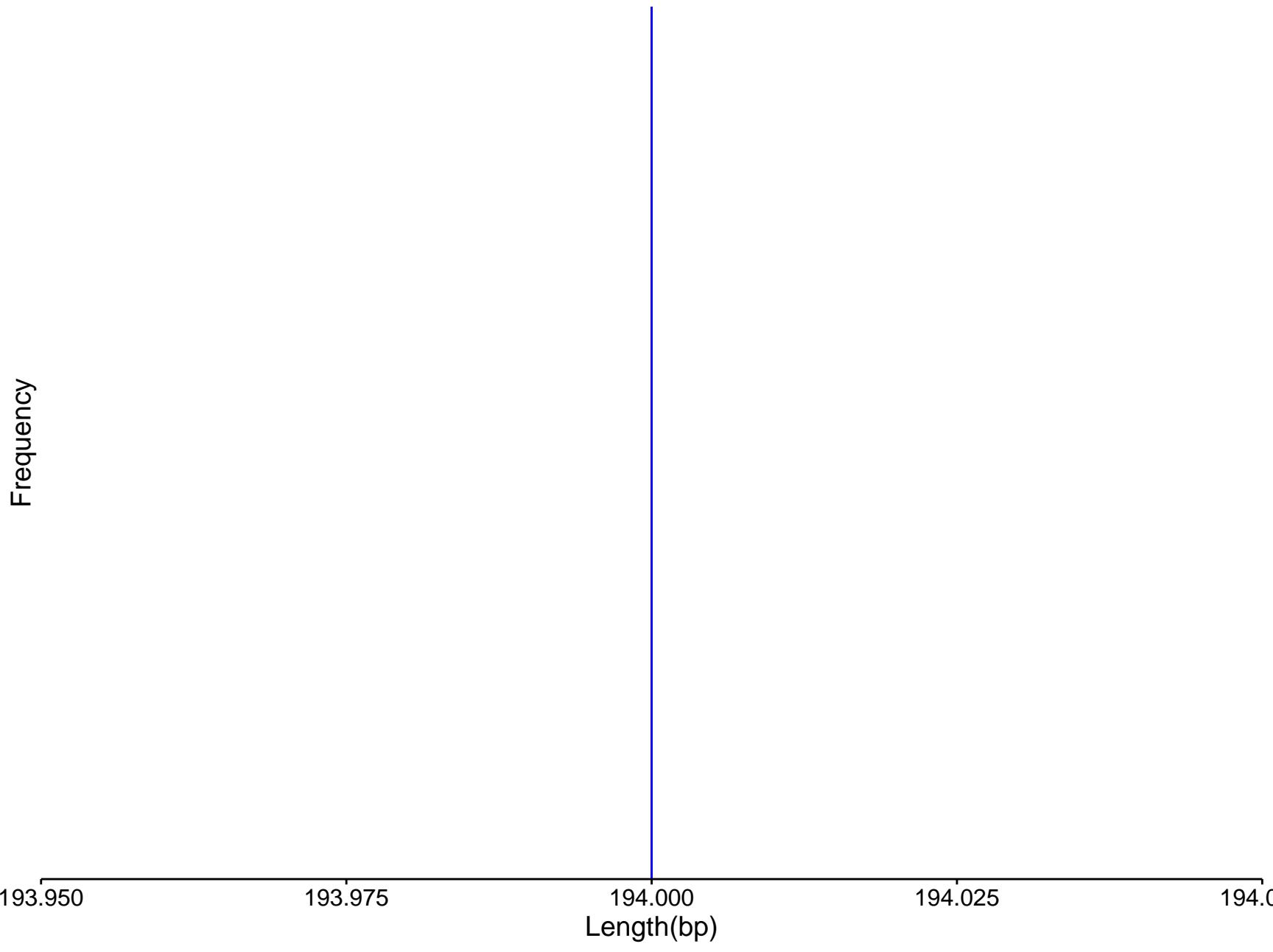
Cluster1285



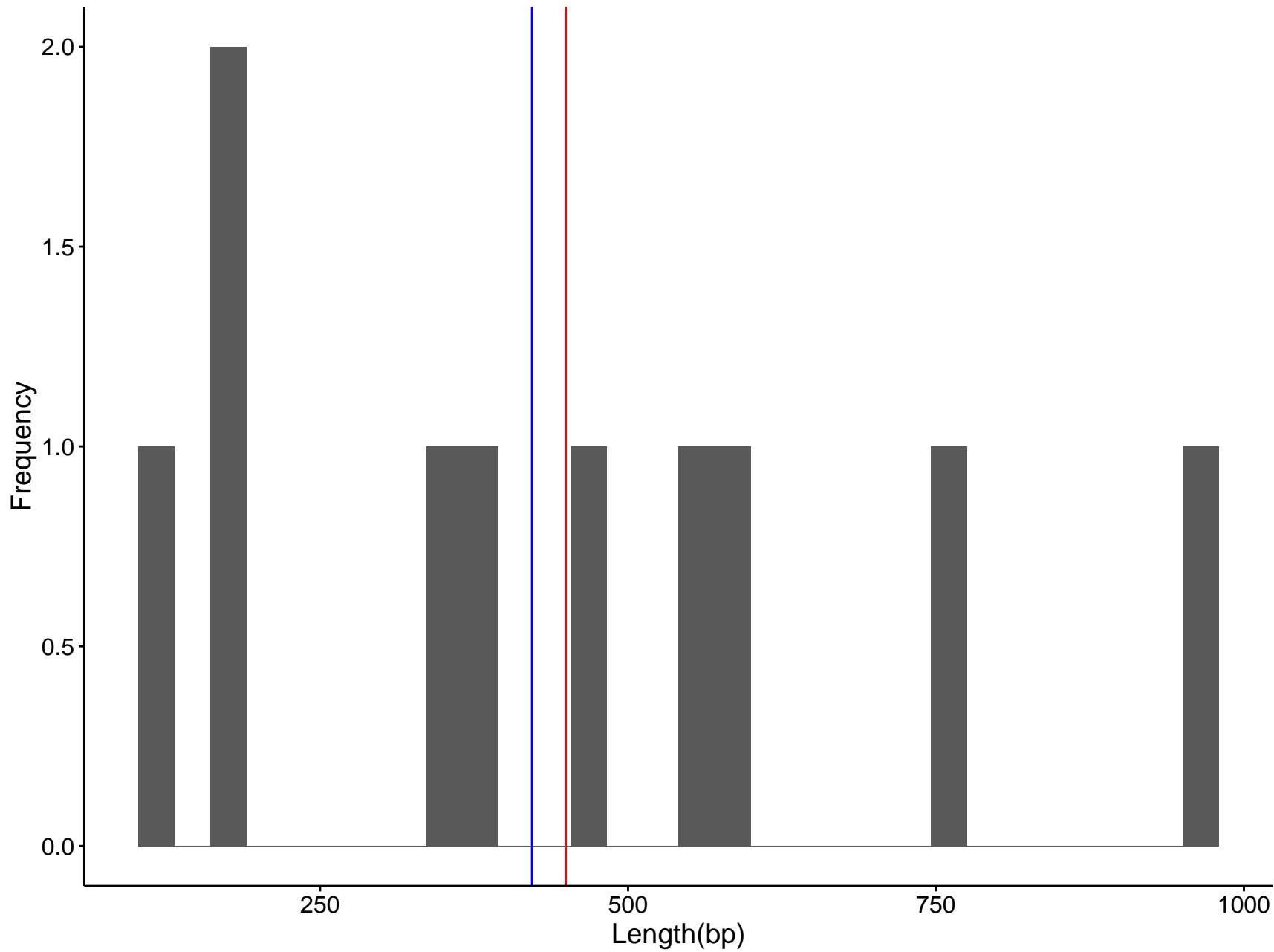
Cluster1286



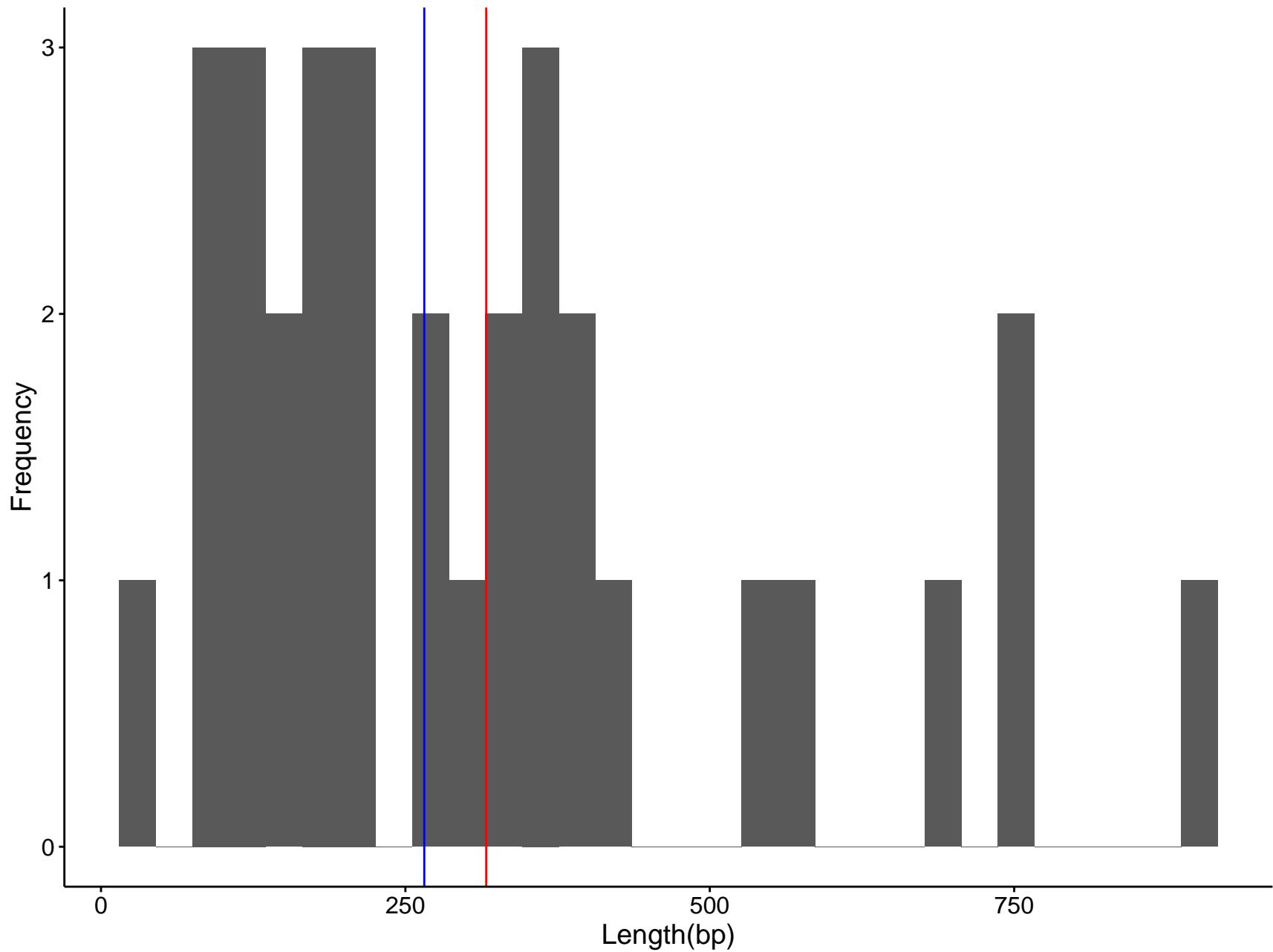
# Cluster1287



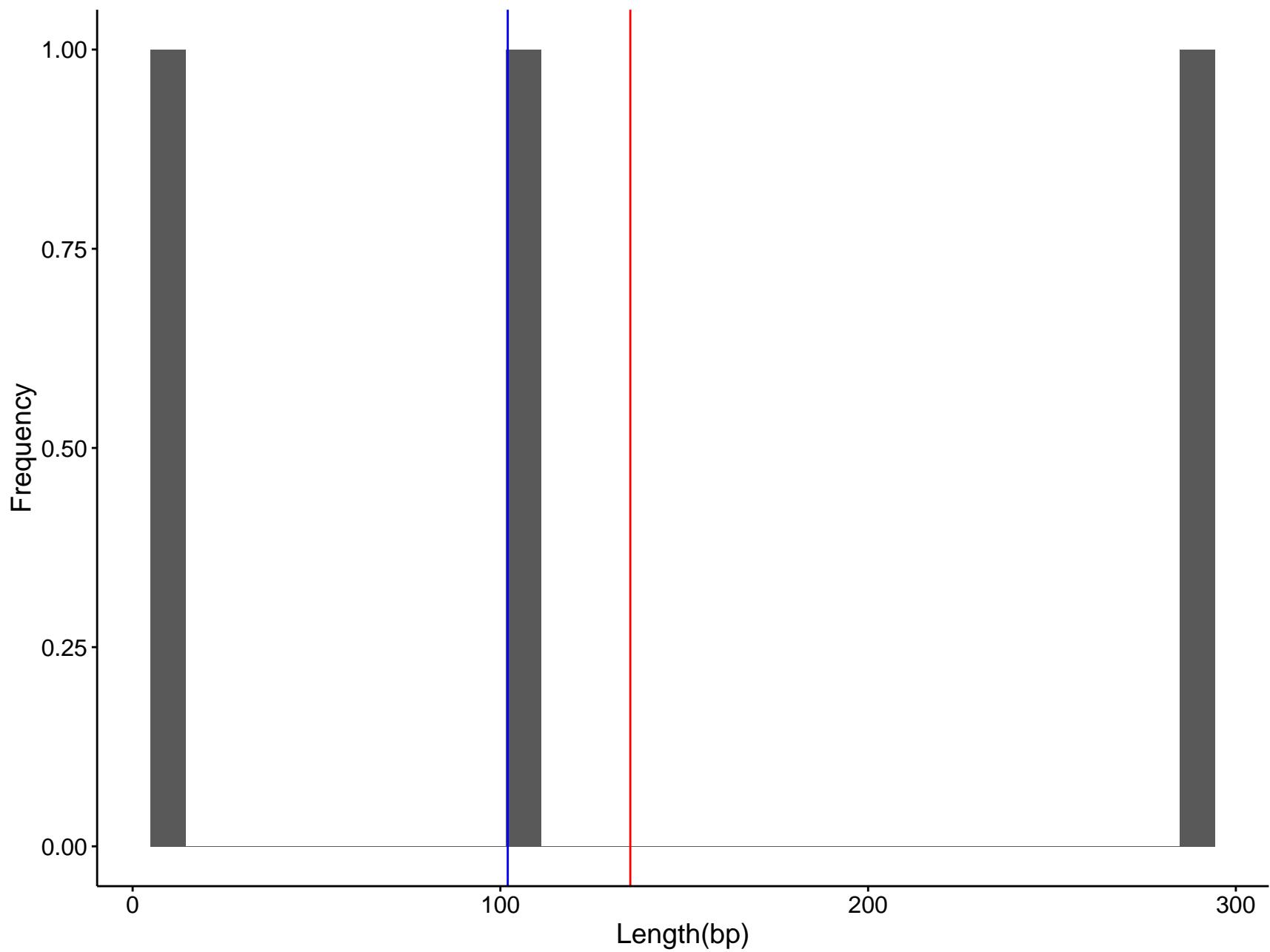
Cluster1289



Cluster1290



Cluster1291



Cluster1292

Frequency

681.950

681.975

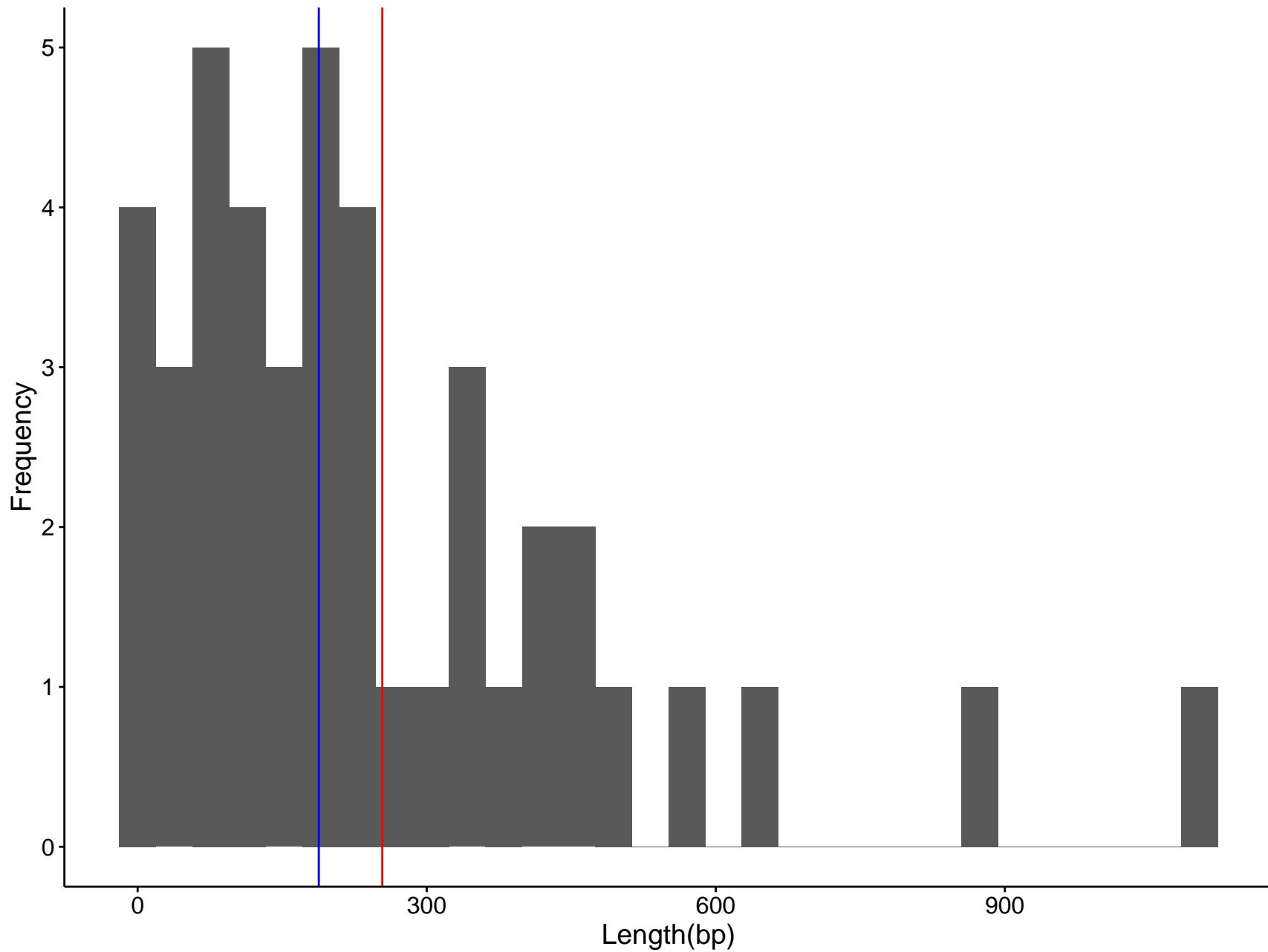
682.000

682.025

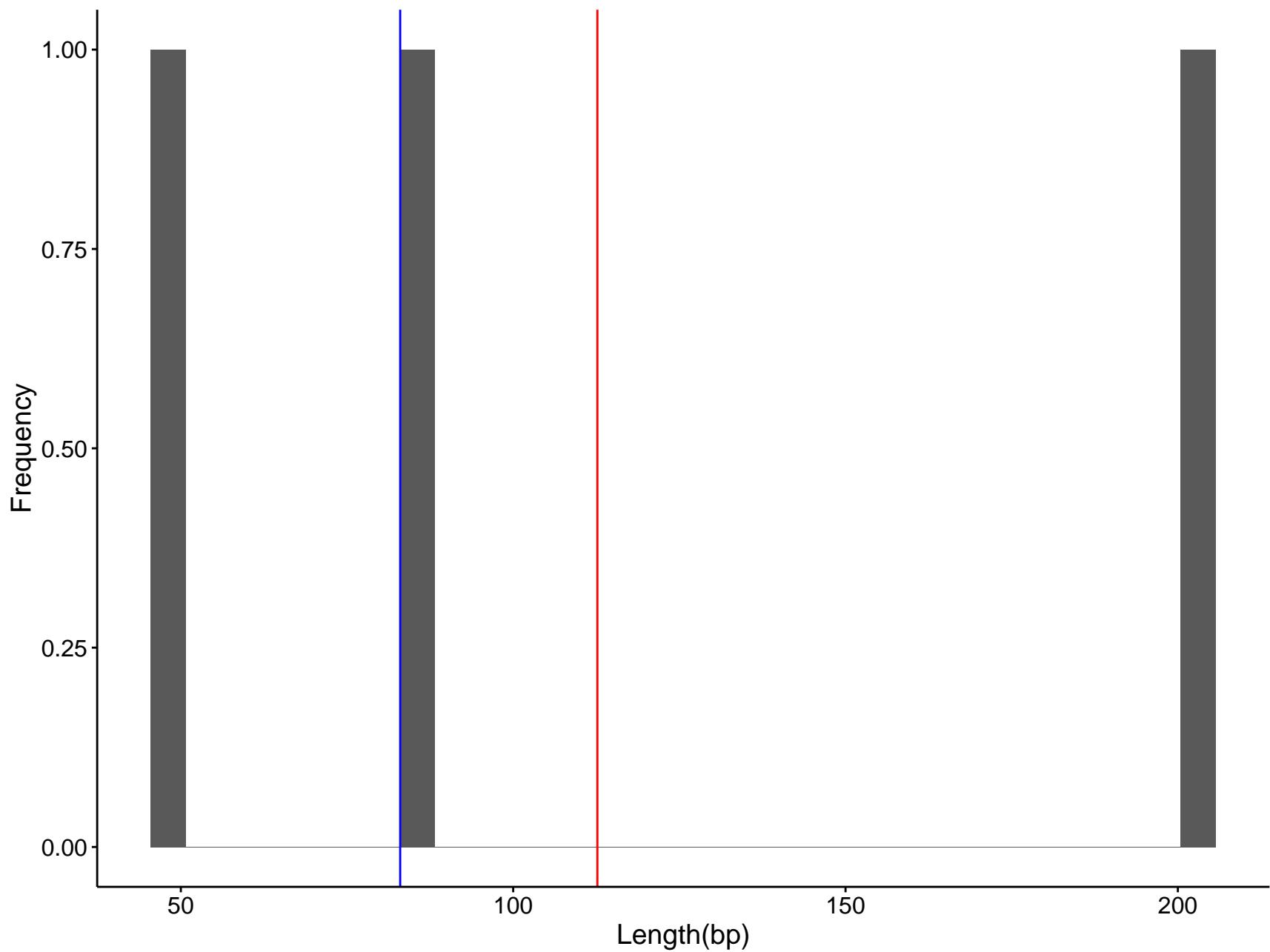
Length(bp)



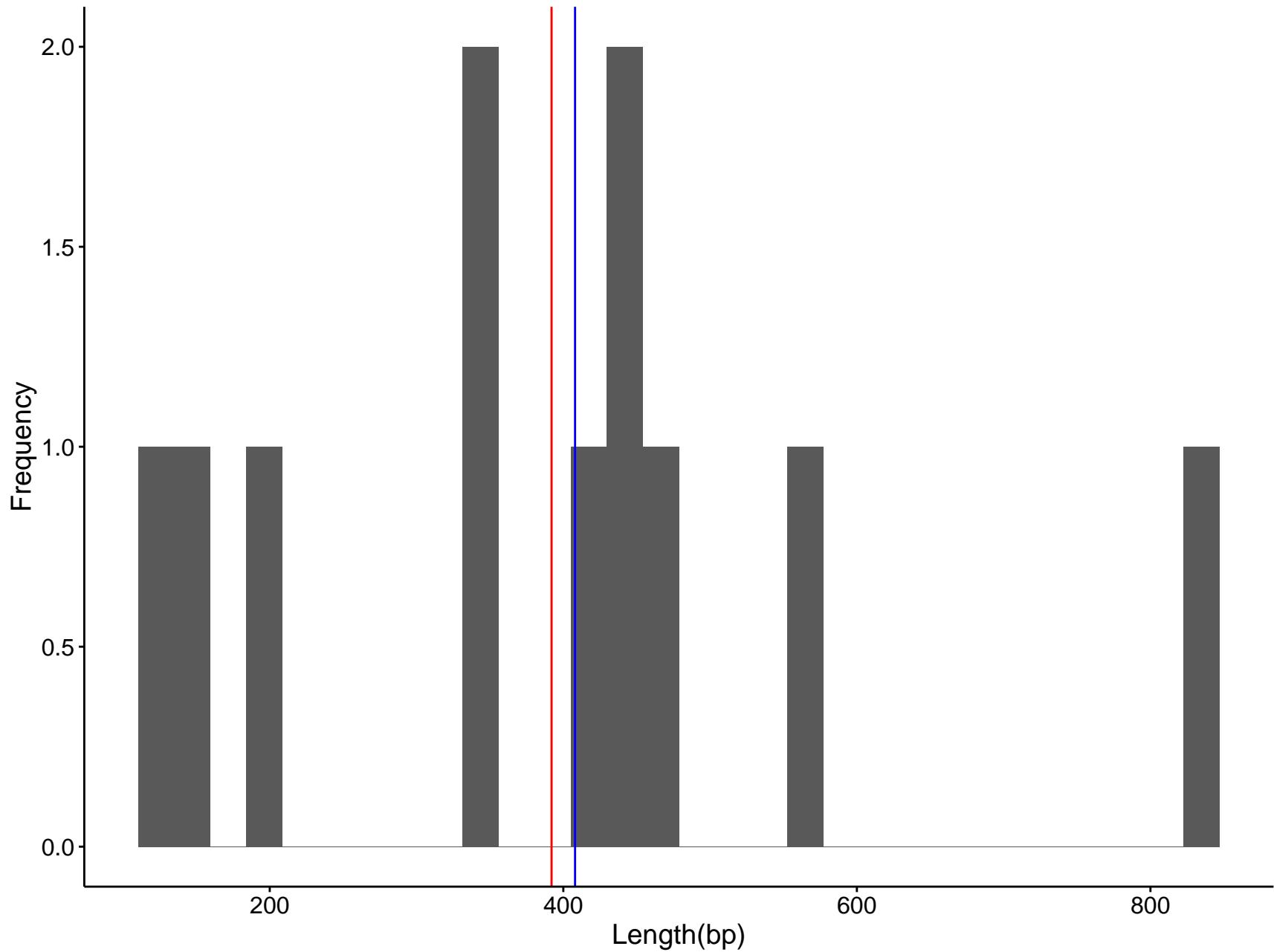
Cluster1293



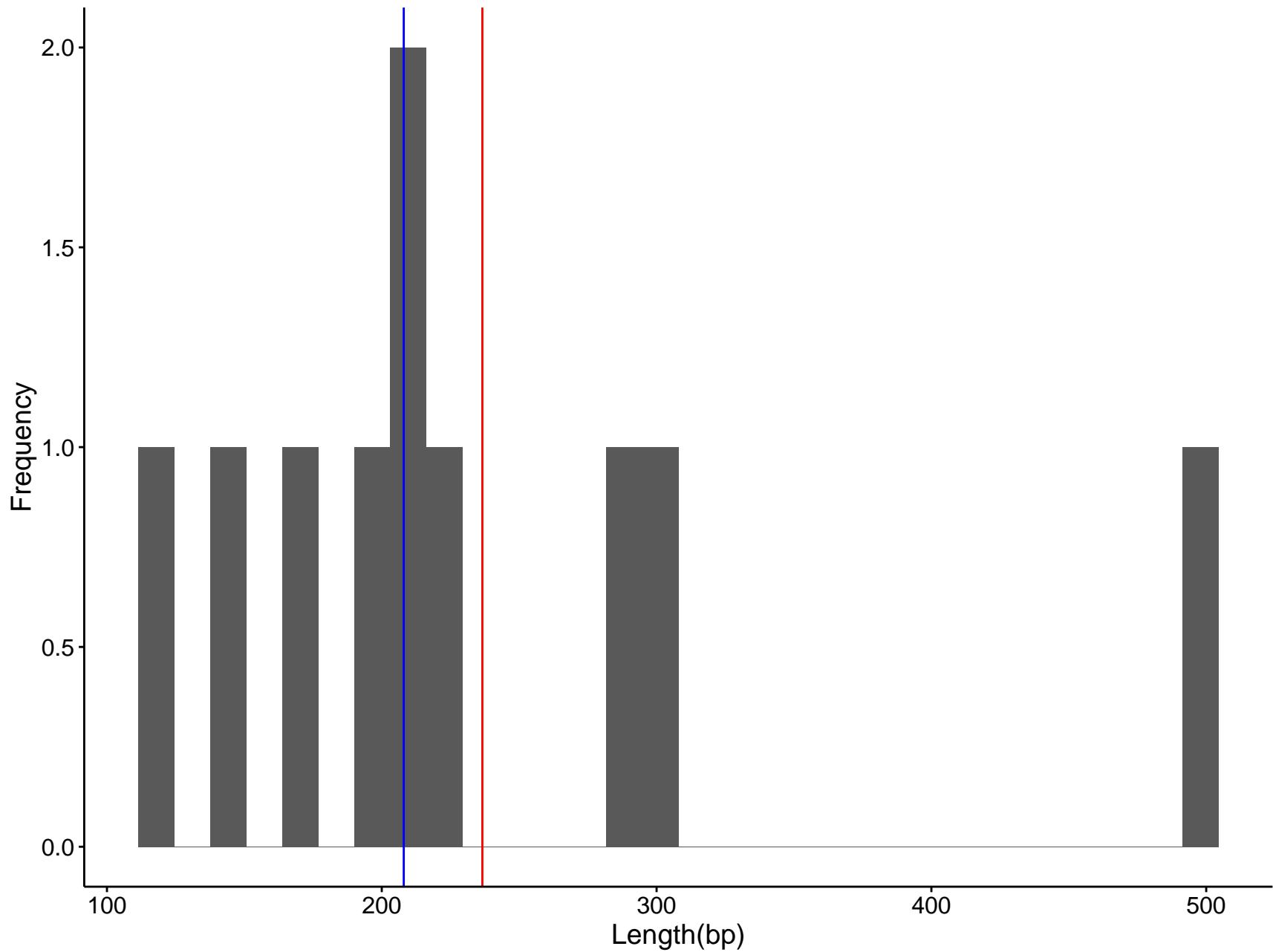
Cluster1295



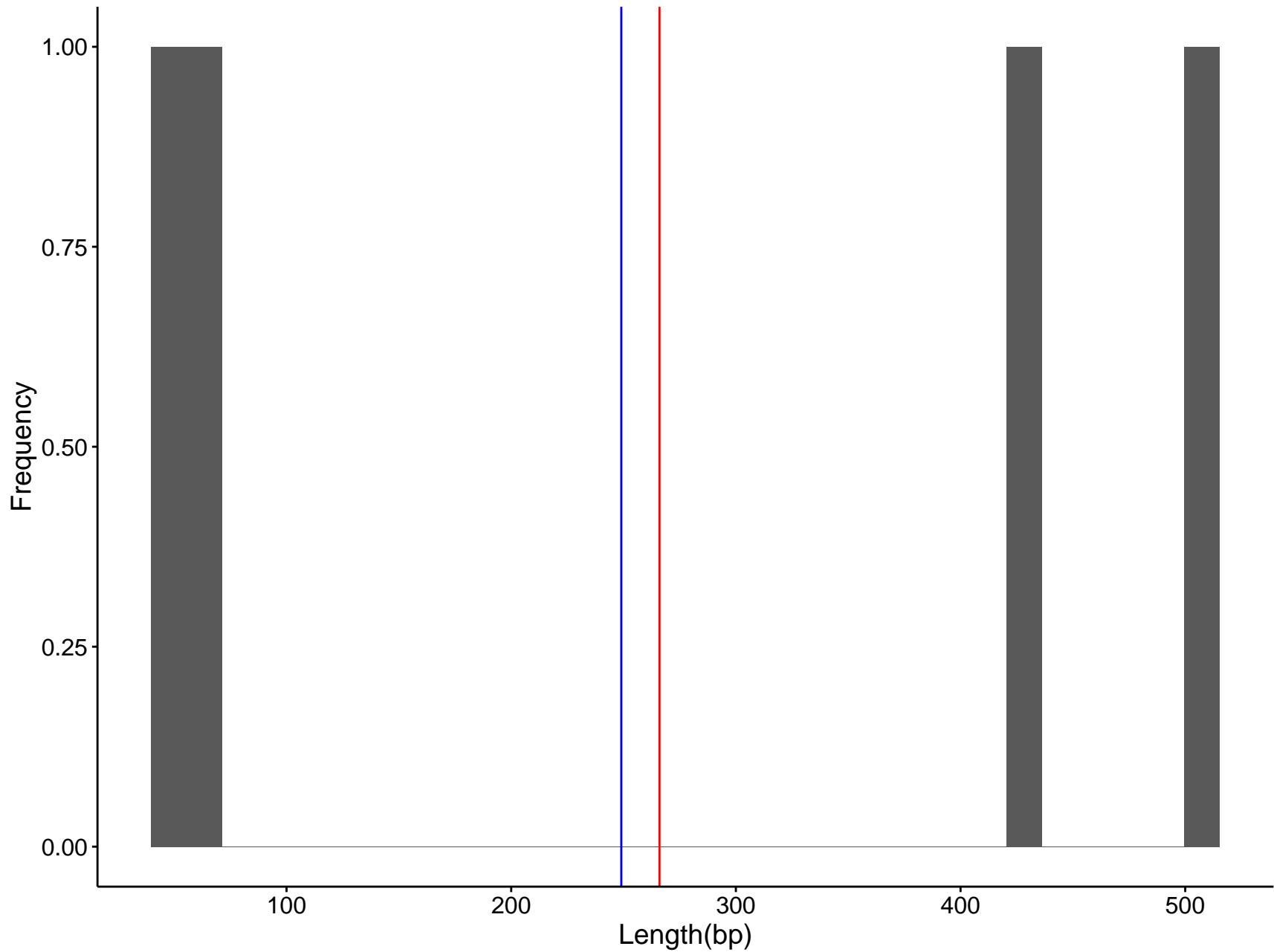
Cluster1296



Cluster129



Cluster1300



Cluster1301

Frequency

303.950

303.975

304.000

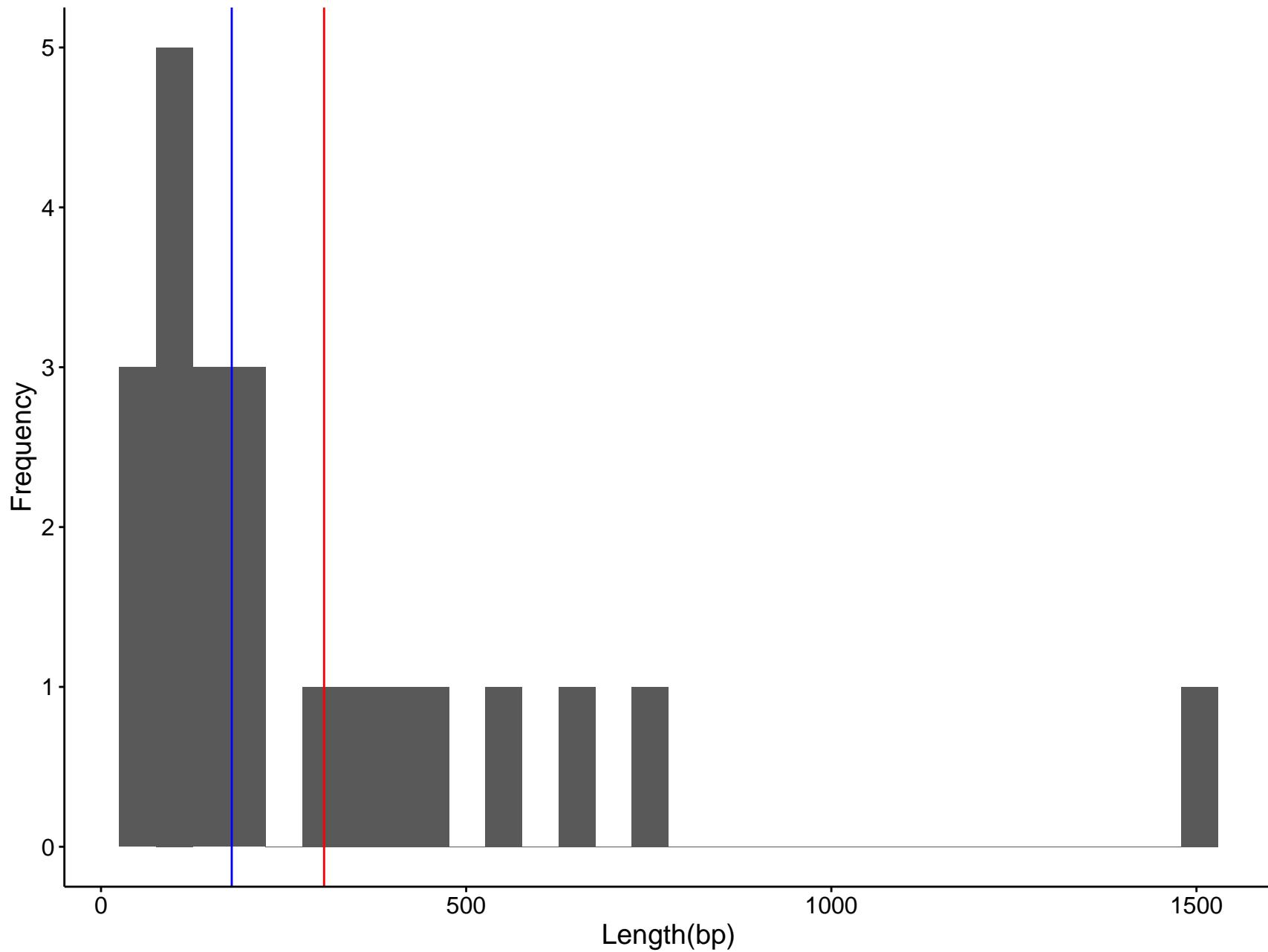
304.025

304.050

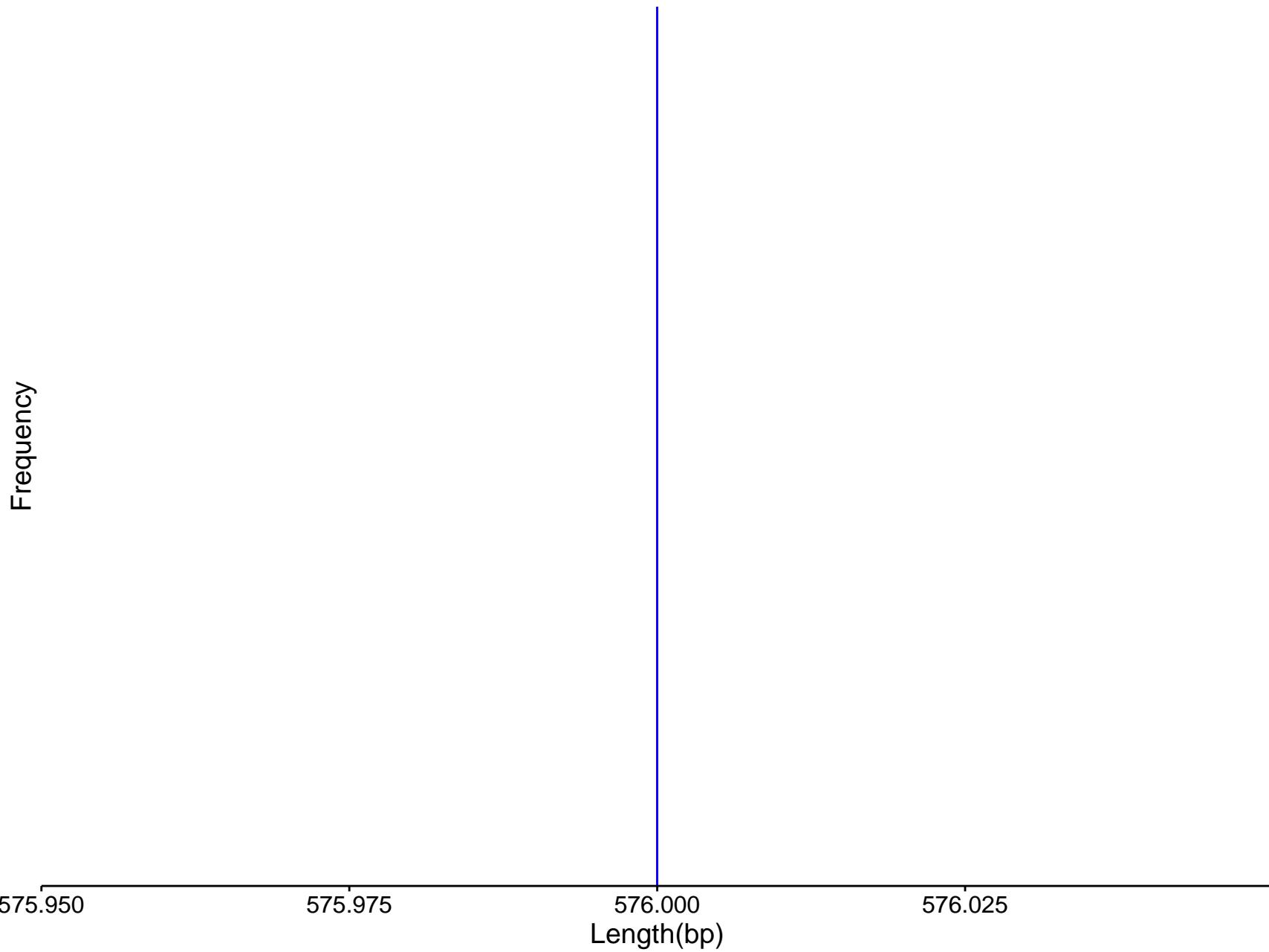
Length(bp)



Cluster1302



# Cluster1303



Cluster1305

Frequency

1459.950

1459.975

1460.000  
Length(bp)

1460.025

1460.



# Cluster1306

Frequency

141.950

141.975

142.000

142.025

142.050

Length(bp)



Cluster1307

Frequency

269.950

269.975

270.000

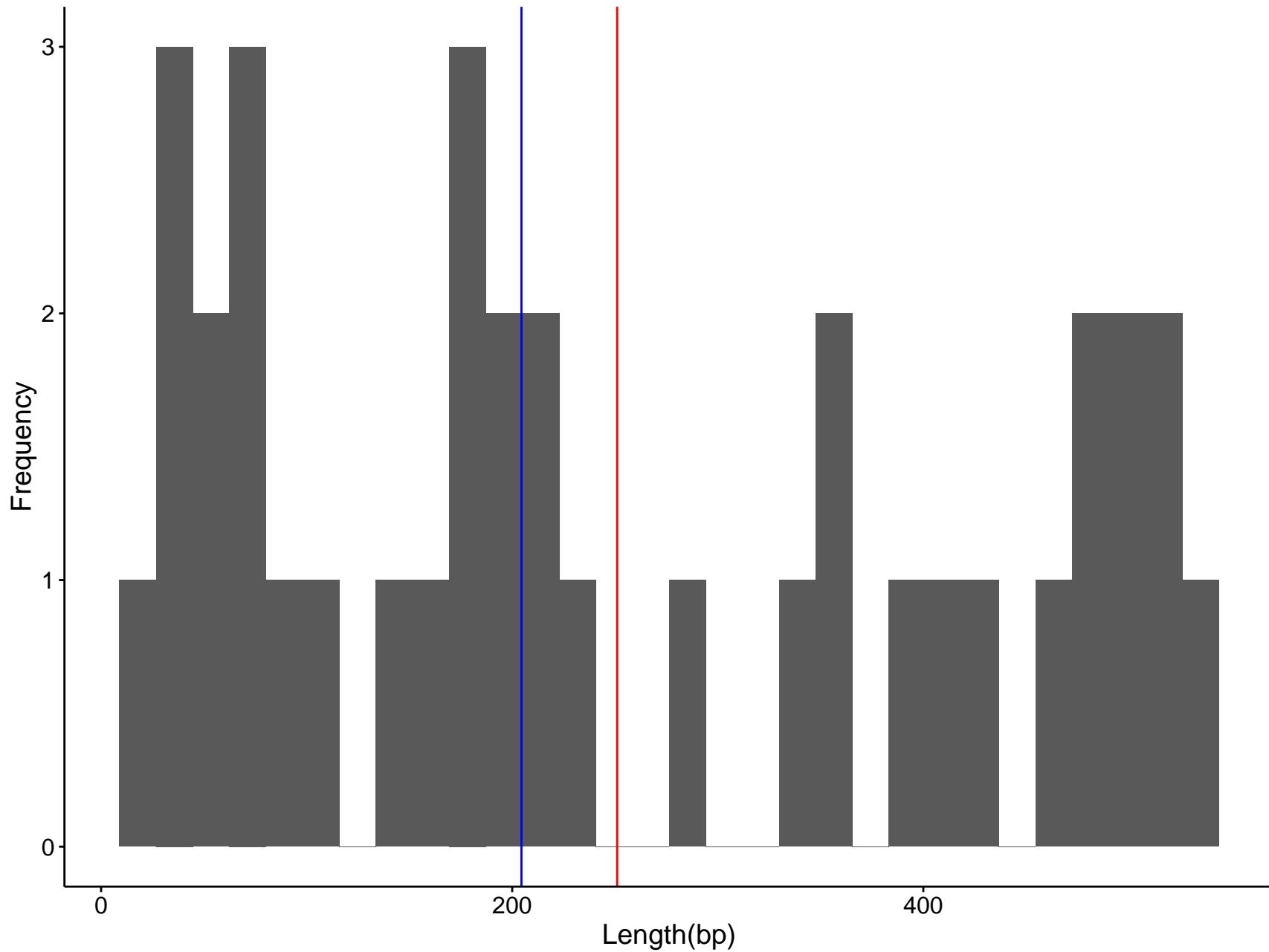
270.025

270.0

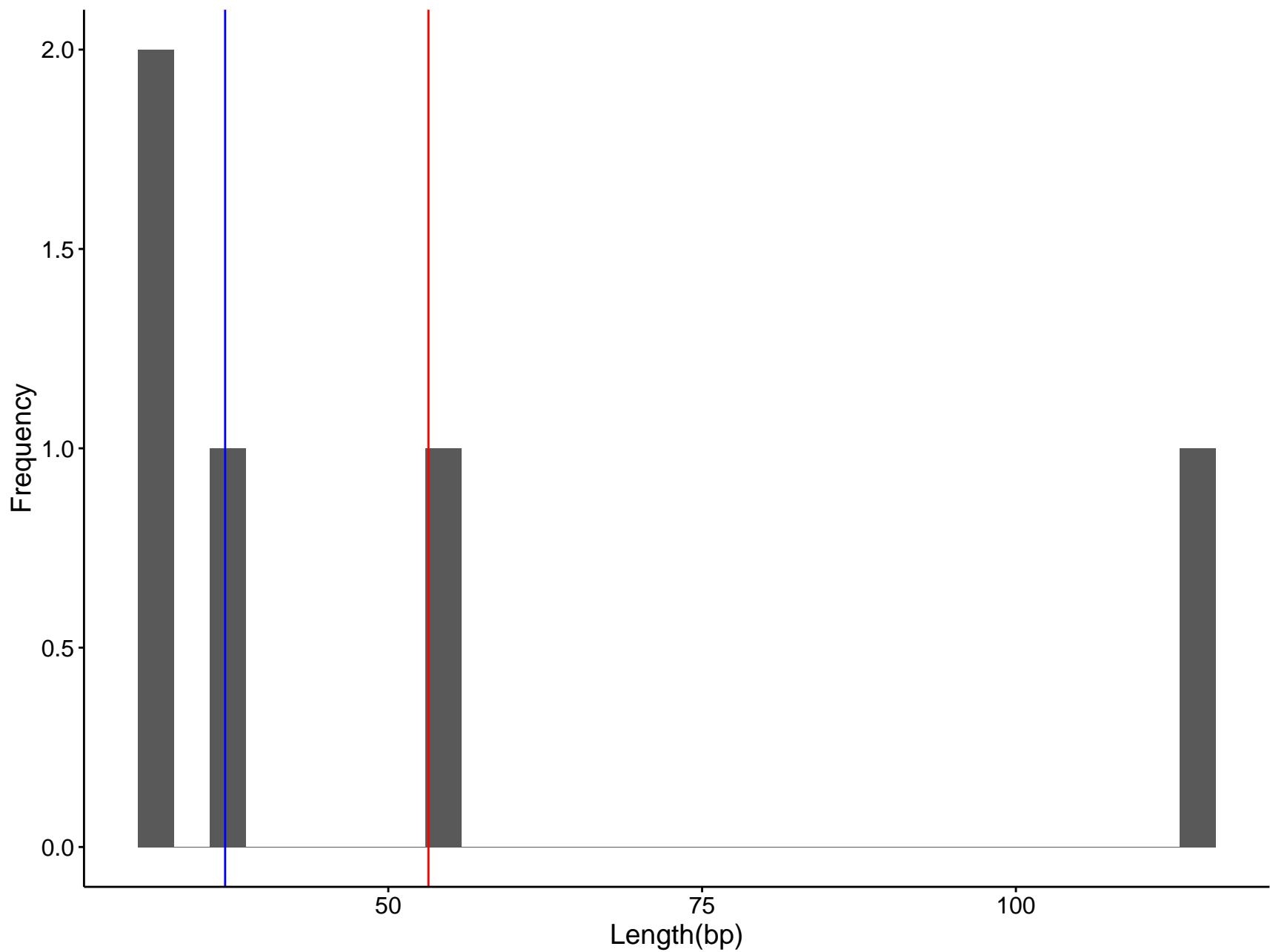
Length(bp)



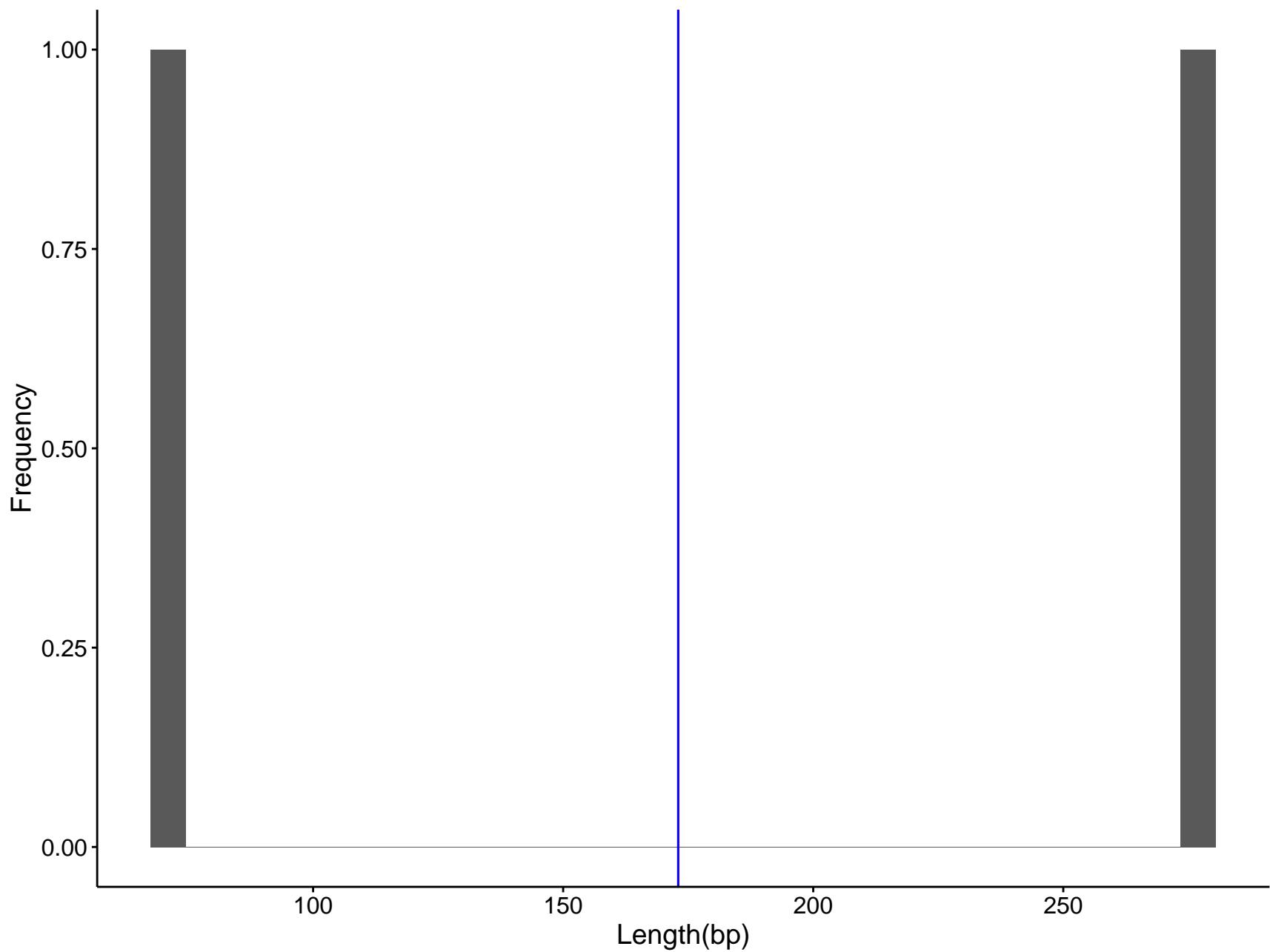
Cluster1308



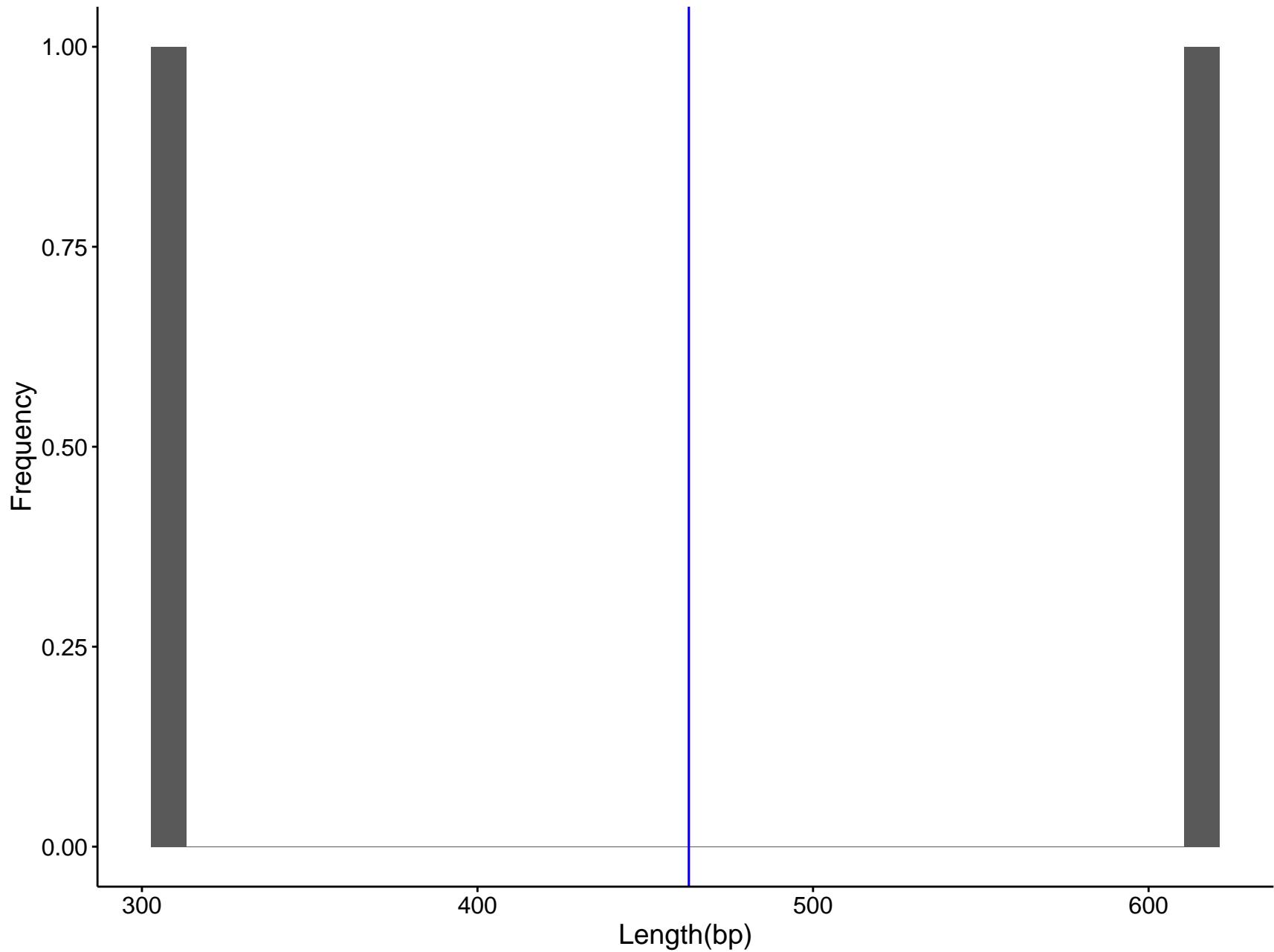
Cluster1309



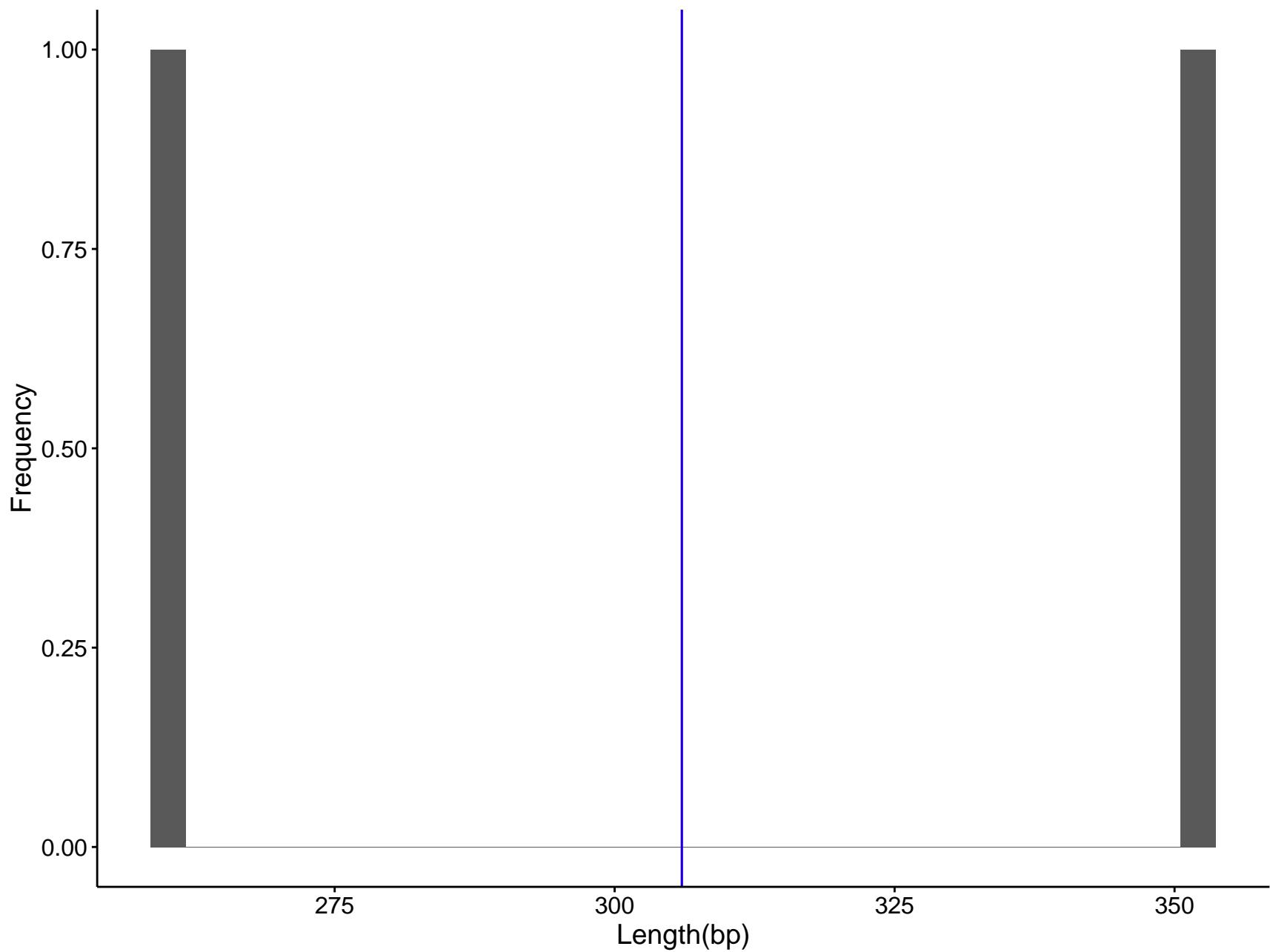
Cluster1311



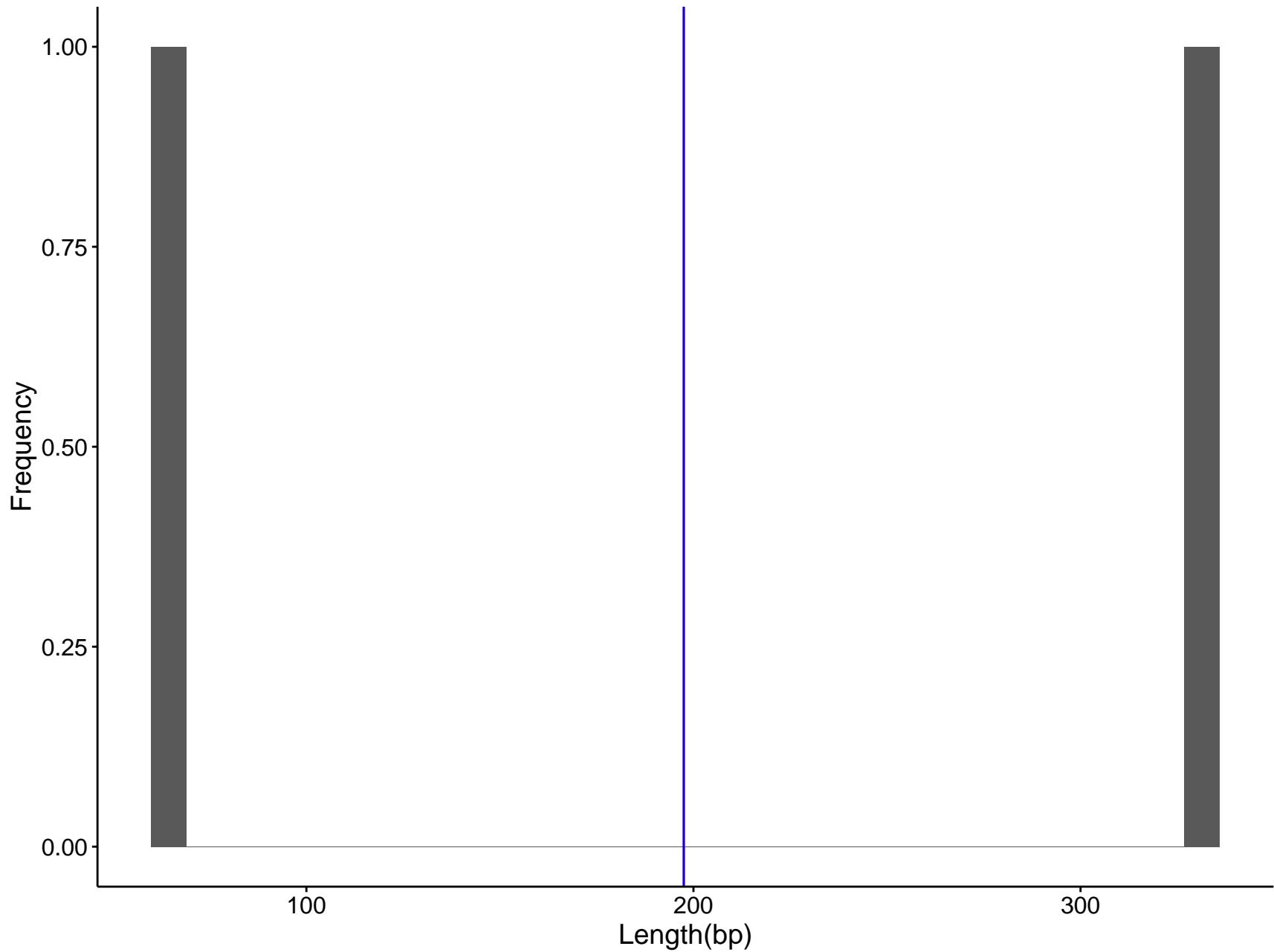
Cluster1316



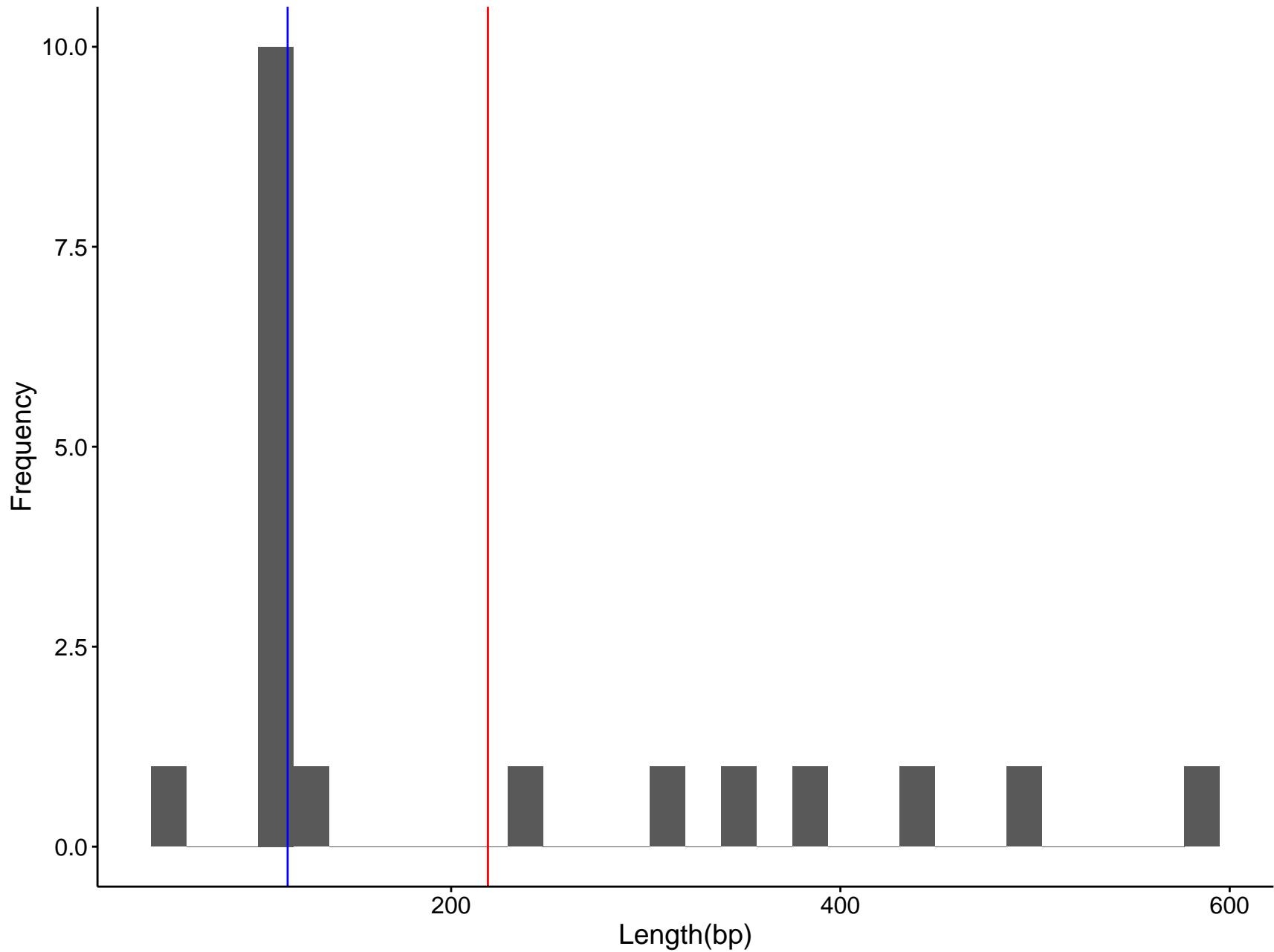
Cluster1317



Cluster1318



Cluster131



Cluster1320

Frequency

327.950

327.975

328.000

328.025

Length(bp)



Cluster1321

Frequency

739.950

739.975

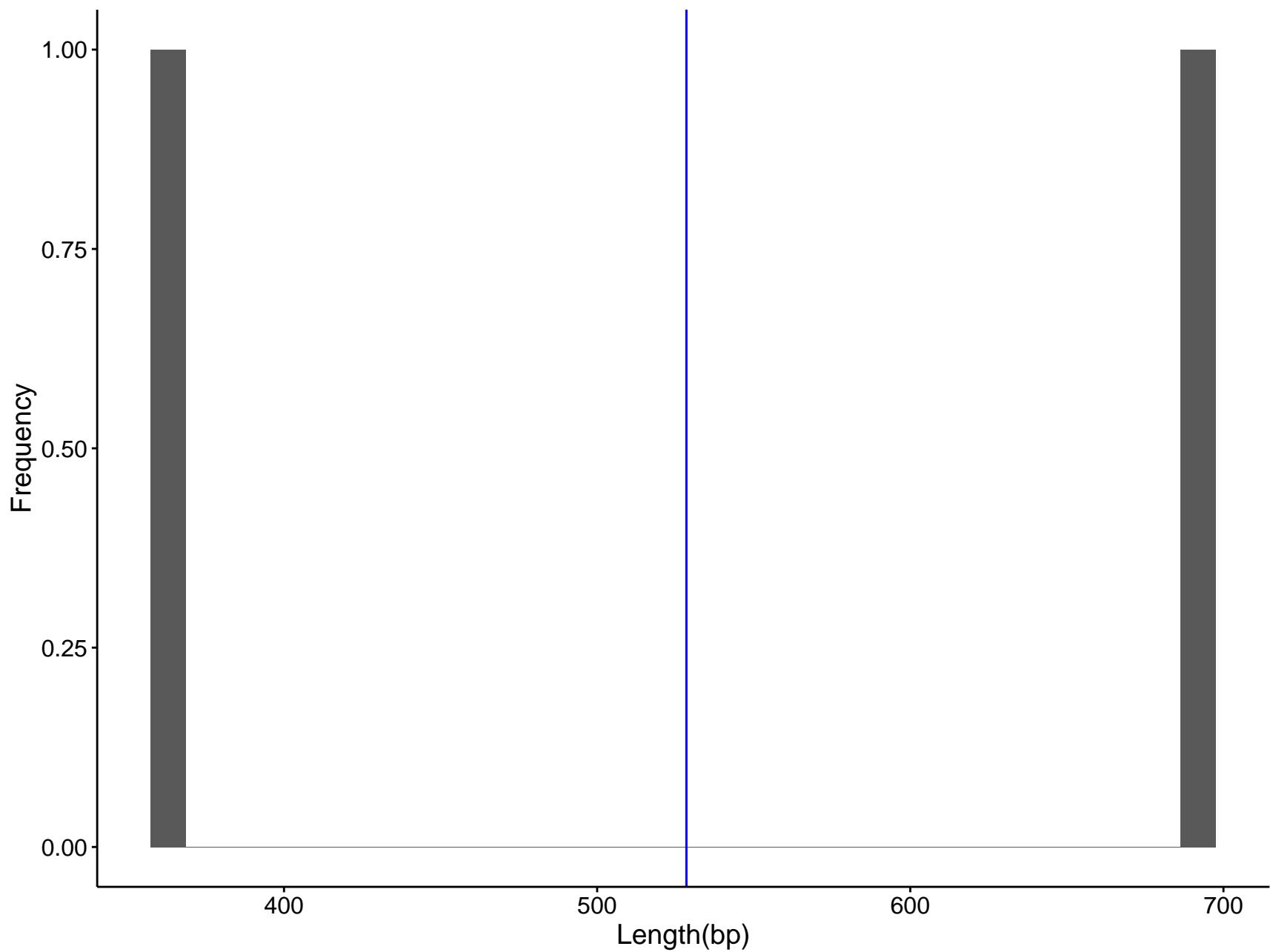
740.000

740.025

Length(bp)



Cluster1322



Cluster1323

Frequency

320.950

320.975

321.000

321.025

Length(bp)



Cluster1325

Frequency

329.950

329.975

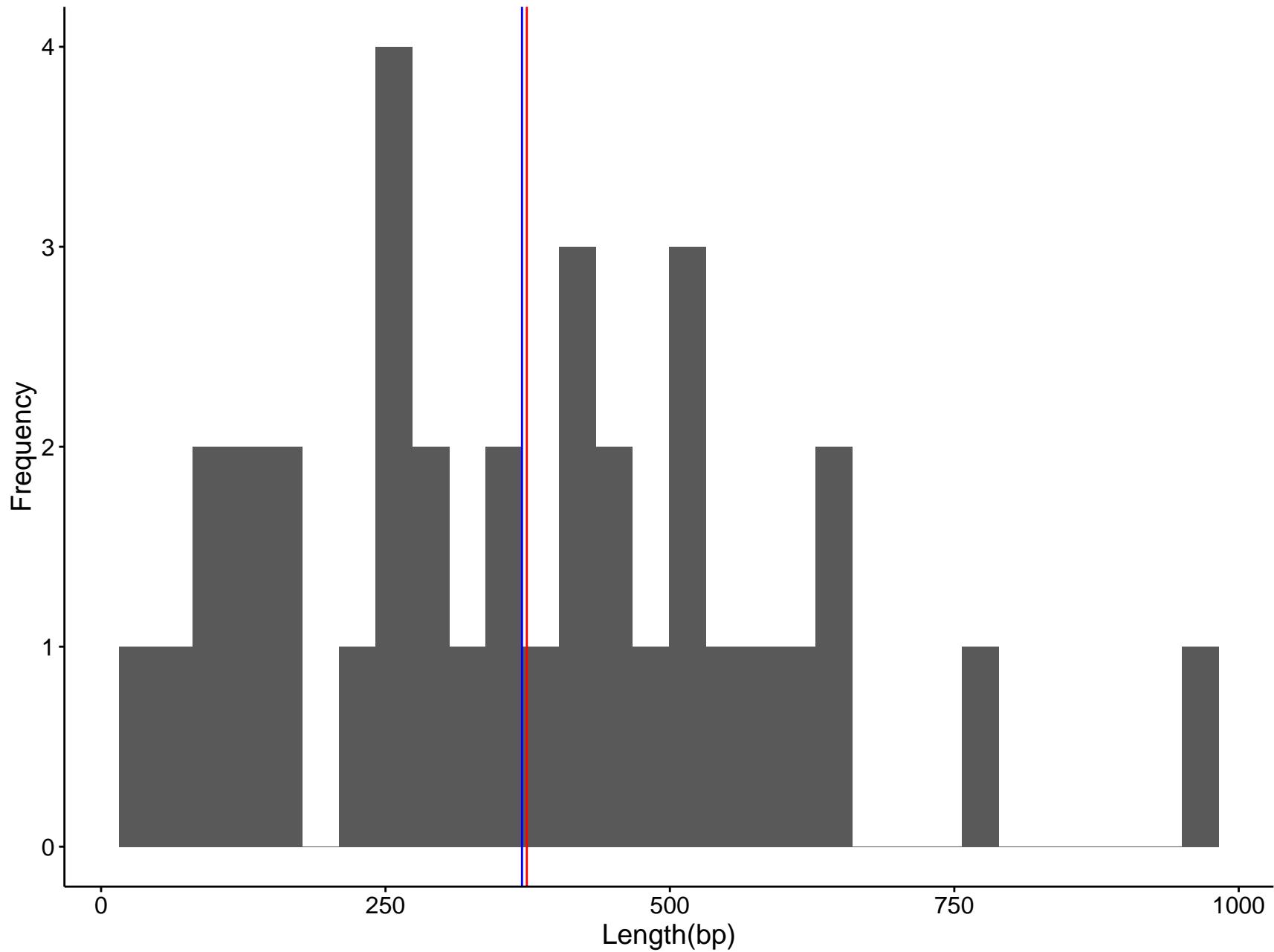
330.000

330.025

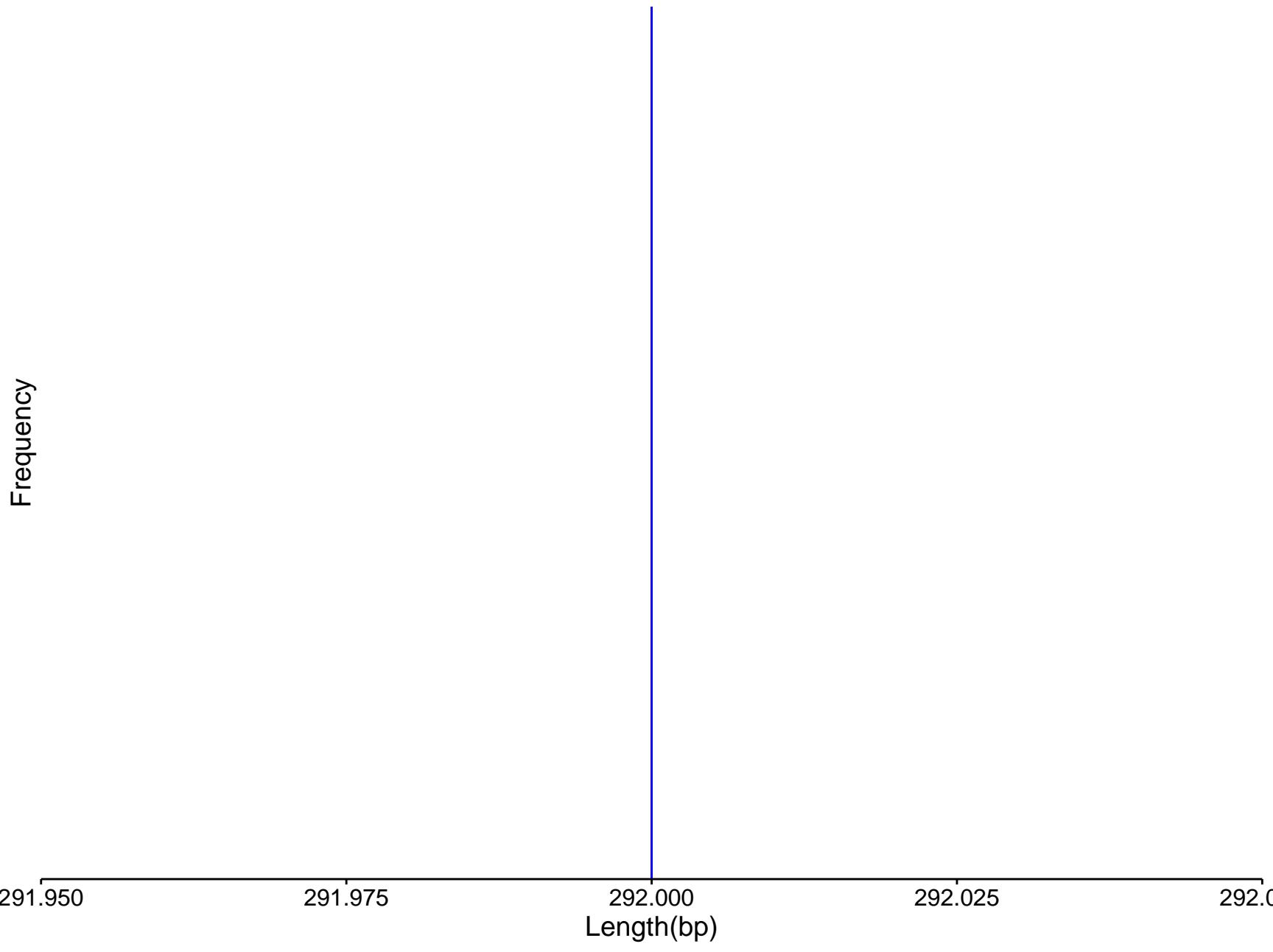
Length(bp)



Cluster1326



# Cluster1328



Cluster1329

Frequency

657.950

657.975

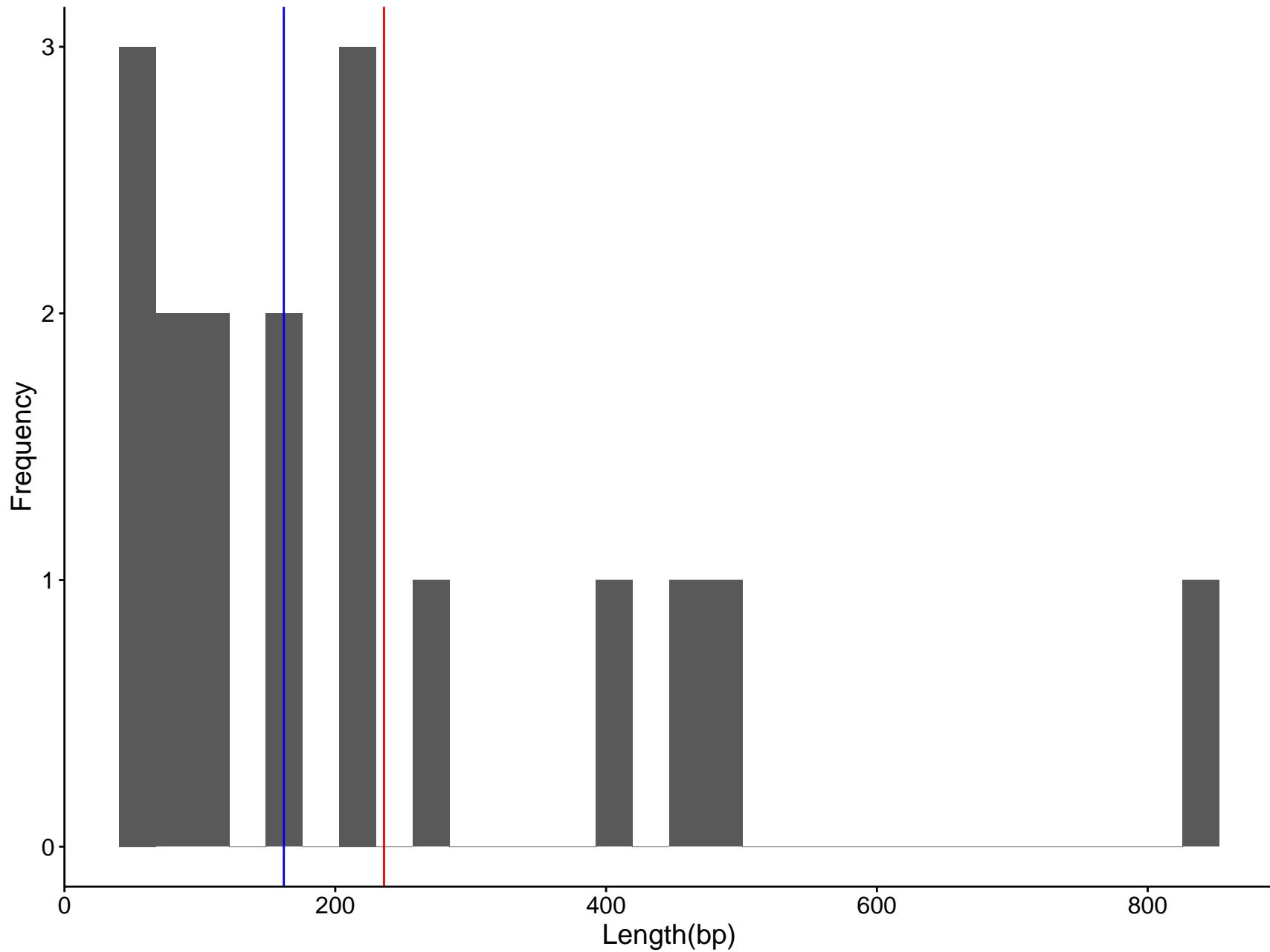
658.000

658.025

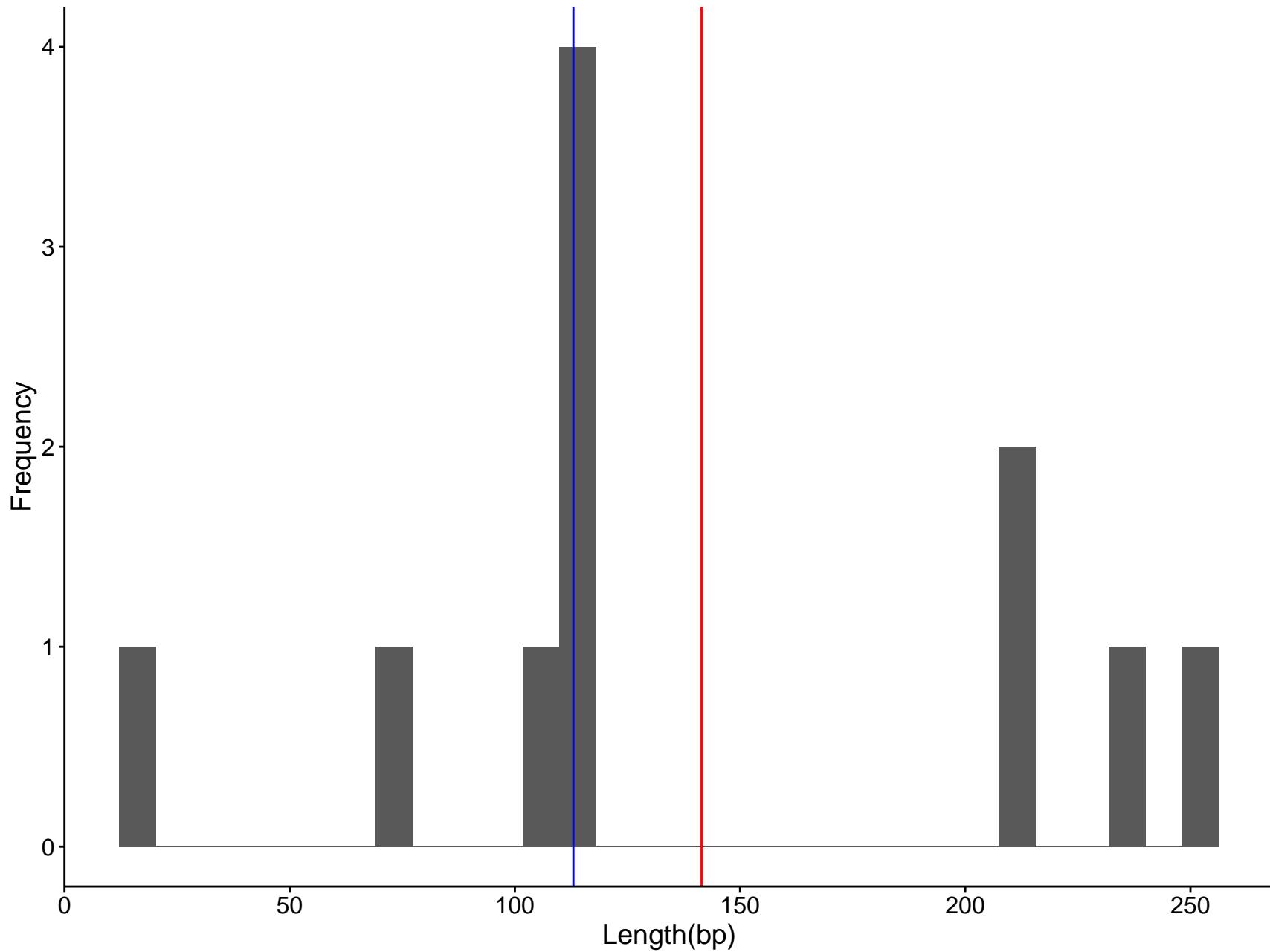
Length(bp)



Cluster1330



Cluster1333



# Cluster1335

Frequency

450.950

450.975

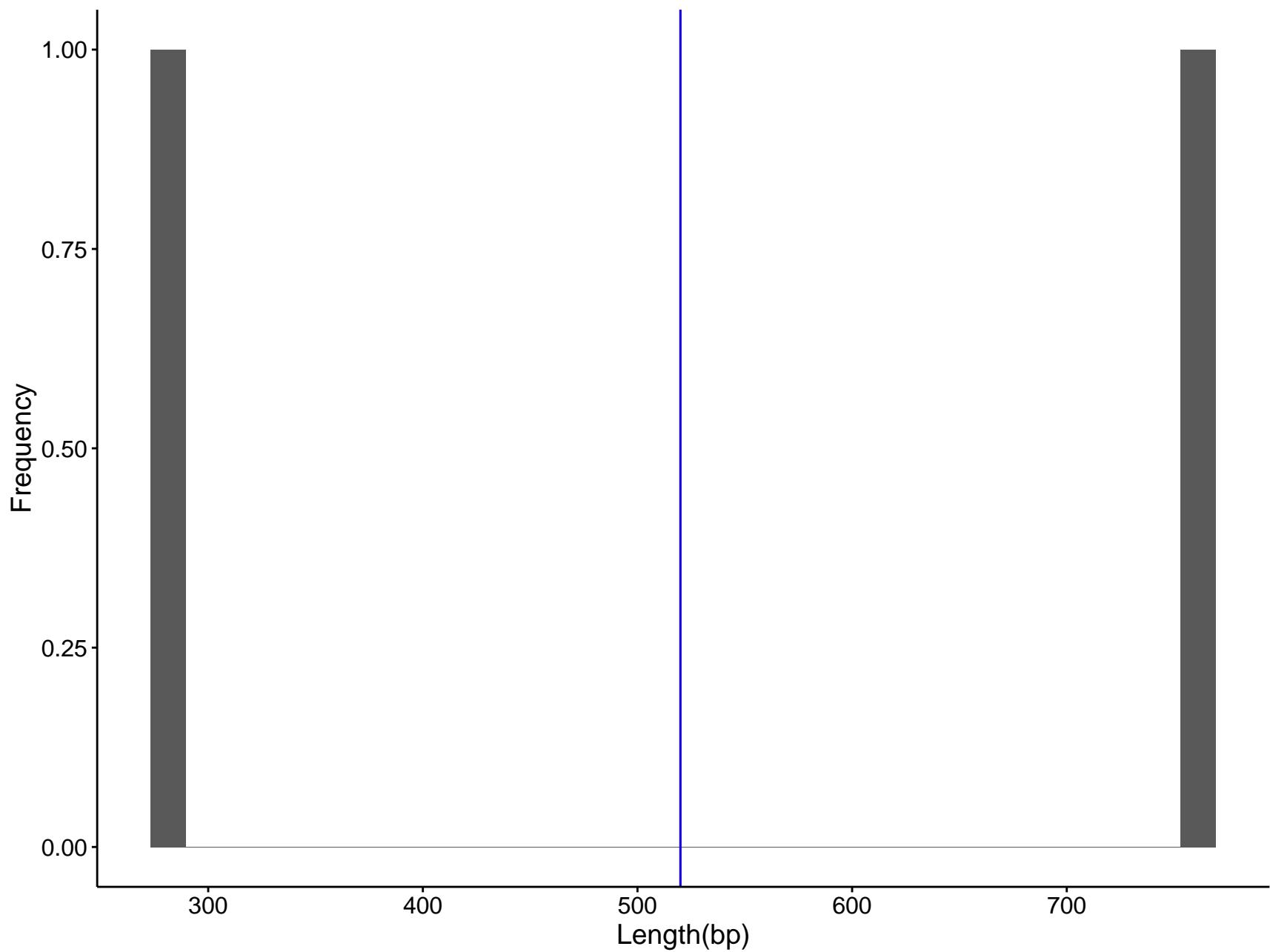
451.000

451.025

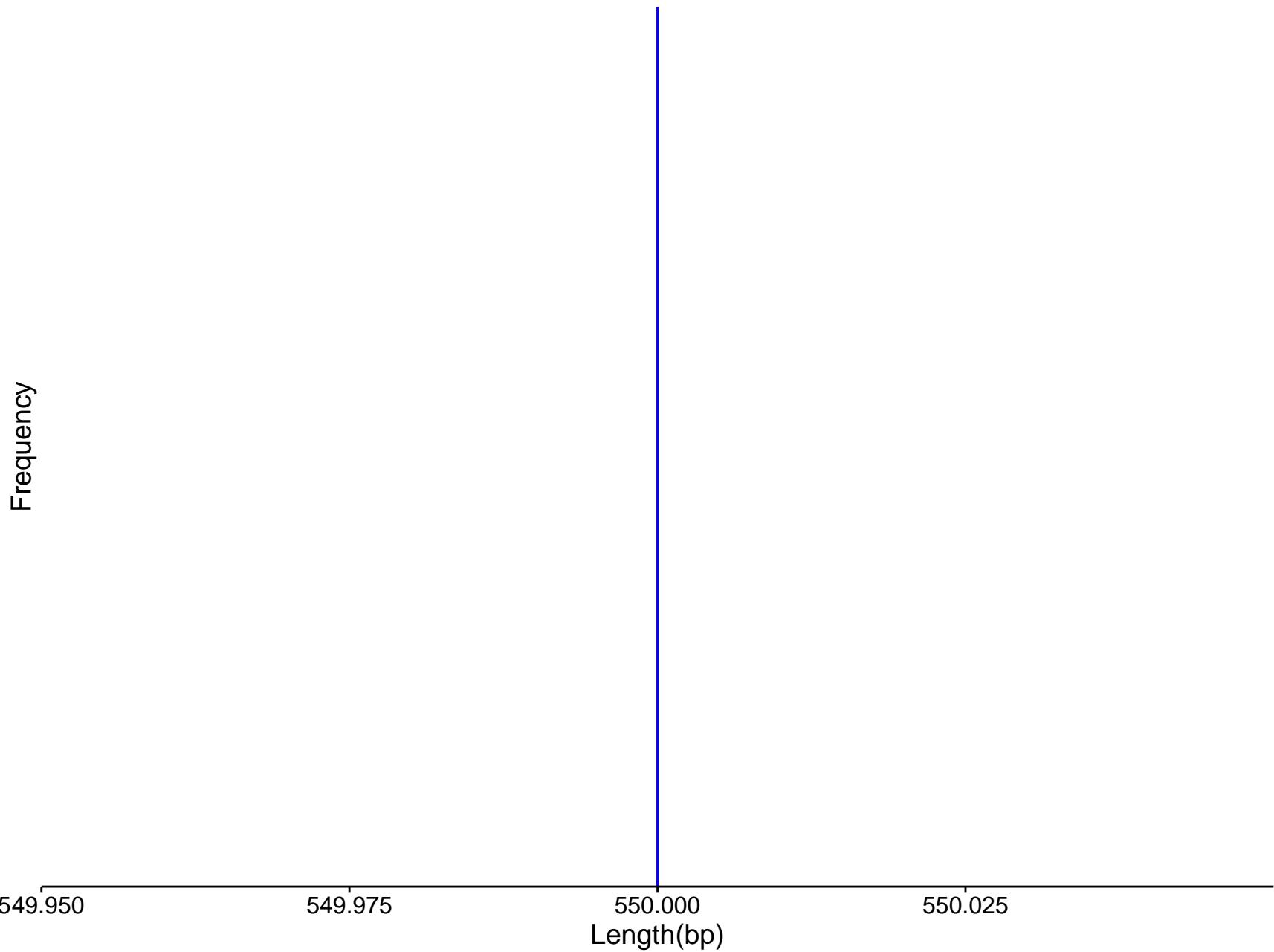
Length(bp)



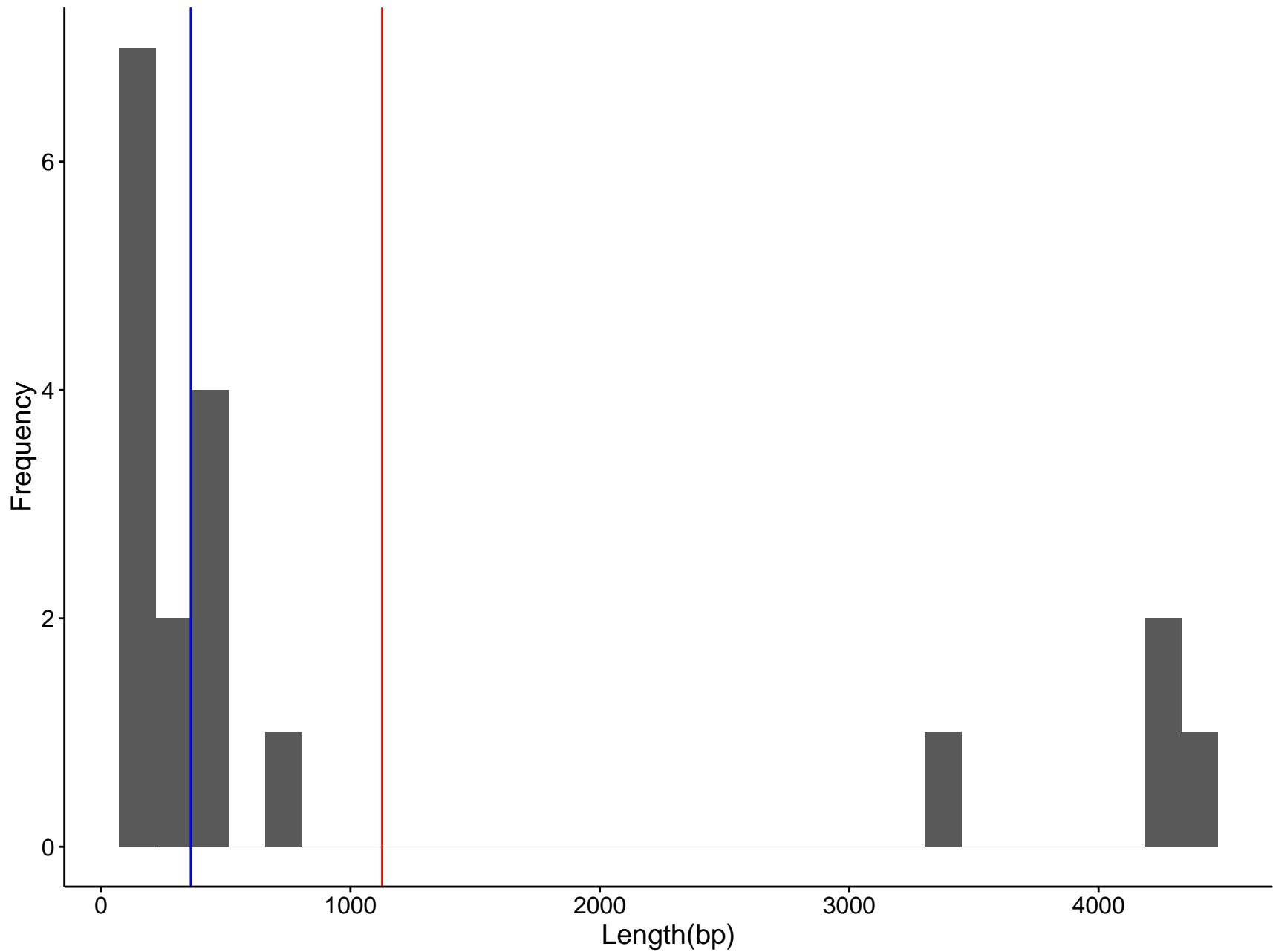
Cluster1336



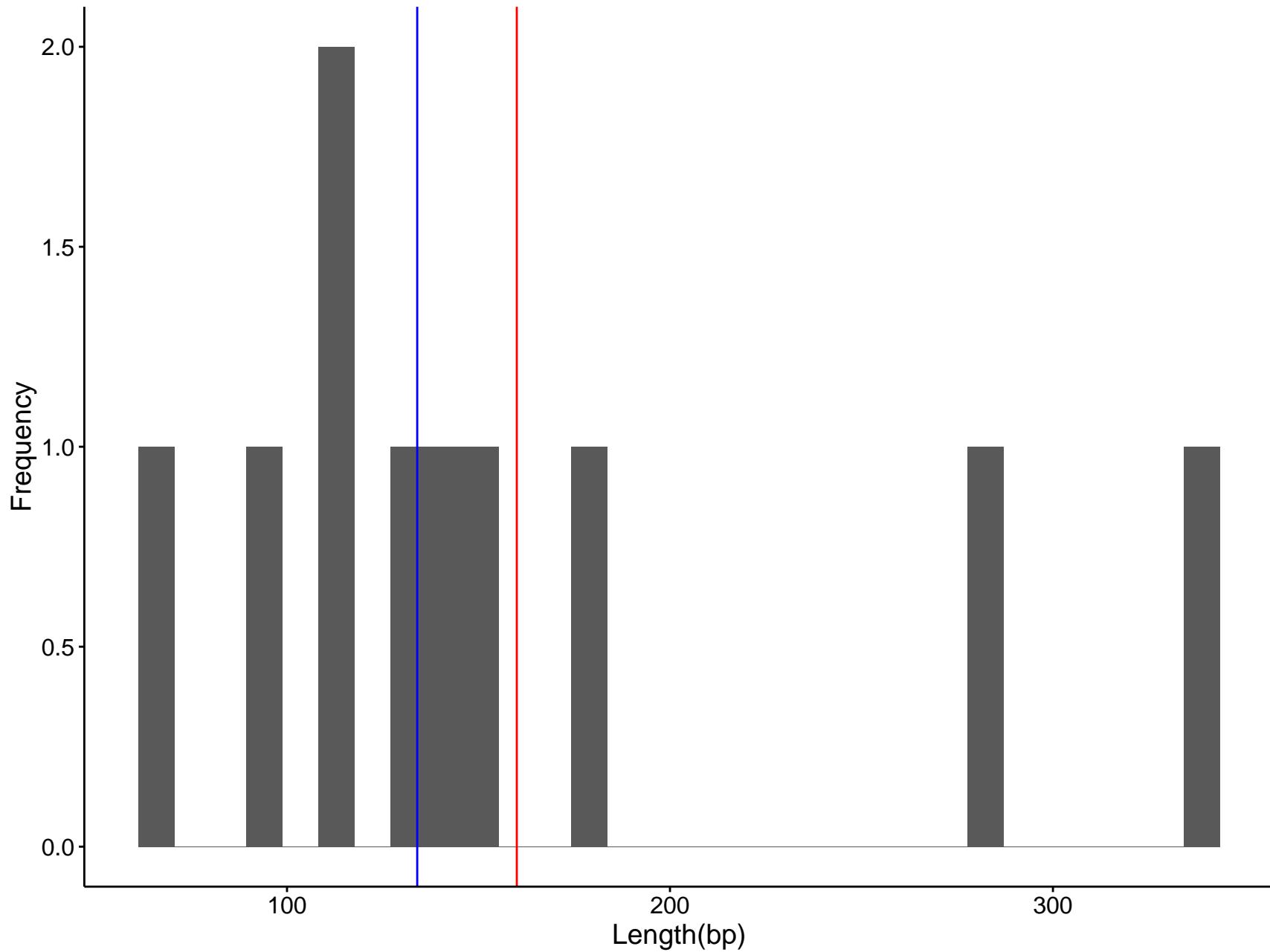
Cluster1338



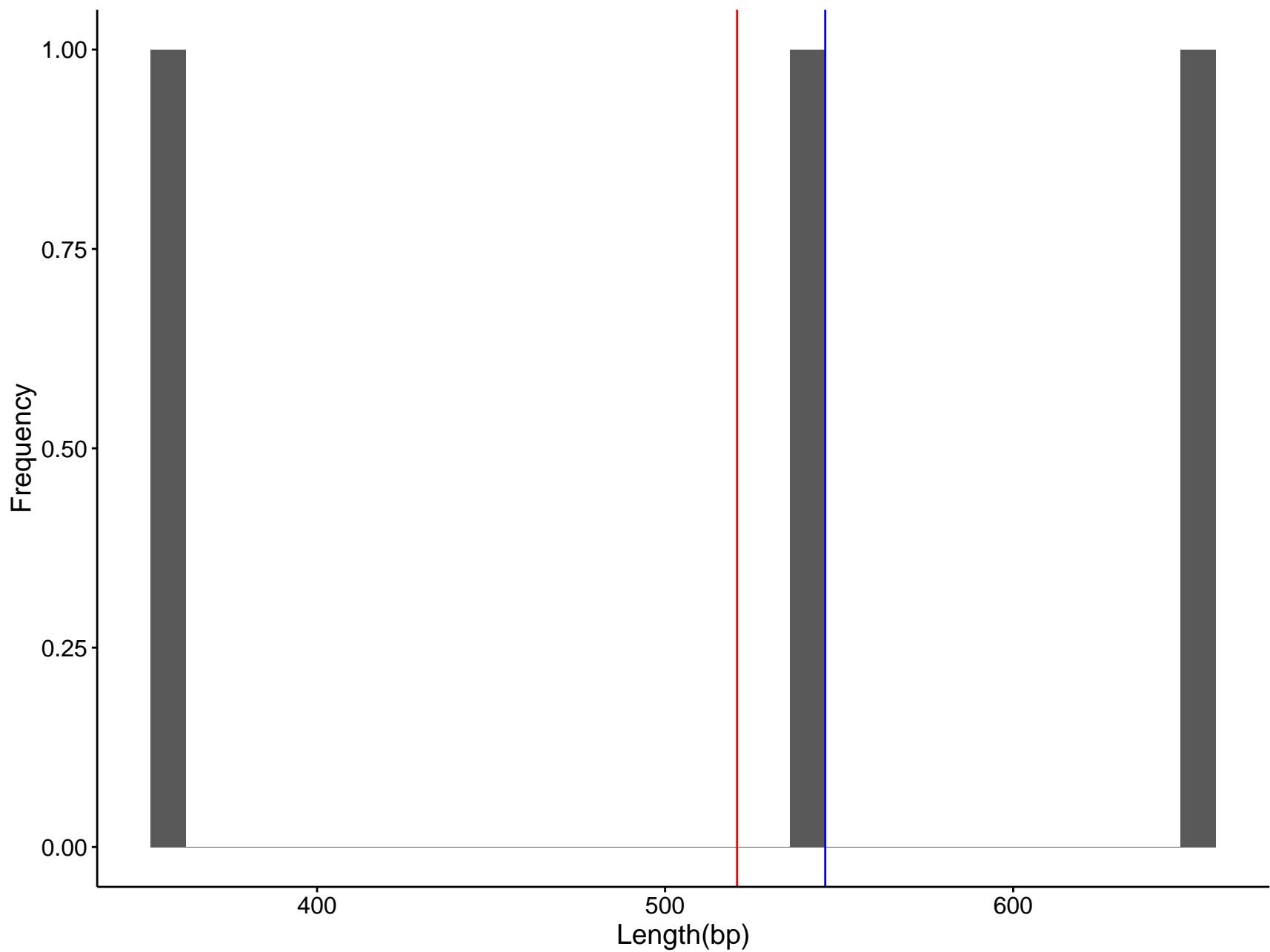
Cluster1339



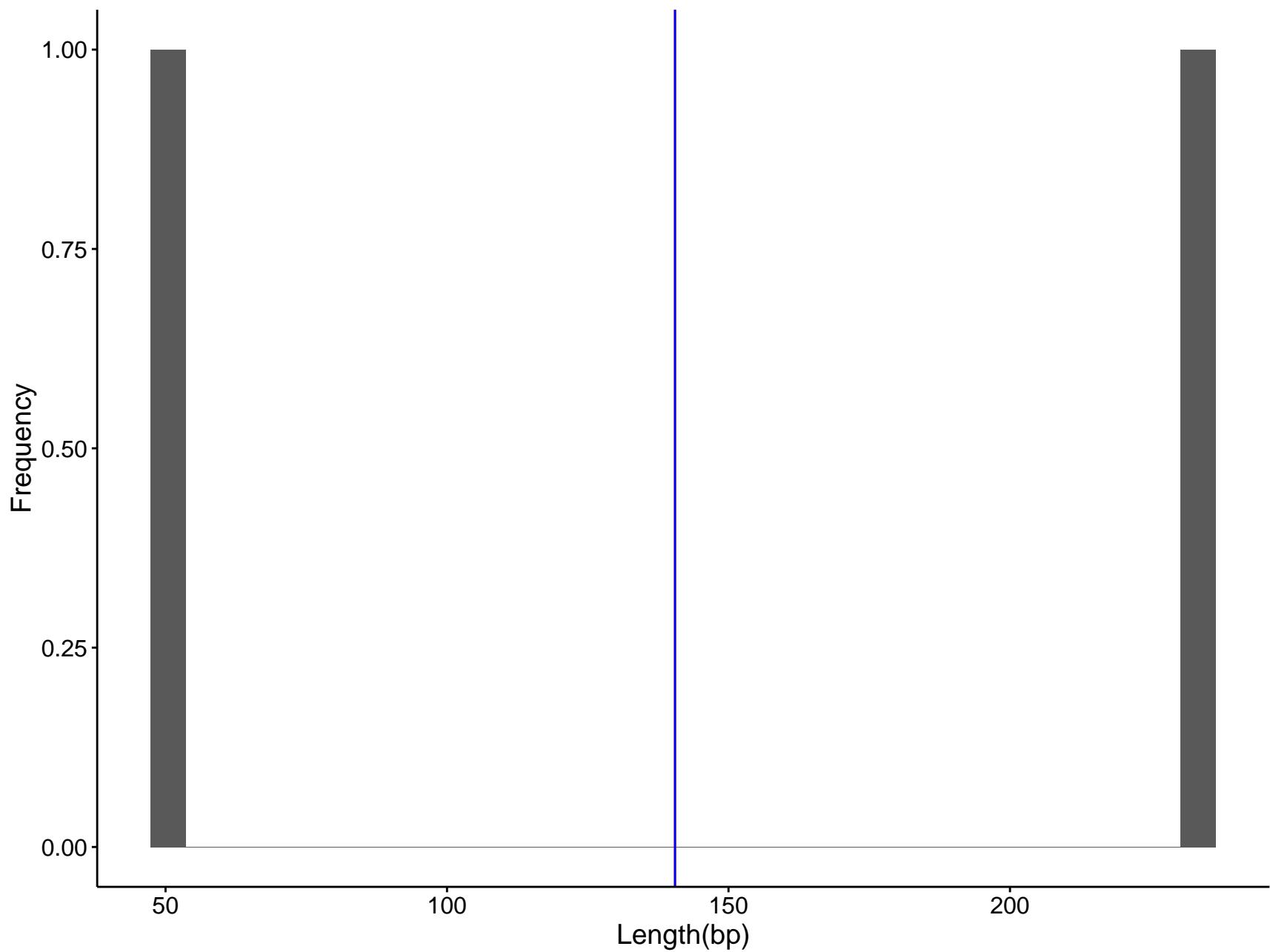
Cluster133



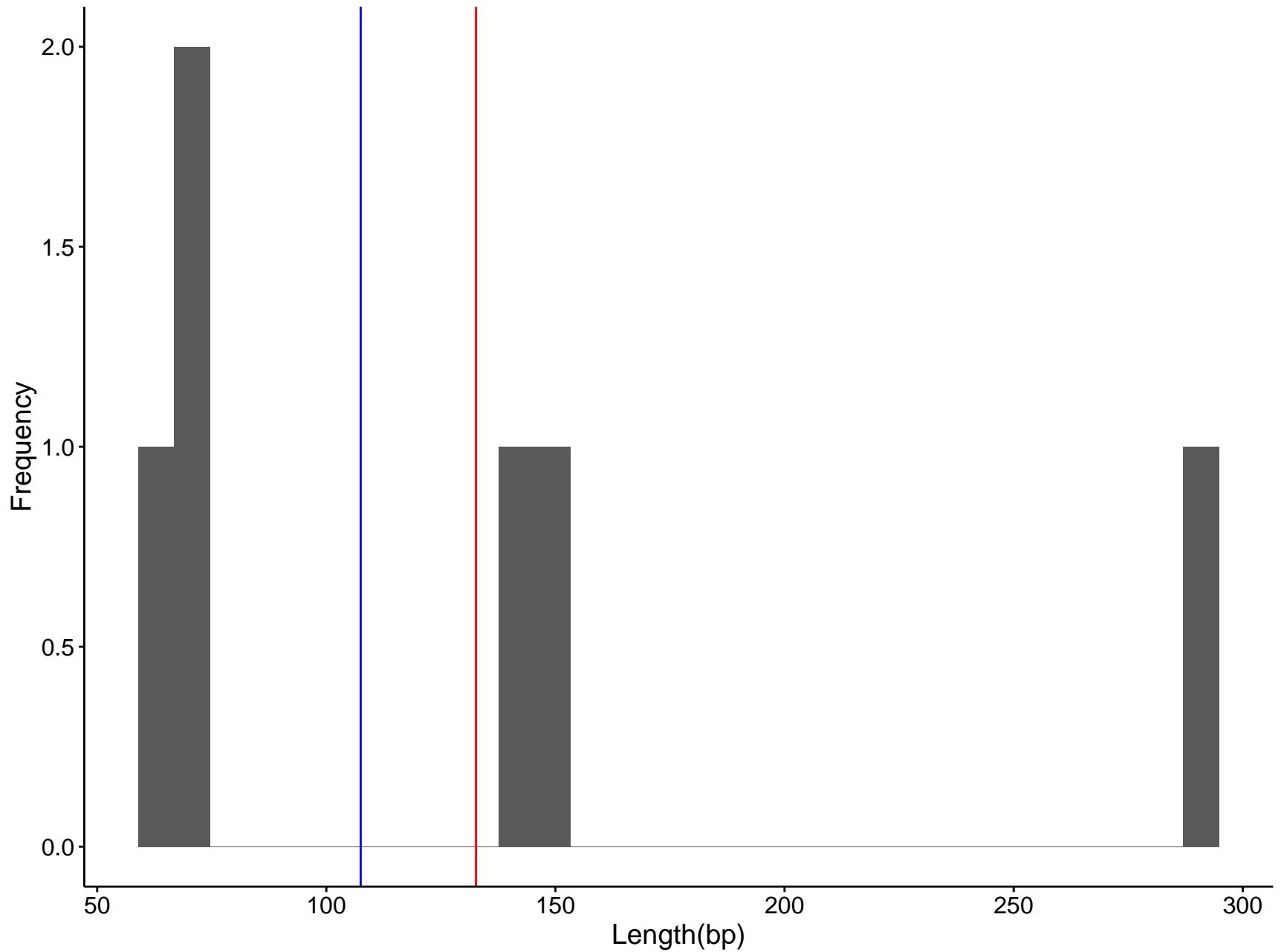
Cluster1340



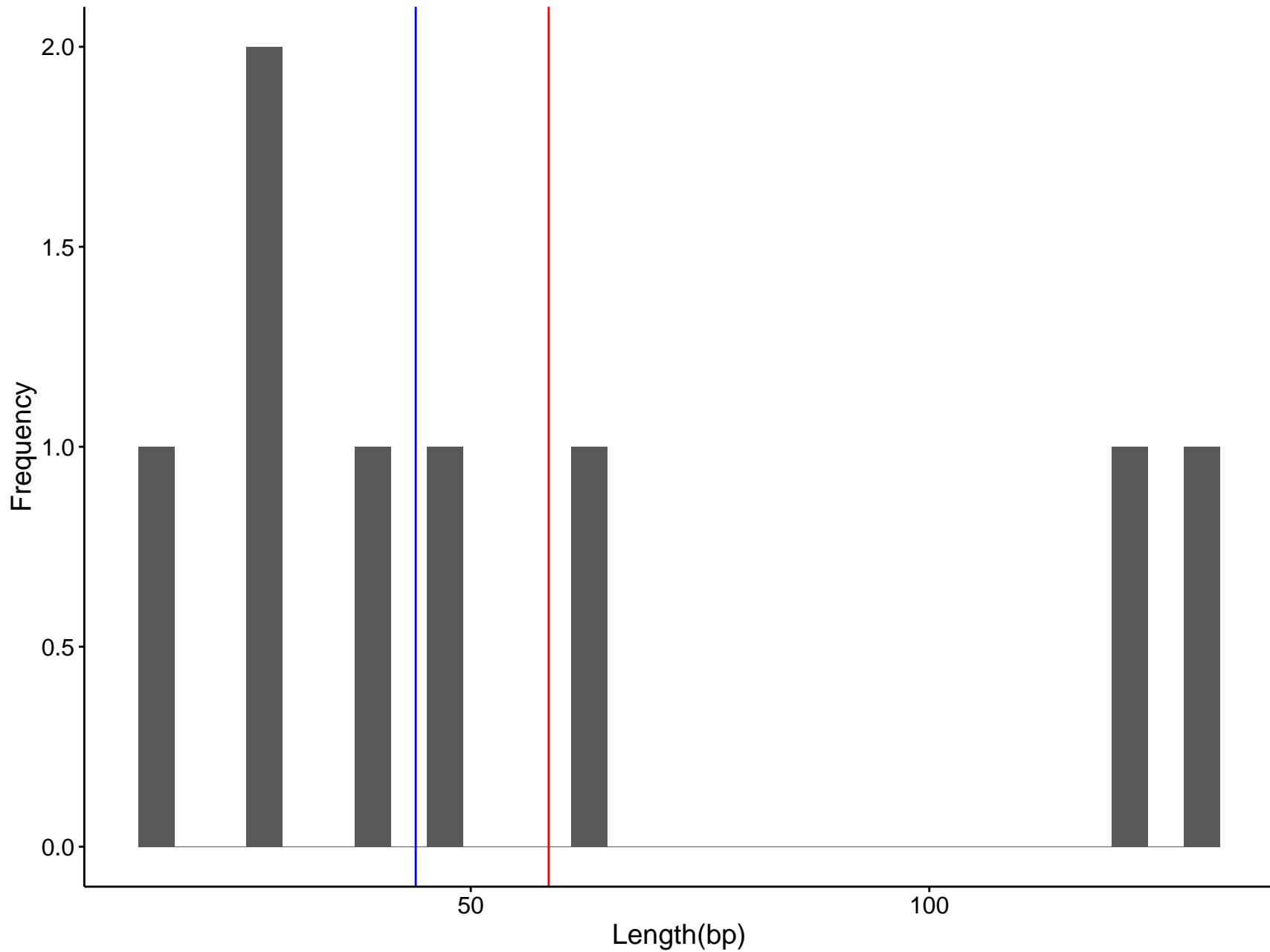
Cluster1341



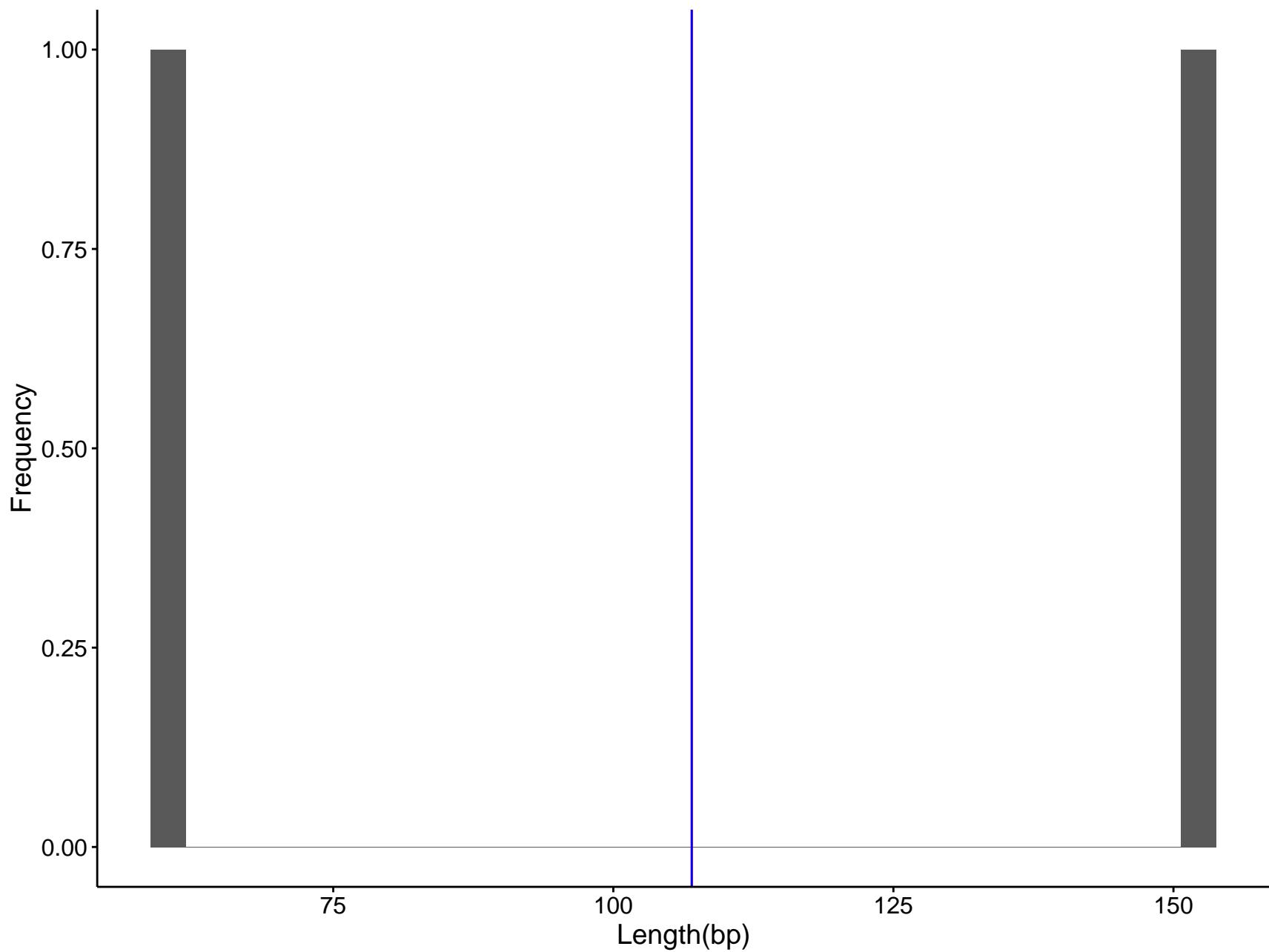
Cluster134



Cluster1351



Cluster1353



# Cluster1355

Frequency

56.950

56.975

57.000

57.025

Length(bp)



# Cluster1356

Frequency

65.950

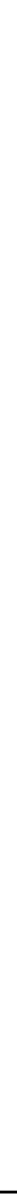
65.975

66.000

66.025

66.0

Length(bp)



# Cluster135

Frequency

322.950

322.975

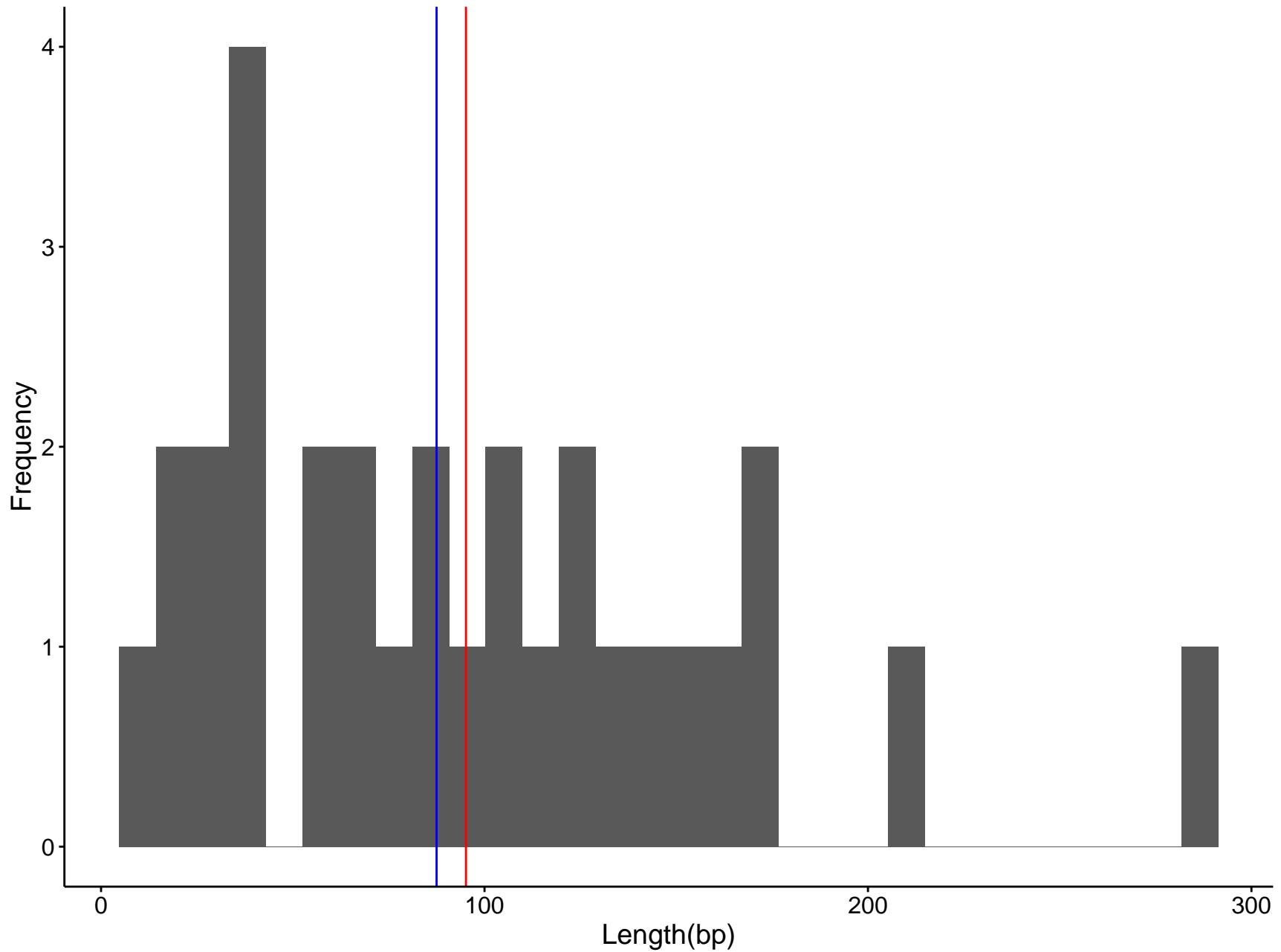
323.000

323.025

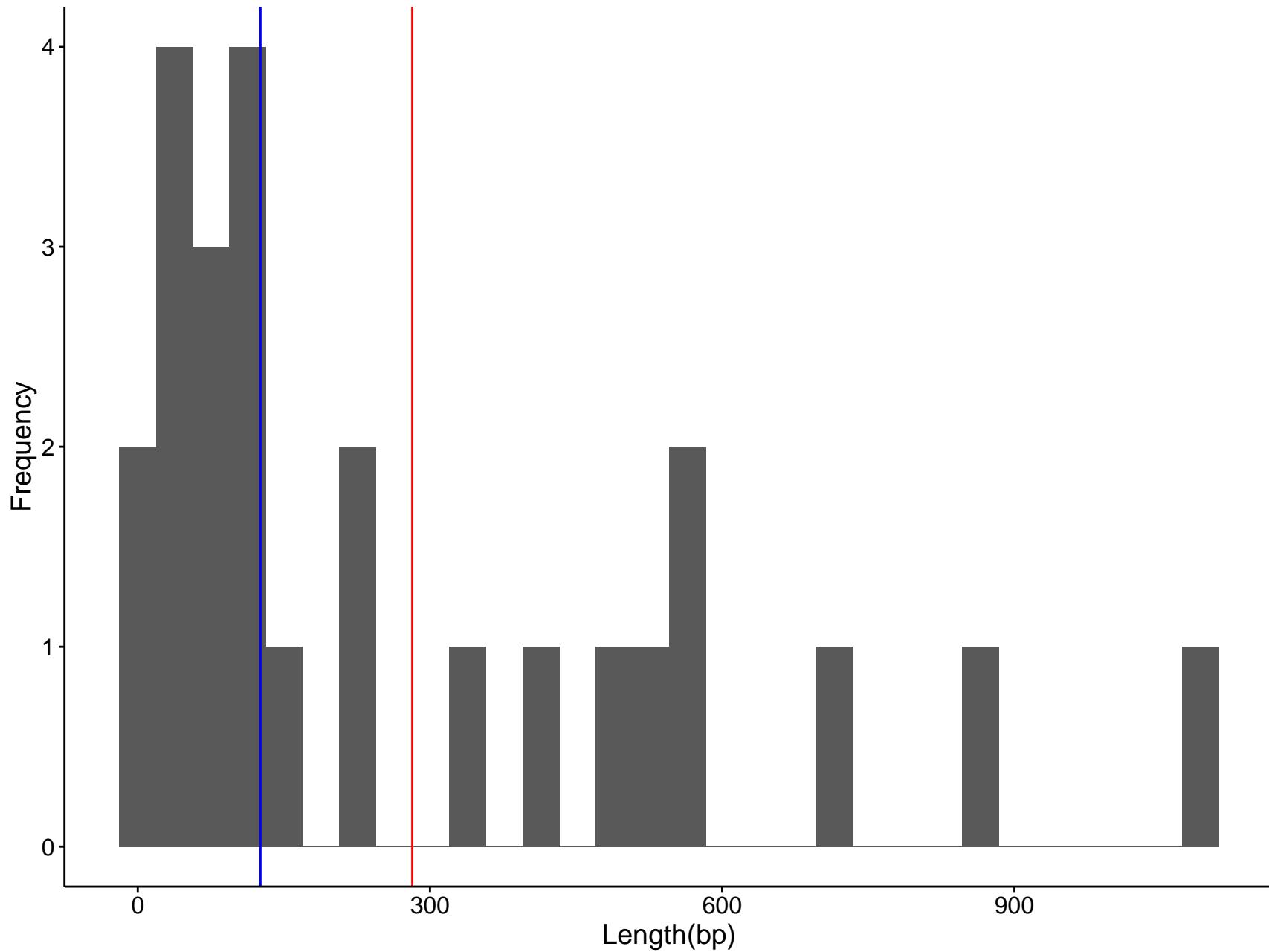
Length(bp)



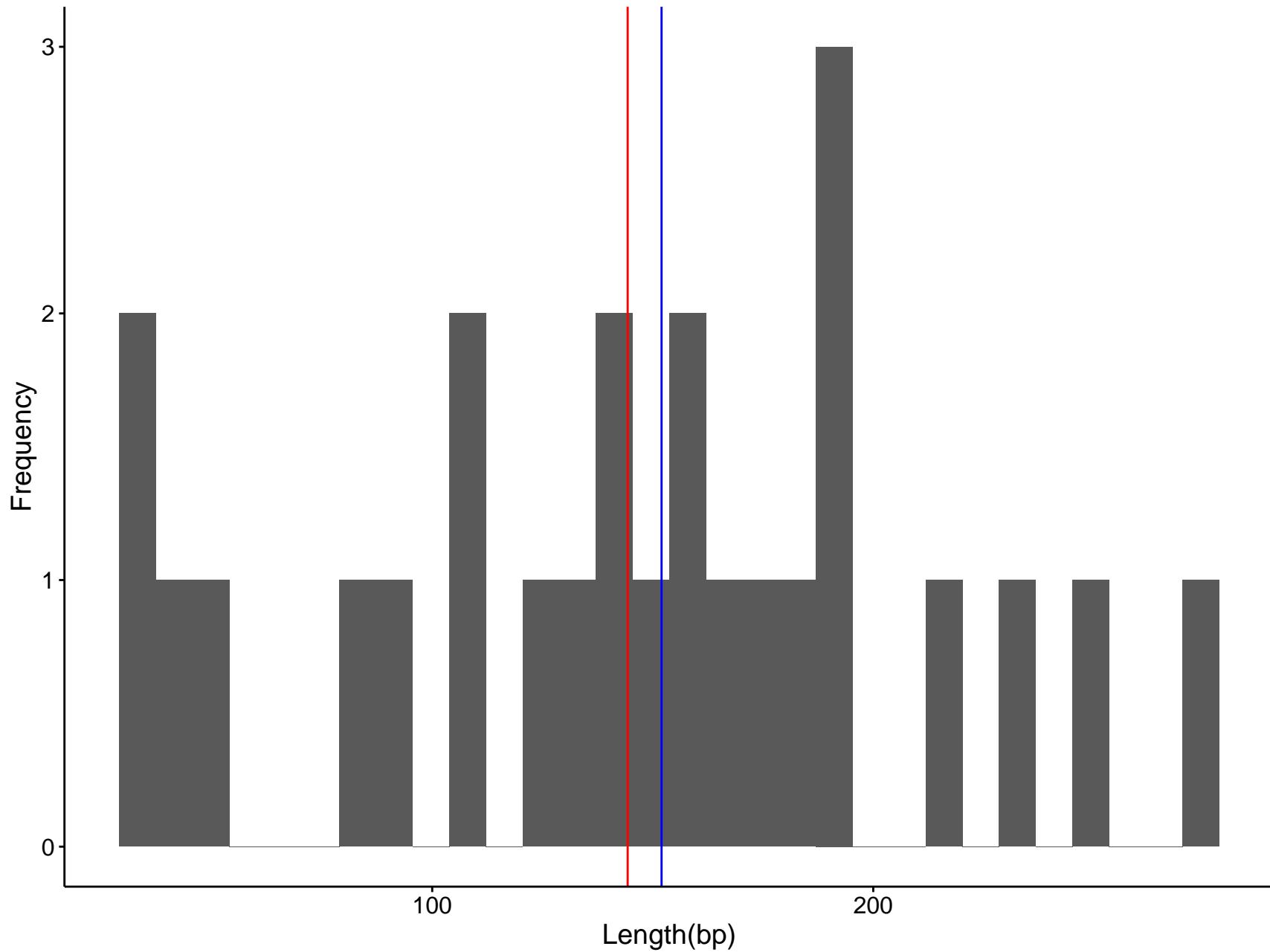
Cluster1362



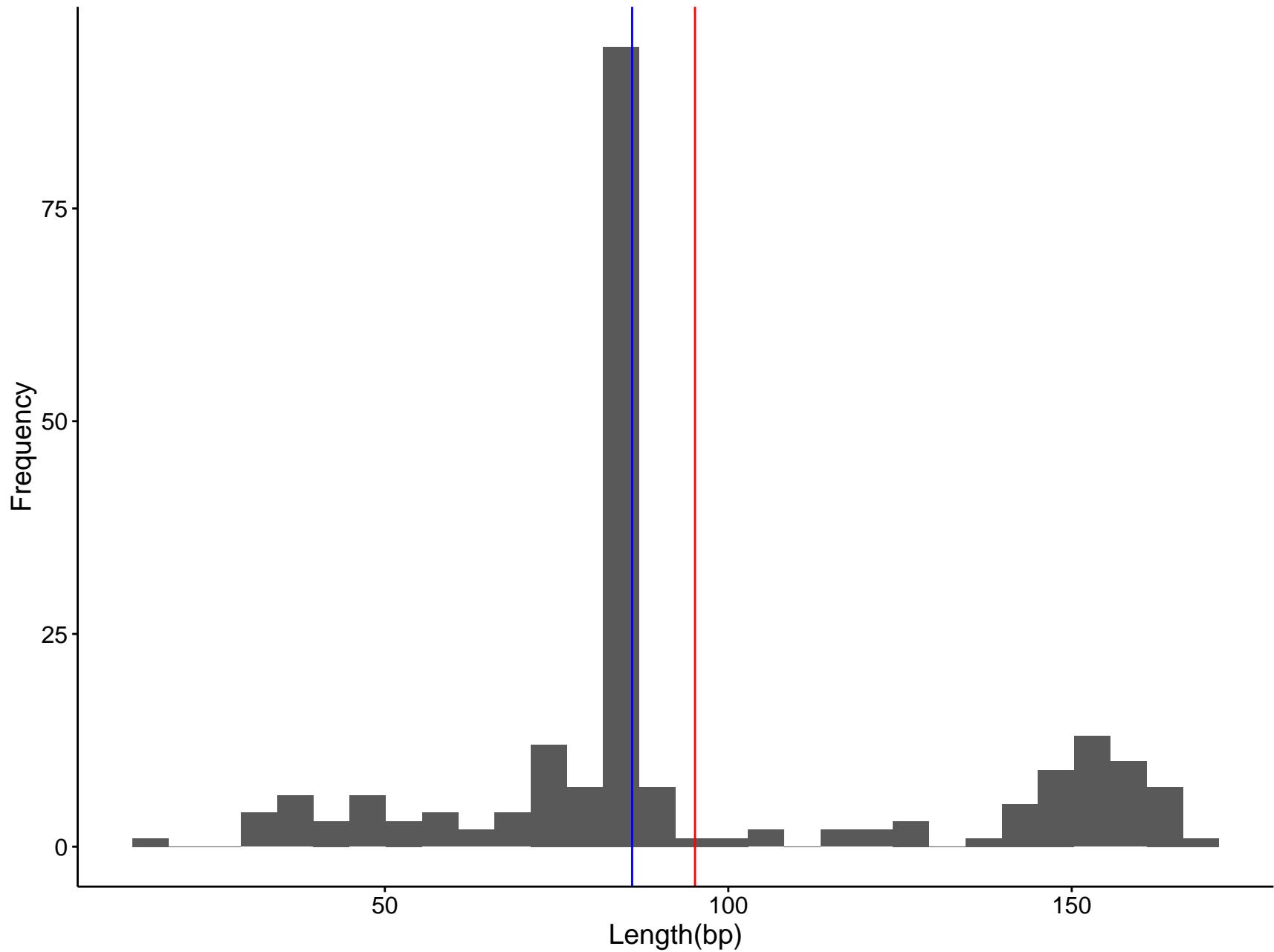
Cluster1366



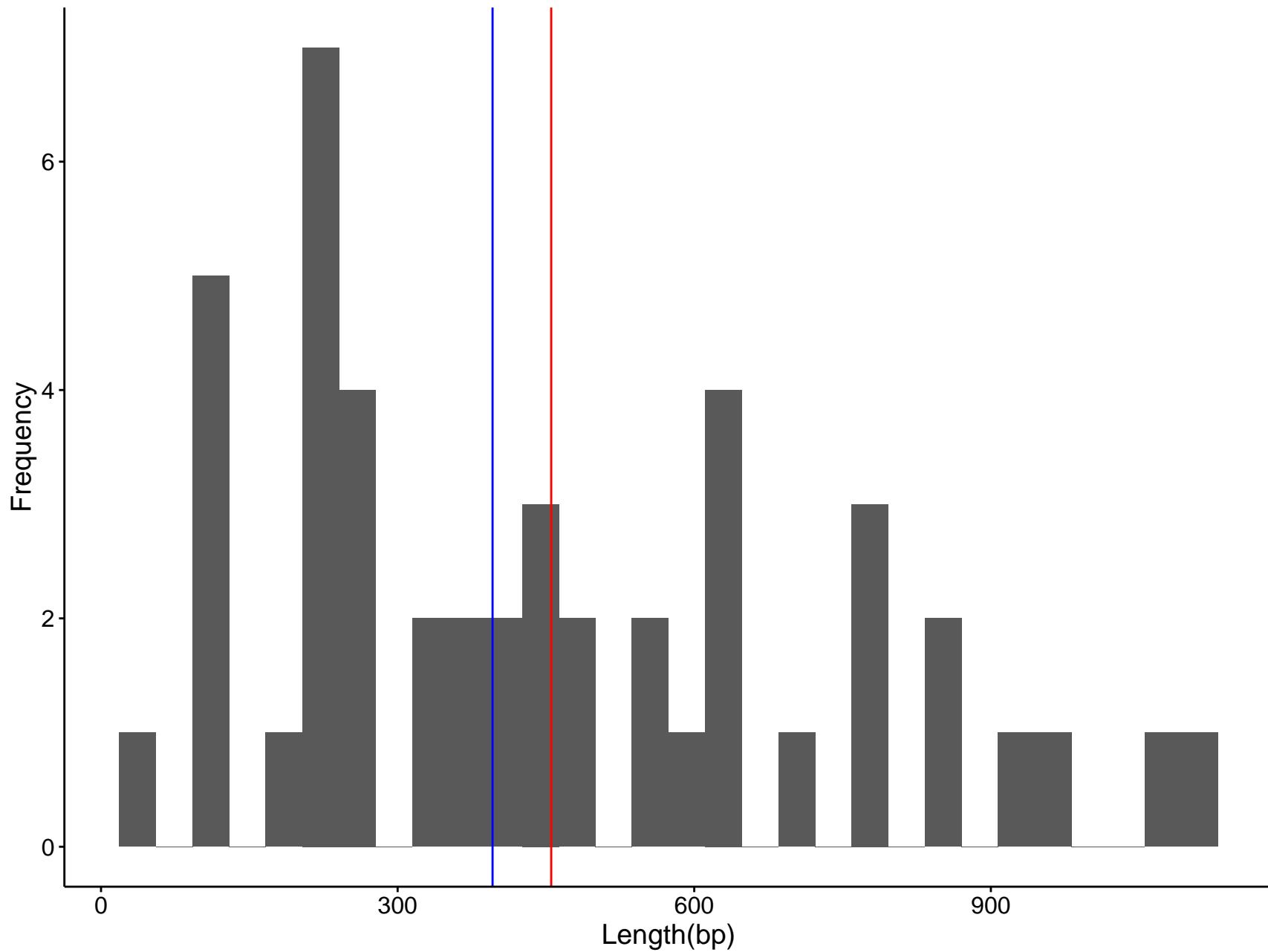
# Cluster136



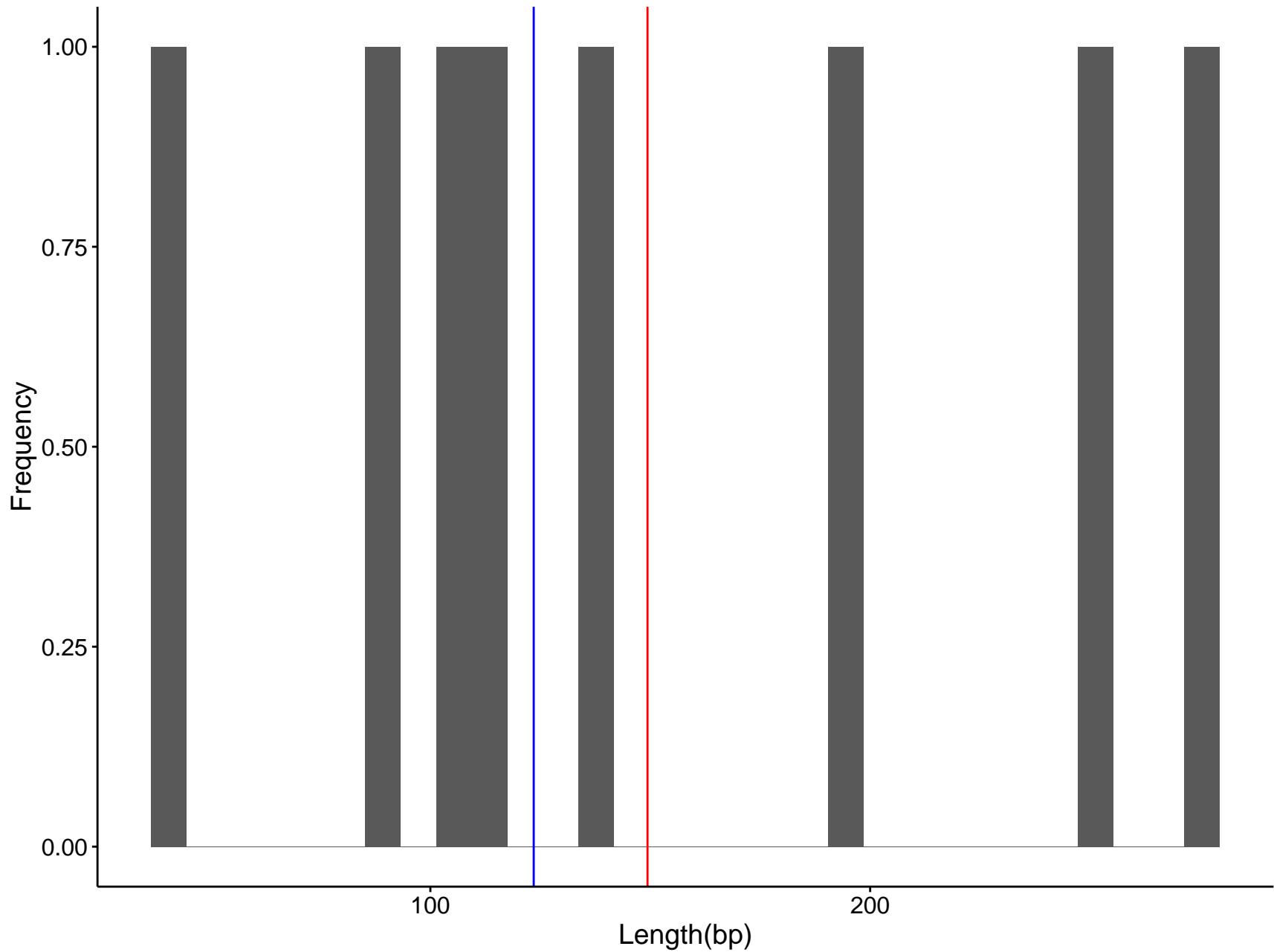
Cluster1378



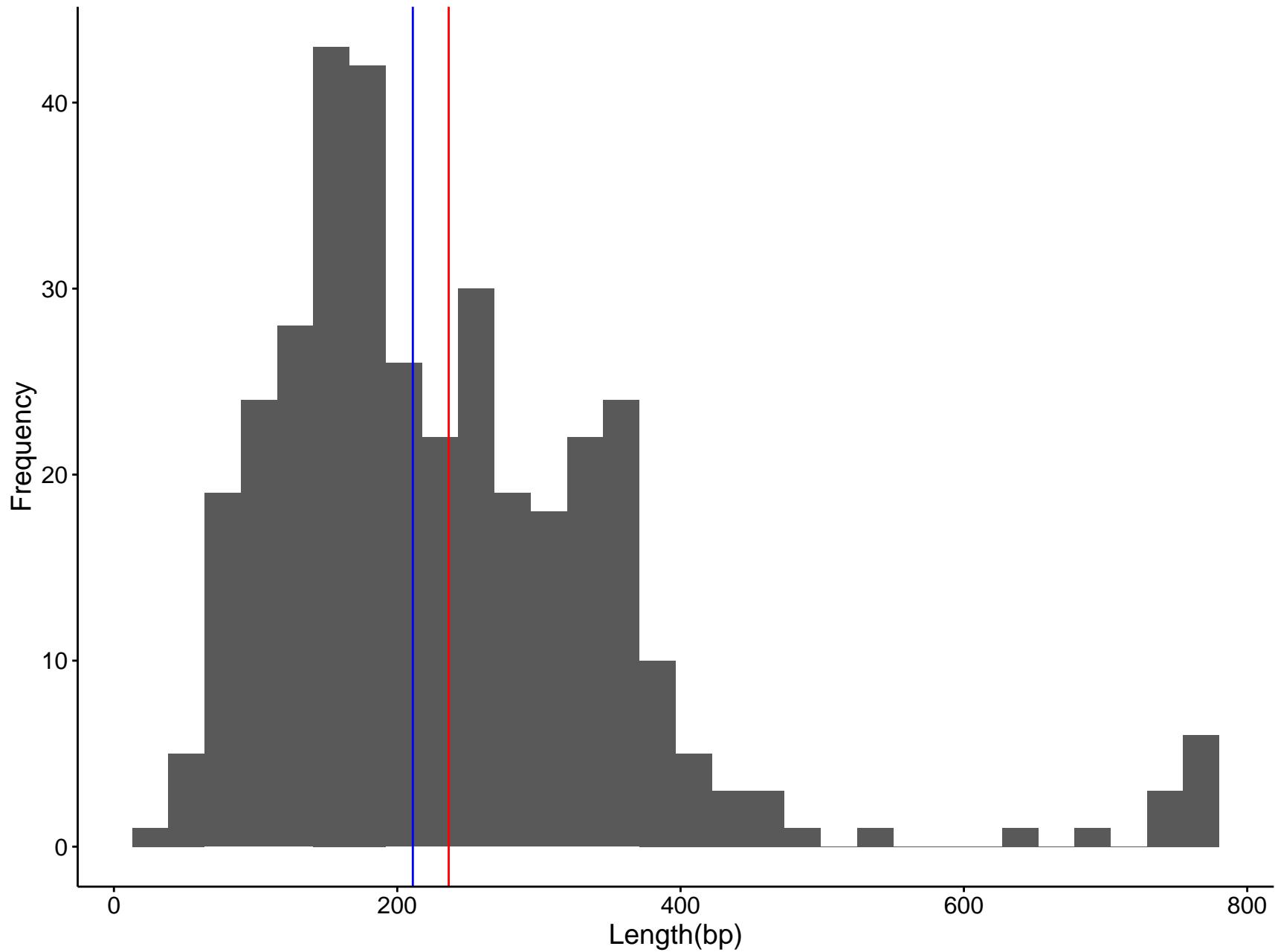
Cluster1379



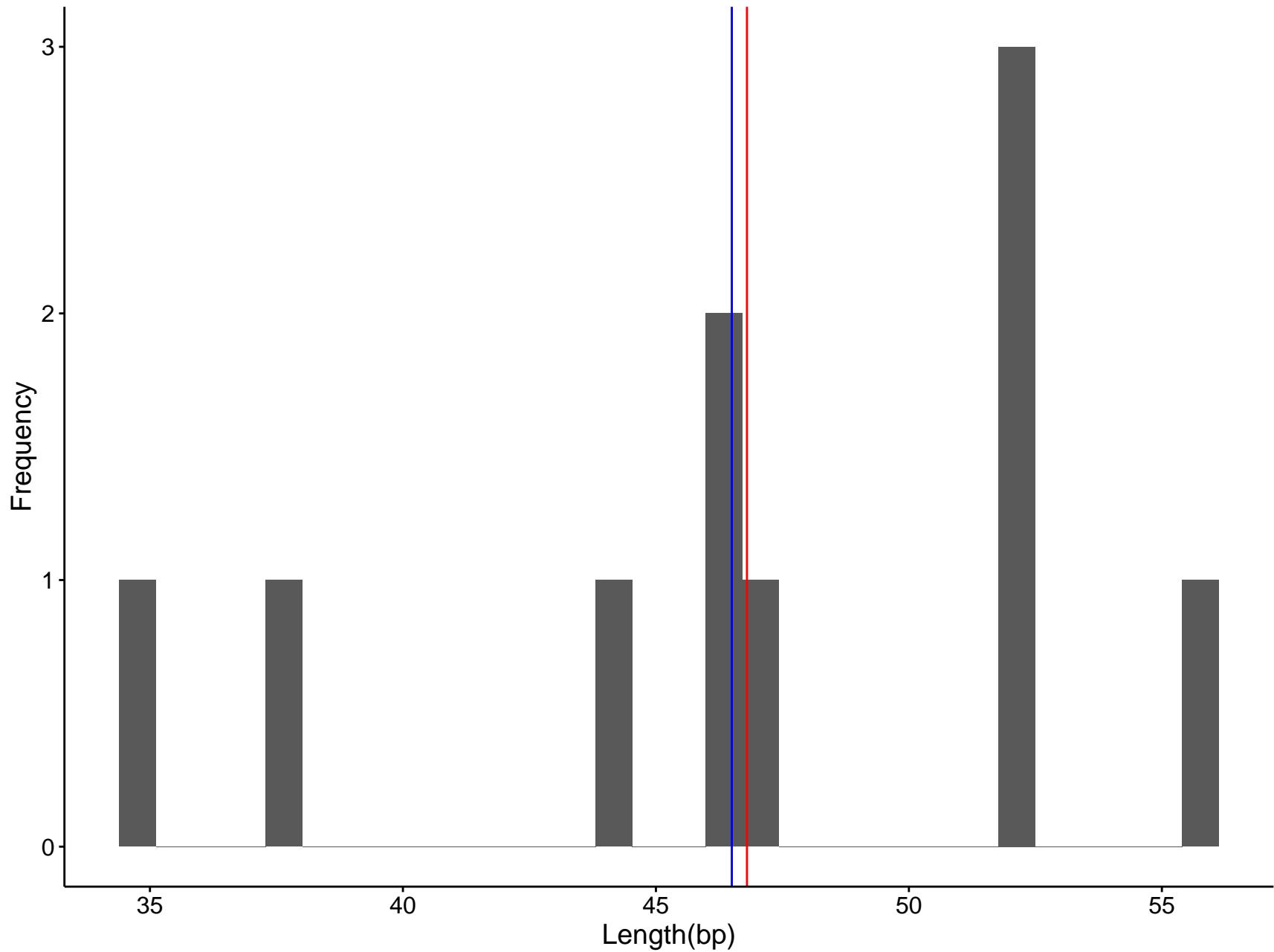
Cluster137



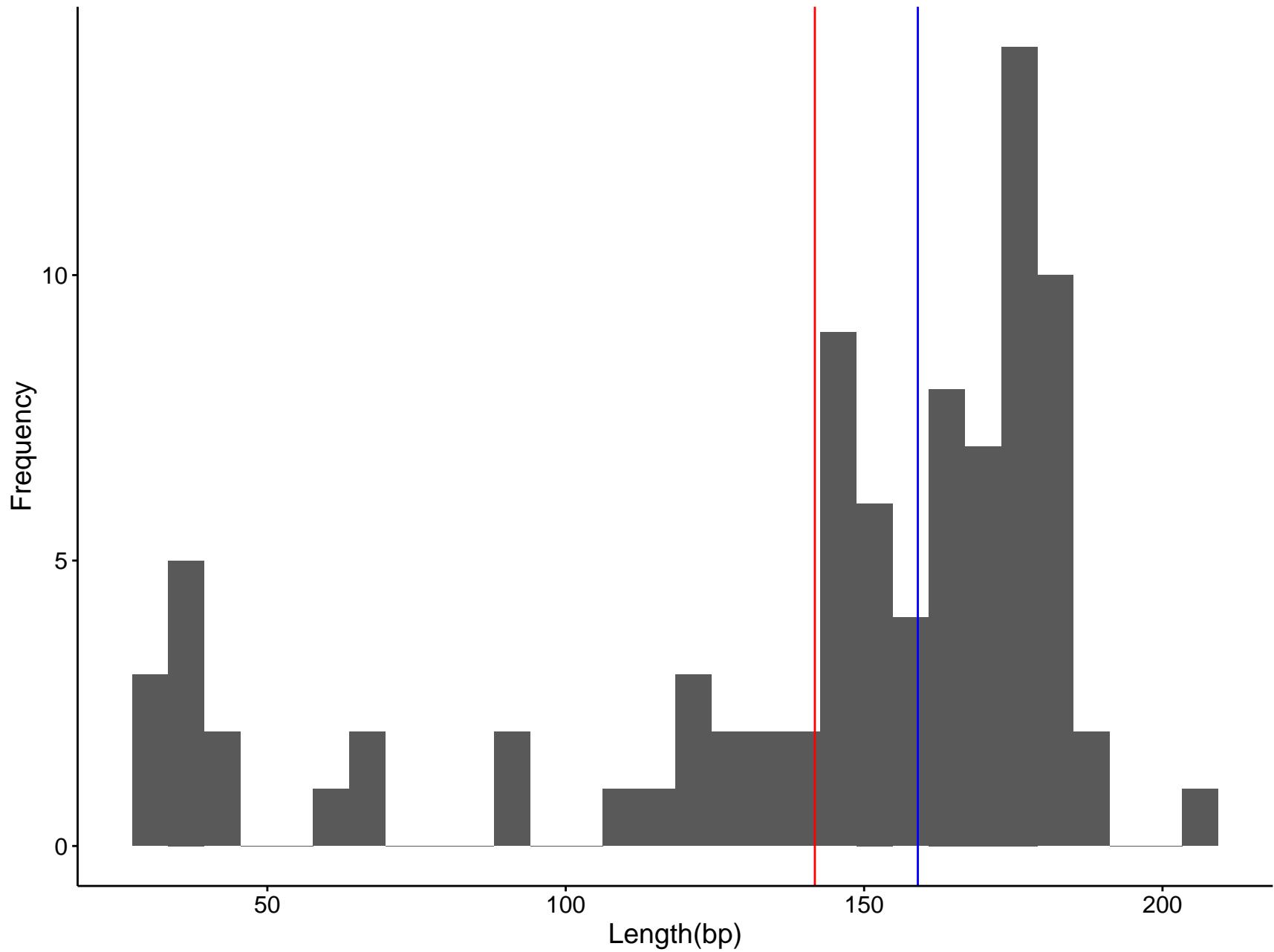
Cluster1381



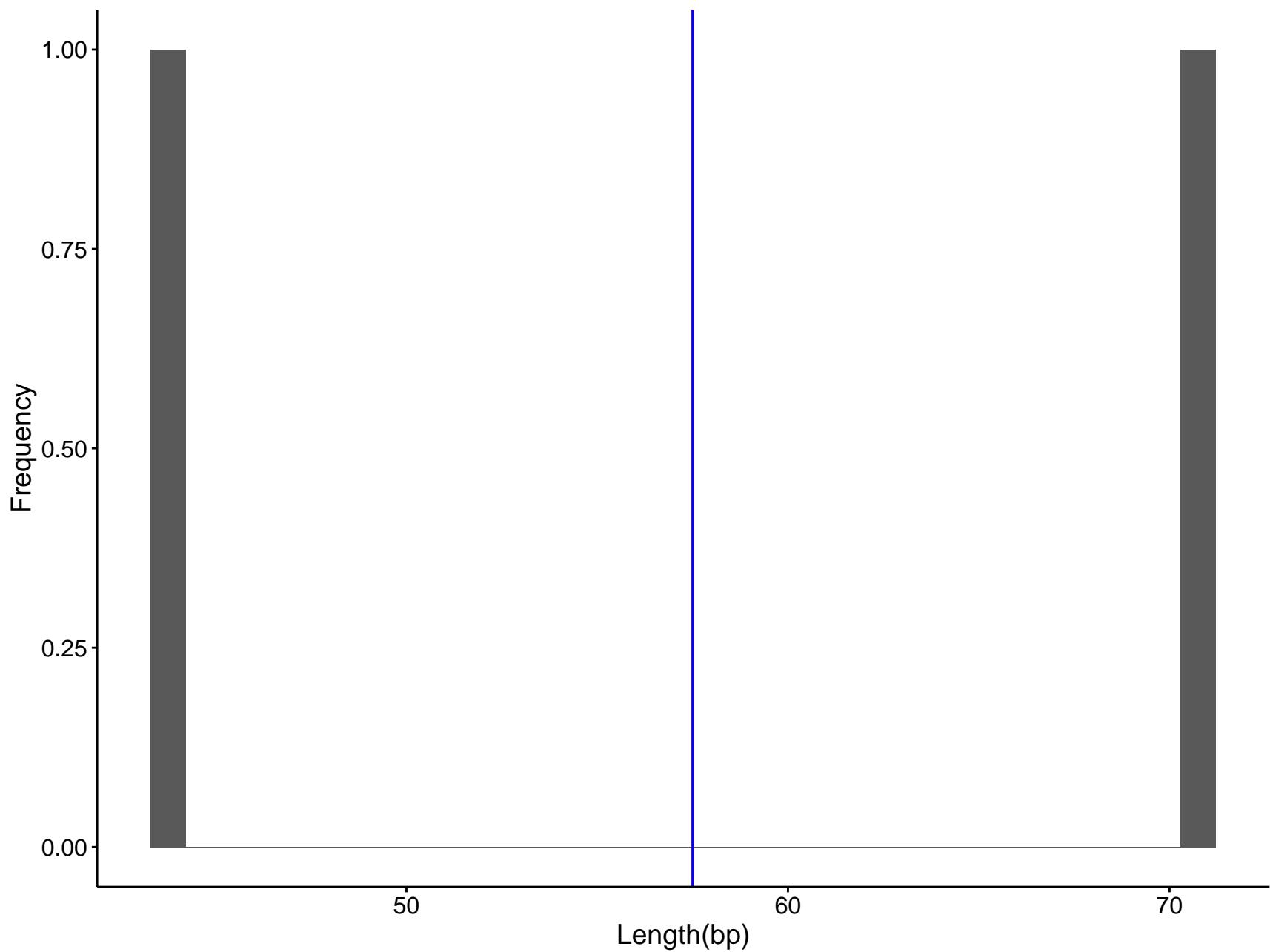
Cluster1382



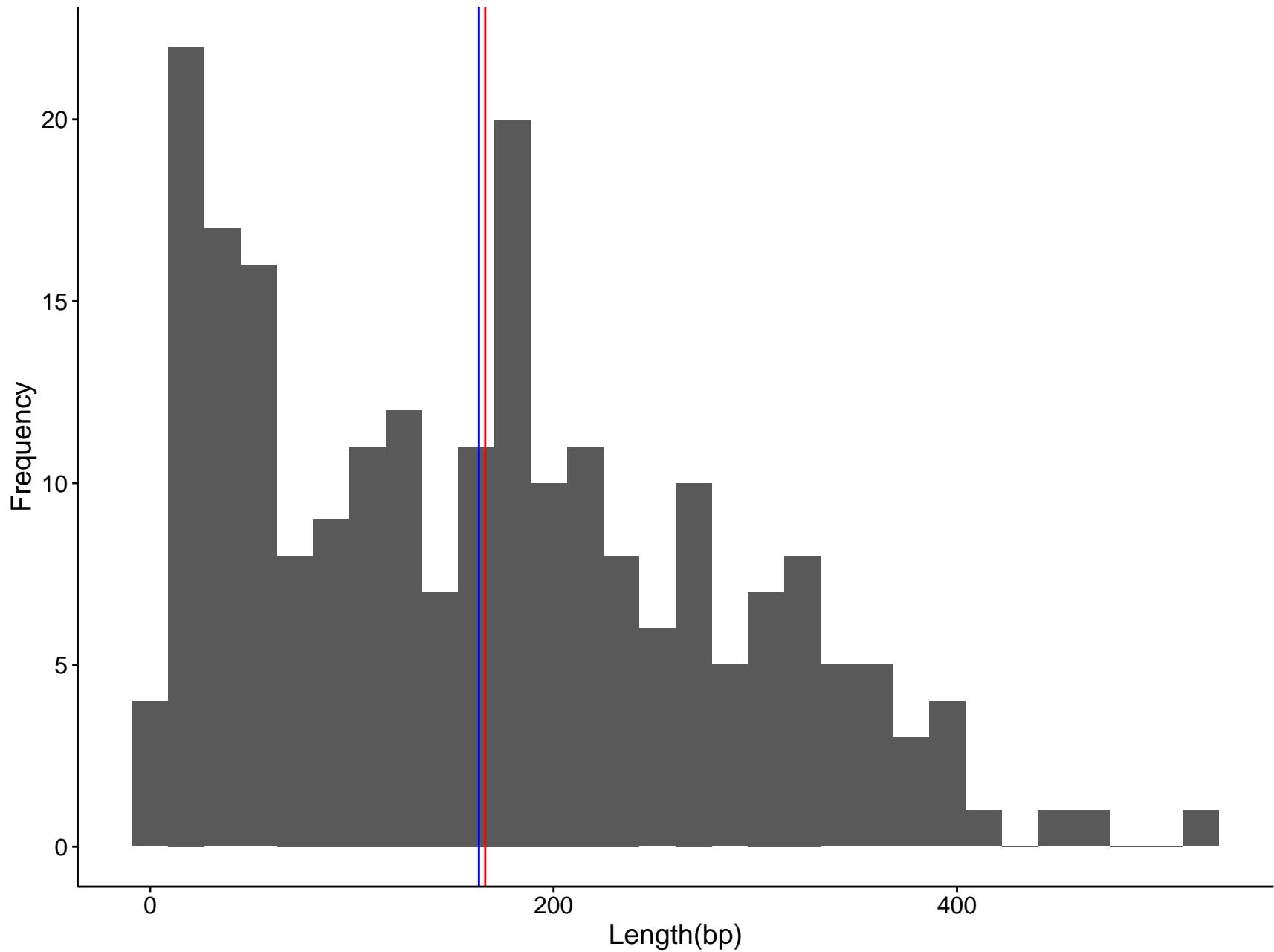
Cluster1384



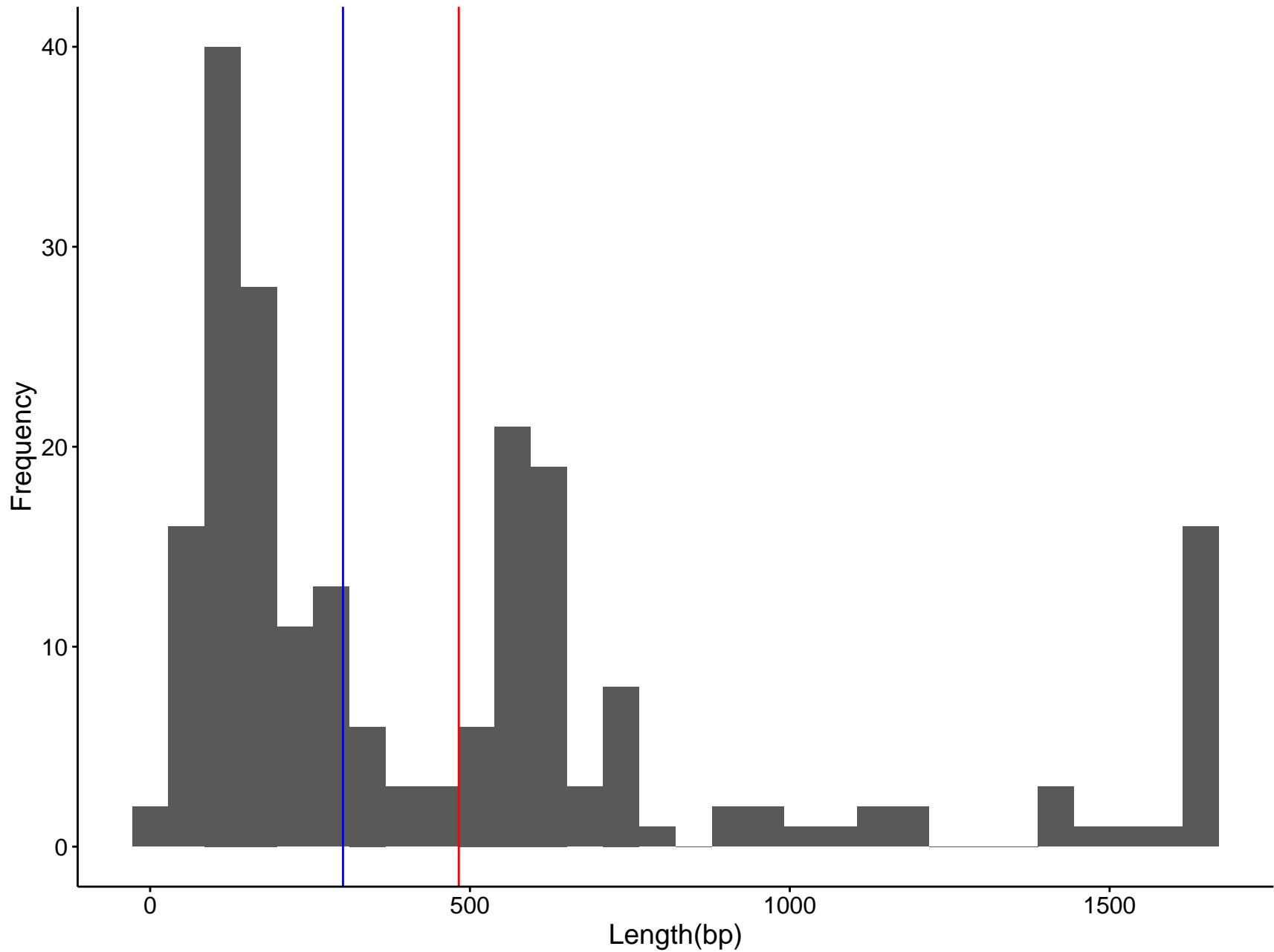
Cluster1385



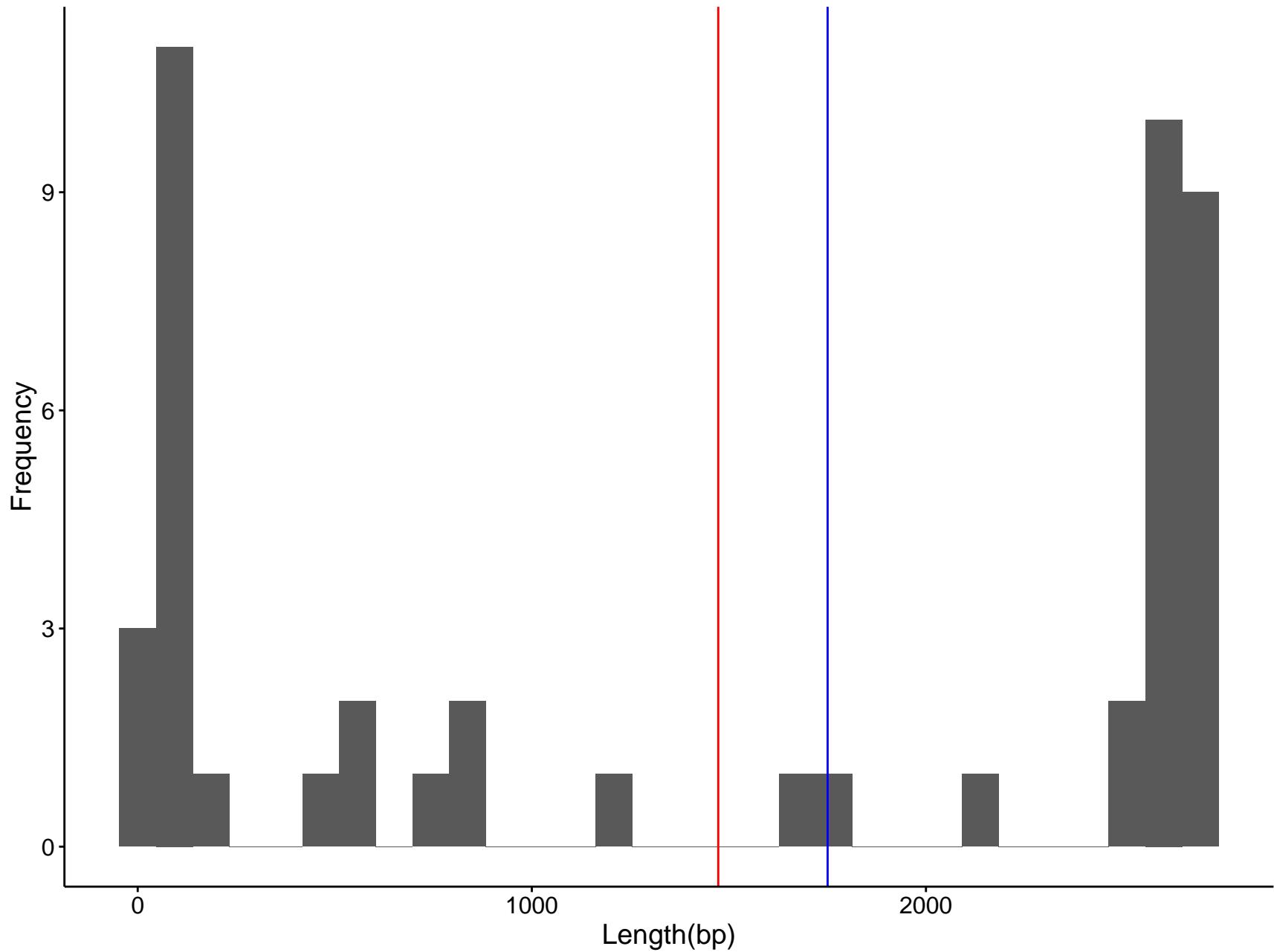
Cluster1387



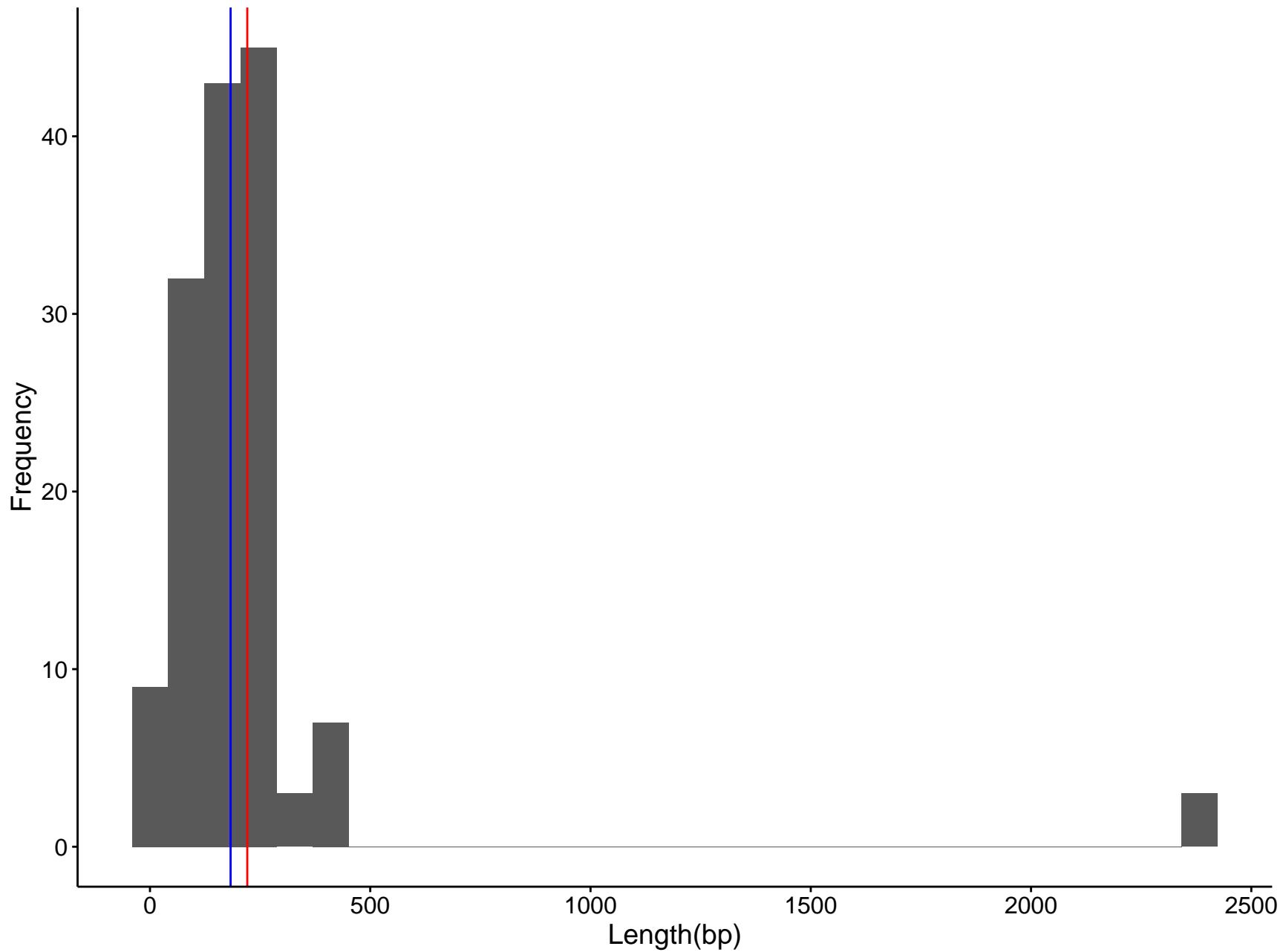
Cluster1388



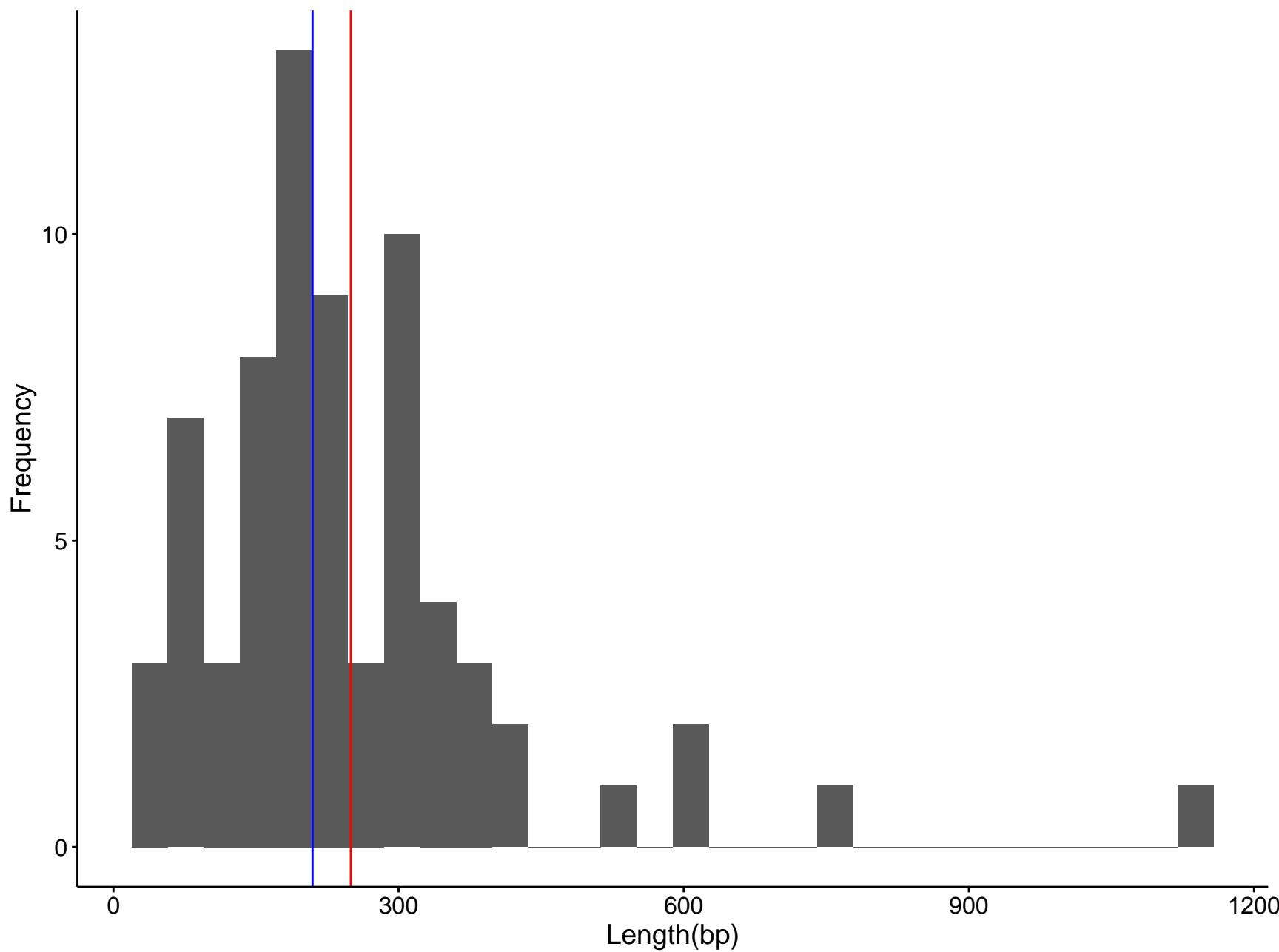
Cluster1389



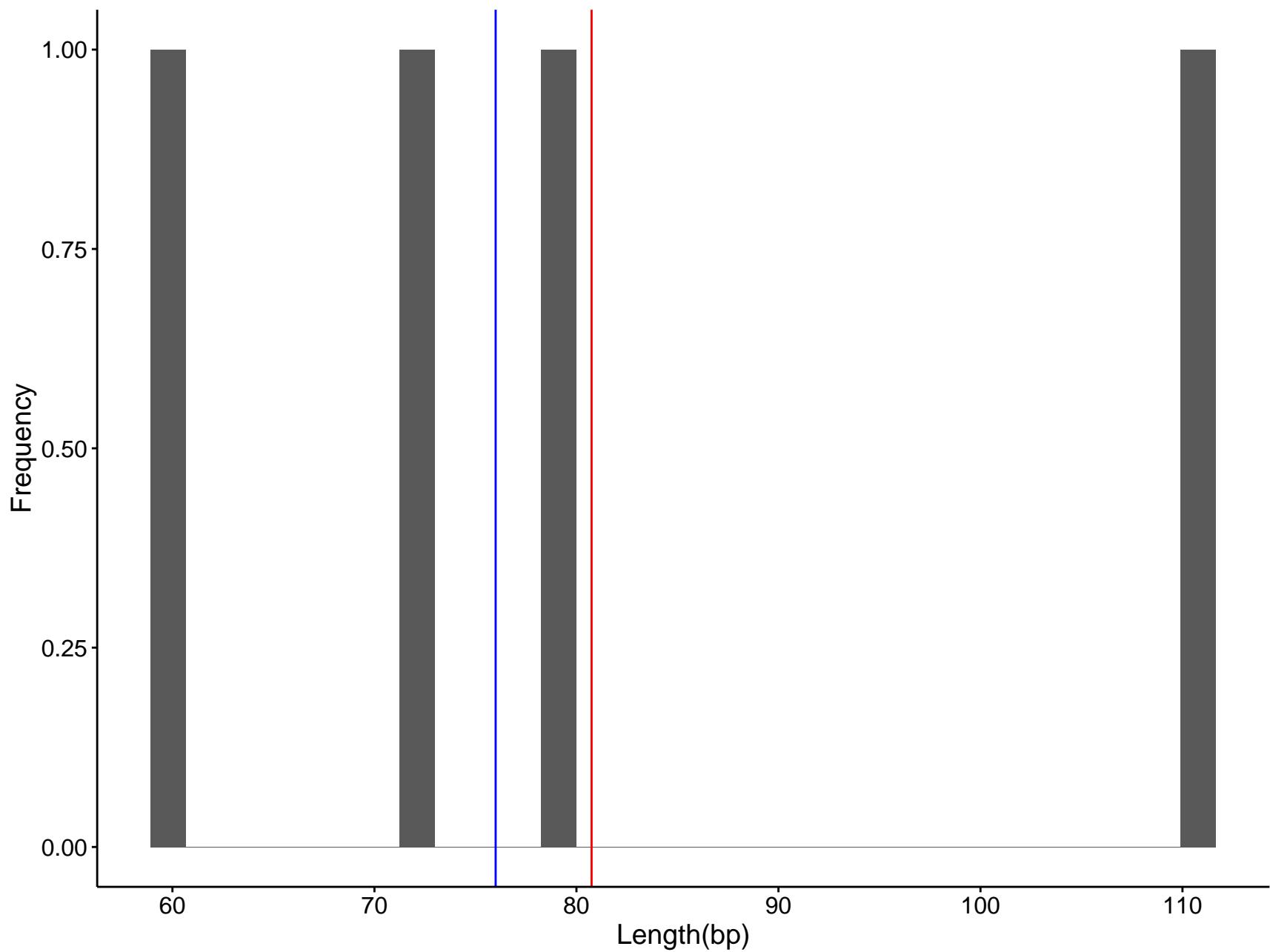
Cluster1390



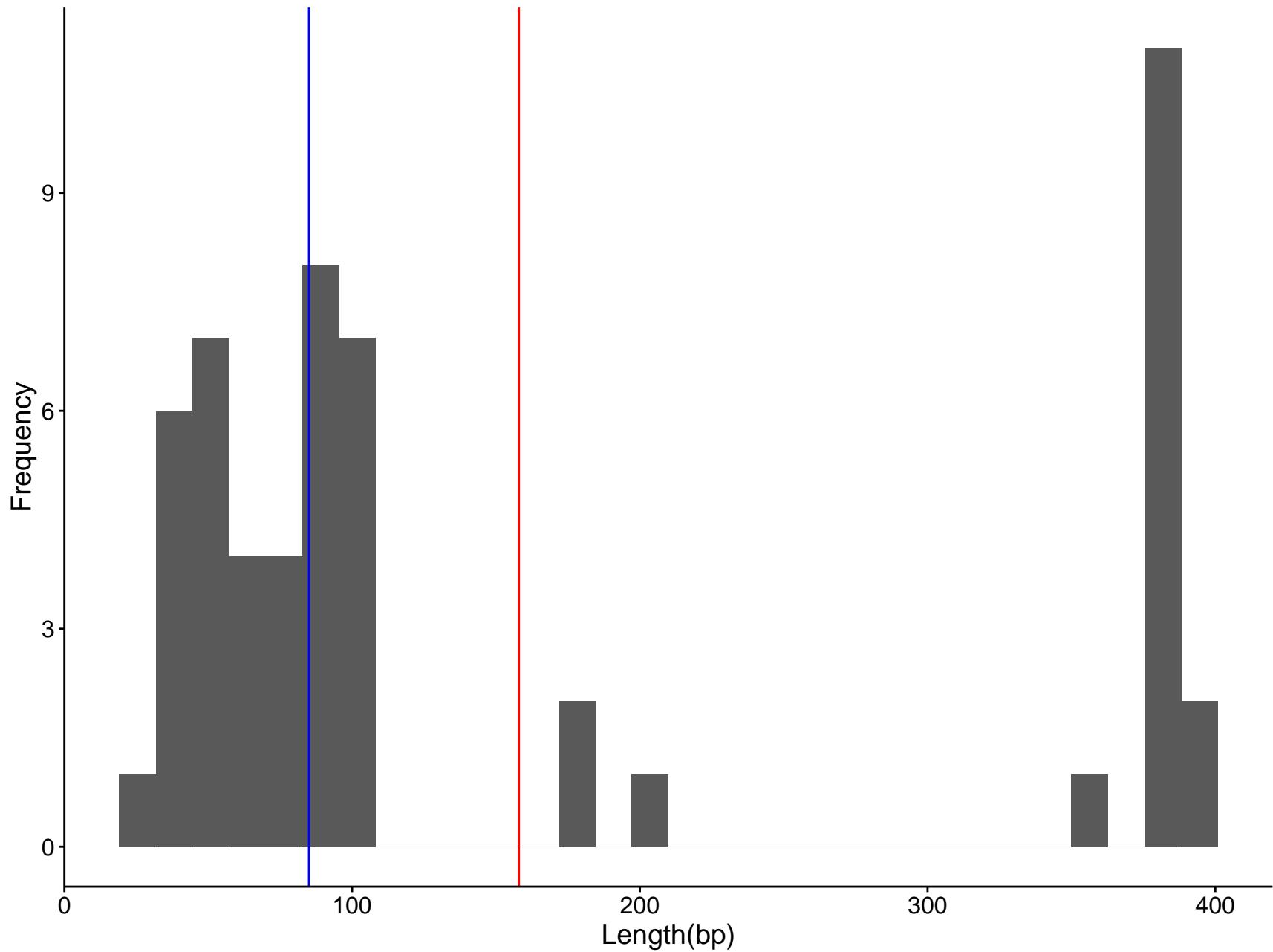
Cluster1391



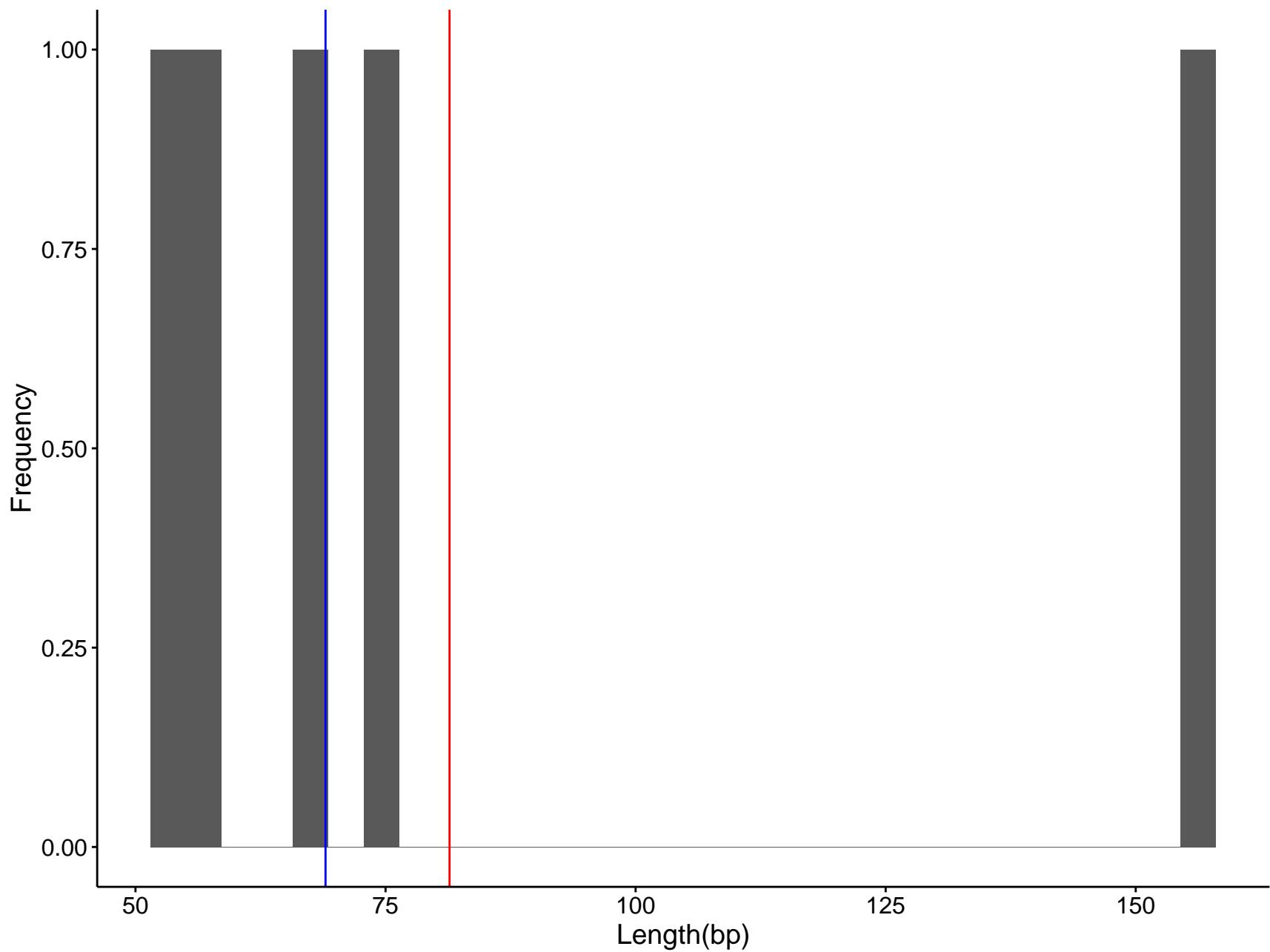
Cluster1392



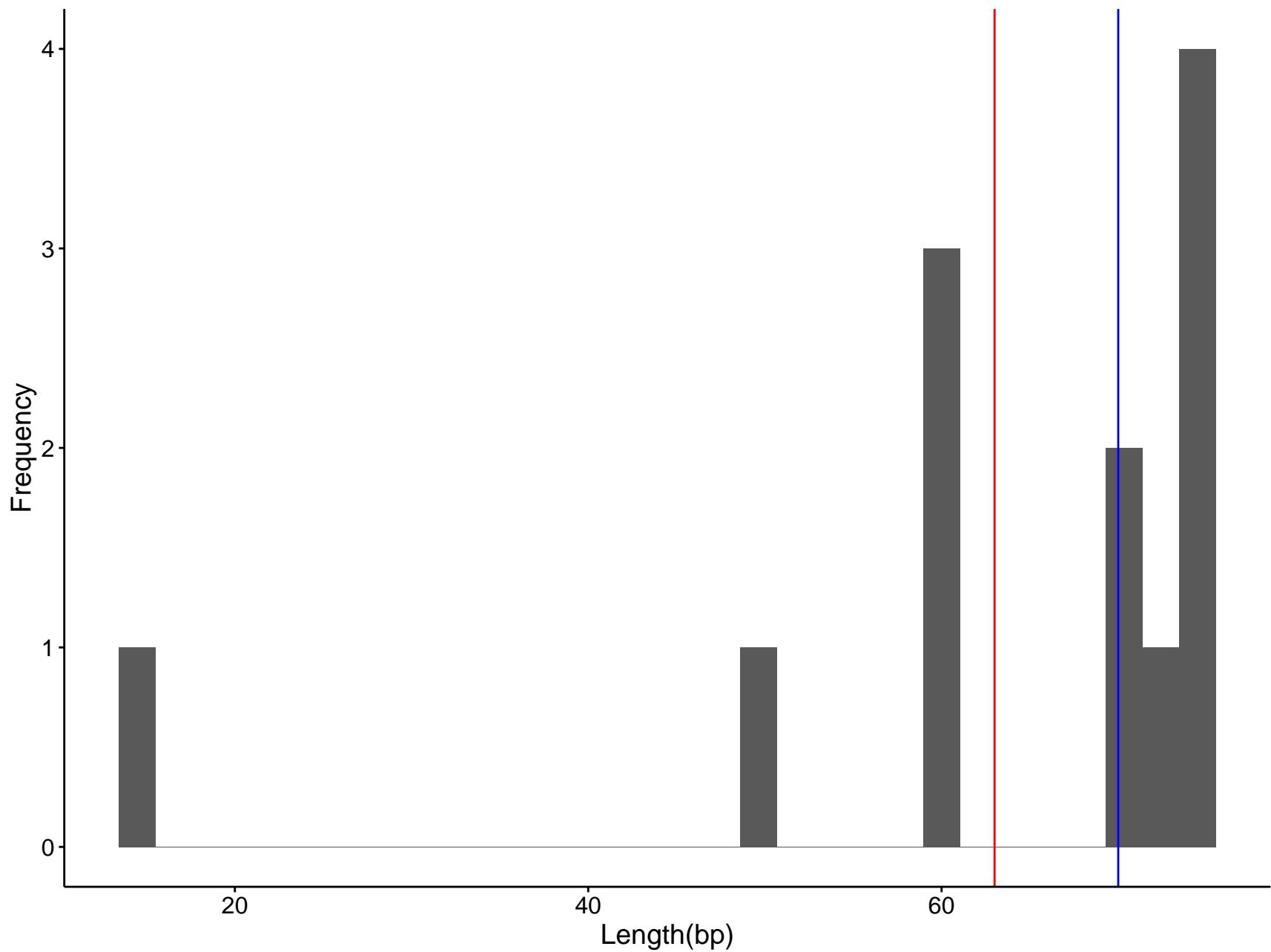
Cluster1394



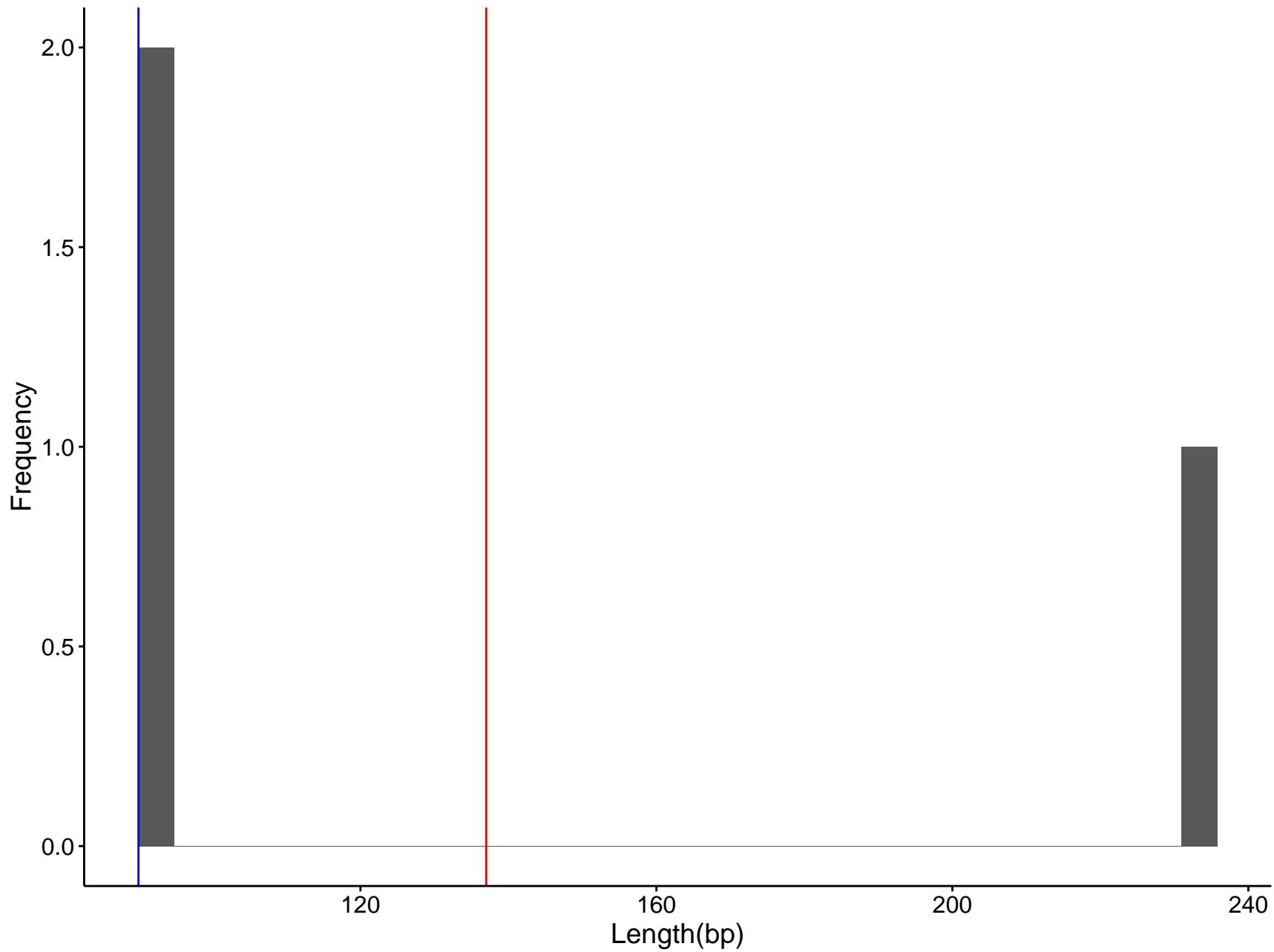
Cluster1396



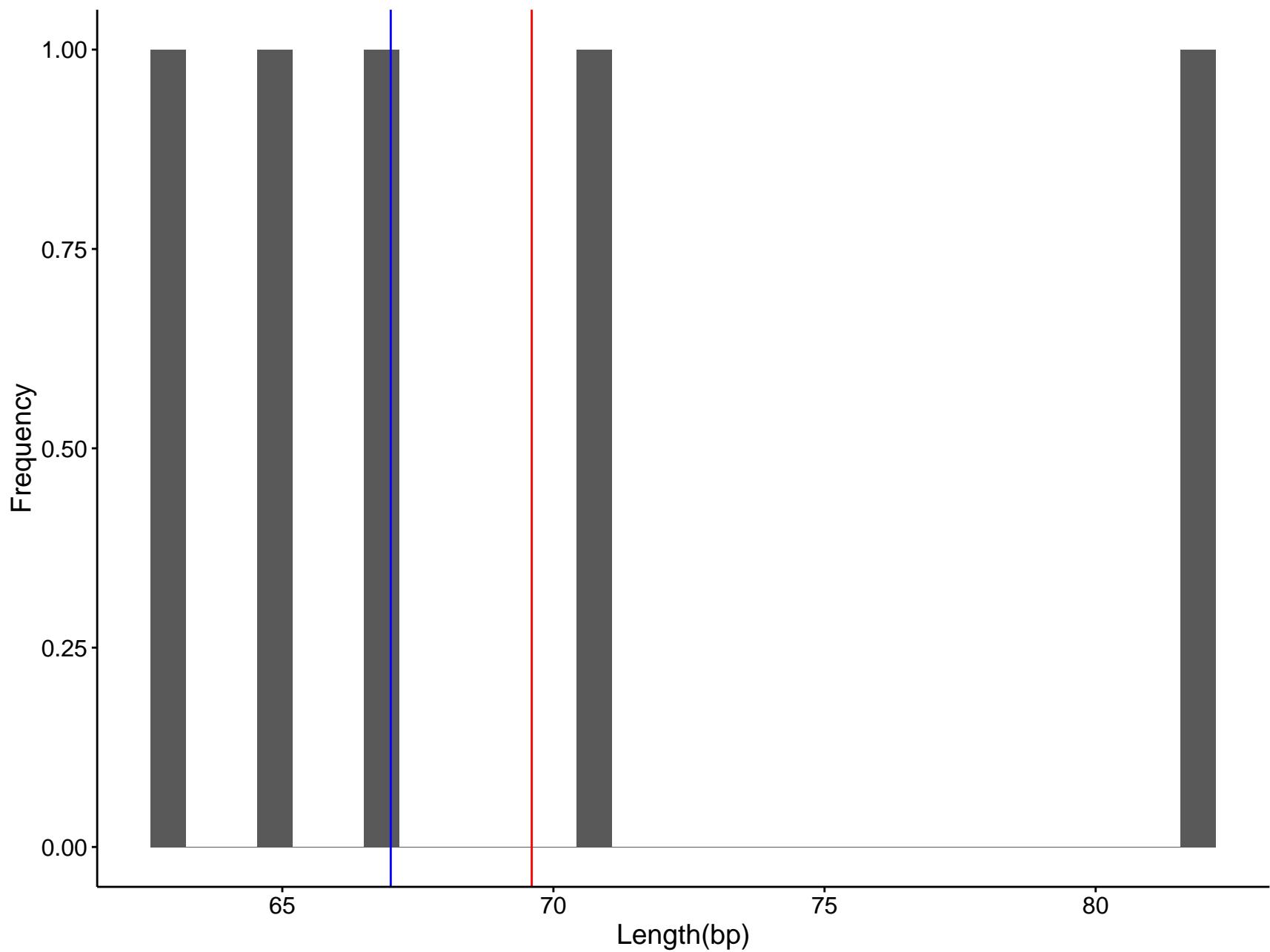
Cluster1398



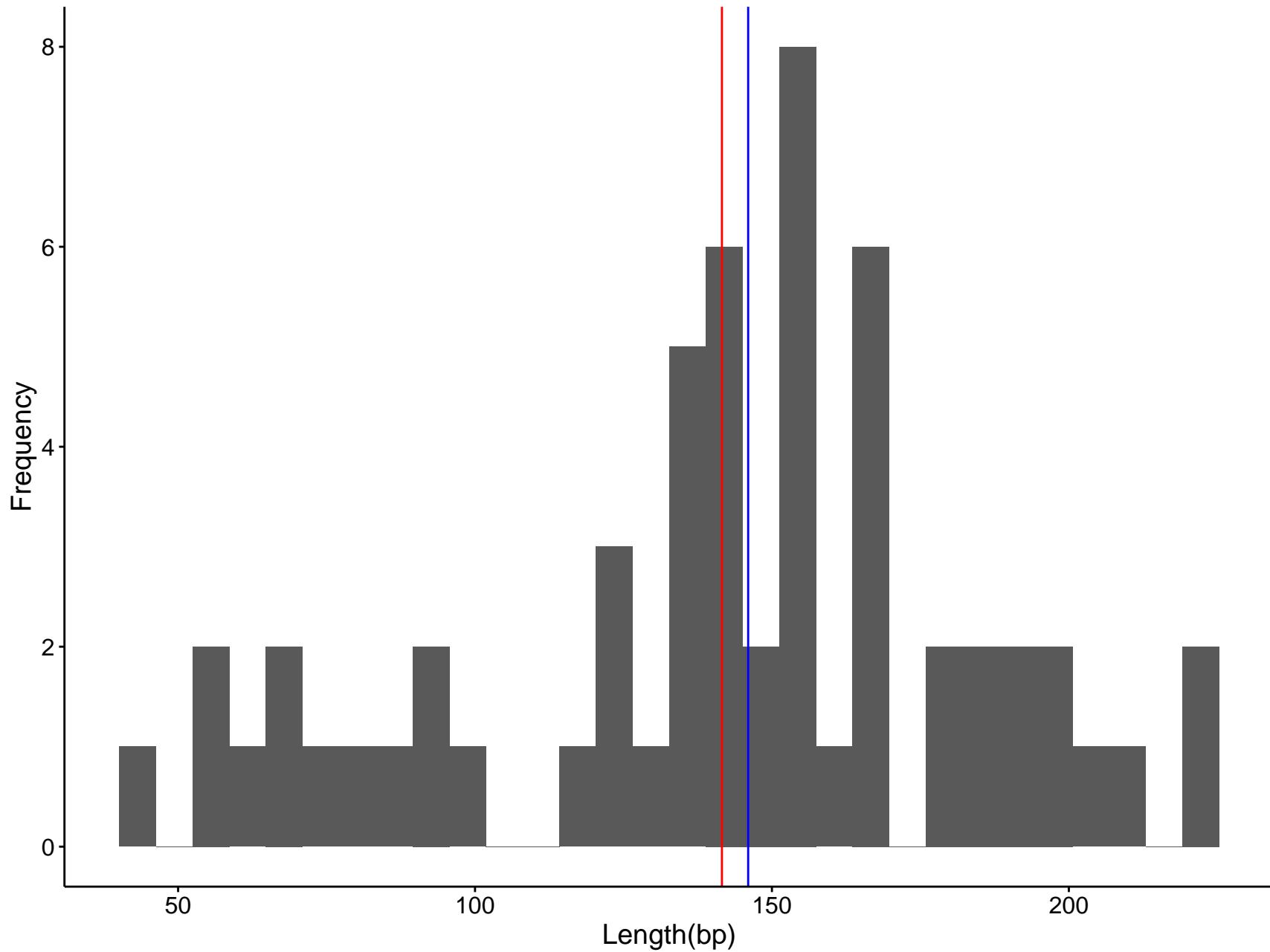
Cluster139



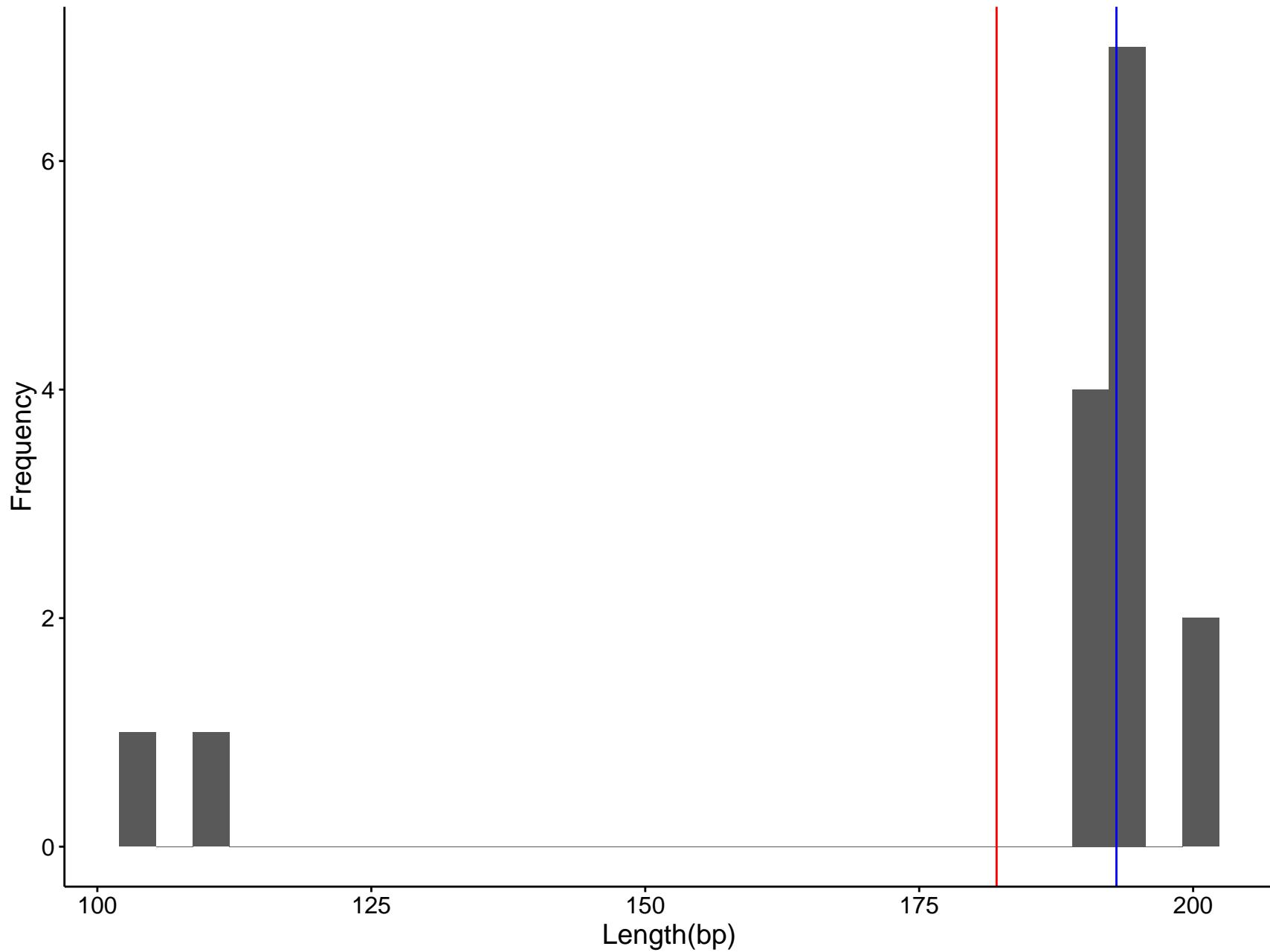
Cluster1400



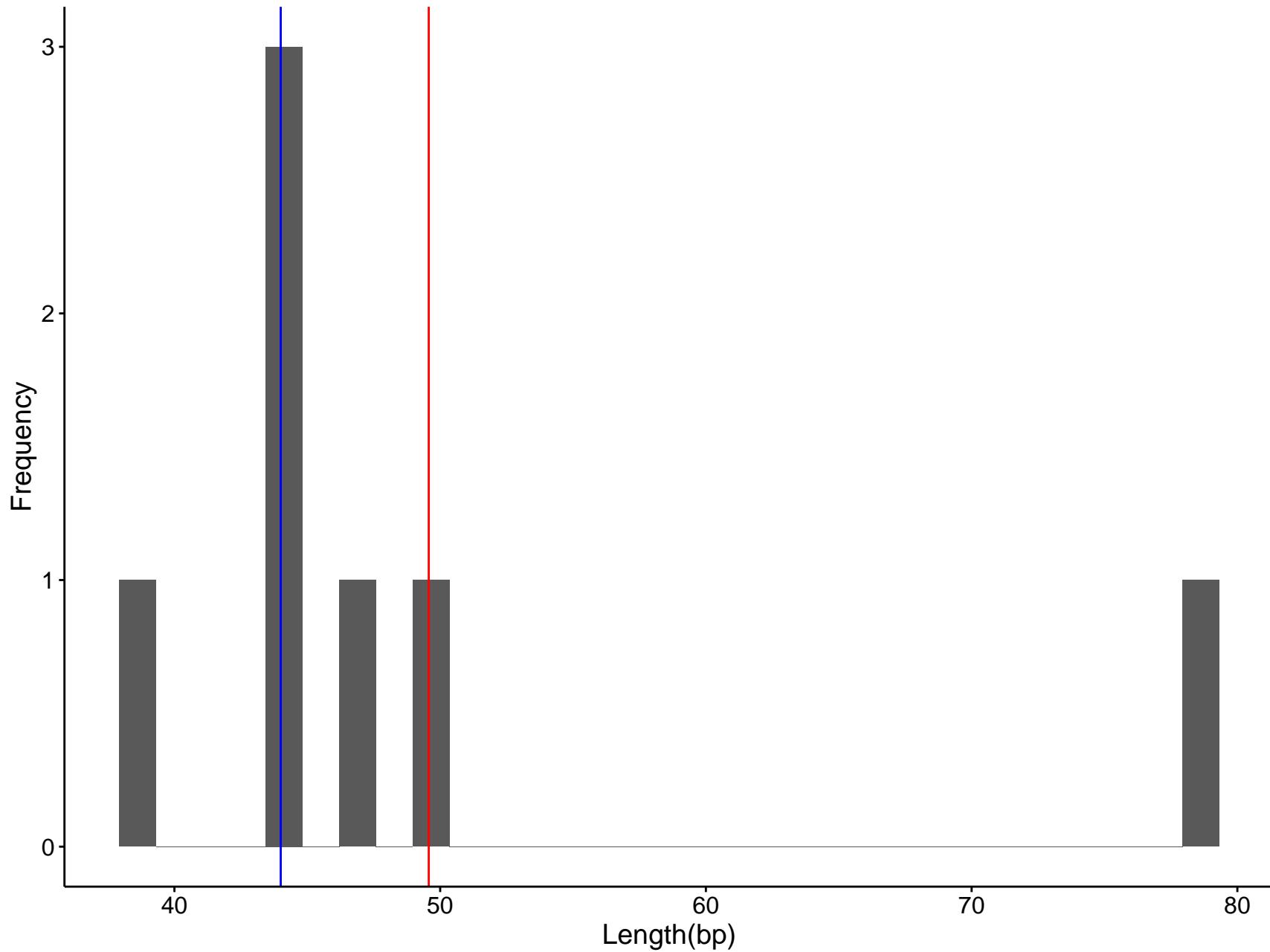
Cluster1403



# Cluster1404



Cluster1405



# Cluster1406

Frequency

68.950

68.975

69.000

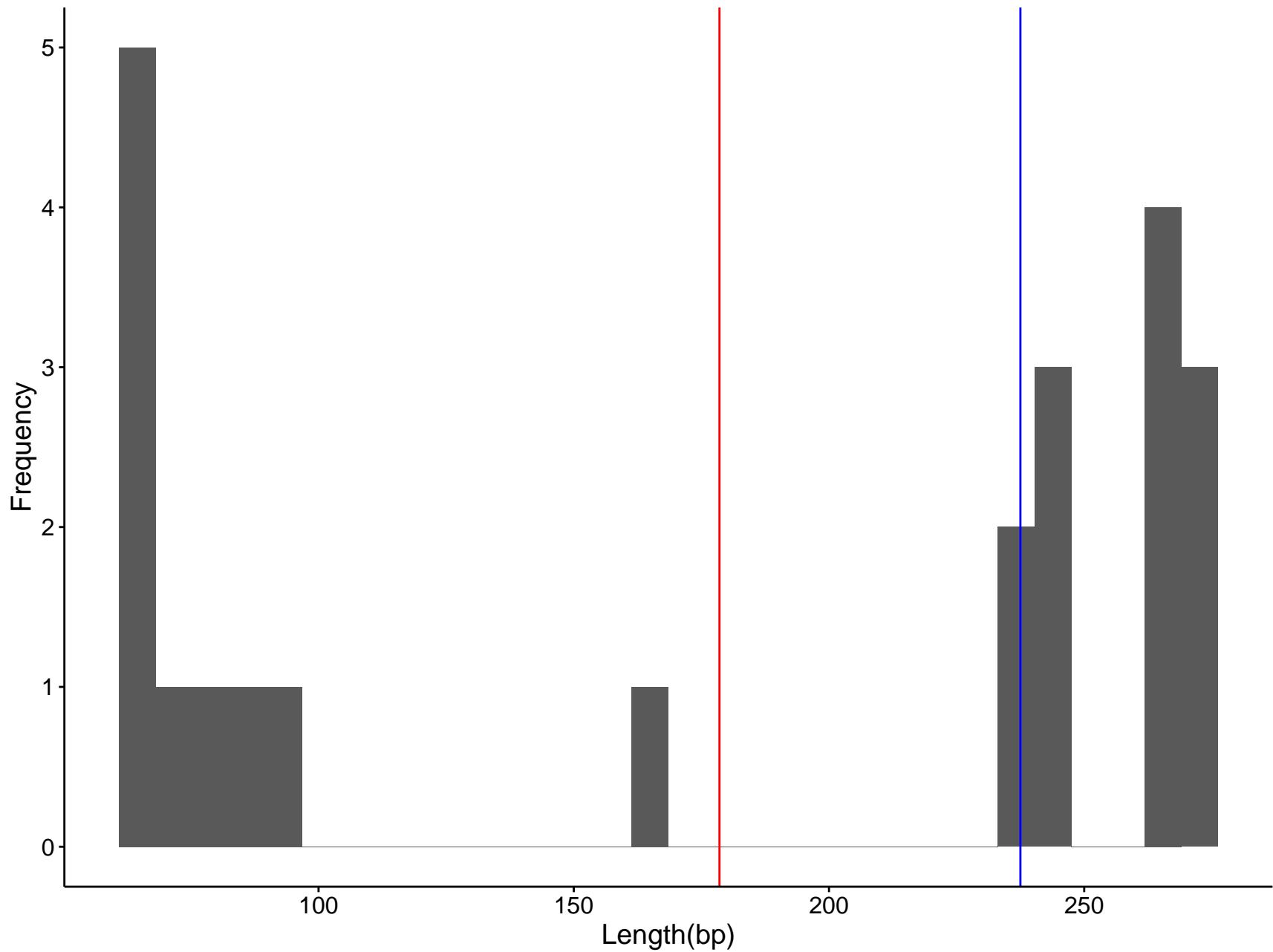
69.025

69.0

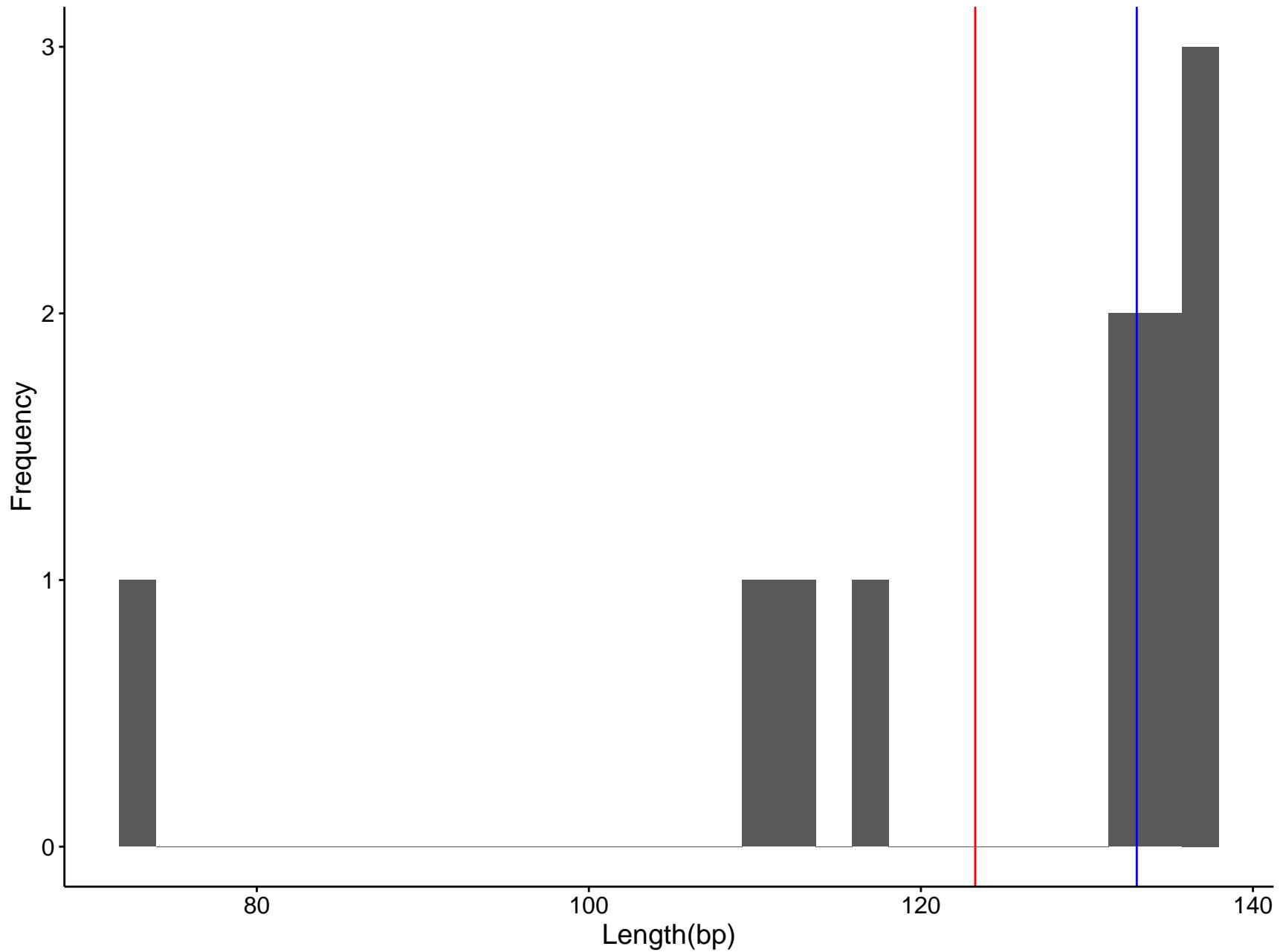
Length(bp)



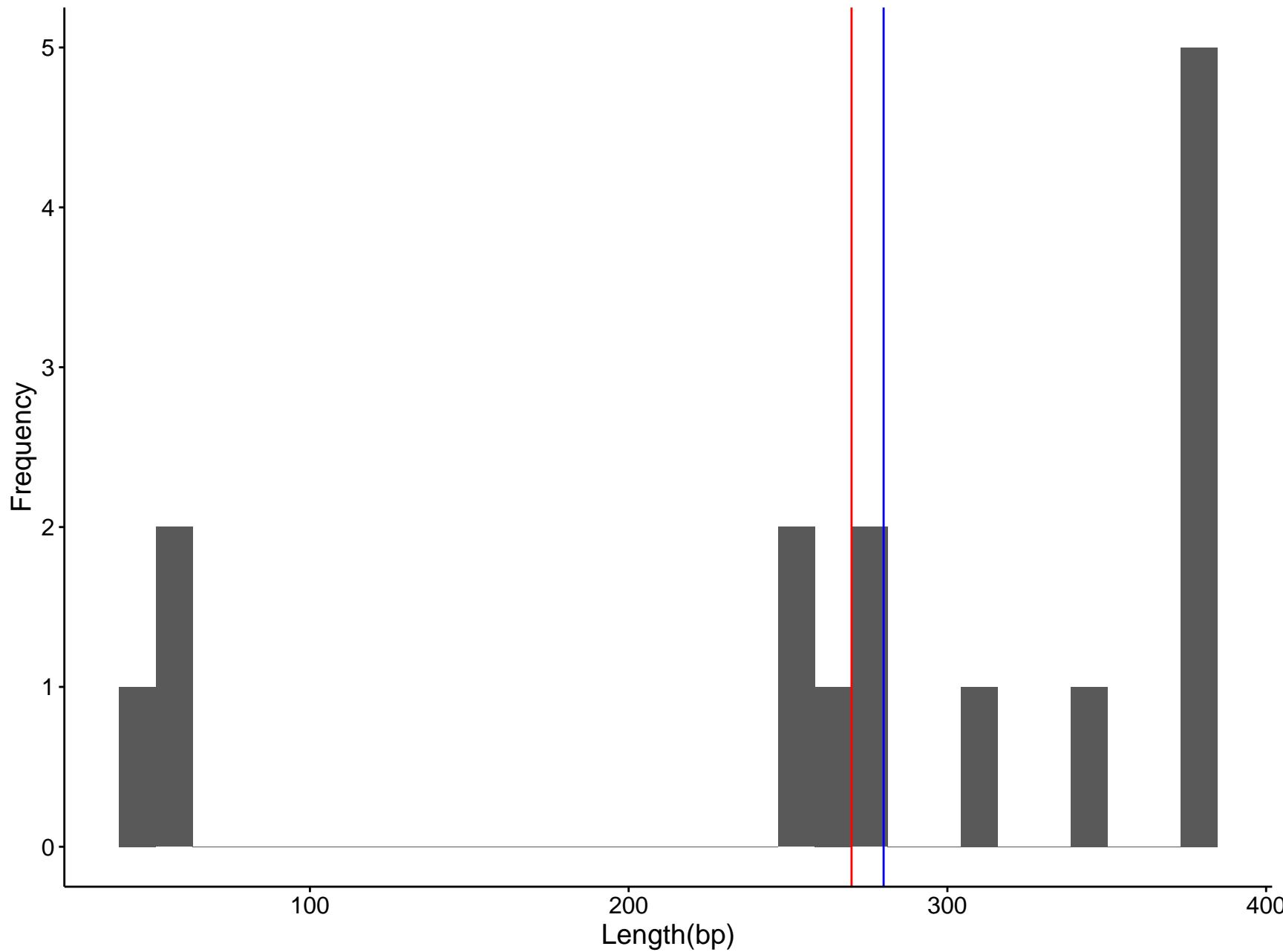
Cluster1407



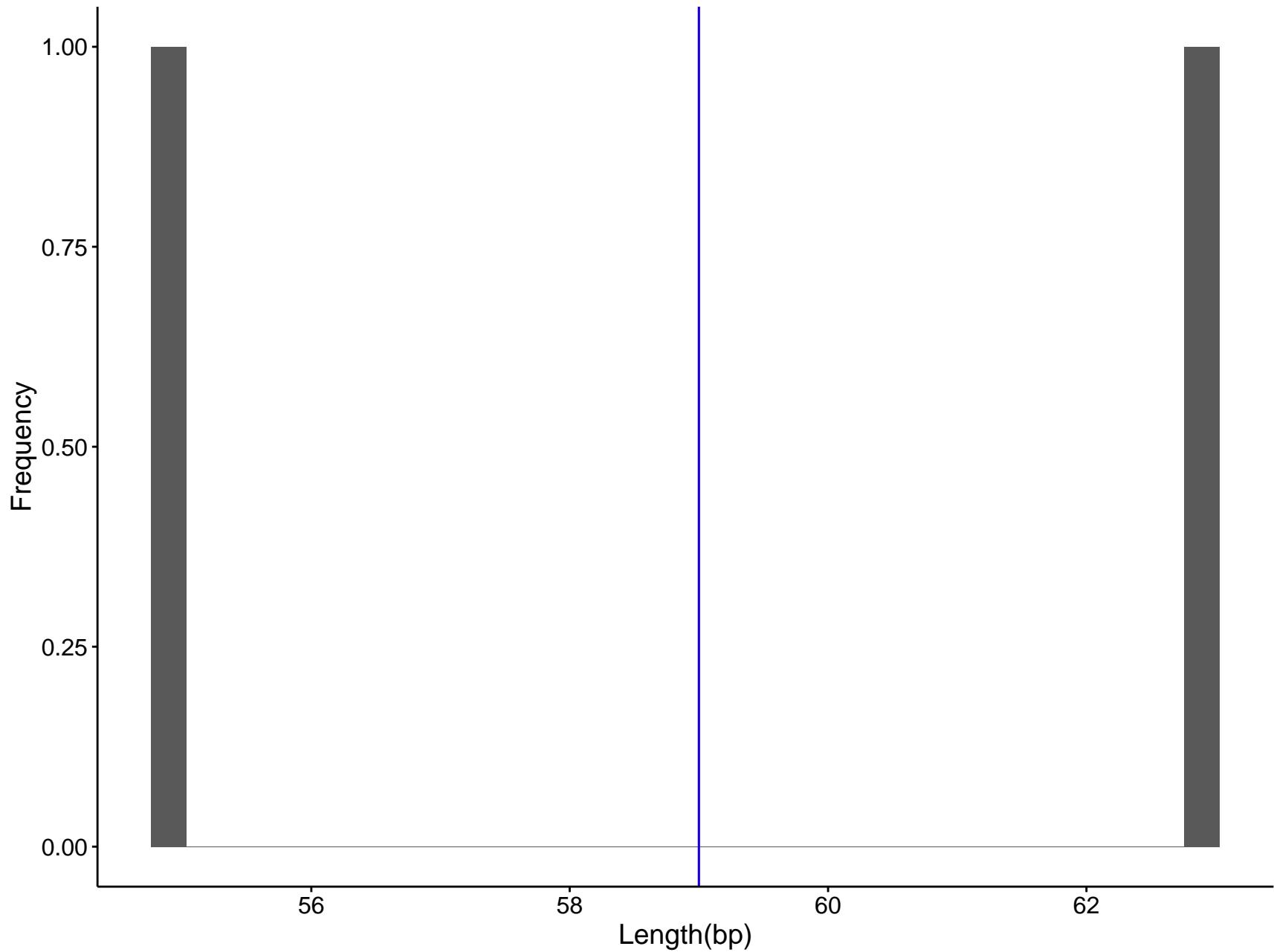
Cluster1408



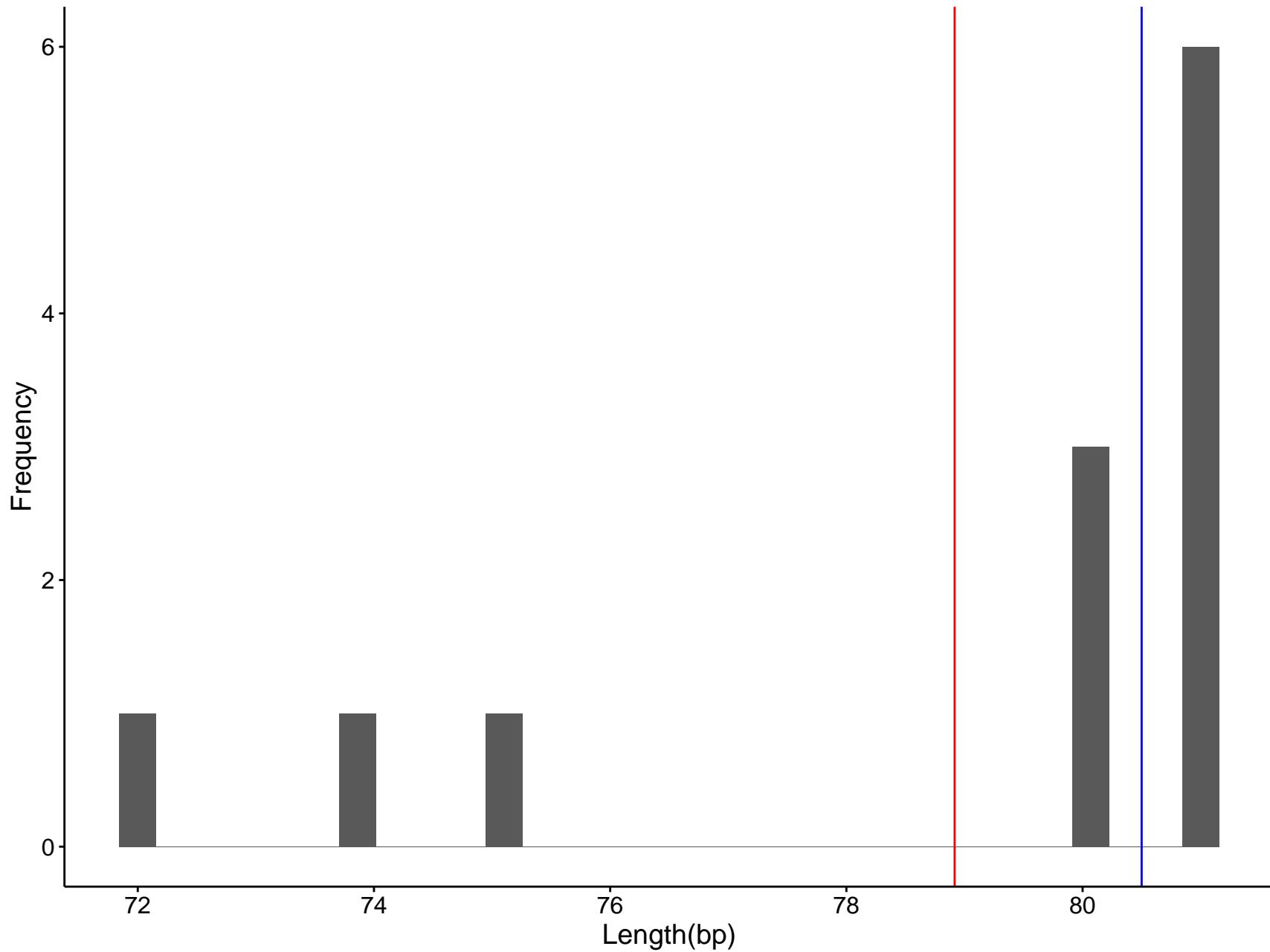
Cluster1409



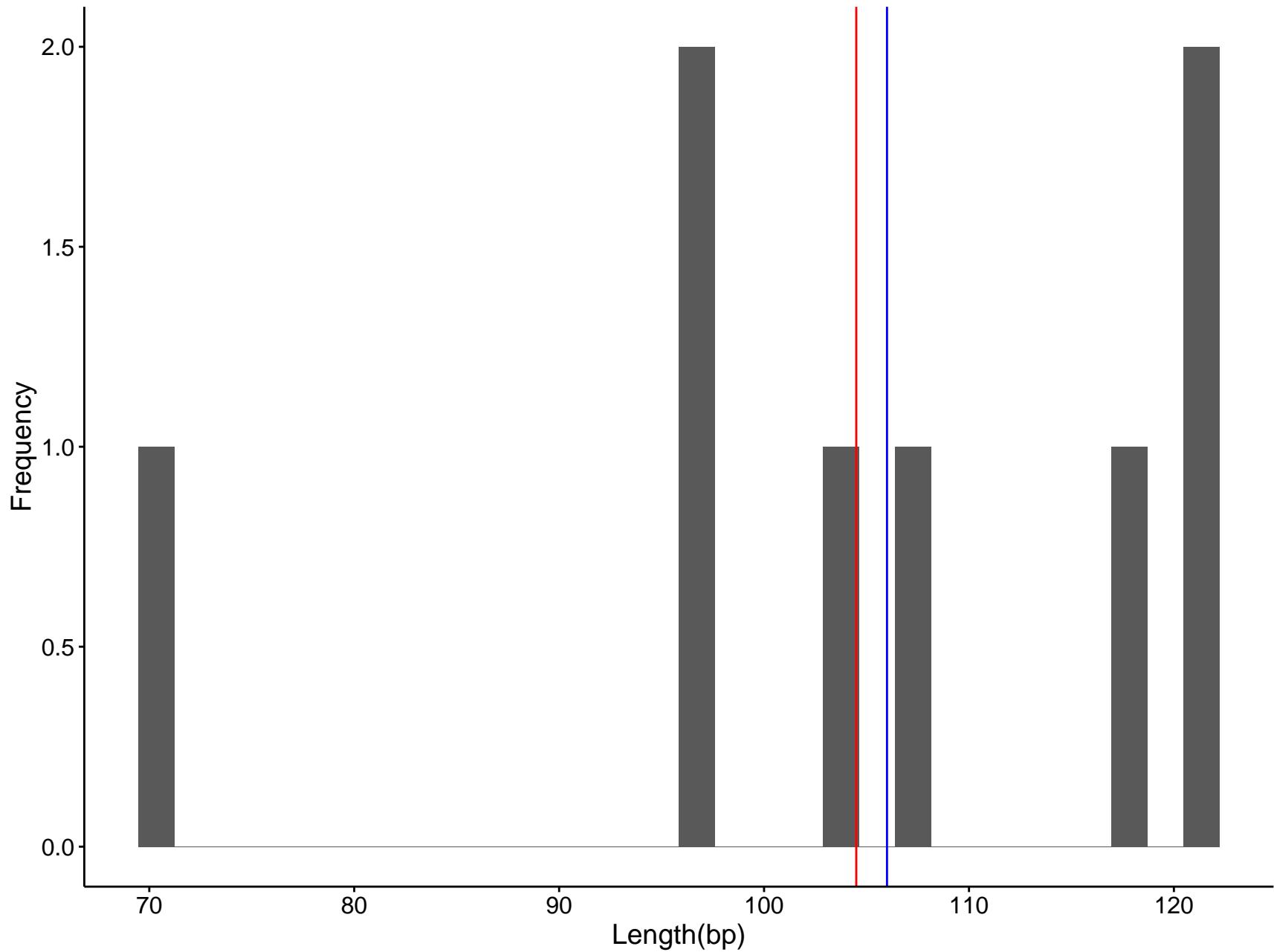
Cluster140



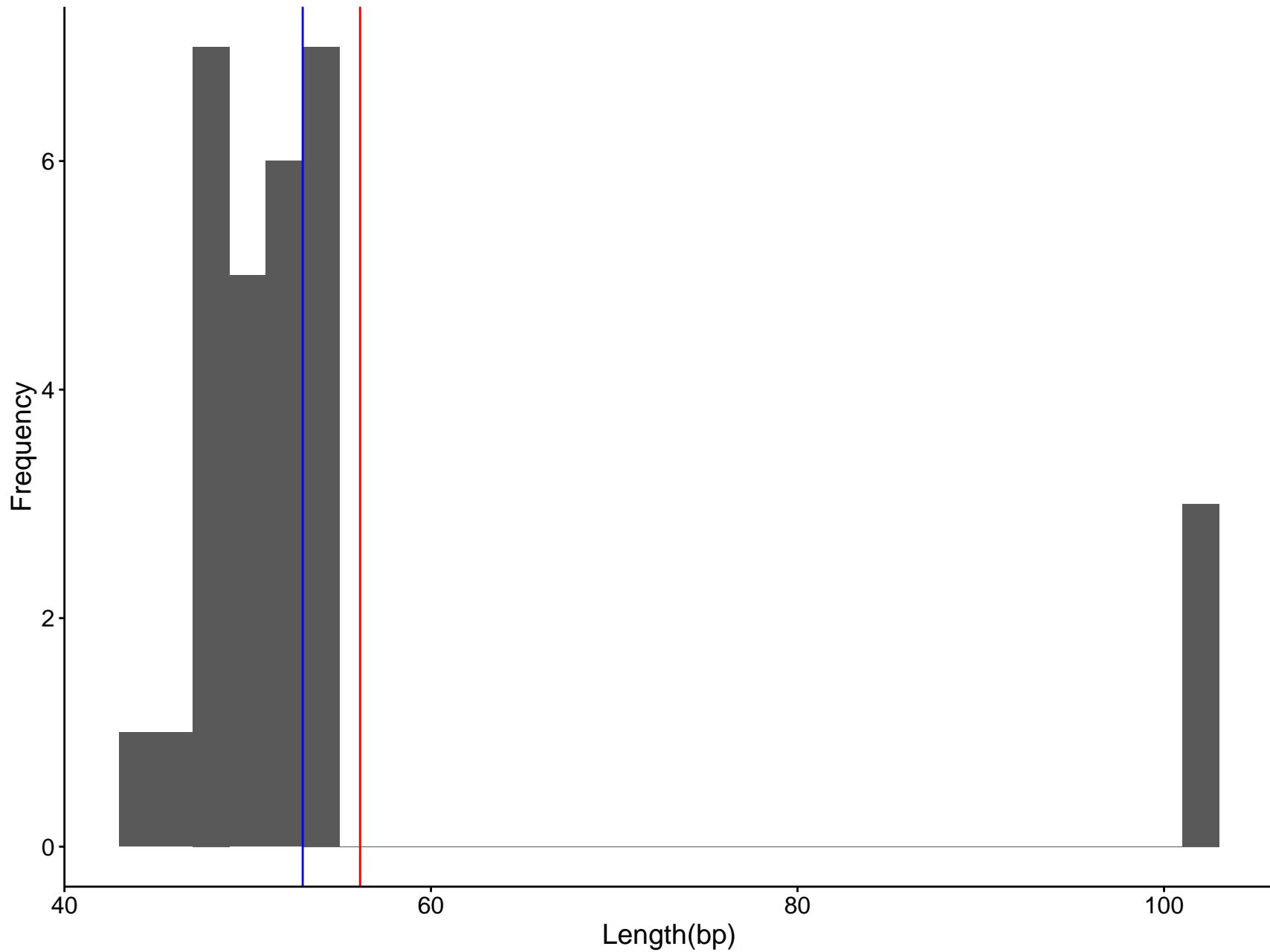
Cluster1410



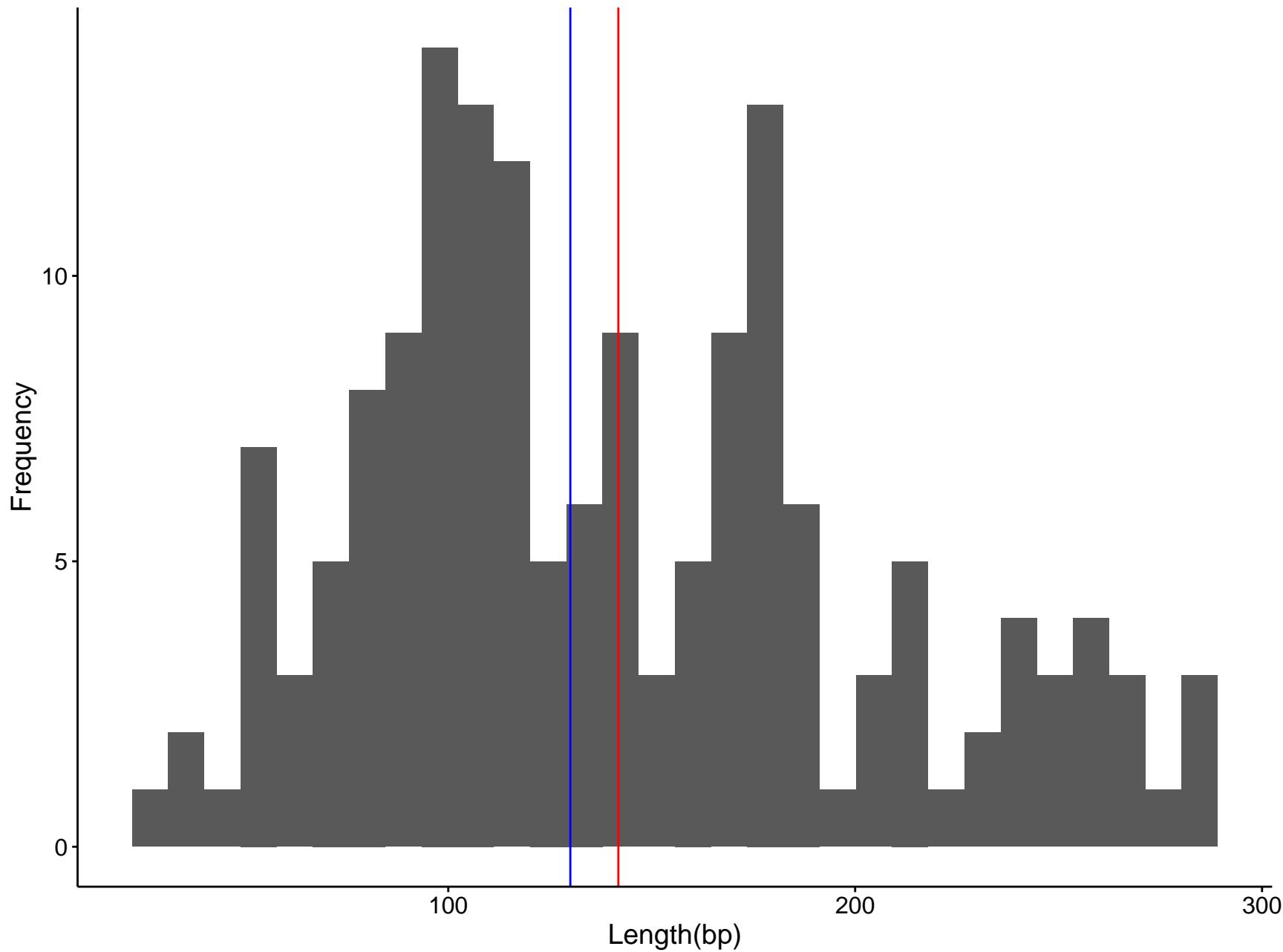
Cluster1412



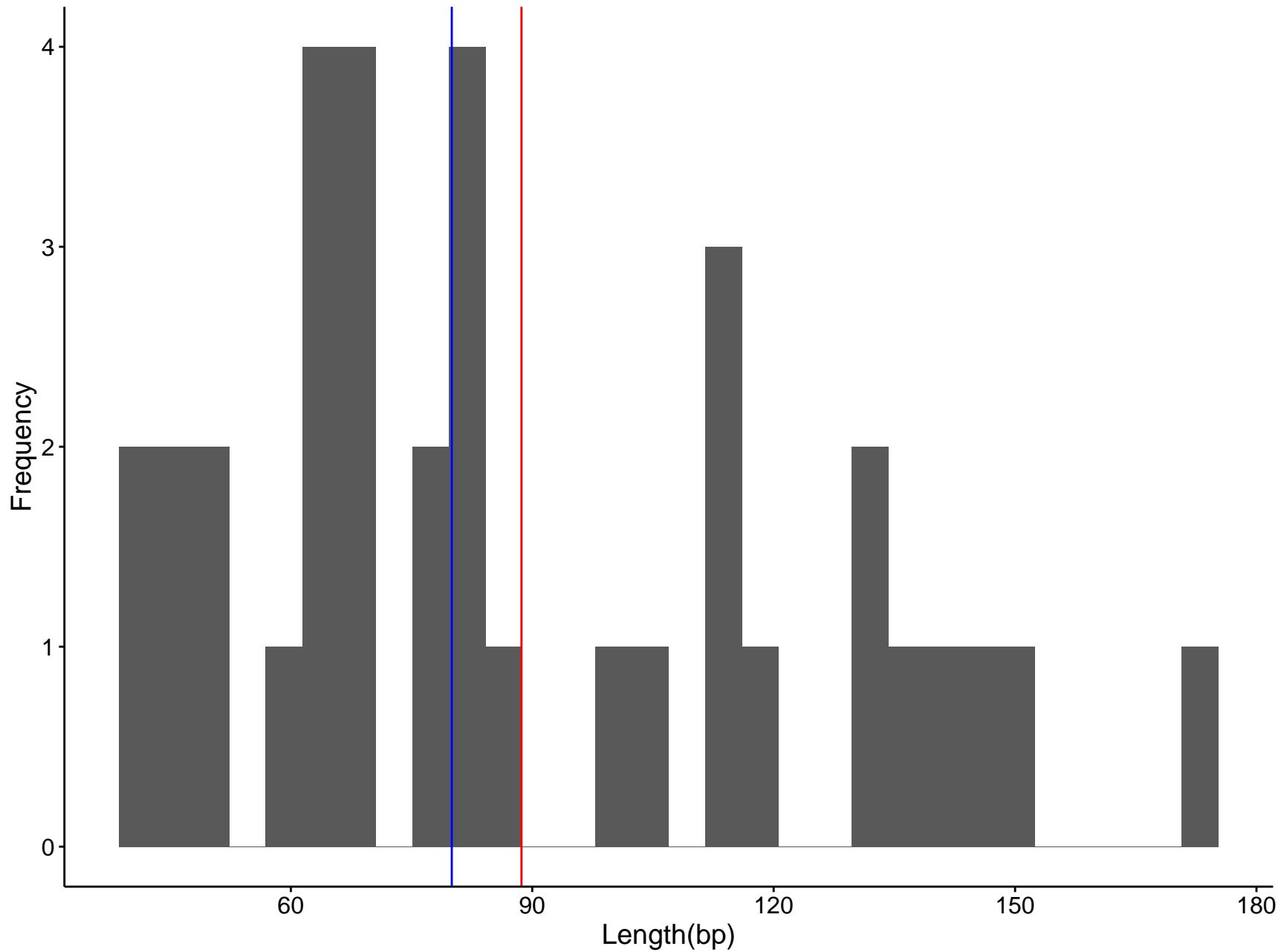
Cluster1413



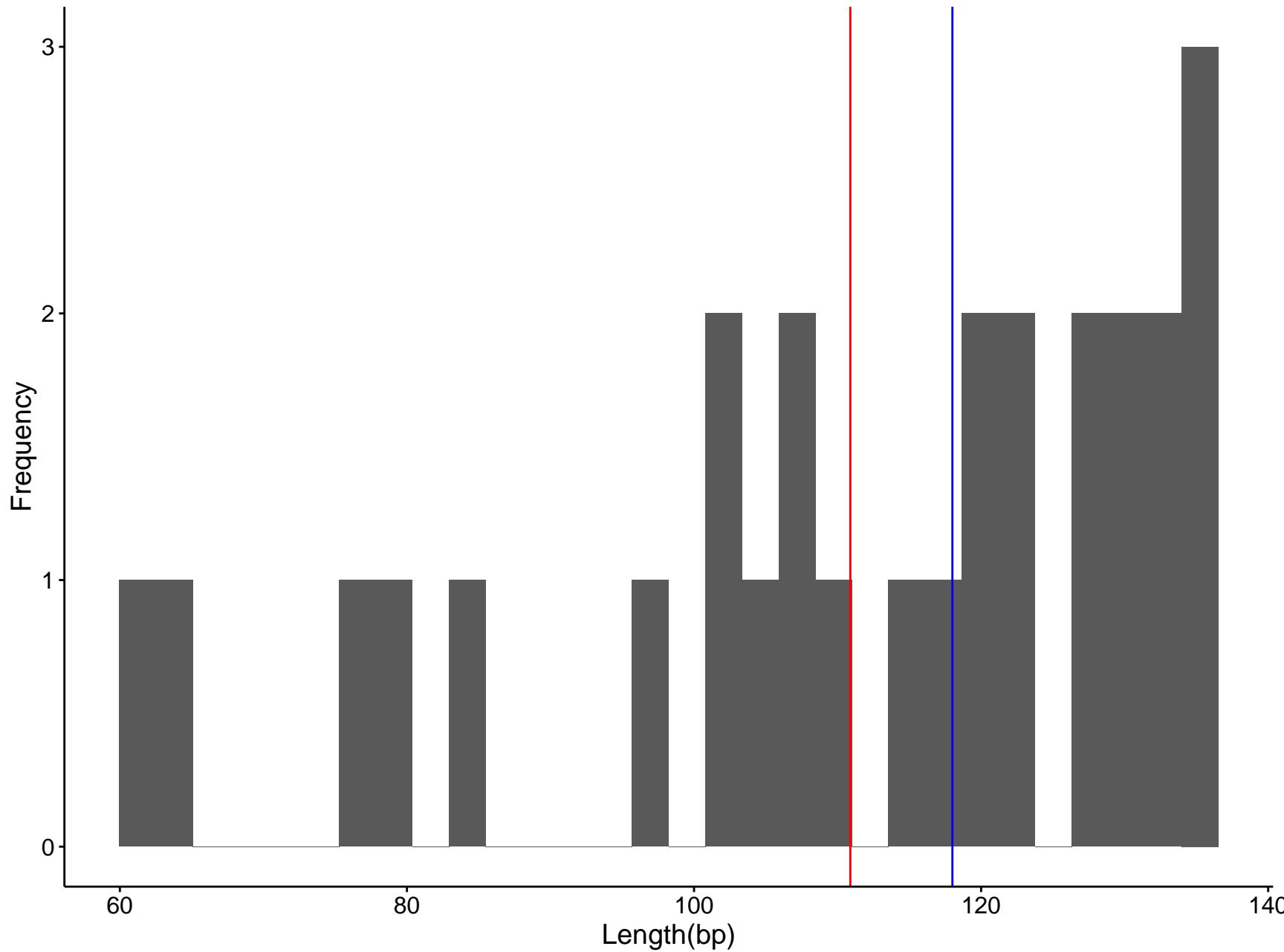
Cluster1414



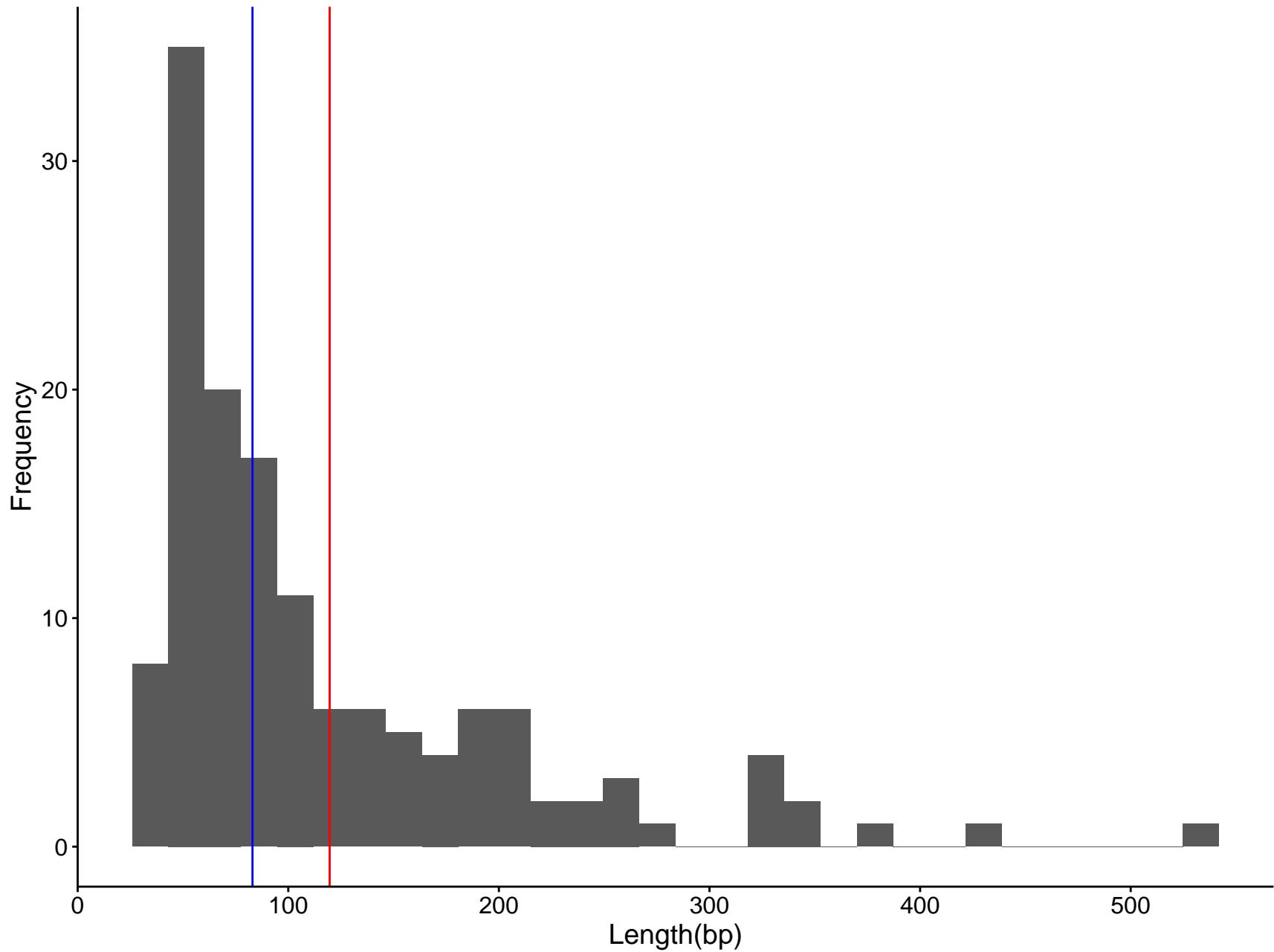
Cluster1415



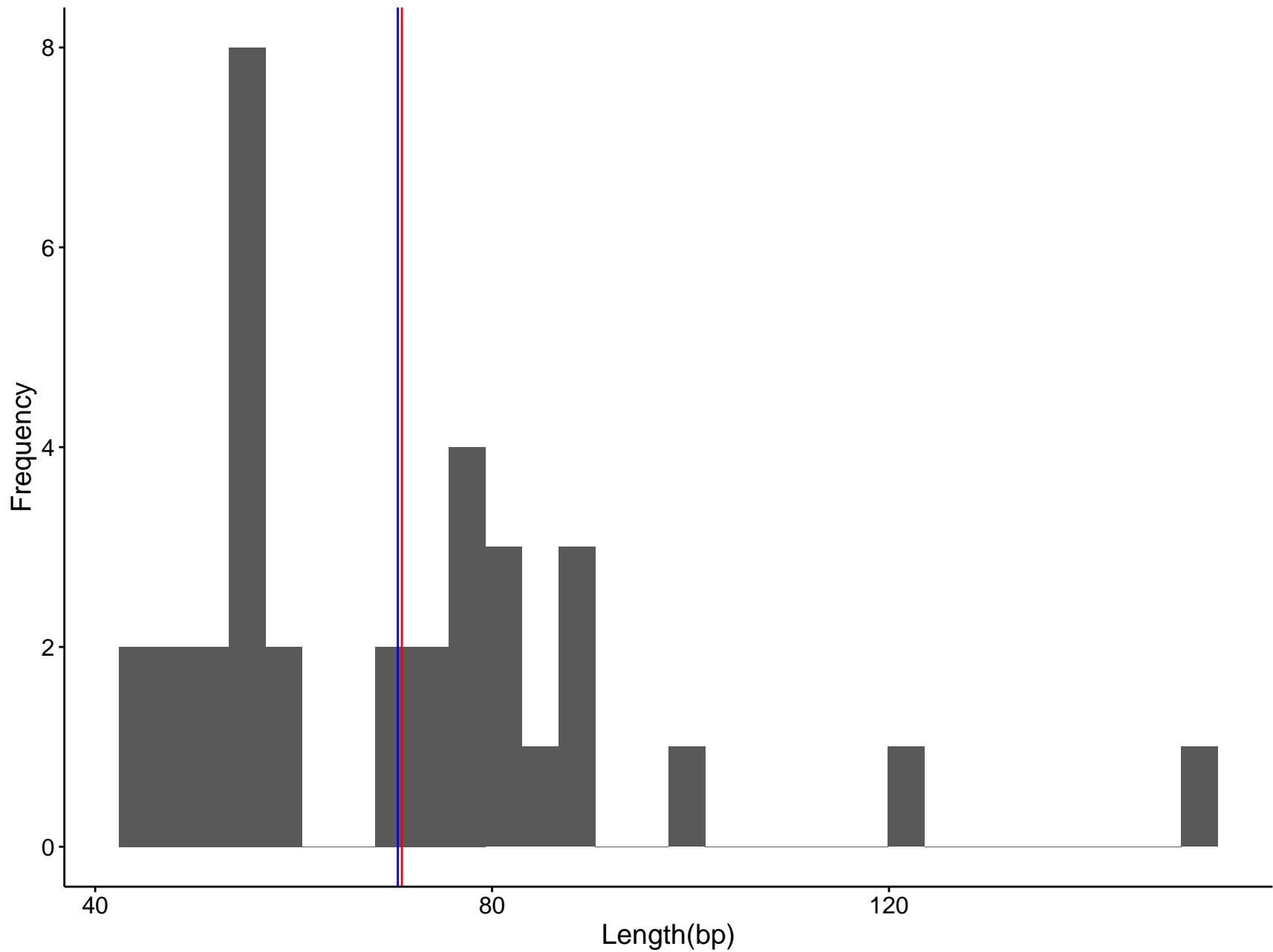
Cluster1416



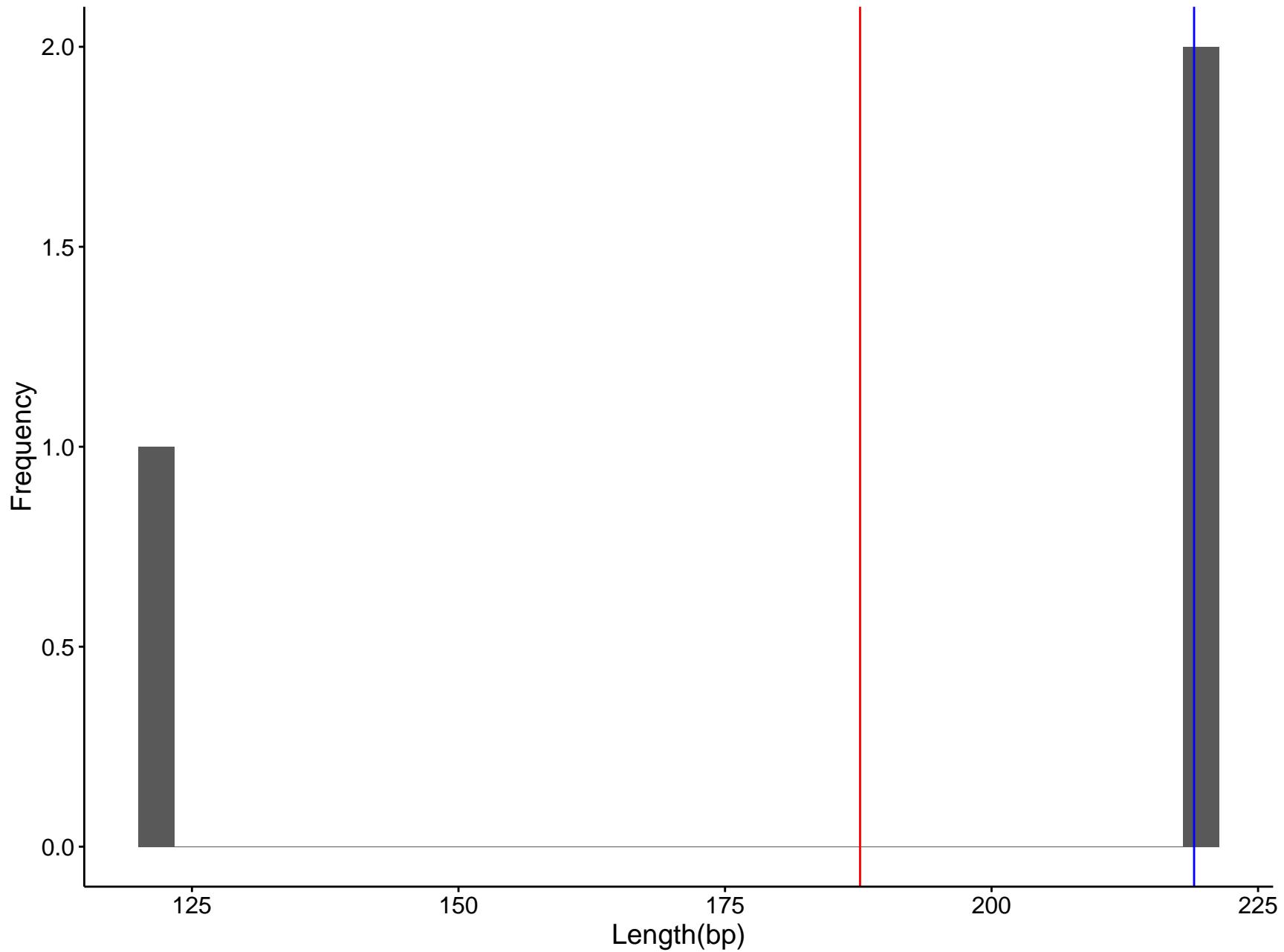
Cluster1417



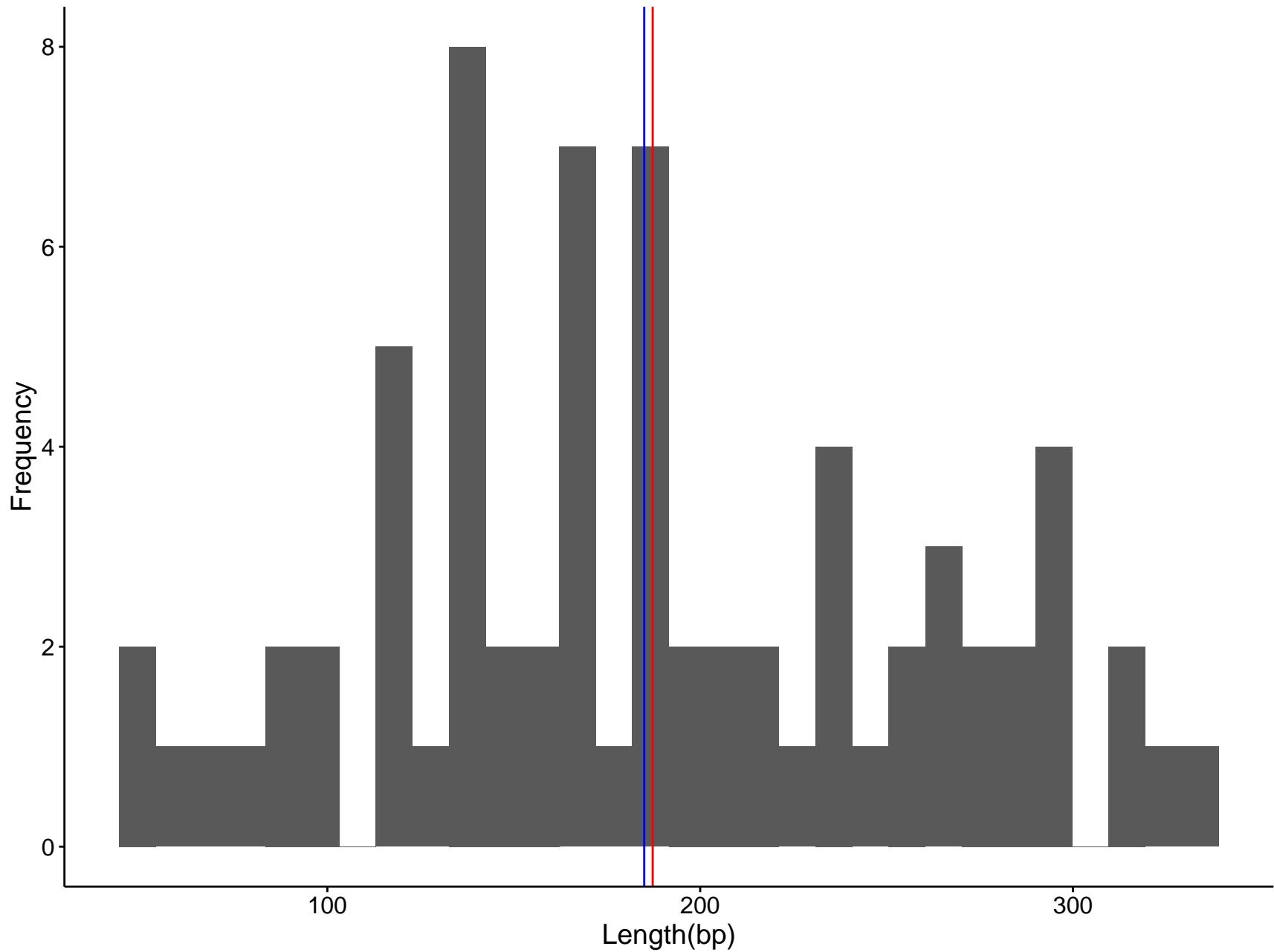
Cluster1419



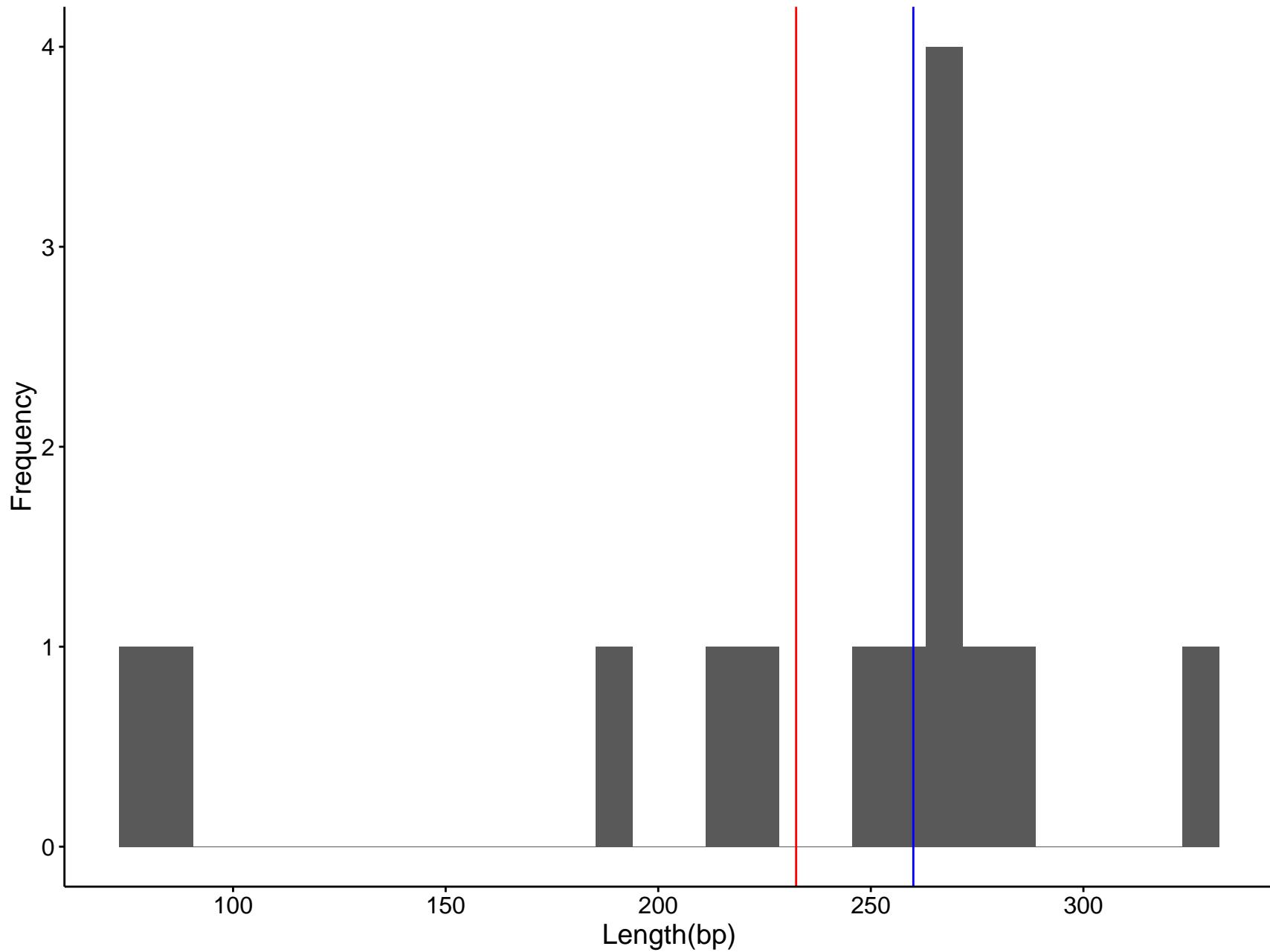
Cluster141



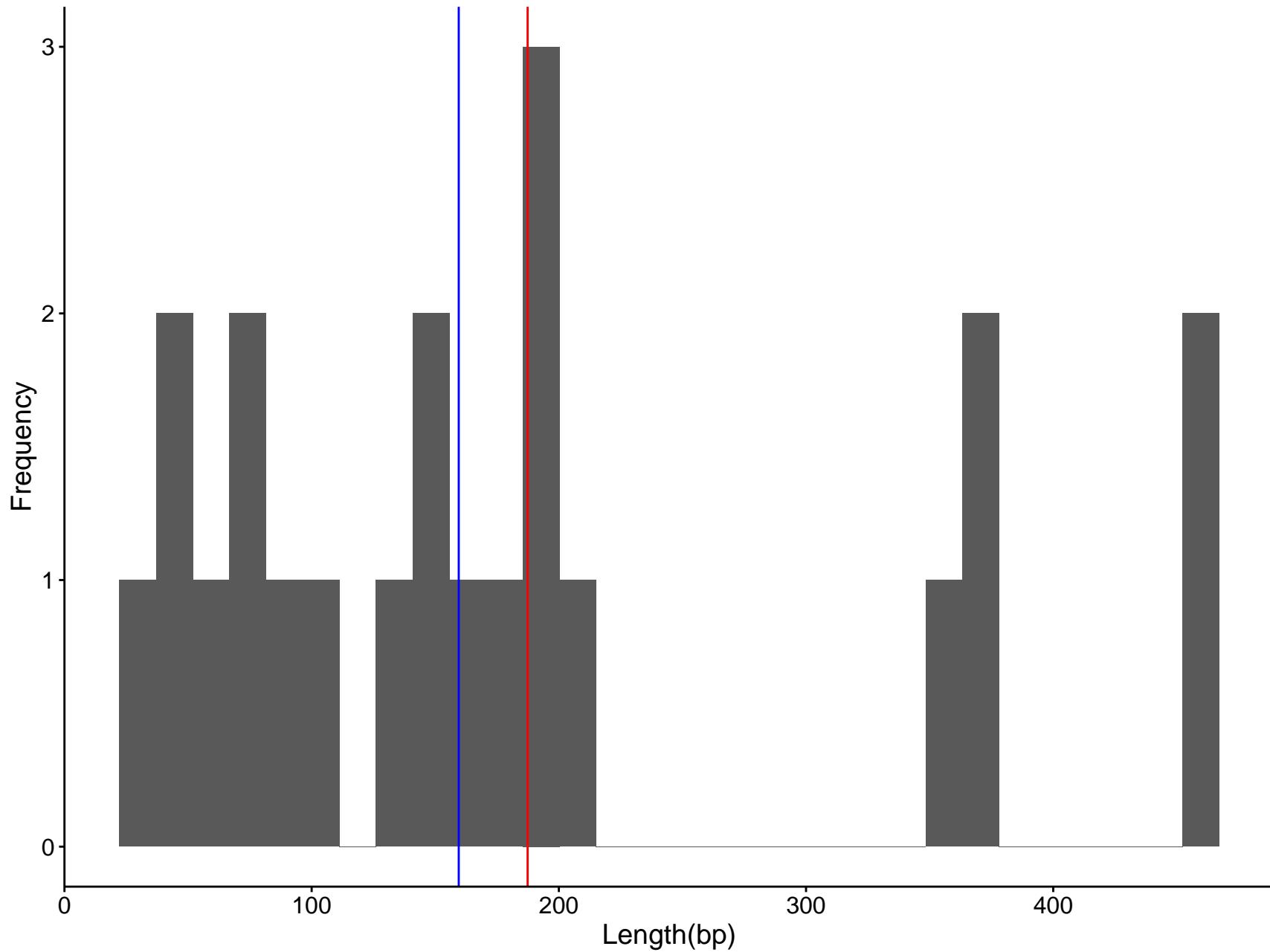
Cluster1421



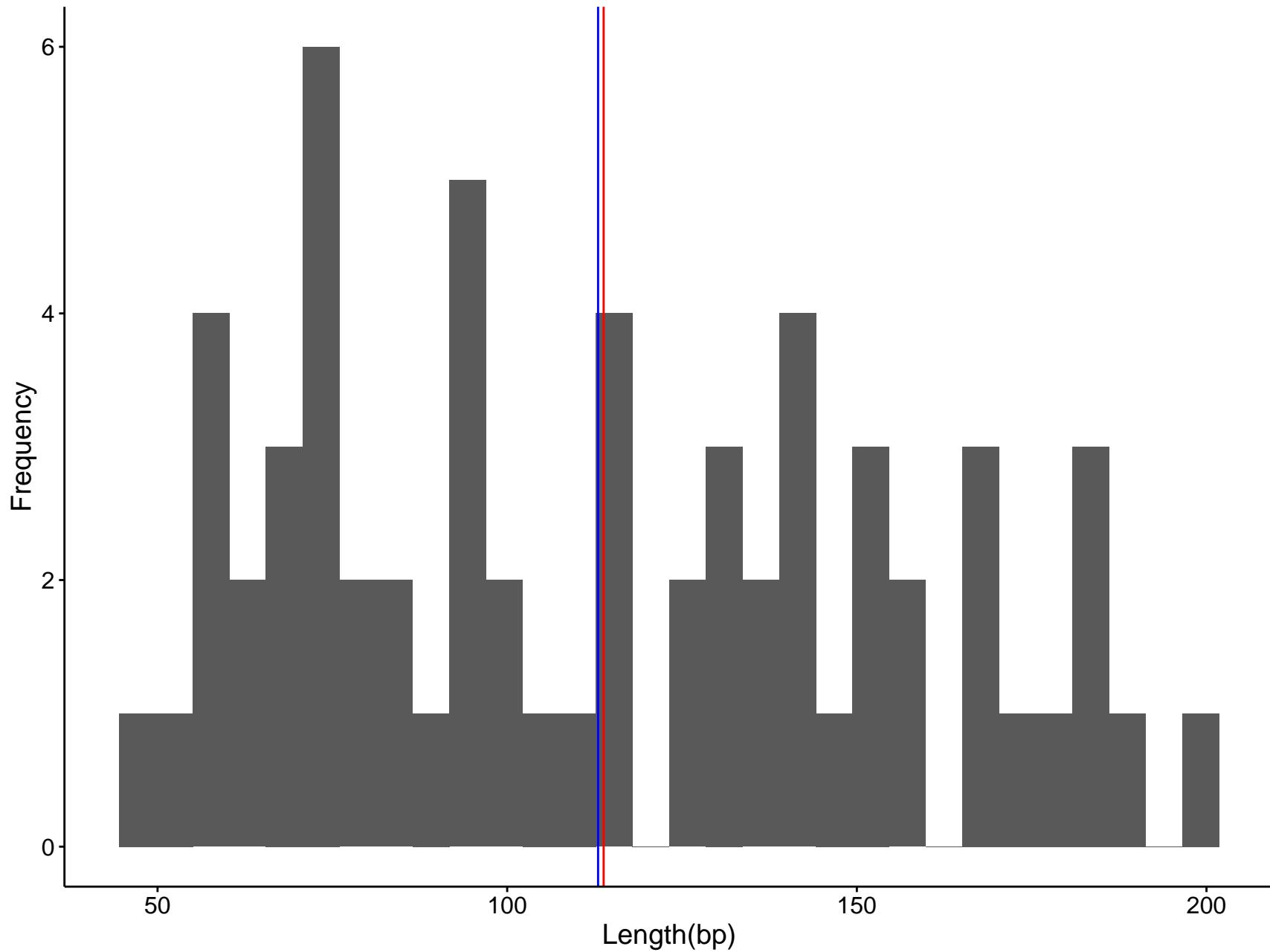
Cluster1422



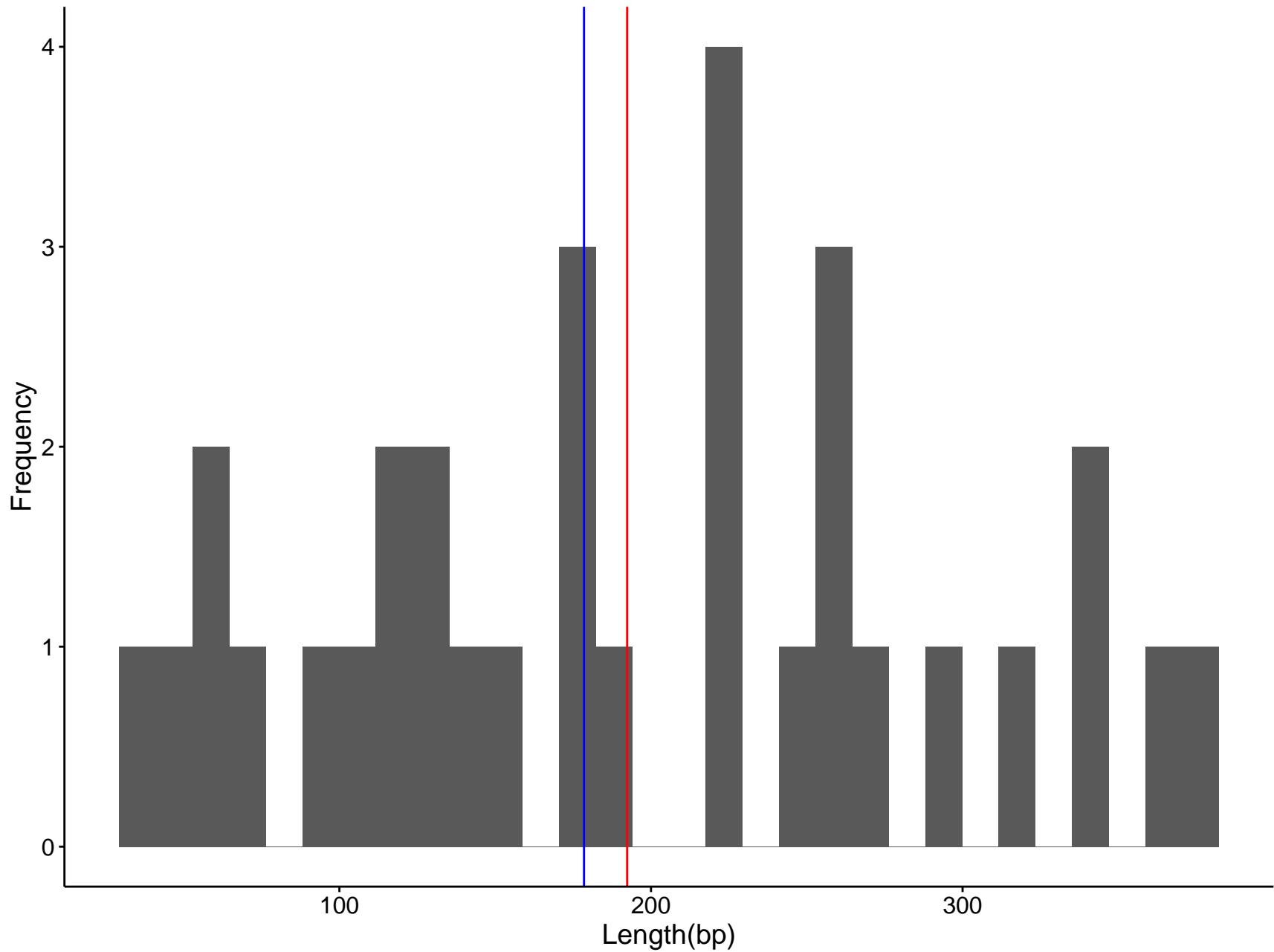
Cluster1425



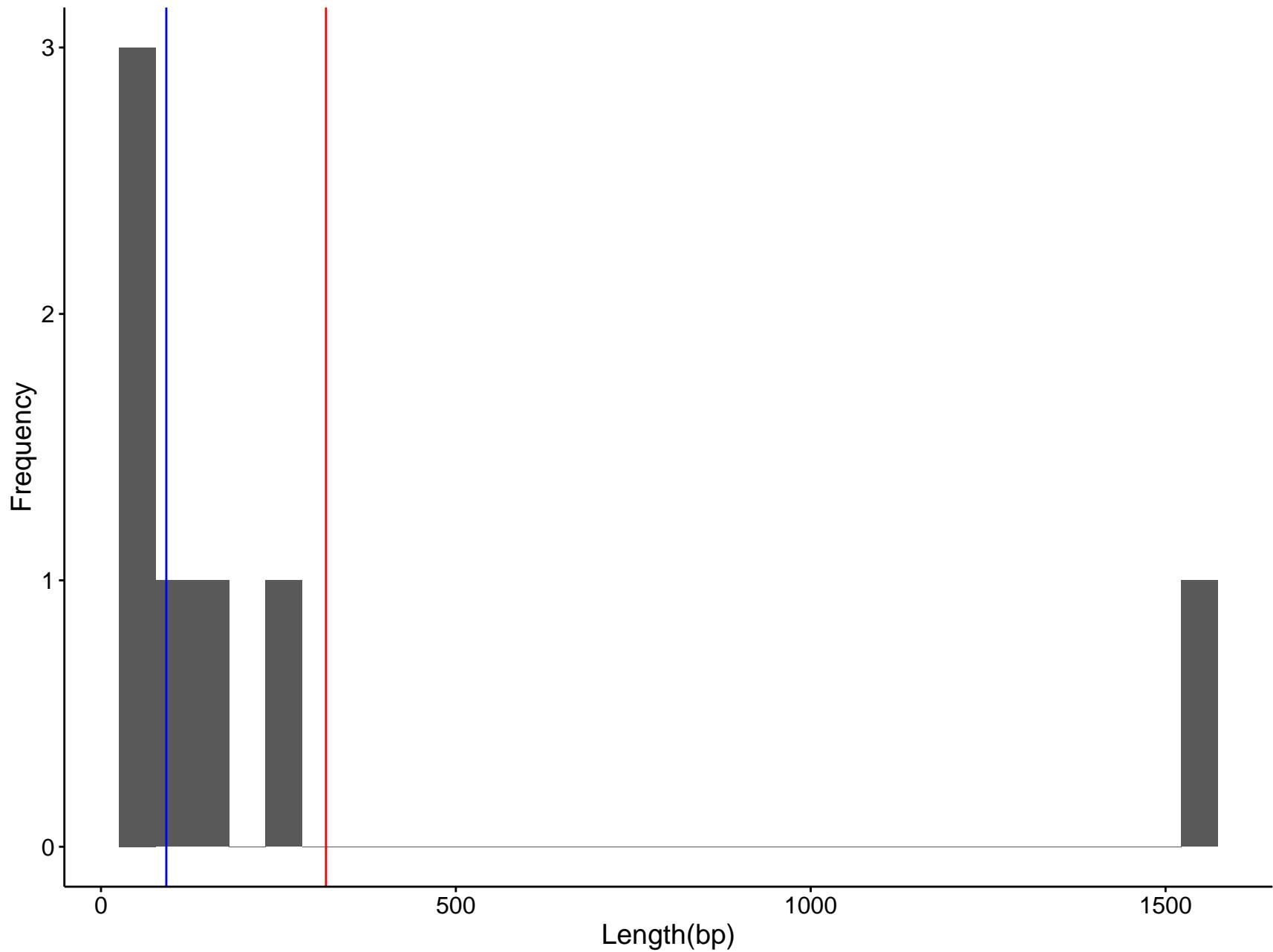
Cluster1427



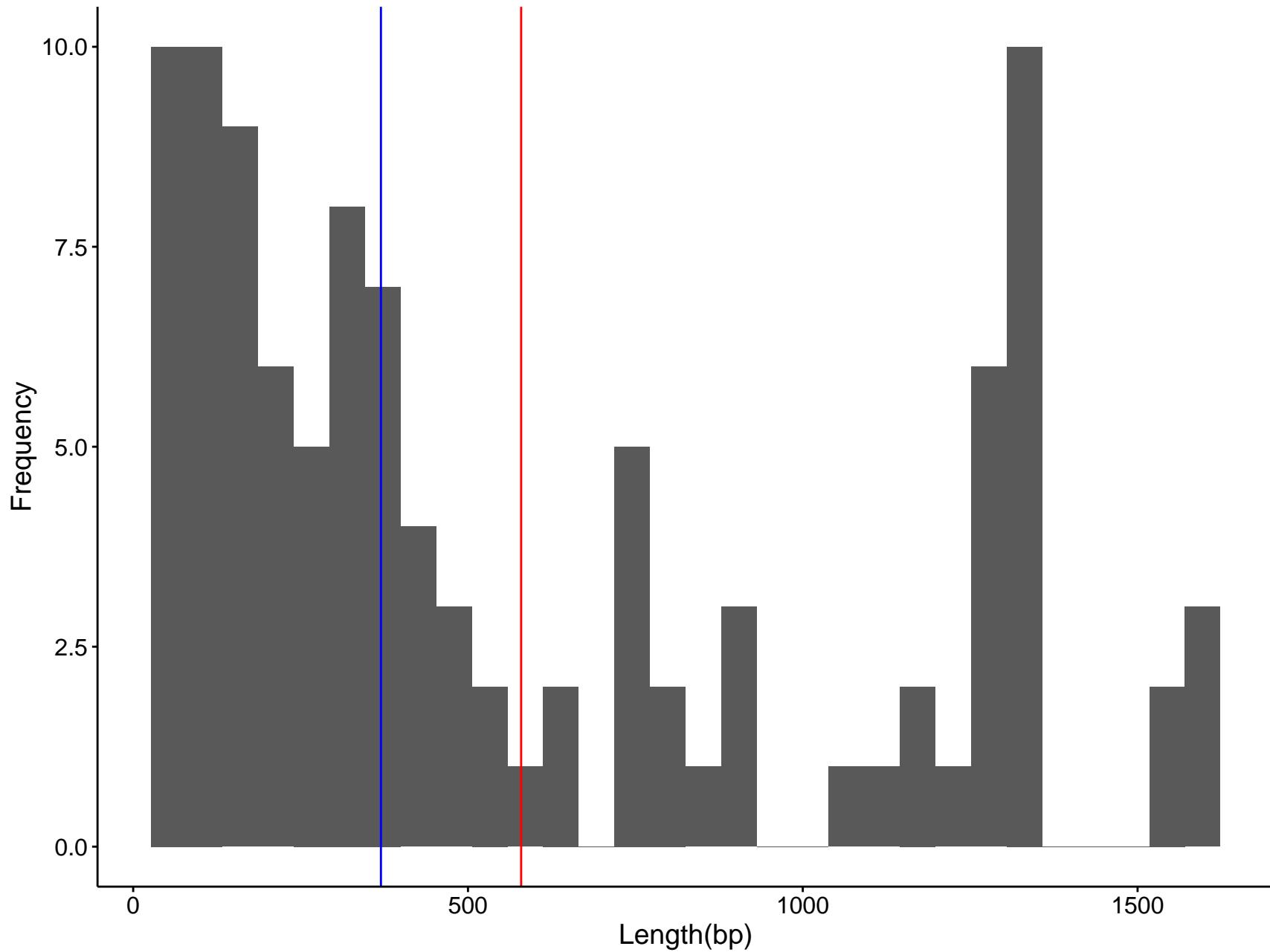
Cluster1428



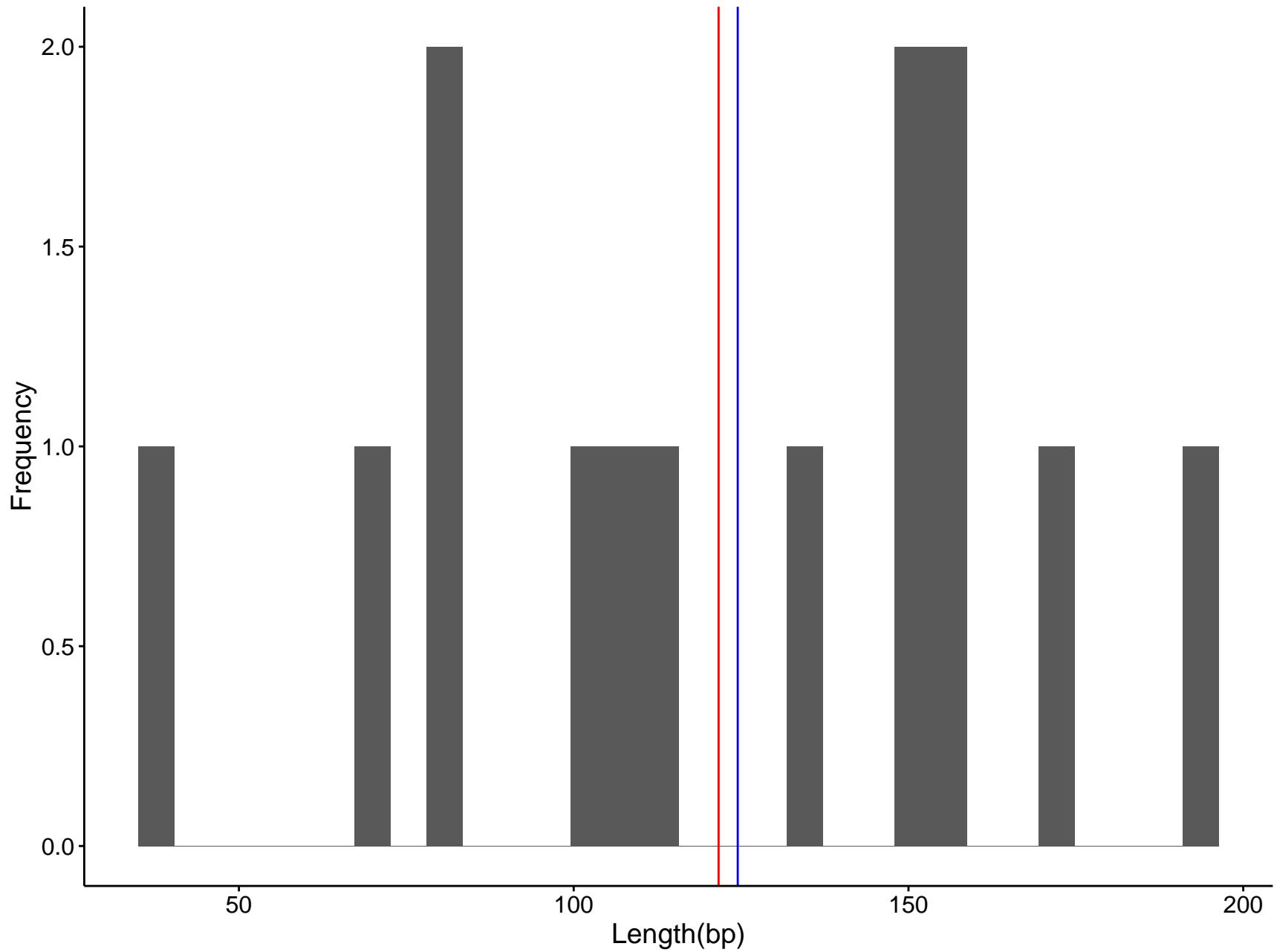
Cluster1429



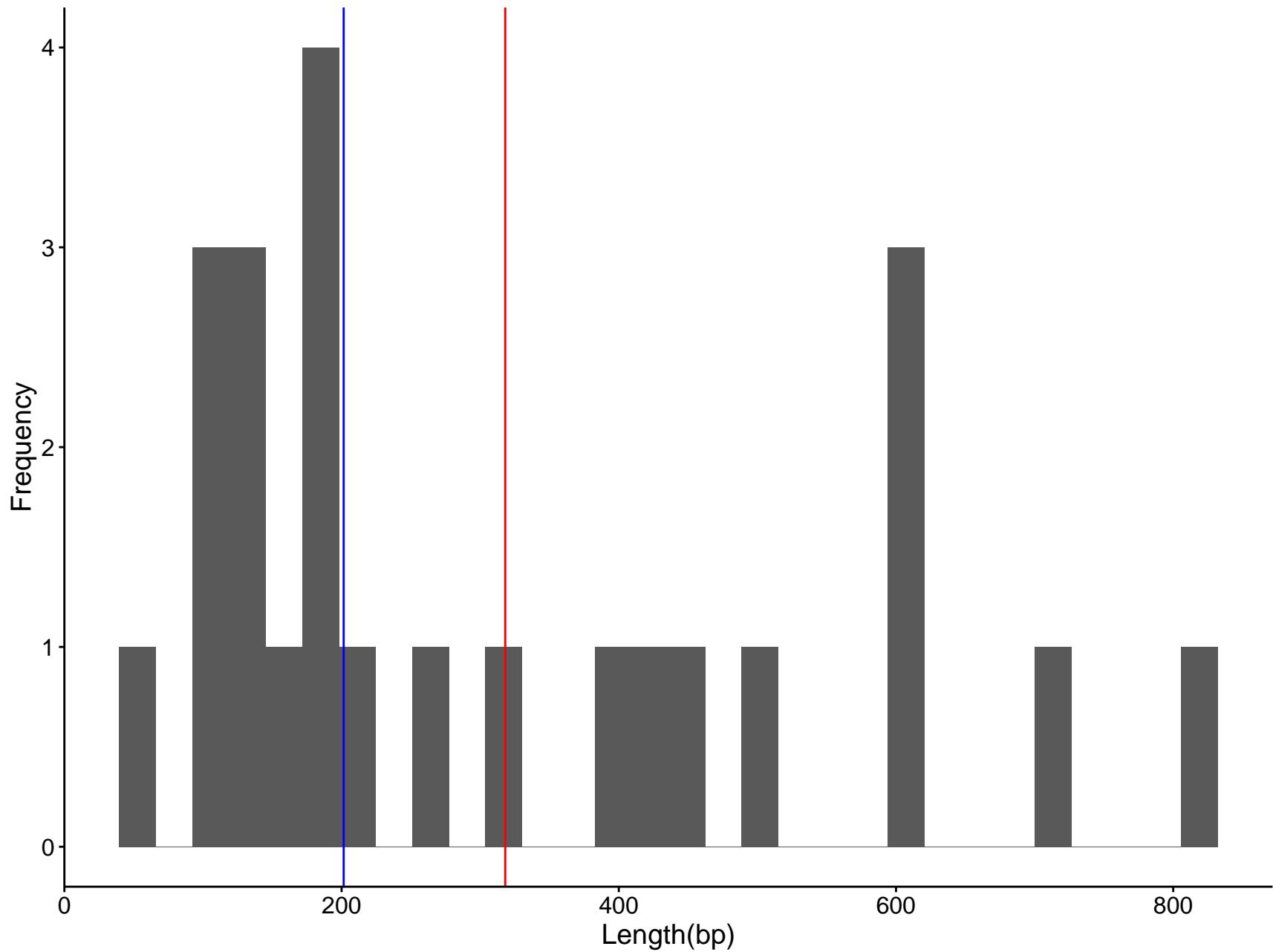
Cluster142



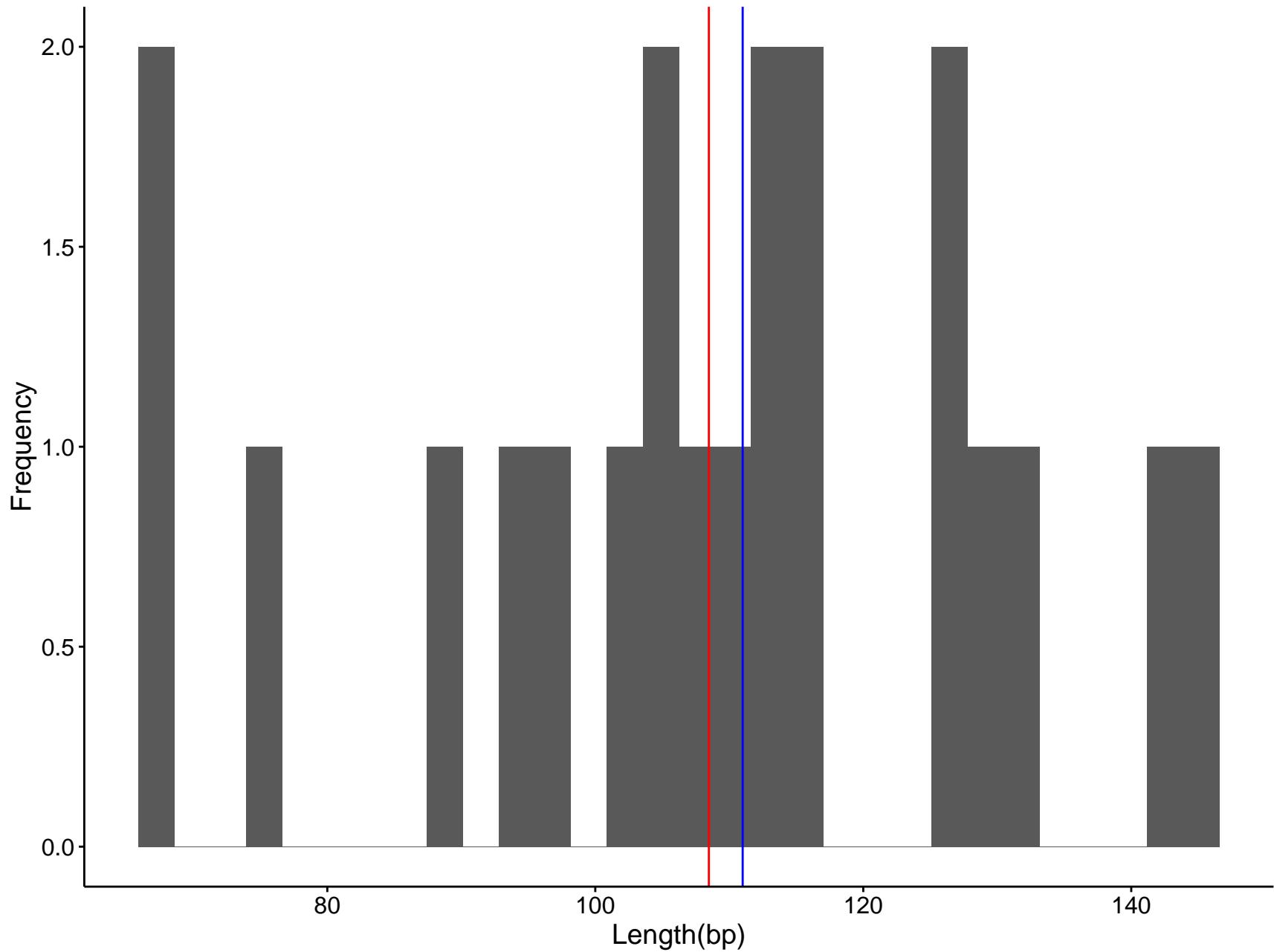
Cluster1430



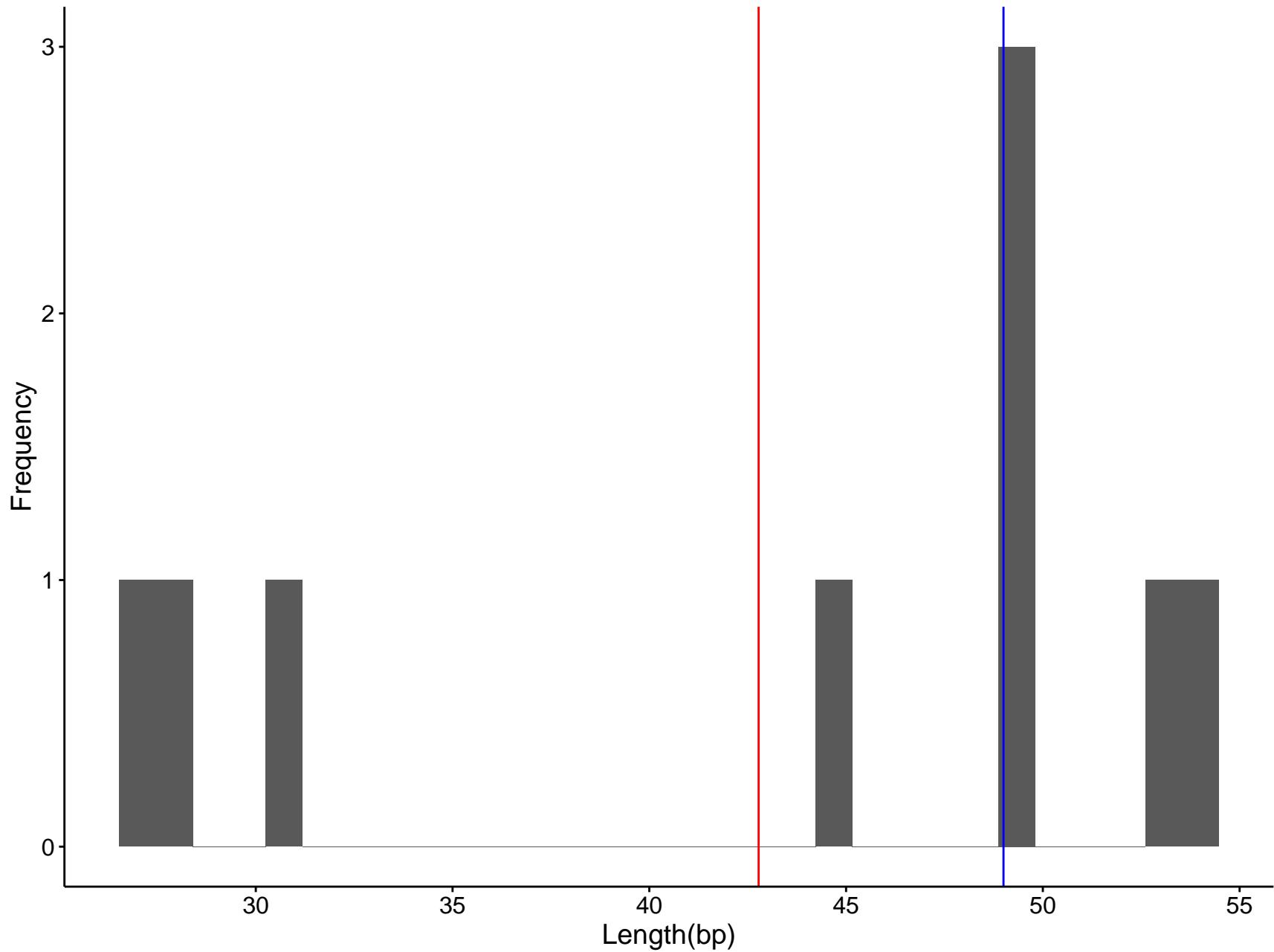
Cluster1431



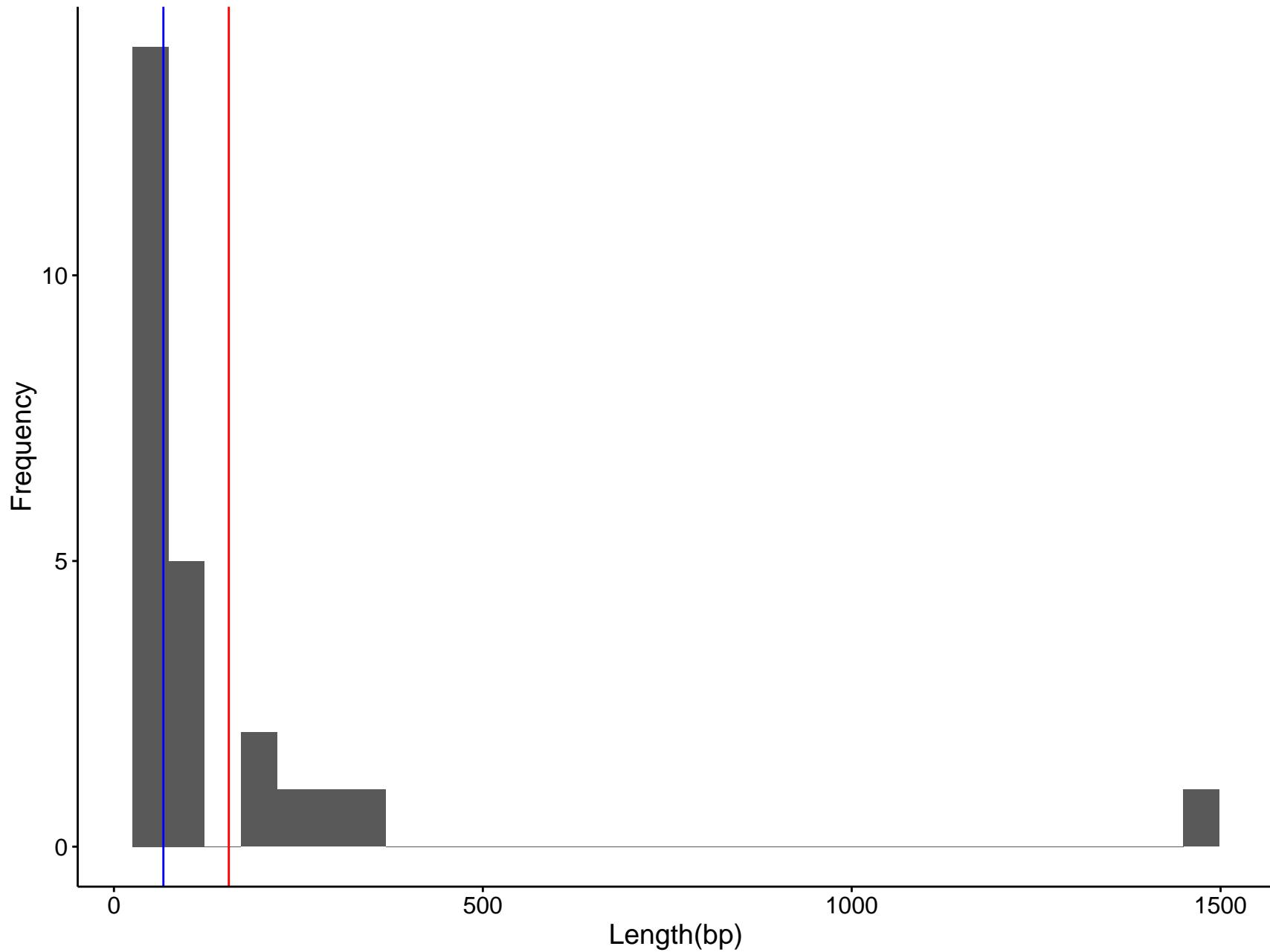
Cluster1432



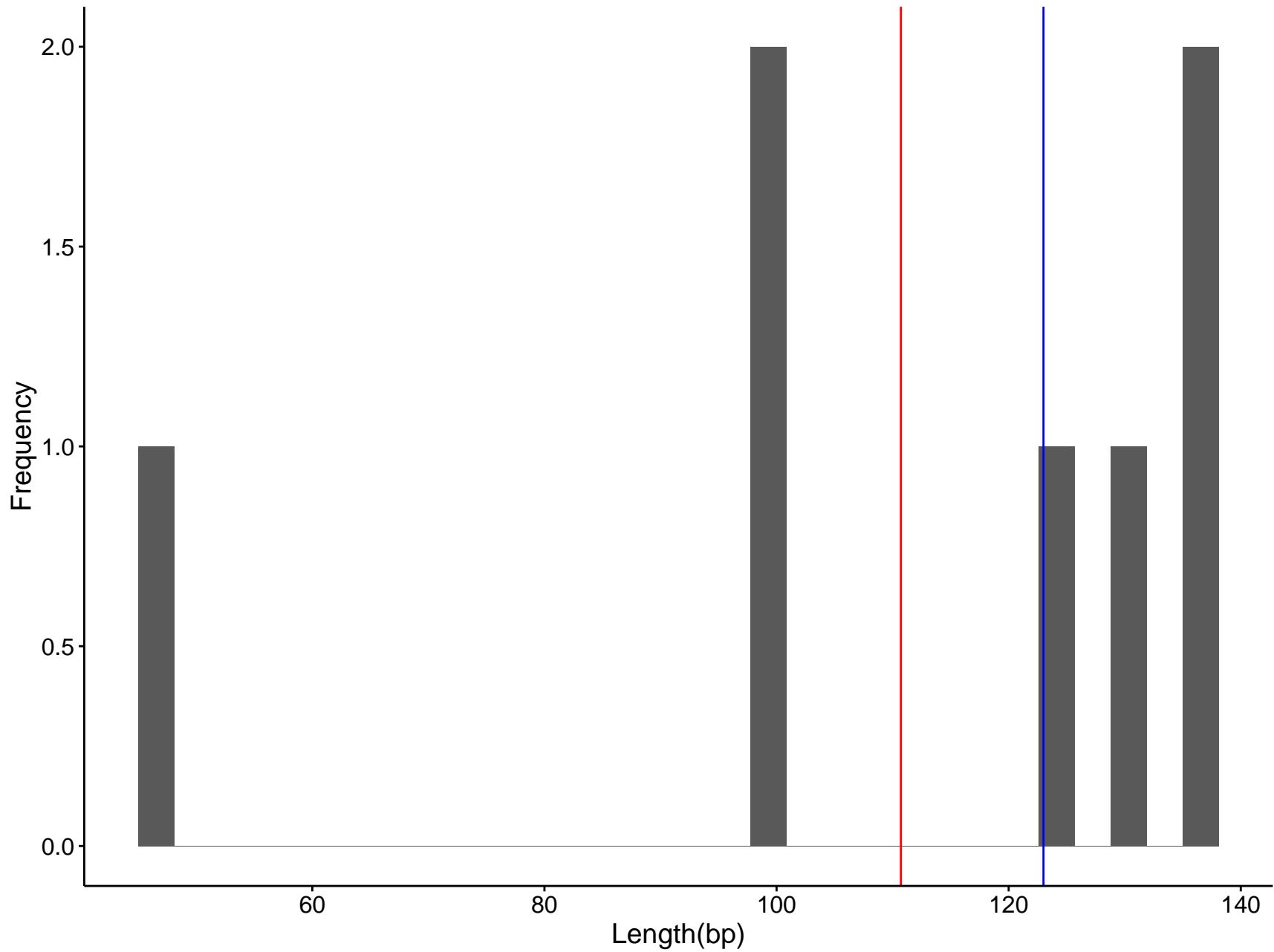
Cluster1433



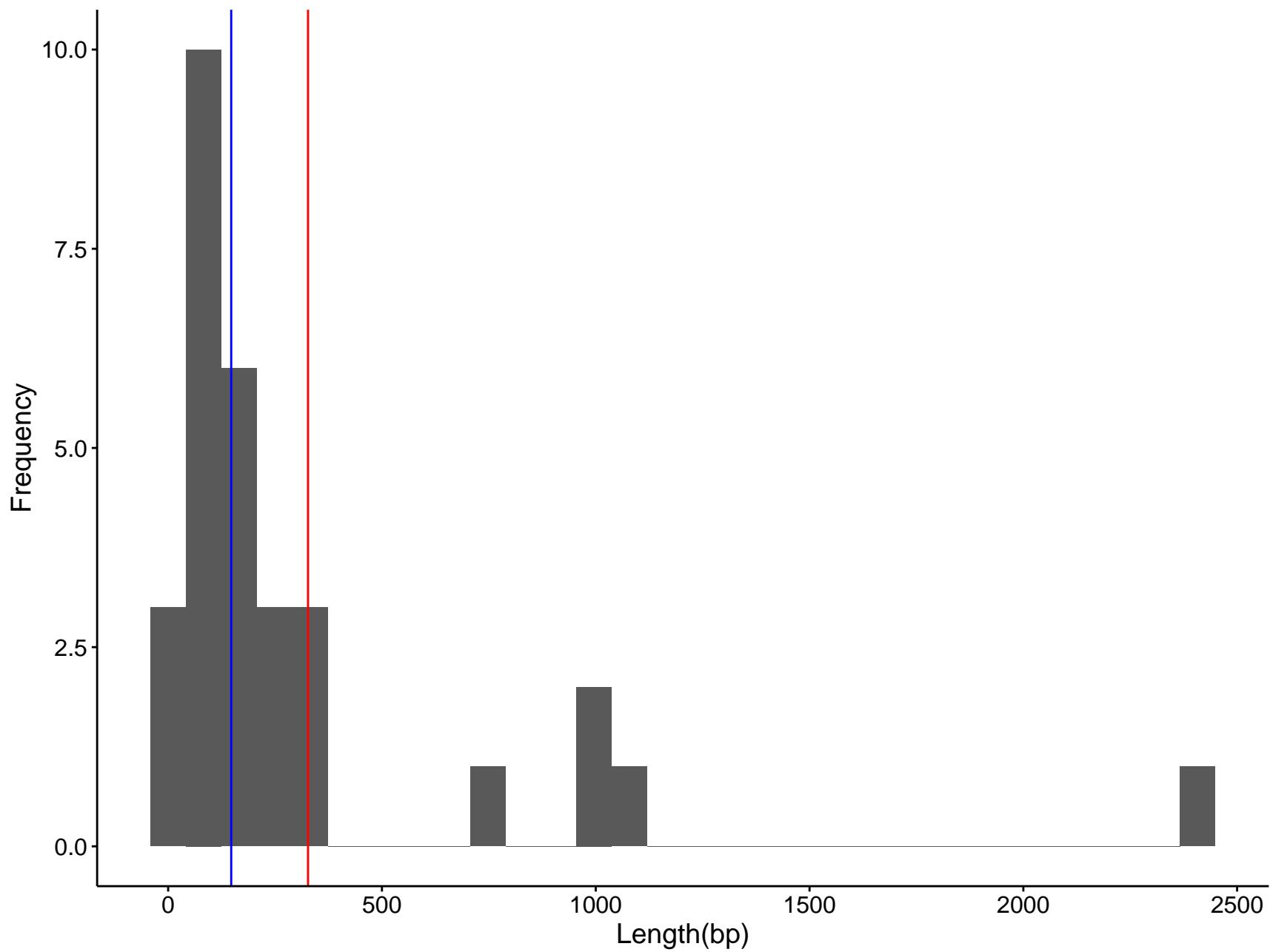
Cluster1434



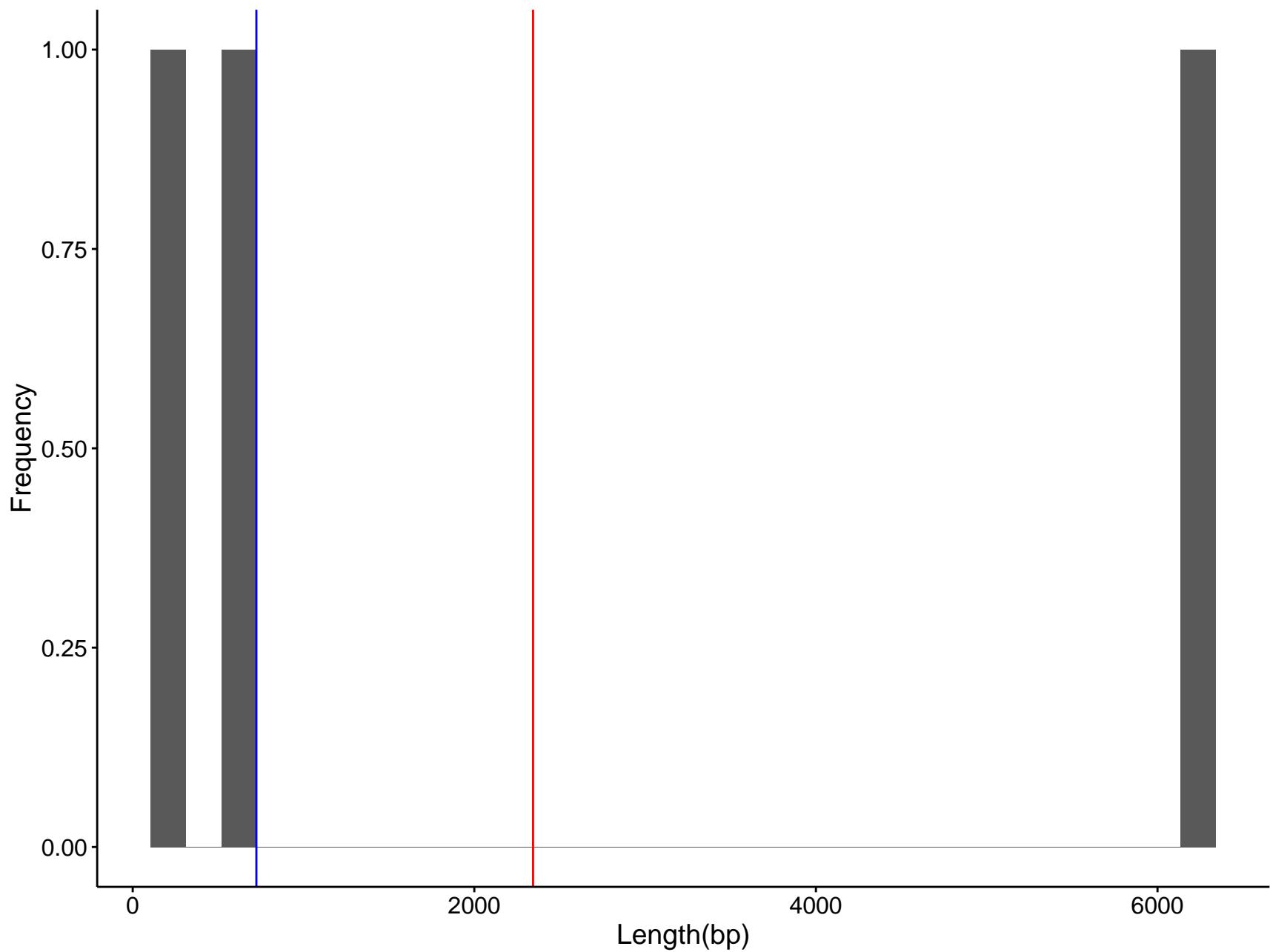
Cluster1435



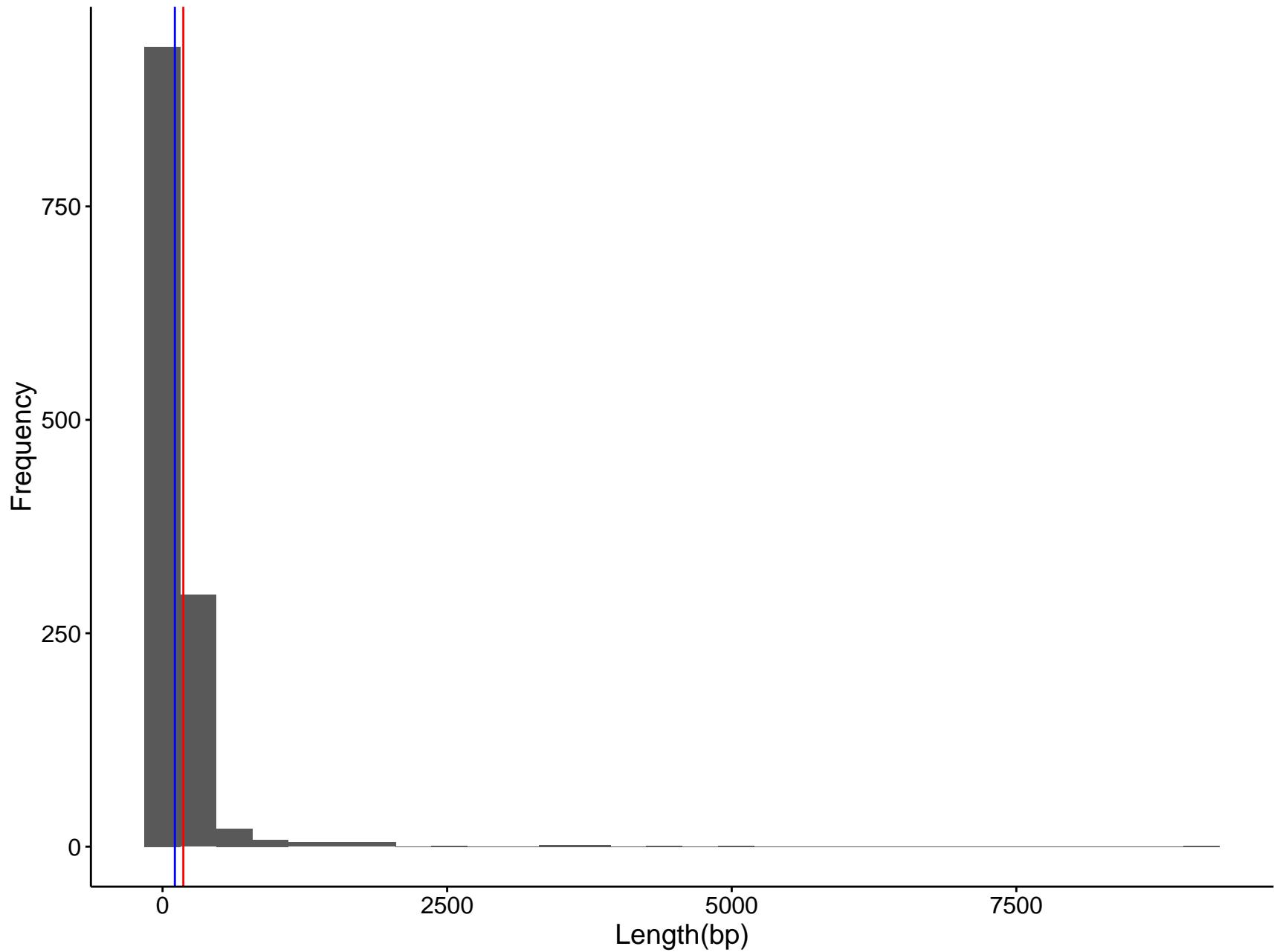
Cluster1436



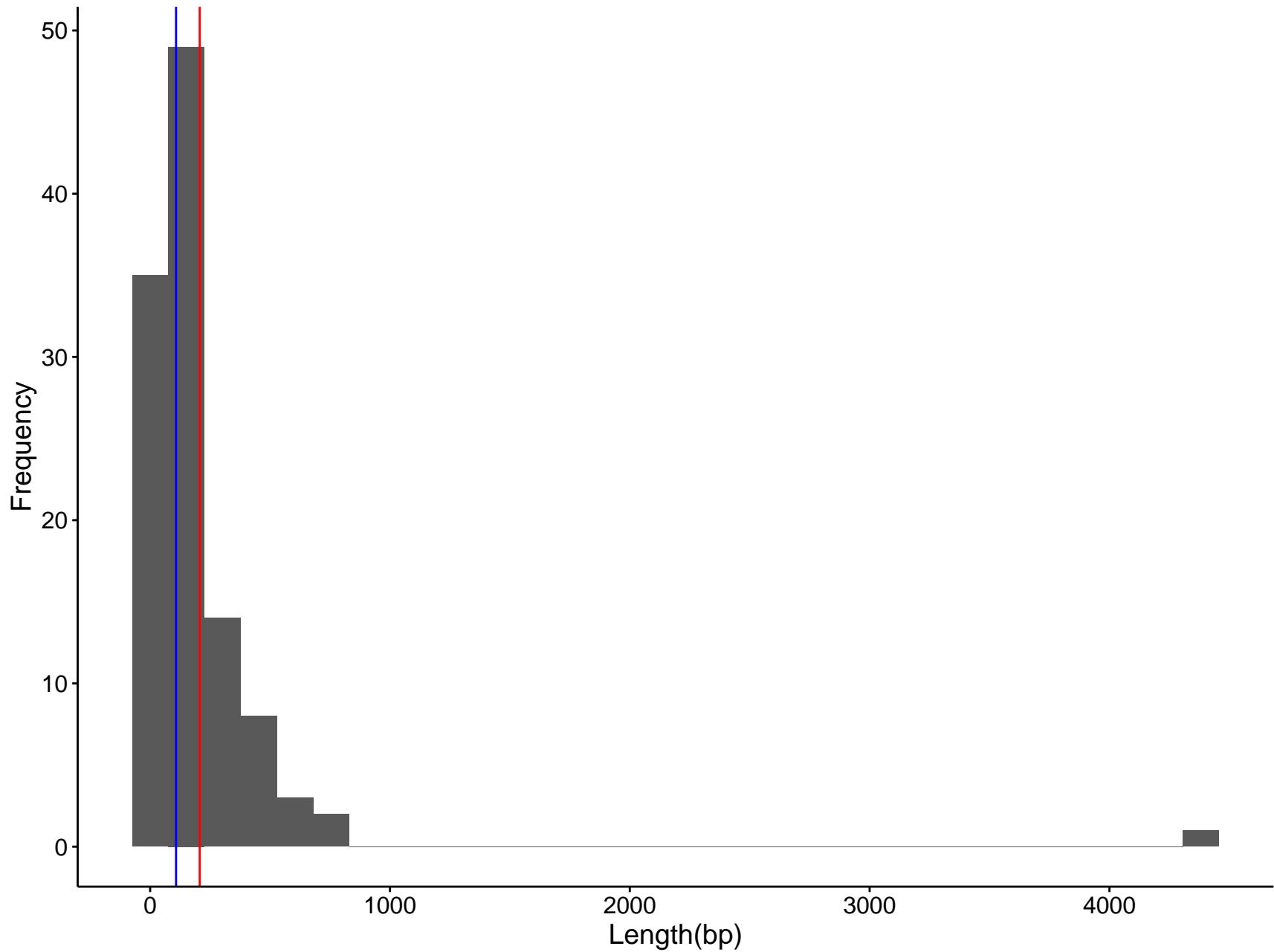
Cluster1437



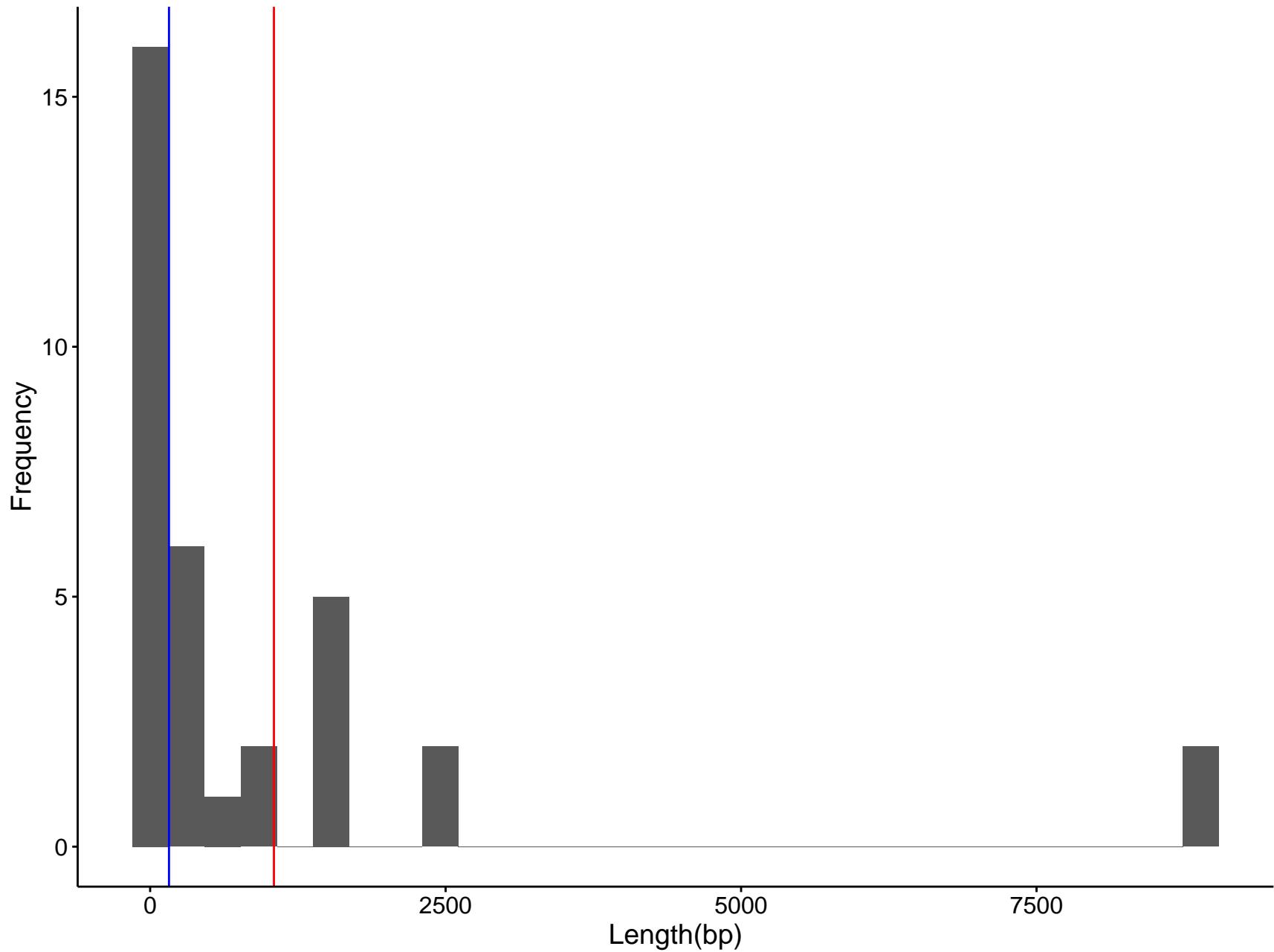
Cluster1438



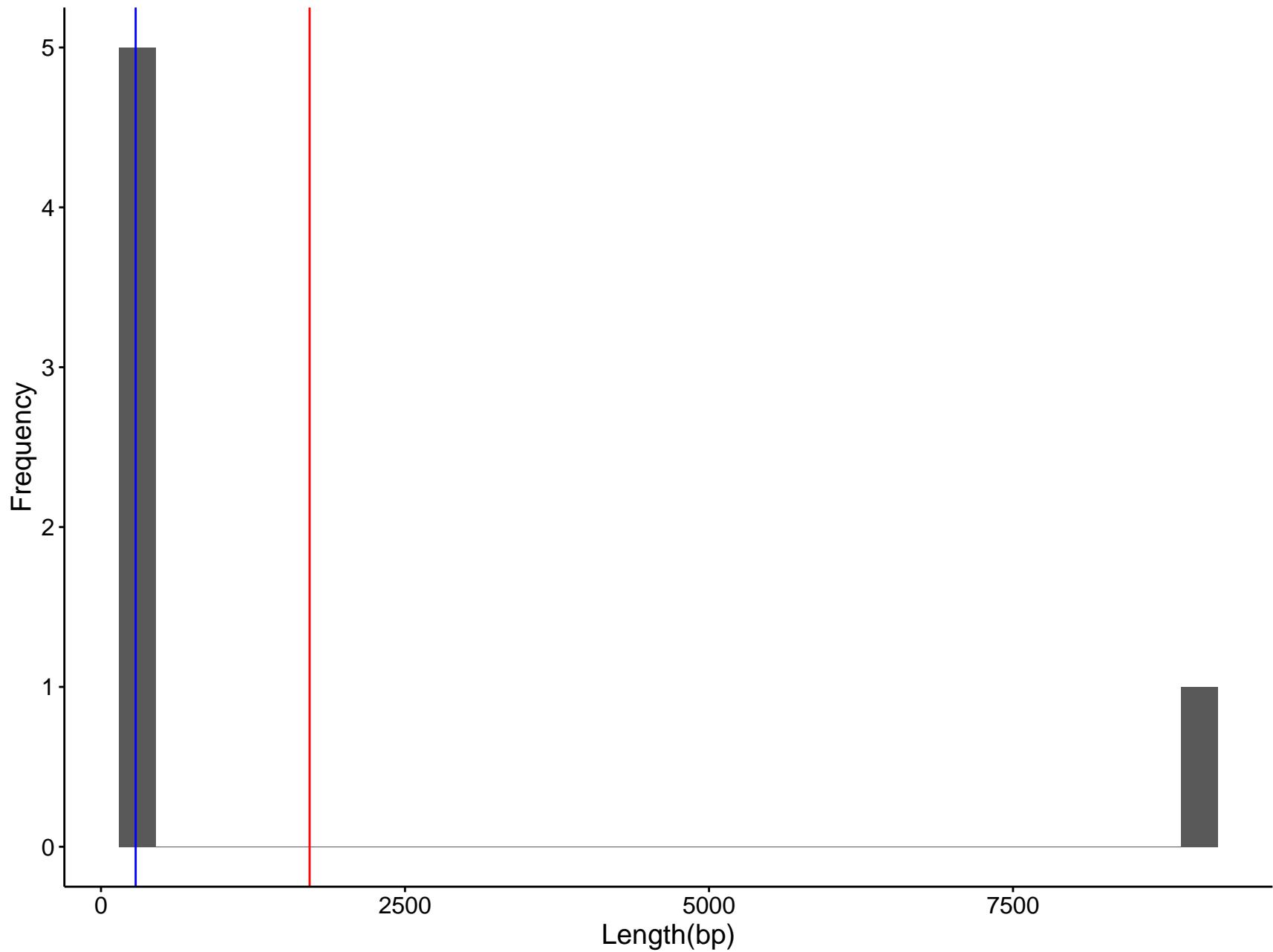
Cluster1439



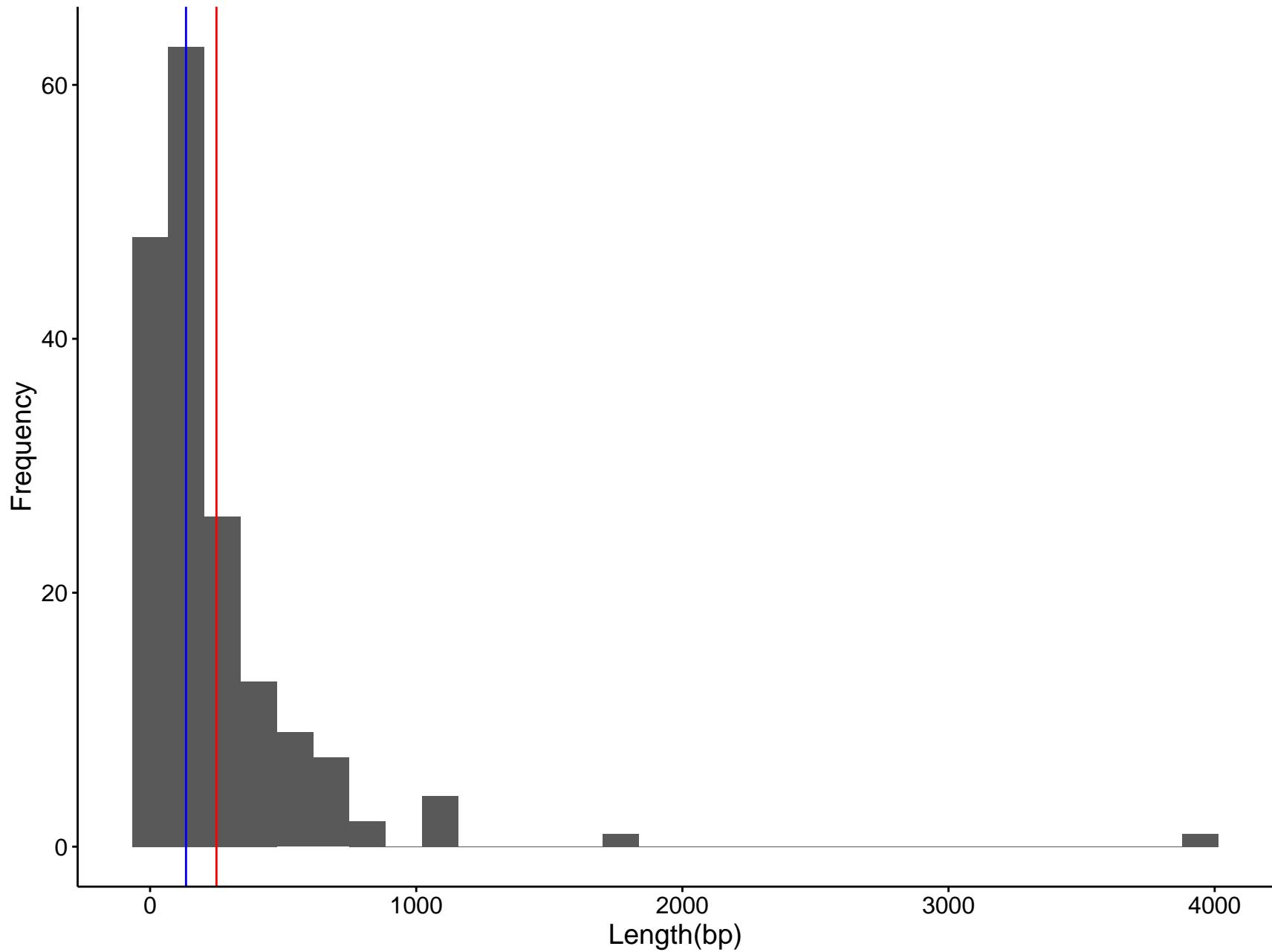
Cluster1441



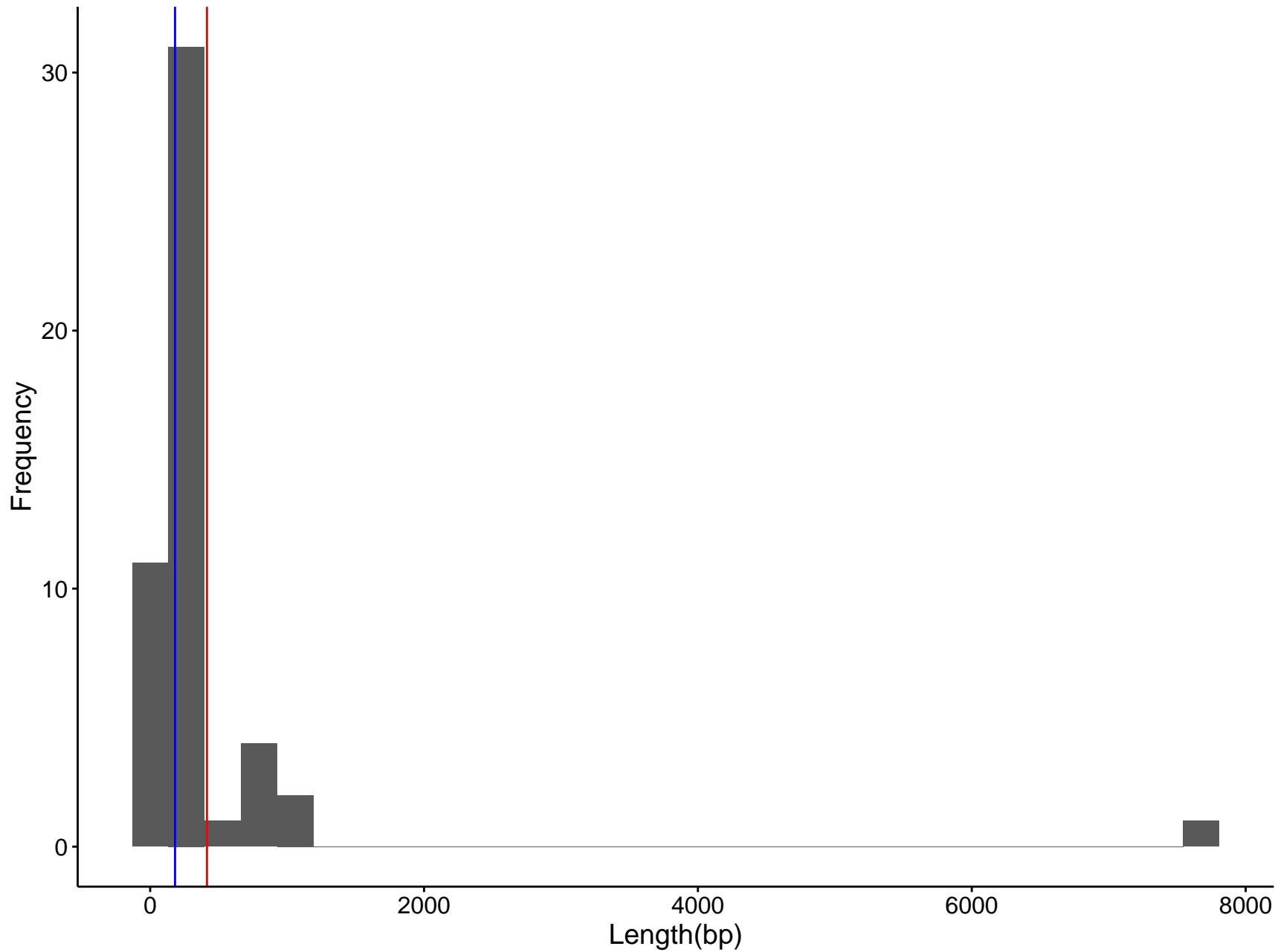
Cluster1442



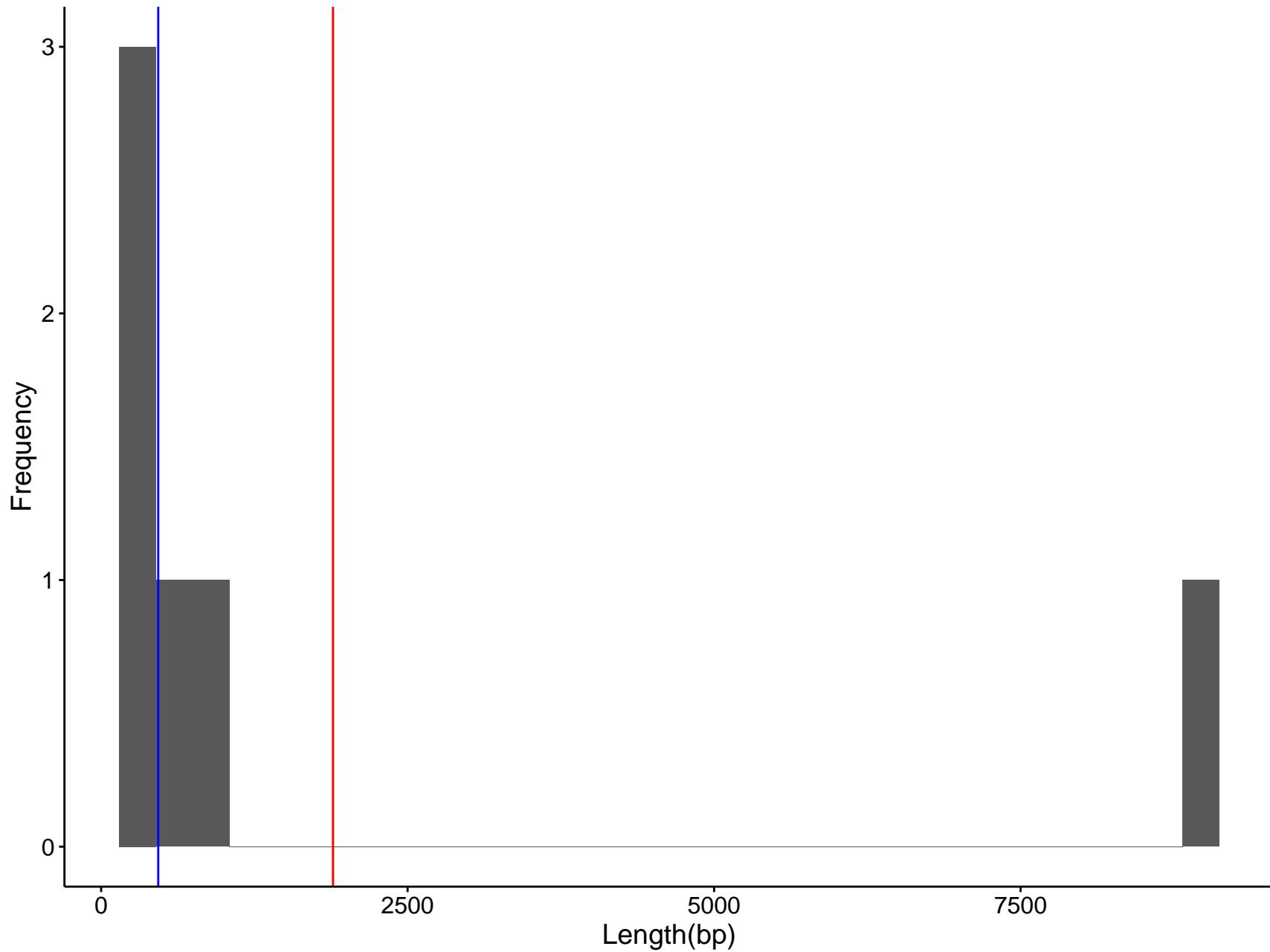
Cluster1443



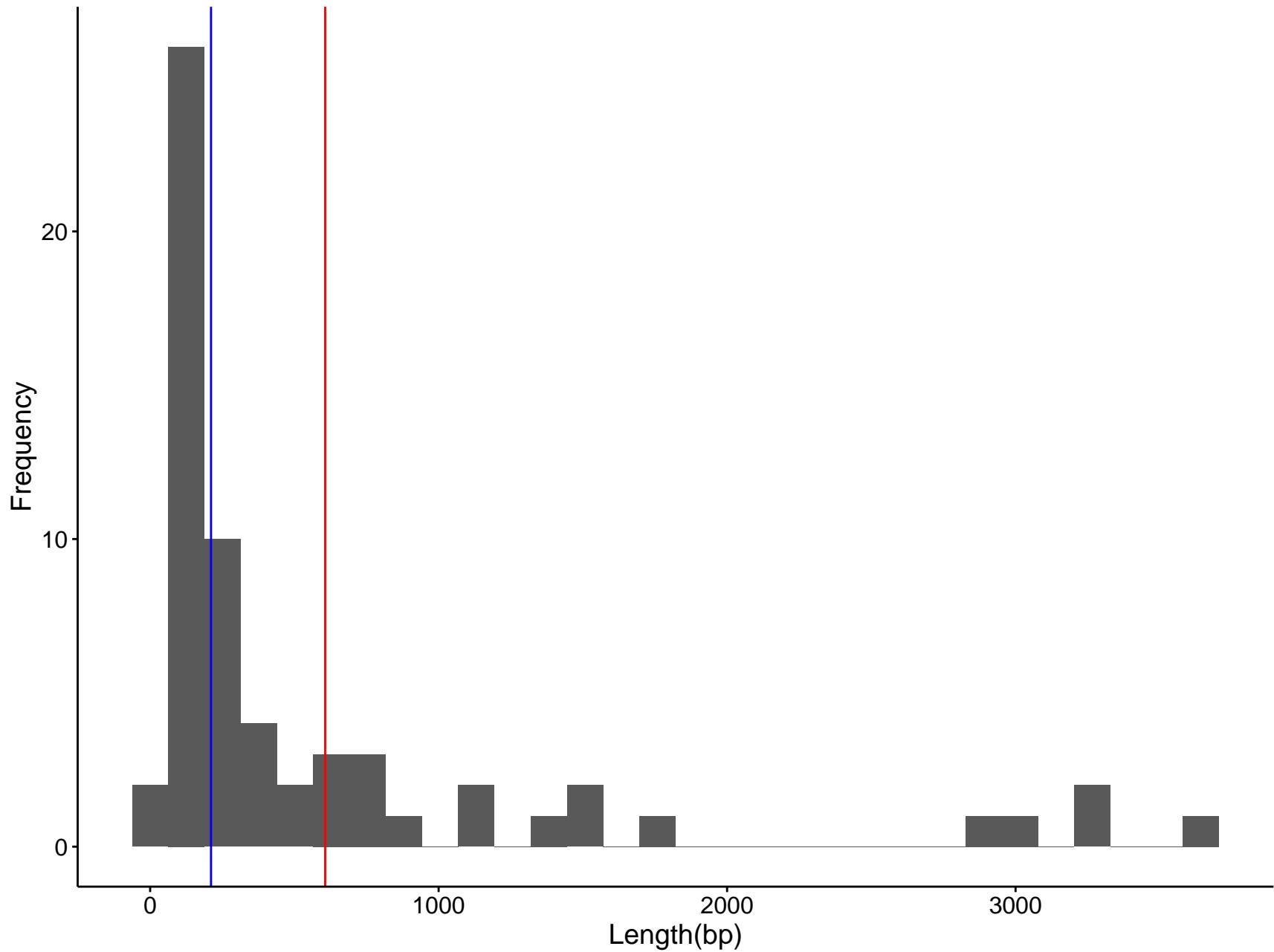
Cluster1444



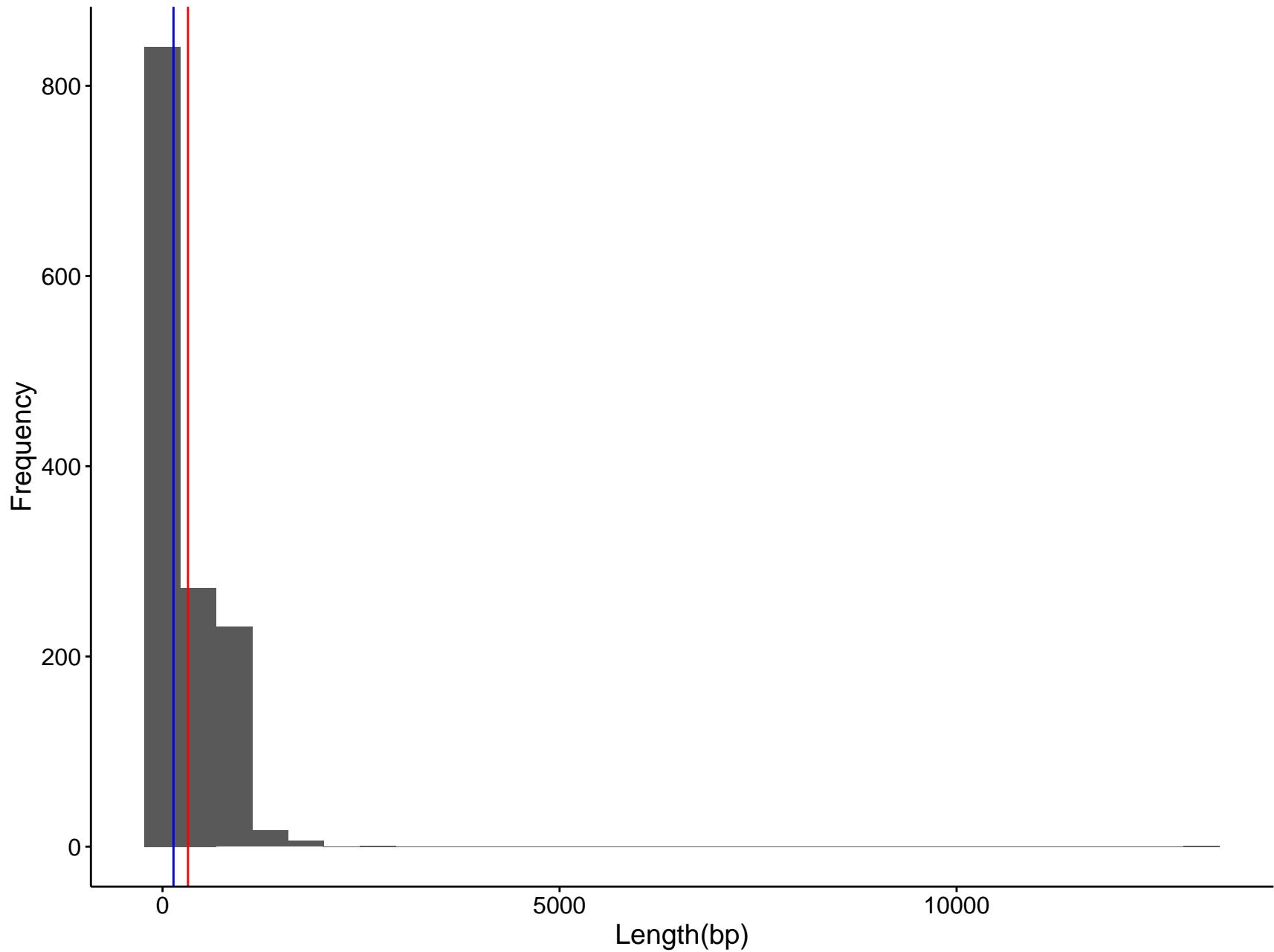
Cluster1445



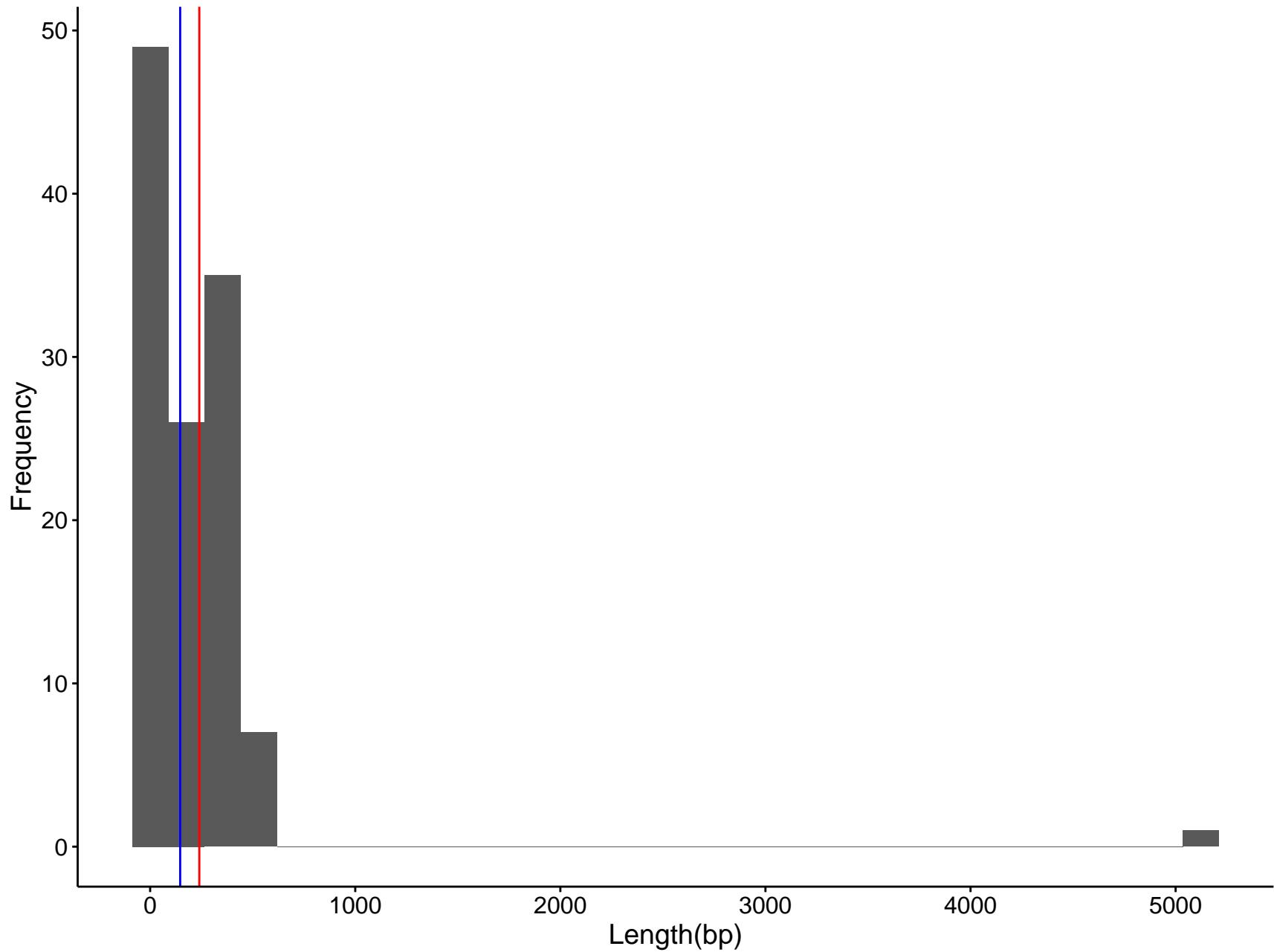
Cluster1446



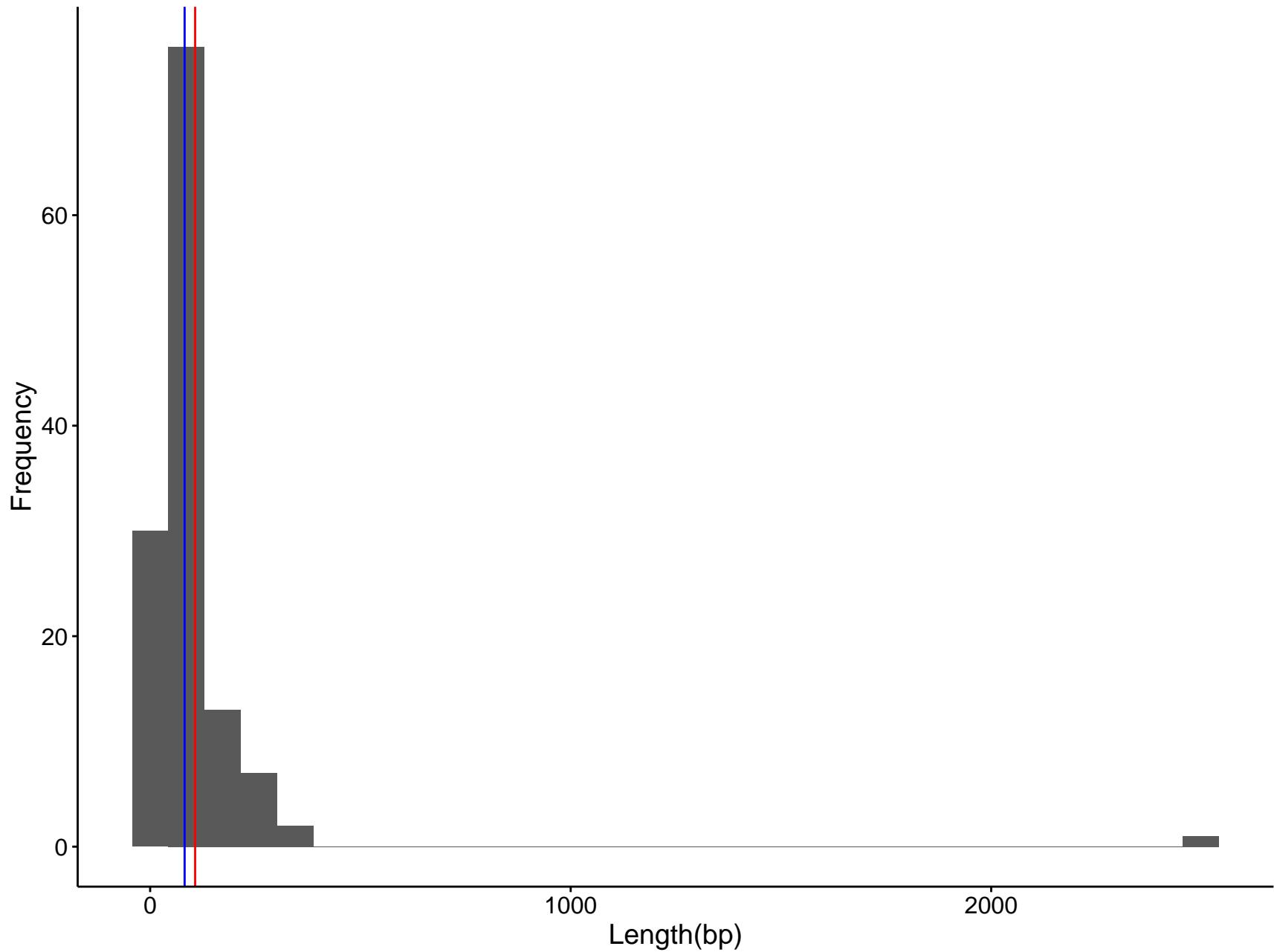
Cluster1447



Cluster1448



Cluster1449



# Cluster144

Frequency

117.950

117.975

118.000

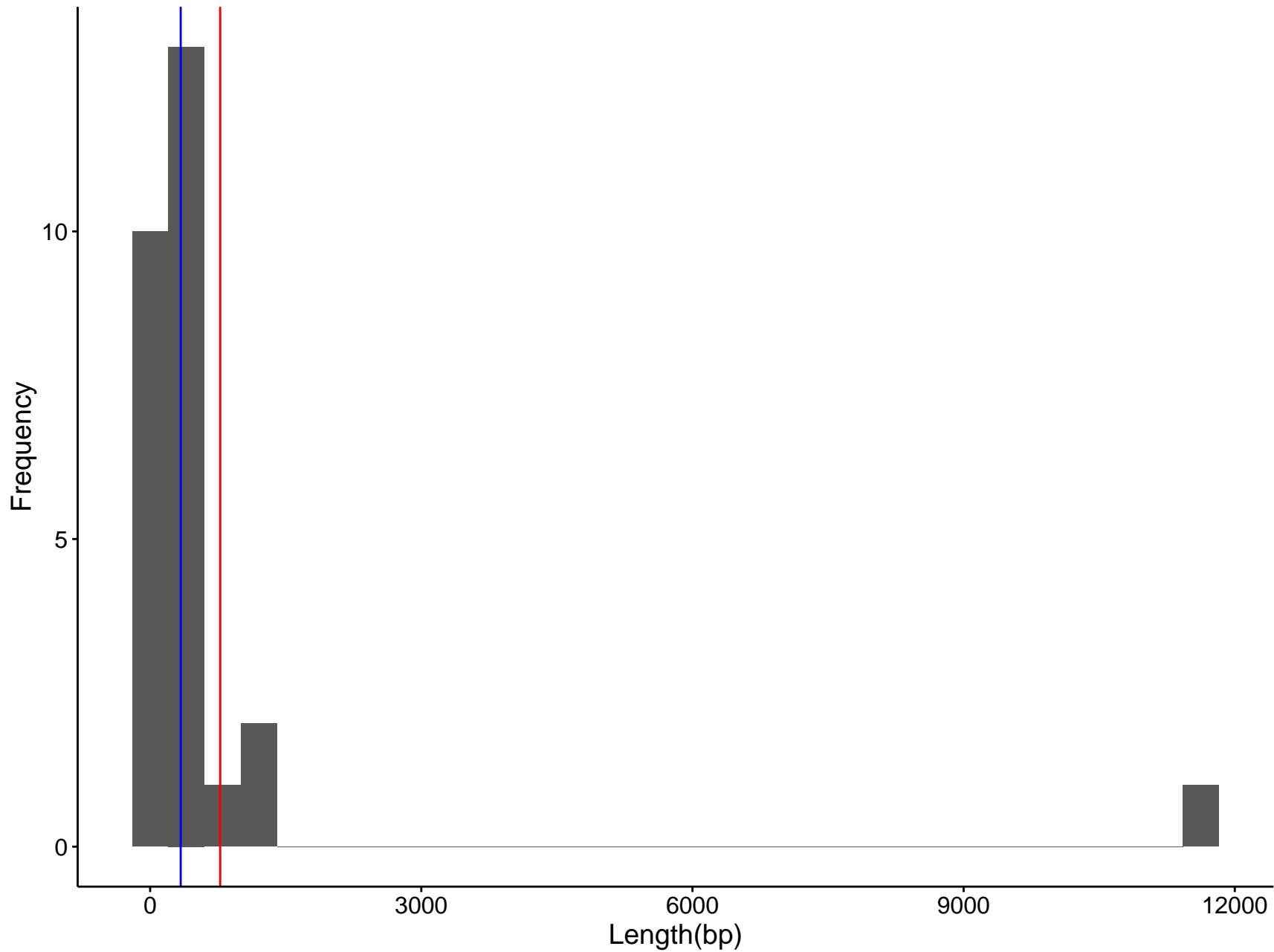
118.025

118.050

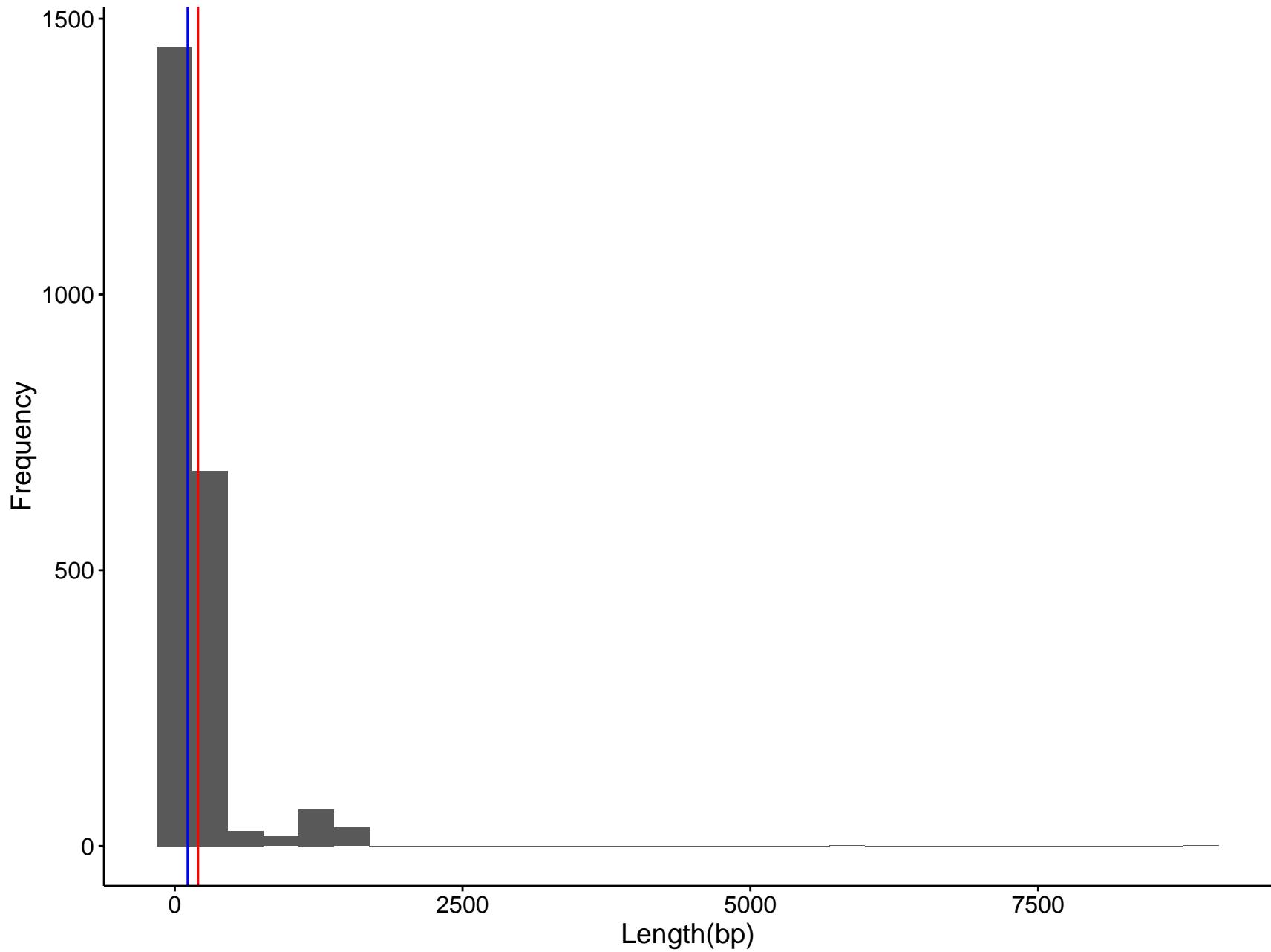
Length(bp)



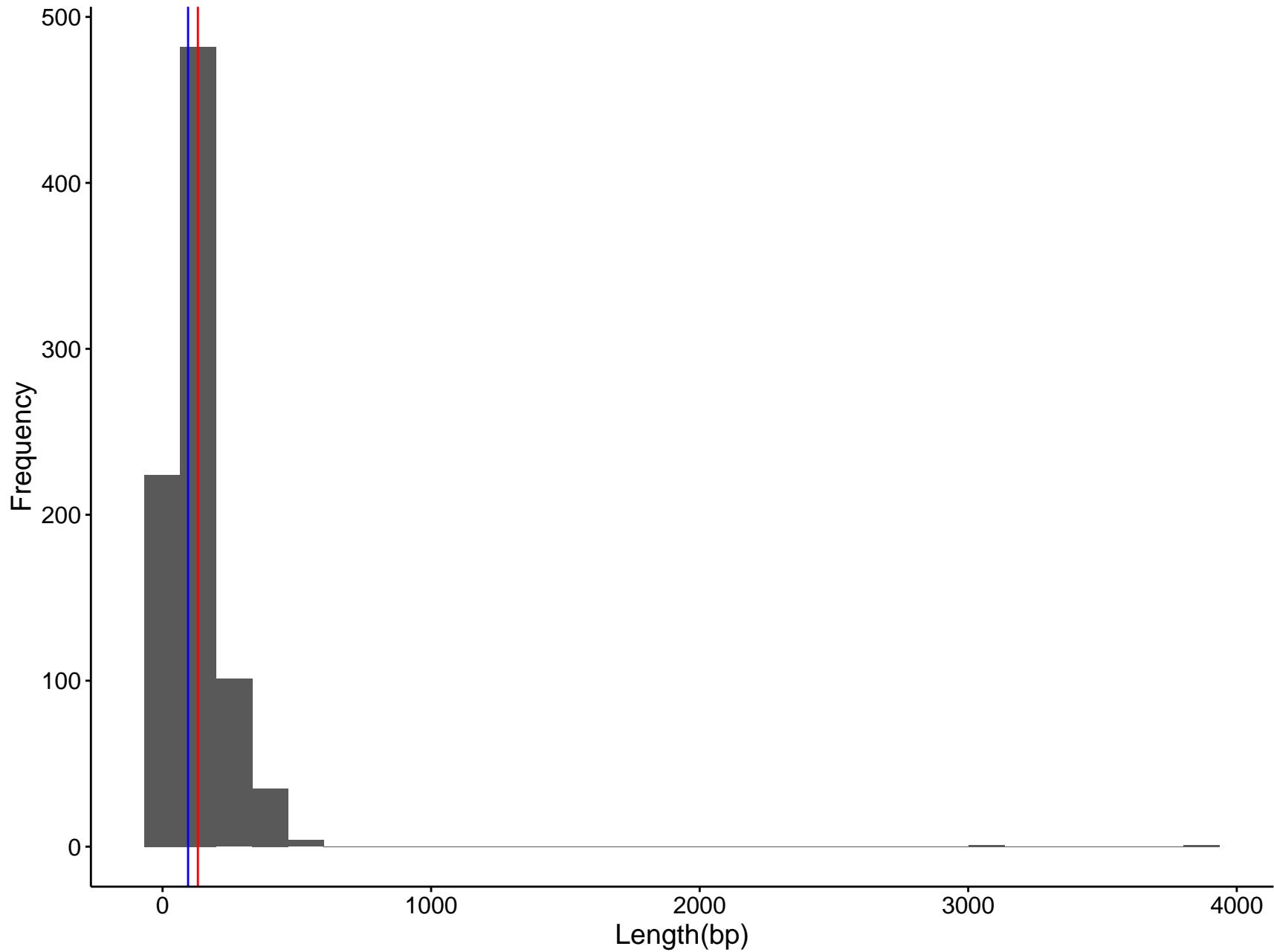
Cluster1450



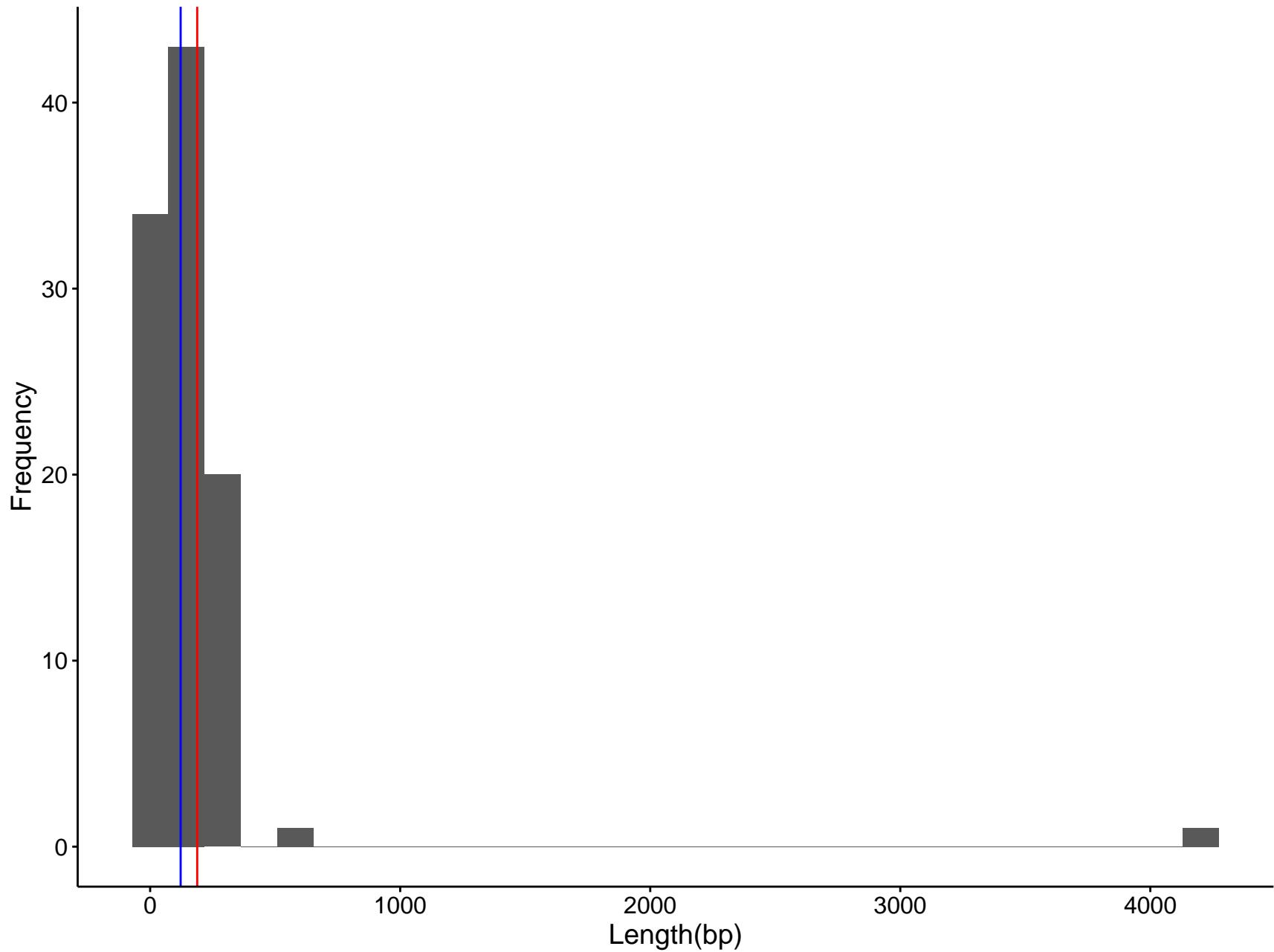
Cluster1451



Cluster1452



Cluster1453



Cluster1454

Frequency

2983.950

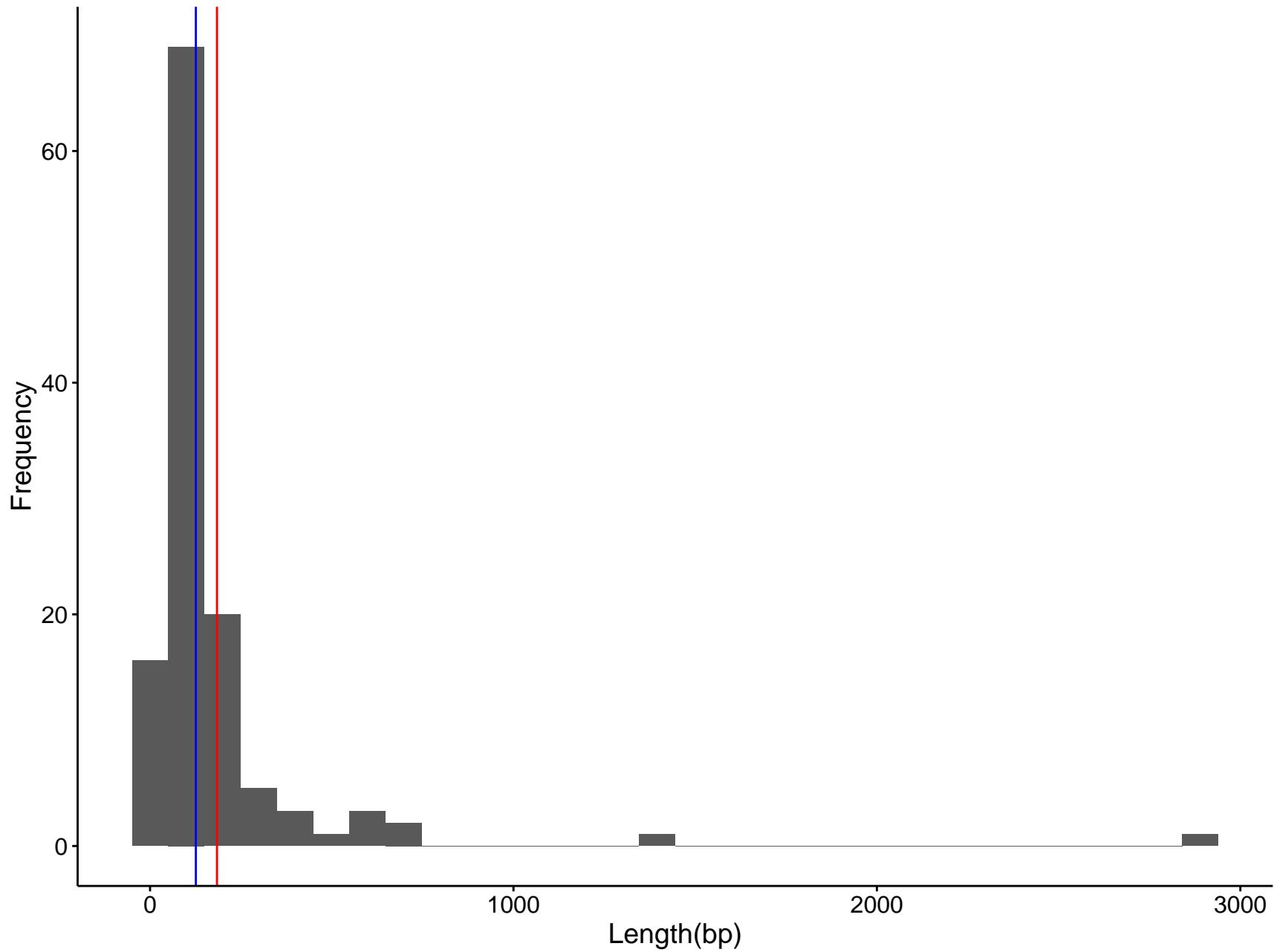
2983.975

2984.000  
Length(bp)

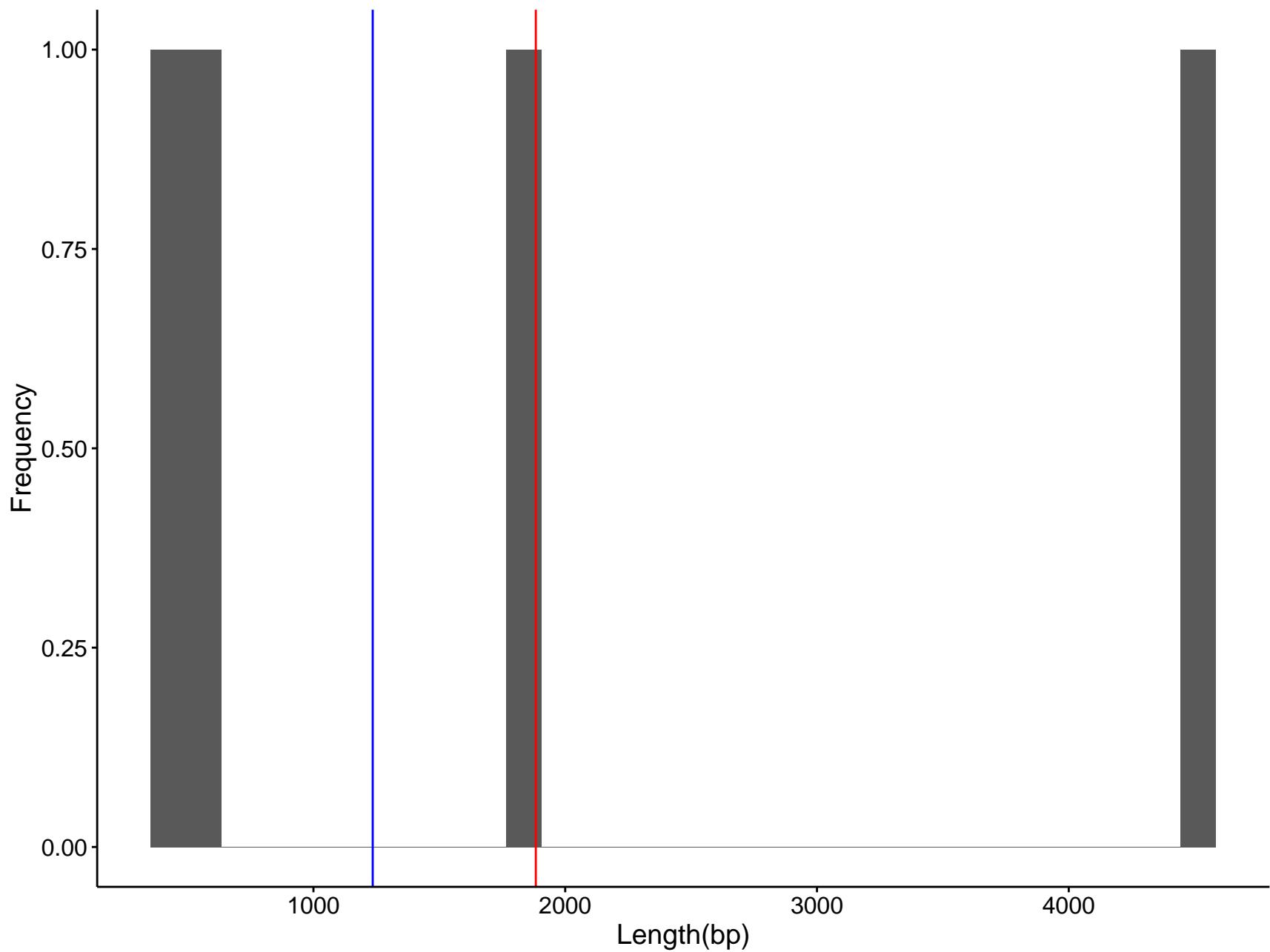
2984.025

2984.

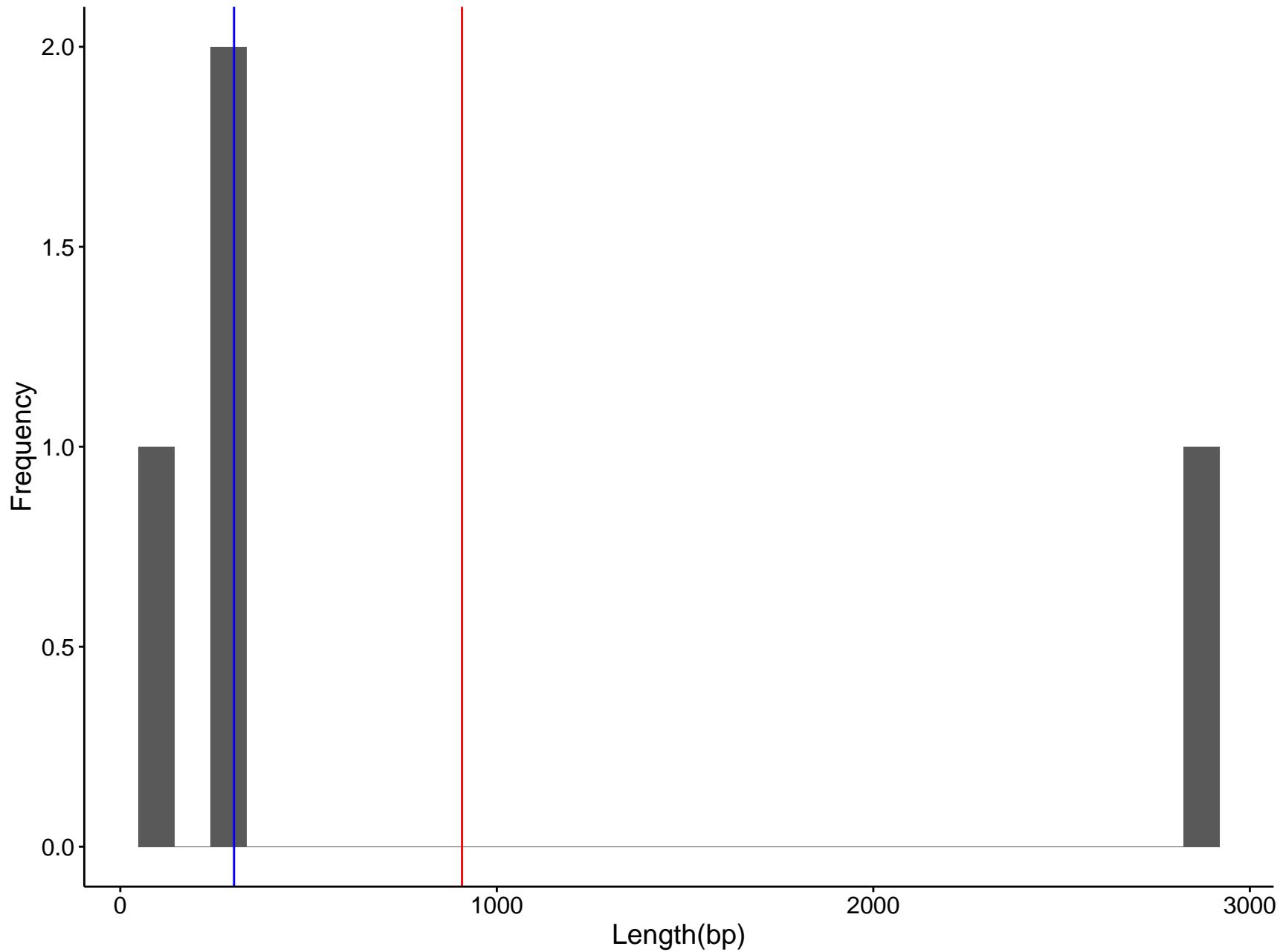
Cluster1455



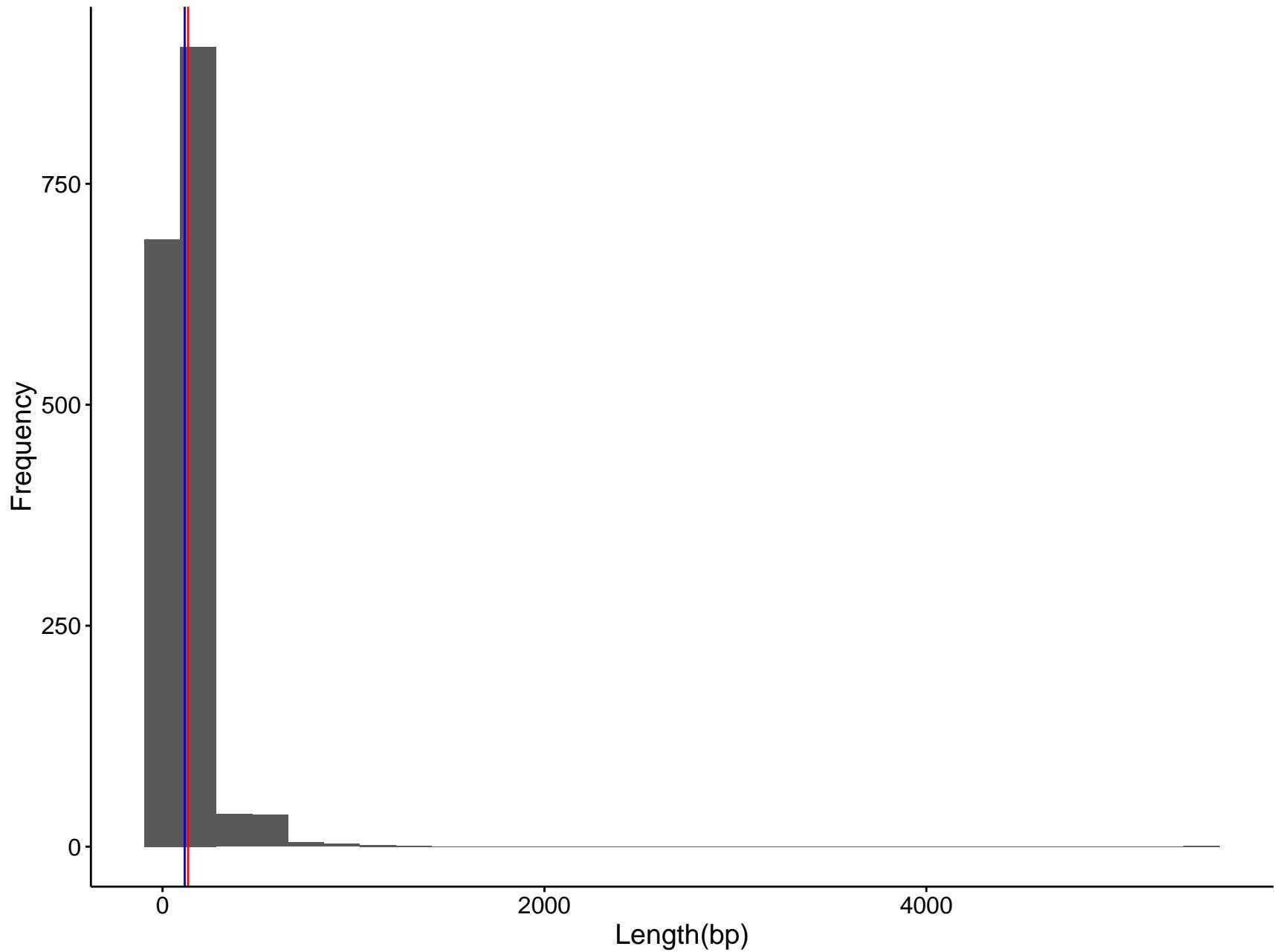
Cluster1456



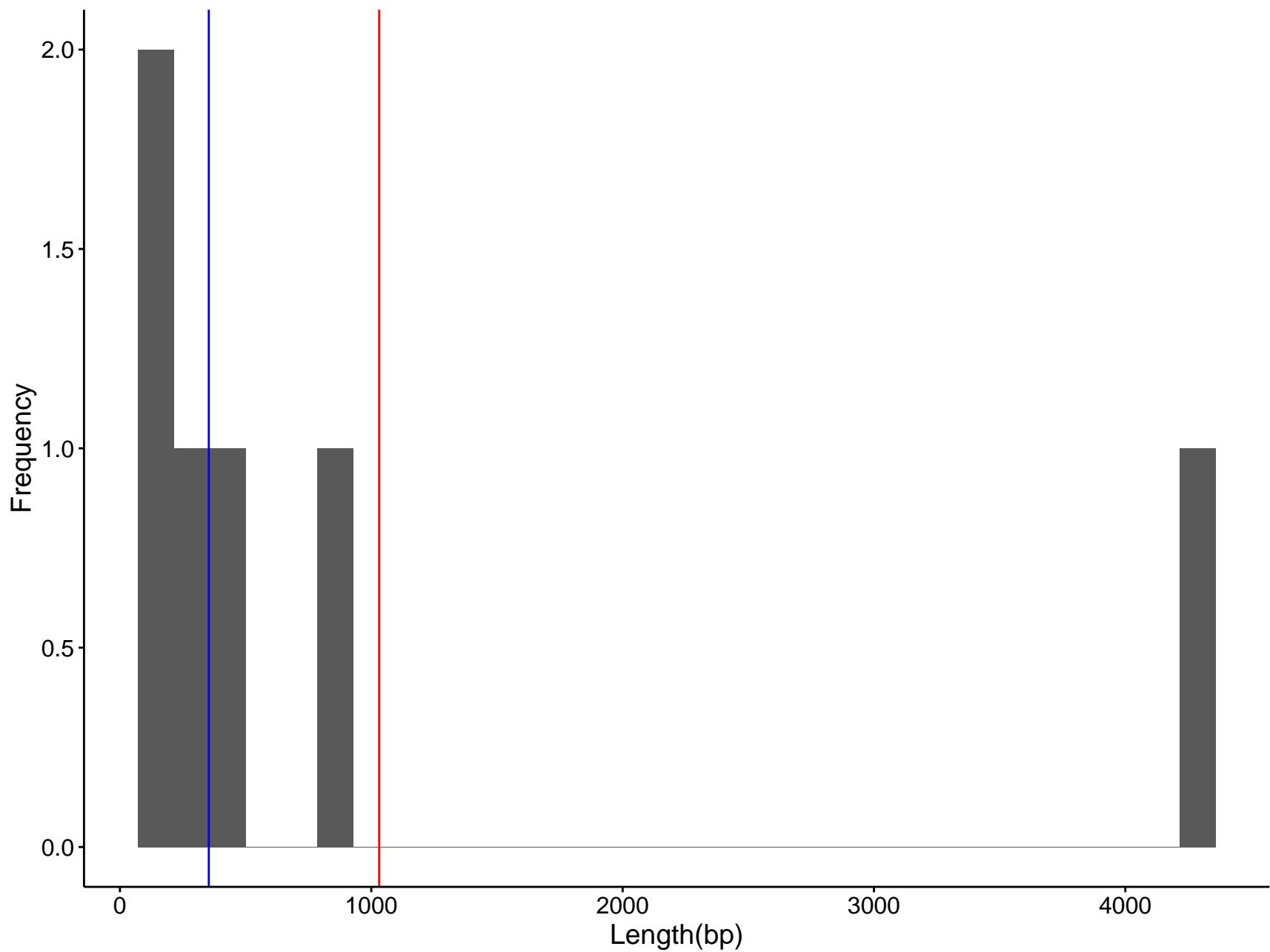
Cluster1457



Cluster1458



Cluster1459



# Cluster145

Frequency

71.950

71.975

72.000

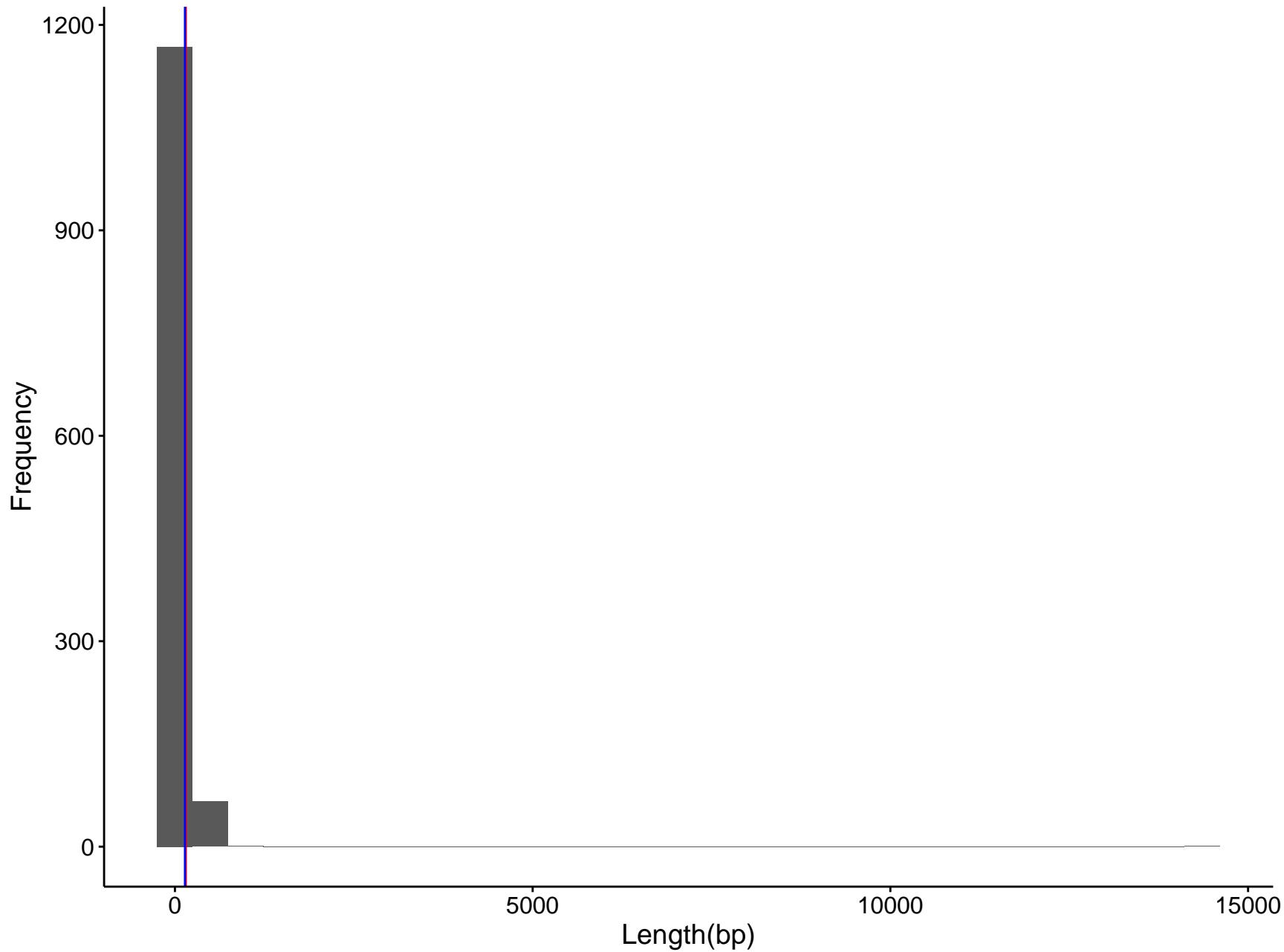
72.025

72.0

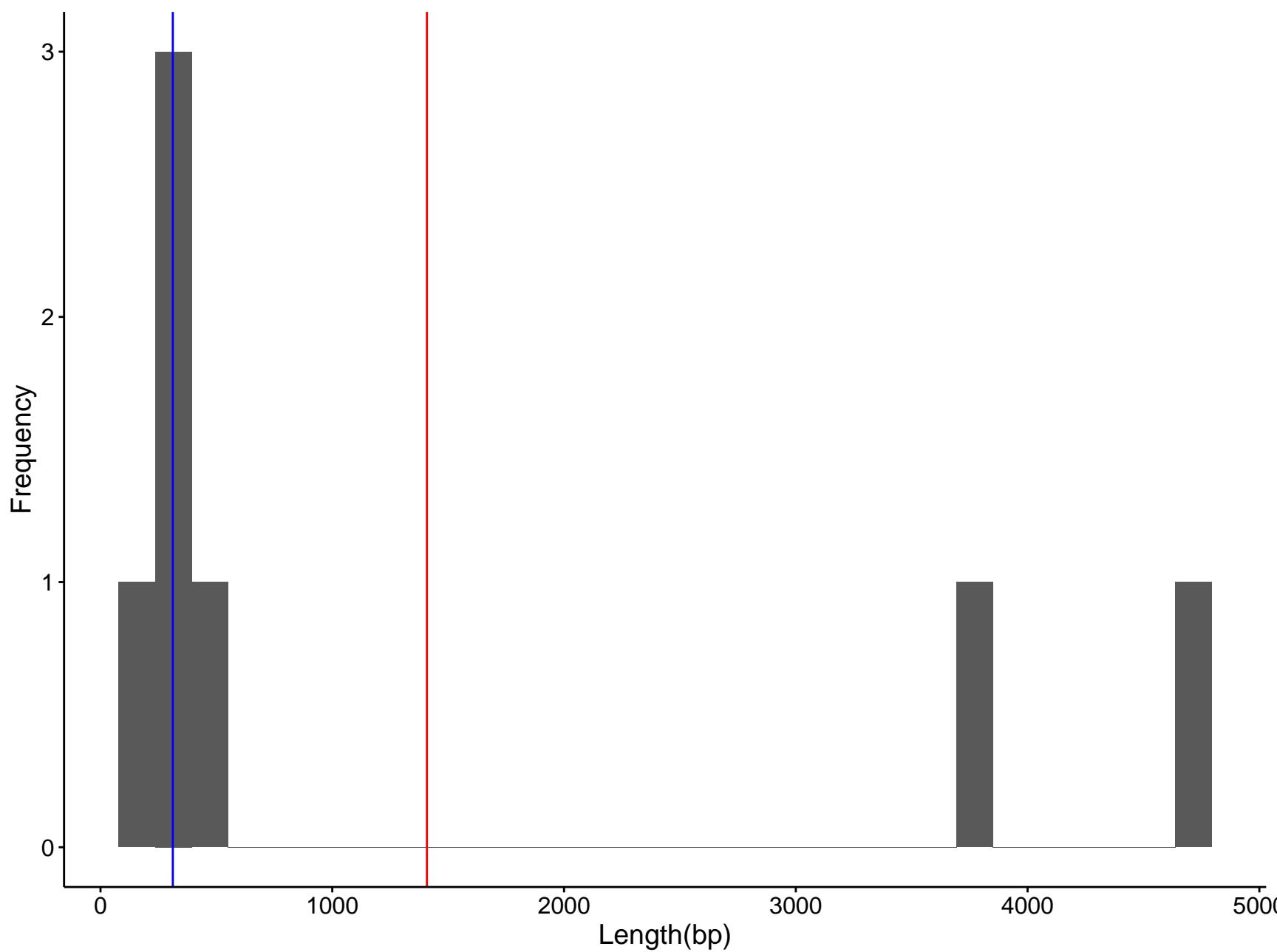
Length(bp)



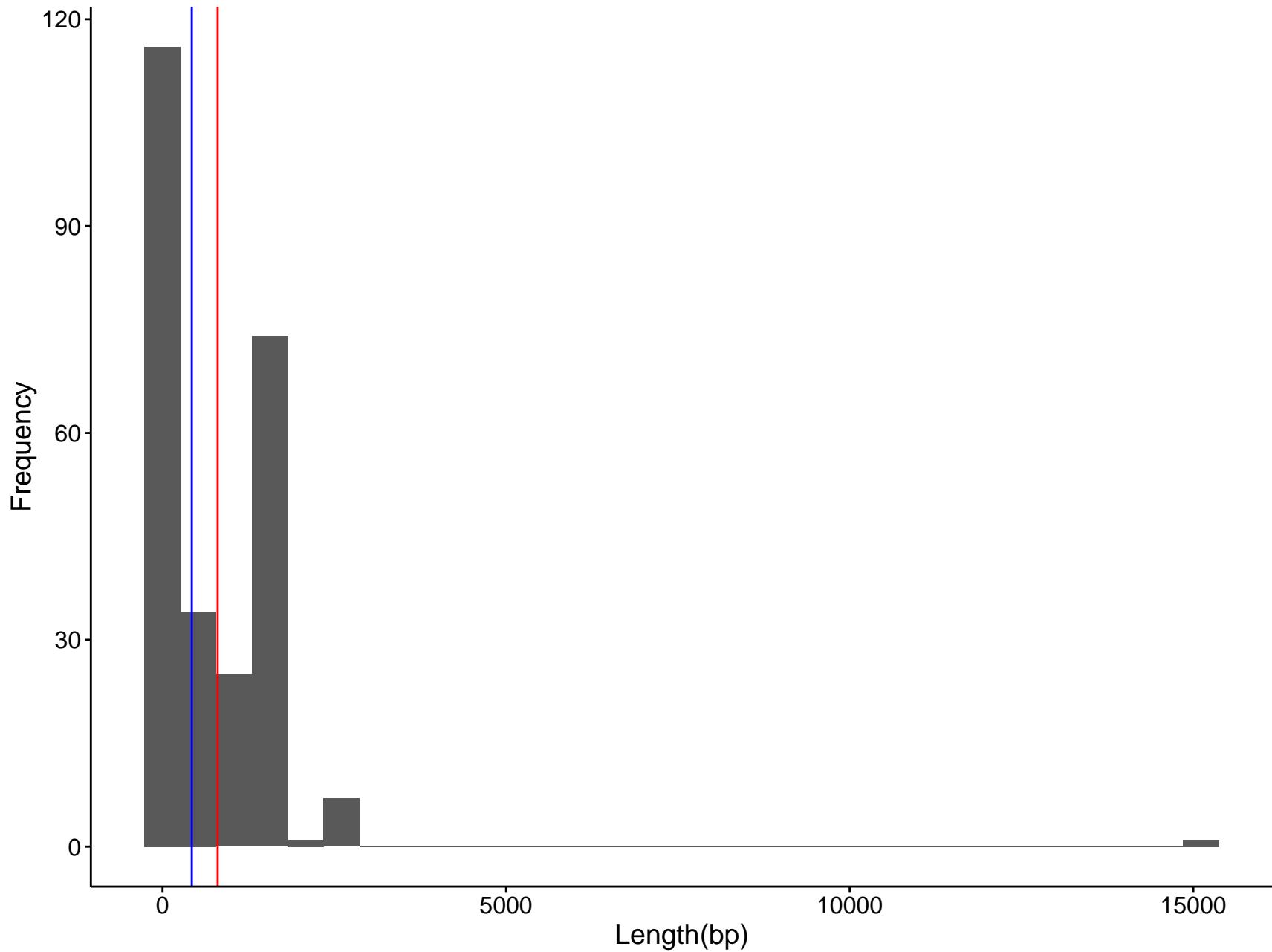
Cluster1460



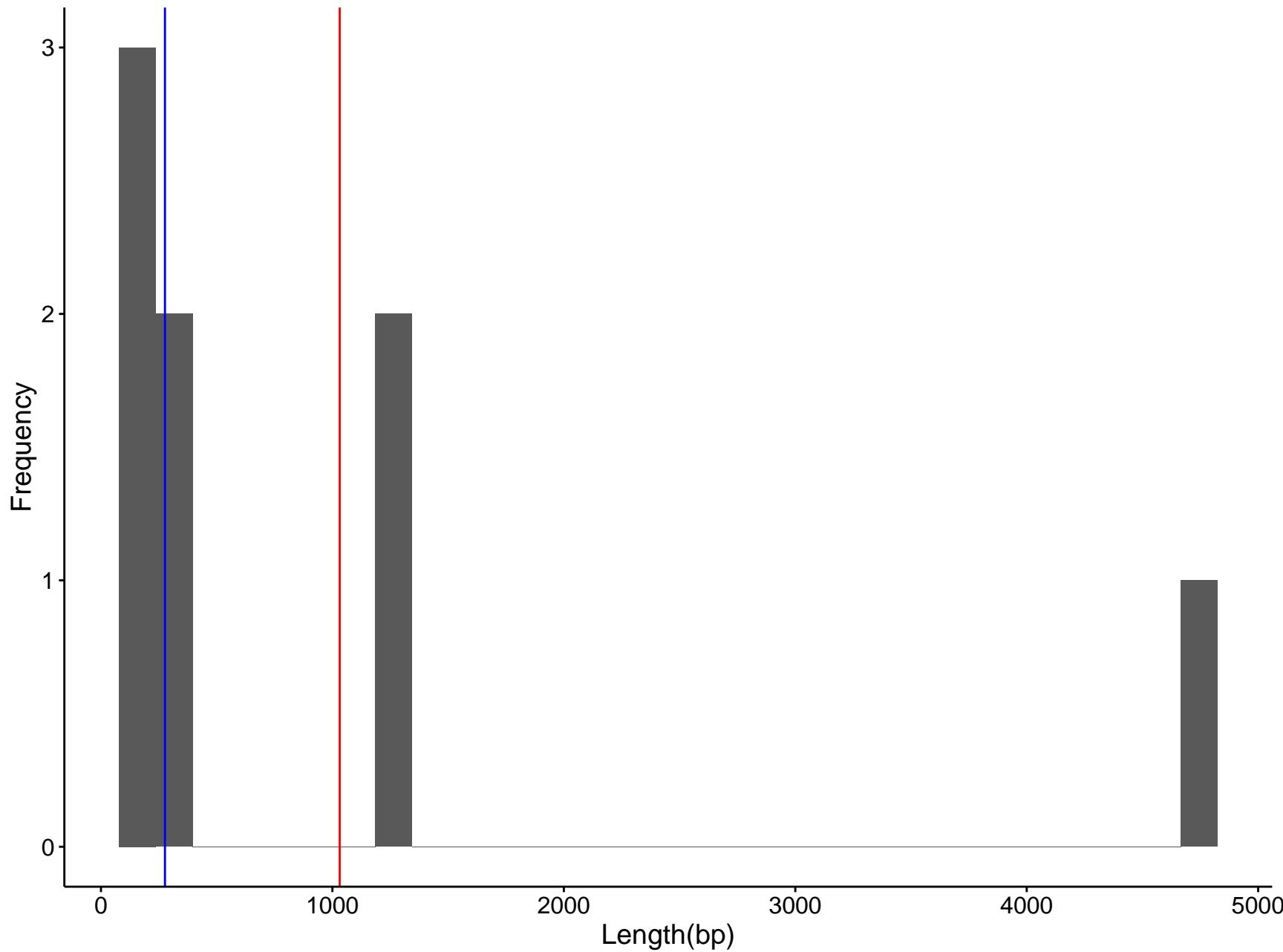
Cluster1461



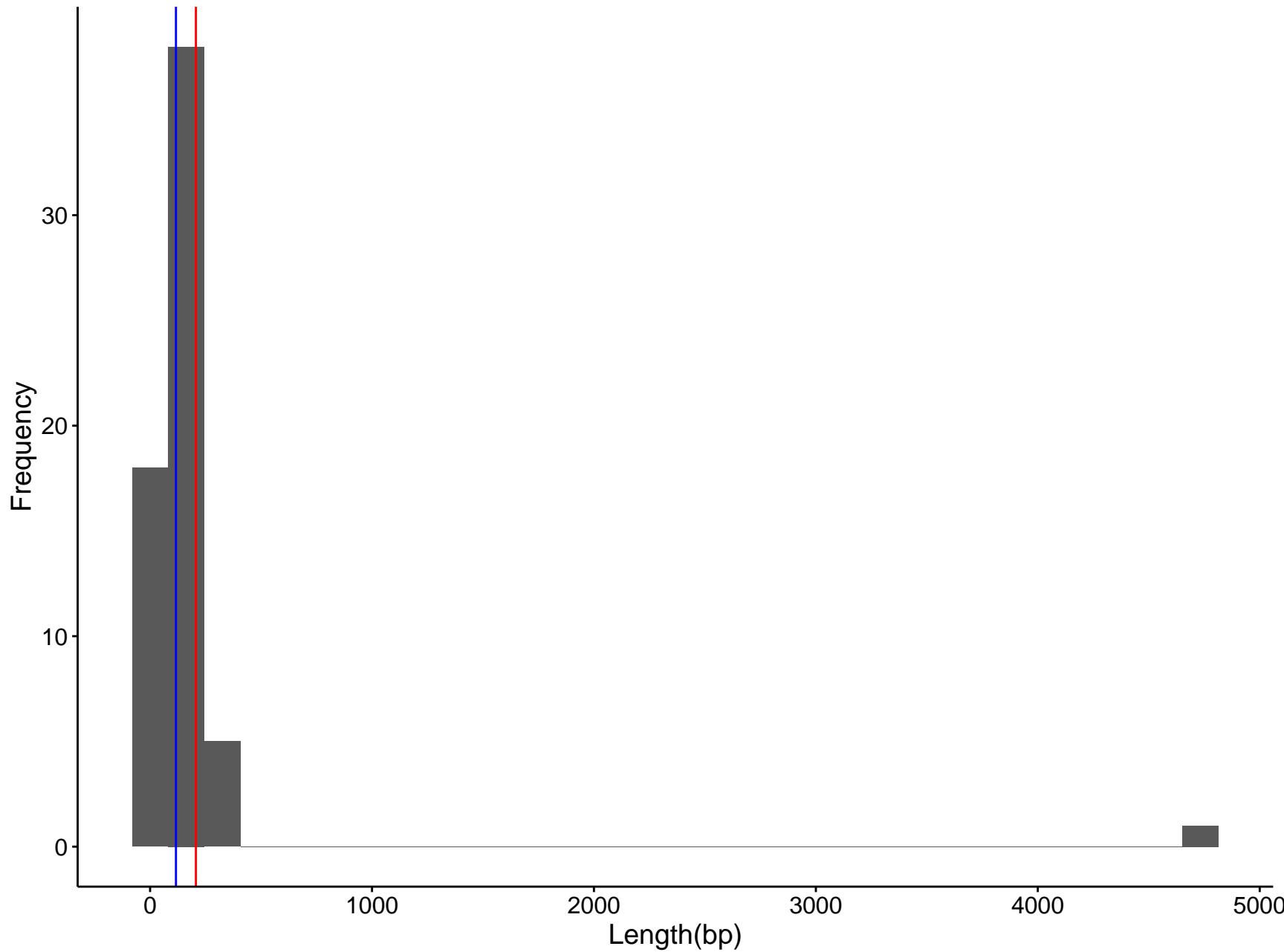
Cluster1462



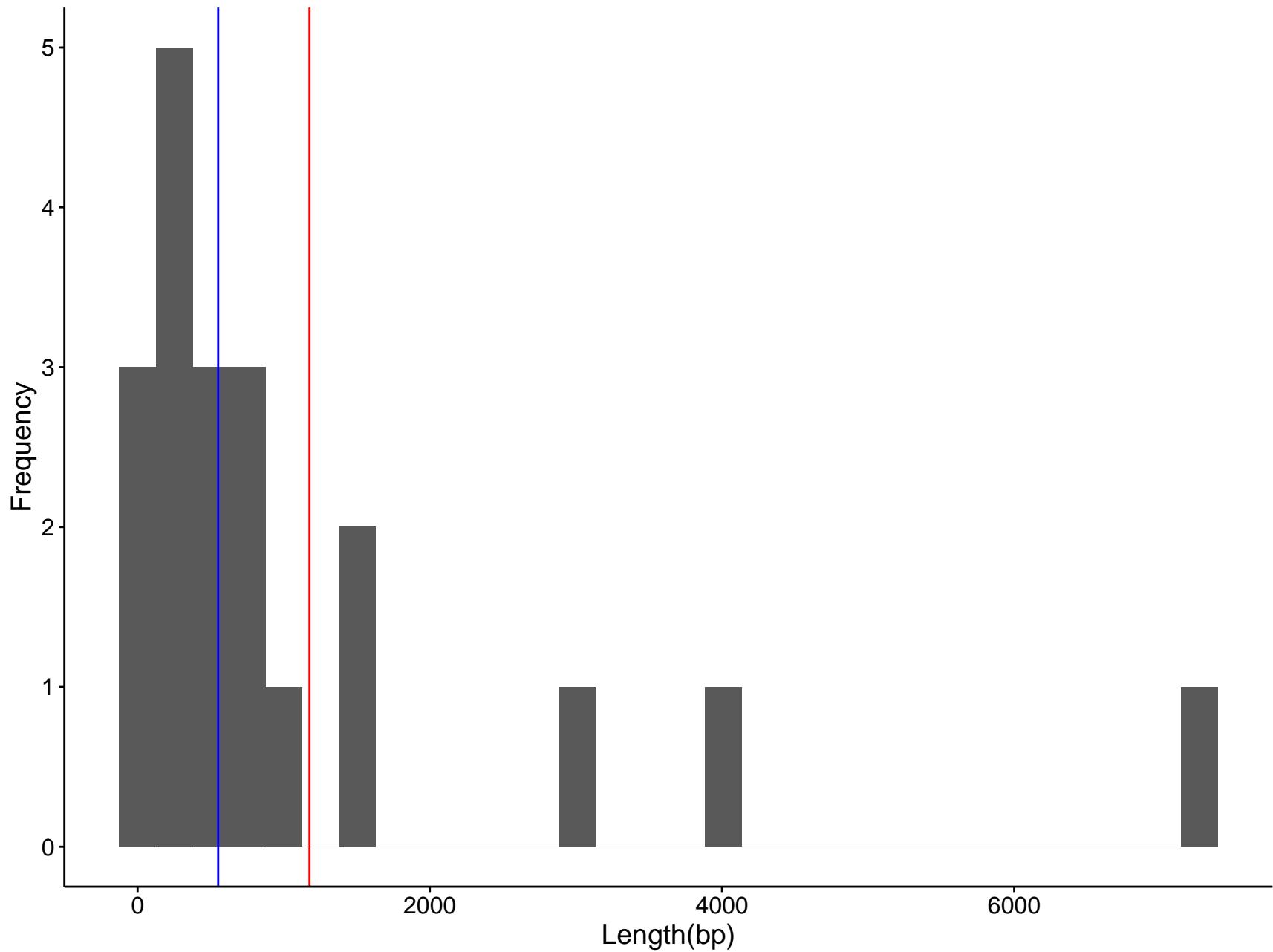
Cluster1463



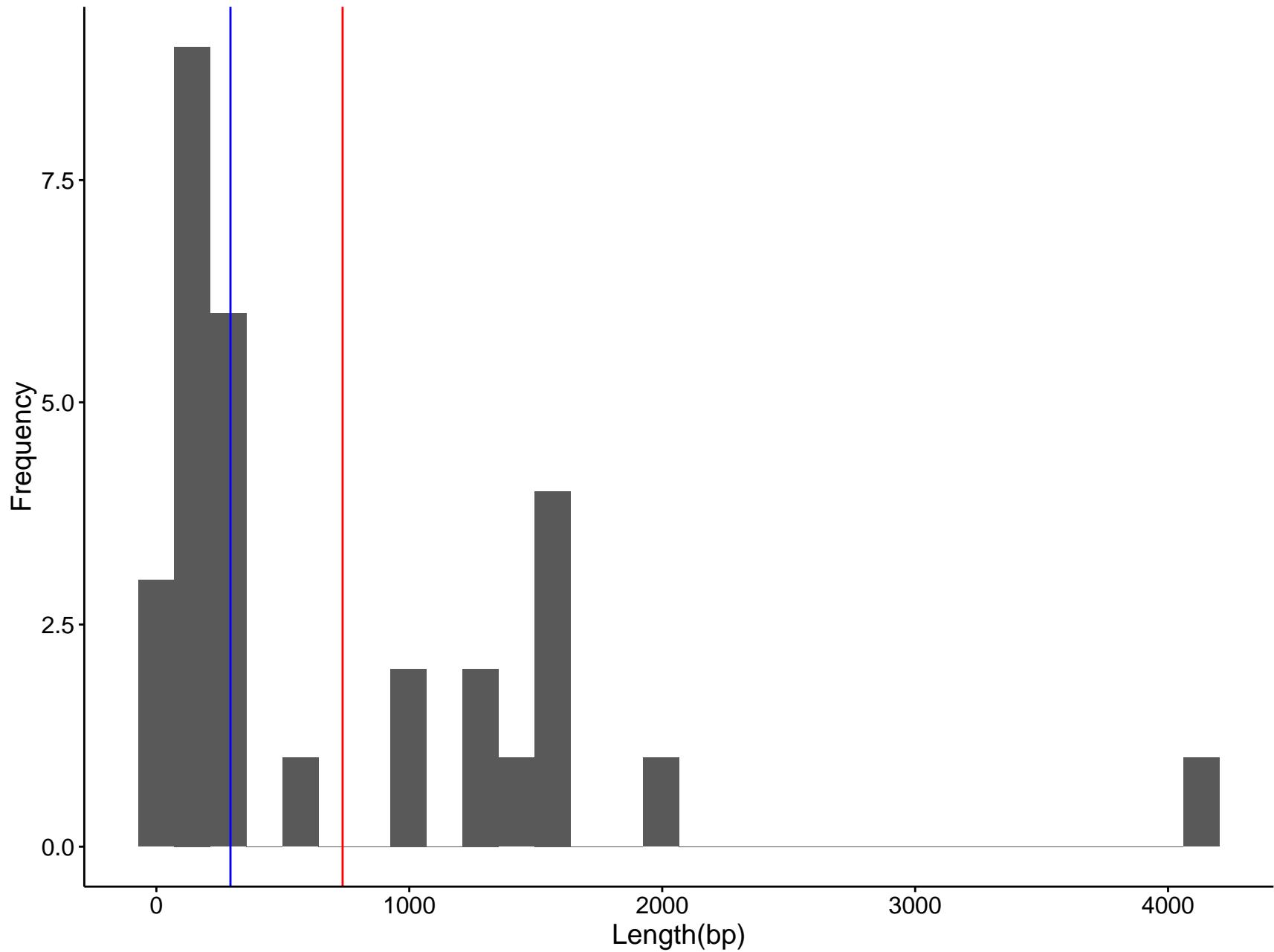
Cluster1464



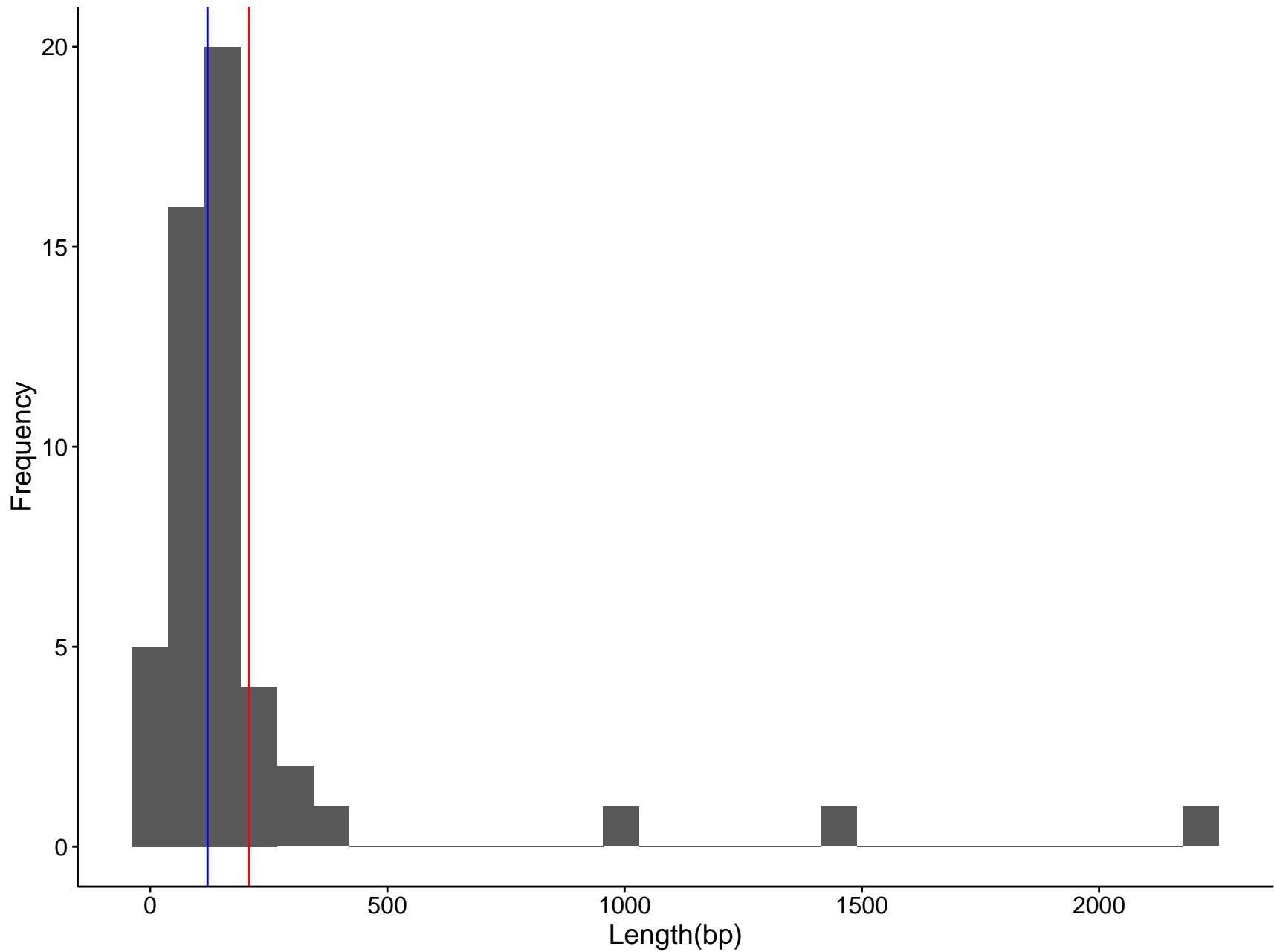
Cluster1465



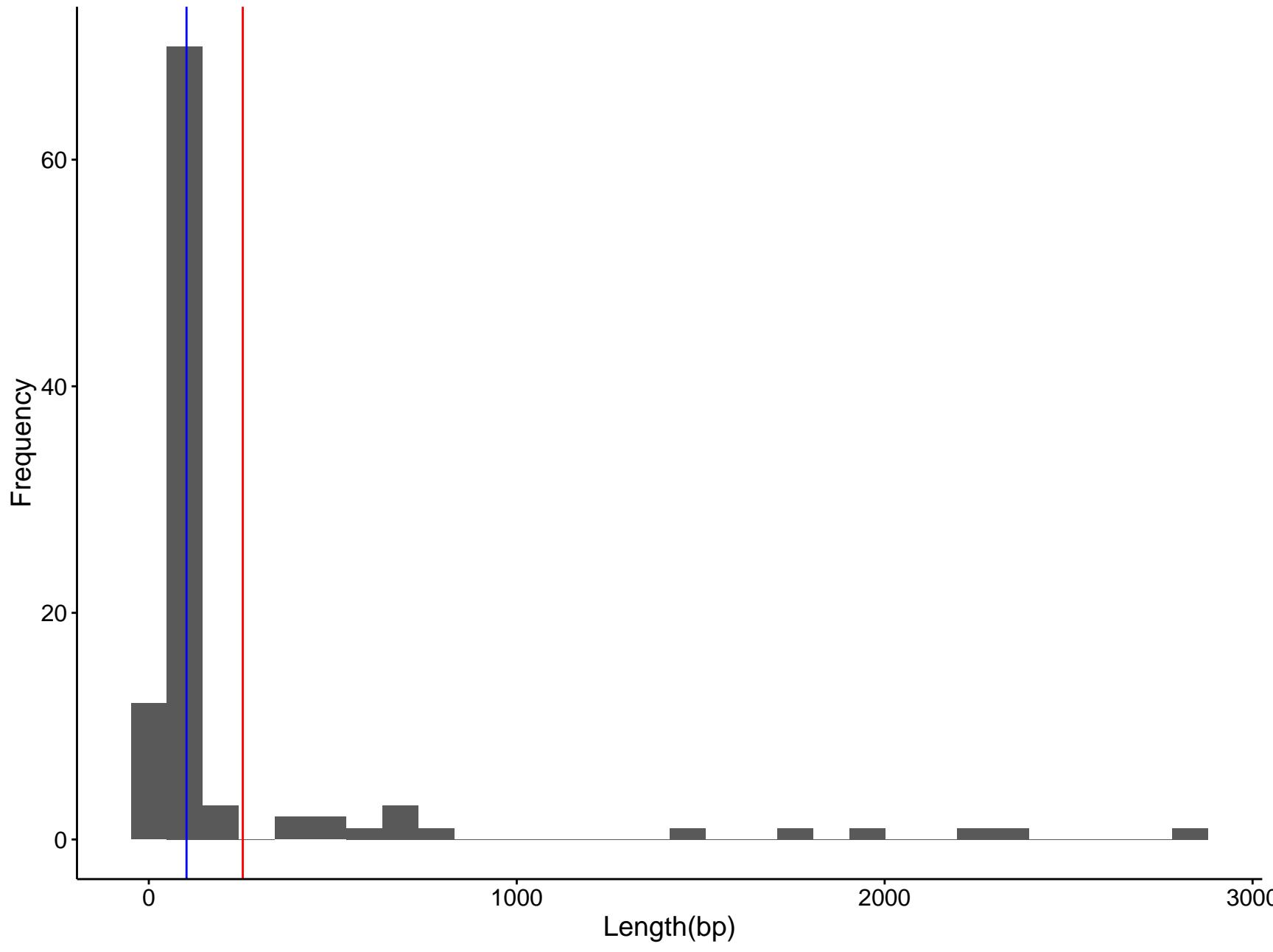
Cluster1466



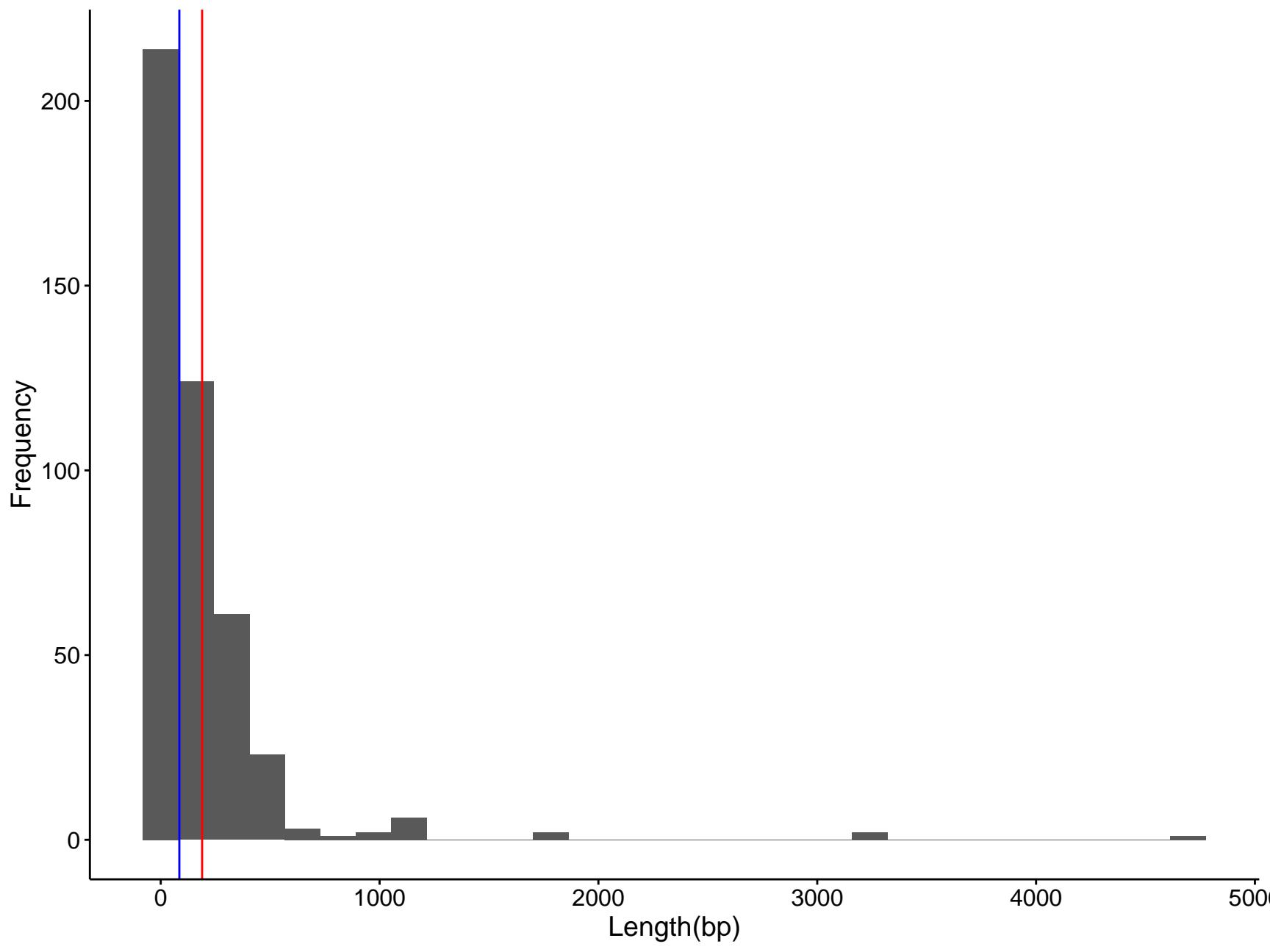
Cluster1467



Cluster1468



Cluster1469



Cluster146

Frequency

127.950

127.975

128.000

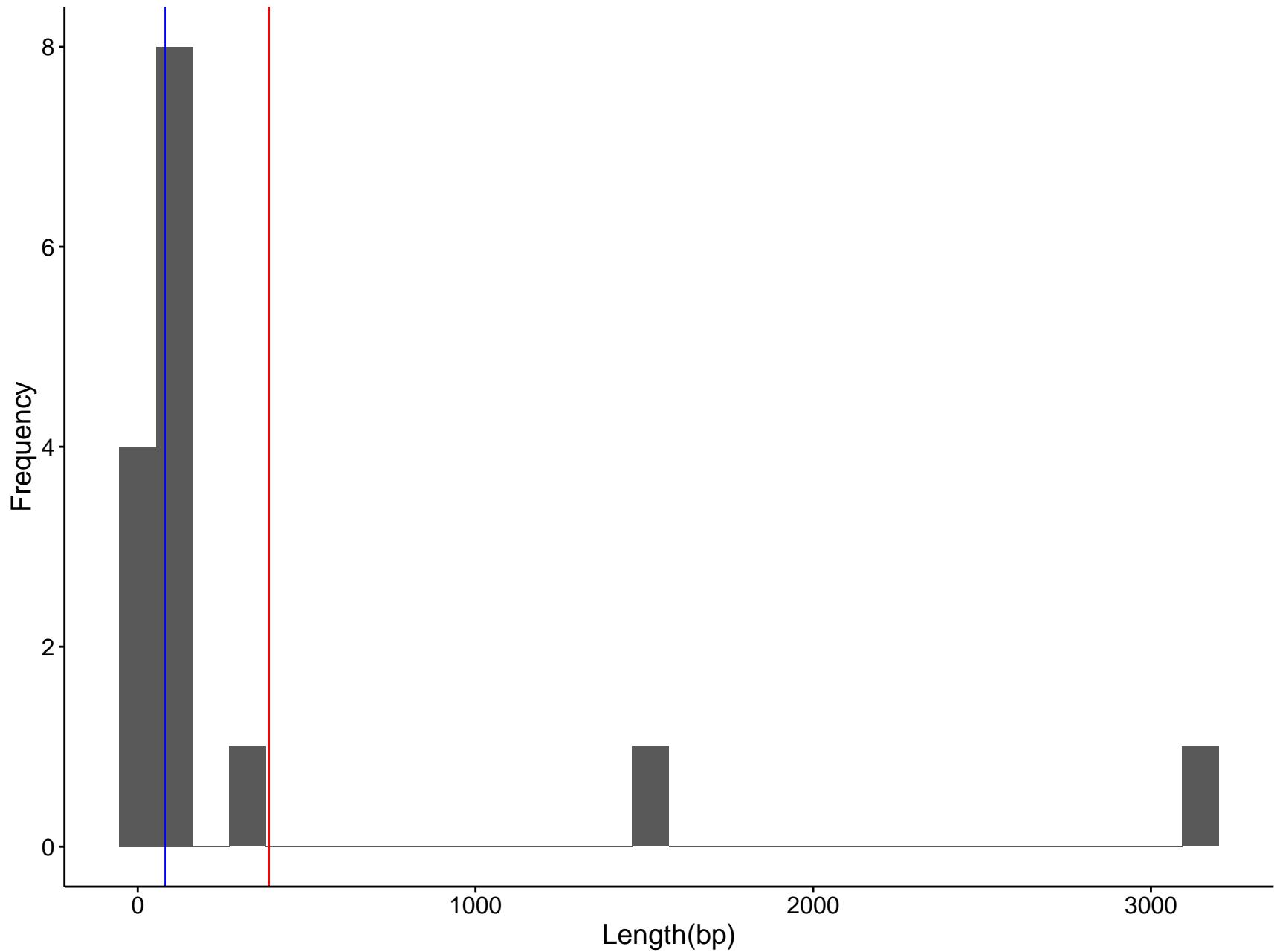
128.025

128.050

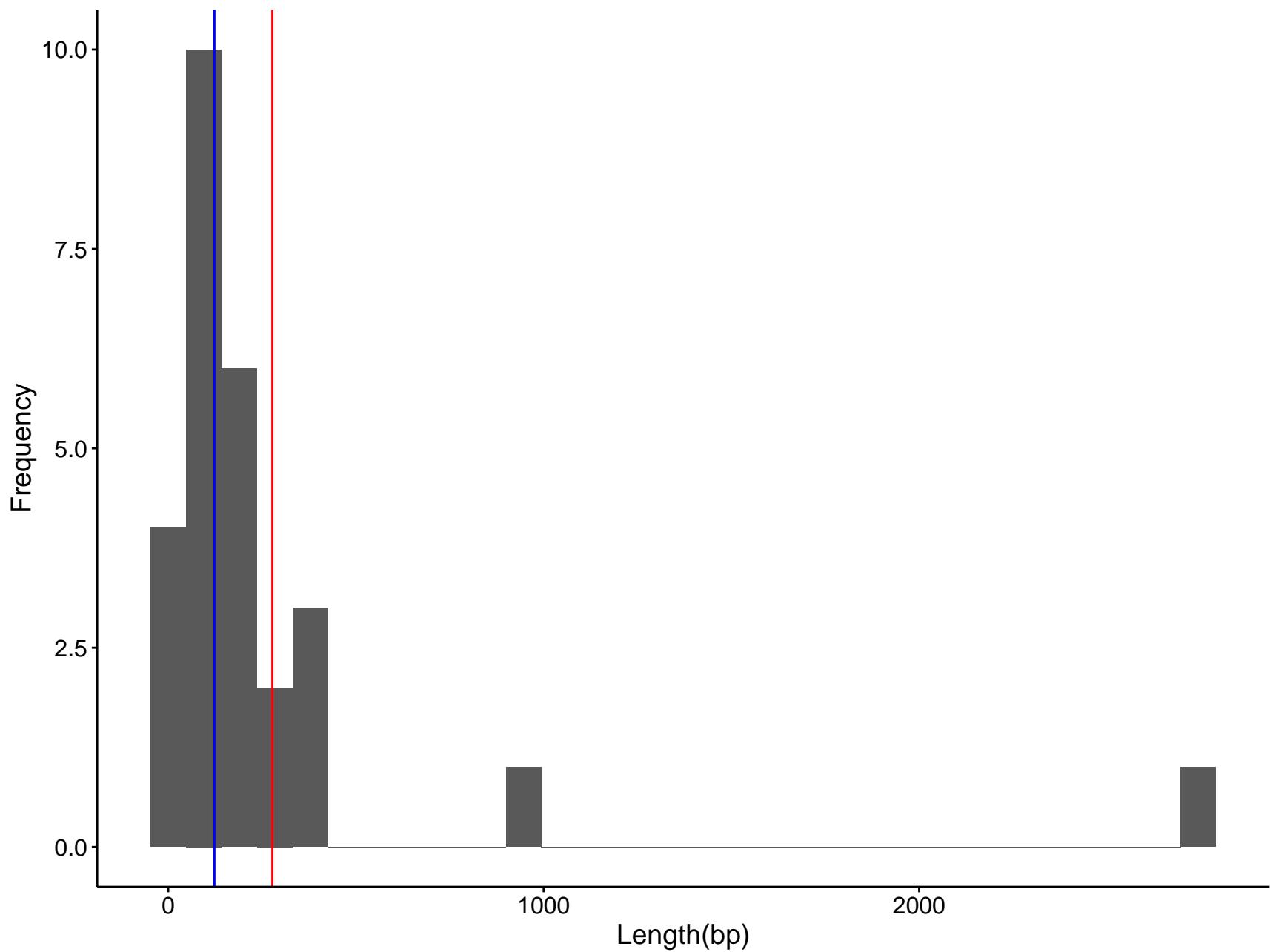
Length(bp)



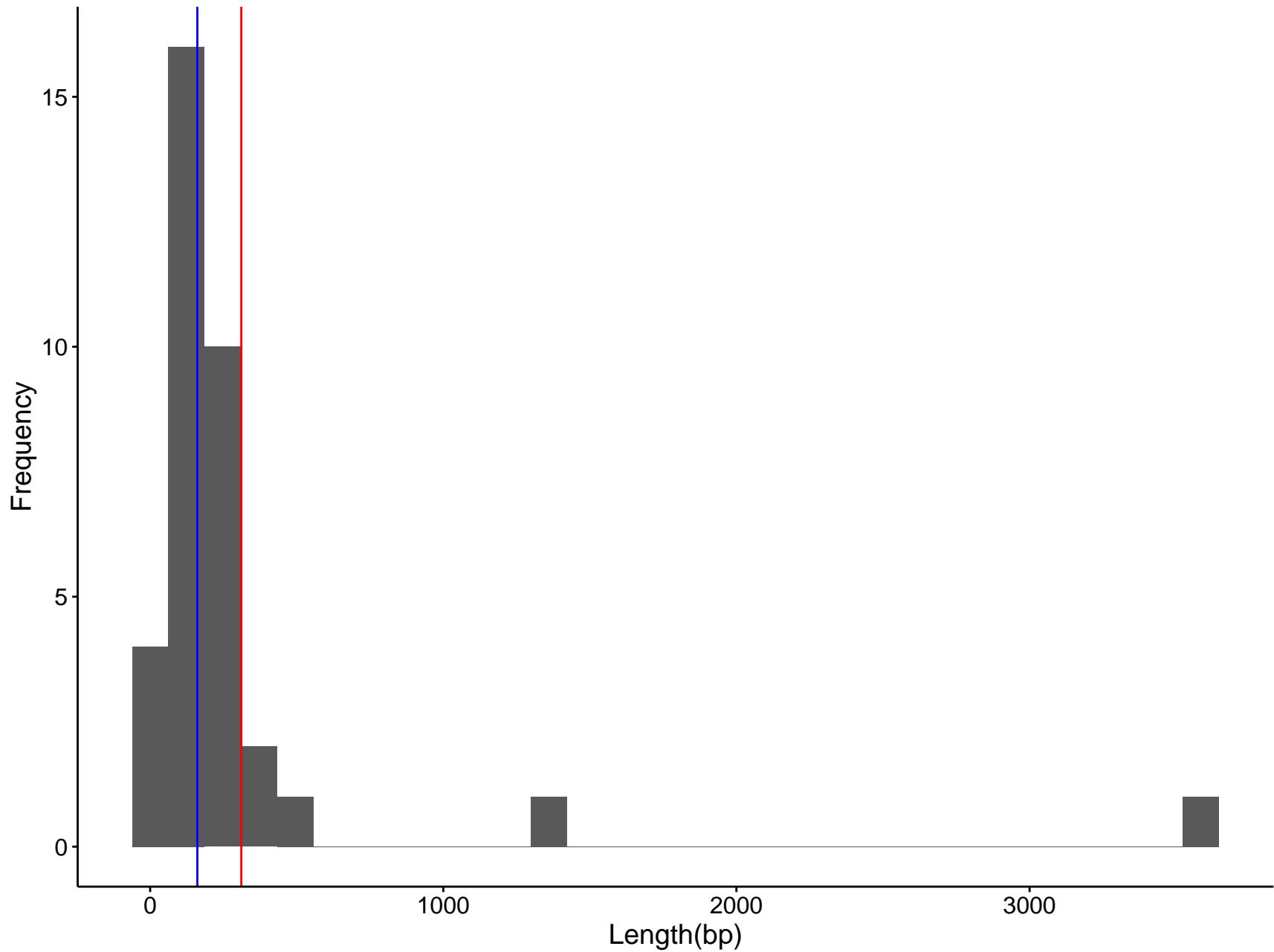
Cluster1471



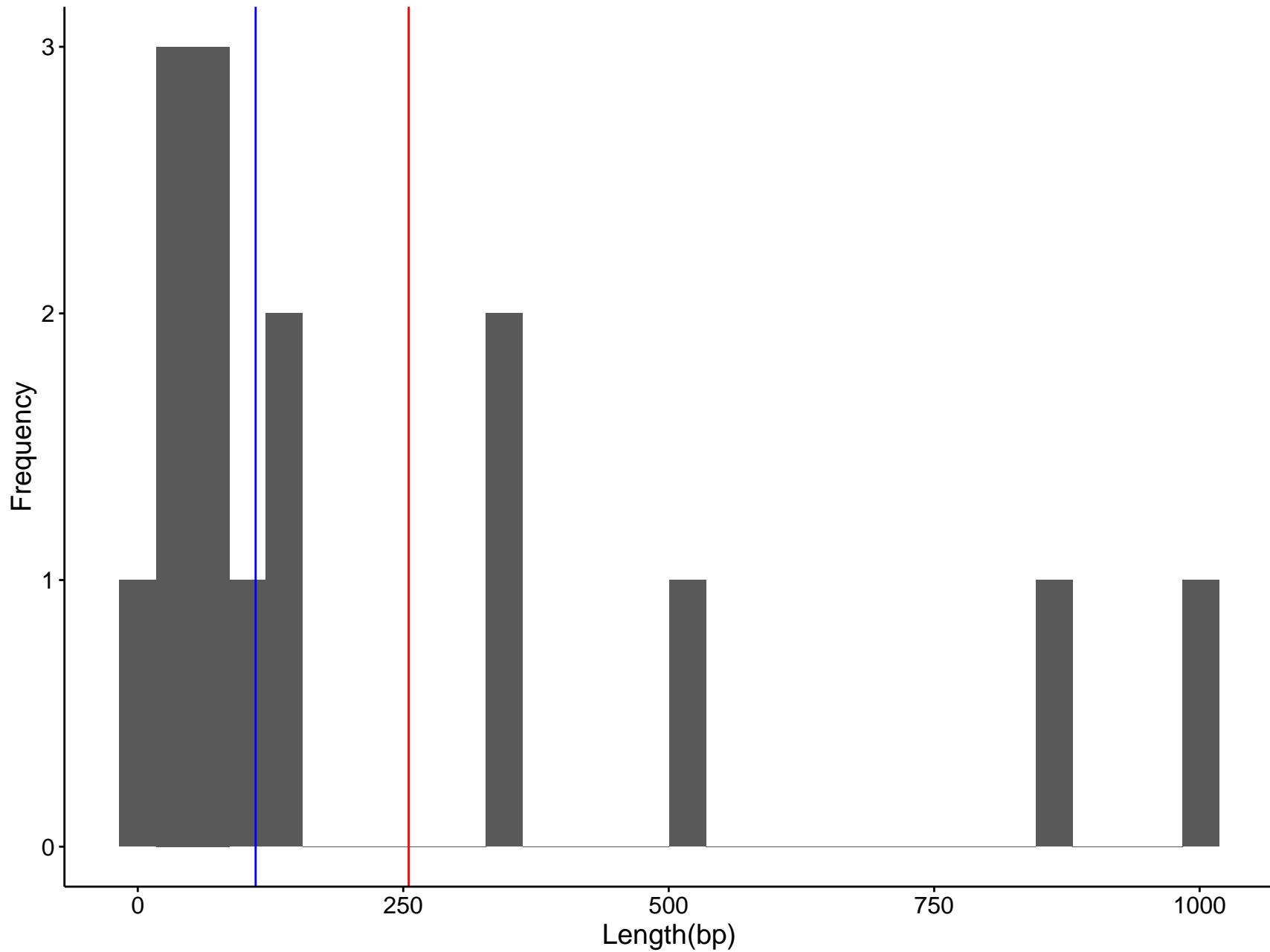
Cluster1473



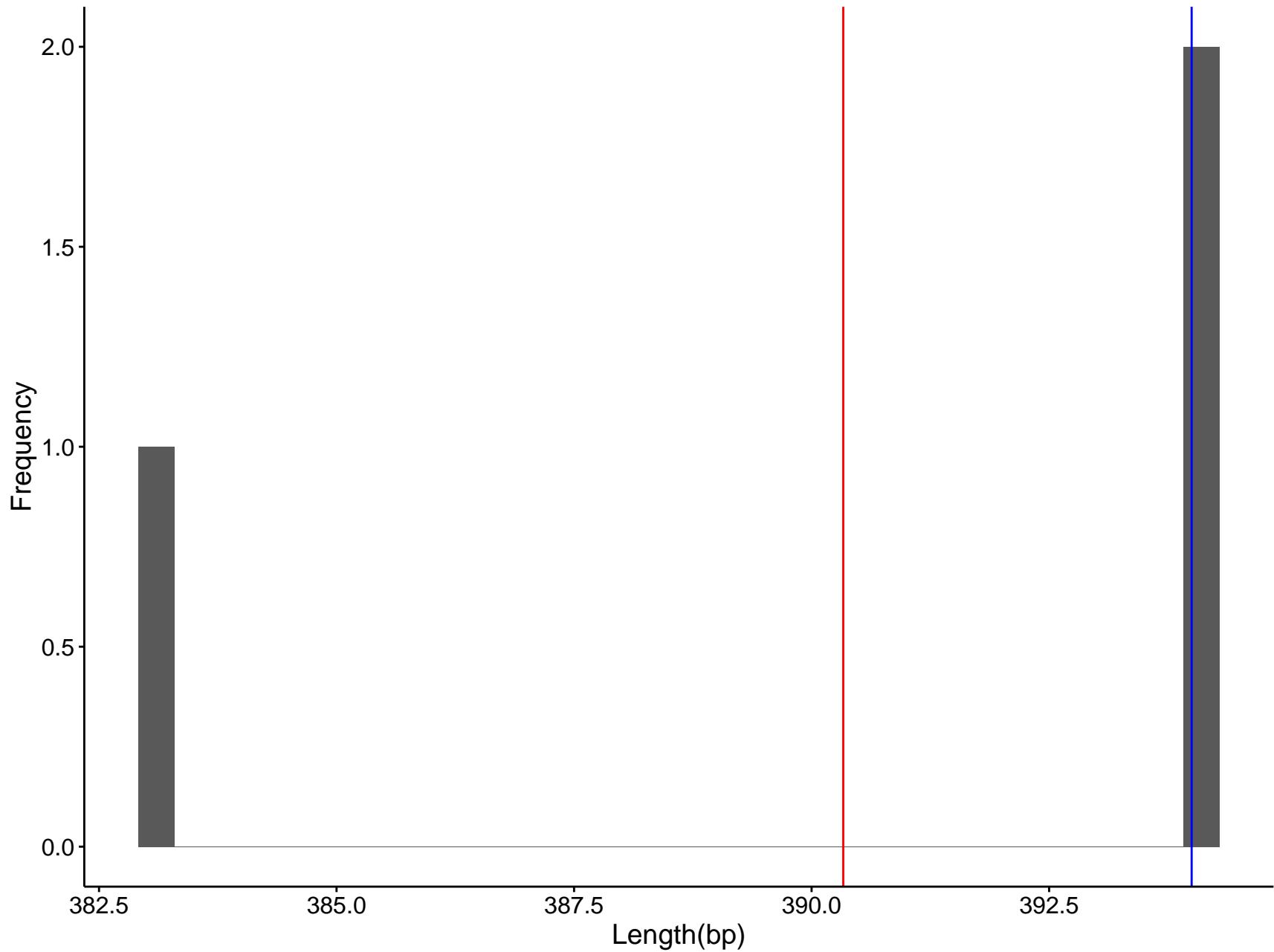
Cluster1474



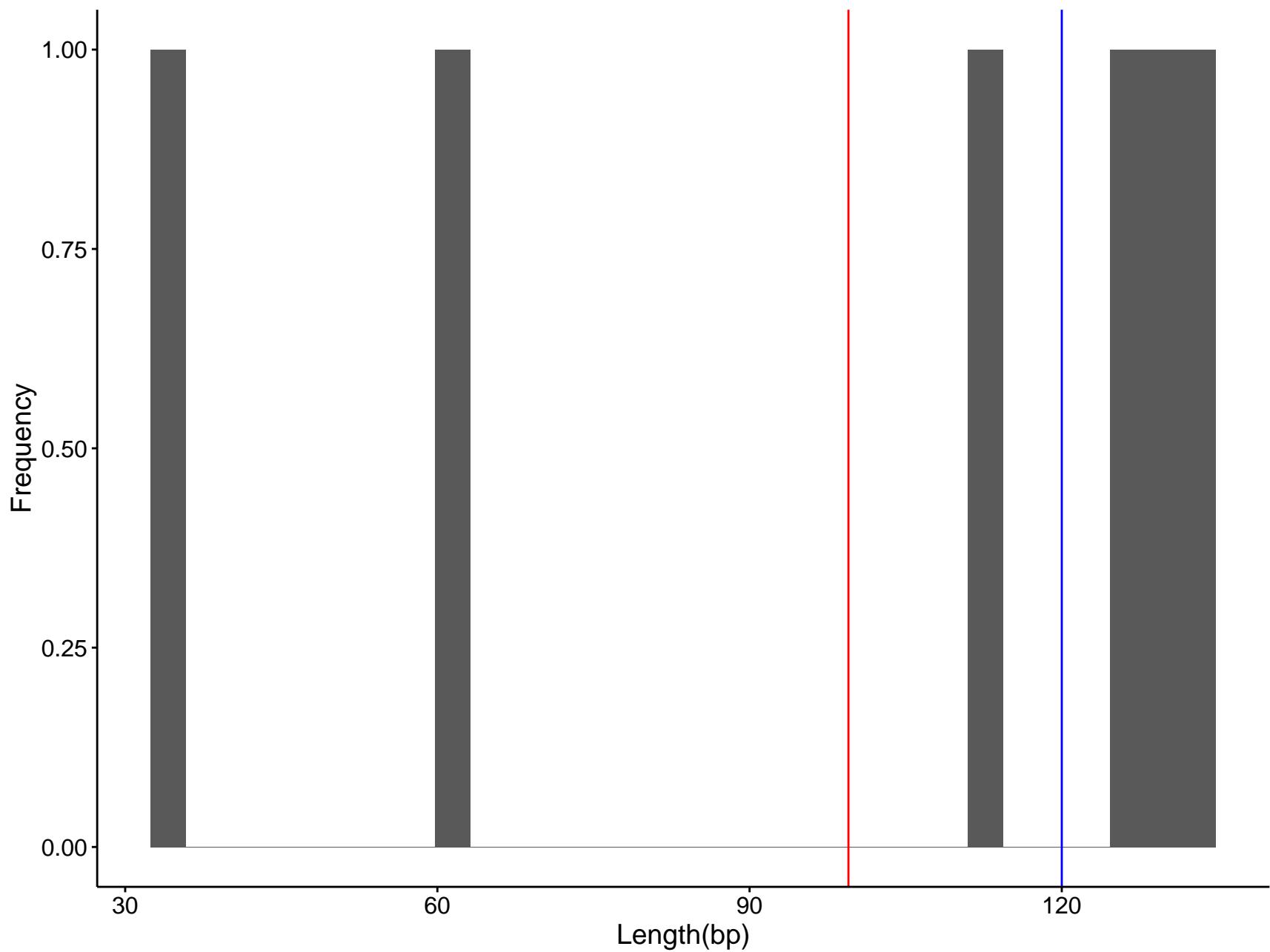
Cluster1475



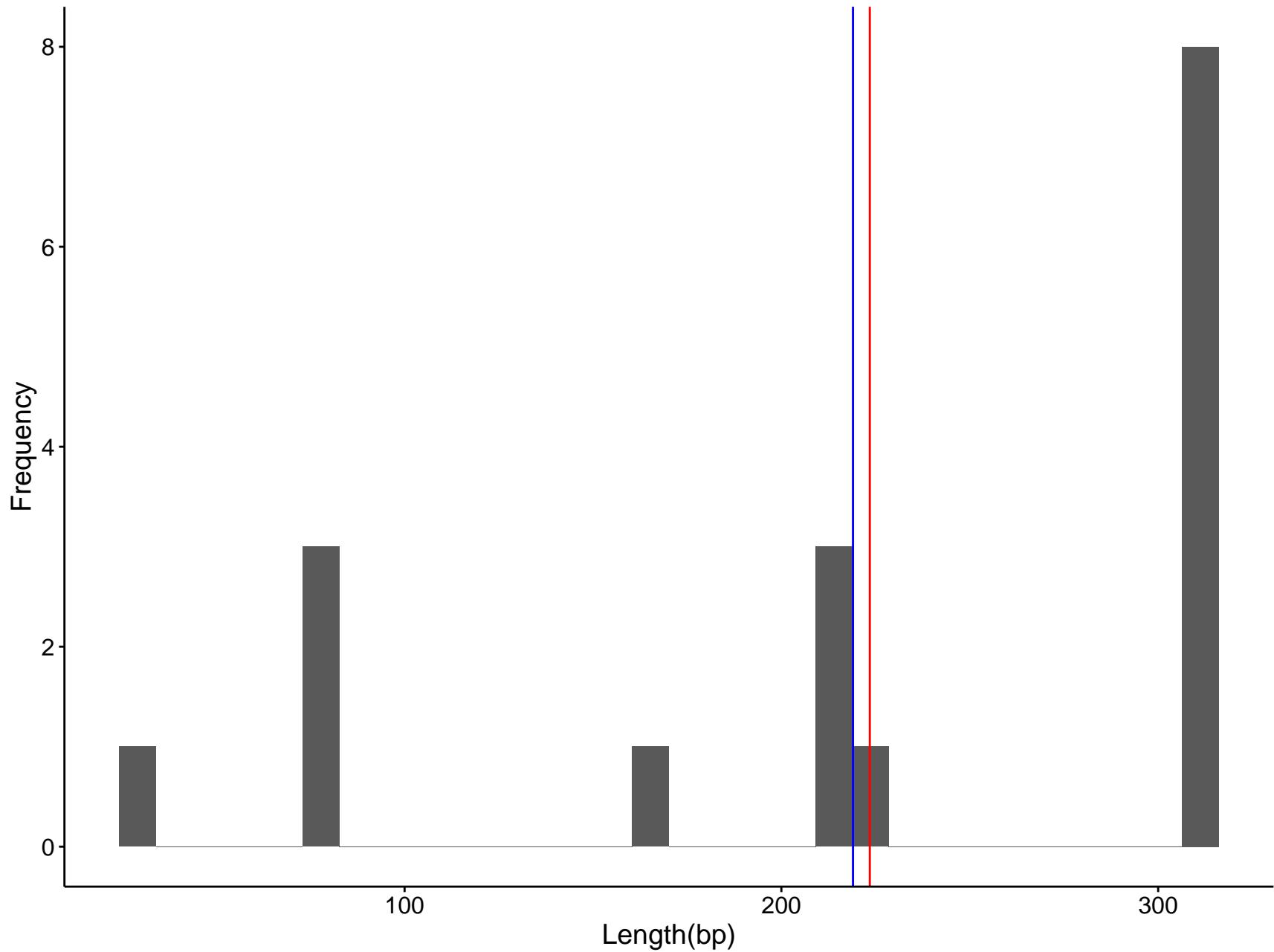
Cluster1476



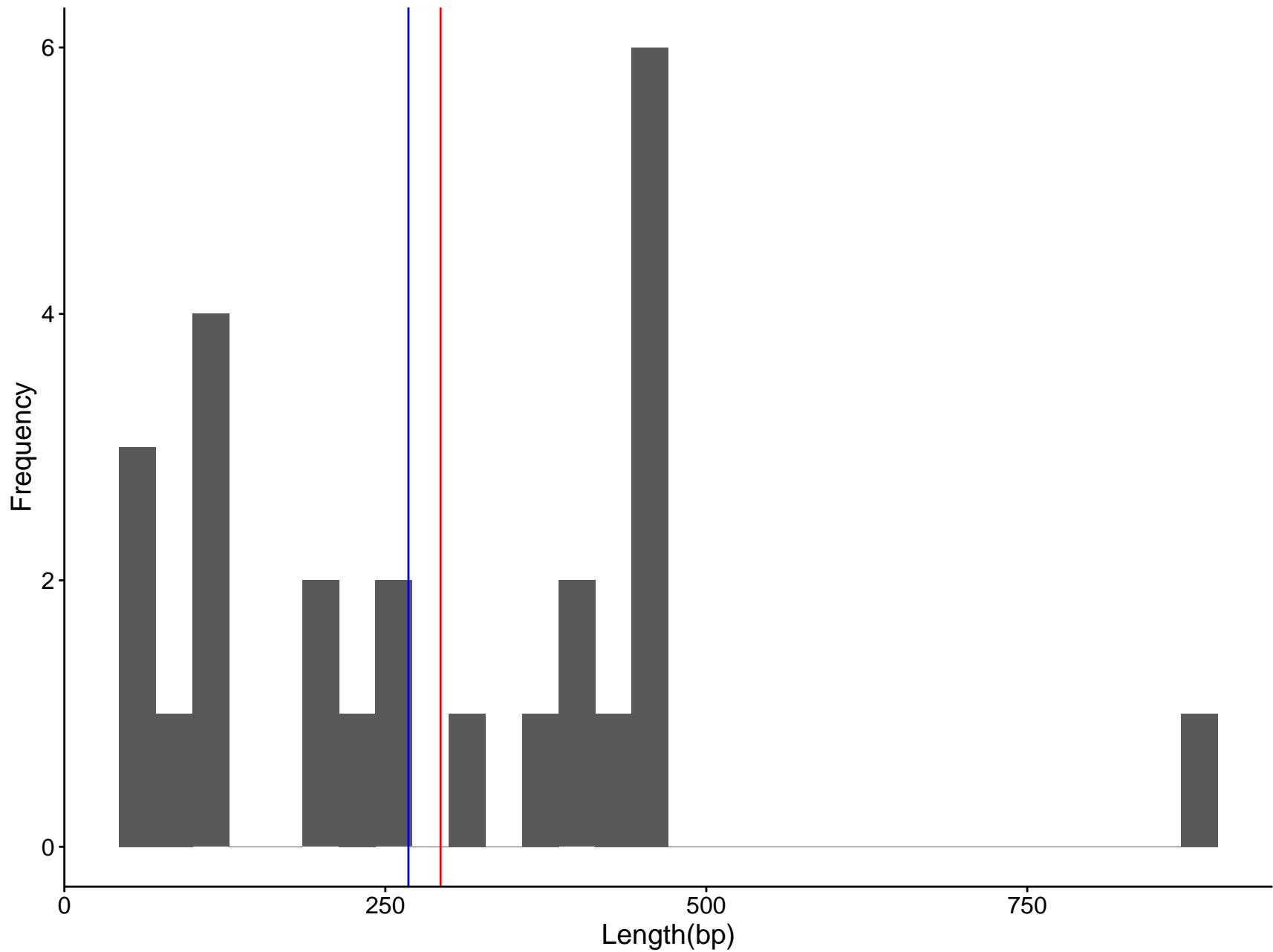
Cluster1477



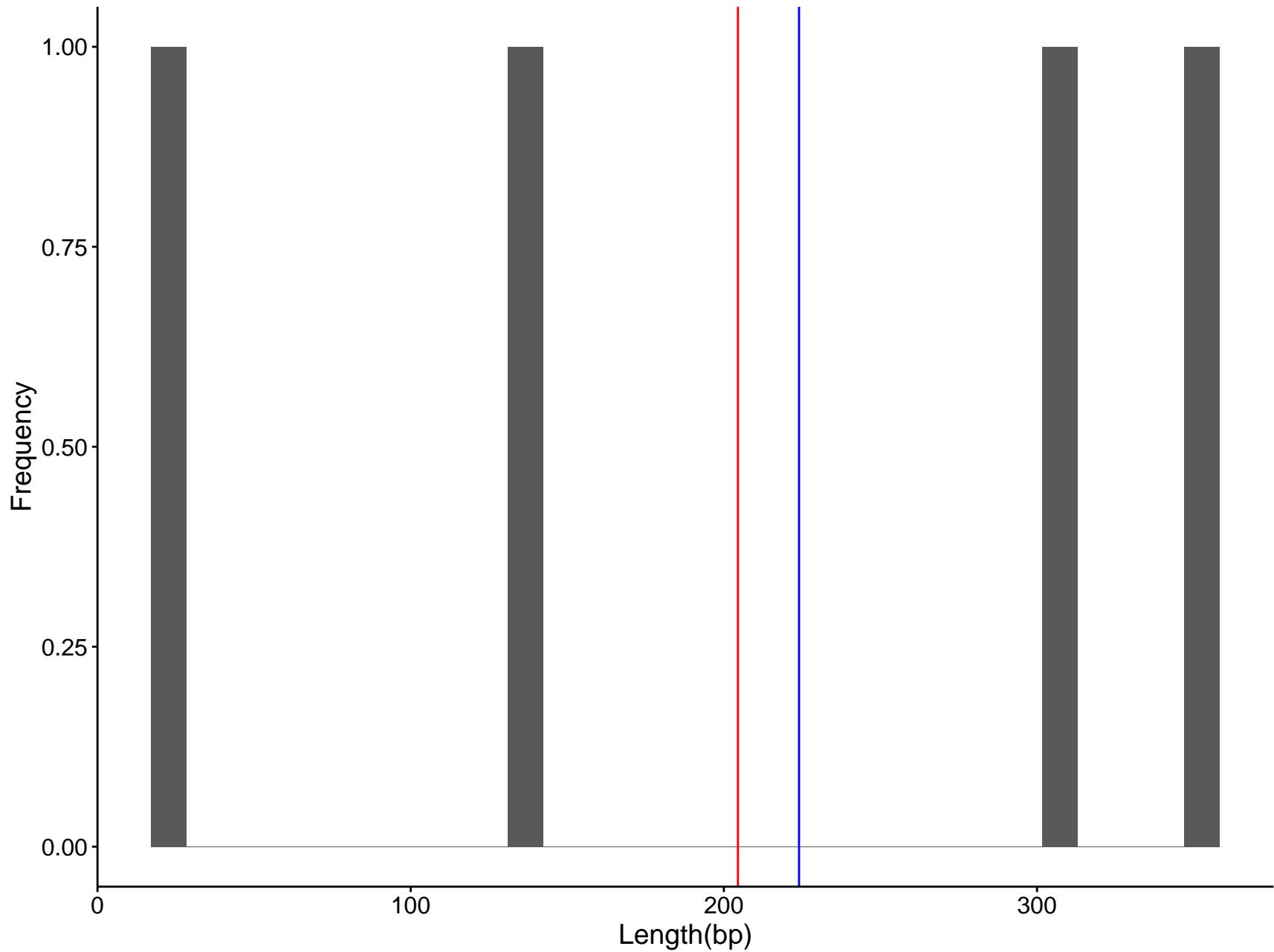
Cluster1478



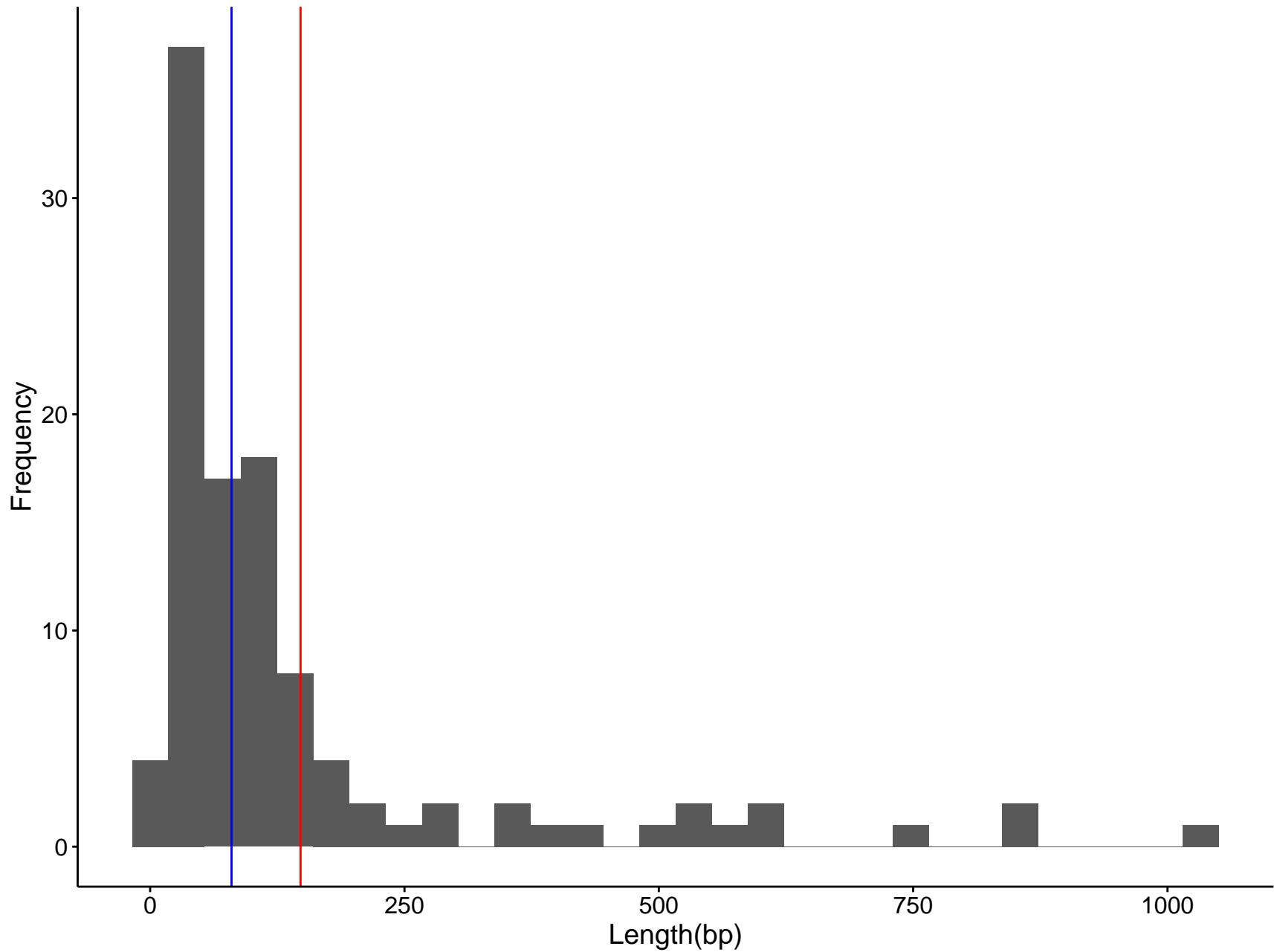
Cluster1479



Cluster147



Cluster1480



Cluster1481

Frequency

197.950

197.975

198.000

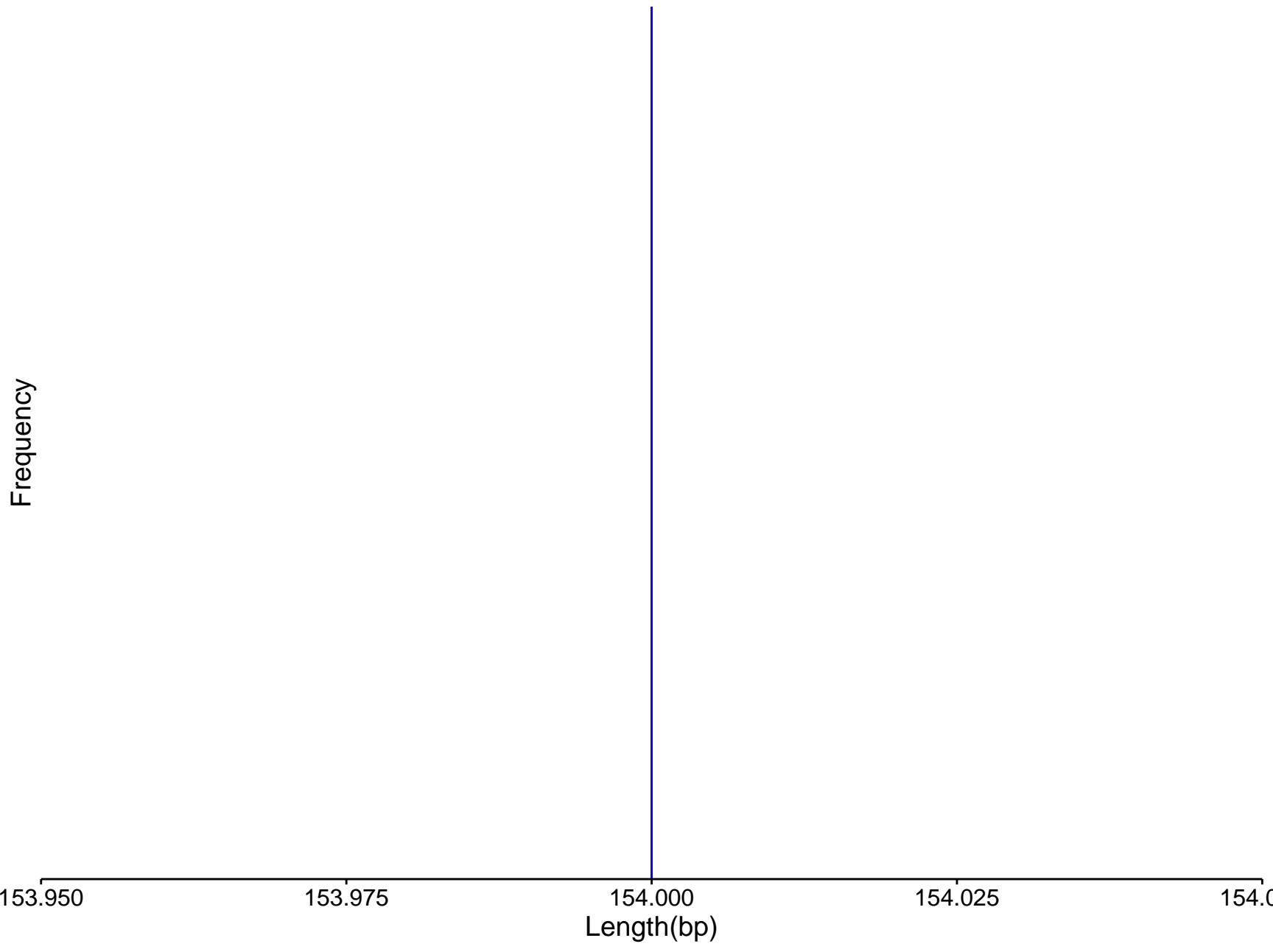
198.025

198.050

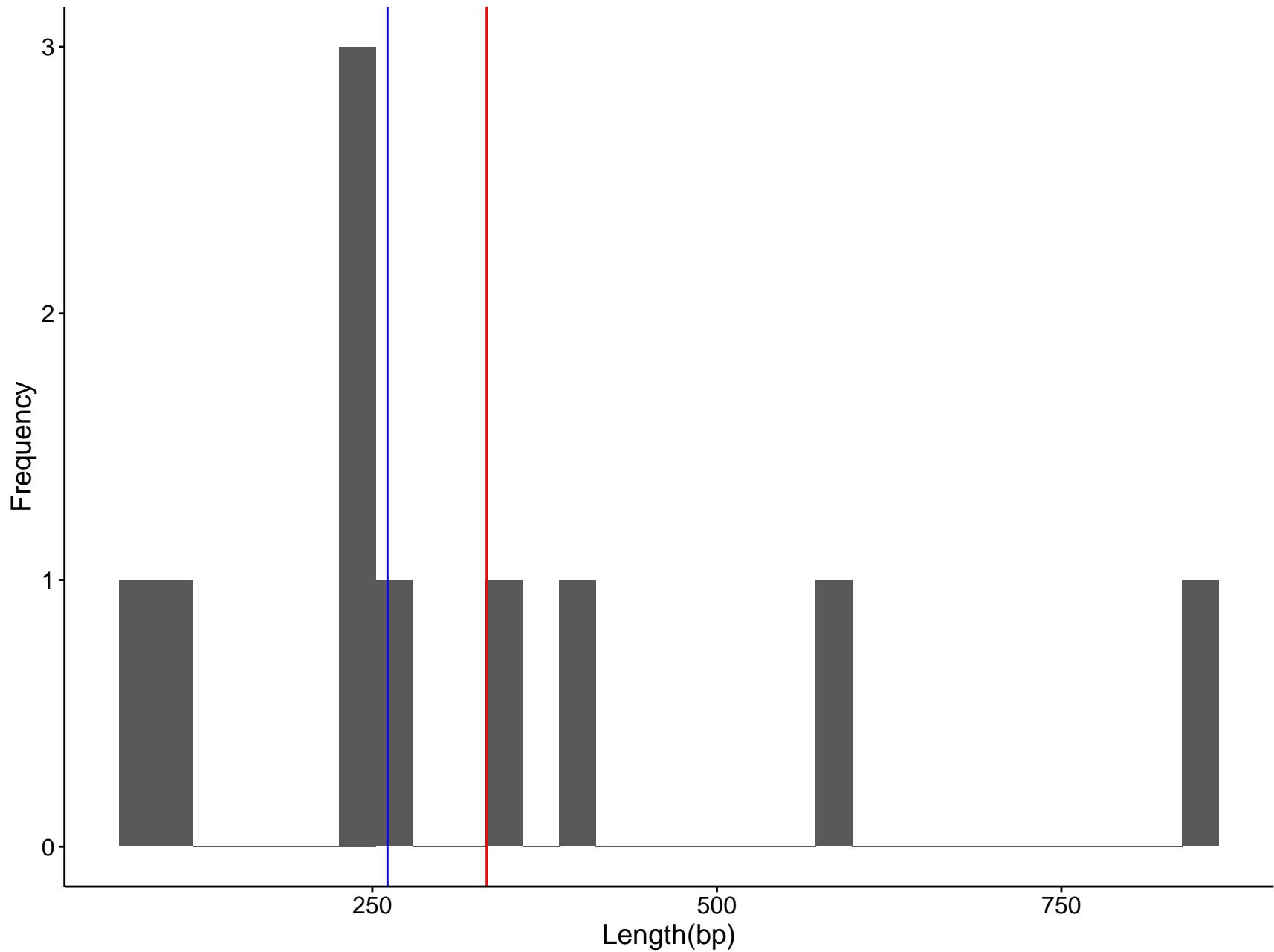
Length(bp)



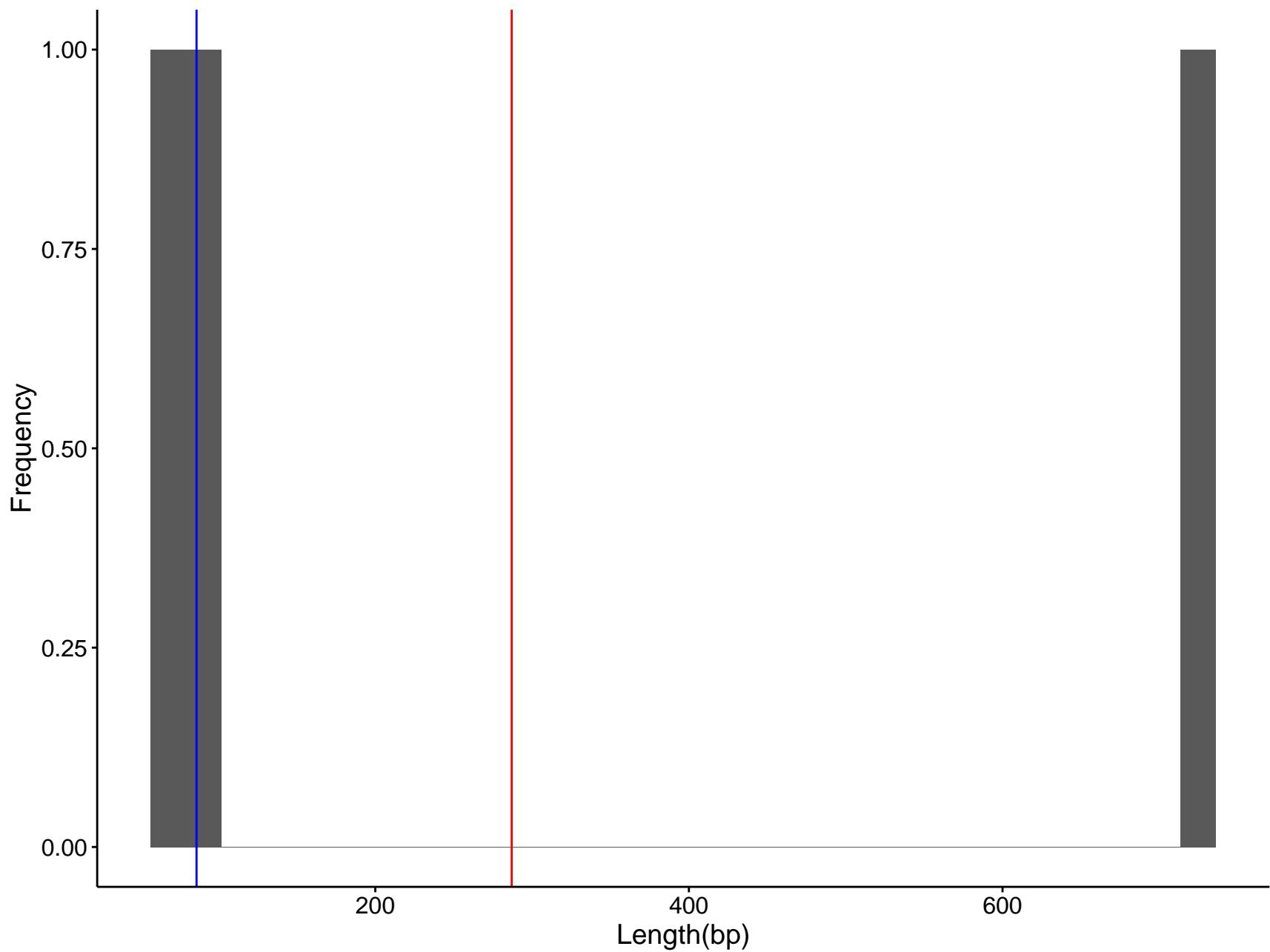
# Cluster1482



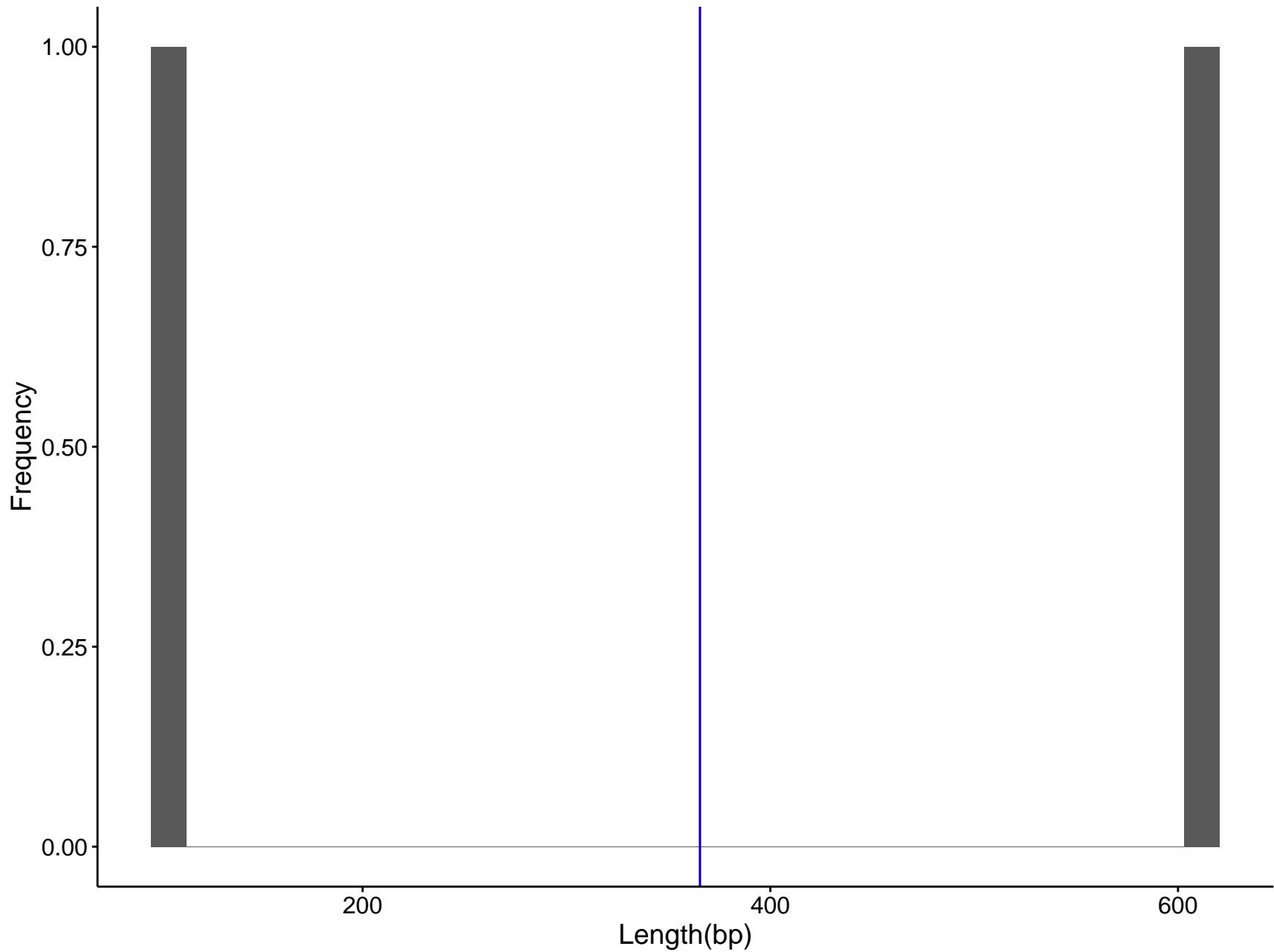
Cluster1483



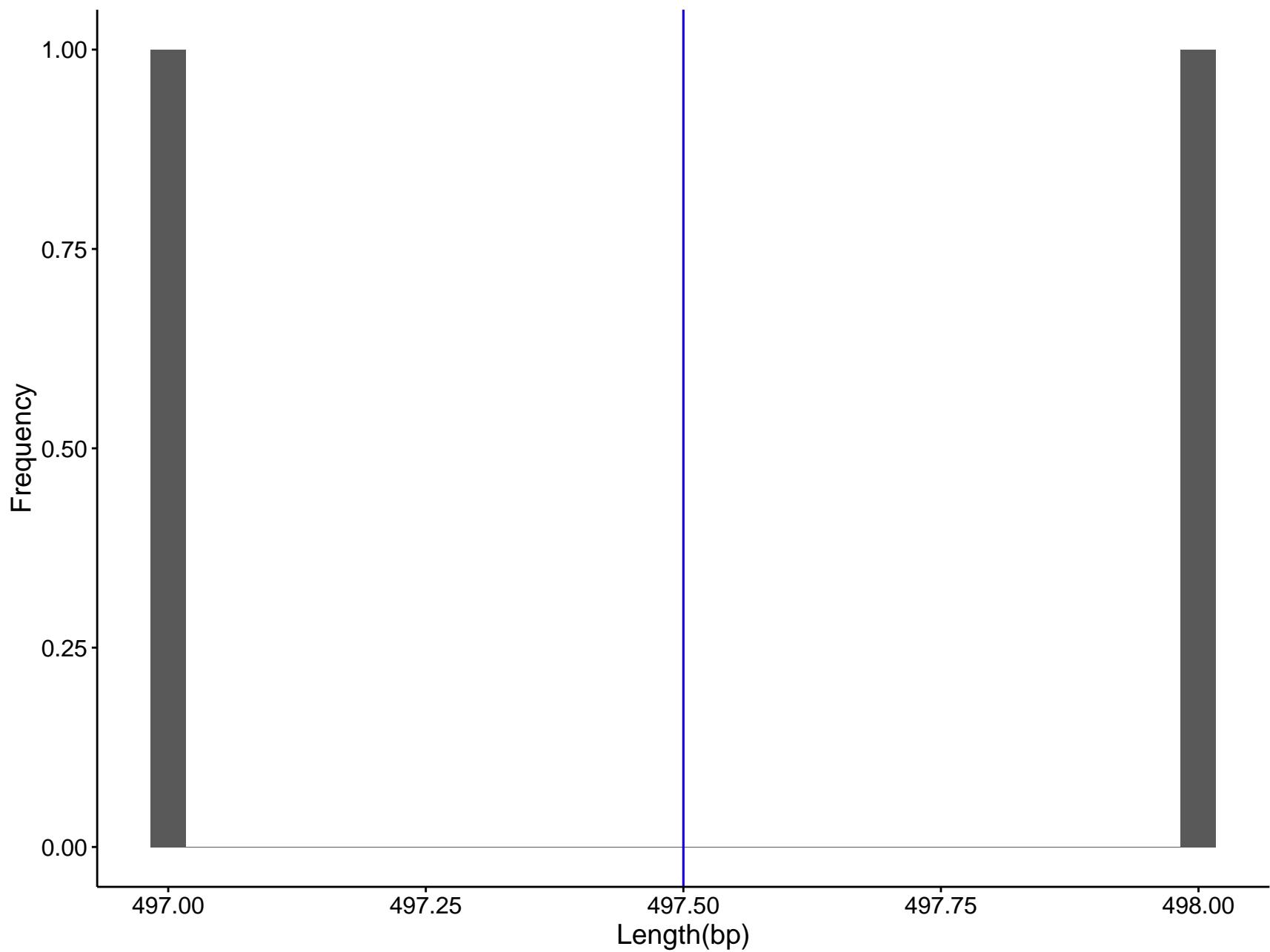
Cluster1485



Cluster1486



Cluster1488



Cluster1489

Frequency

1353.950

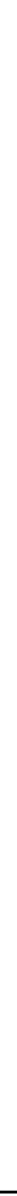
1353.975

1354.000

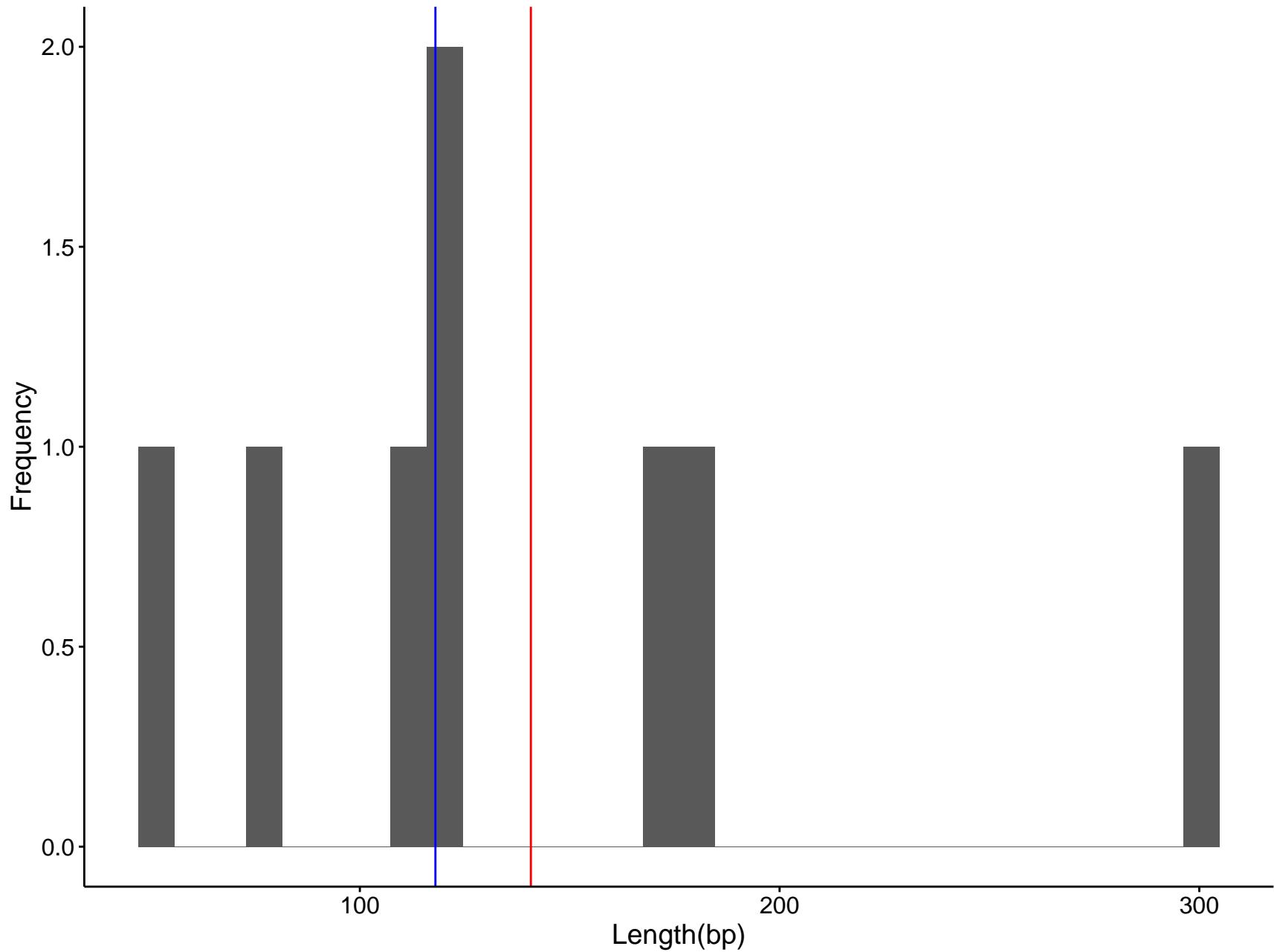
1354.025

1354.

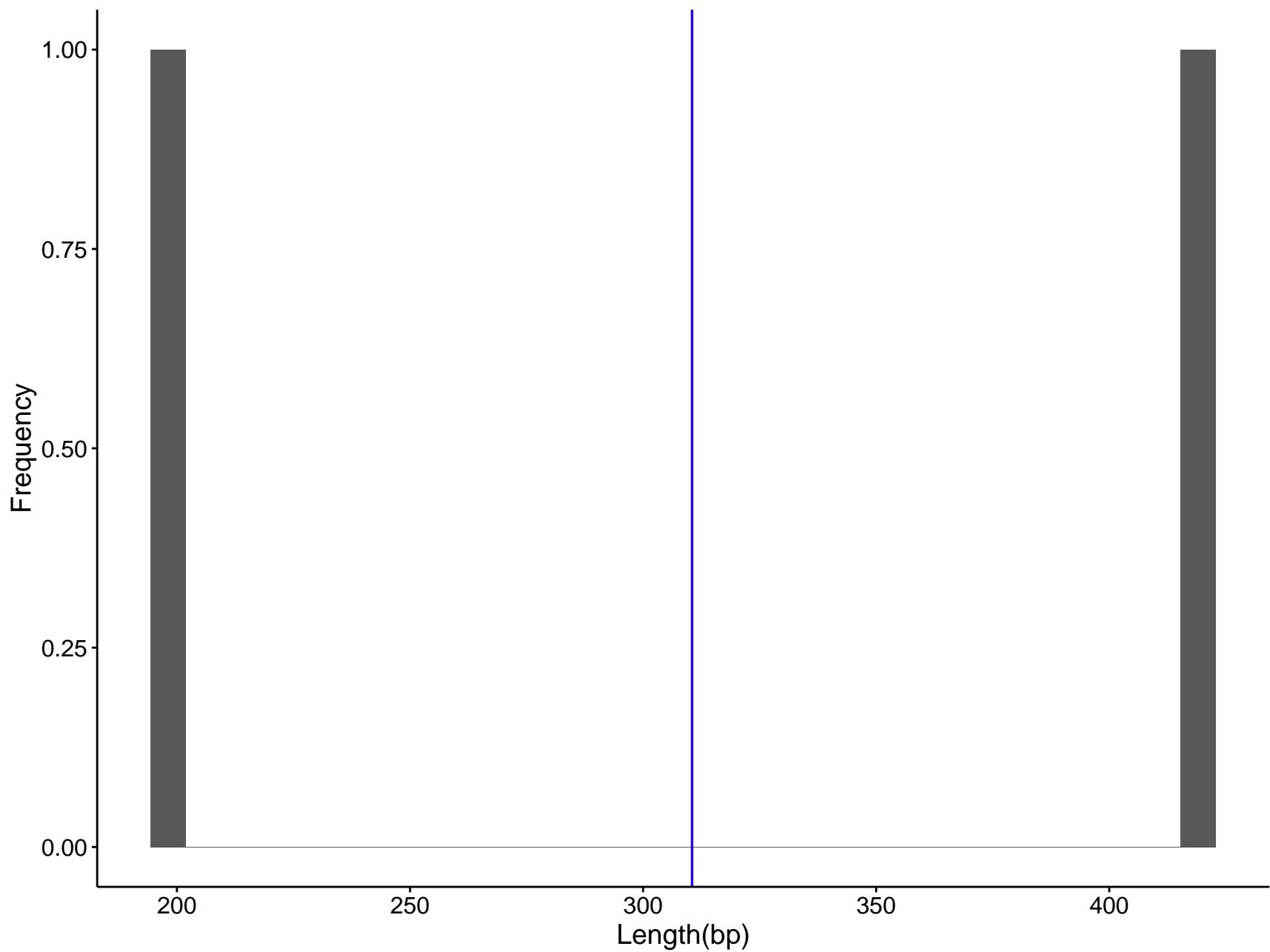
Length(bp)



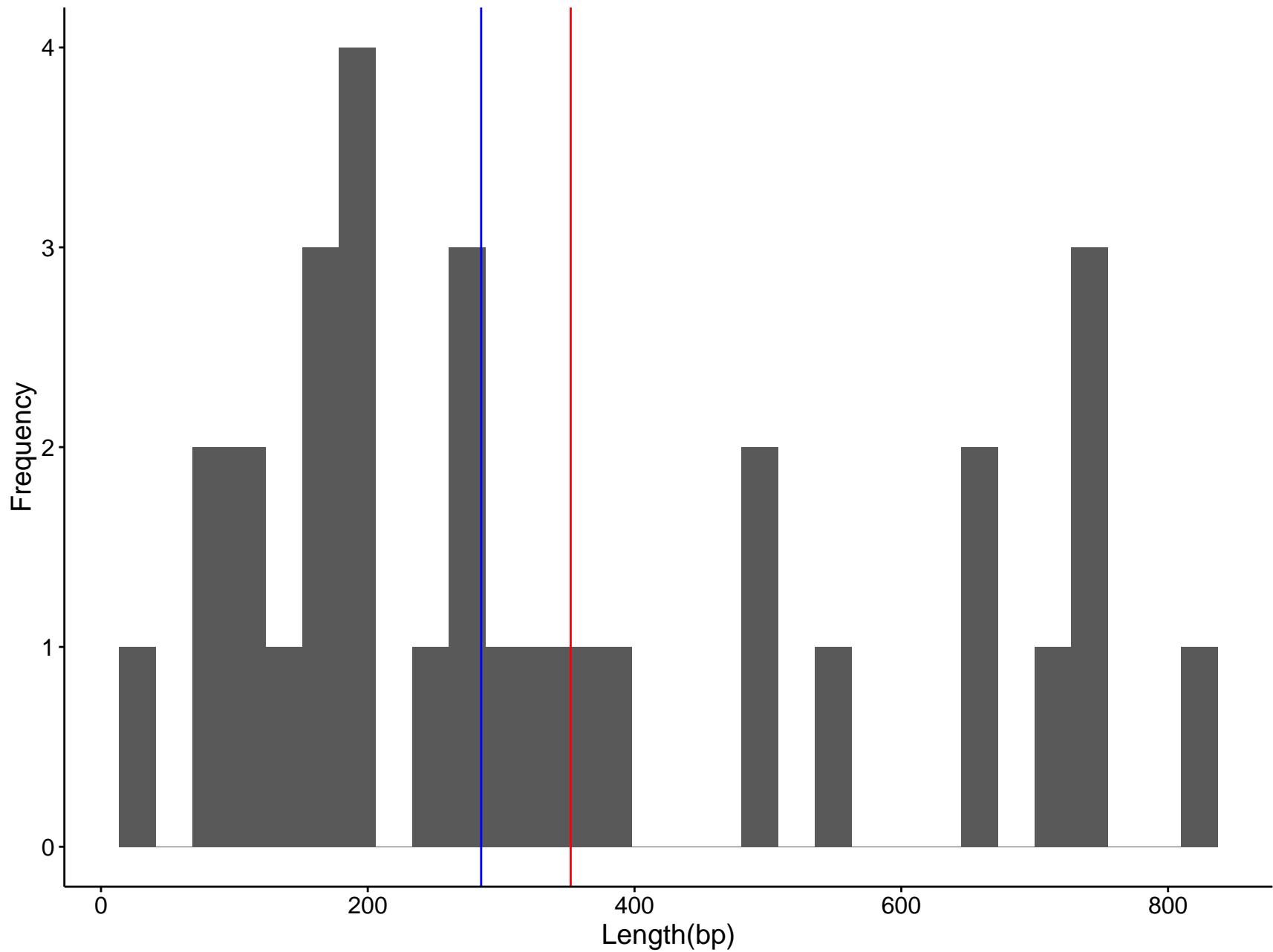
Cluster148



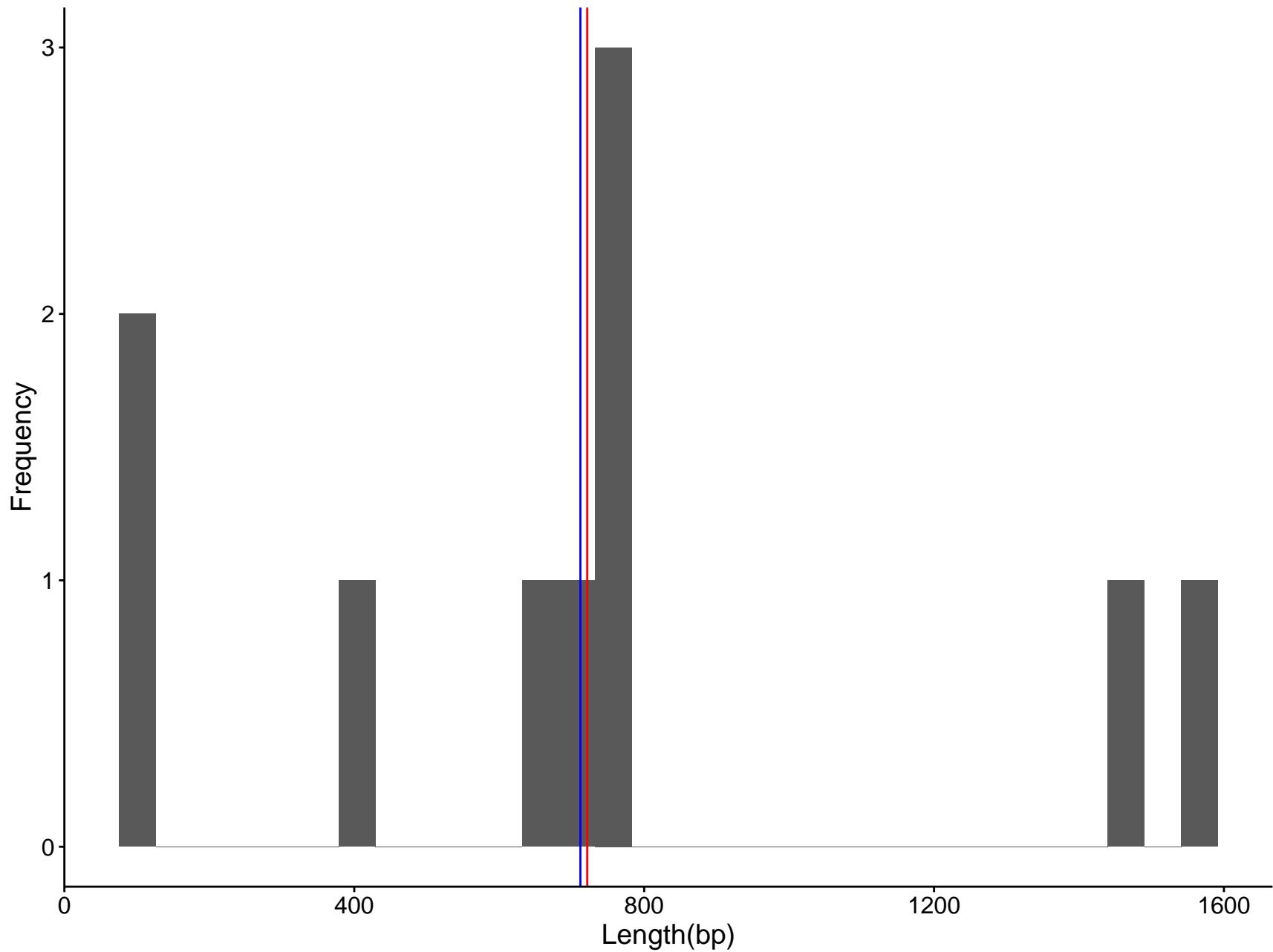
Cluster1493



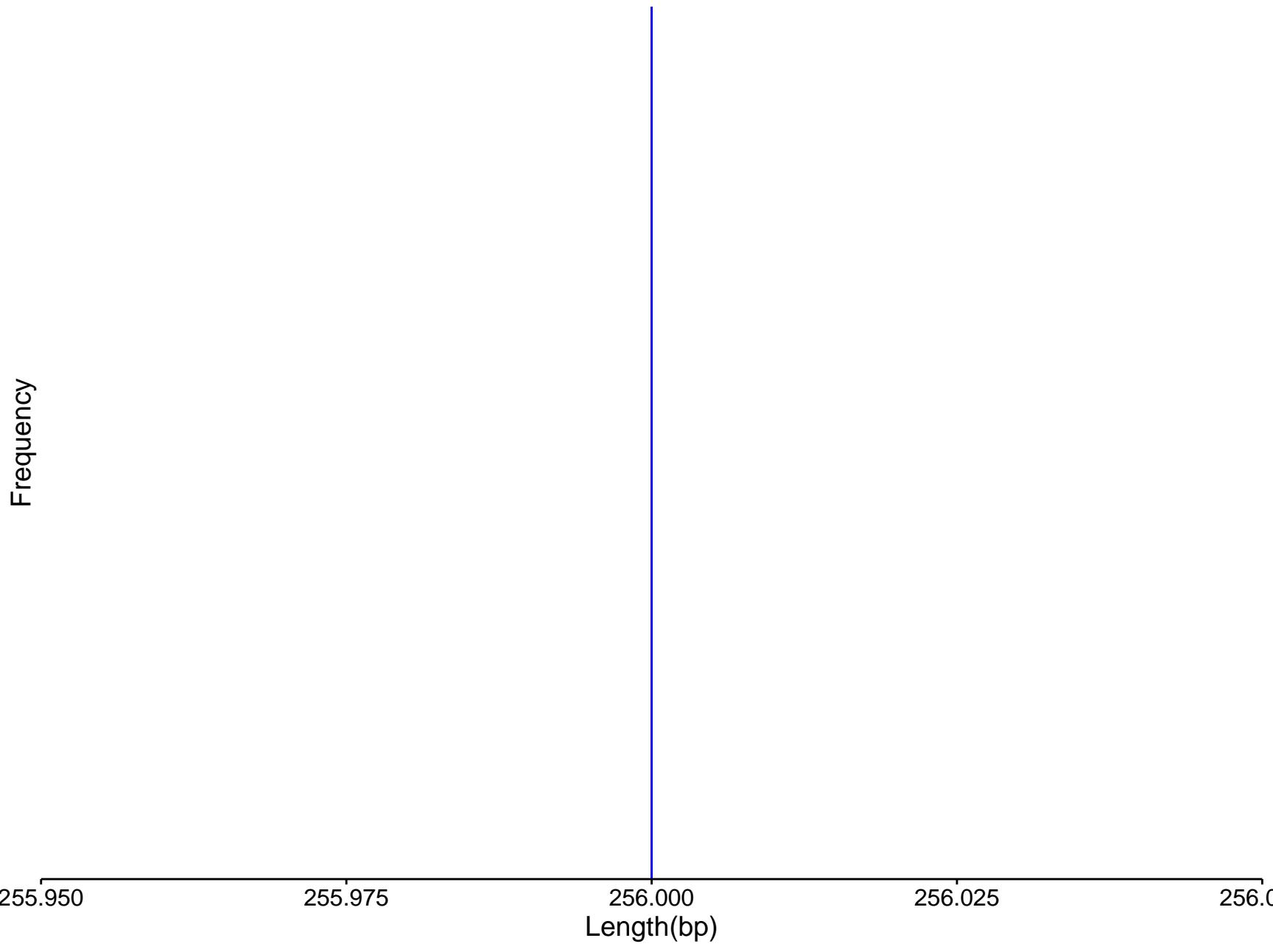
Cluster1495



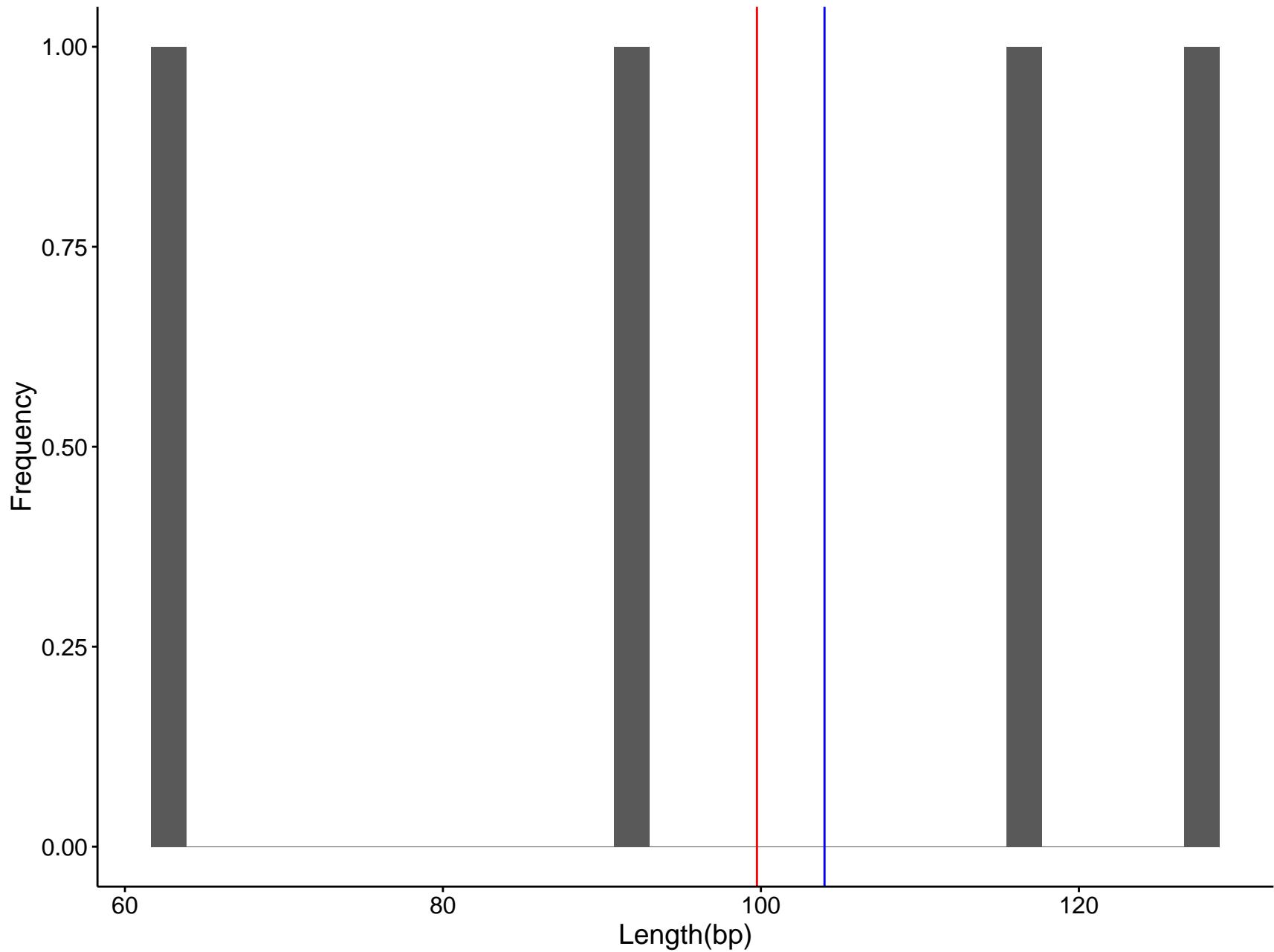
Cluster1496



# Cluster1498



Cluster1499



# Cluster149

Frequency

360.950

360.975

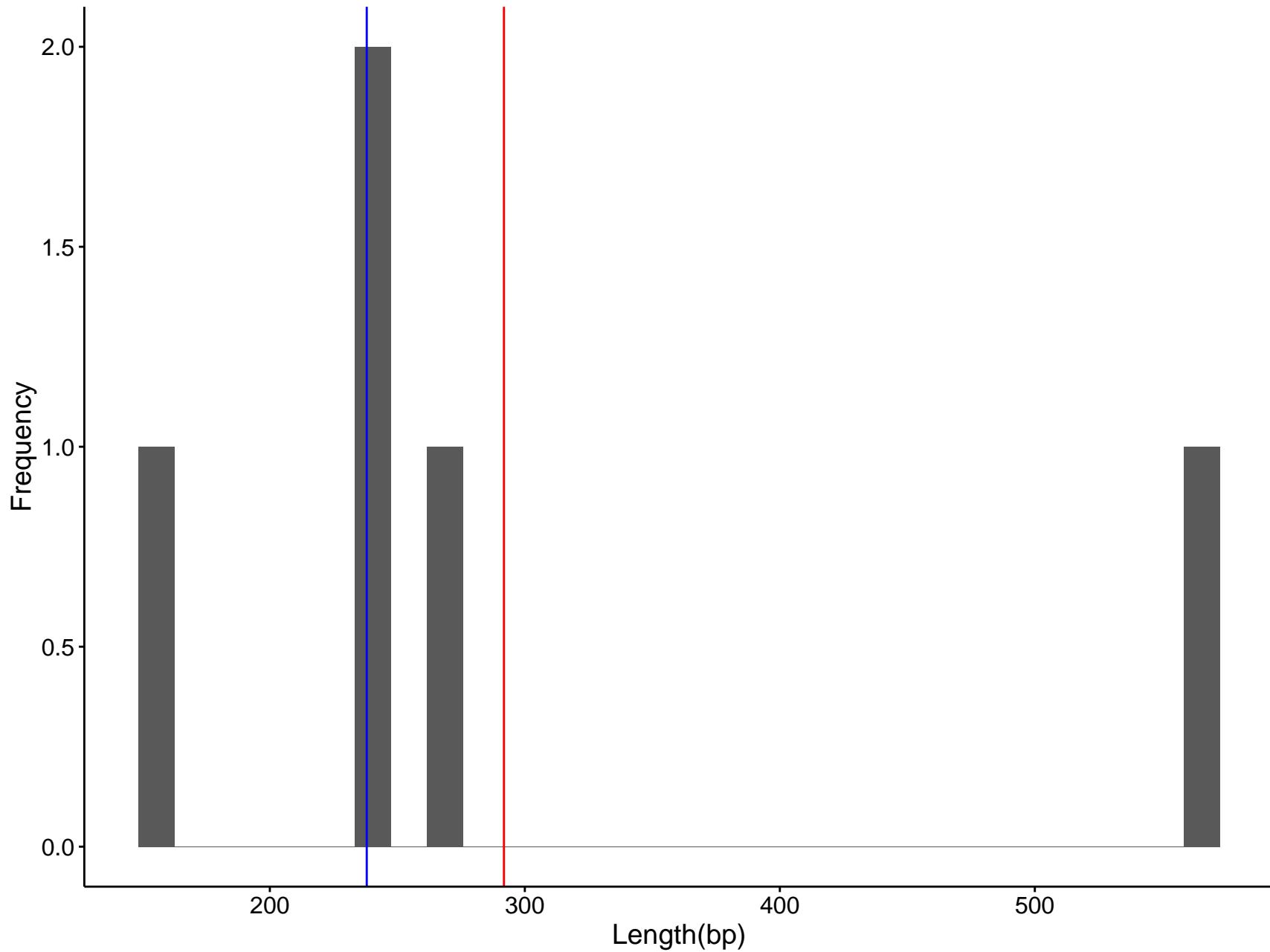
361.000

361.025

Length(bp)



Cluster14



# Cluster1501

Frequency

48.950

48.975

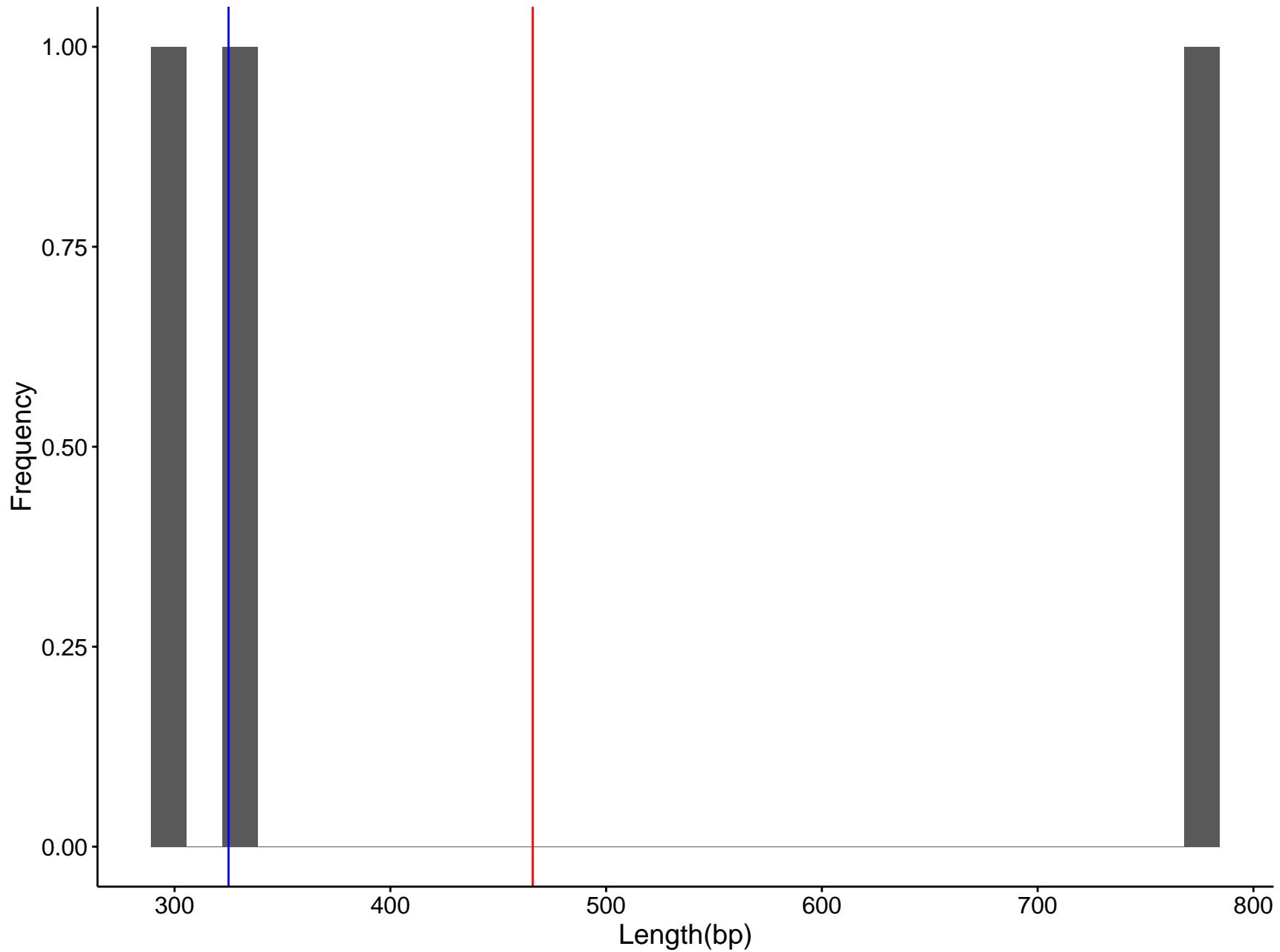
49.000

49.025

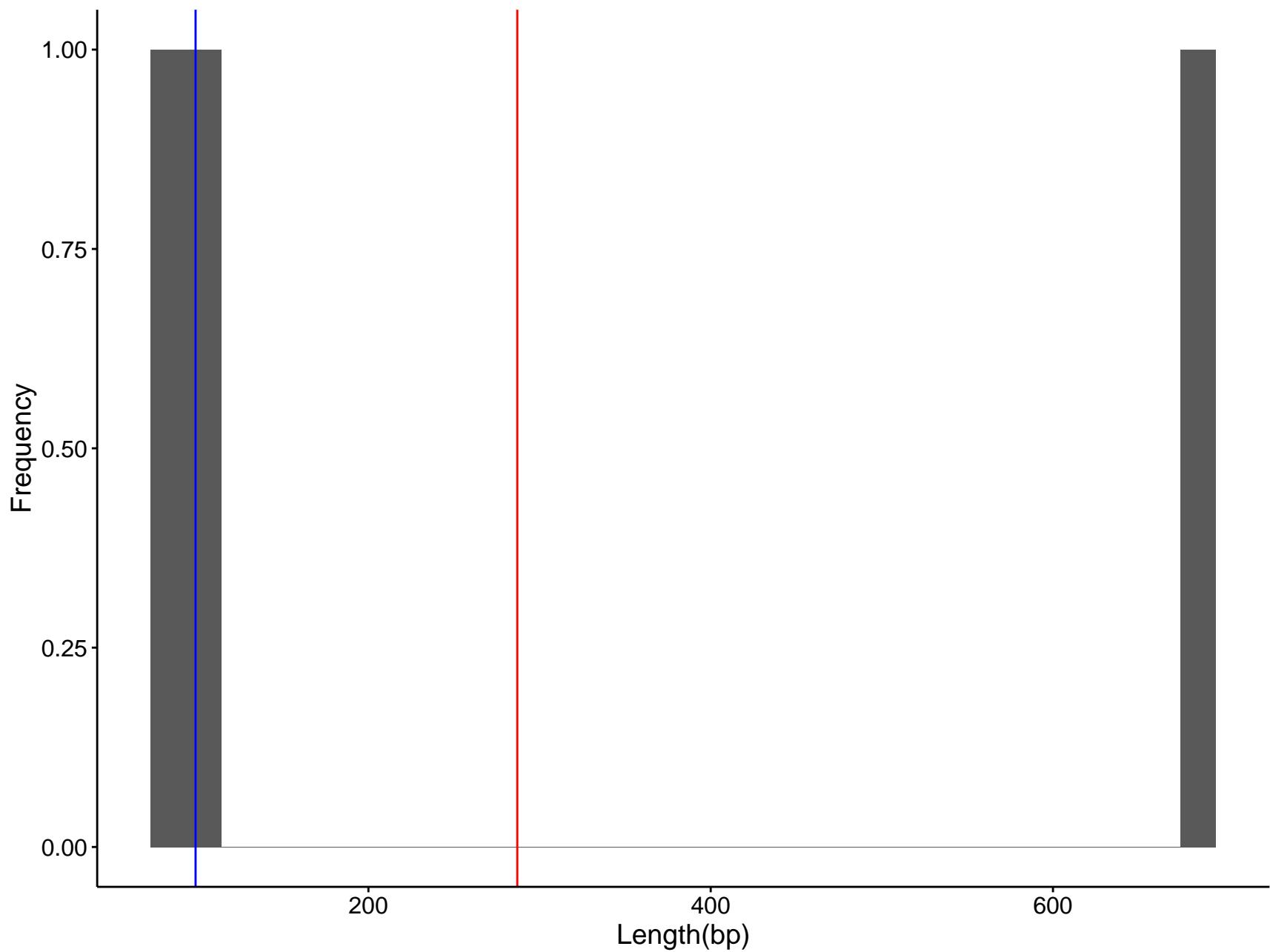
Length(bp)



Cluster1502



Cluster1503



# Cluster1505

Frequency

379.950

379.975

380.000

380.025

Length(bp)



# Cluster1506

Frequency

339.950

339.975

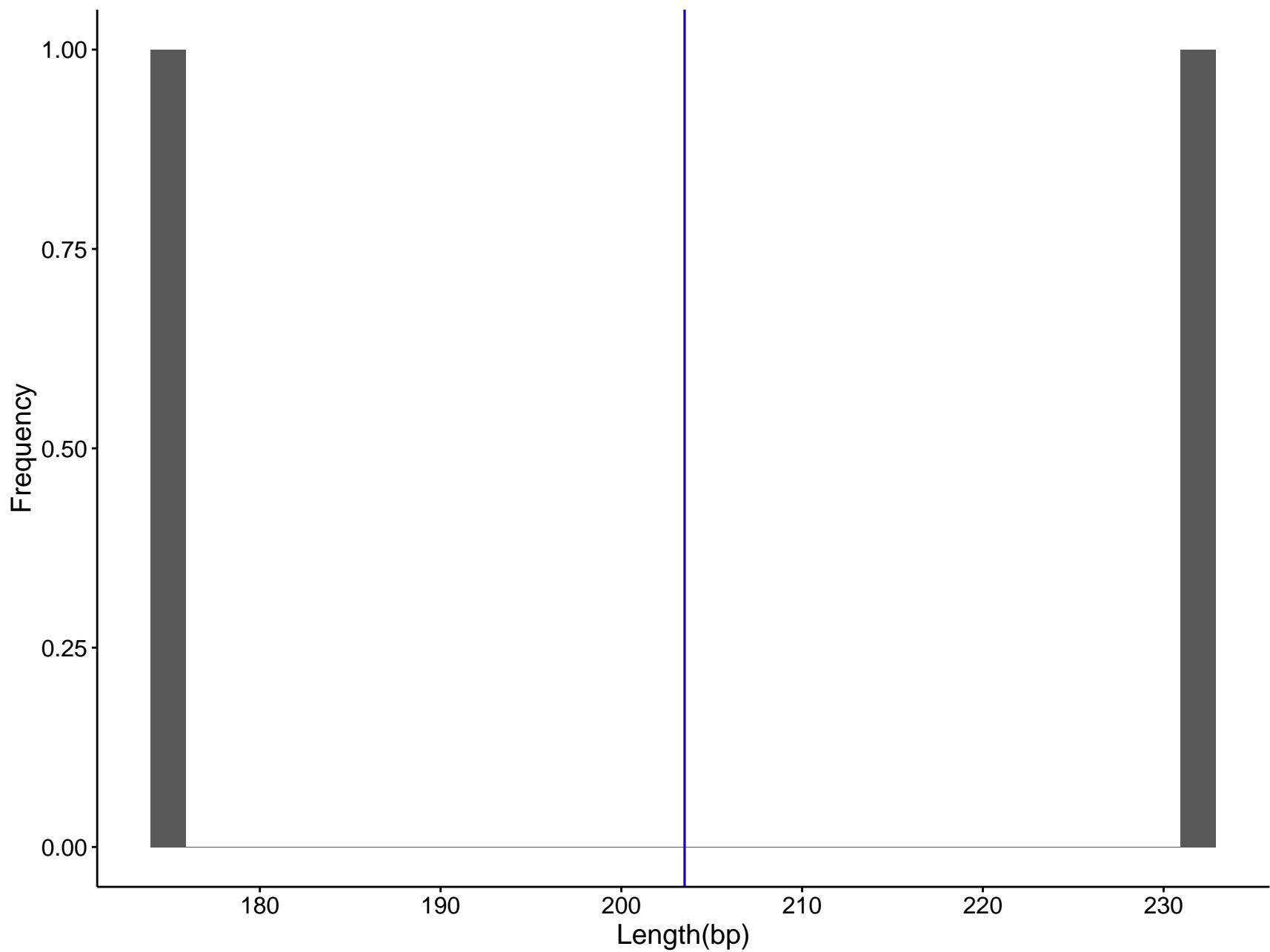
340.000

340.025

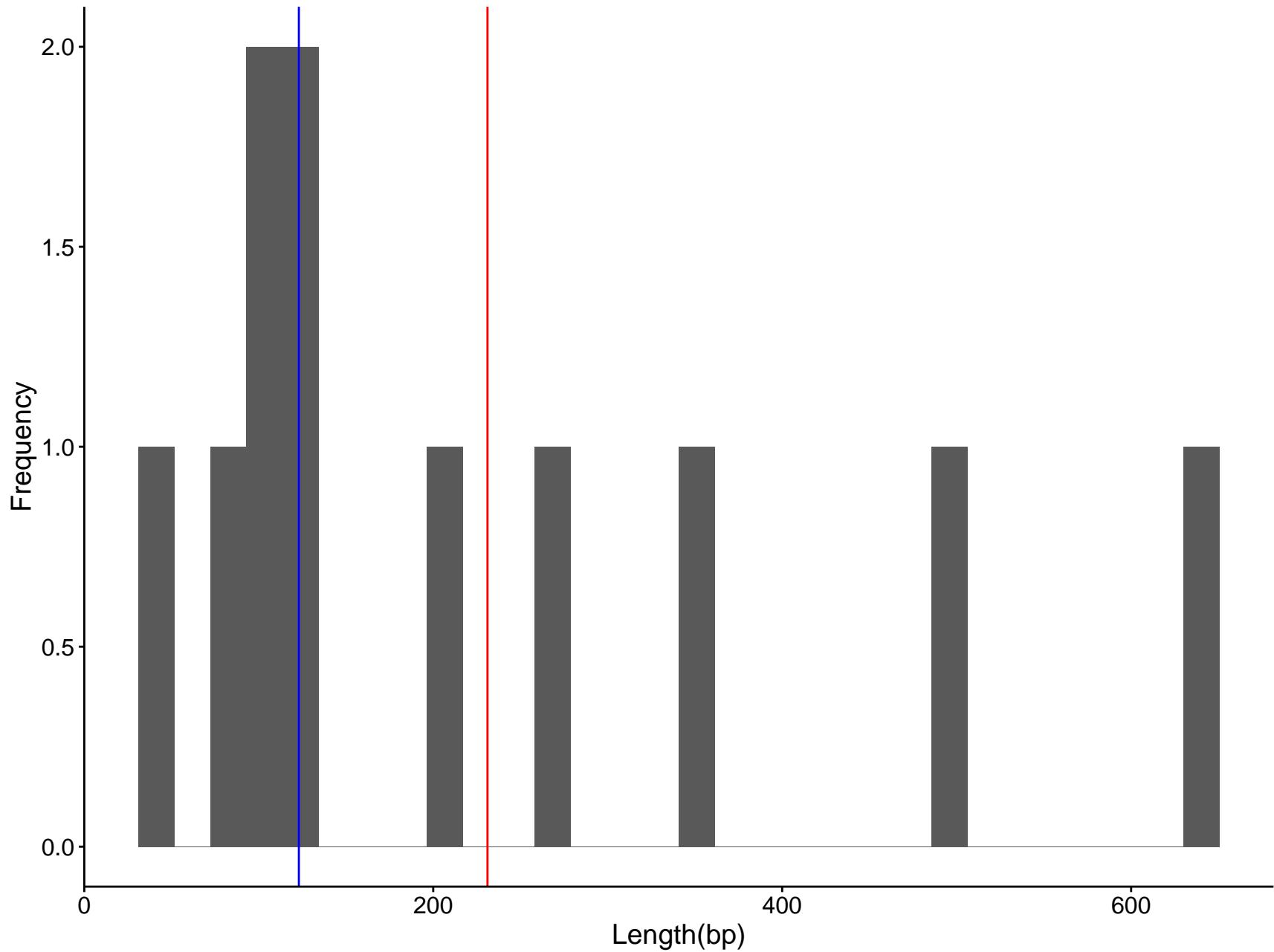
Length(bp)



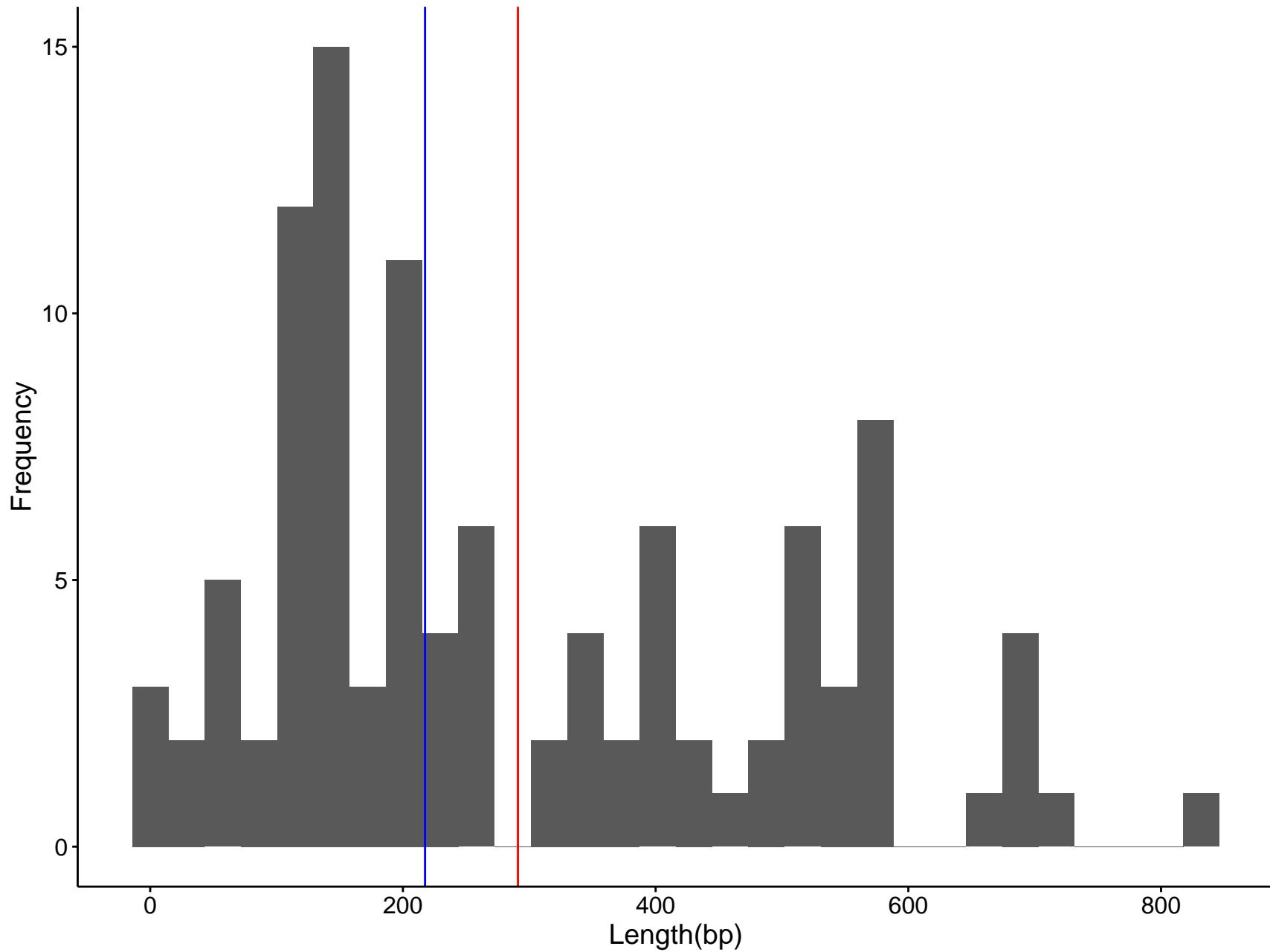
Cluster1507



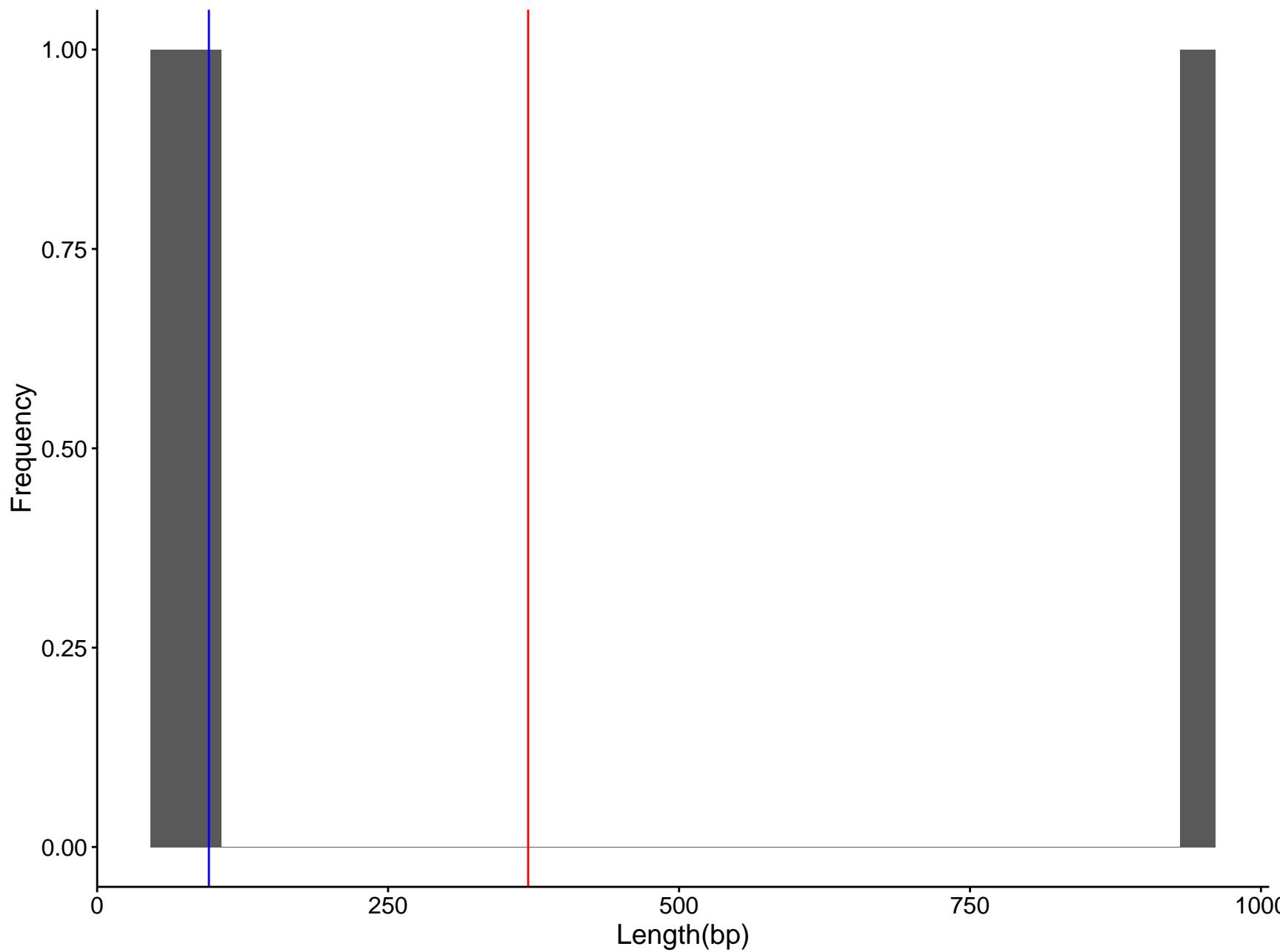
Cluster1509



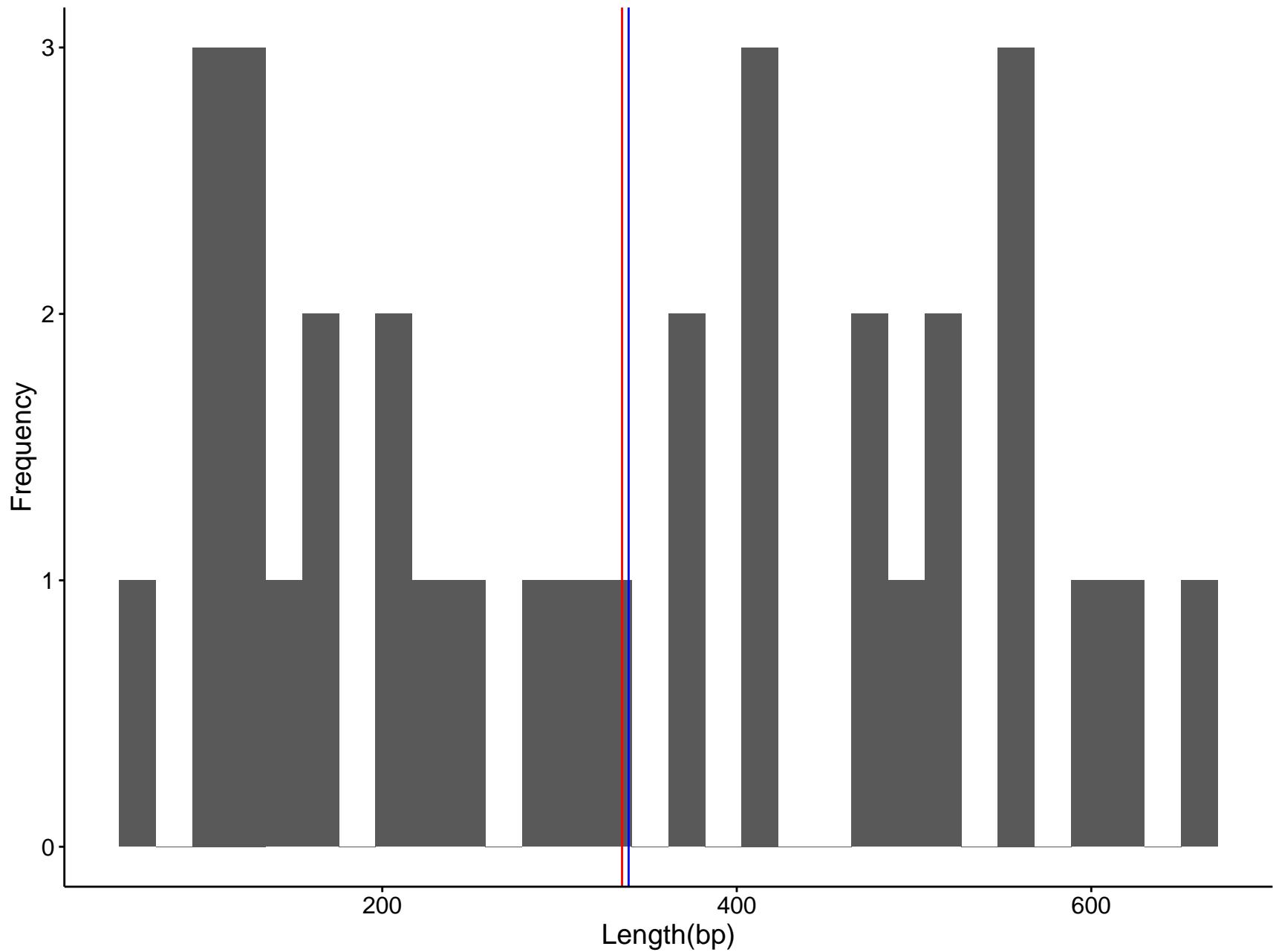
Cluster150



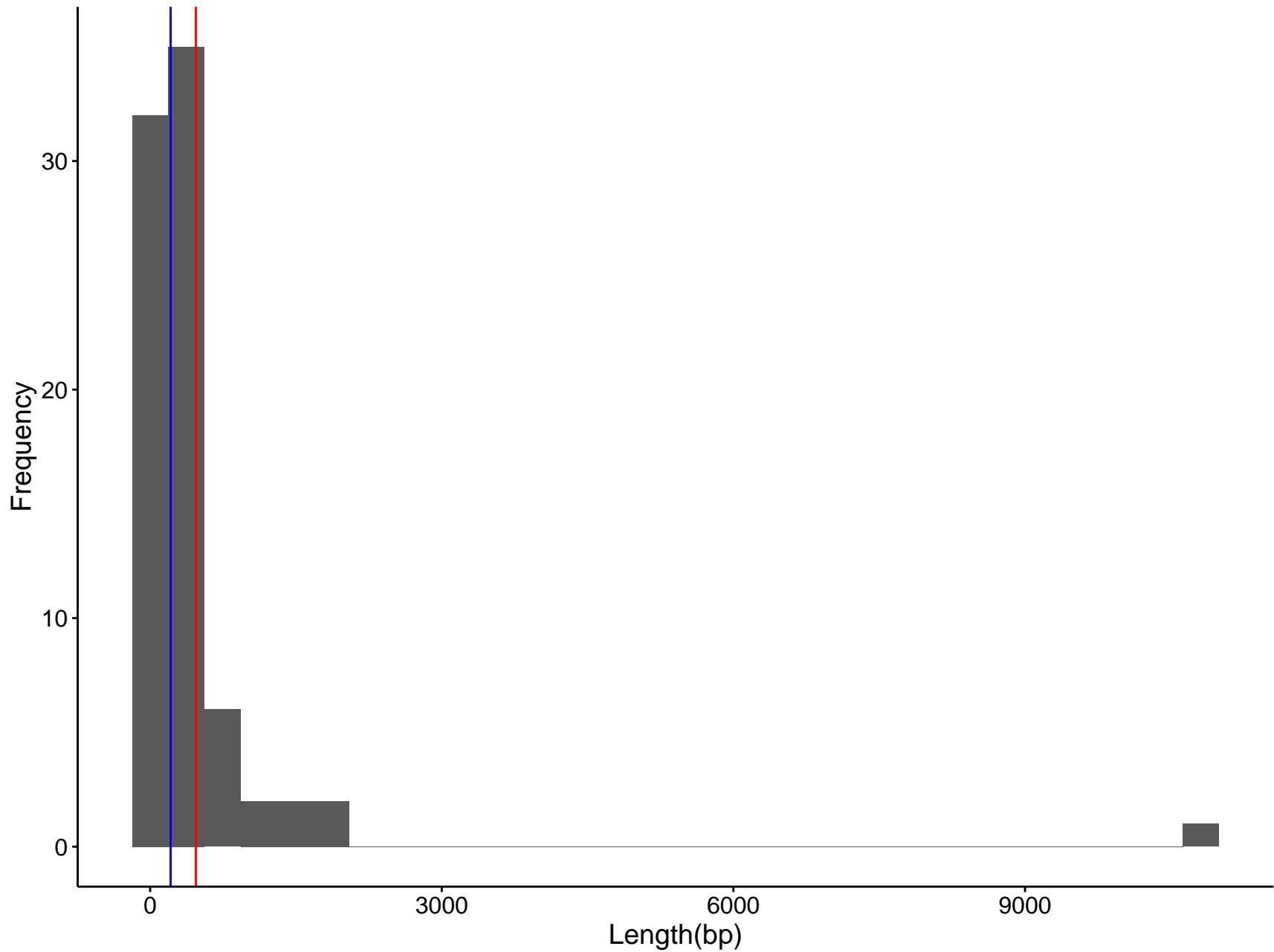
Cluster1510



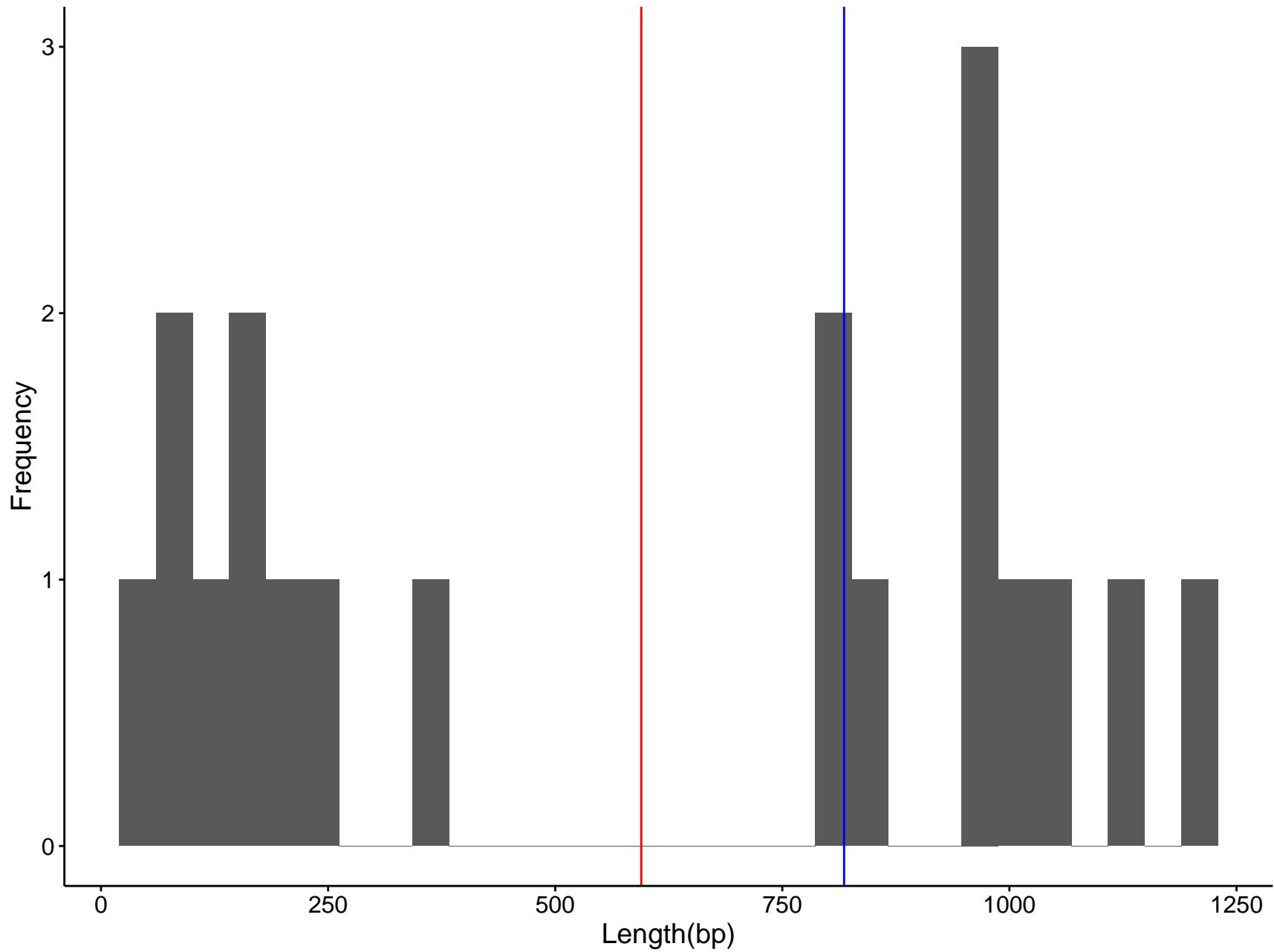
Cluster1511



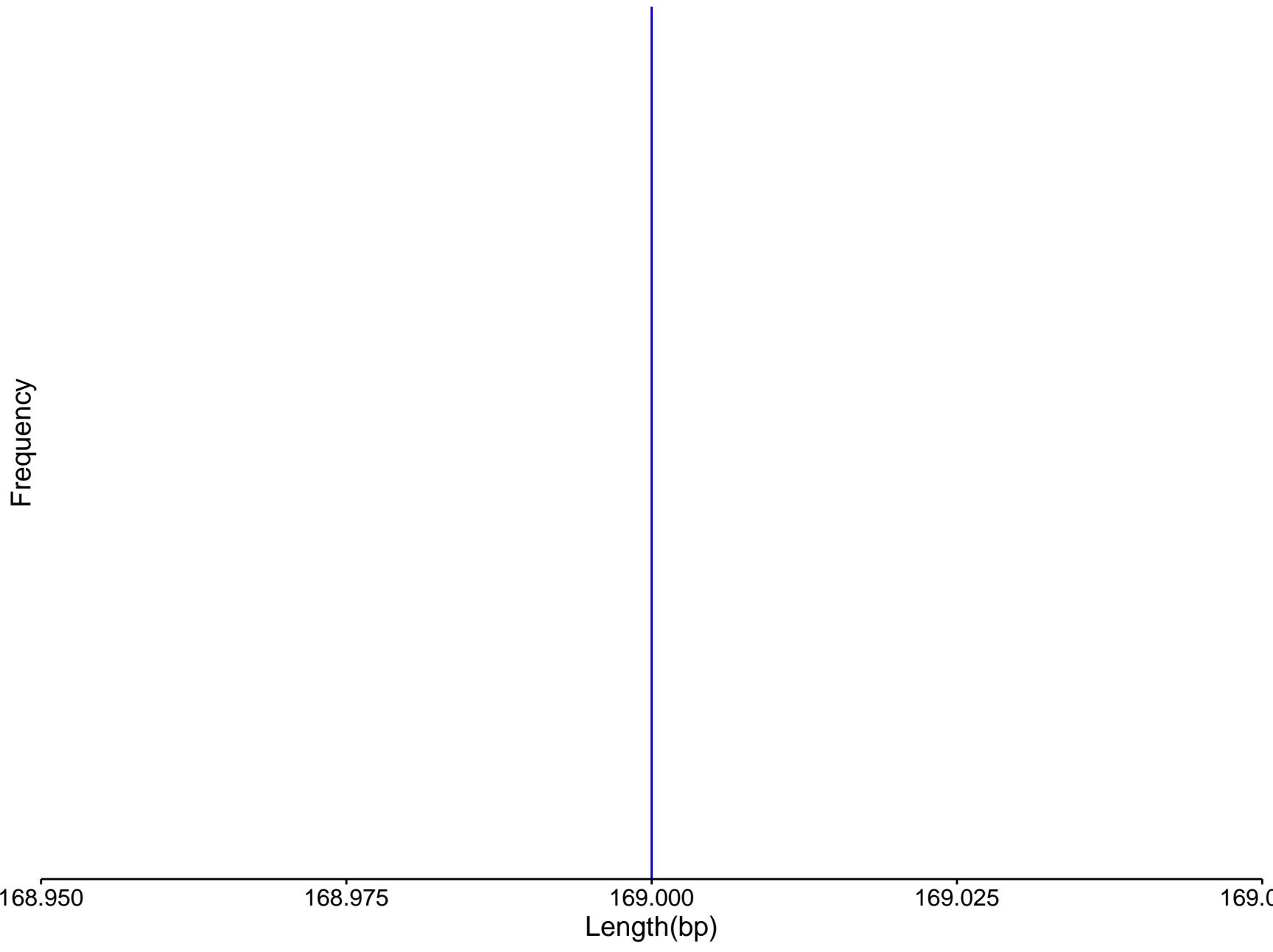
Cluster1515



Cluster1517



Cluster1518



# Cluster1519

Frequency

35.950

35.975

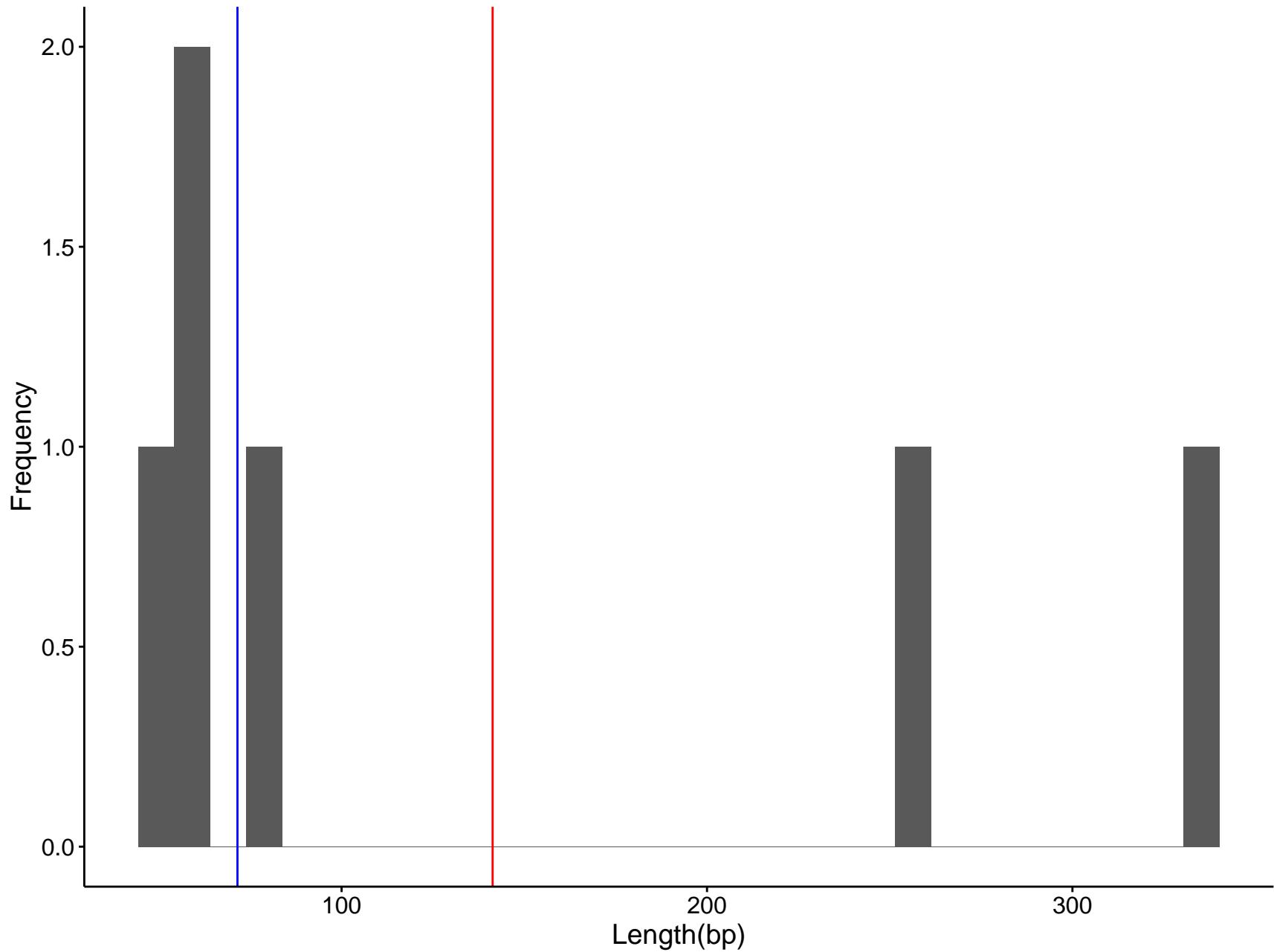
36.000

36.025

Length(bp)



Cluster1520



Cluster1521

Frequency

426.950

426.975

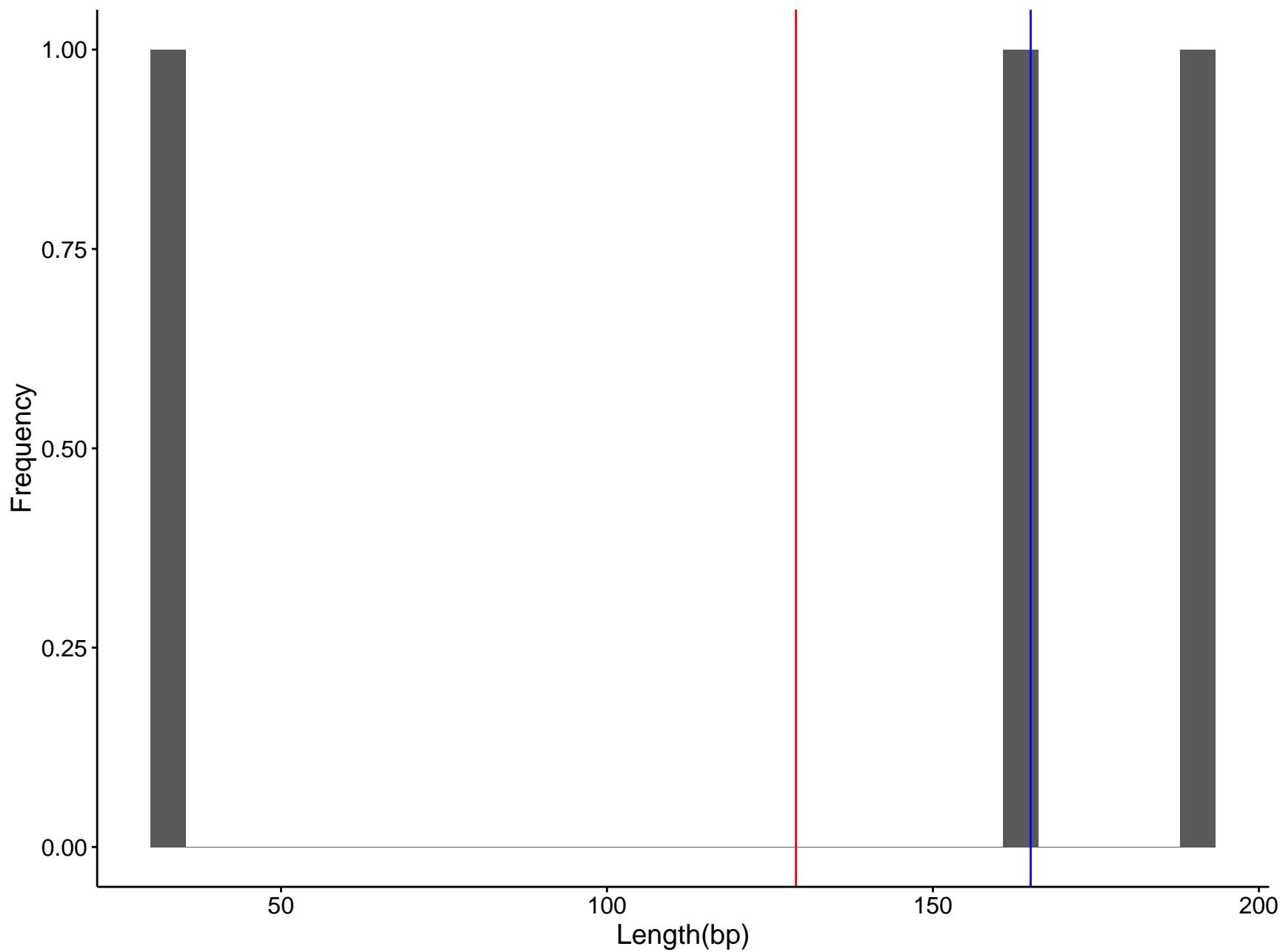
427.000

427.025

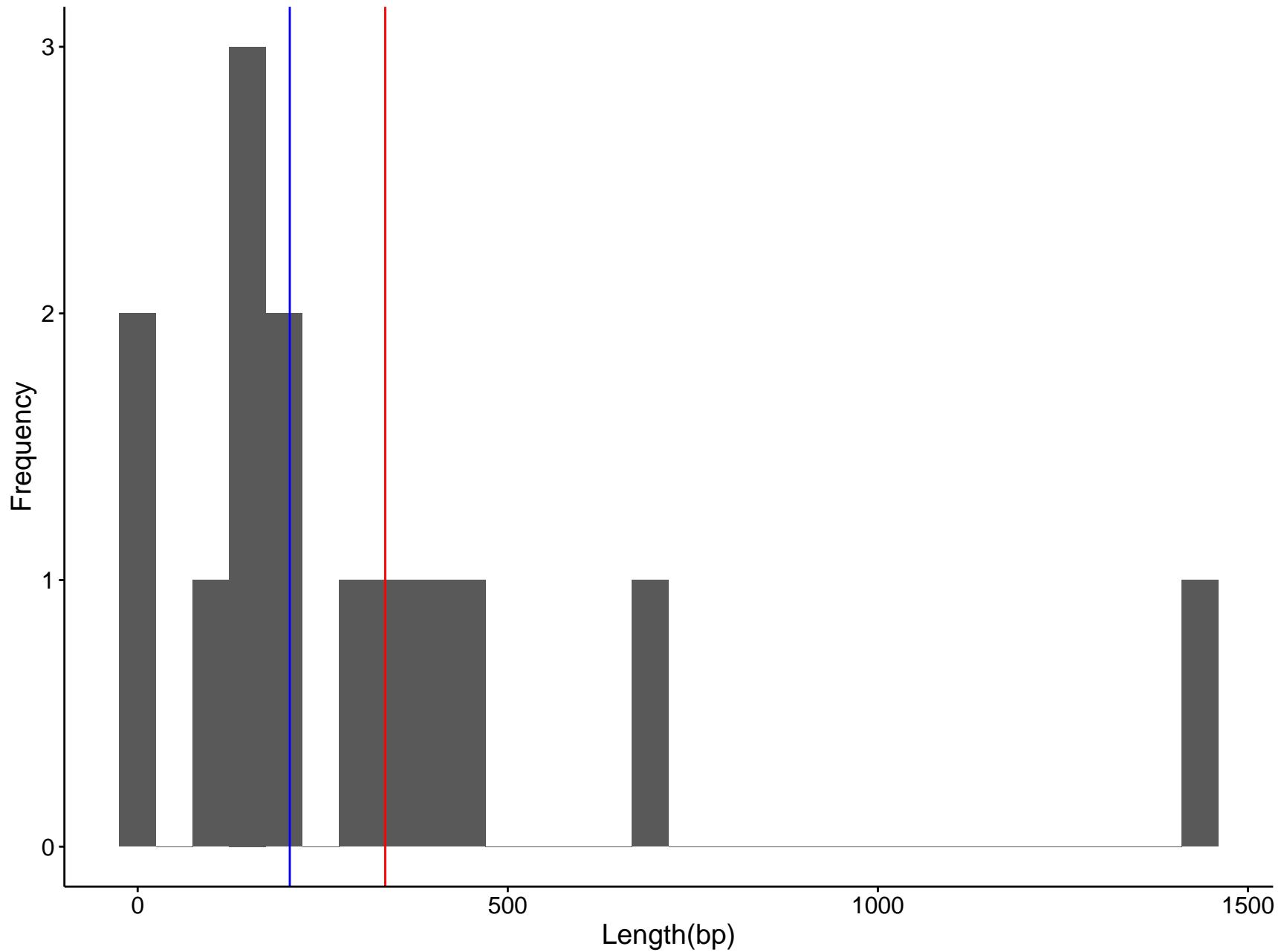
Length(bp)



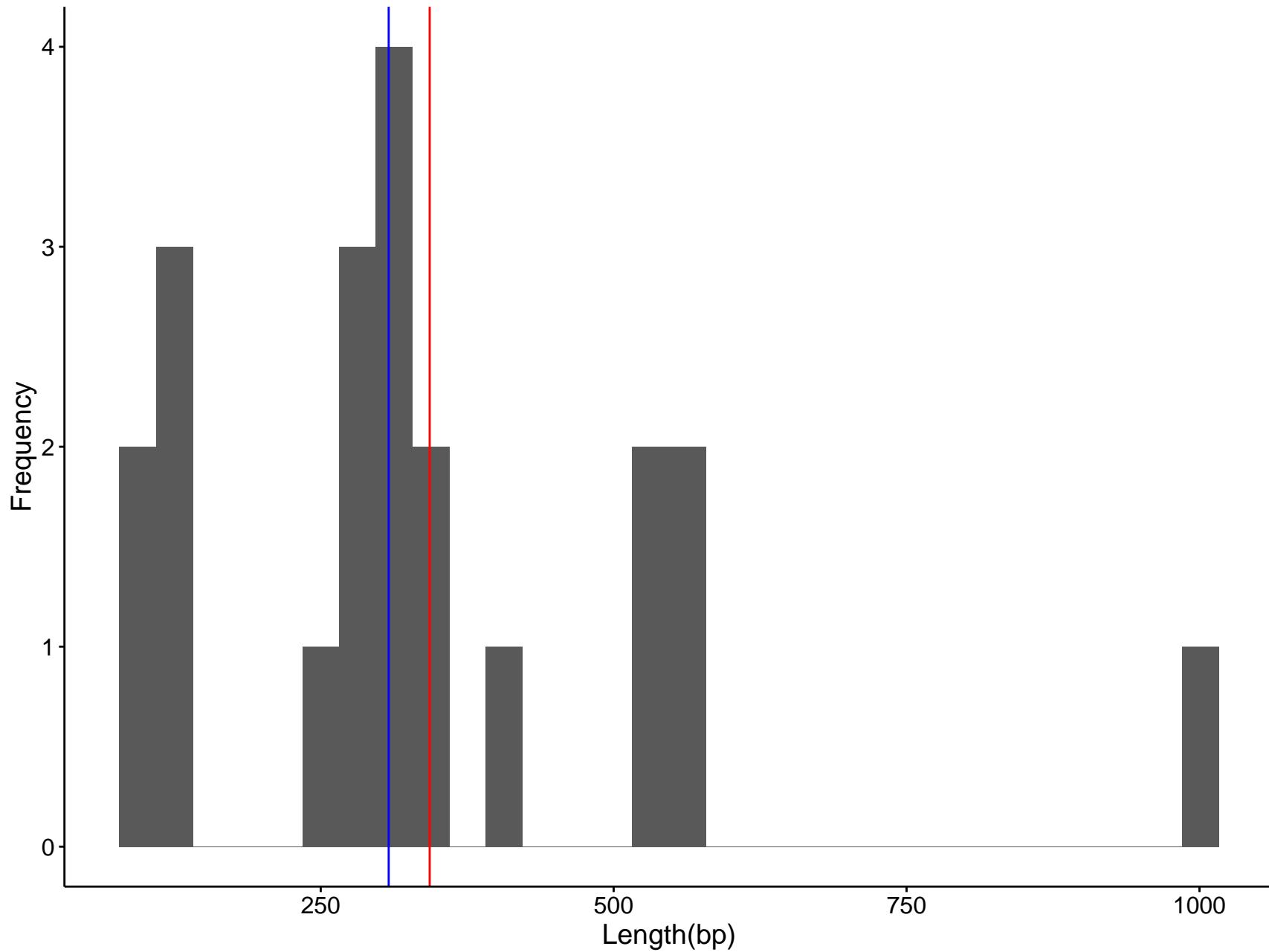
Cluster1522



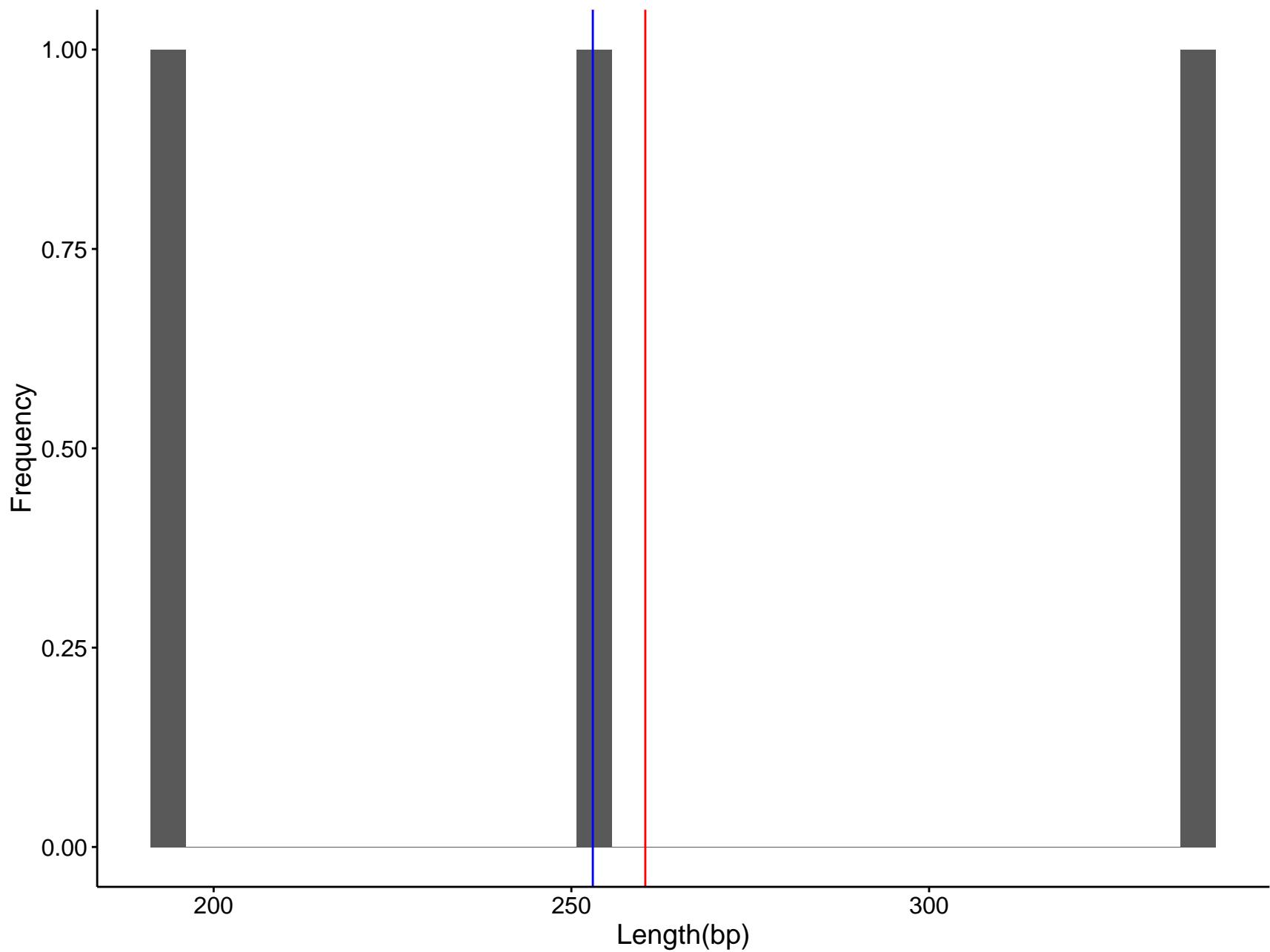
Cluster1523



Cluster1527



Cluster1529



Cluster1530

Frequency

219.950

219.975

220.000

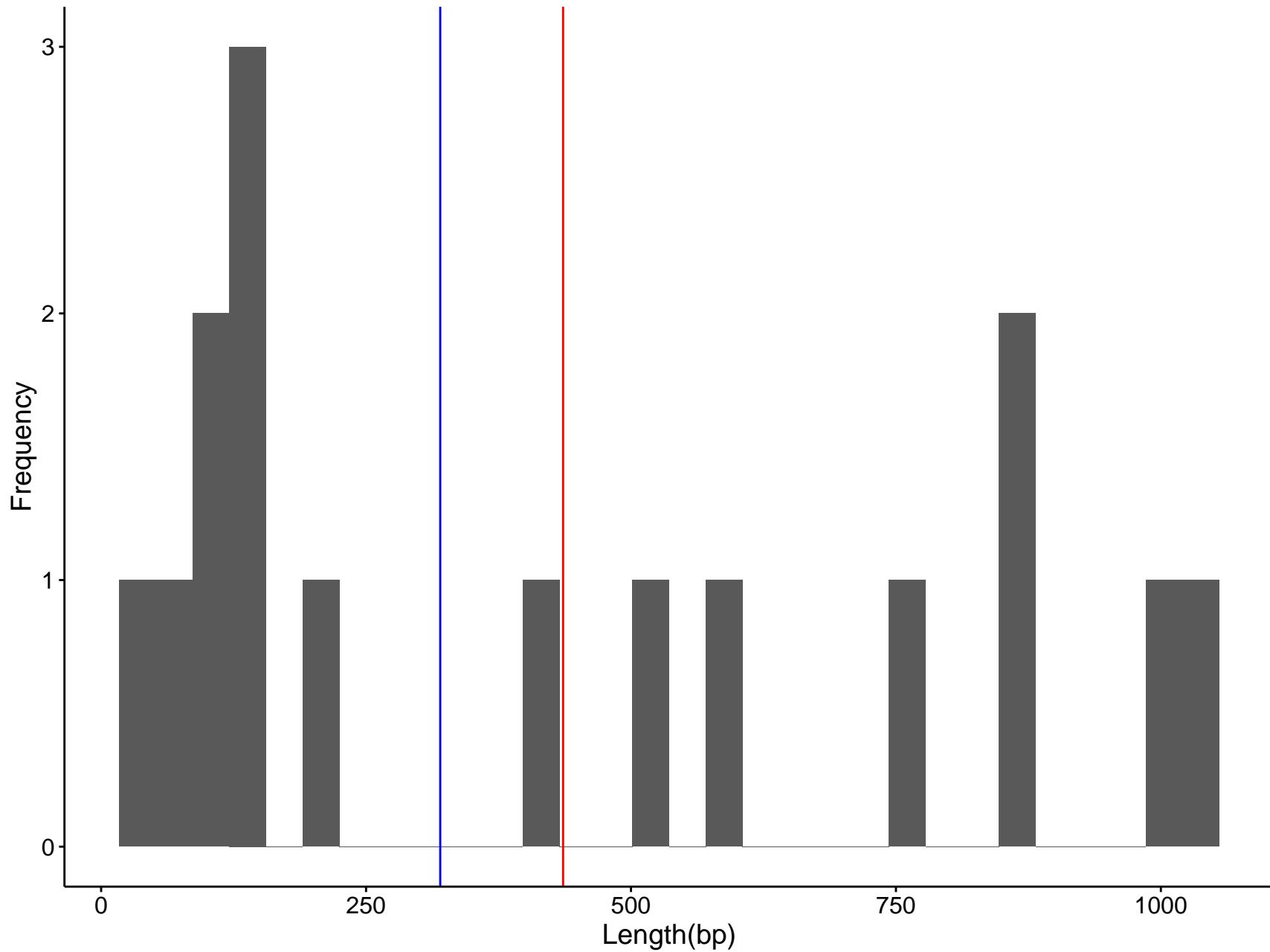
220.025

220.050

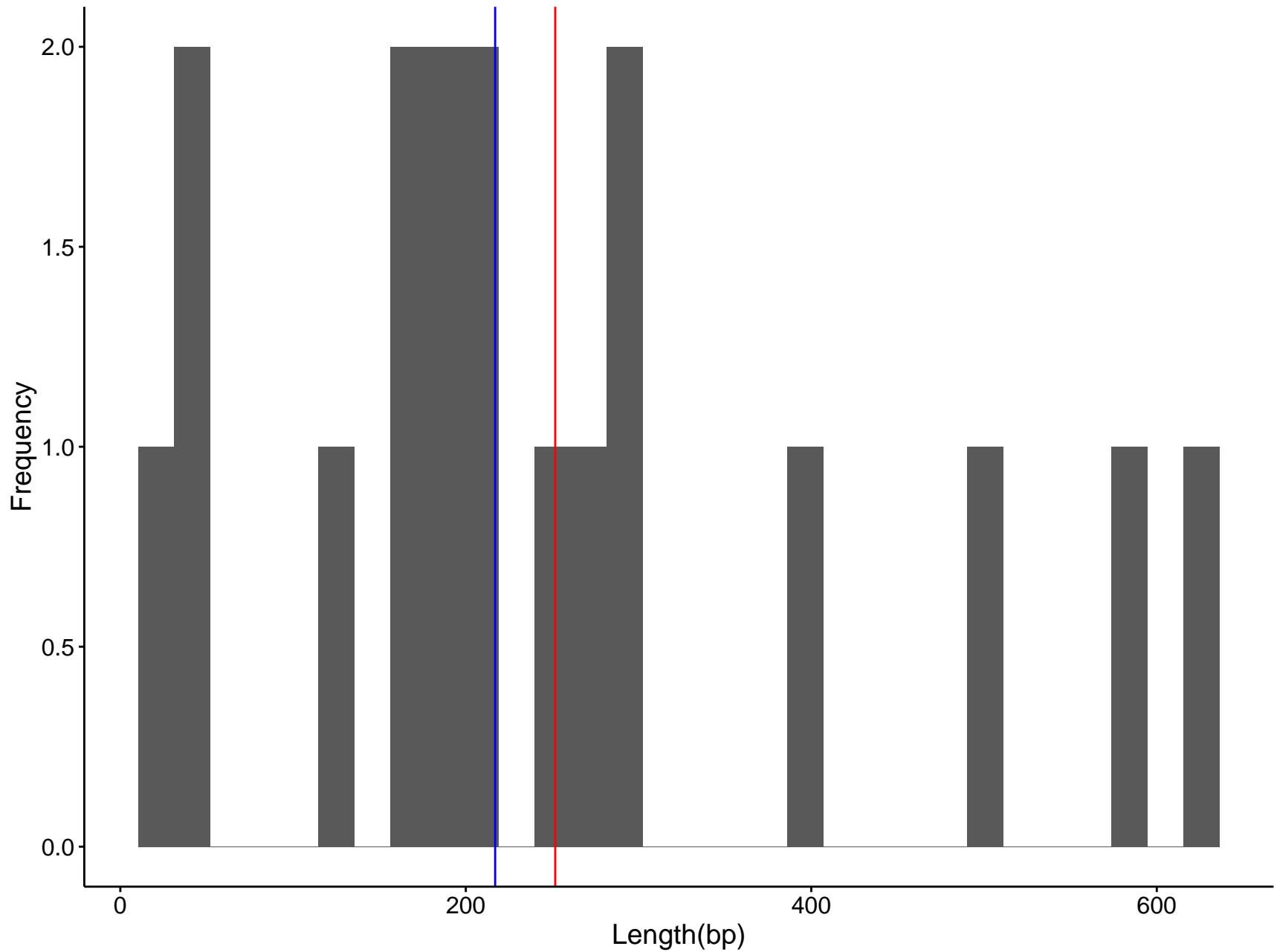
Length(bp)



Cluster1531



Cluster1533



# Cluster1535

Frequency

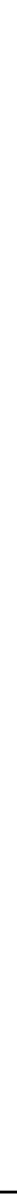
588.950

588.975

589.000

589.025

Length(bp)



# Cluster1536

Frequency

372.950

372.975

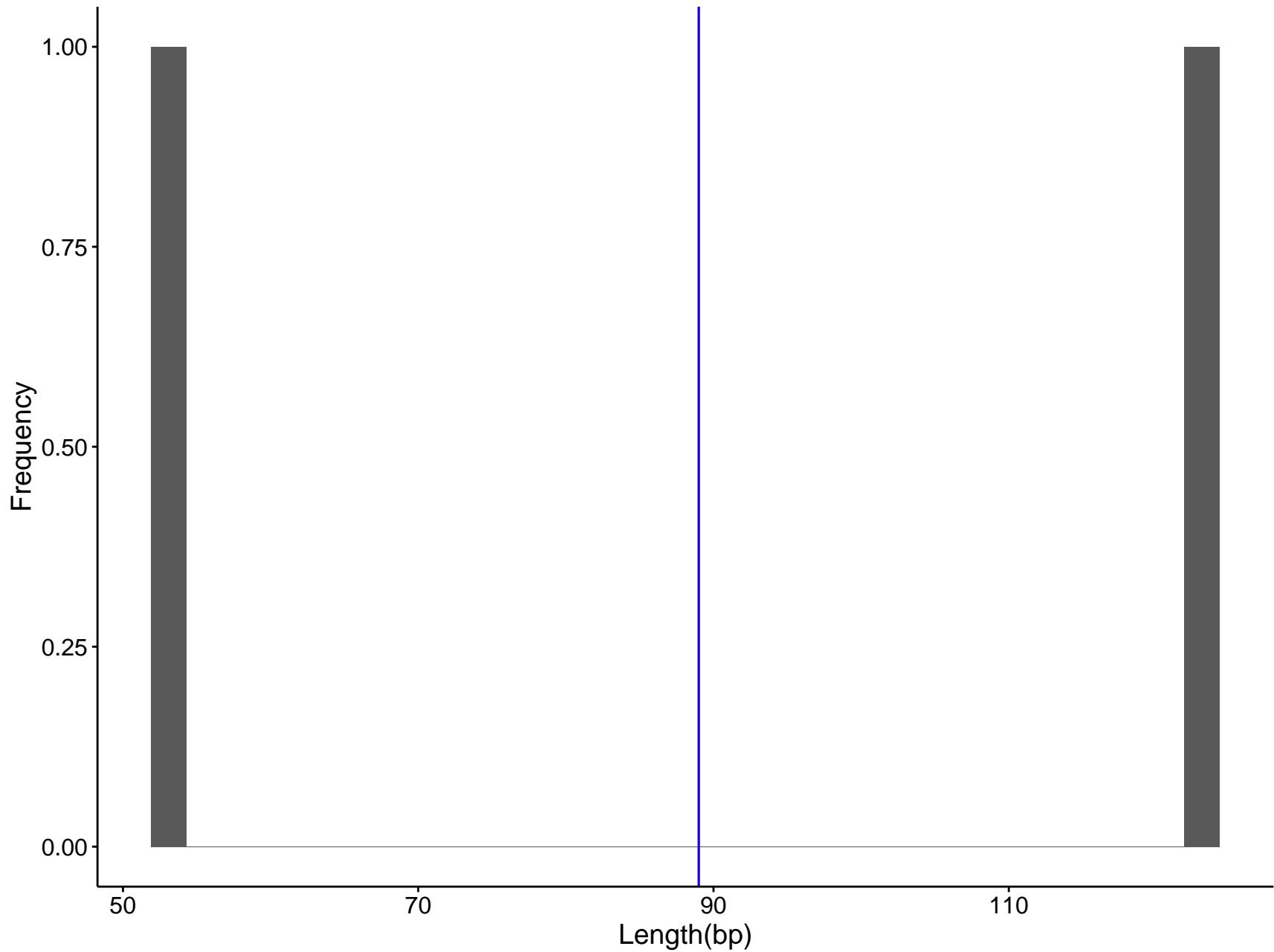
373.000

373.025

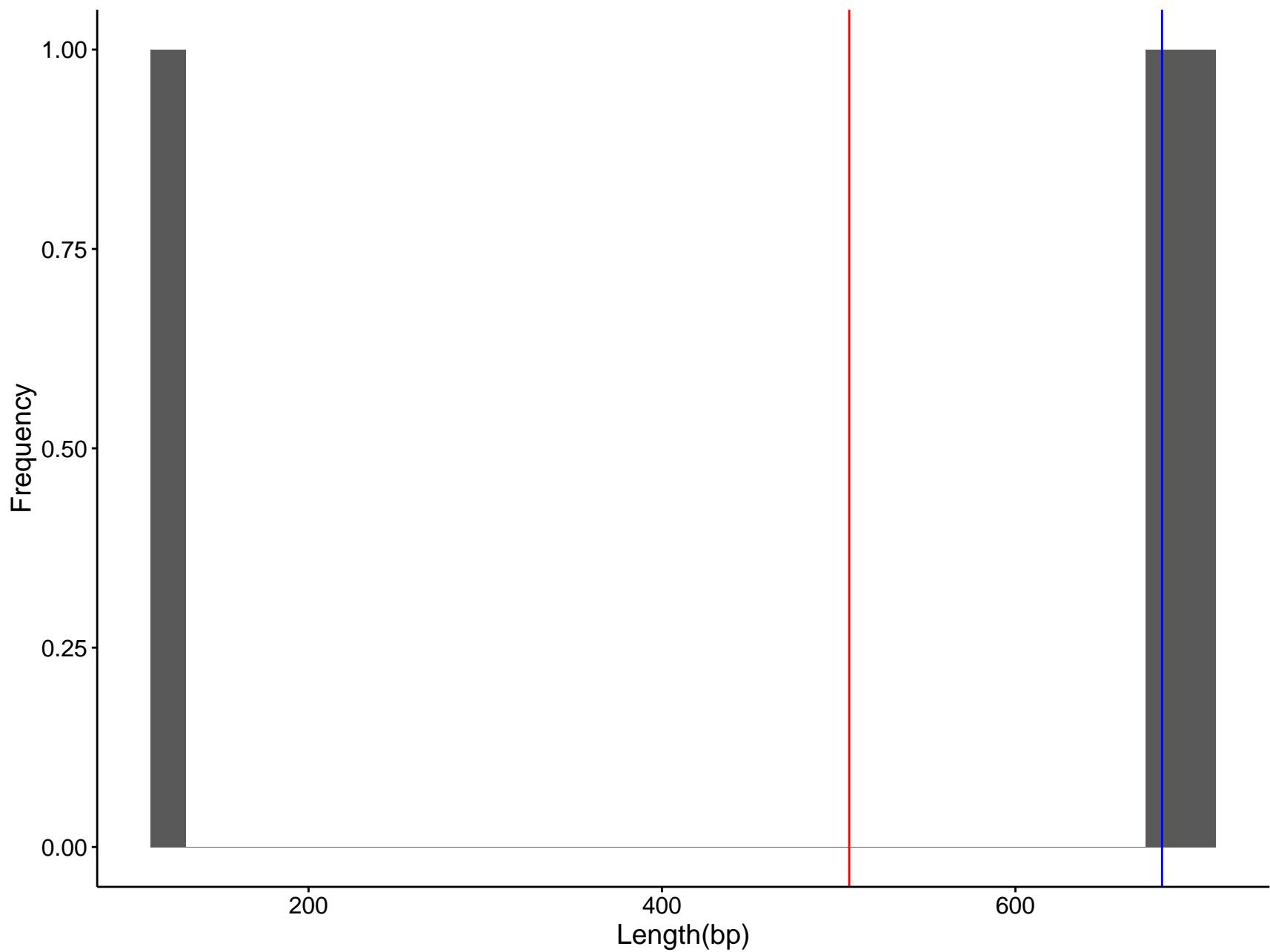
Length(bp)



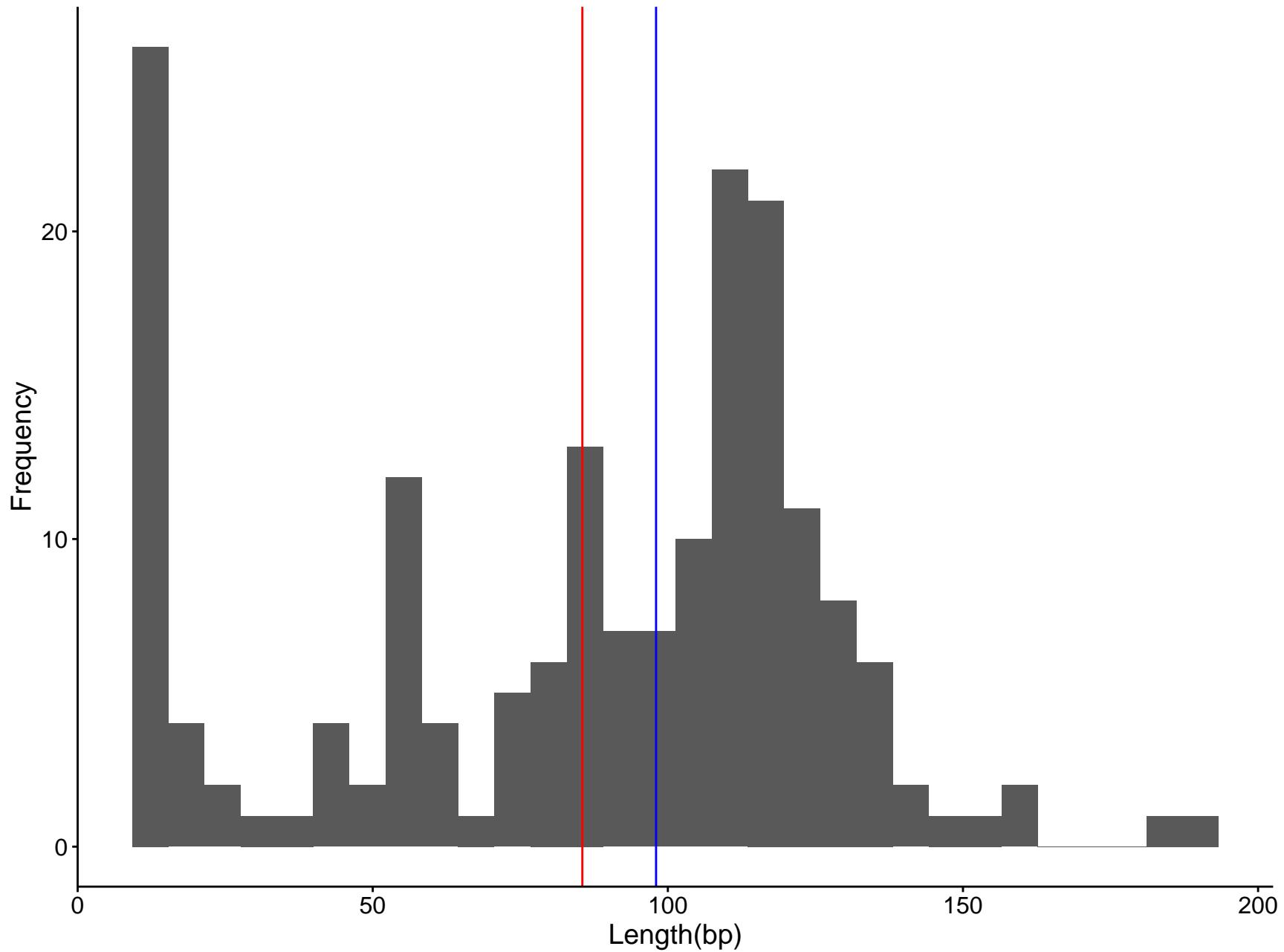
Cluster1537



Cluster1538



Cluster1541



# Cluster1542

Frequency

204.950

204.975

205.000

205.025

205.050

Length(bp)



Cluster1544

Frequency

297.950

297.975

298.000

298.025

298.050

Length(bp)



Cluster1545

Frequency

436.950

436.975

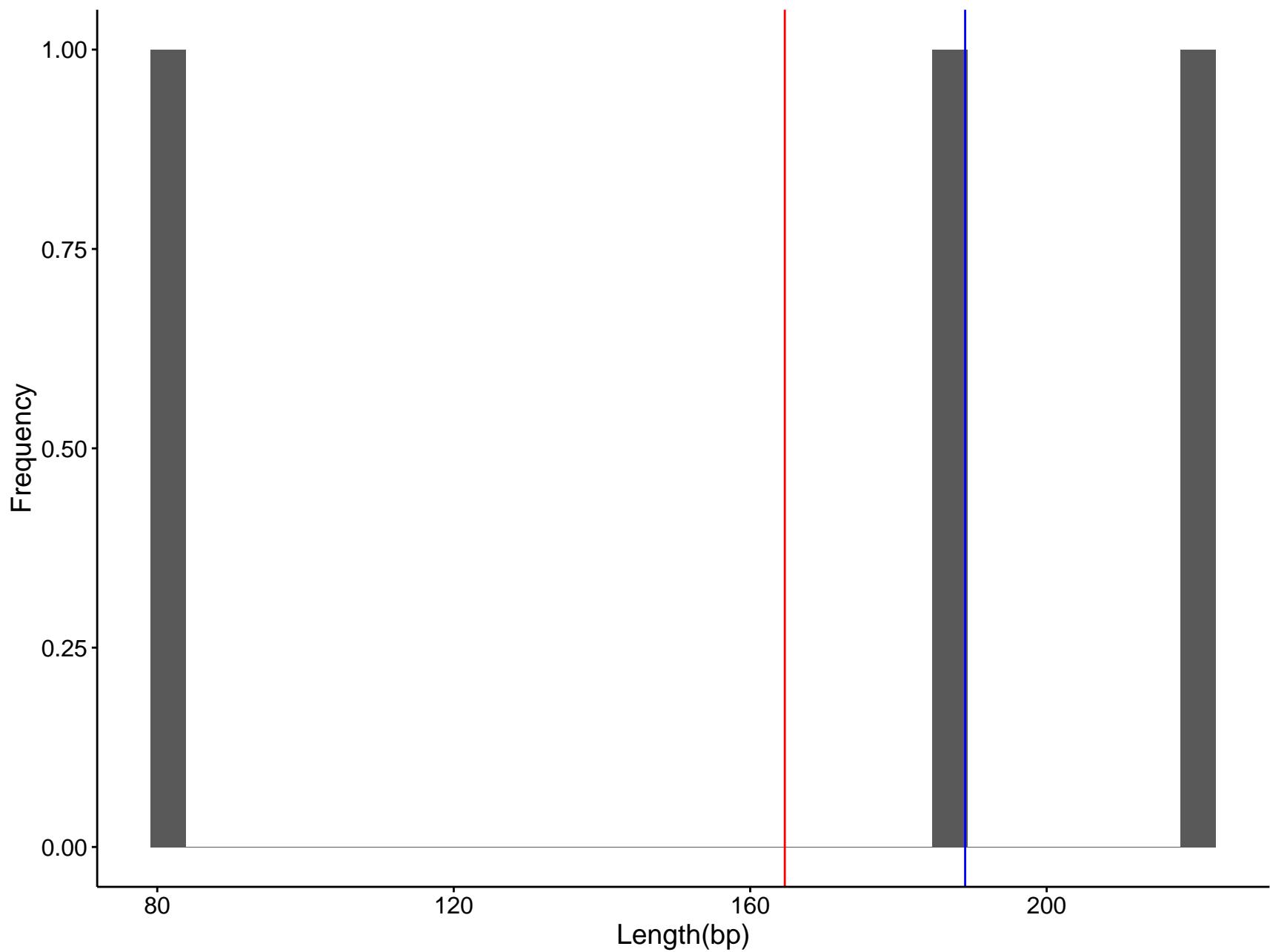
437.000

437.025

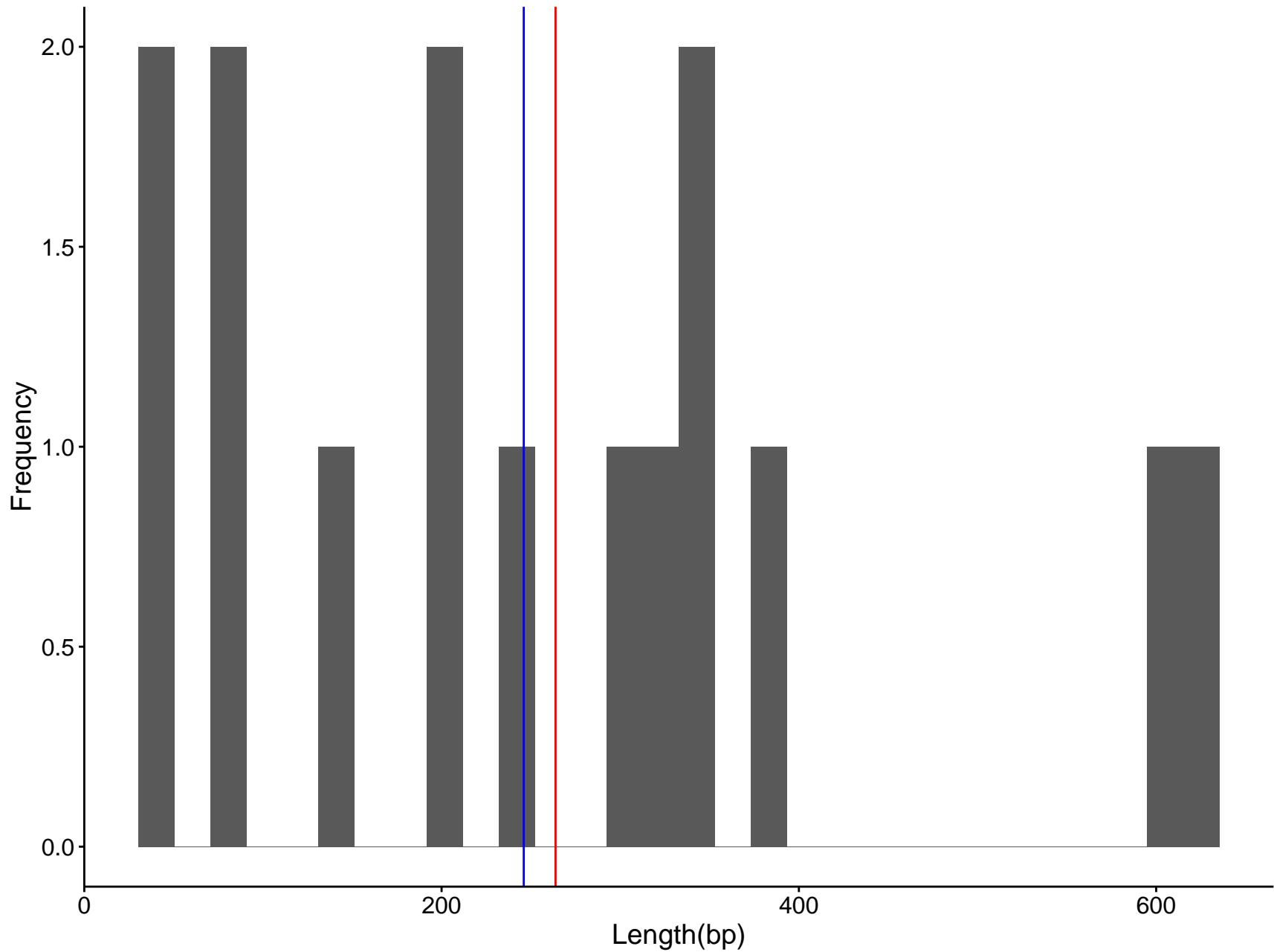
Length(bp)



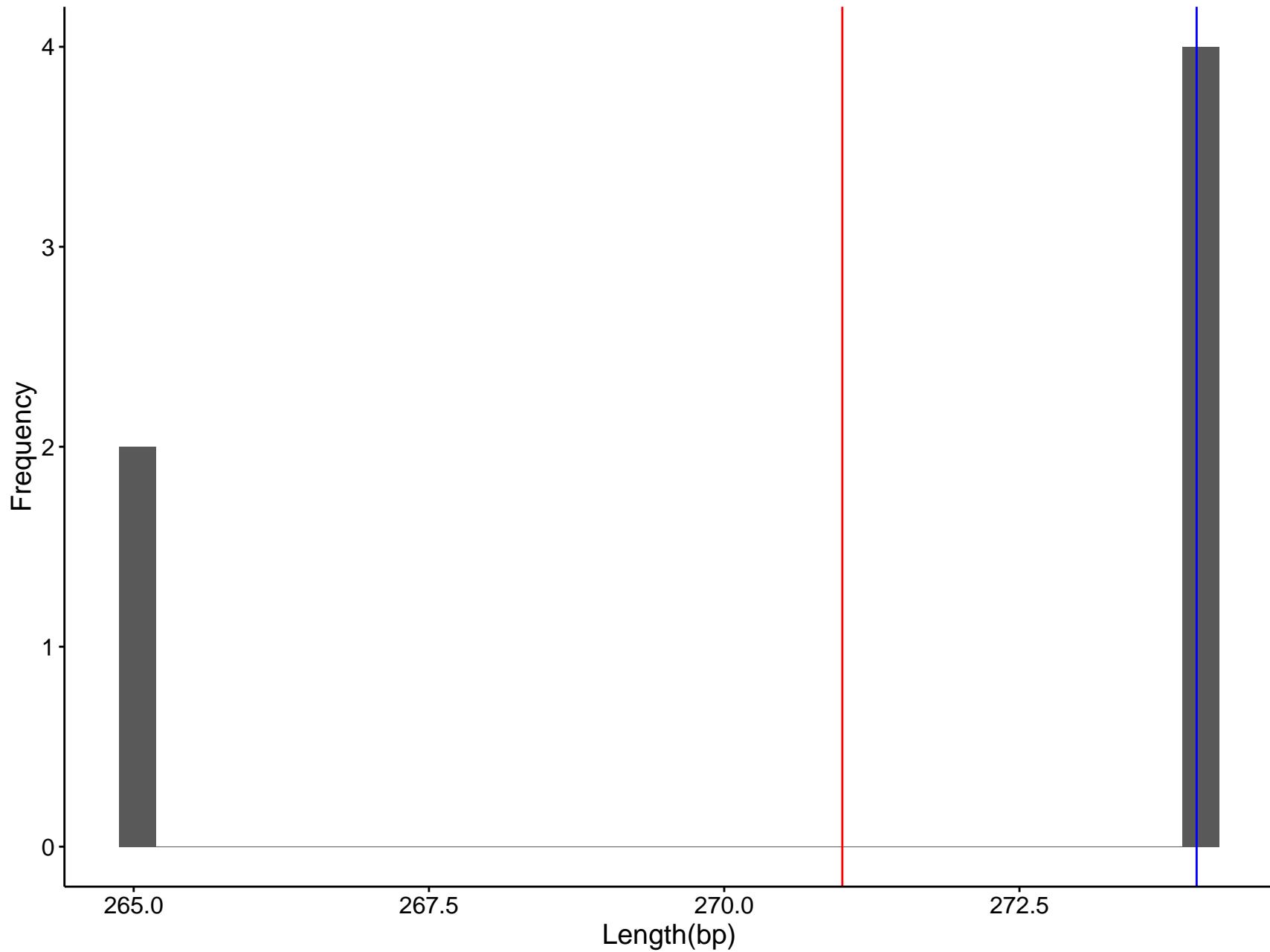
Cluster1546



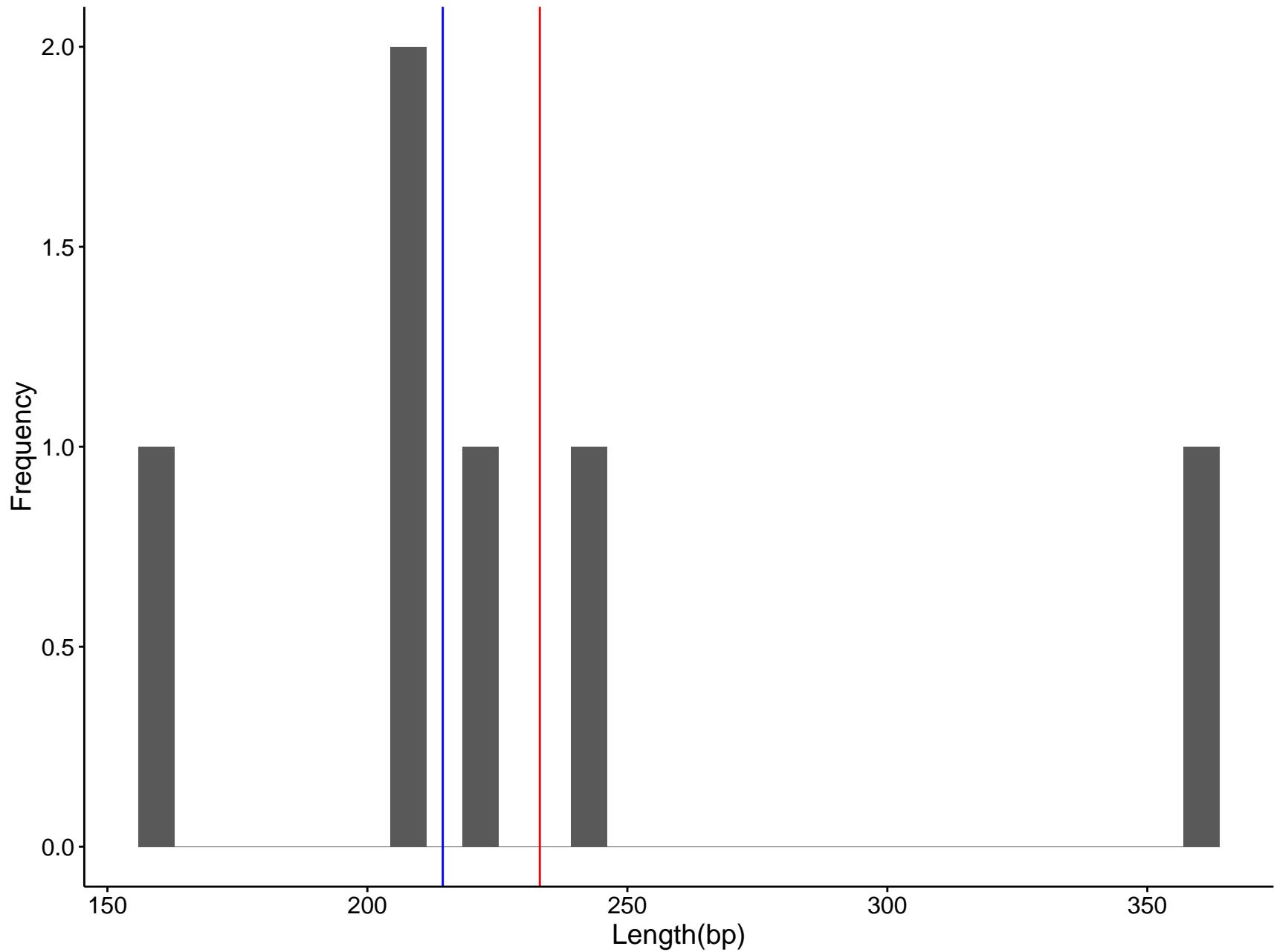
Cluster1548



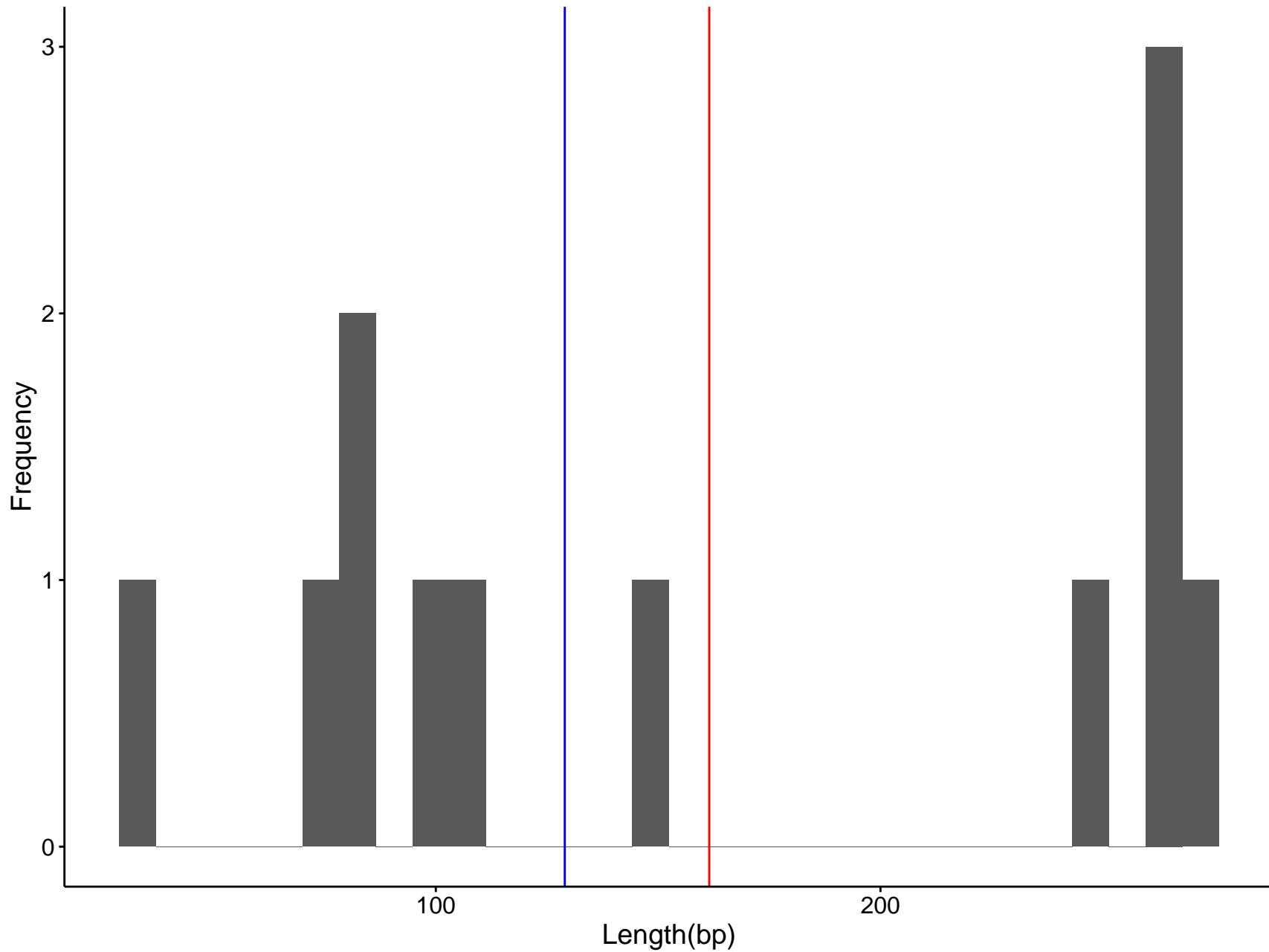
# Cluster154



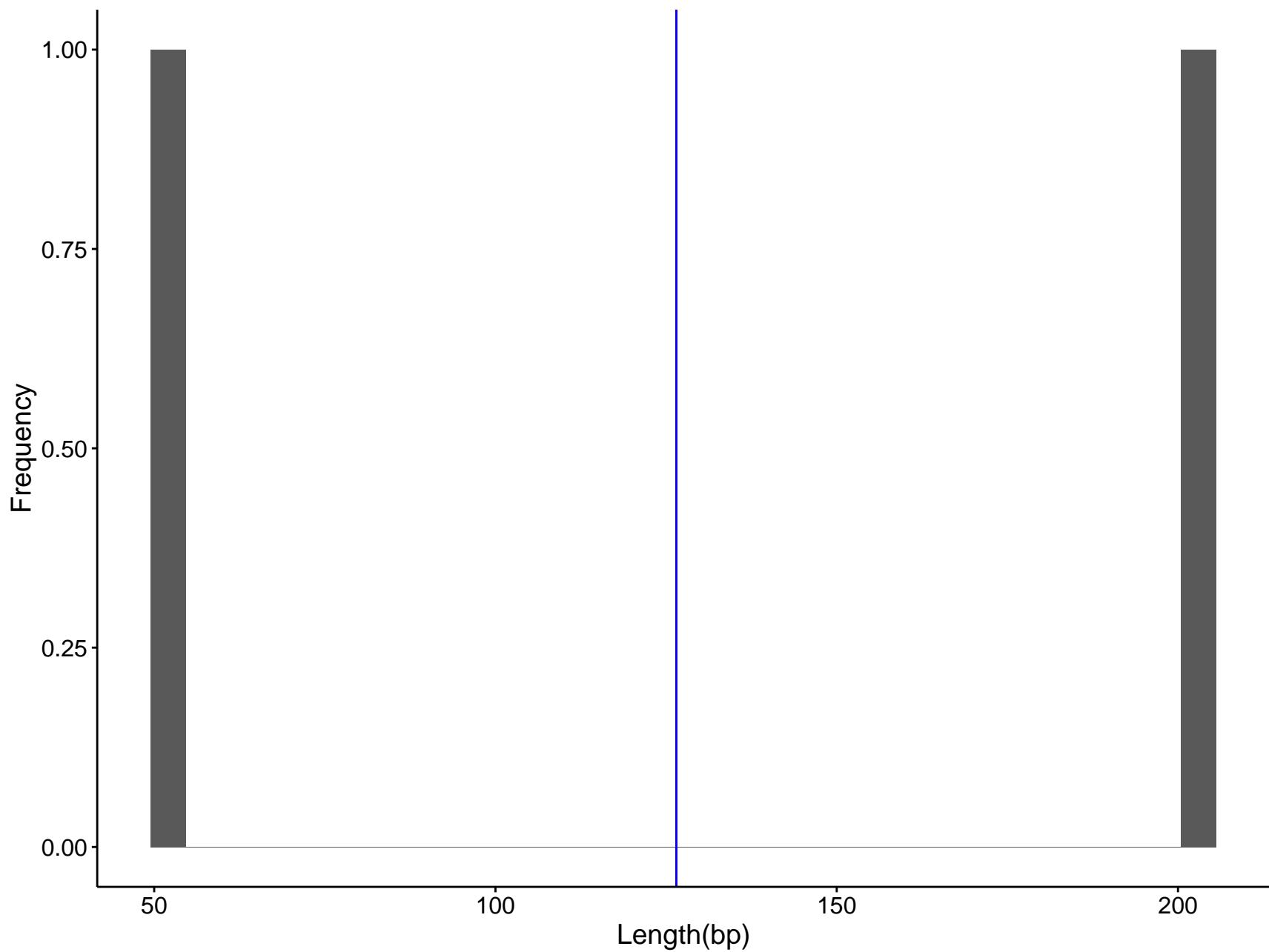
Cluster1550



Cluster1551



Cluster1552



# Cluster1554

Frequency

40.950

40.975

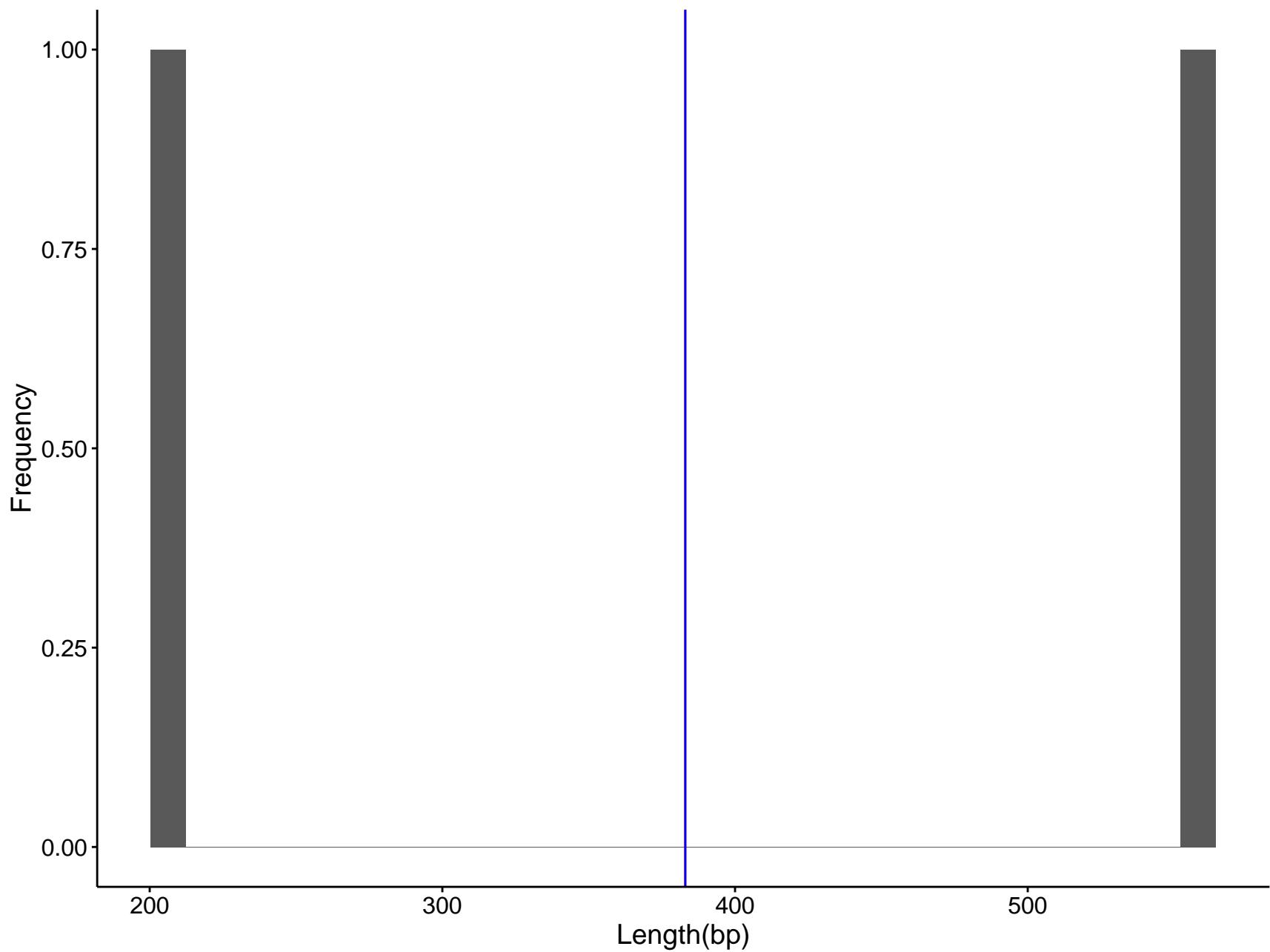
41.000

41.025

Length(bp)



Cluster1555



# Cluster1557

Frequency

285.950

285.975

286.000

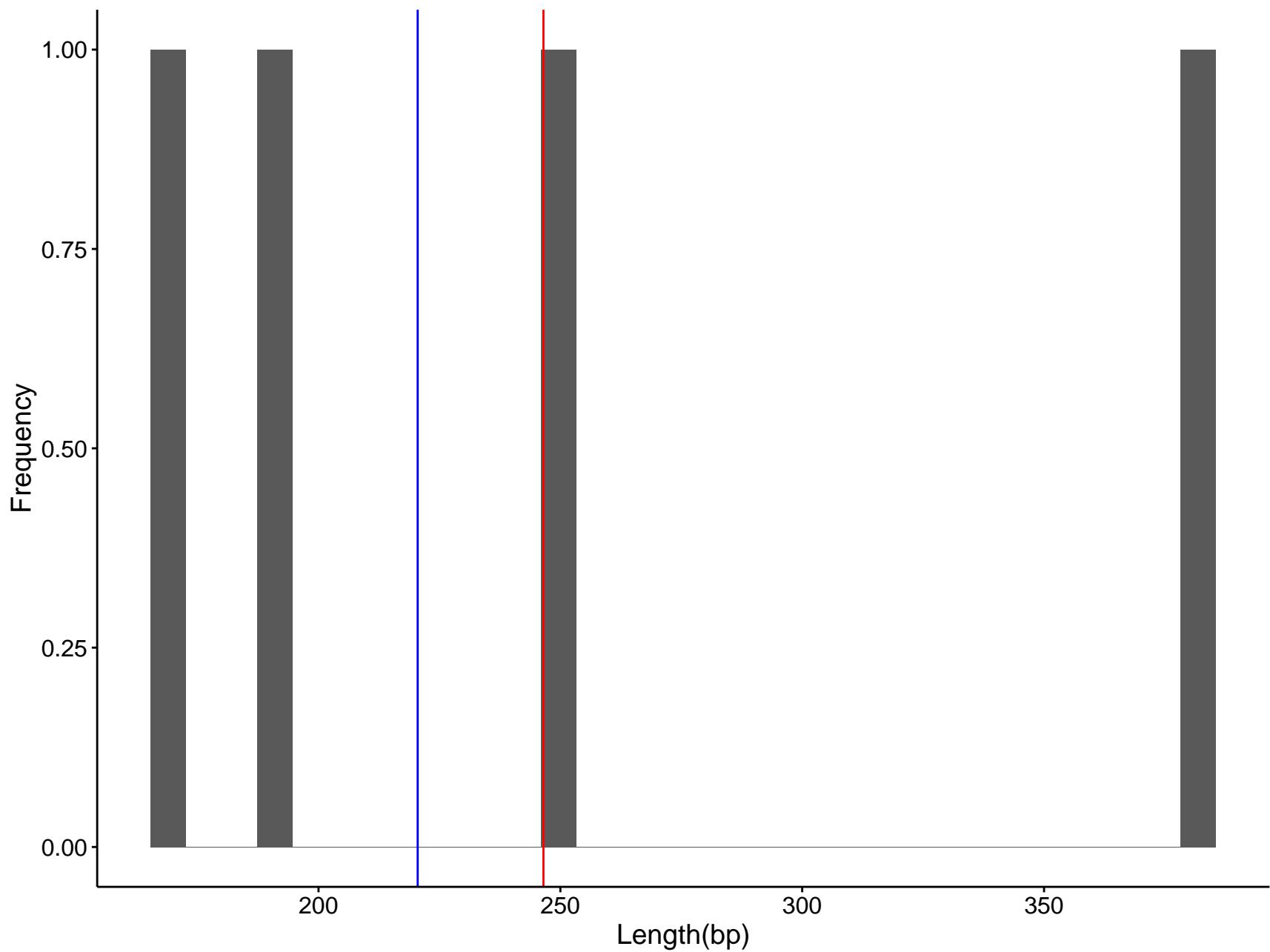
286.025

286.050

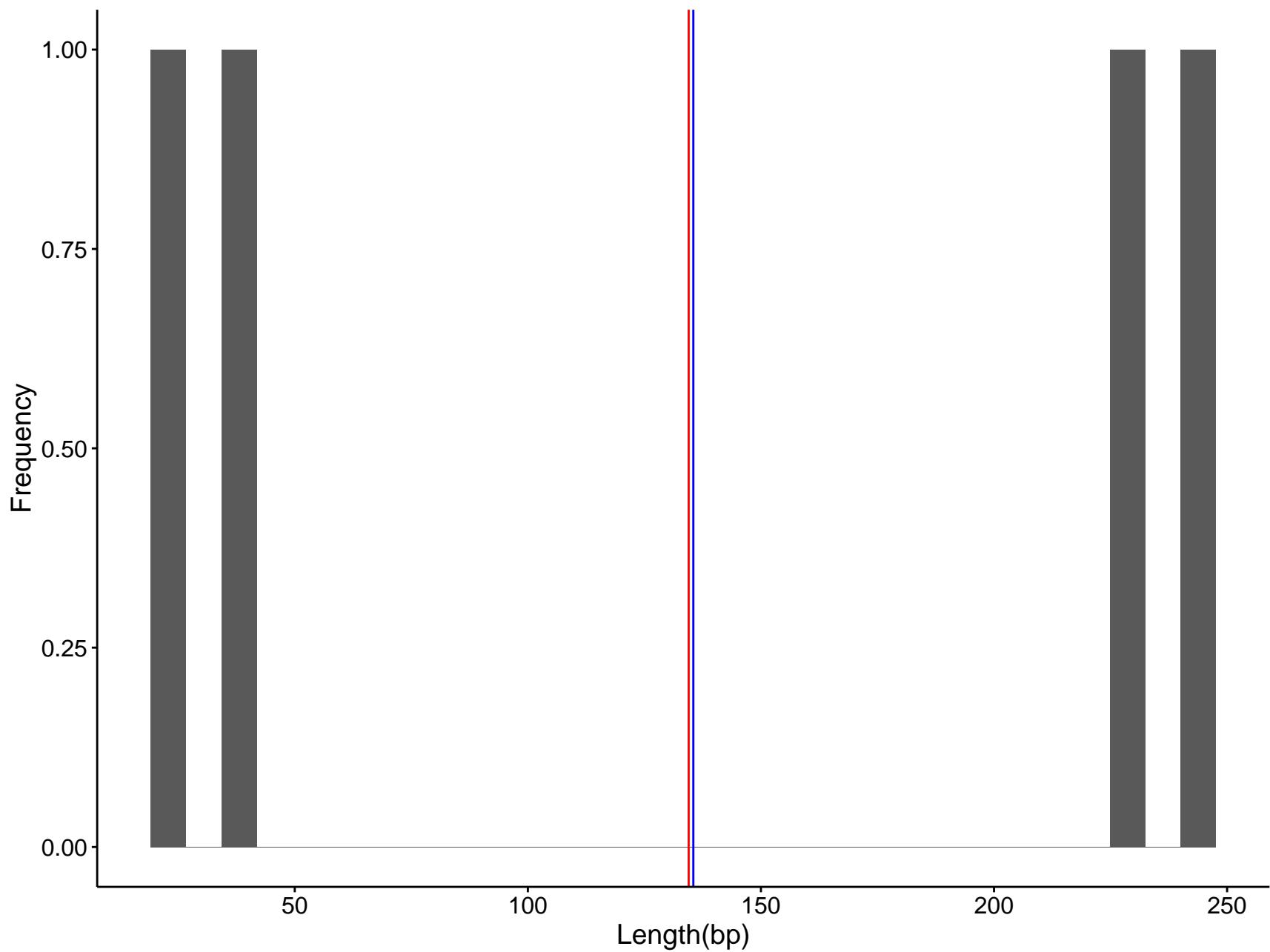
Length(bp)



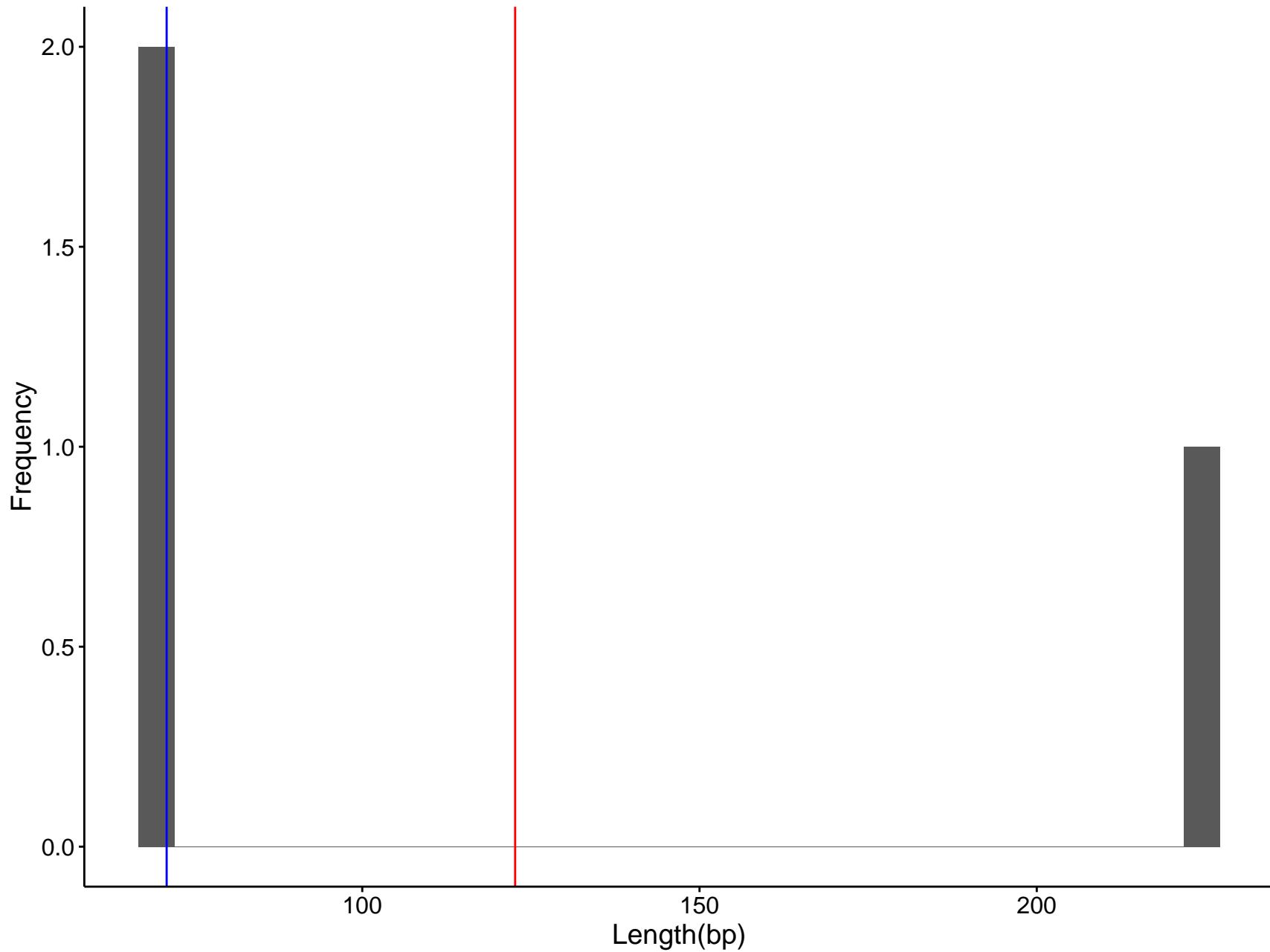
Cluster1558



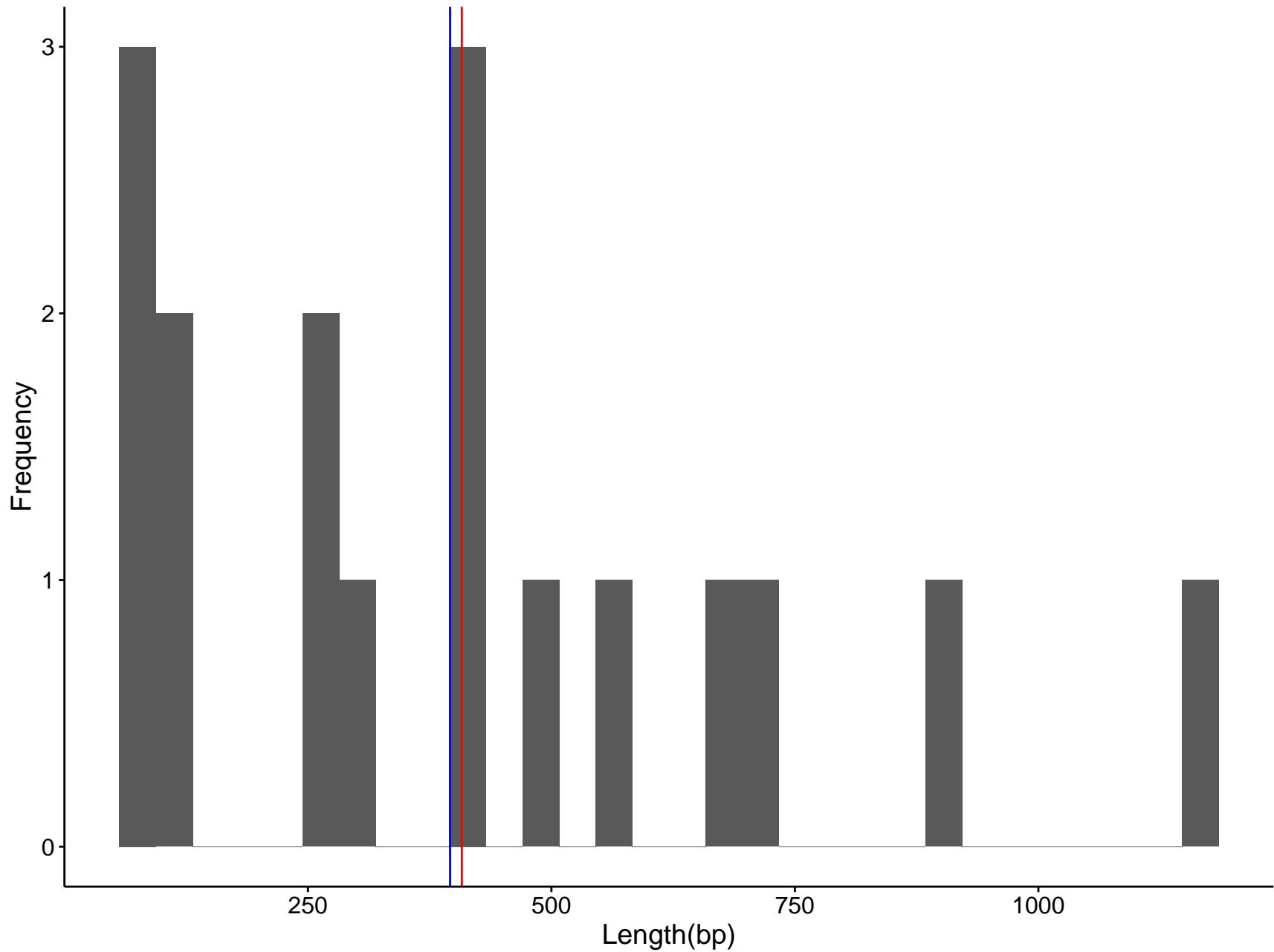
Cluster1559



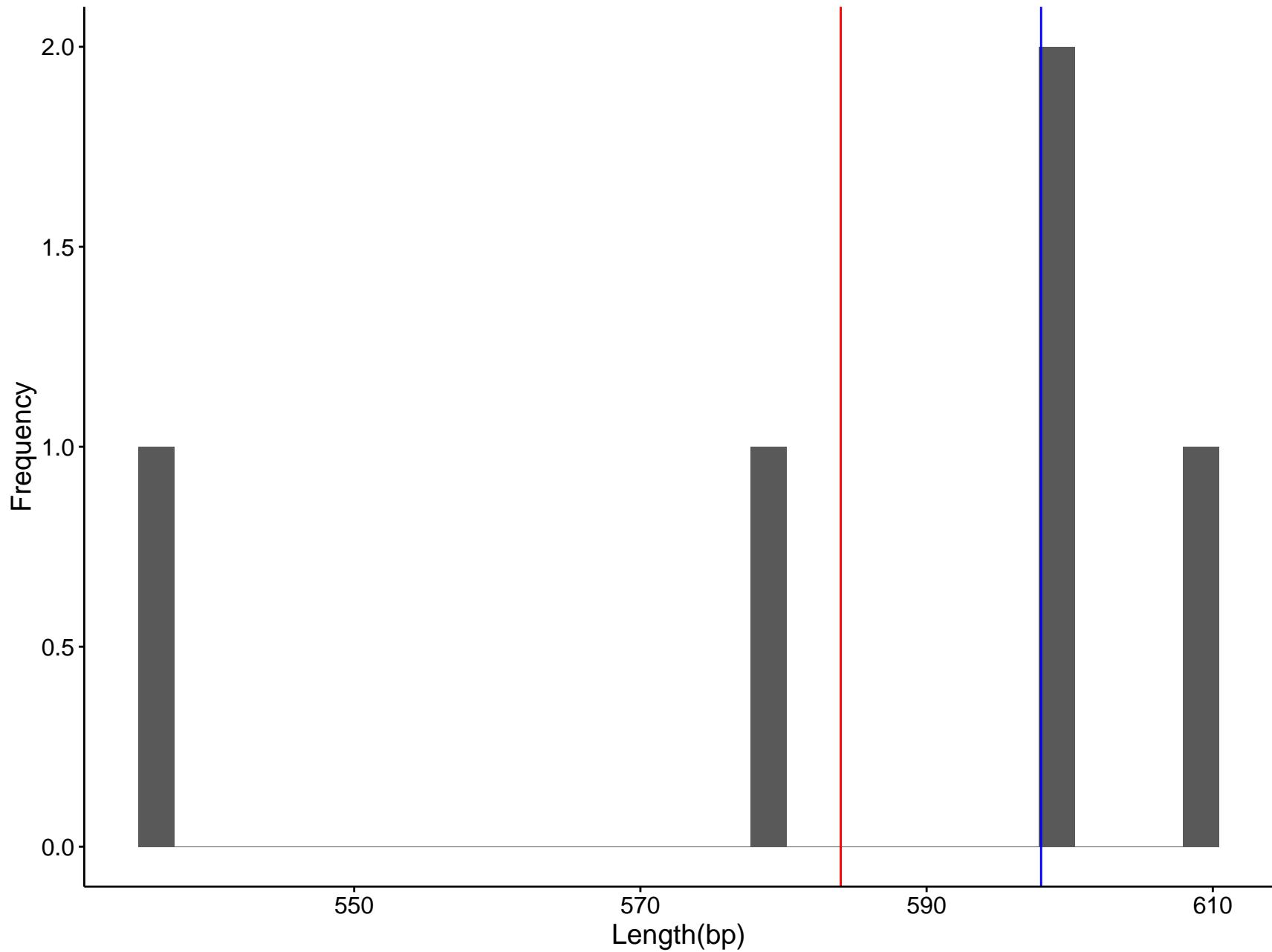
Cluster155



Cluster1561



Cluster1562



# Cluster1564

Frequency

36.950

36.975

37.000

37.025

Length(bp)



# Cluster1566

Frequency

526.950

526.975

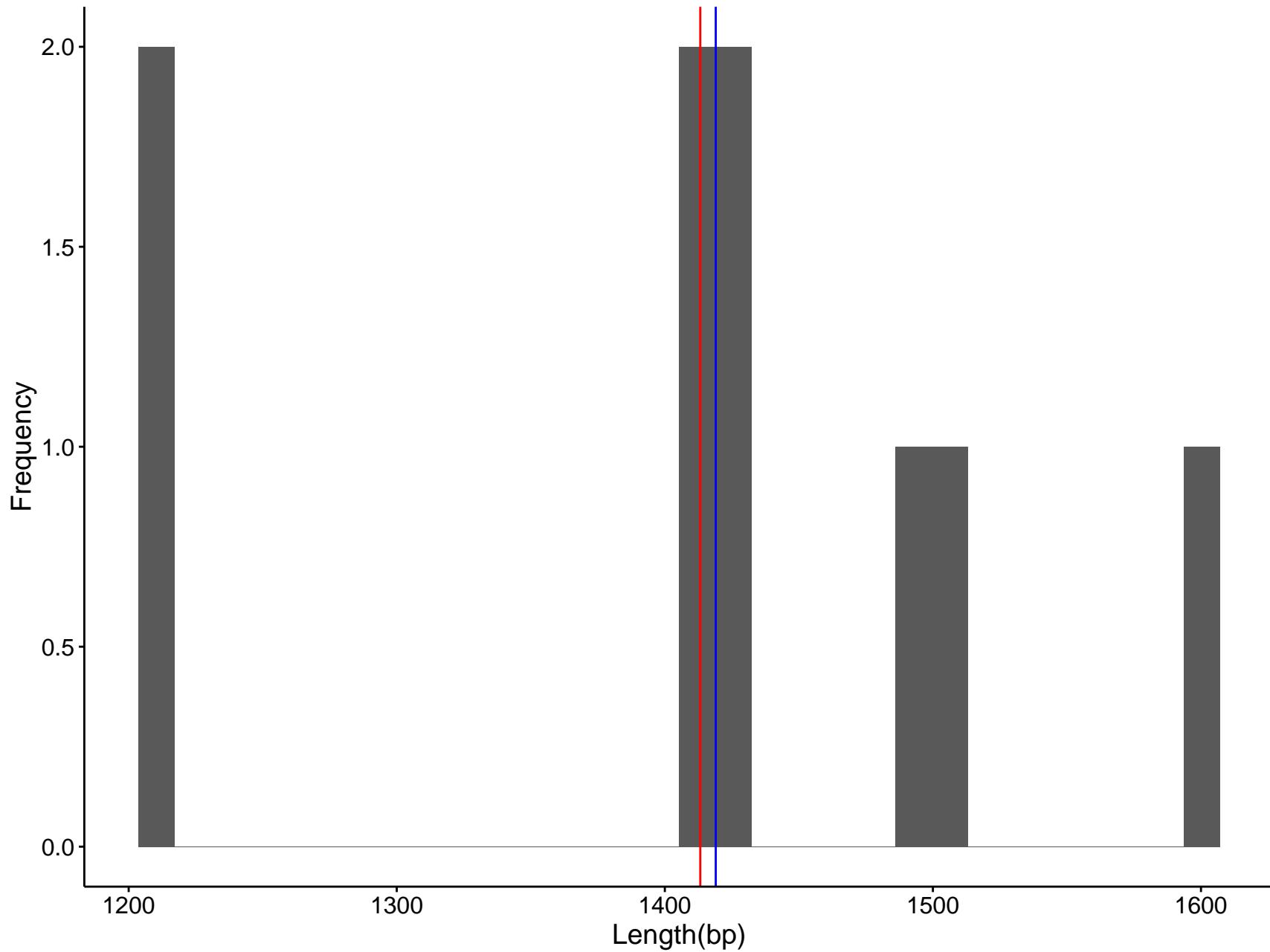
527.000

527.025

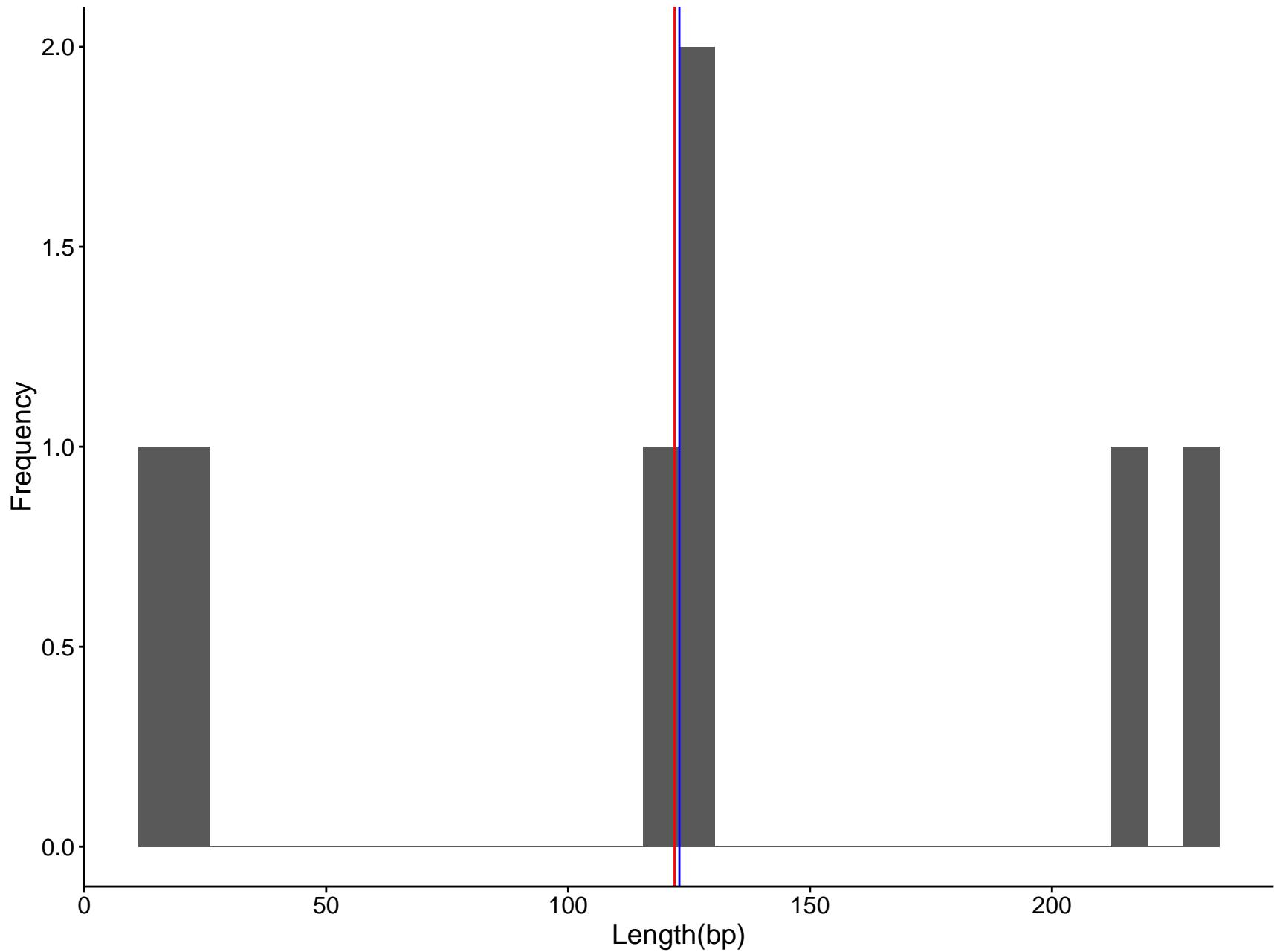
Length(bp)



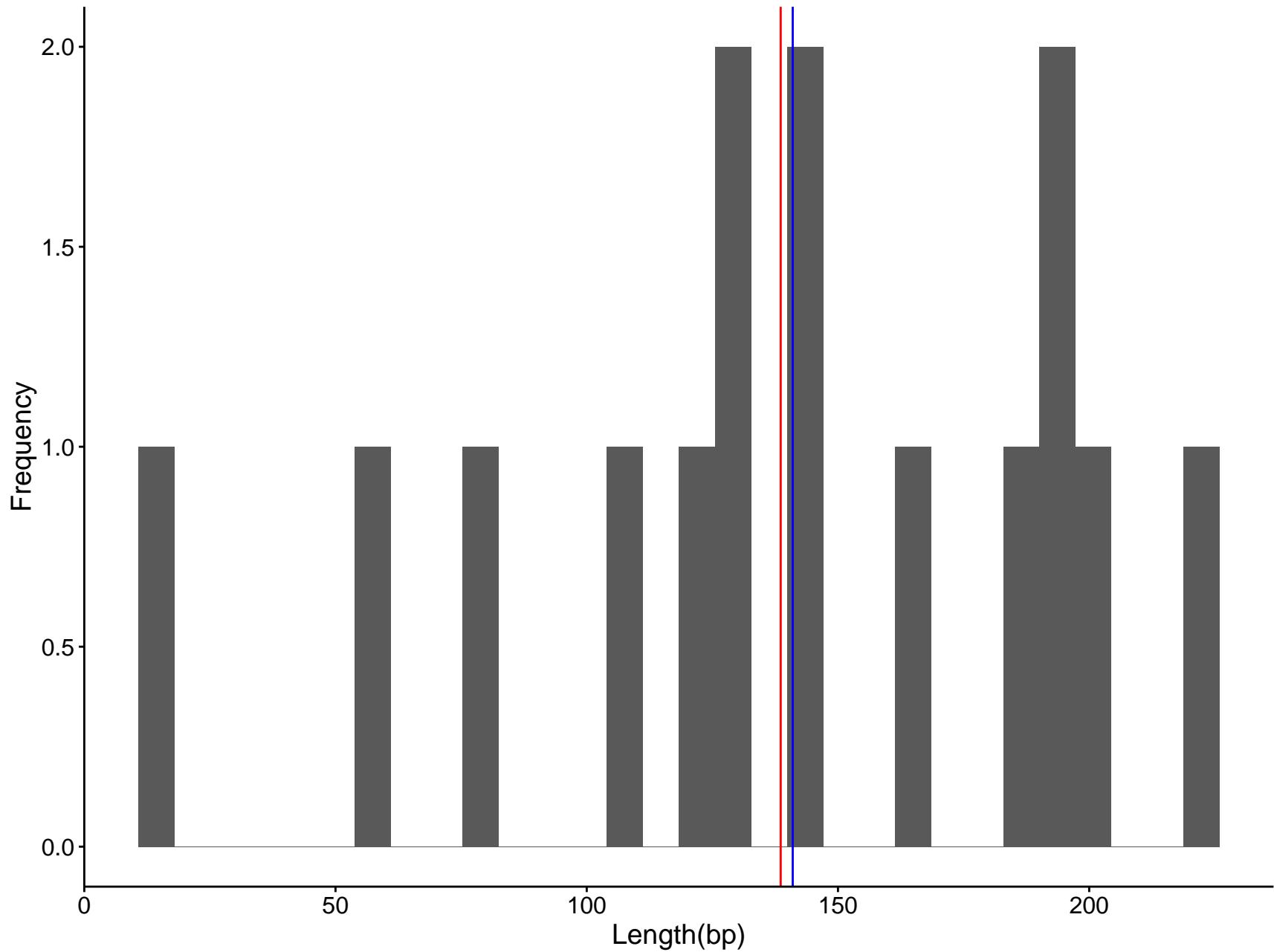
Cluster156



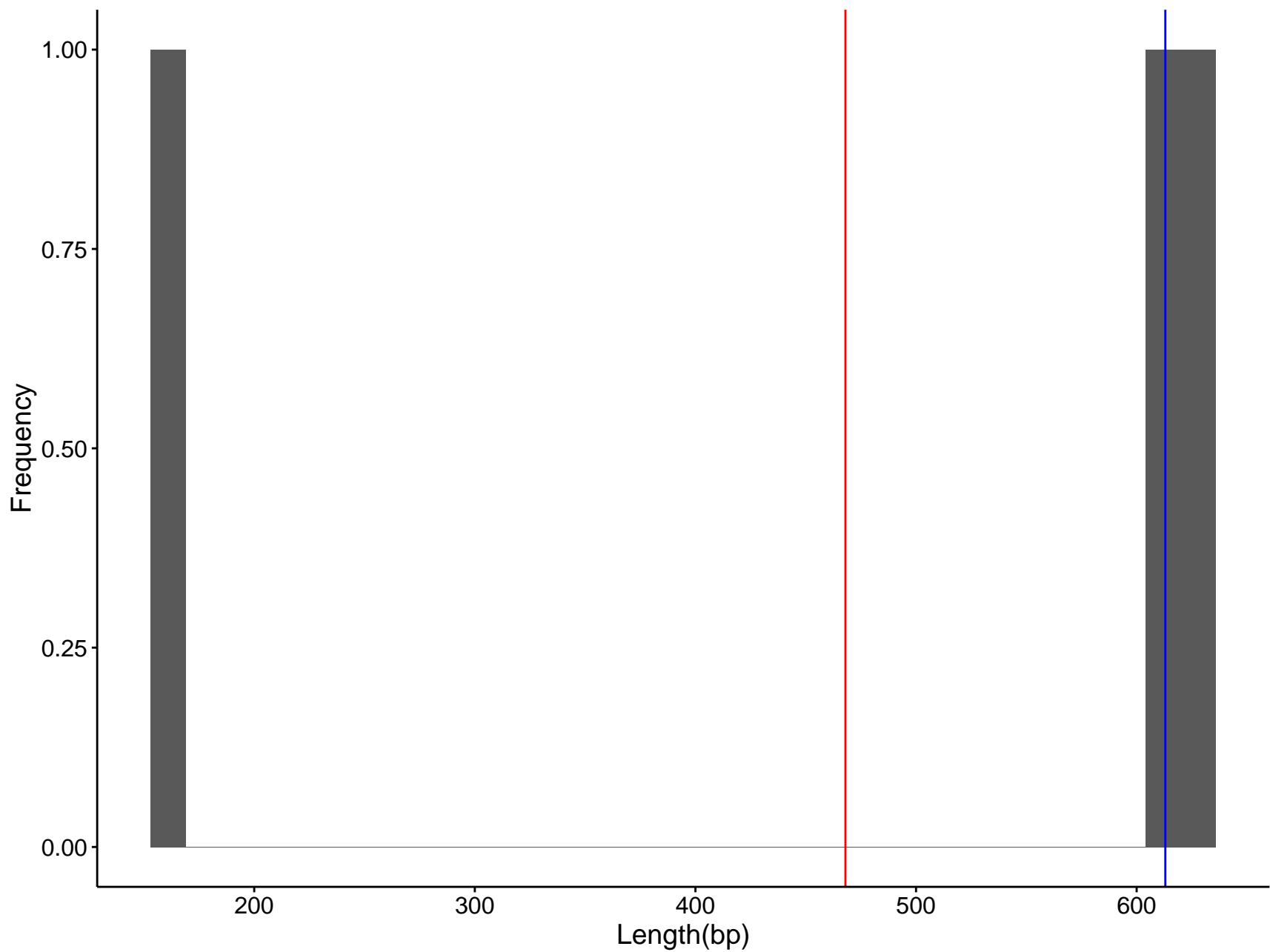
Cluster1573



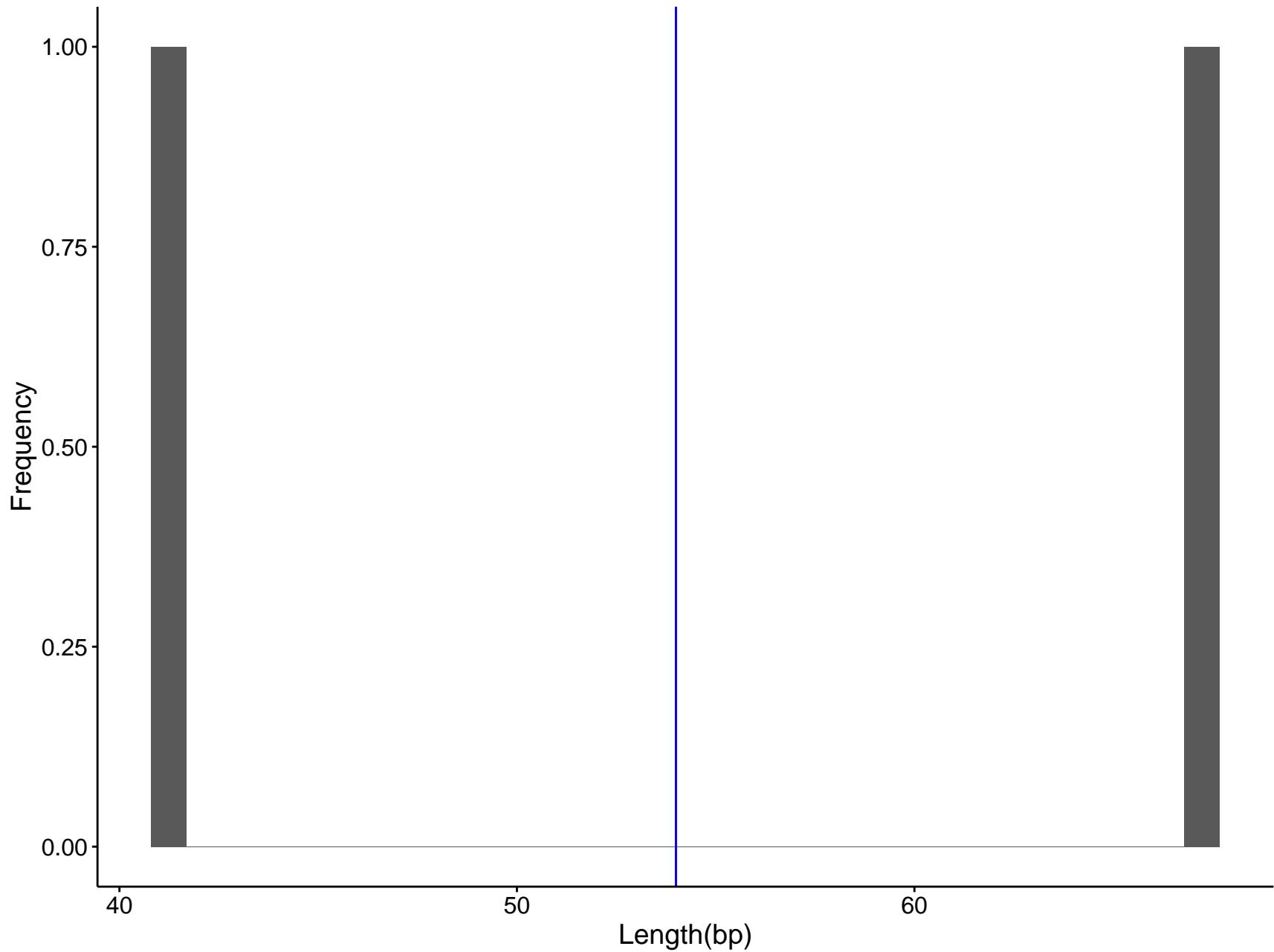
Cluster1575



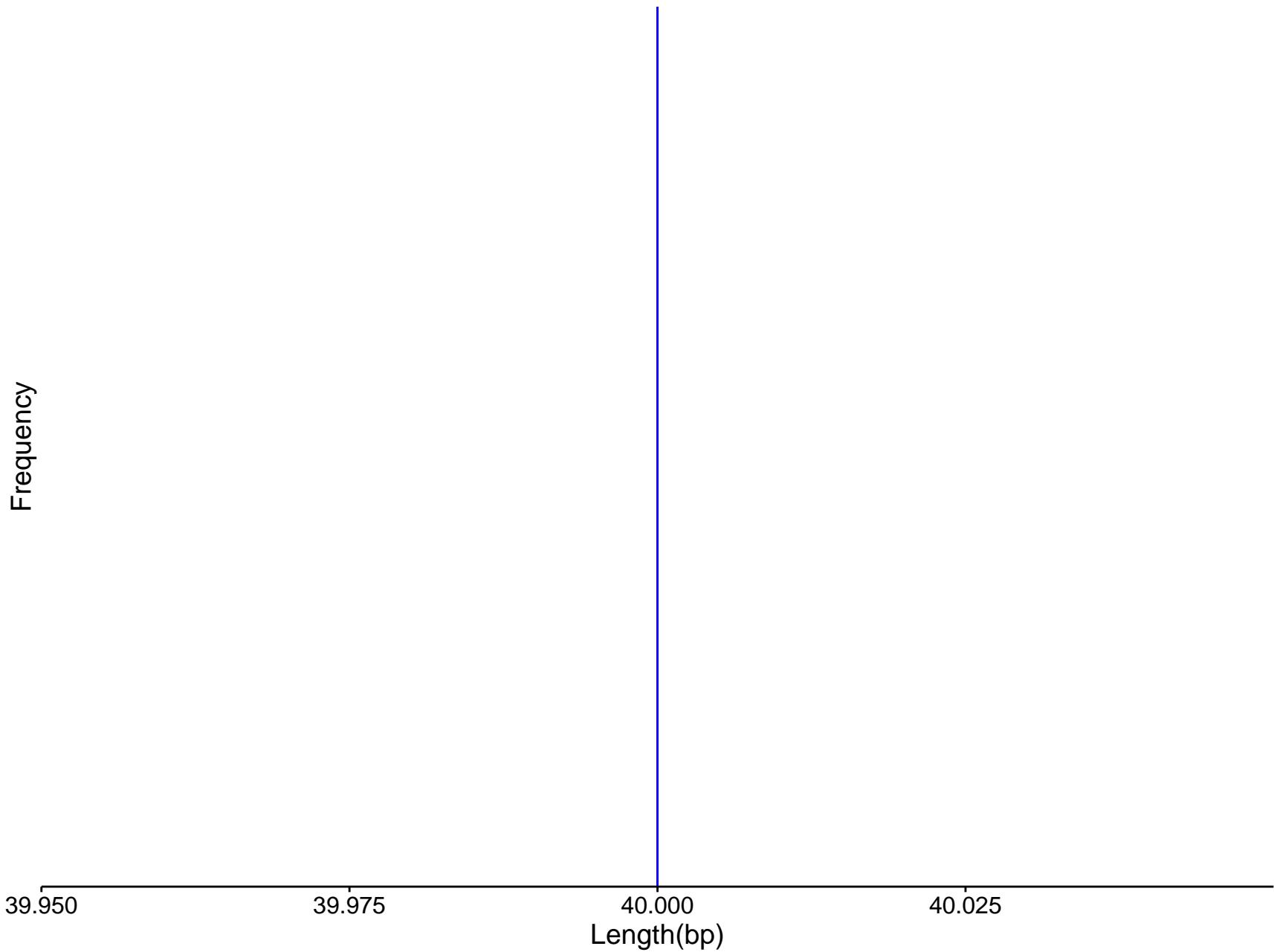
Cluster1577



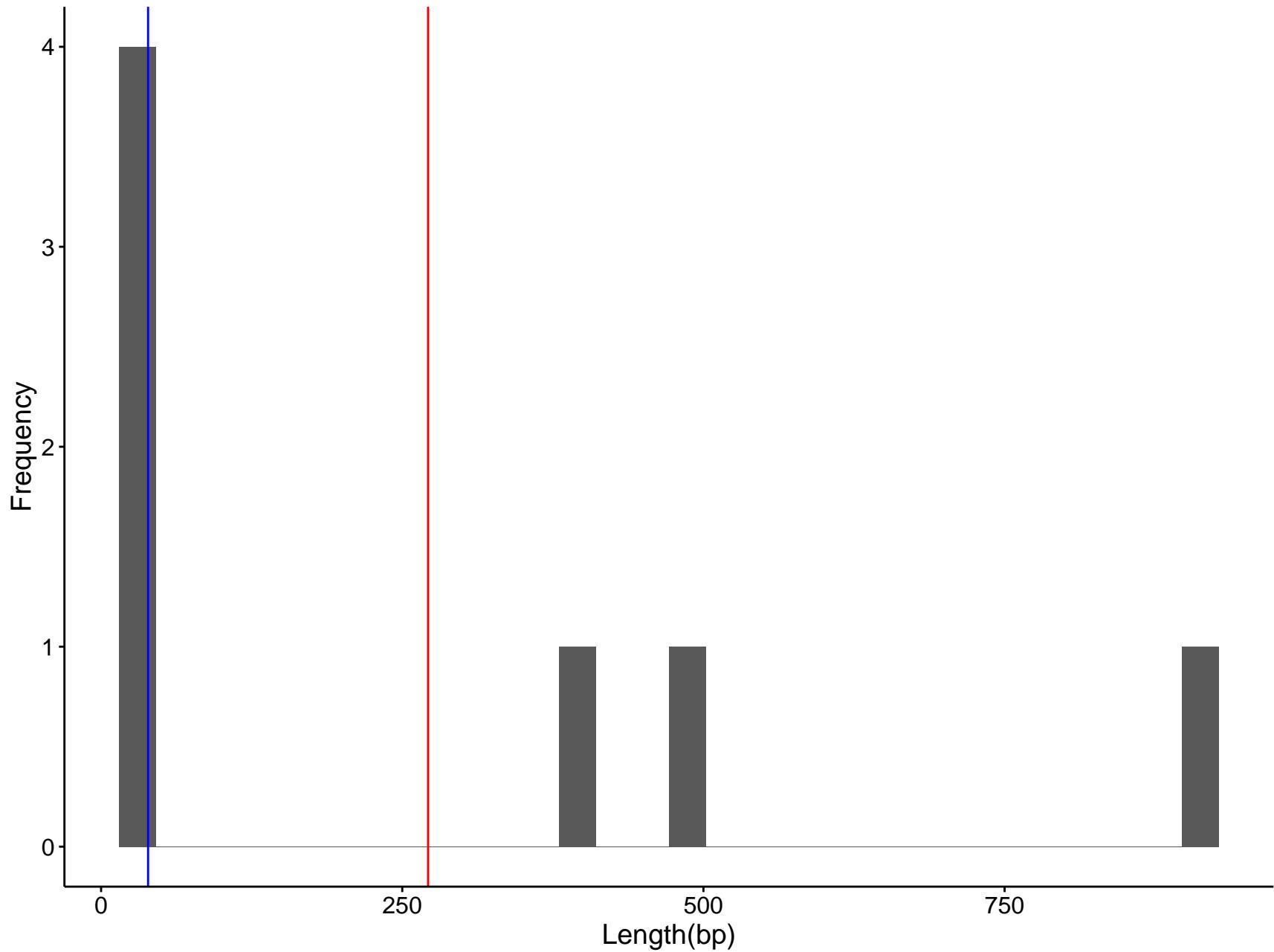
Cluster1580



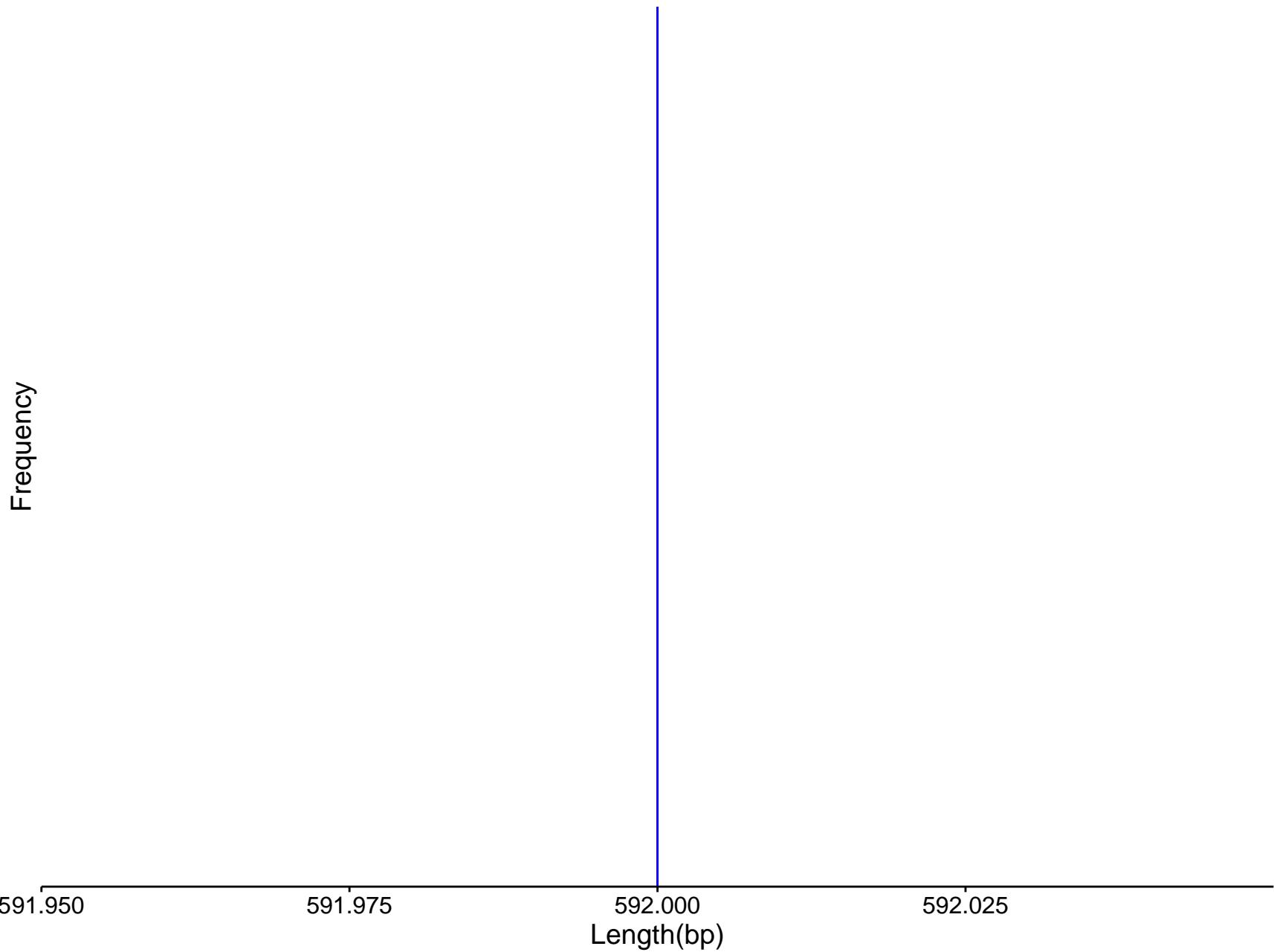
# Cluster1585



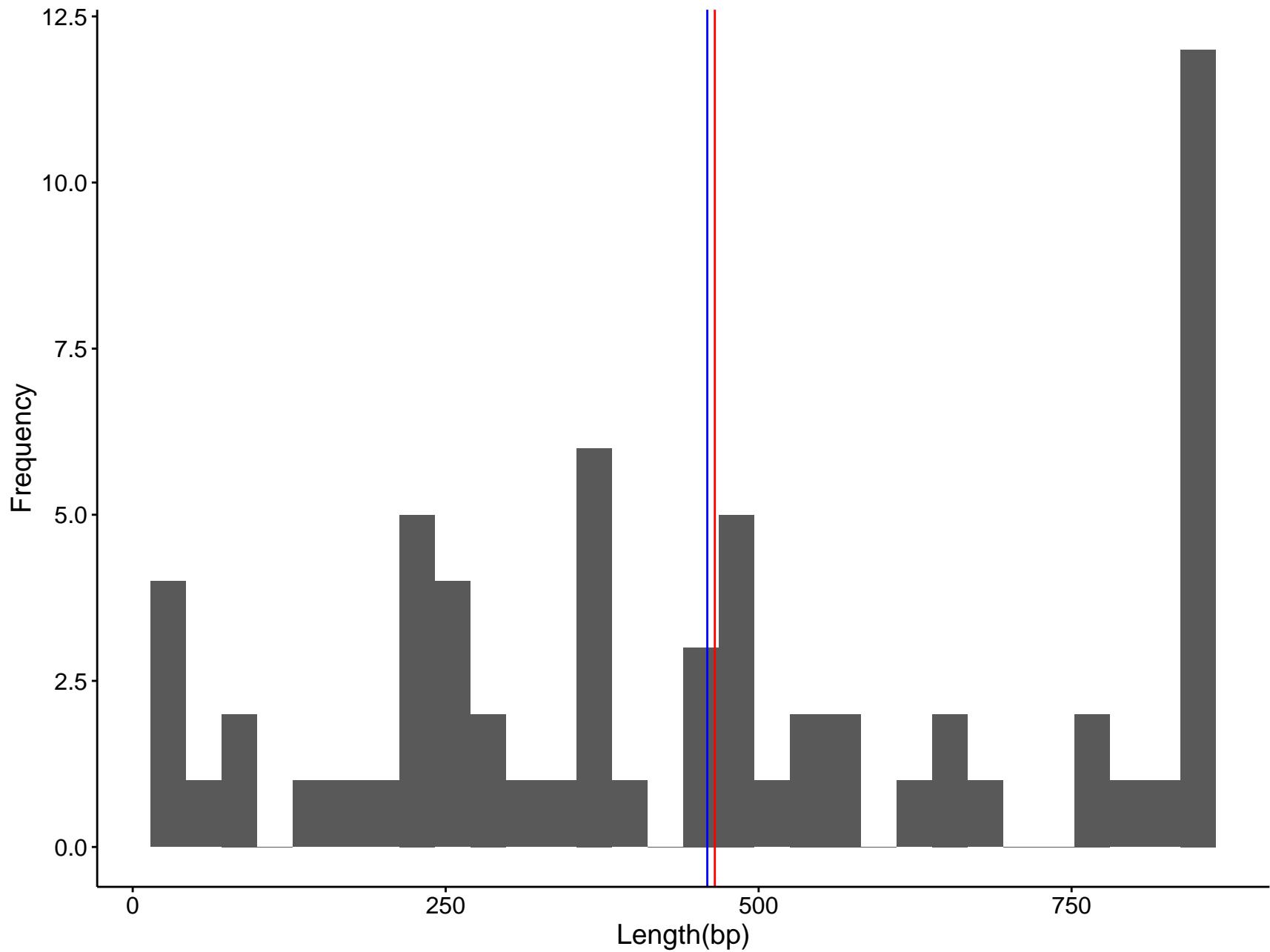
Cluster1586



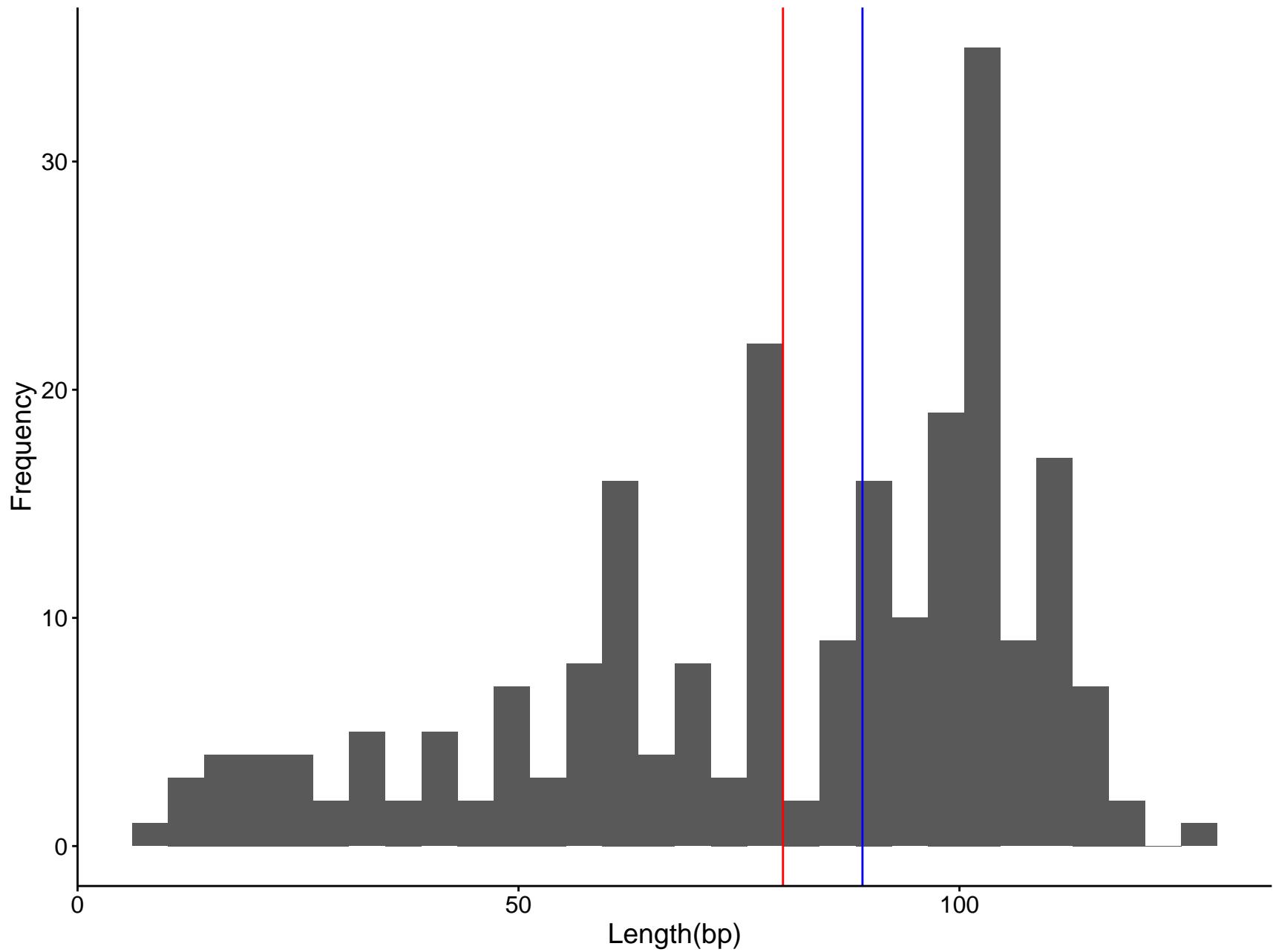
# Cluster158



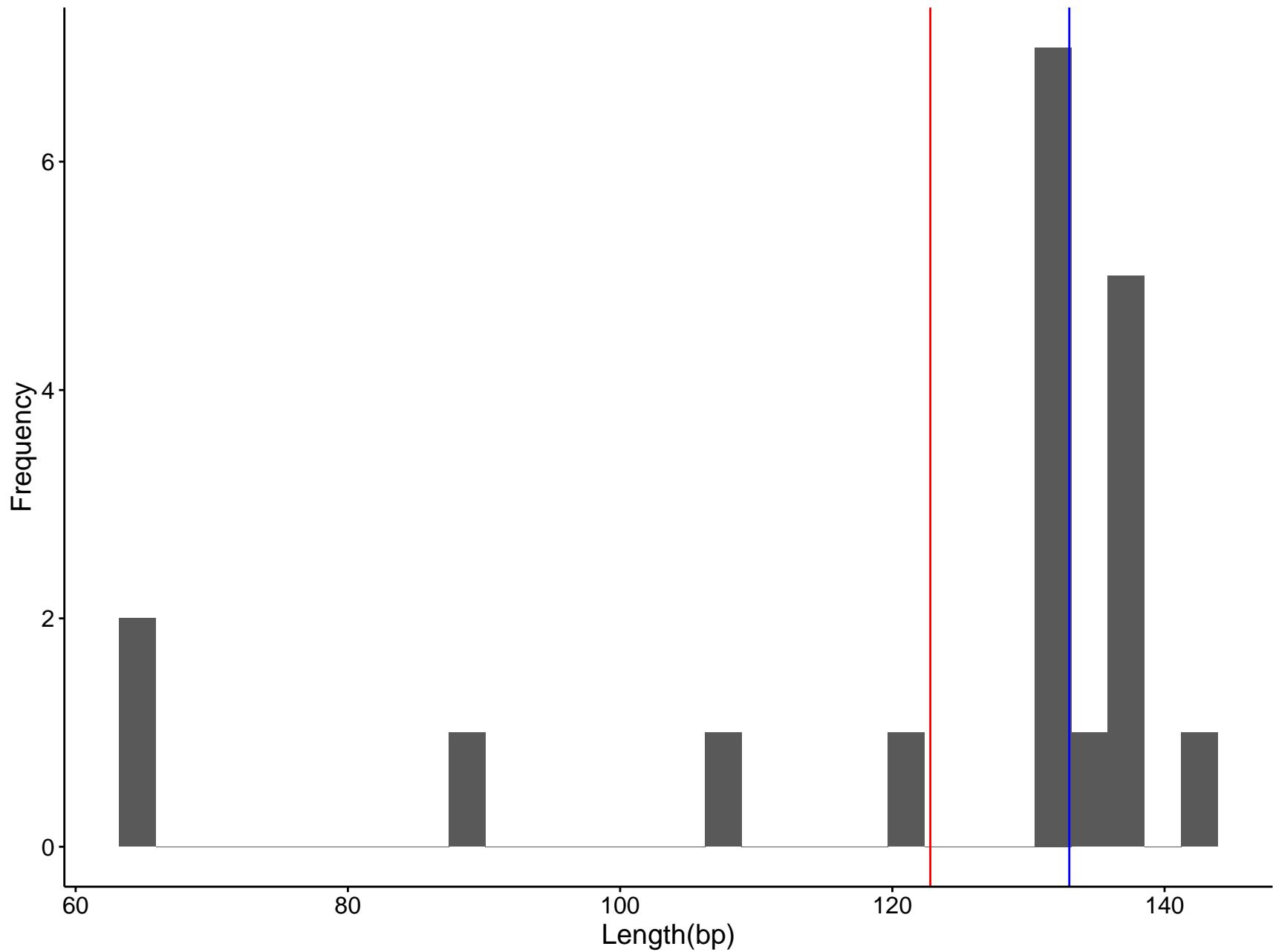
Cluster1590



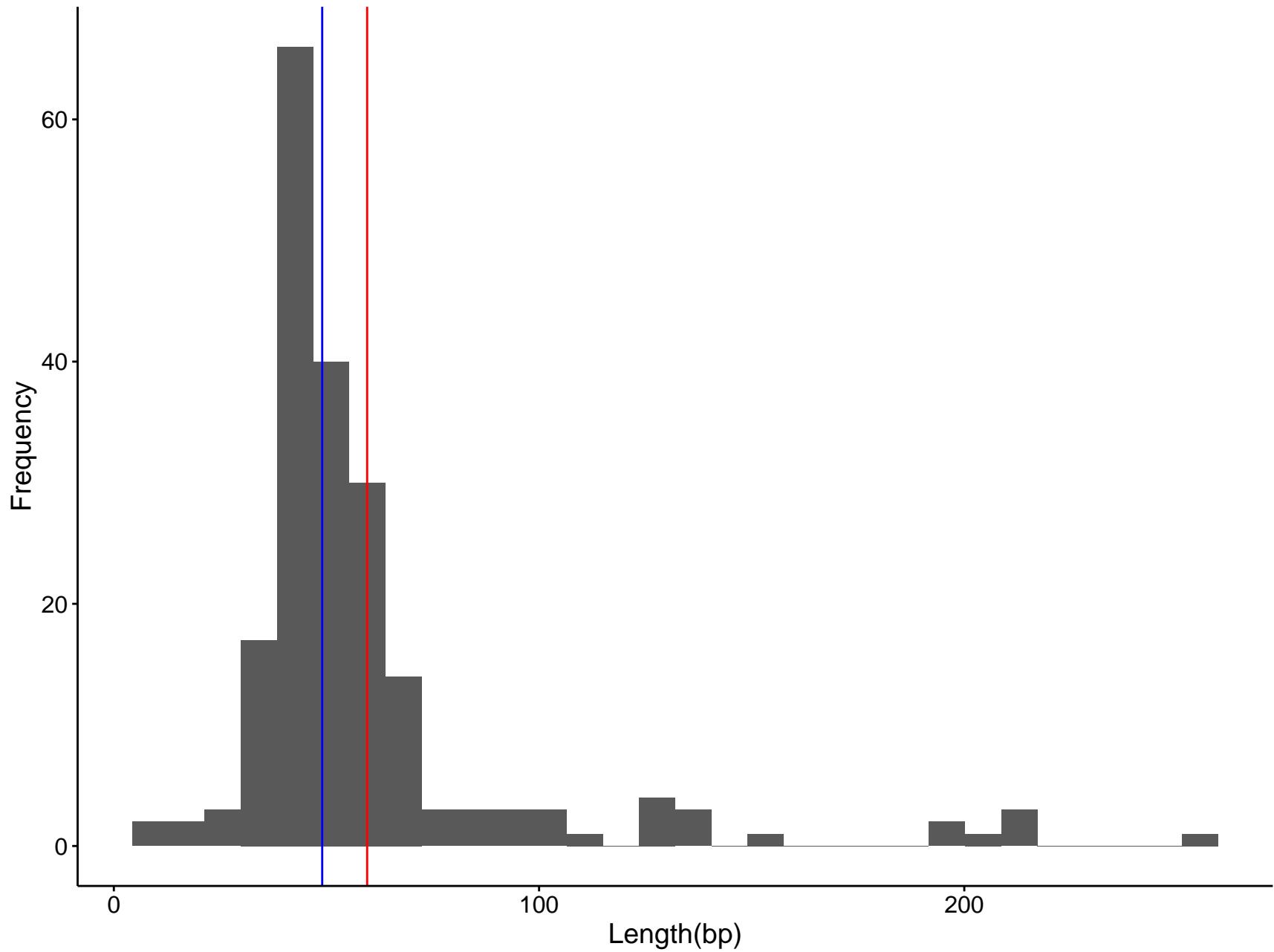
Cluster1591



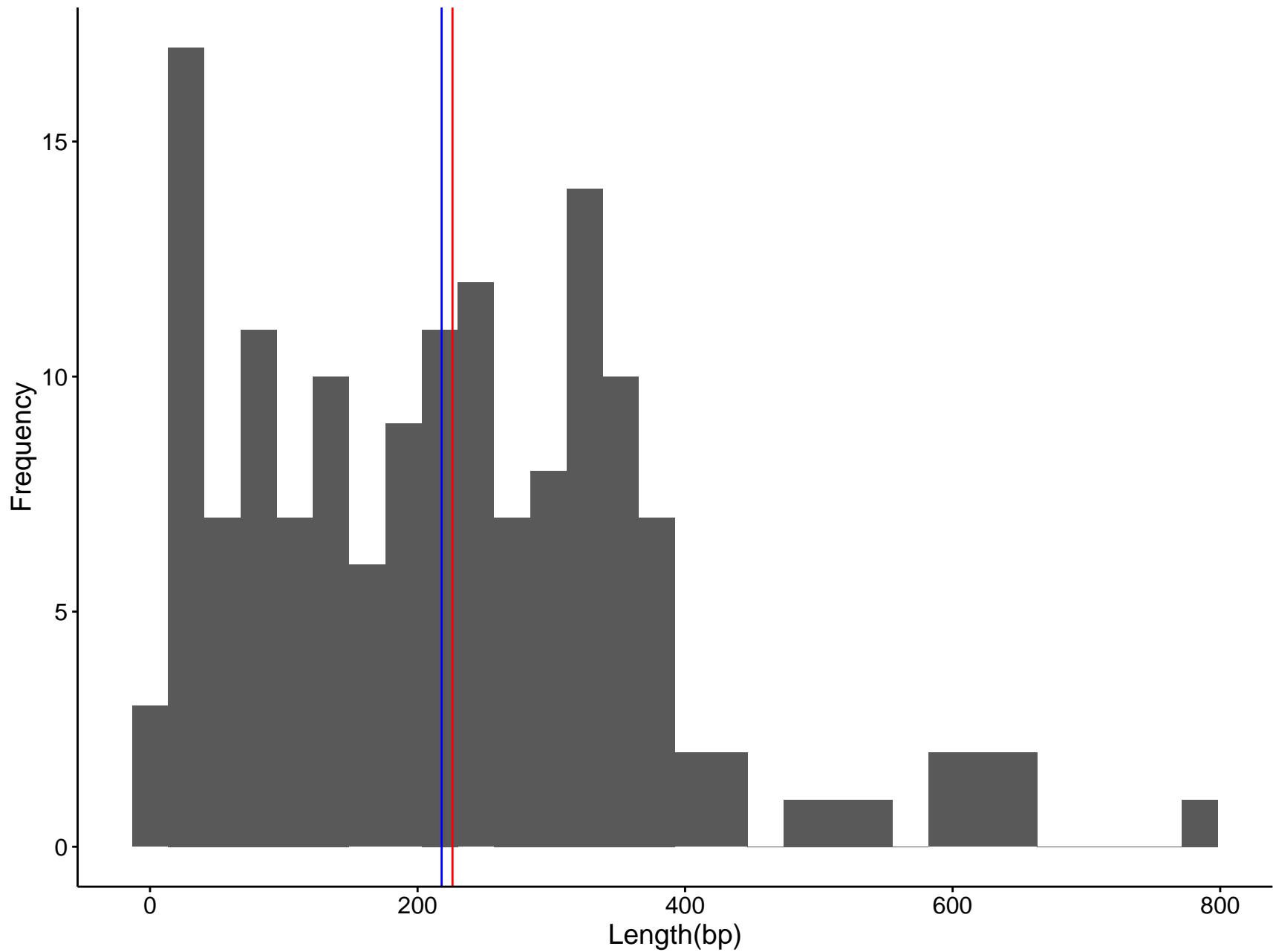
Cluster1592



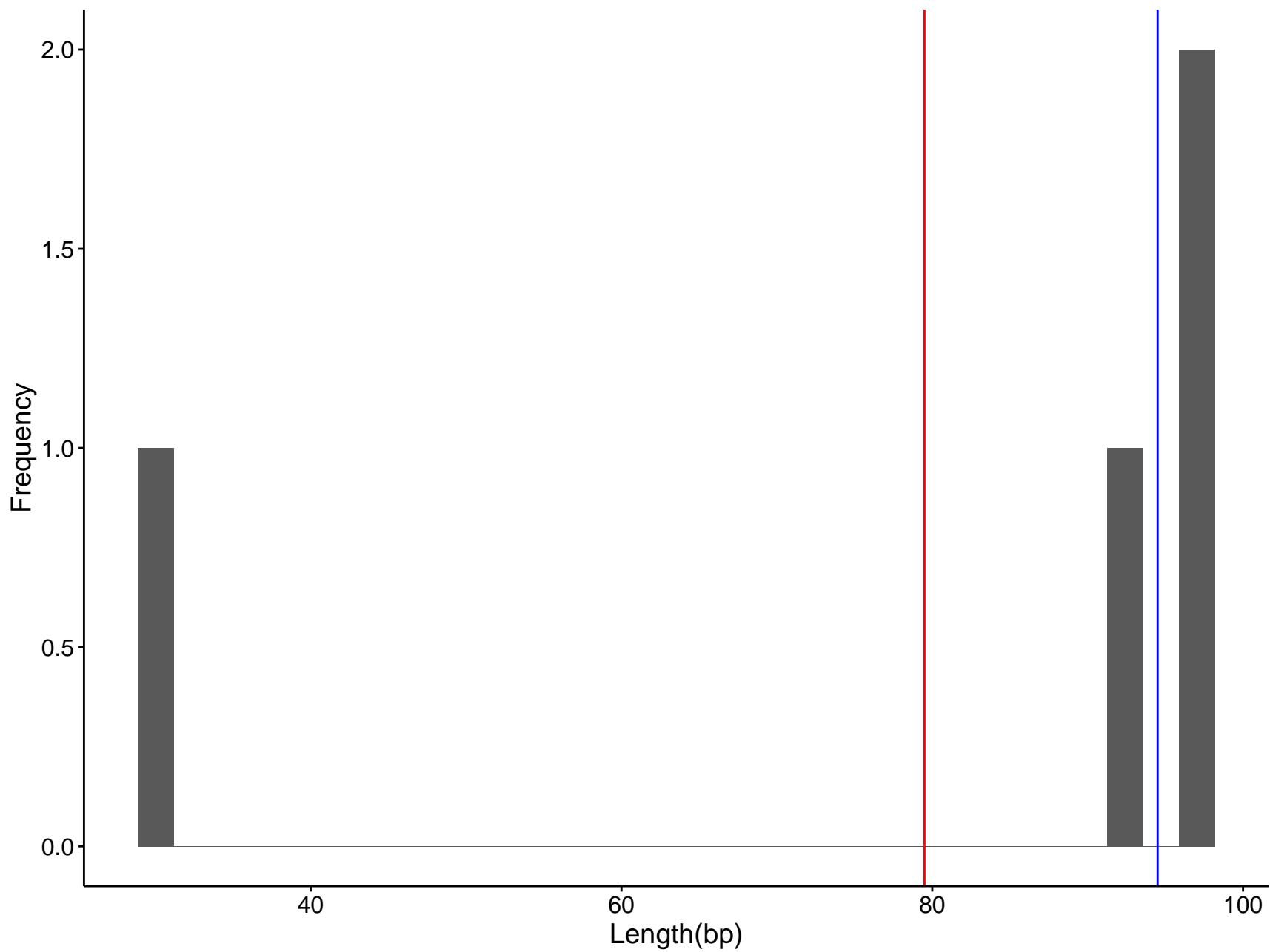
Cluster1593



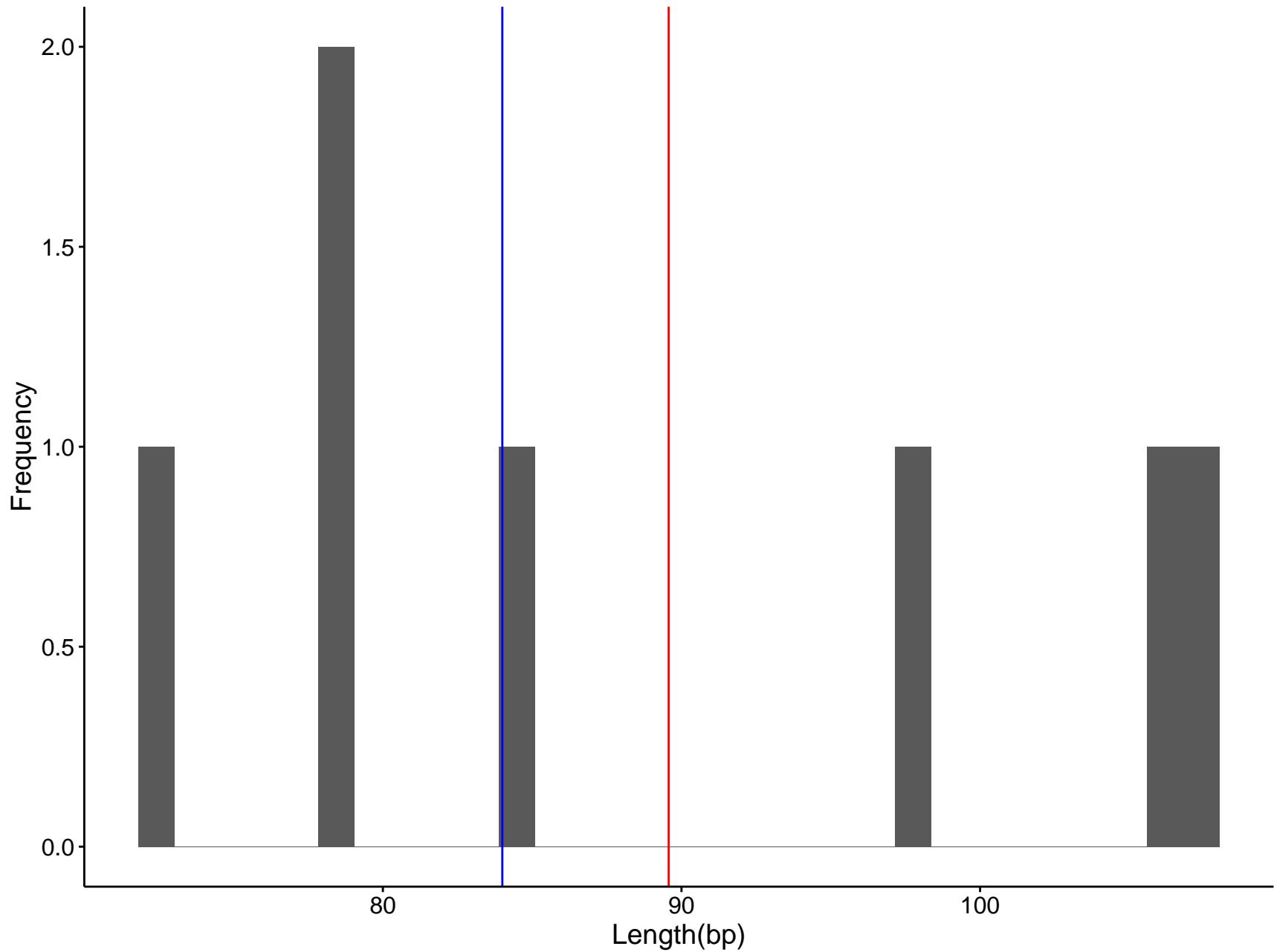
Cluster1594



Cluster1596



Cluster1597



# Cluster1599

Frequency

109.950

109.975

110.000

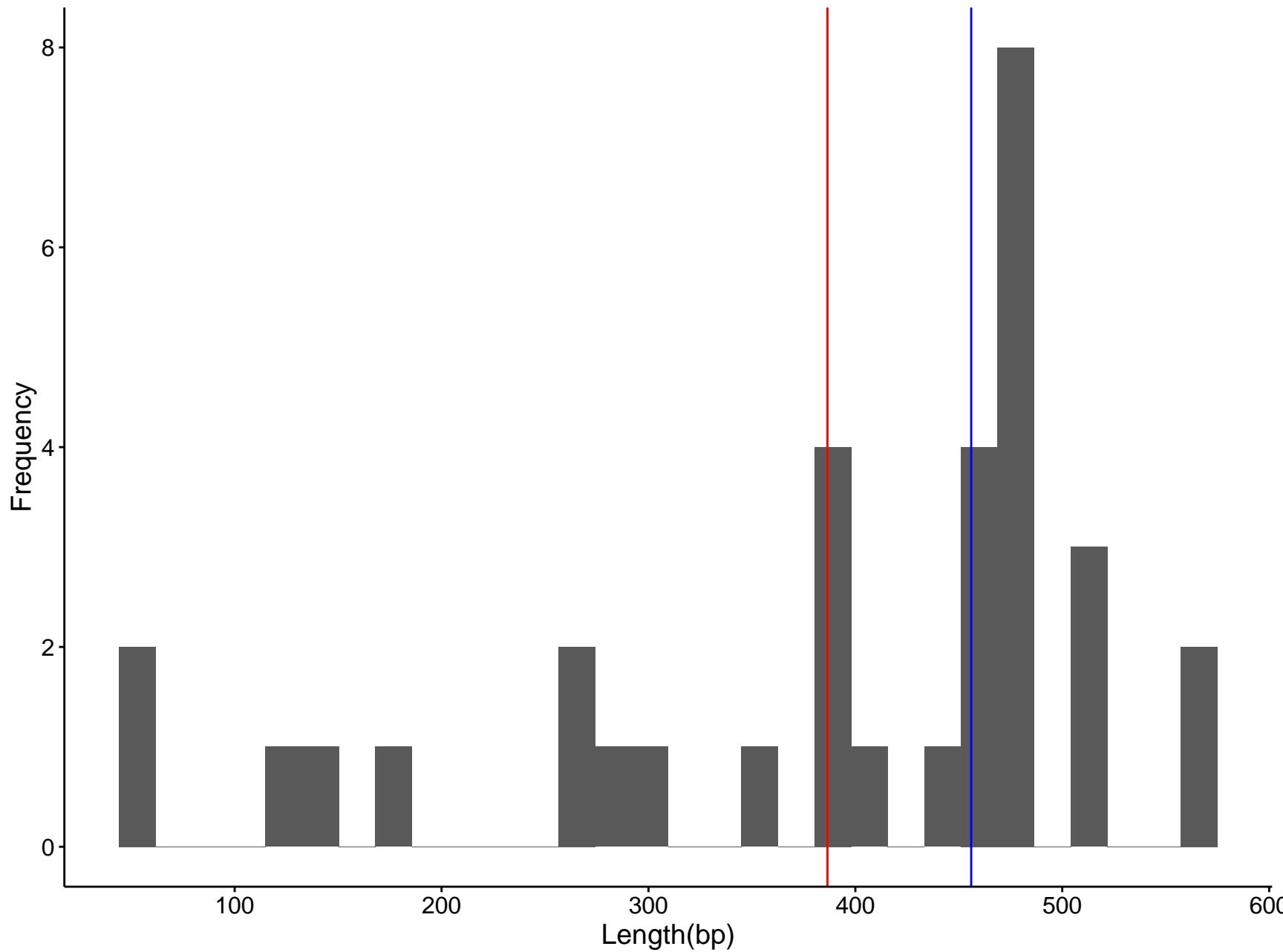
110.025

110.050

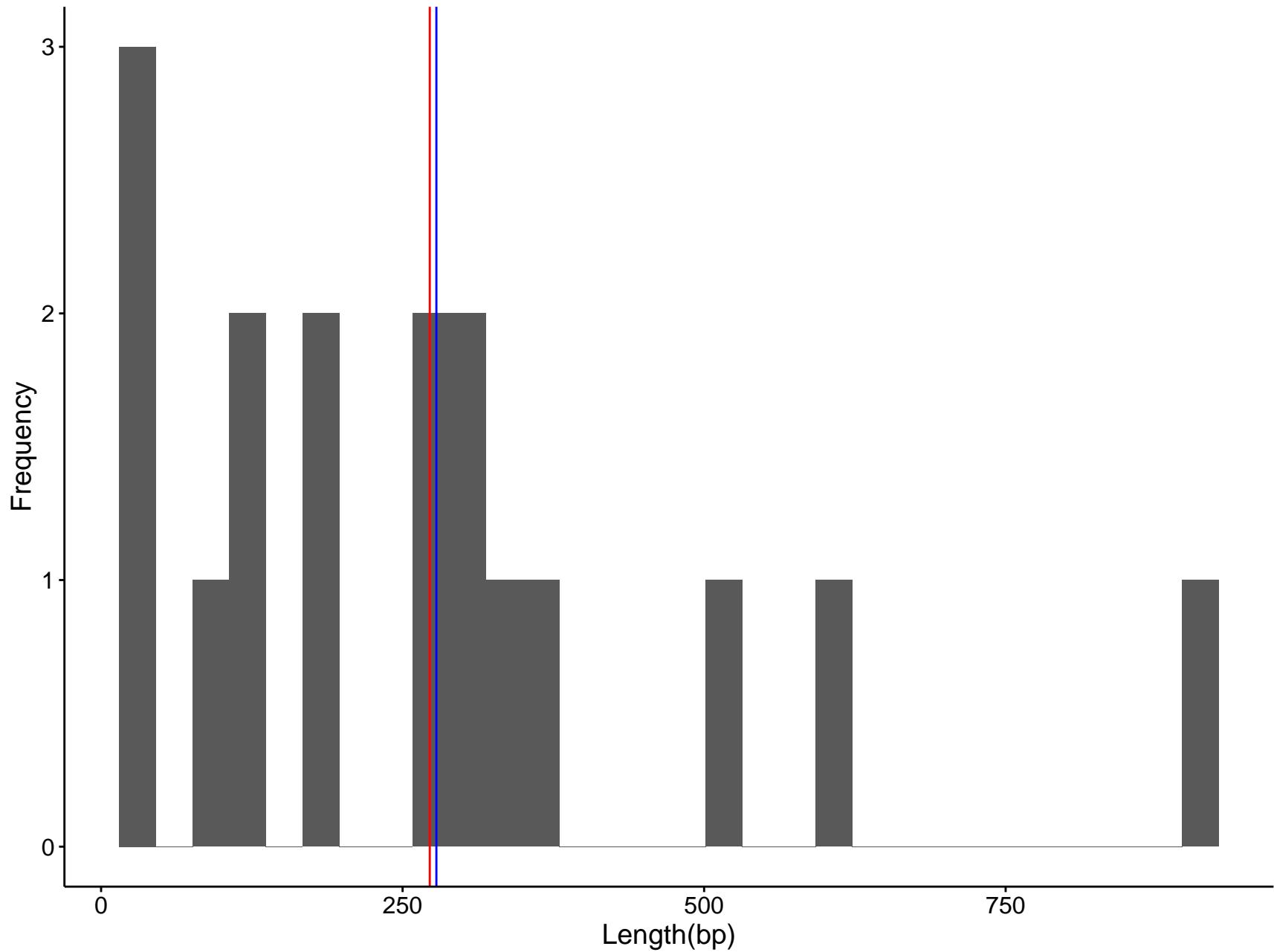
Length(bp)



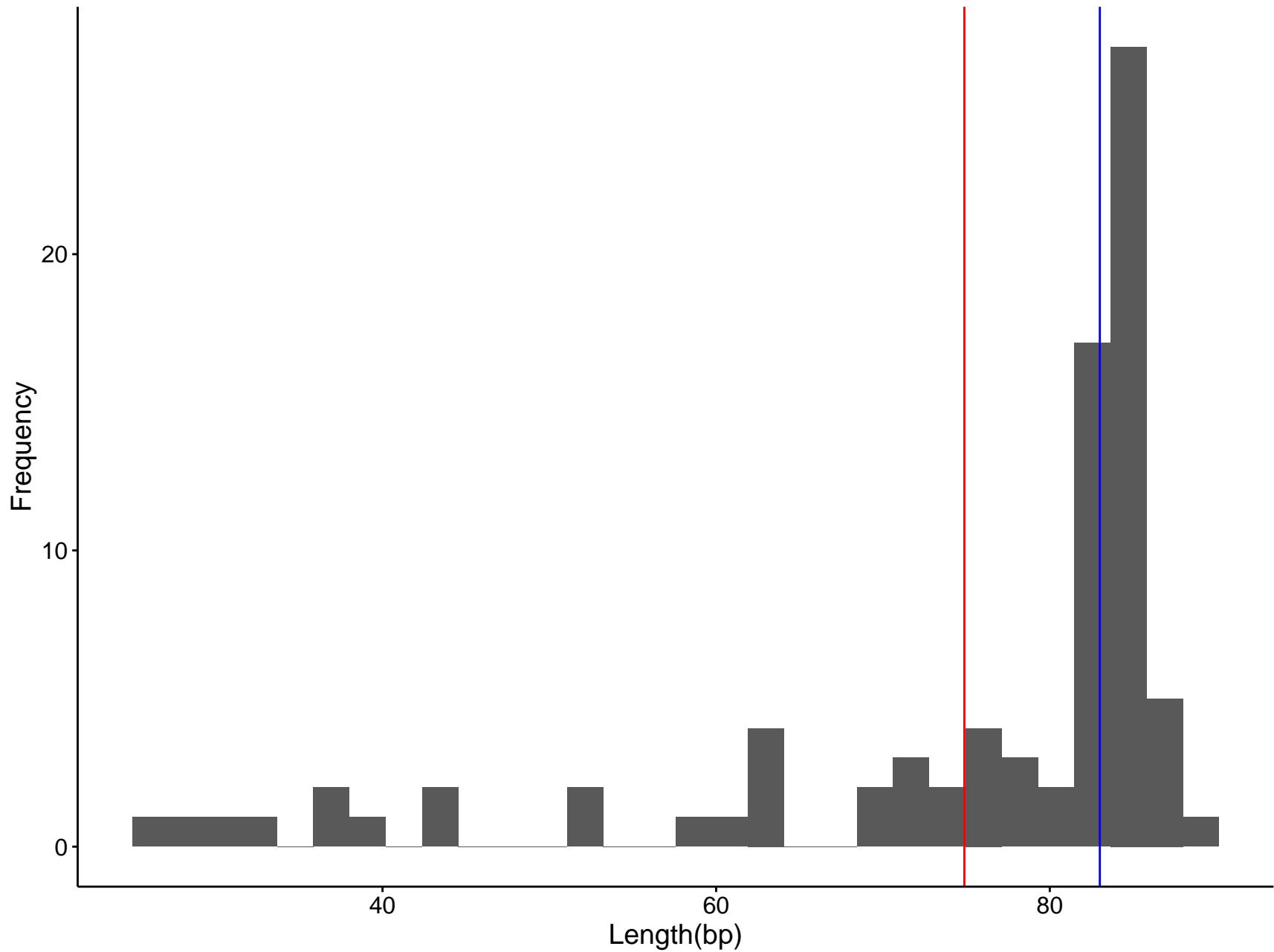
Cluster159



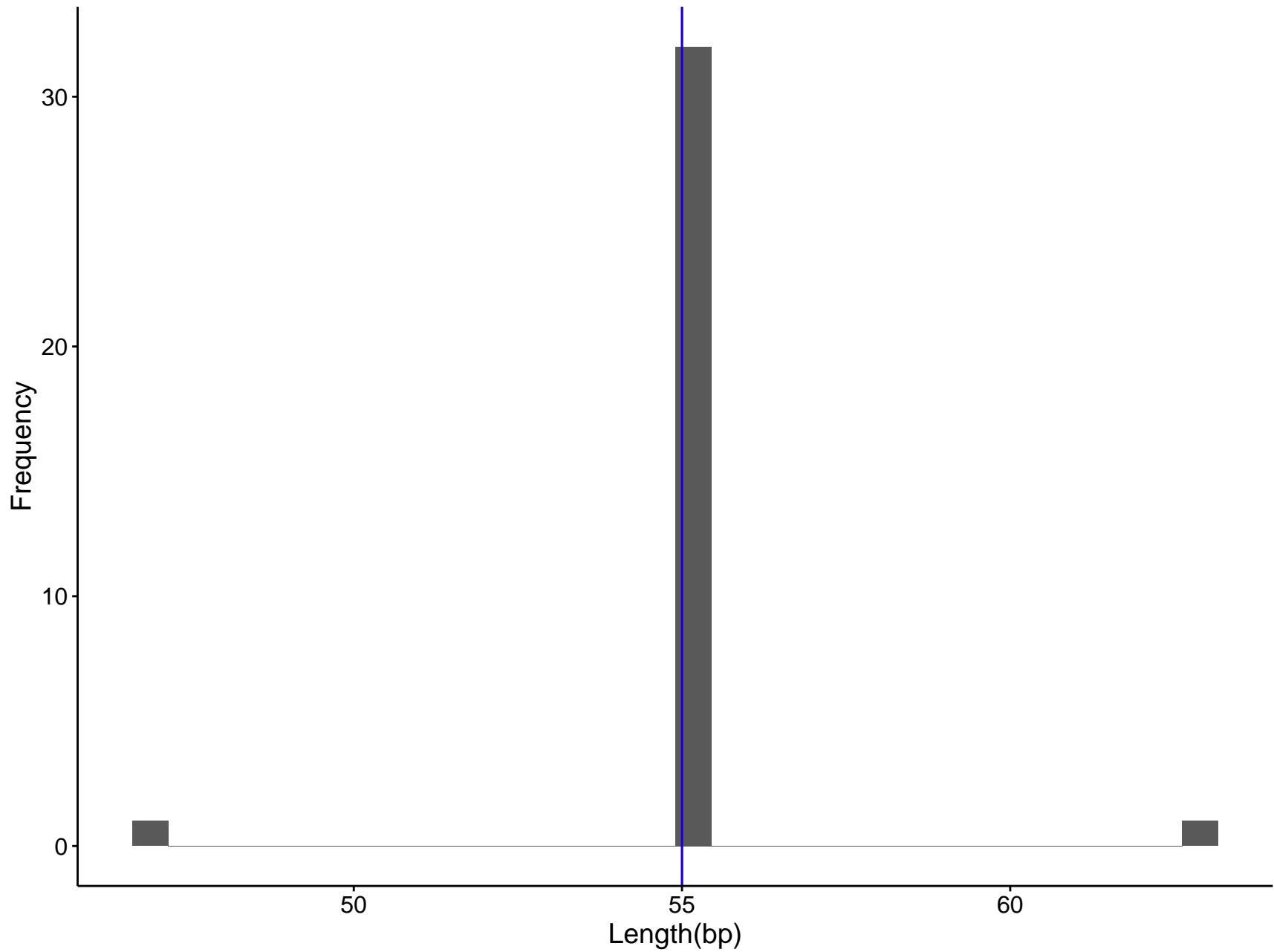
Cluster1601



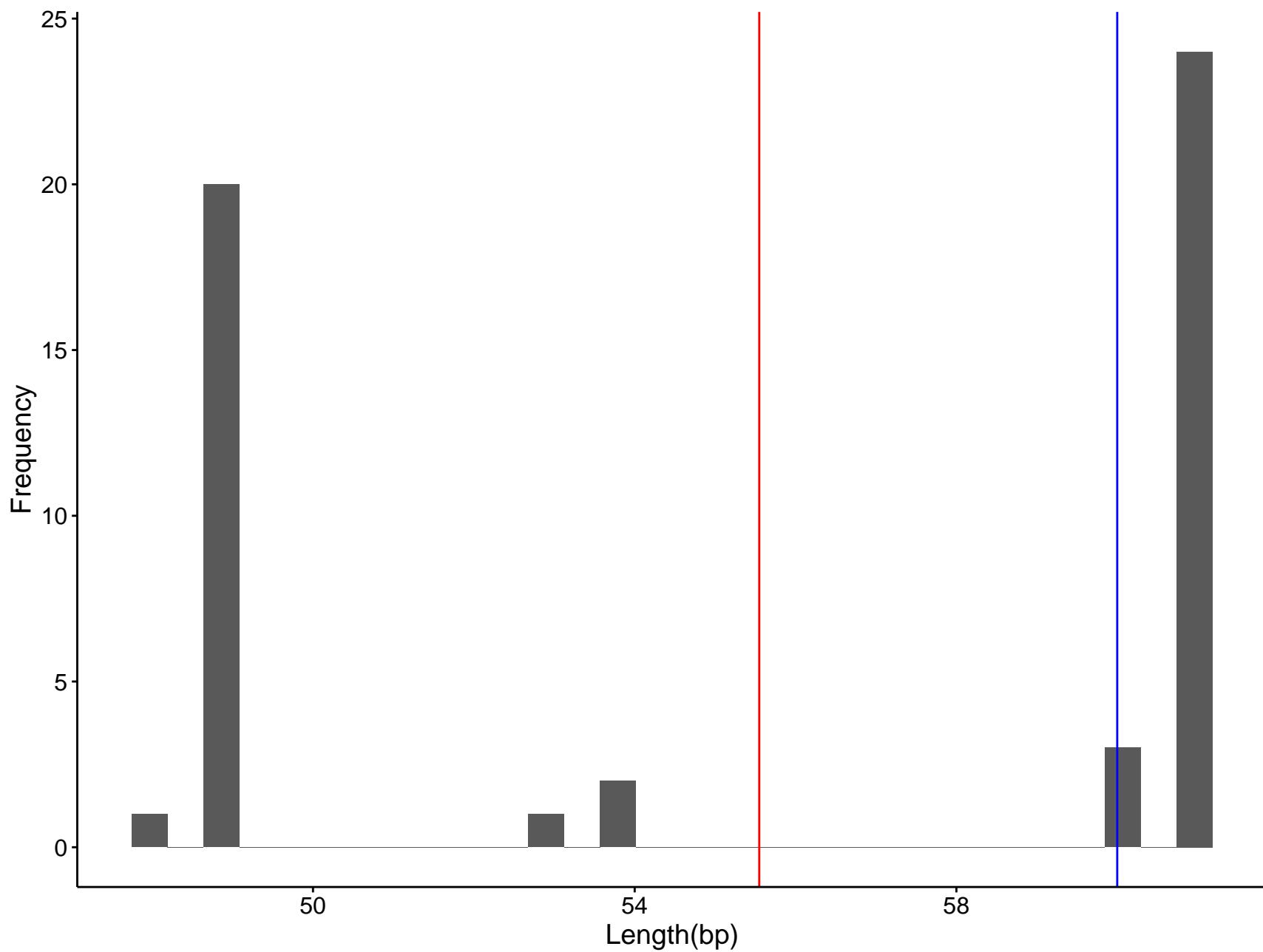
Cluster1602



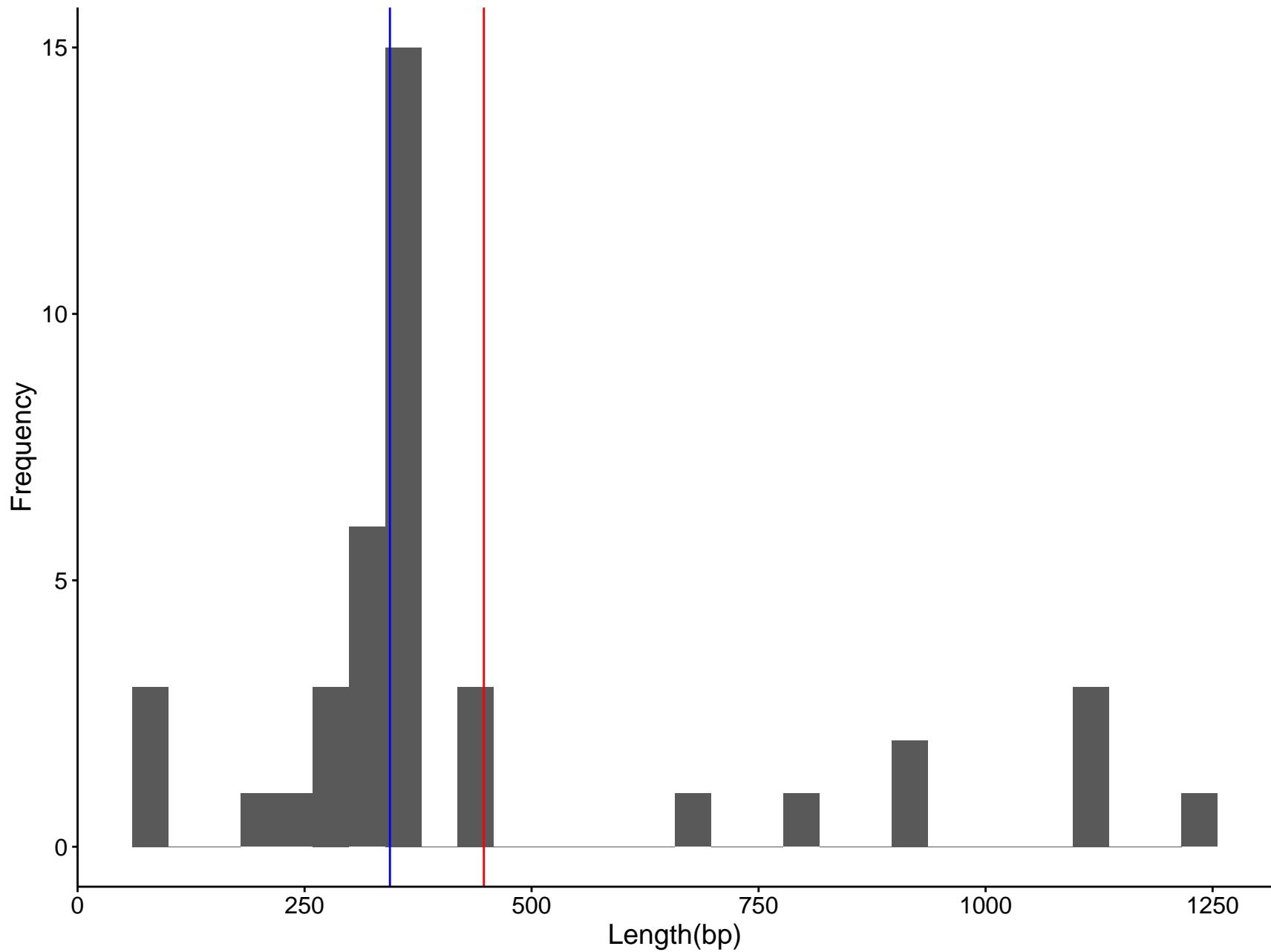
Cluster1604



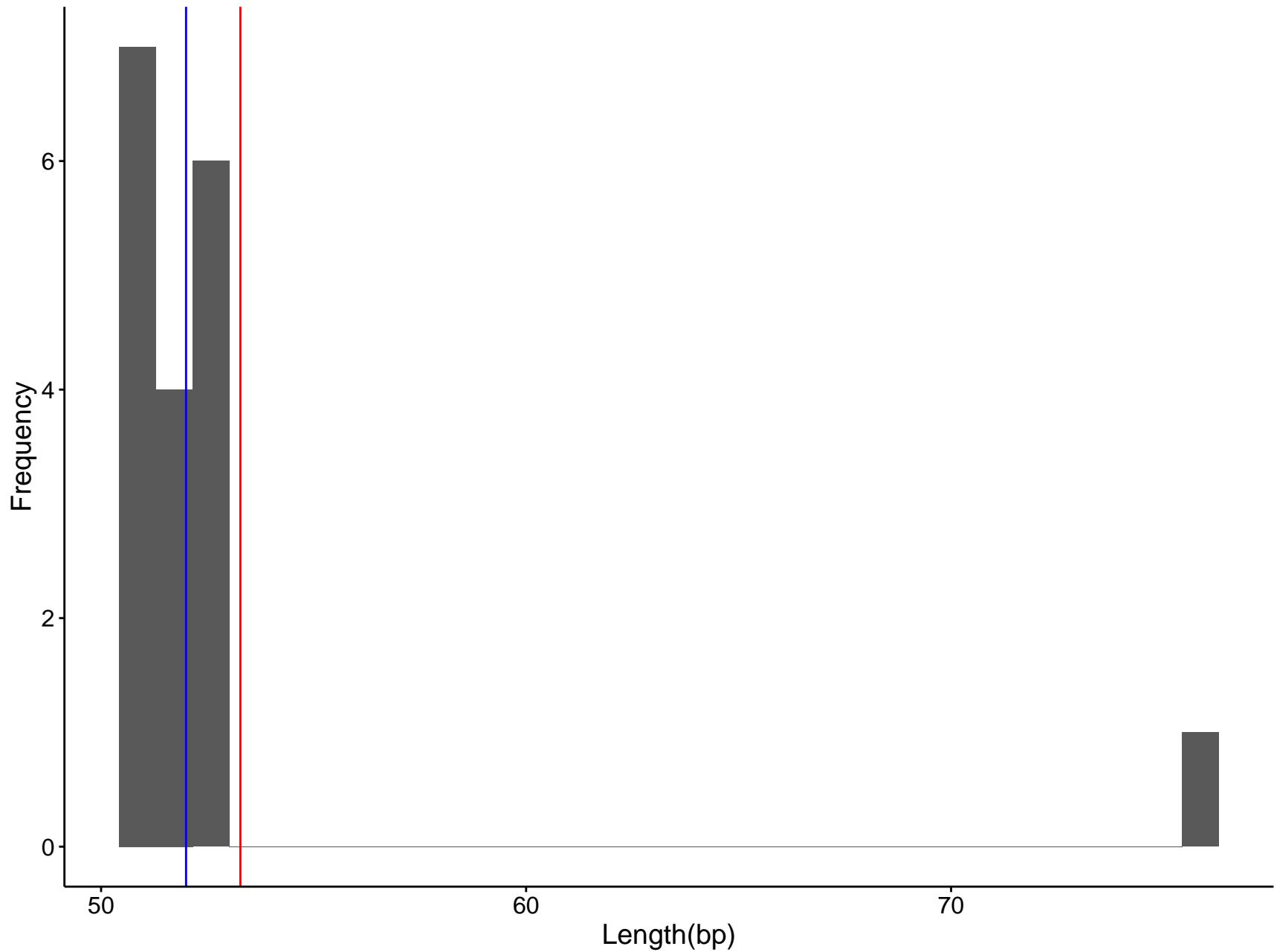
Cluster1607



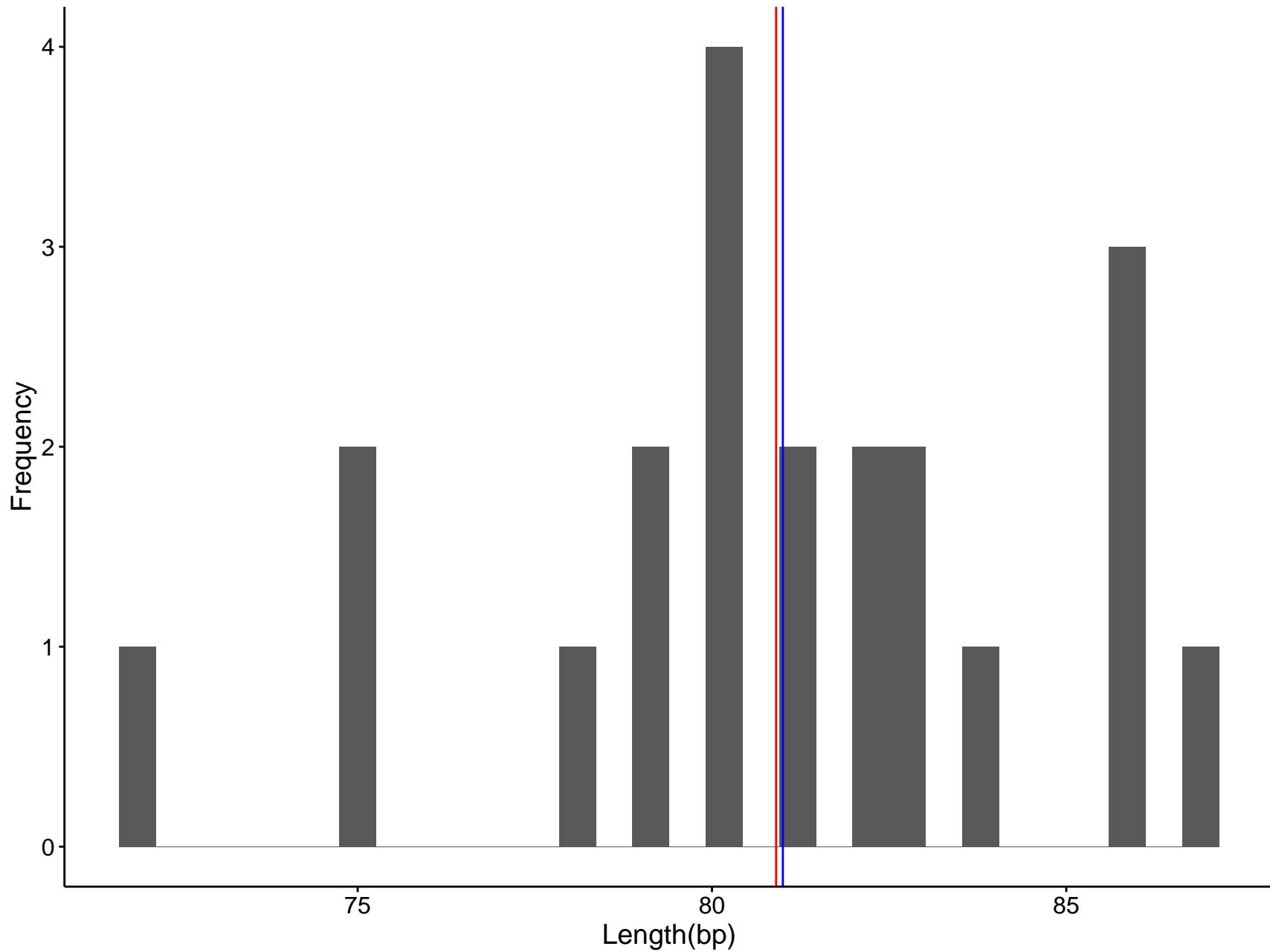
Cluster1609



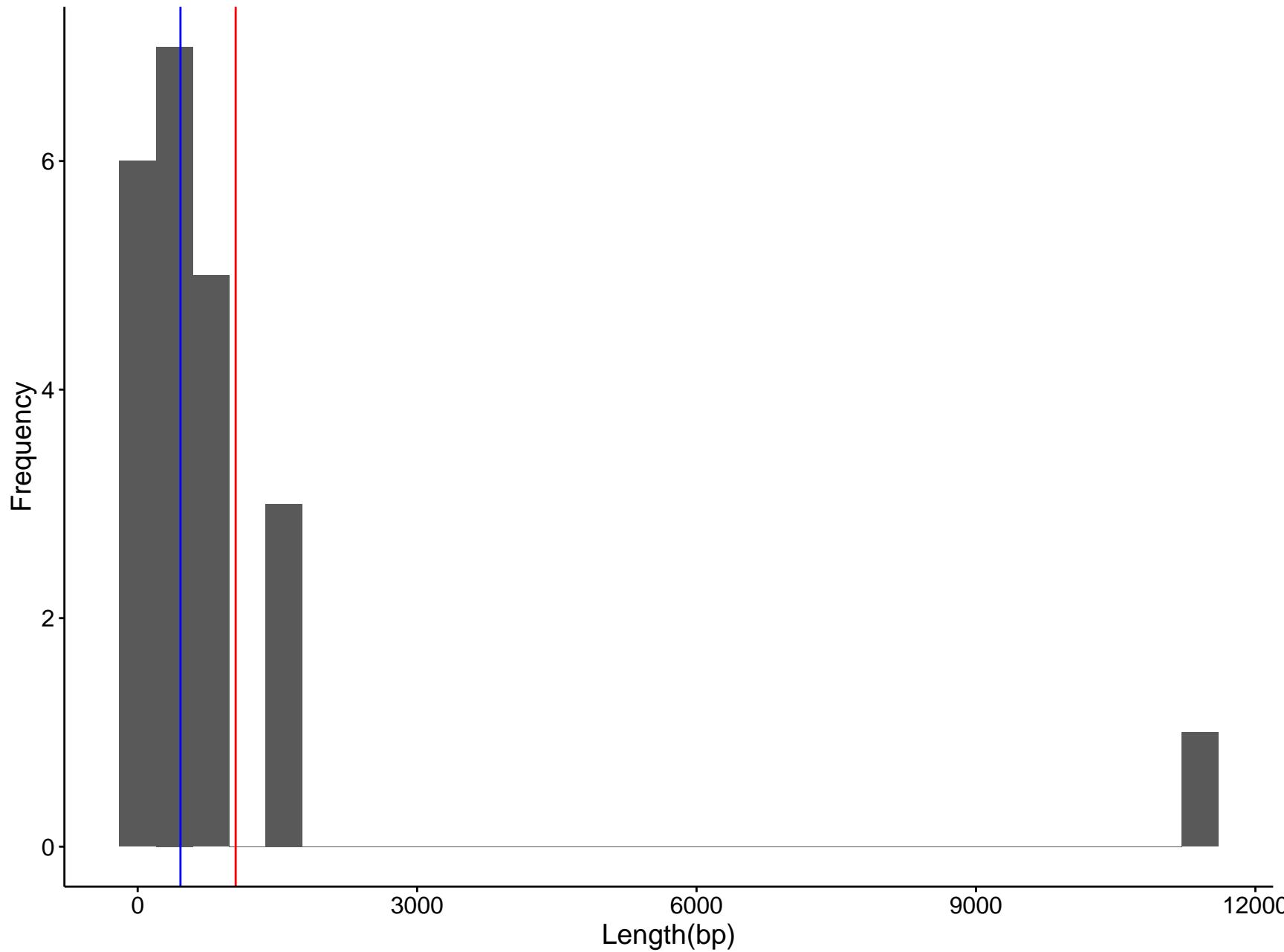
Cluster1611



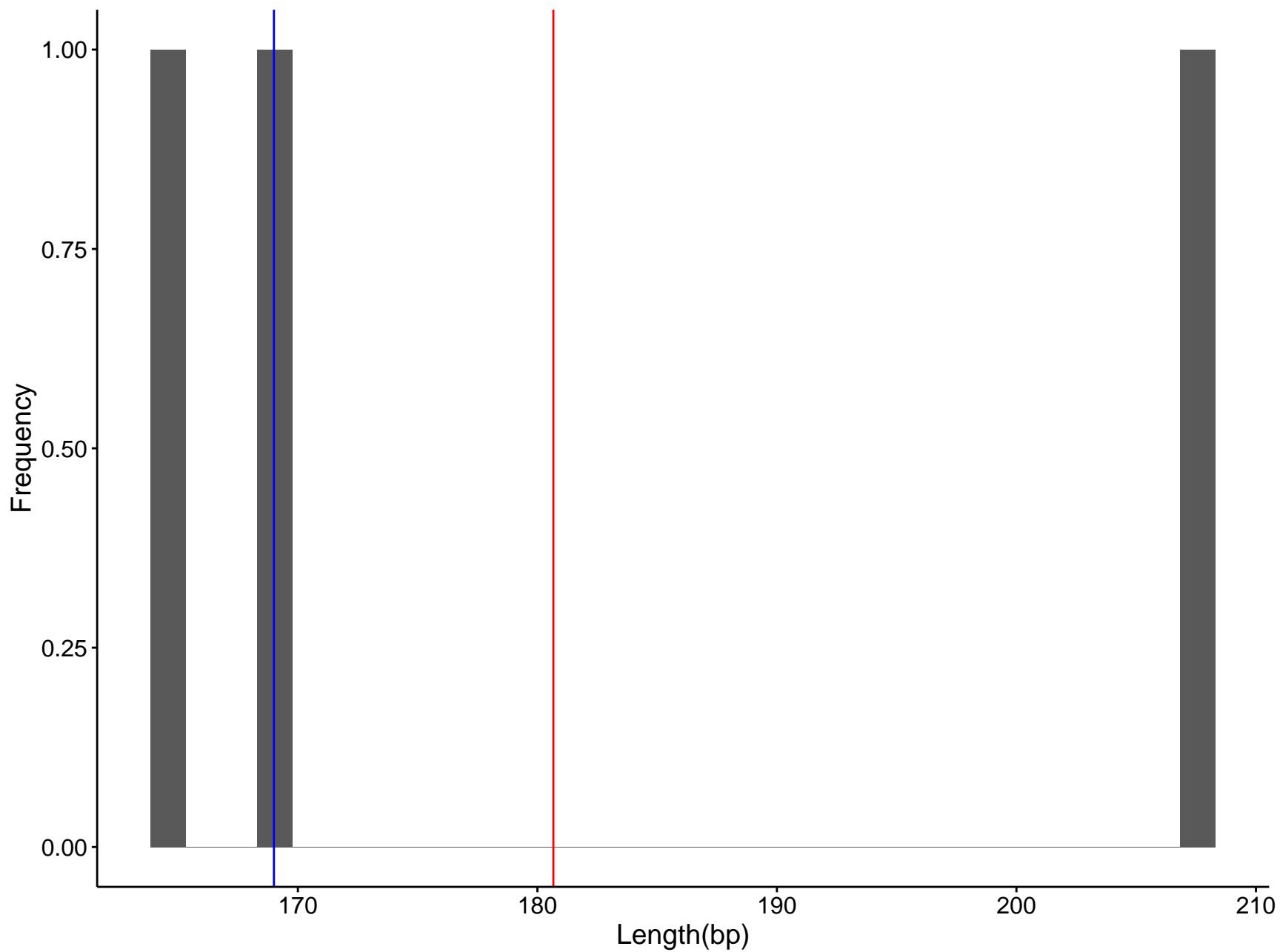
Cluster1612



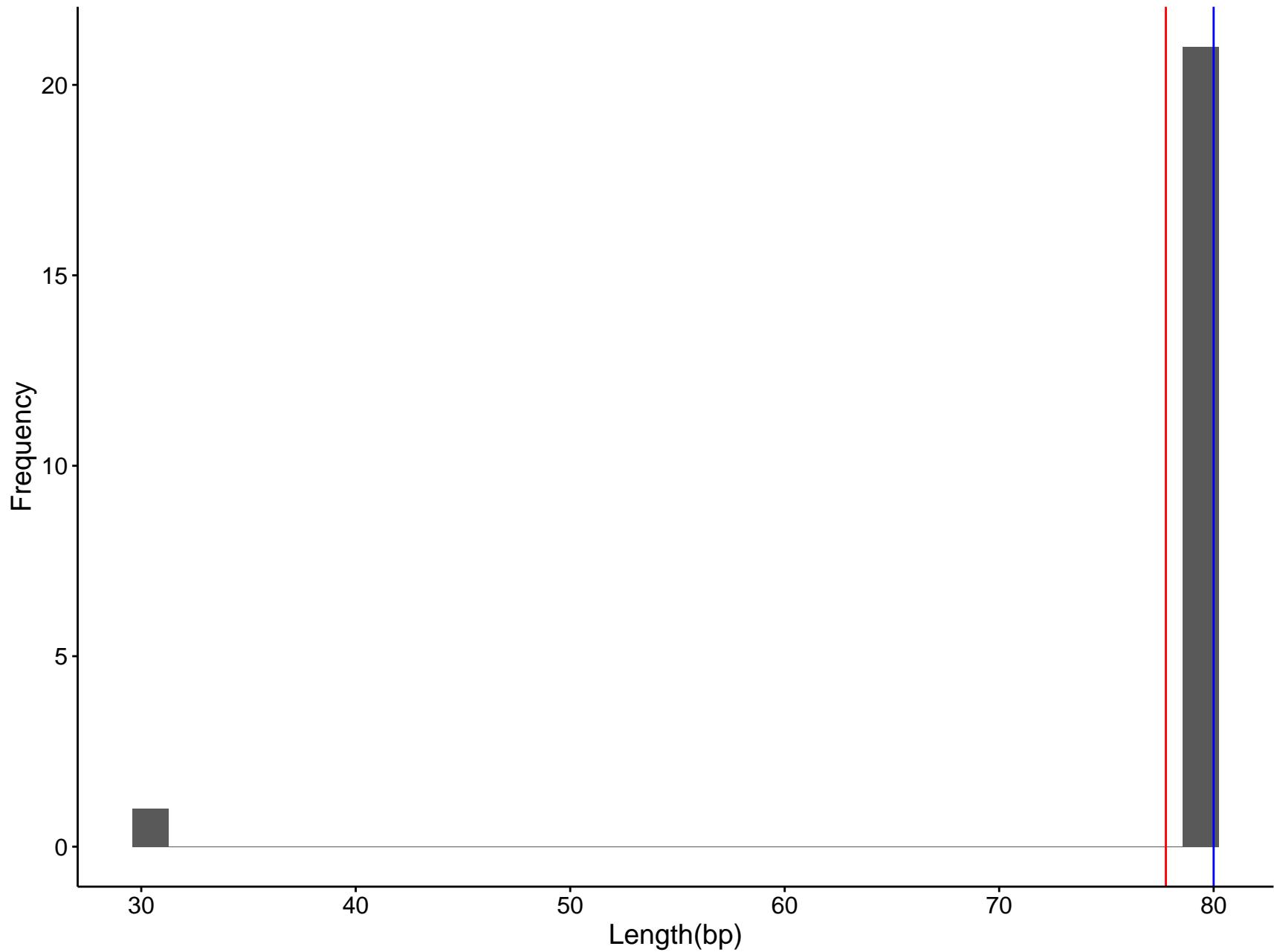
Cluster1614



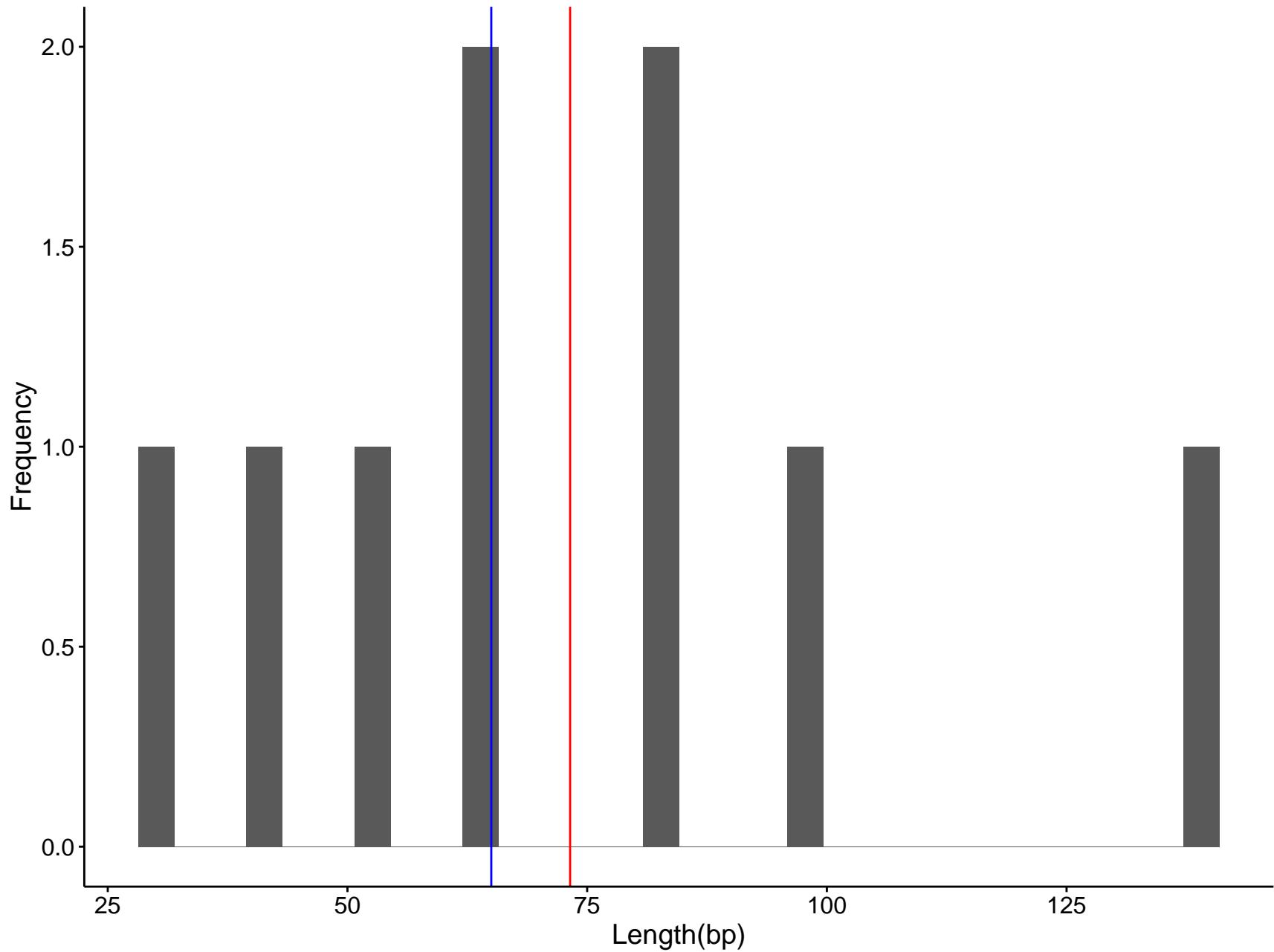
Cluster1615



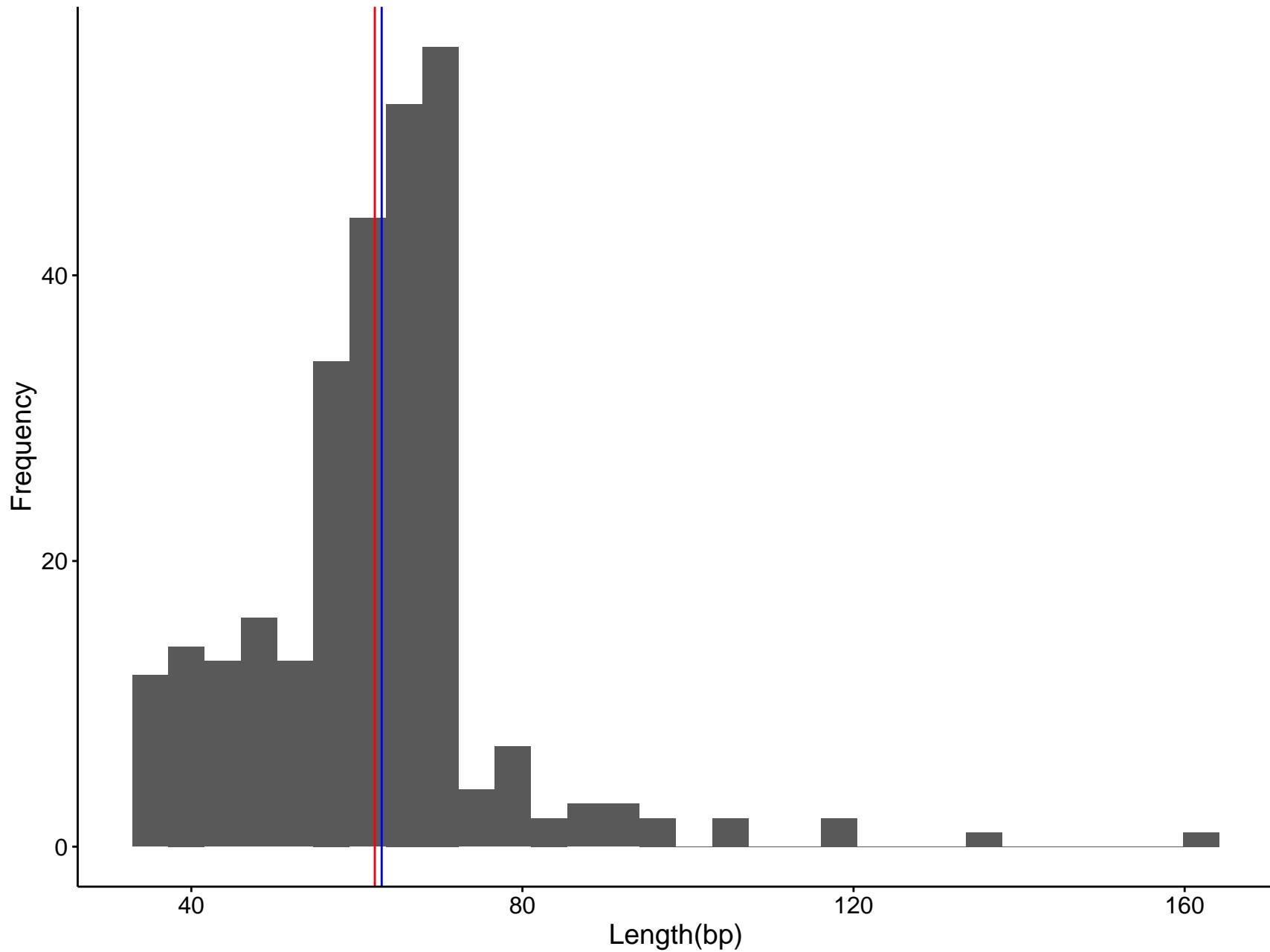
Cluster1618



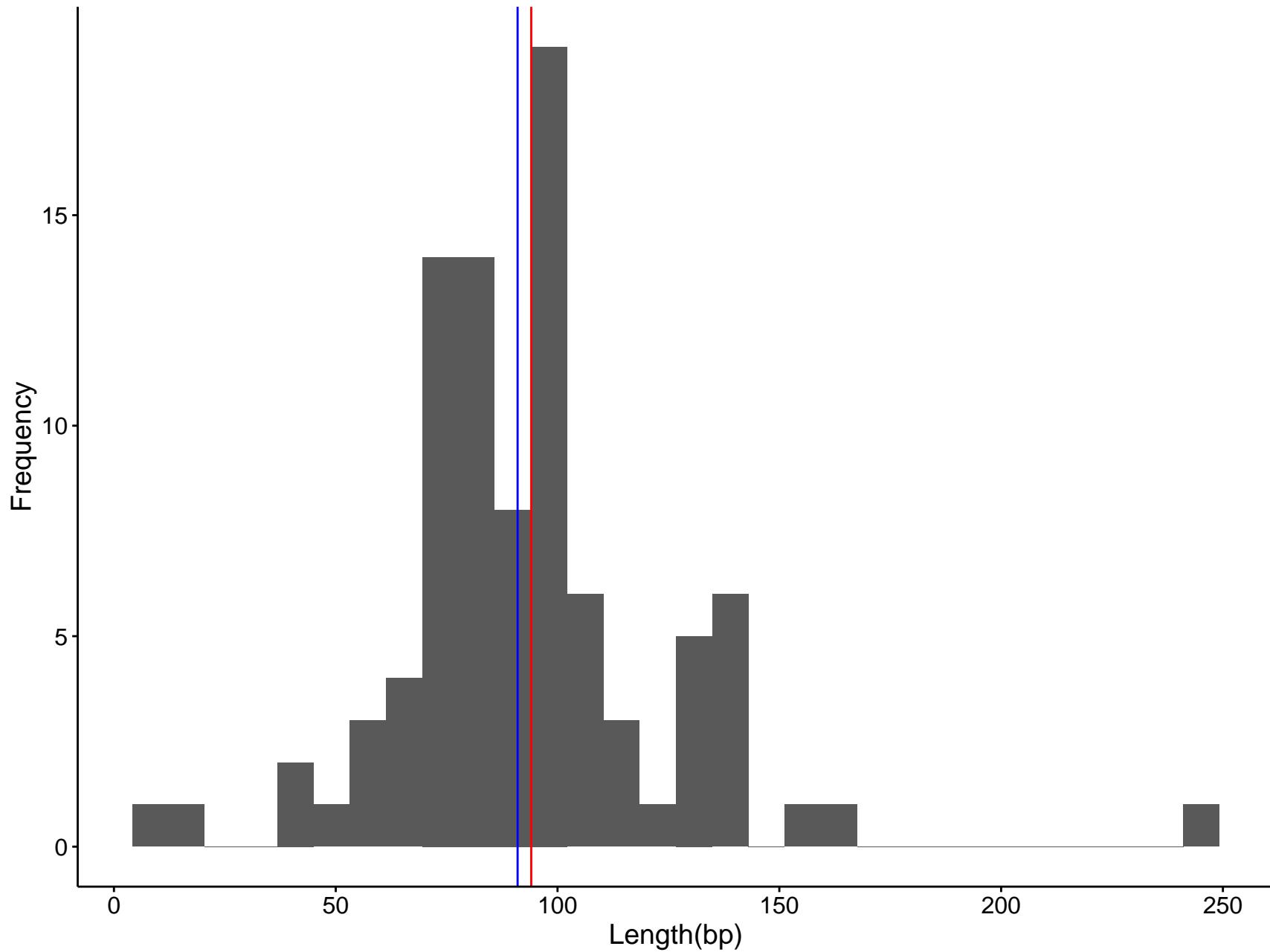
Cluster1619



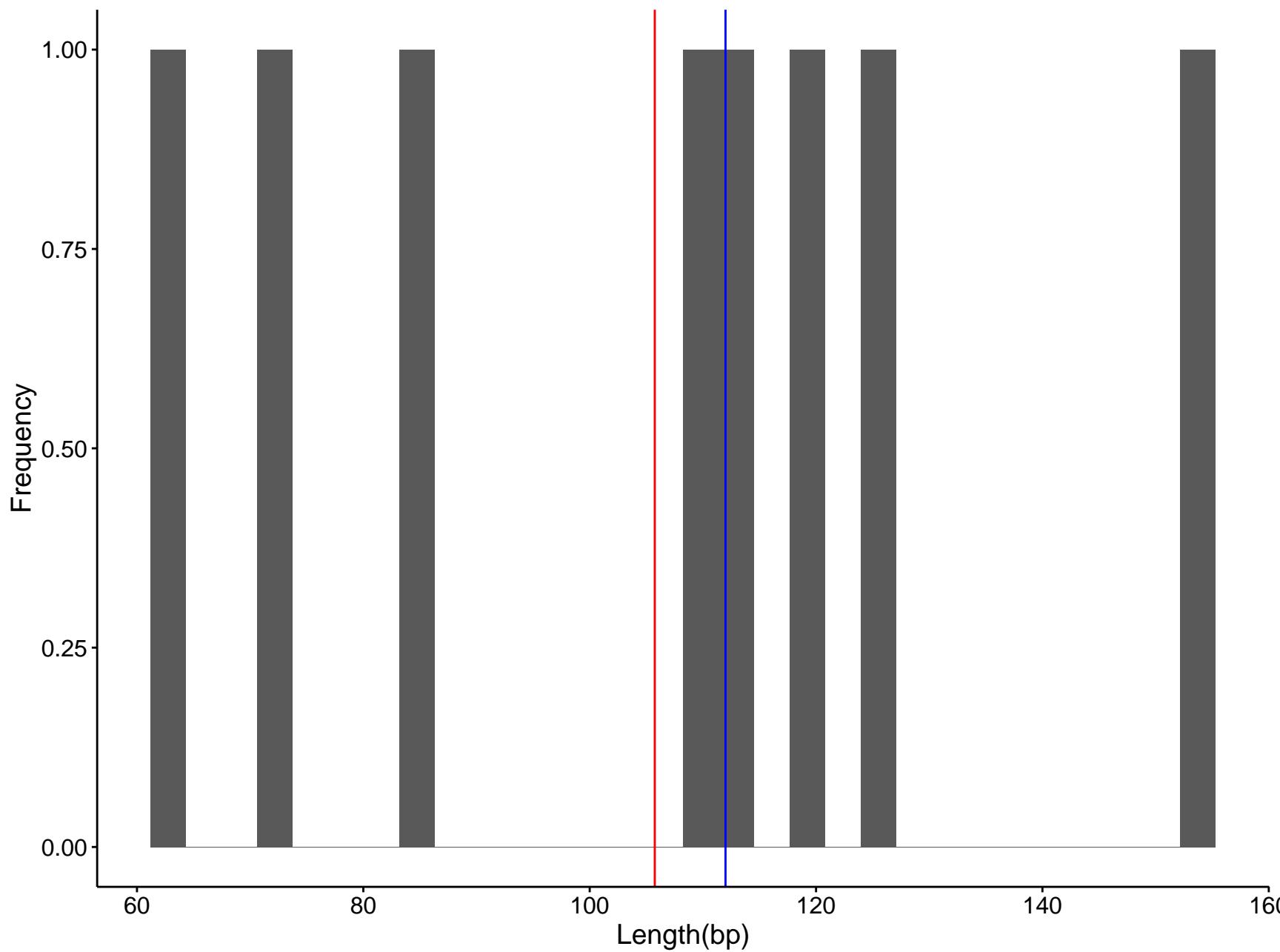
Cluster1620



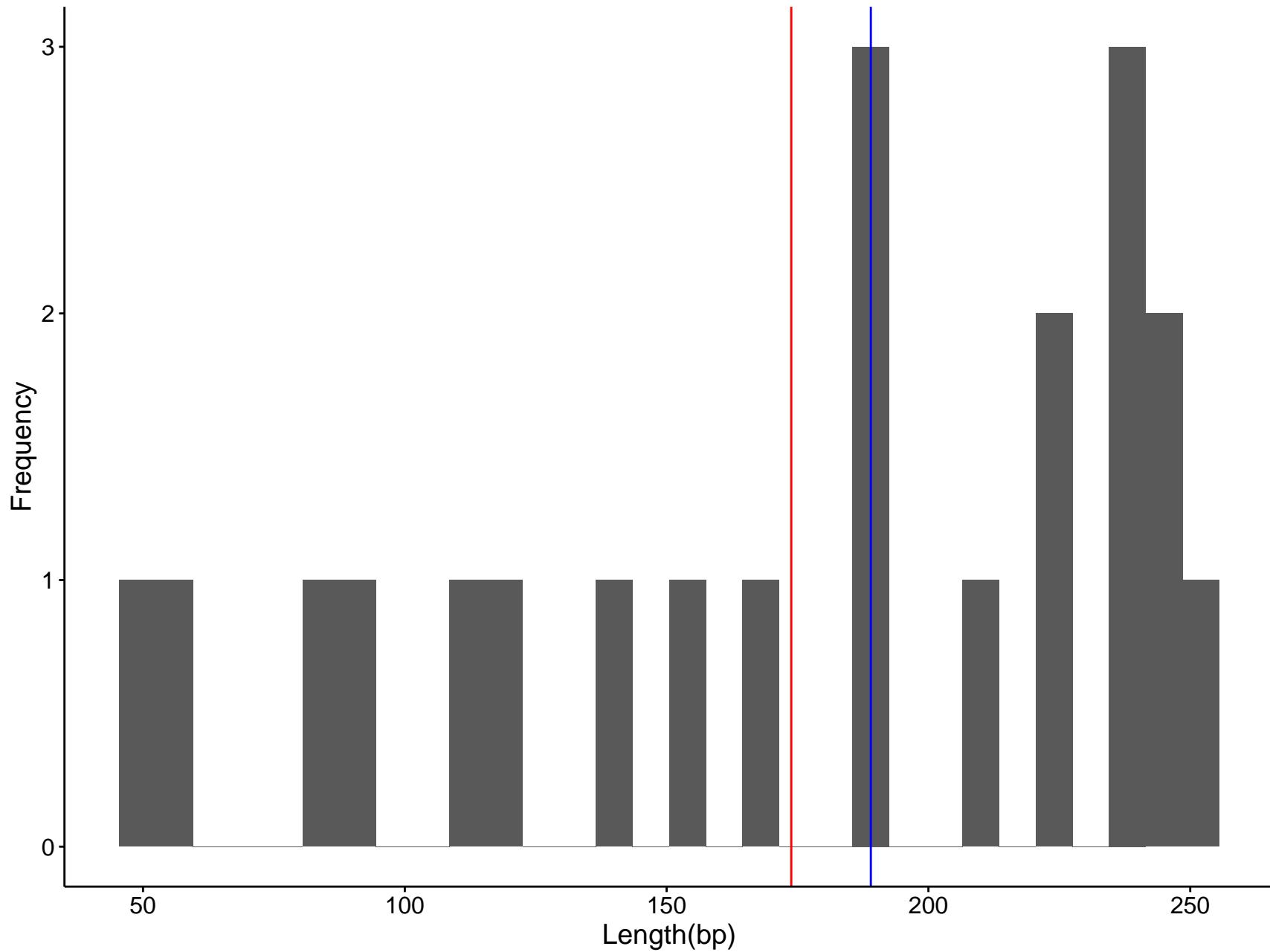
Cluster1621



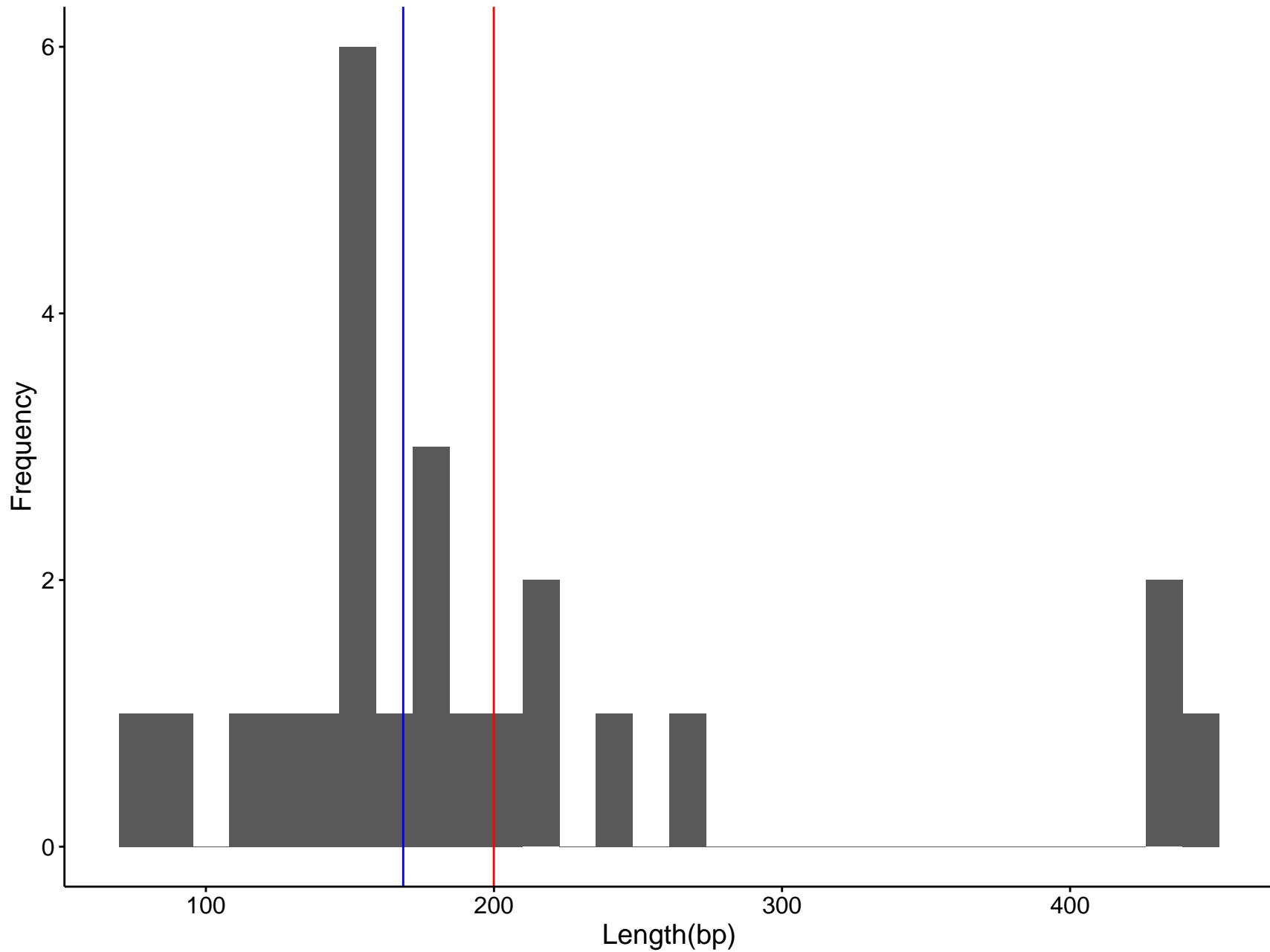
Cluster1622



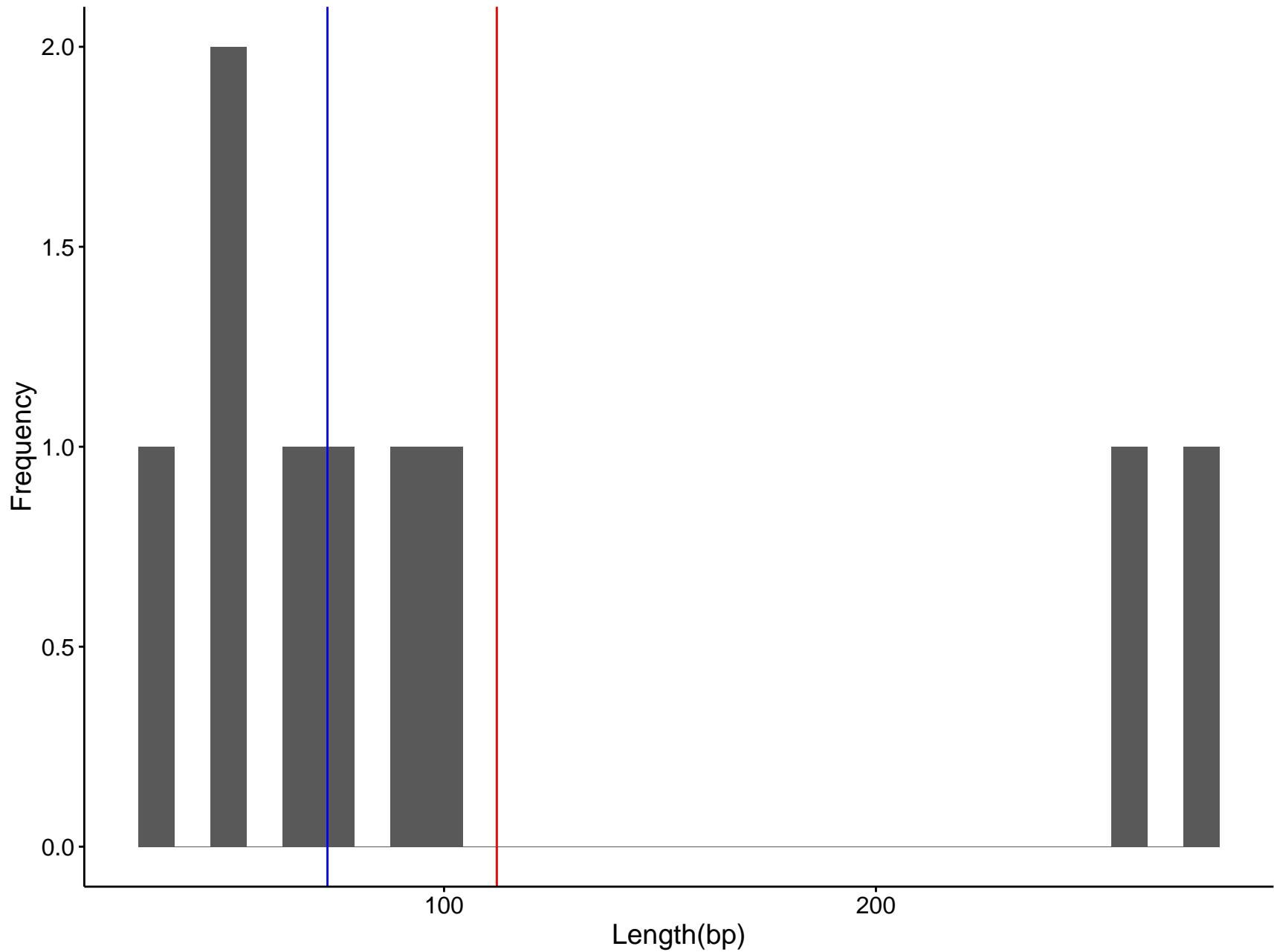
Cluster1624



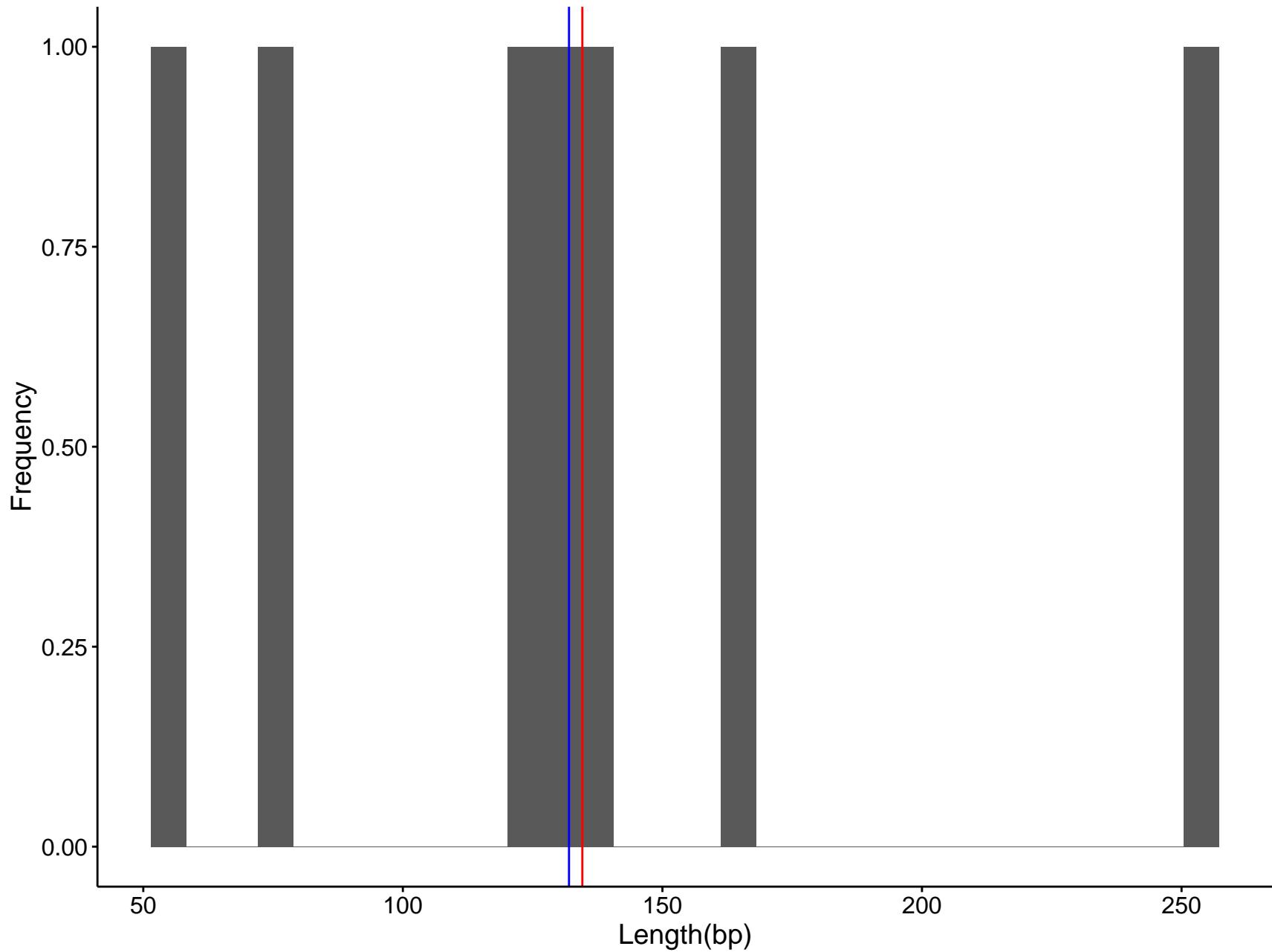
Cluster1625



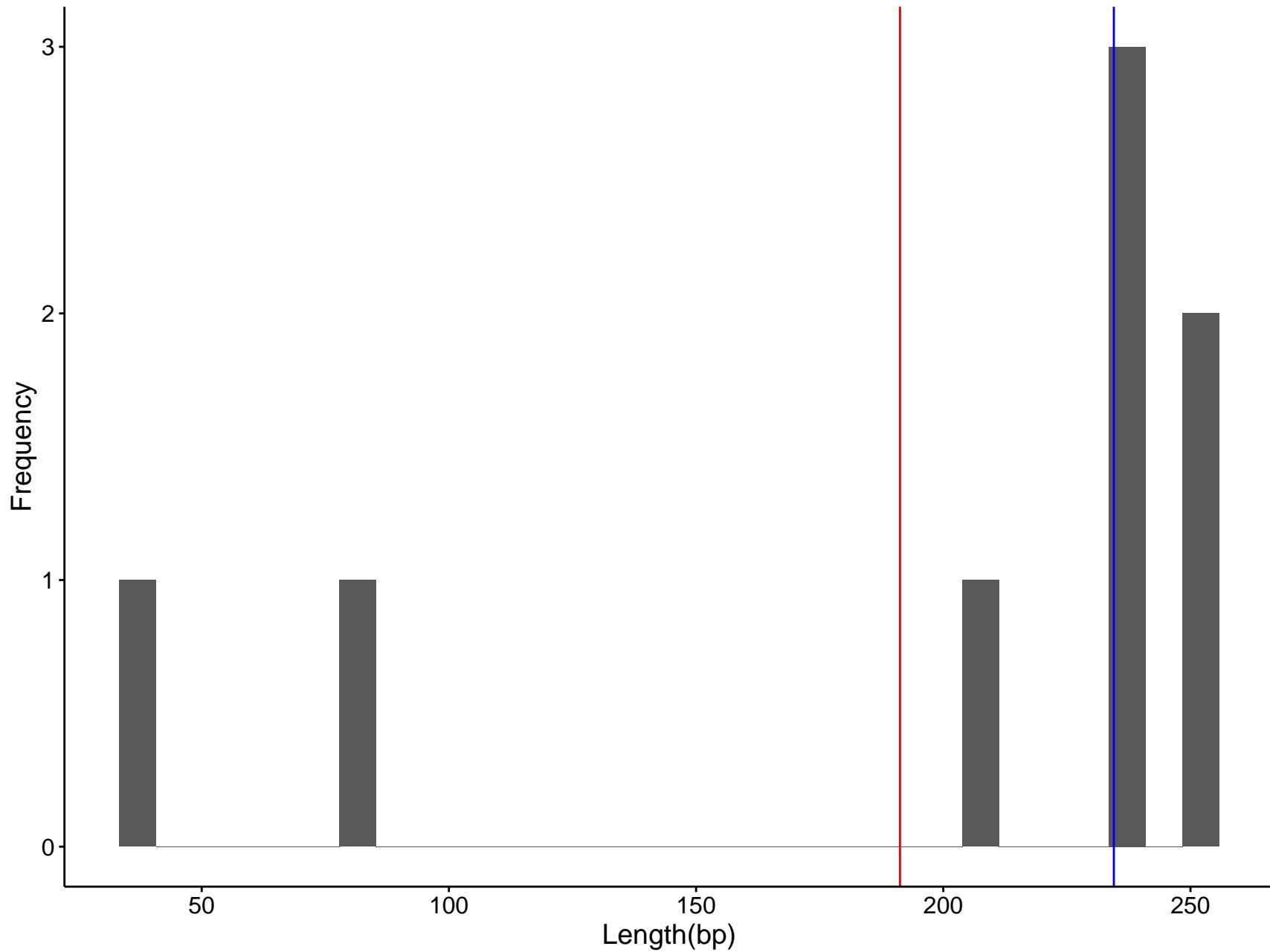
Cluster1626



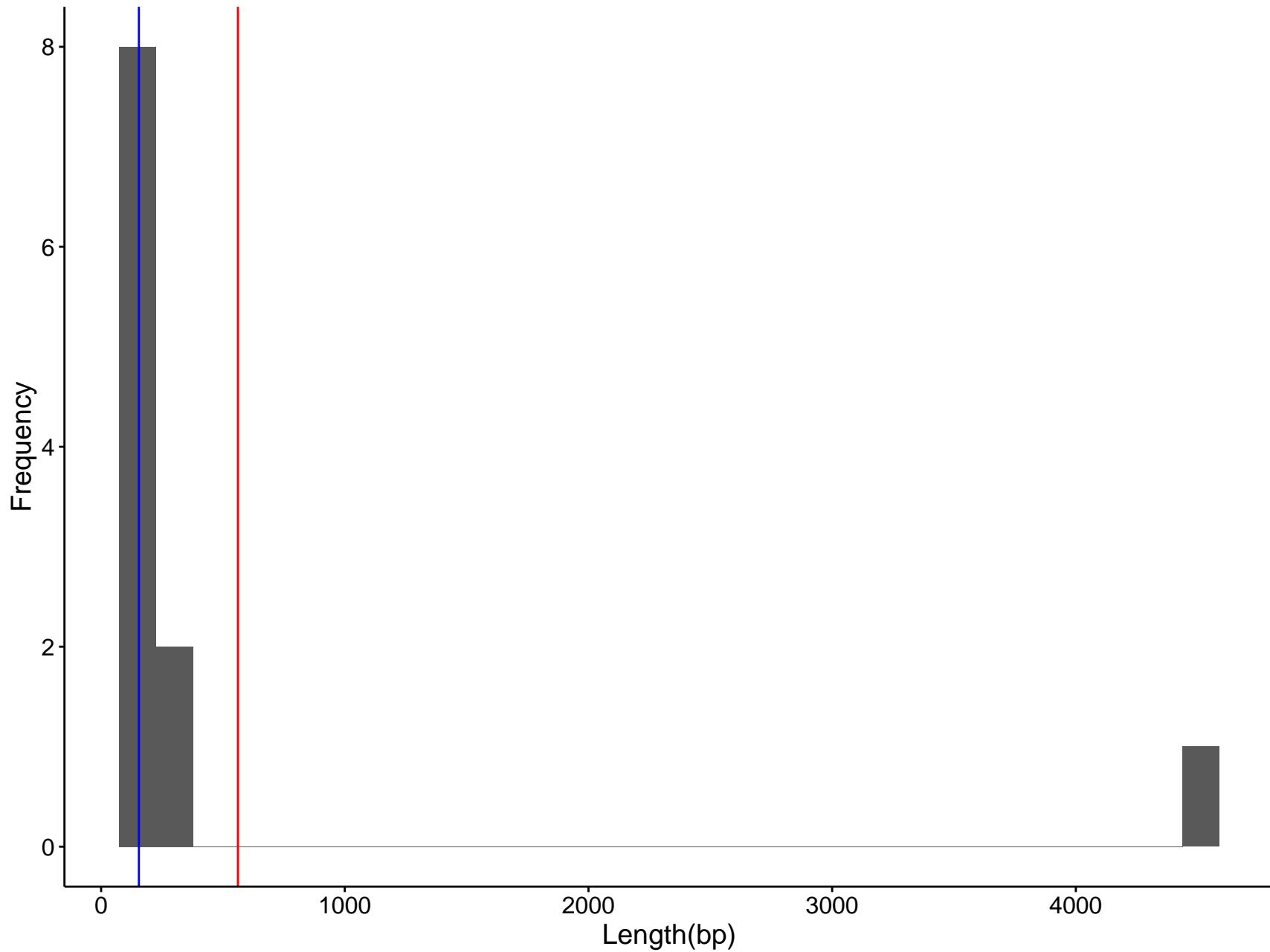
Cluster1630



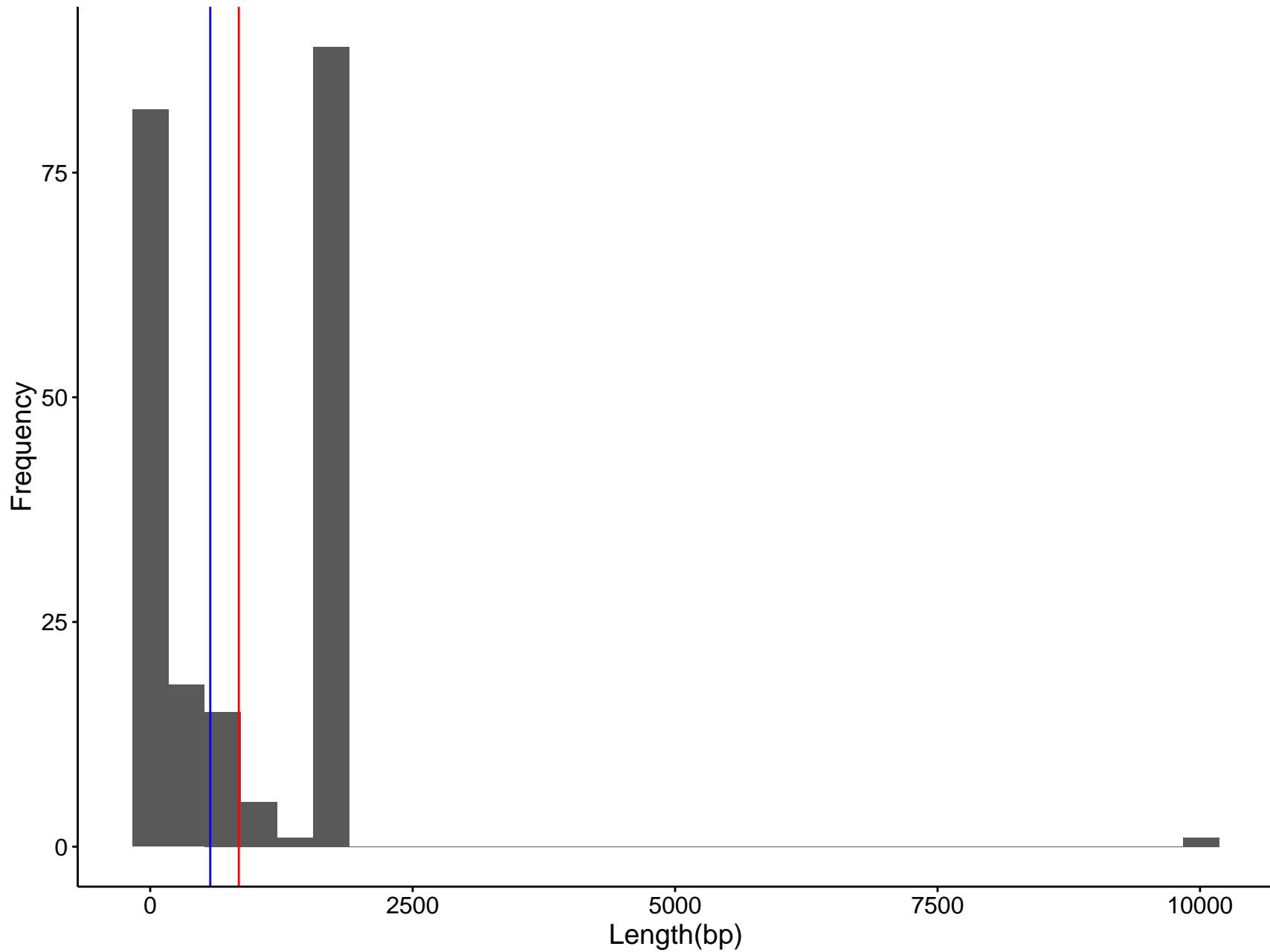
Cluster1631



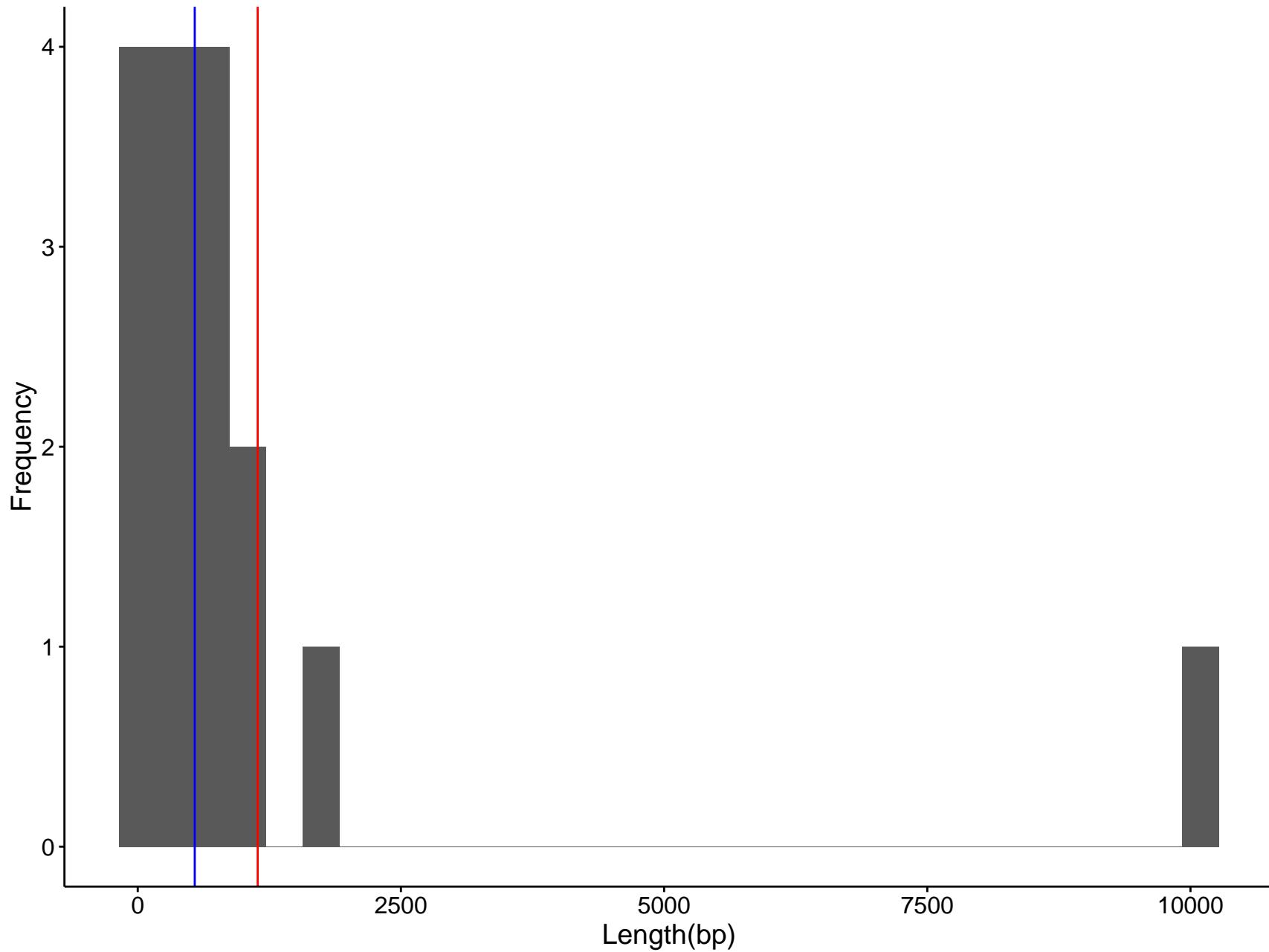
Cluster1632



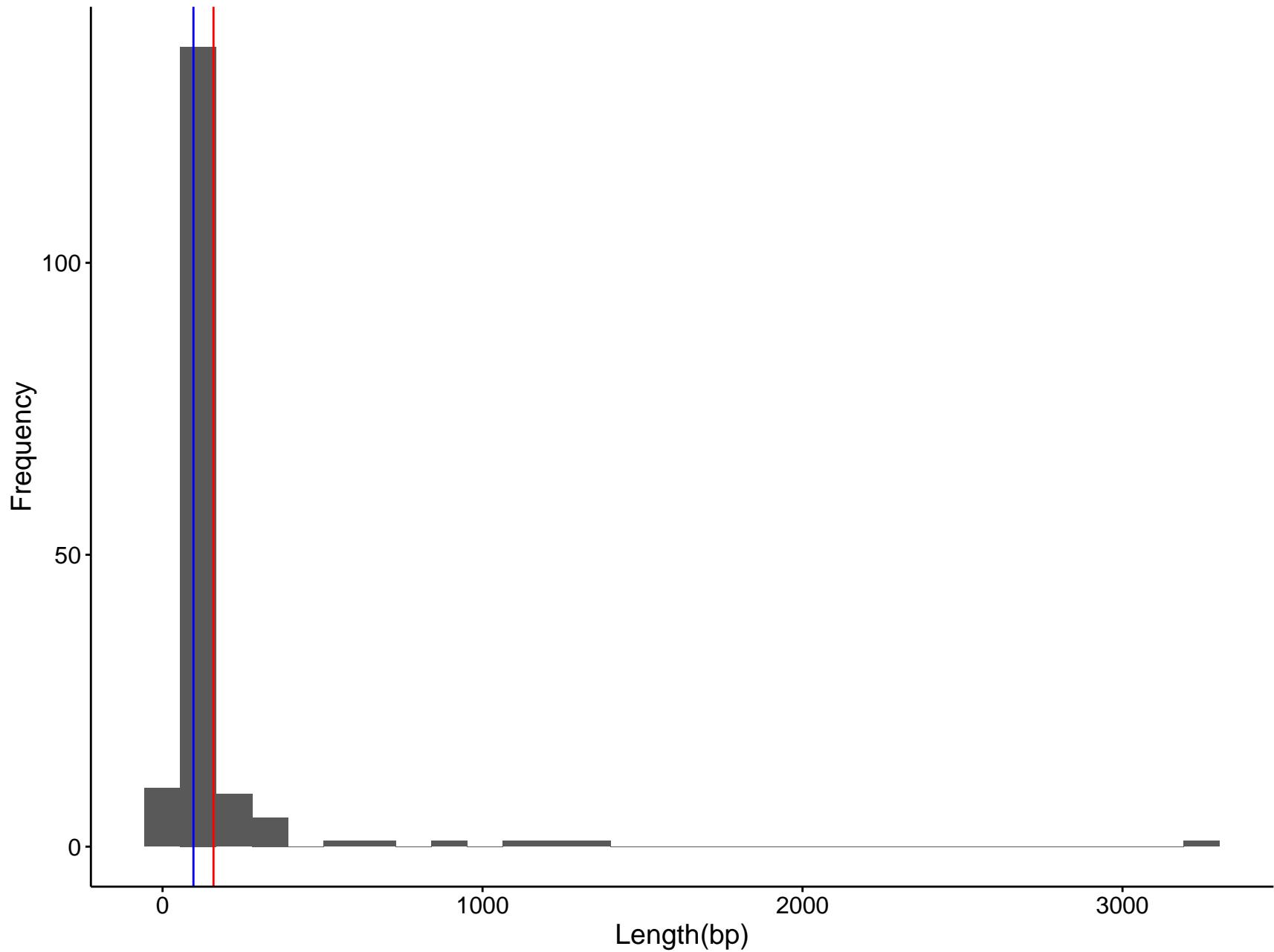
Cluster1633



Cluster1634



Cluster1635



Cluster1636

Frequency

5151.950

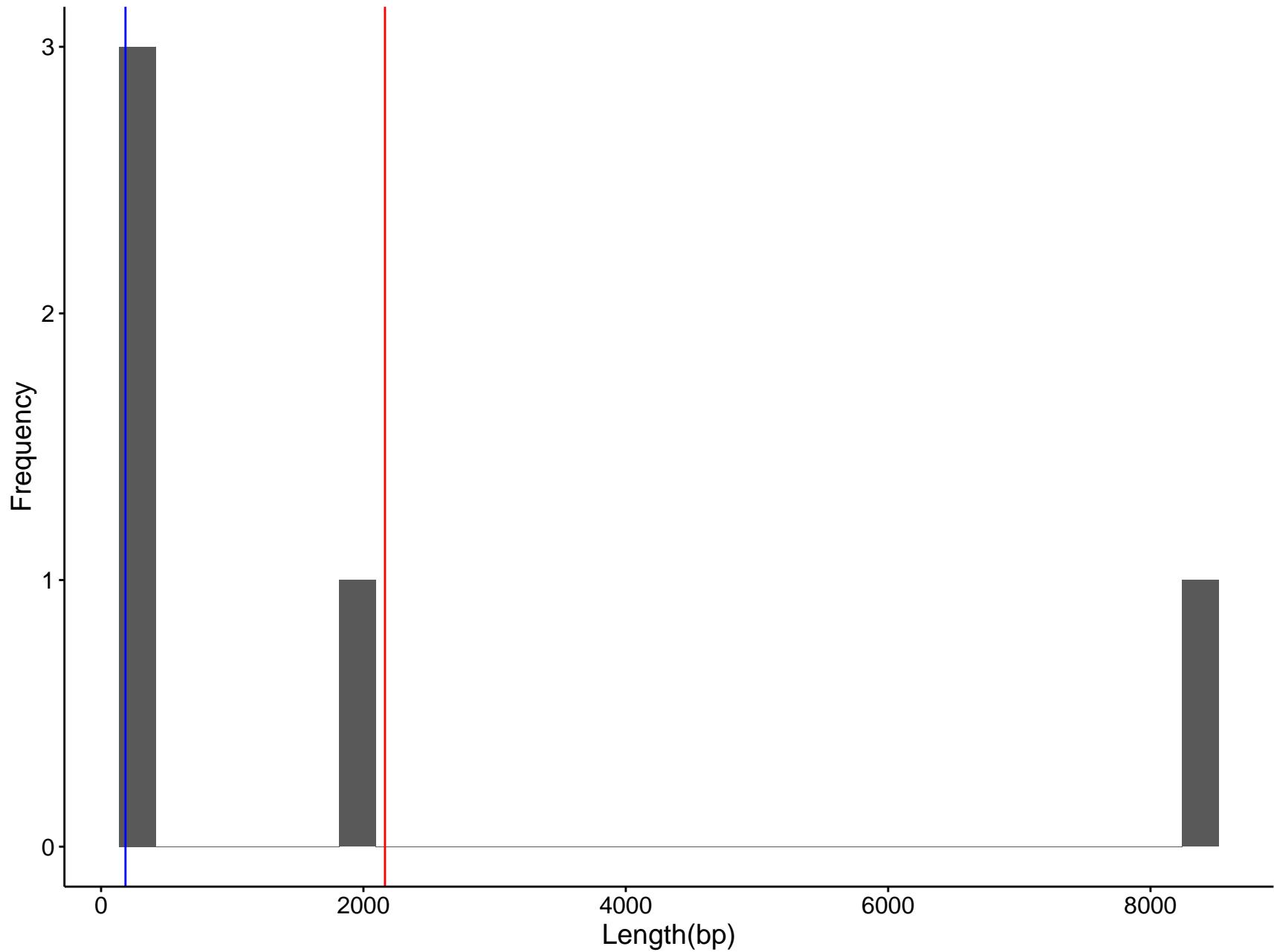
5151.975

5152.000  
Length(bp)

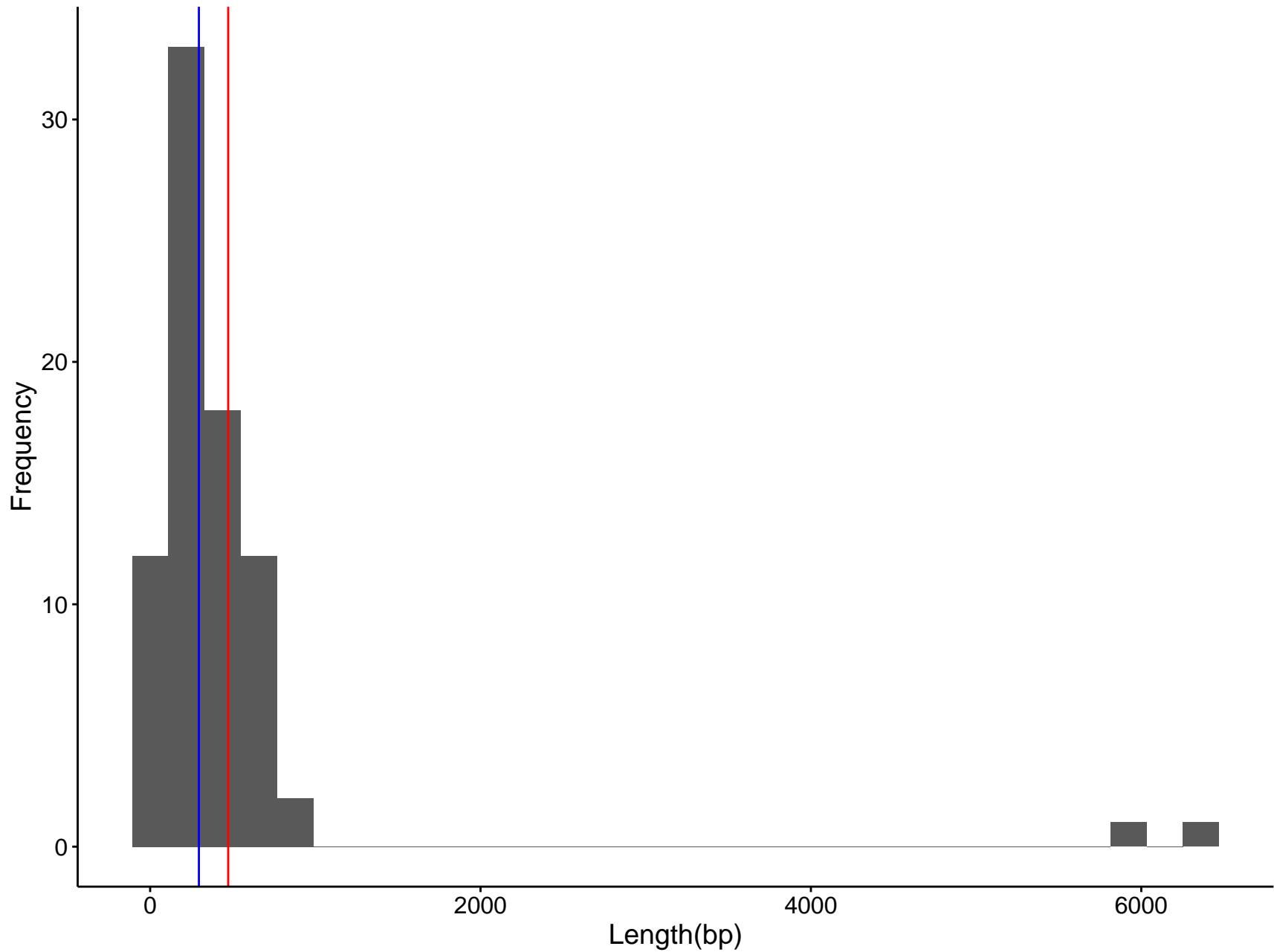
5152.025



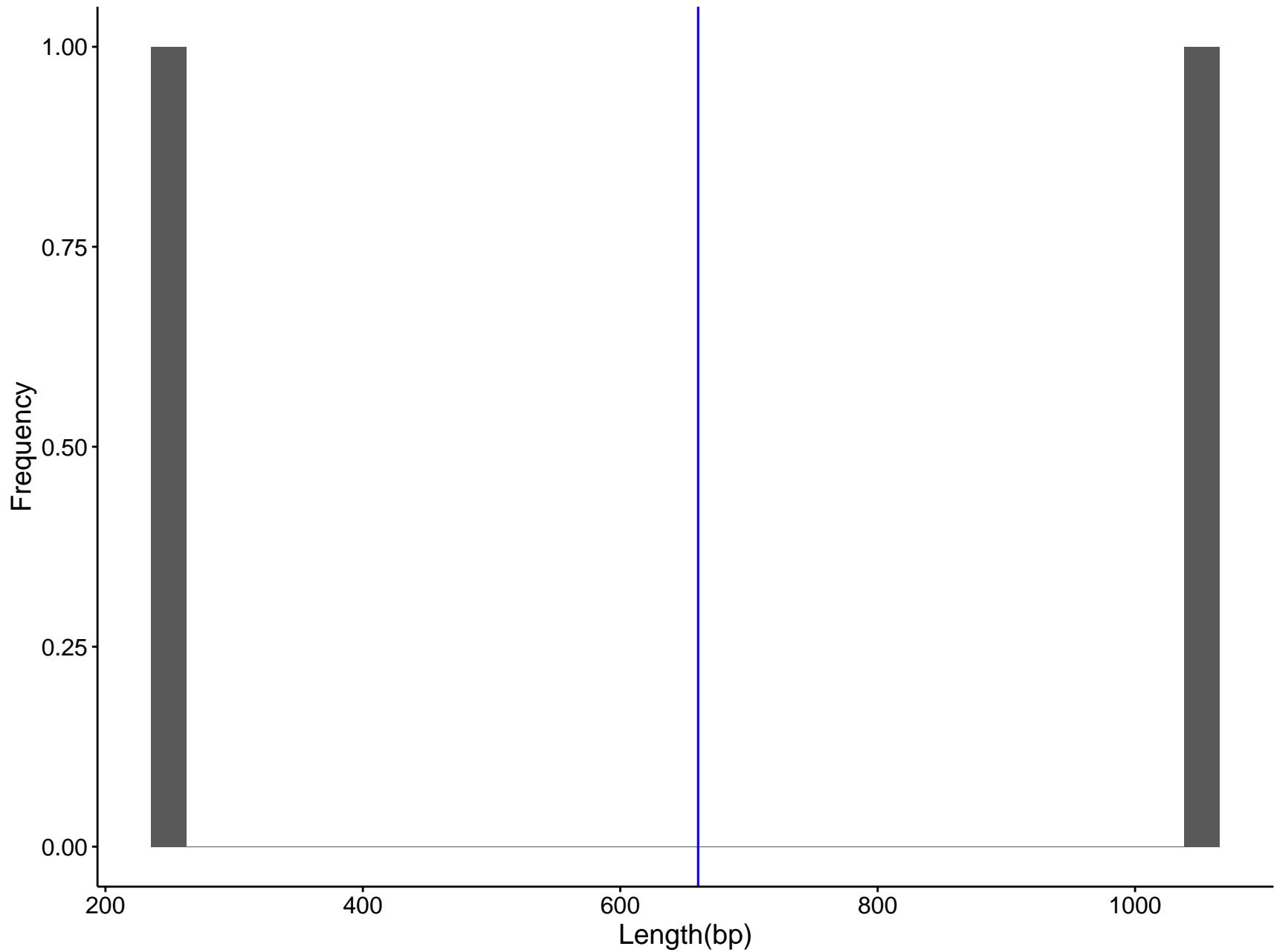
Cluster1638



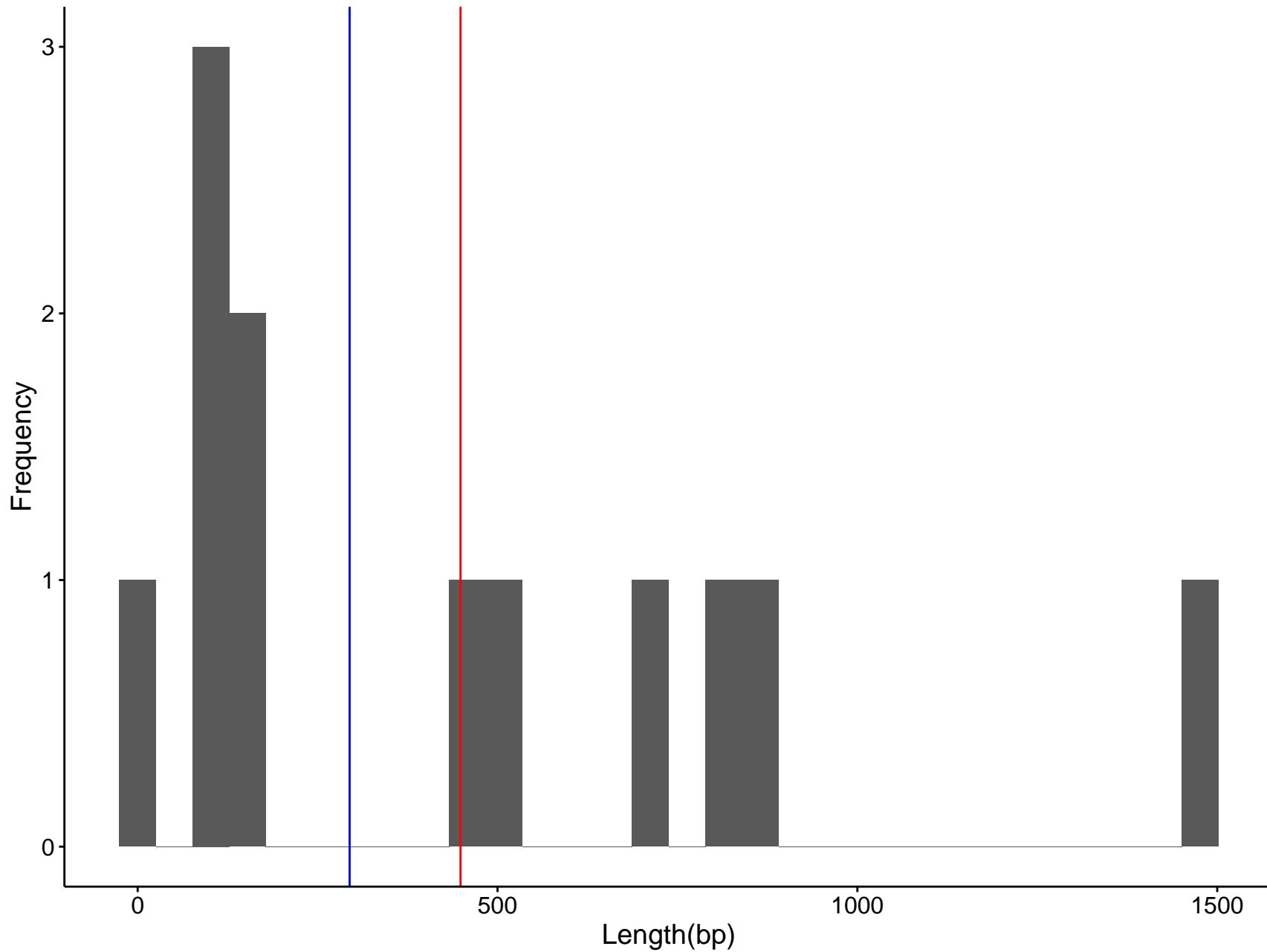
Cluster1639



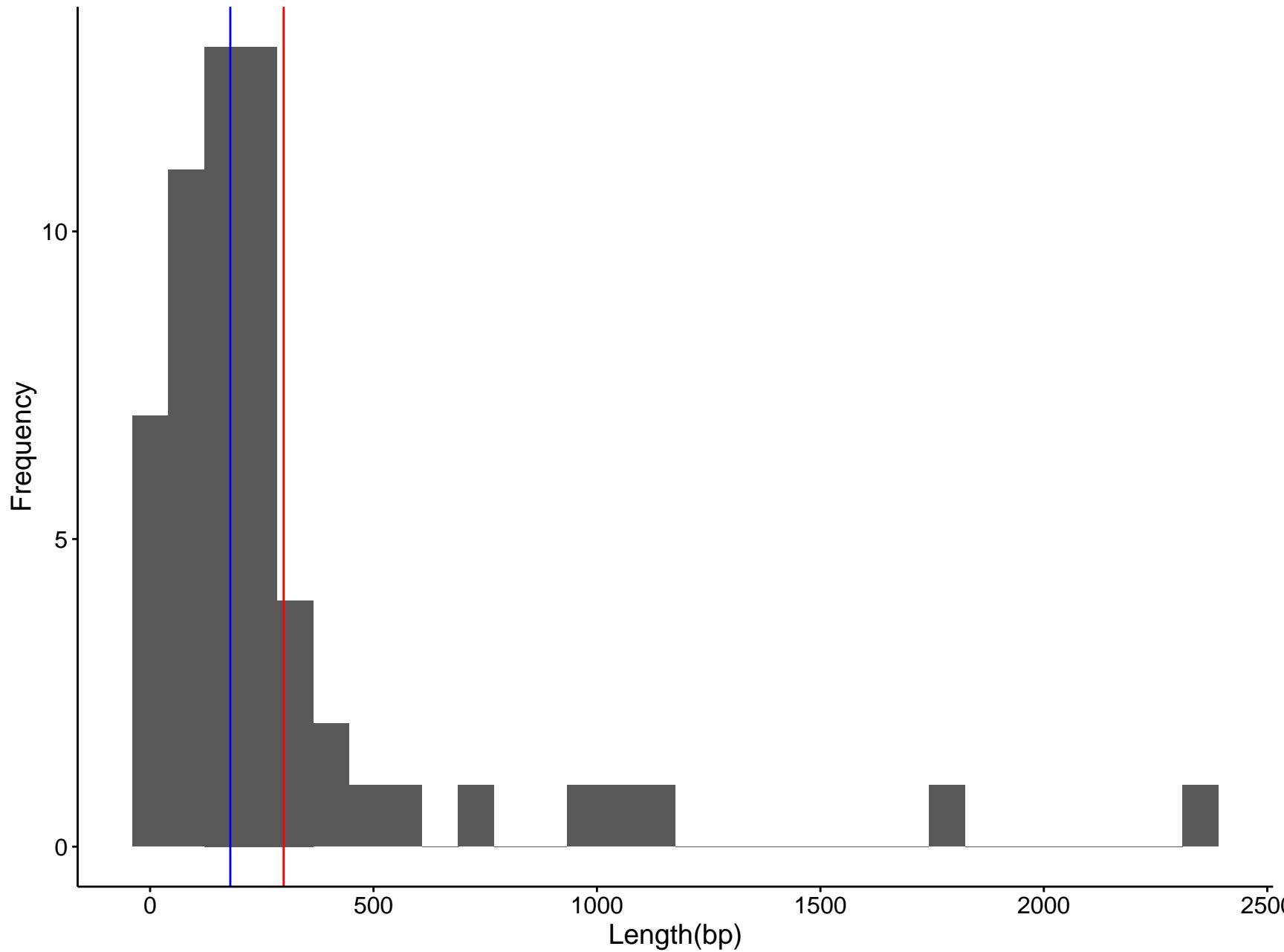
Cluster163



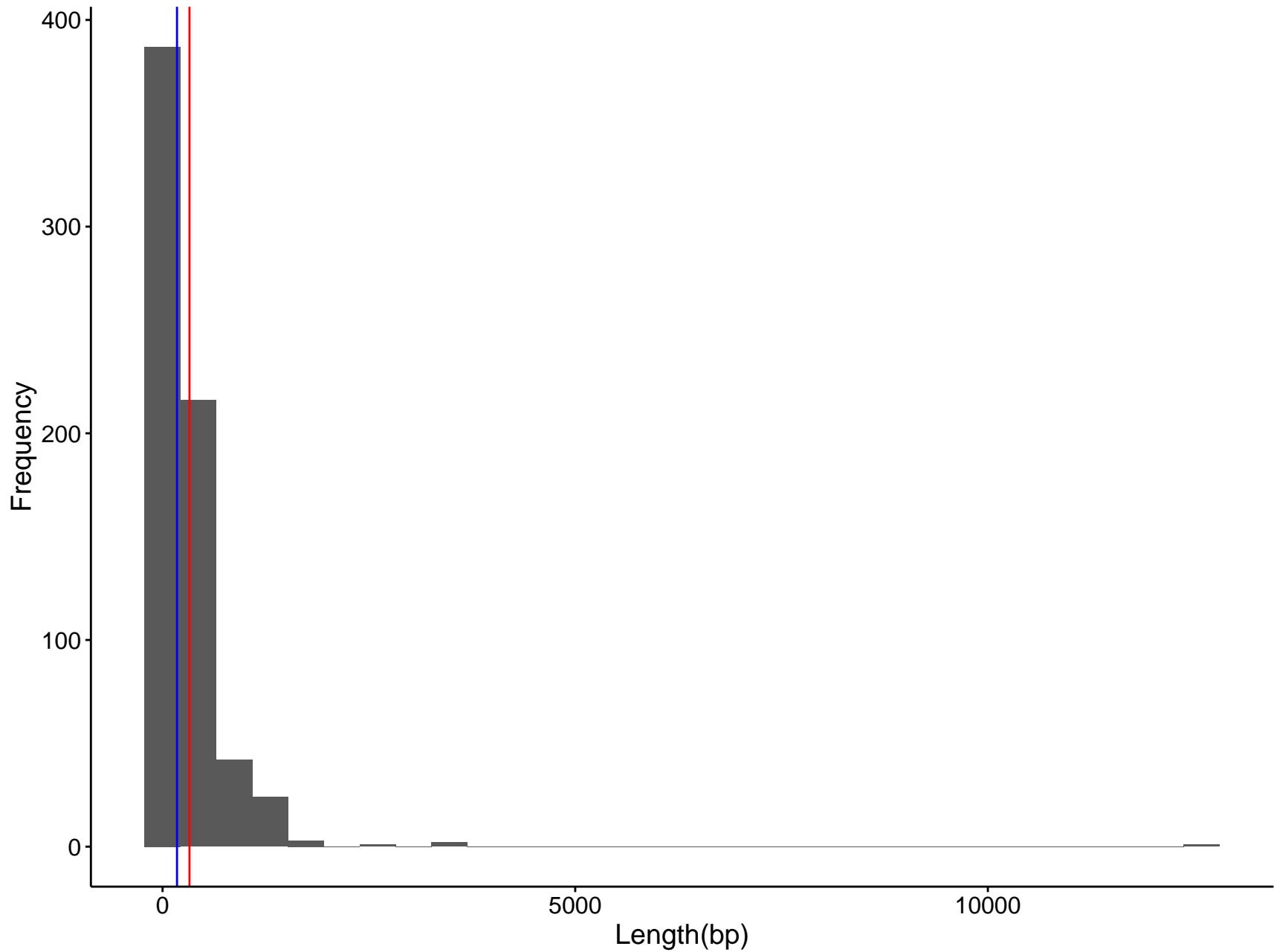
Cluster1640



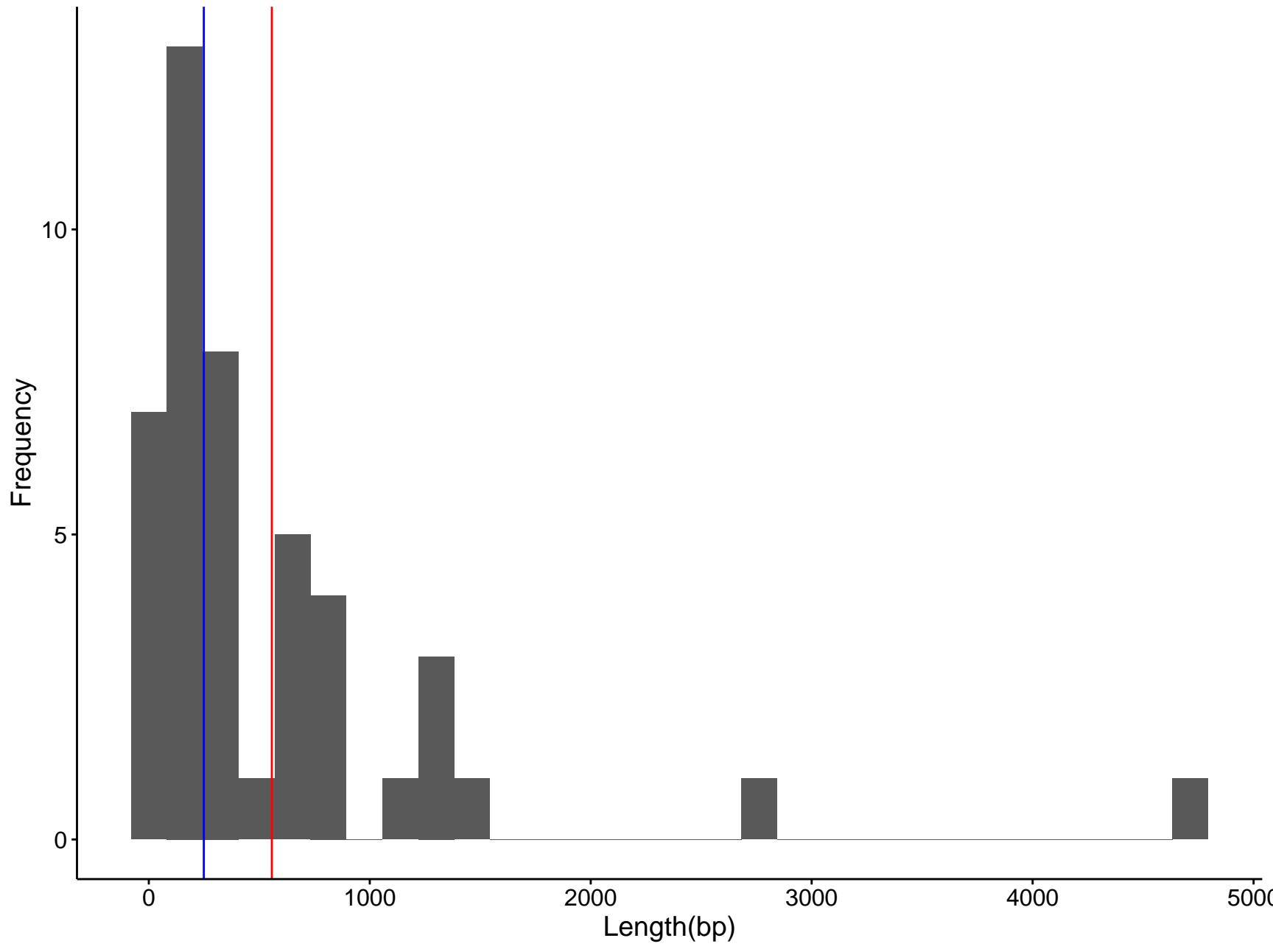
Cluster1641



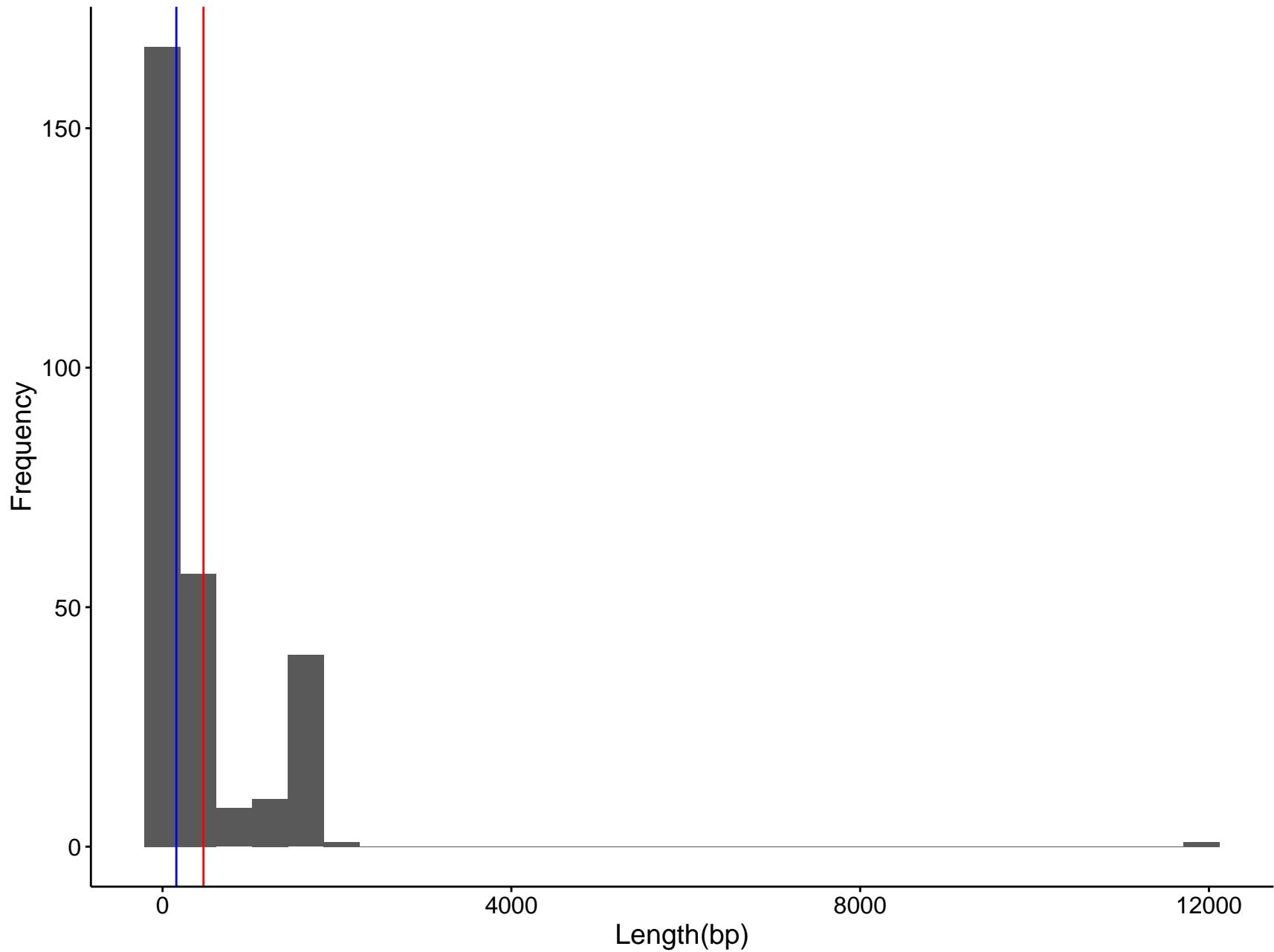
Cluster1642



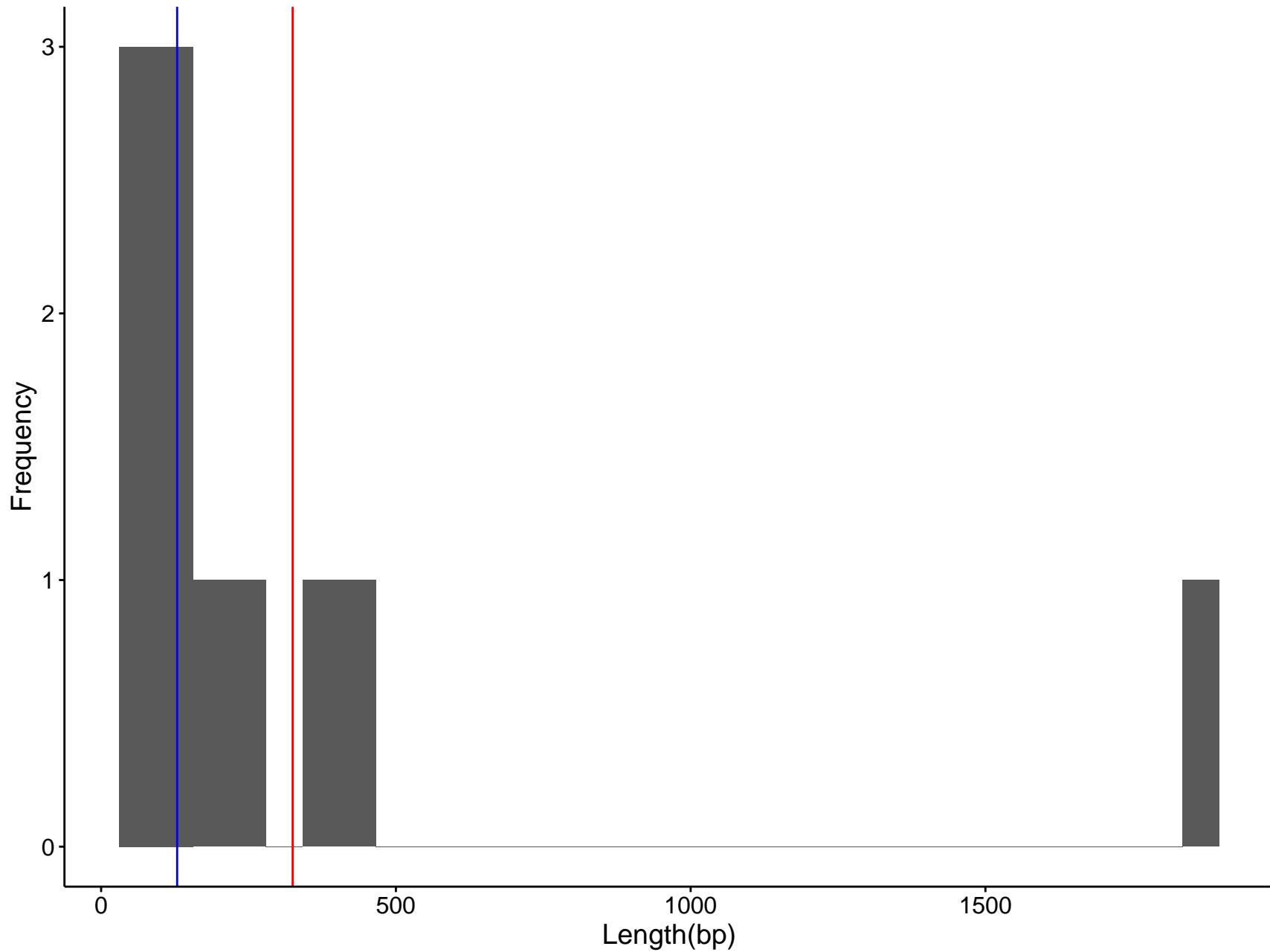
Cluster1643



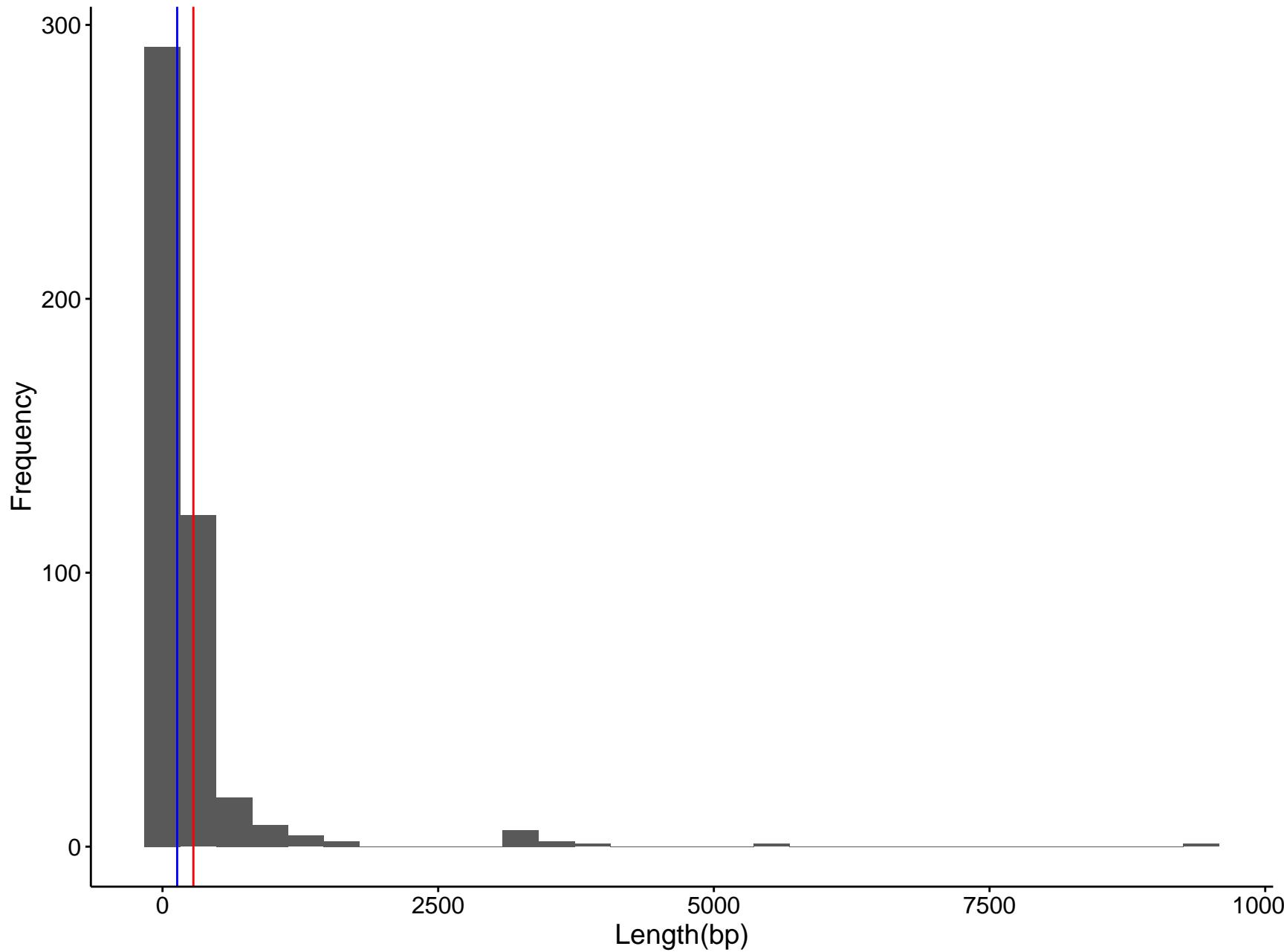
Cluster1644



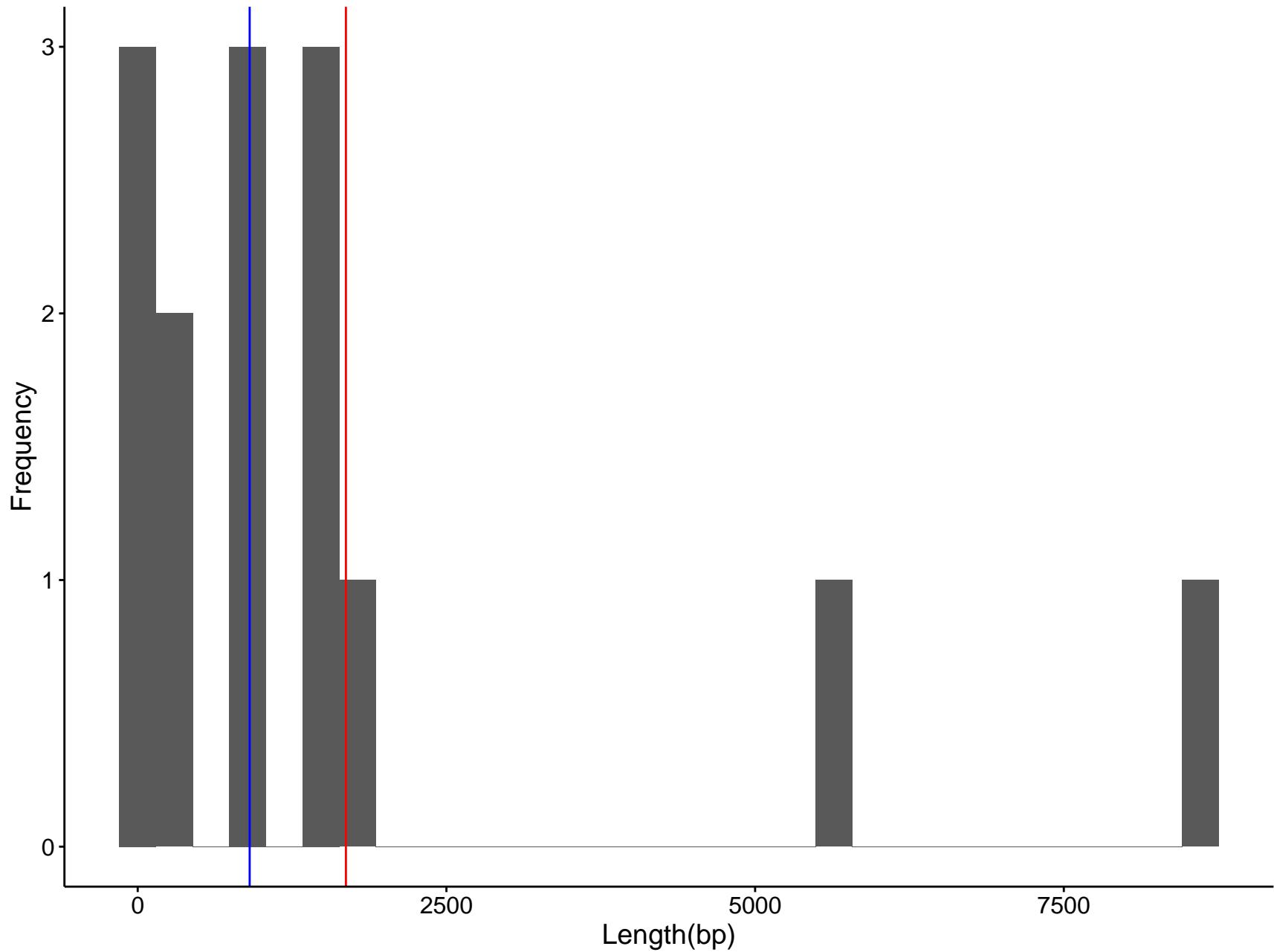
Cluster1646



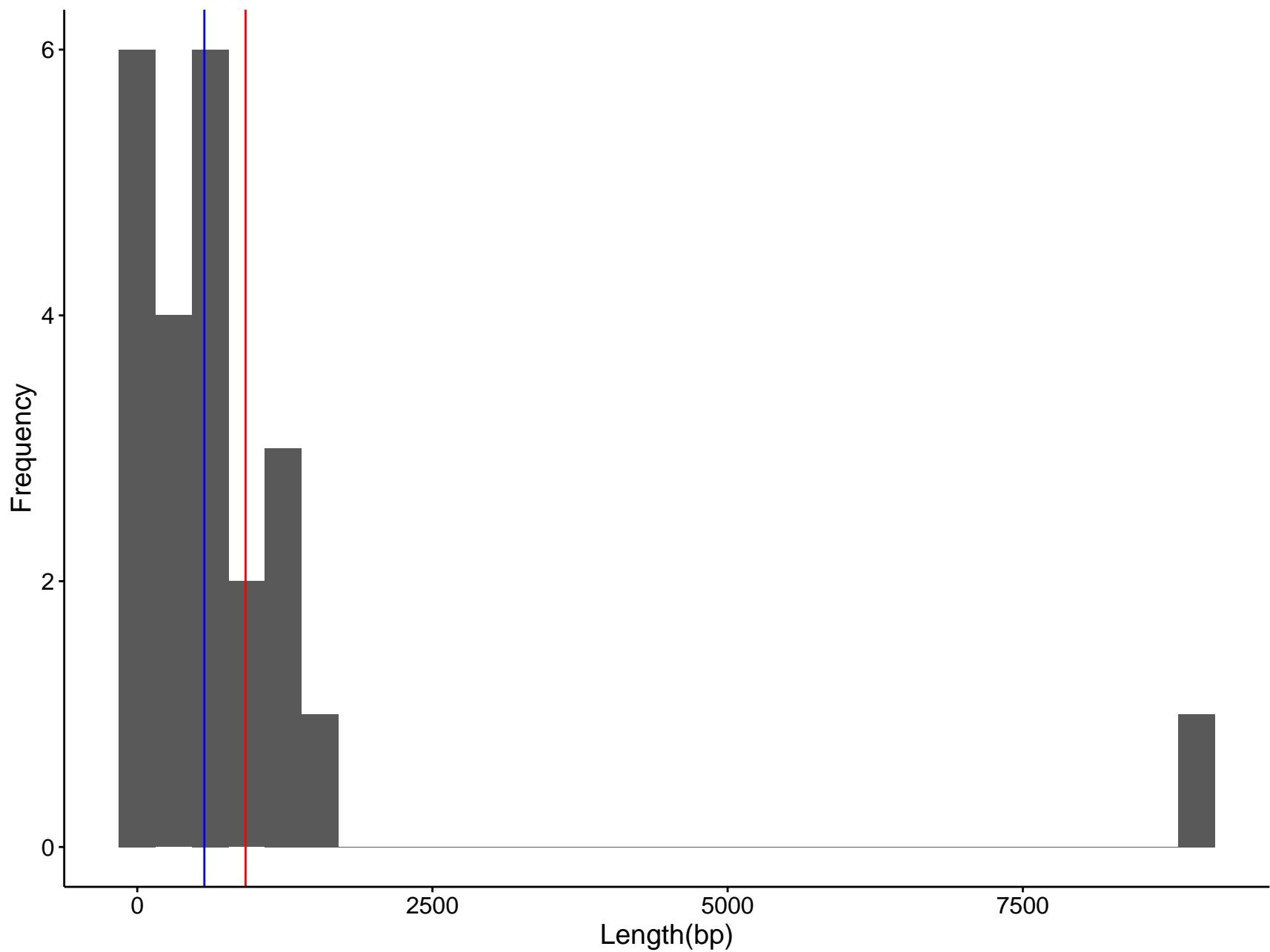
Cluster1647



Cluster1648



Cluster1649



# Cluster164

Frequency

45.950

45.975

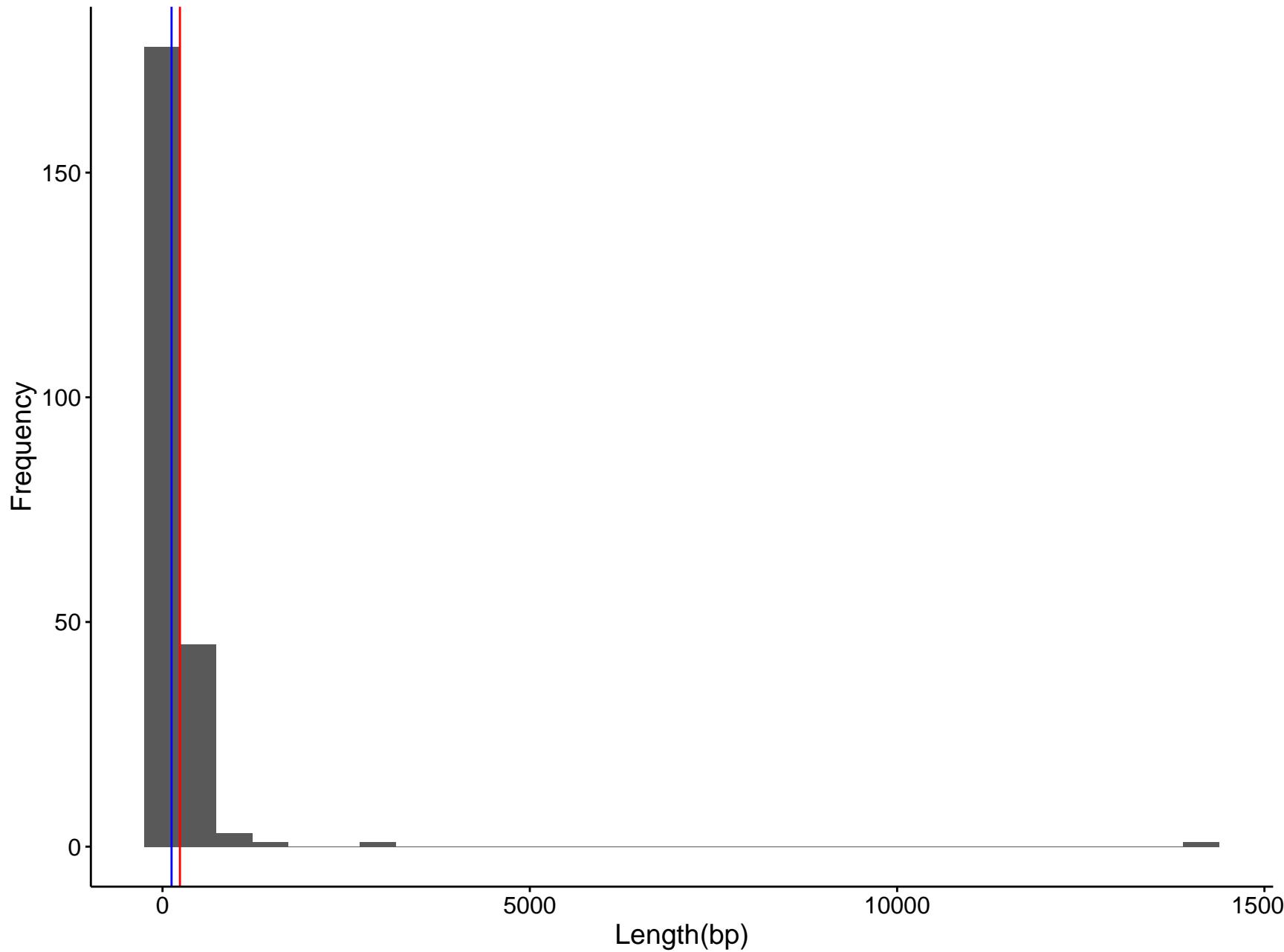
46.000

46.025

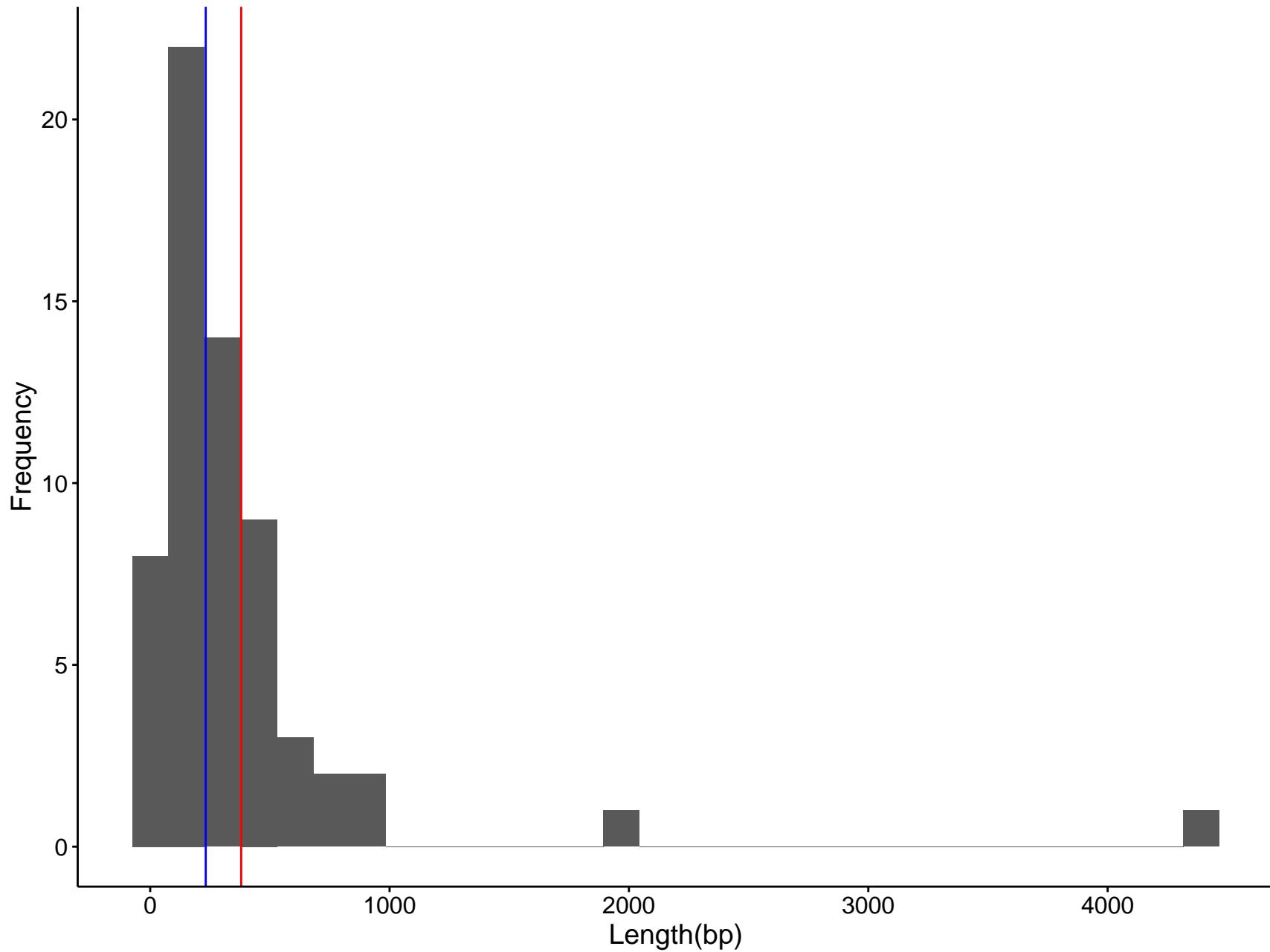
Length(bp)



Cluster1650



Cluster1651



Cluster1653

Frequency

1032.950

1032.975

1033.000

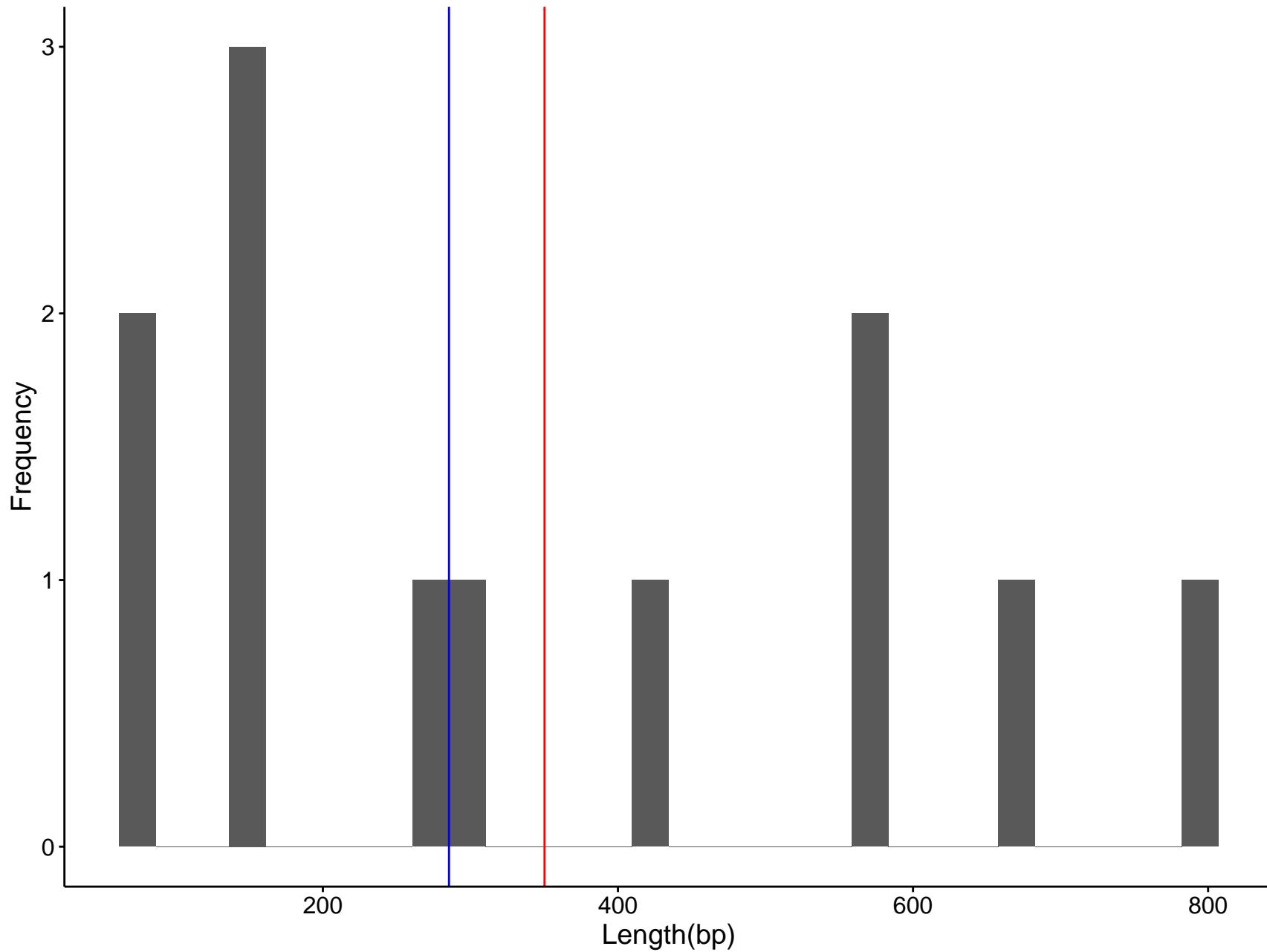
1033.025

1033.

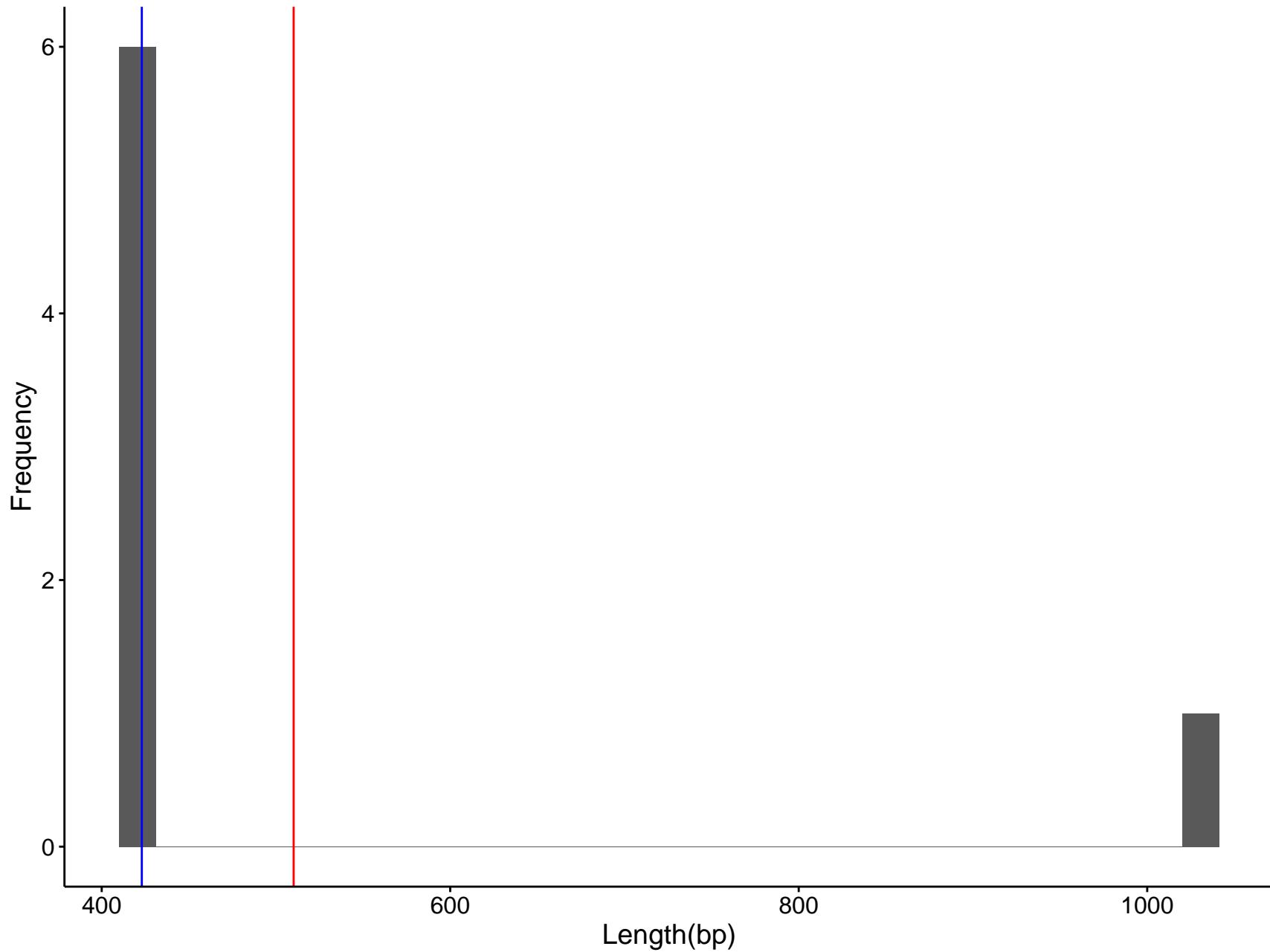
Length(bp)



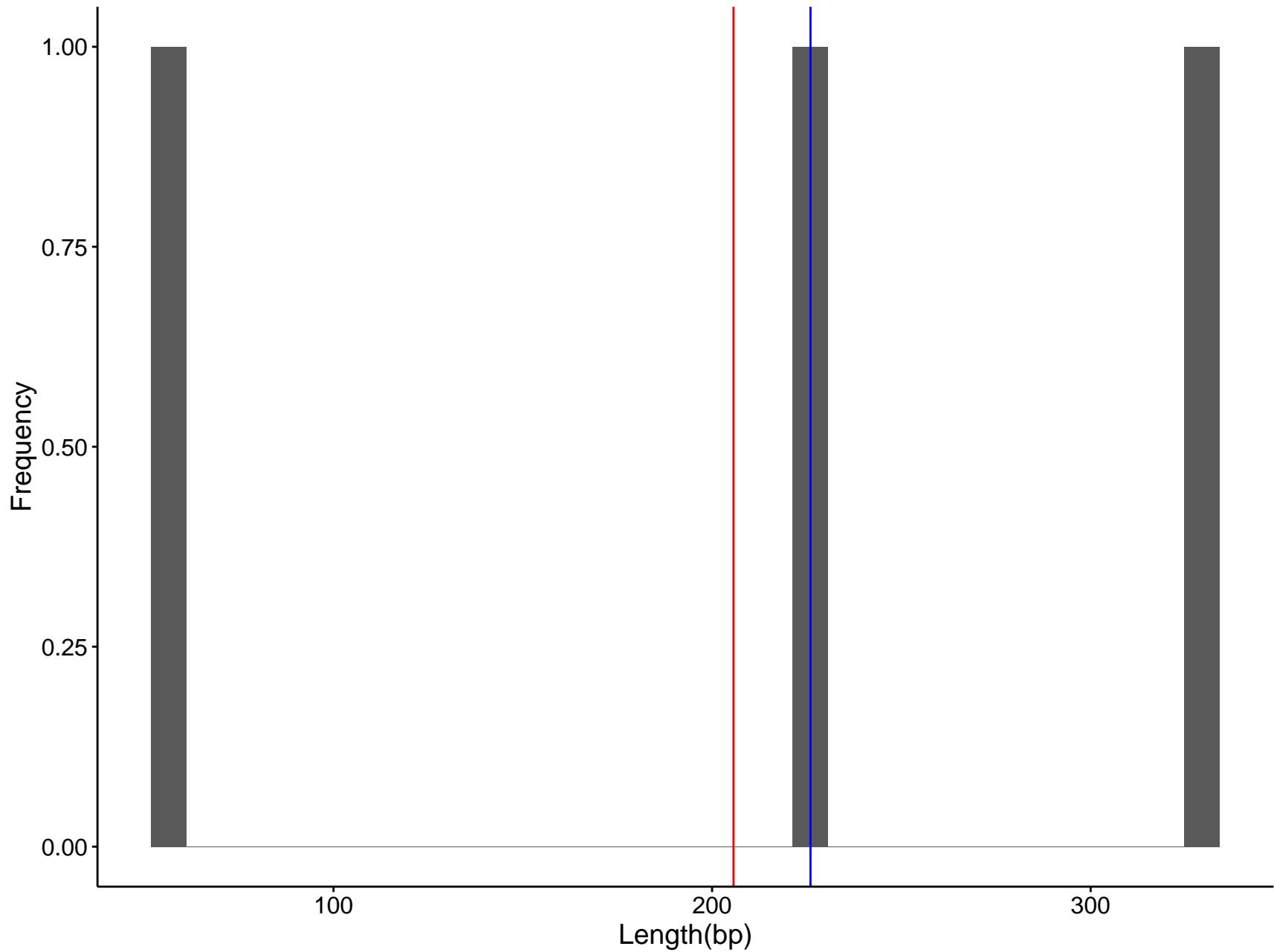
Cluster1654



Cluster1657



Cluster1658



Cluster1659

Frequency

157.950

157.975

158.000

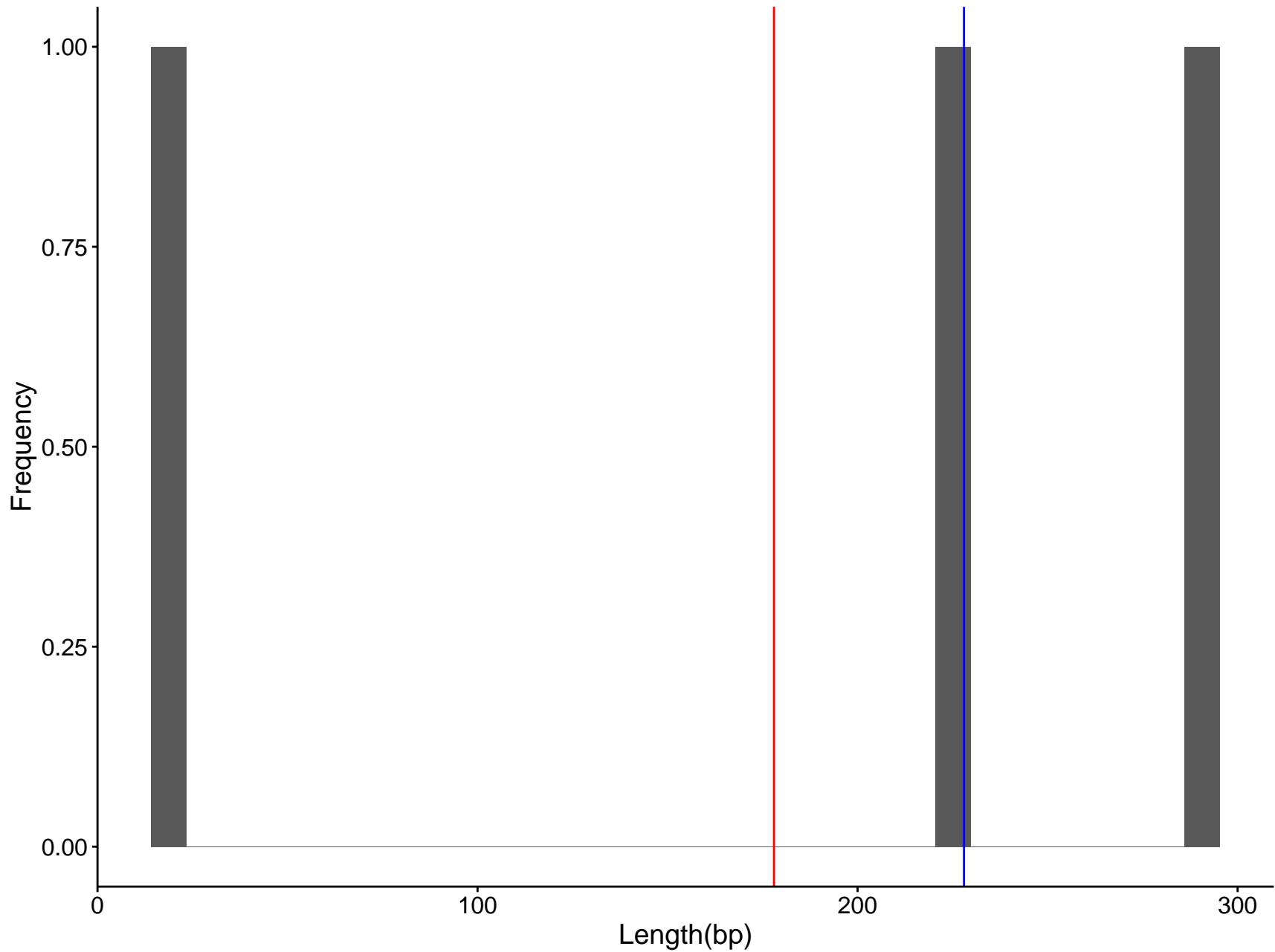
158.025

158.050

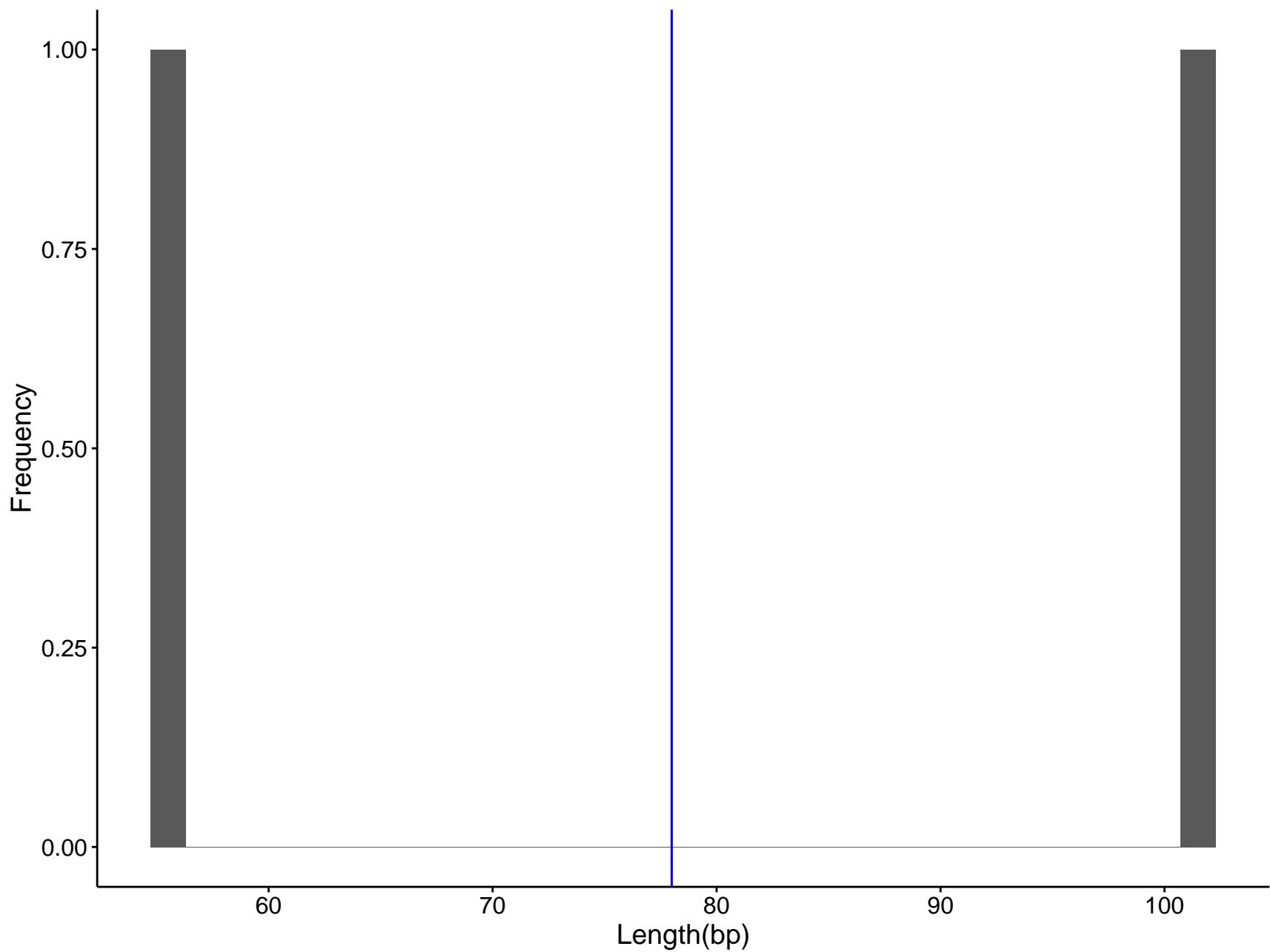
Length(bp)



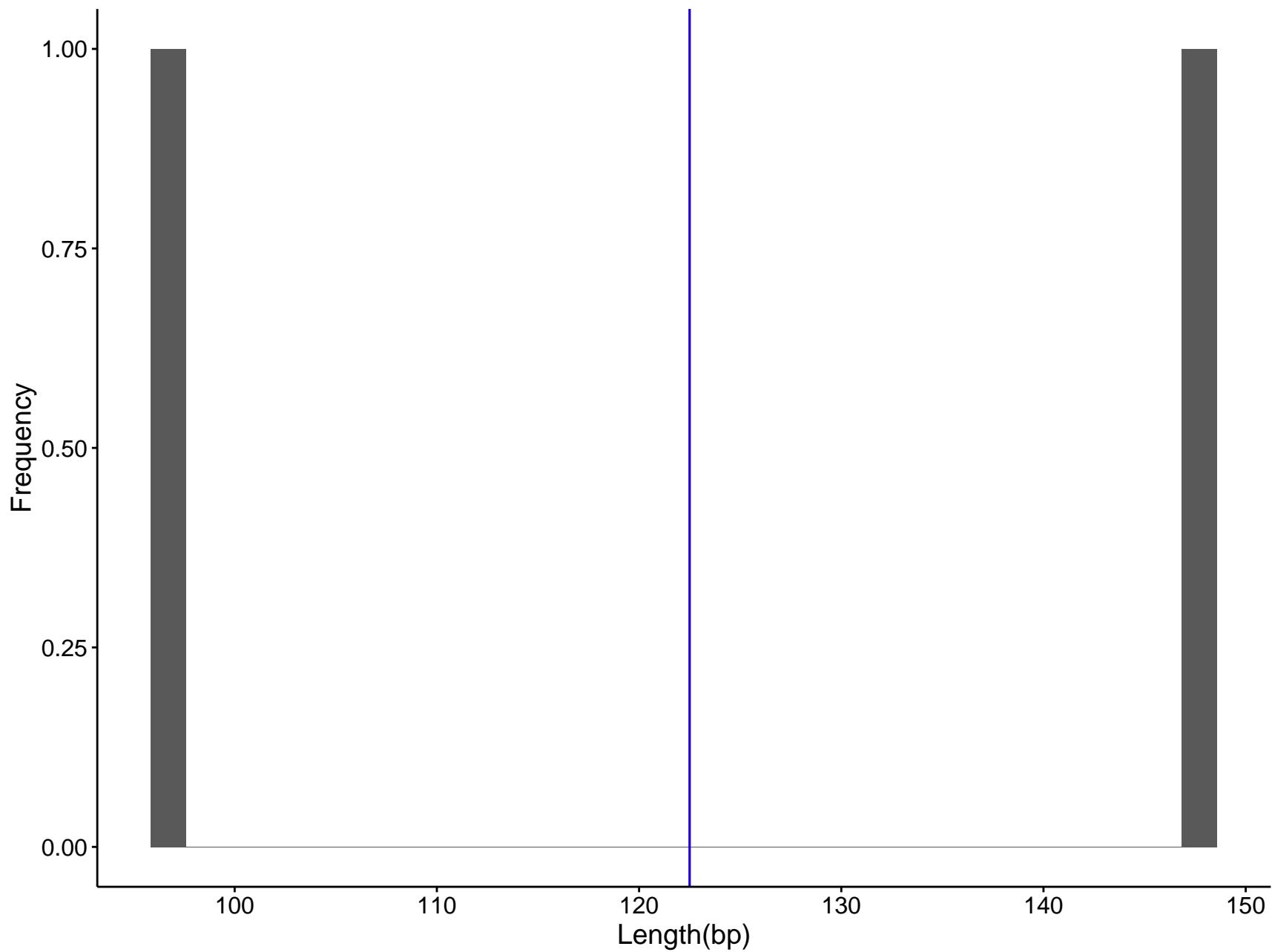
Cluster165



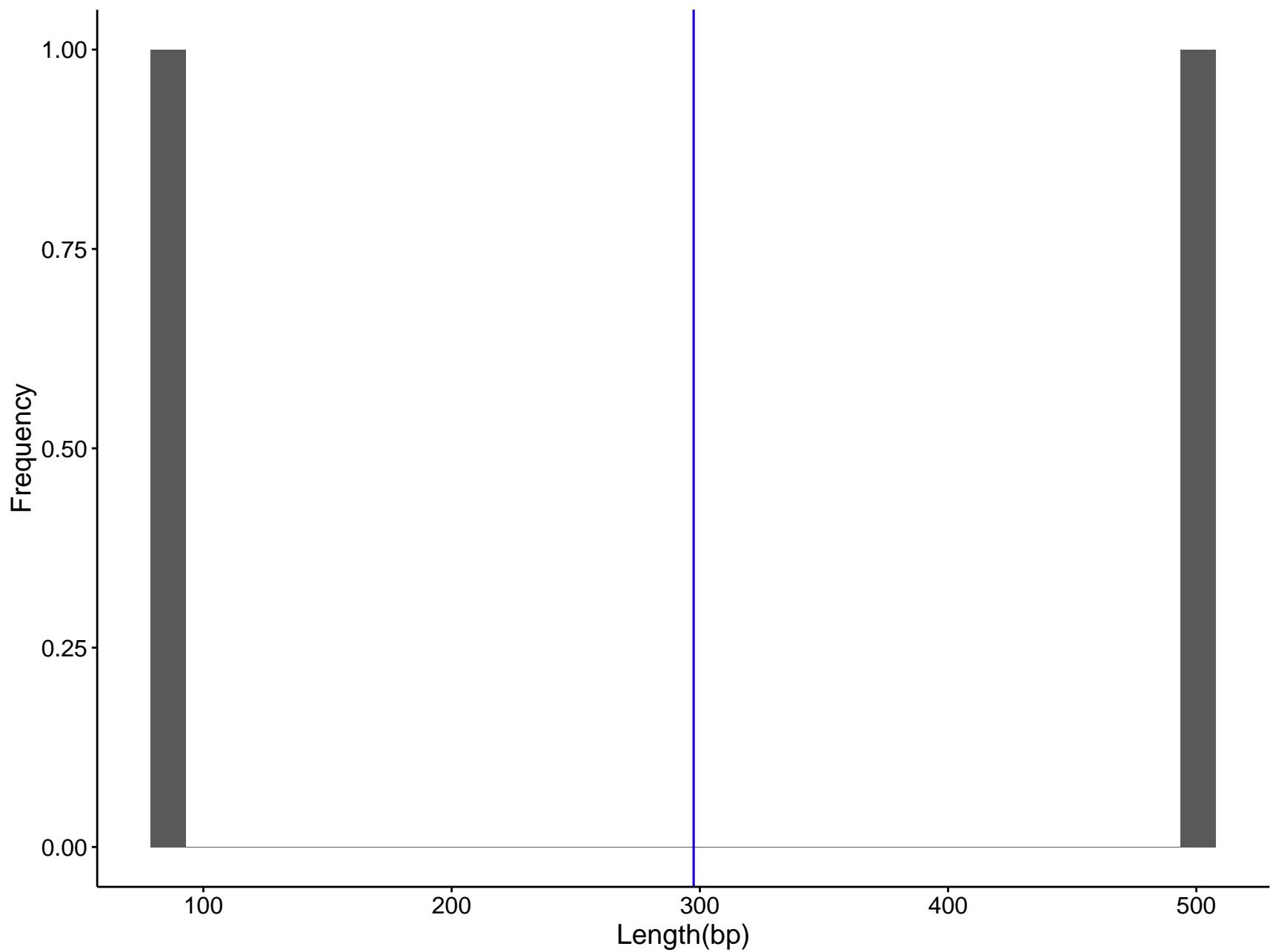
Cluster1660



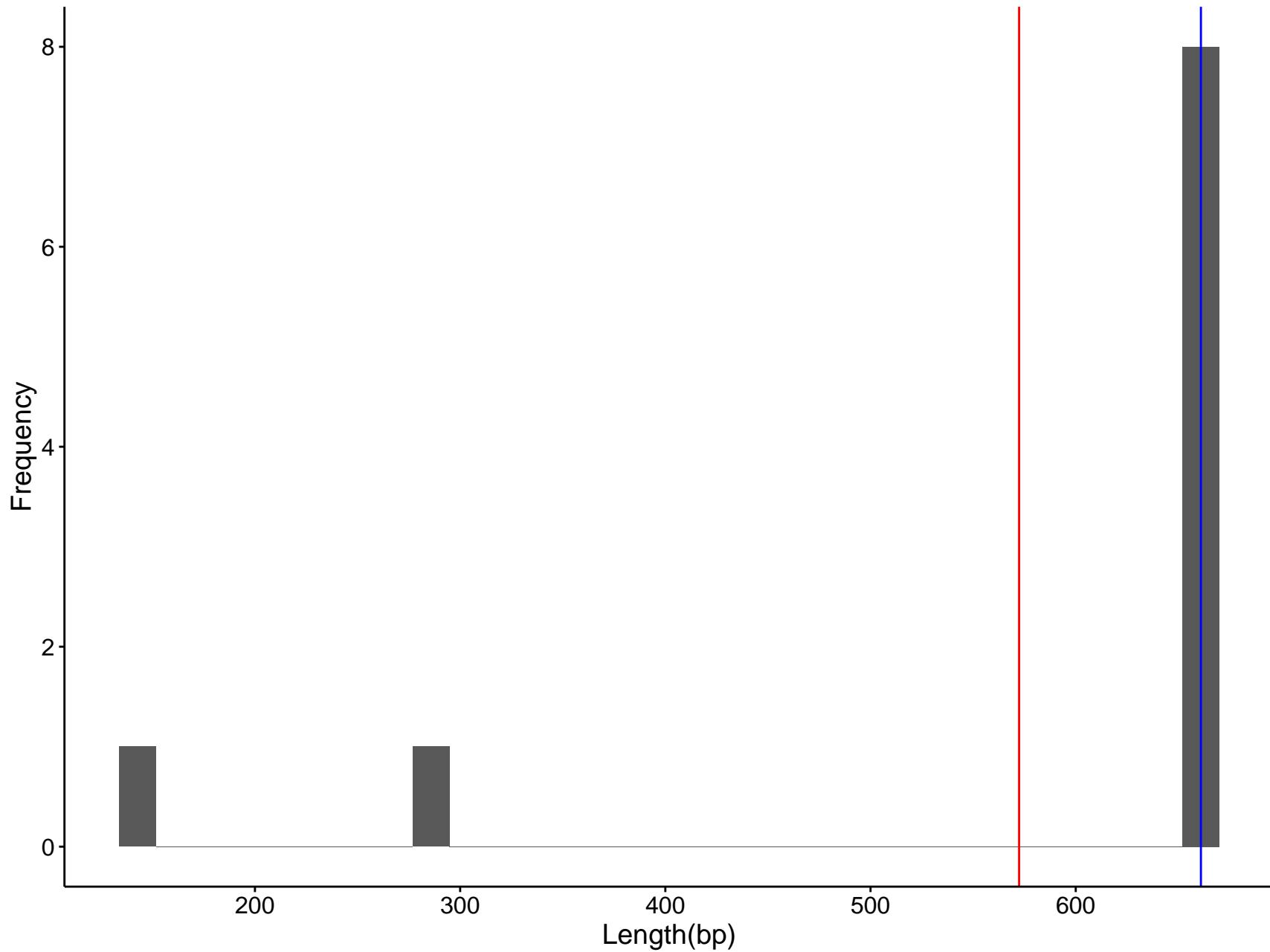
Cluster1661



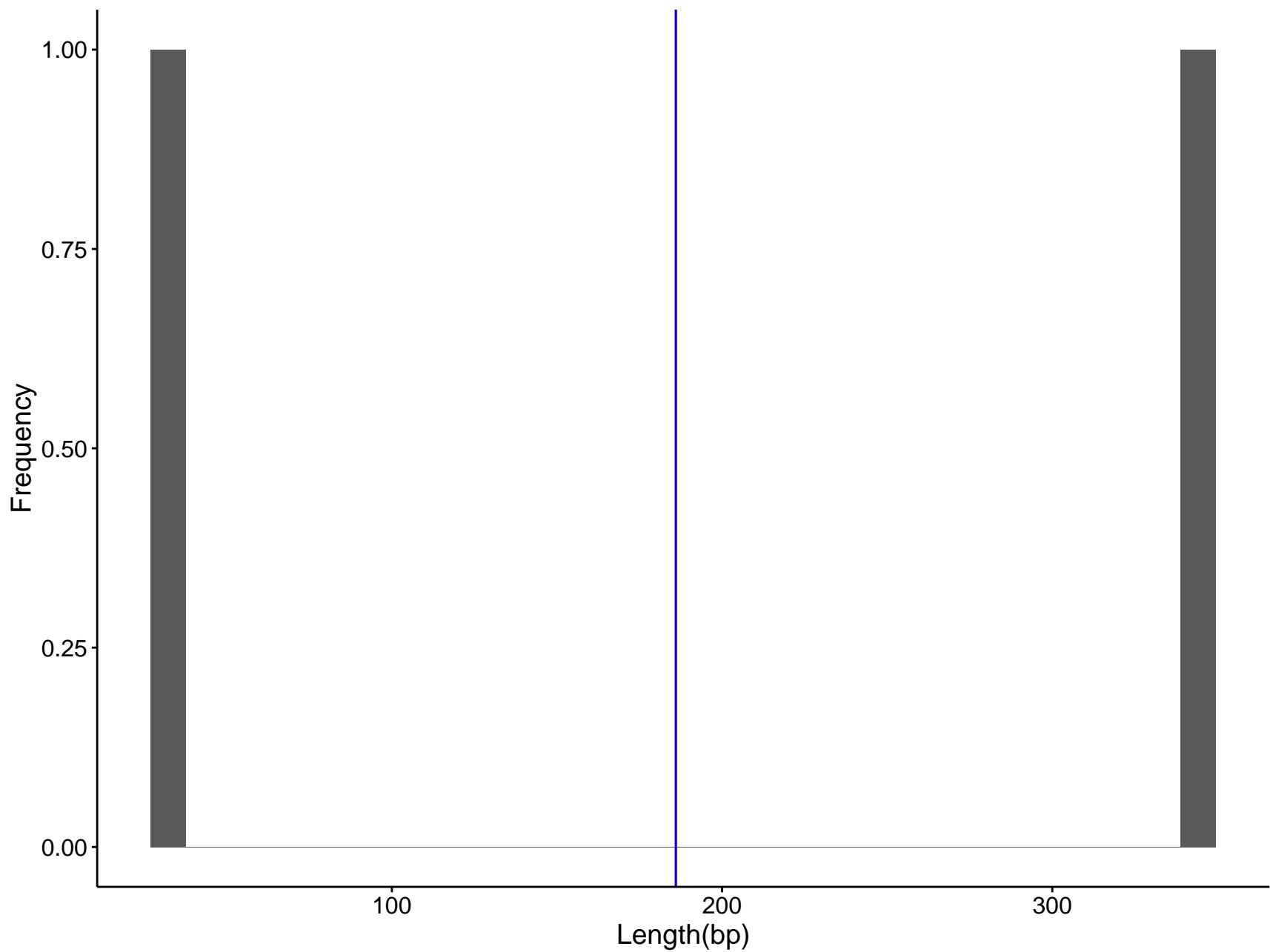
Cluster1662



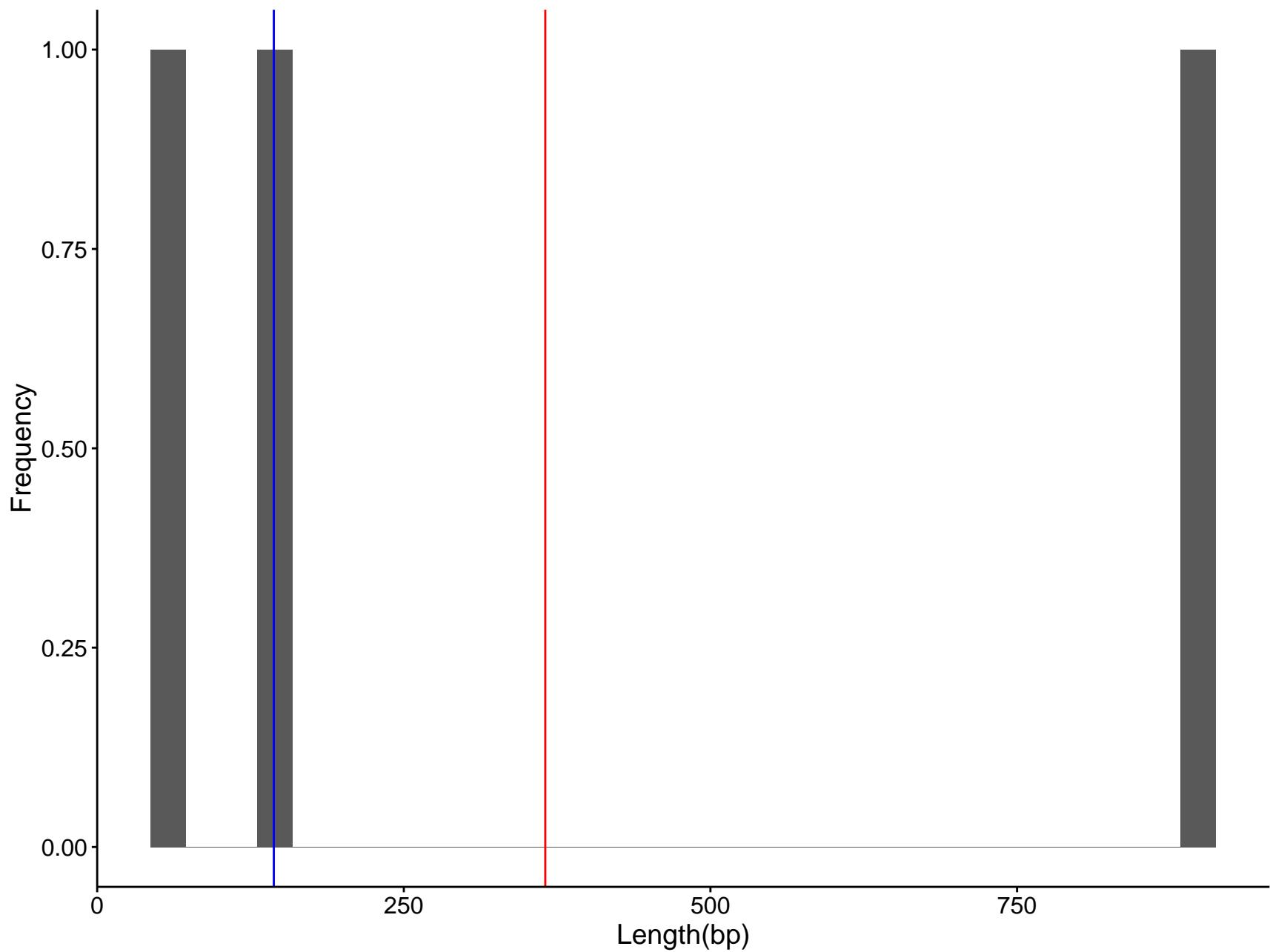
Cluster1663



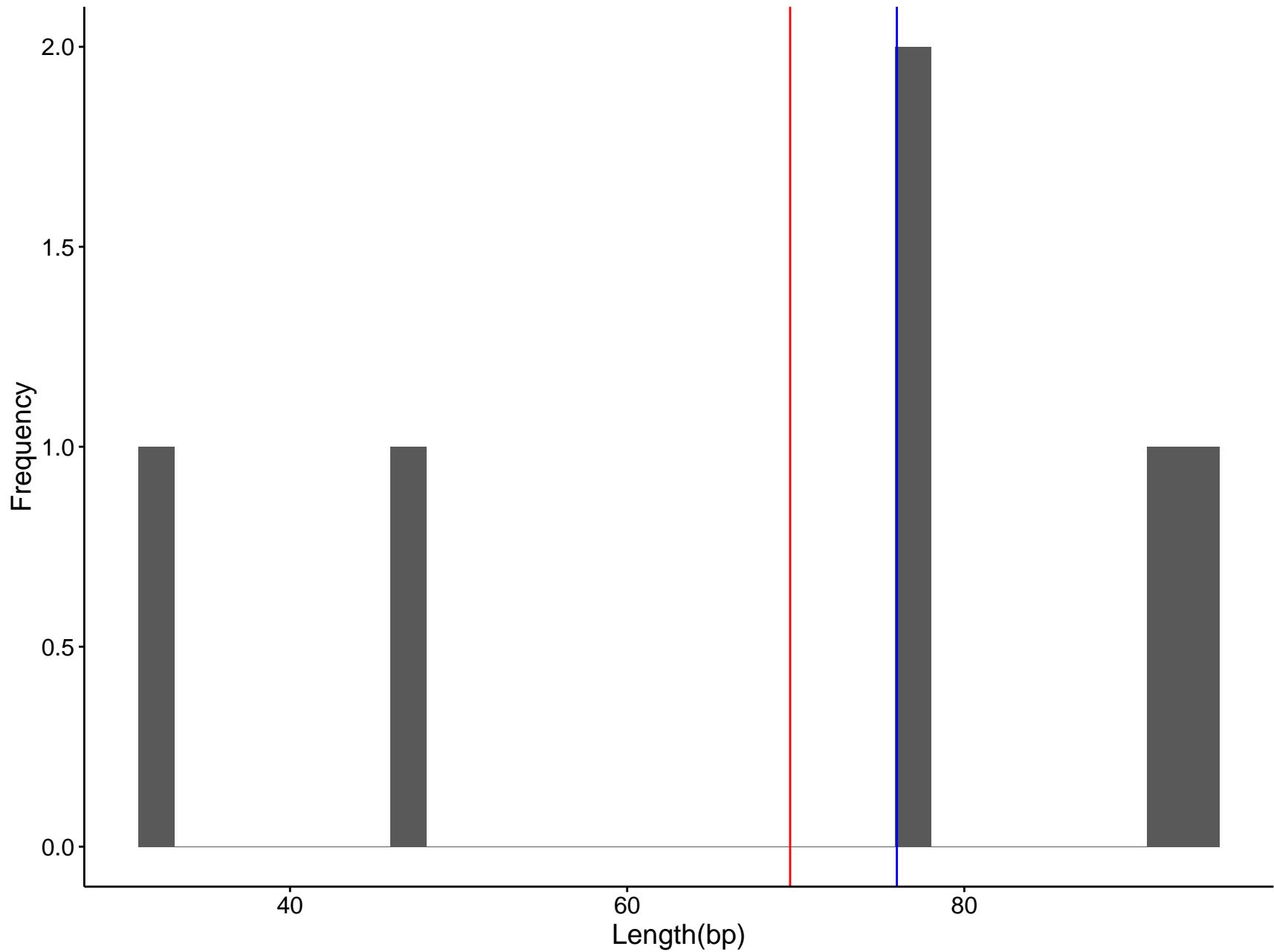
Cluster1664



Cluster1665



Cluster1666



# Cluster1667

Frequency

164.950

164.975

165.000

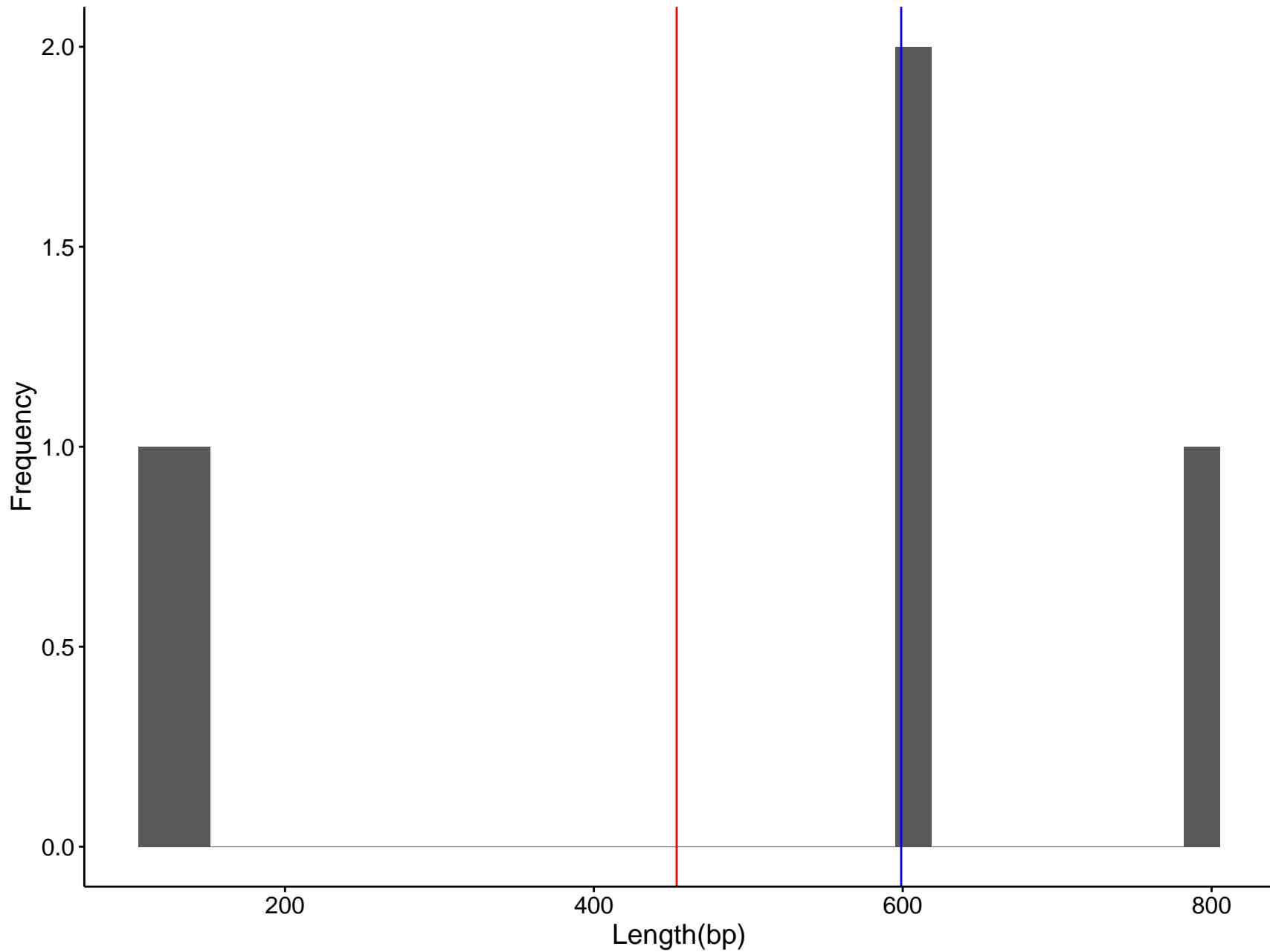
165.025

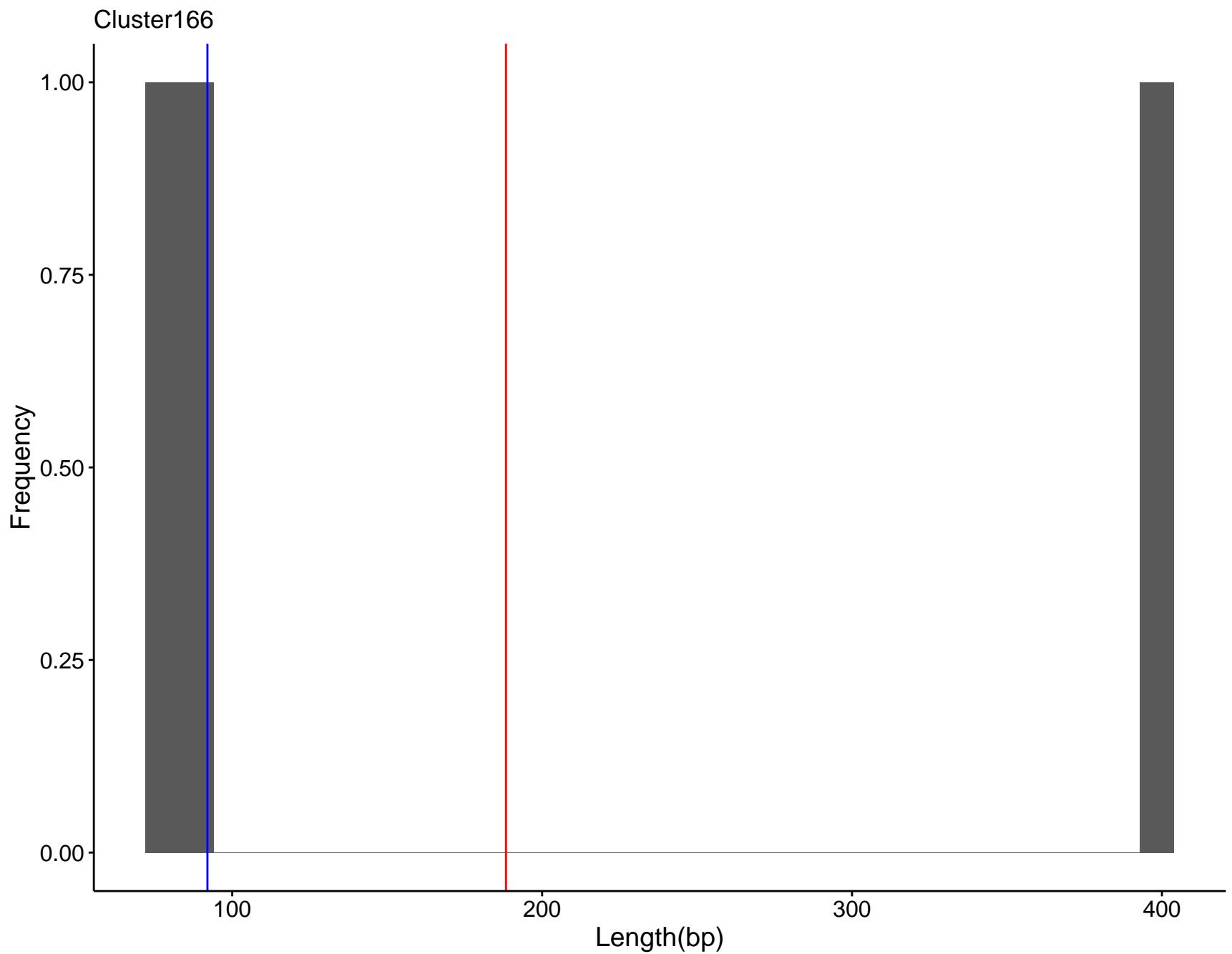
165.050

Length(bp)

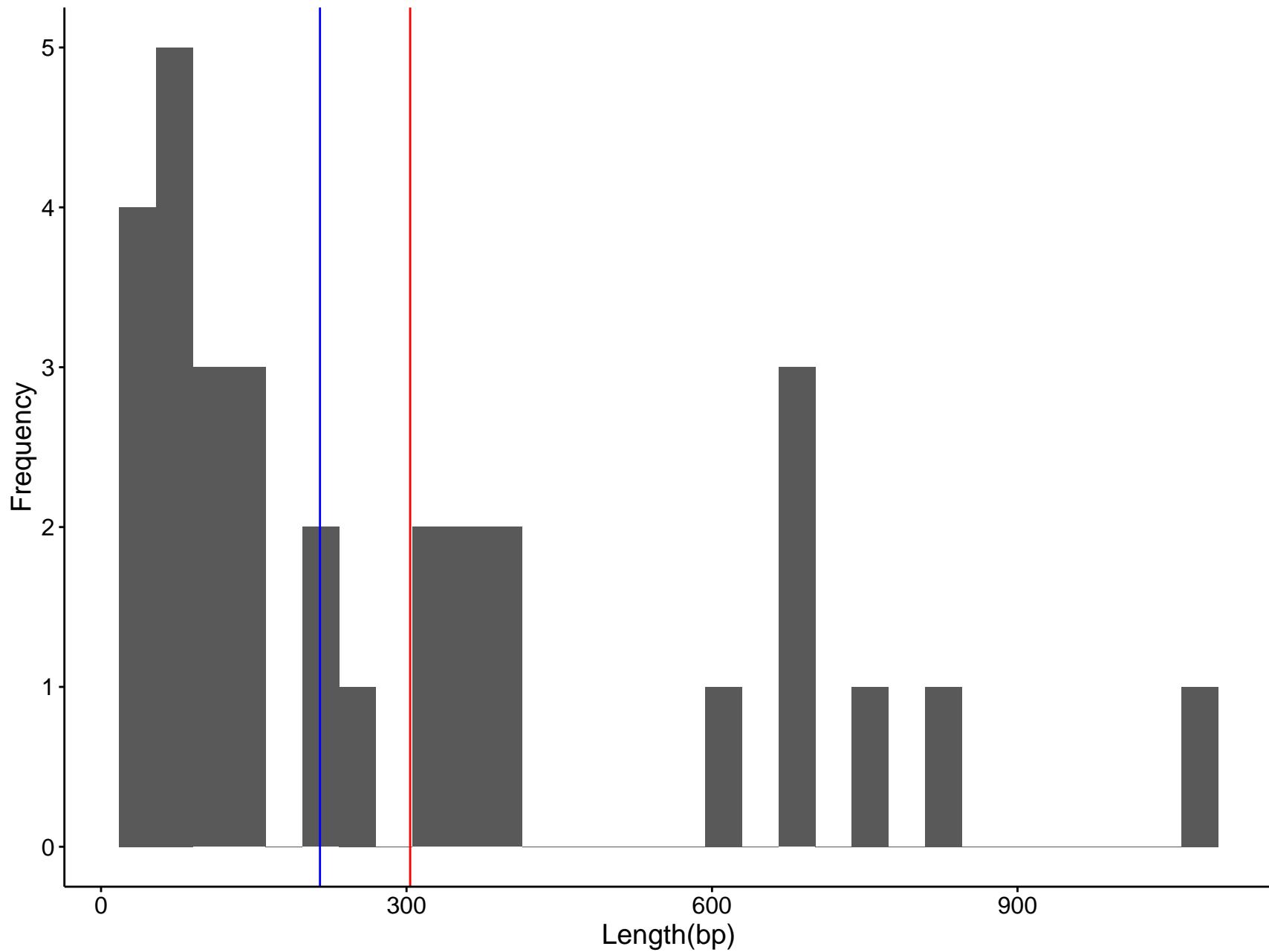


Cluster1668

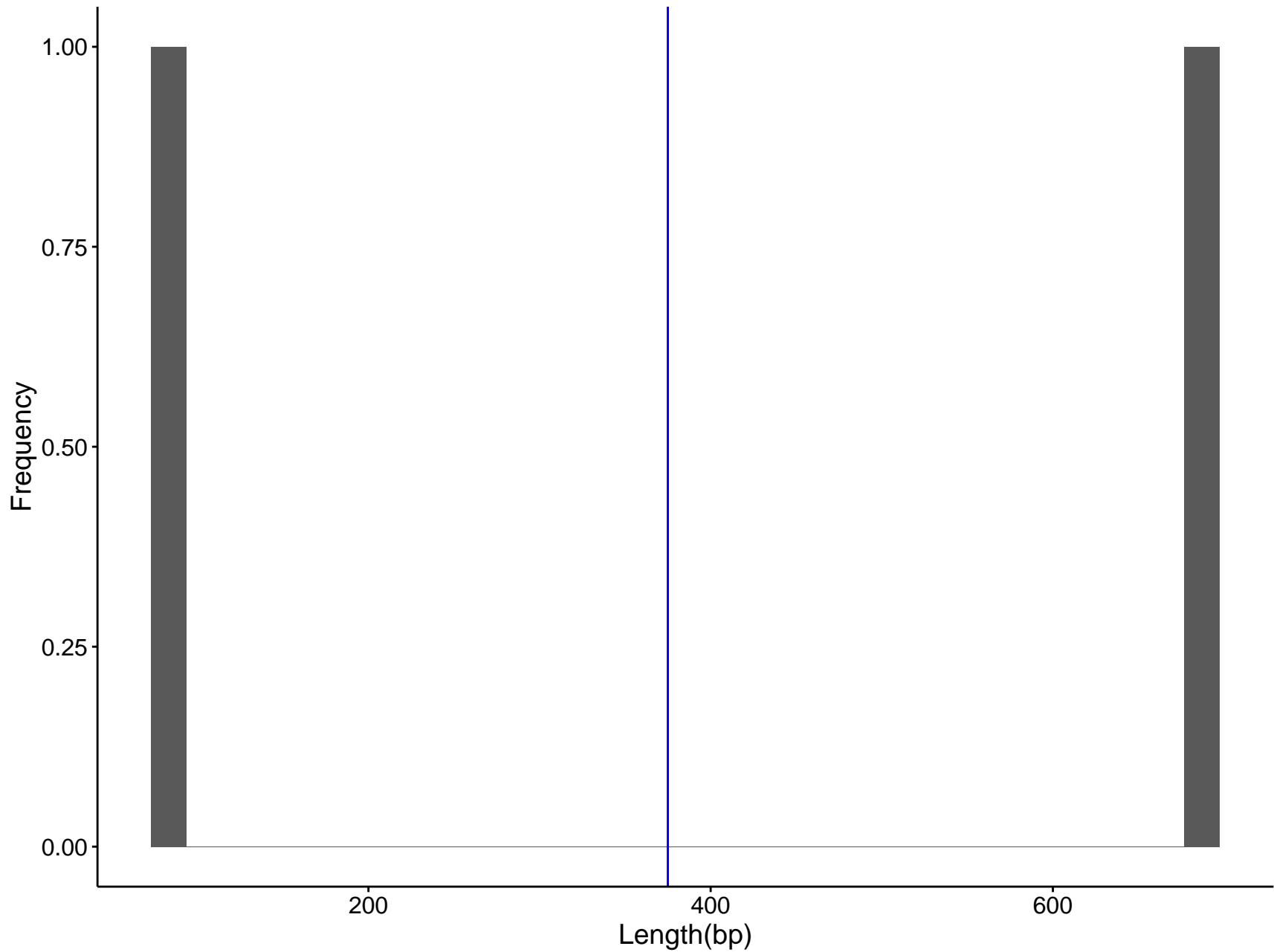




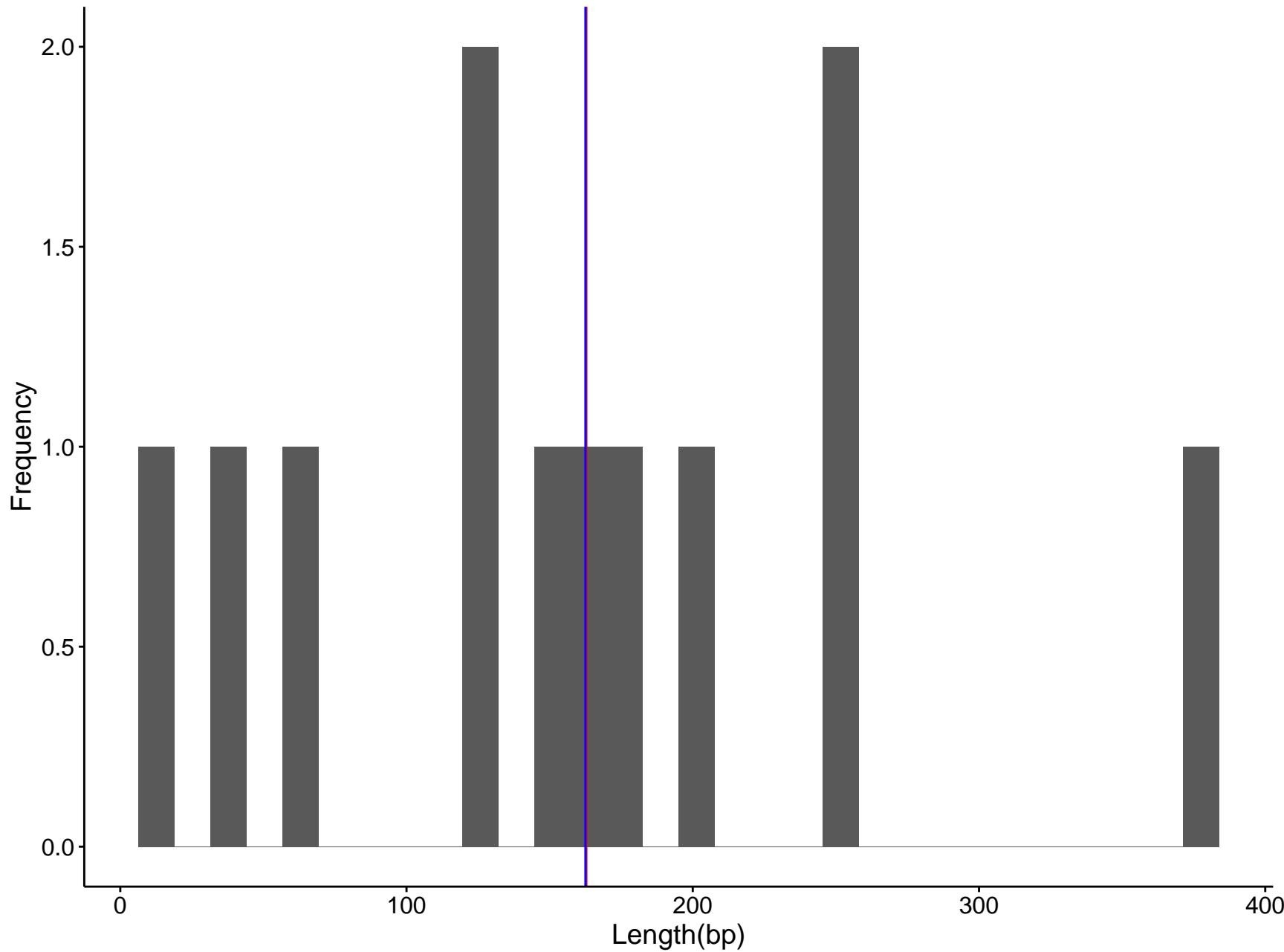
Cluster1670



Cluster1671



Cluster1672



Cluster1673

Frequency

204.950

204.975

205.000

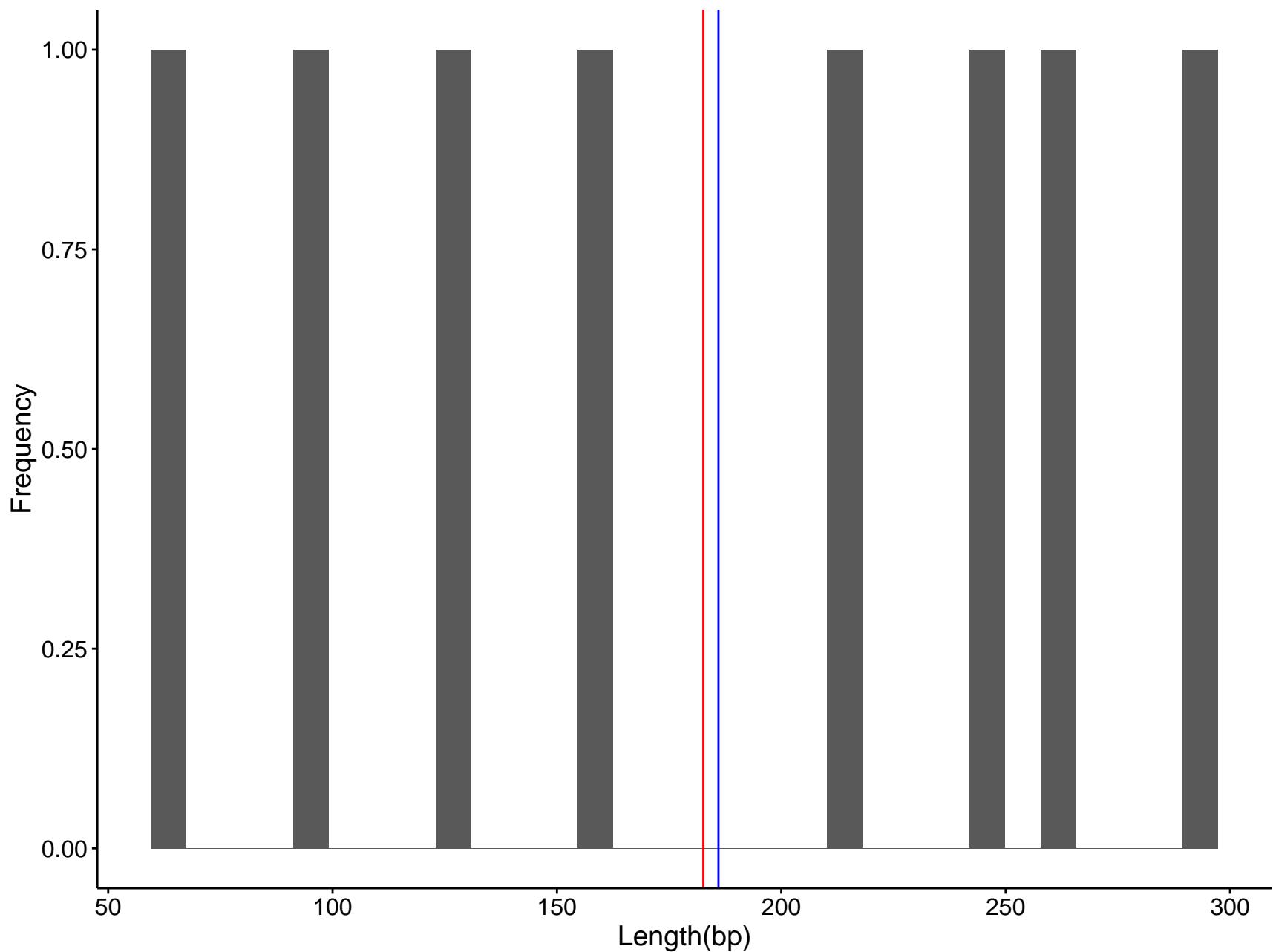
205.025

205.050

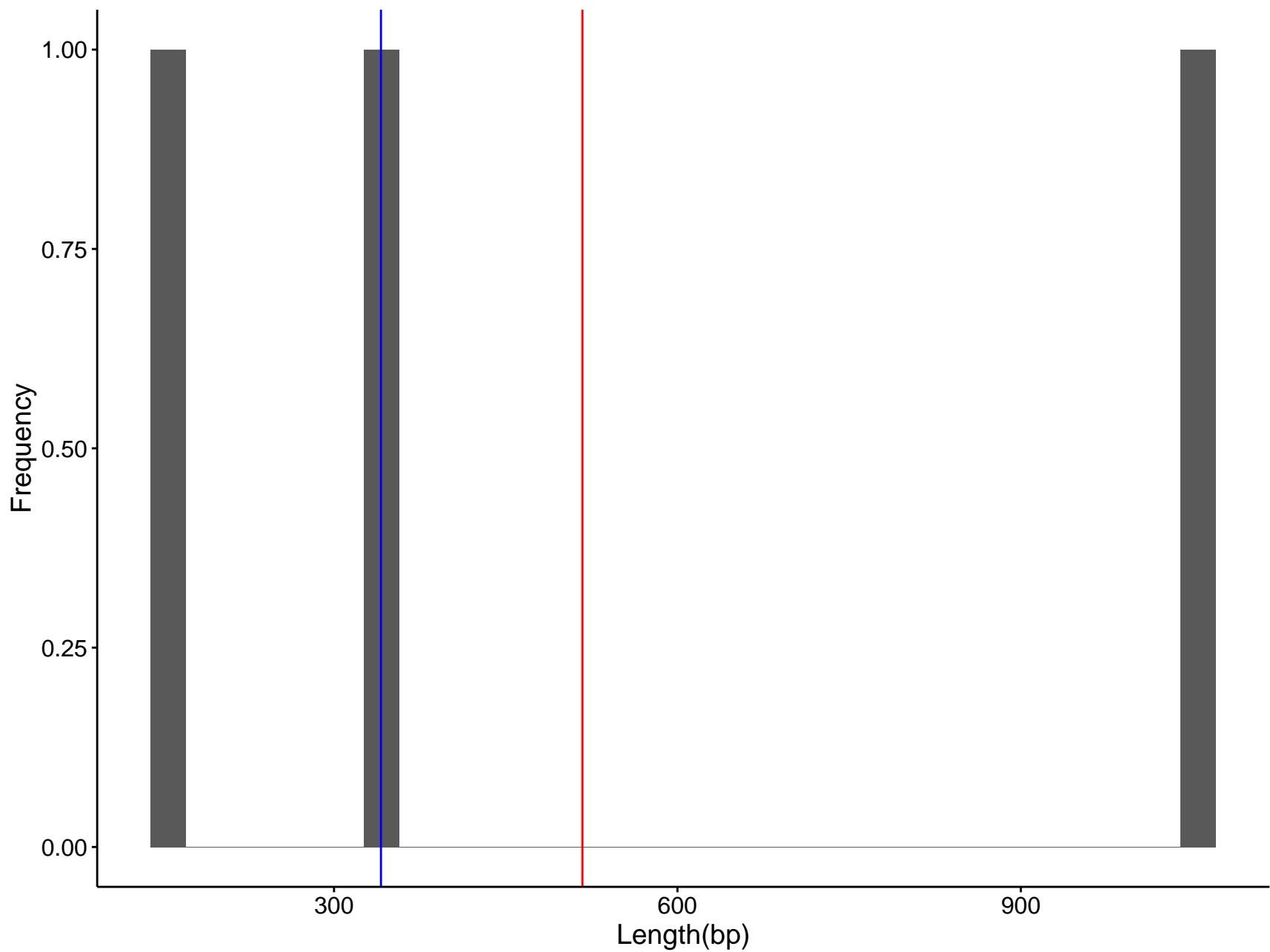
Length(bp)



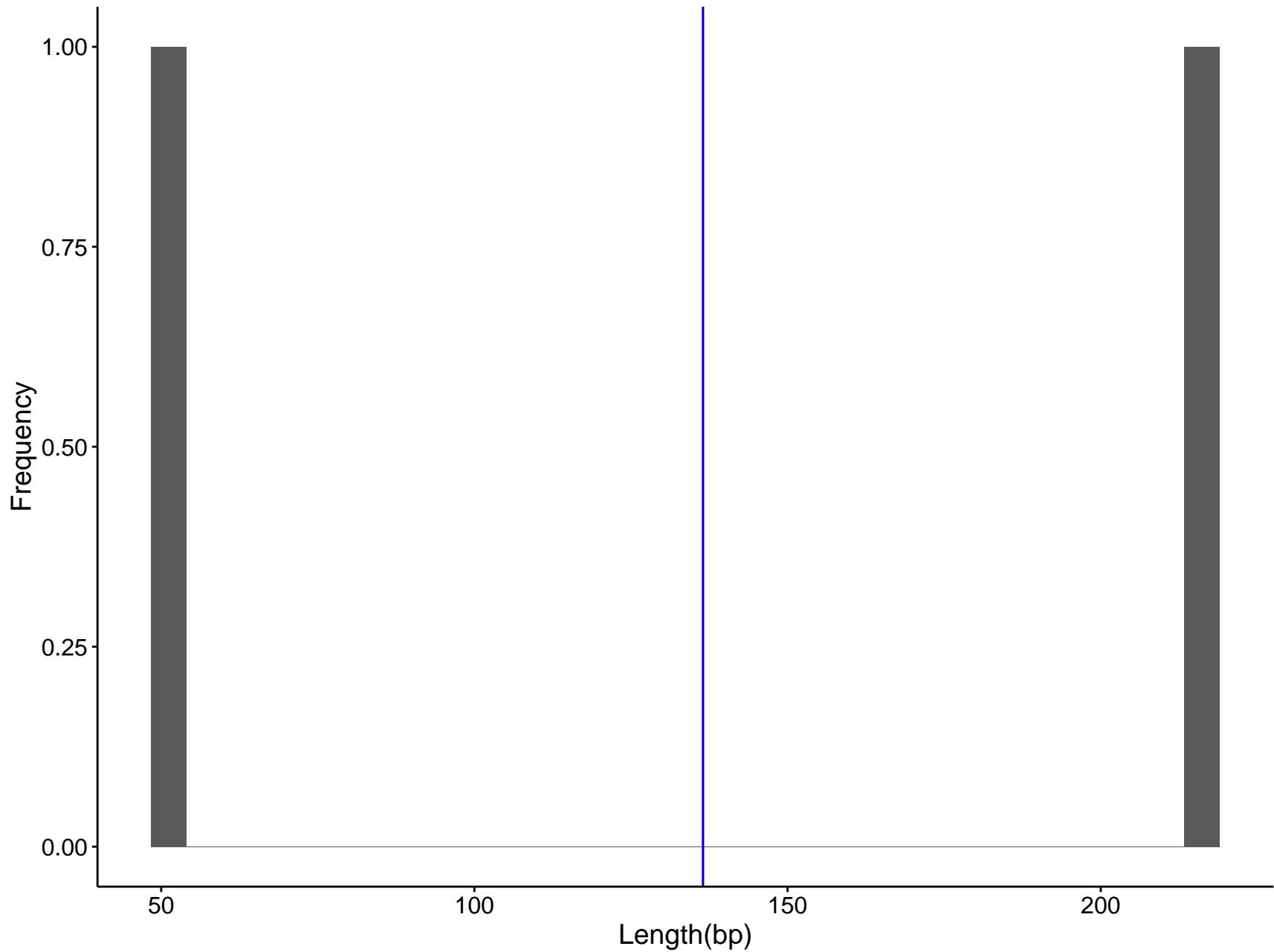
Cluster1675



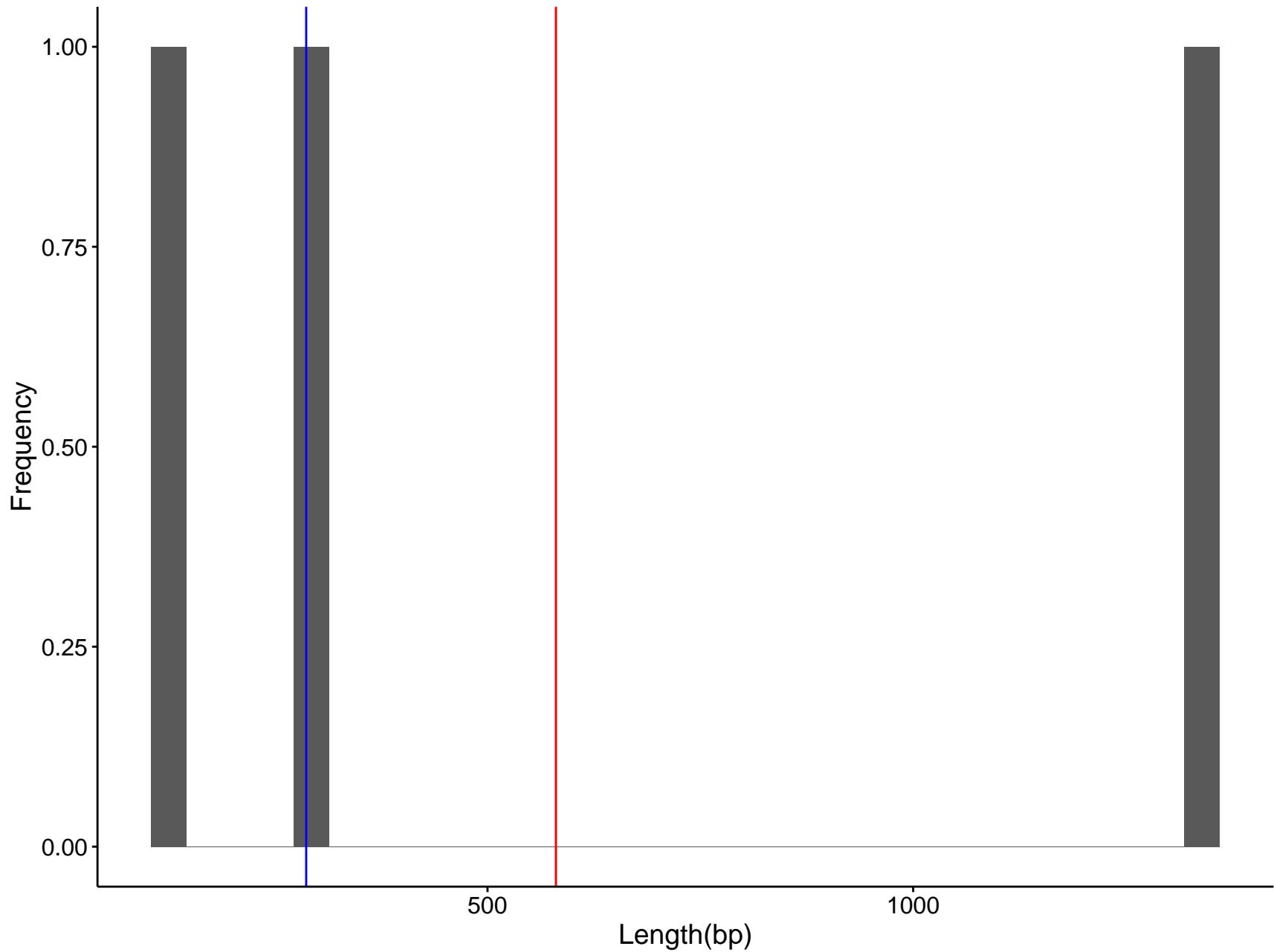
Cluster1677



Cluster1678



Cluster1679



# Cluster167

Frequency

463.950

463.975

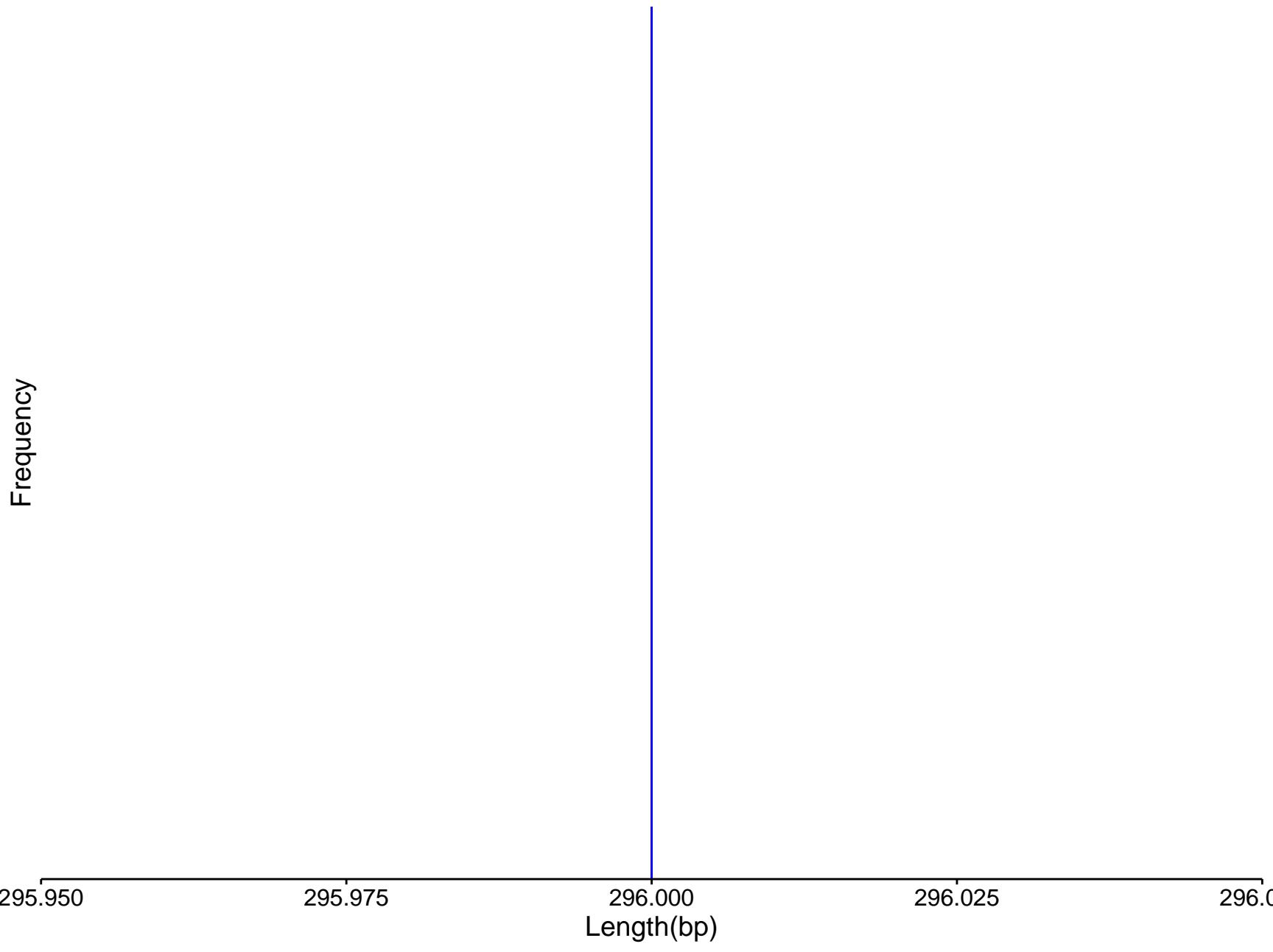
464.000

464.025

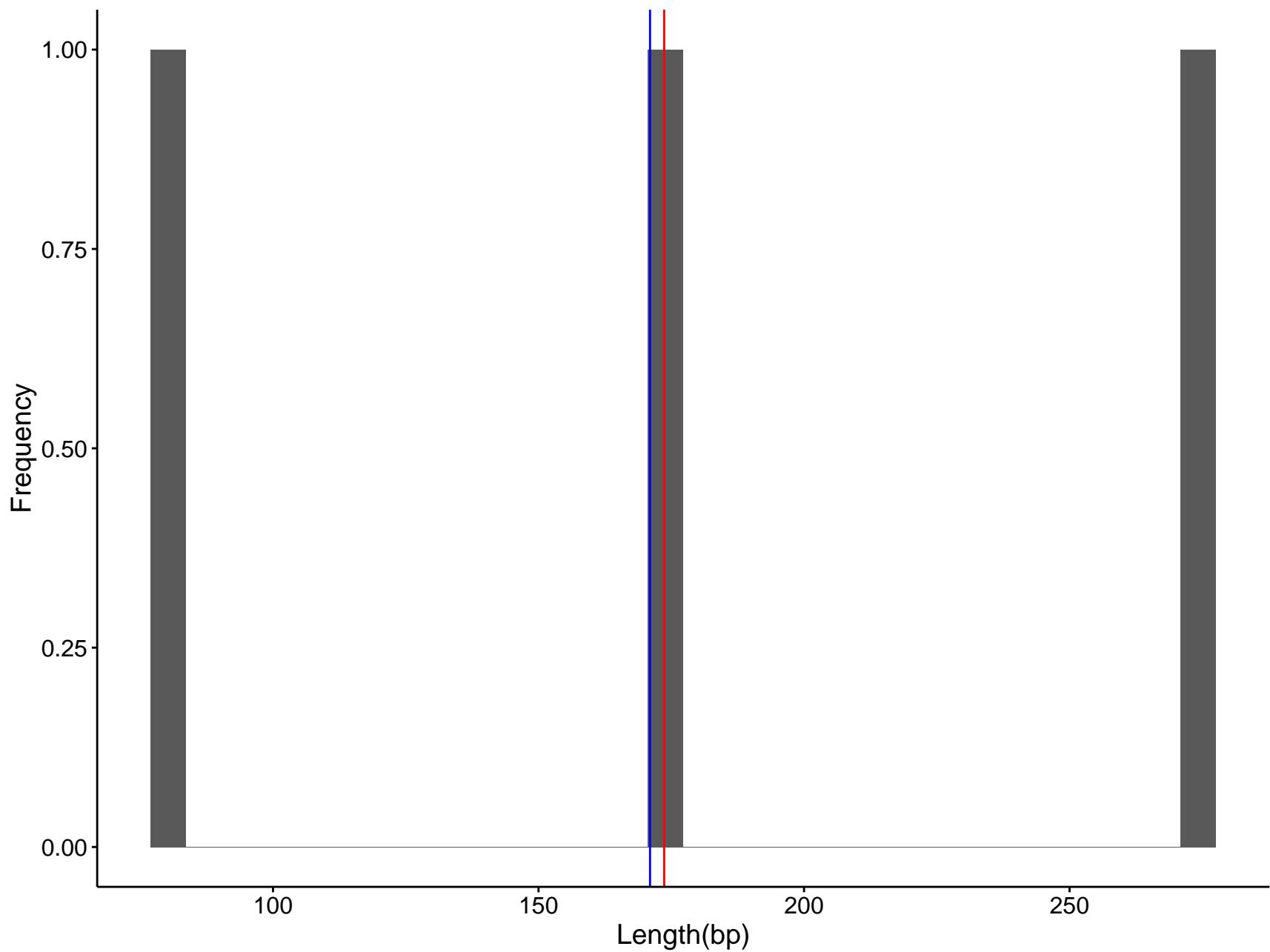
Length(bp)



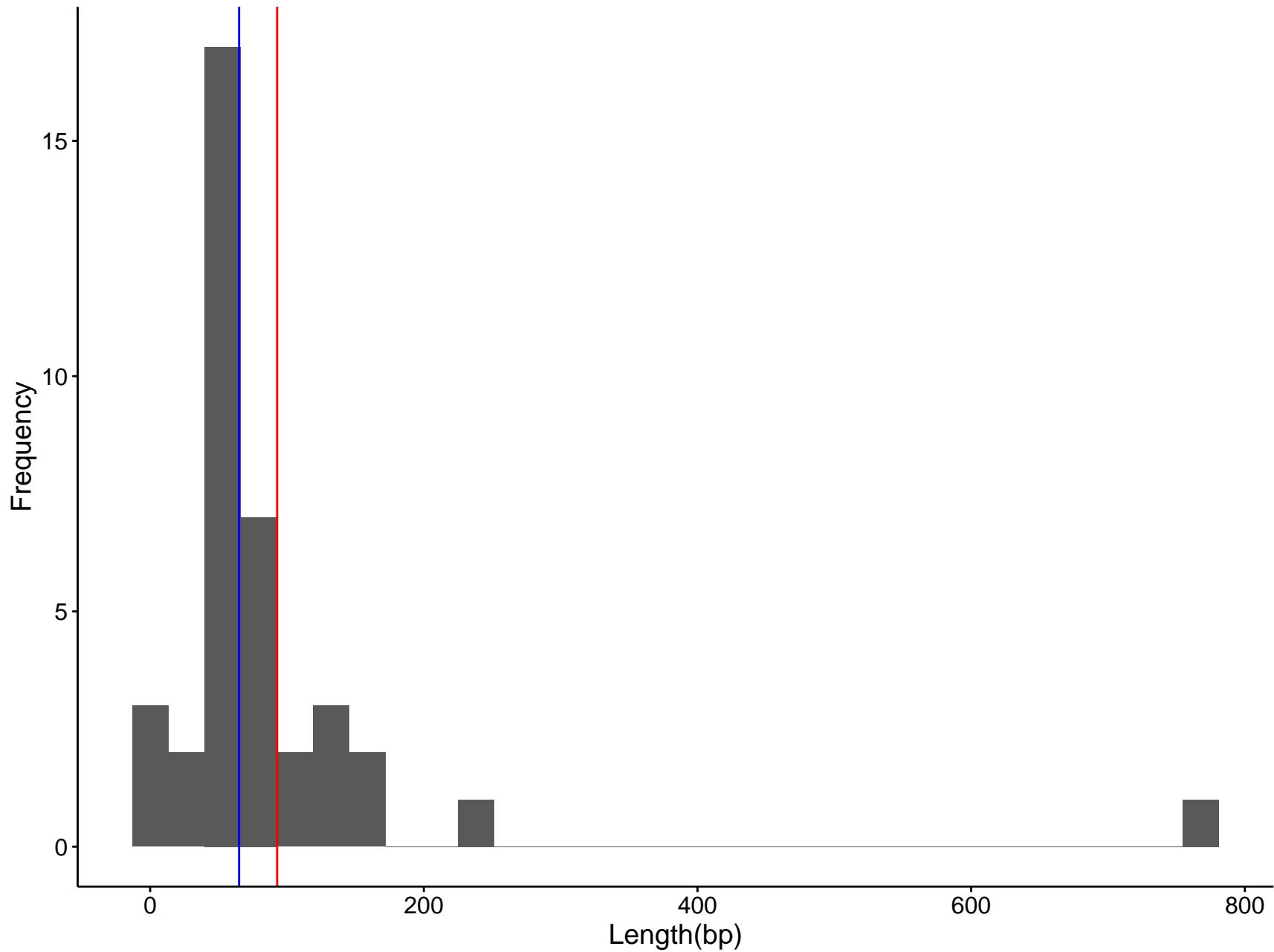
Cluster1680



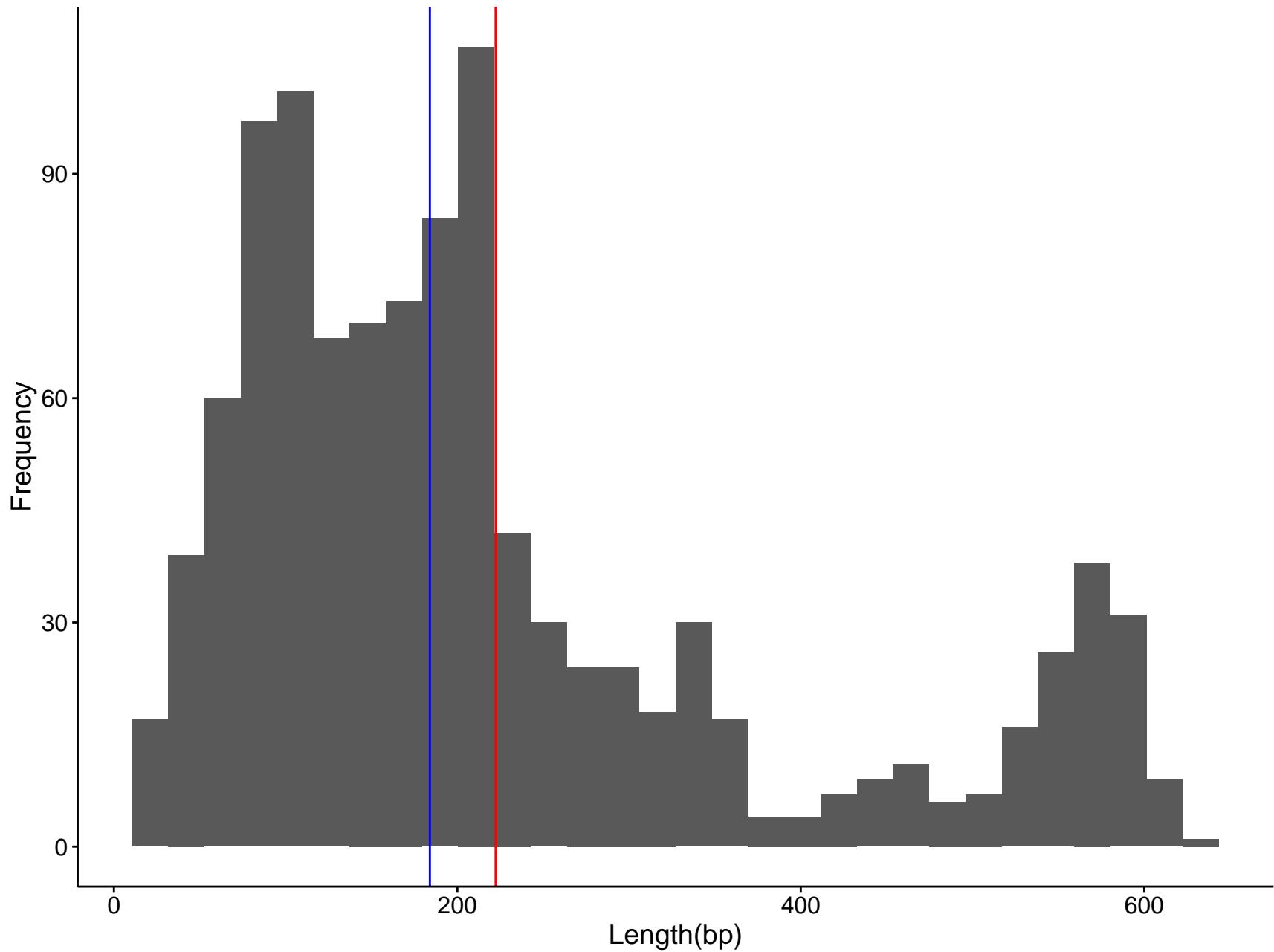
Cluster1681



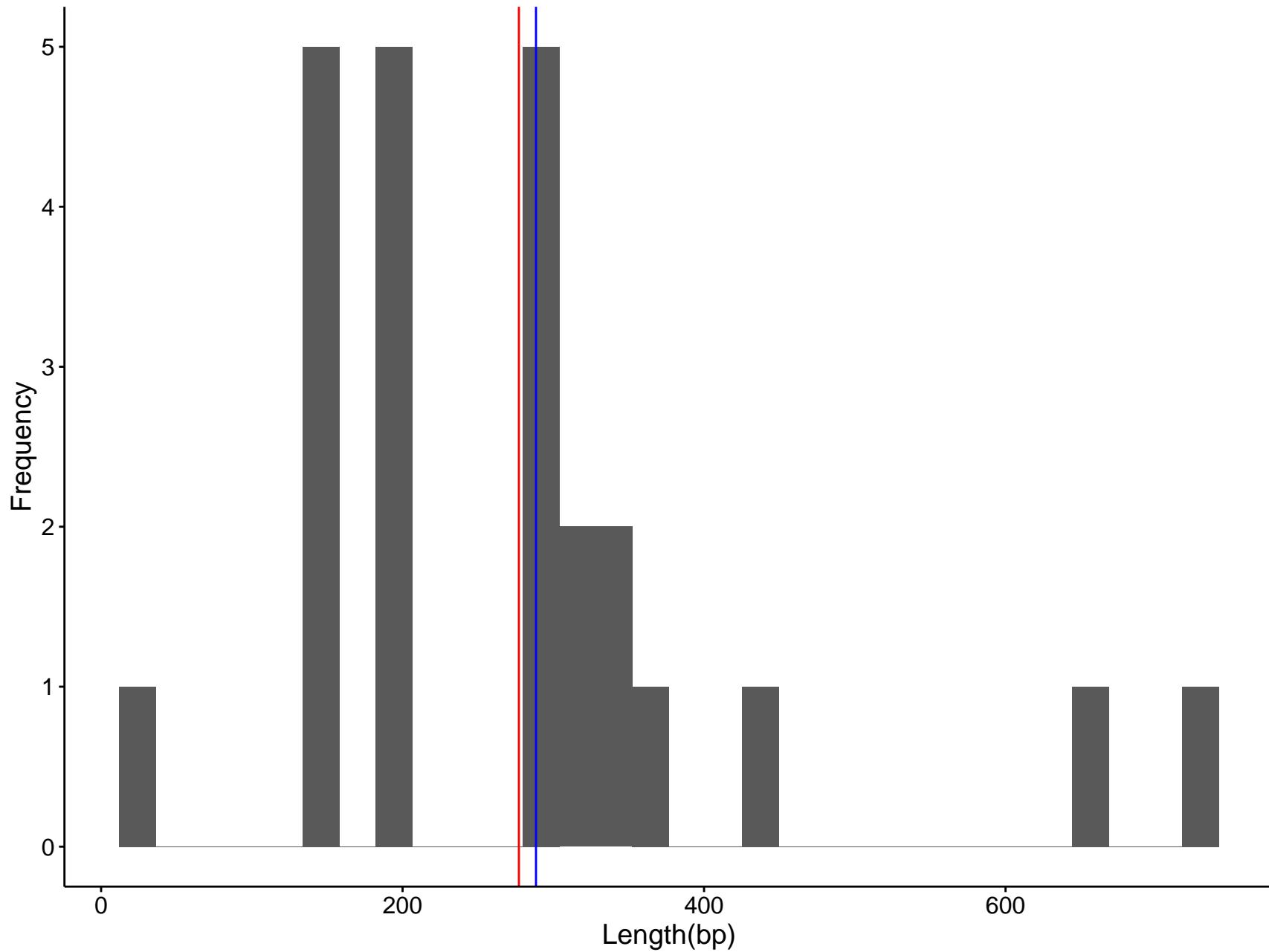
Cluster1682



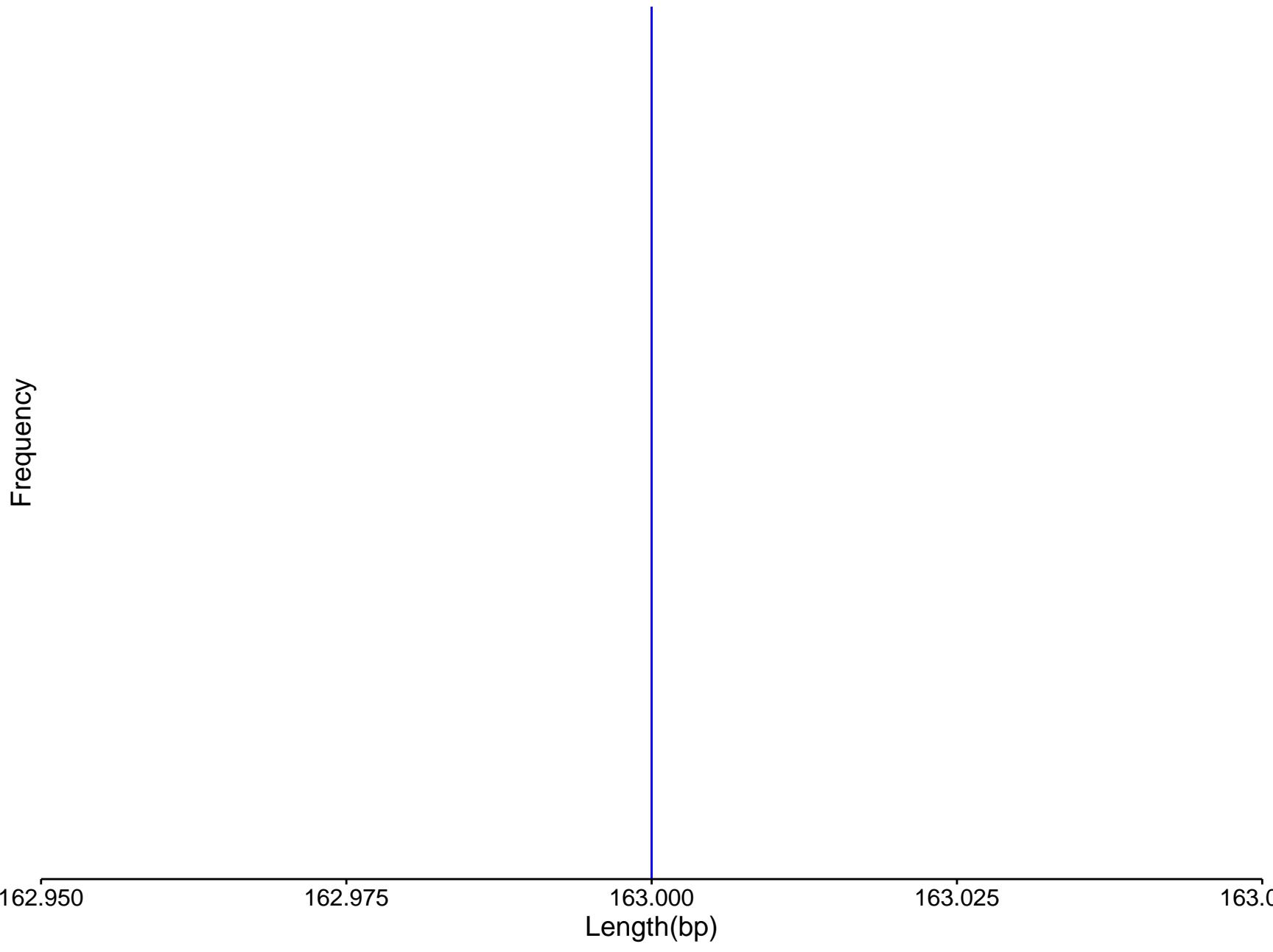
Cluster1683



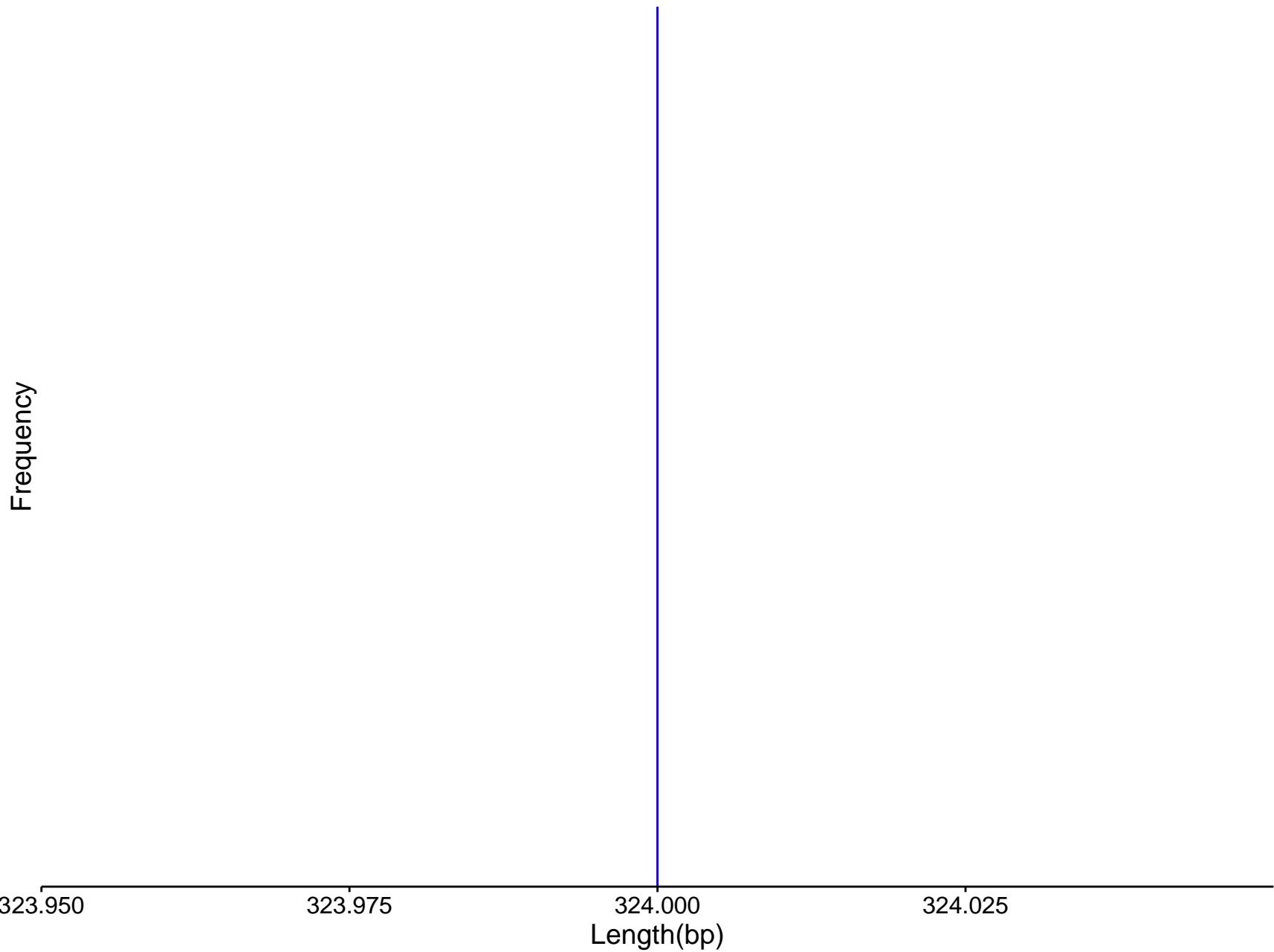
Cluster1684



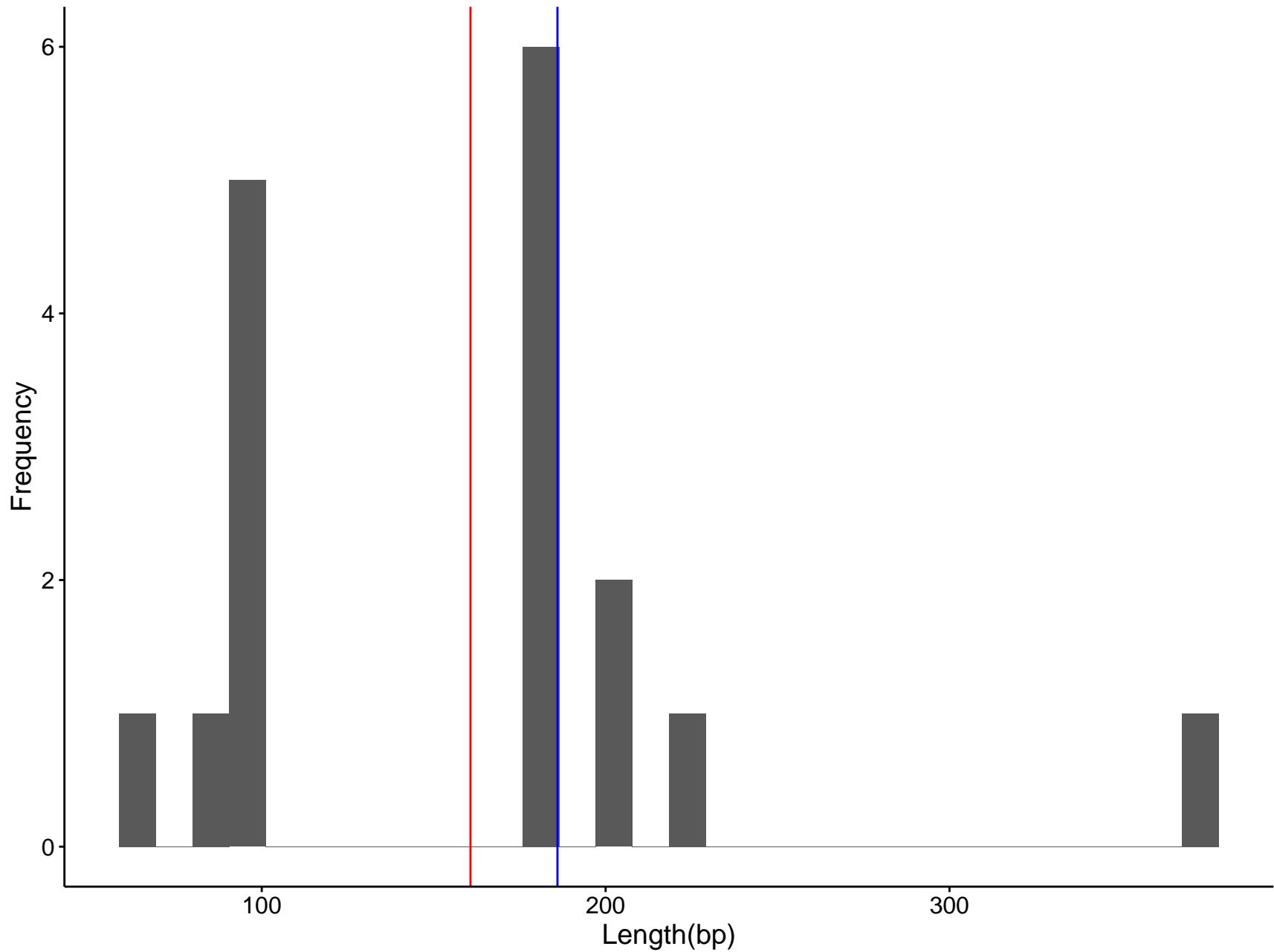
# Cluster1685



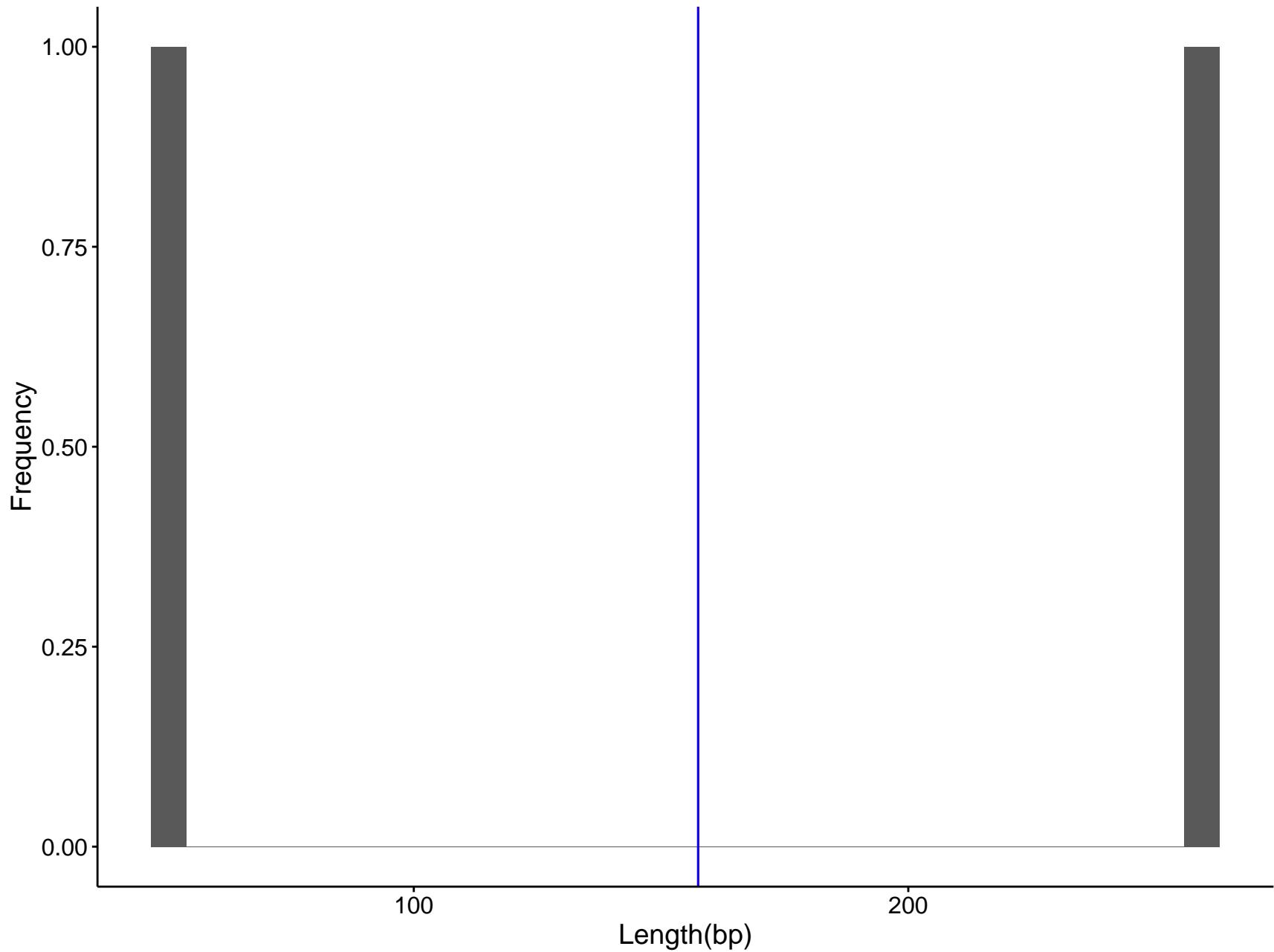
Cluster1686



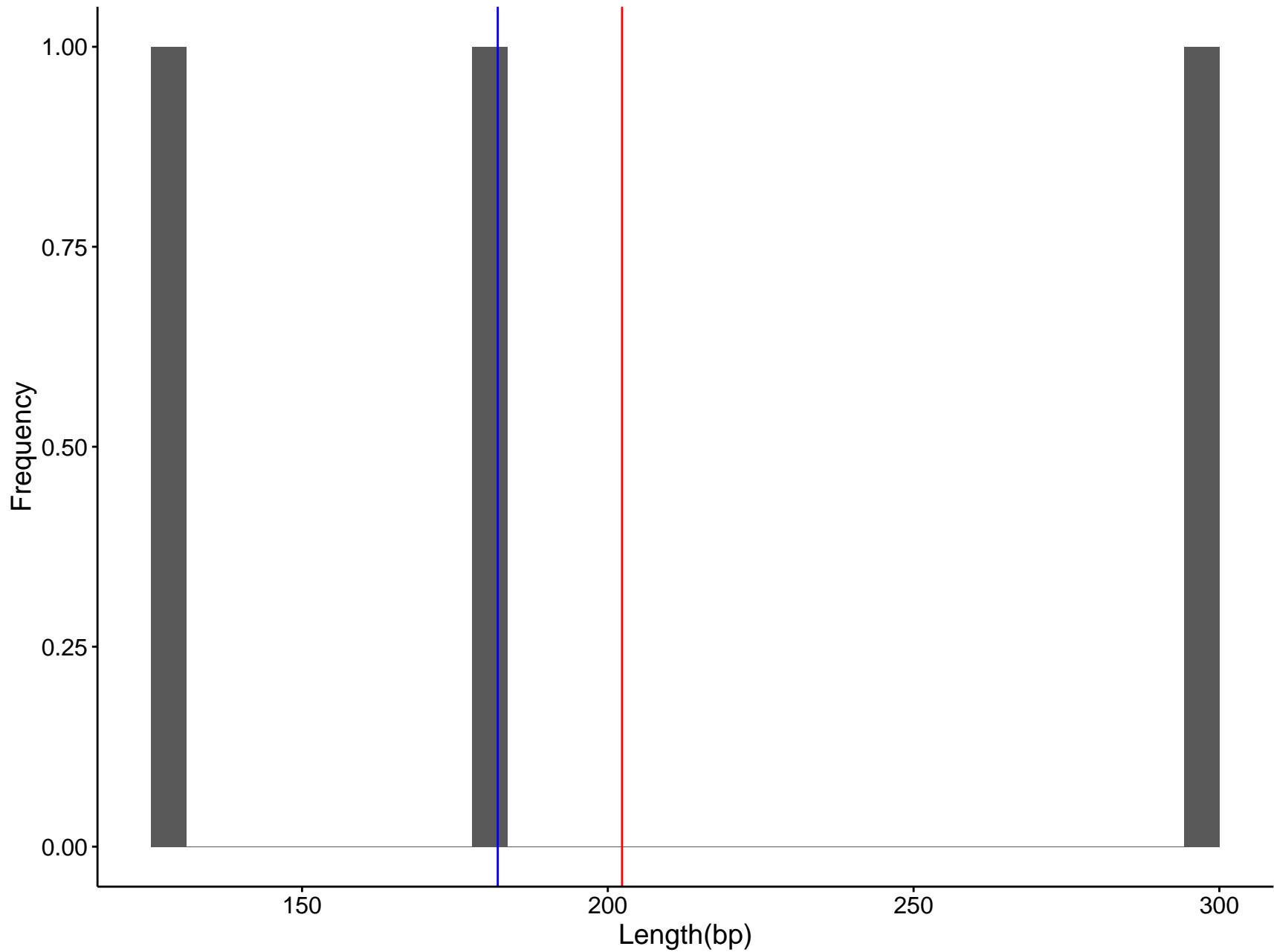
Cluster1687



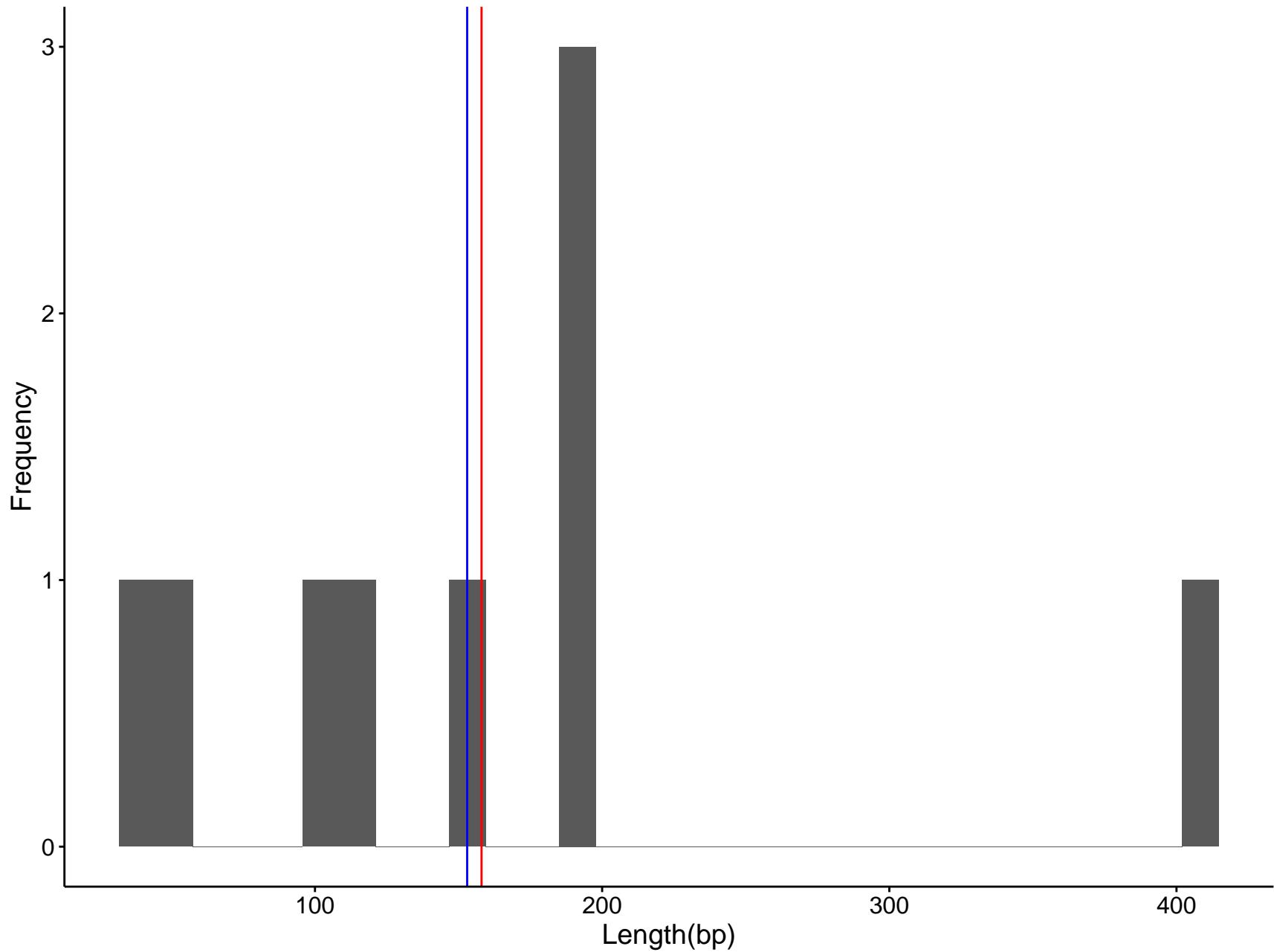
Cluster1688



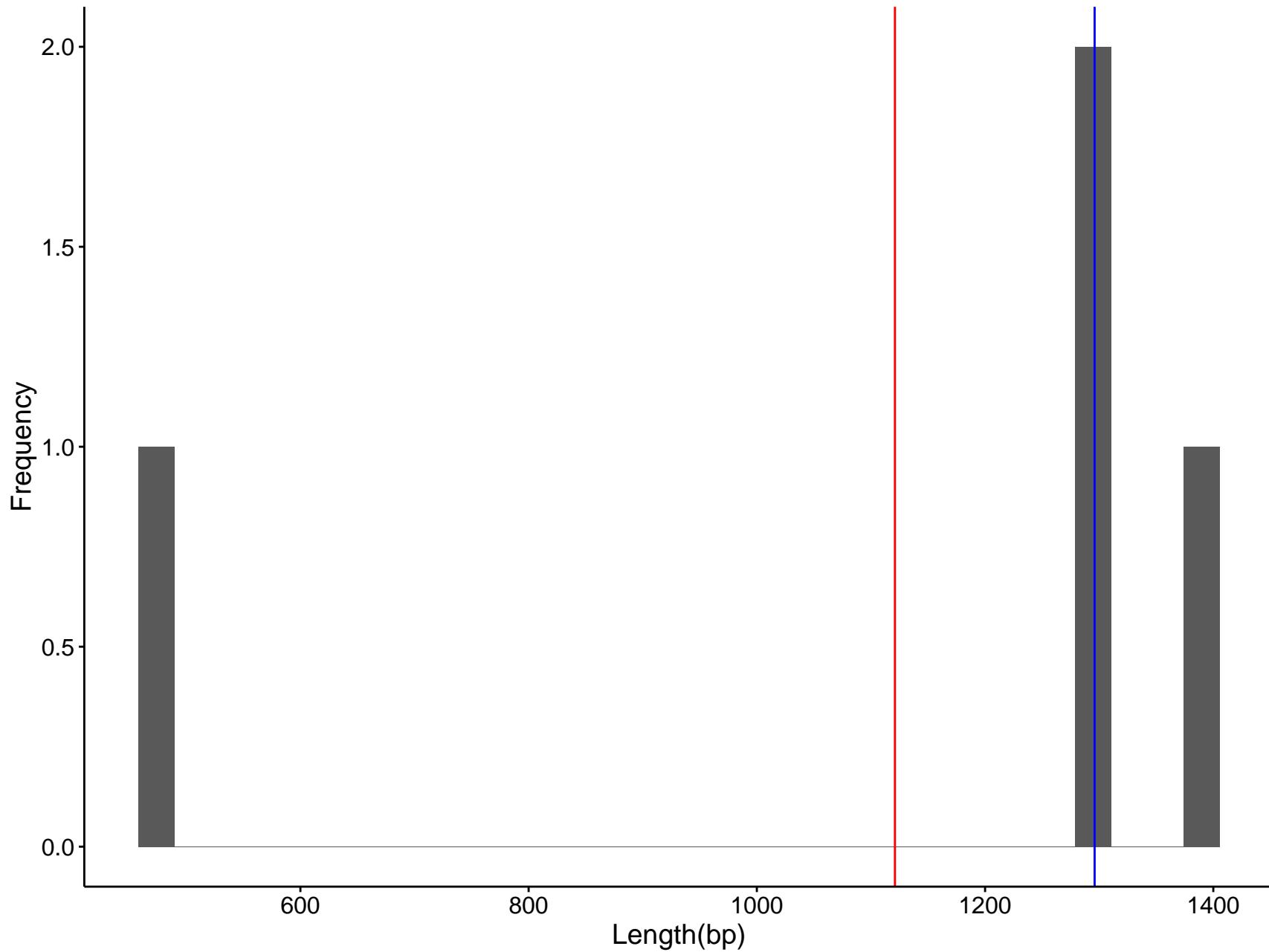
Cluster1689



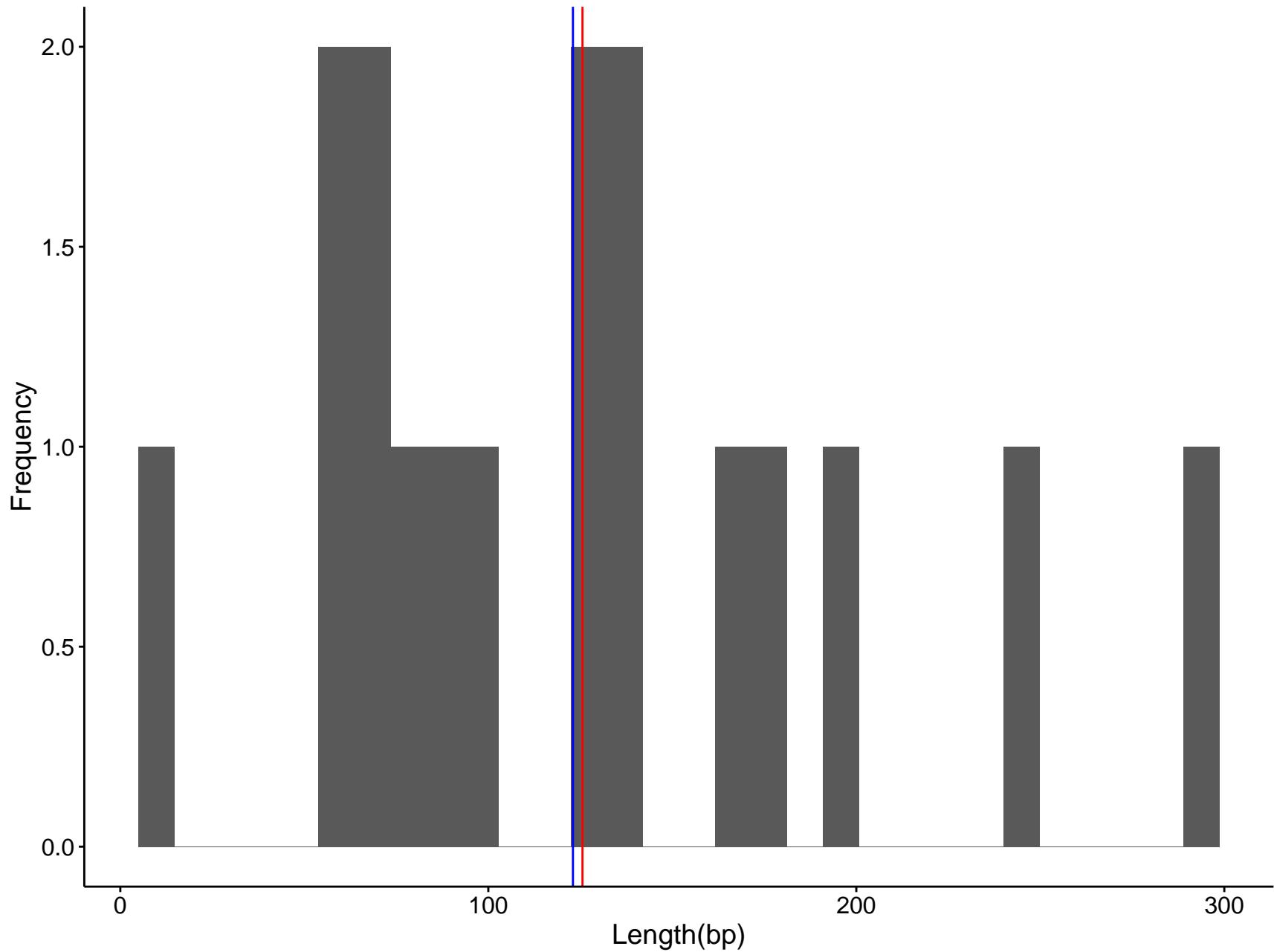
# Cluster168



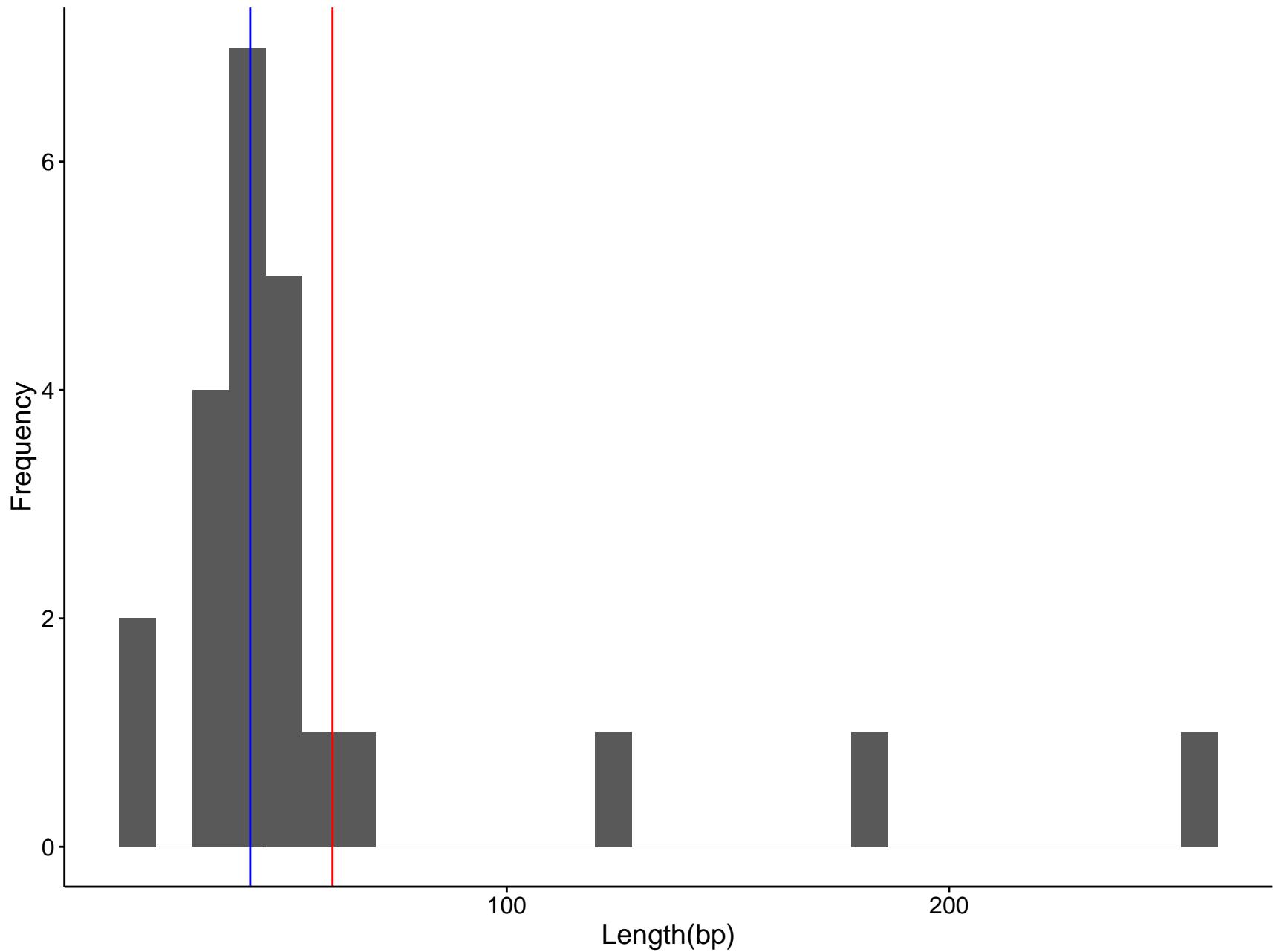
Cluster1693



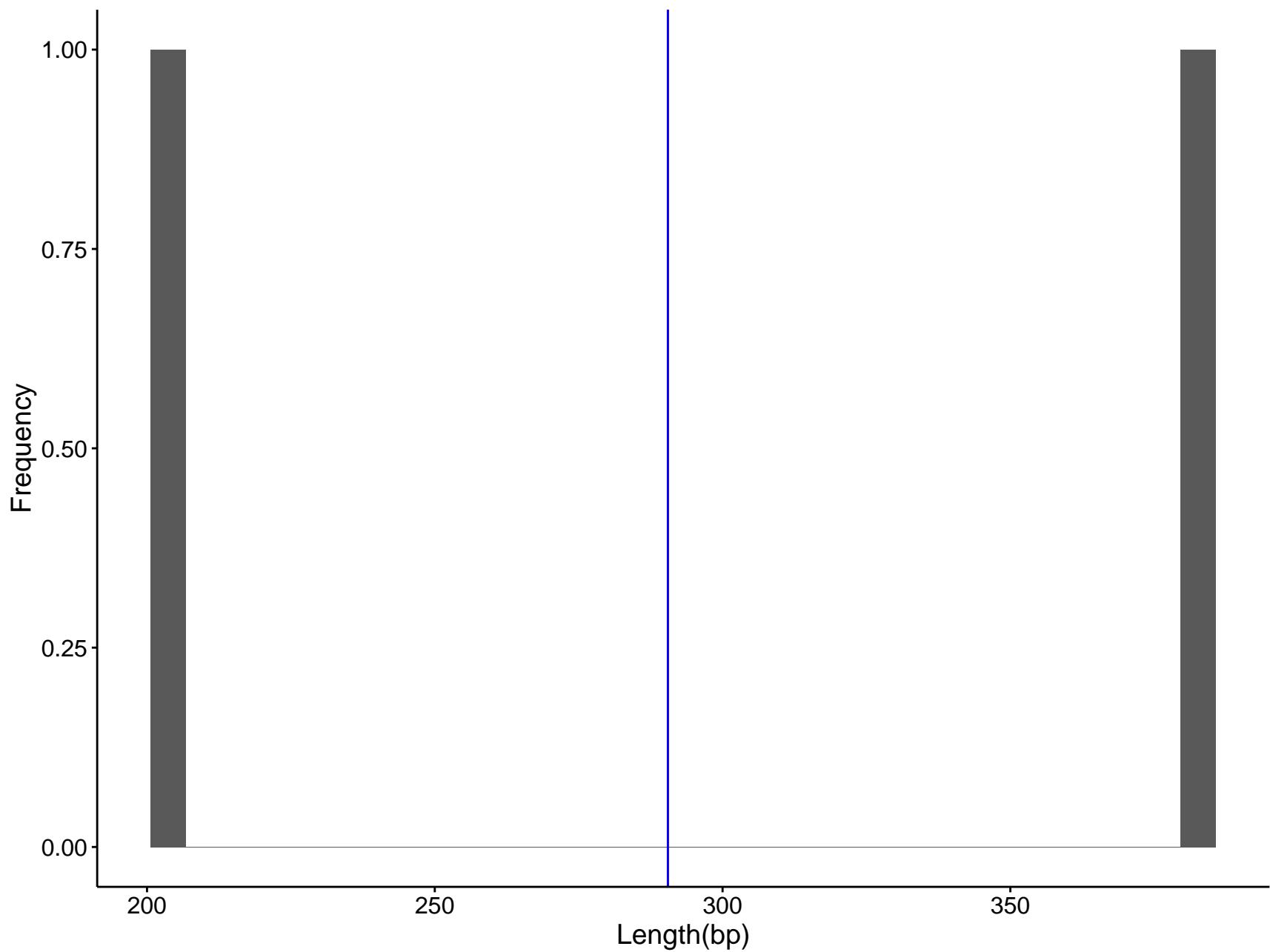
Cluster1695



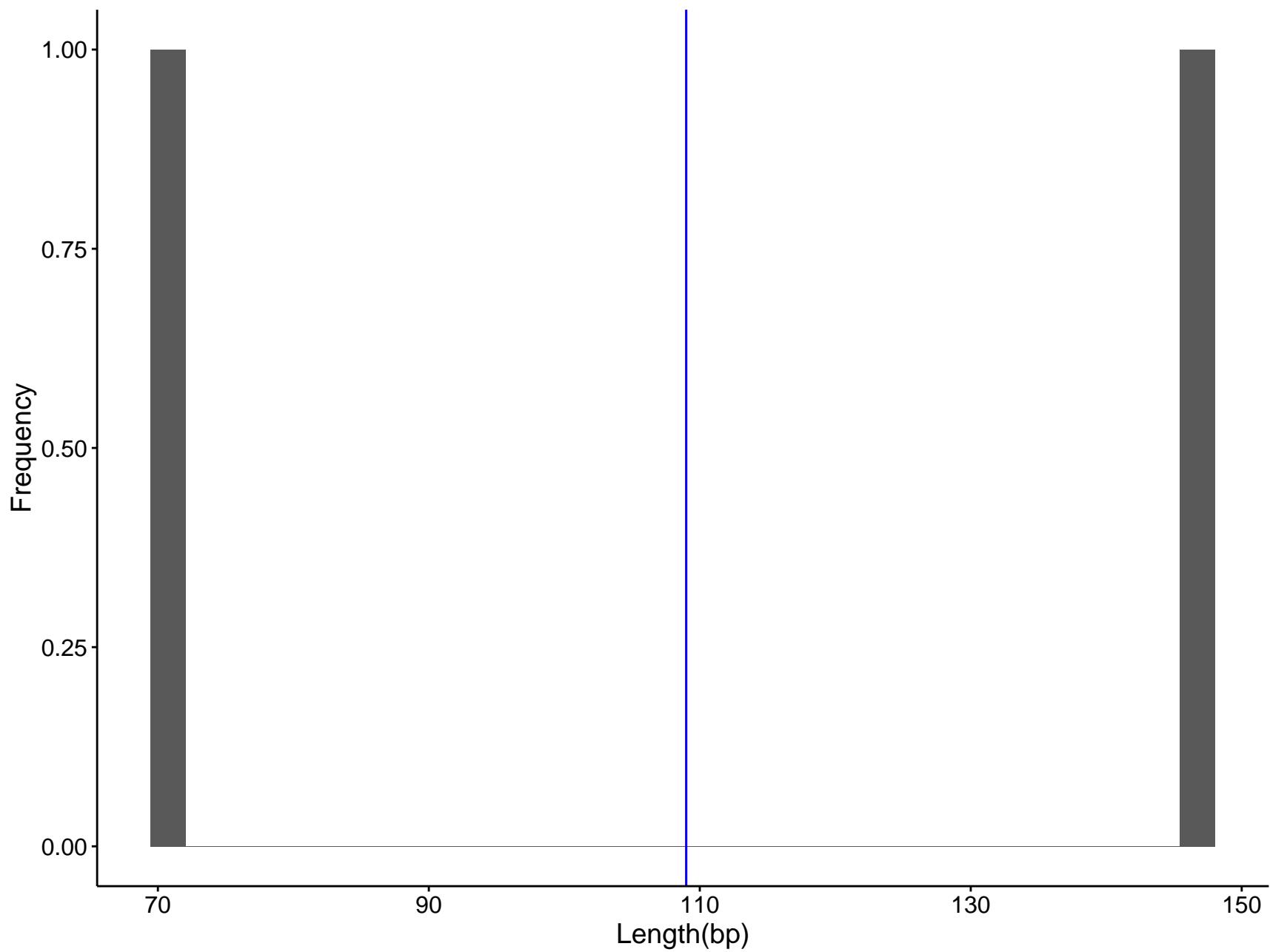
Cluster1696



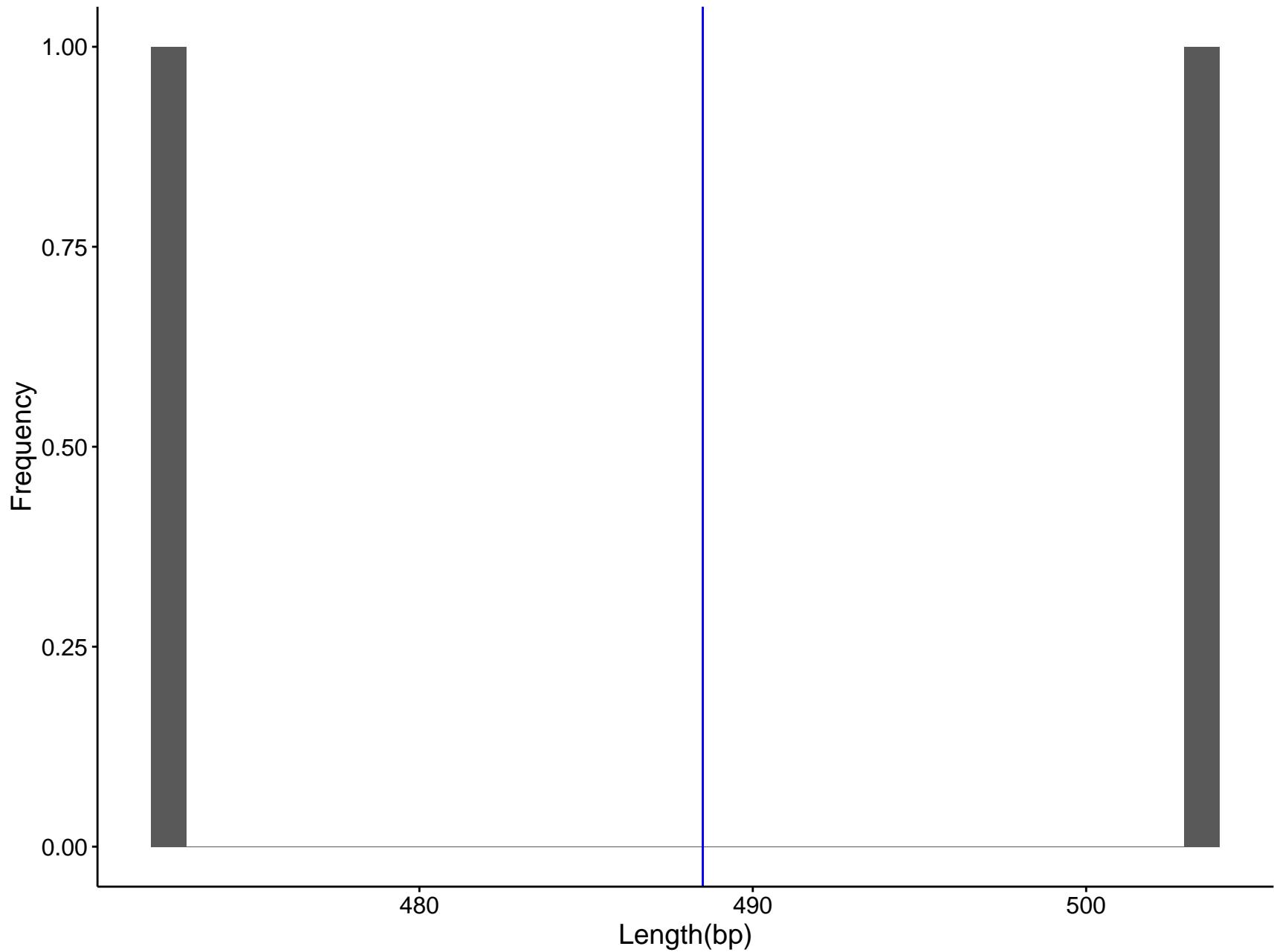
Cluster1699



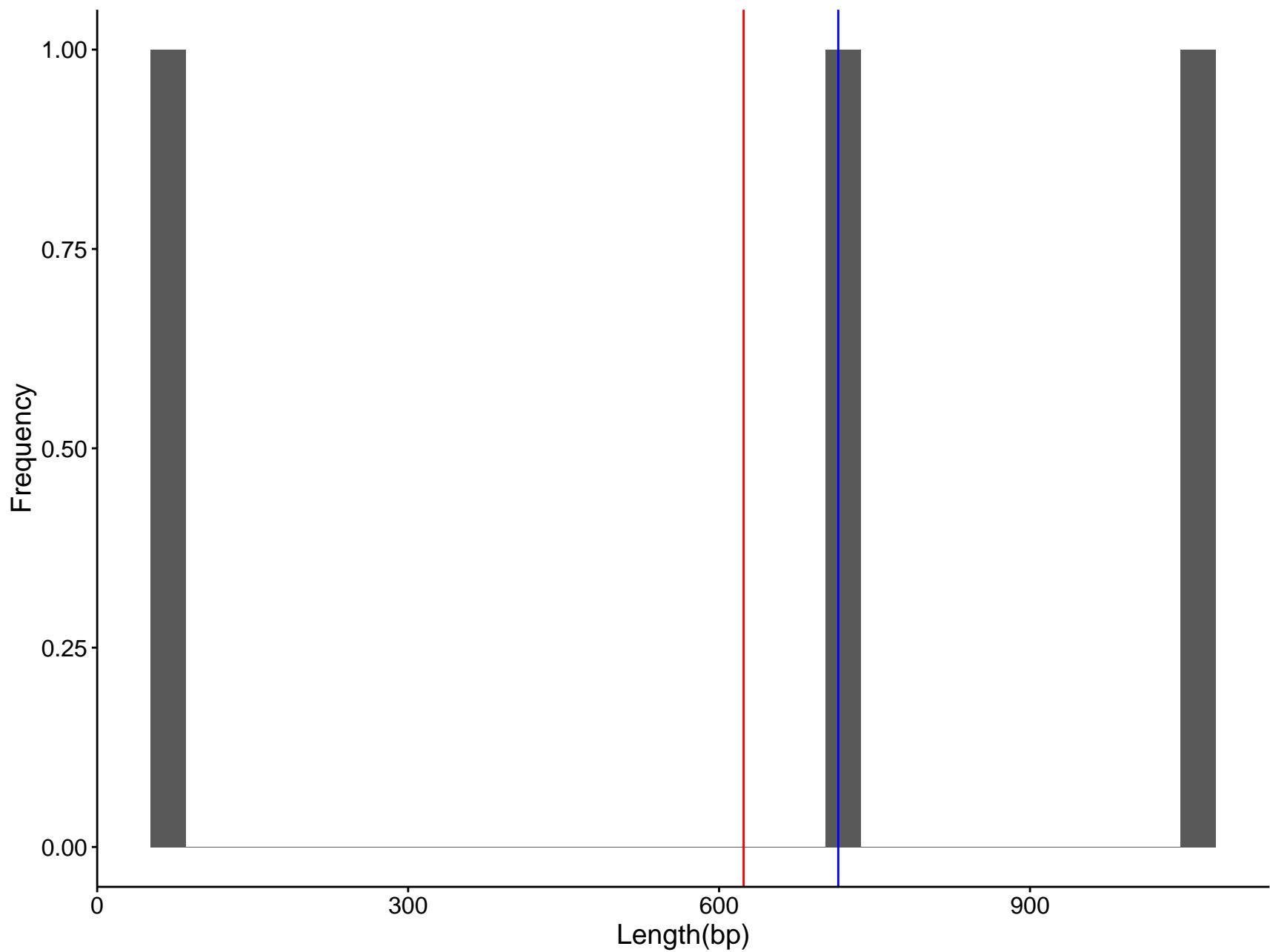
Cluster169



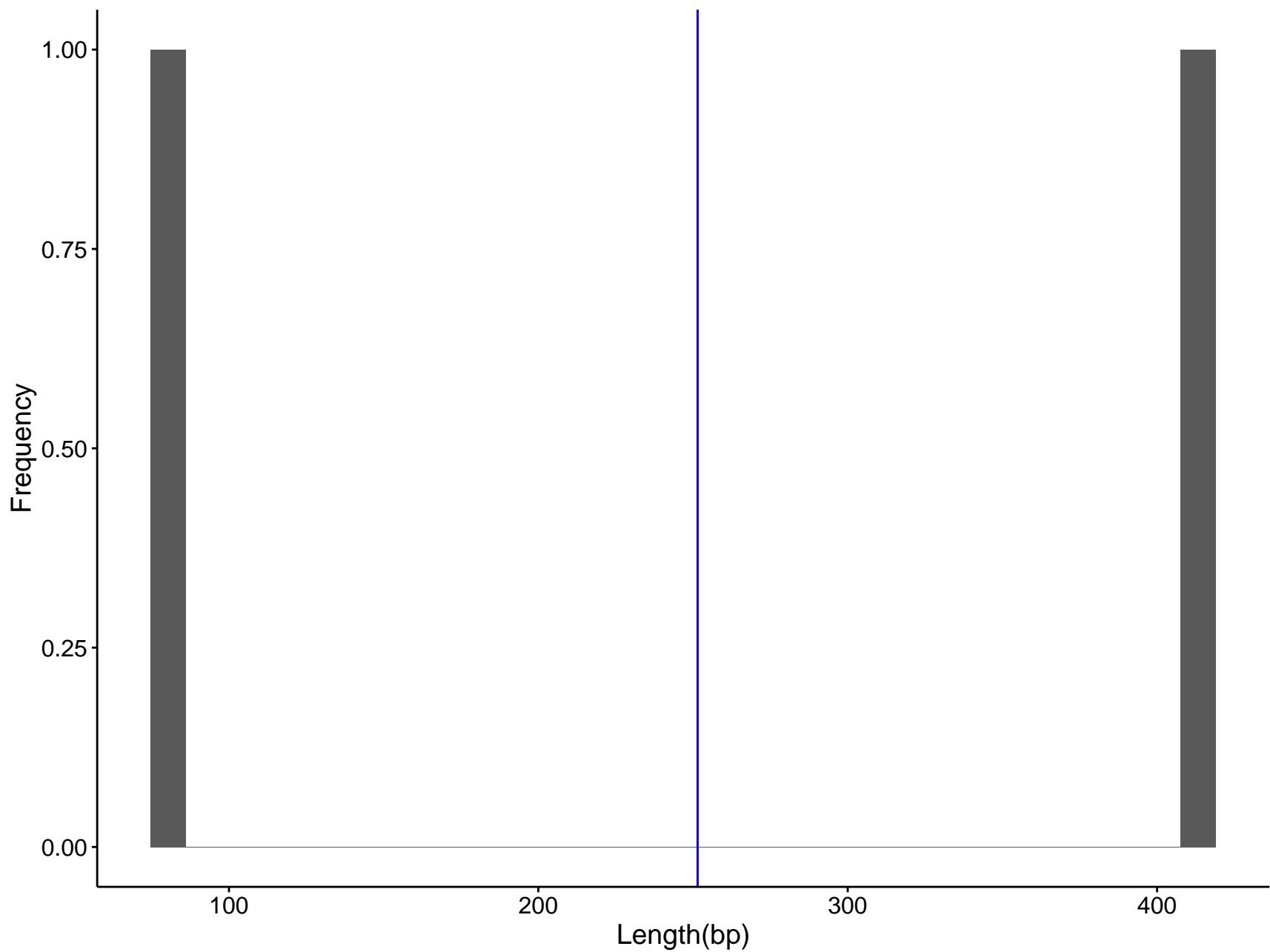
Cluster1702



Cluster1703



Cluster1704



# Cluster1705

Frequency

913.950

913.975

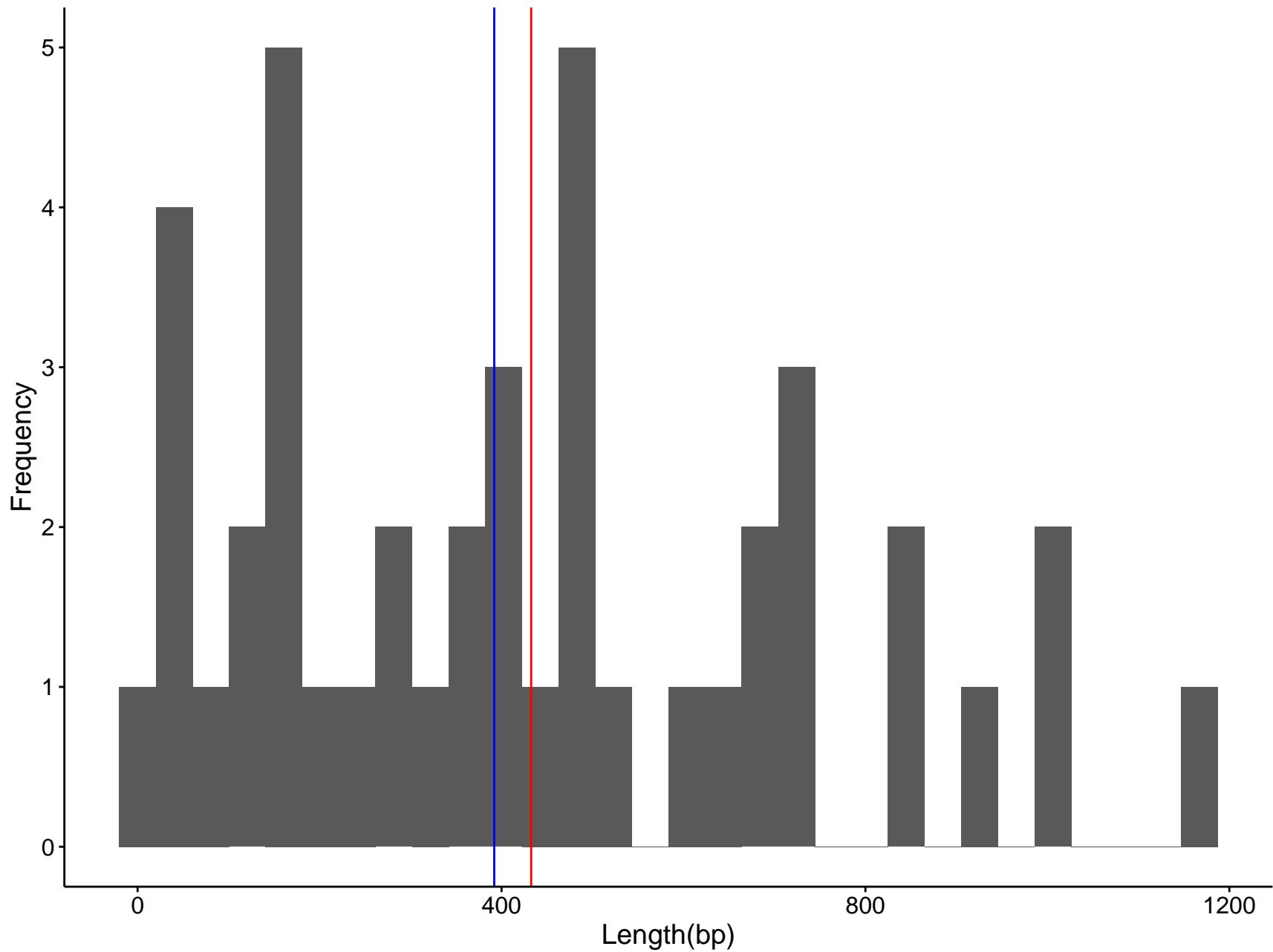
914.000

914.025

Length(bp)



Cluster1707



Cluster1715

Frequency

177.950

177.975

178.000

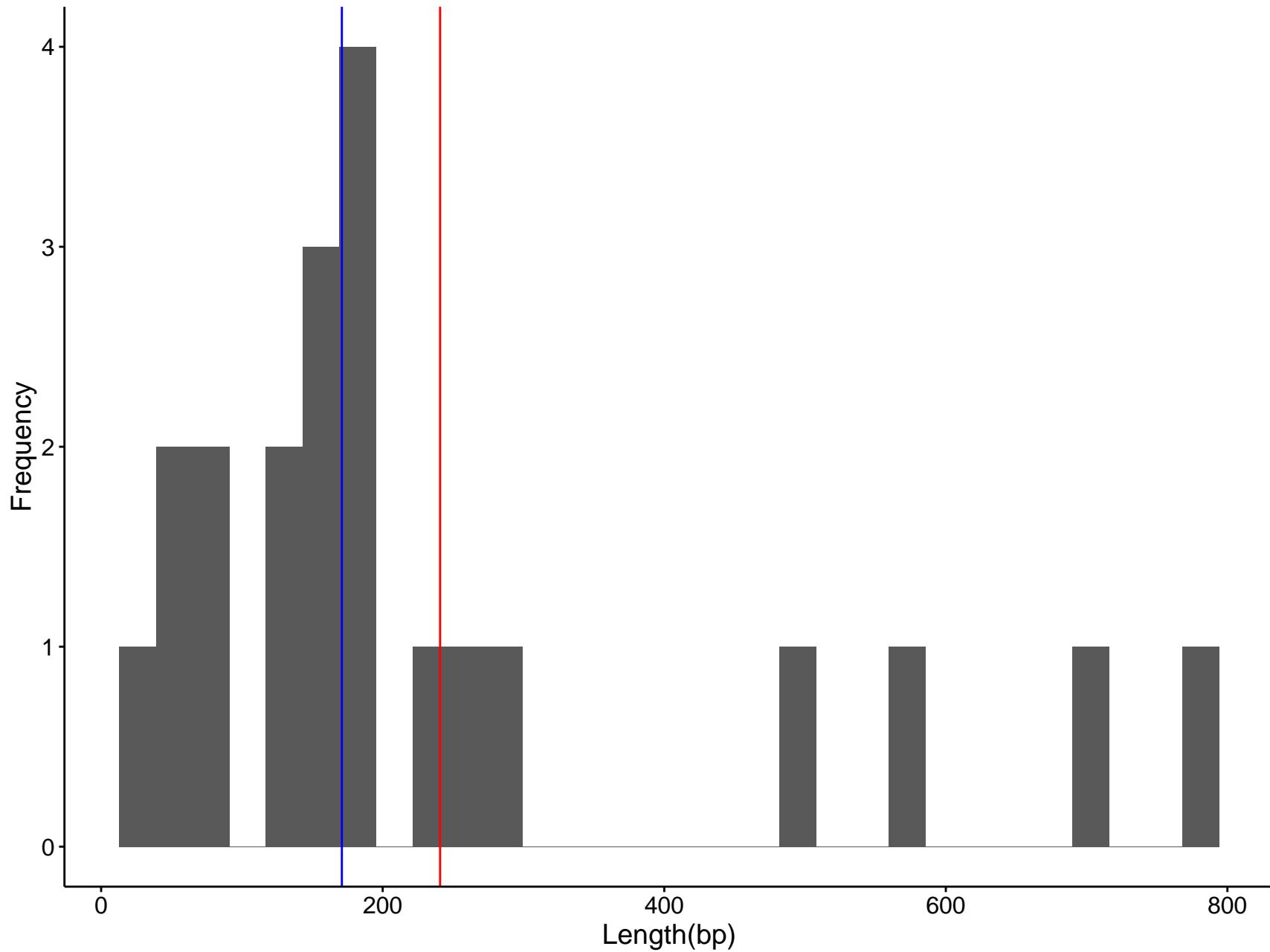
178.025

178.0

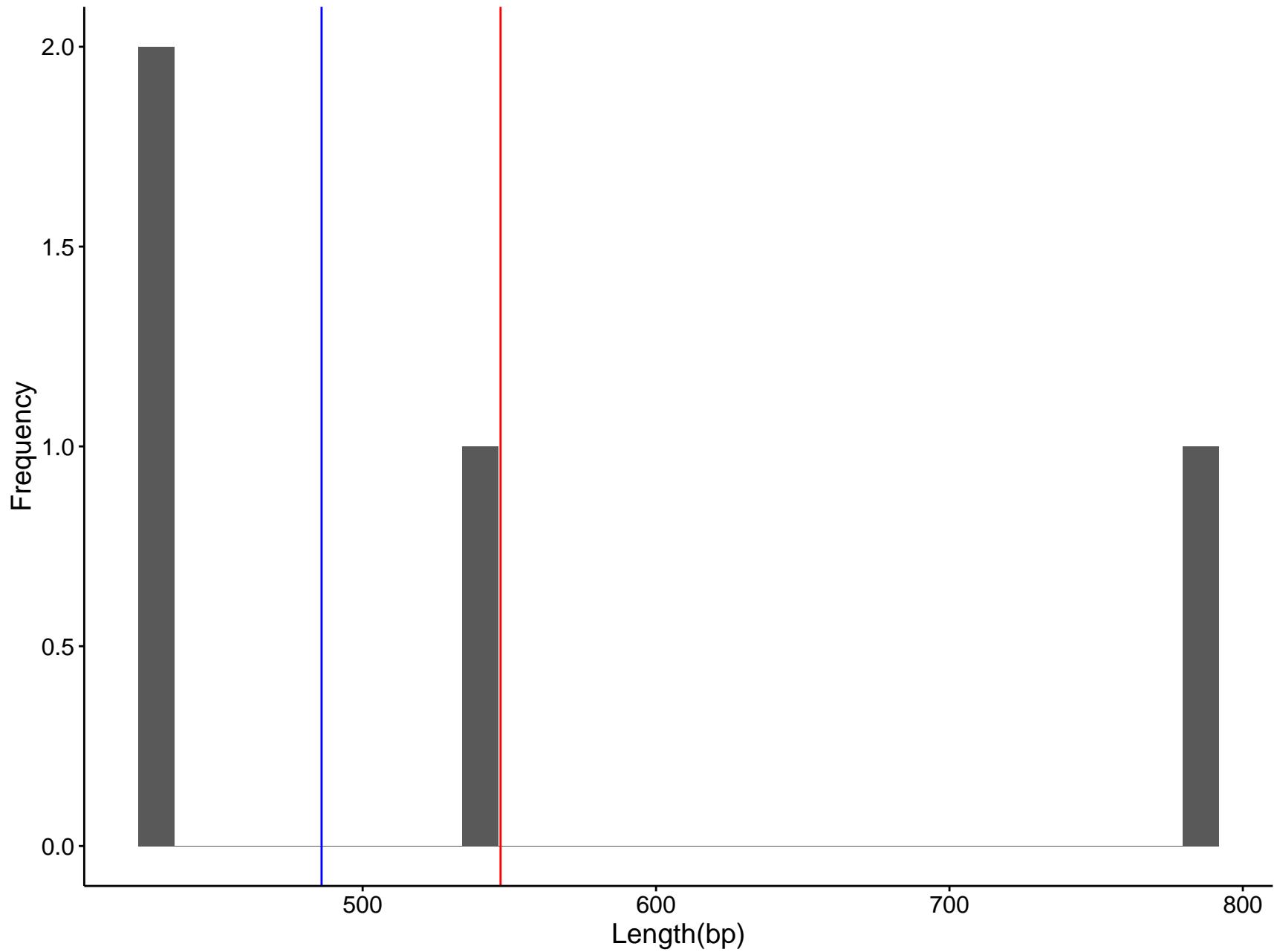
Length(bp)



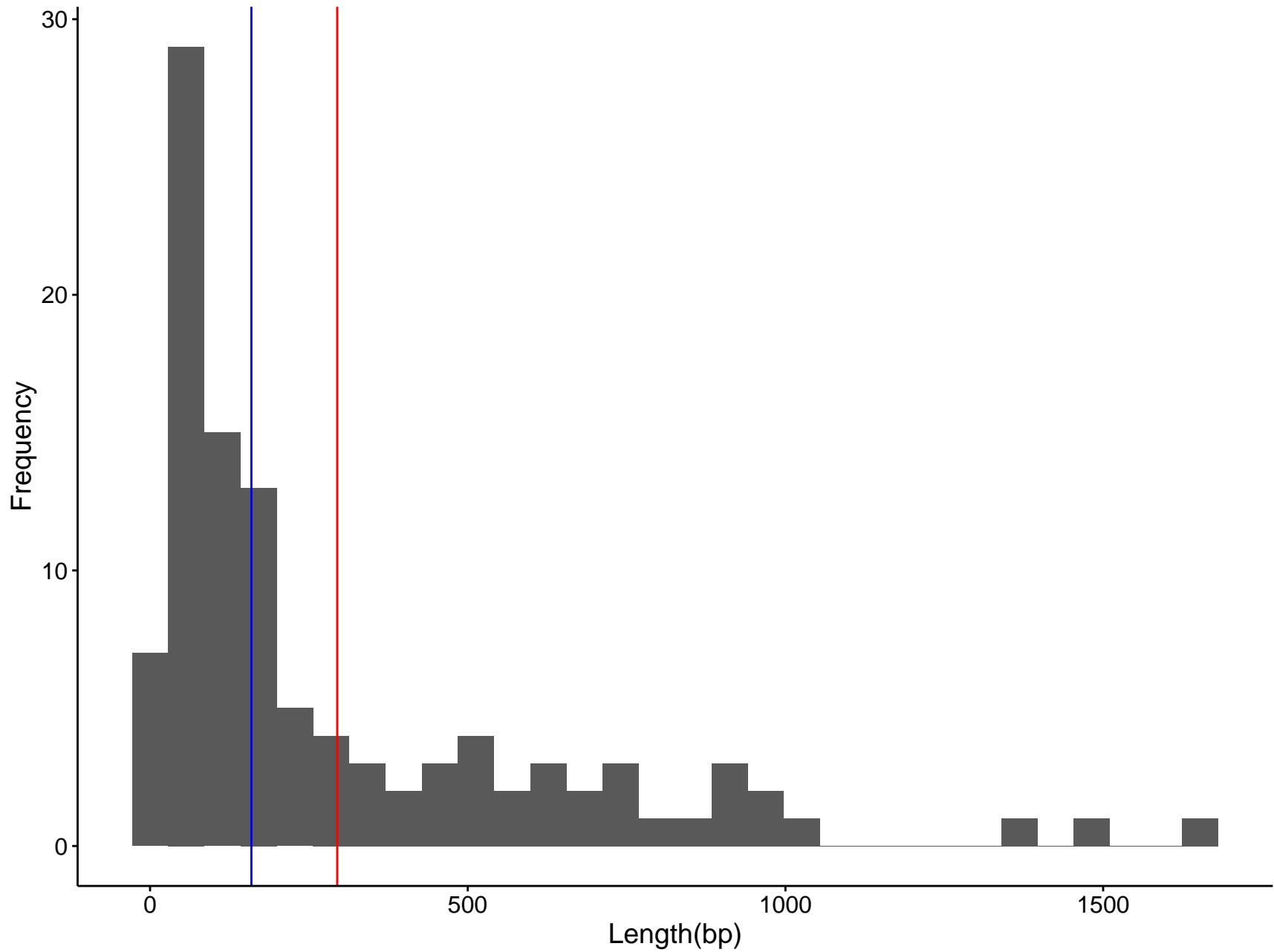
Cluster1717



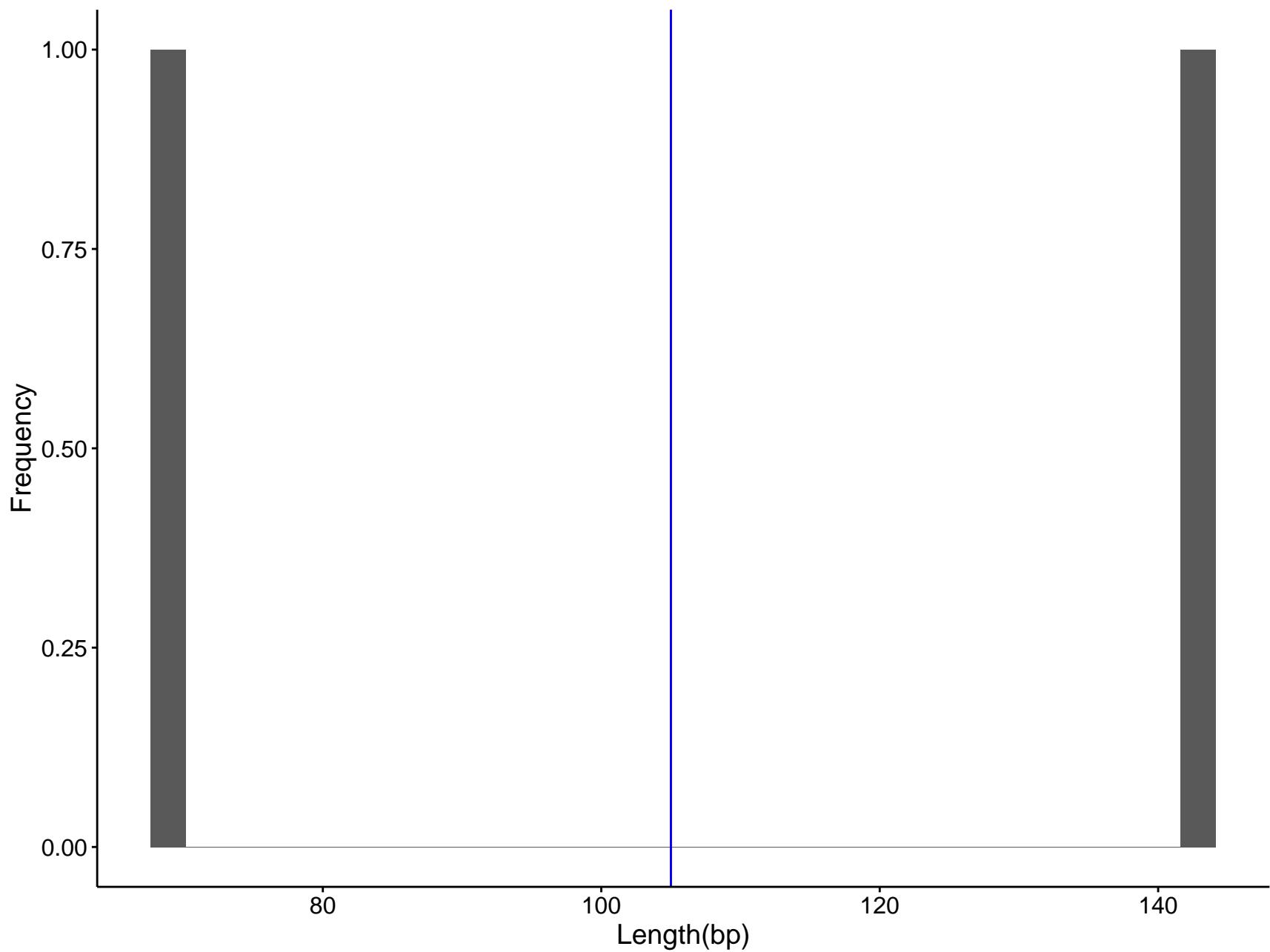
Cluster1720



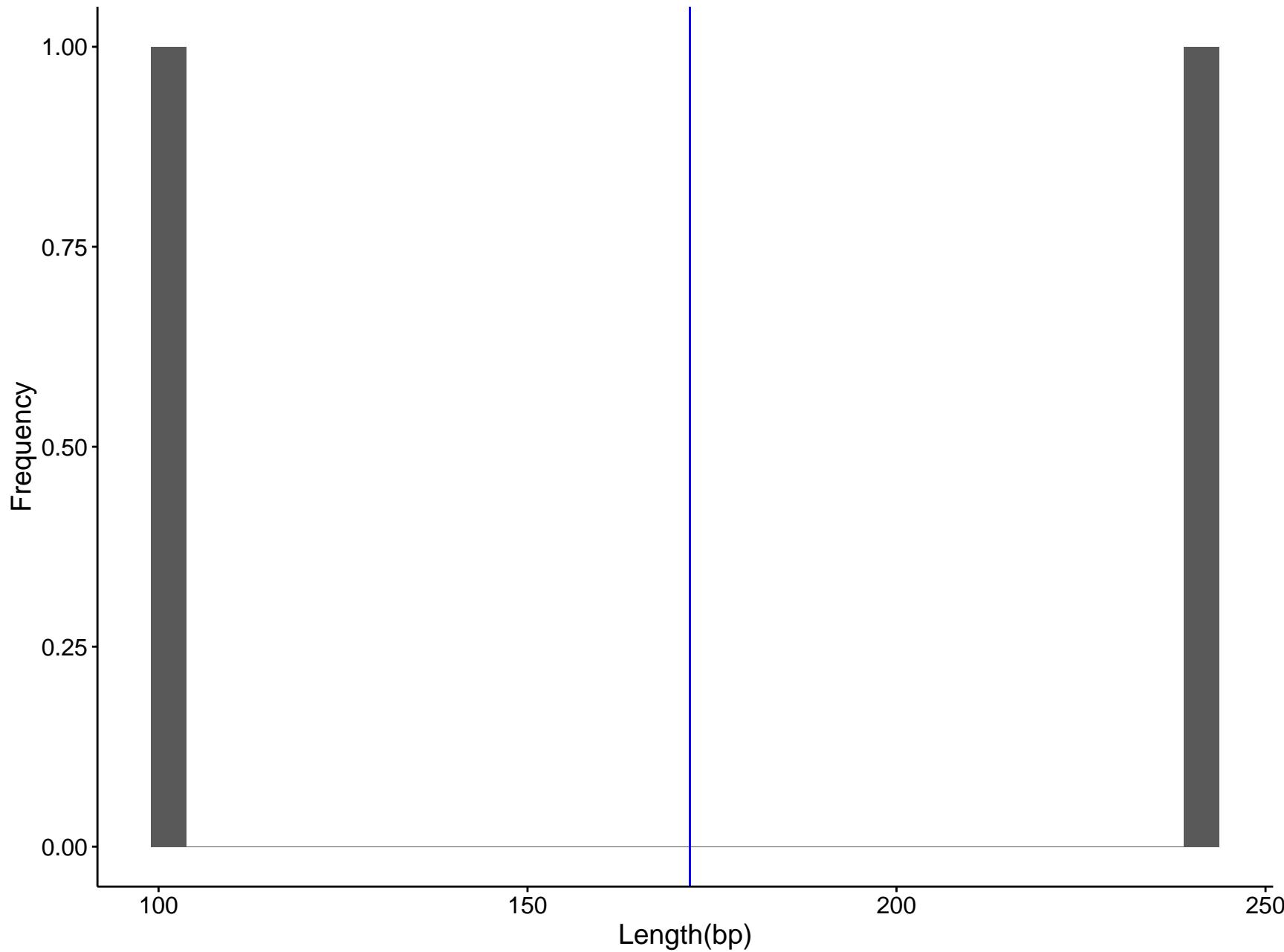
Cluster1722



Cluster1724



Cluster172



Cluster1731

Frequency

125.950

125.975

126.000

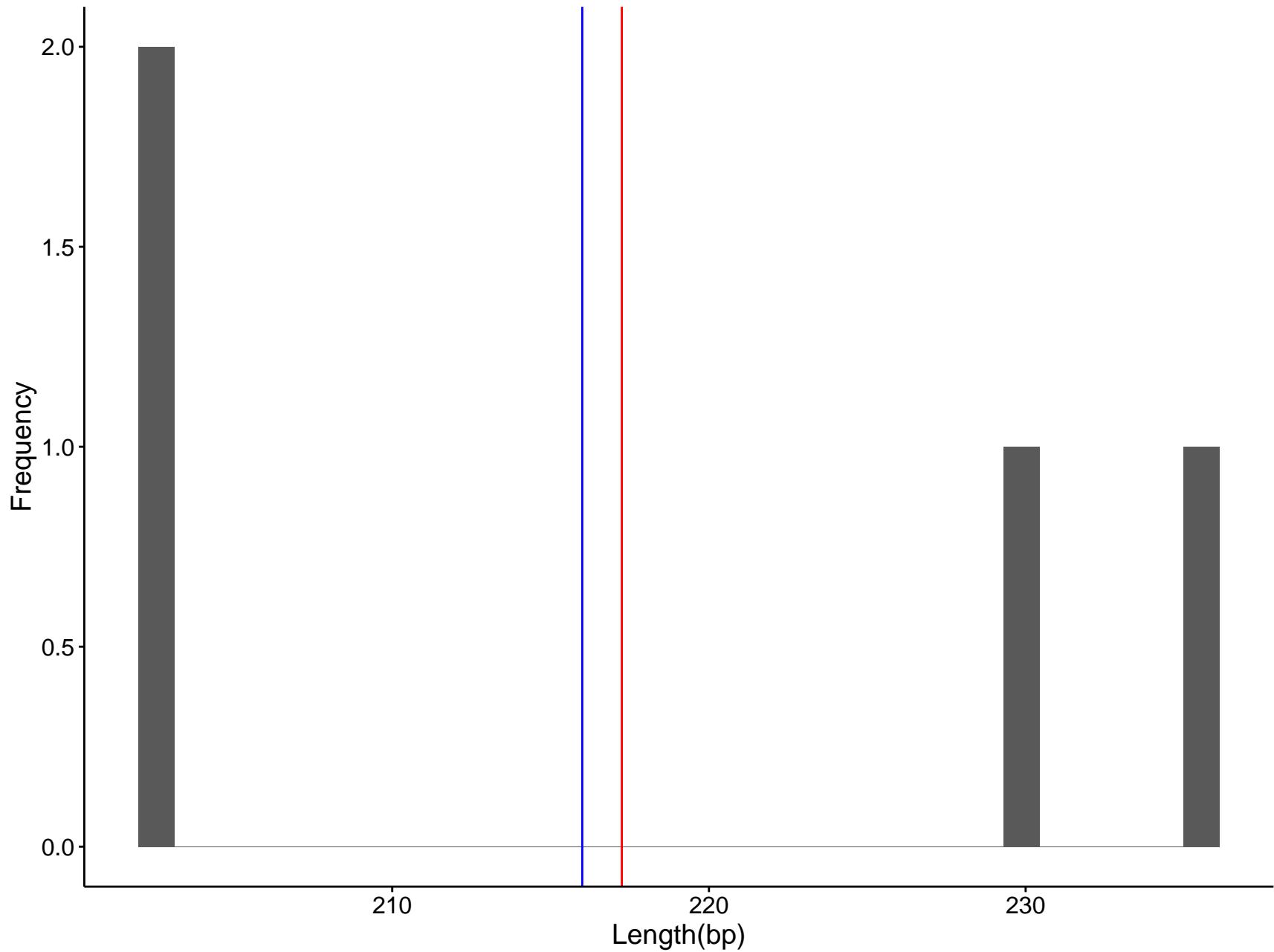
126.025

126.050

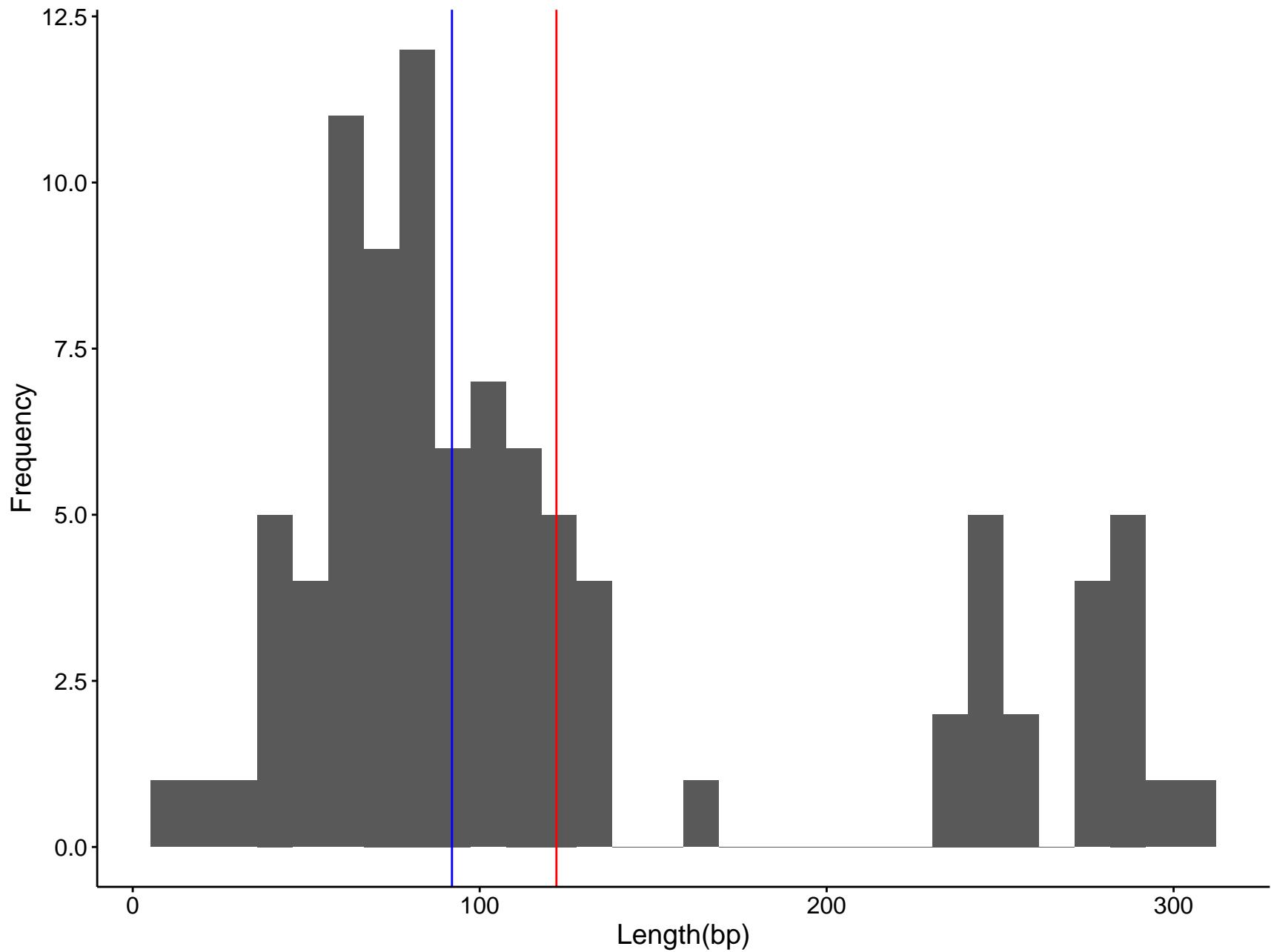
Length(bp)



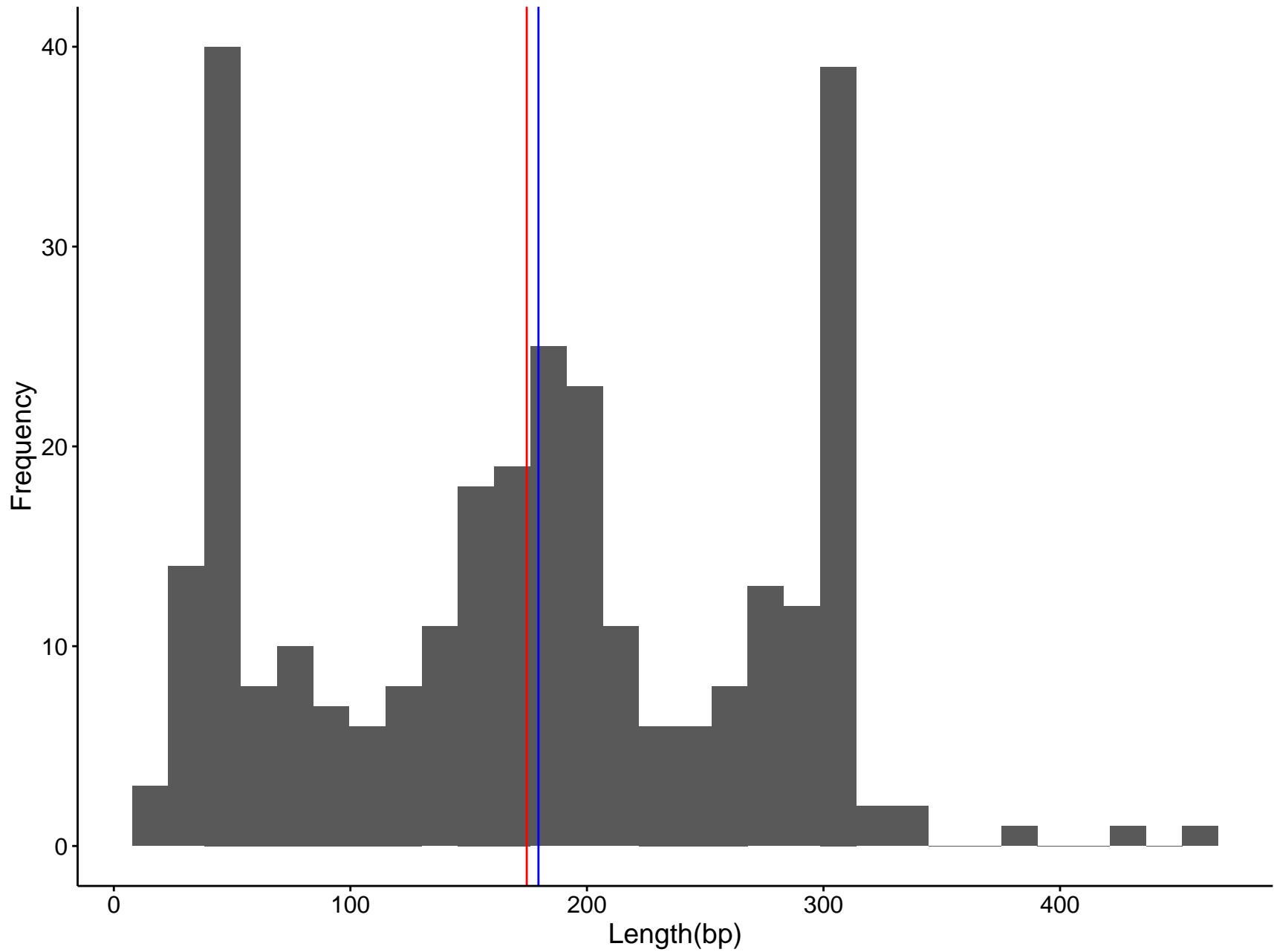
Cluster1735



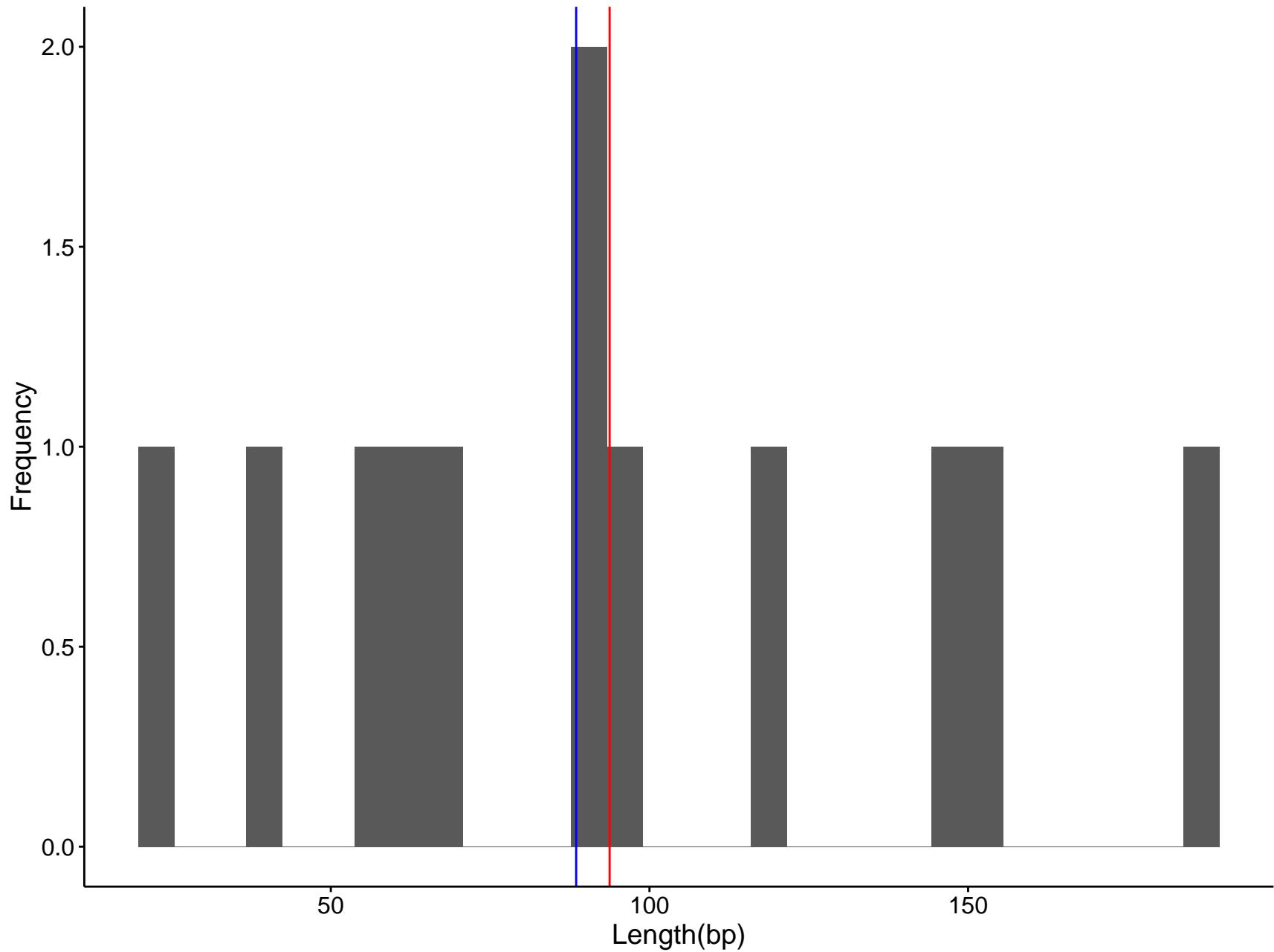
Cluster1743



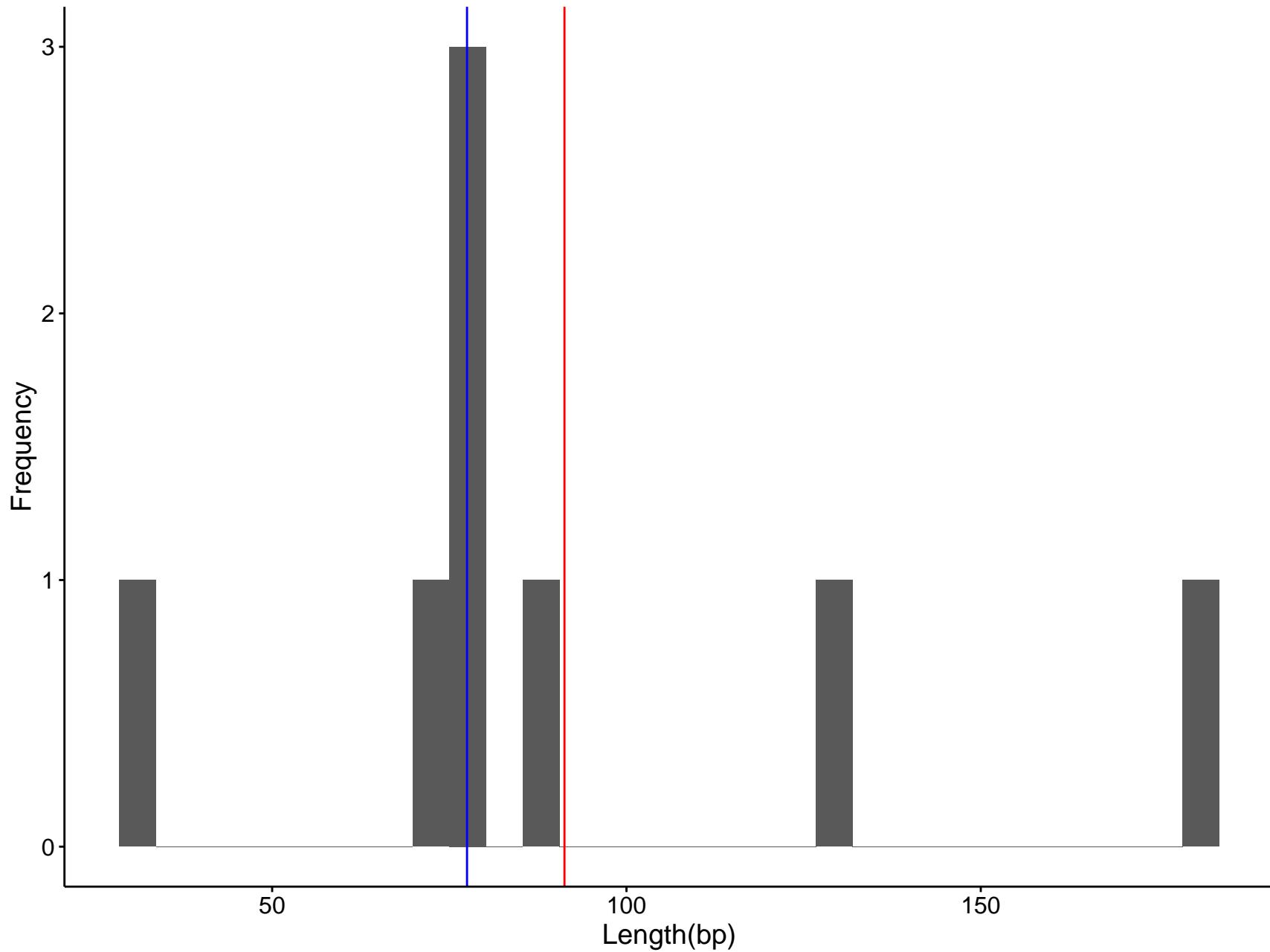
Cluster1744



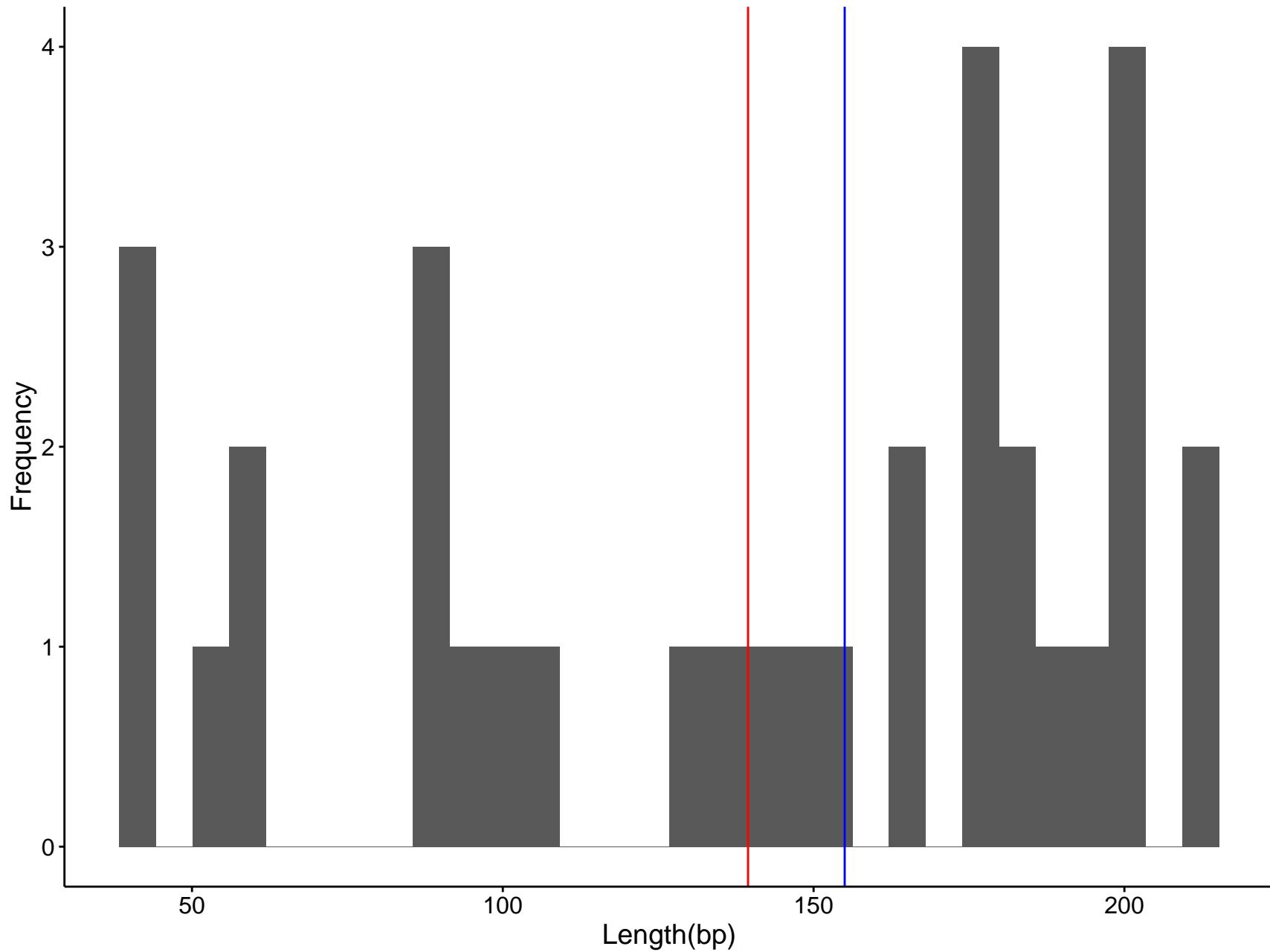
Cluster1745



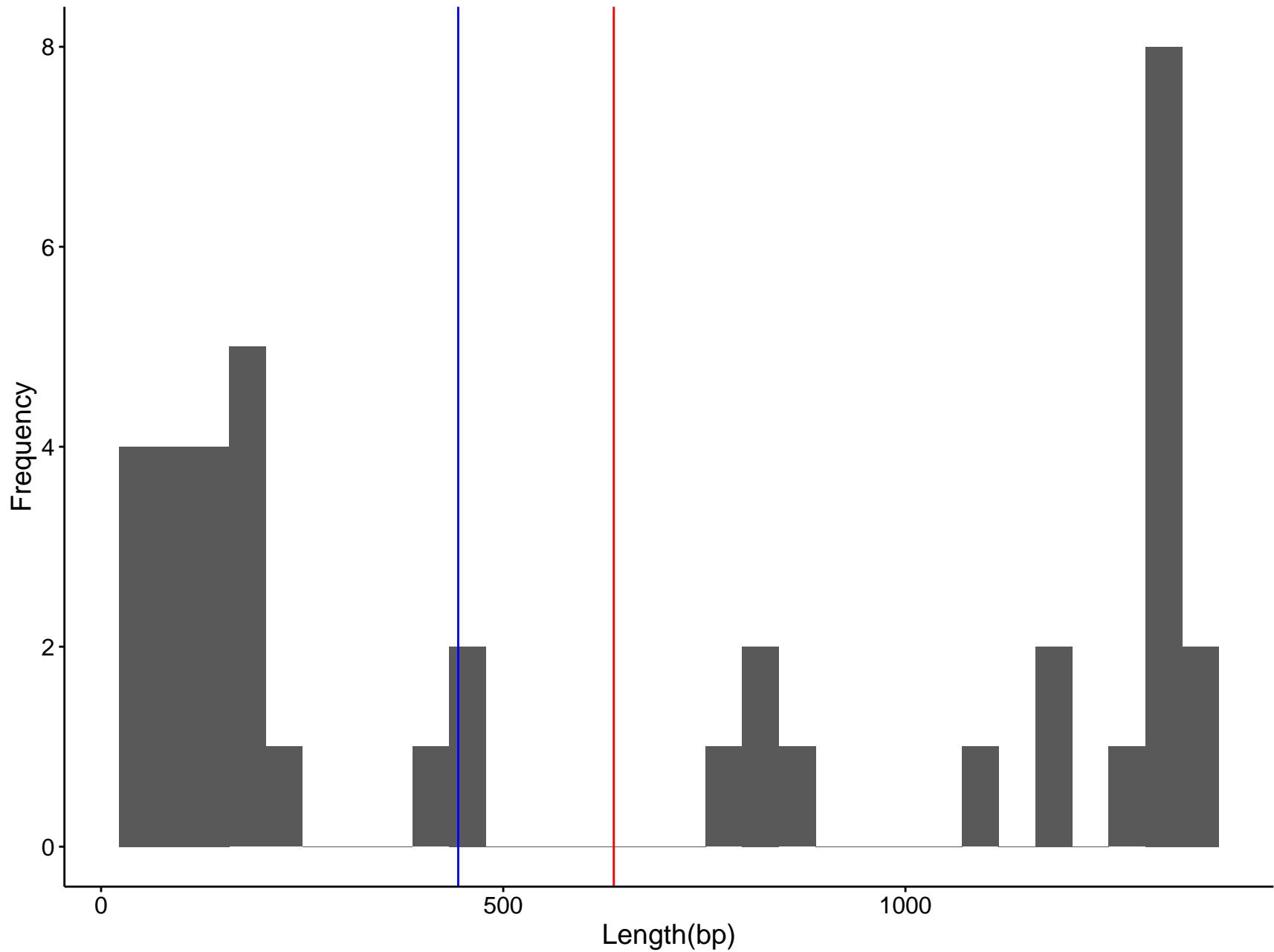
Cluster1746



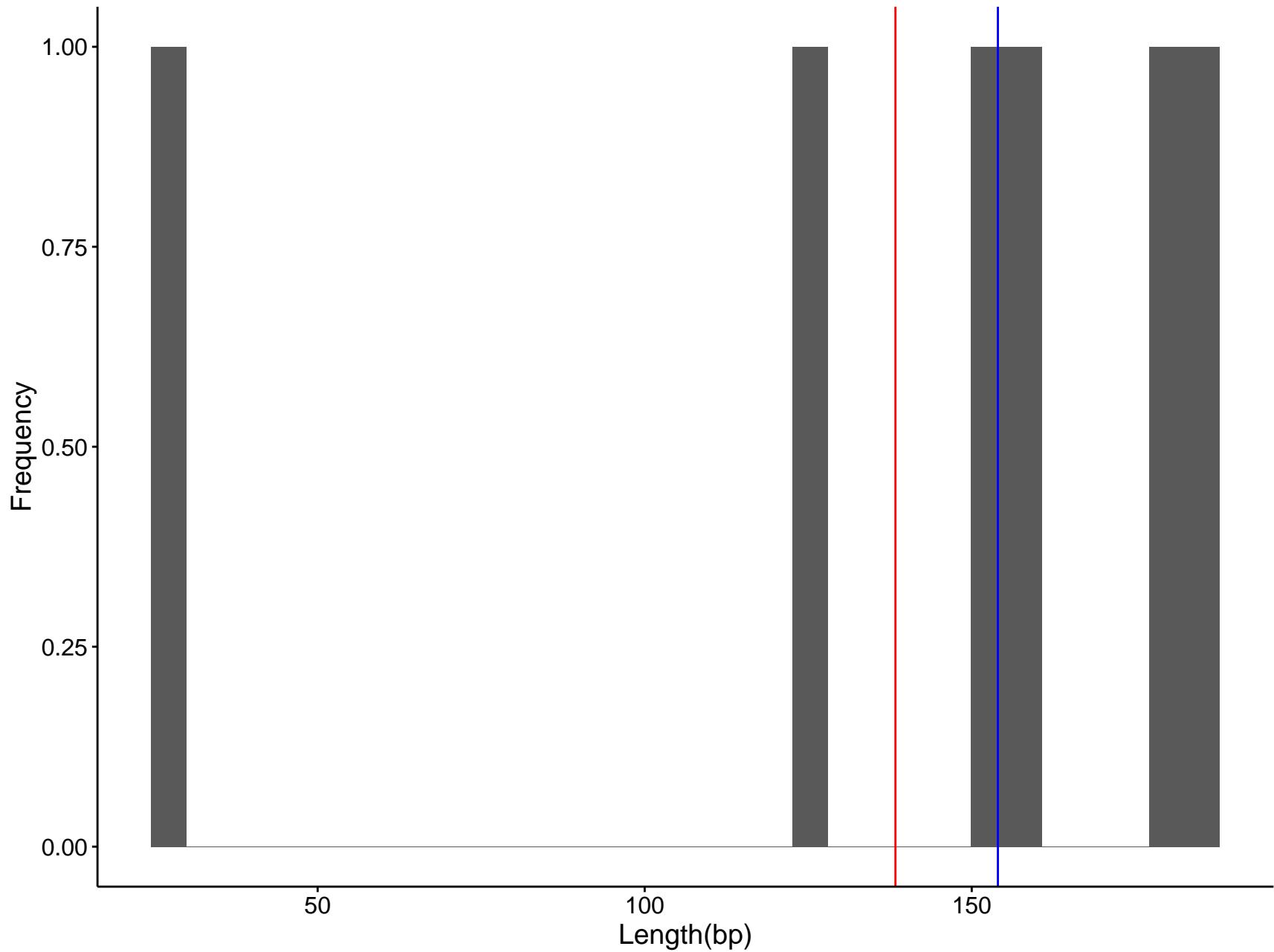
Cluster1747



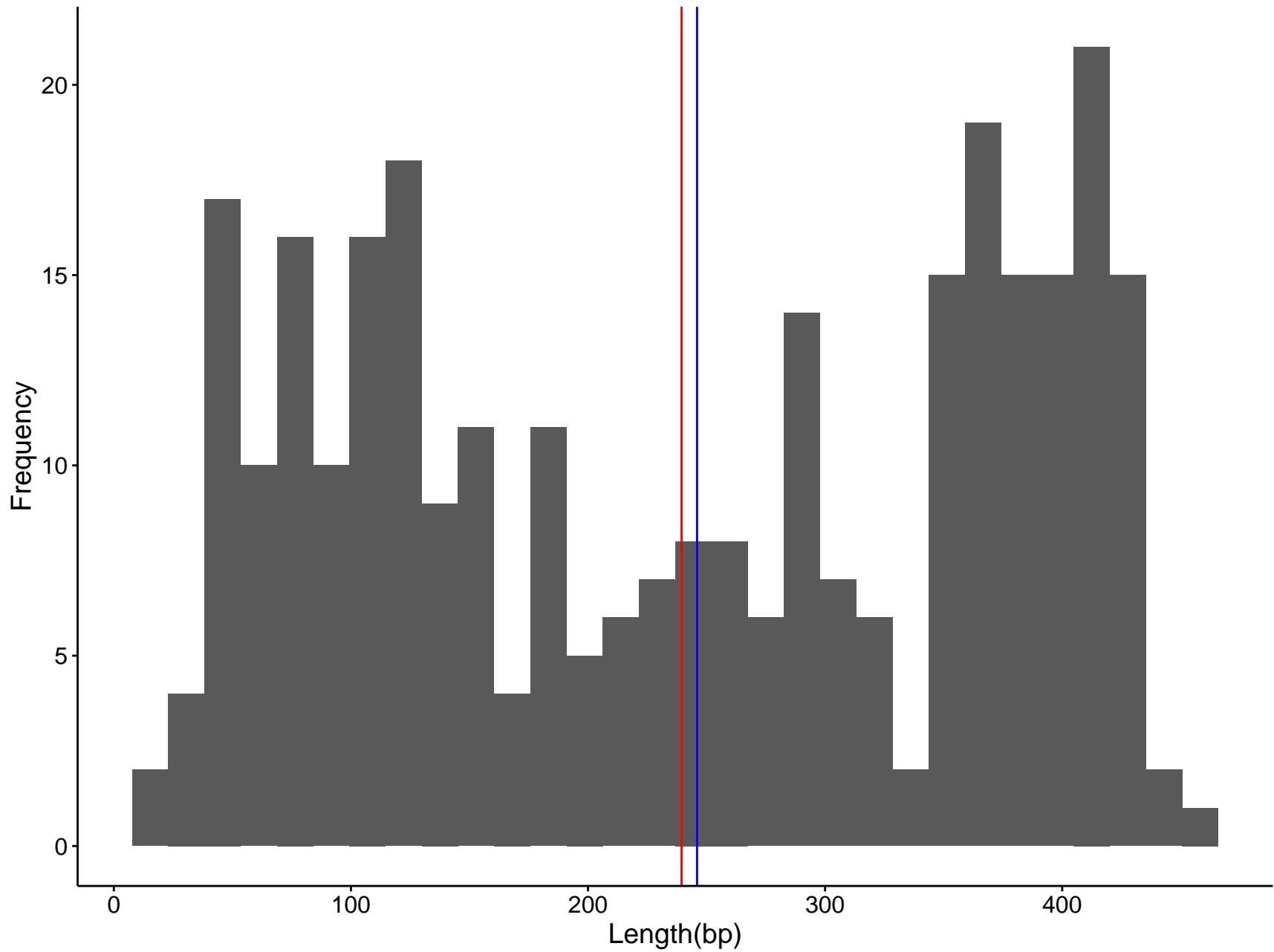
Cluster1748



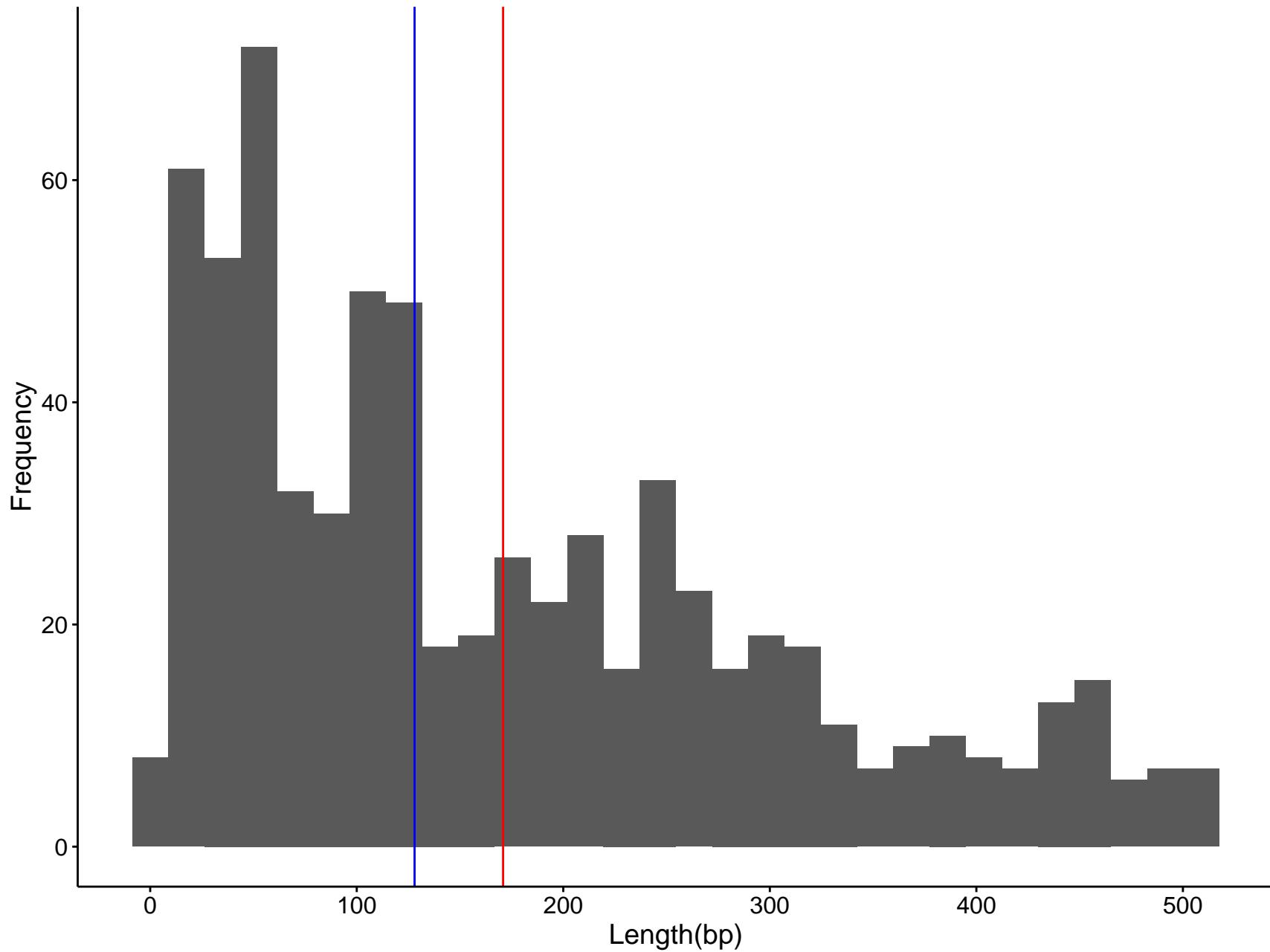
Cluster174



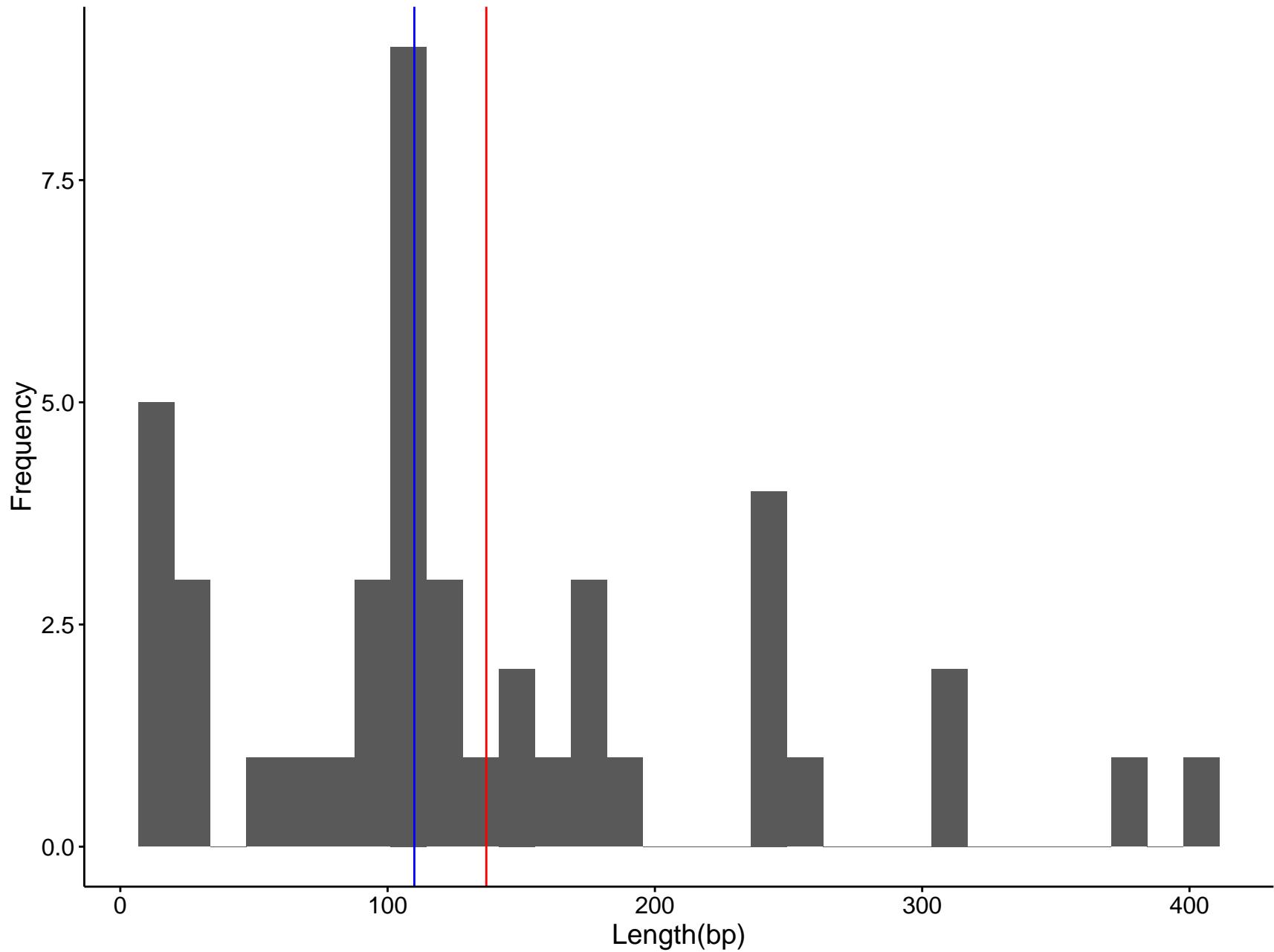
Cluster1750



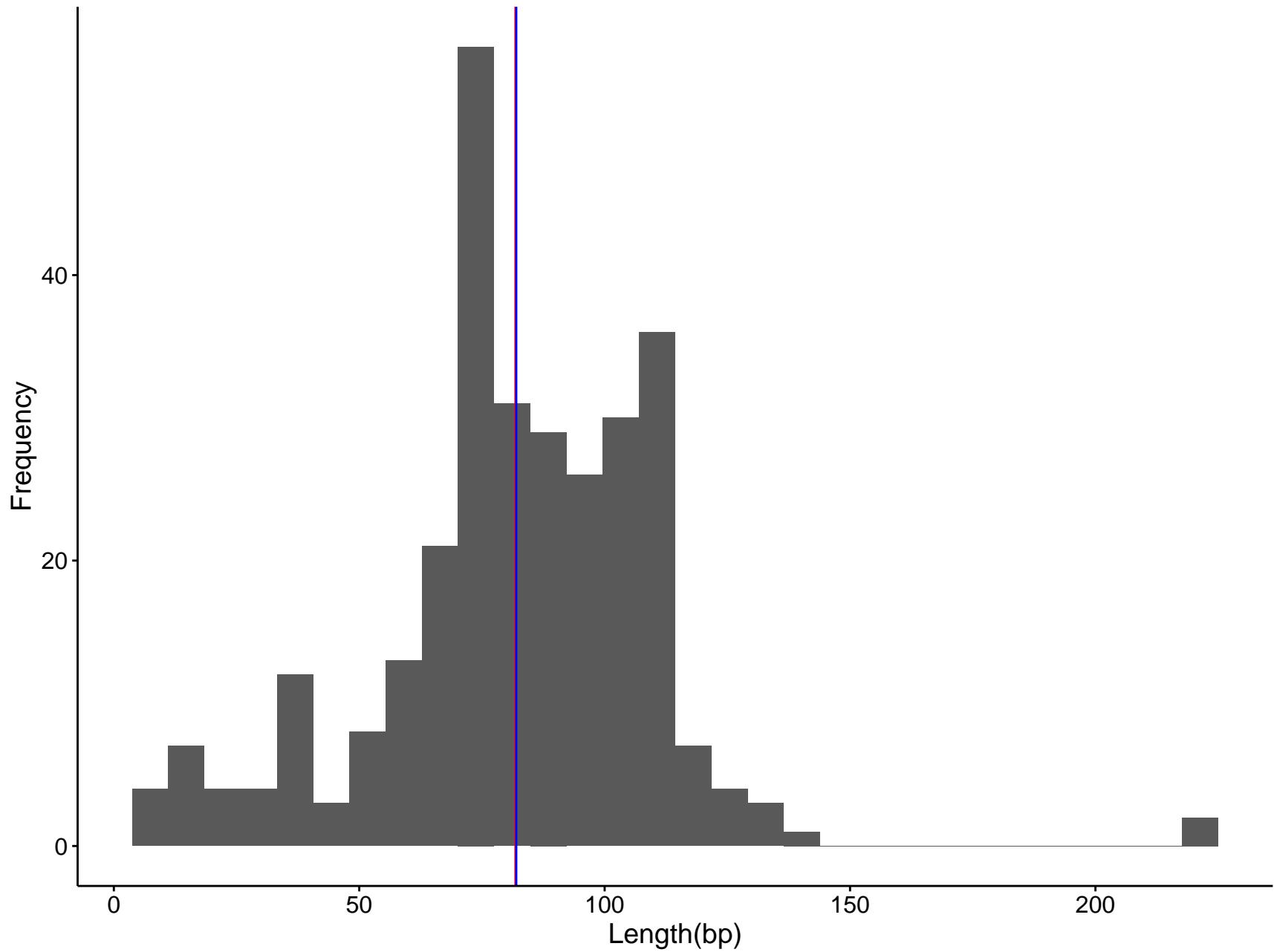
Cluster1752



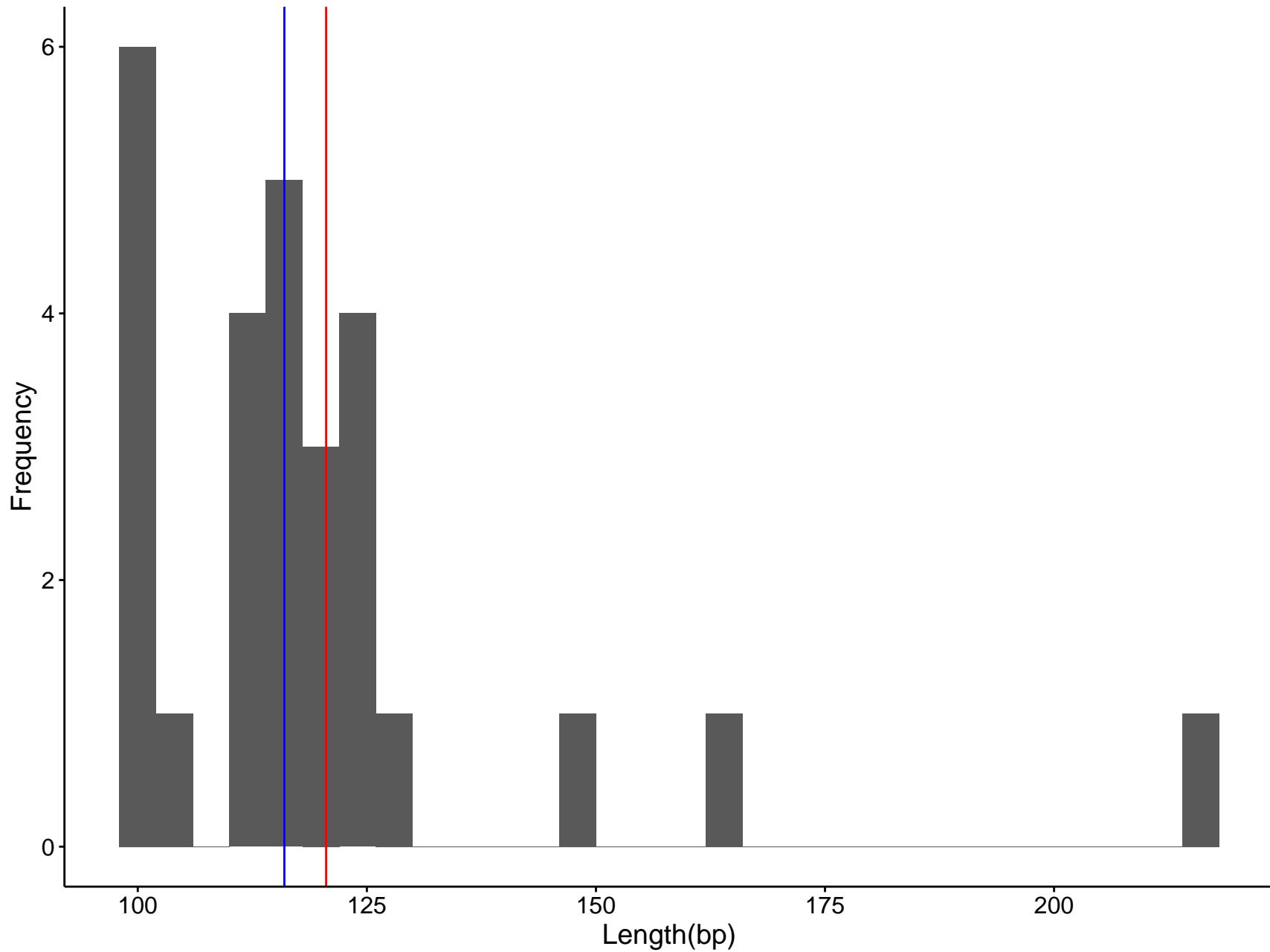
Cluster1753



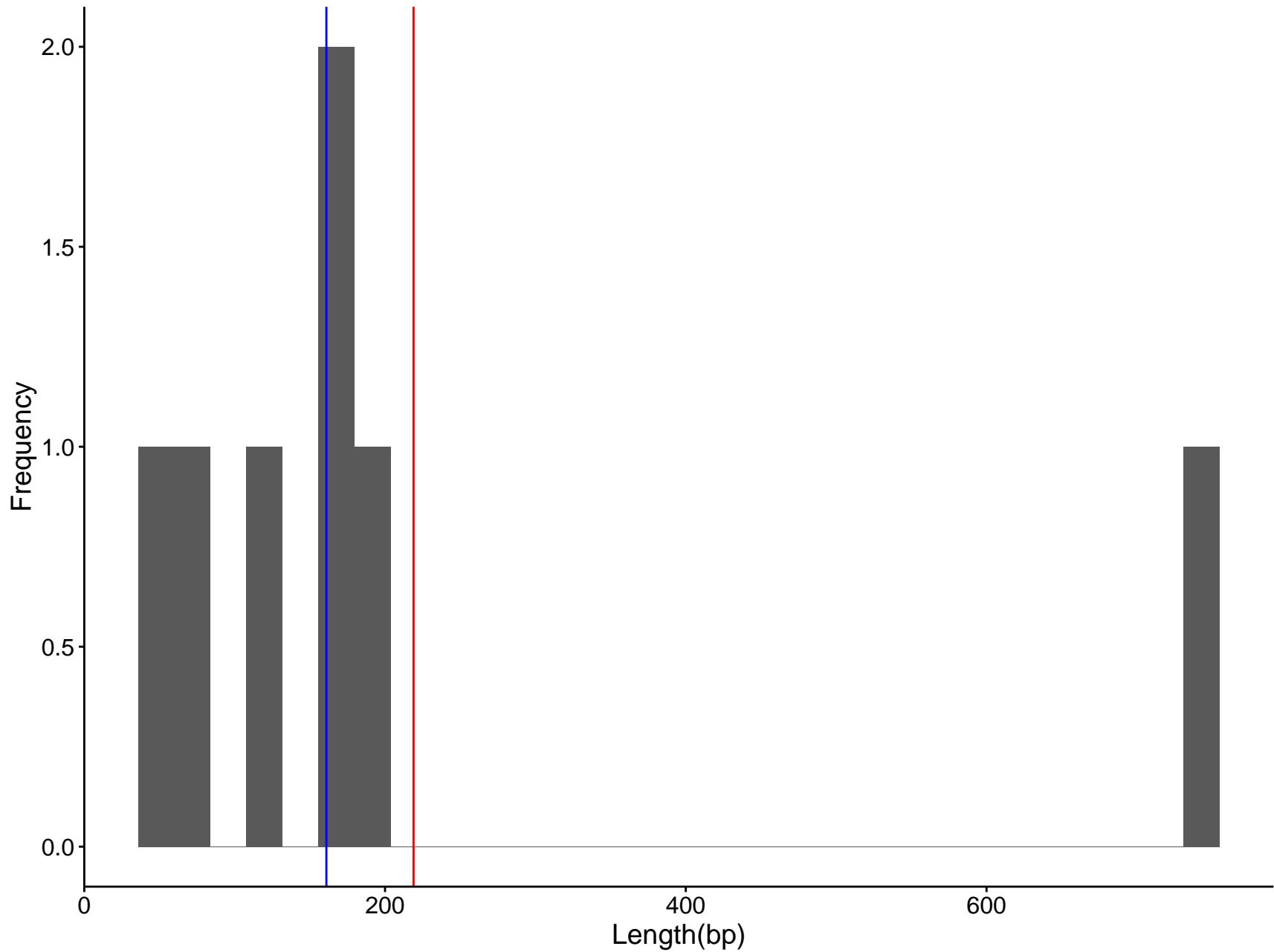
Cluster1755



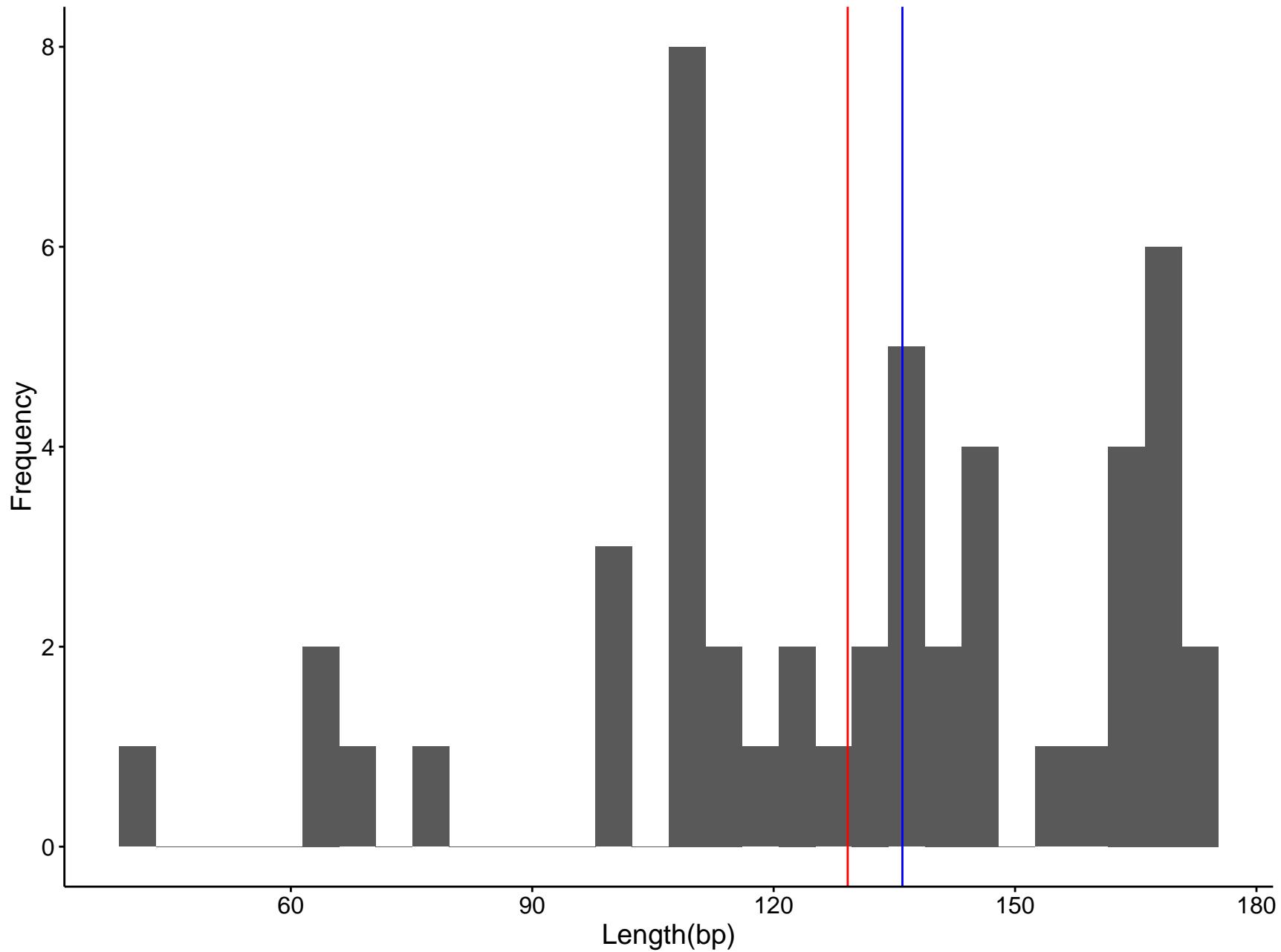
Cluster1757



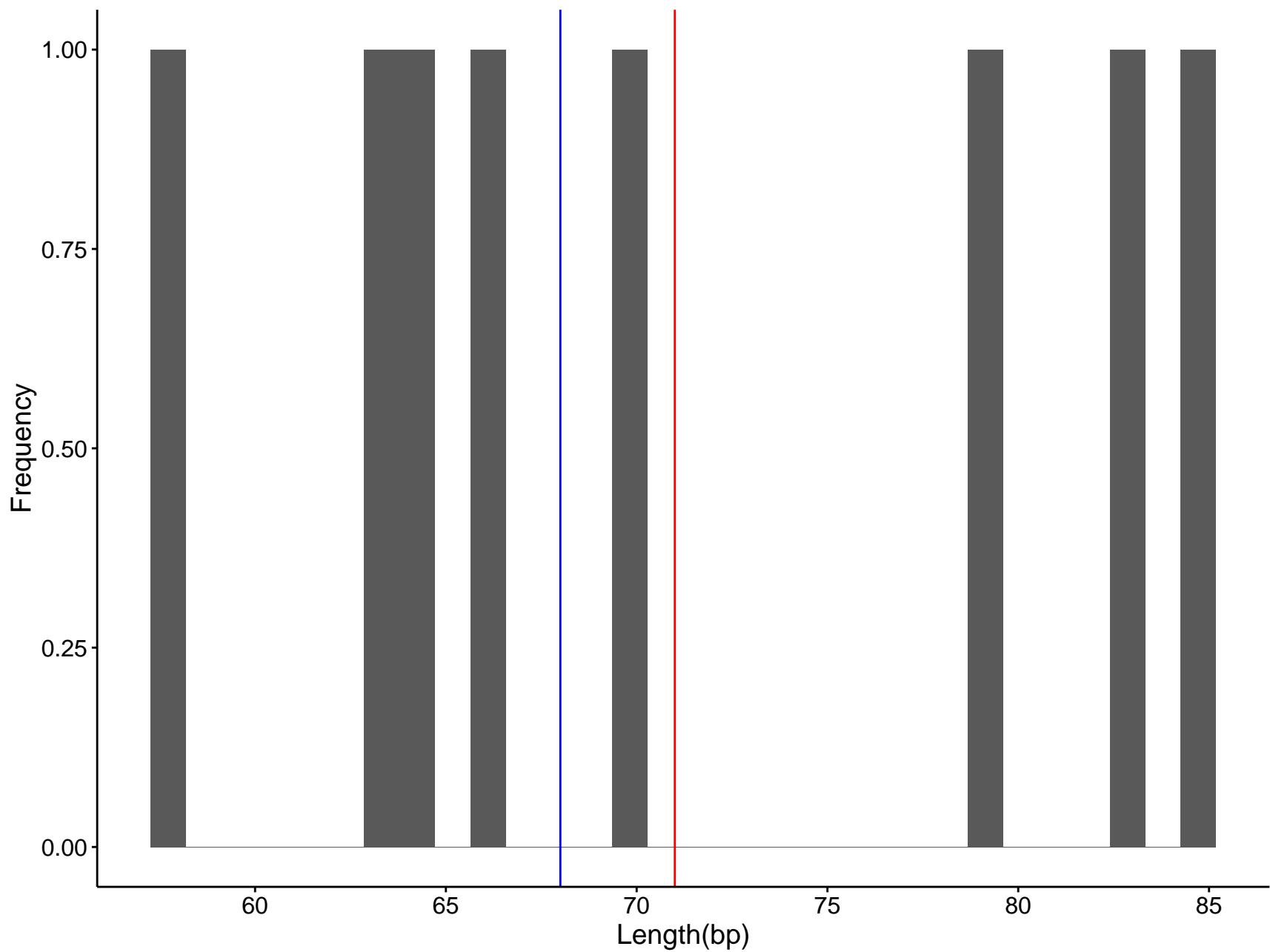
Cluster1758



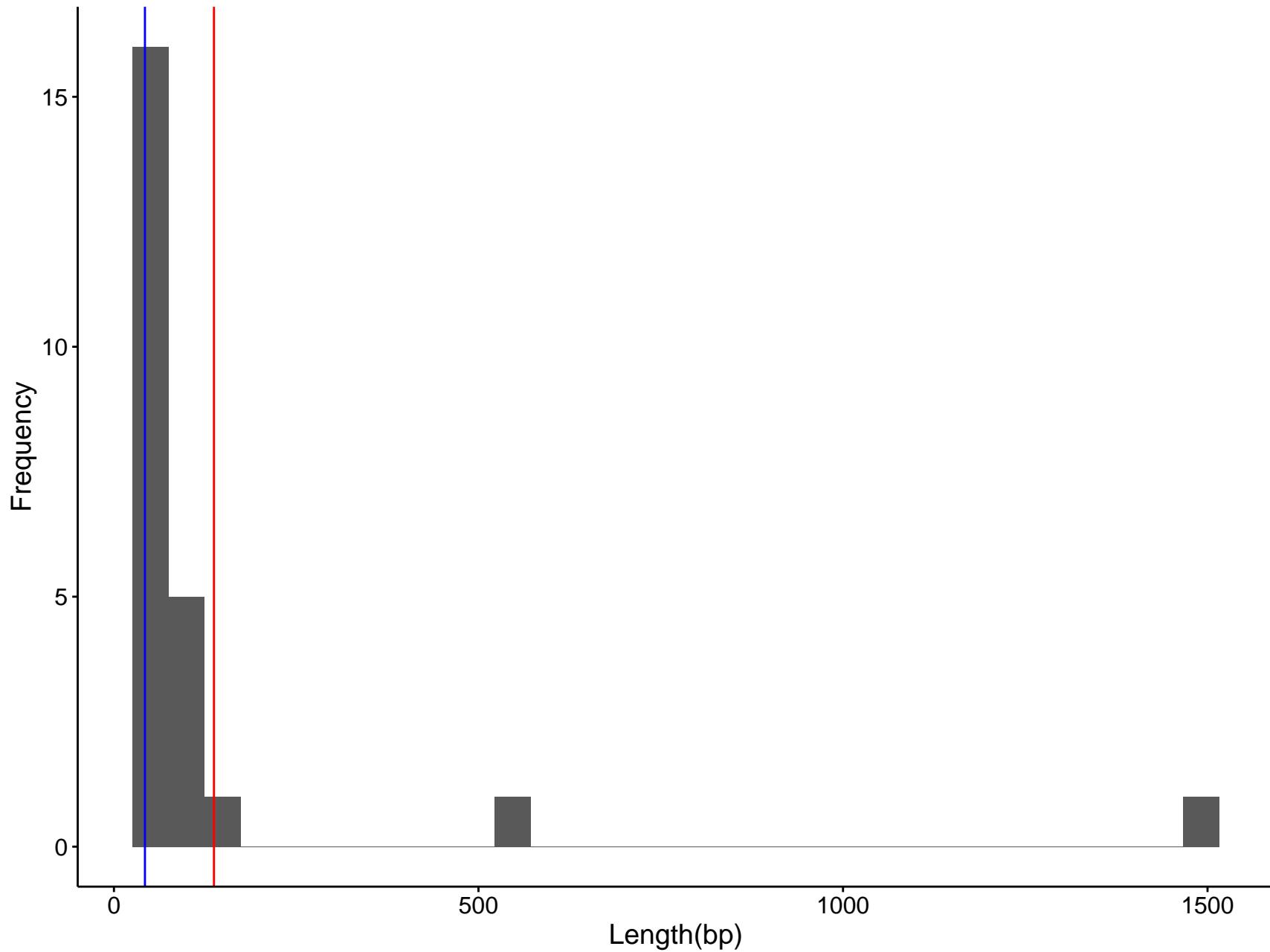
Cluster1760



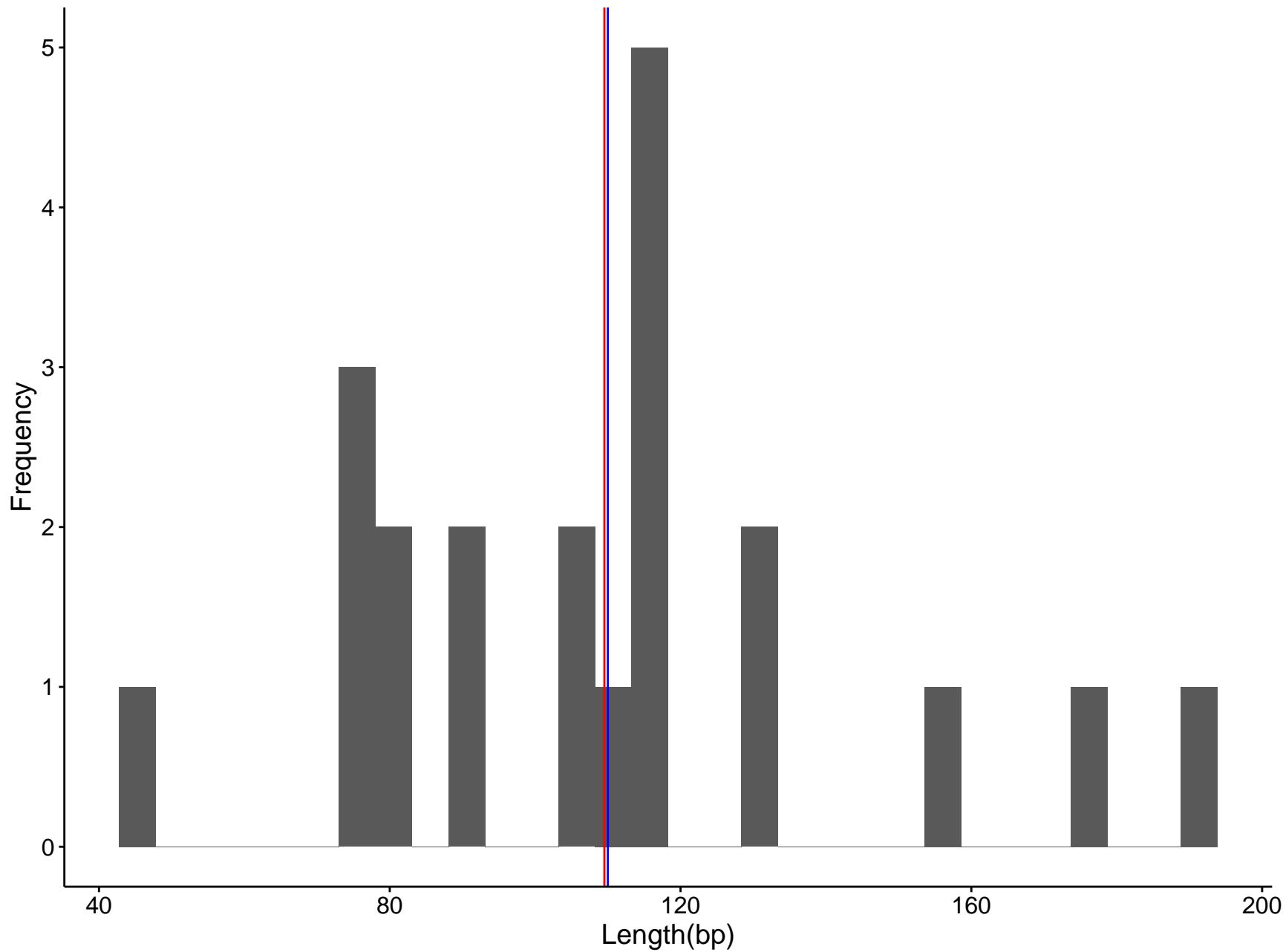
Cluster1761



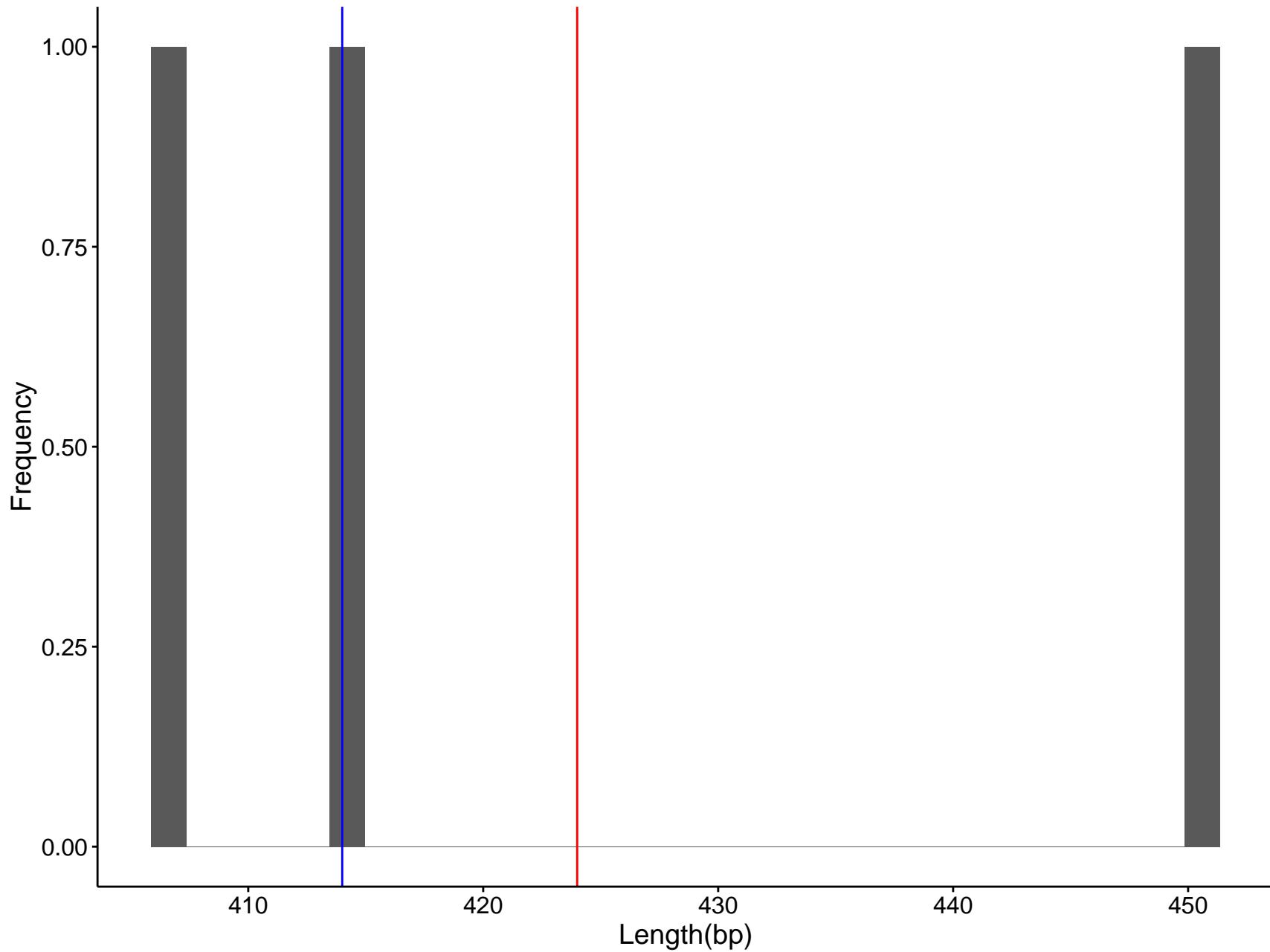
Cluster1765



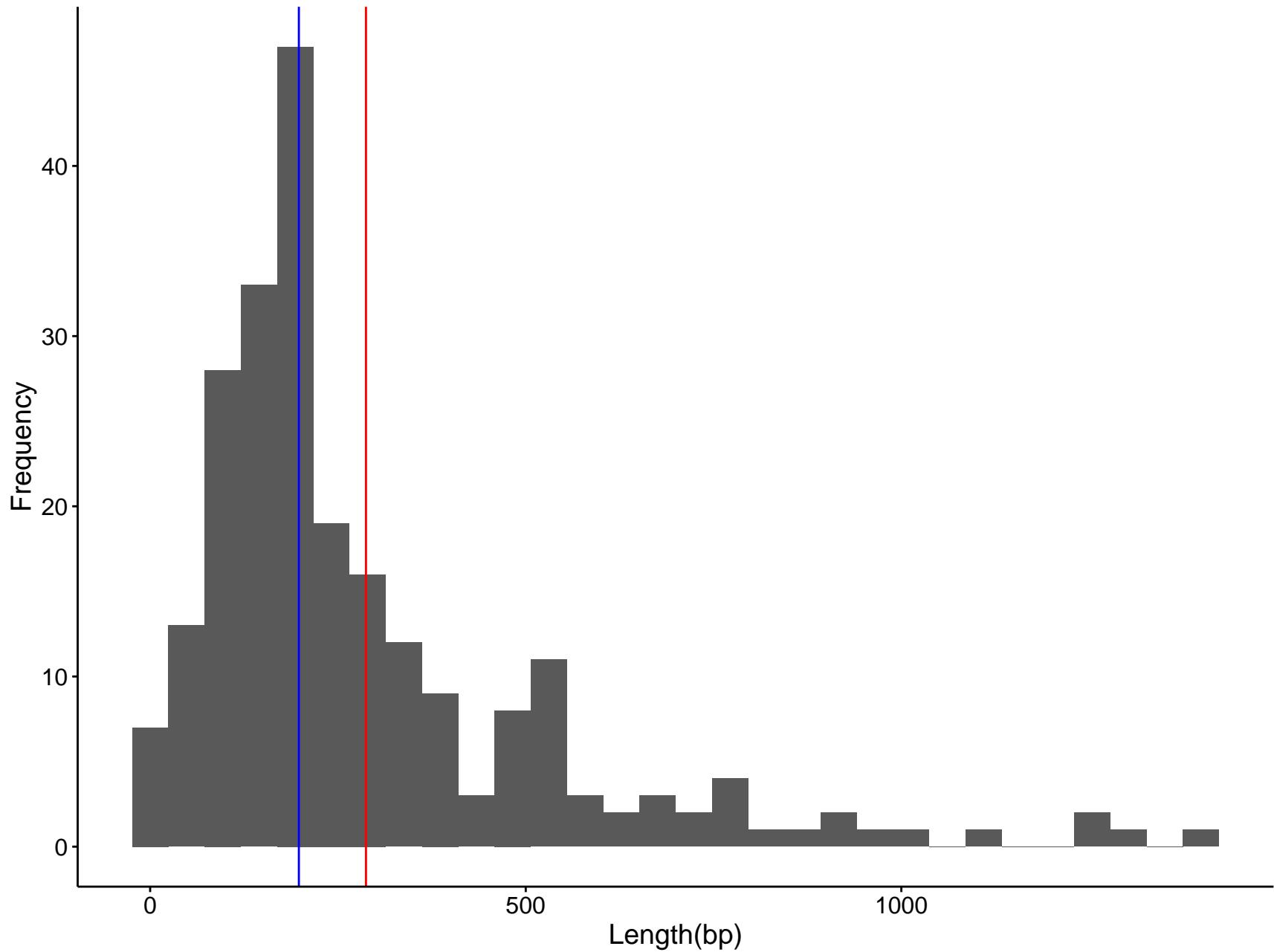
Cluster1766



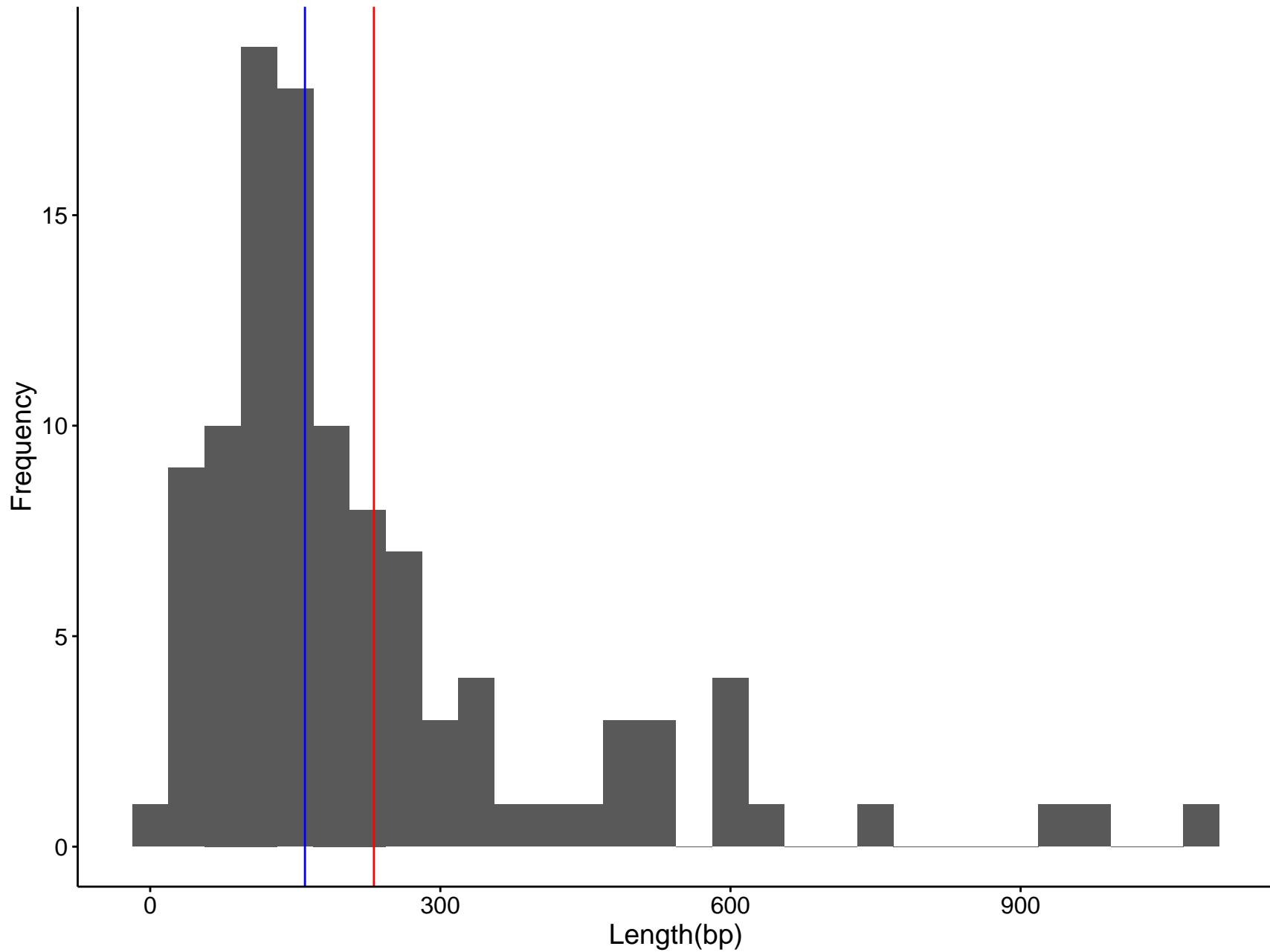
Cluster176



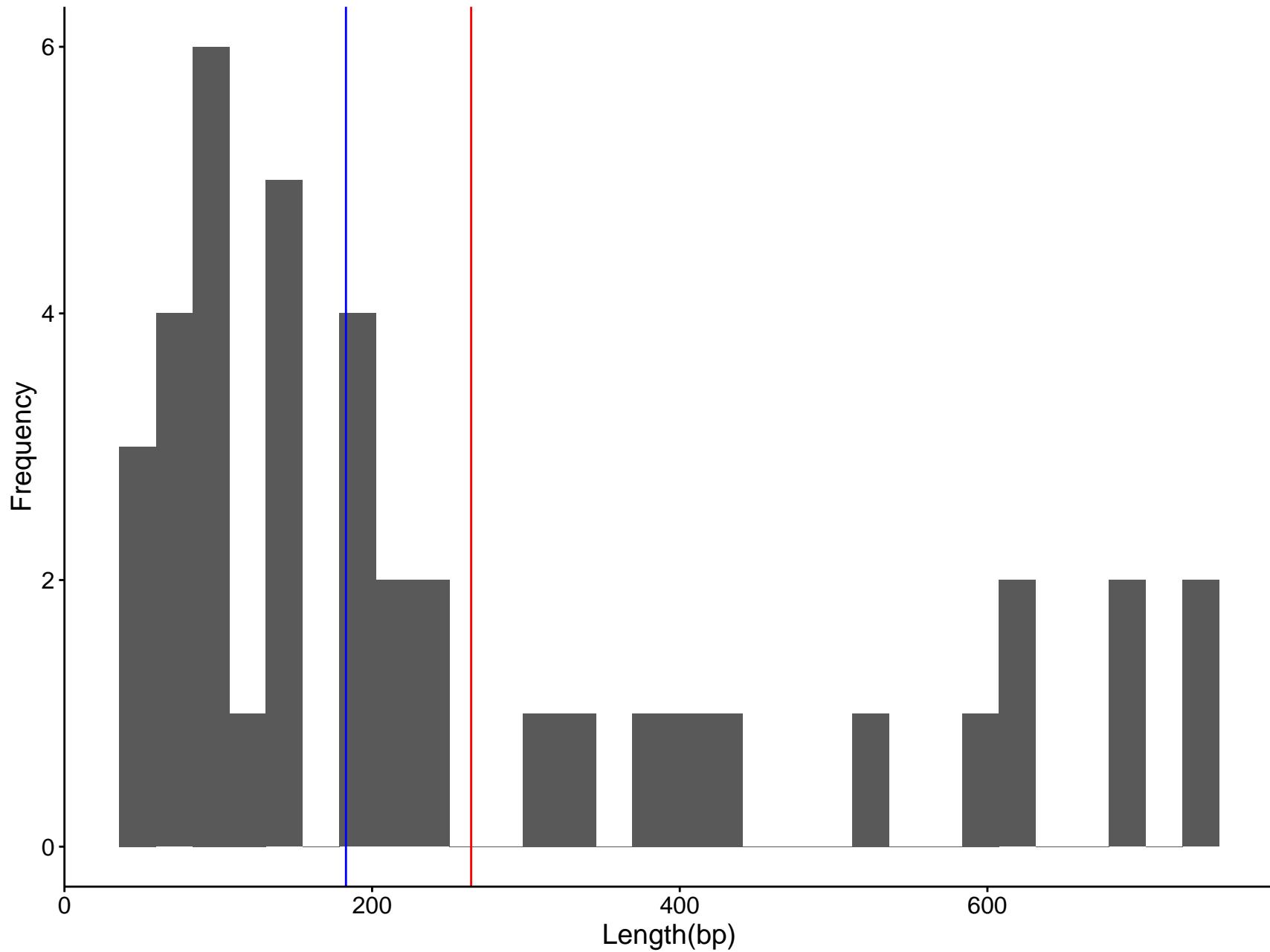
Cluster1774



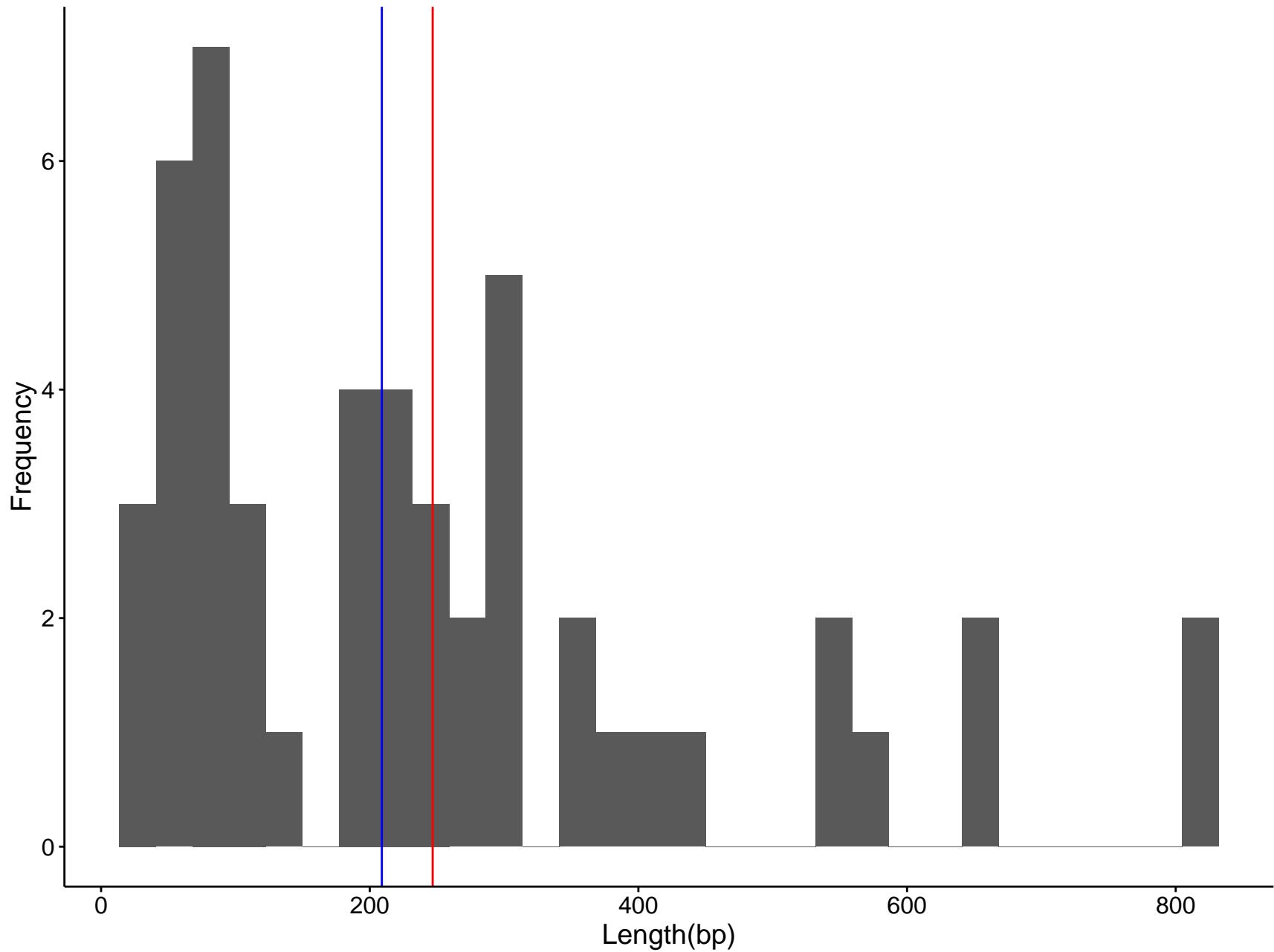
Cluster1776



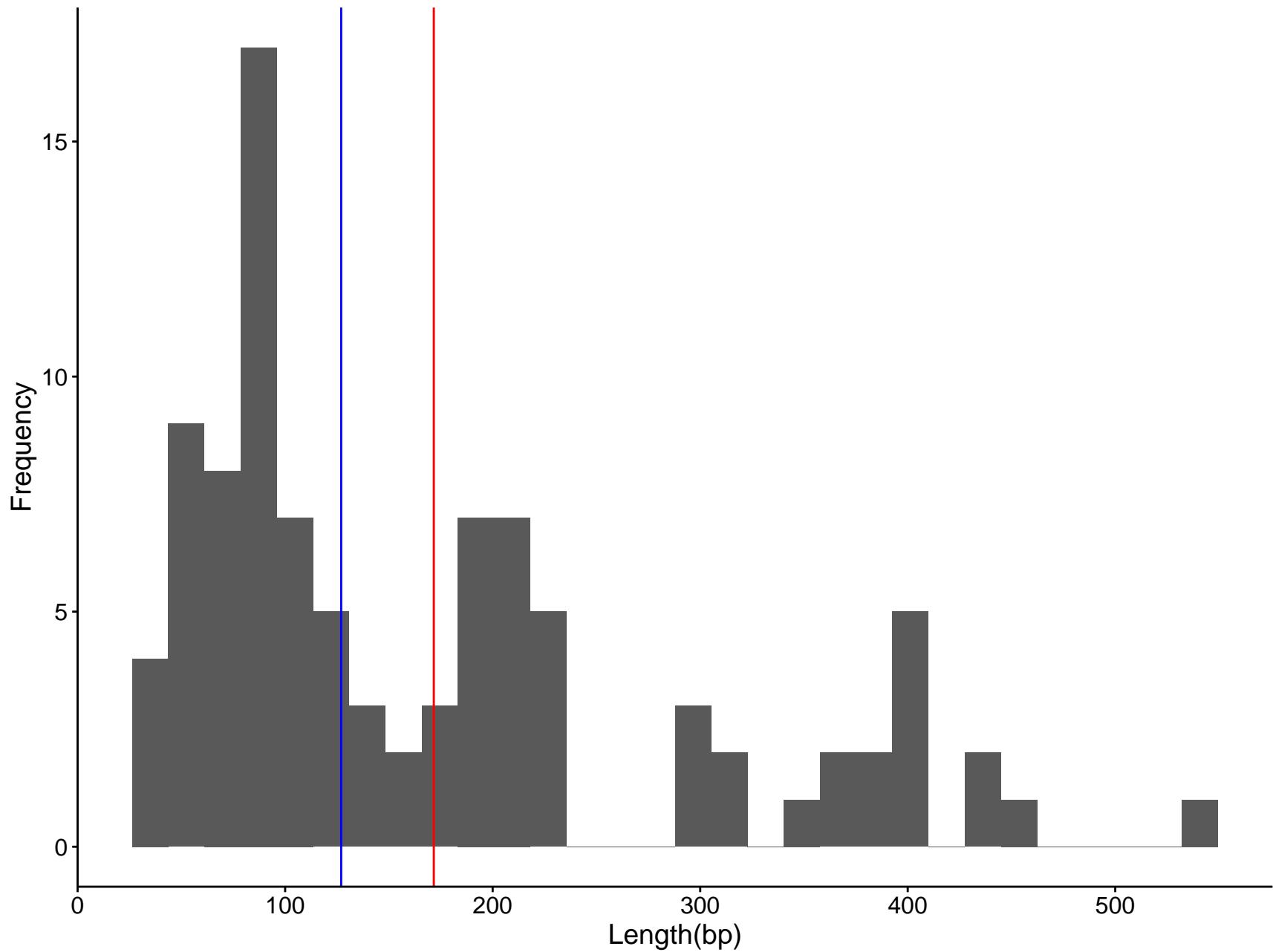
Cluster1777



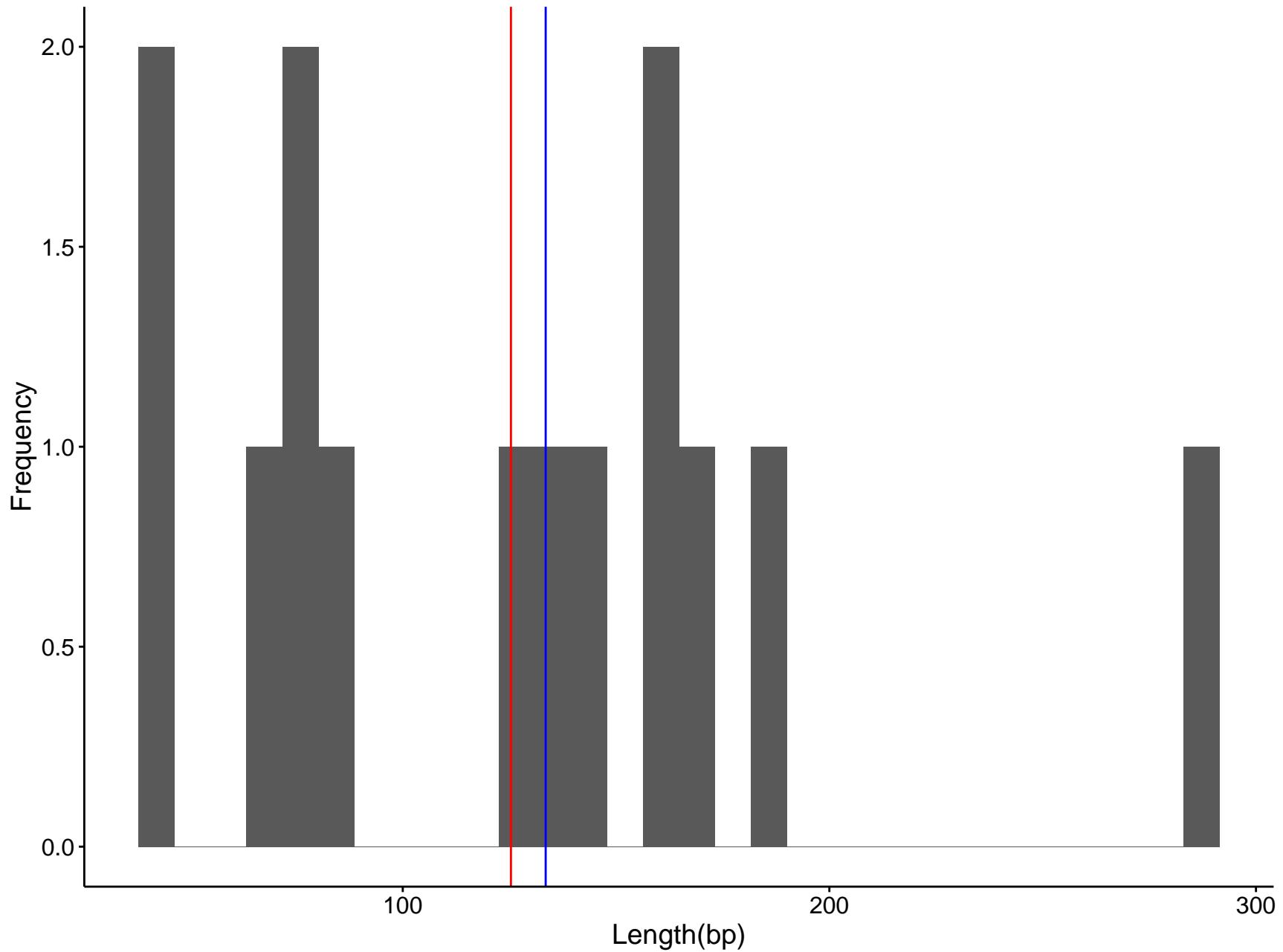
Cluster1778



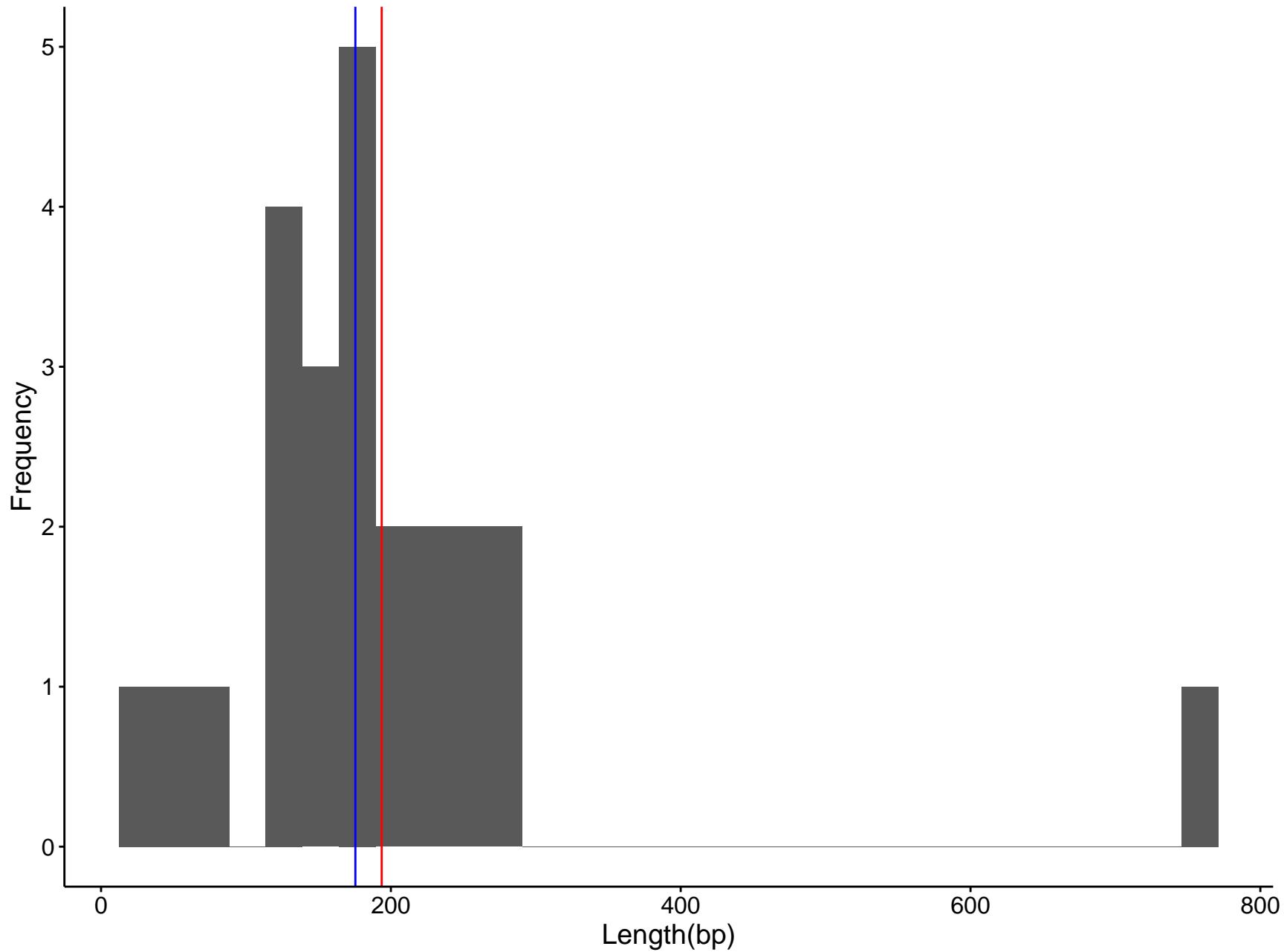
Cluster1779



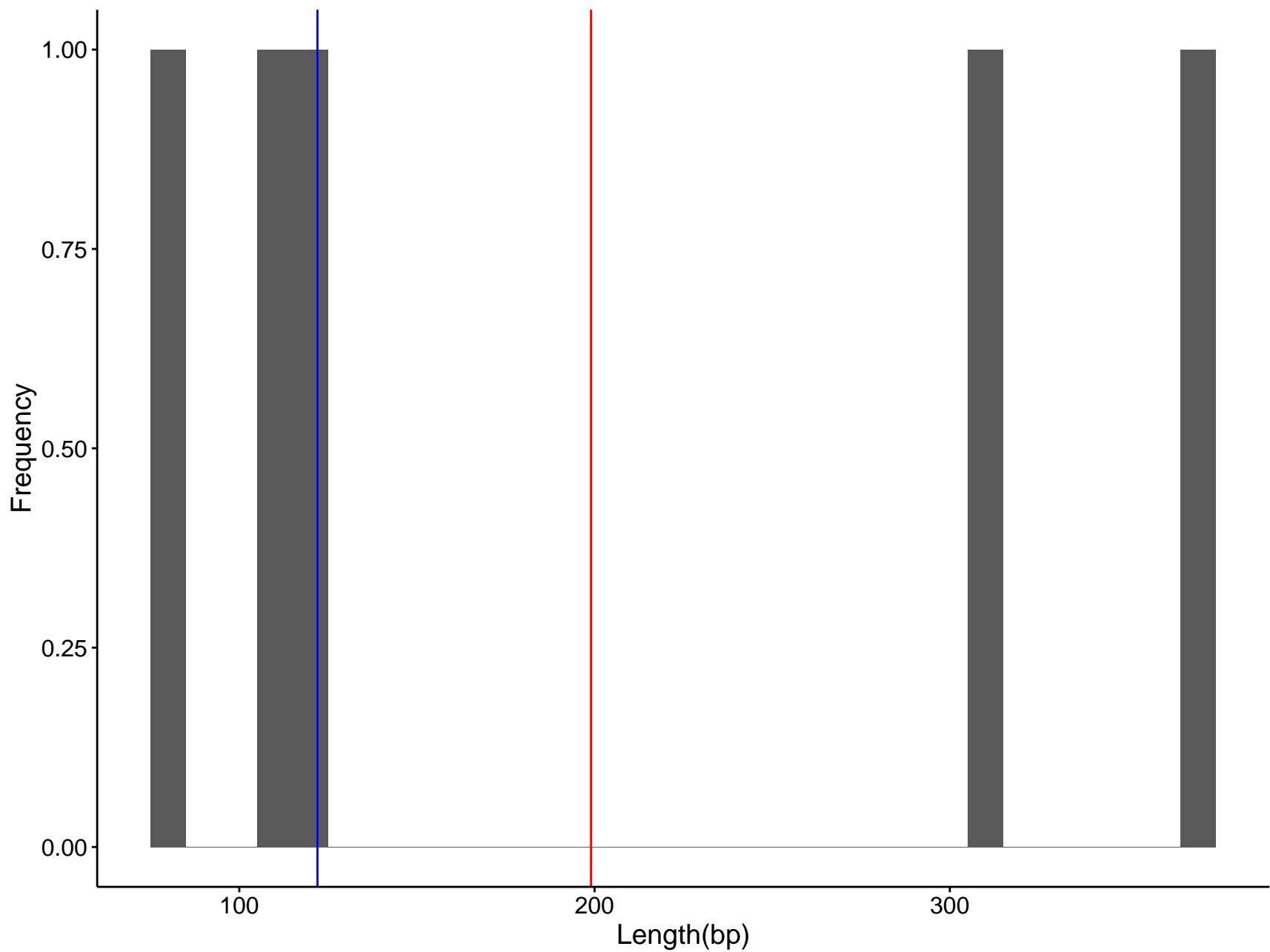
Cluster1780



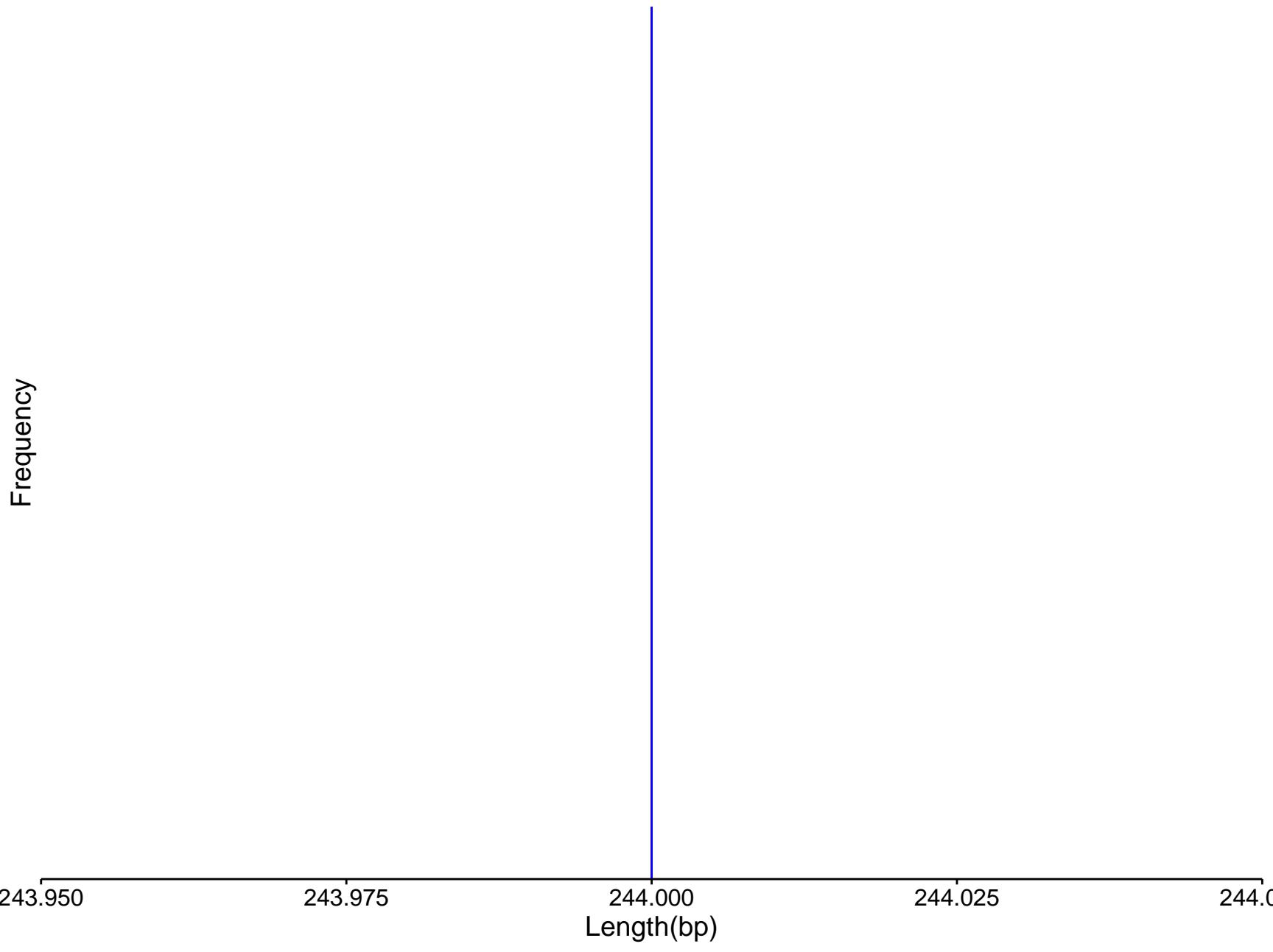
Cluster1785



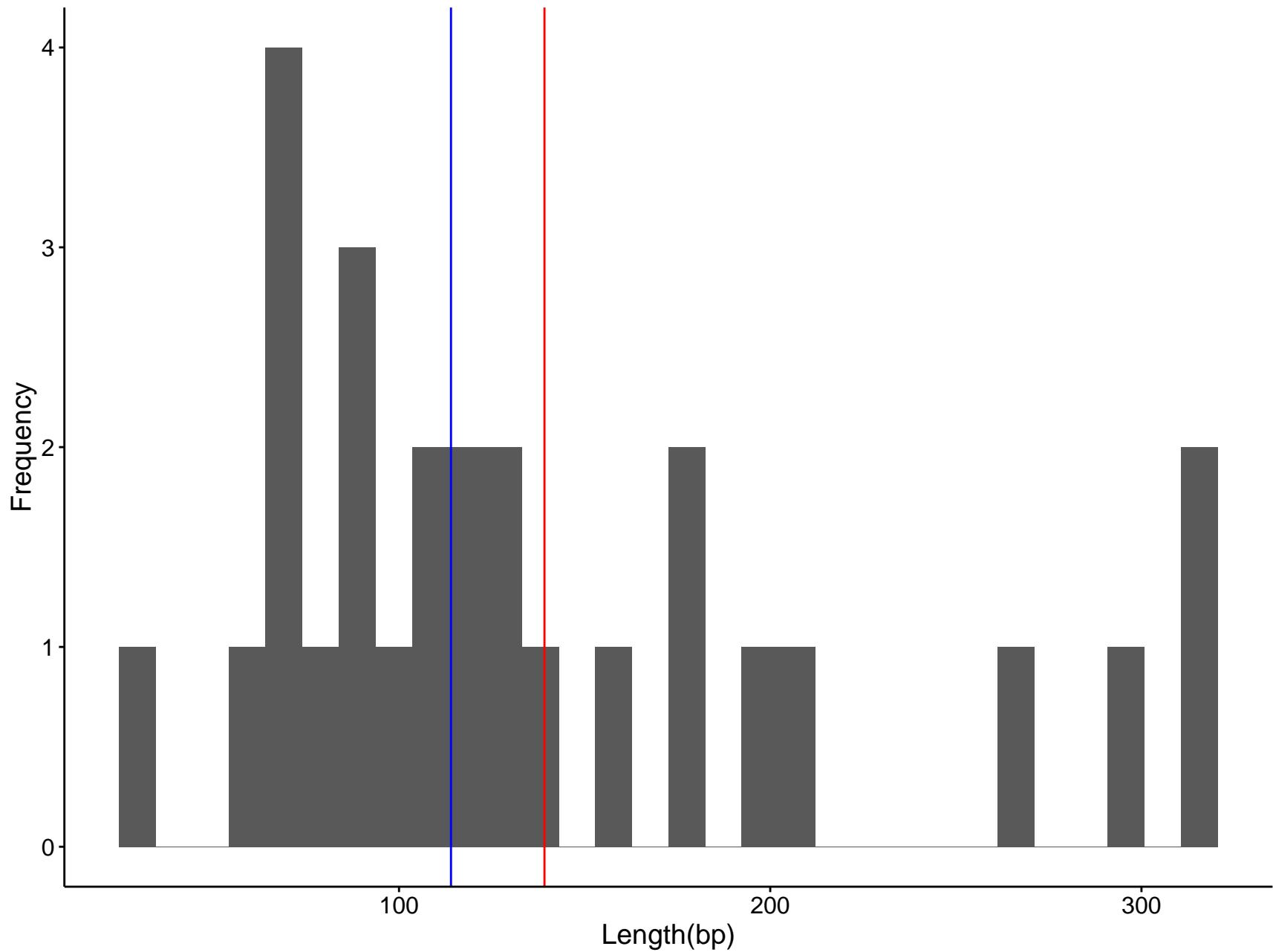
Cluster1789



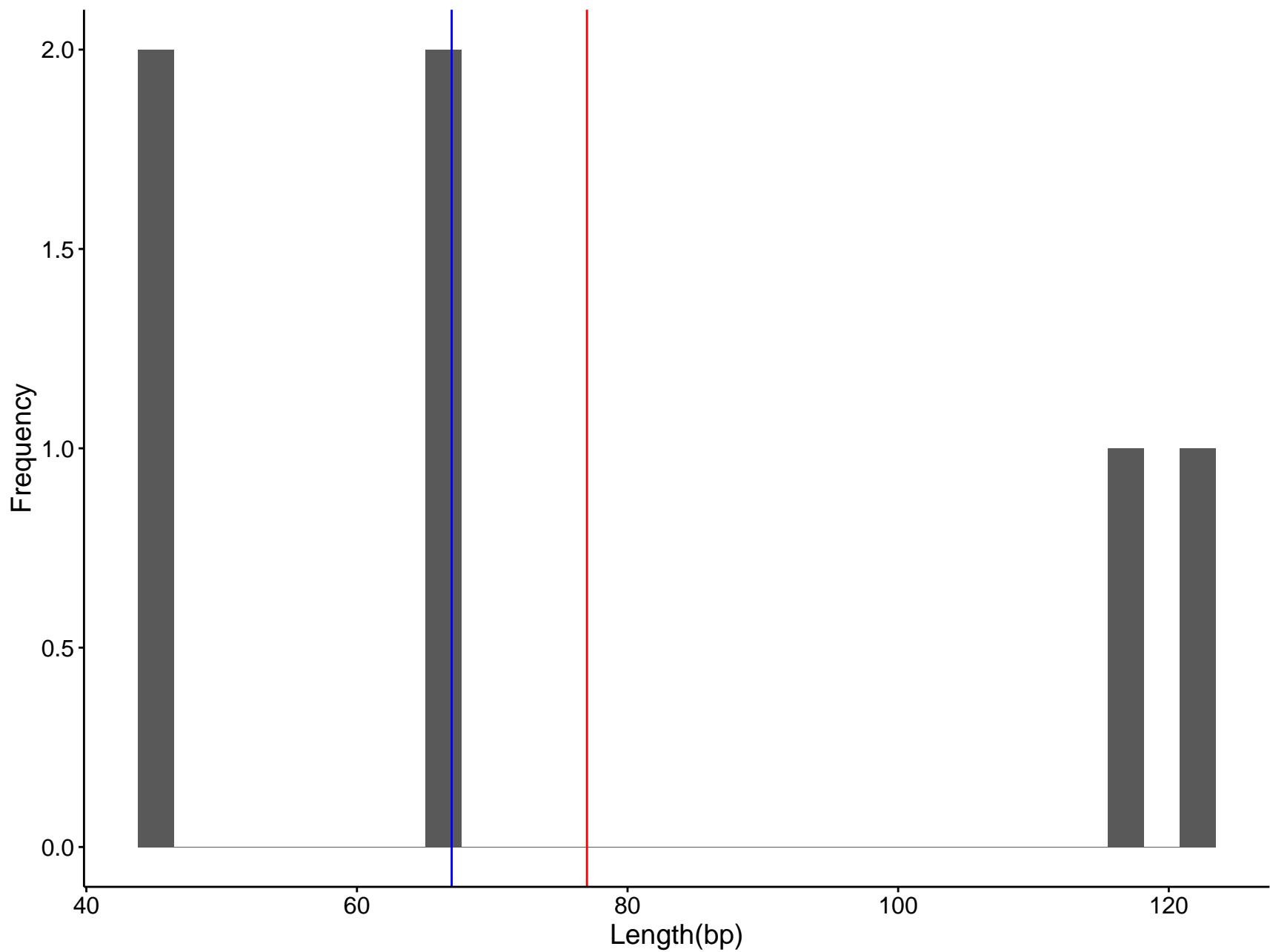
# Cluster178



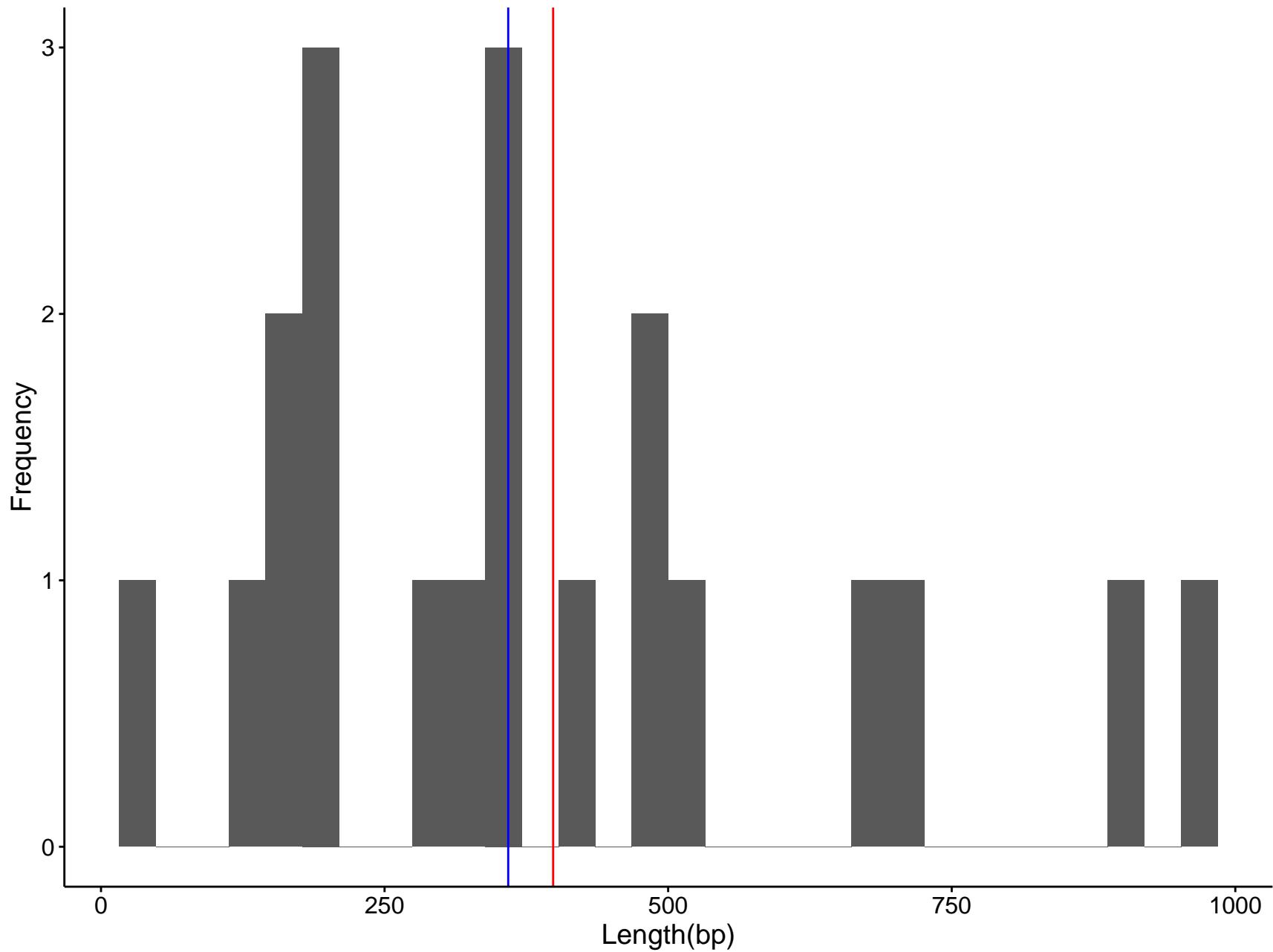
Cluster1792



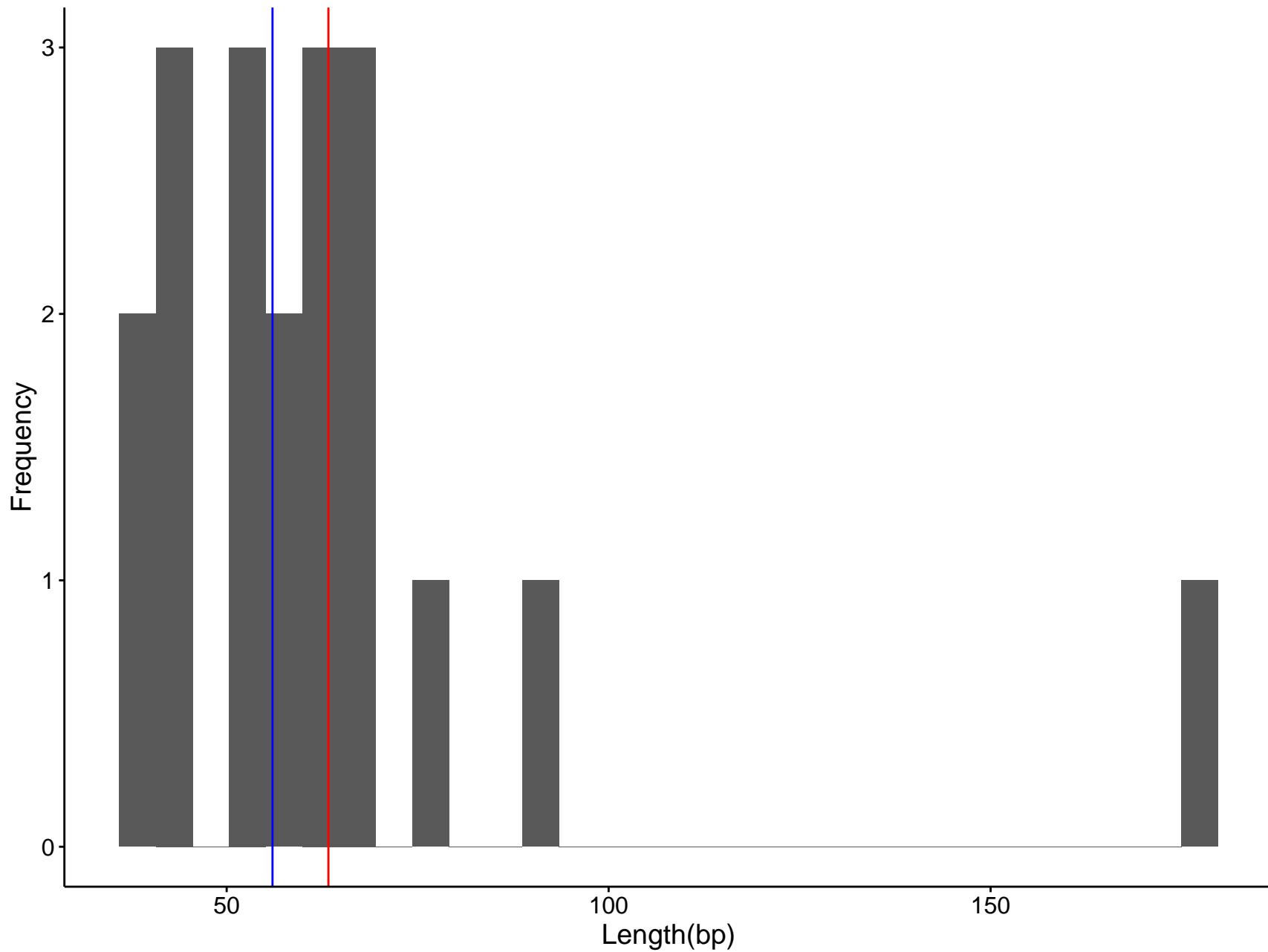
Cluster1793



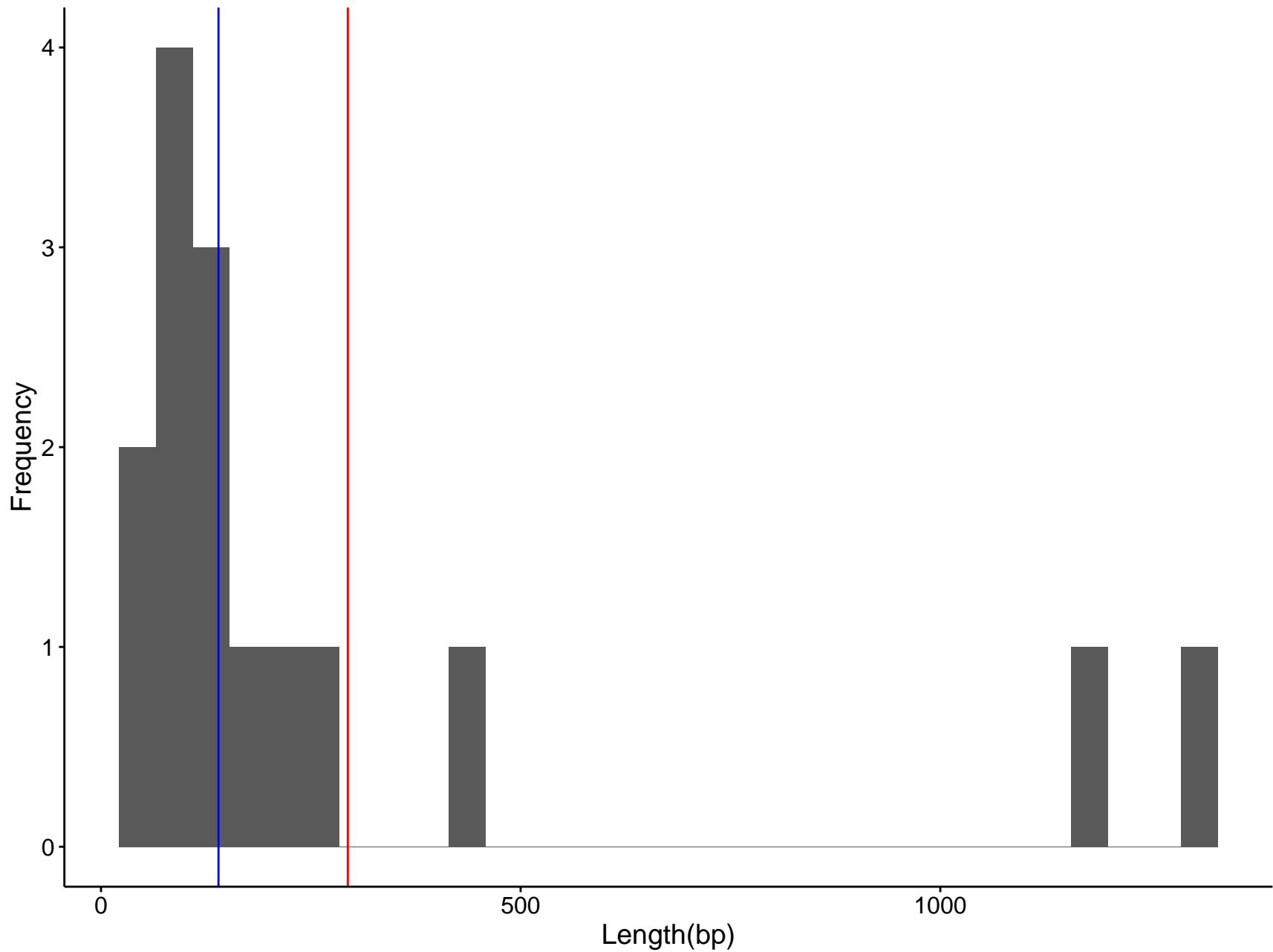
Cluster1794



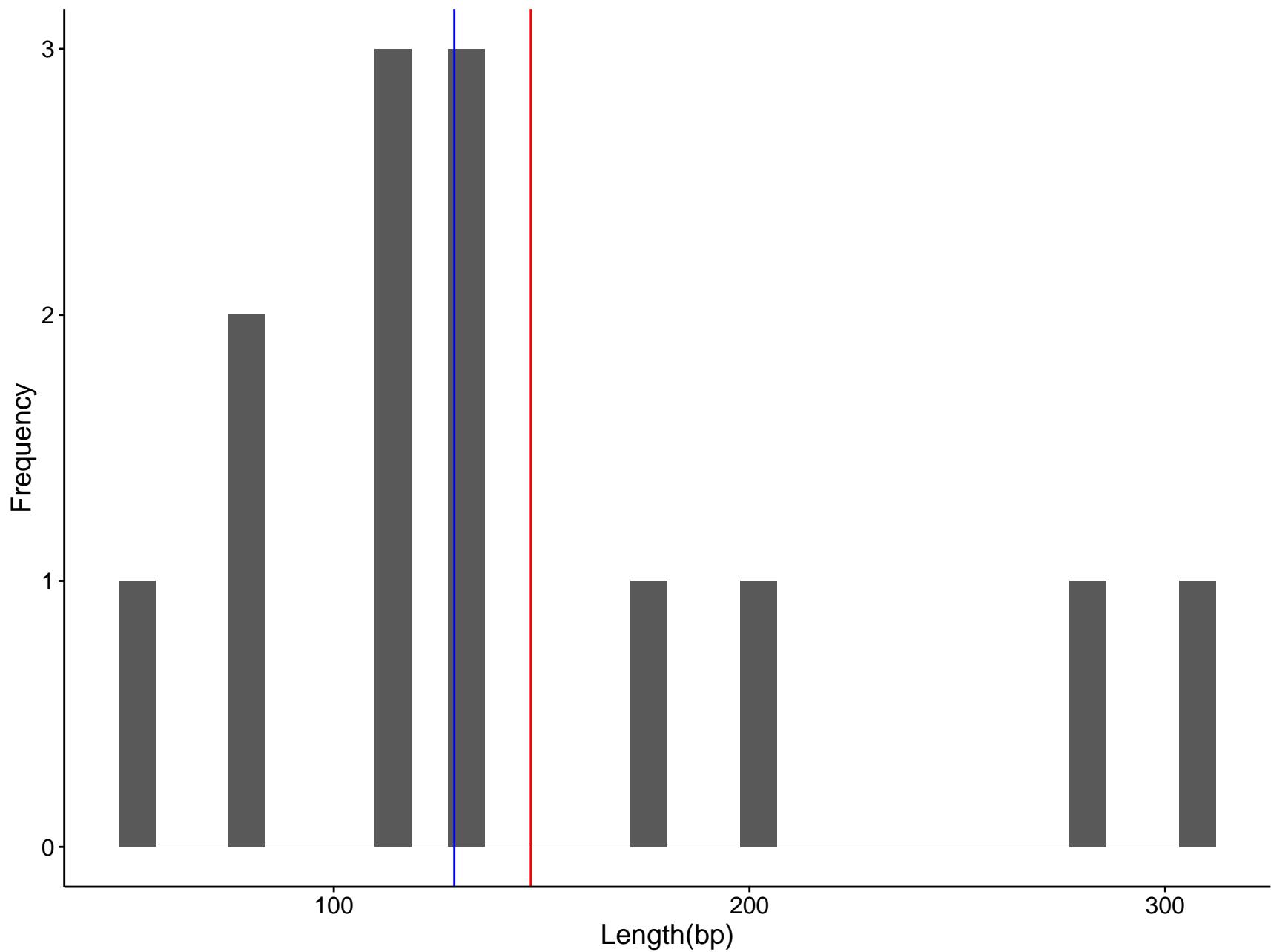
Cluster1796



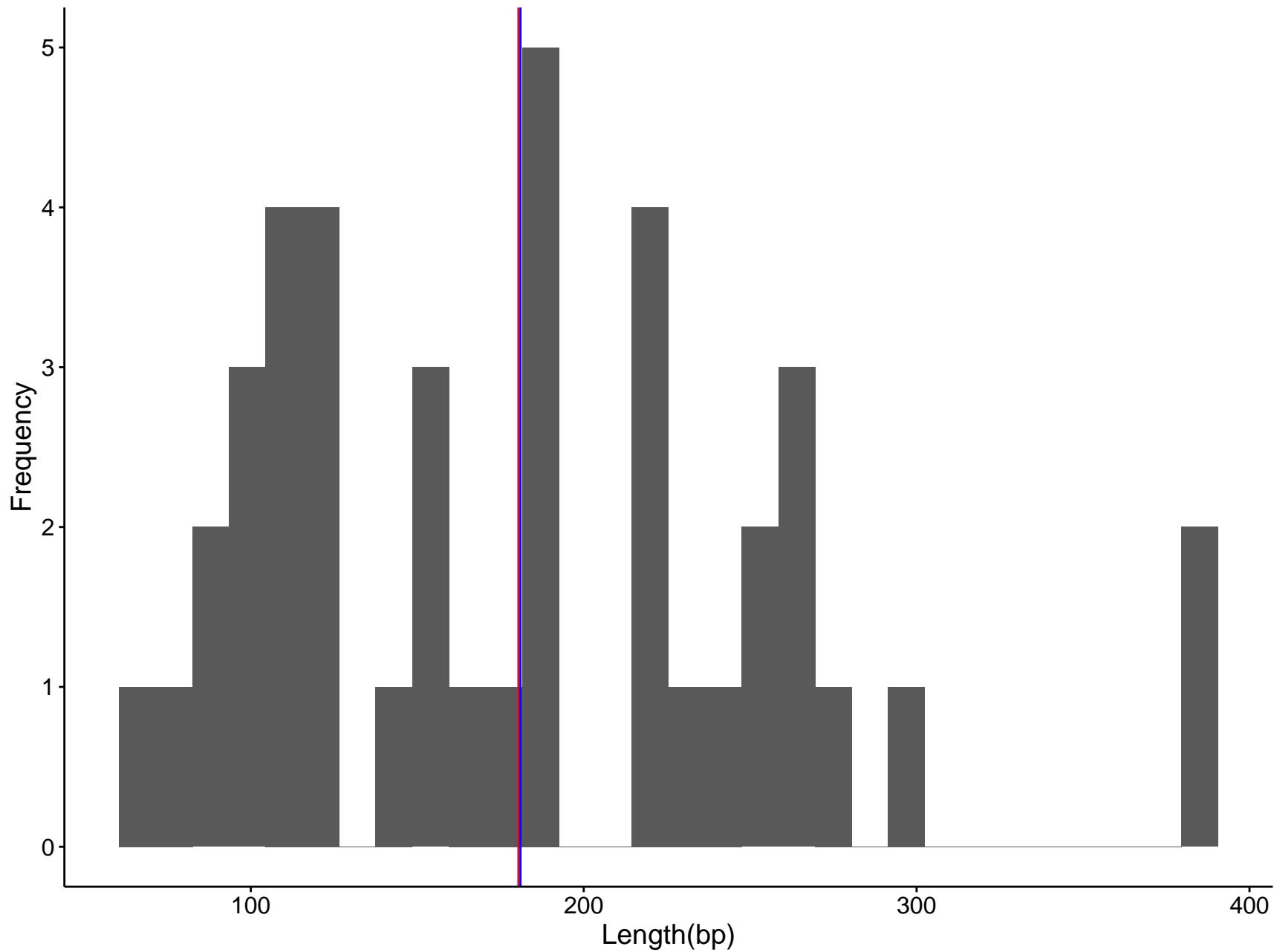
Cluster1797



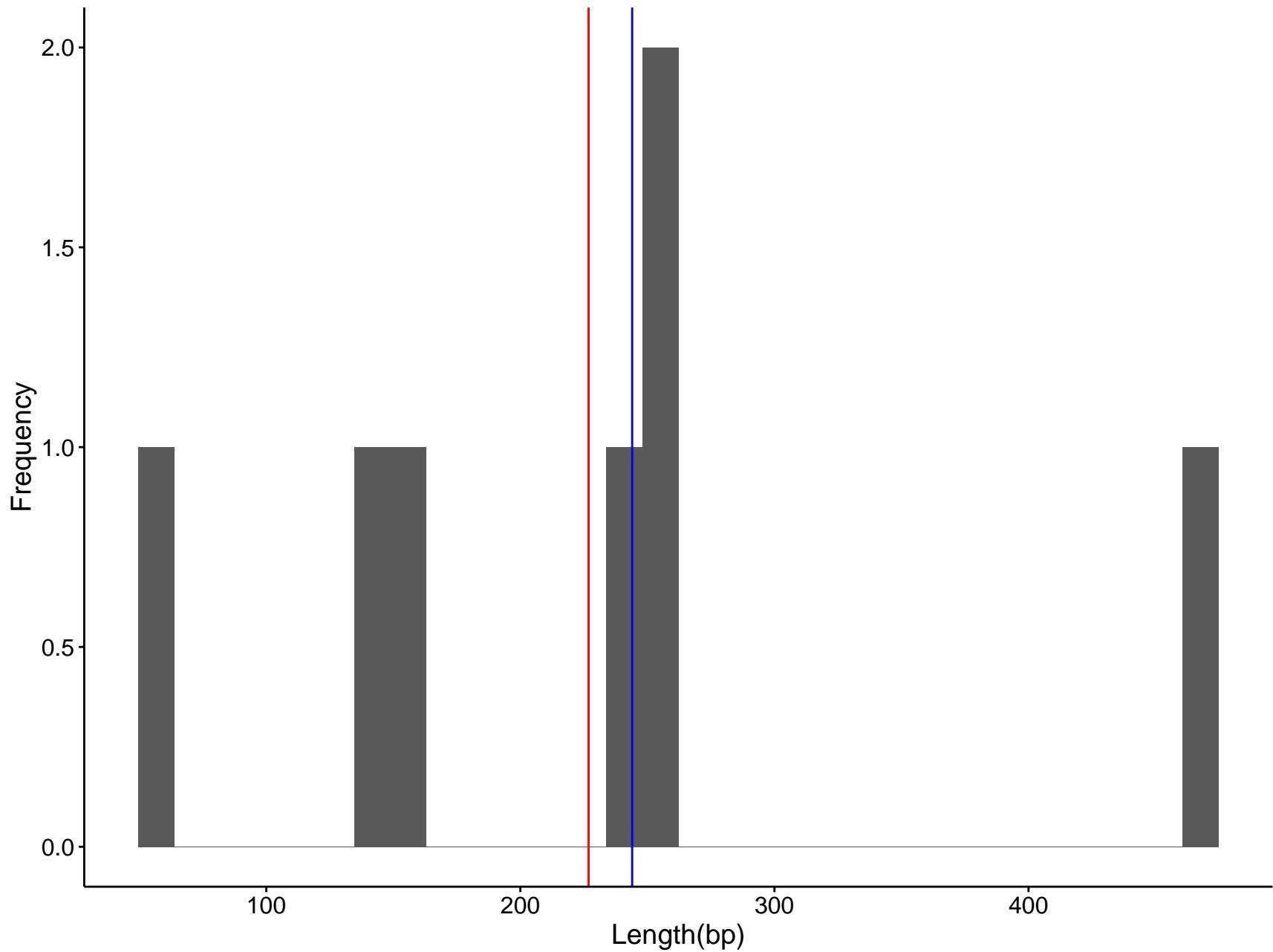
Cluster1798



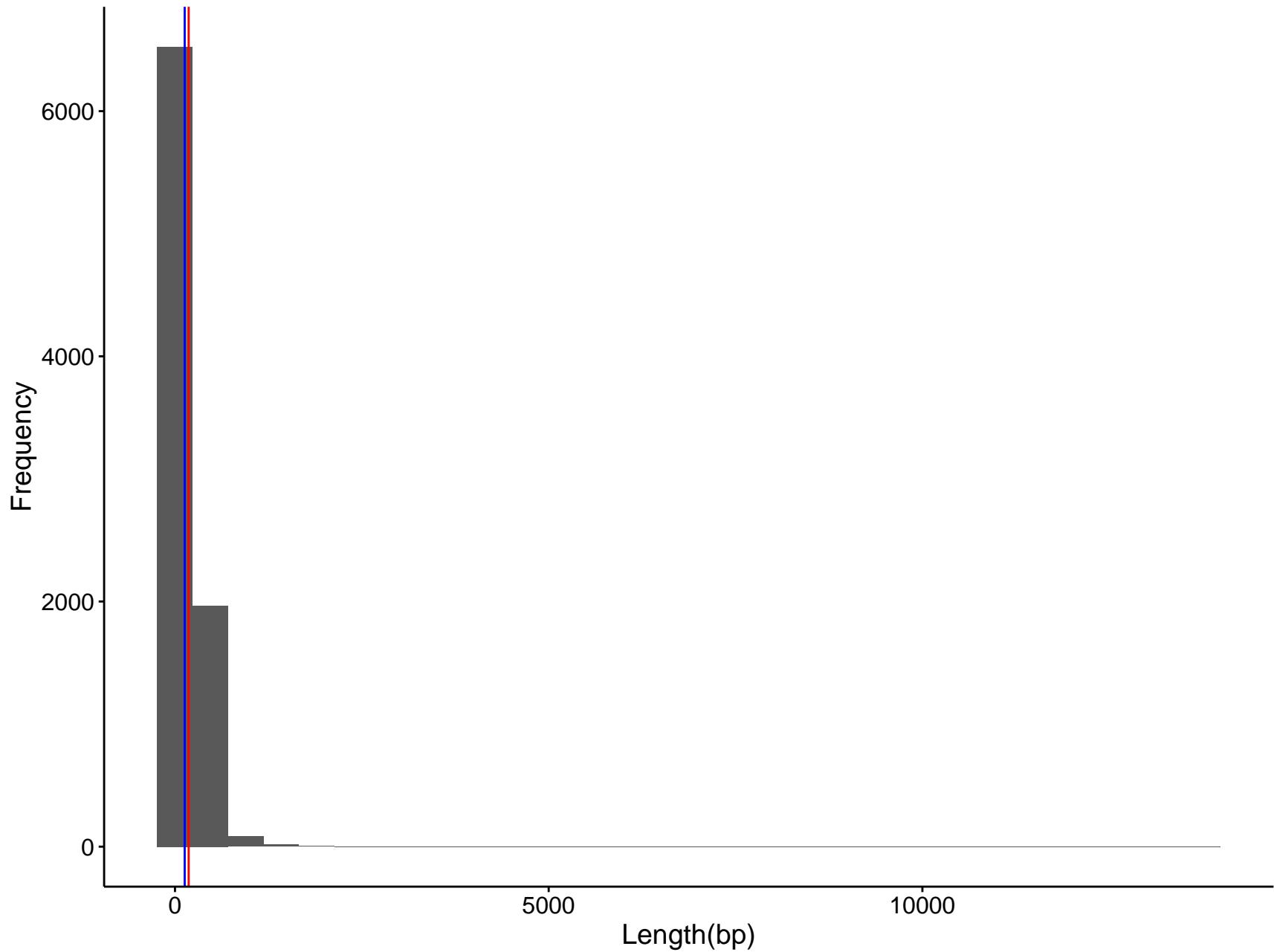
Cluster1799



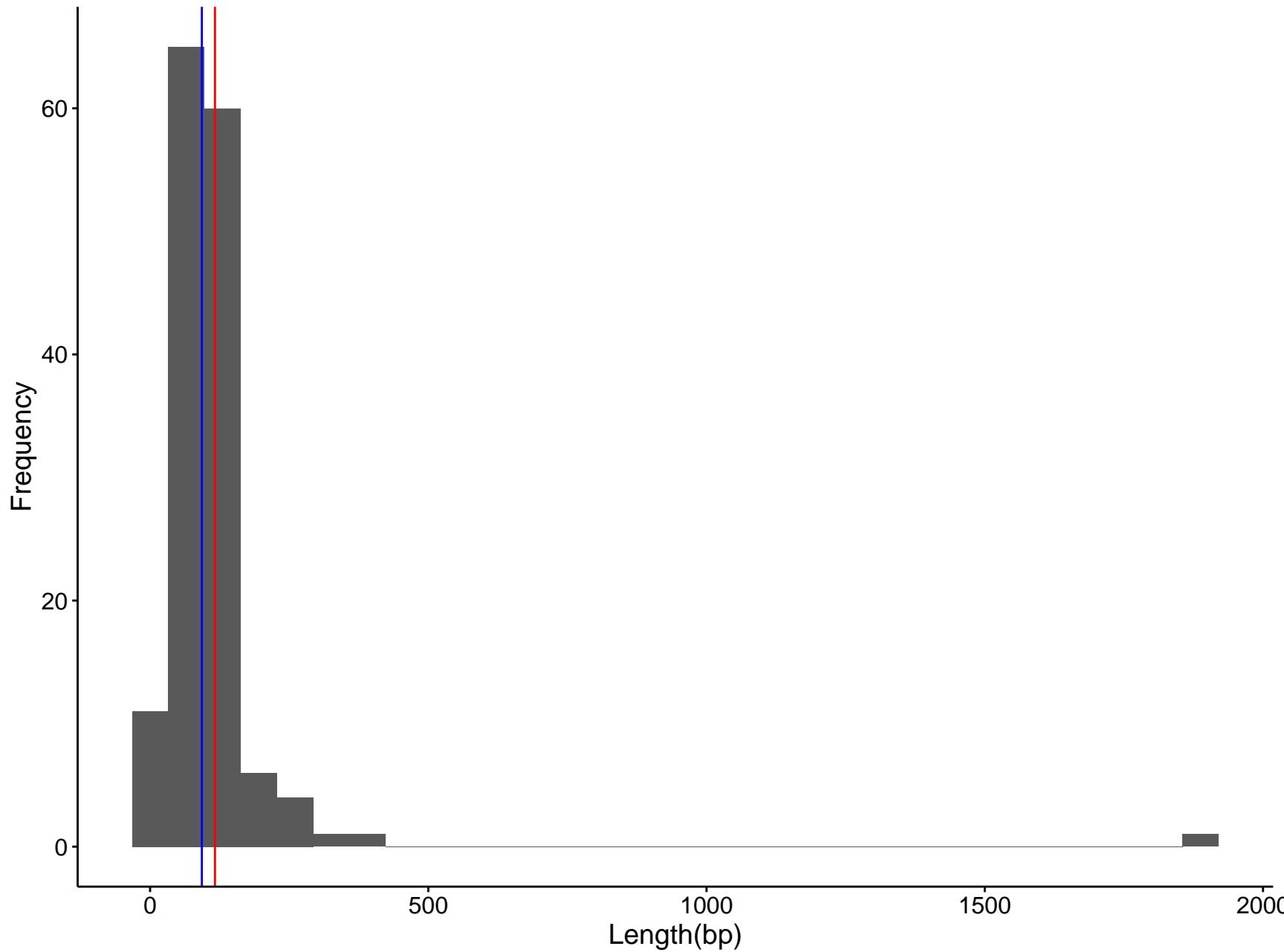
Cluster179



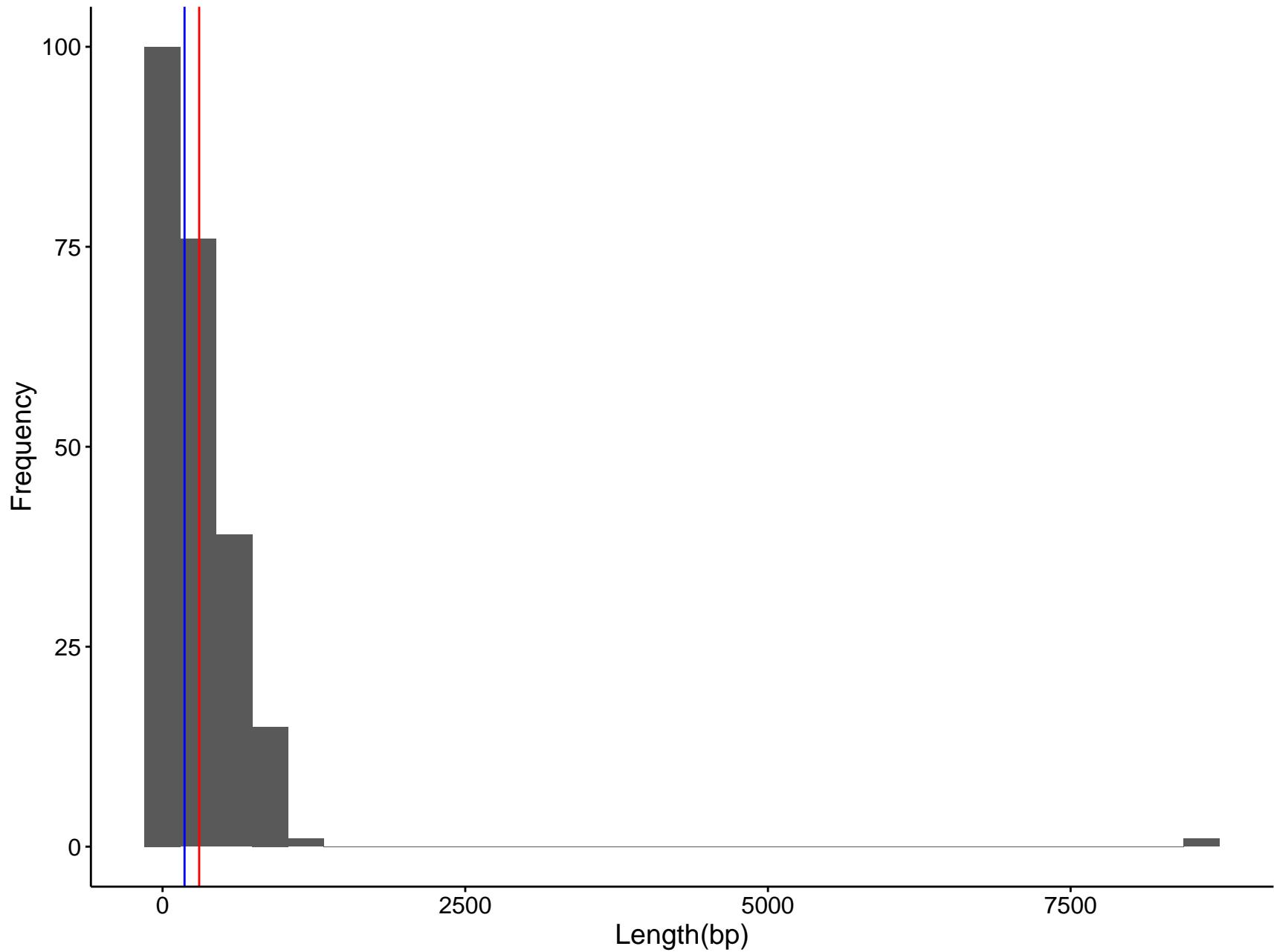
Cluster1800



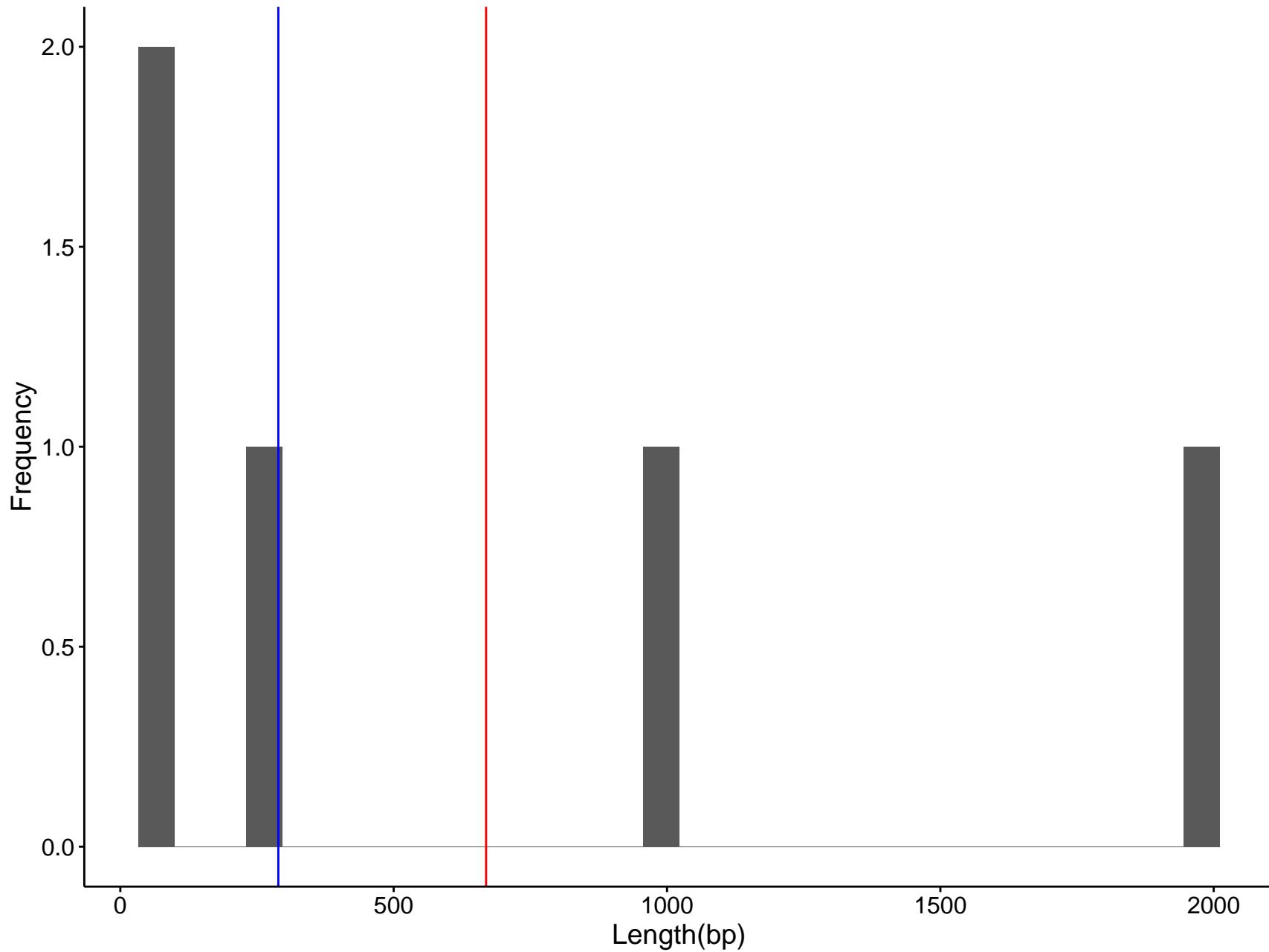
Cluster1802



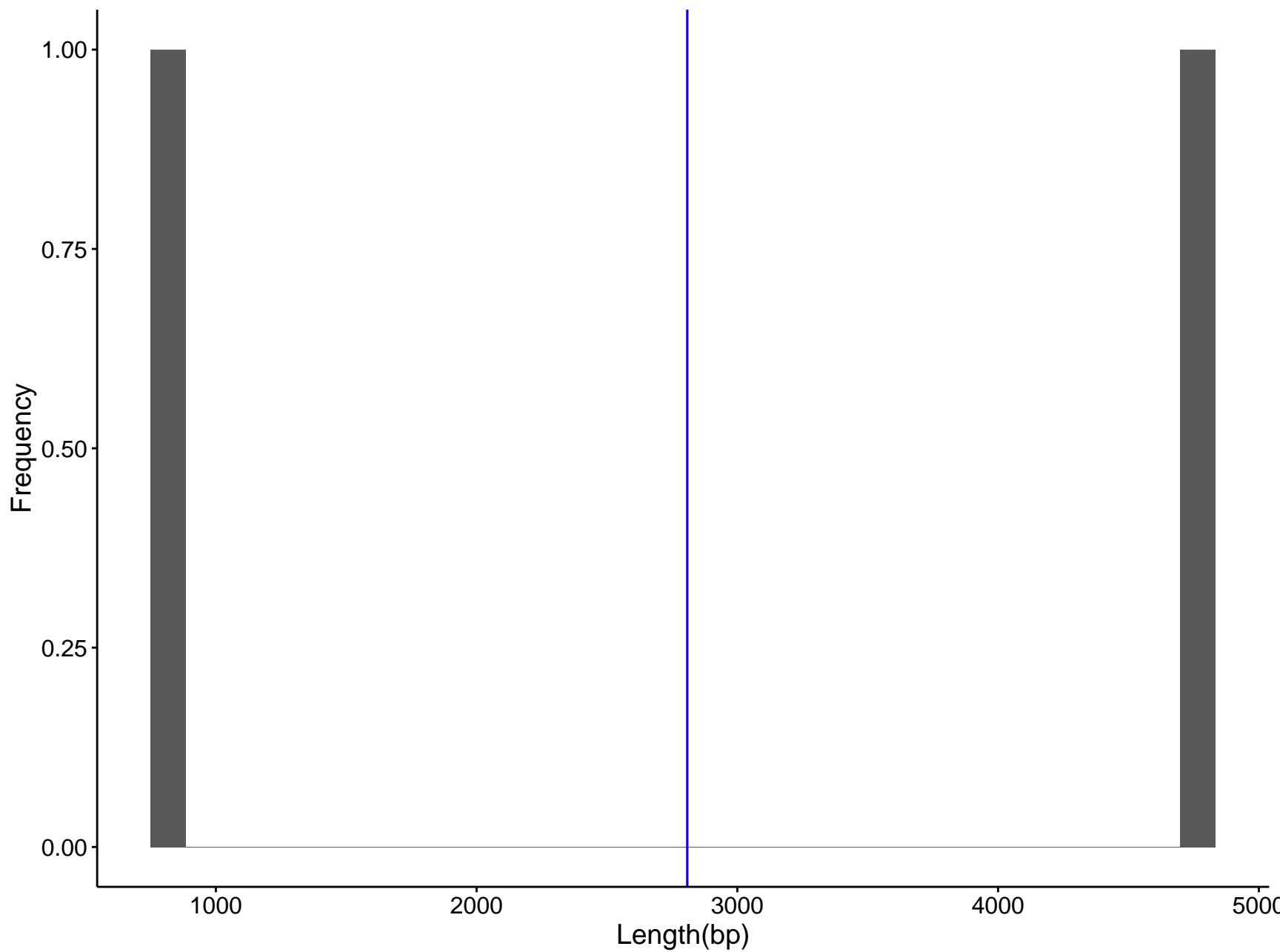
Cluster1803



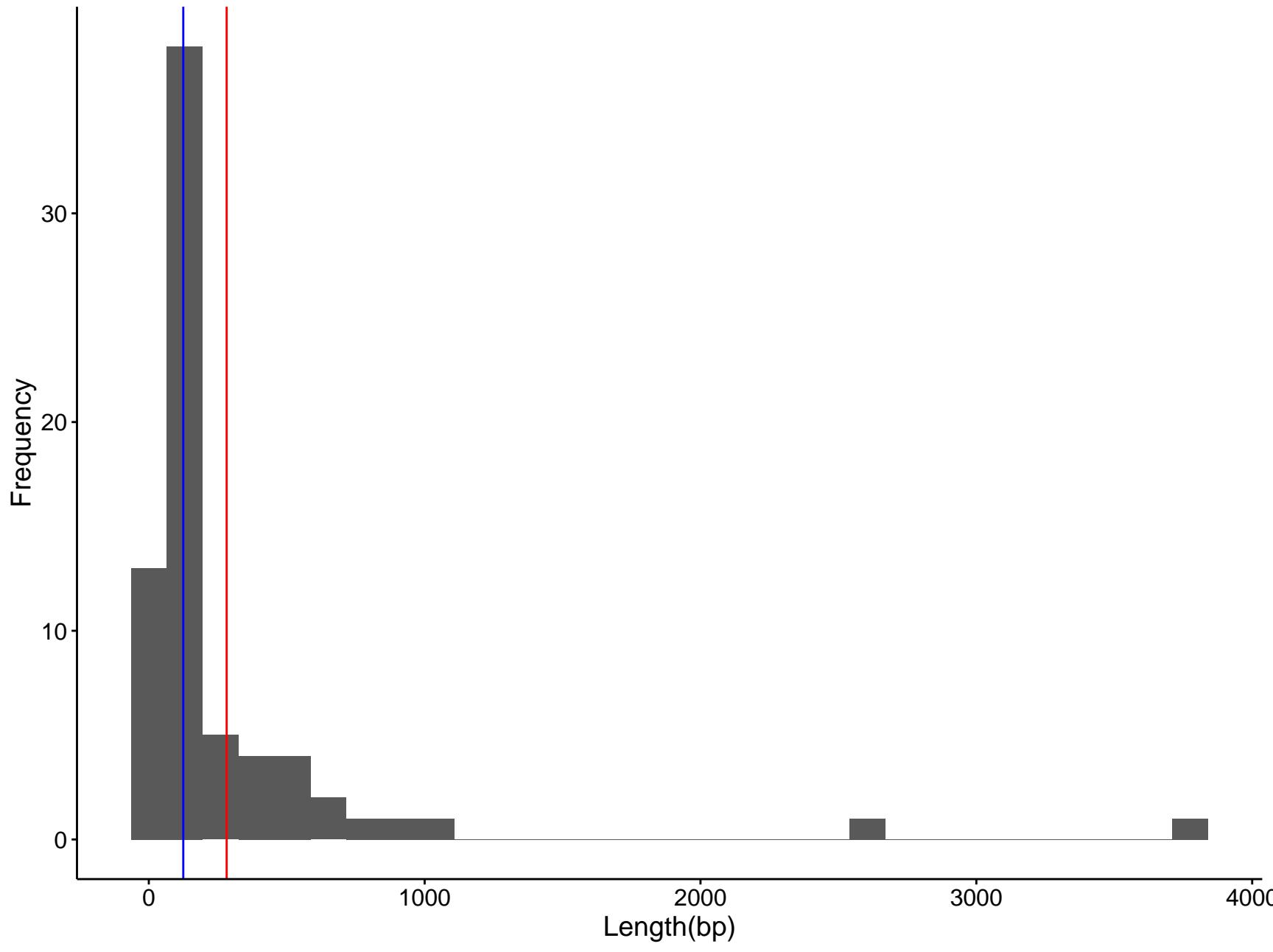
Cluster1804



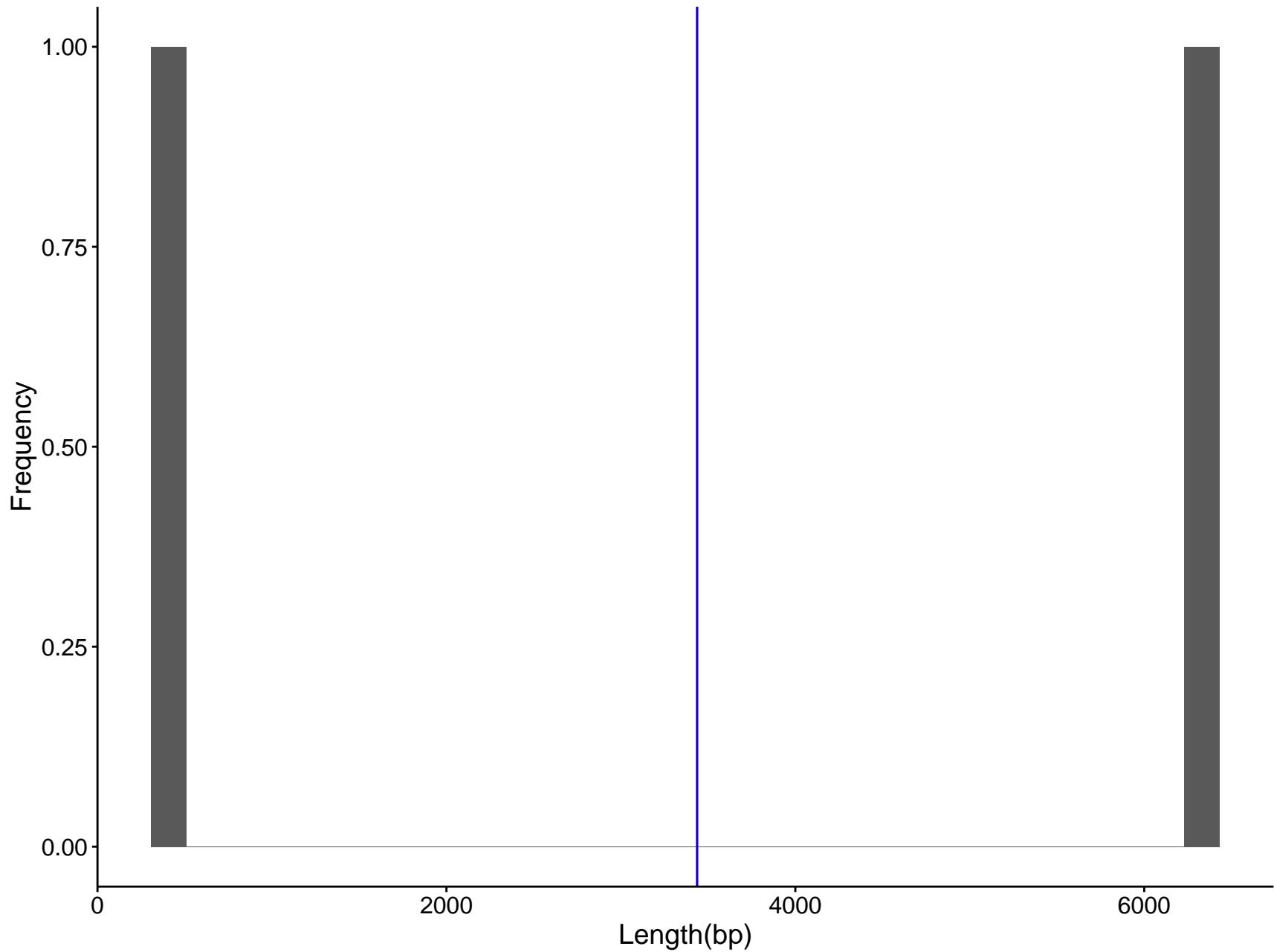
Cluster1806



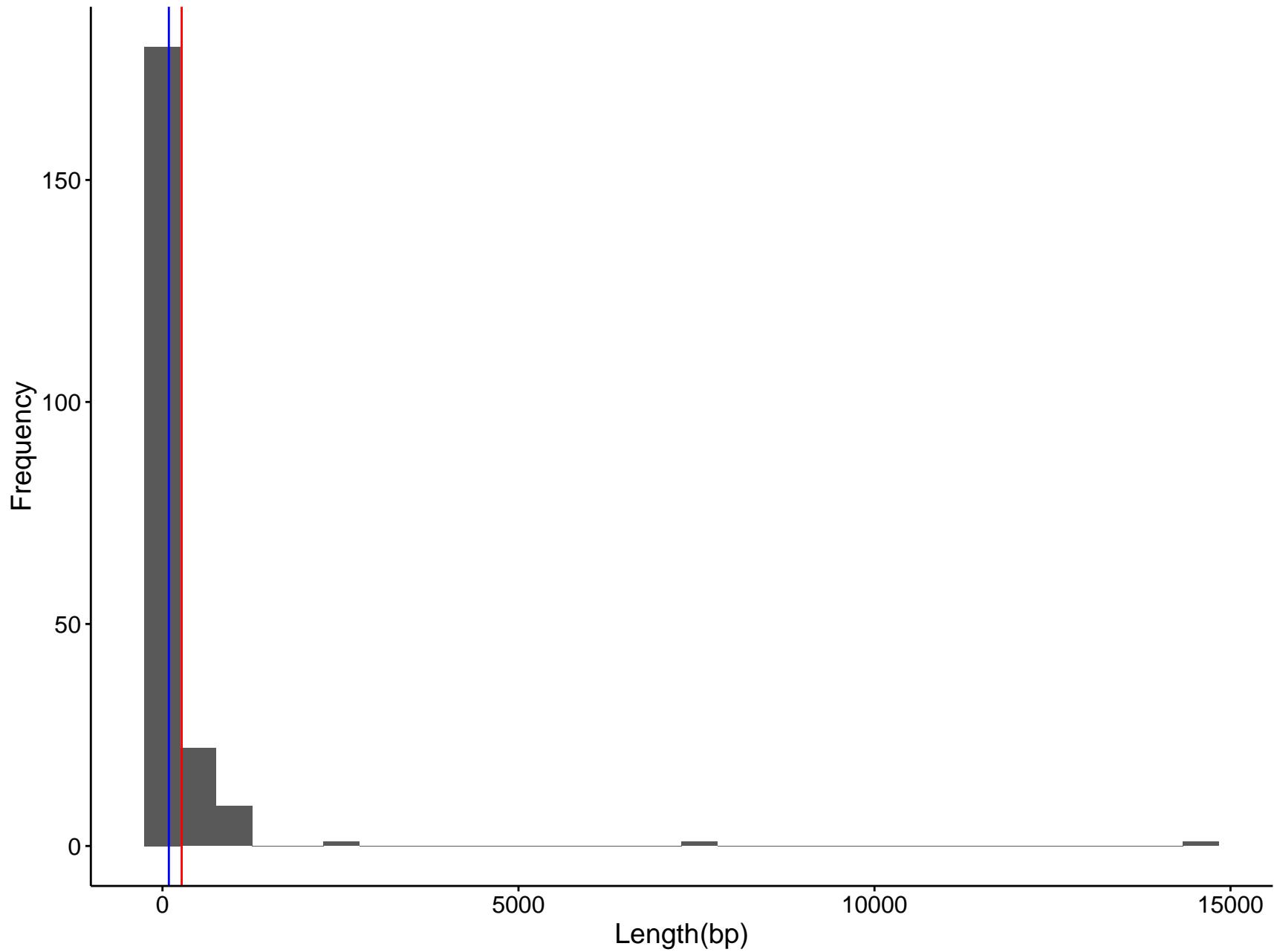
Cluster1807



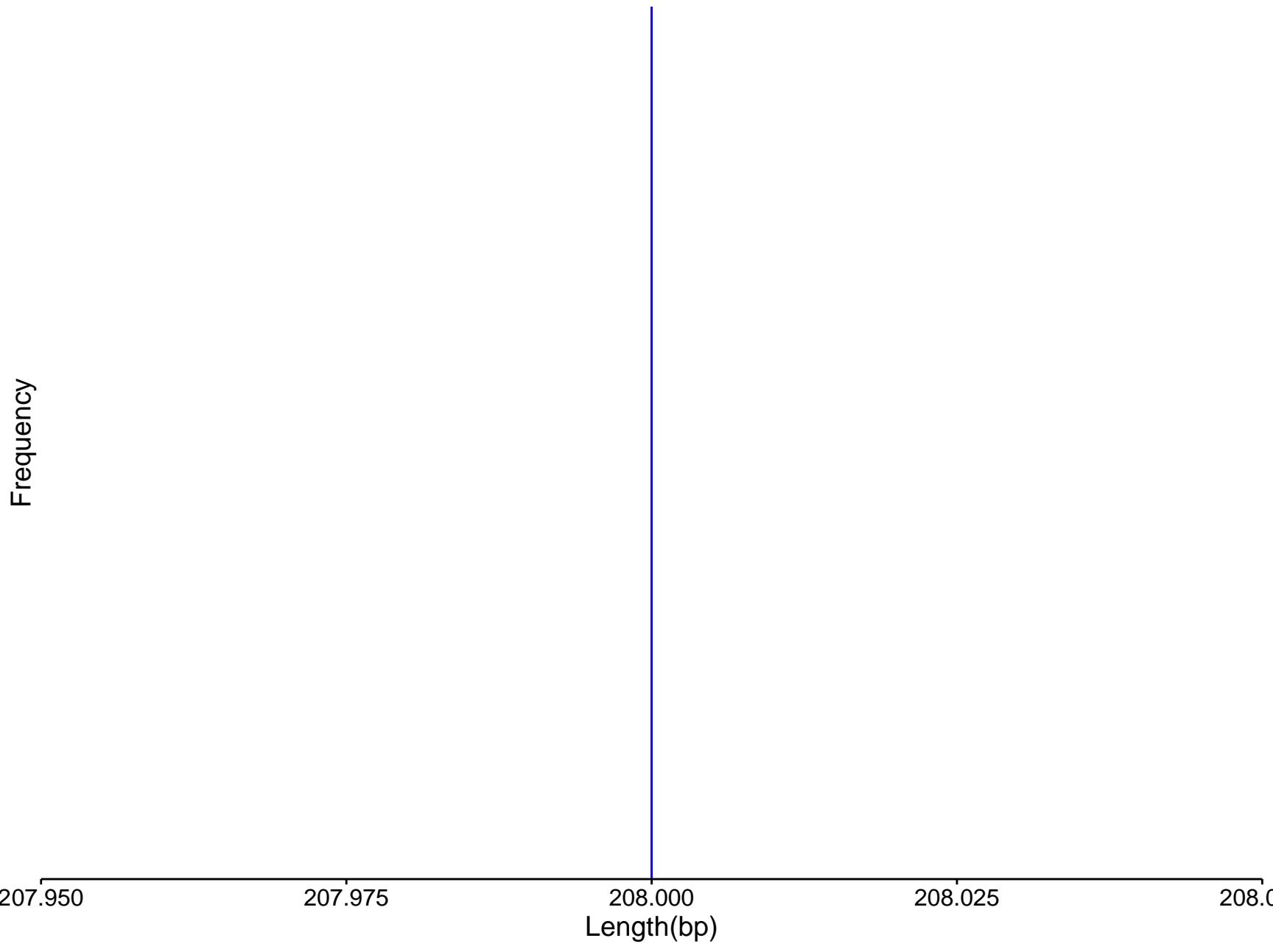
Cluster1808

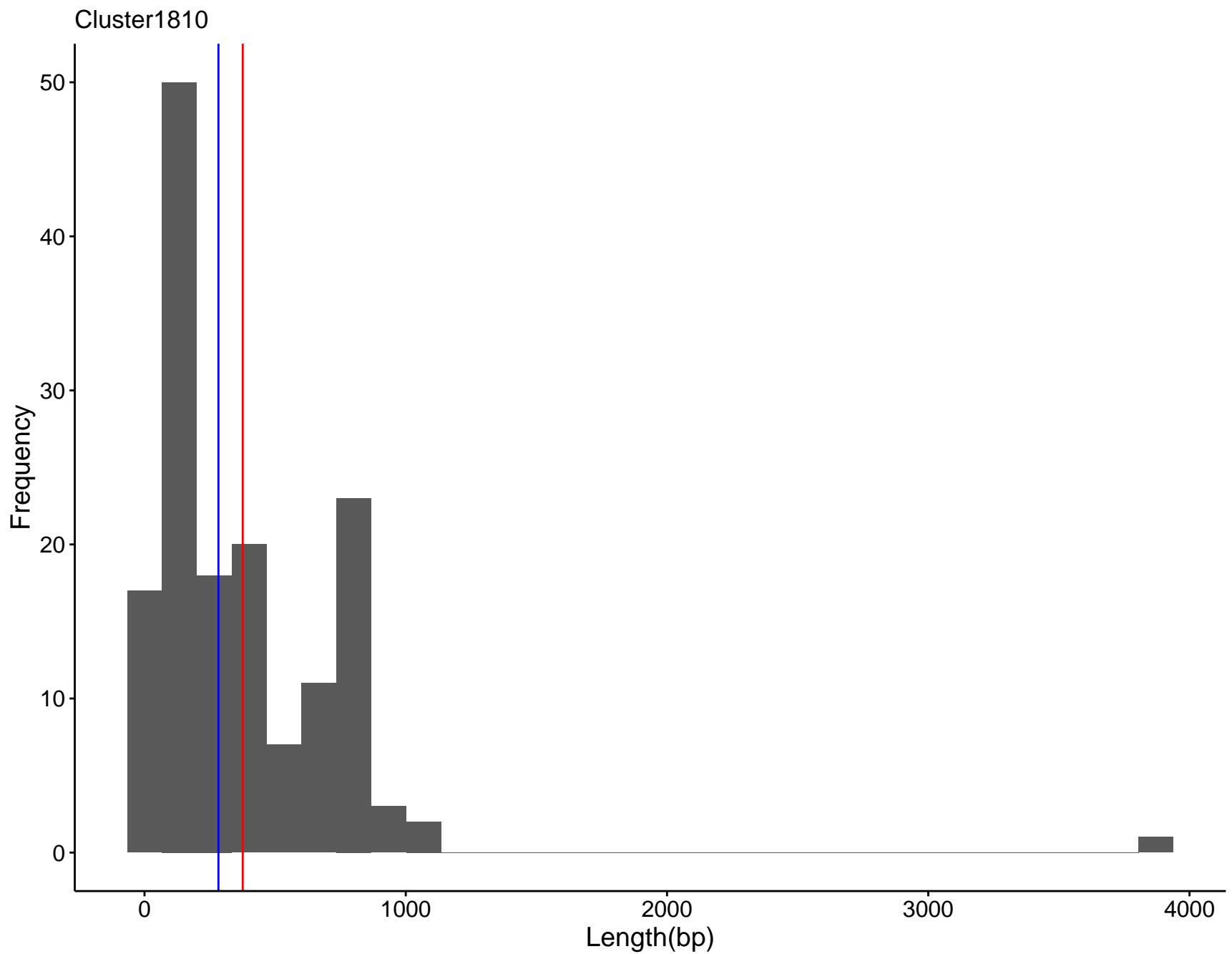


Cluster1809

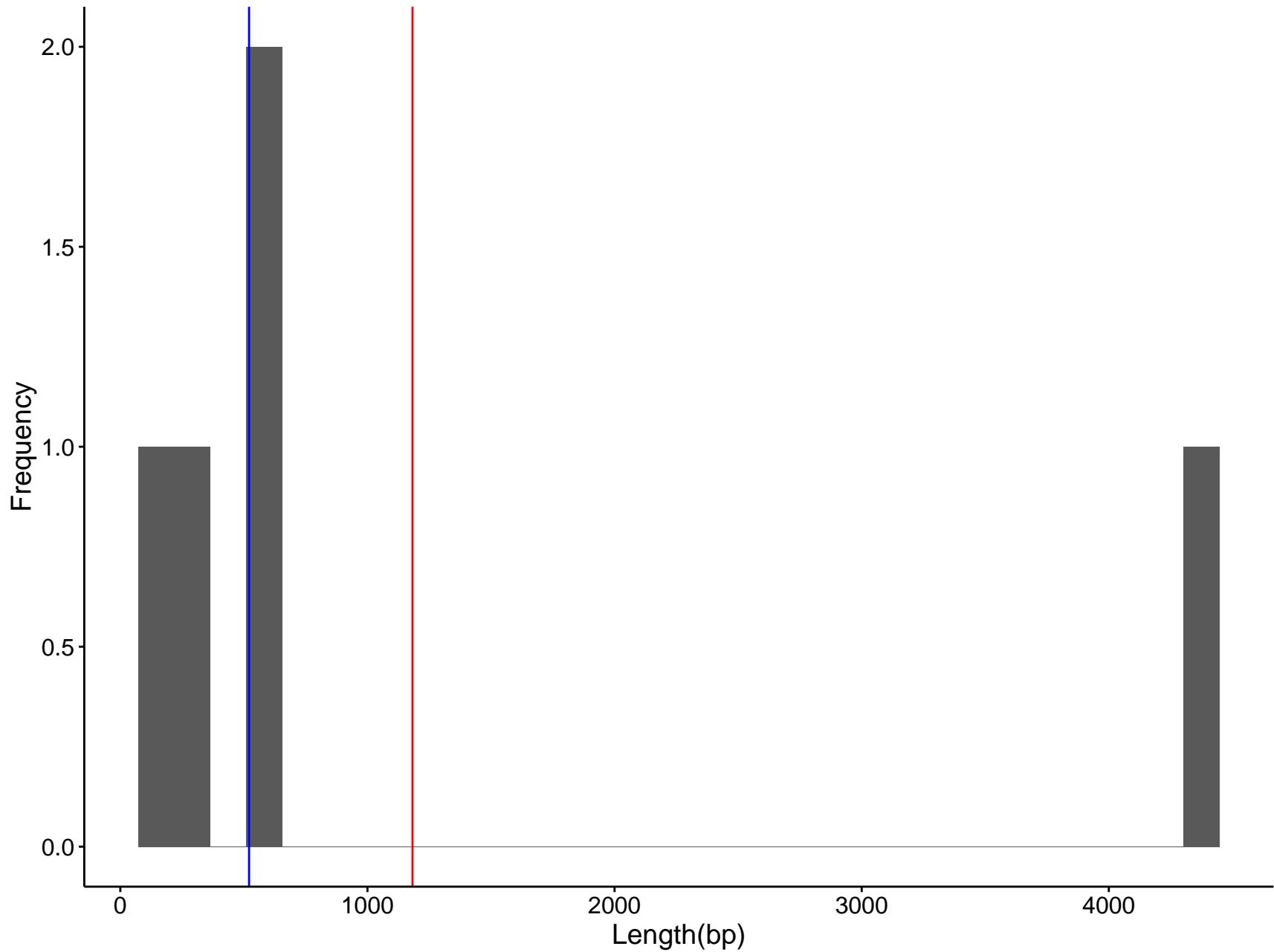


# Cluster180

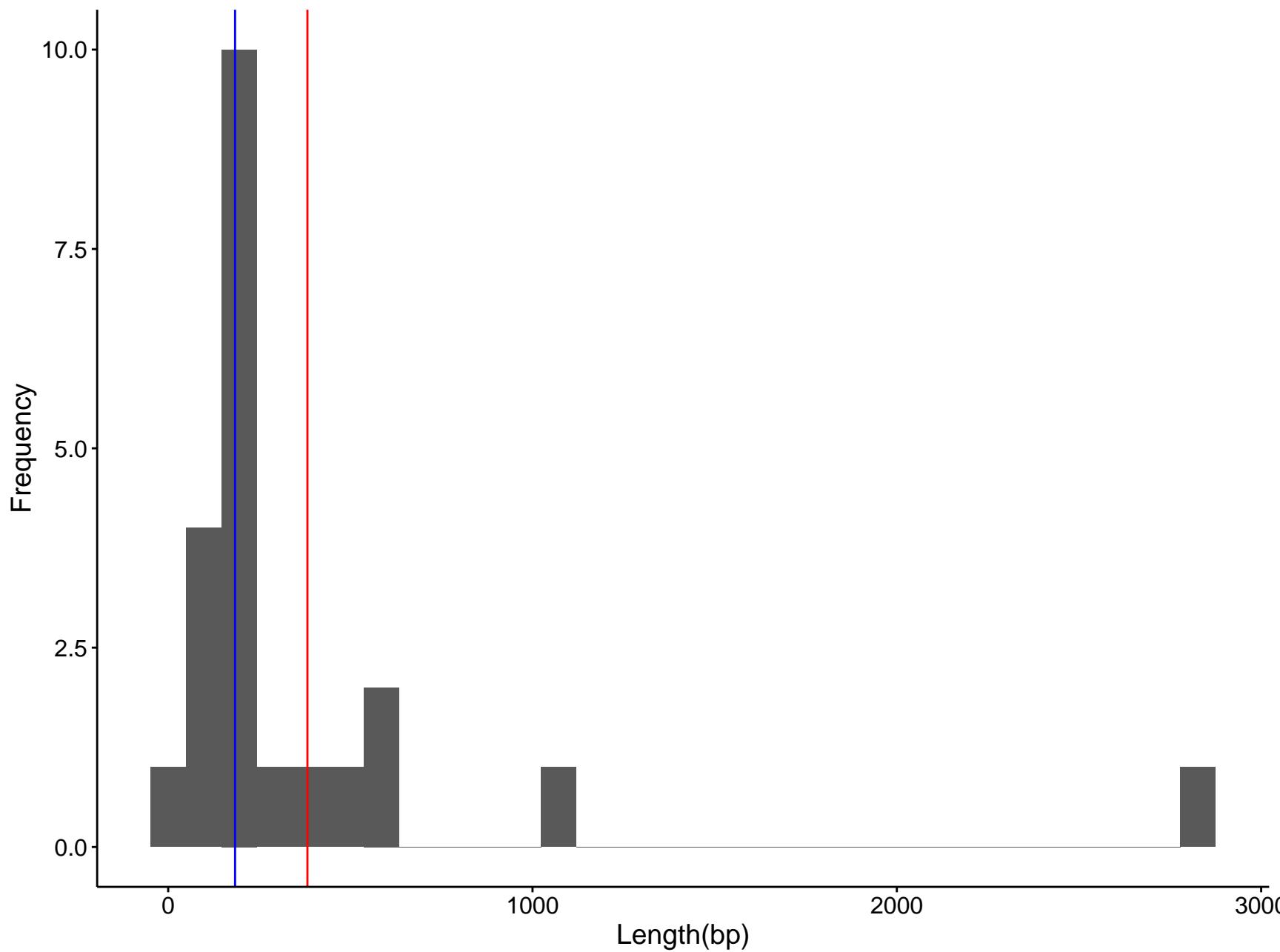




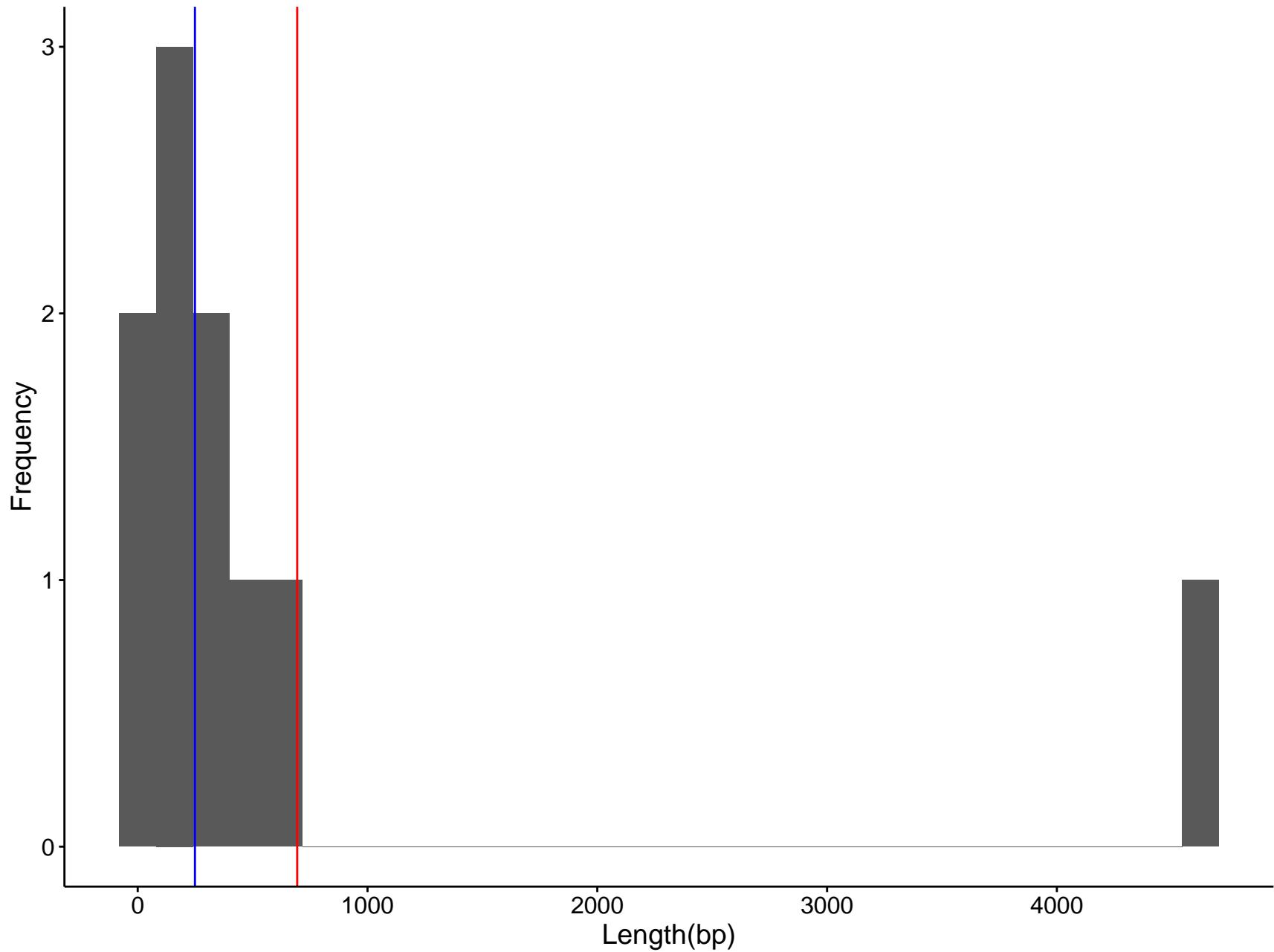
Cluster1811



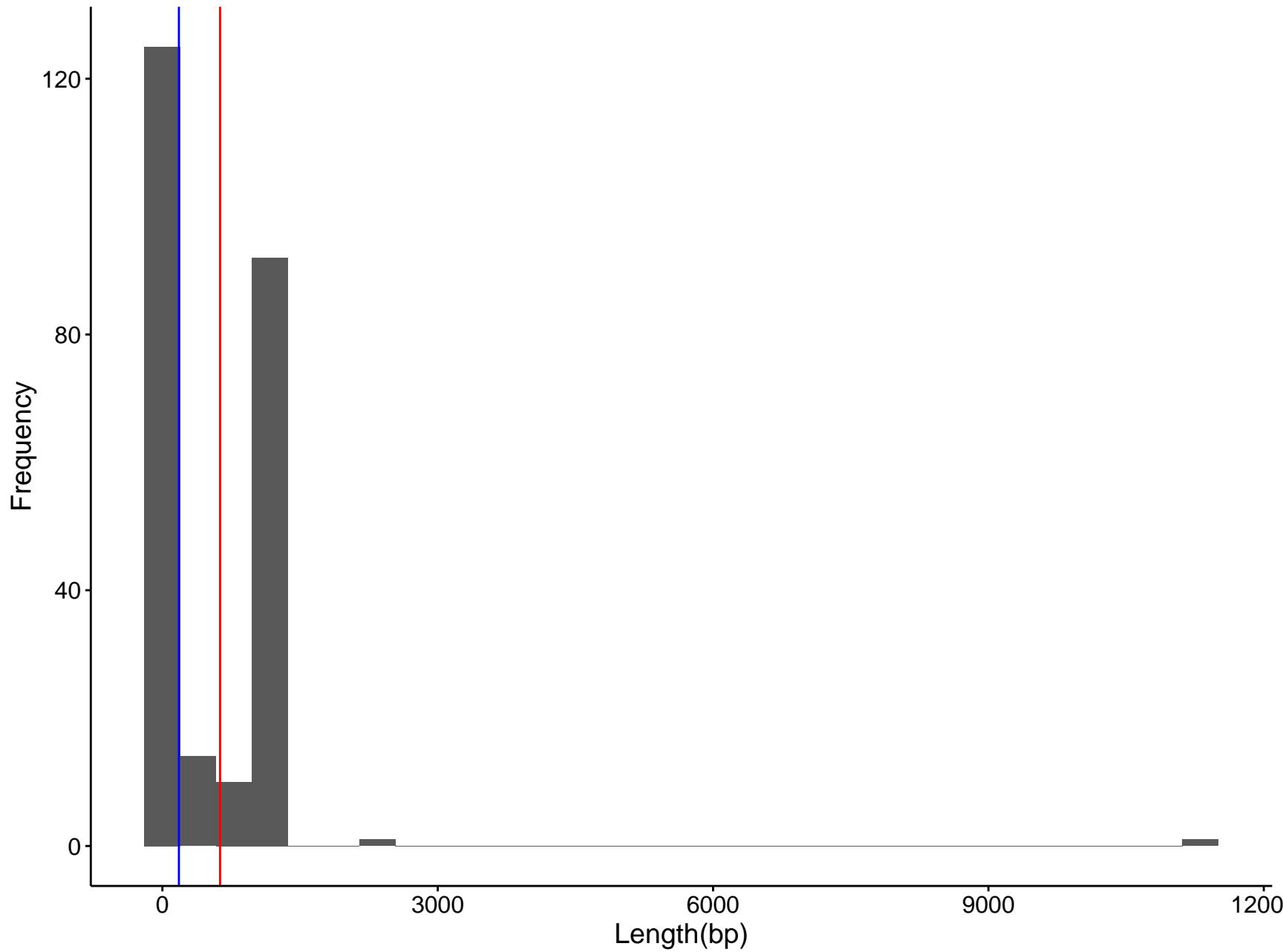
Cluster1812



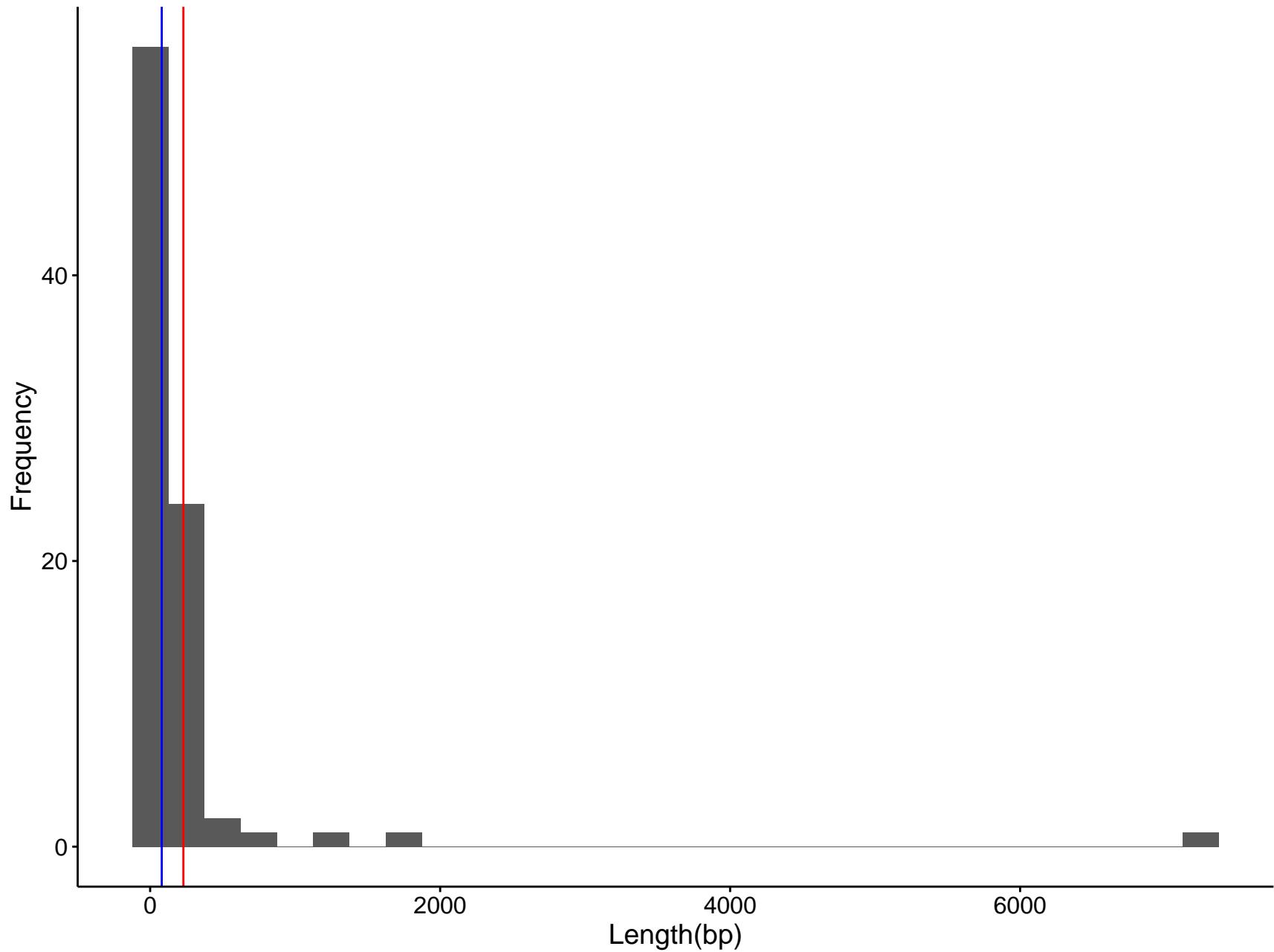
Cluster1813



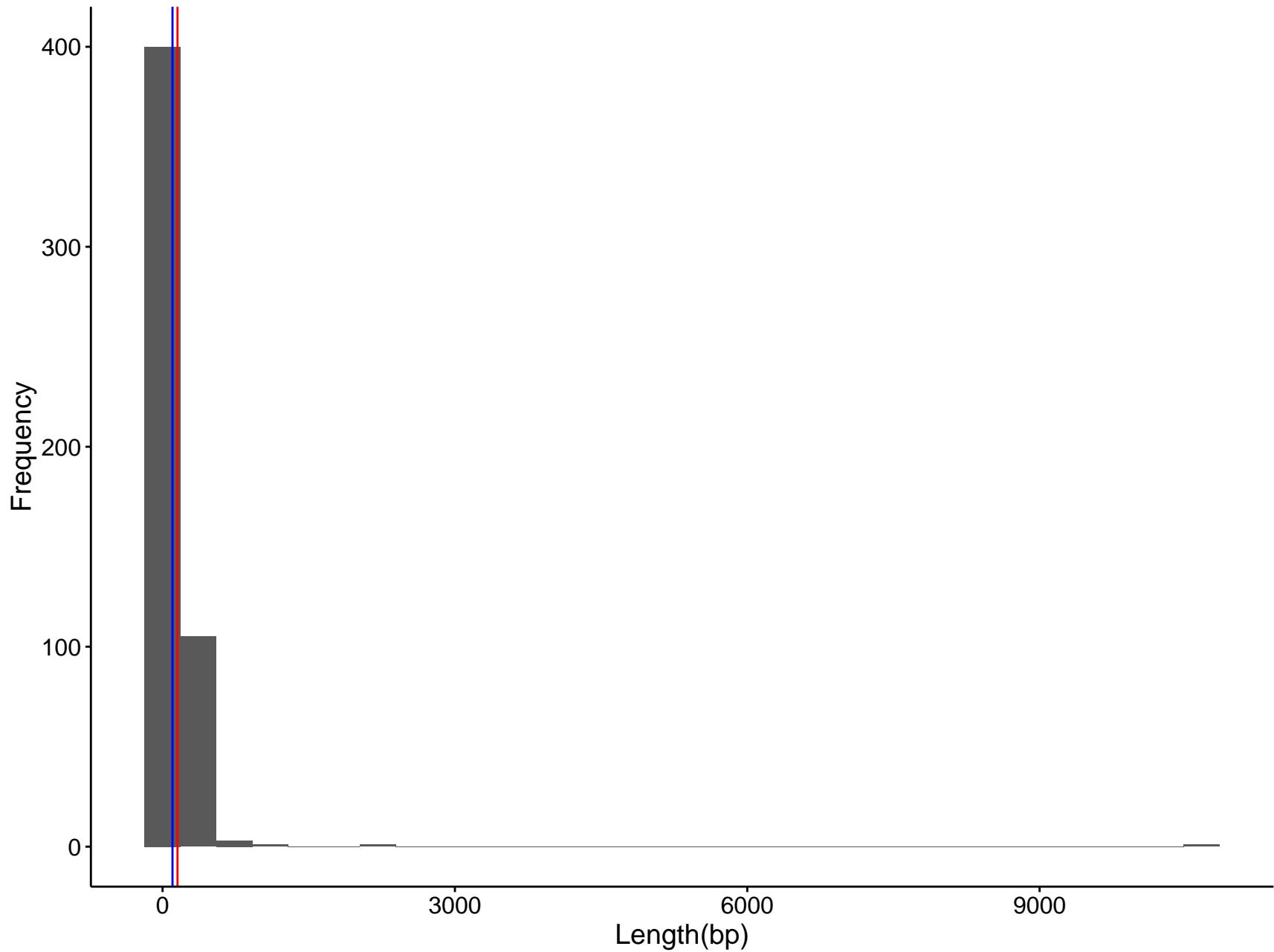
Cluster1814



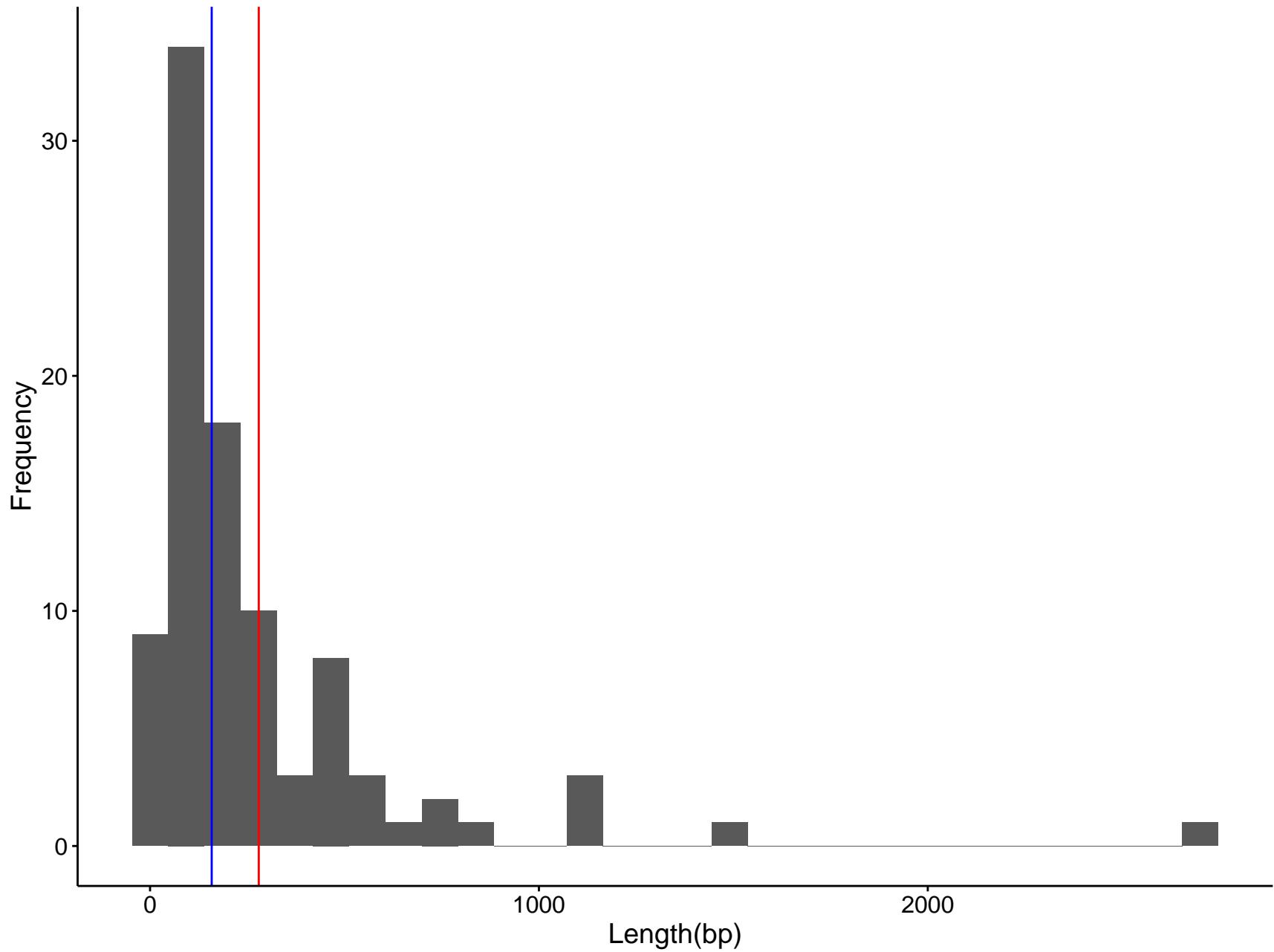
Cluster1815



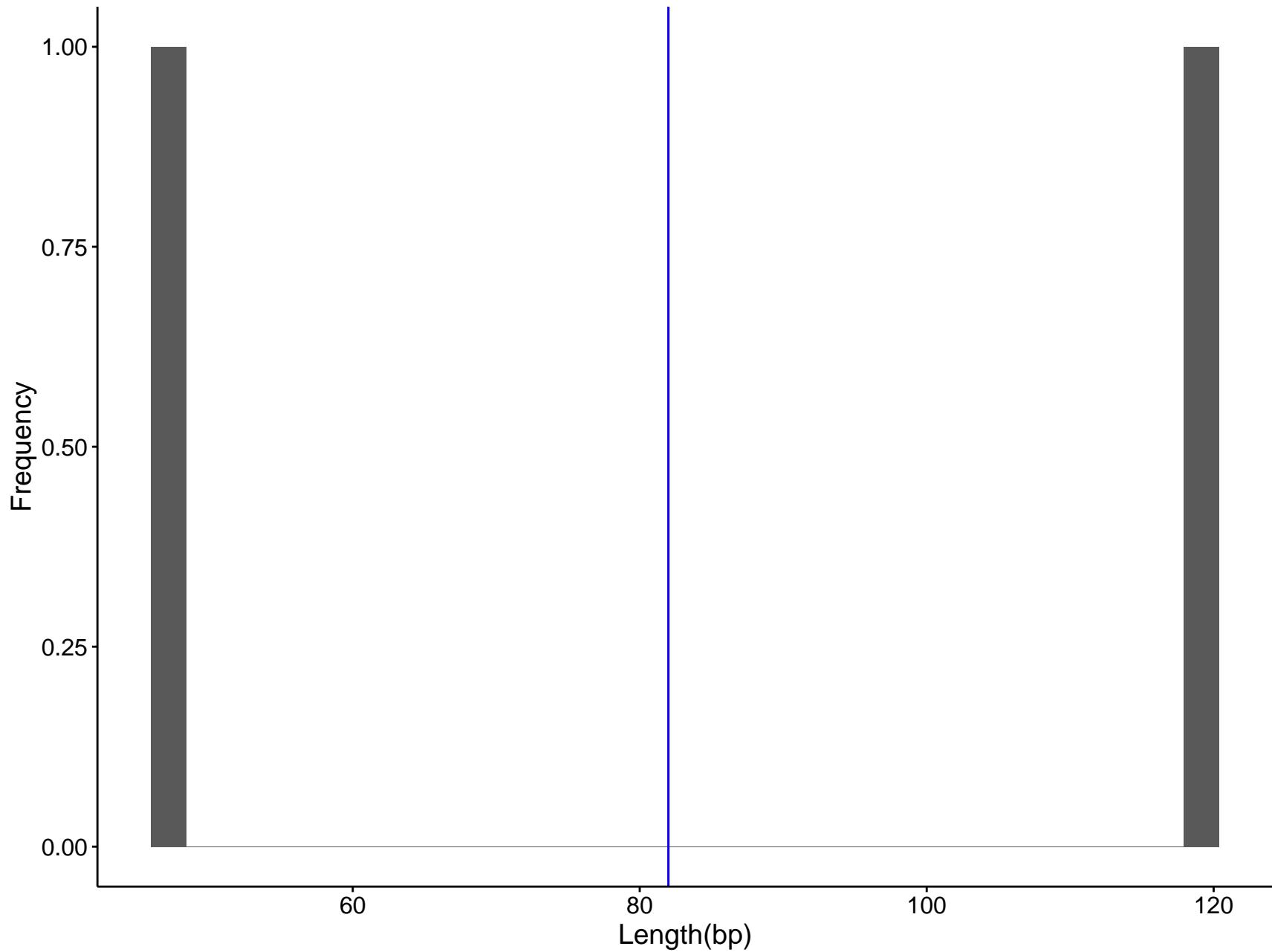
Cluster1816



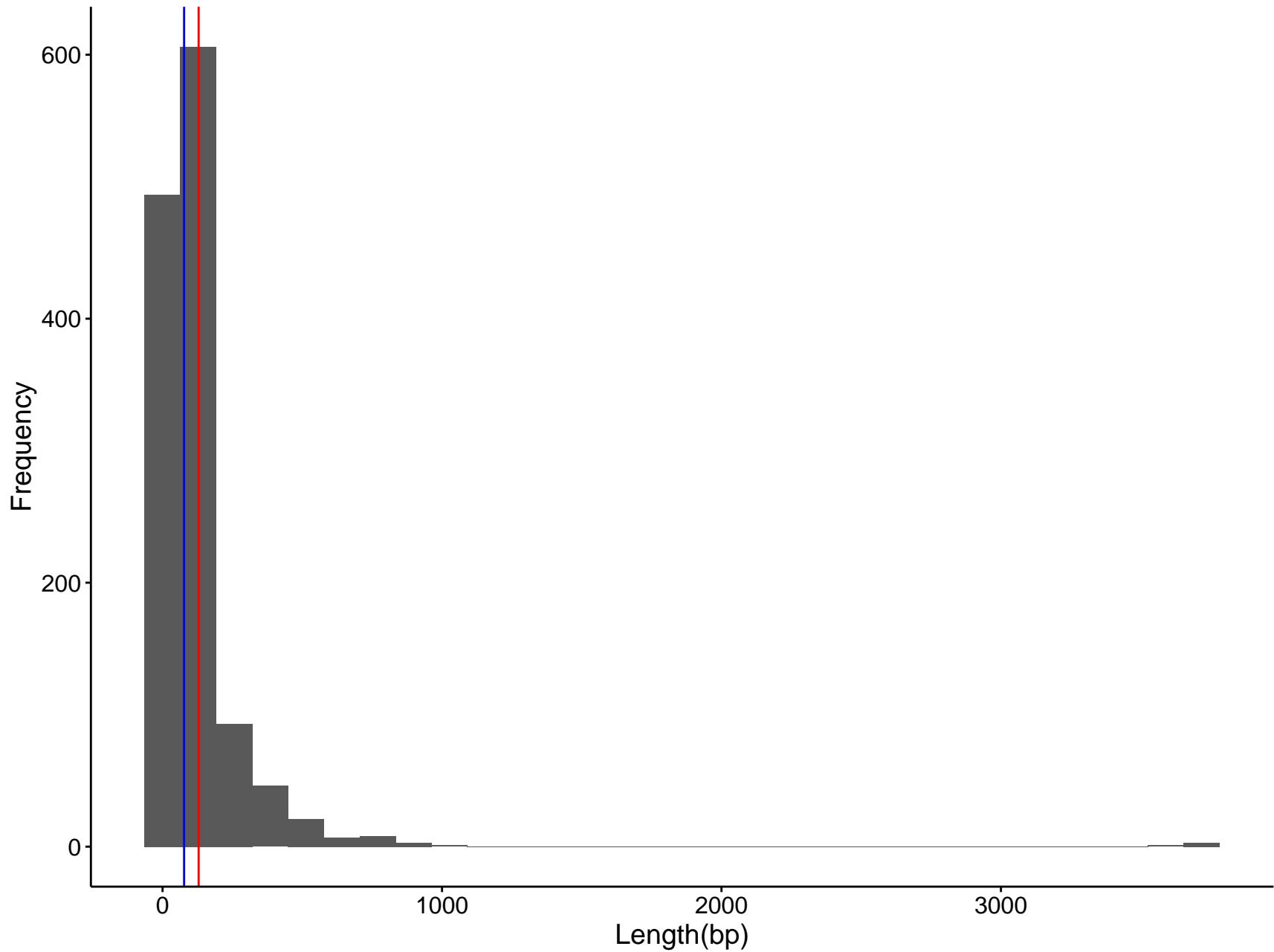
Cluster1817



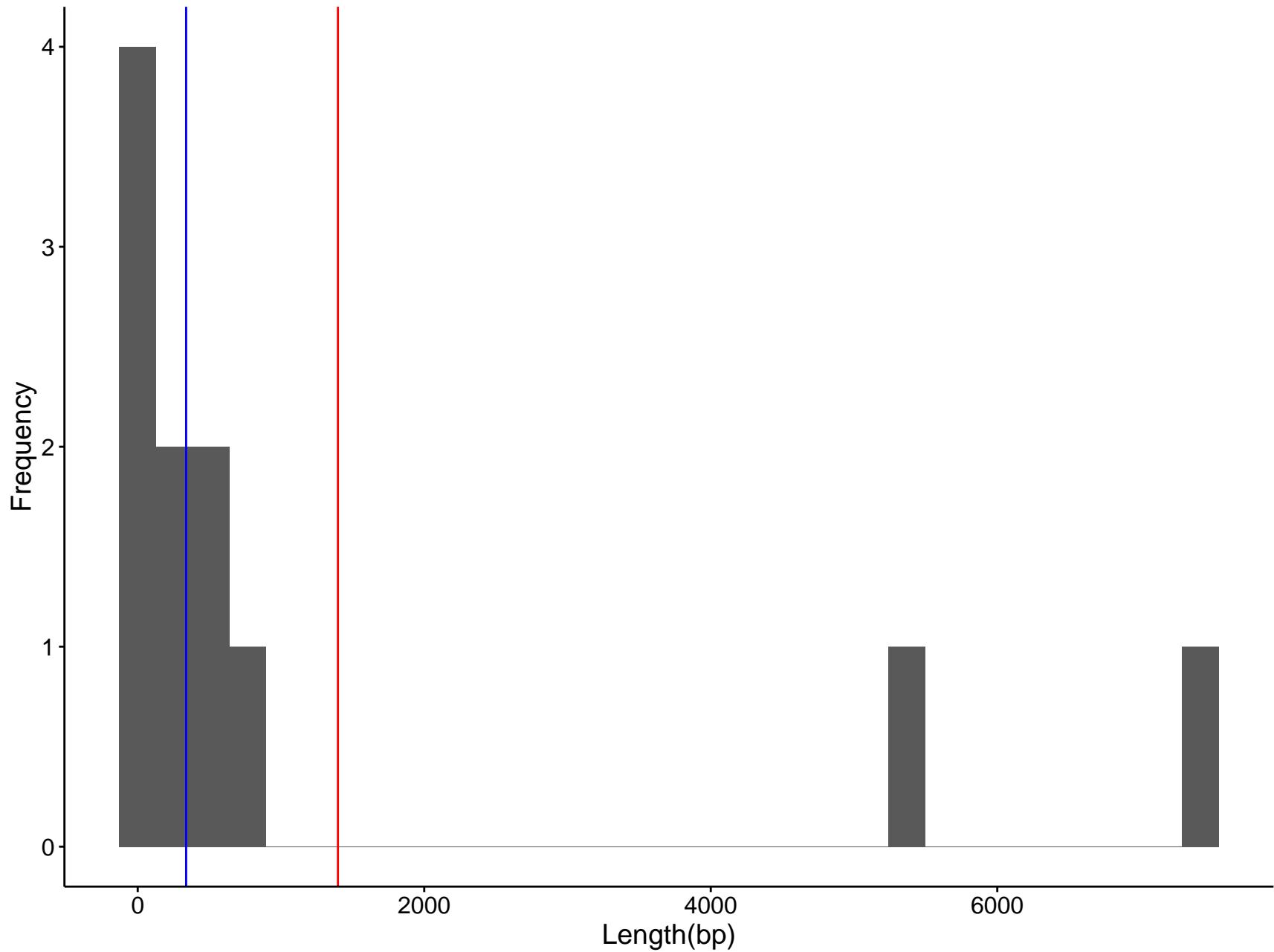
Cluster181



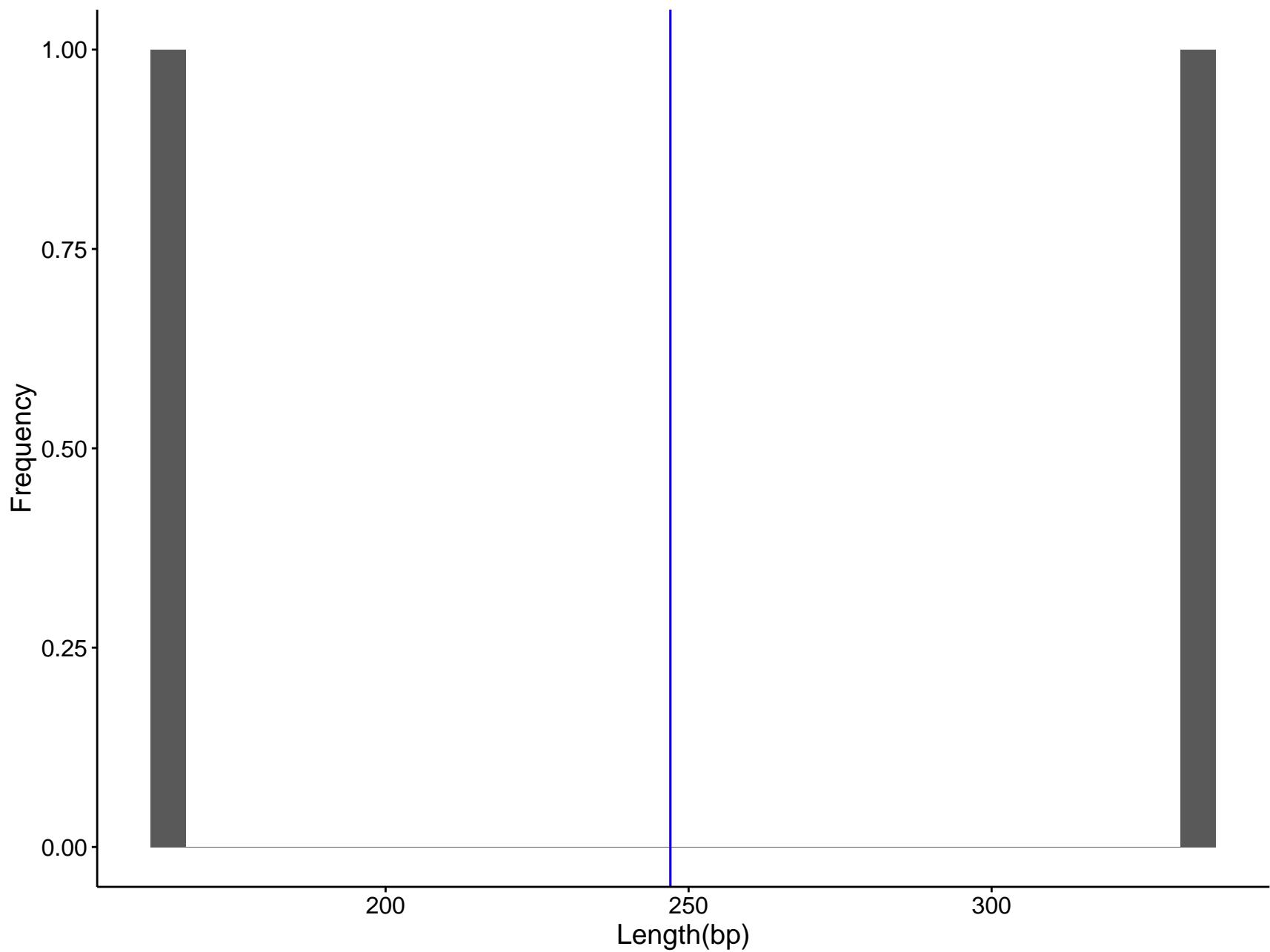
Cluster1820



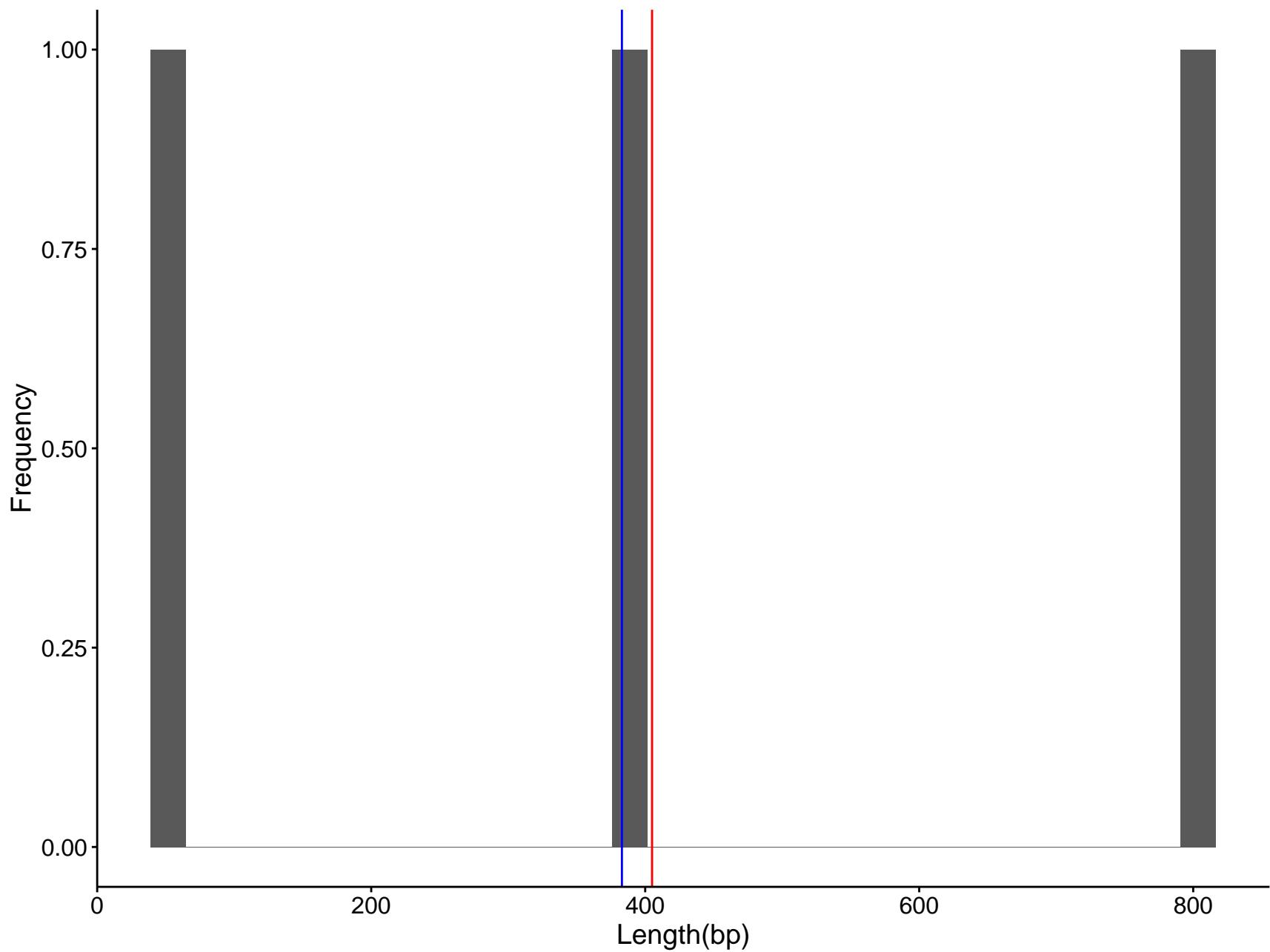
Cluster1821



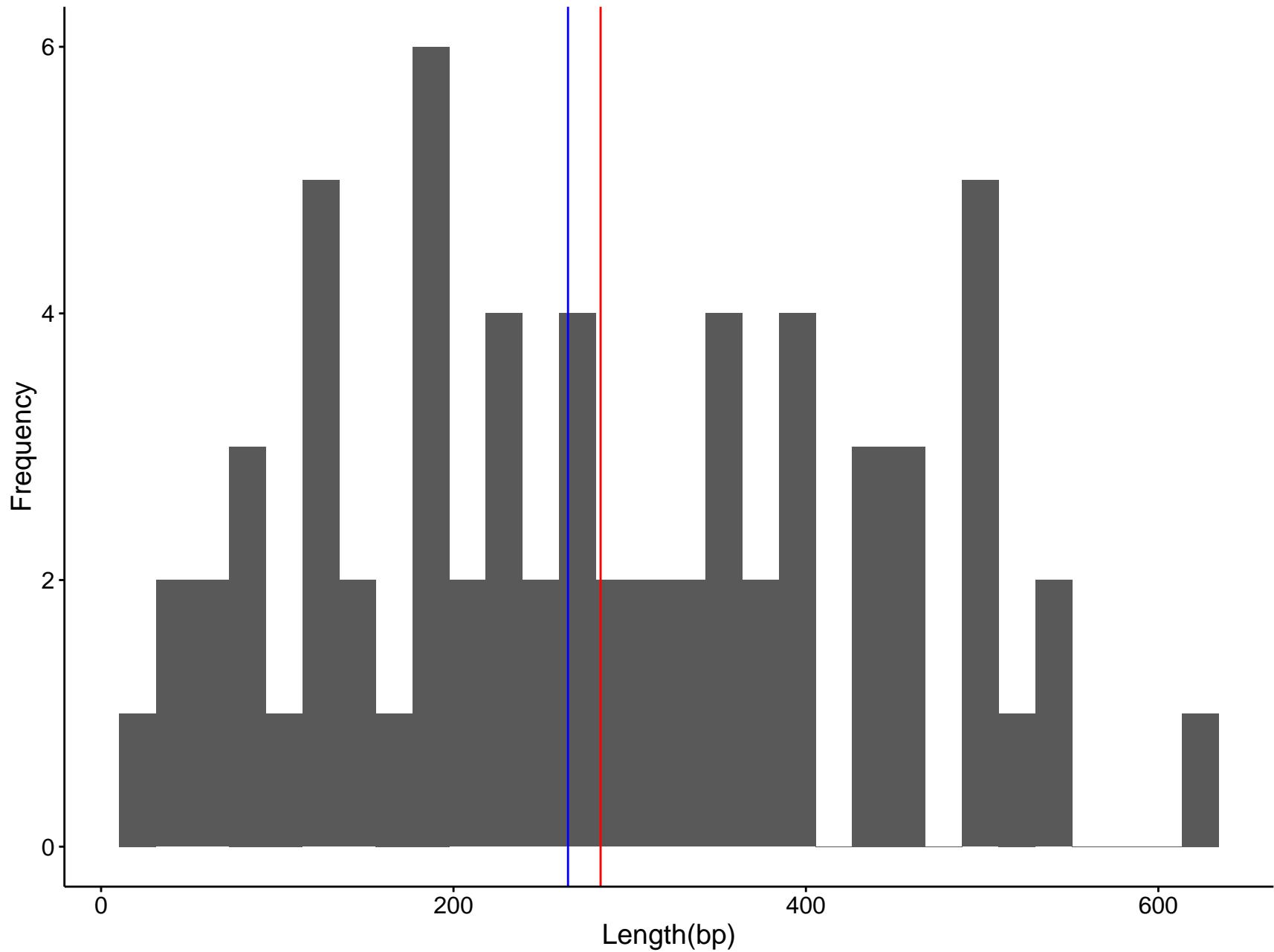
Cluster1822



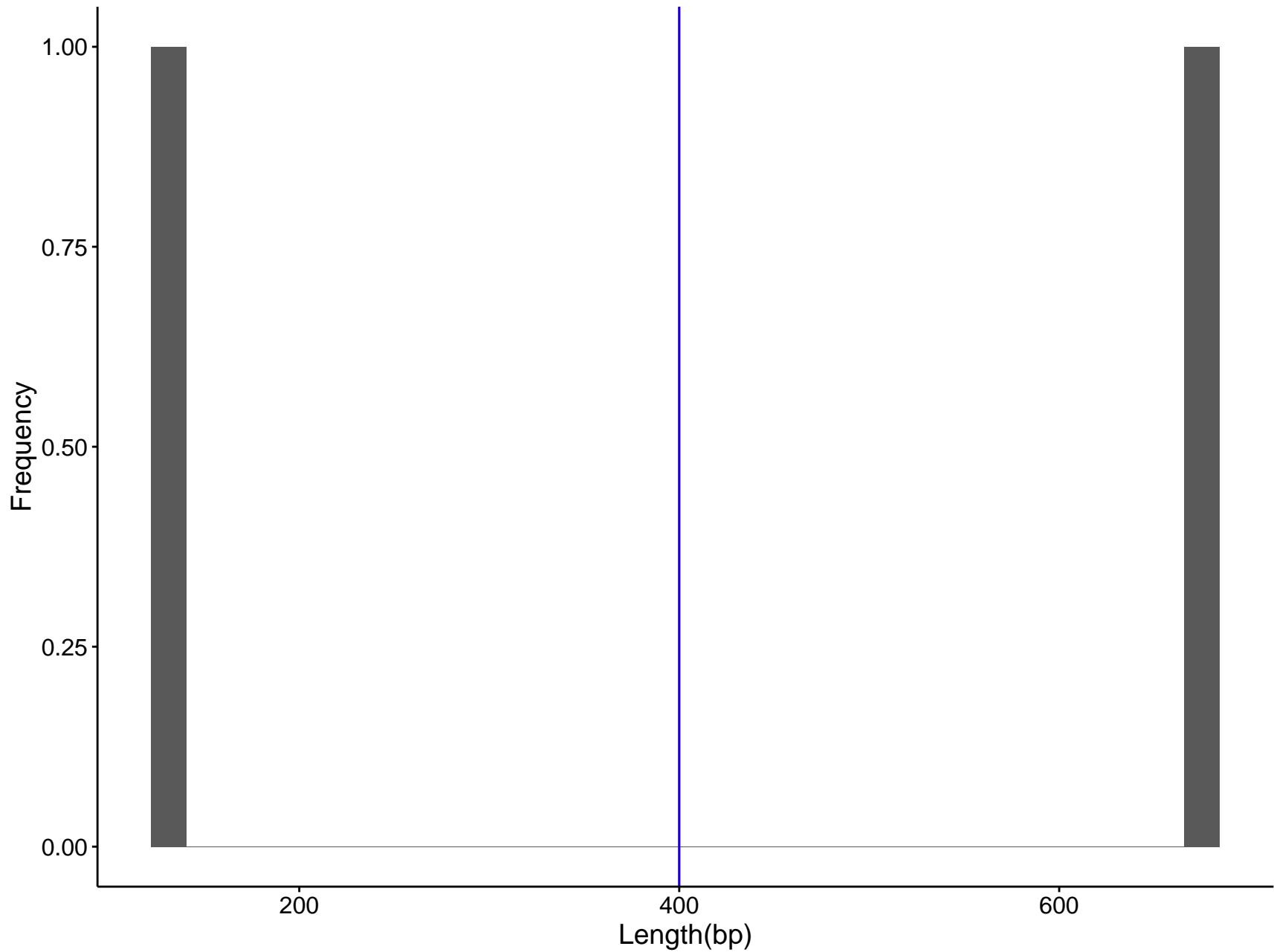
Cluster1825



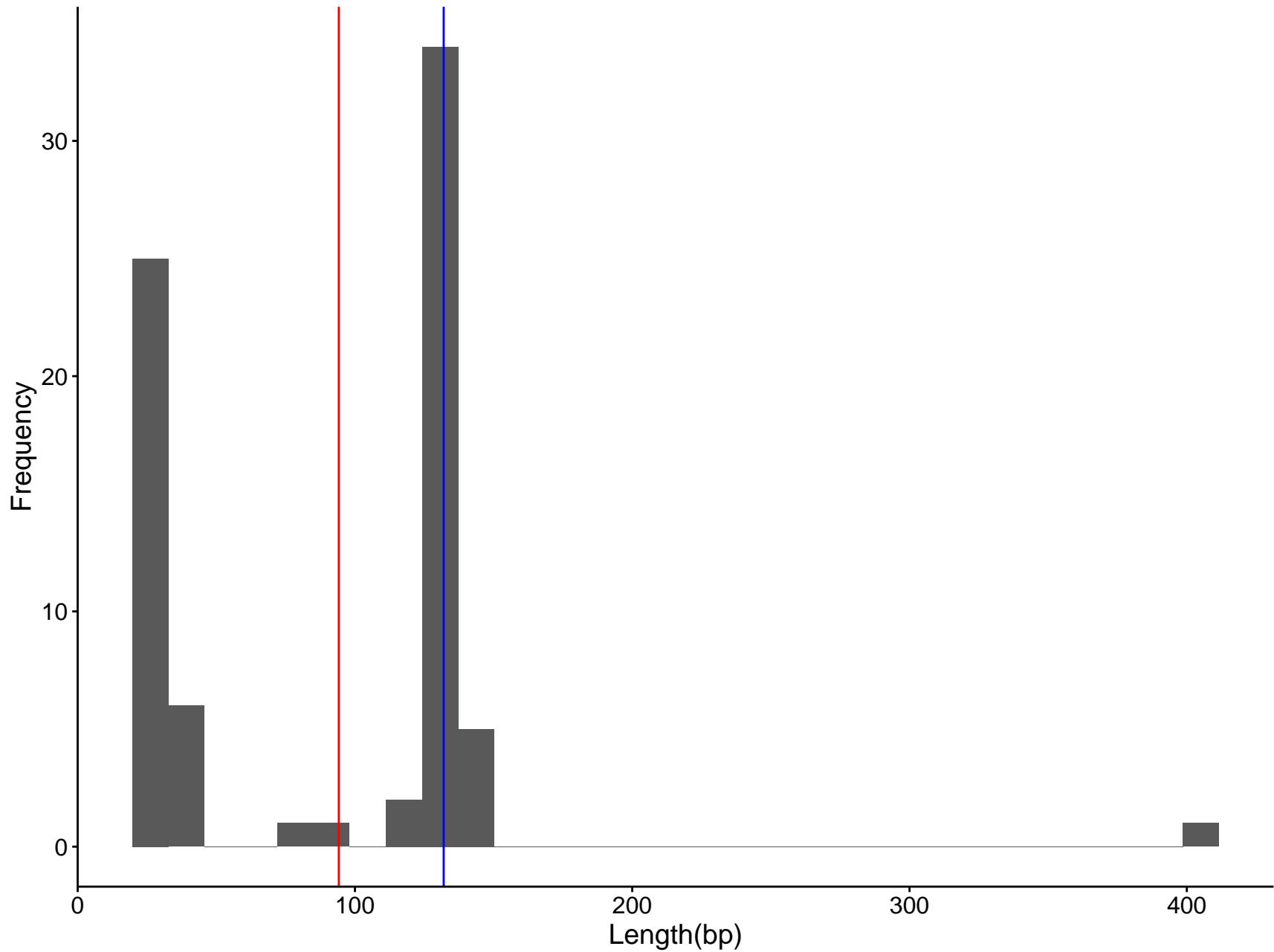
Cluster1826



Cluster1831



Cluster1832



# Cluster1833

Frequency

78.950

78.975

79.000

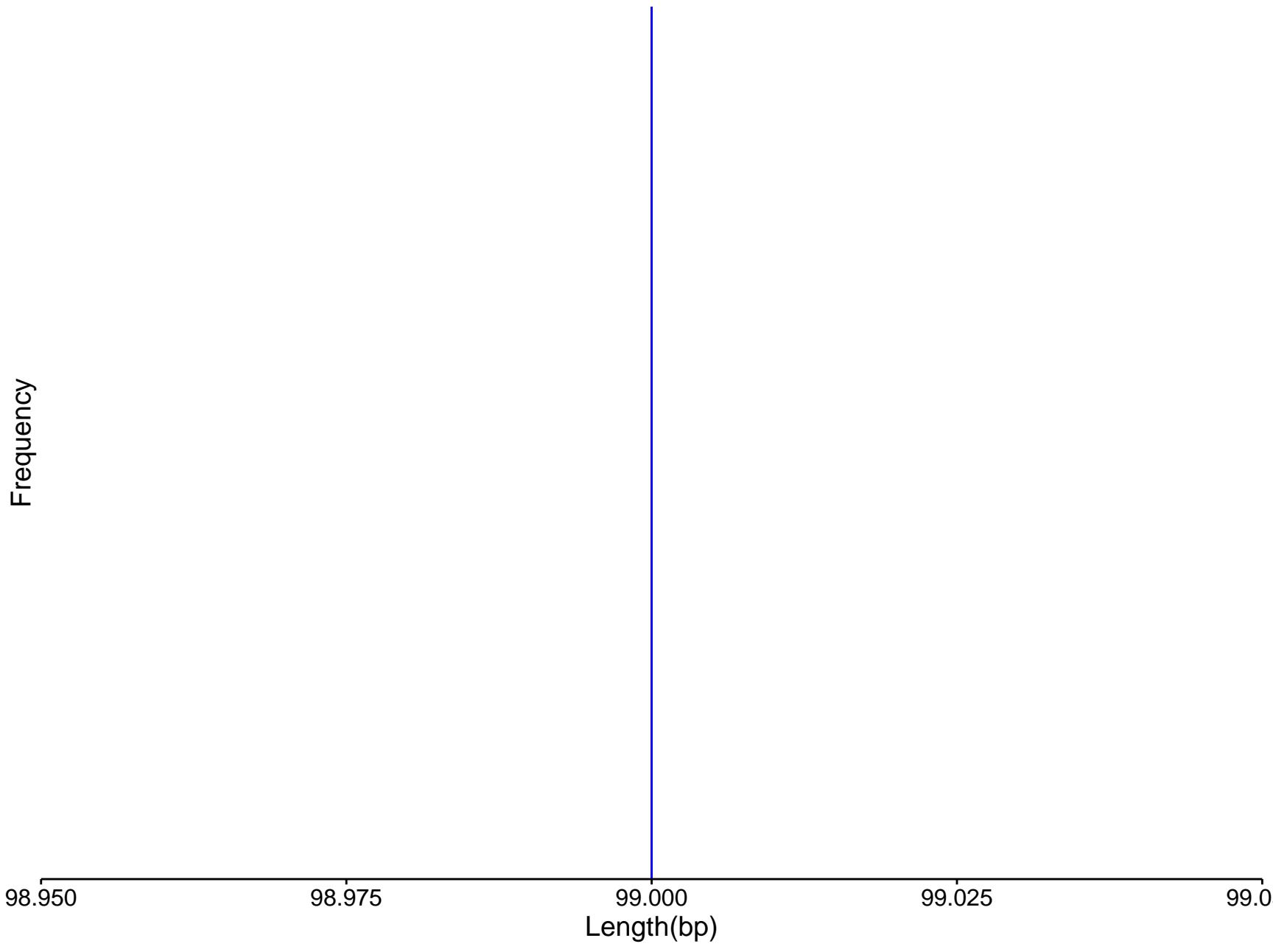
79.025

79.0

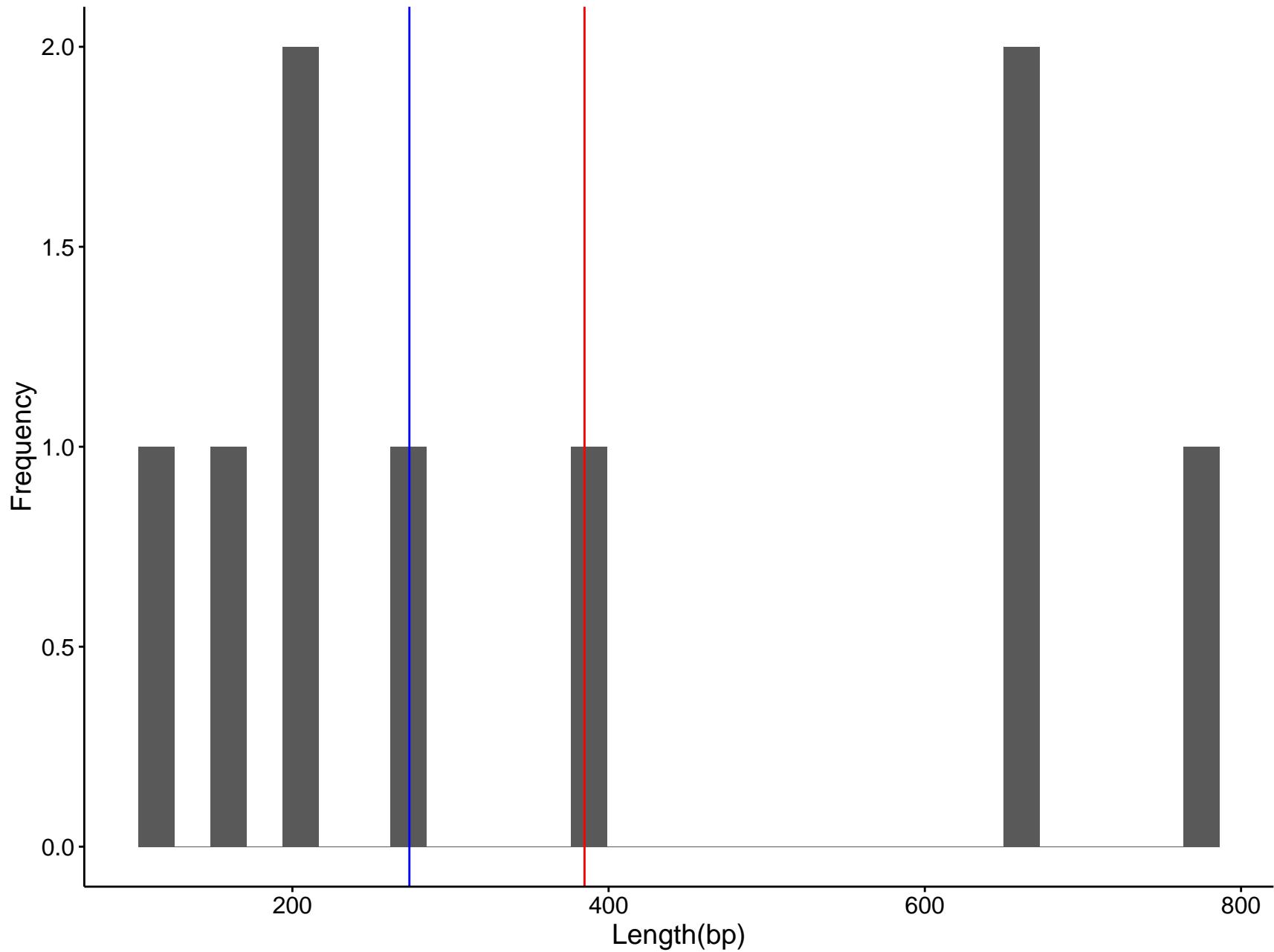
Length(bp)



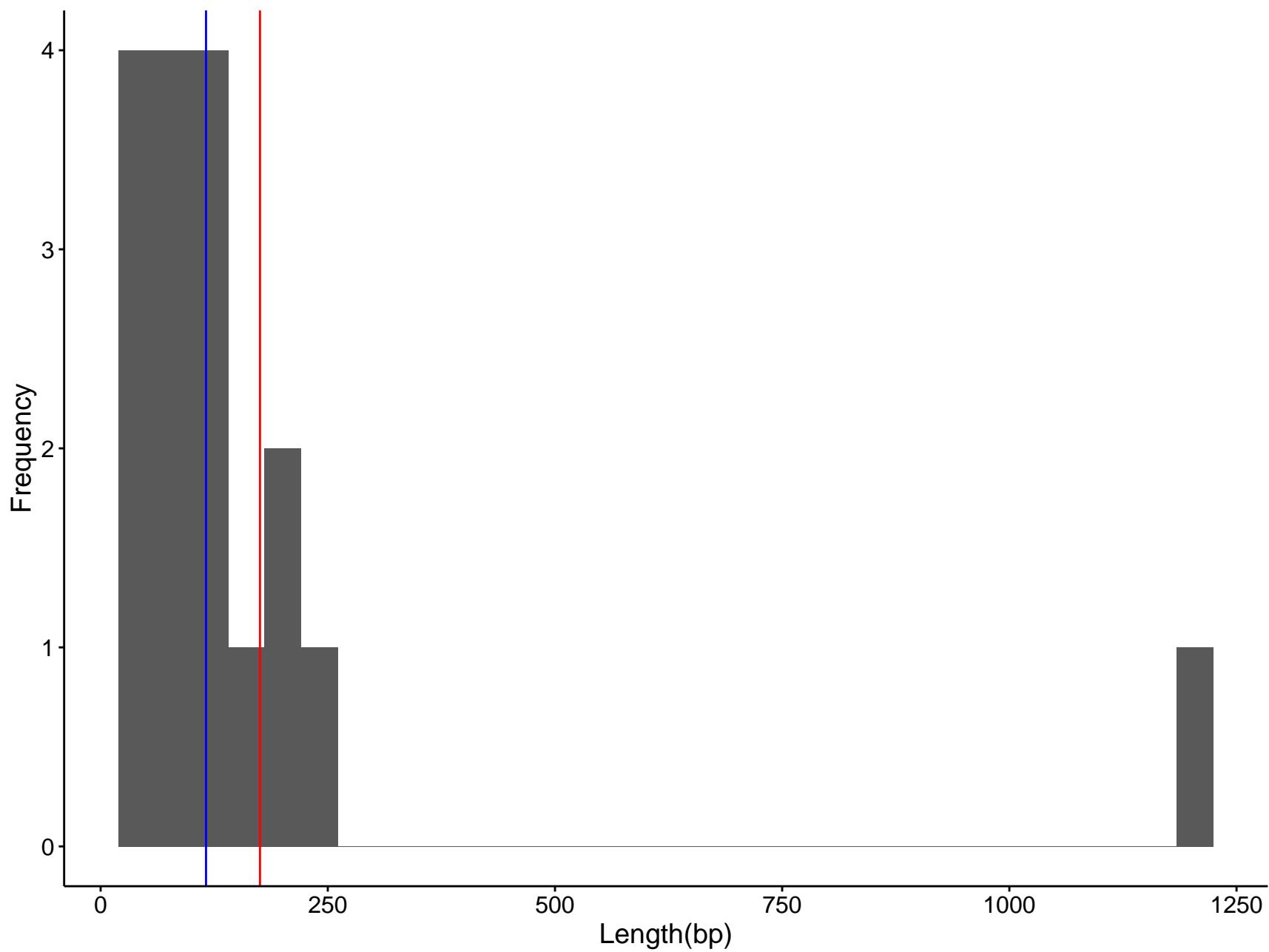
Cluster1834



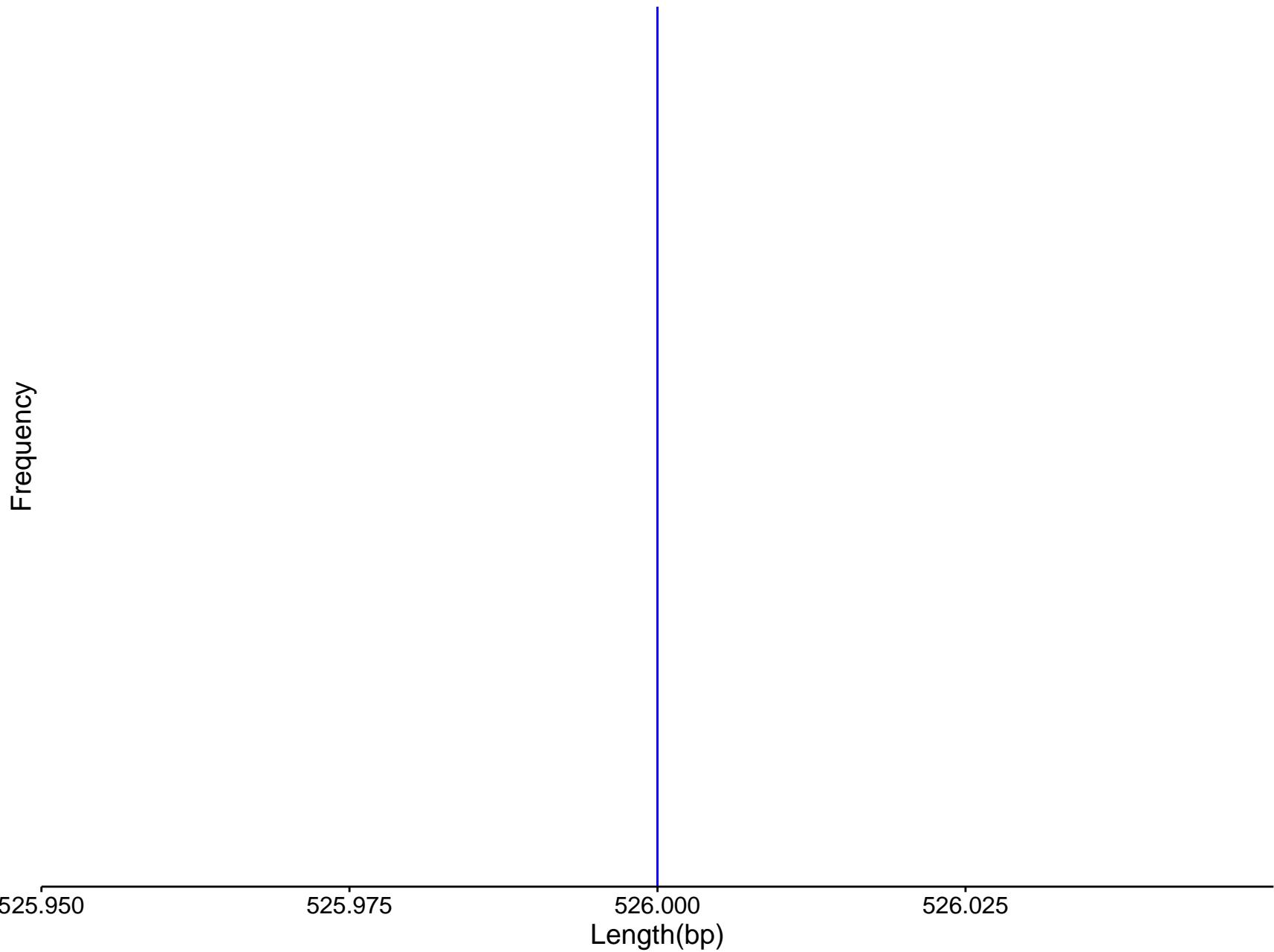
Cluster1836



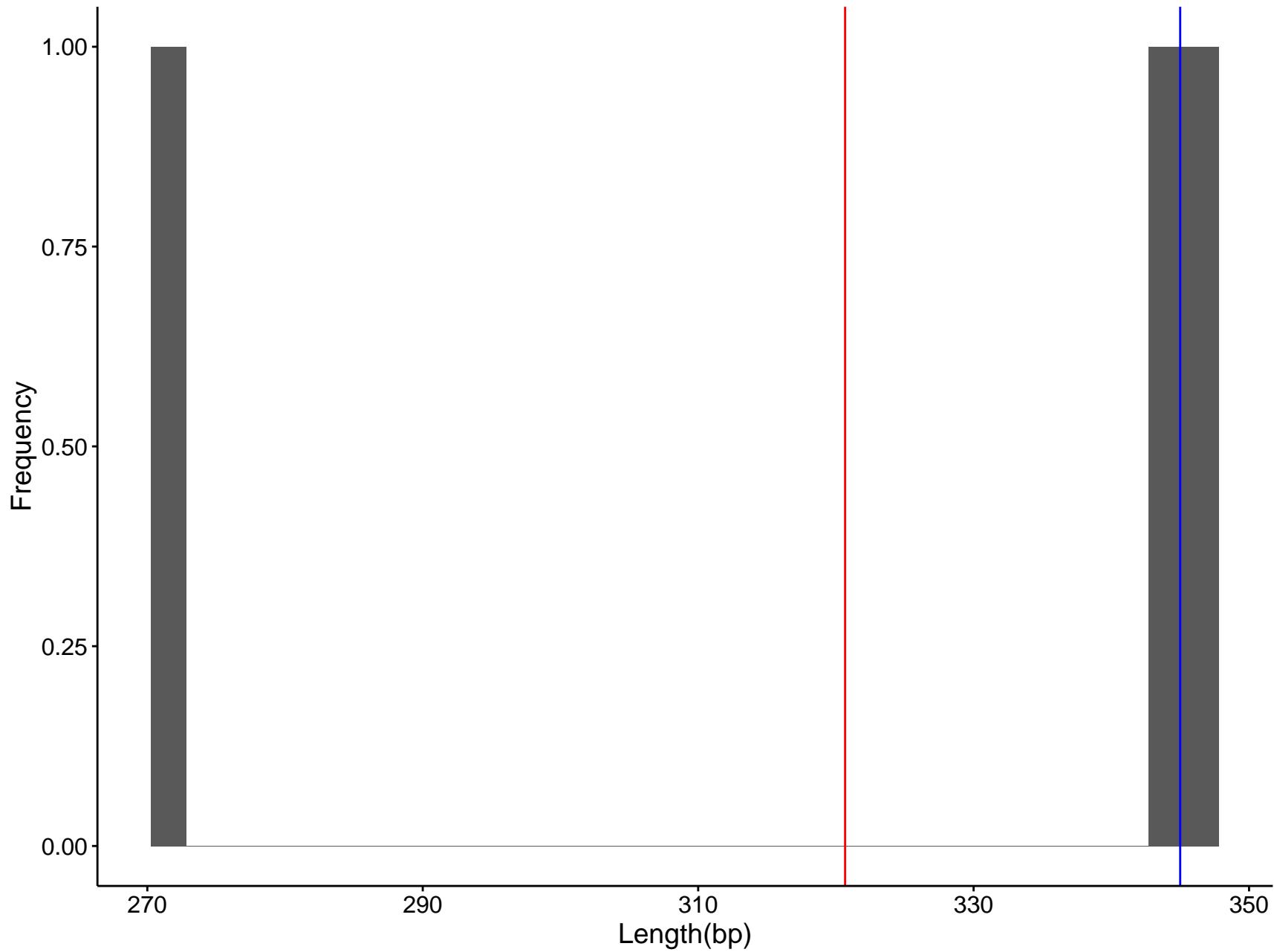
Cluster1839



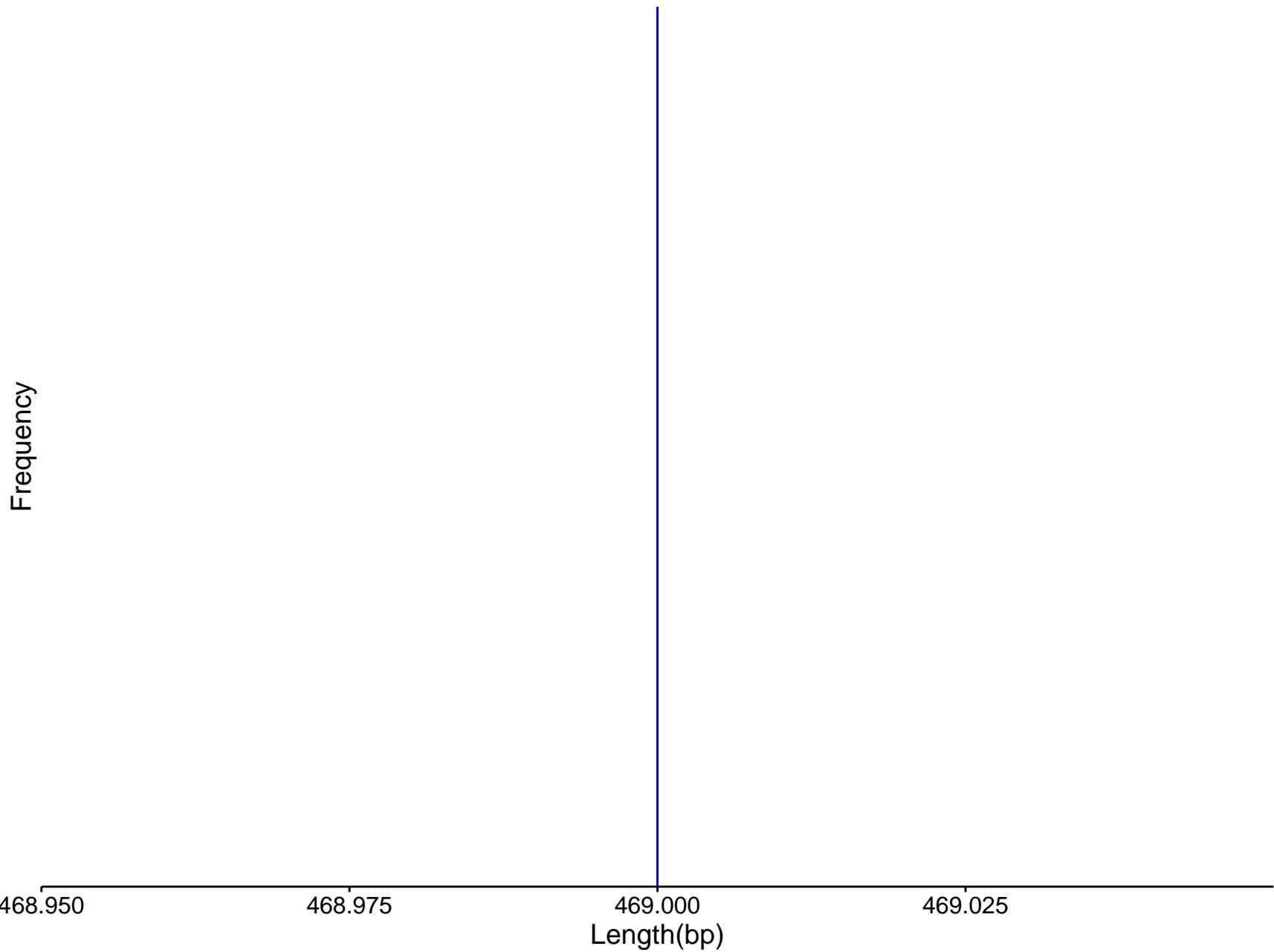
# Cluster183



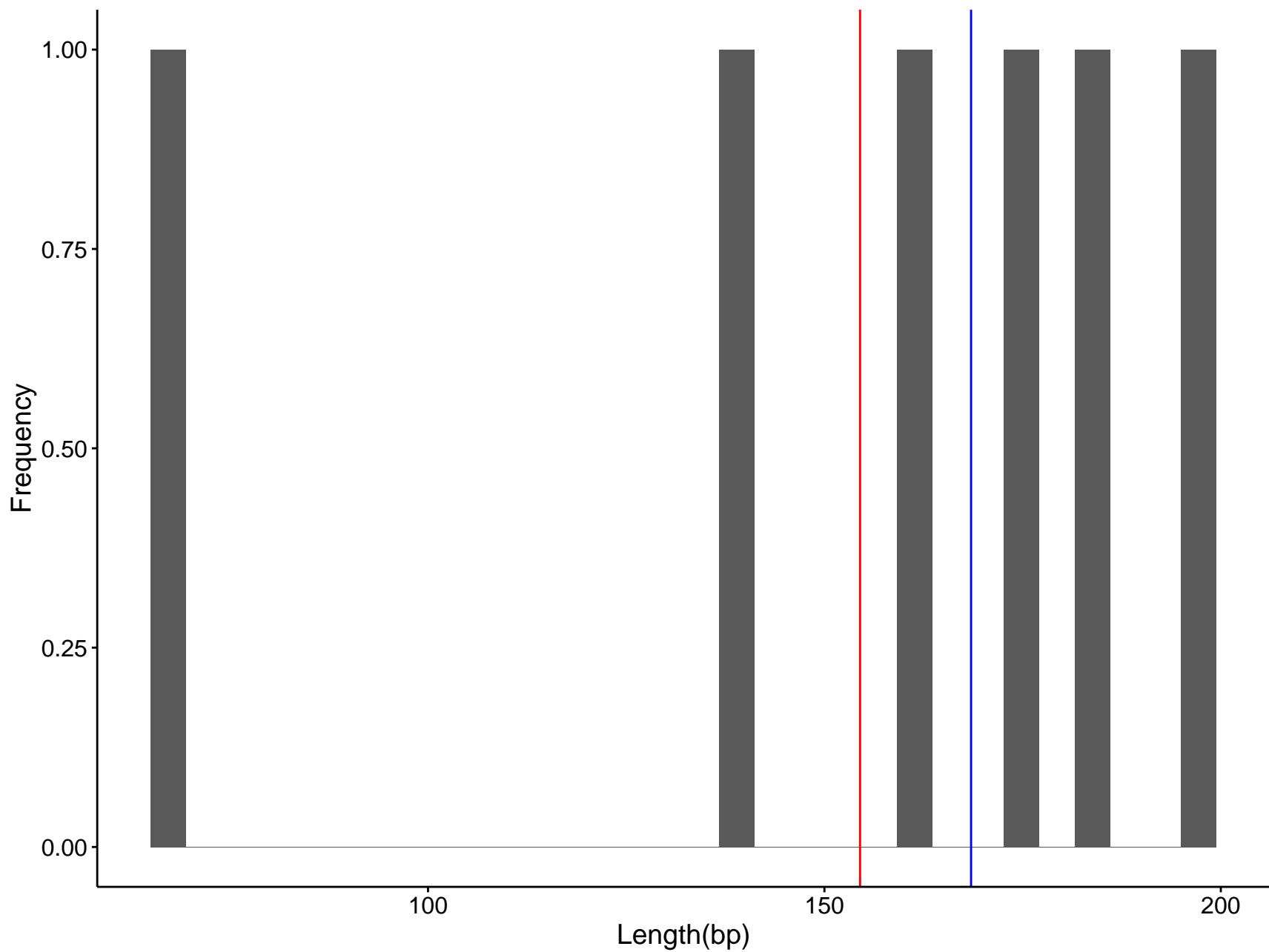
Cluster1840



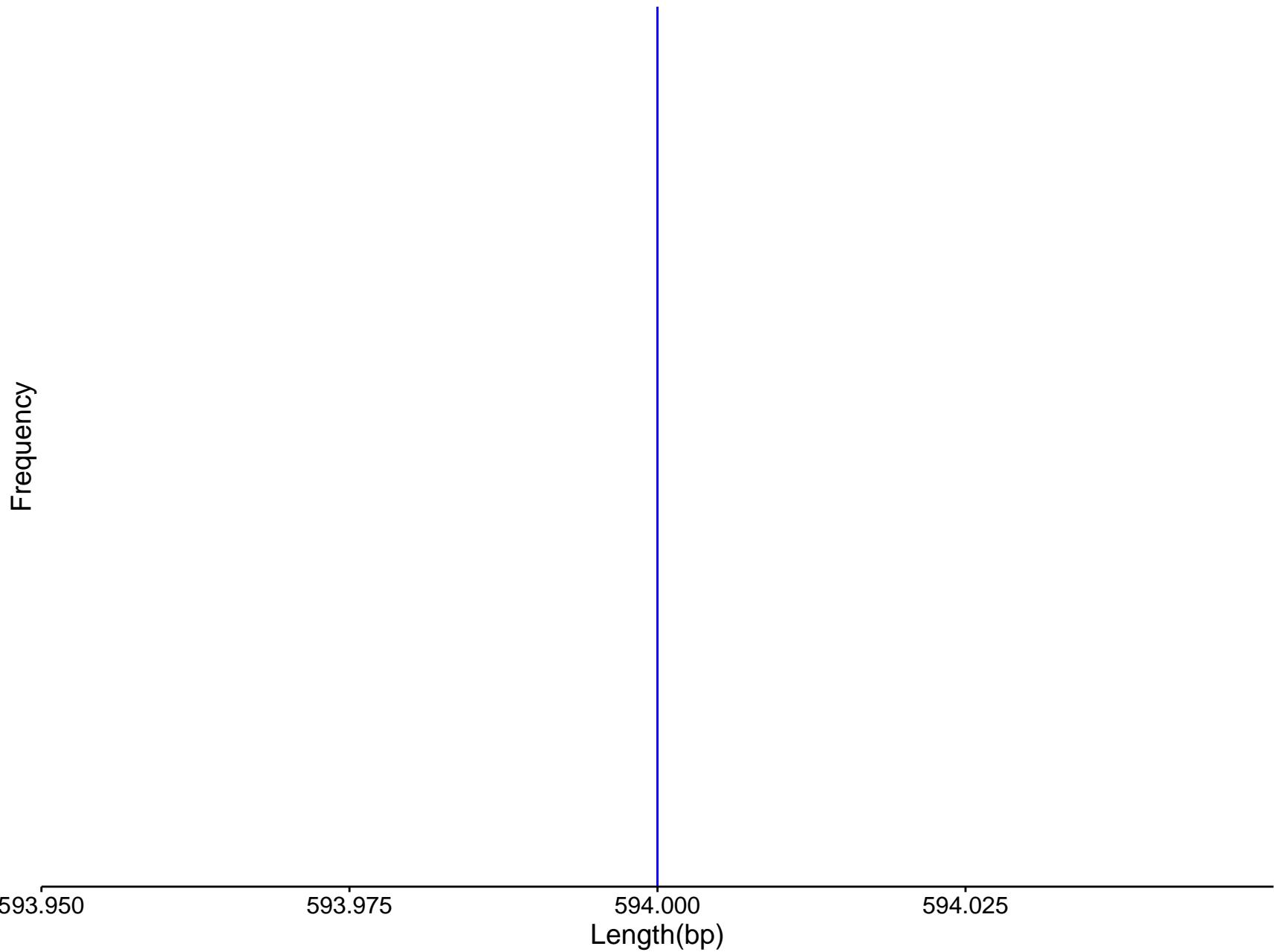
Cluster1842



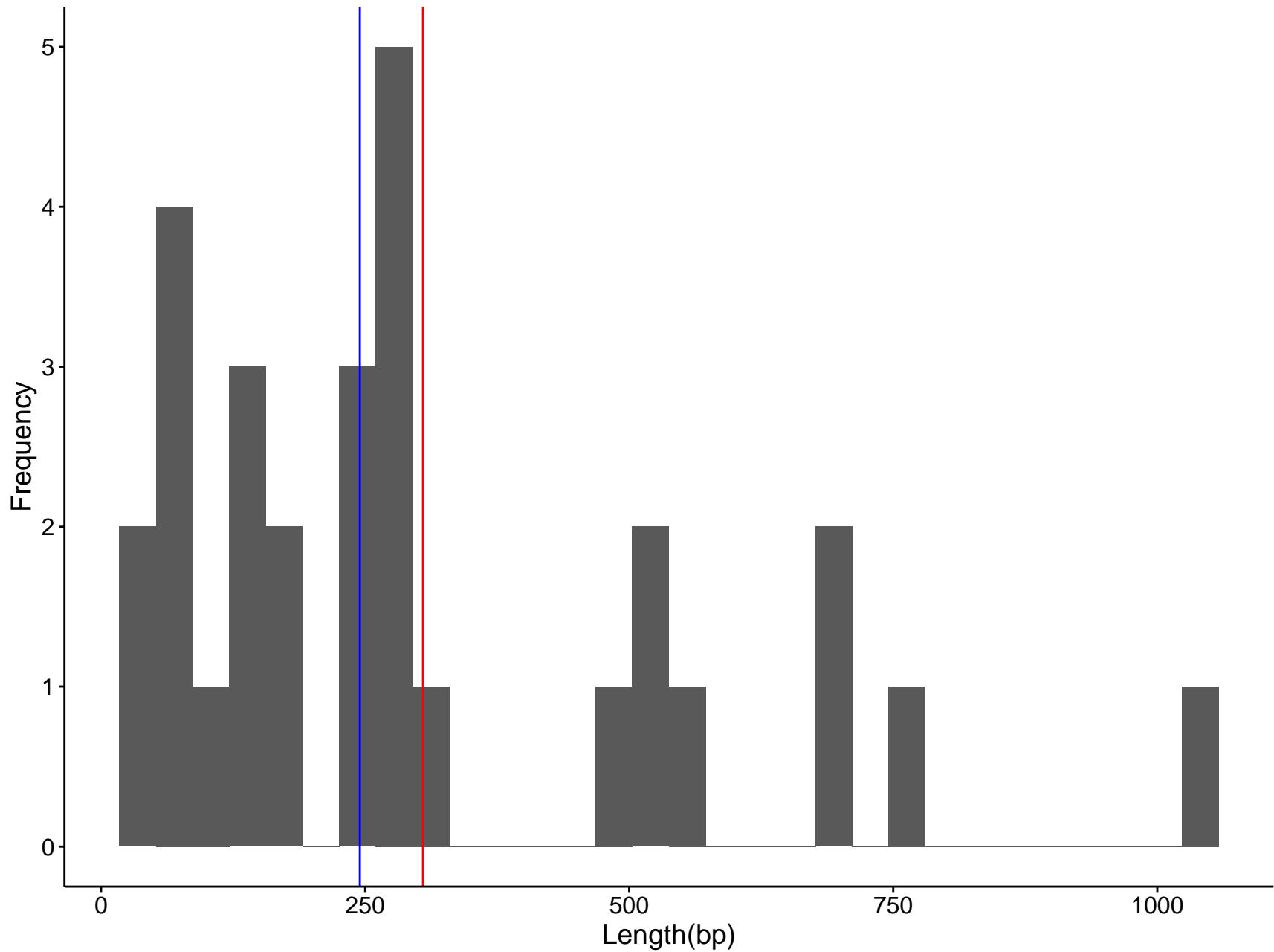
Cluster1843



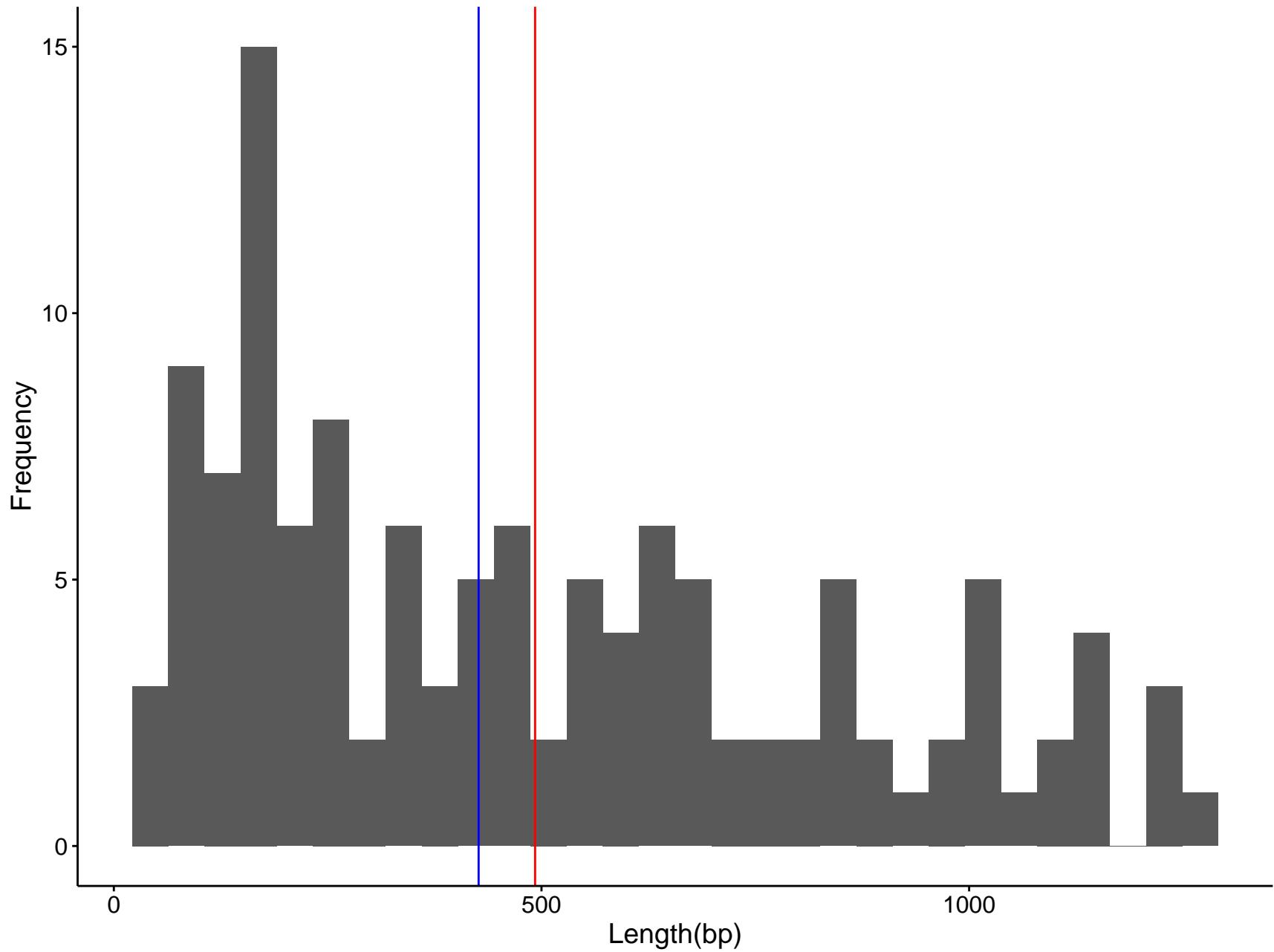
# Cluster1844



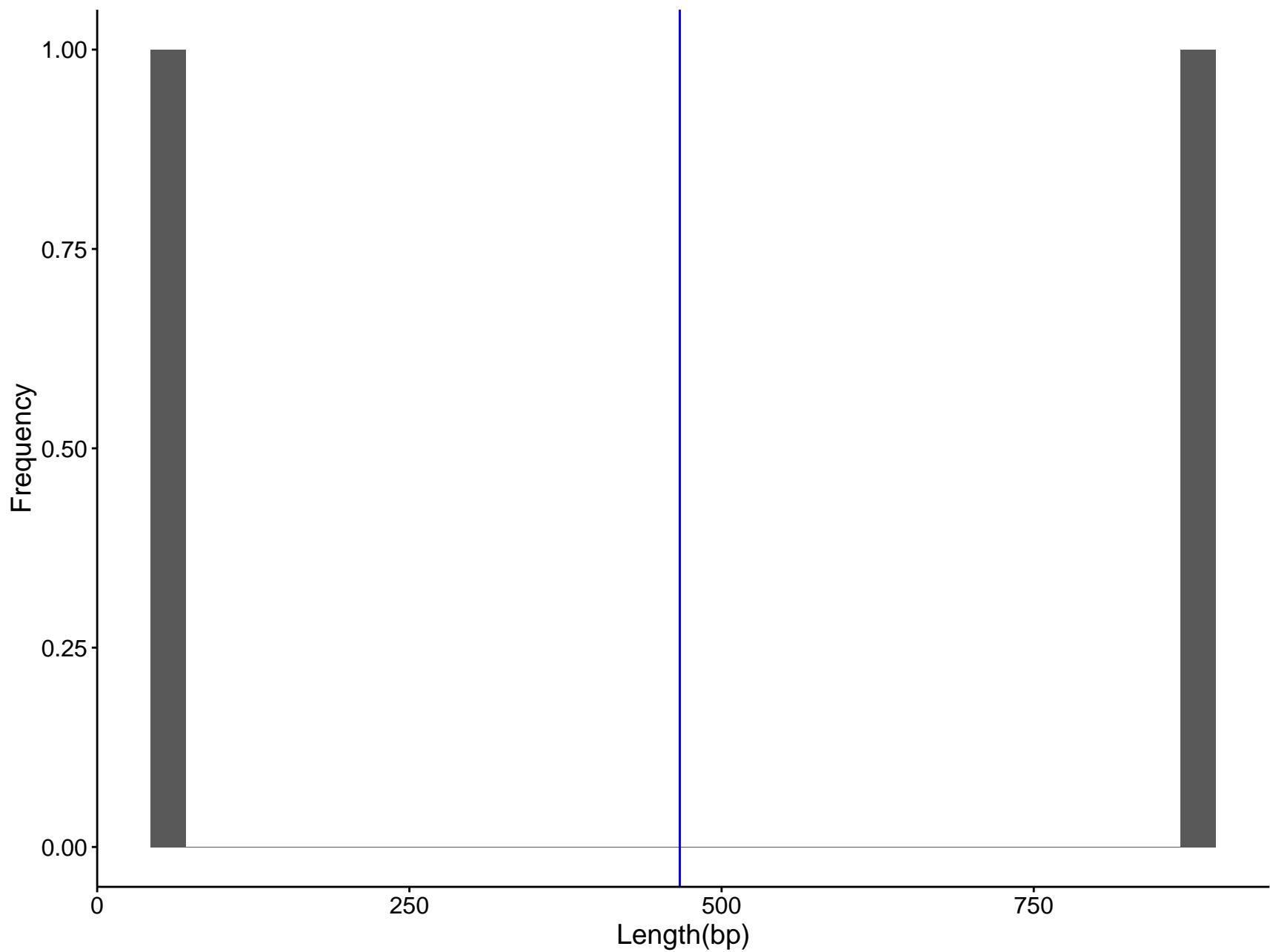
Cluster1845



Cluster1846



Cluster1847



Cluster1849

Frequency

288.950

288.975

289.000

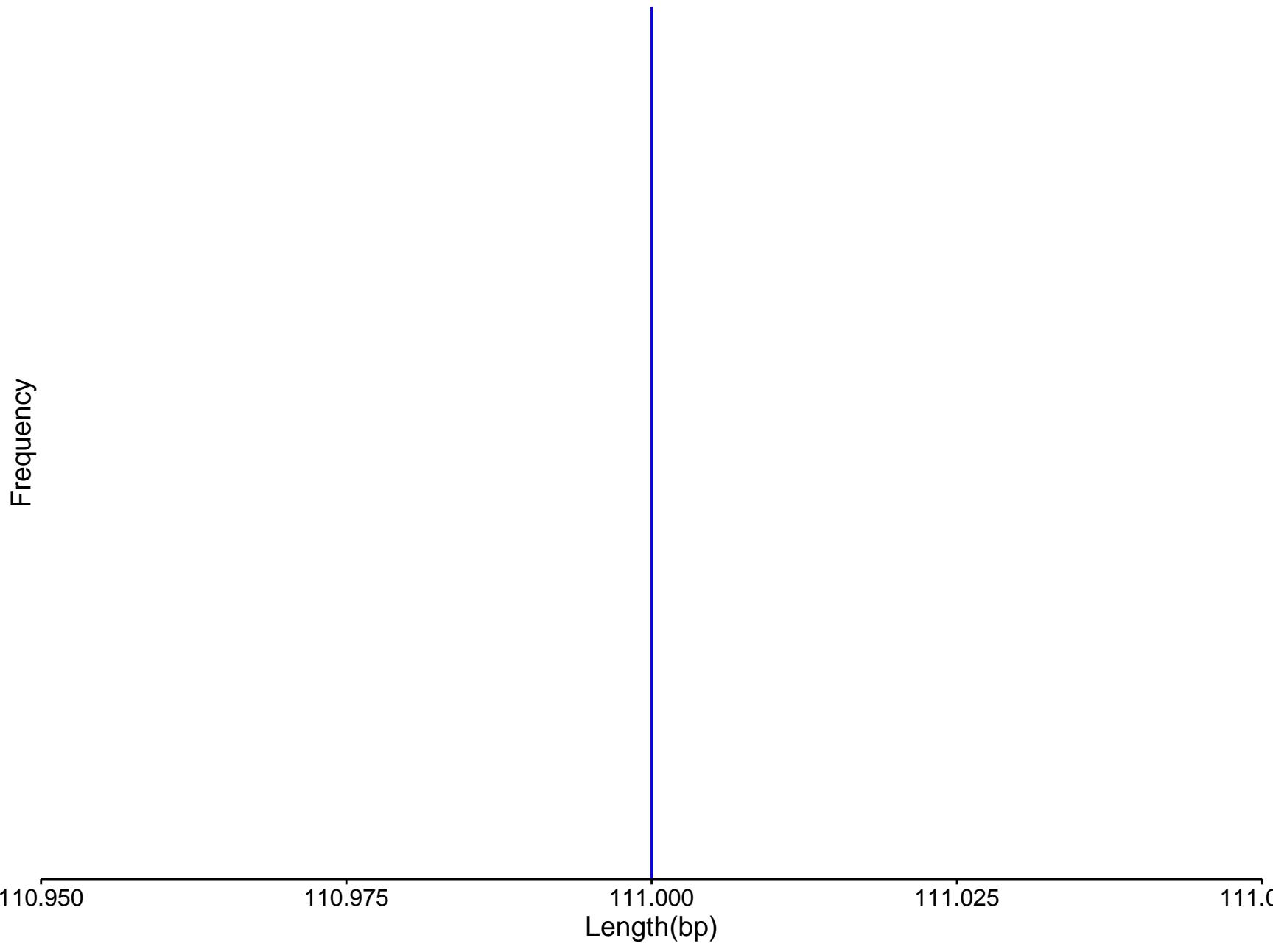
289.025

289.050

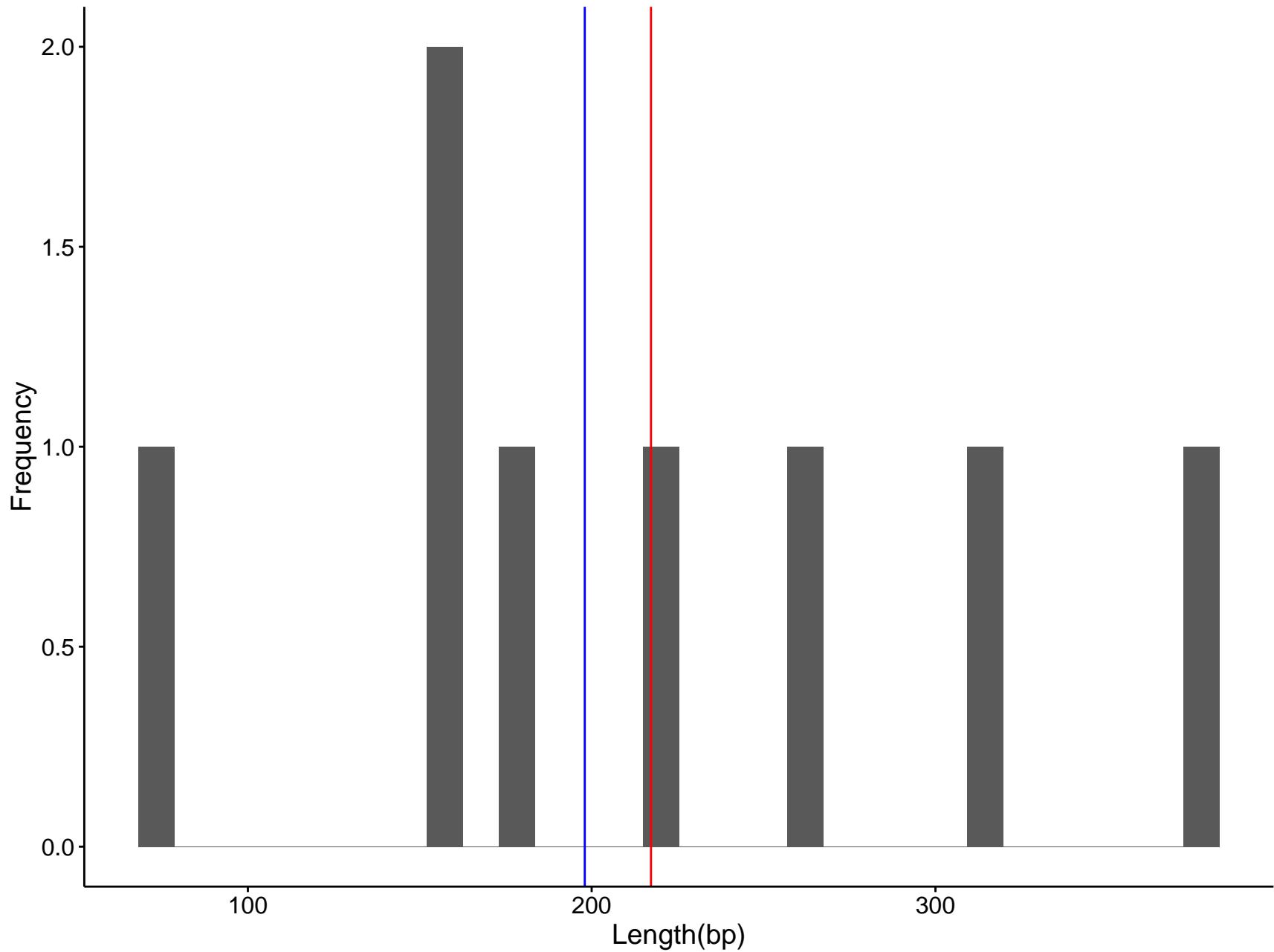
Length(bp)



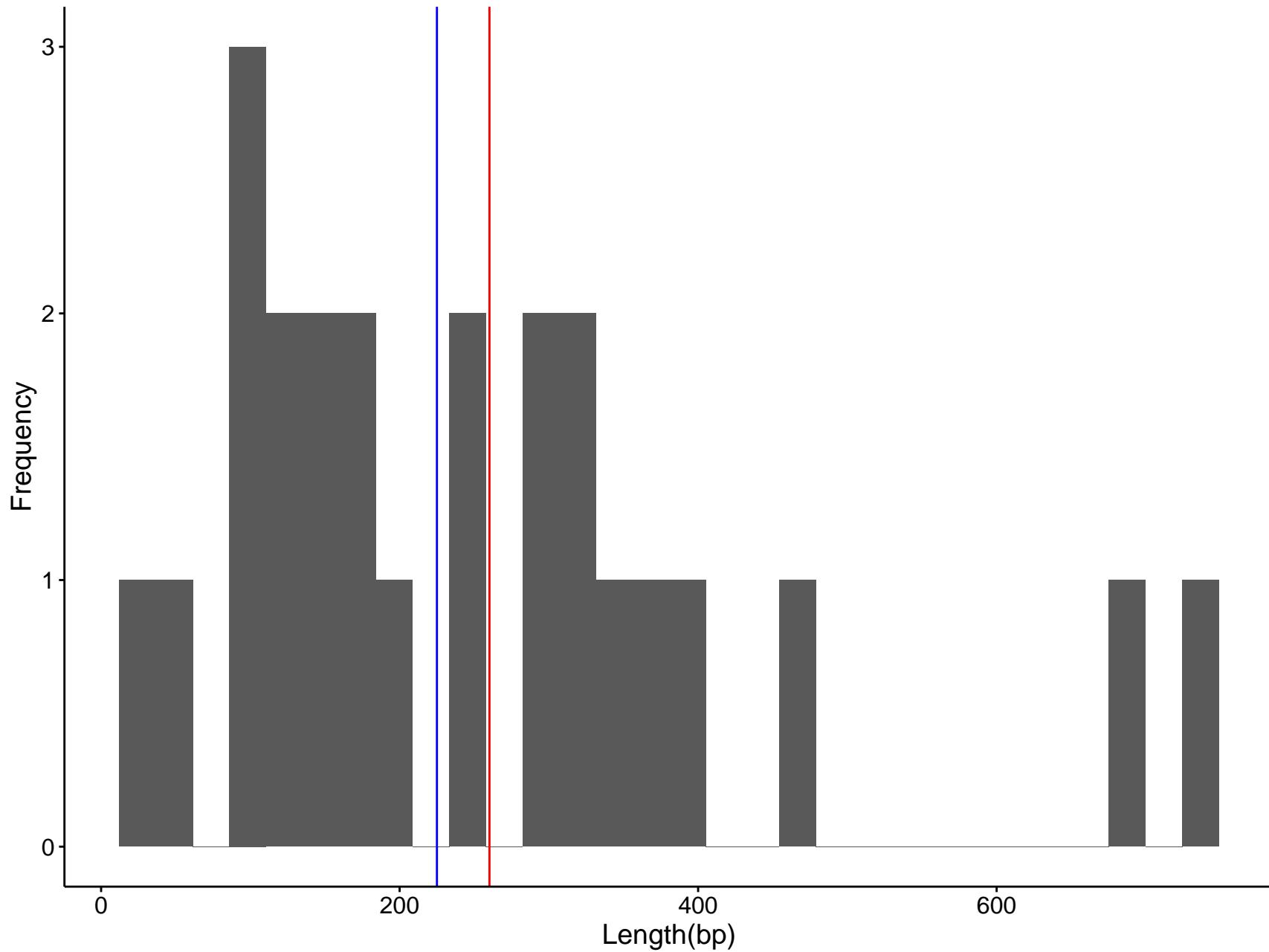
# Cluster184



Cluster1851



Cluster1853



Cluster1854

Frequency

162.950

162.975

163.000

163.025

163.0

Length(bp)



# Cluster1857

Frequency

394.950

394.975

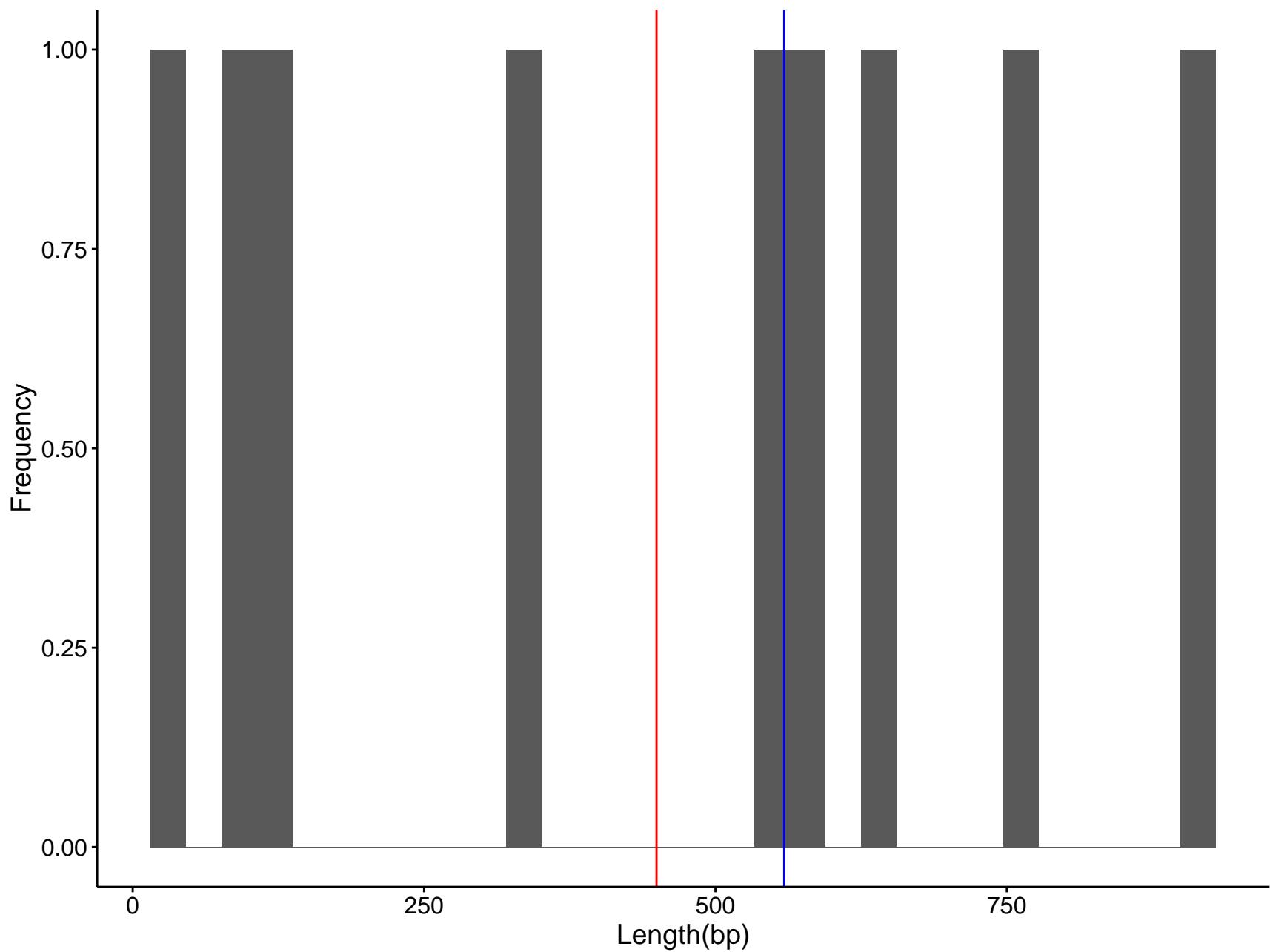
395.000

395.025

Length(bp)



Cluster1858



Cluster1859

Frequency

288.950

288.975

289.000

289.025

289.050

Length(bp)



Cluster1860

Frequency

92.950

92.975

93.000

93.025

93.0

Length(bp)



# Cluster1861

Frequency

1191.950

1191.975

1192.000

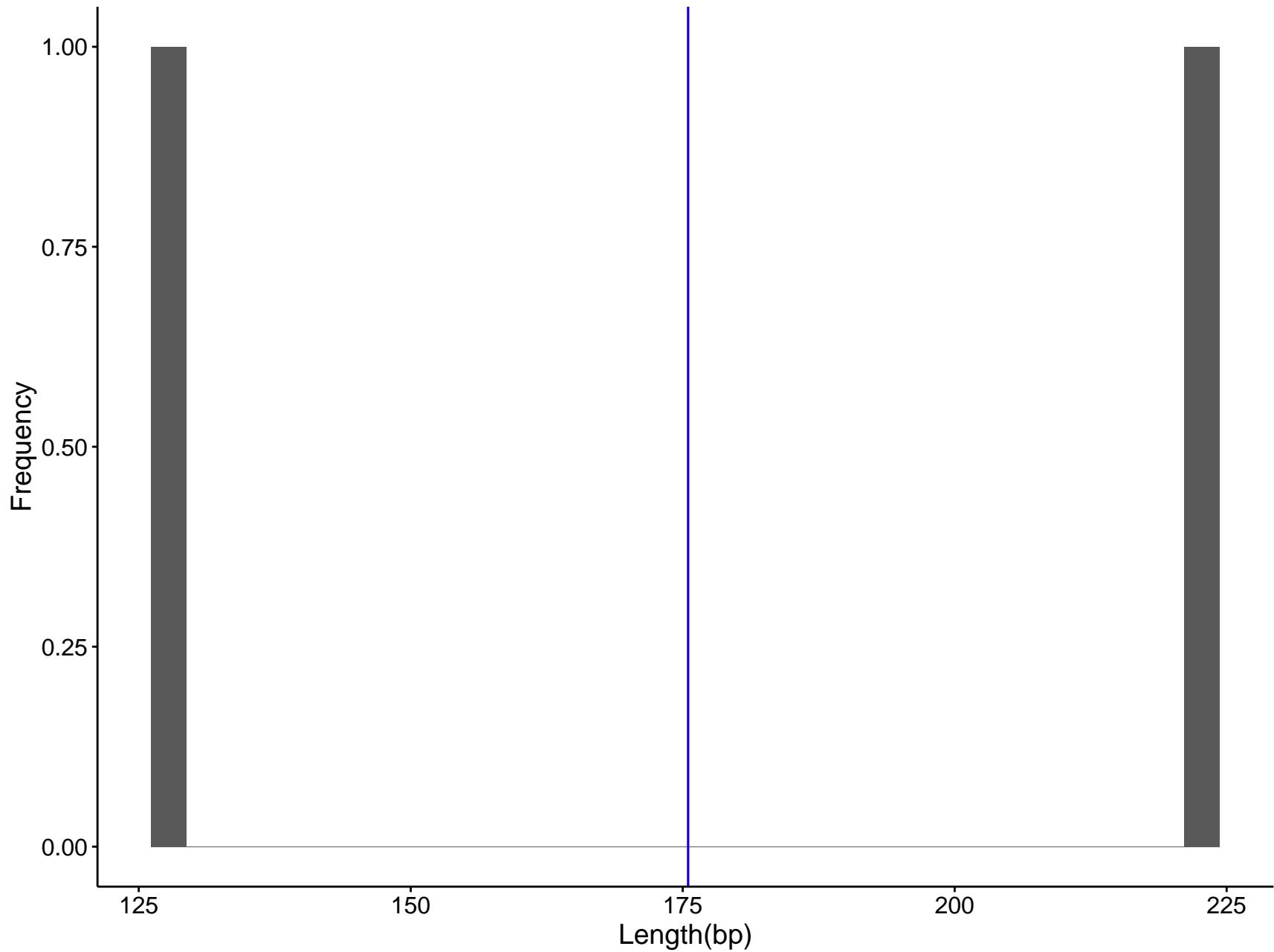
1192.025

1192.

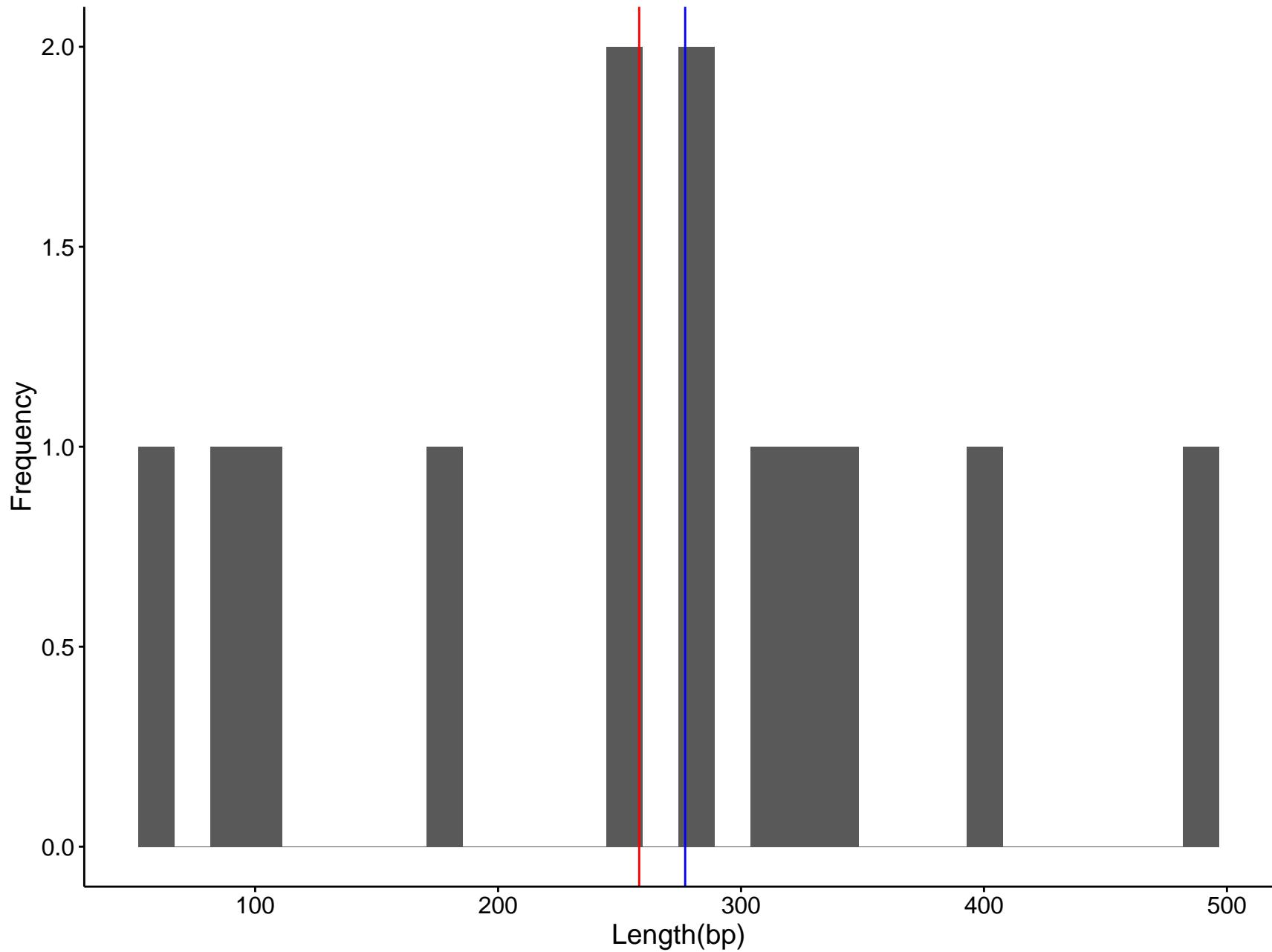
Length(bp)



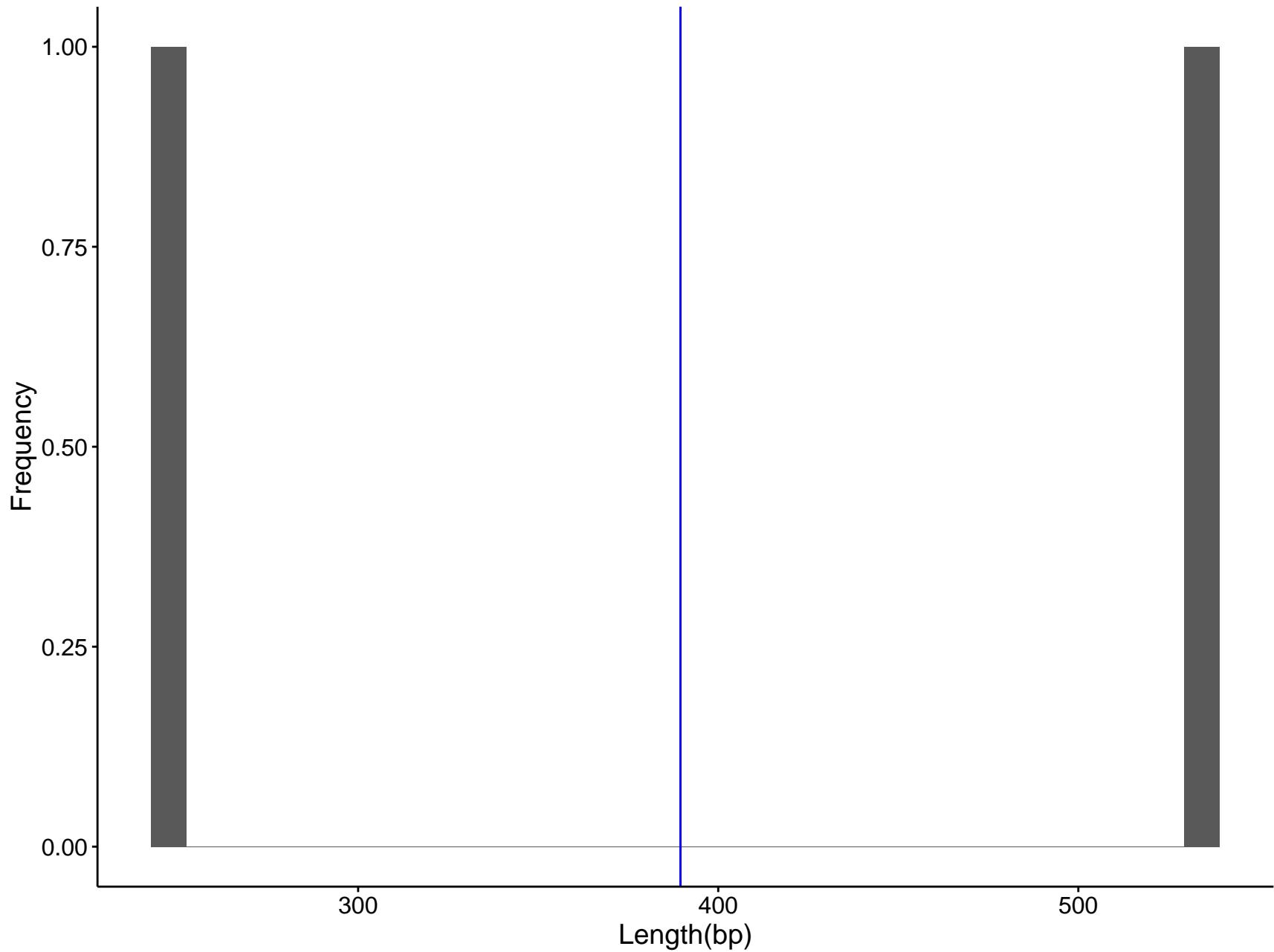
Cluster1862



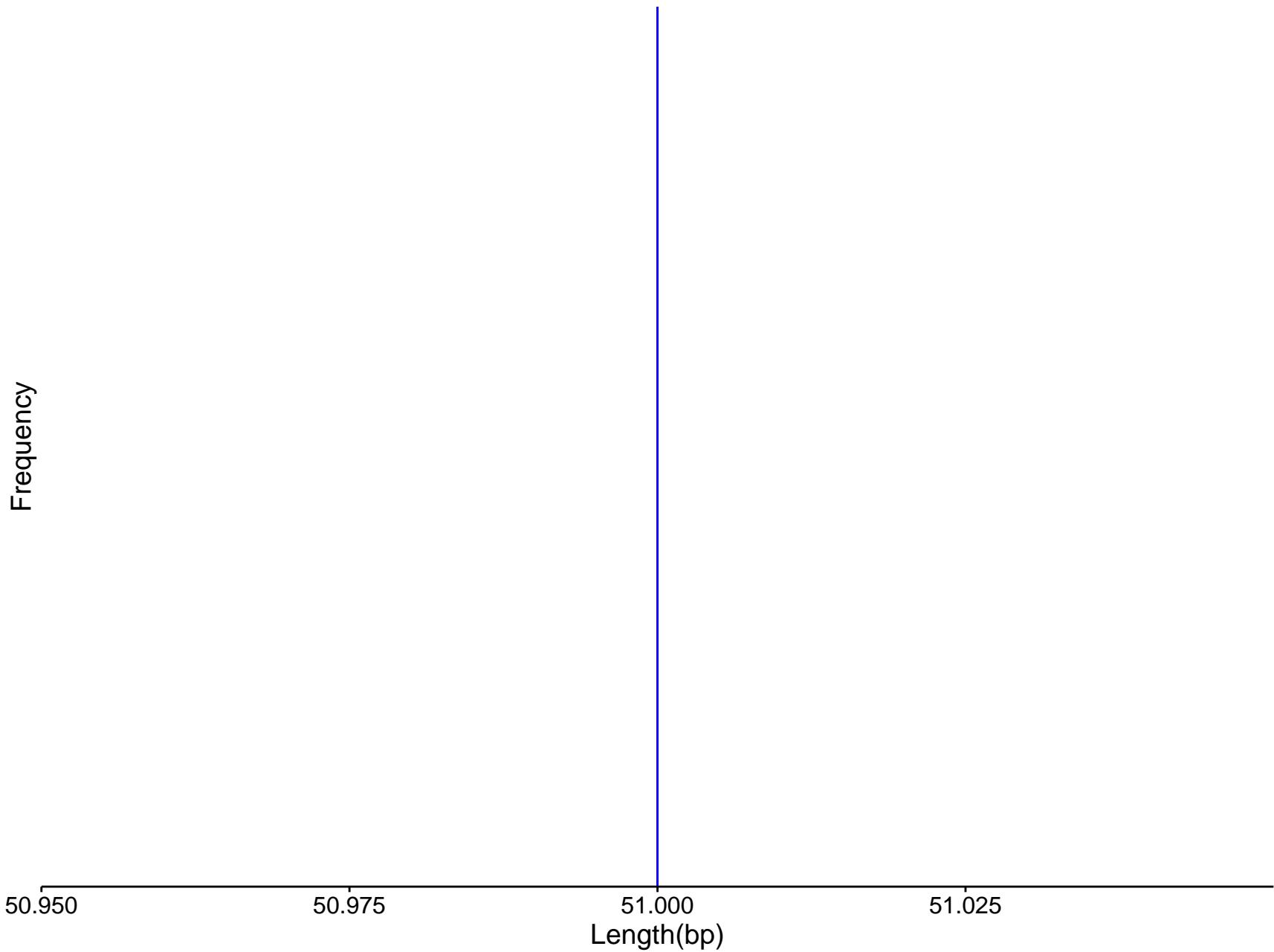
Cluster1863



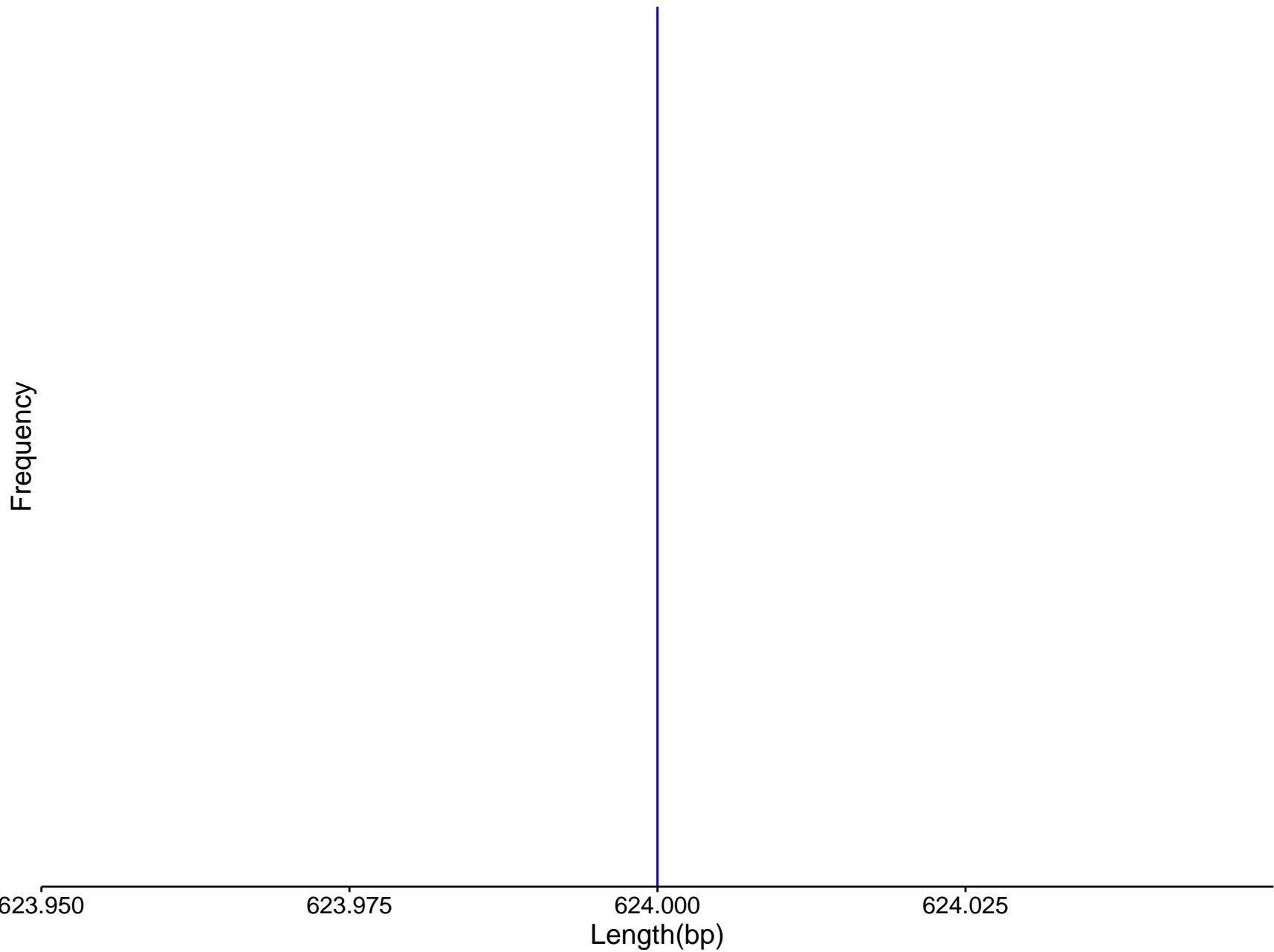
Cluster1864



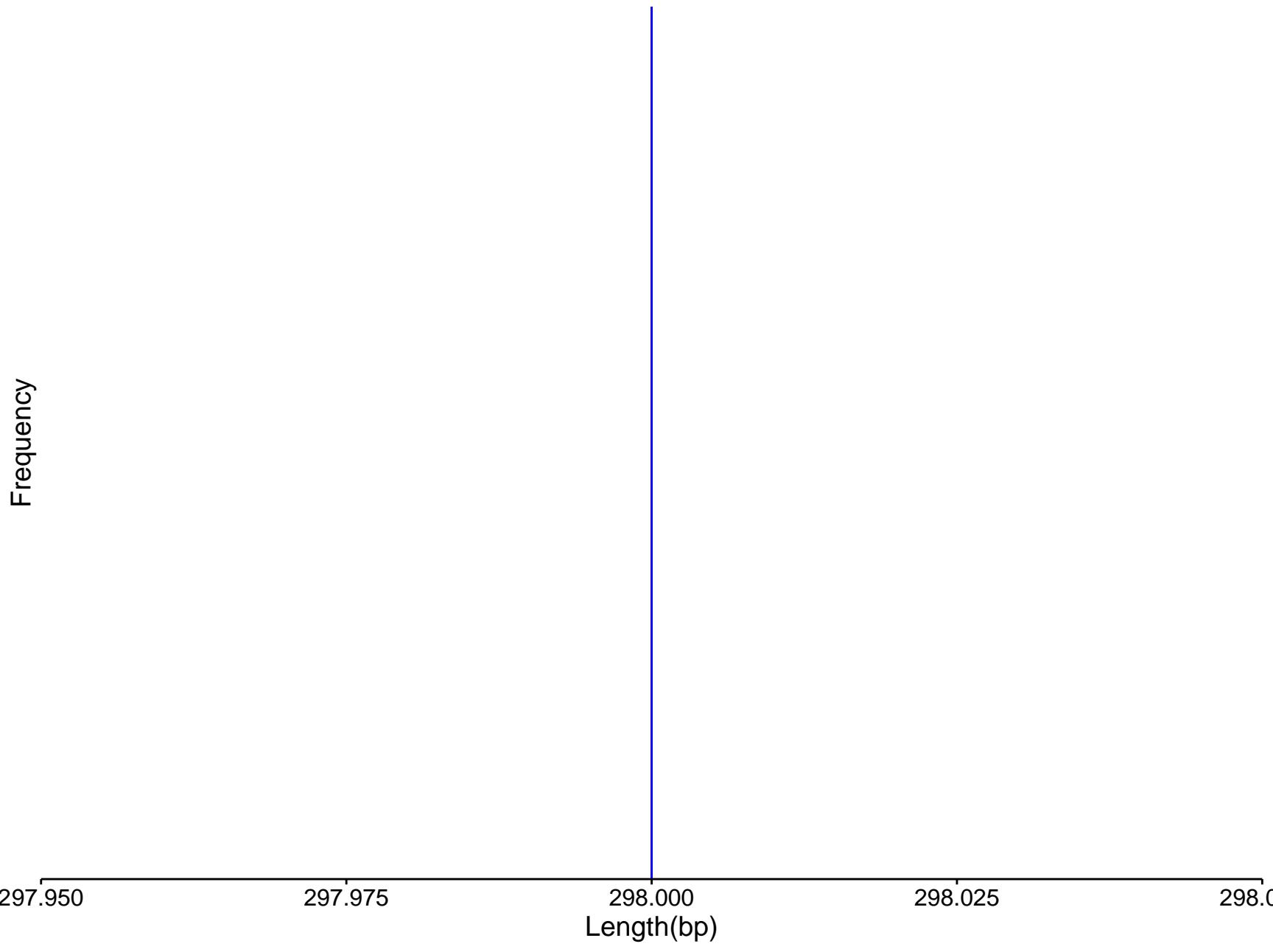
# Cluster1865



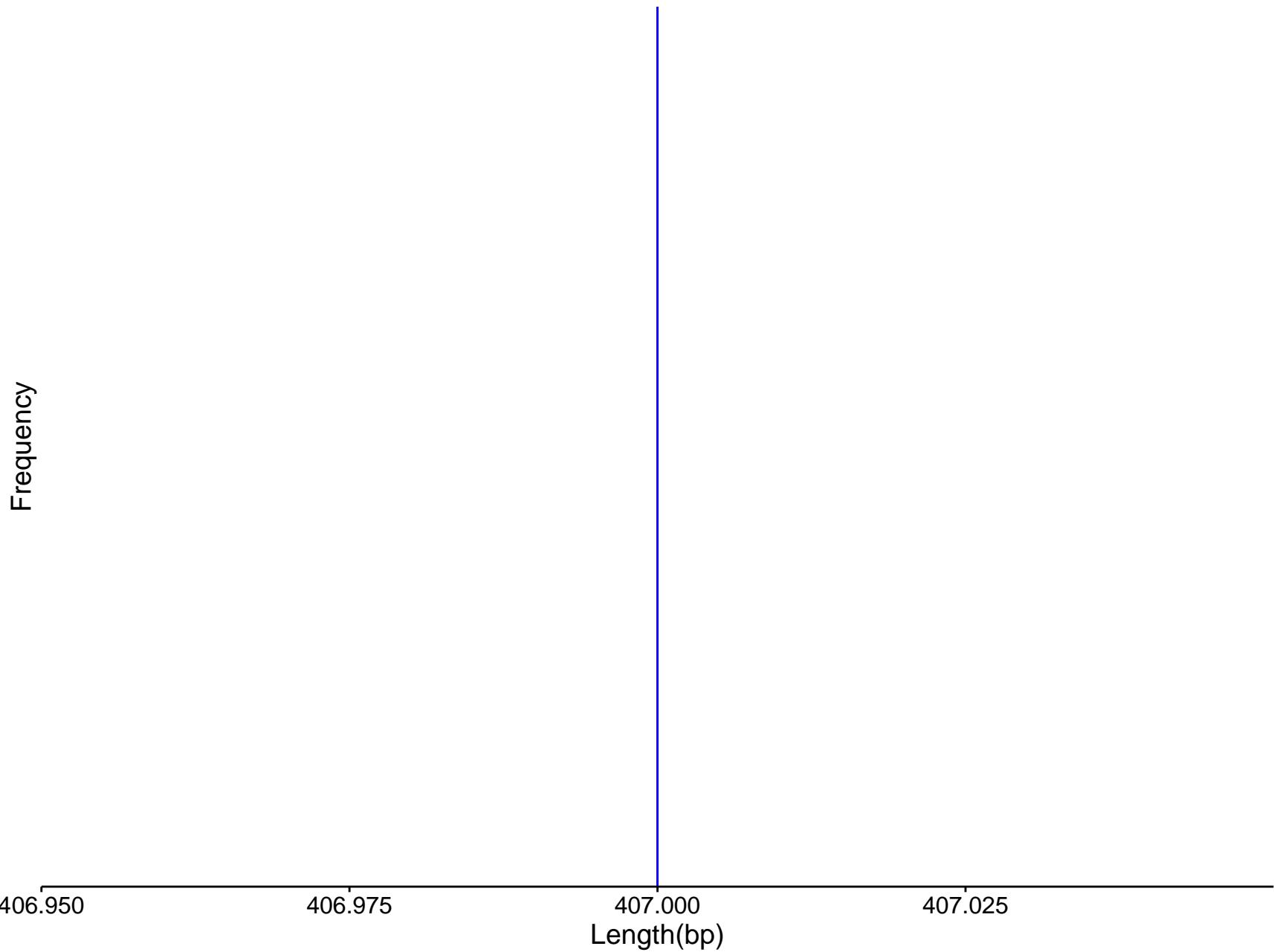
Cluster1866



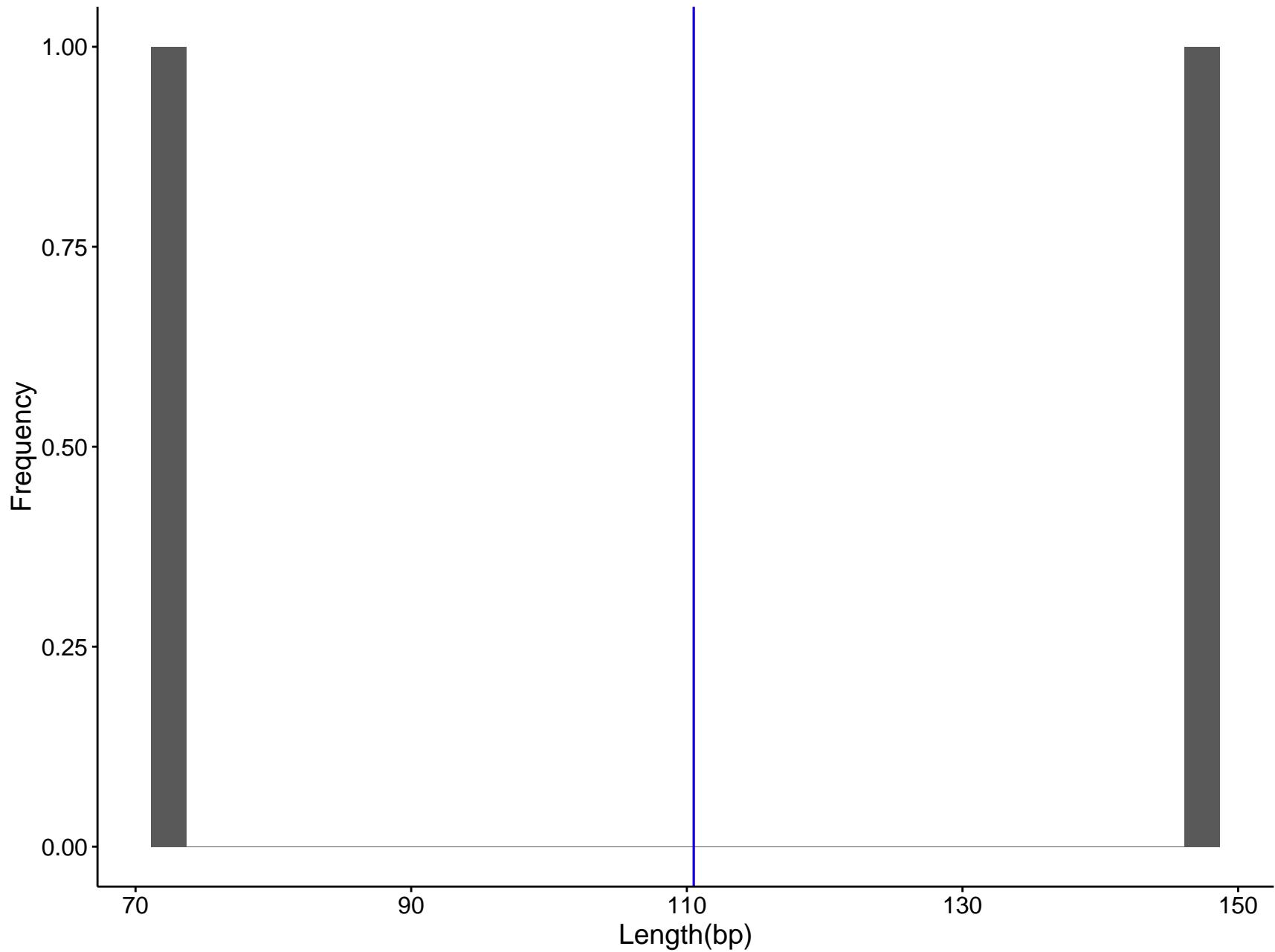
Cluster1867



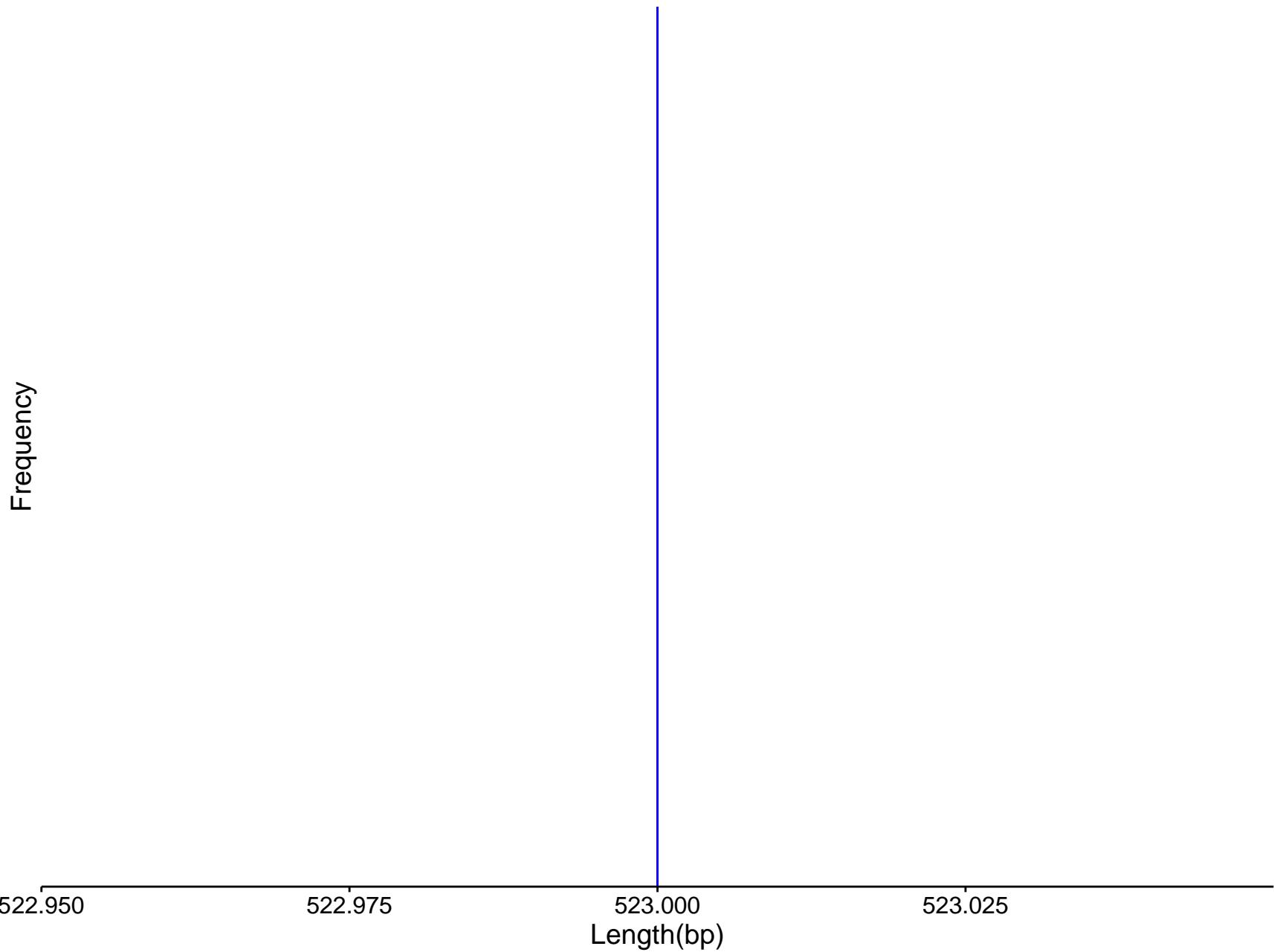
Cluster1869



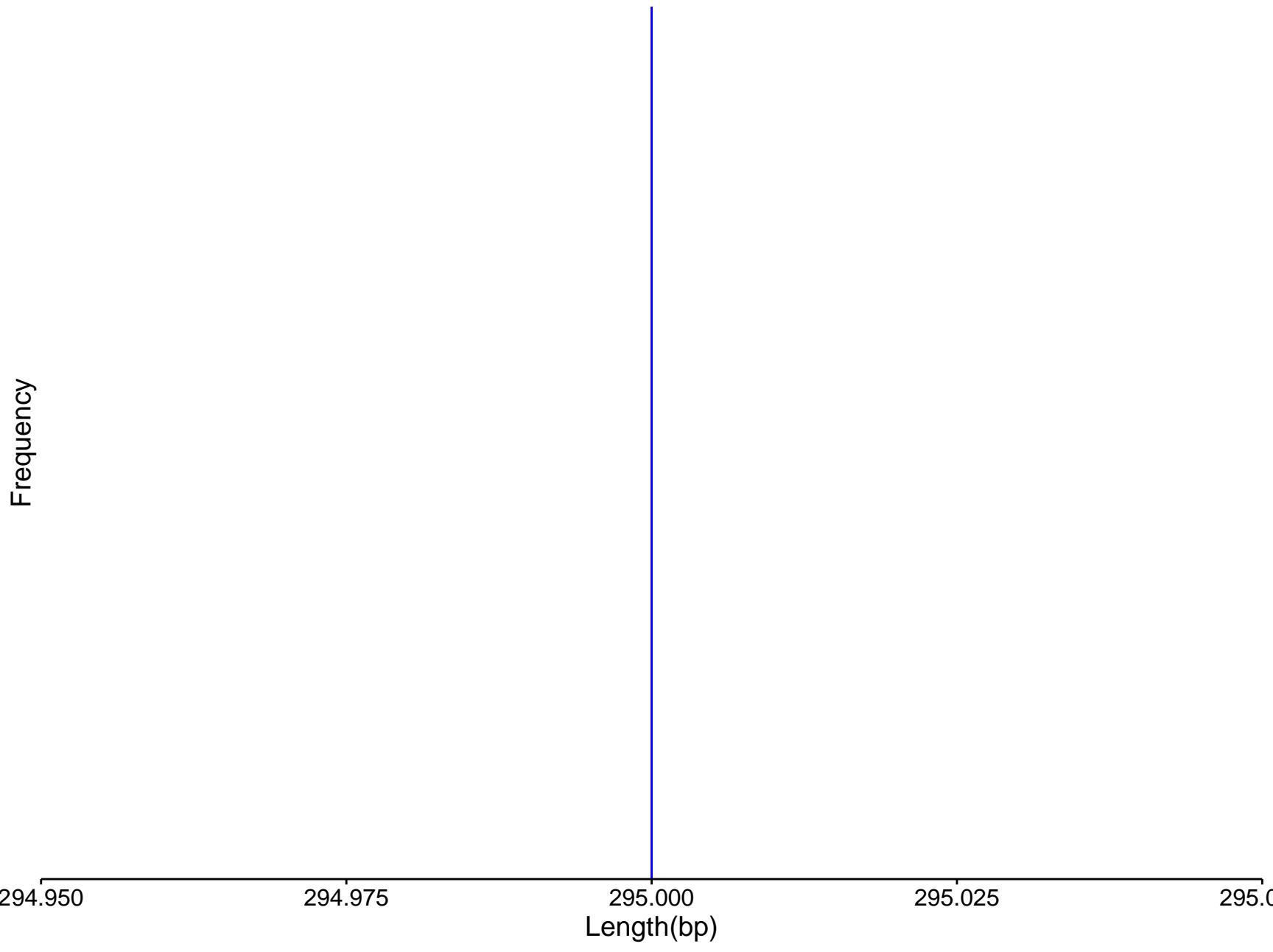
Cluster186



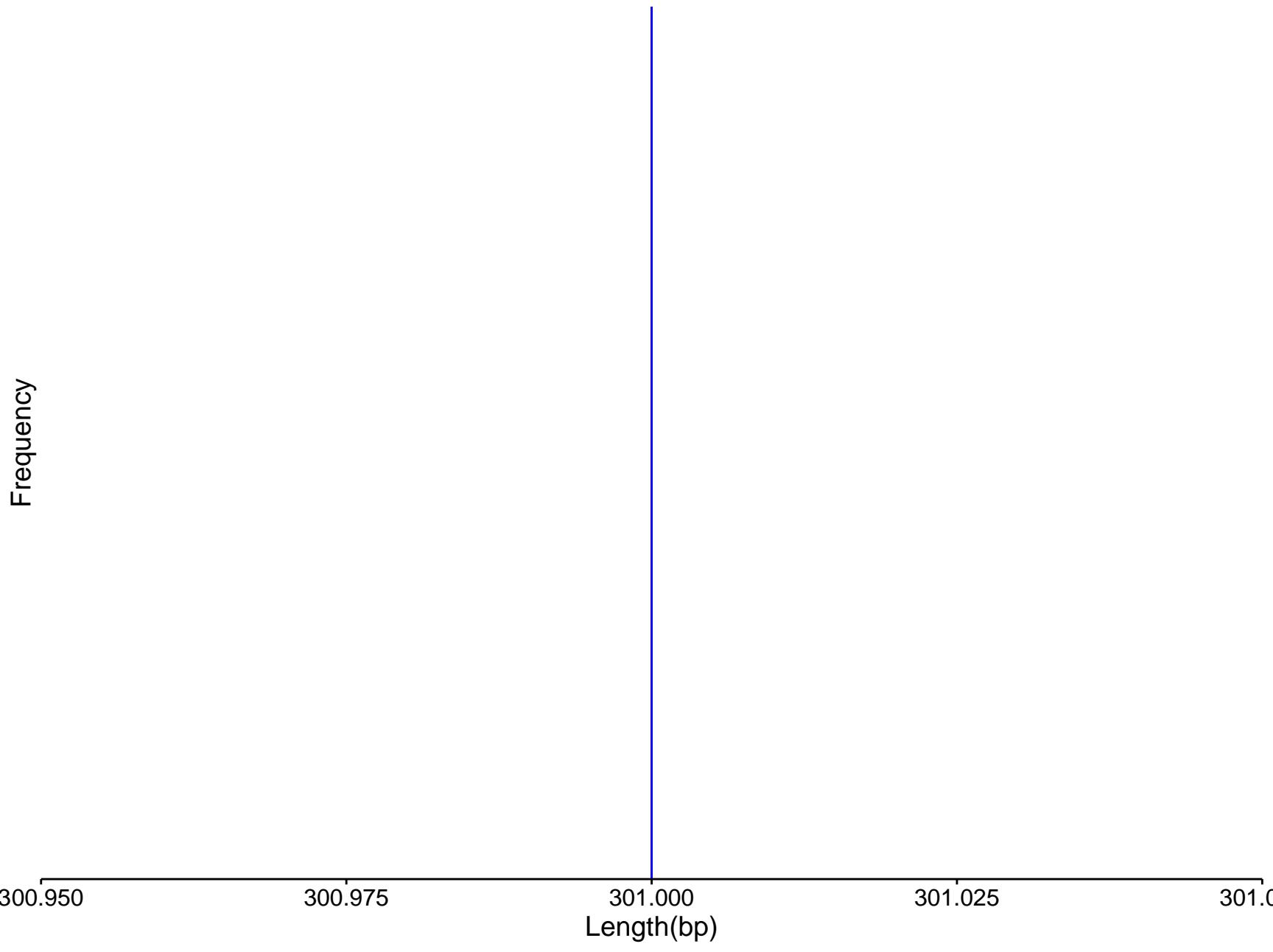
# Cluster1871



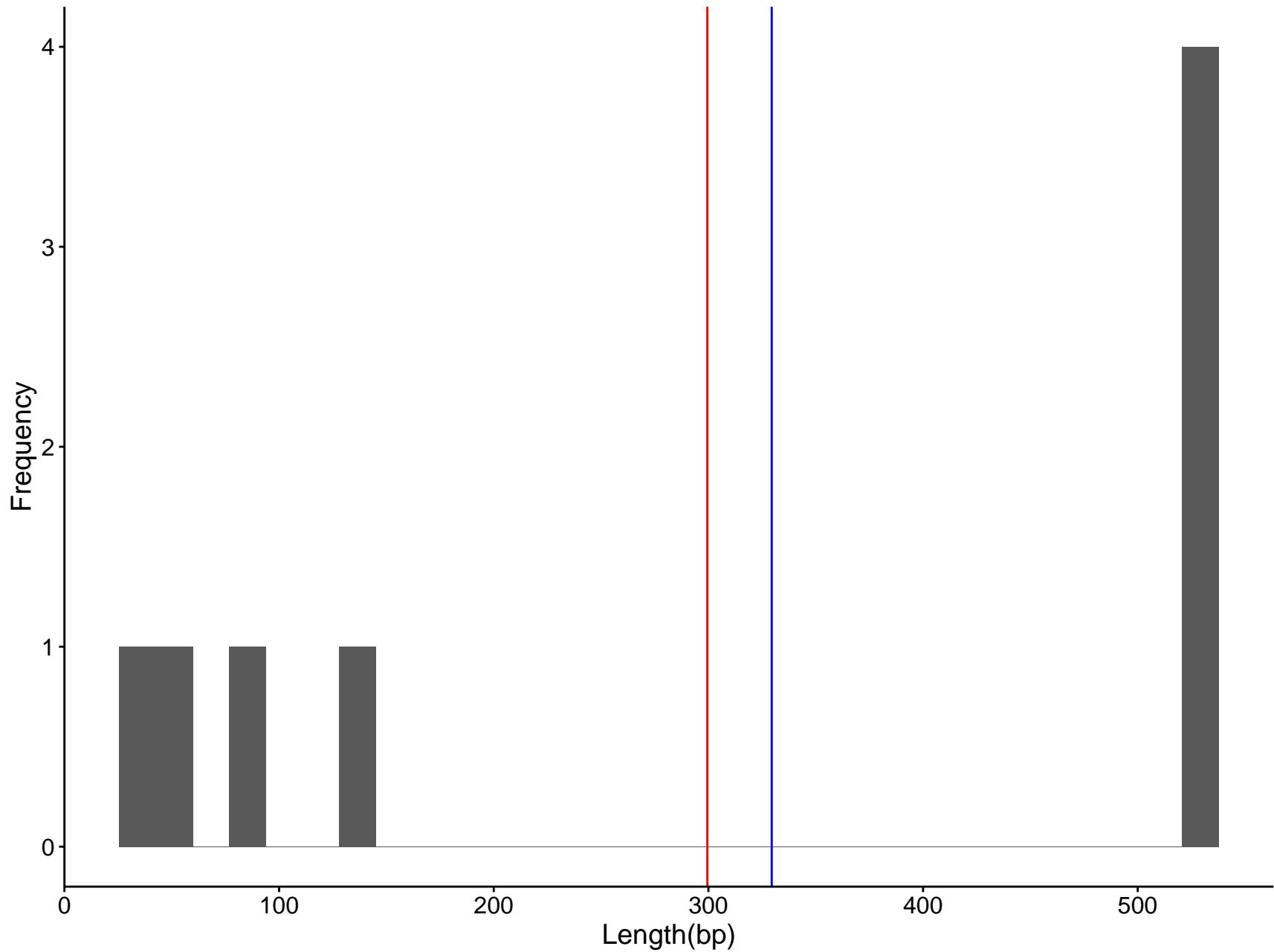
Cluster1872



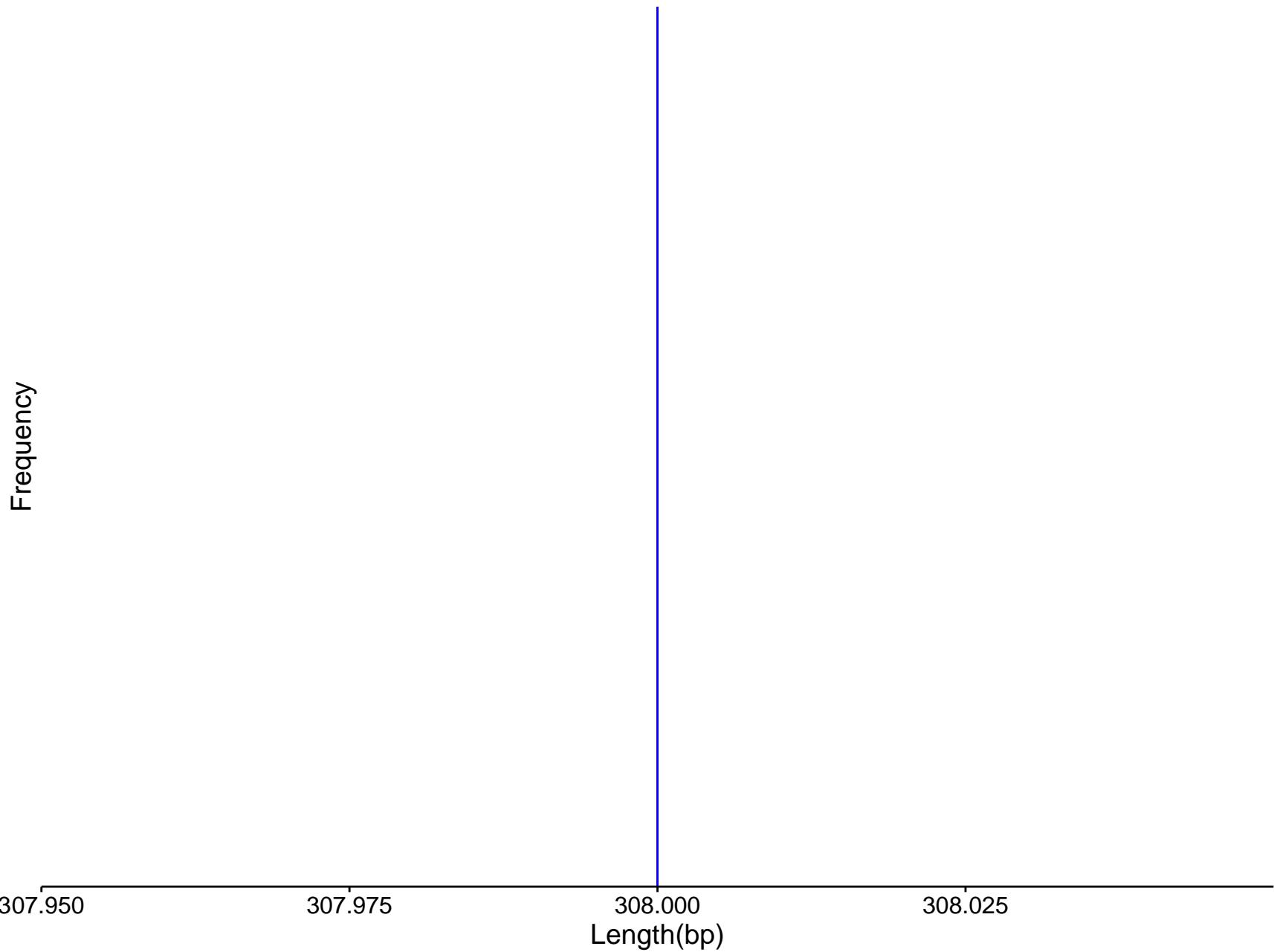
# Cluster1873



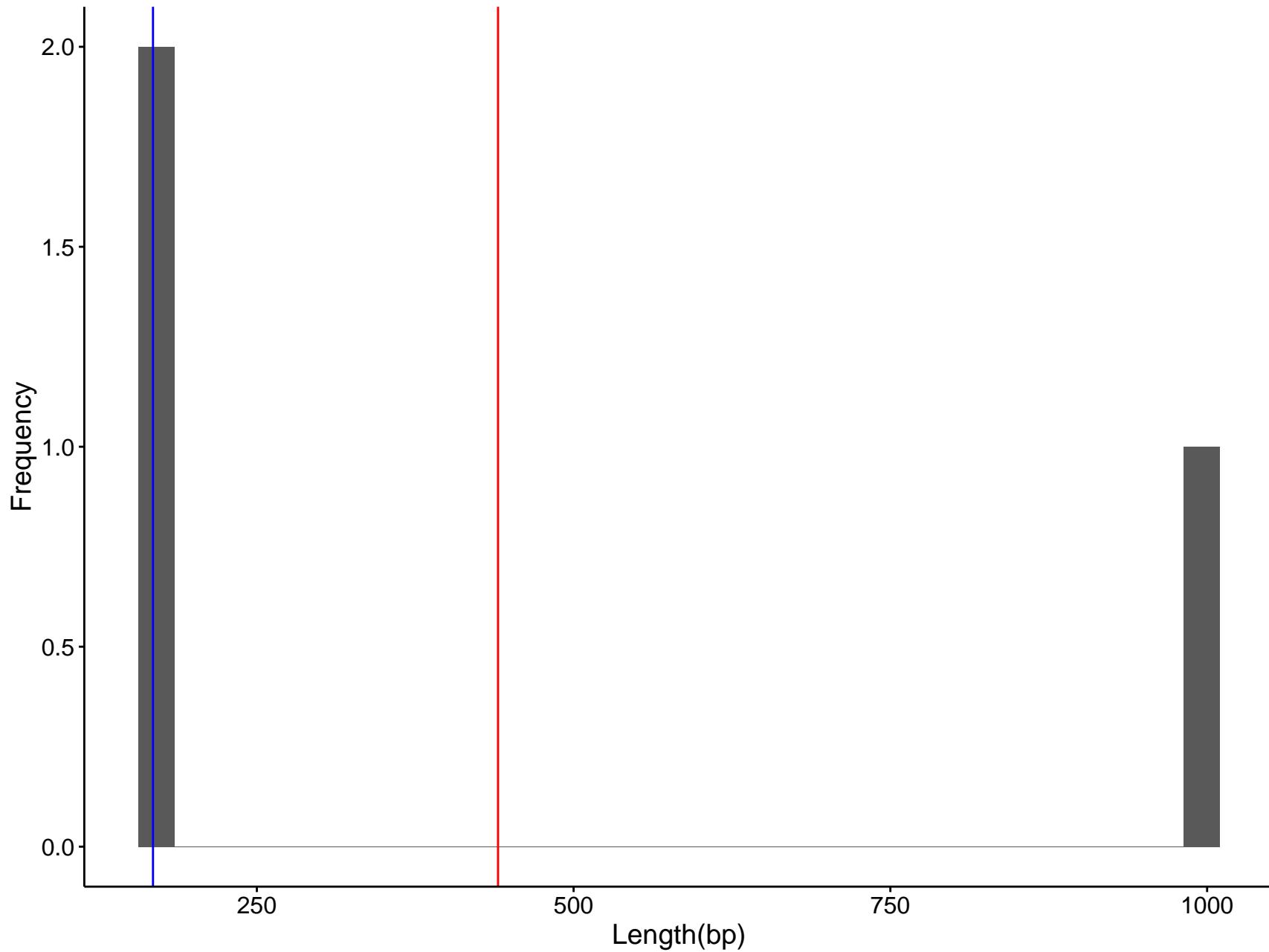
Cluster1874



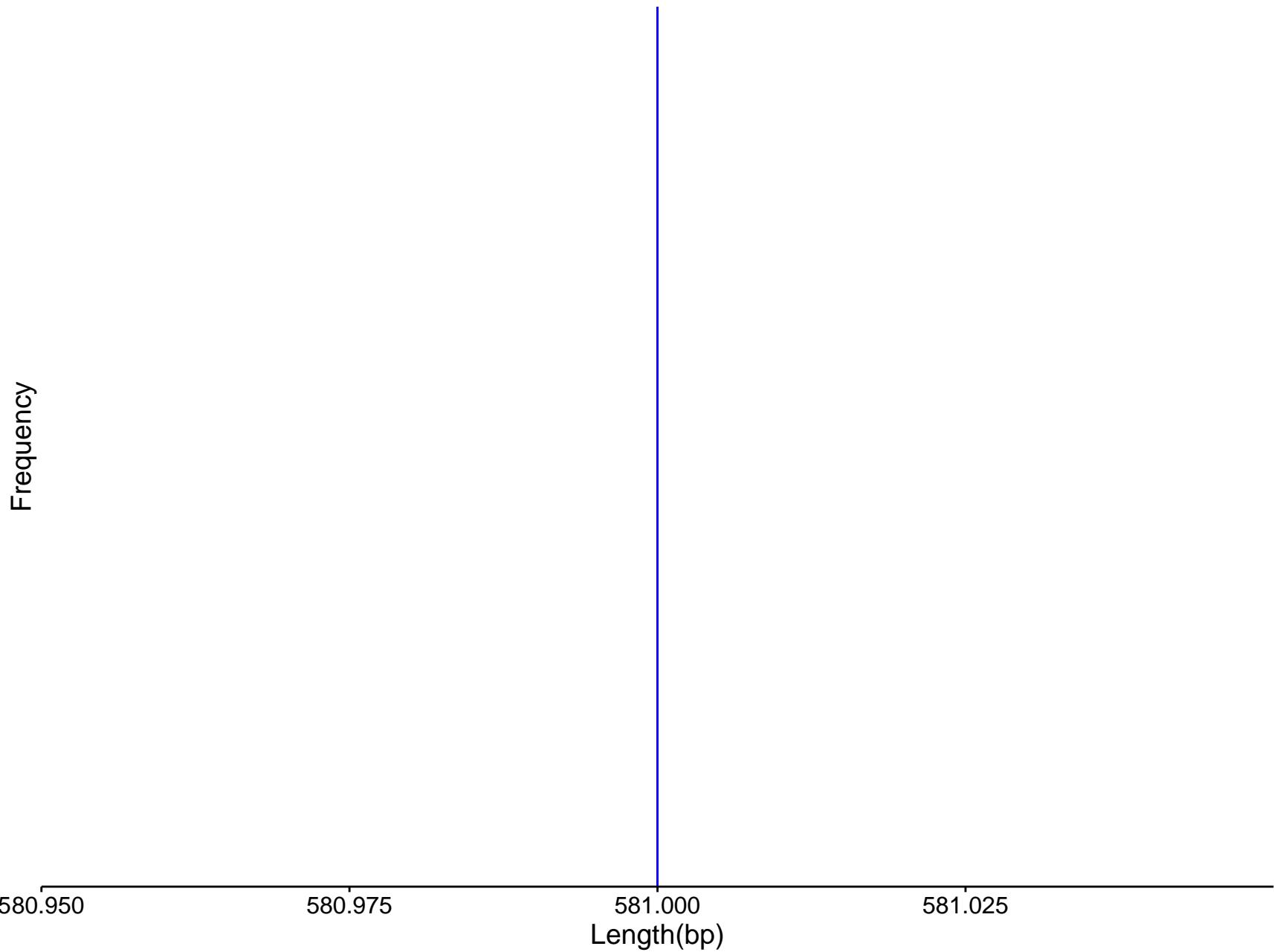
Cluster1875



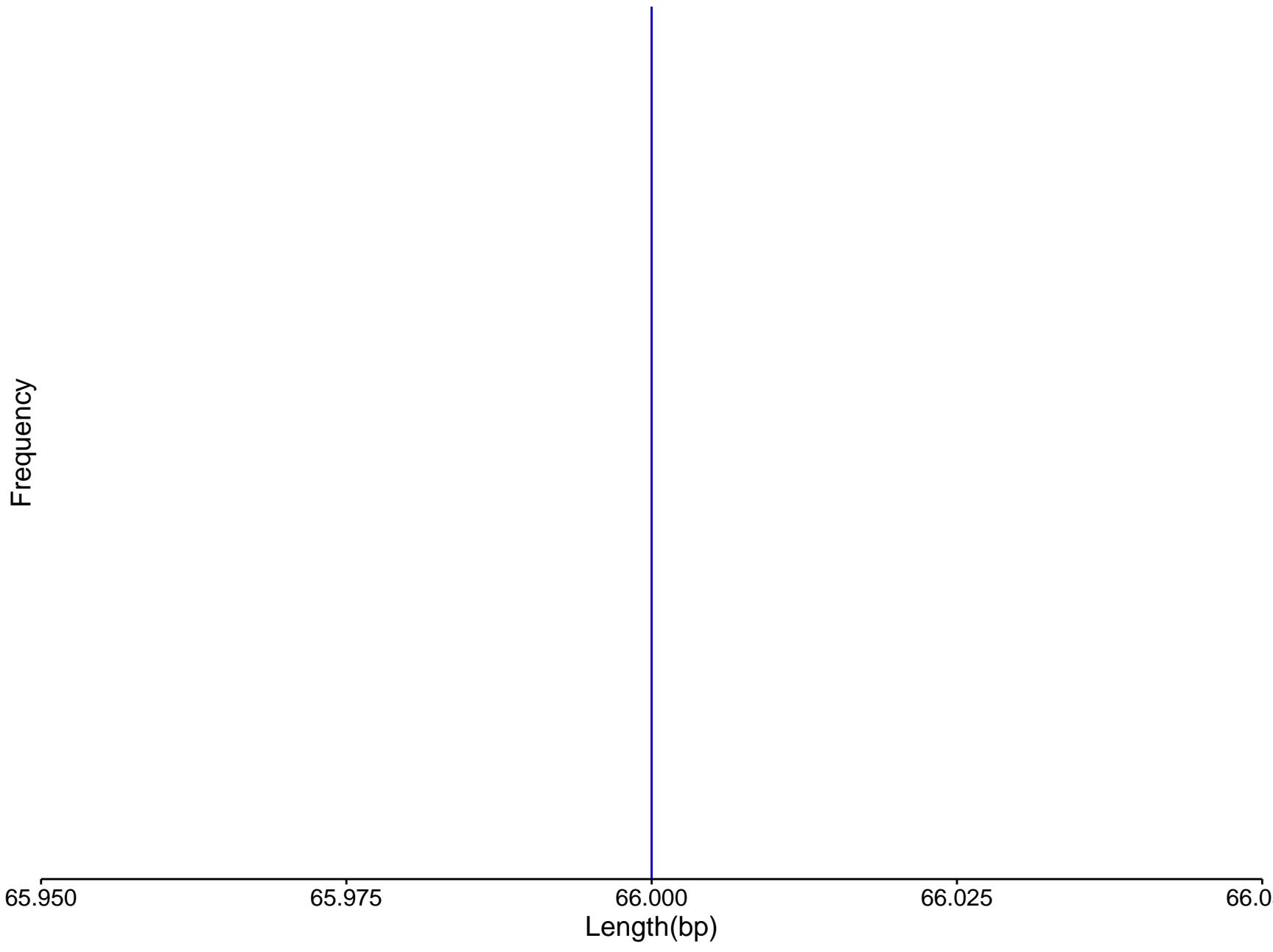
Cluster1876



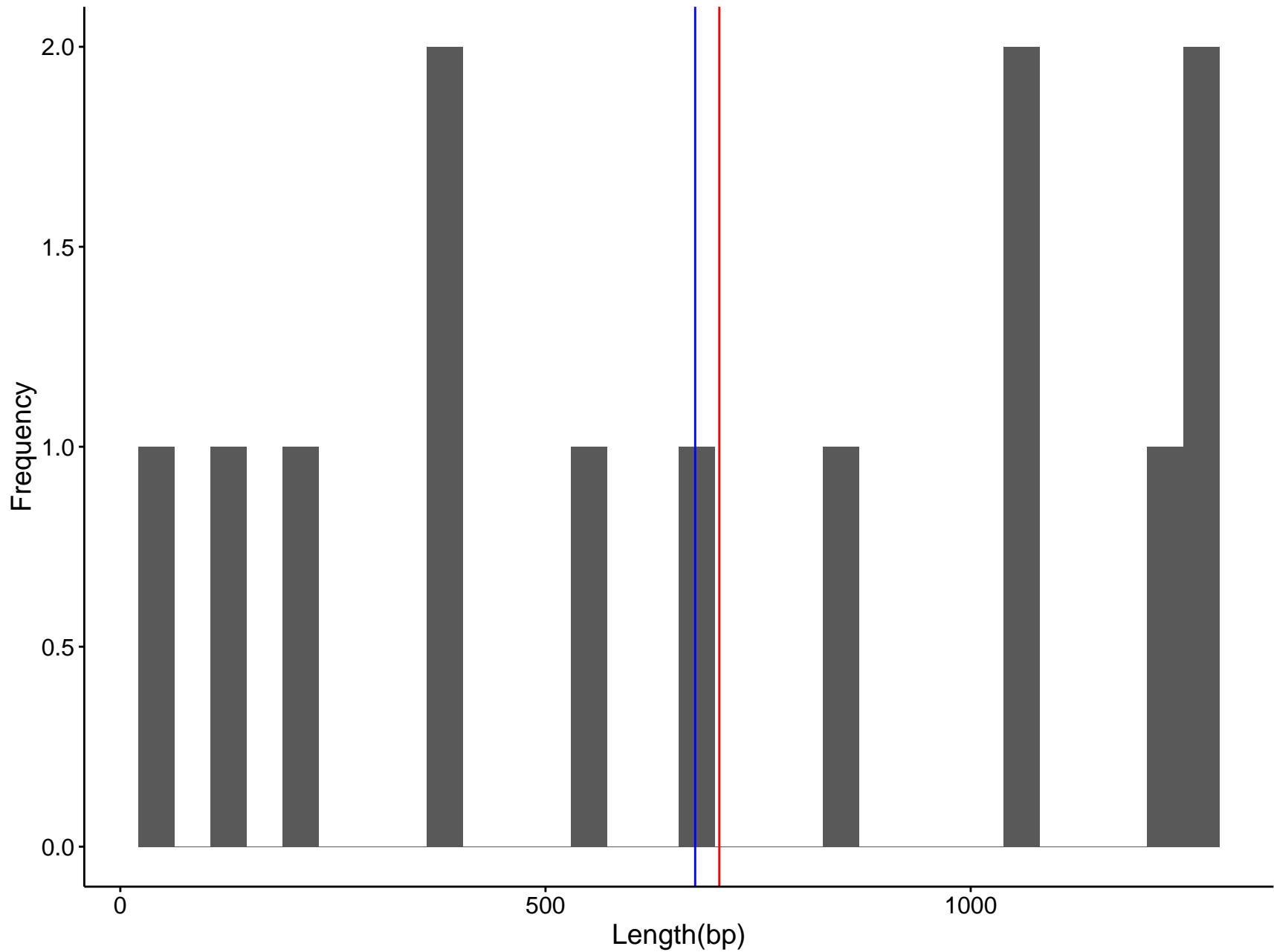
# Cluster1877



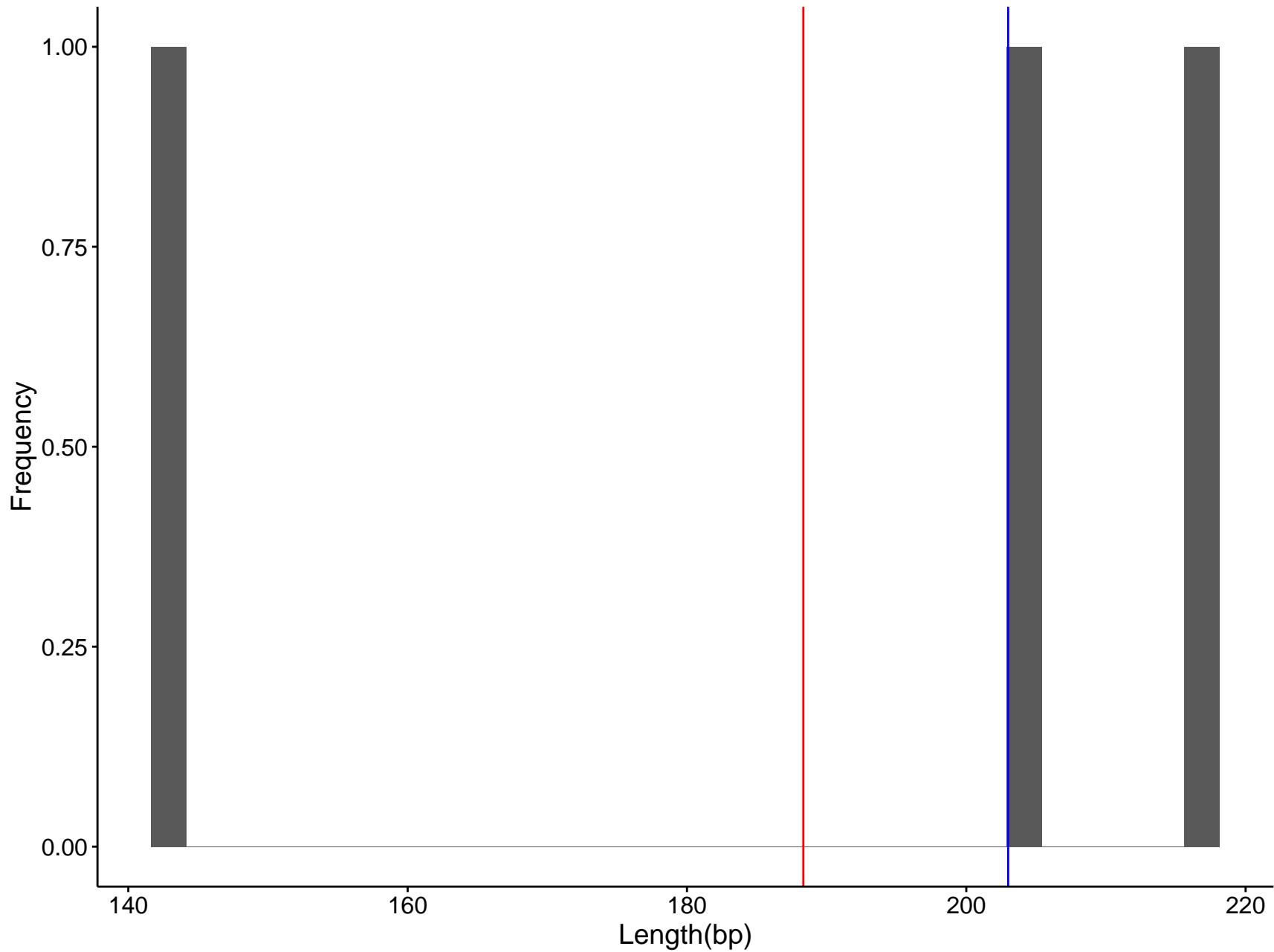
# Cluster1878



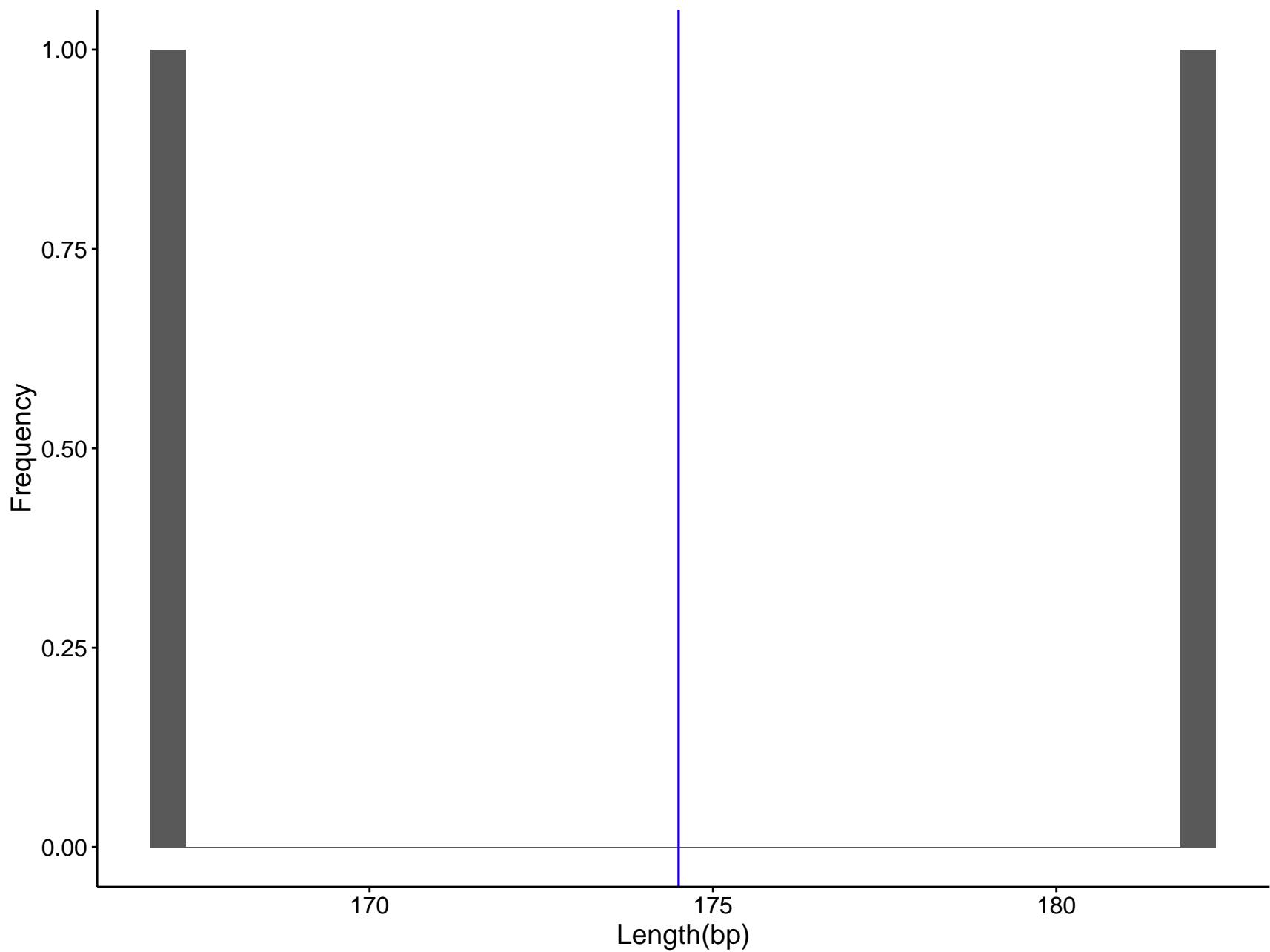
Cluster1879



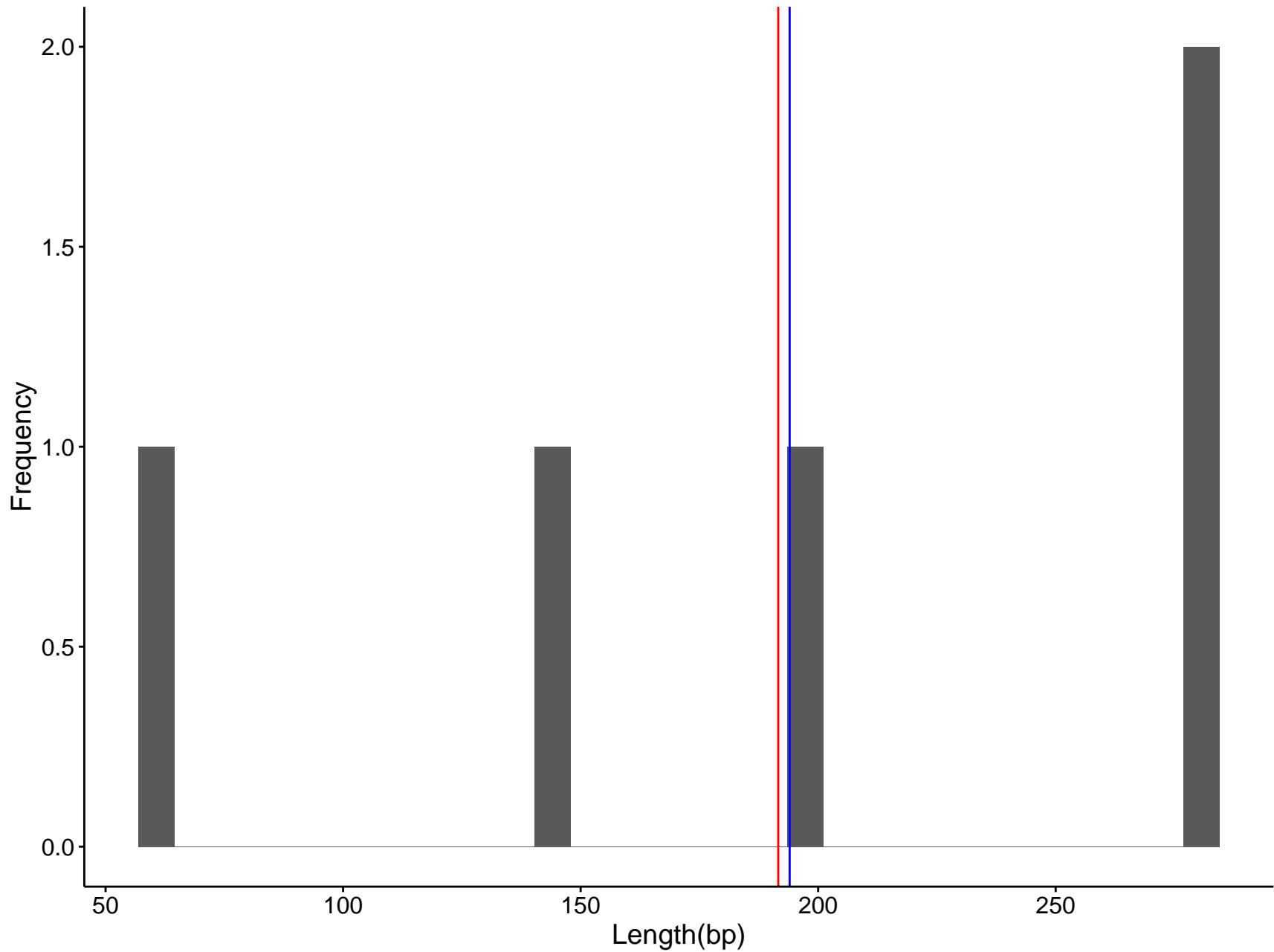
Cluster187



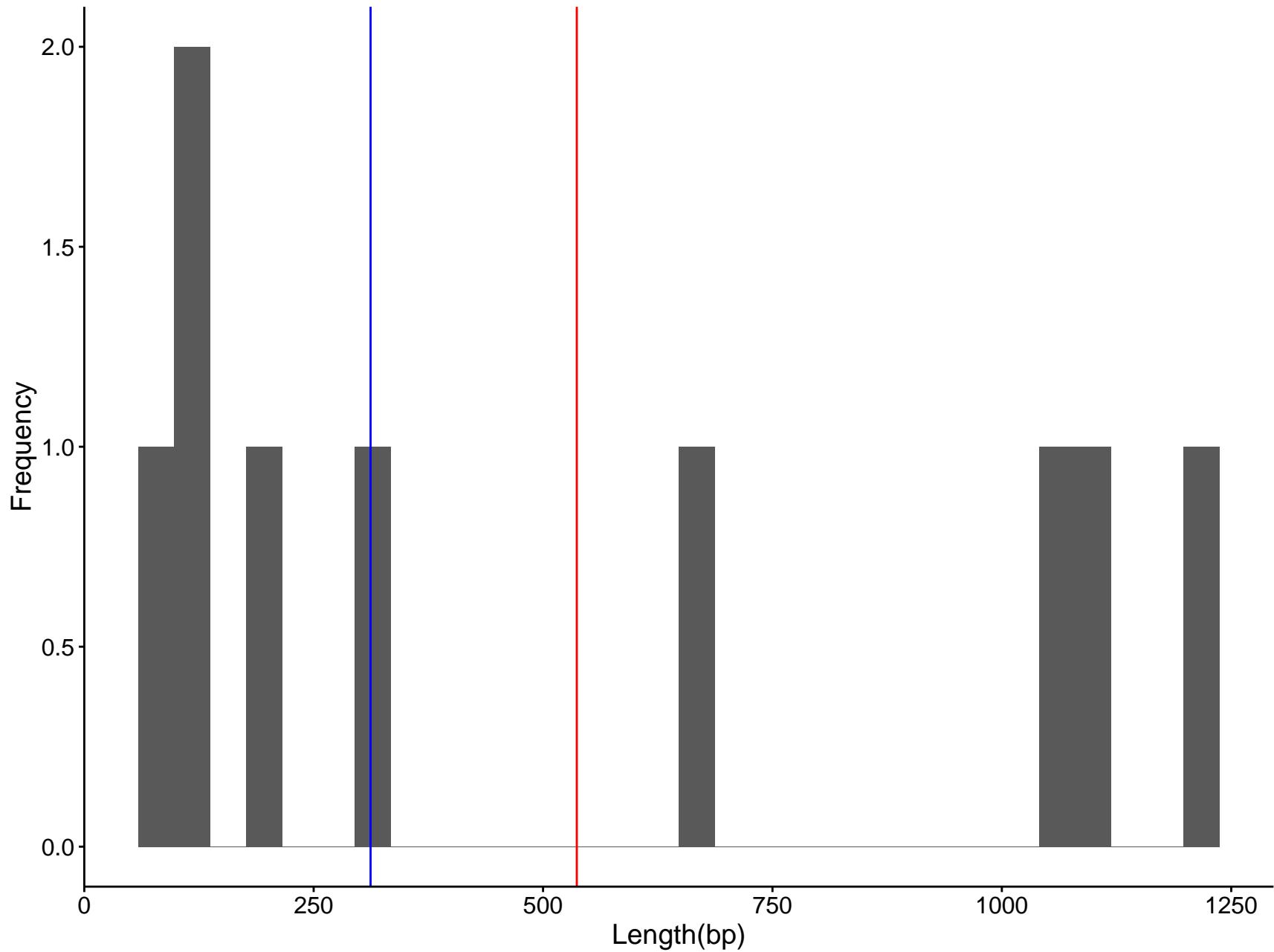
Cluster1880



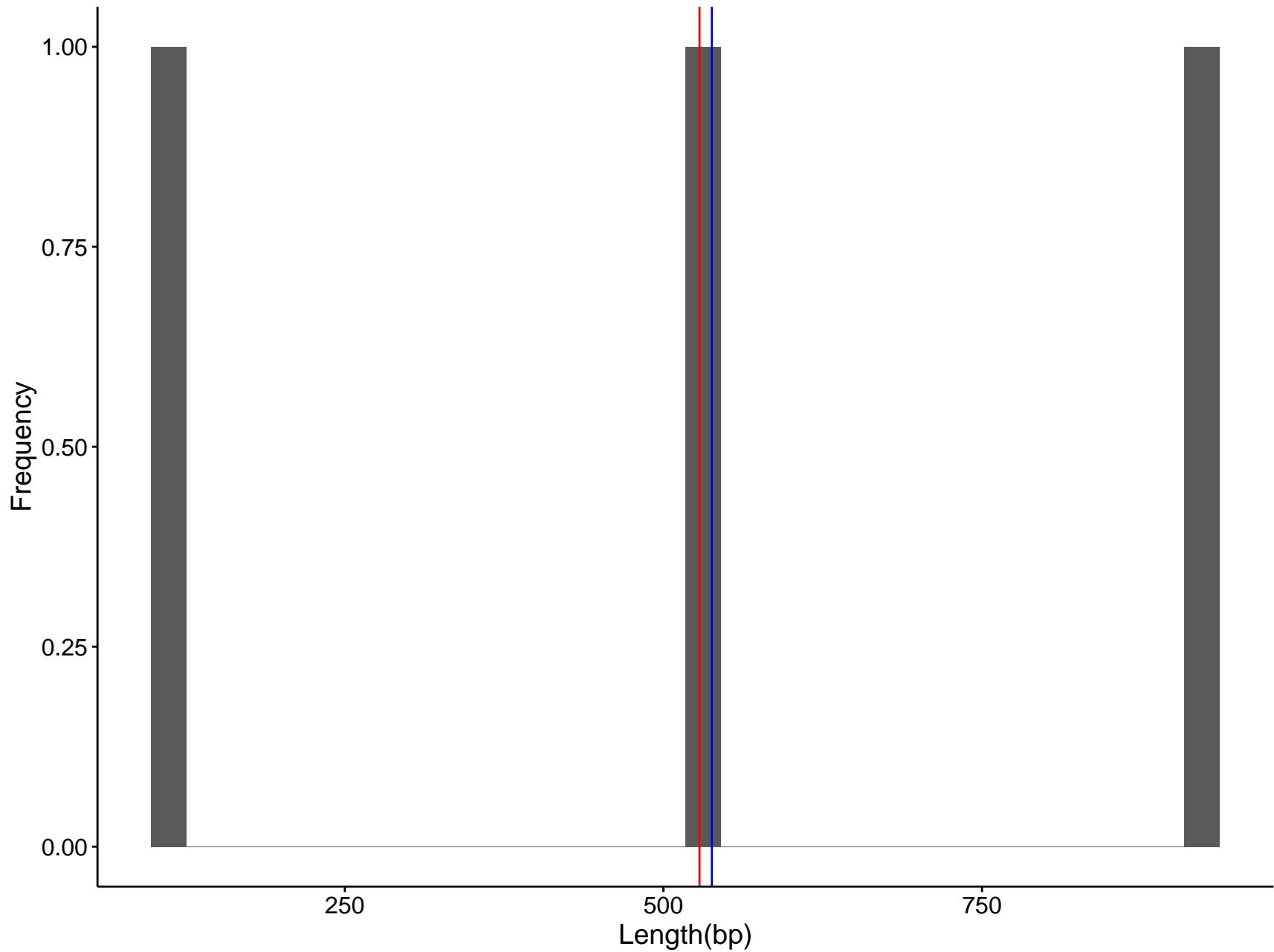
Cluster1881



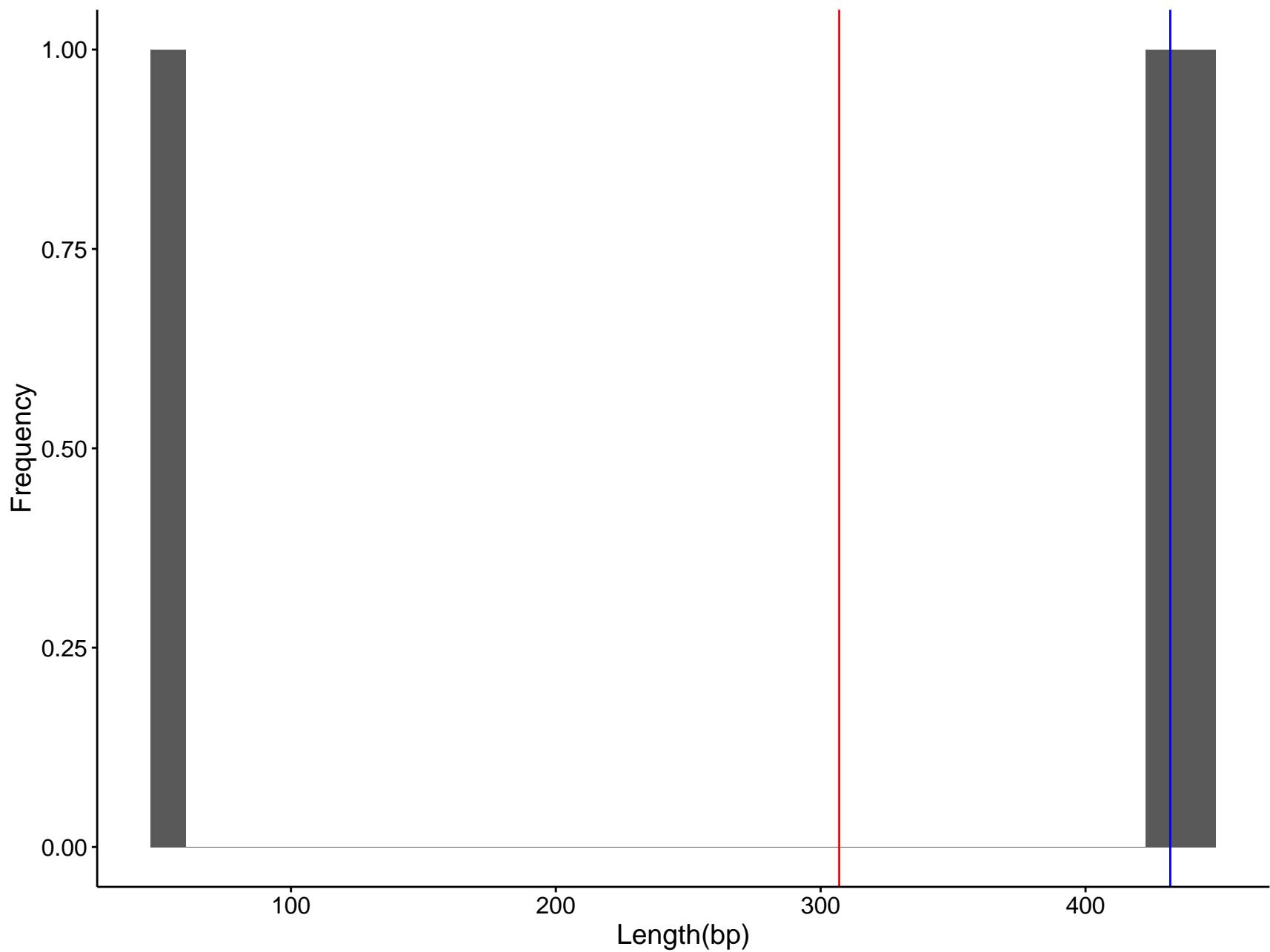
Cluster1882



Cluster1884



Cluster1885



# Cluster1886

Frequency

519.950

519.975

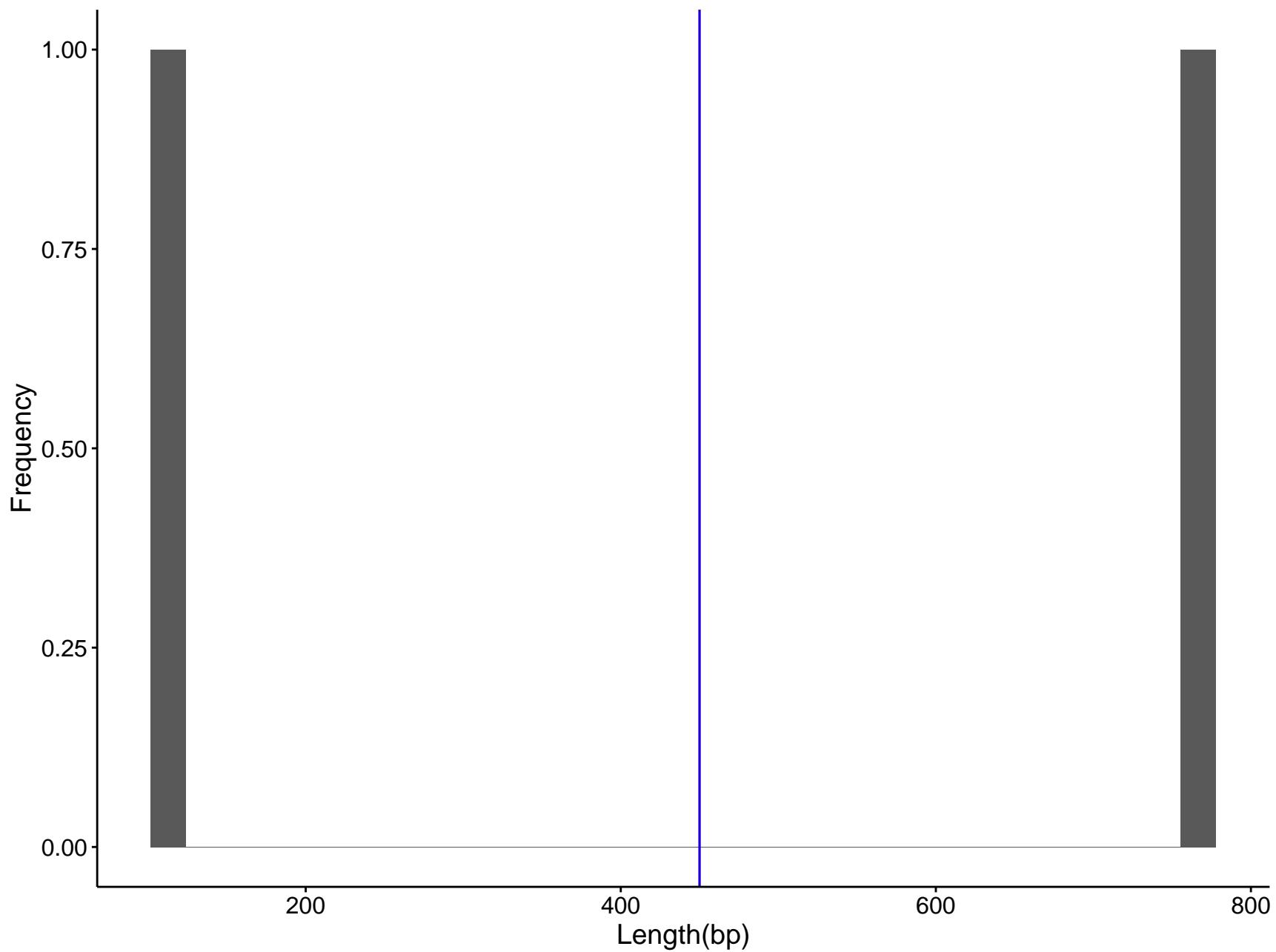
520.000

520.025

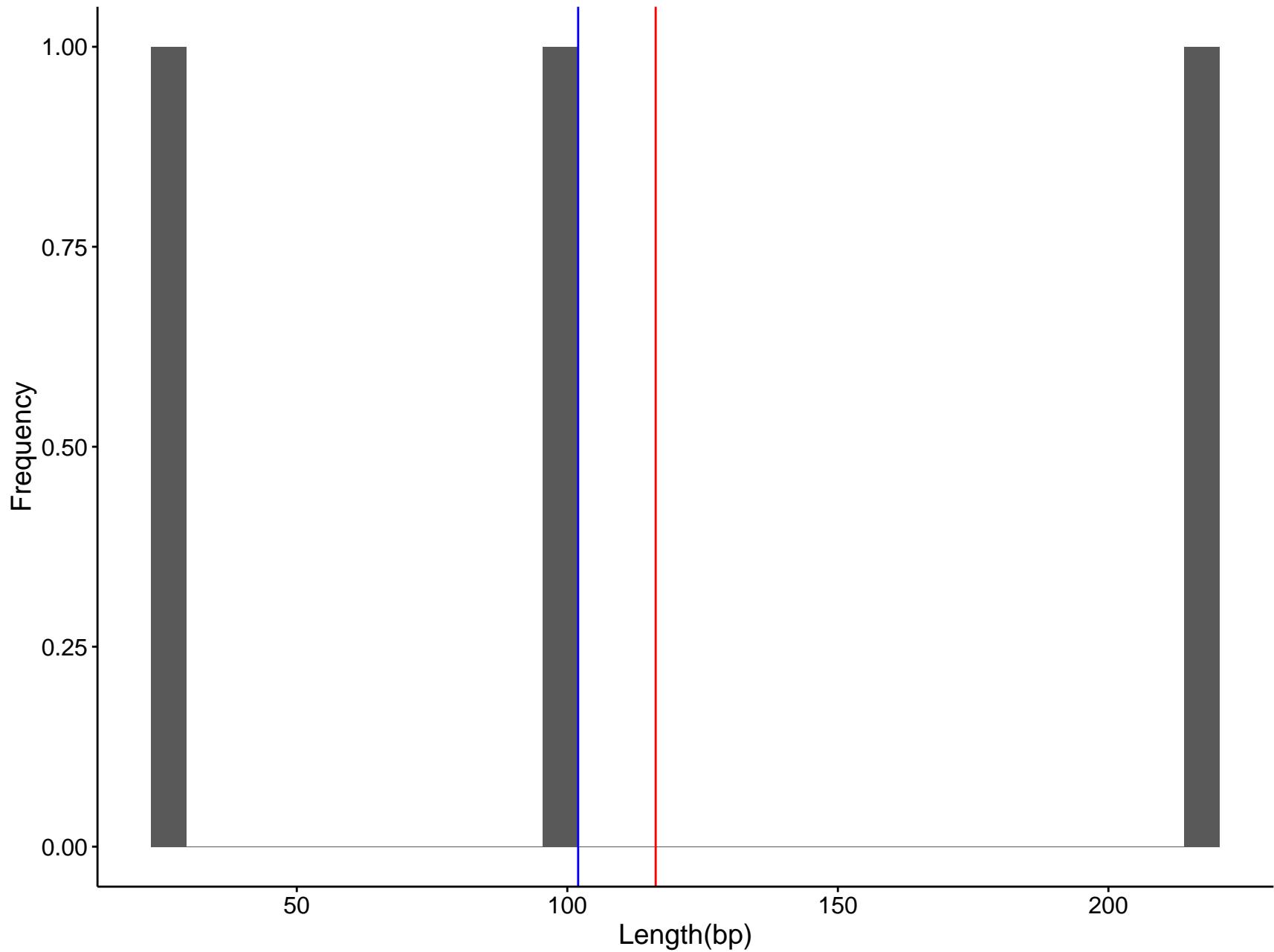
Length(bp)



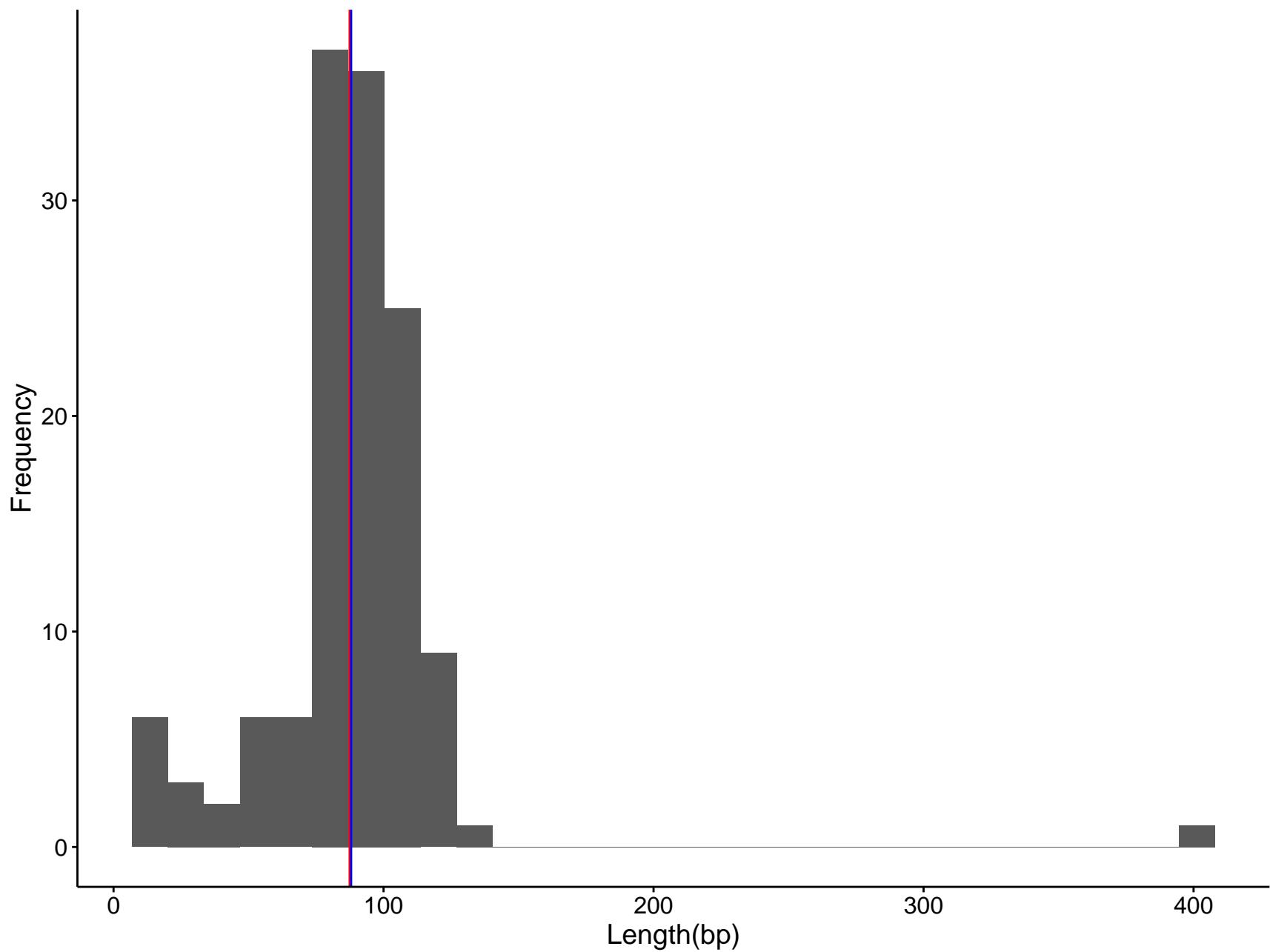
Cluster1887



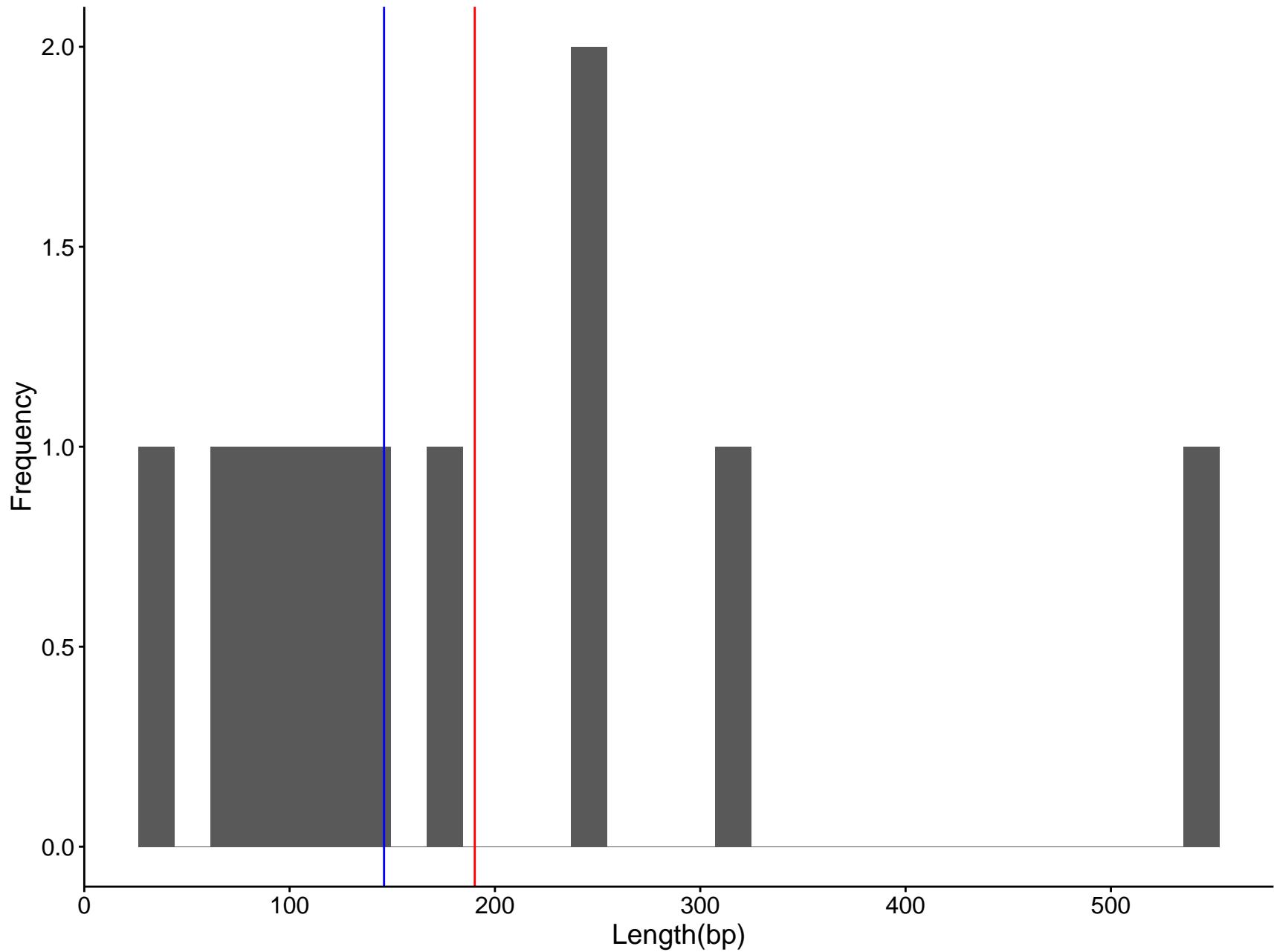
Cluster1888



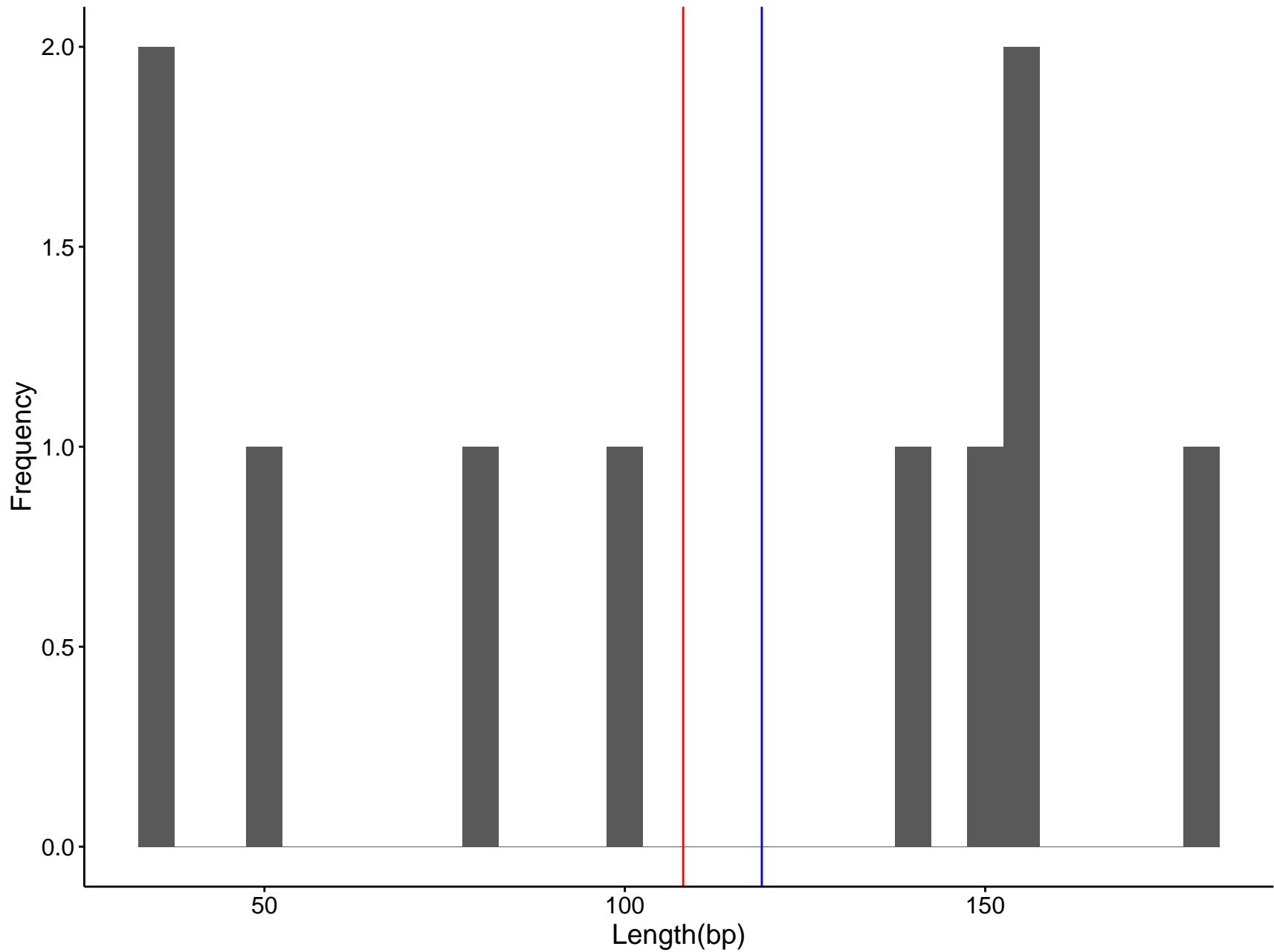
Cluster1889



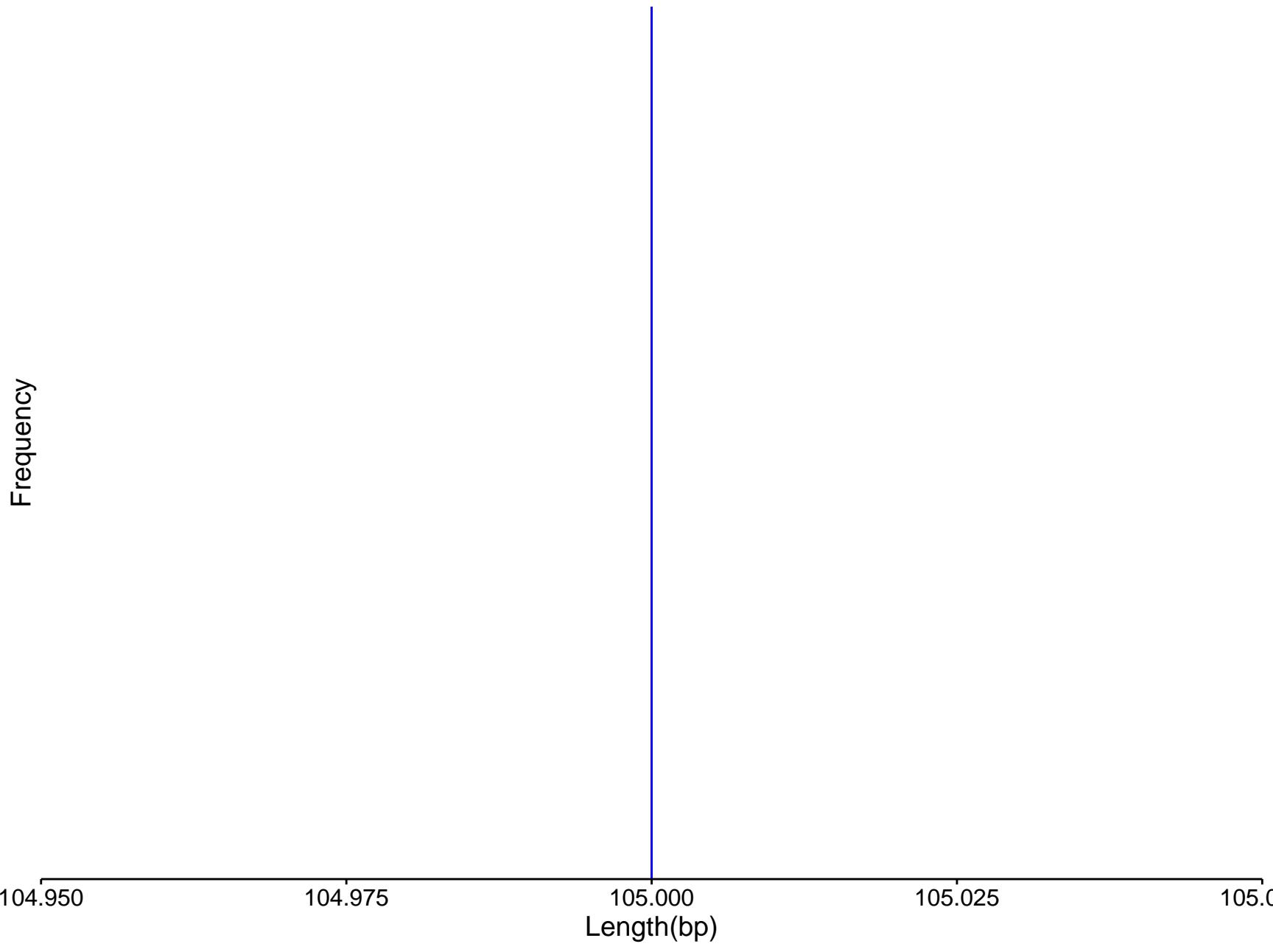
Cluster188



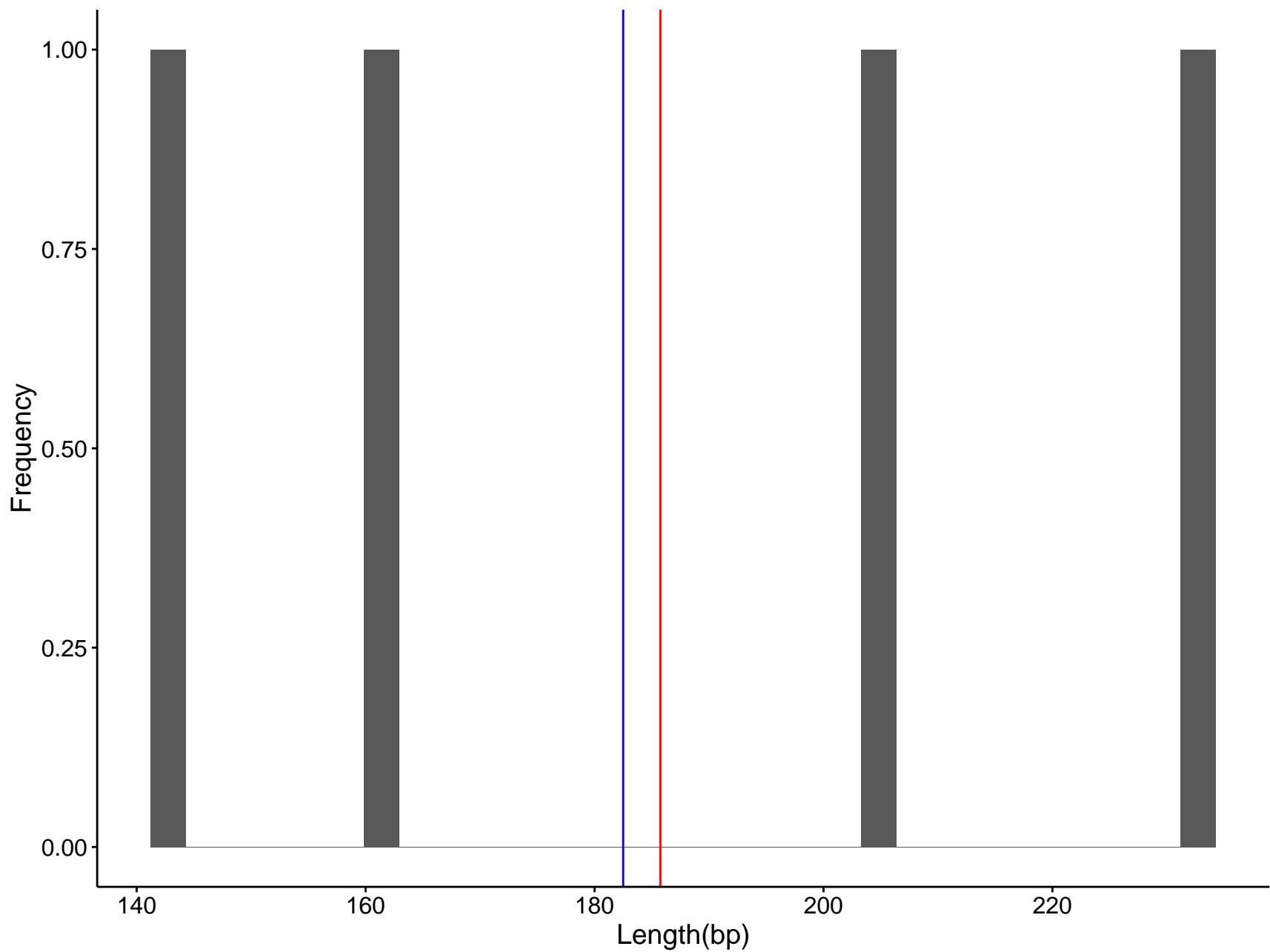
Cluster1893



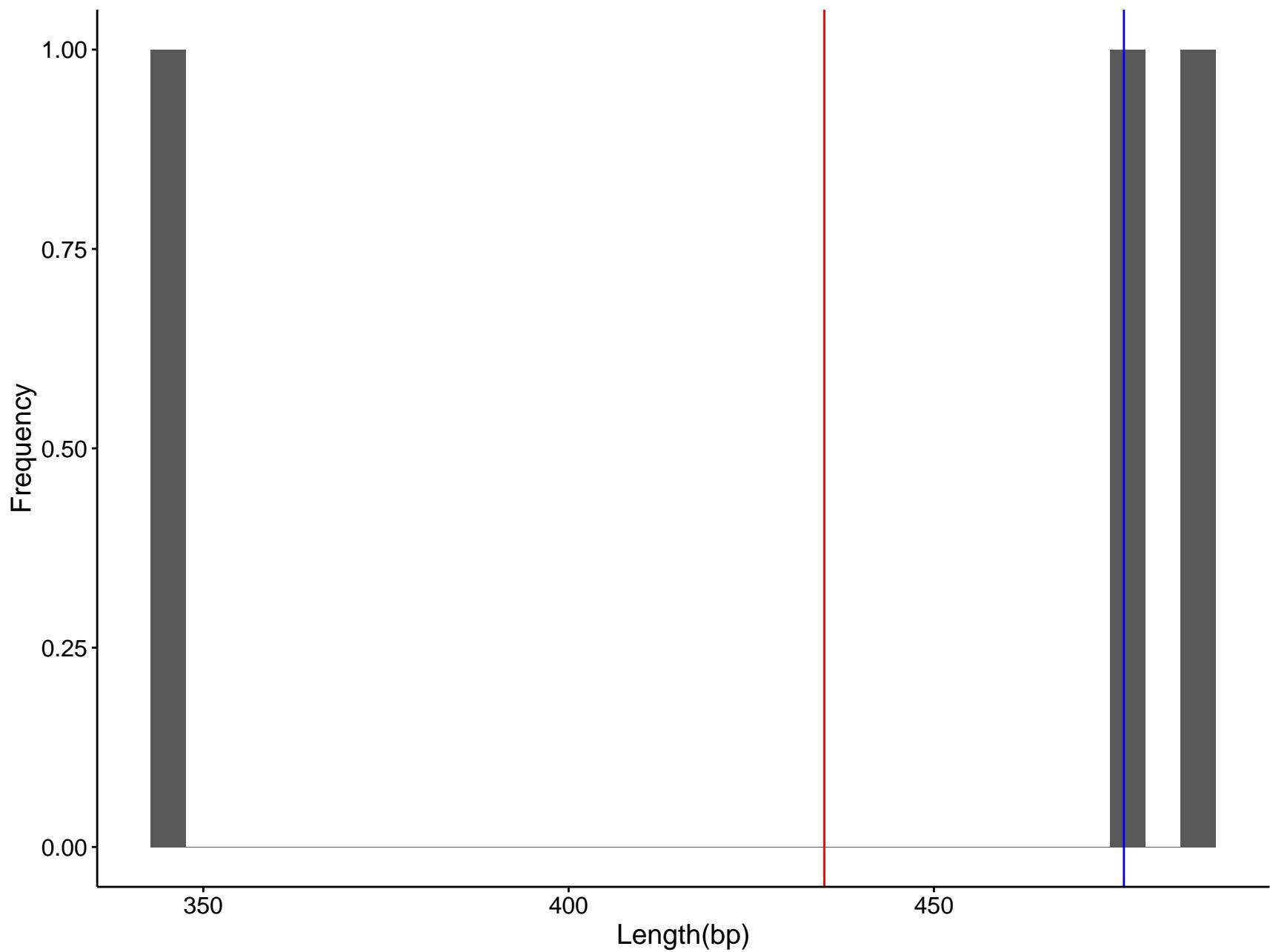
# Cluster1894



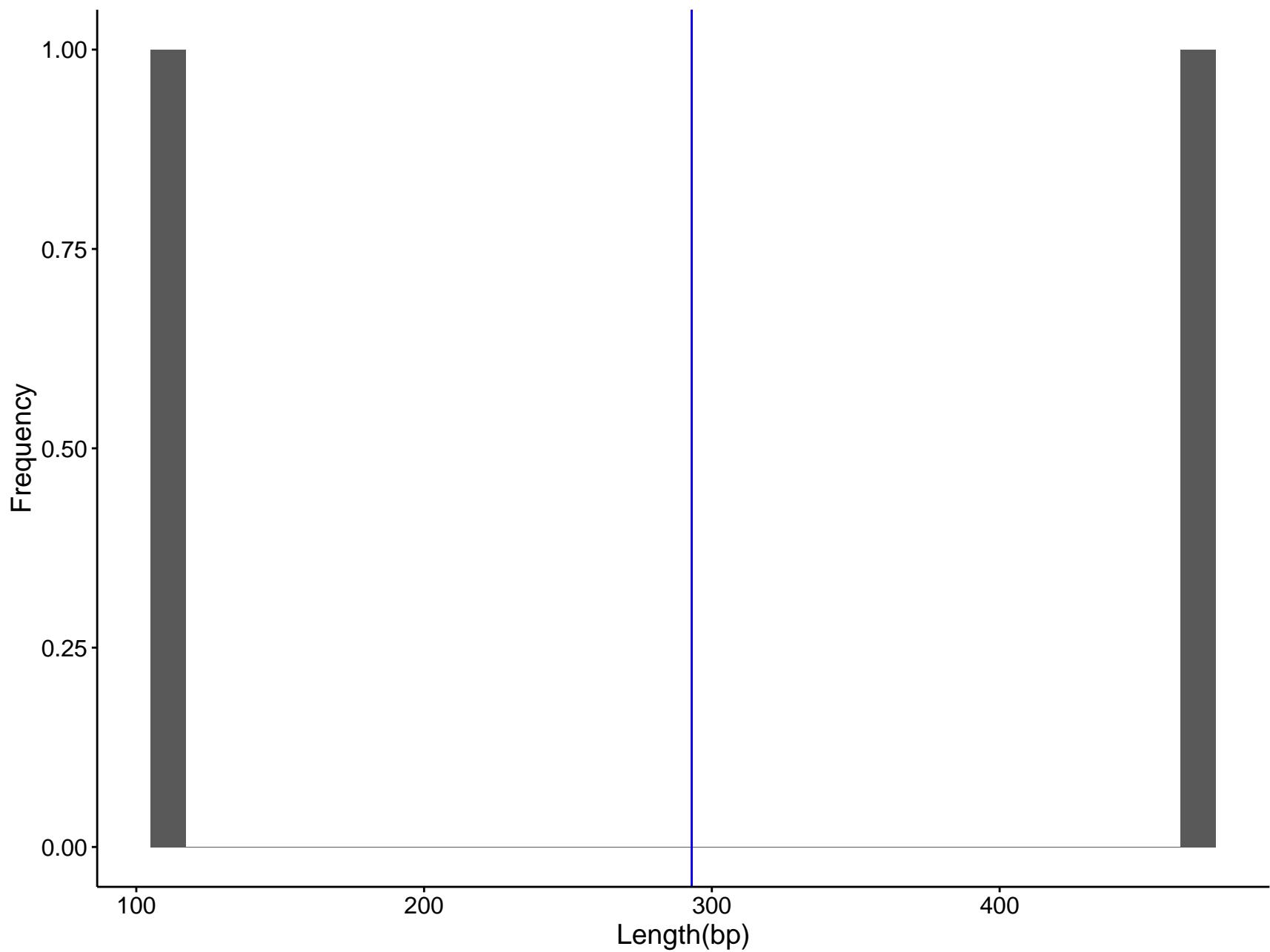
Cluster1895



Cluster1896



Cluster189



# Cluster1901

Frequency

50.950

50.975

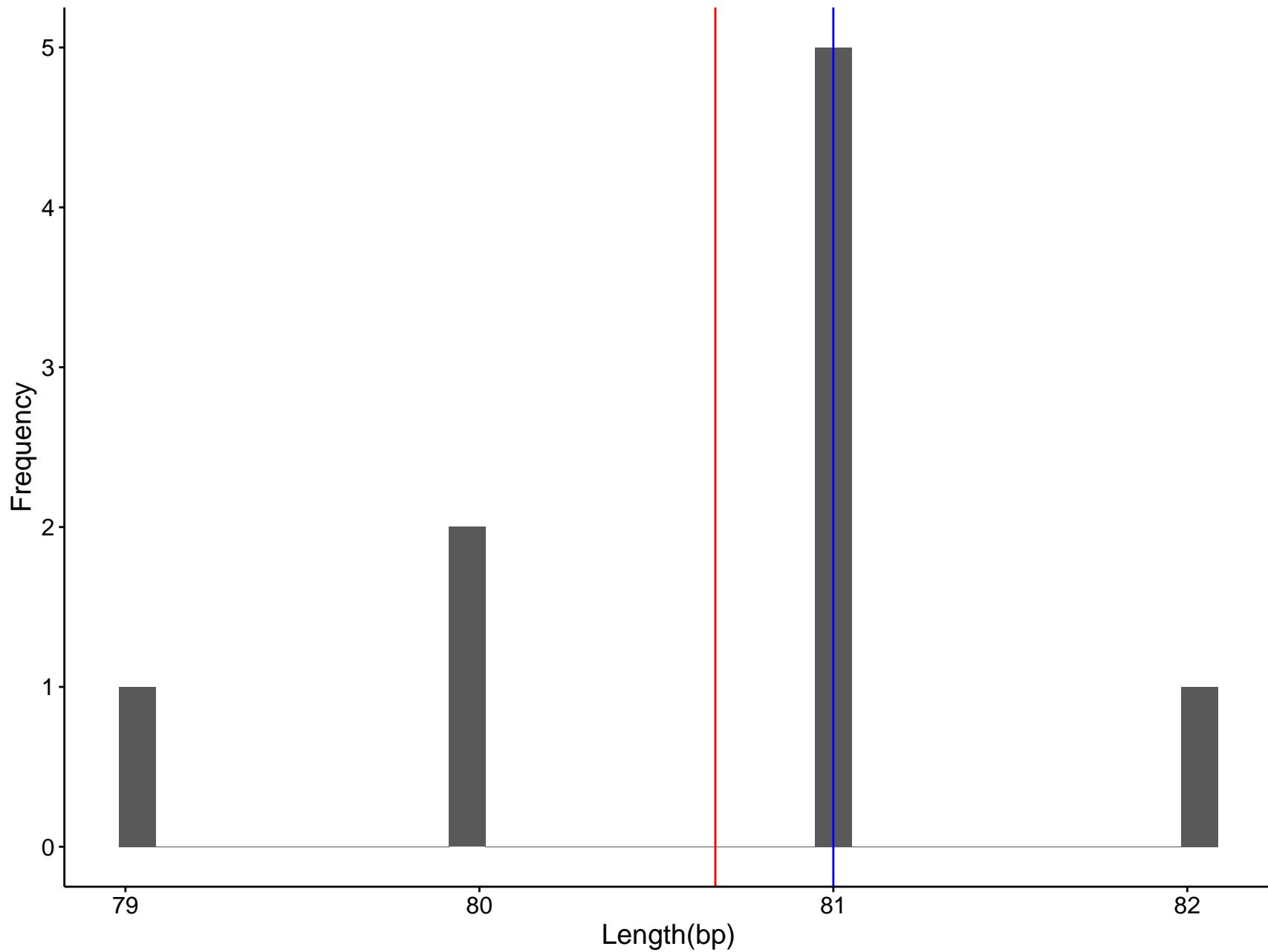
51.000

51.025

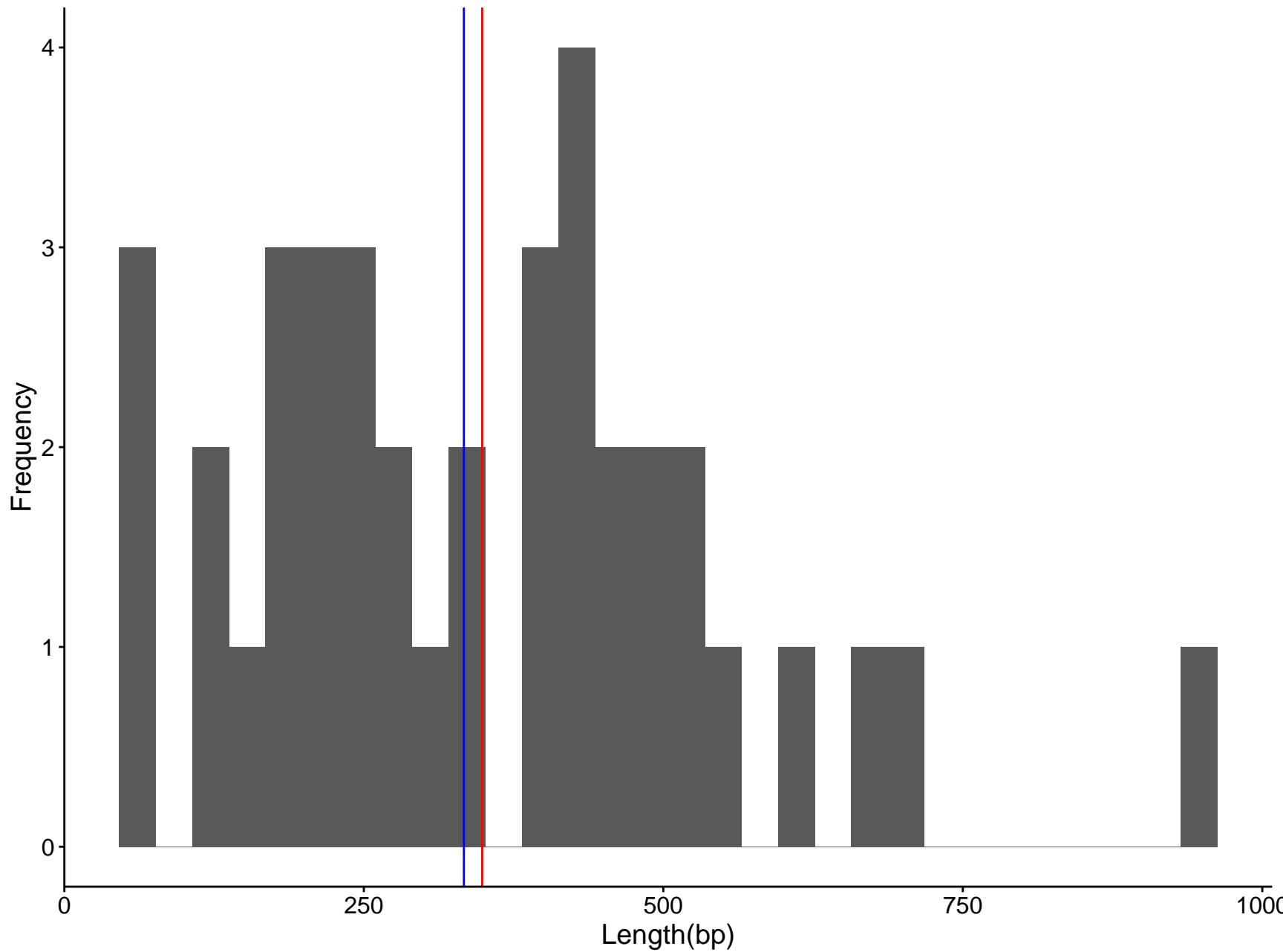
Length(bp)



Cluster1903



Cluster190



# Cluster1910

Frequency

173.950

173.975

174.000

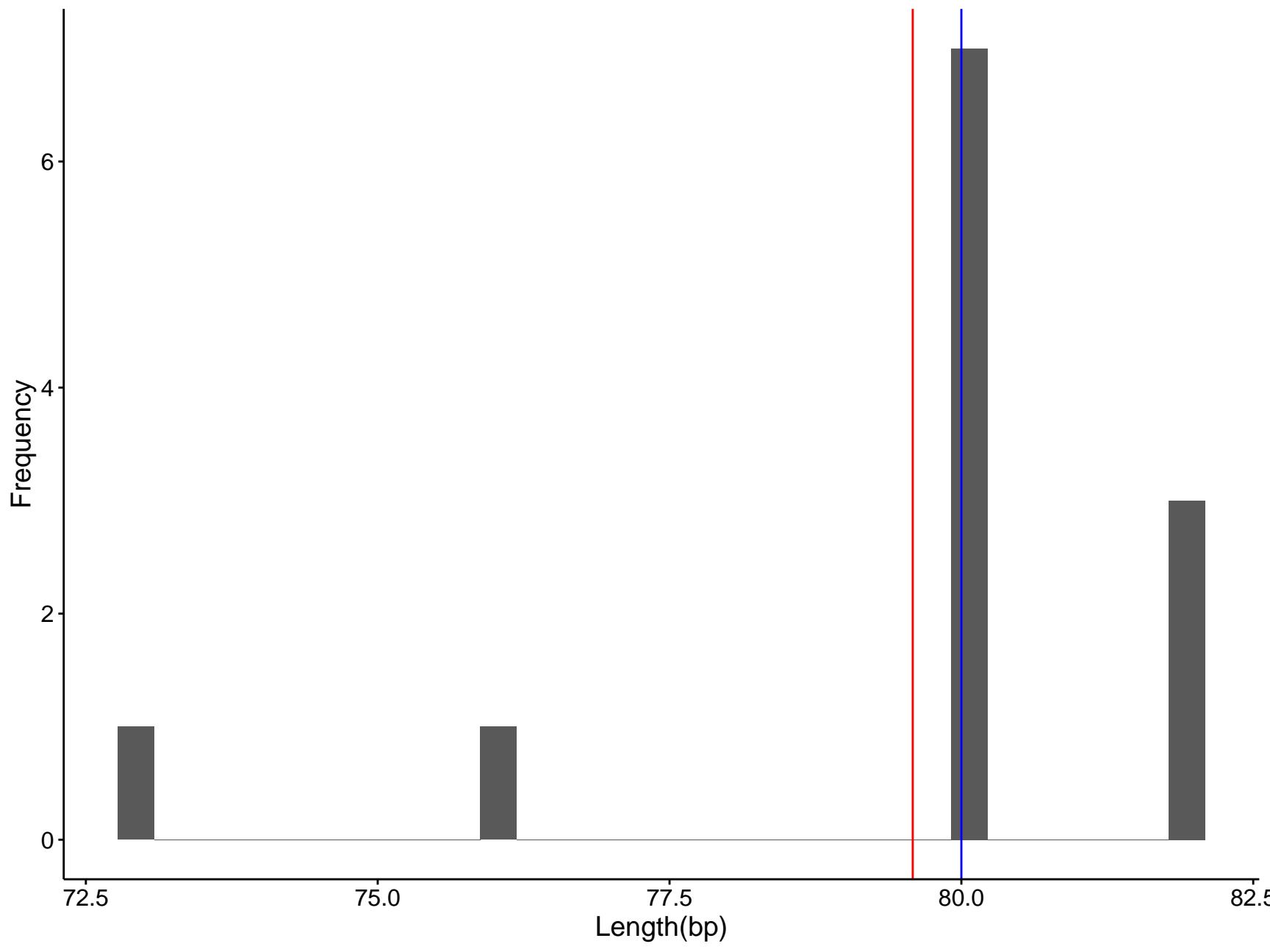
174.025

174.050

Length(bp)



Cluster1918



# Cluster1923

Frequency

69.950

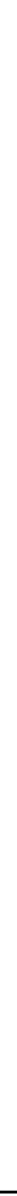
69.975

70.000

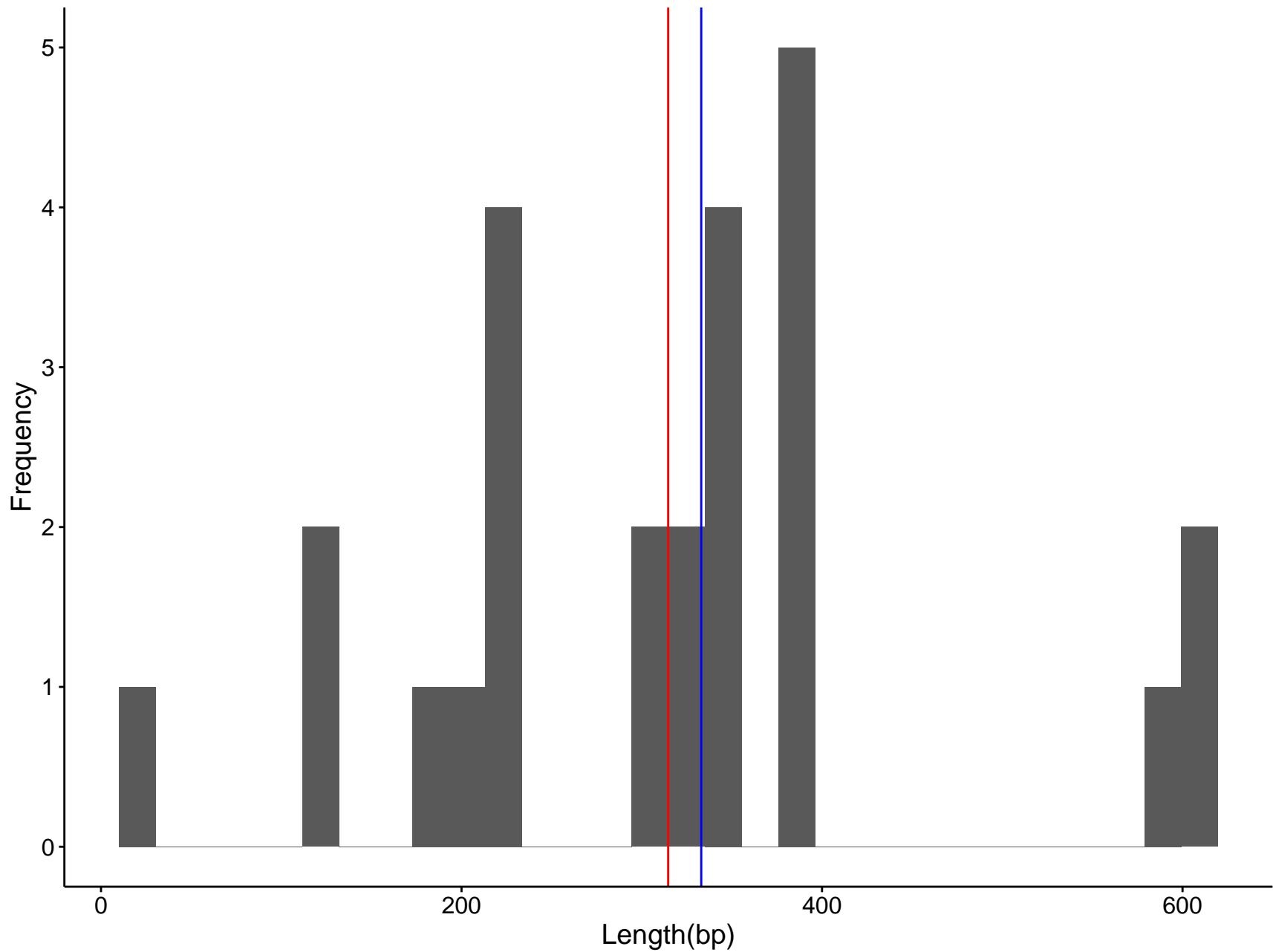
70.025

70.0

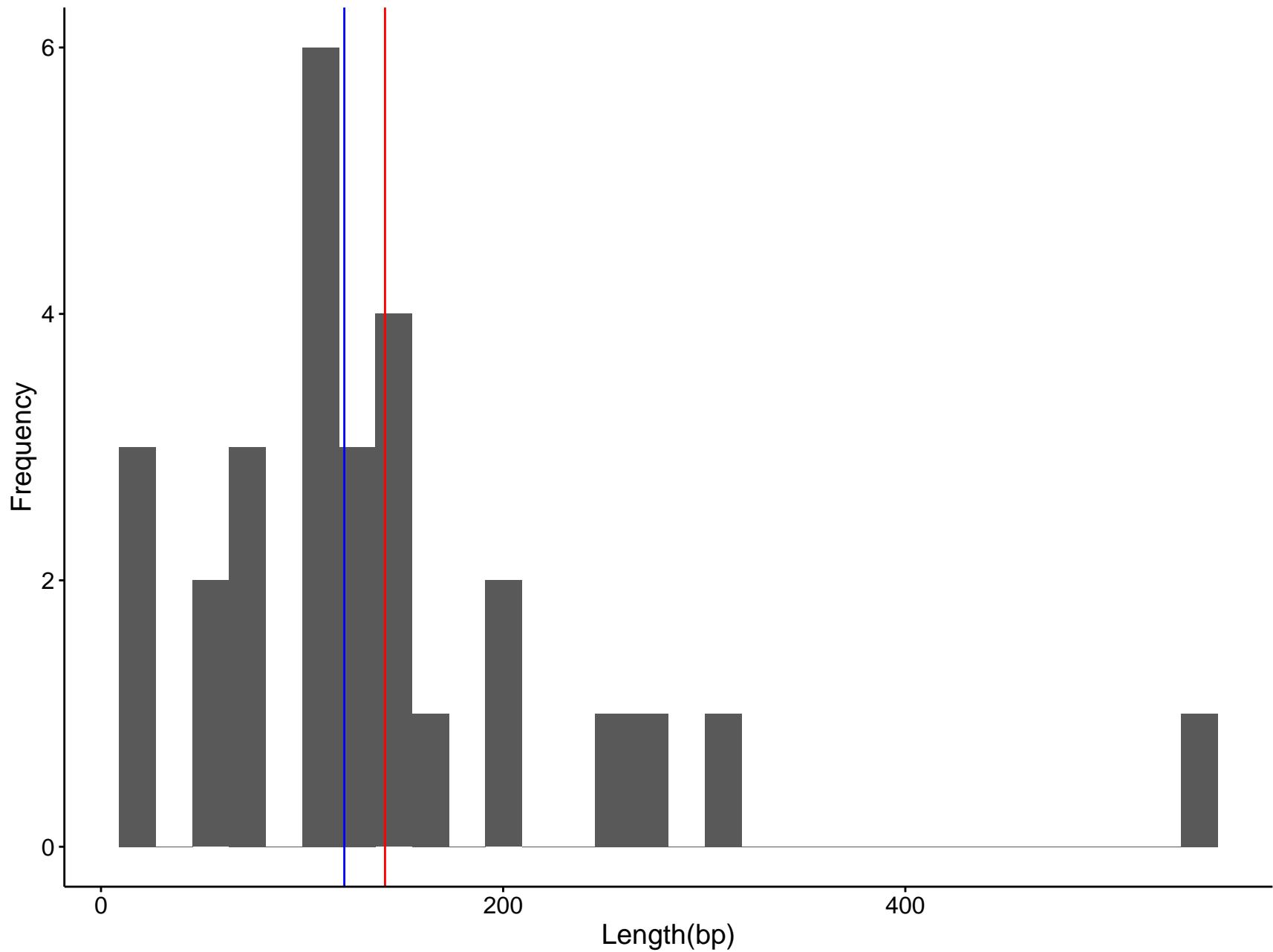
Length(bp)



Cluster192



Cluster1933



# Cluster1937

Frequency

92.950

92.975

93.000

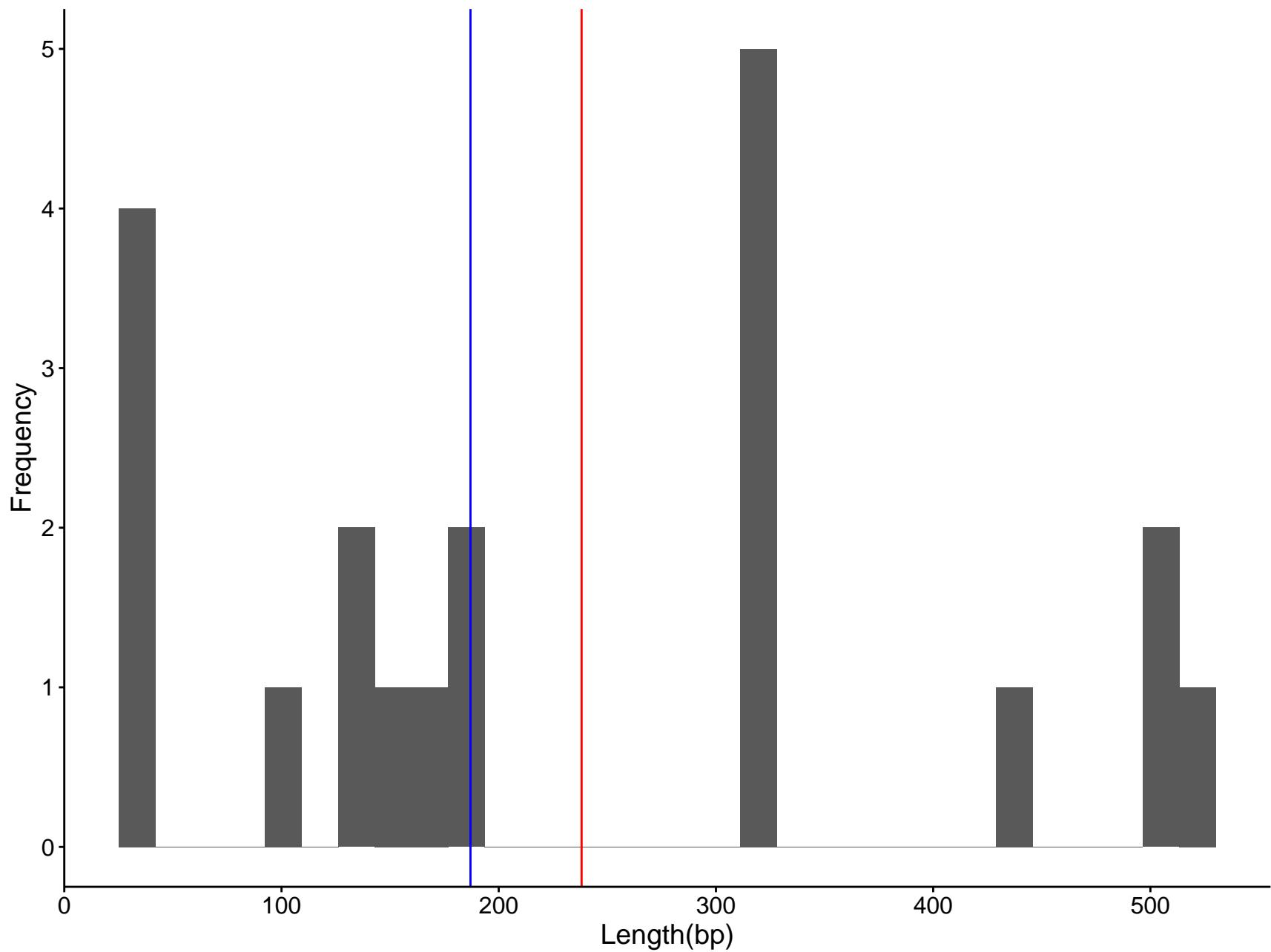
93.025

93.0

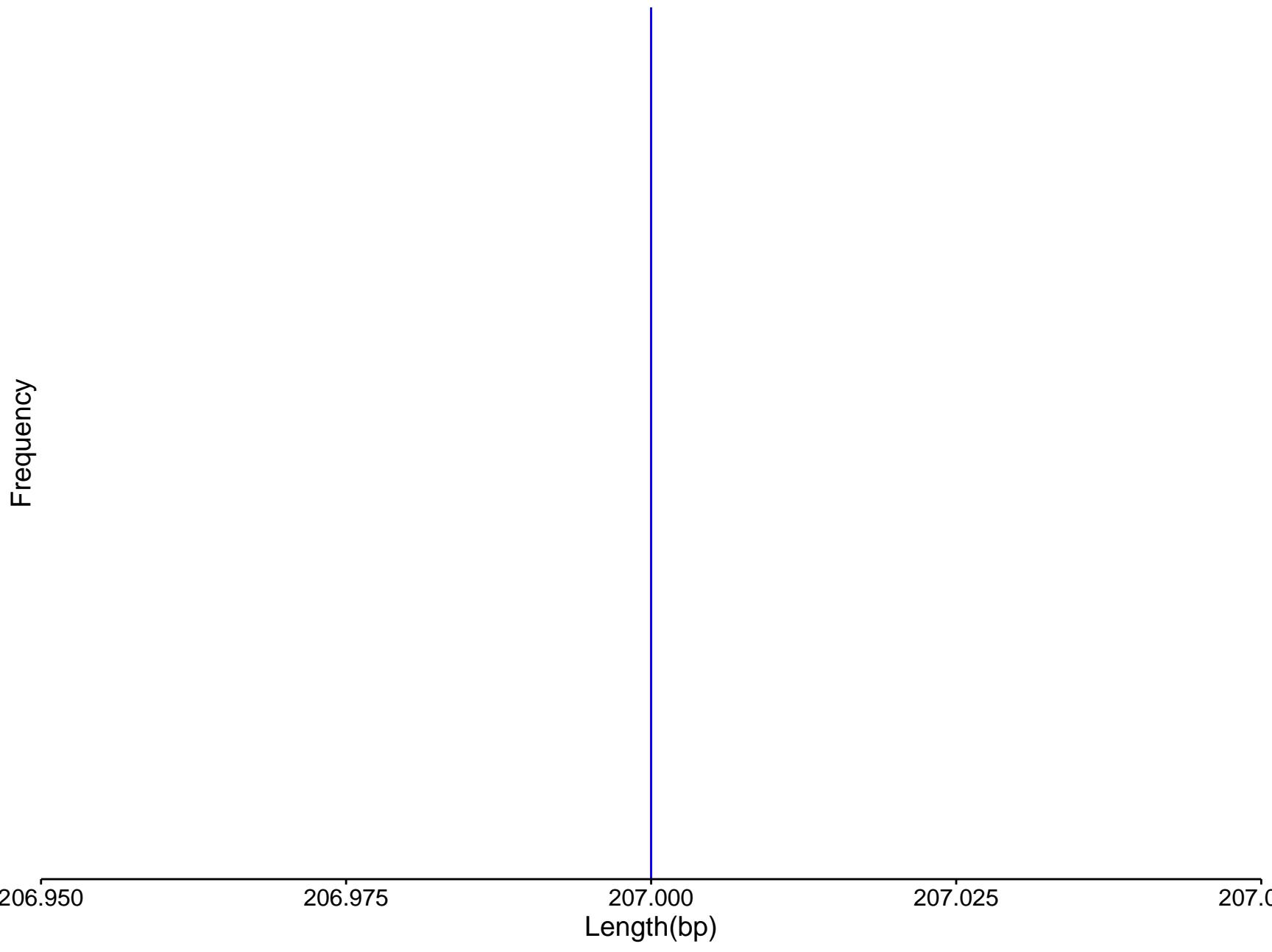
Length(bp)



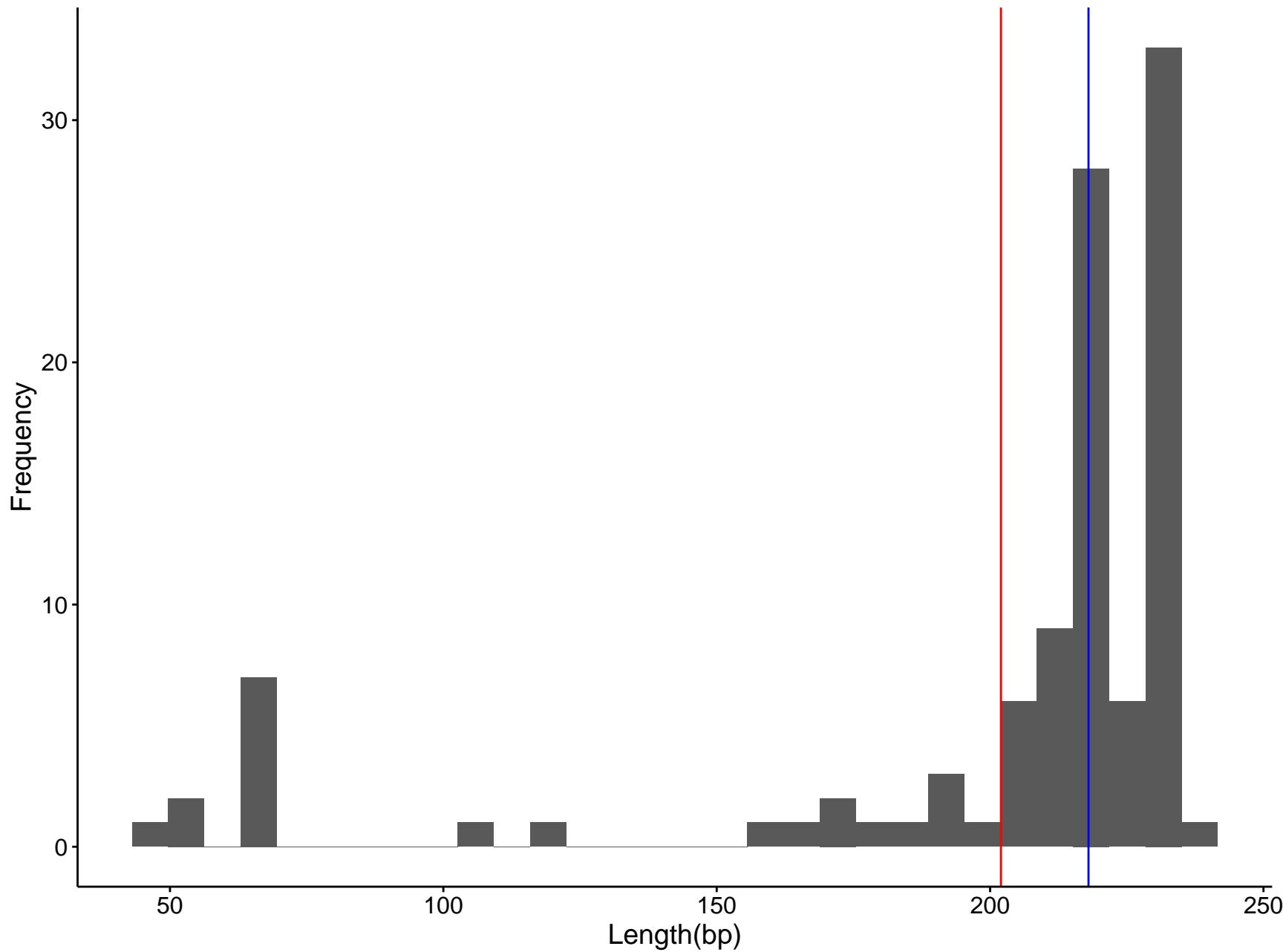
Cluster1938



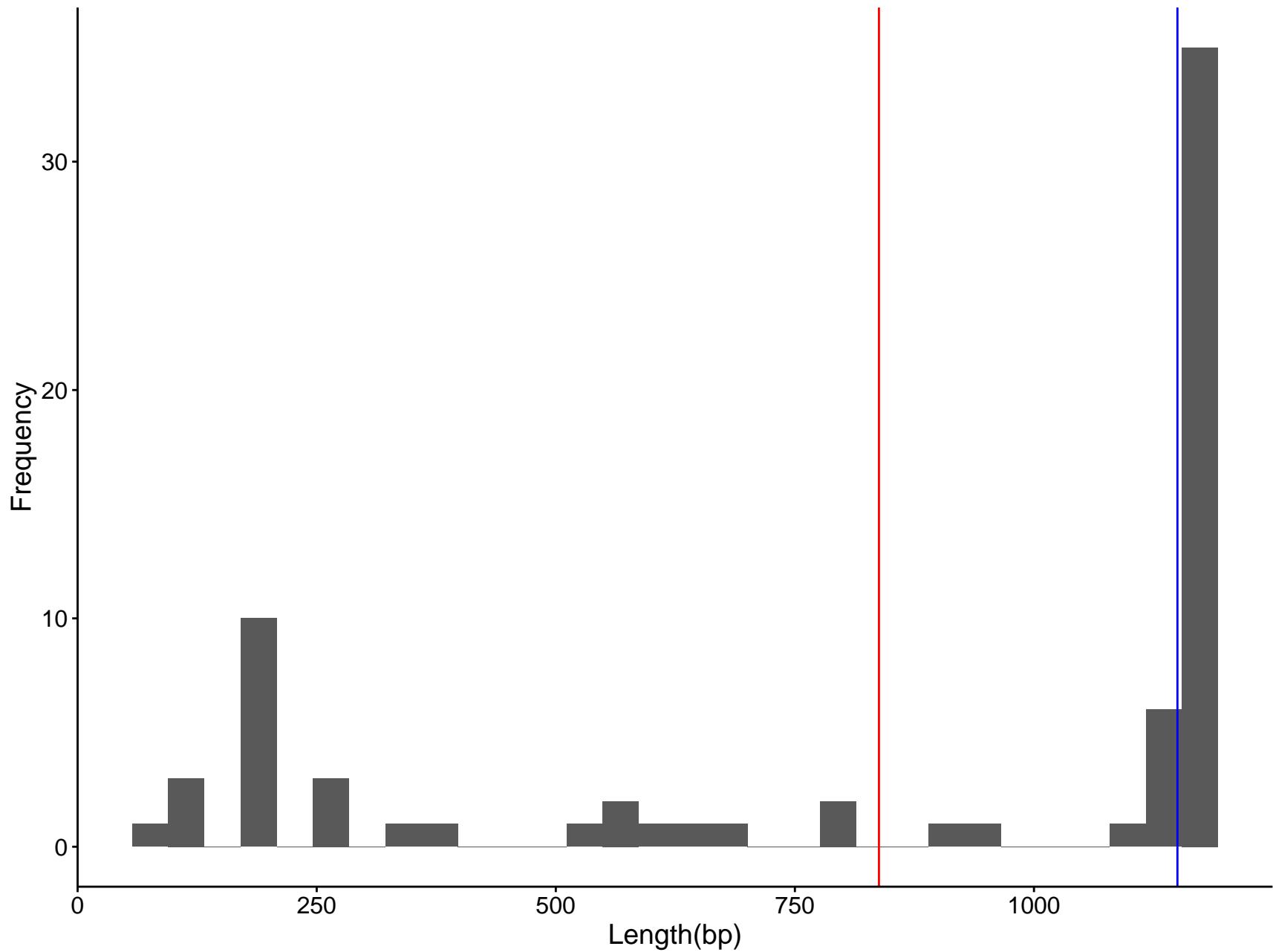
# Cluster193



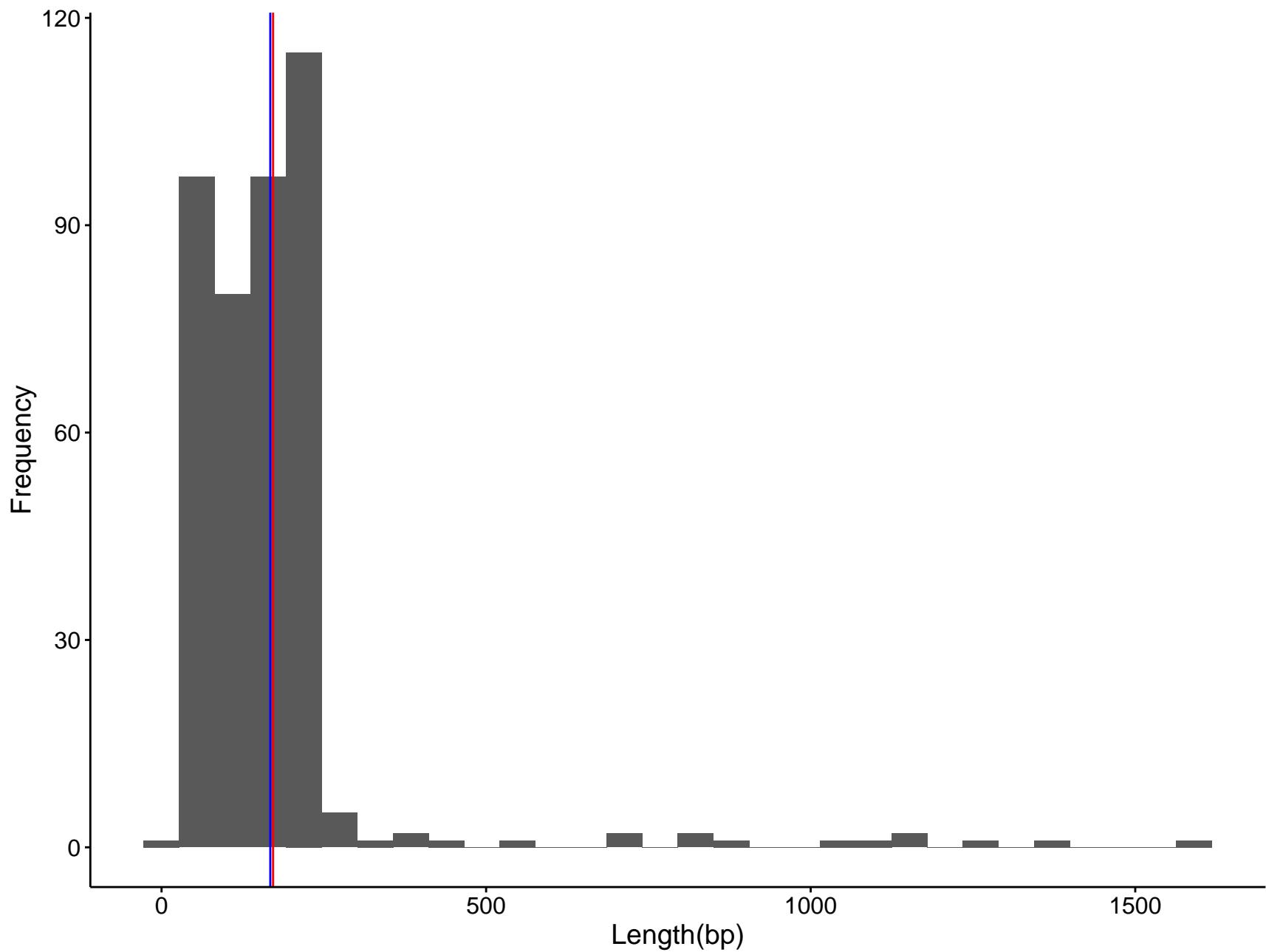
Cluster1940



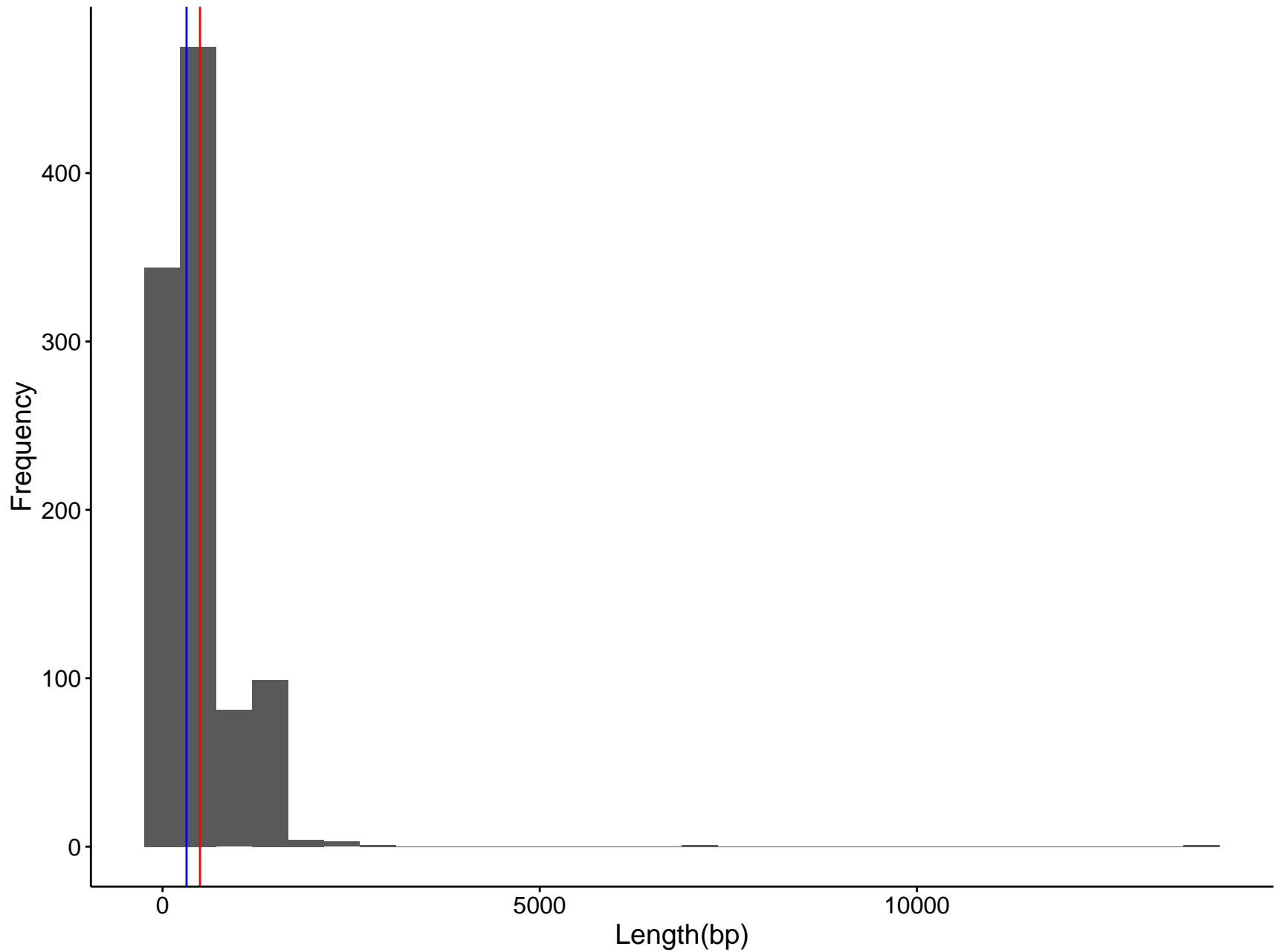
Cluster1941



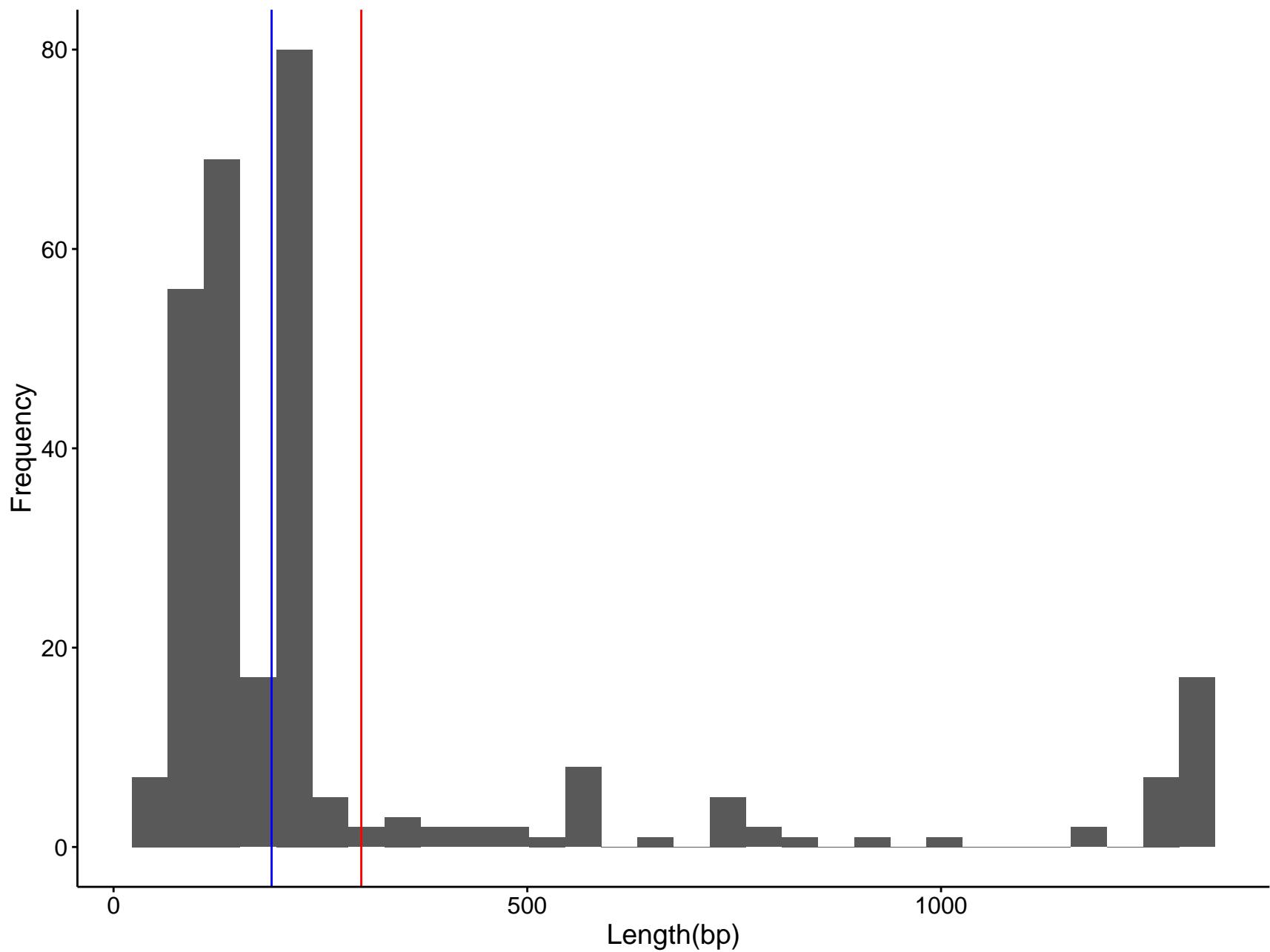
Cluster1942



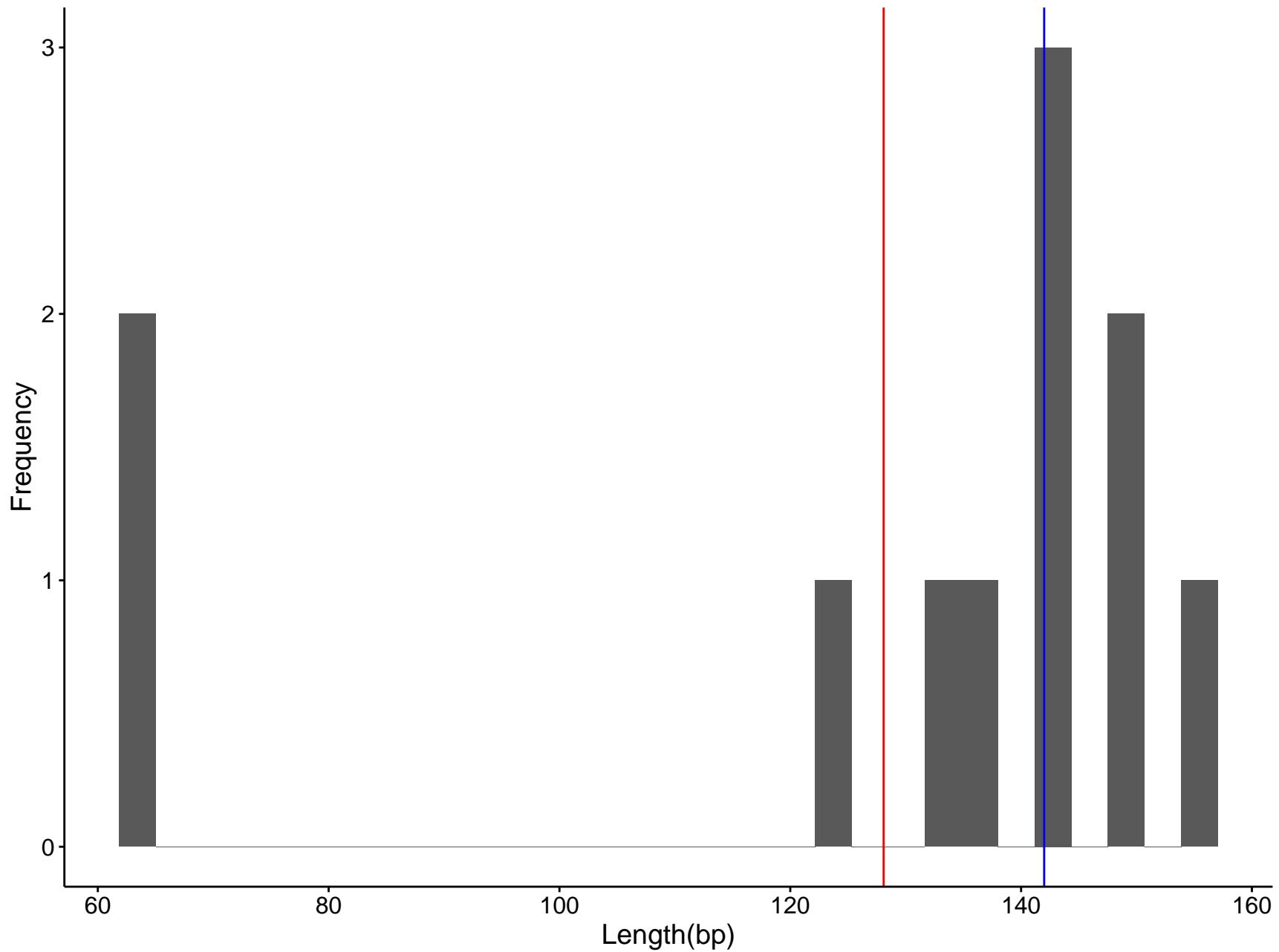
Cluster1944



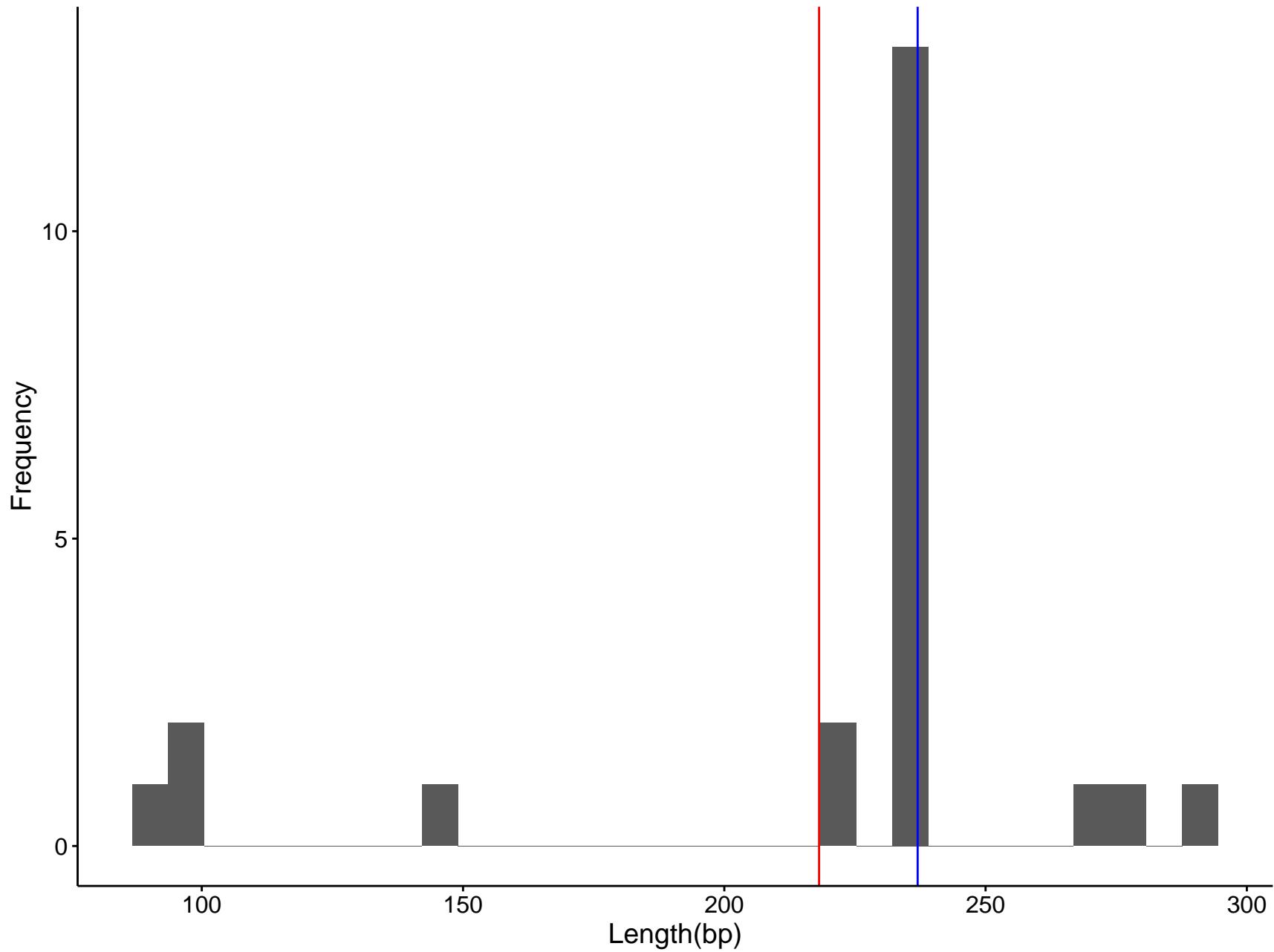
Cluster1946



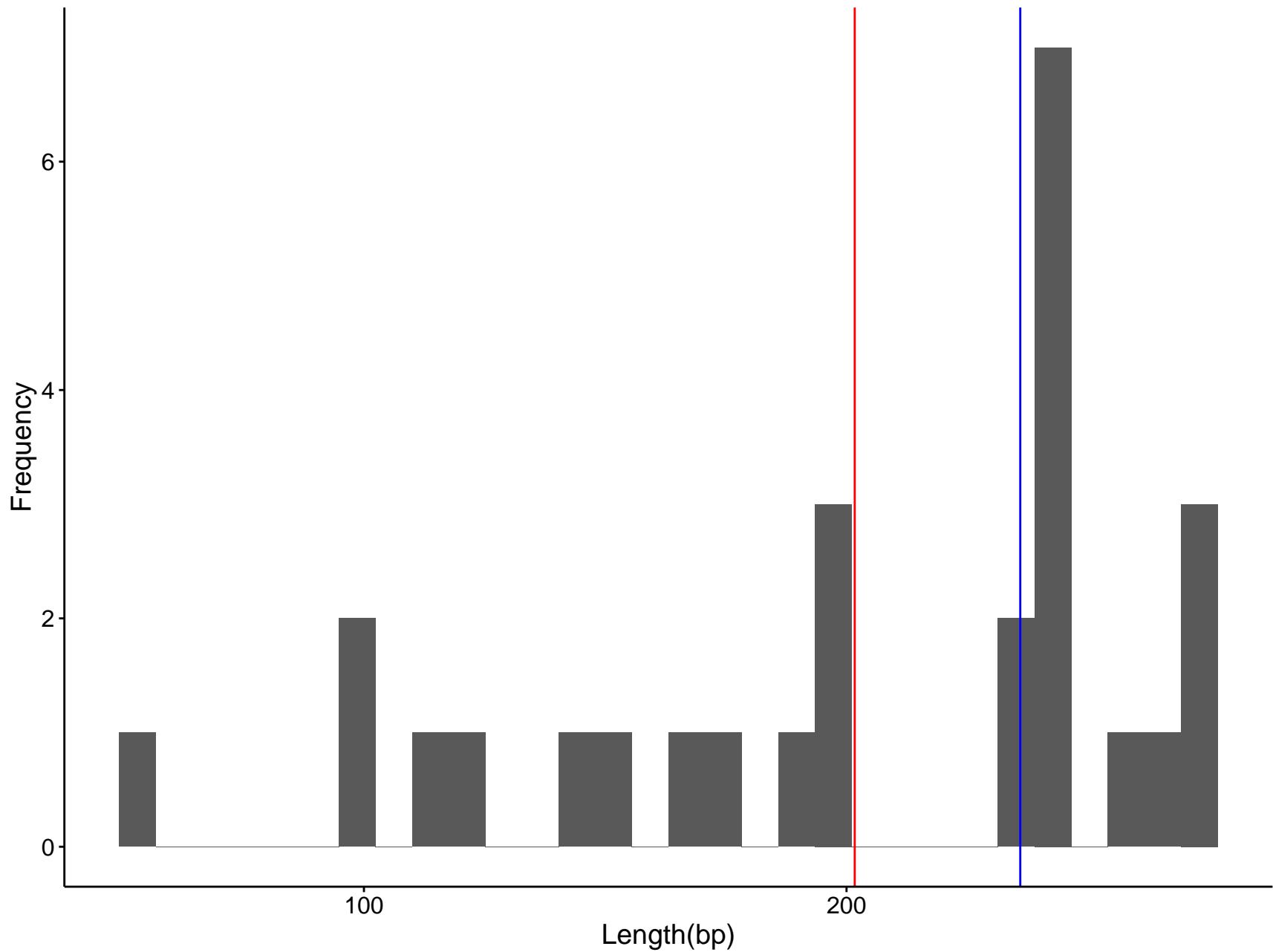
# Cluster1947



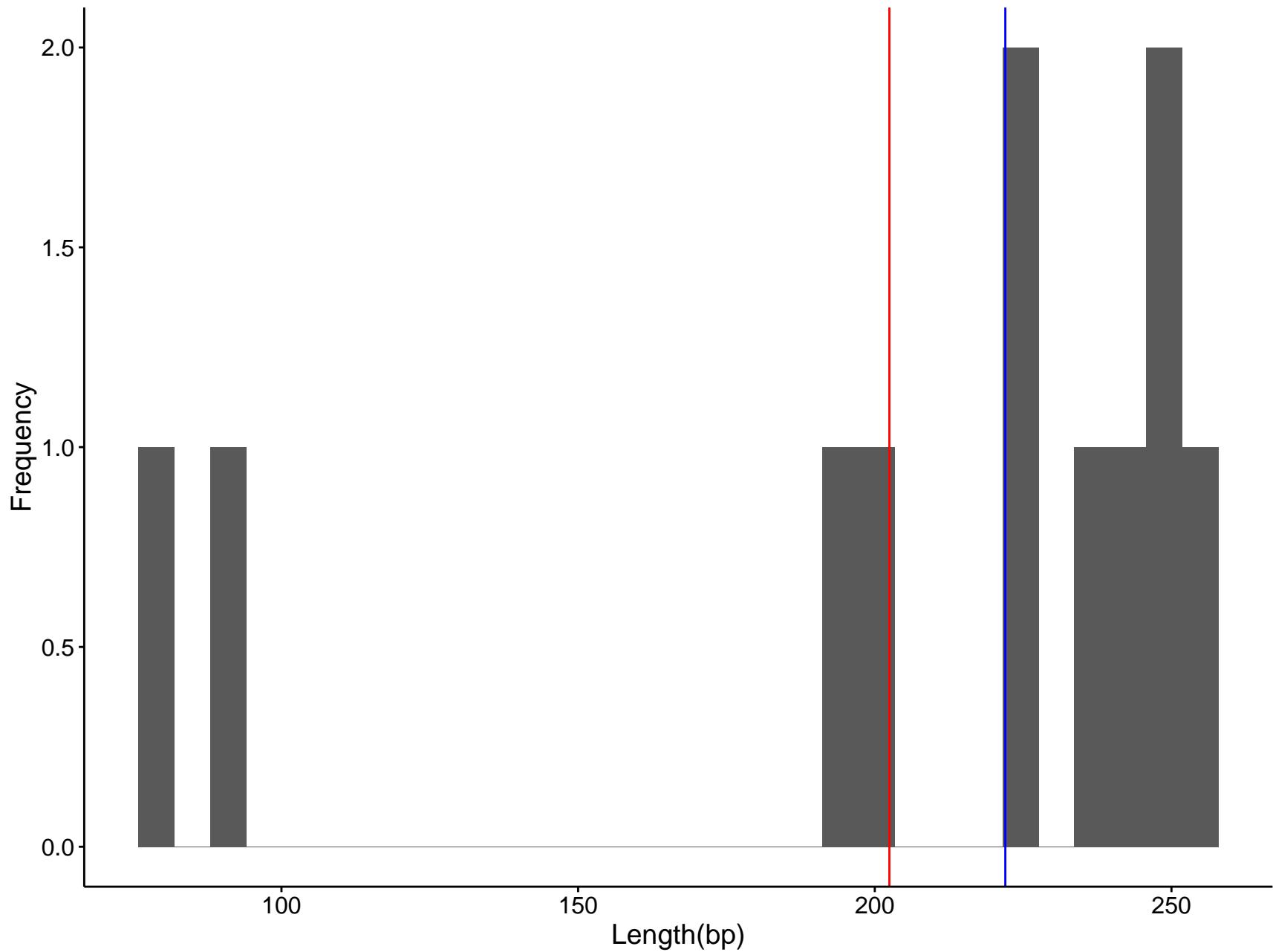
Cluster1948



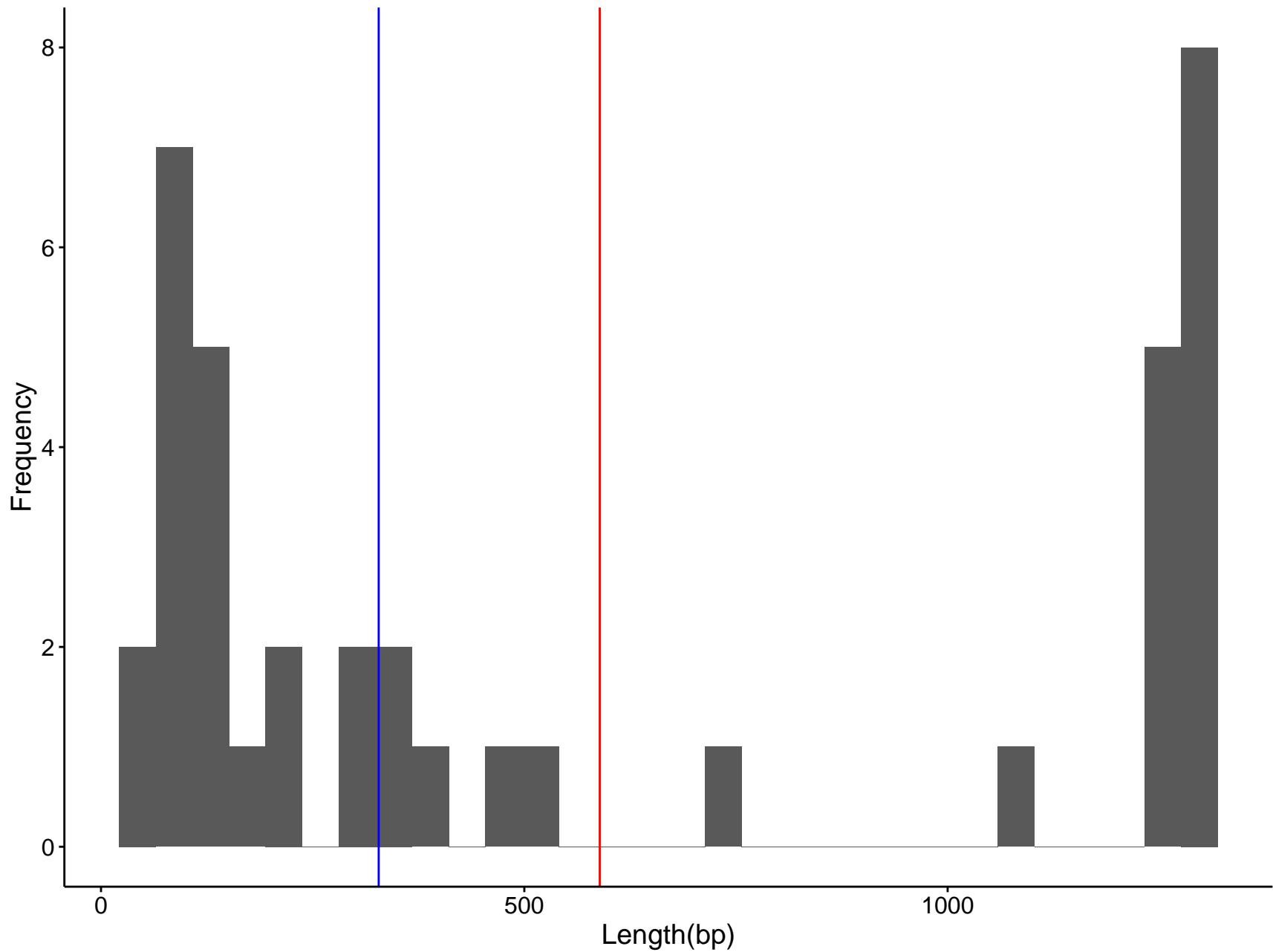
Cluster1949



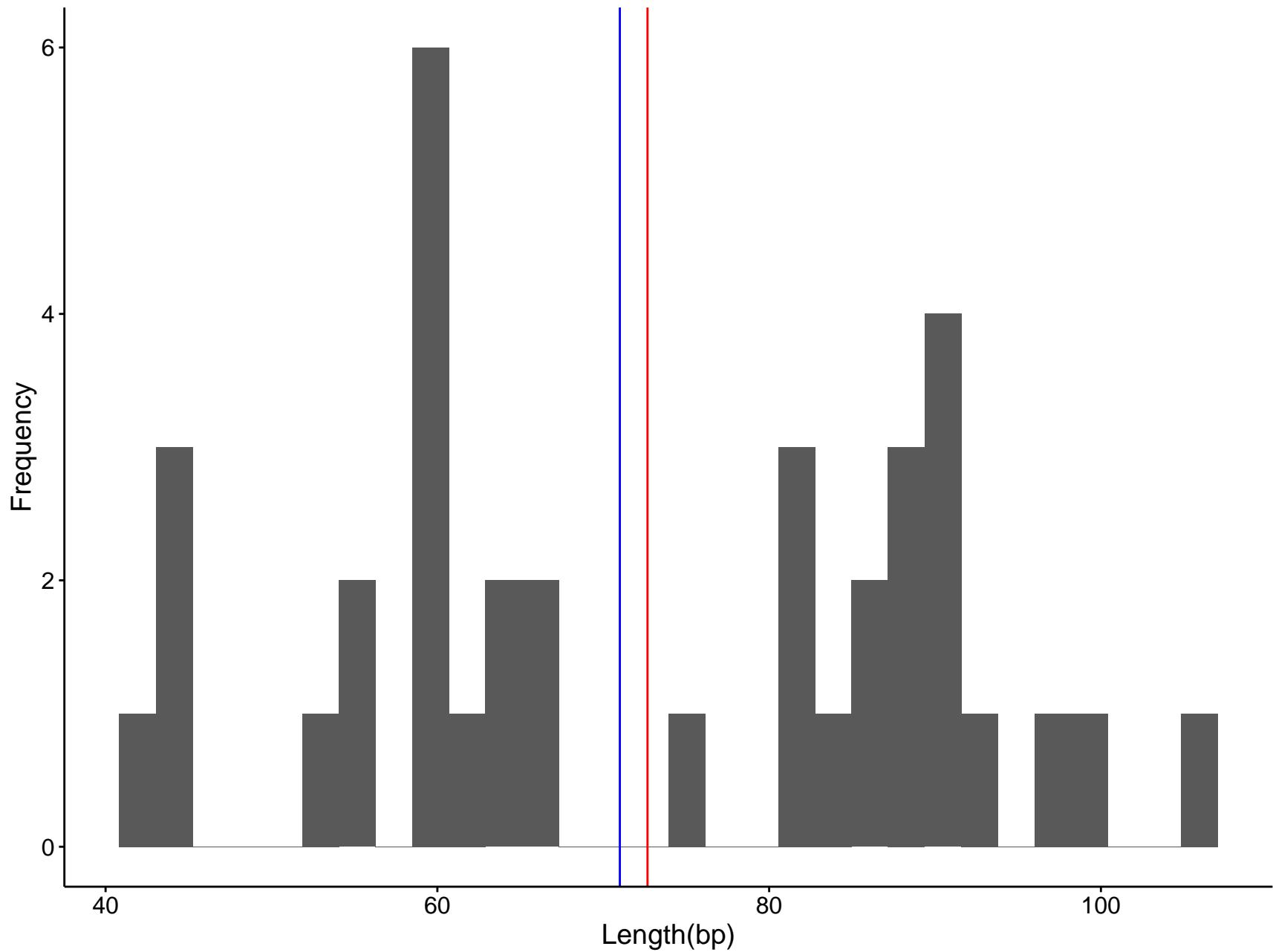
Cluster1951



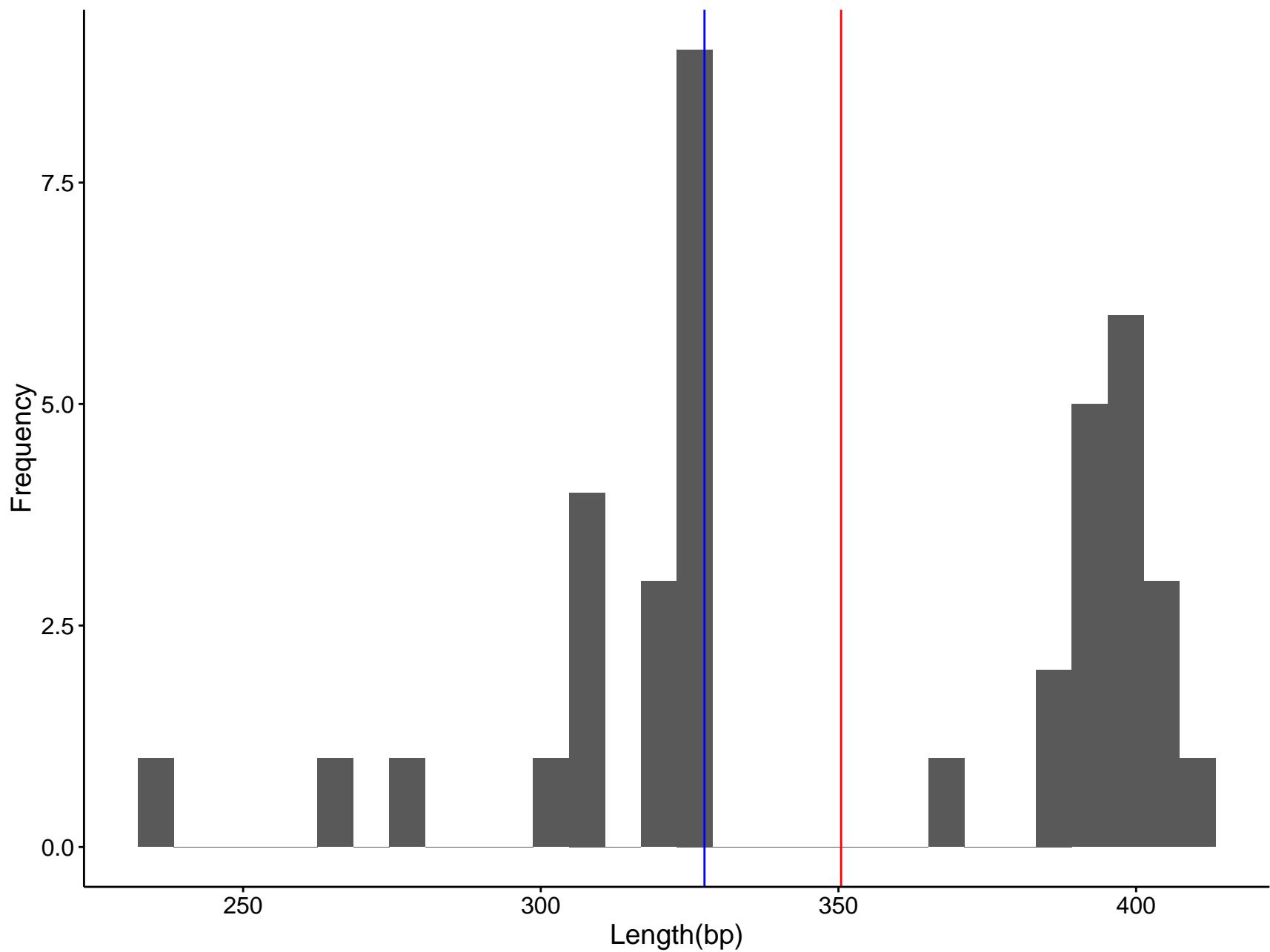
Cluster1952



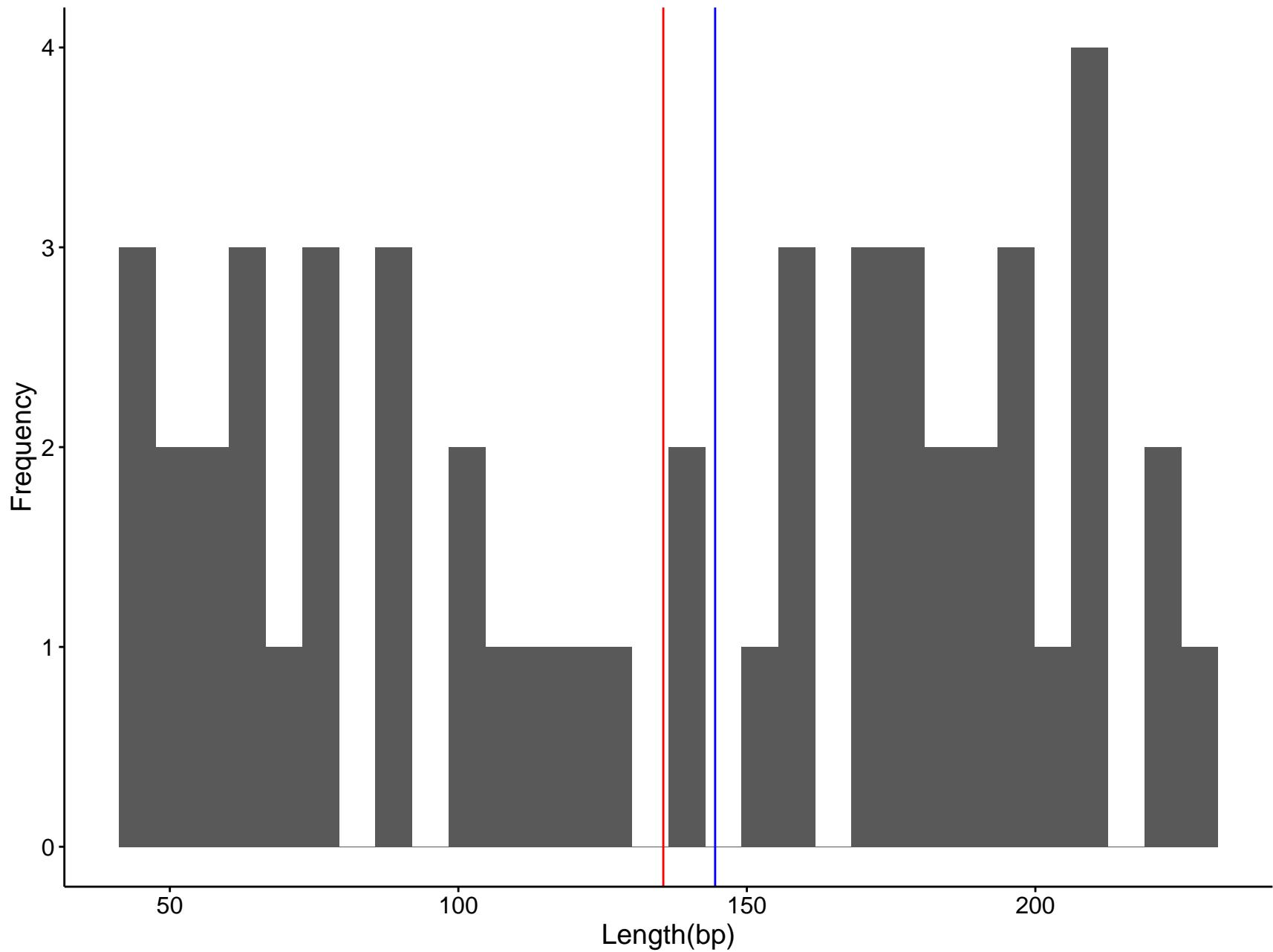
Cluster1953



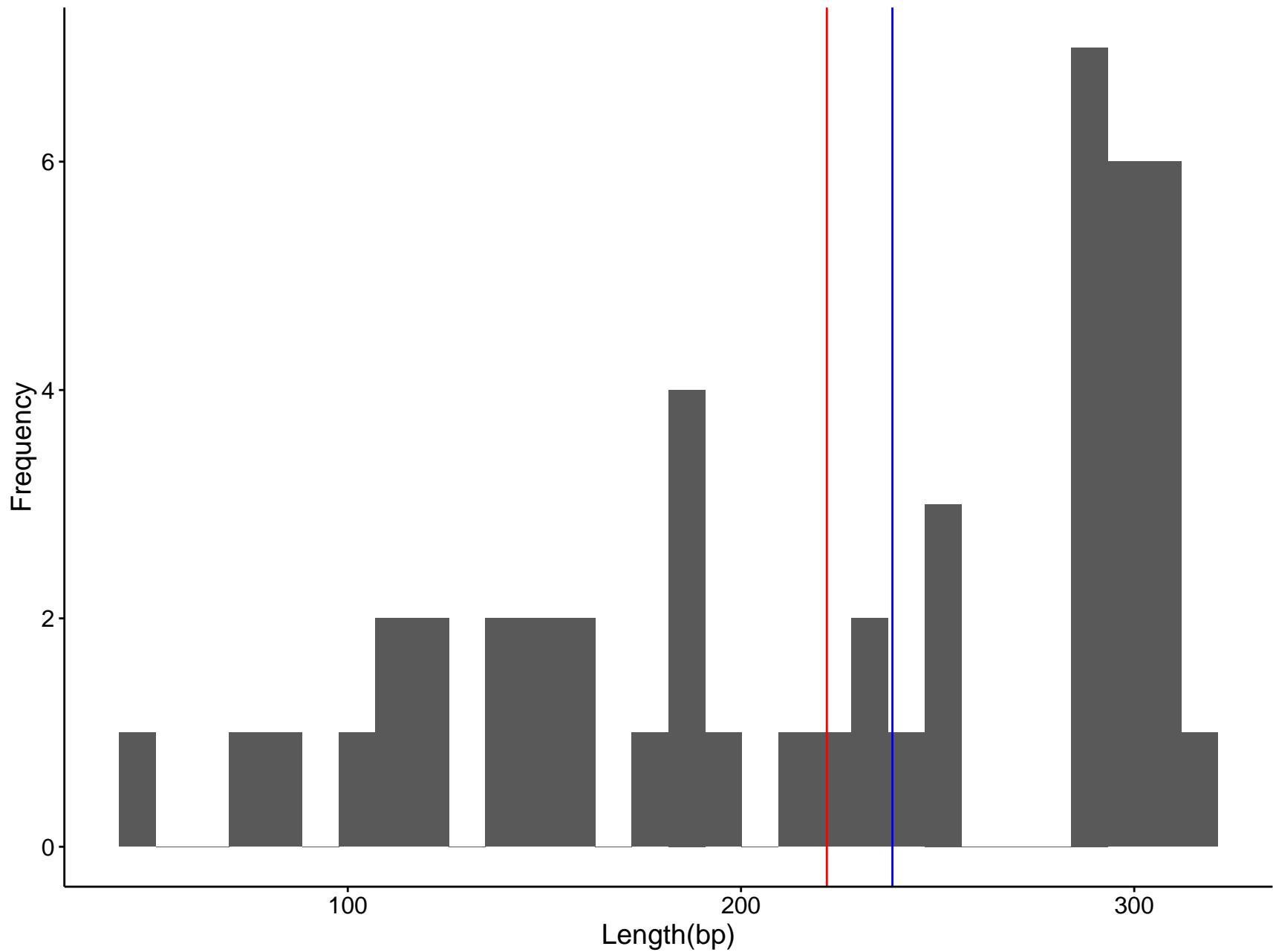
Cluster1954



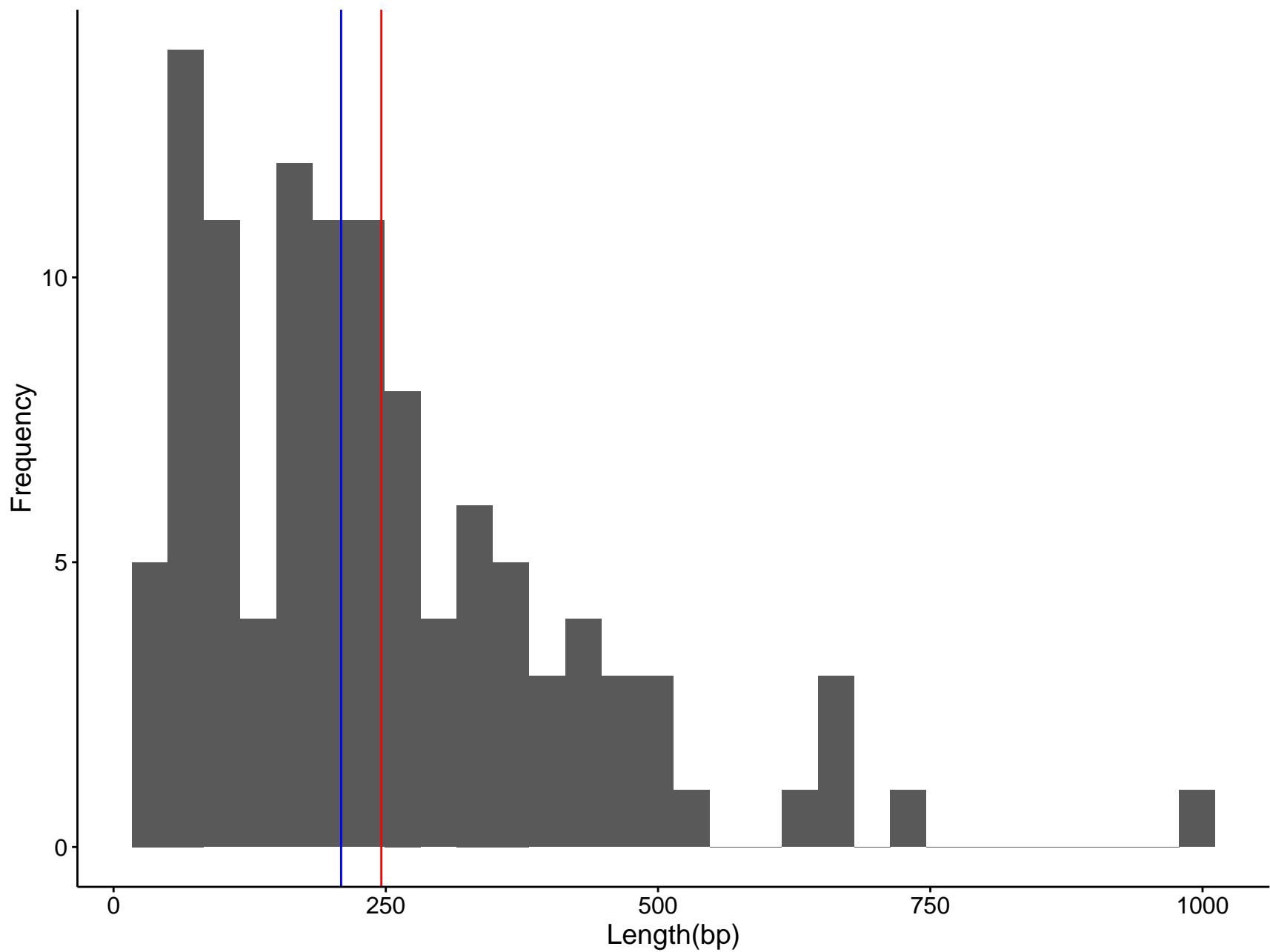
# Cluster1956



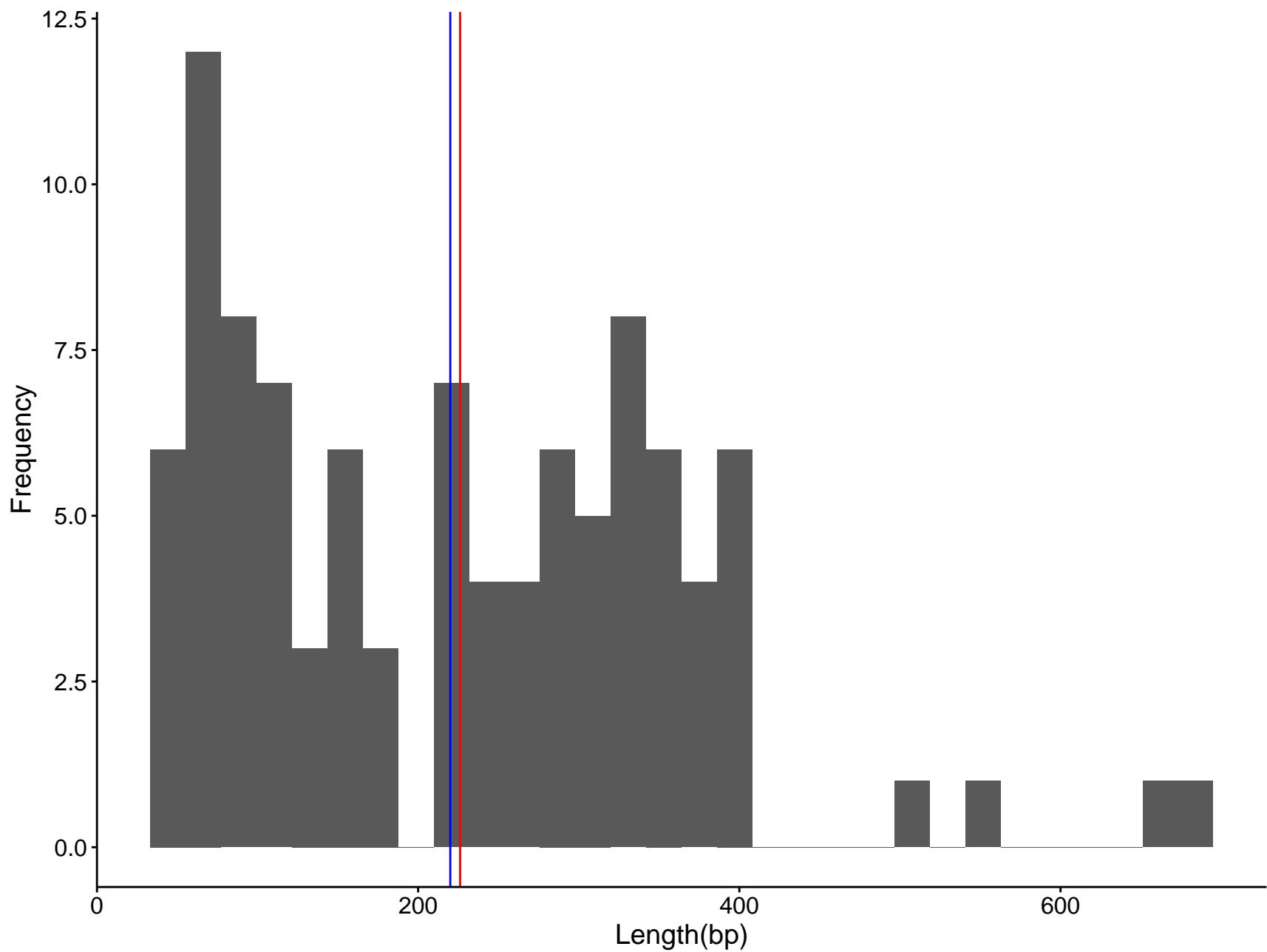
Cluster1957

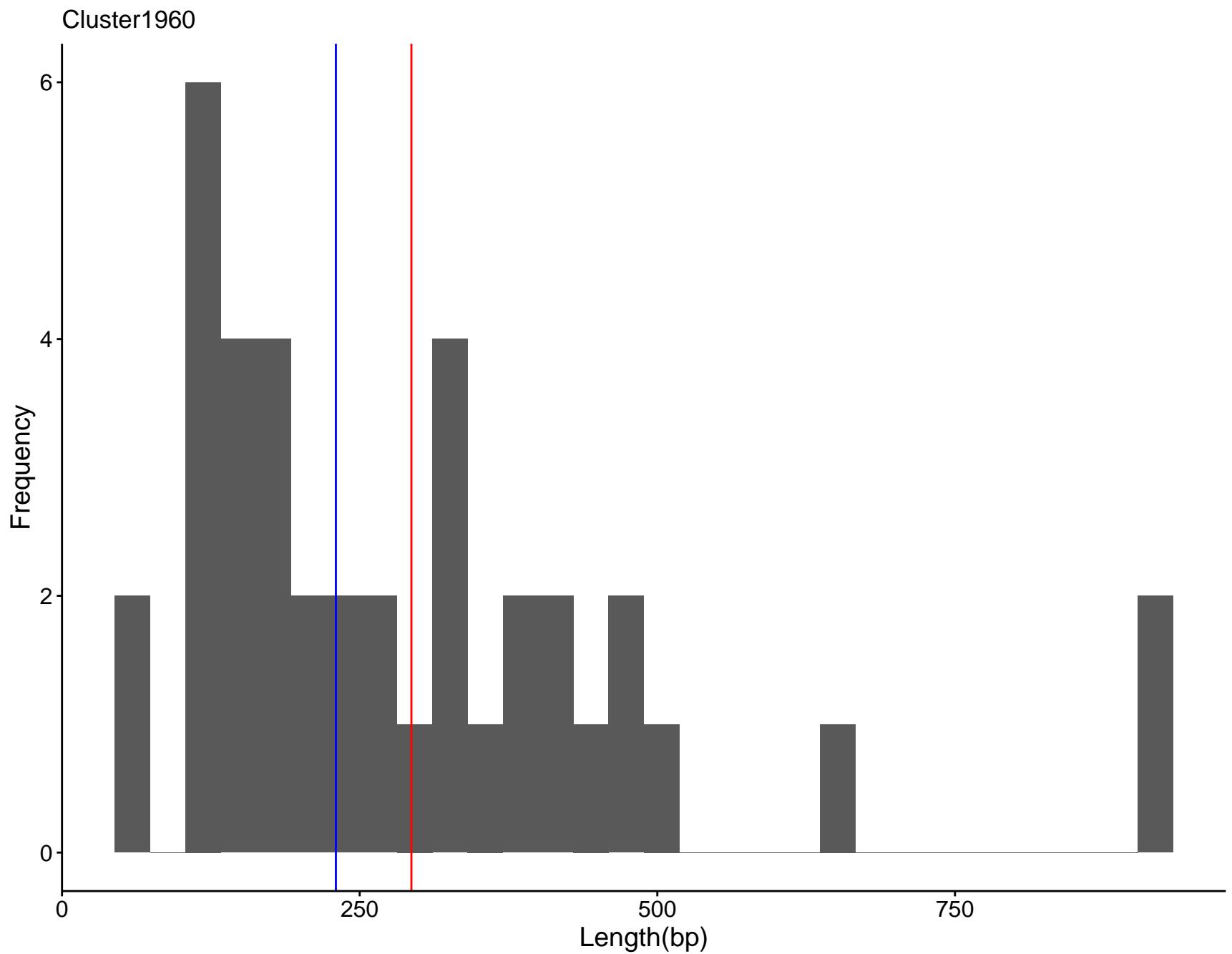


Cluster1958

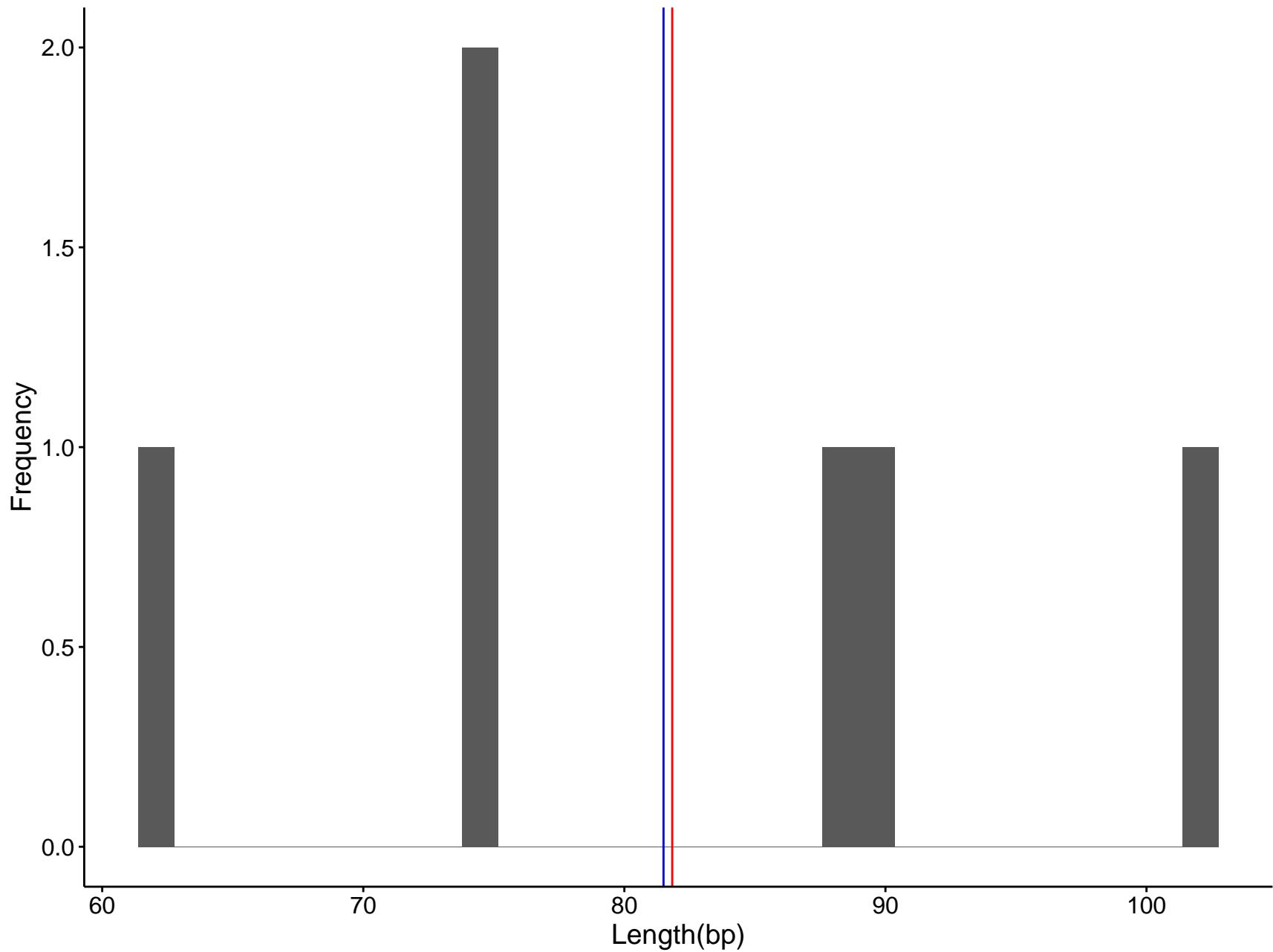


Cluster1959

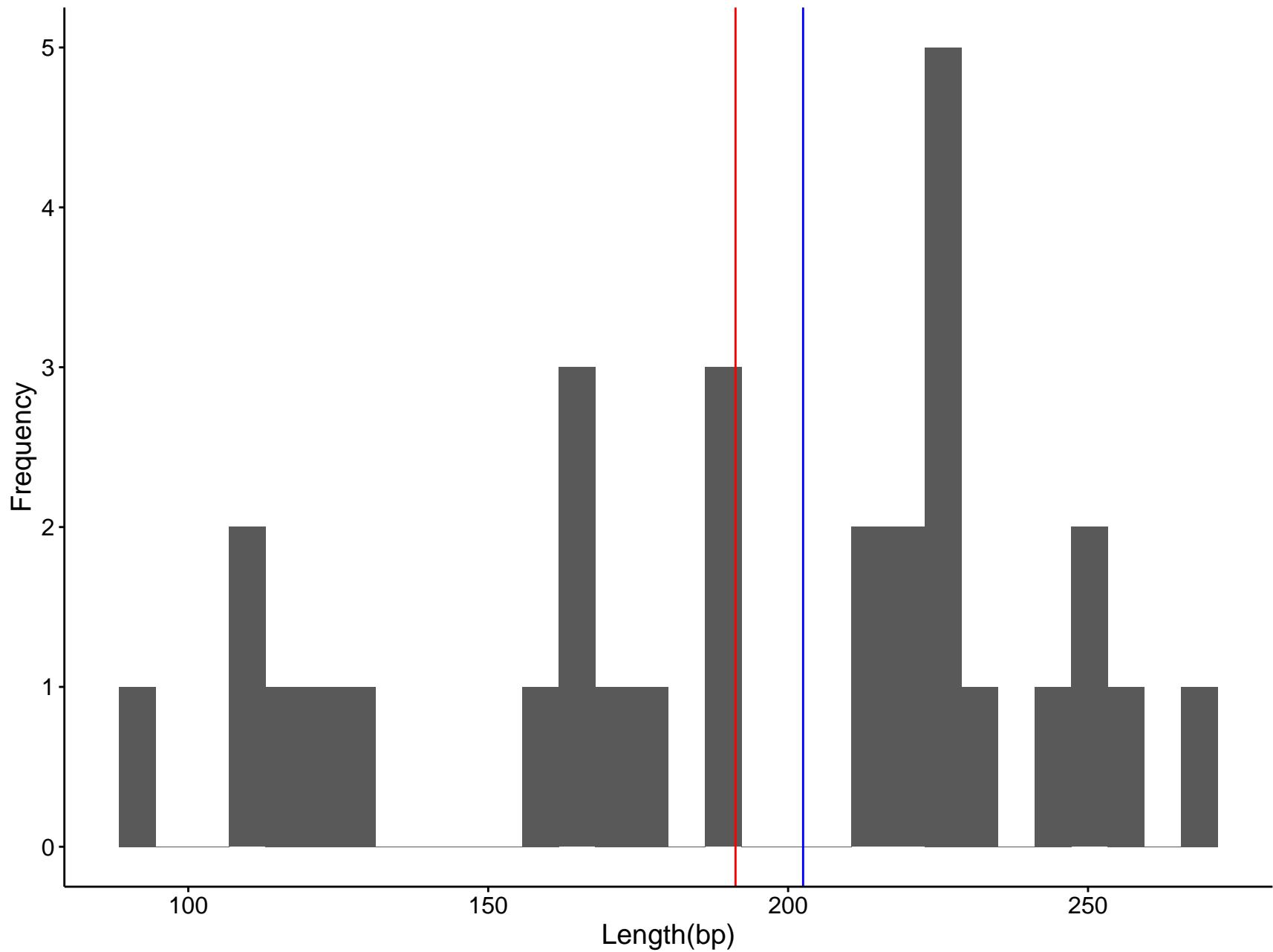




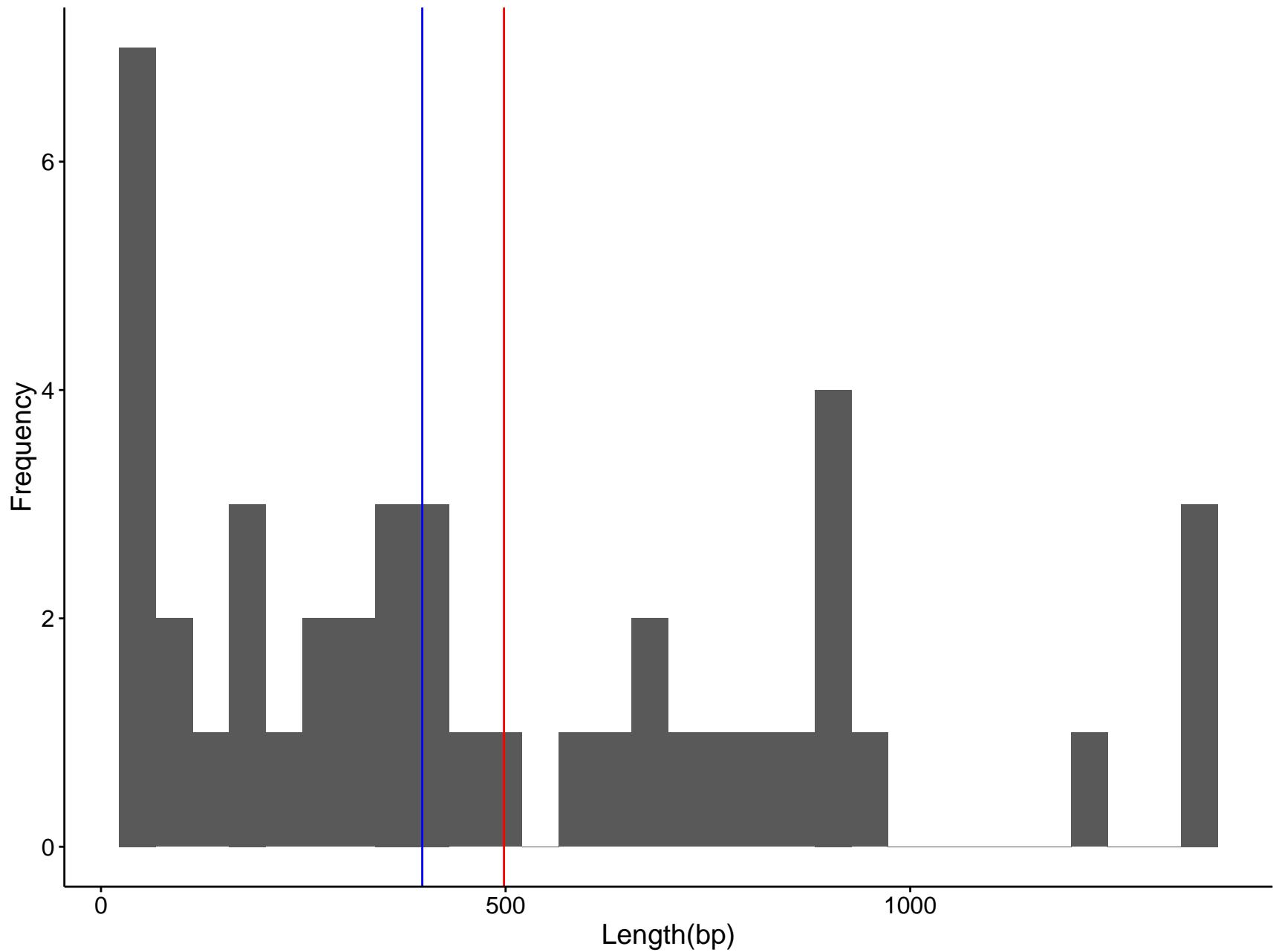
Cluster1961

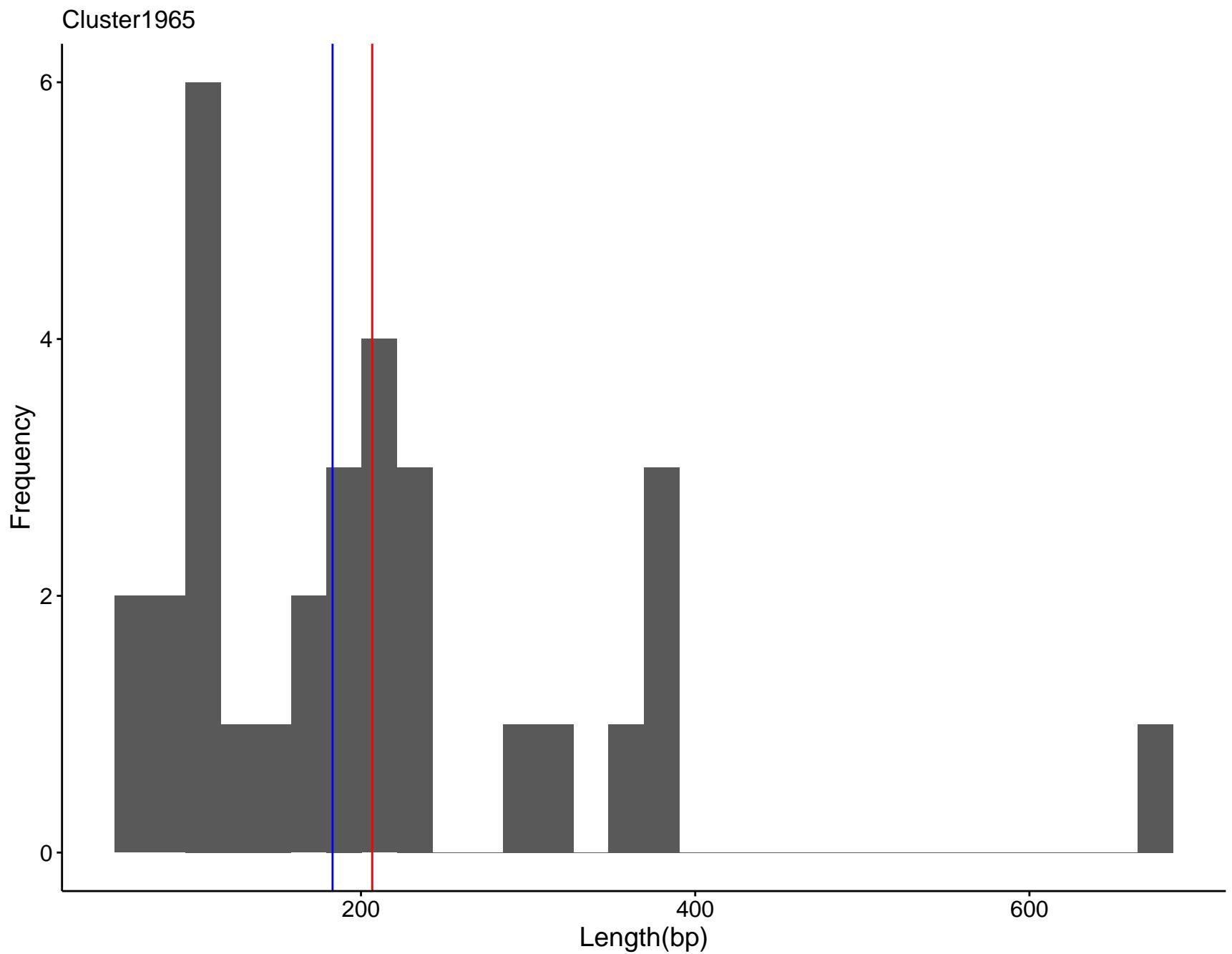


Cluster1962

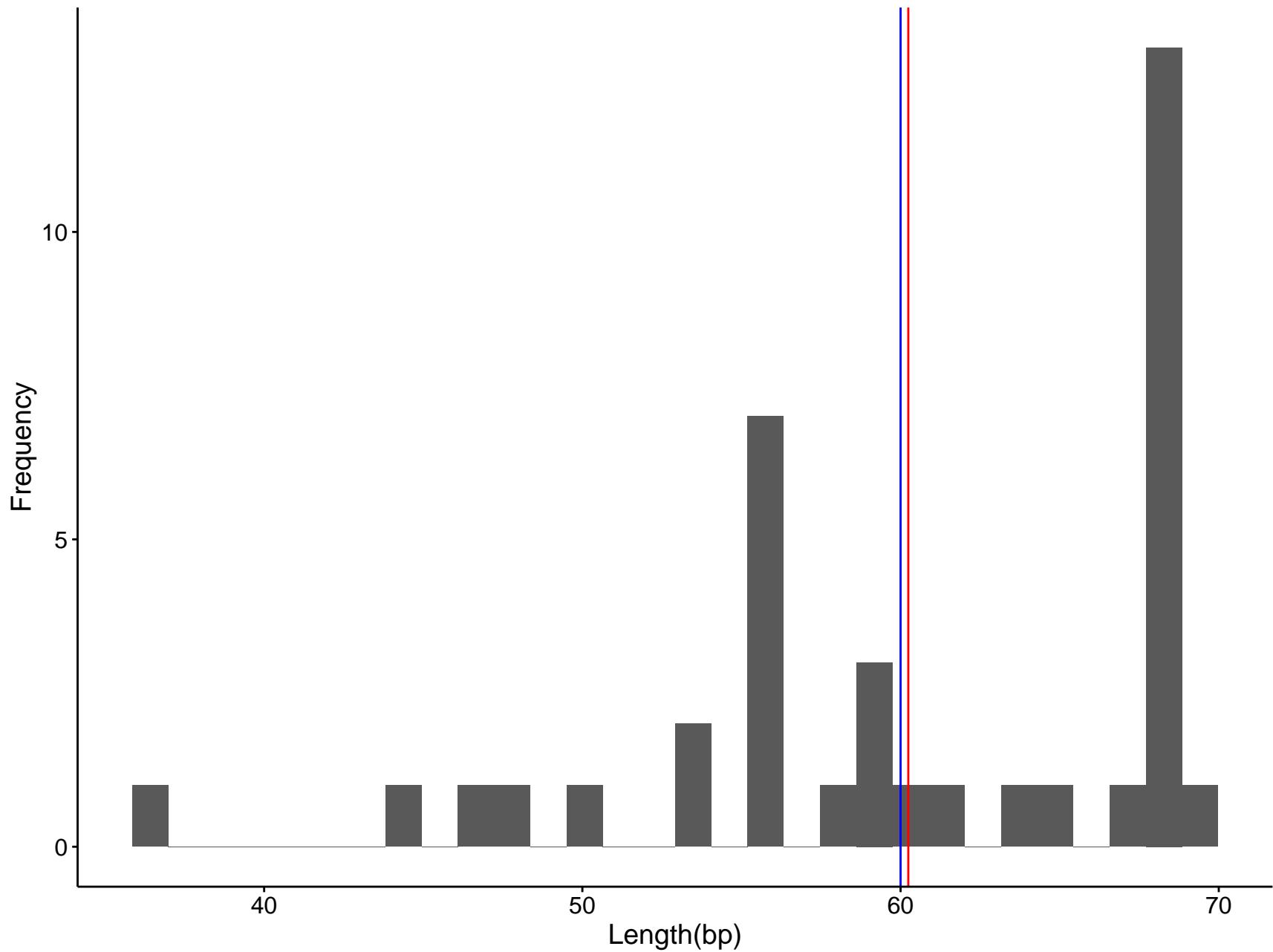


Cluster1963

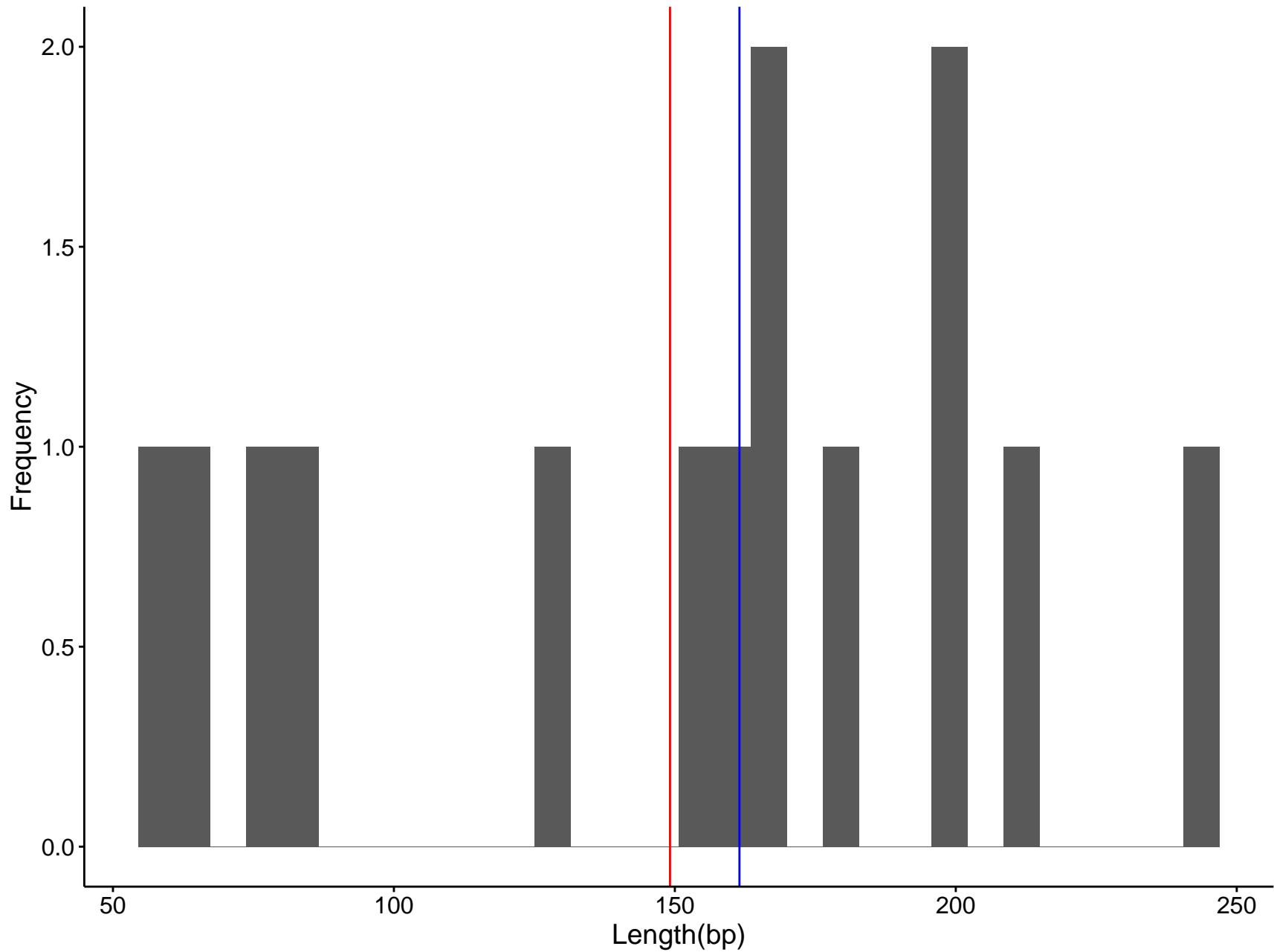




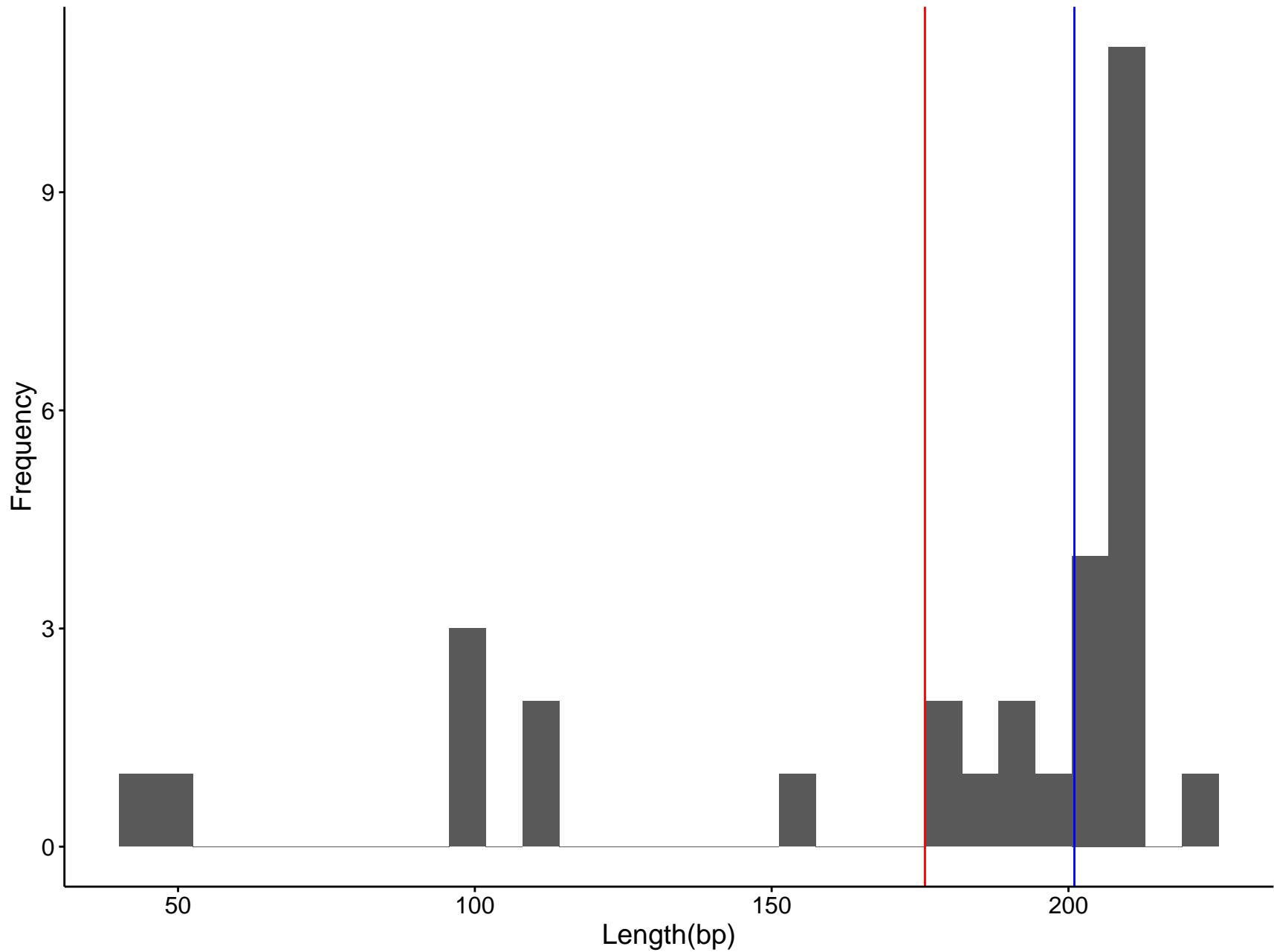
Cluster1966



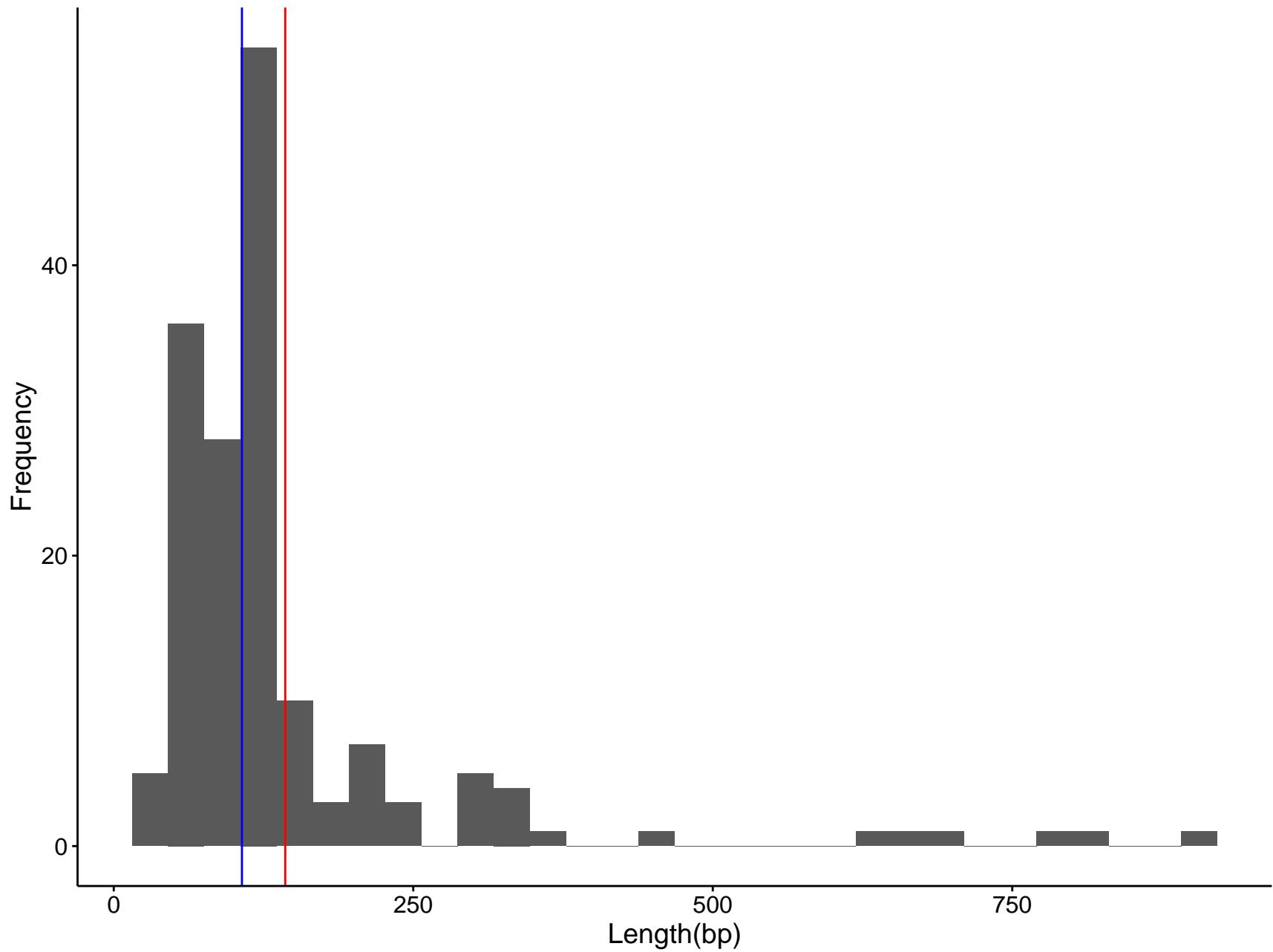
Cluster1967



# Cluster1968



Cluster1969



# Cluster196

Frequency

483.950

483.975

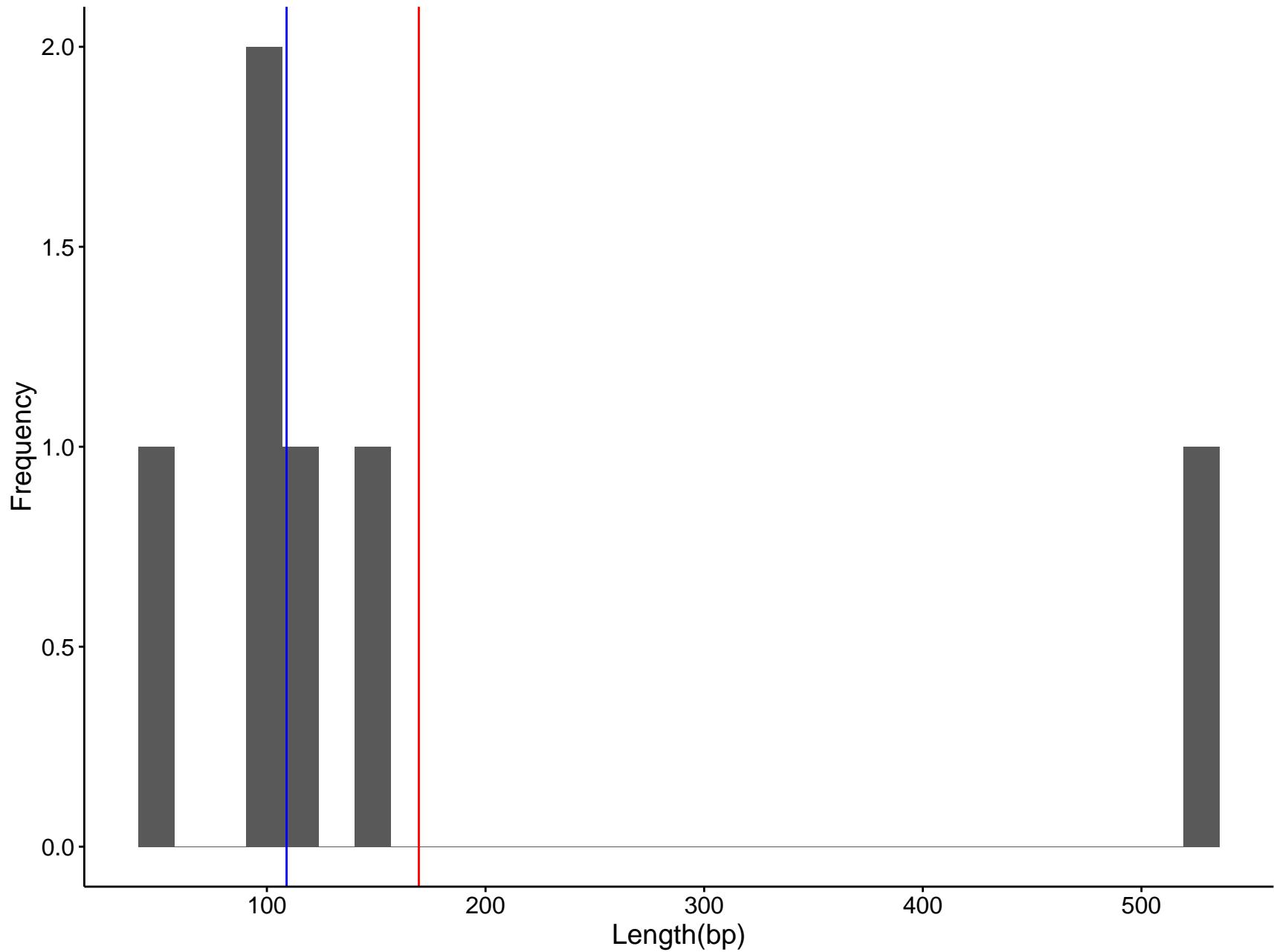
484.000

484.025

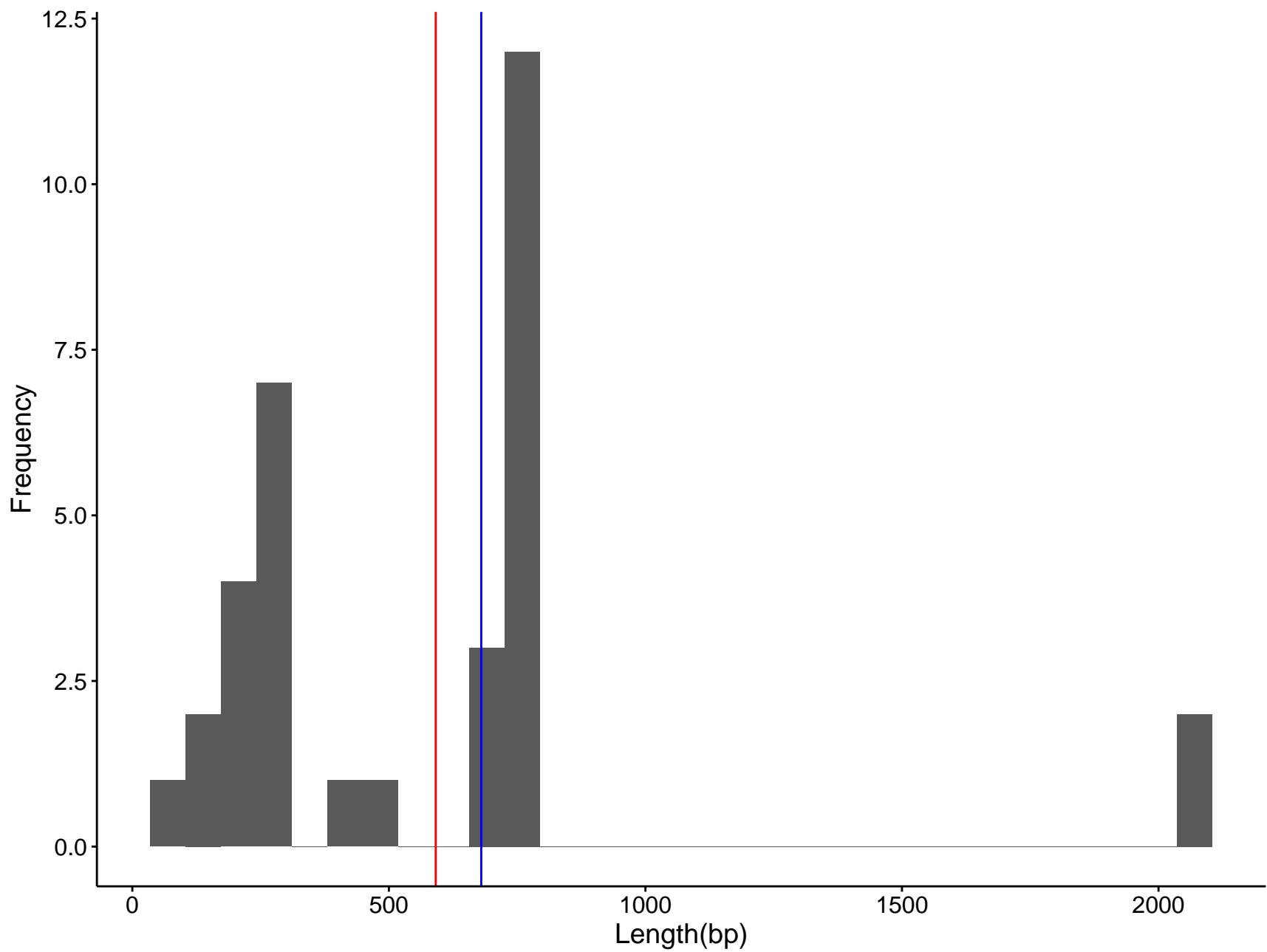
Length(bp)

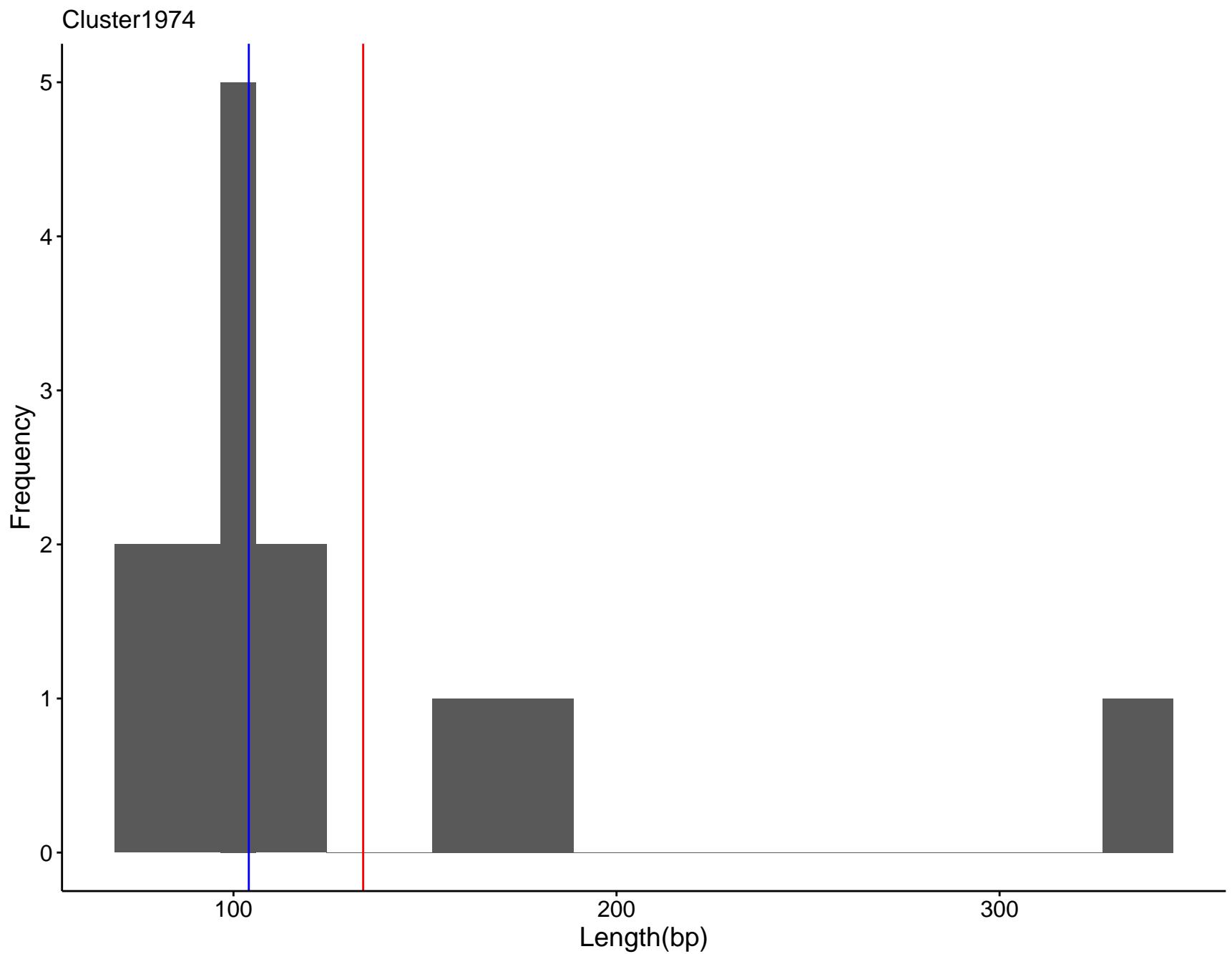


Cluster1970

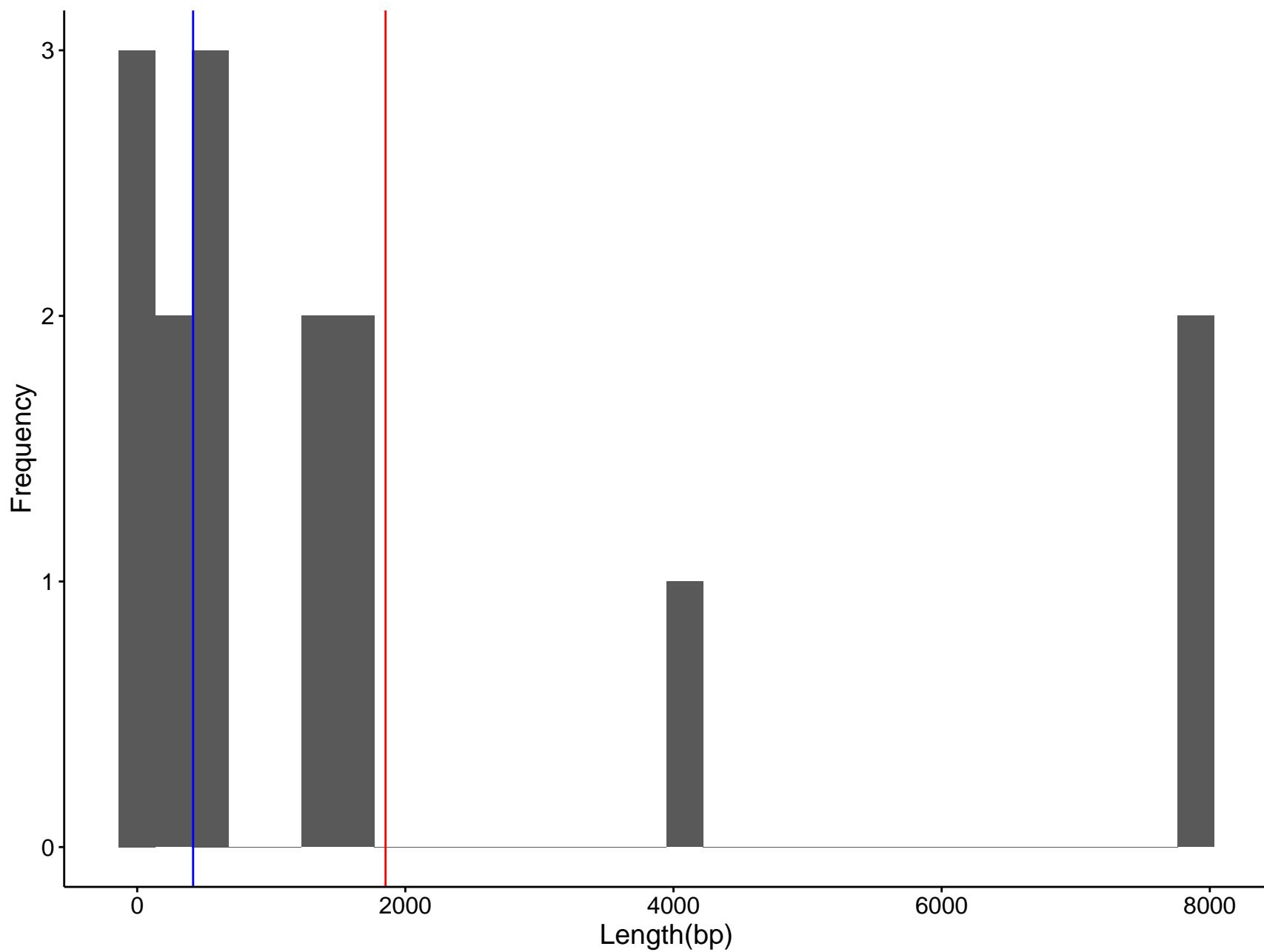


Cluster1972

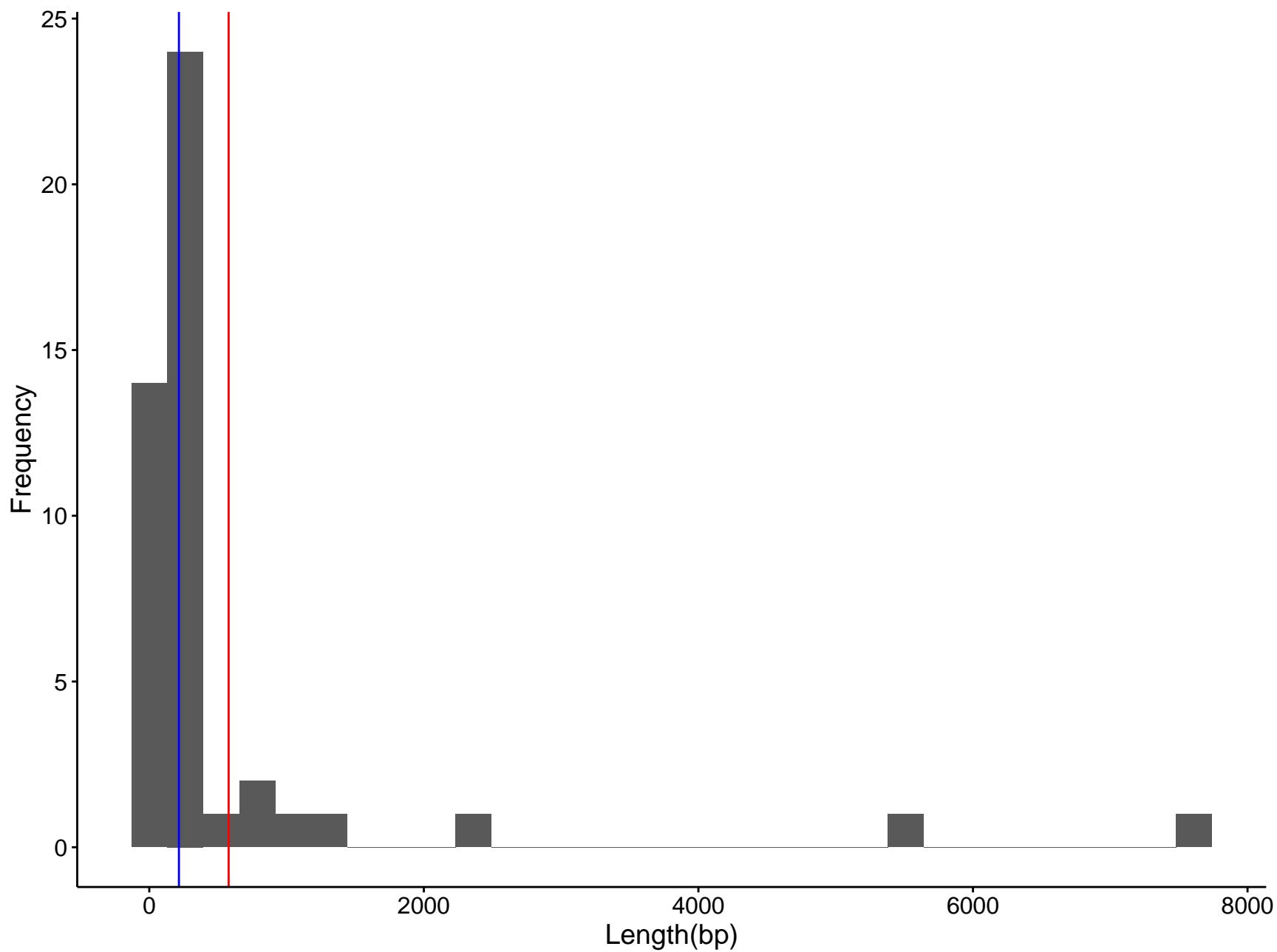




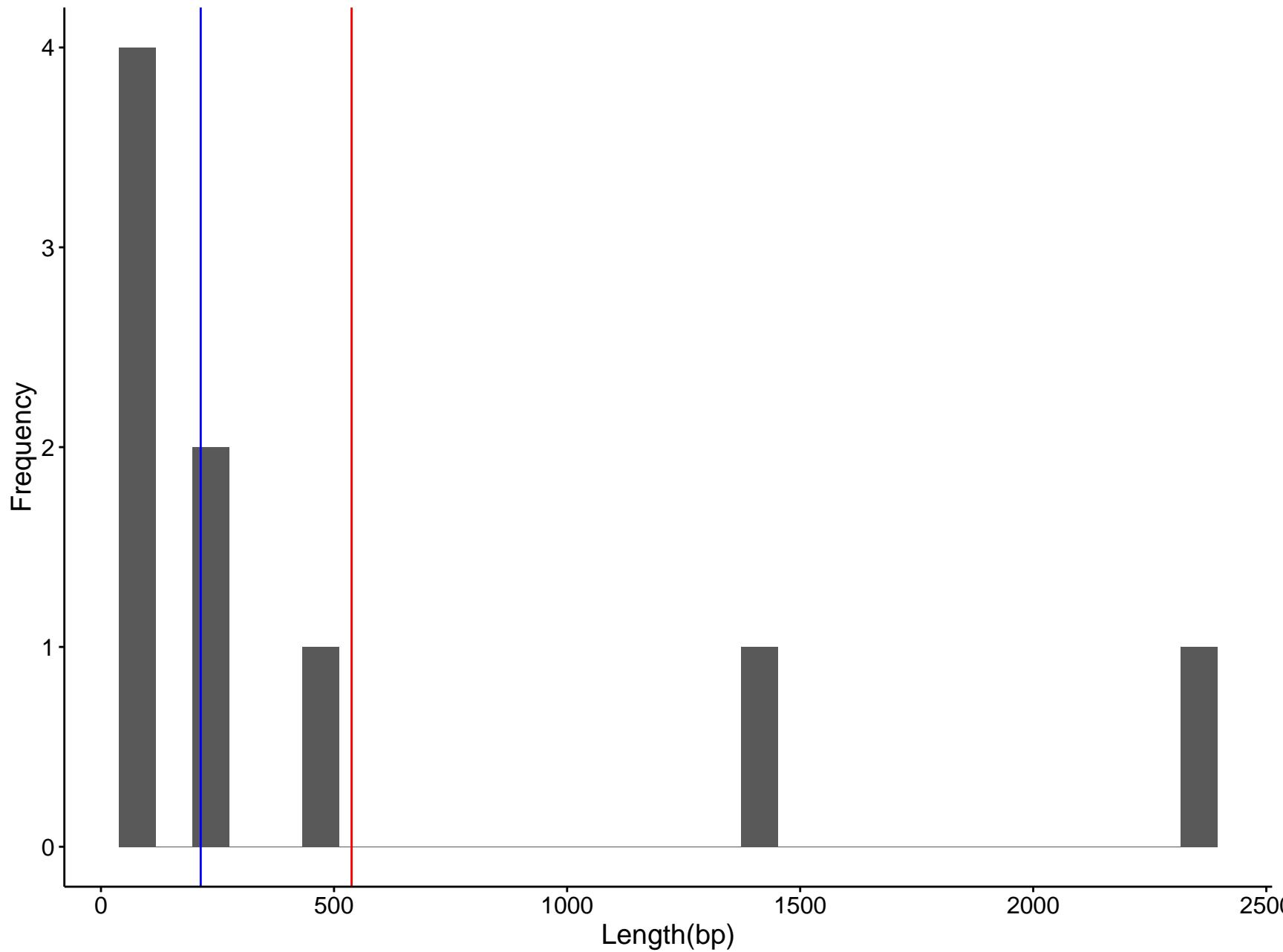
Cluster1975



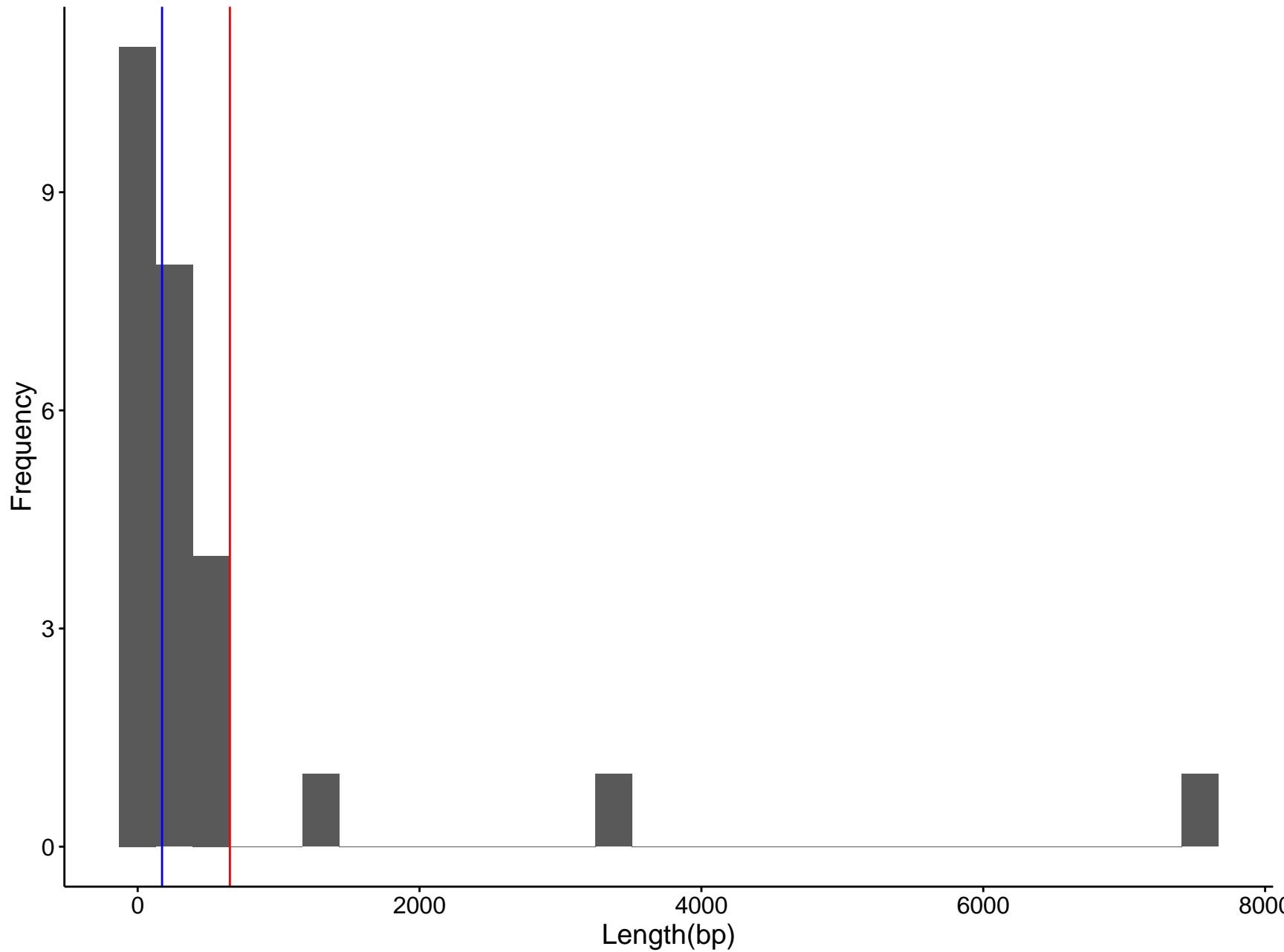
Cluster1976



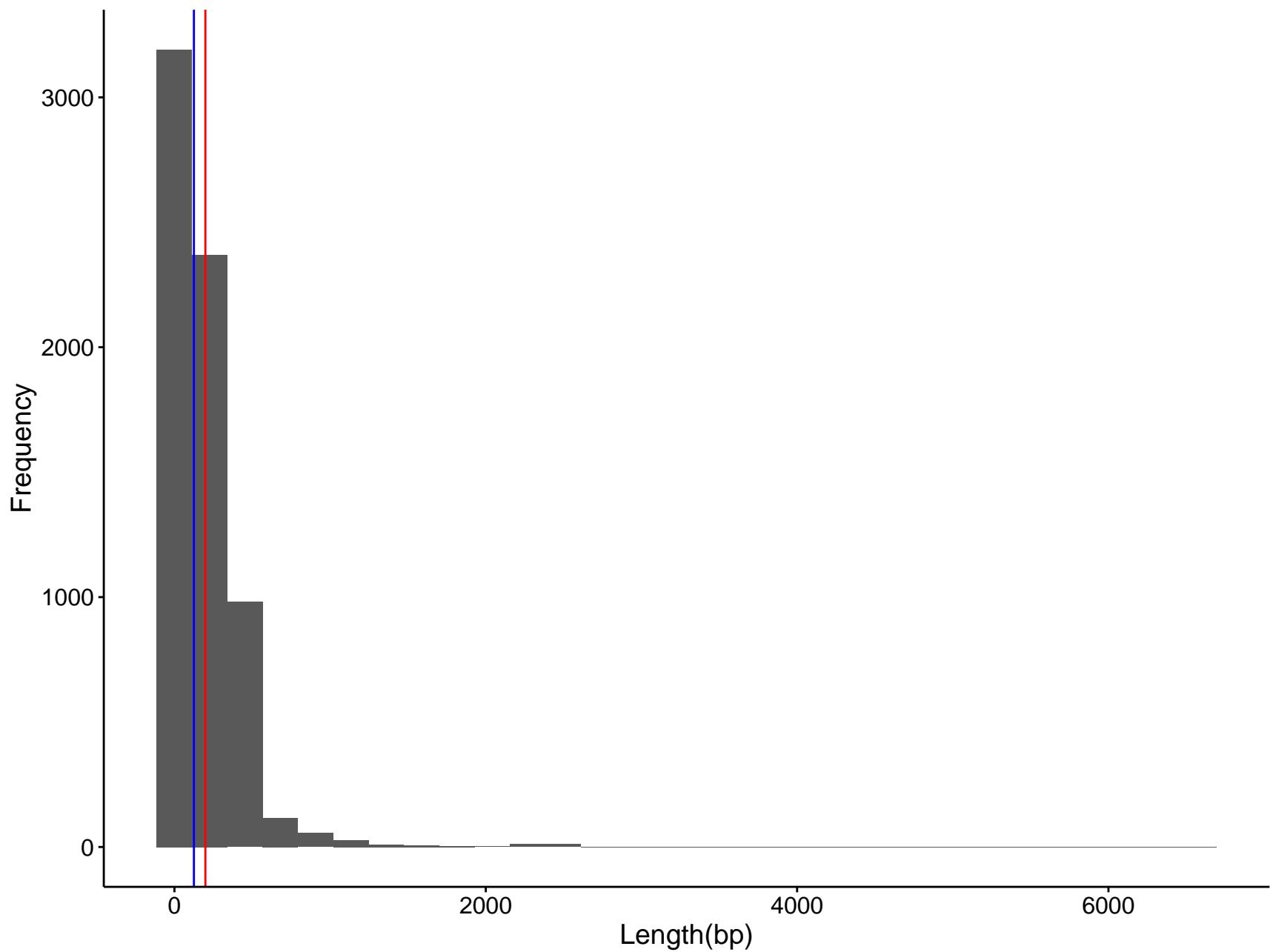
Cluster1977



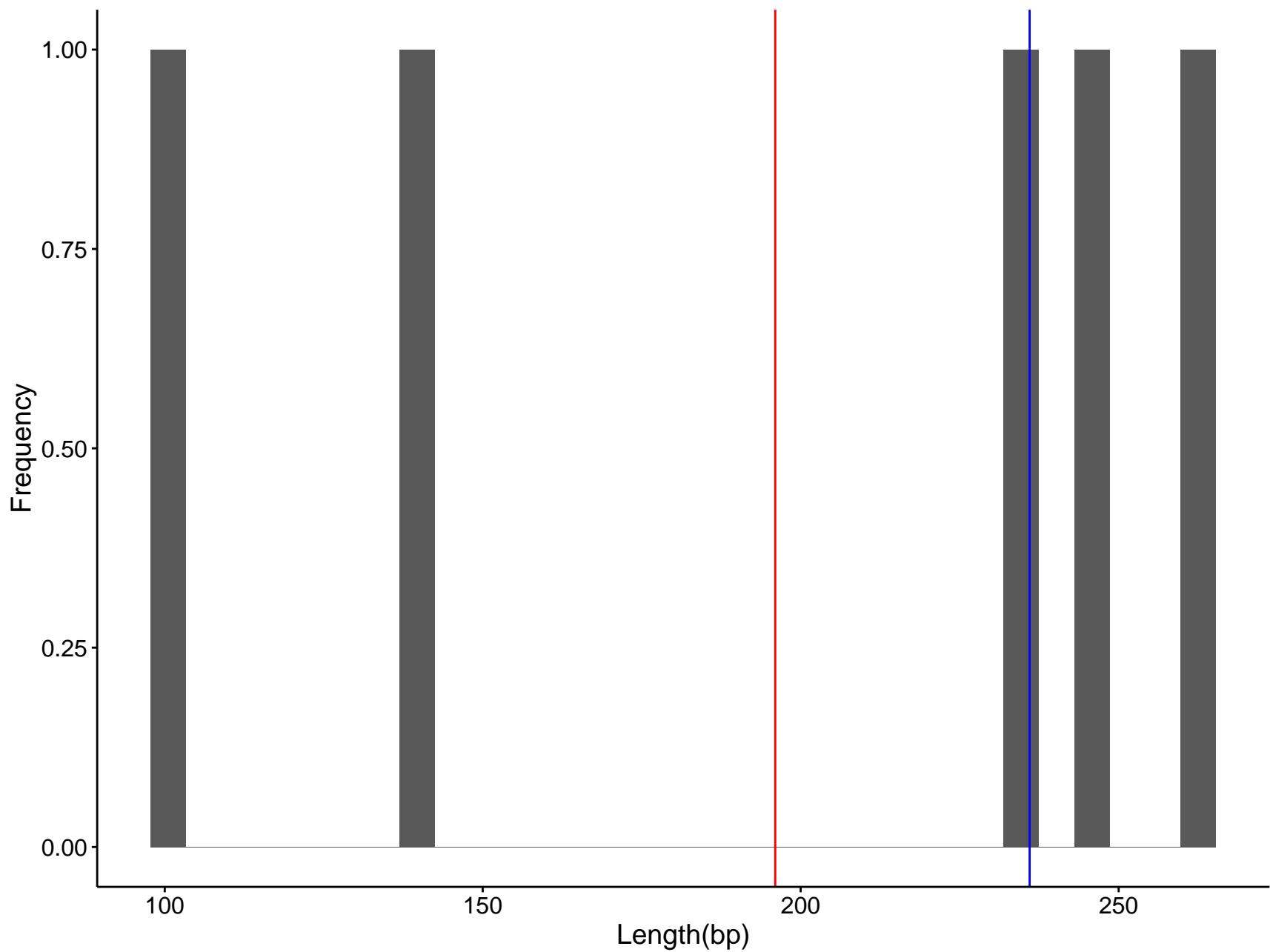
Cluster1978



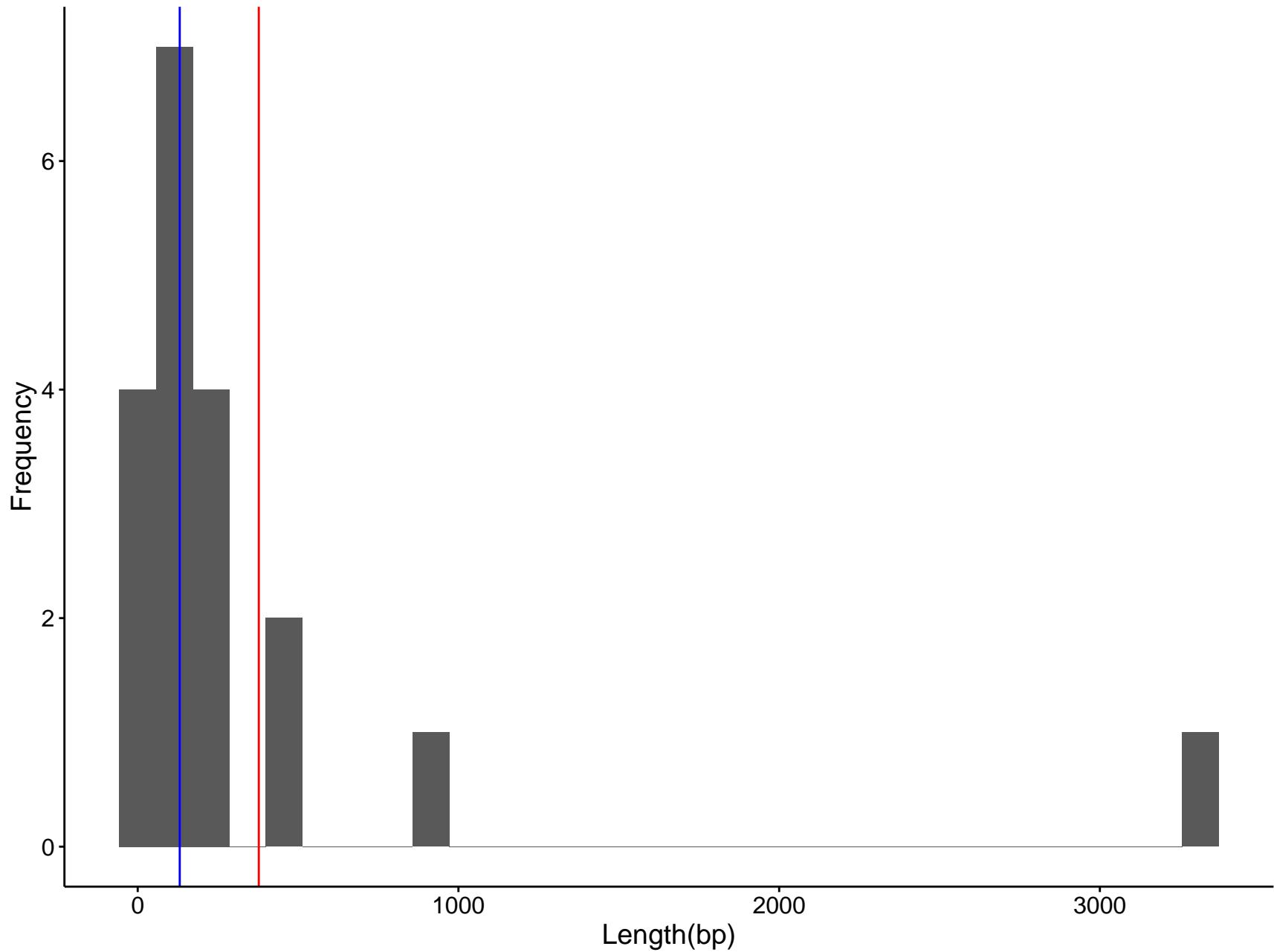
Cluster1979



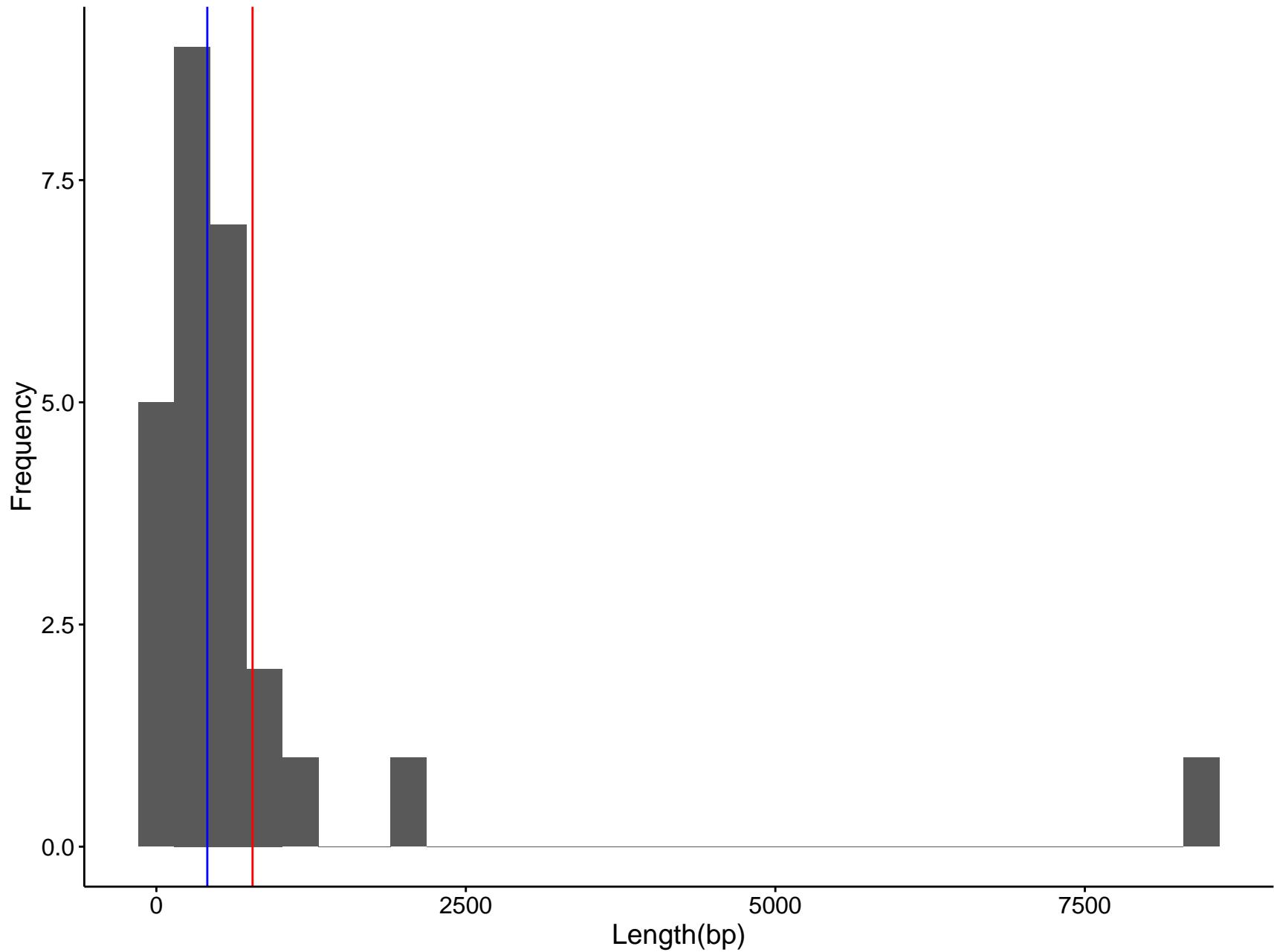
Cluster197



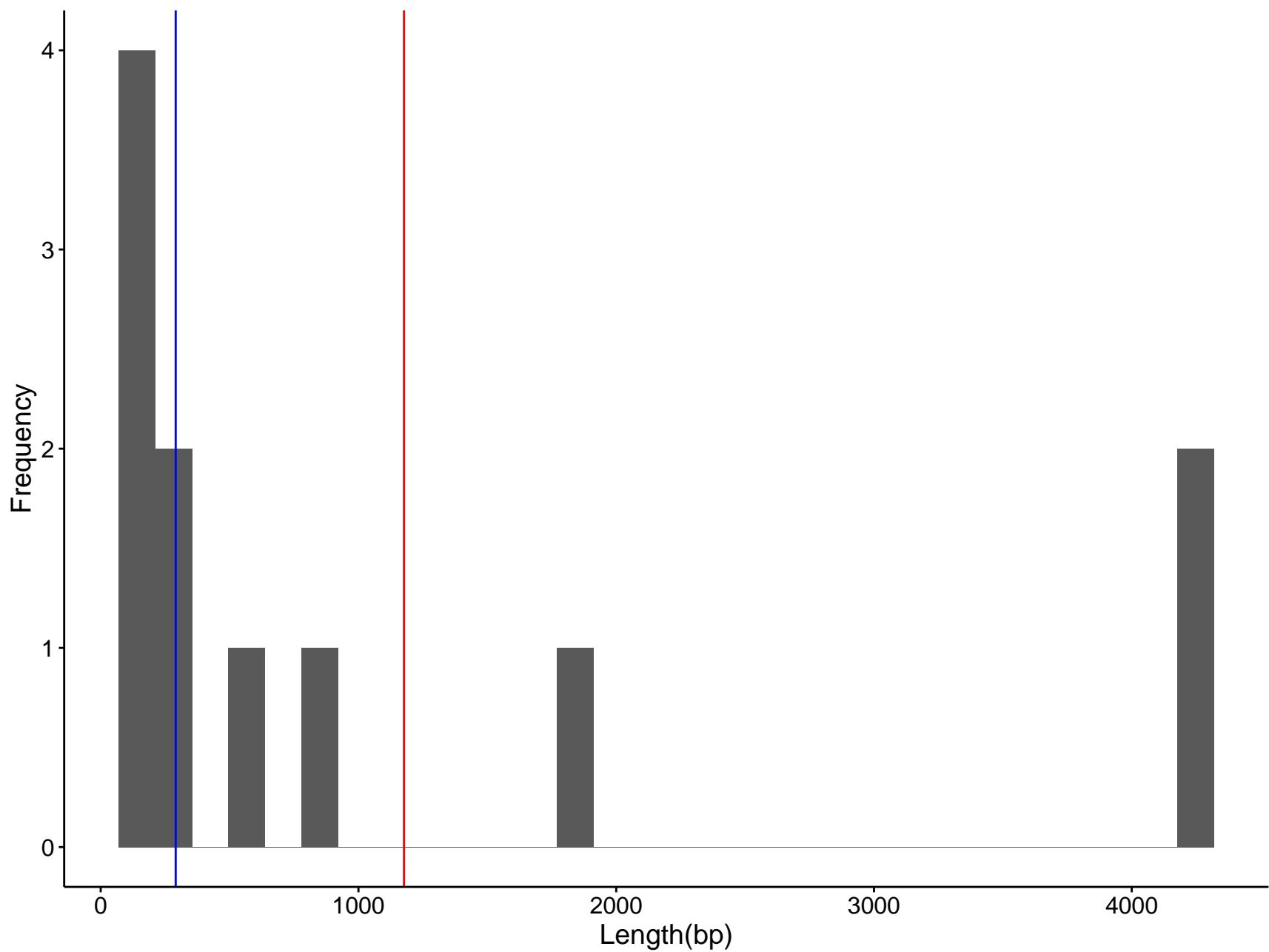
Cluster1980



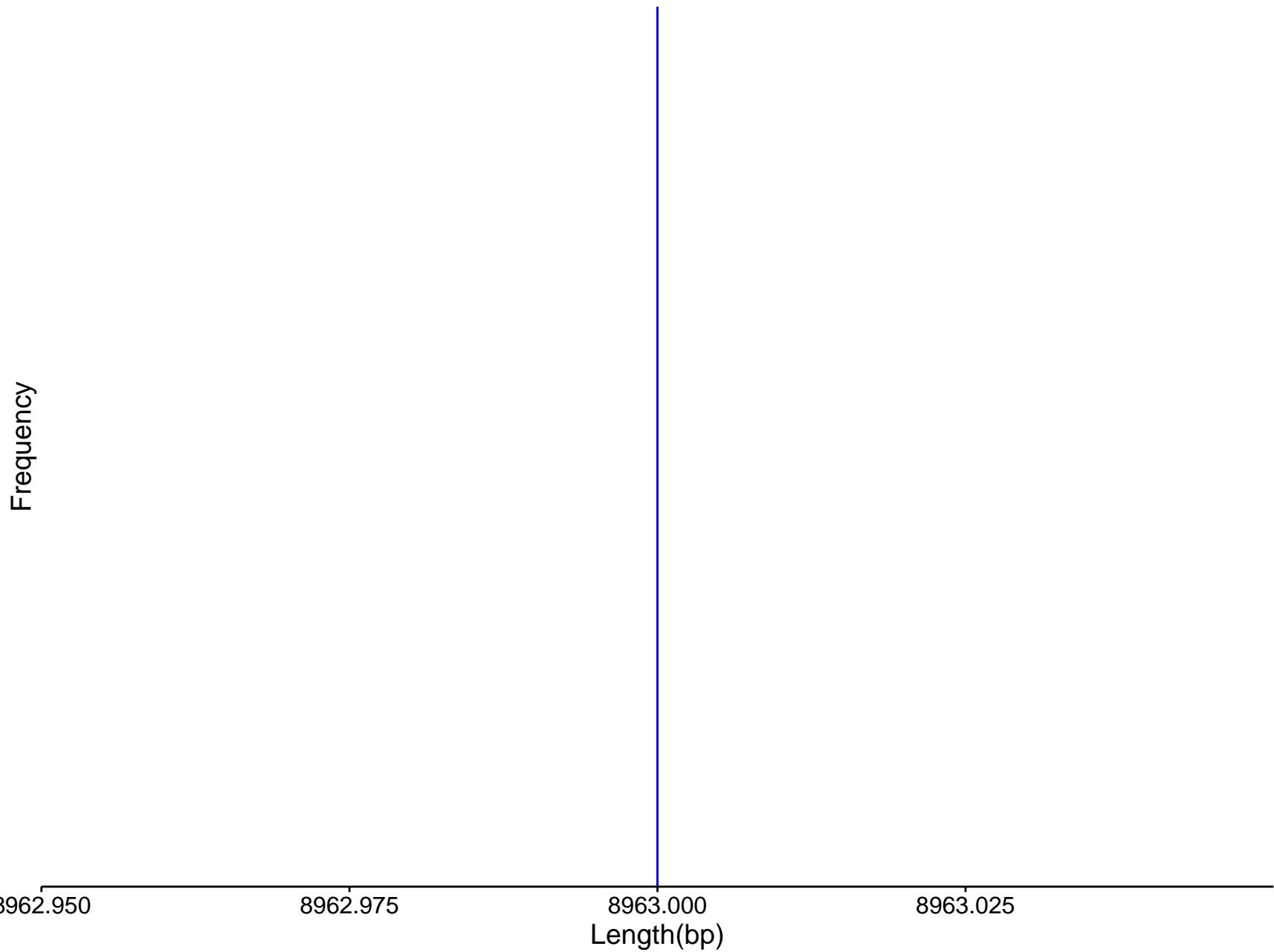
Cluster1981



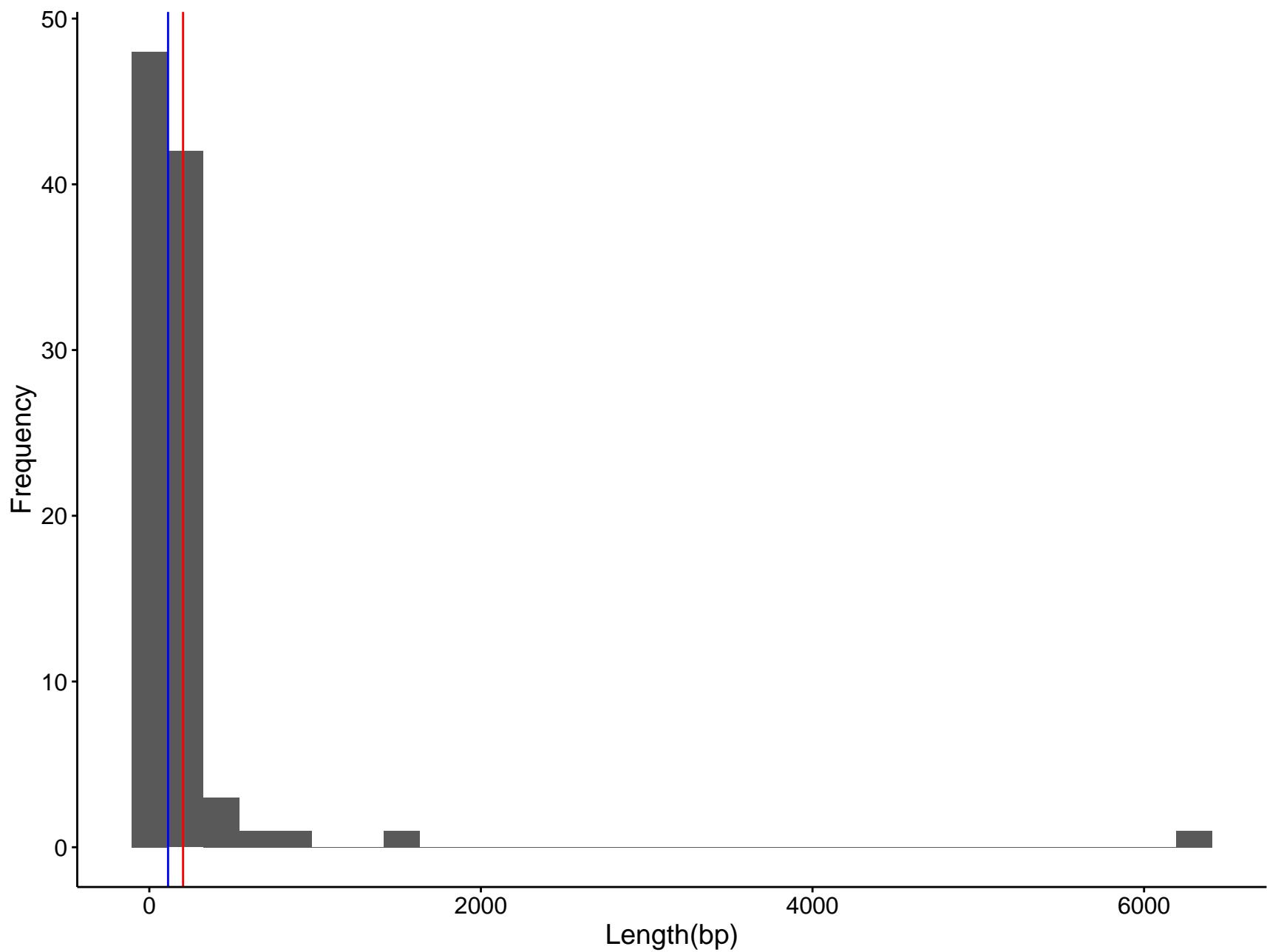
Cluster1982



# Cluster1983



Cluster1984



# Cluster1985

Frequency

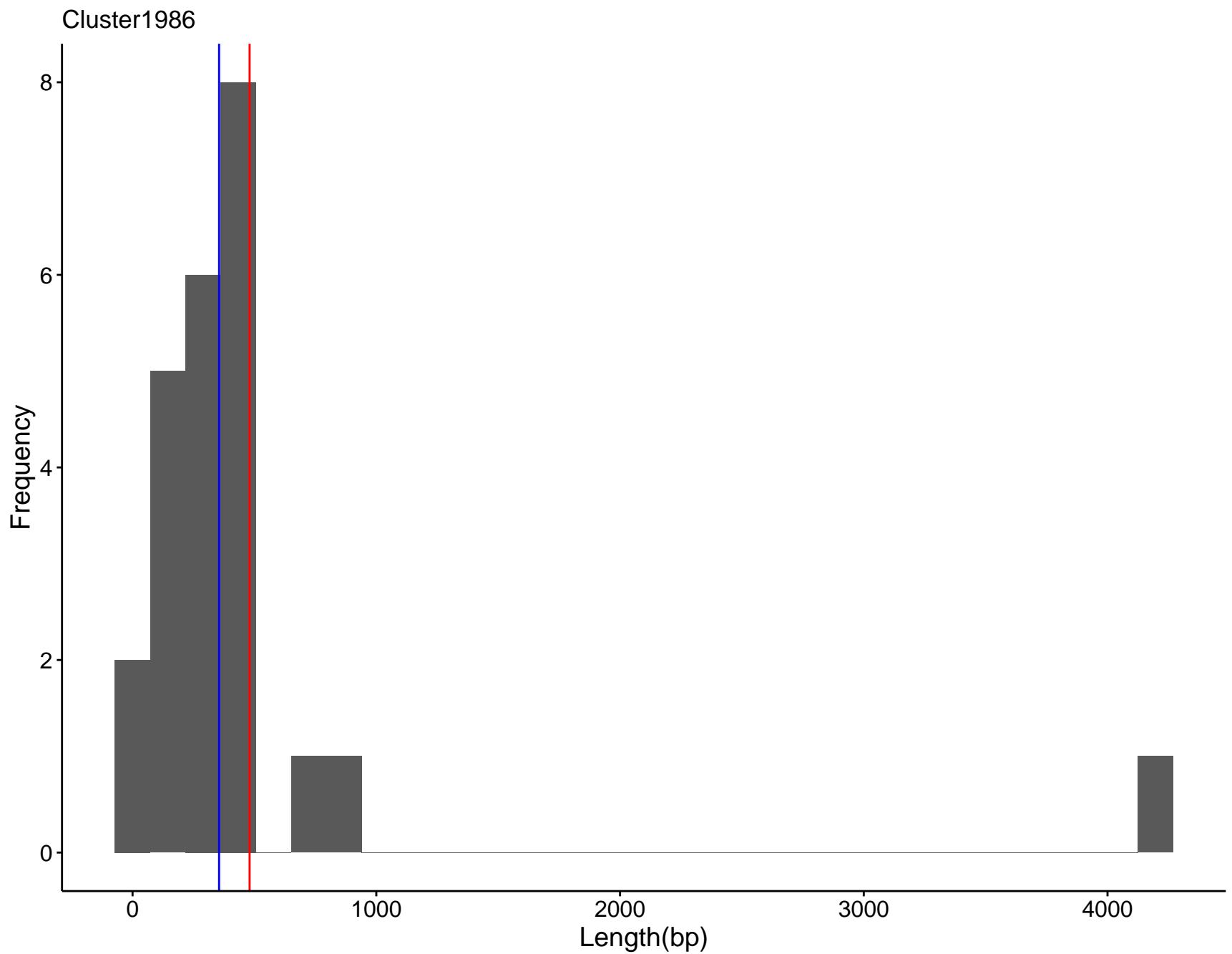
5496.950

5496.975

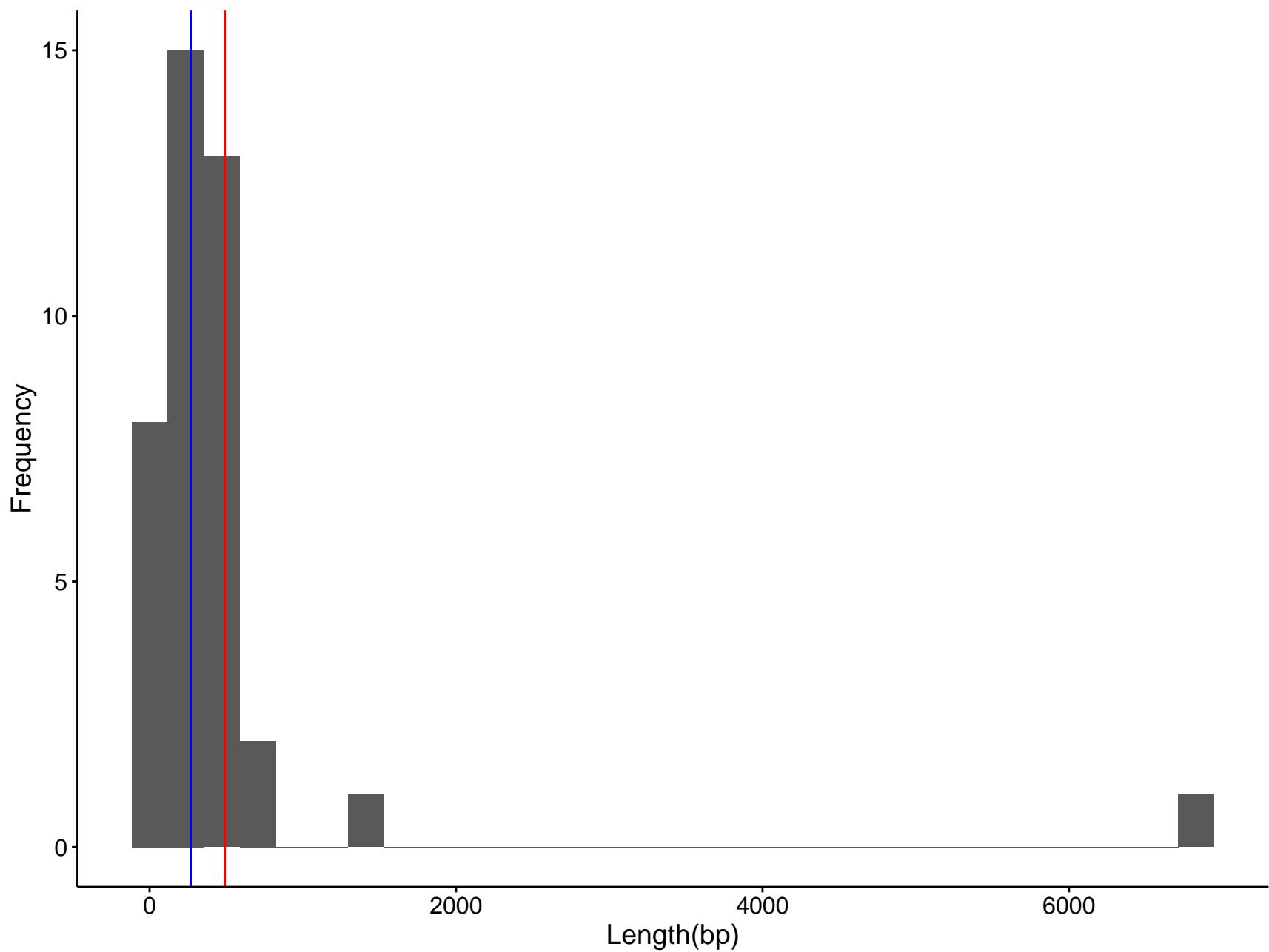
5497.000  
Length(bp)

5497.025

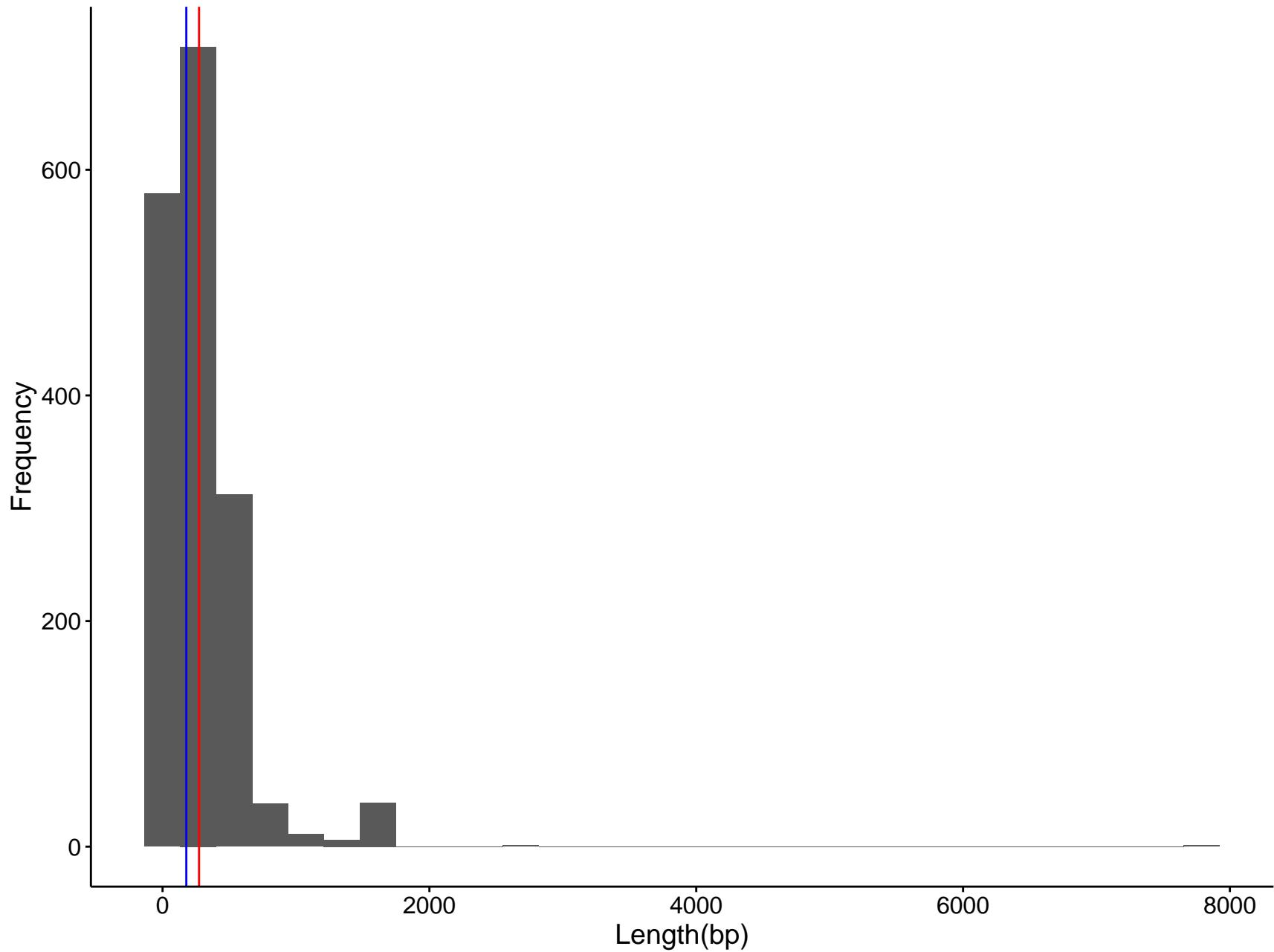




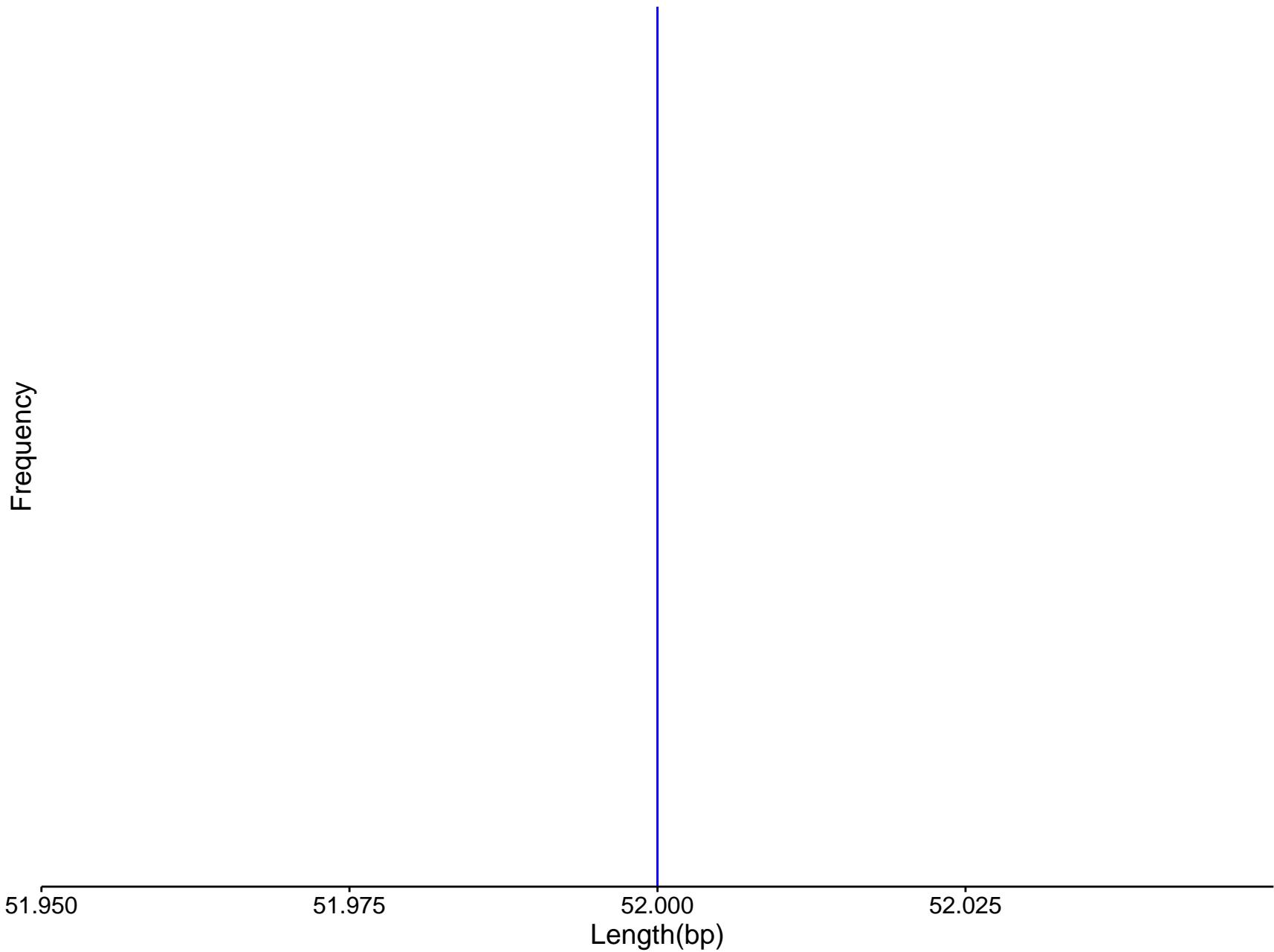
Cluster1988



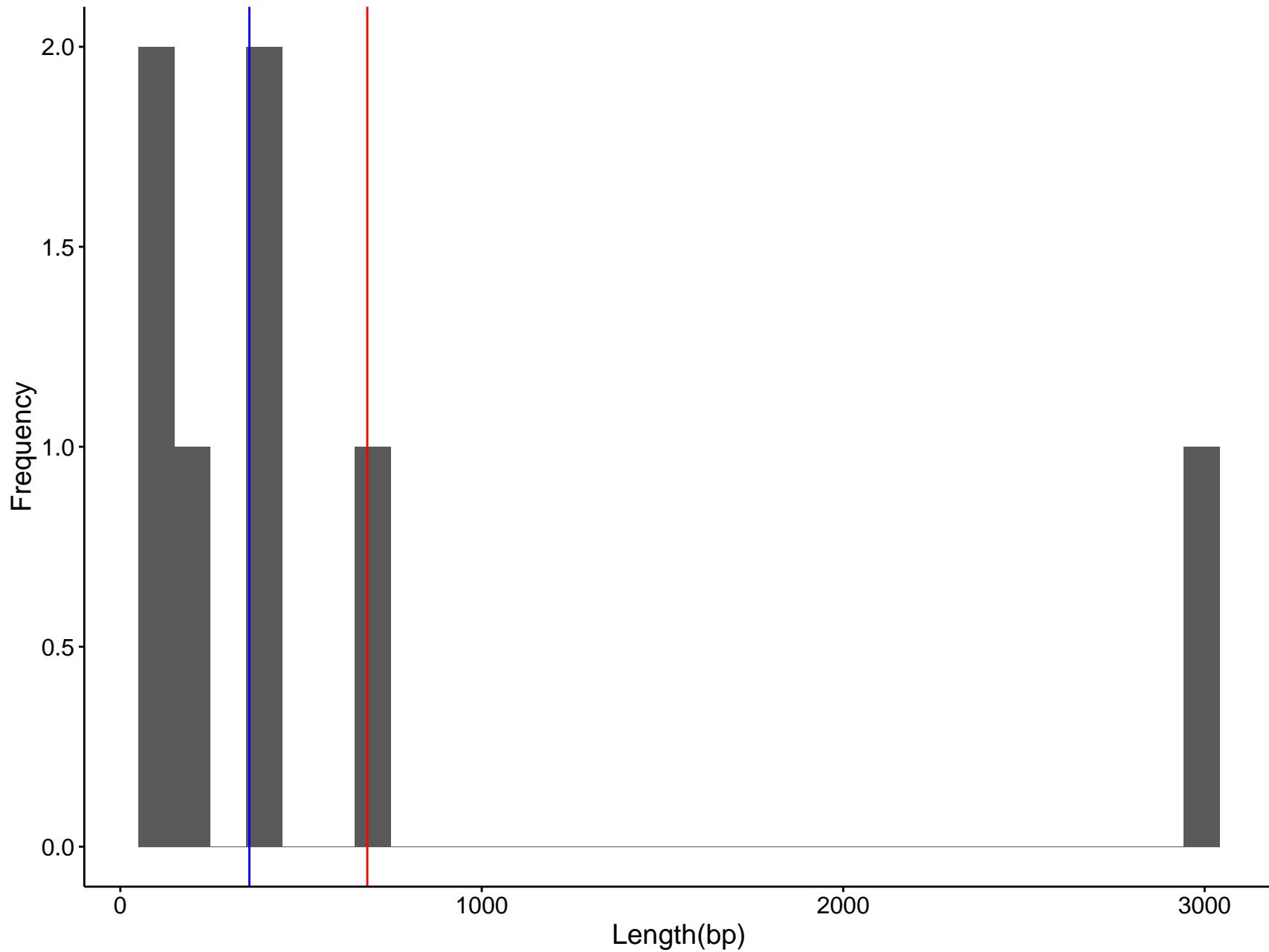
Cluster1989



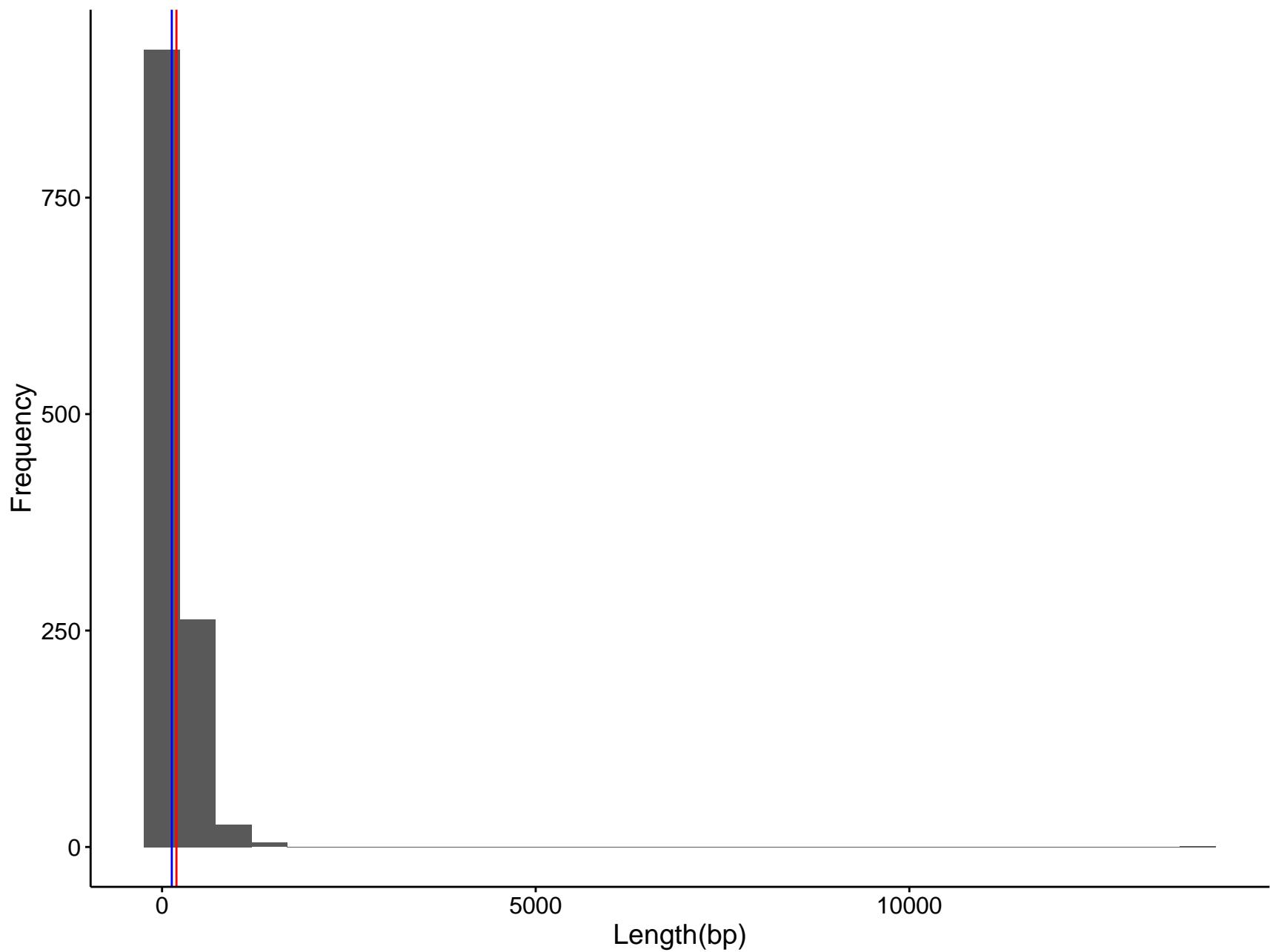
# Cluster198



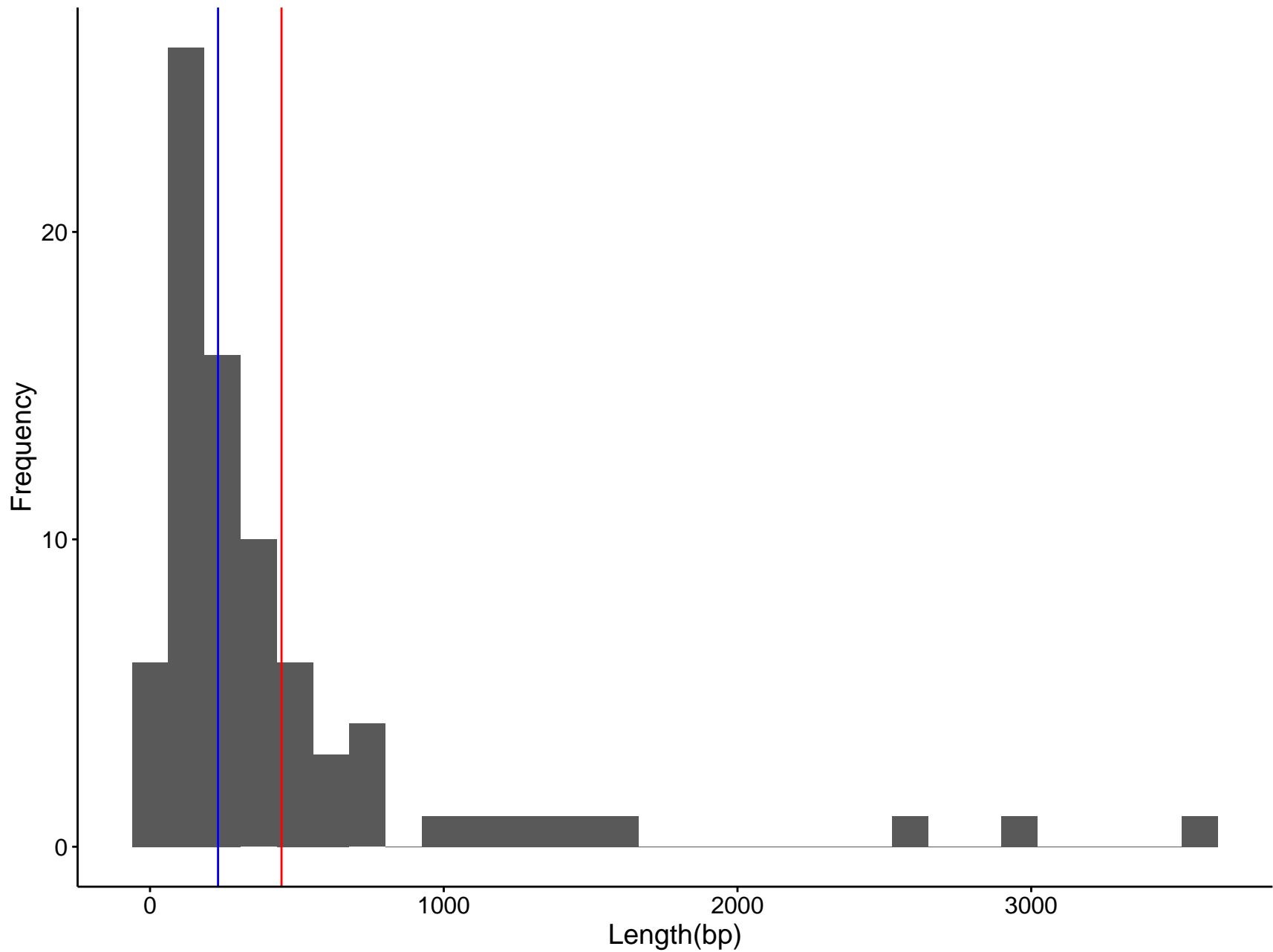
Cluster1990



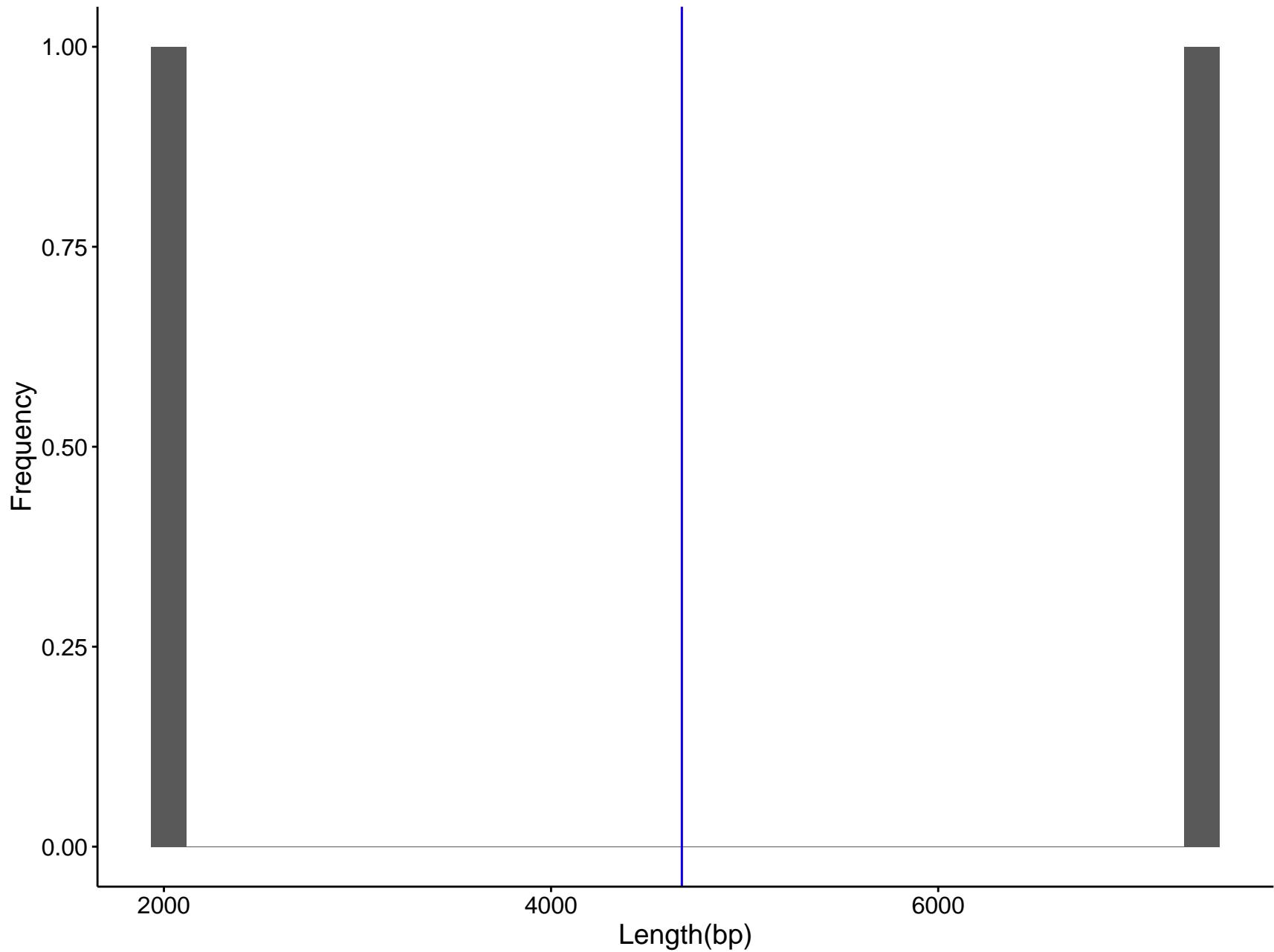
Cluster1991



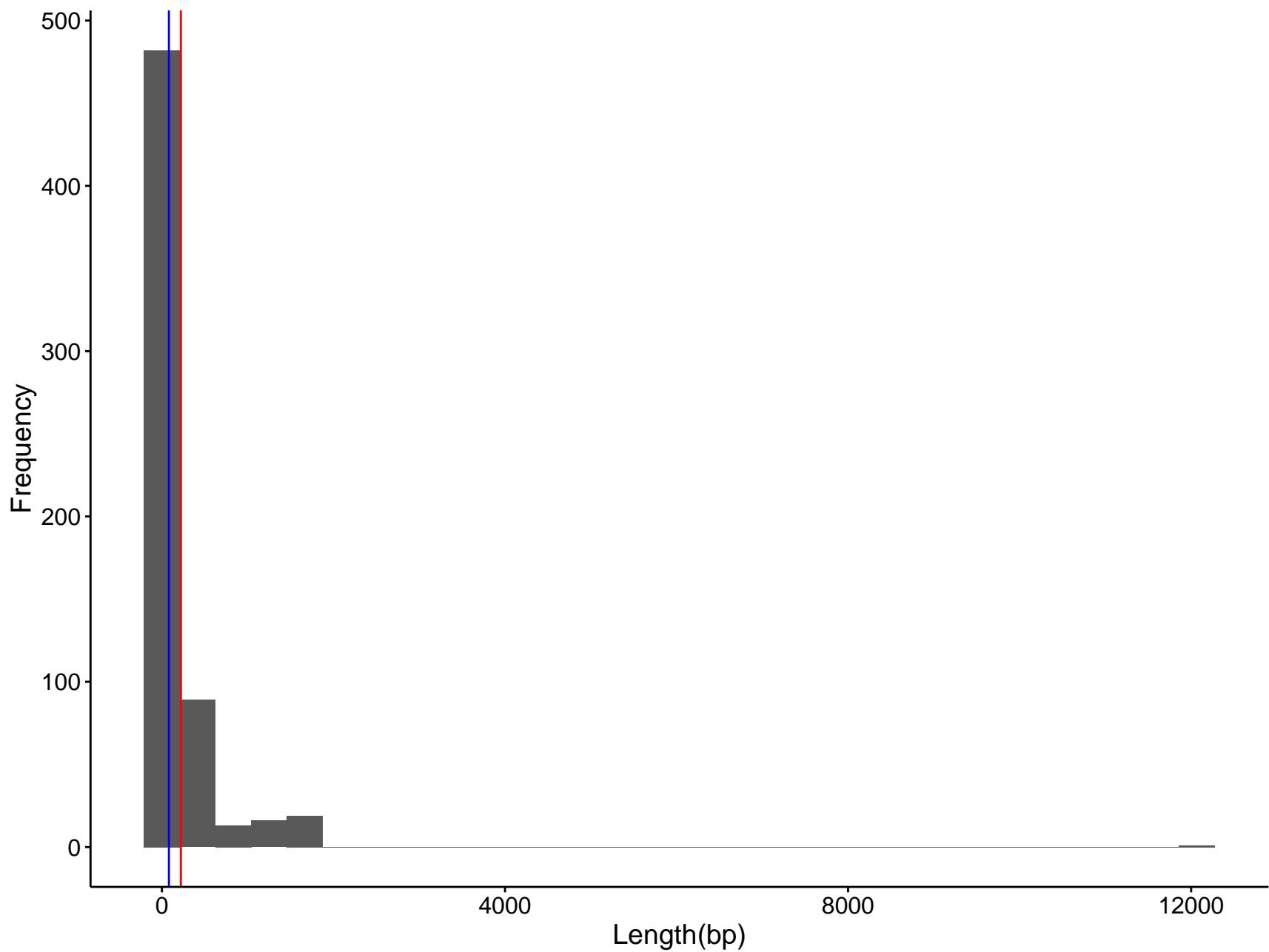
Cluster1992



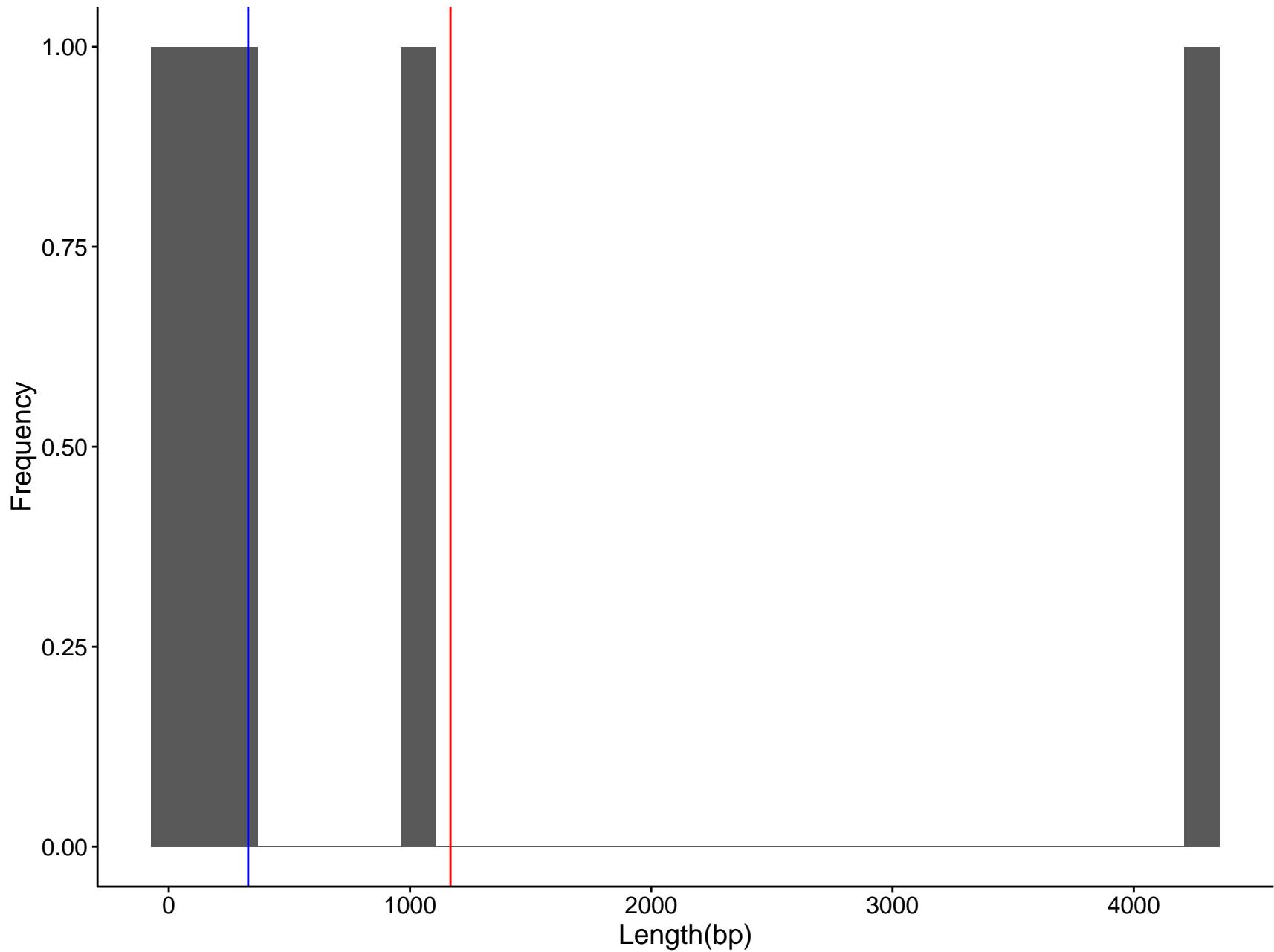
Cluster1993



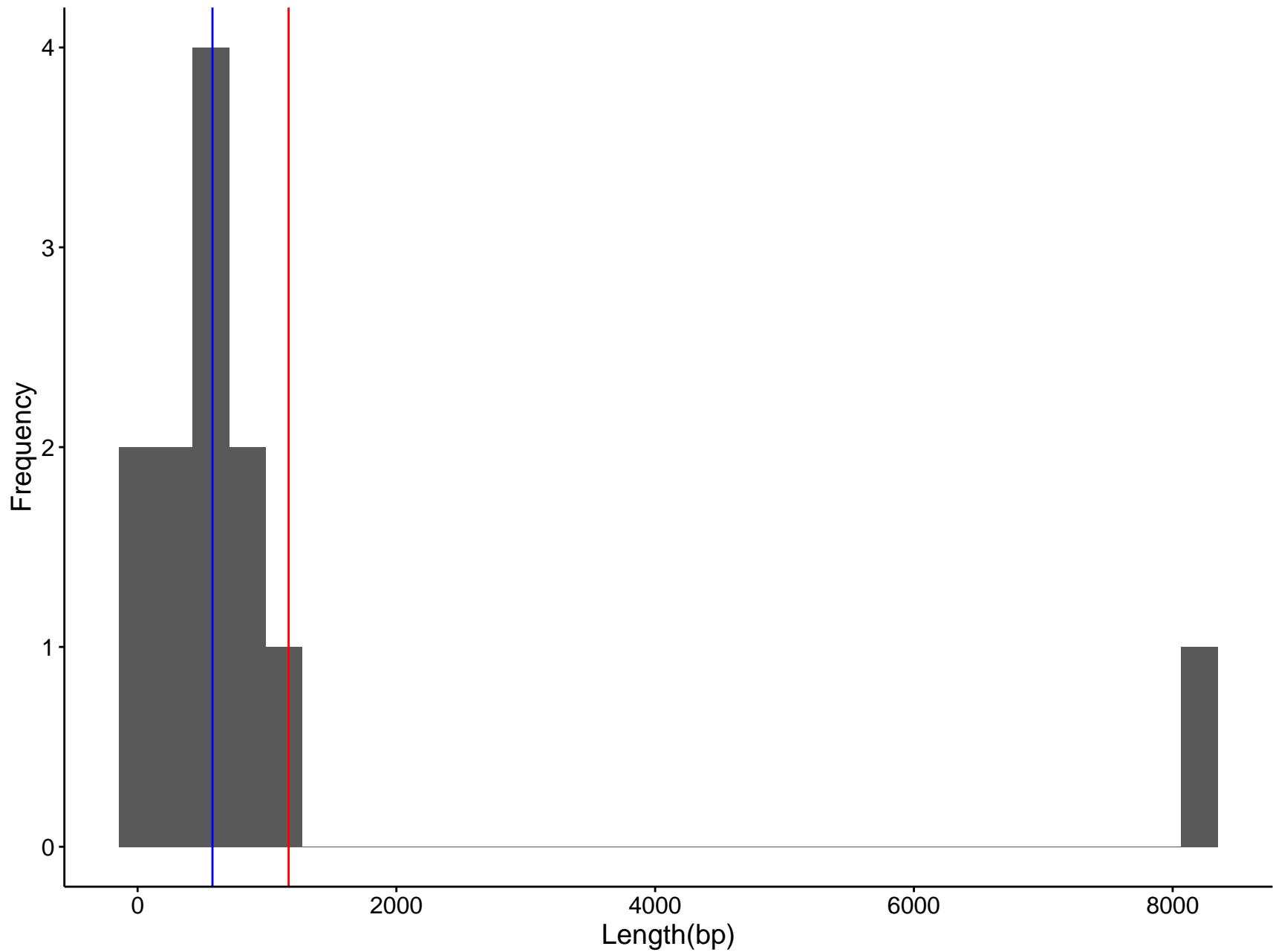
Cluster1994



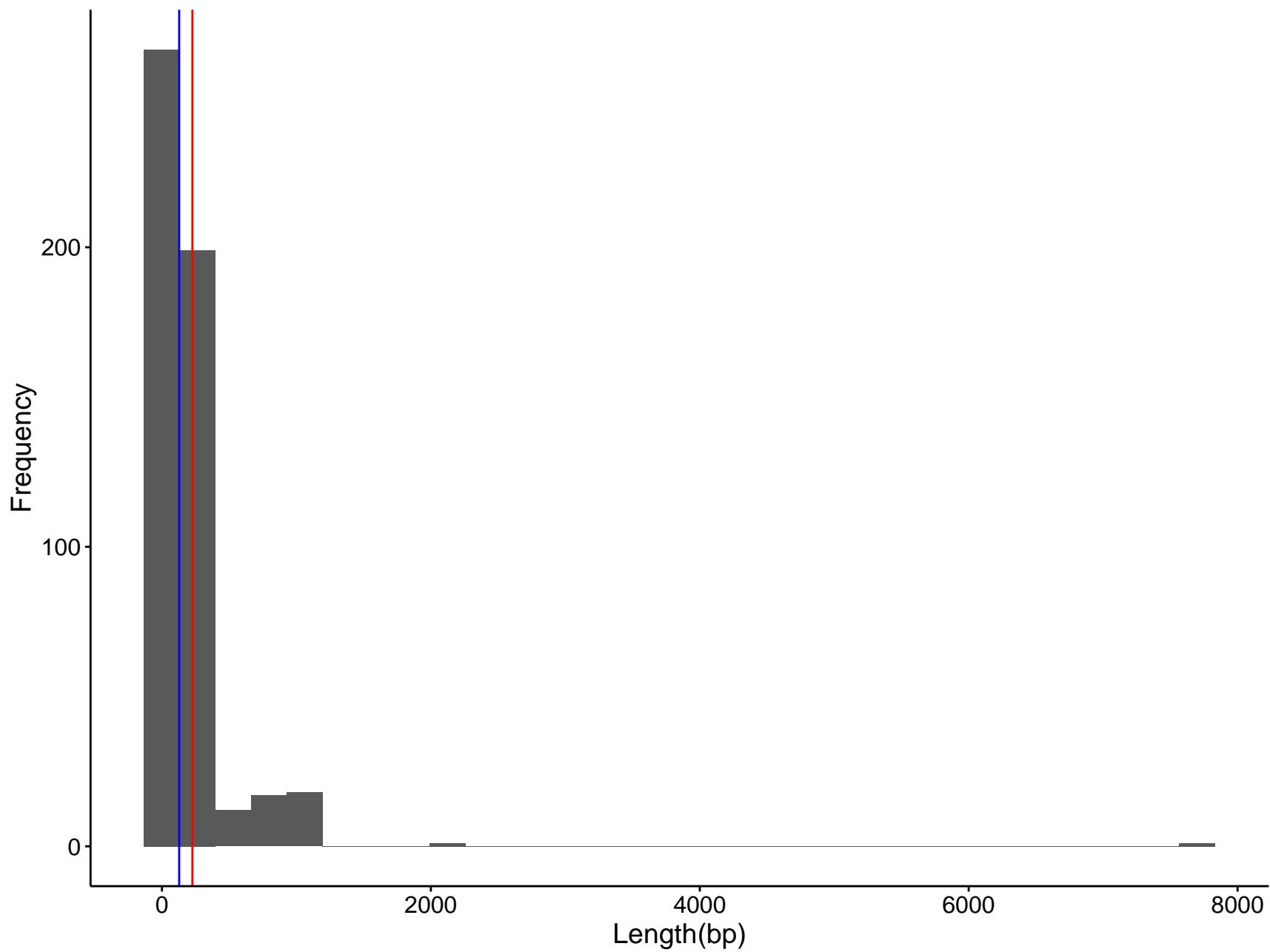
Cluster1995



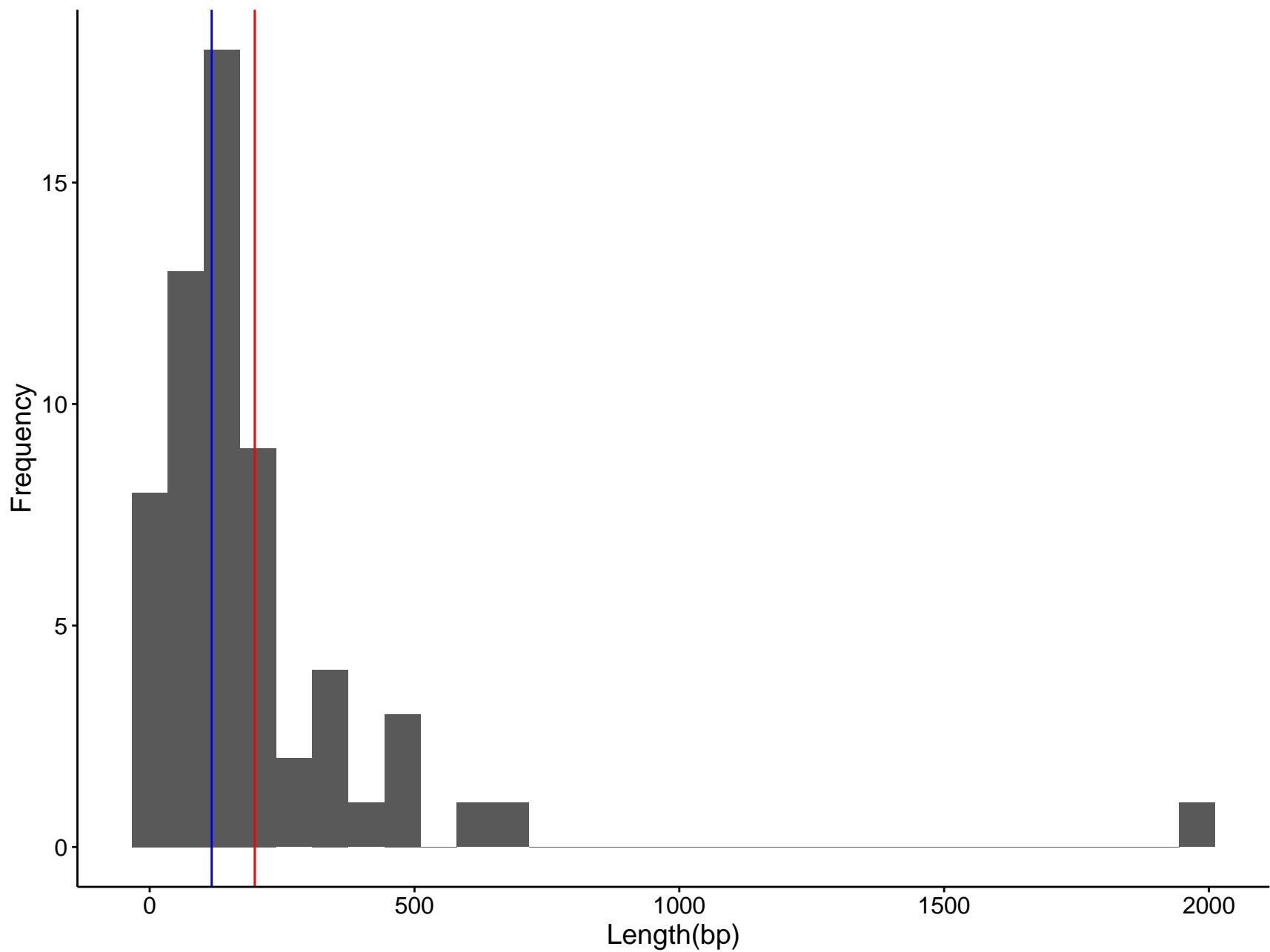
Cluster1996



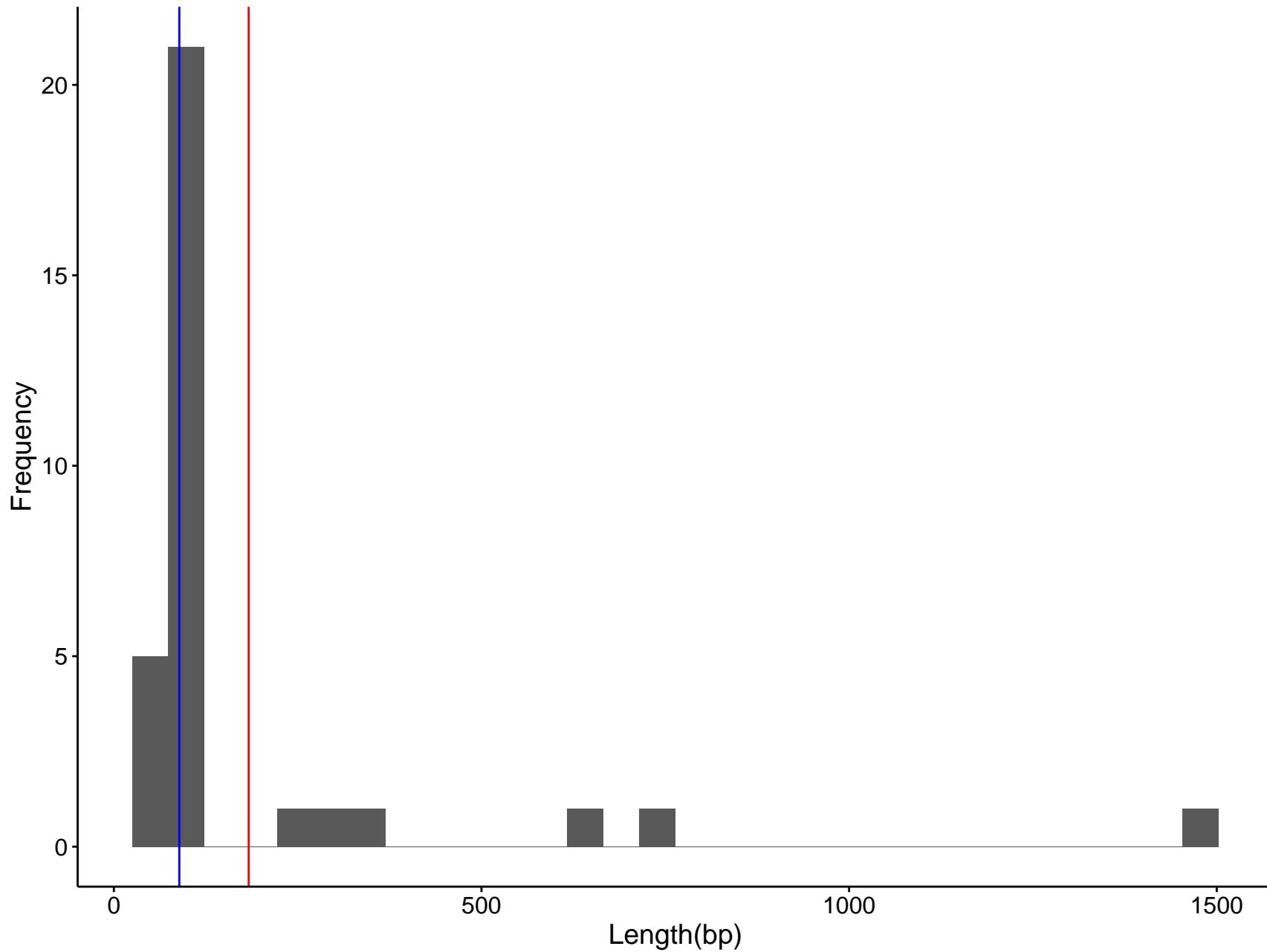
Cluster1997

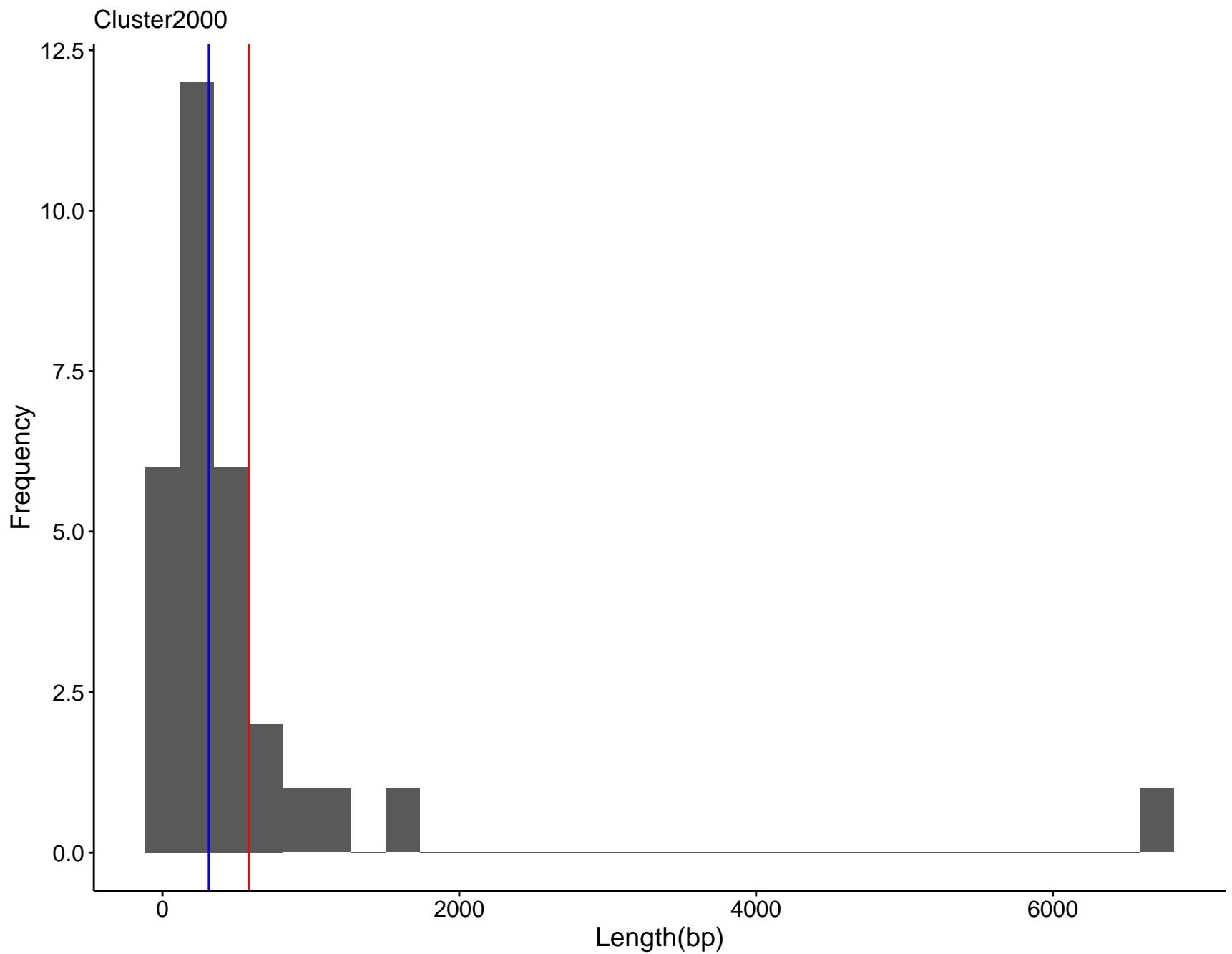


Cluster1998

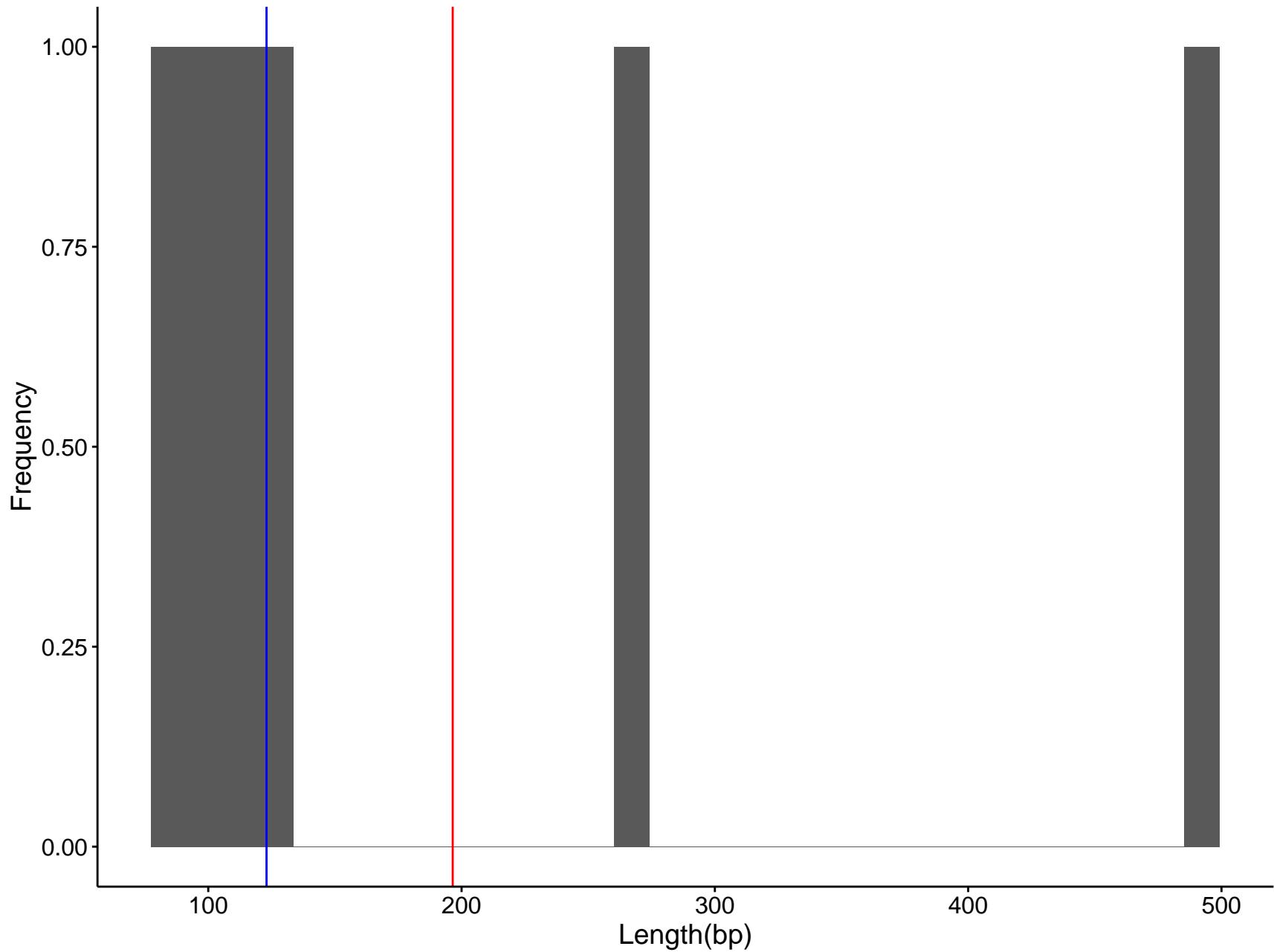


Cluster1999





Cluster2002



Cluster2003

Frequency

258.950

258.975

259.000

259.025

259.050

Length(bp)



Cluster2005

Frequency

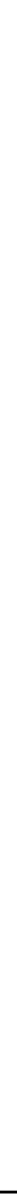
471.950

471.975

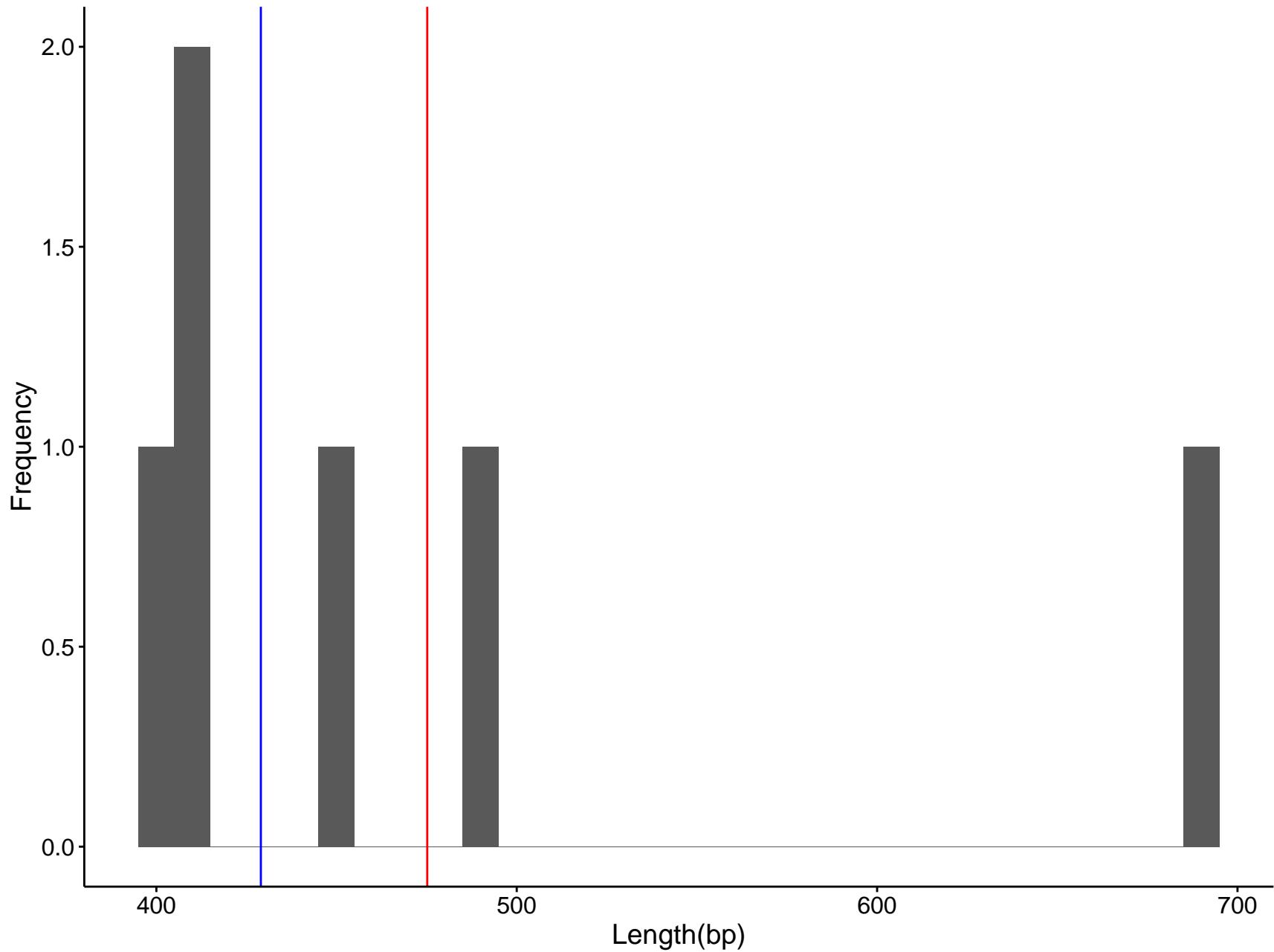
472.000

472.025

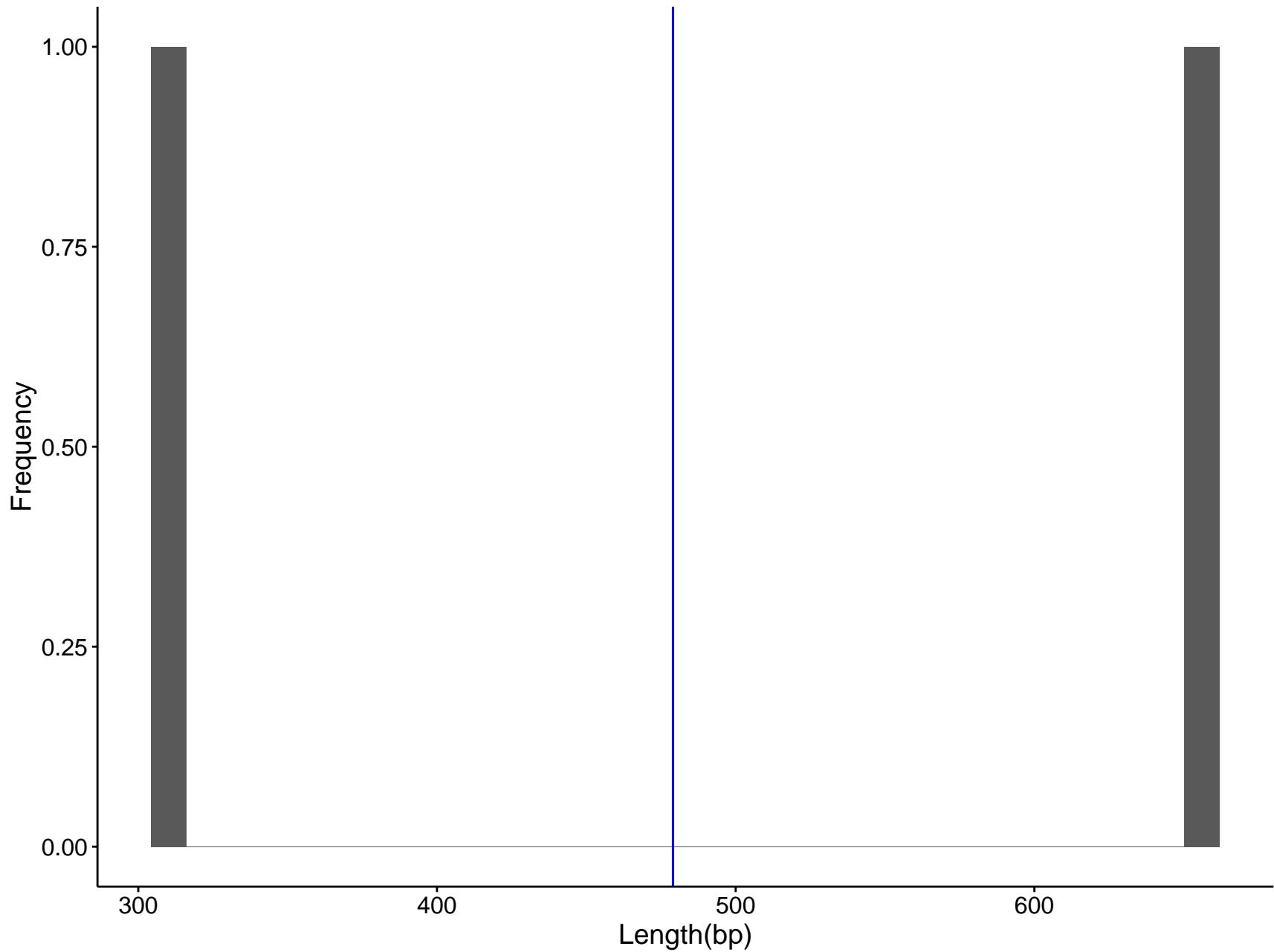
Length(bp)



Cluster2006



Cluster2007



Cluster2008

Frequency

552.950

552.975

553.000

553.025

Length(bp)



Cluster2009

Frequency

147.950

147.975

148.000

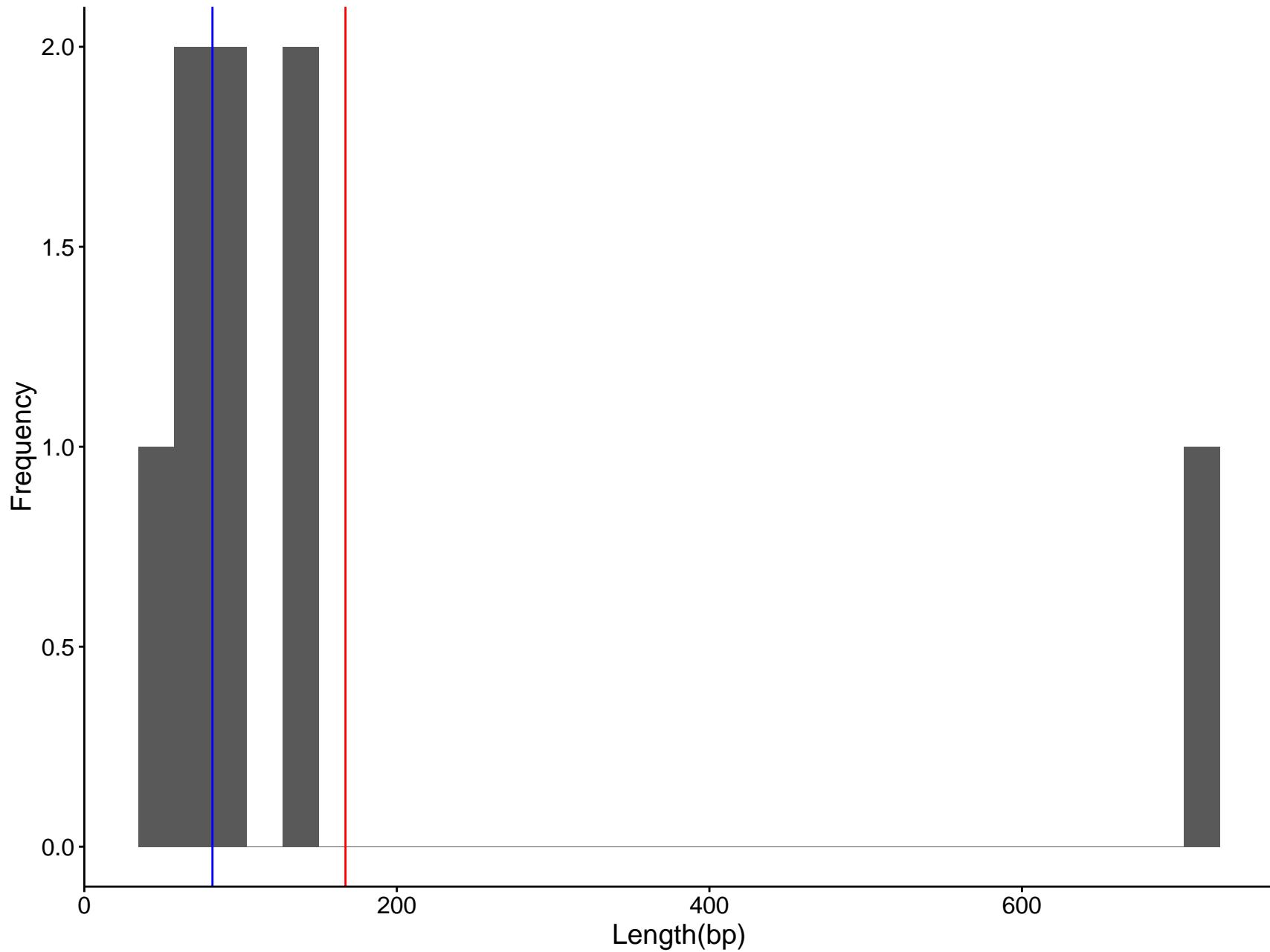
148.025

148.050

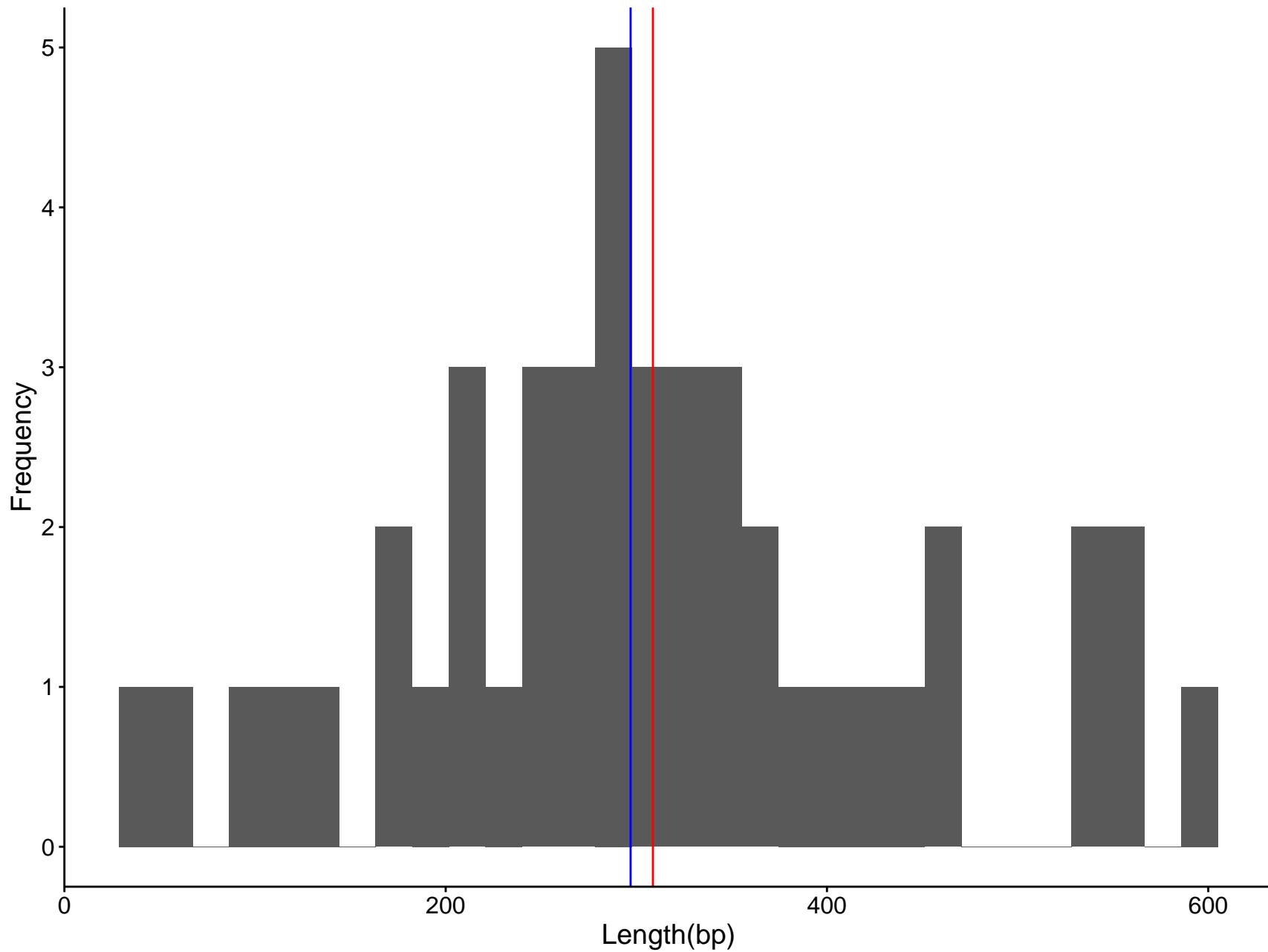
Length(bp)



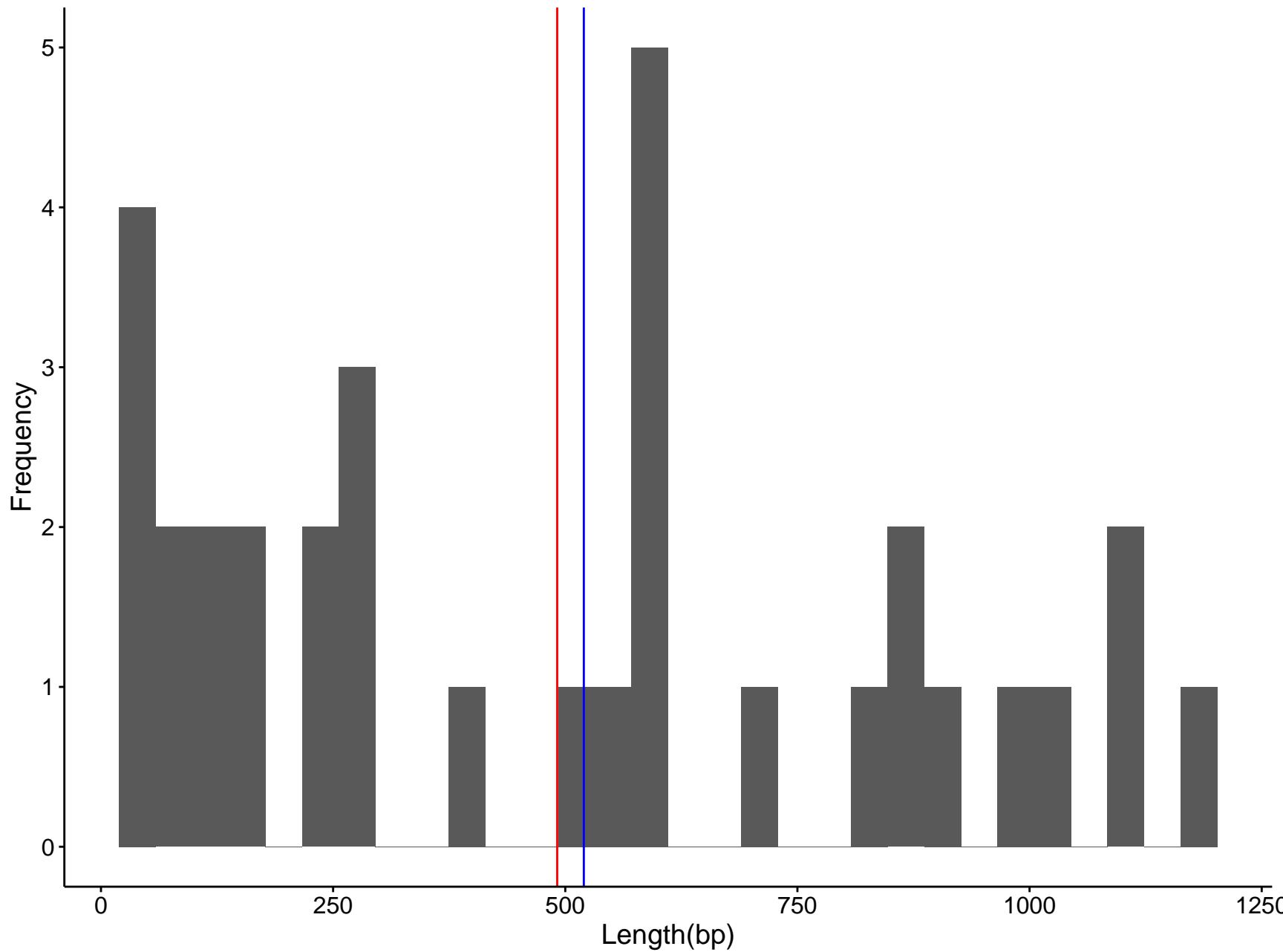
Cluster200



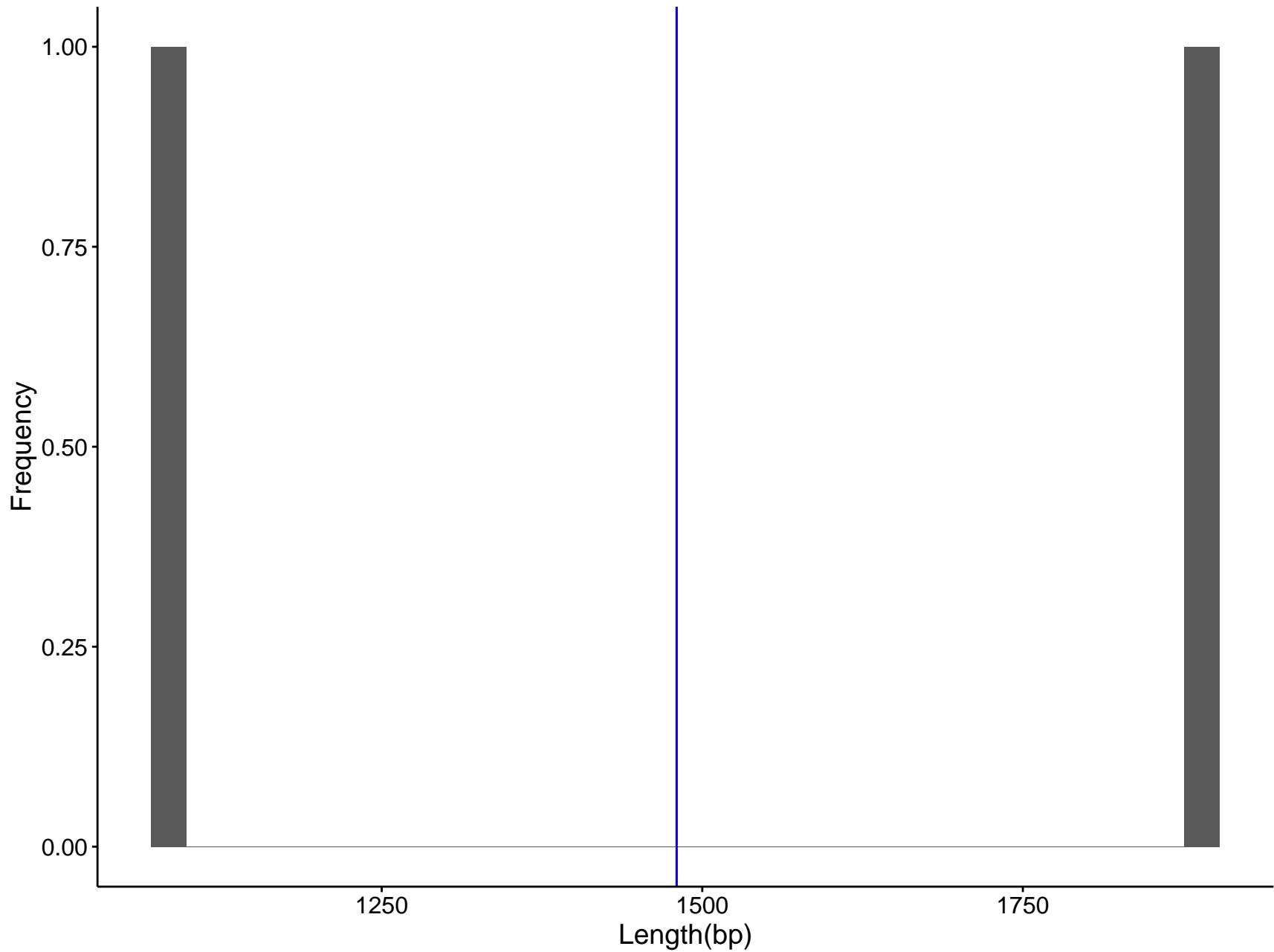
Cluster2010

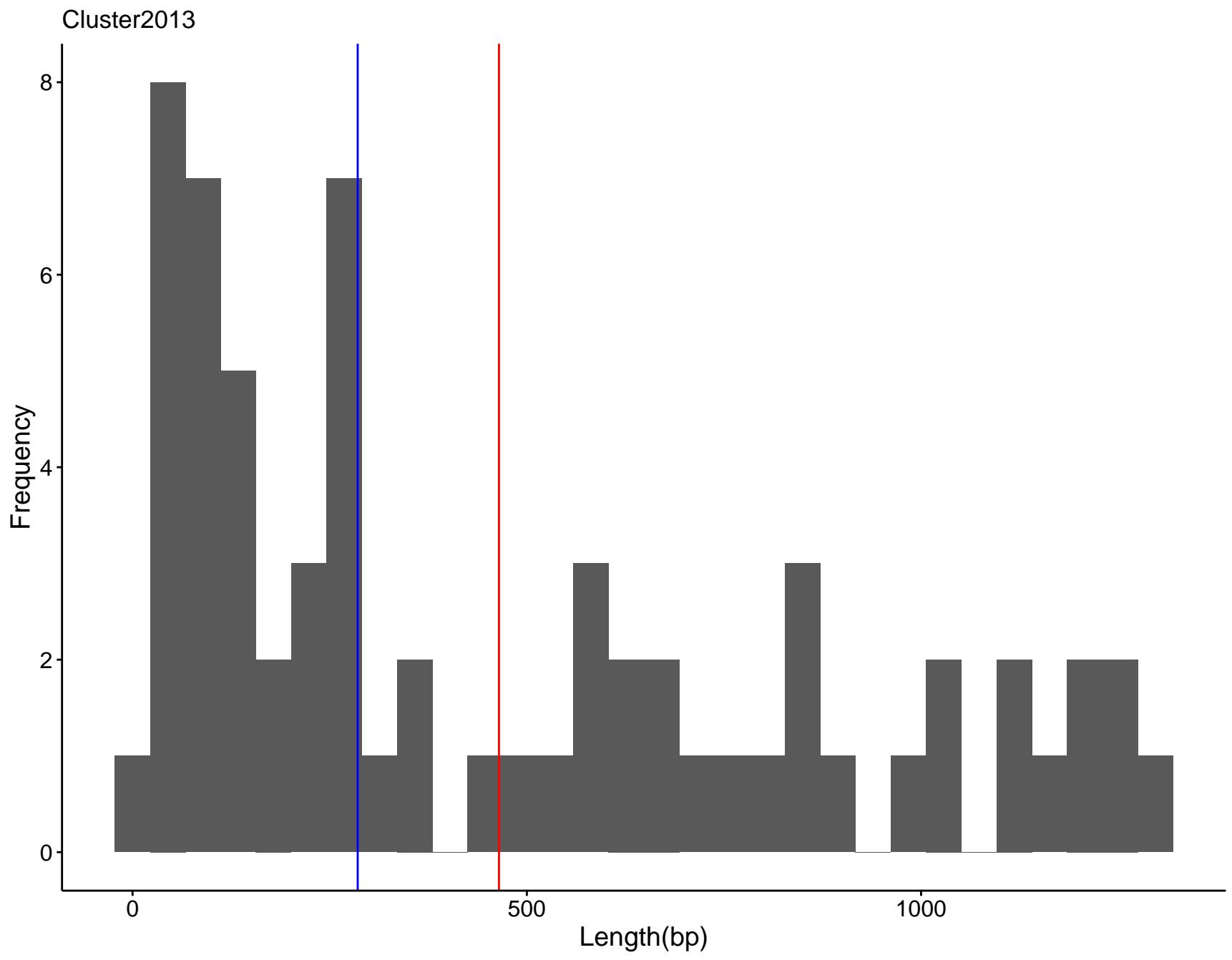


Cluster2011



Cluster2012





Cluster2015

Frequency

177.950

177.975

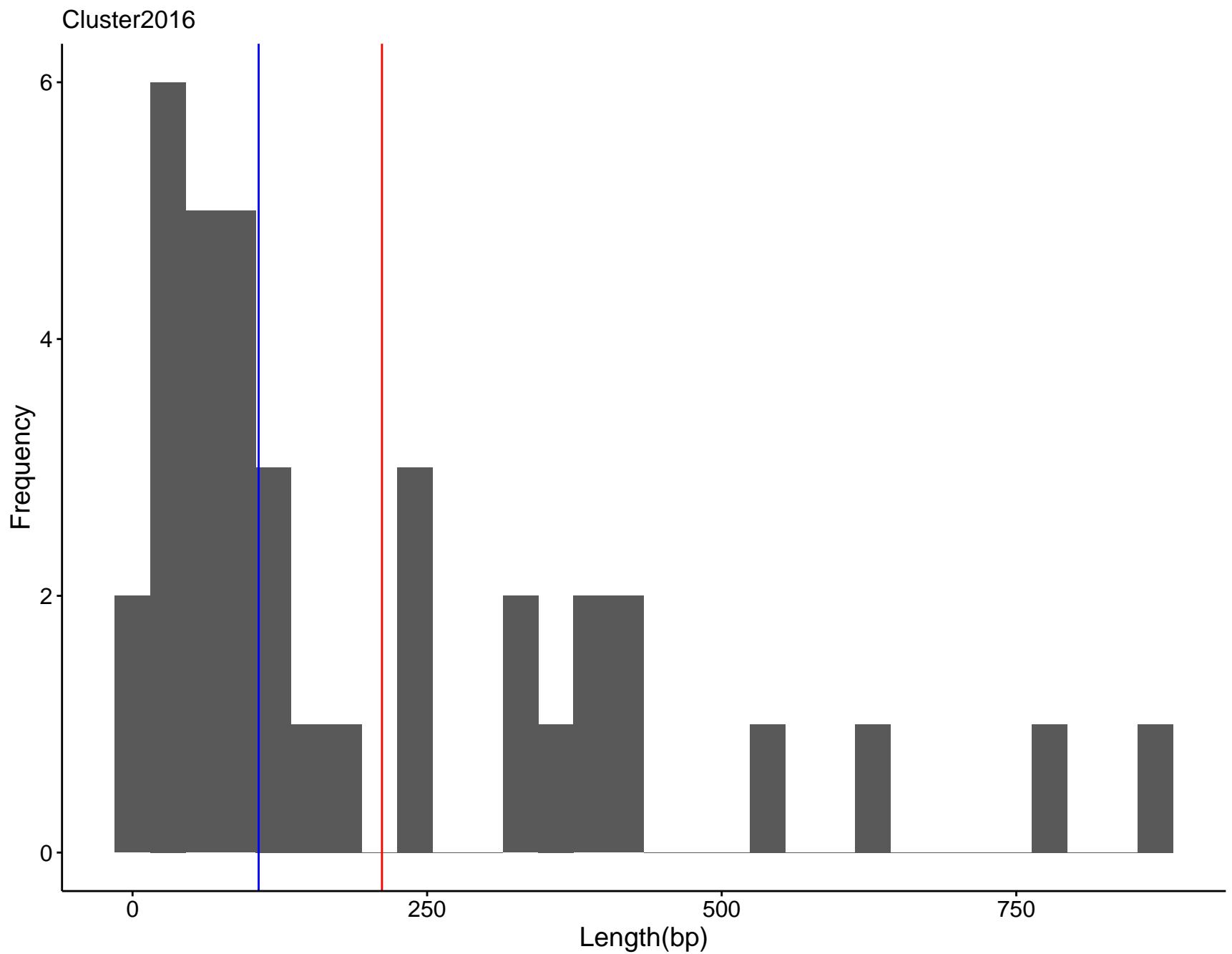
178.000

178.025

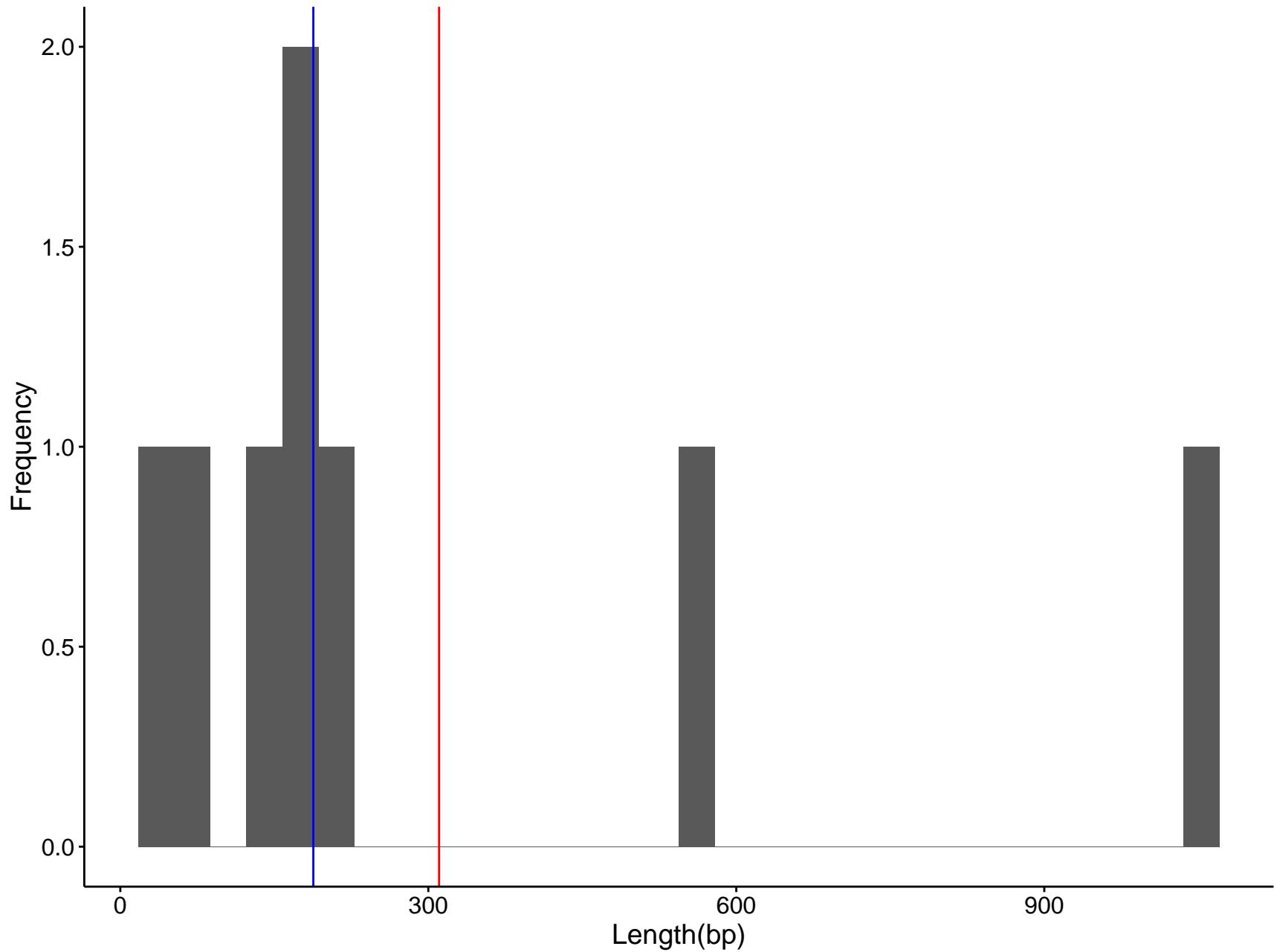
178.050

Length(bp)





Cluster2017



Cluster2018

Frequency

363.950

363.975

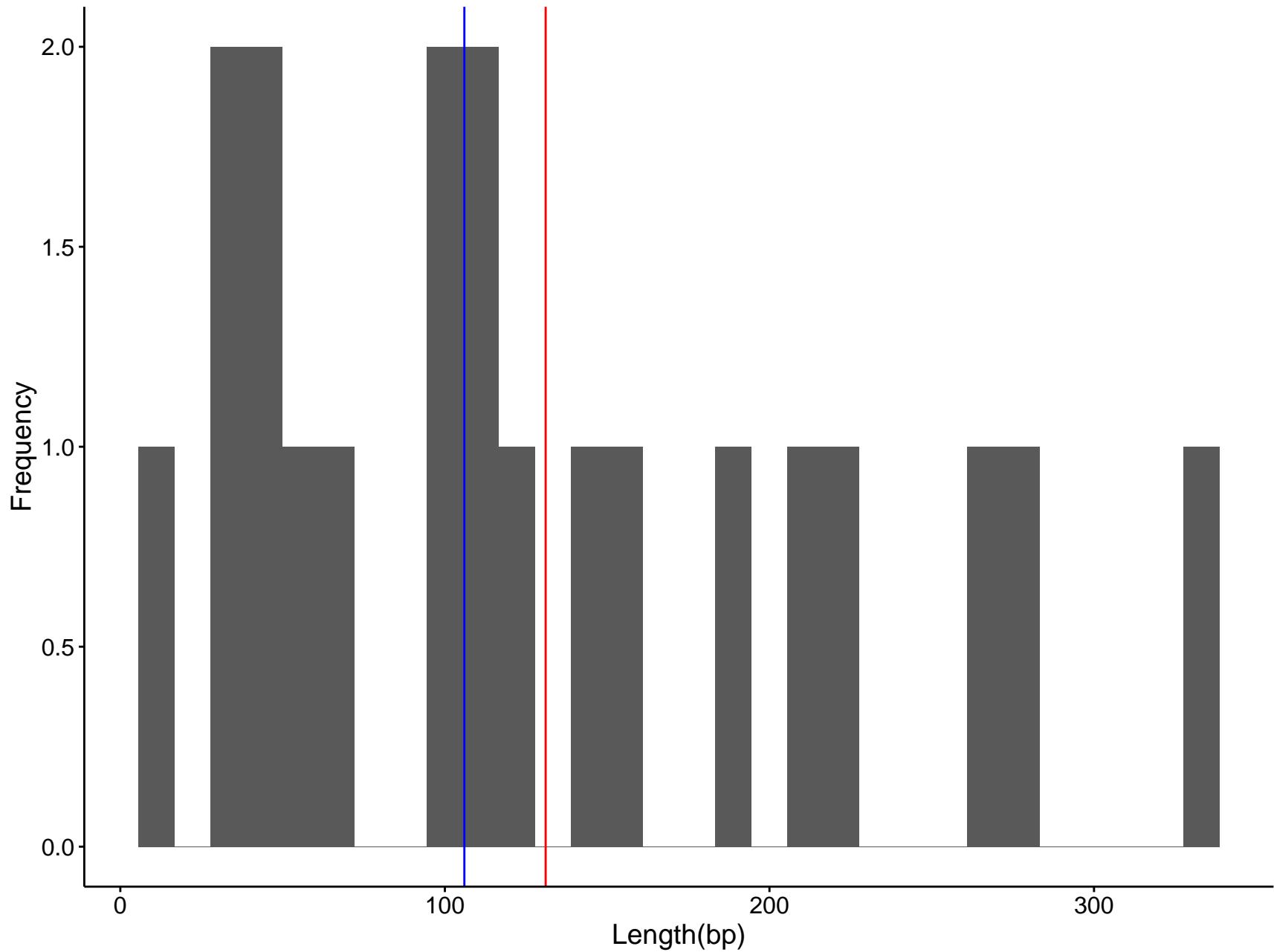
364.000

364.025

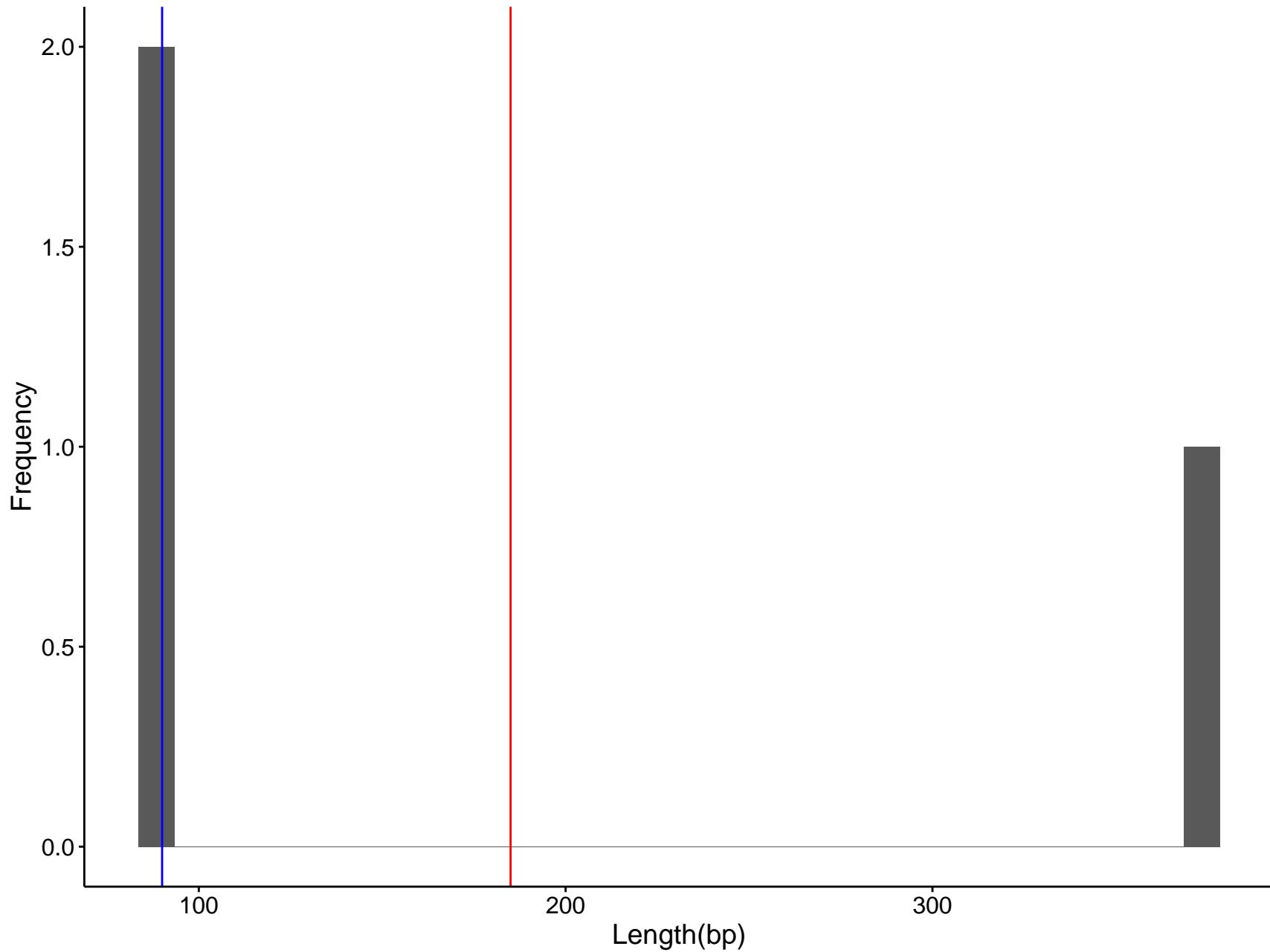
Length(bp)



Cluster2019



Cluster201



Frequency

1951.950

1951.975

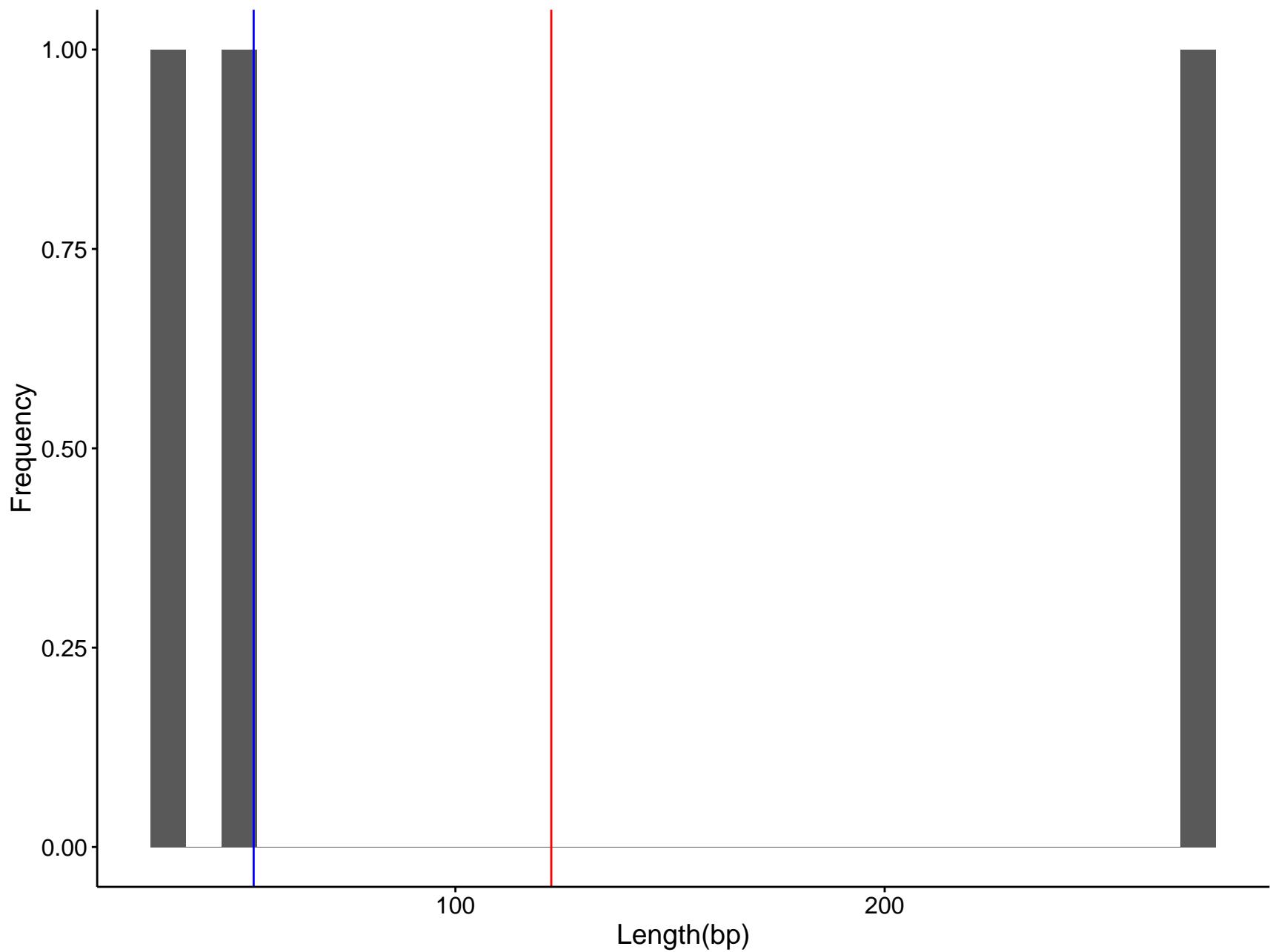
1952.000  
Length(bp)

1952.025

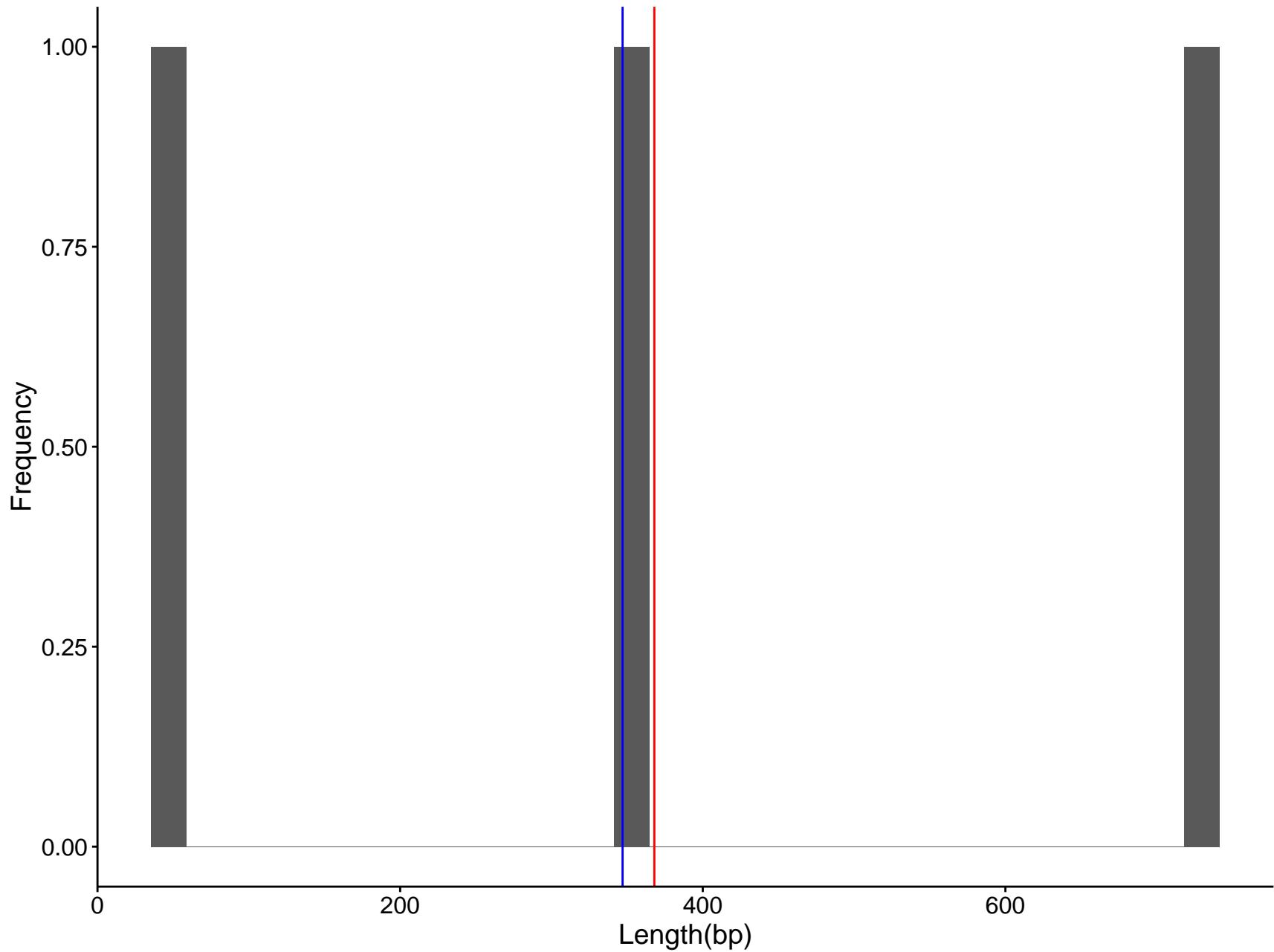
1952.



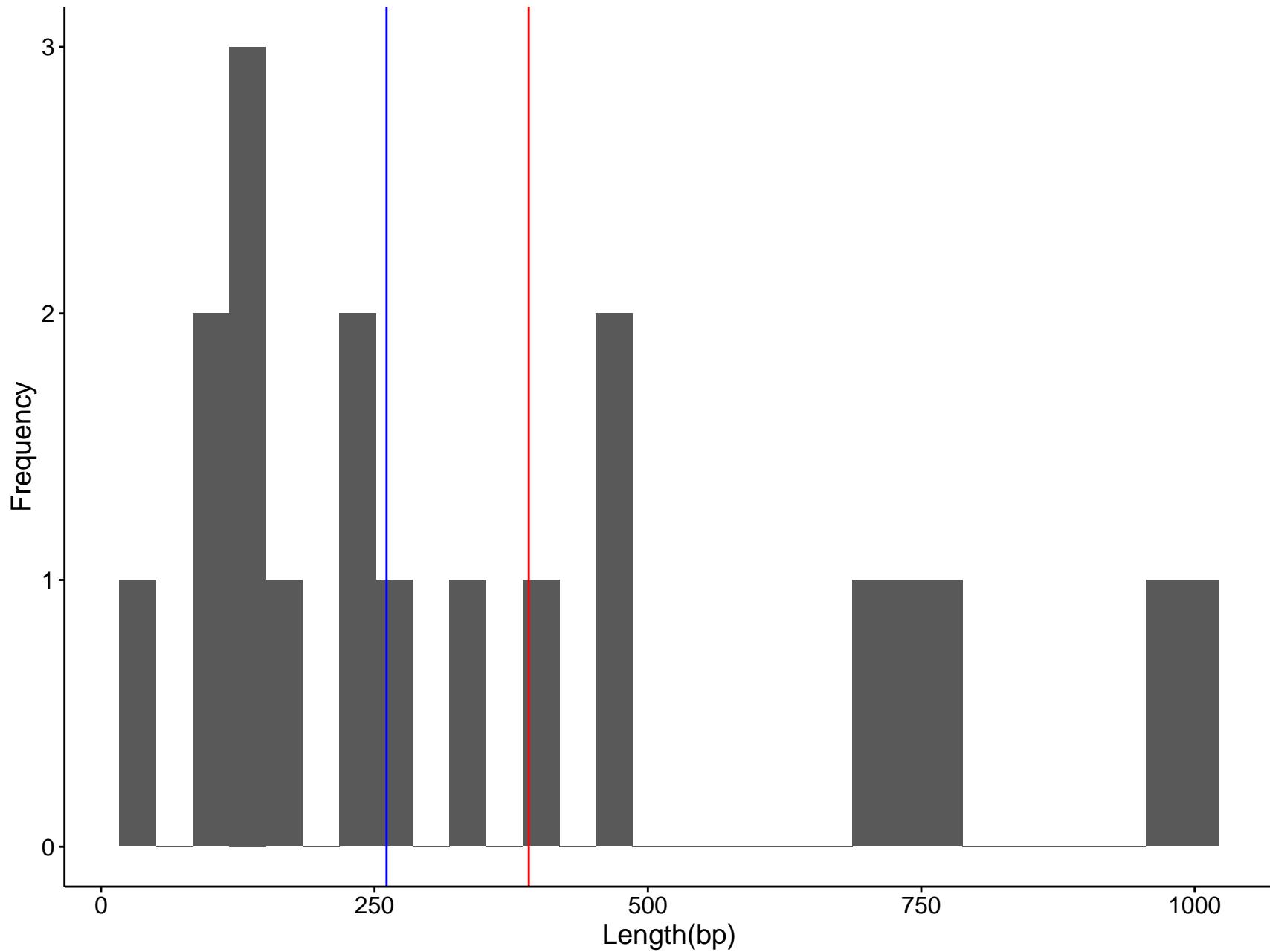
Cluster2023



Cluster2024



Cluster2027



Cluster2029

Frequency

216.950

216.975

217.000

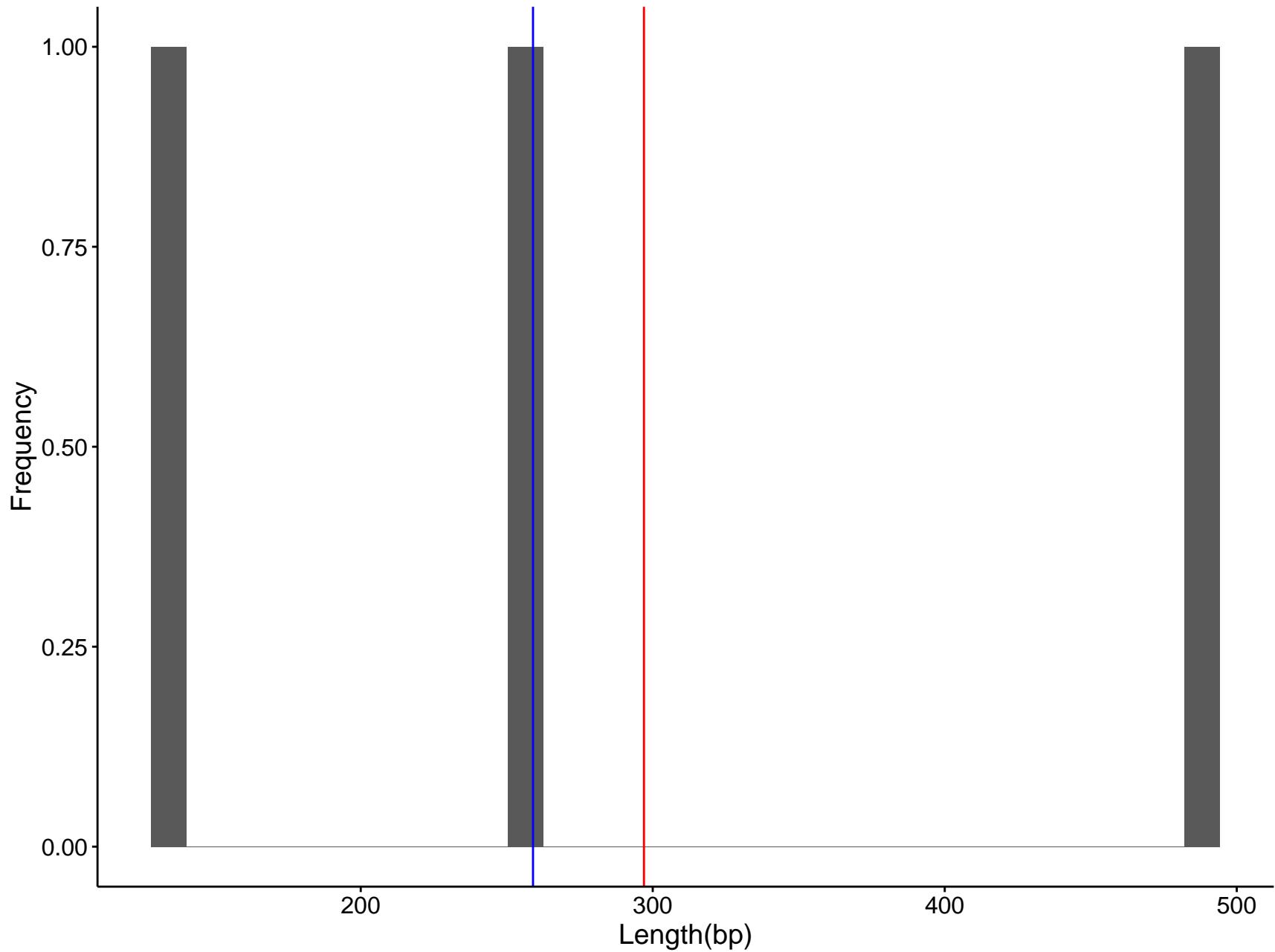
217.025

217.050

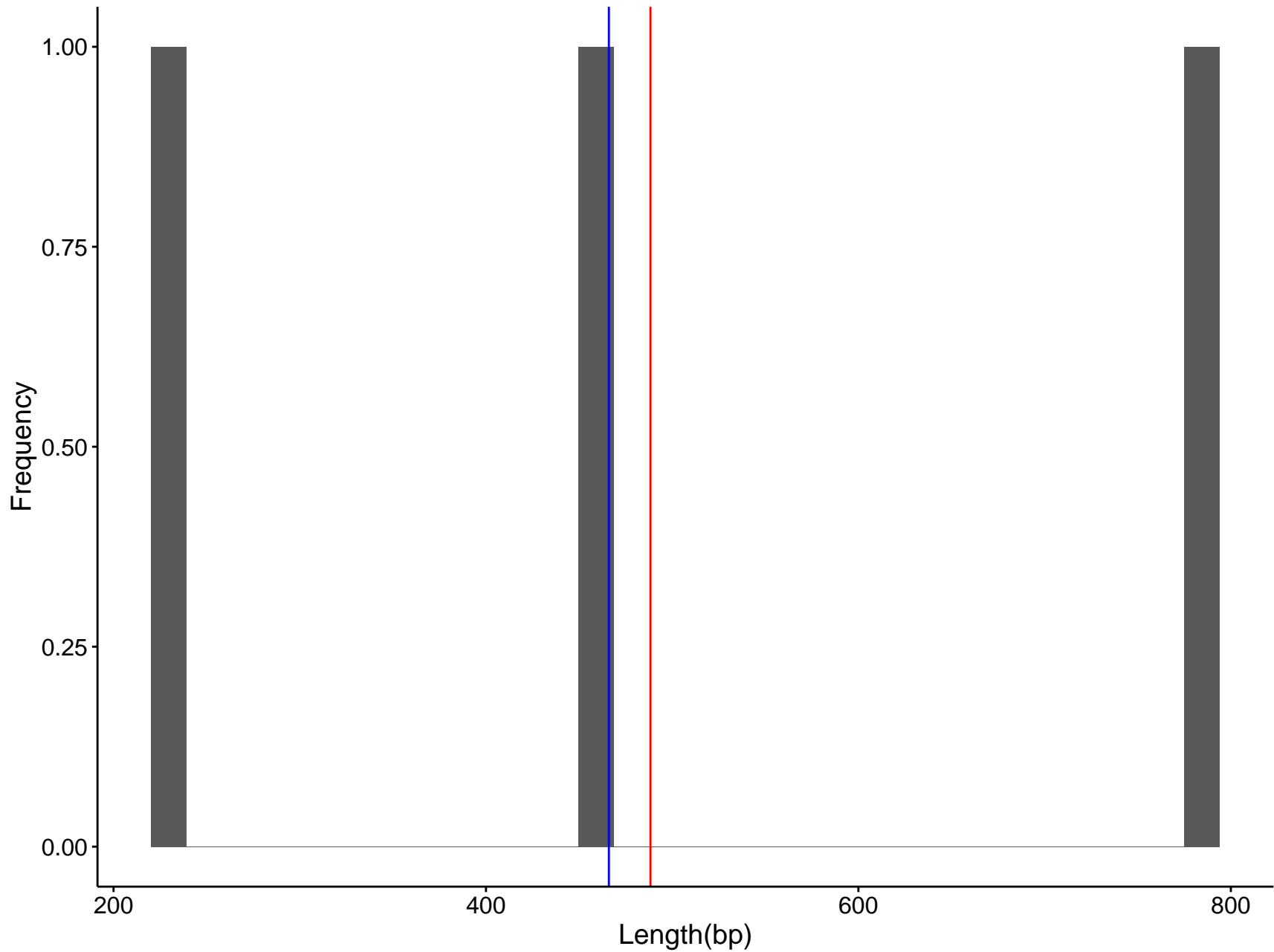
Length(bp)



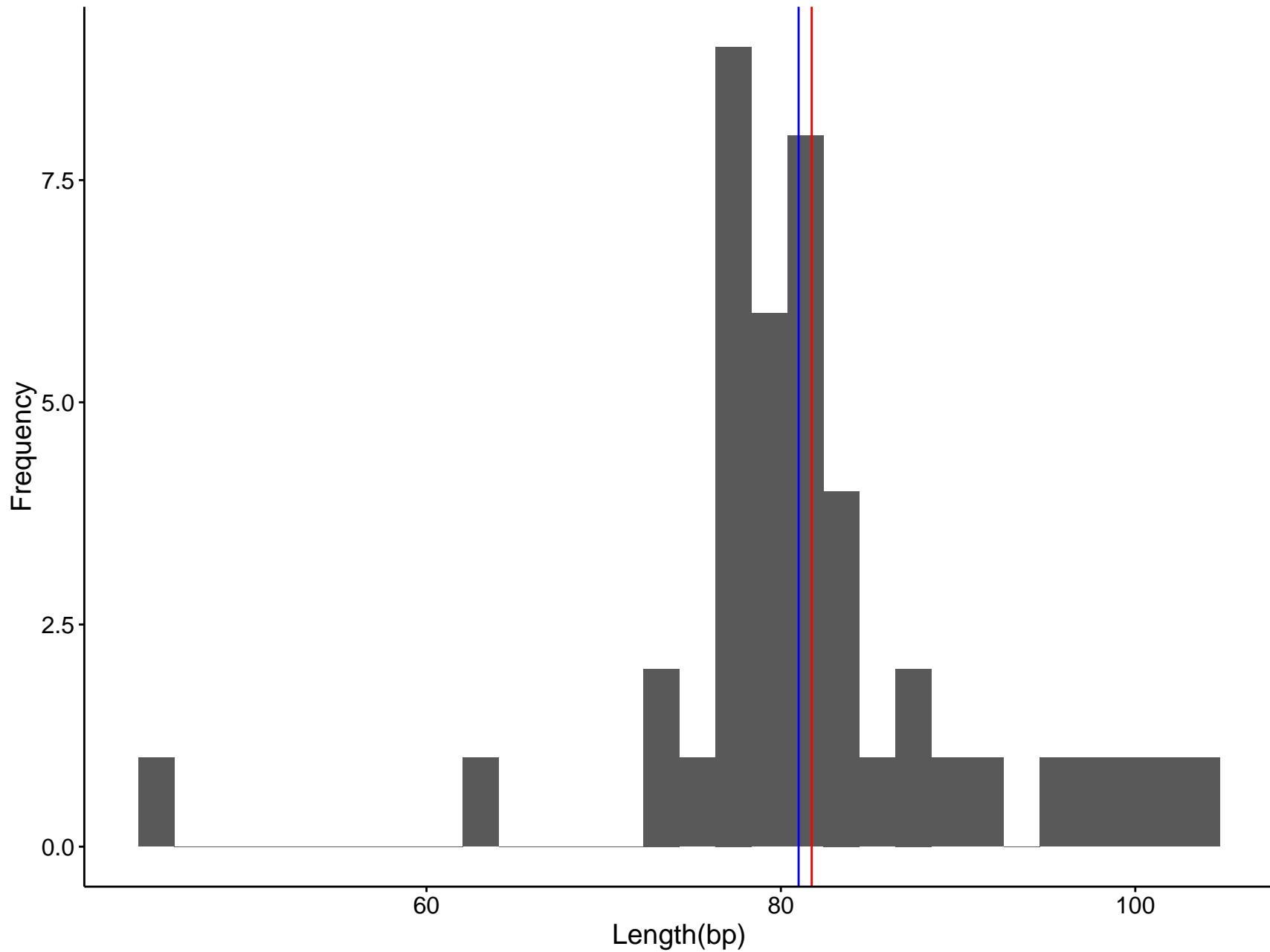
Cluster202



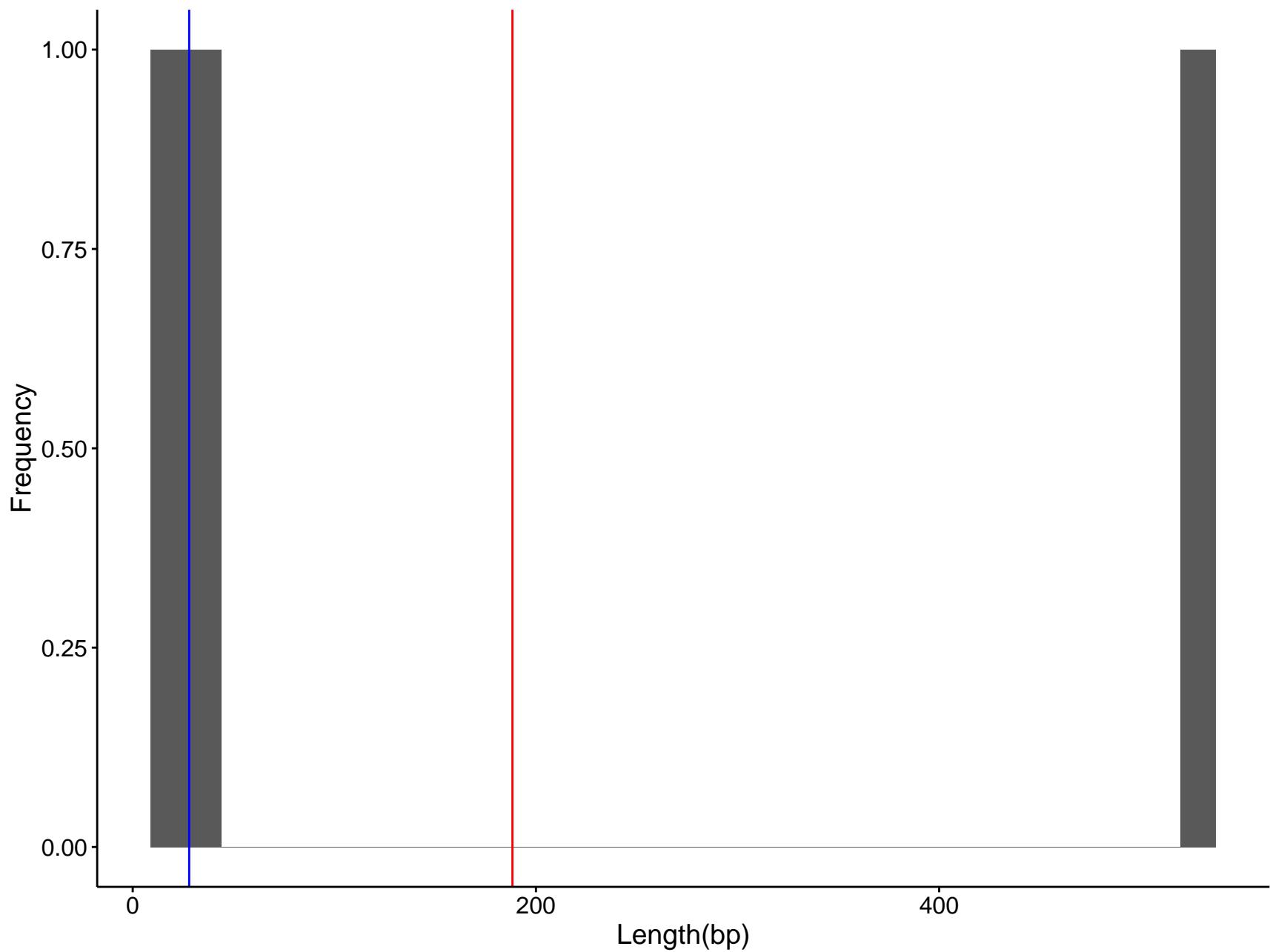
Cluster2030



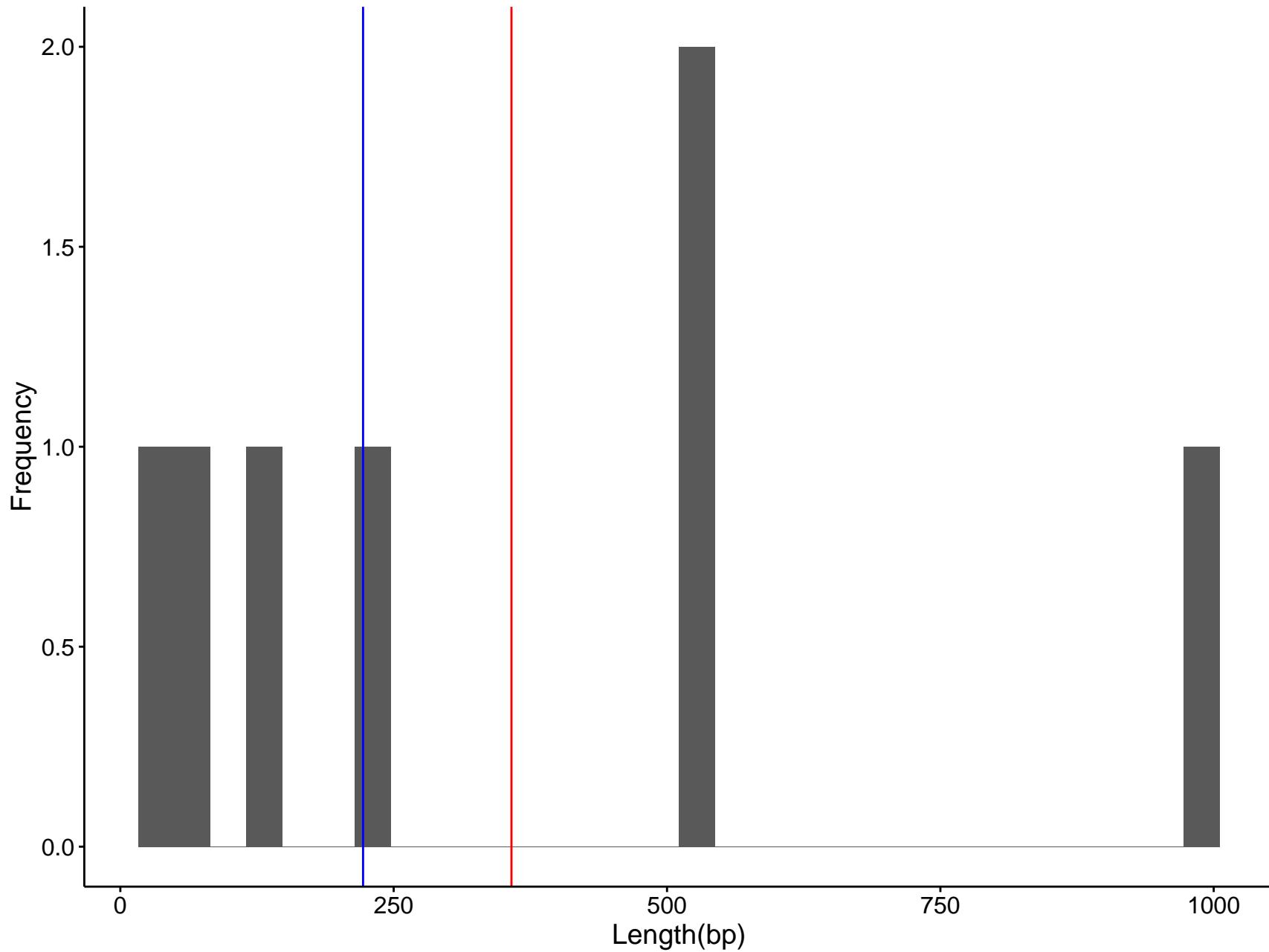
Cluster2031



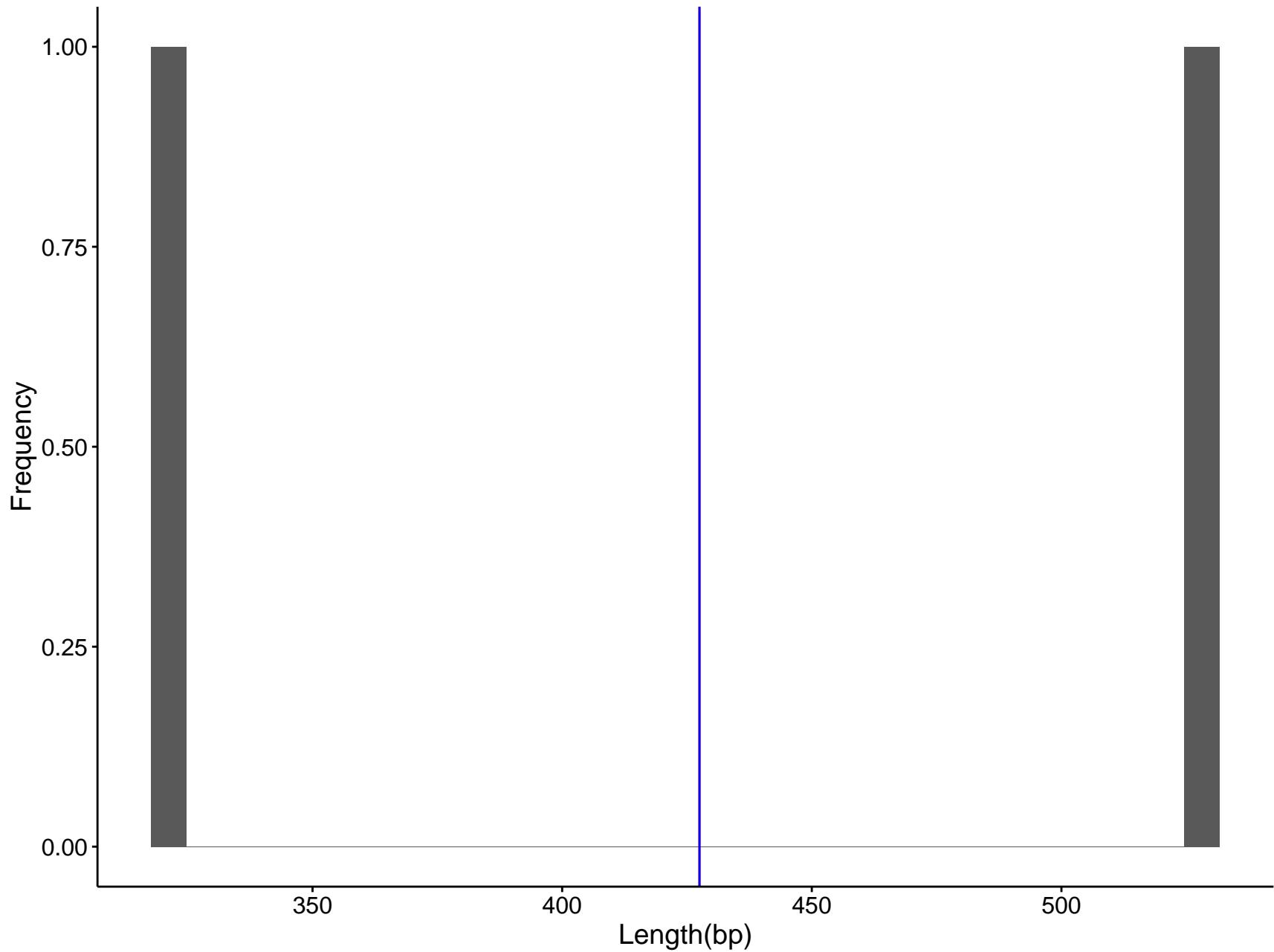
Cluster2032



Cluster2033



Cluster2034



# Cluster2035

Frequency

512.950

512.975

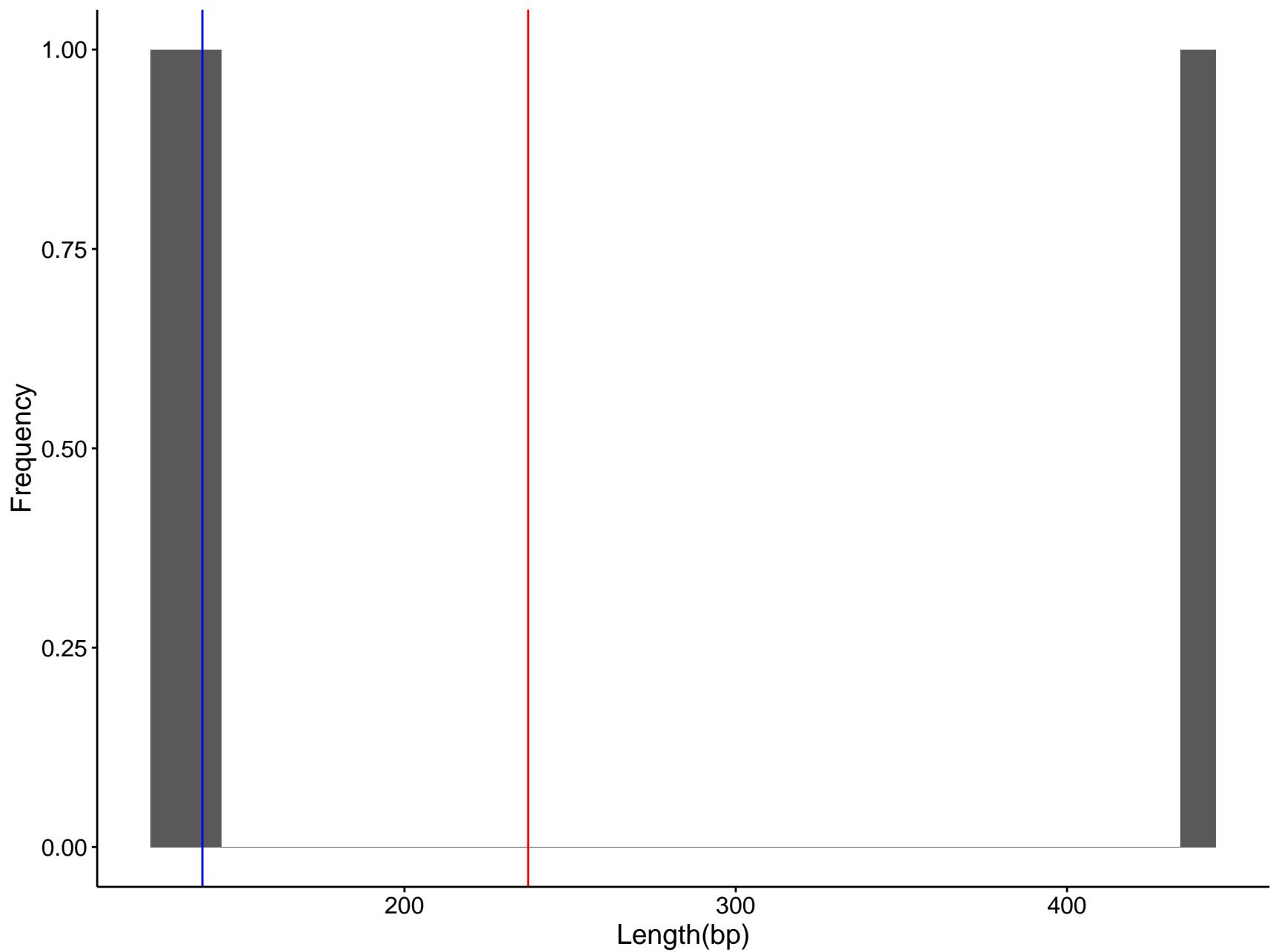
513.000

513.025

Length(bp)



Cluster2036



Cluster2037

Frequency

800.950

800.975

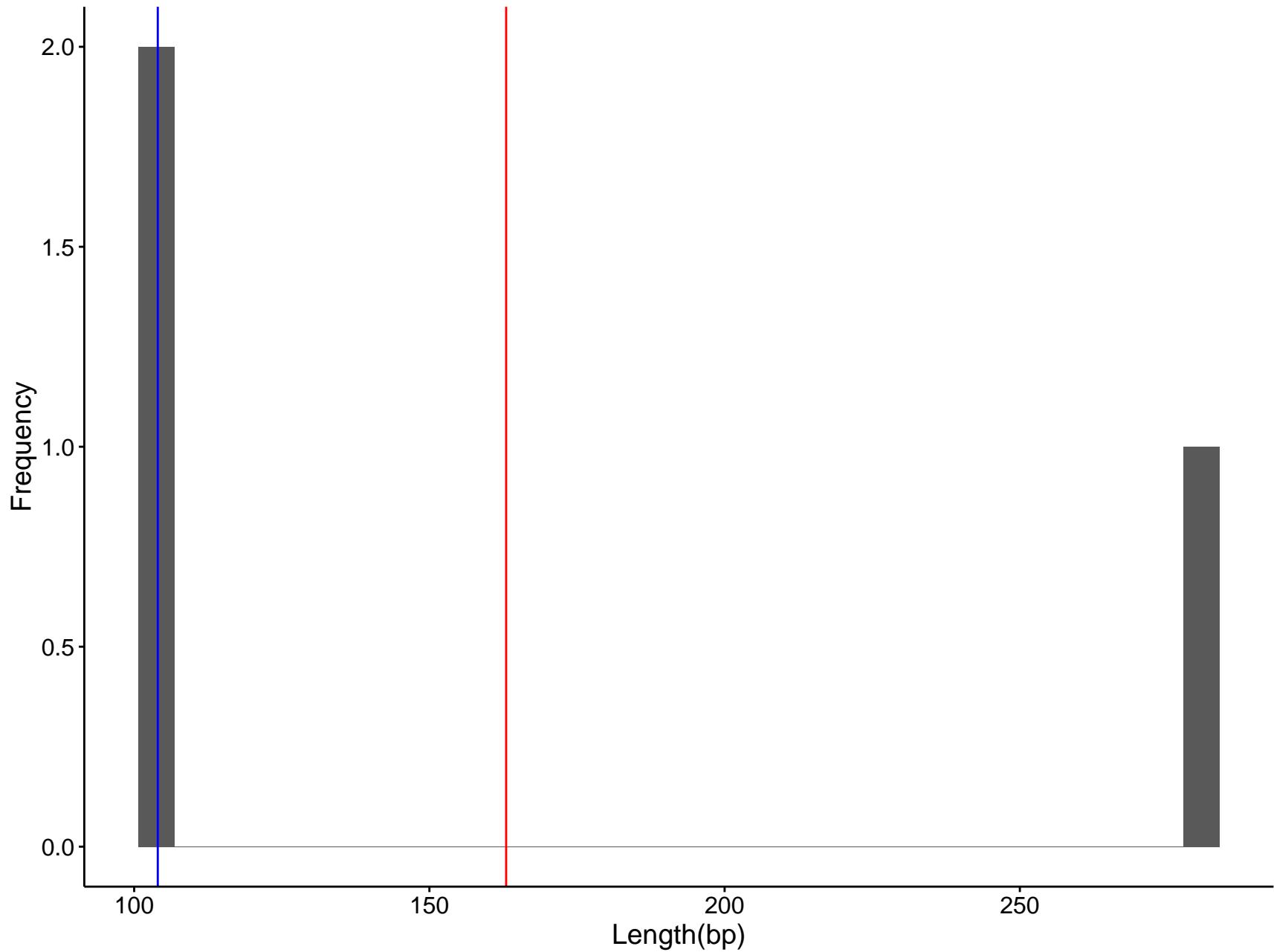
801.000

801.025

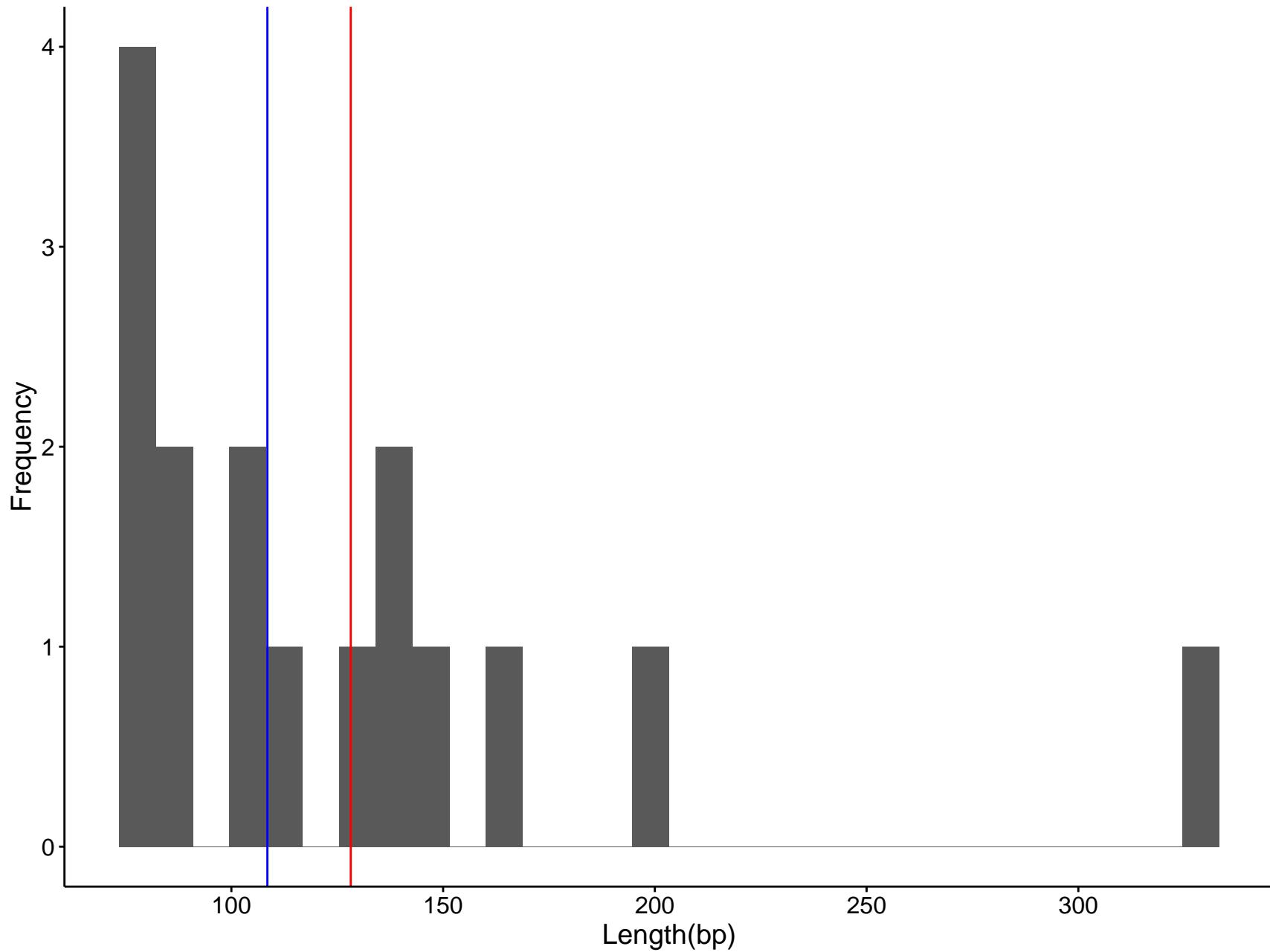
Length(bp)



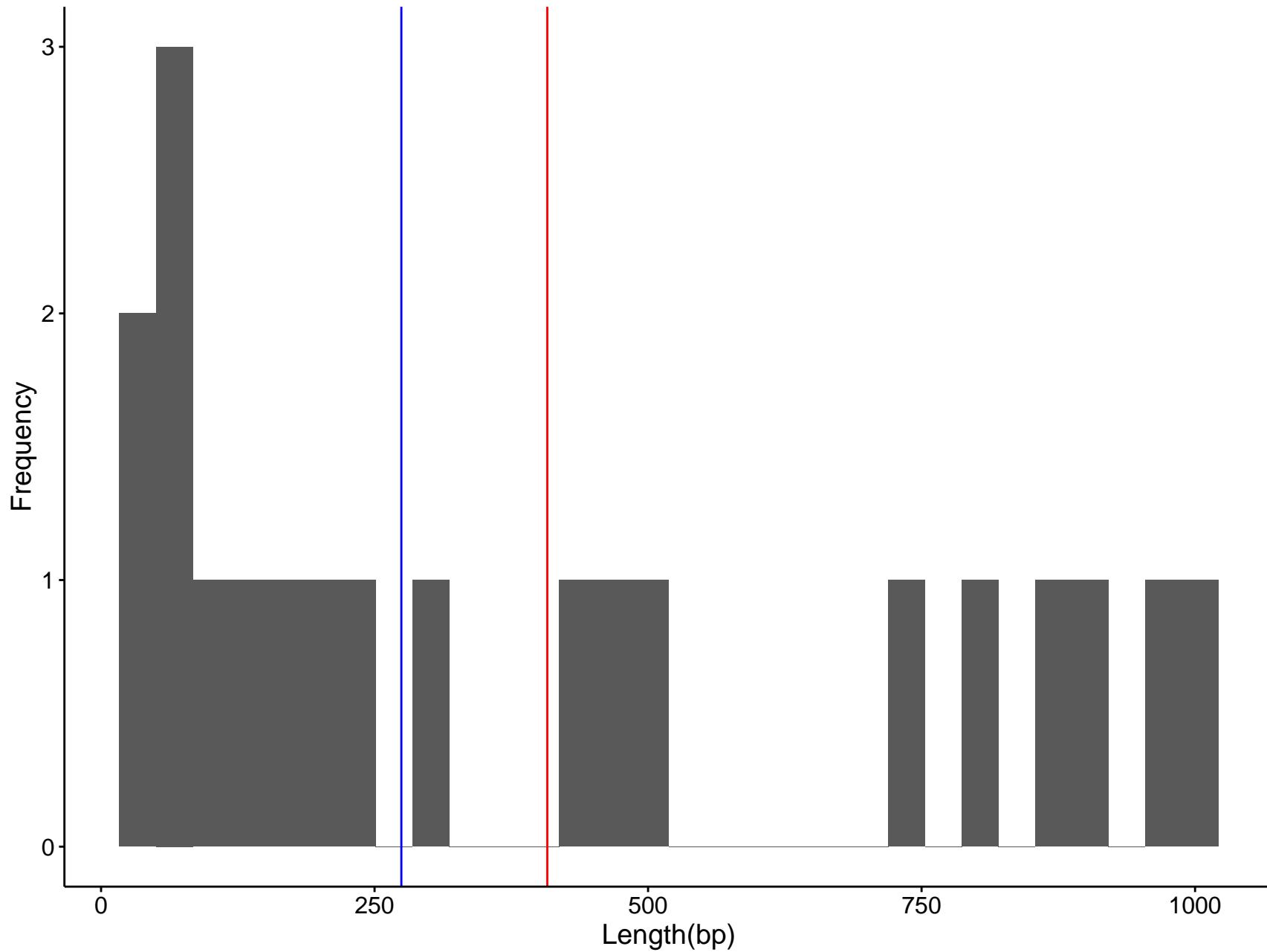
Cluster2038



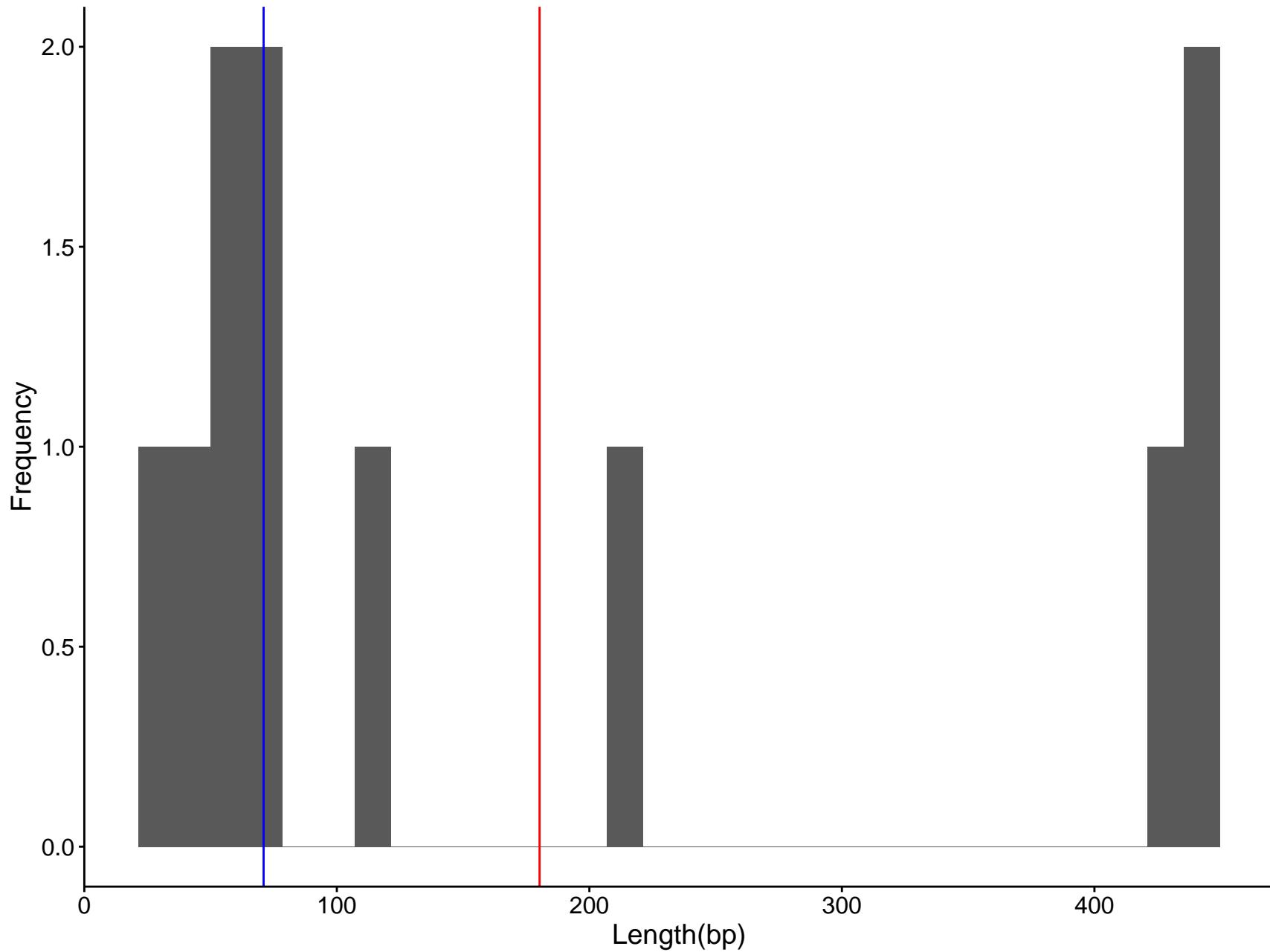
Cluster203



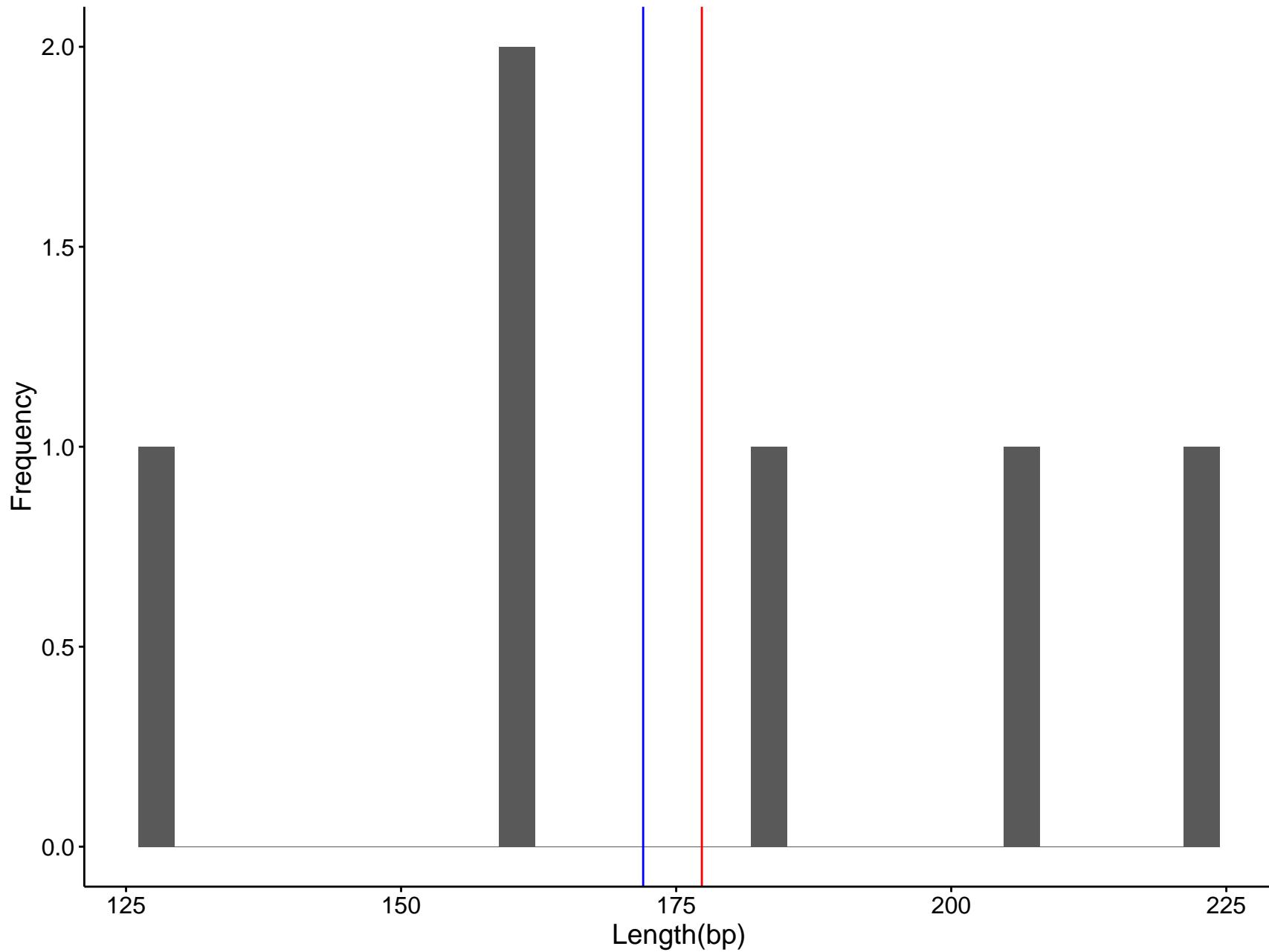
Cluster2040



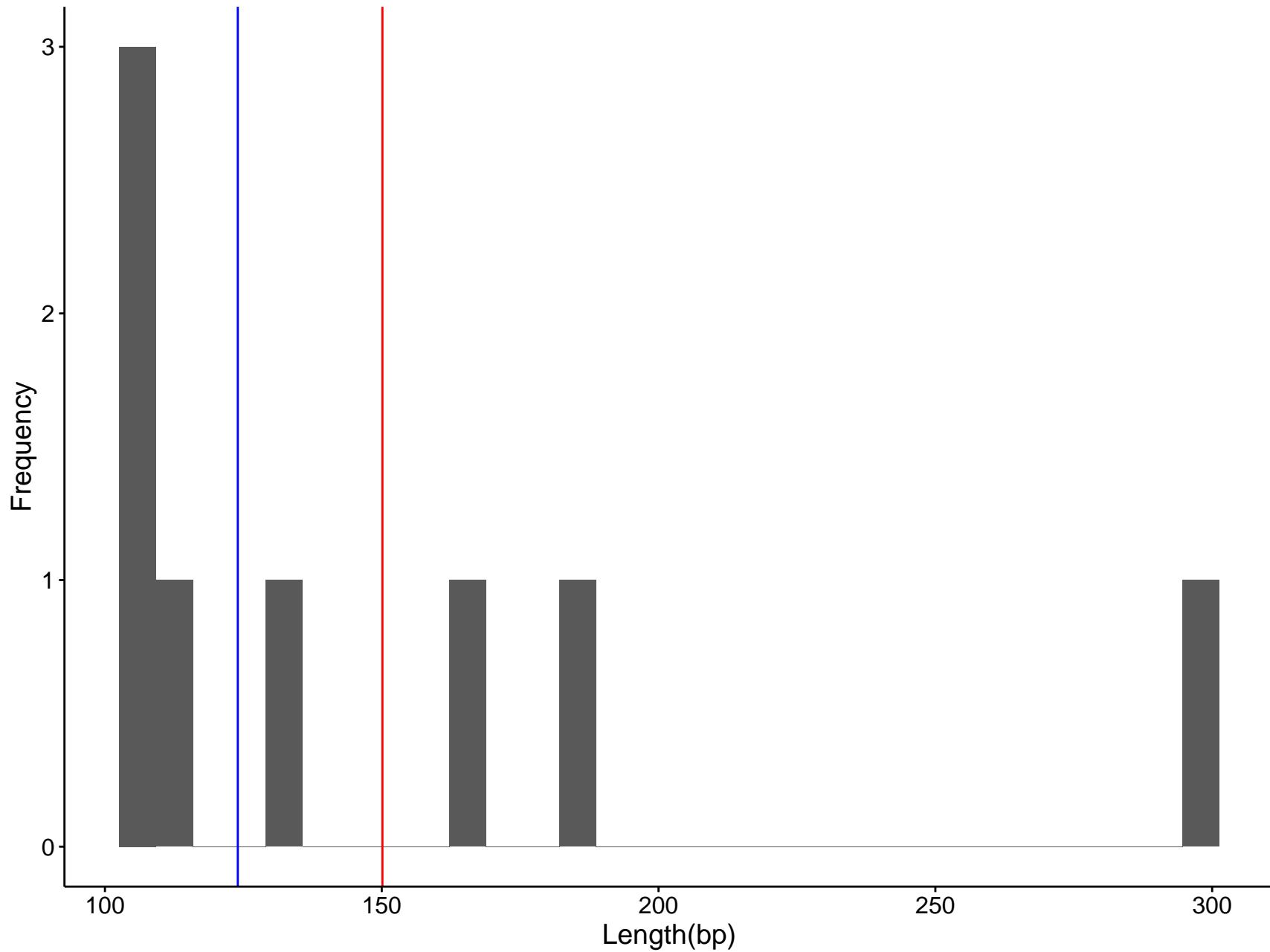
Cluster2041



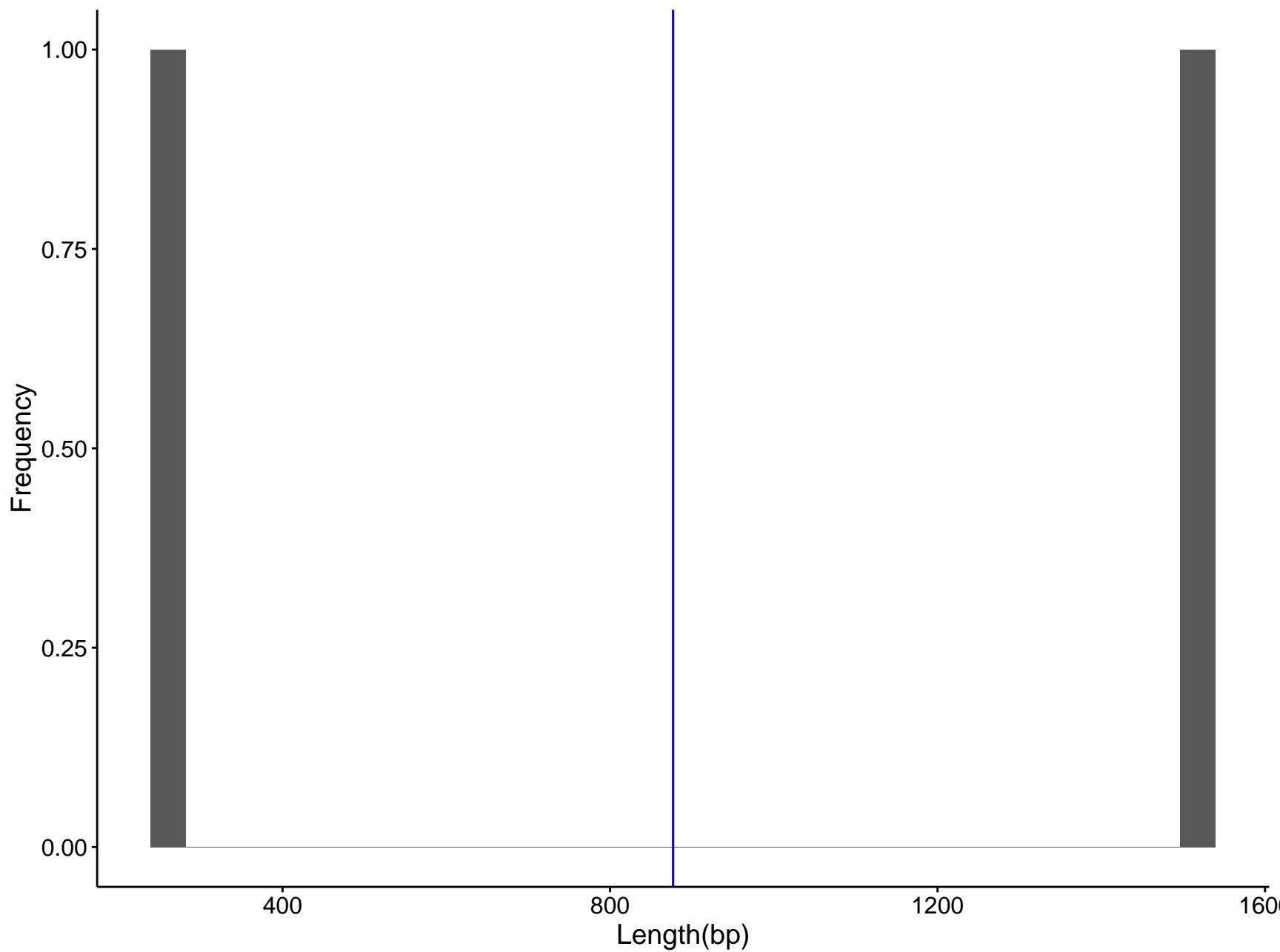
Cluster2042



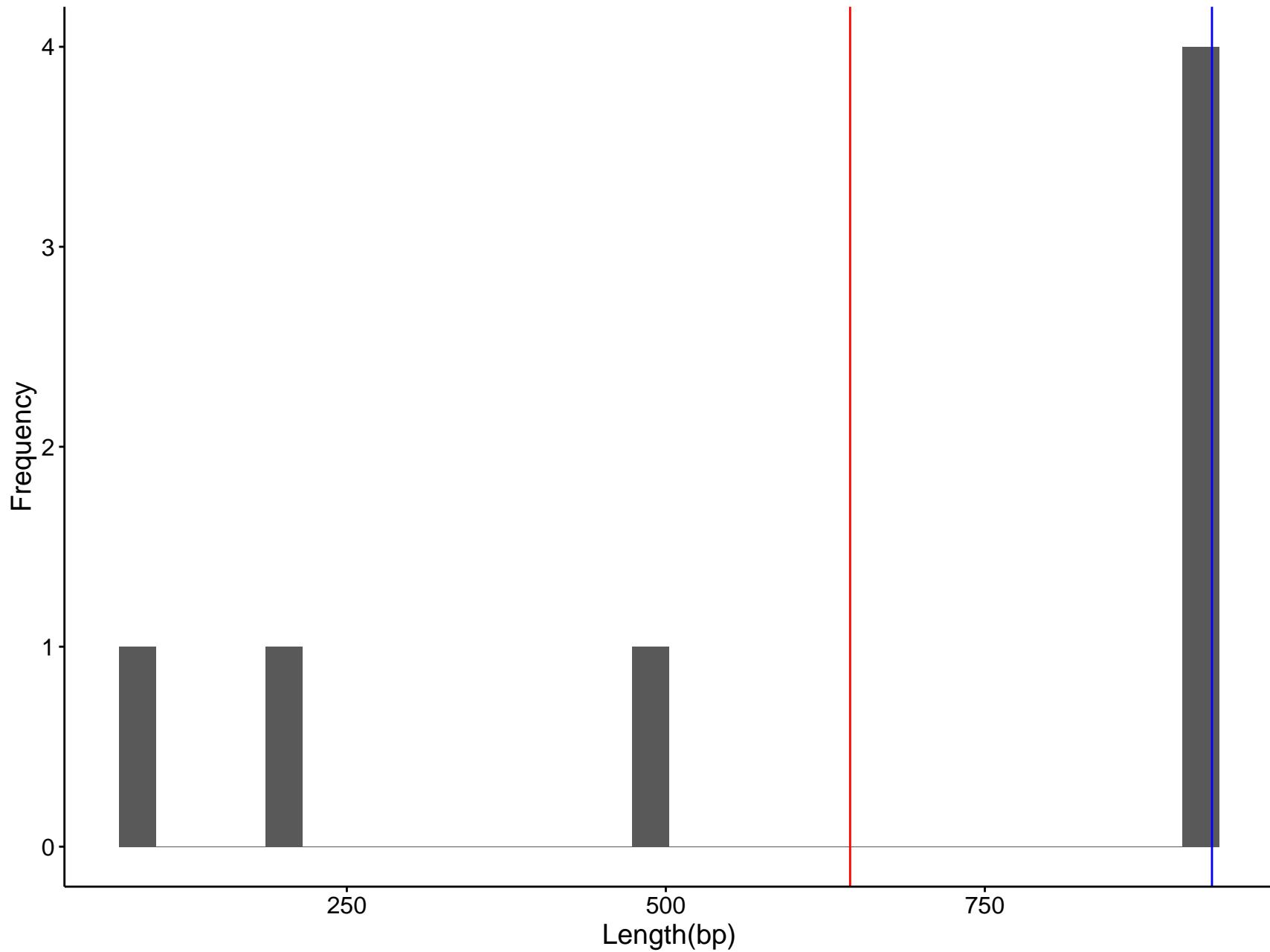
Cluster2043



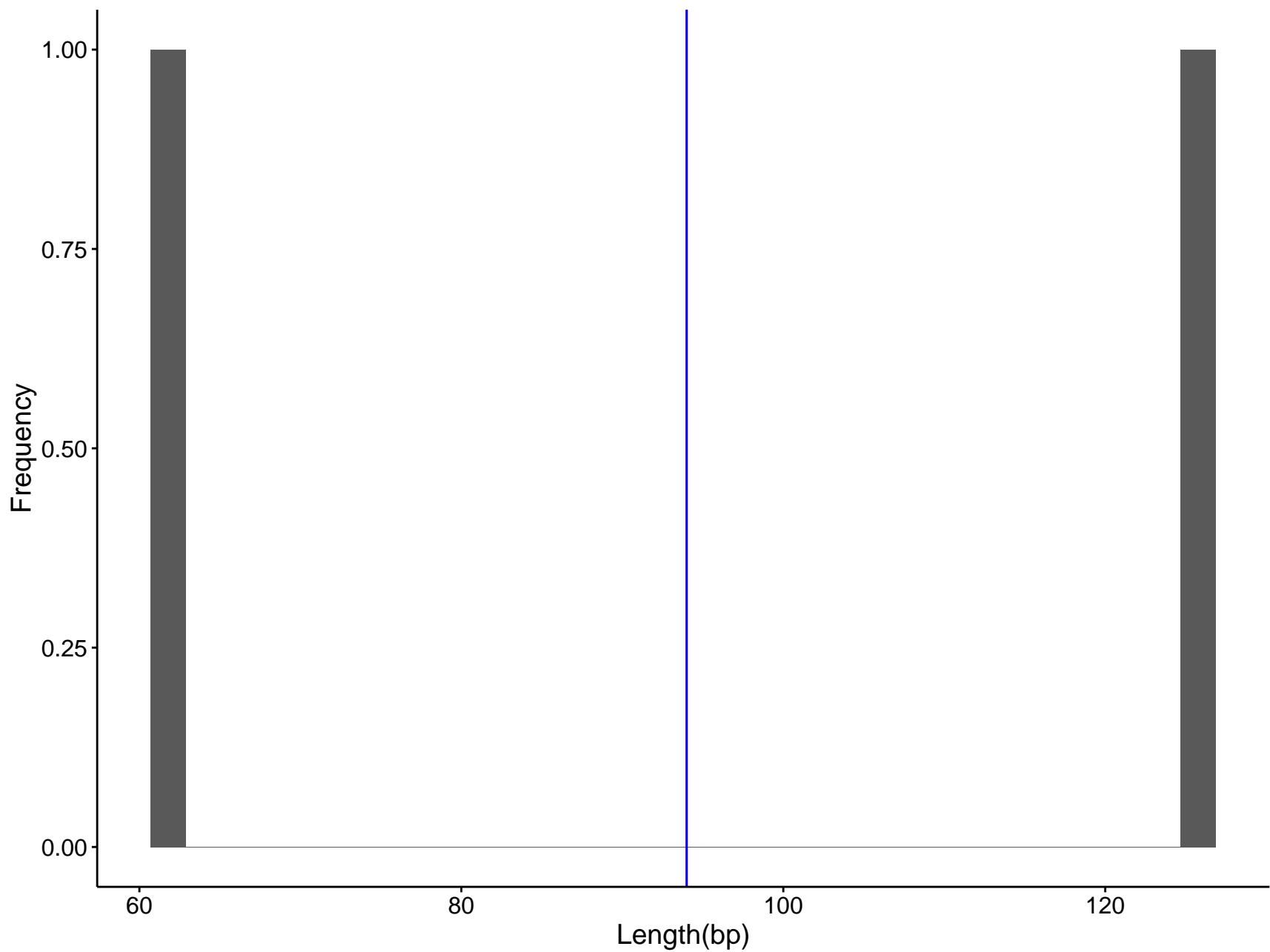
Cluster2044



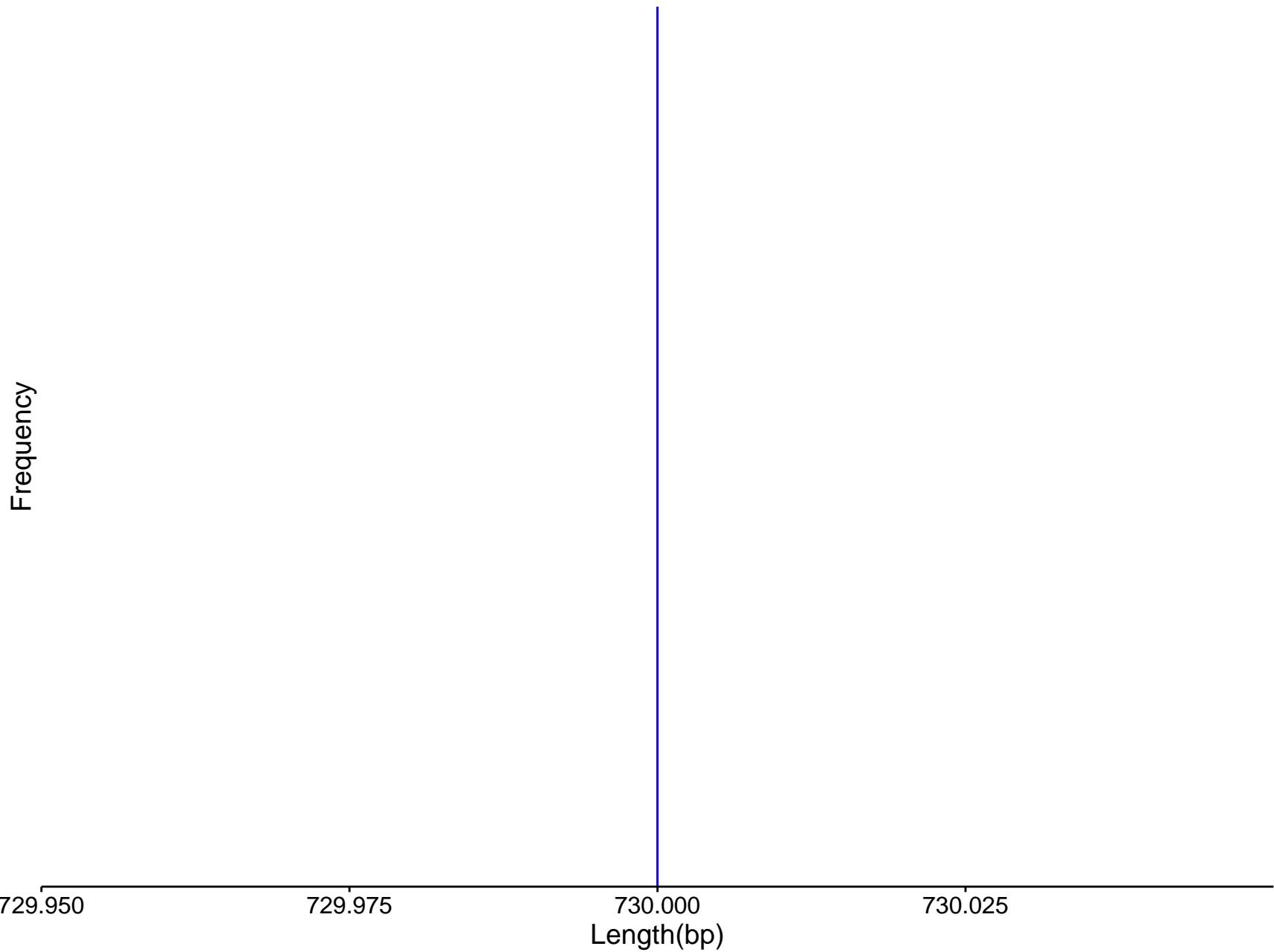
Cluster2045



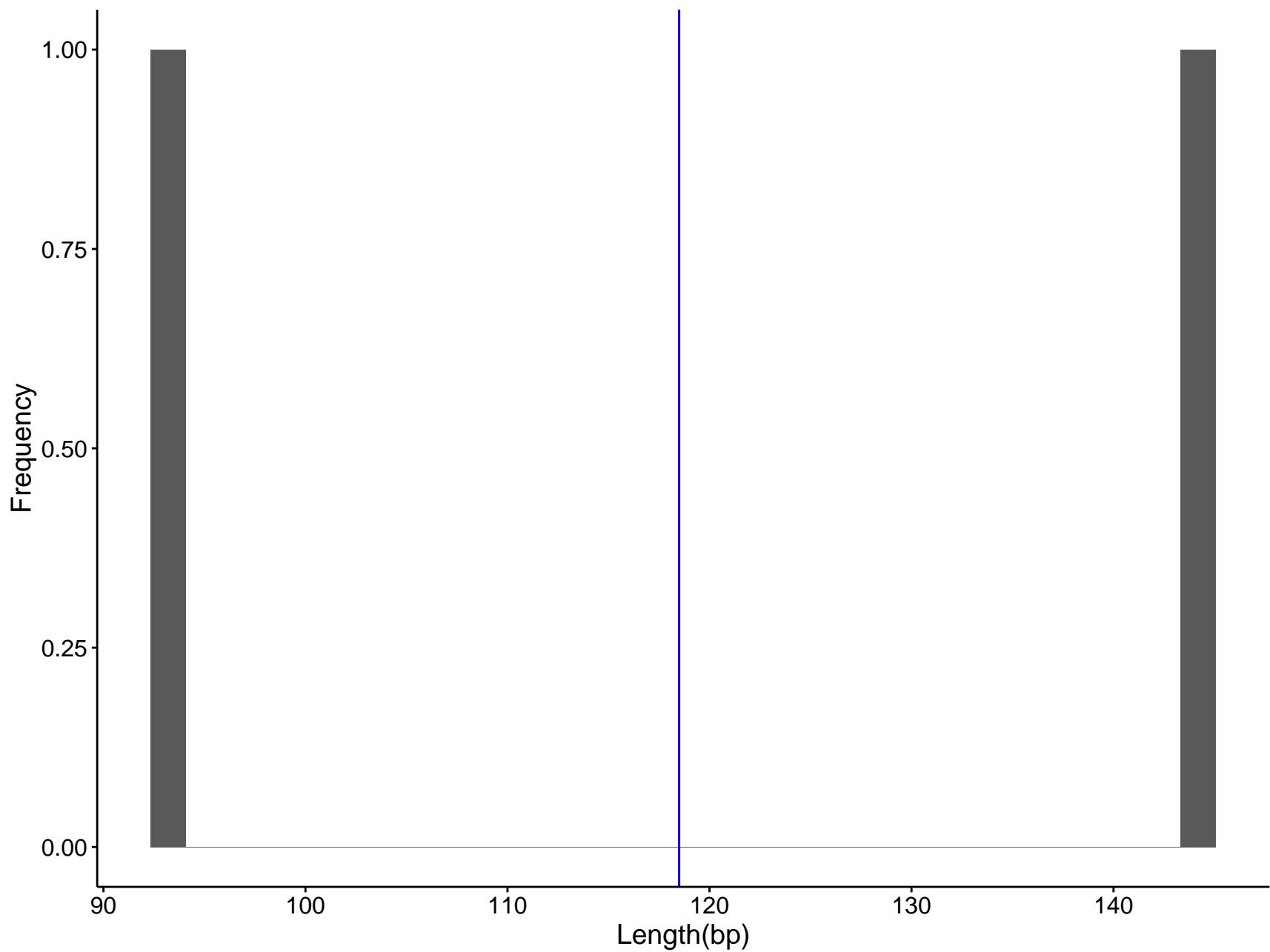
Cluster2047



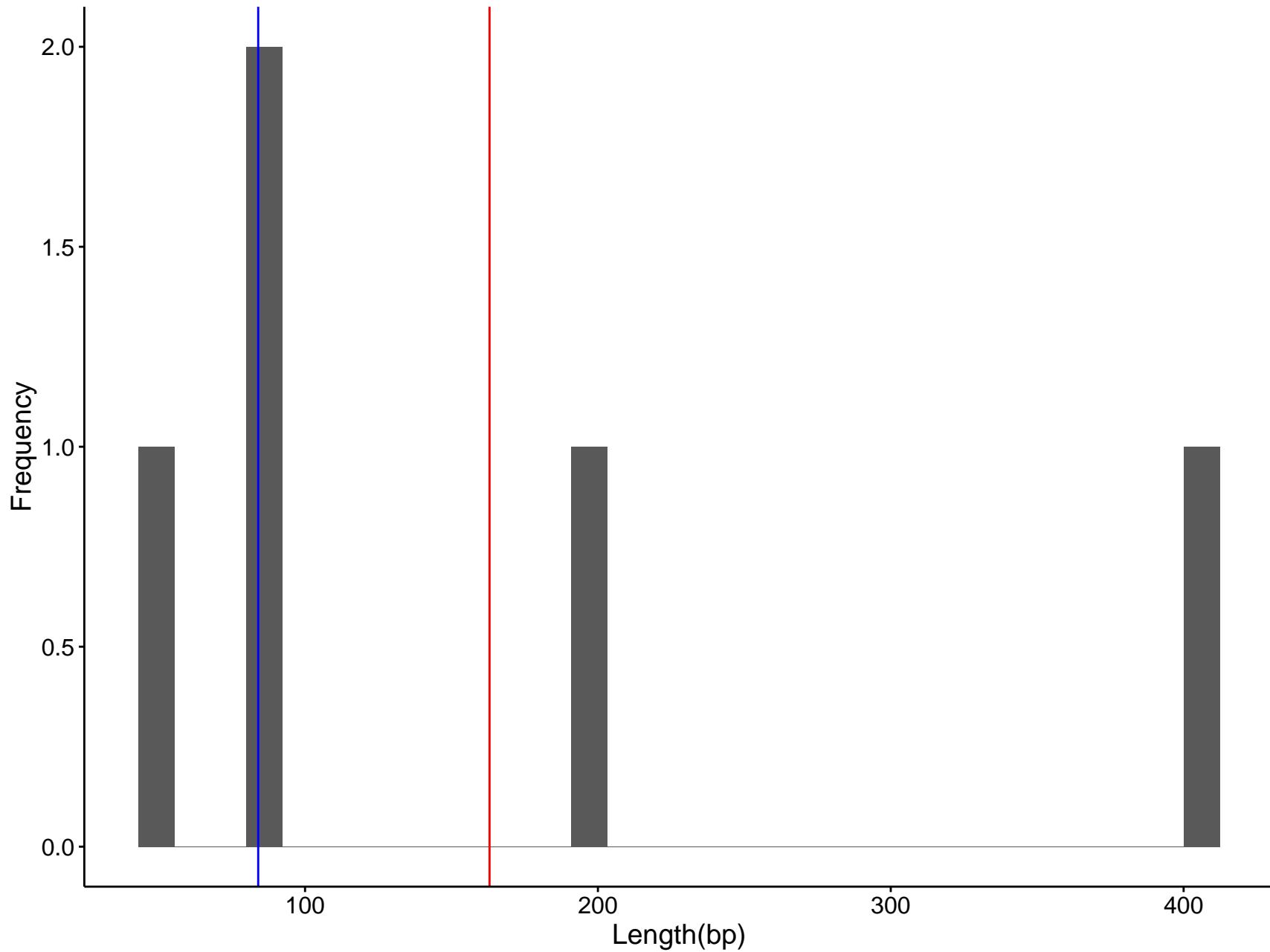
Cluster2048



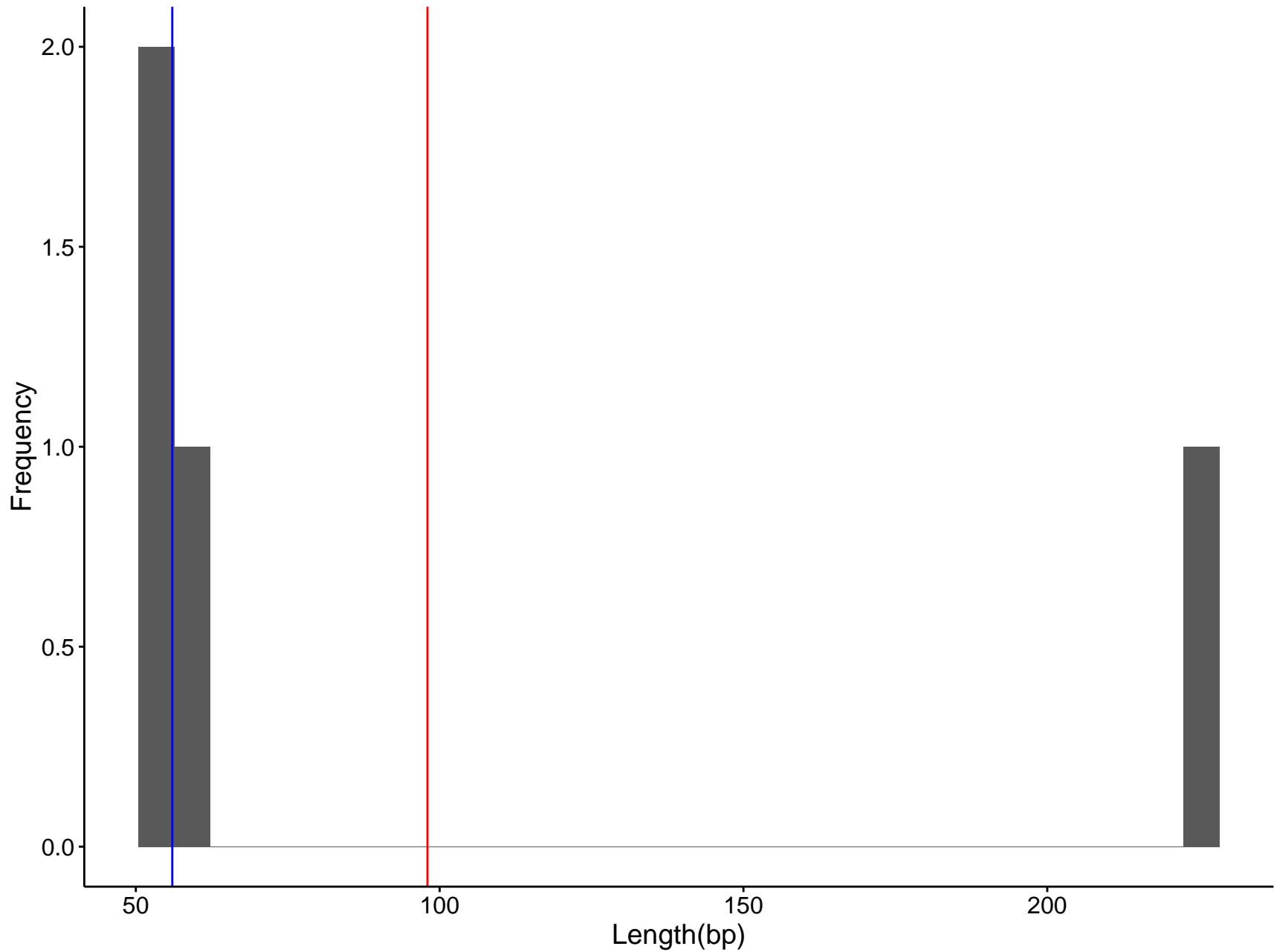
Cluster2049



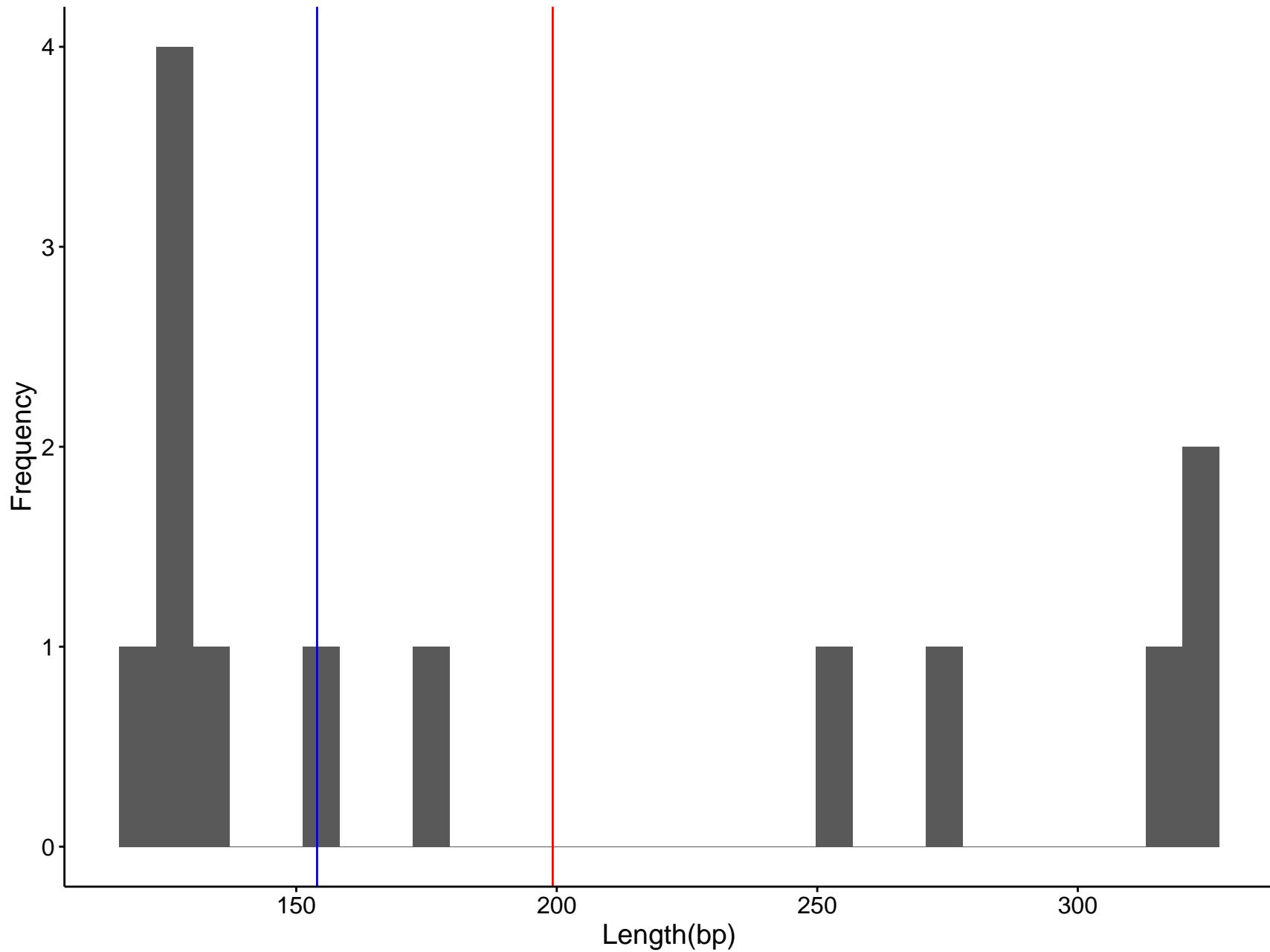
Cluster204



Cluster2050



Cluster2054



# Cluster2055

Frequency

397.950

397.975

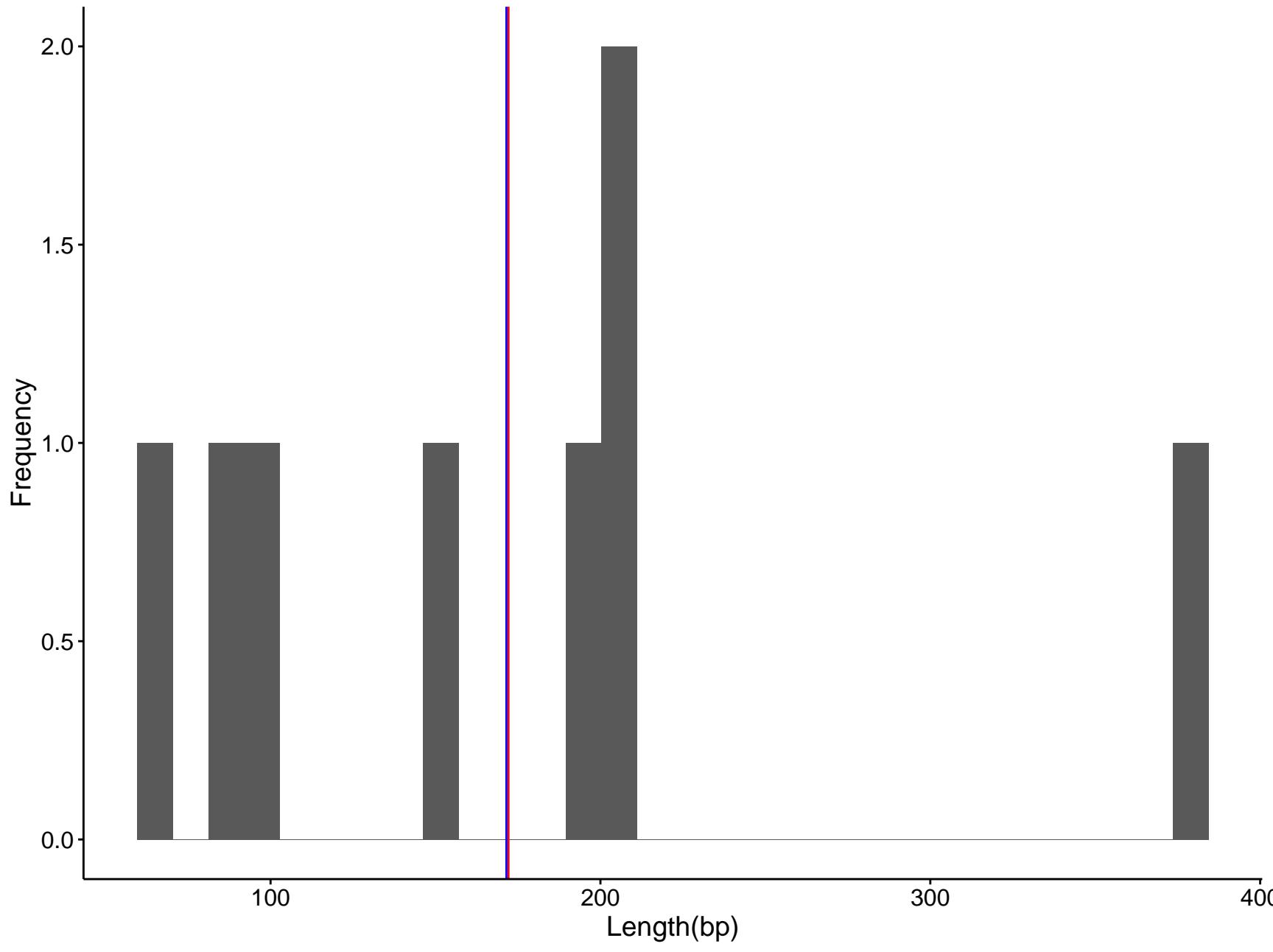
398.000

398.025

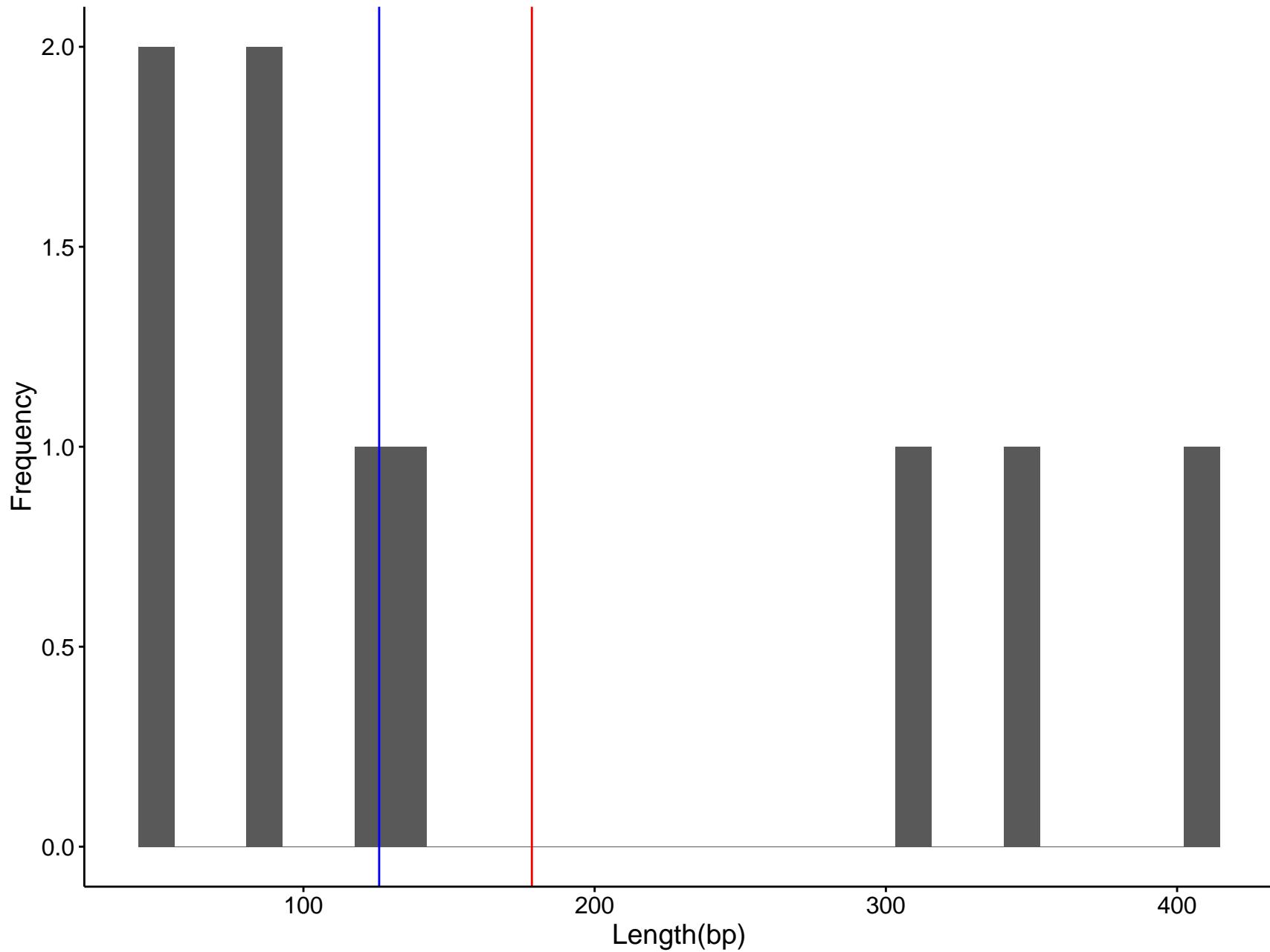
Length(bp)



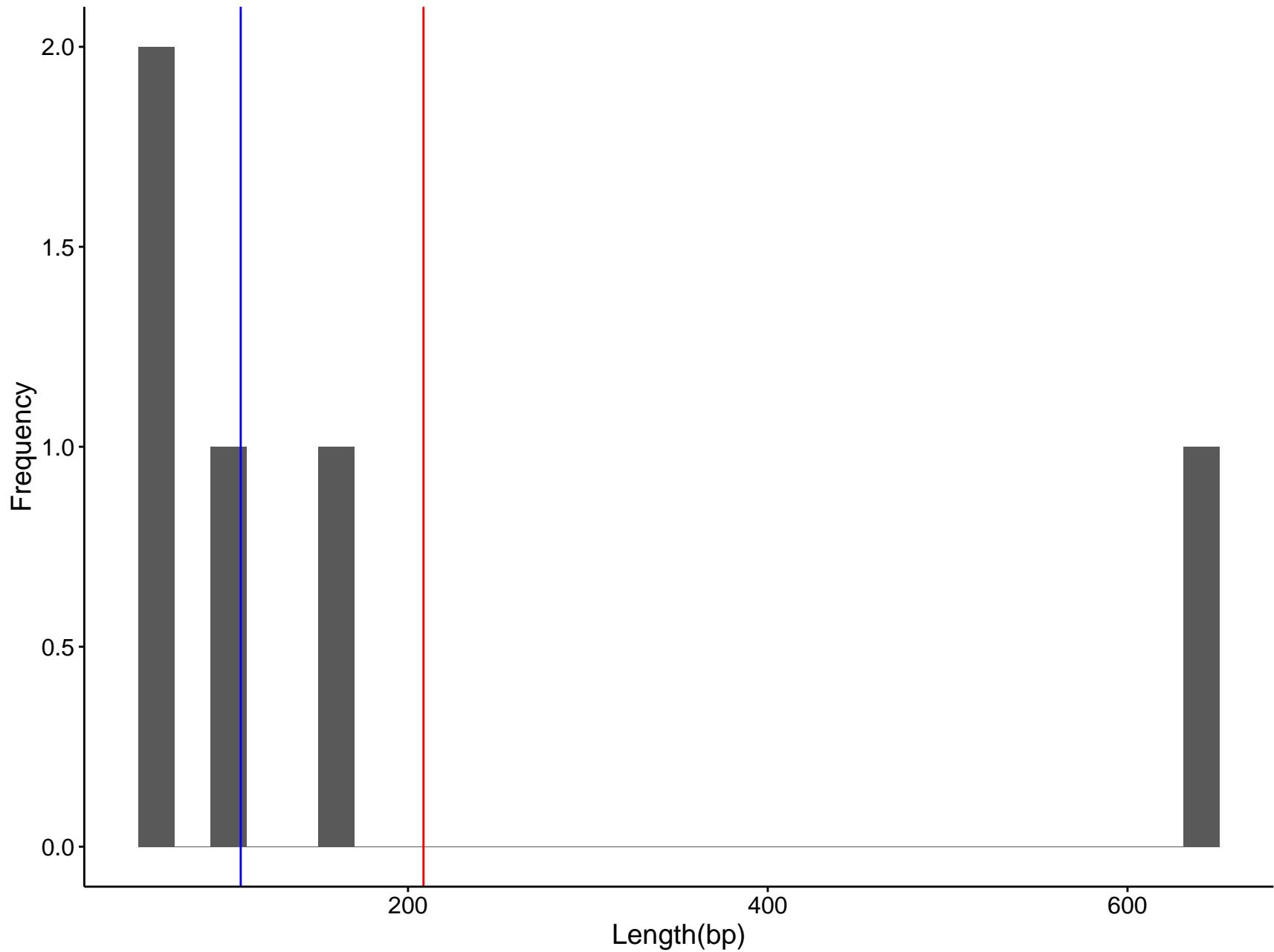
Cluster2056



Cluster2057



Cluster2058



Cluster2059

Frequency

48.950

48.975

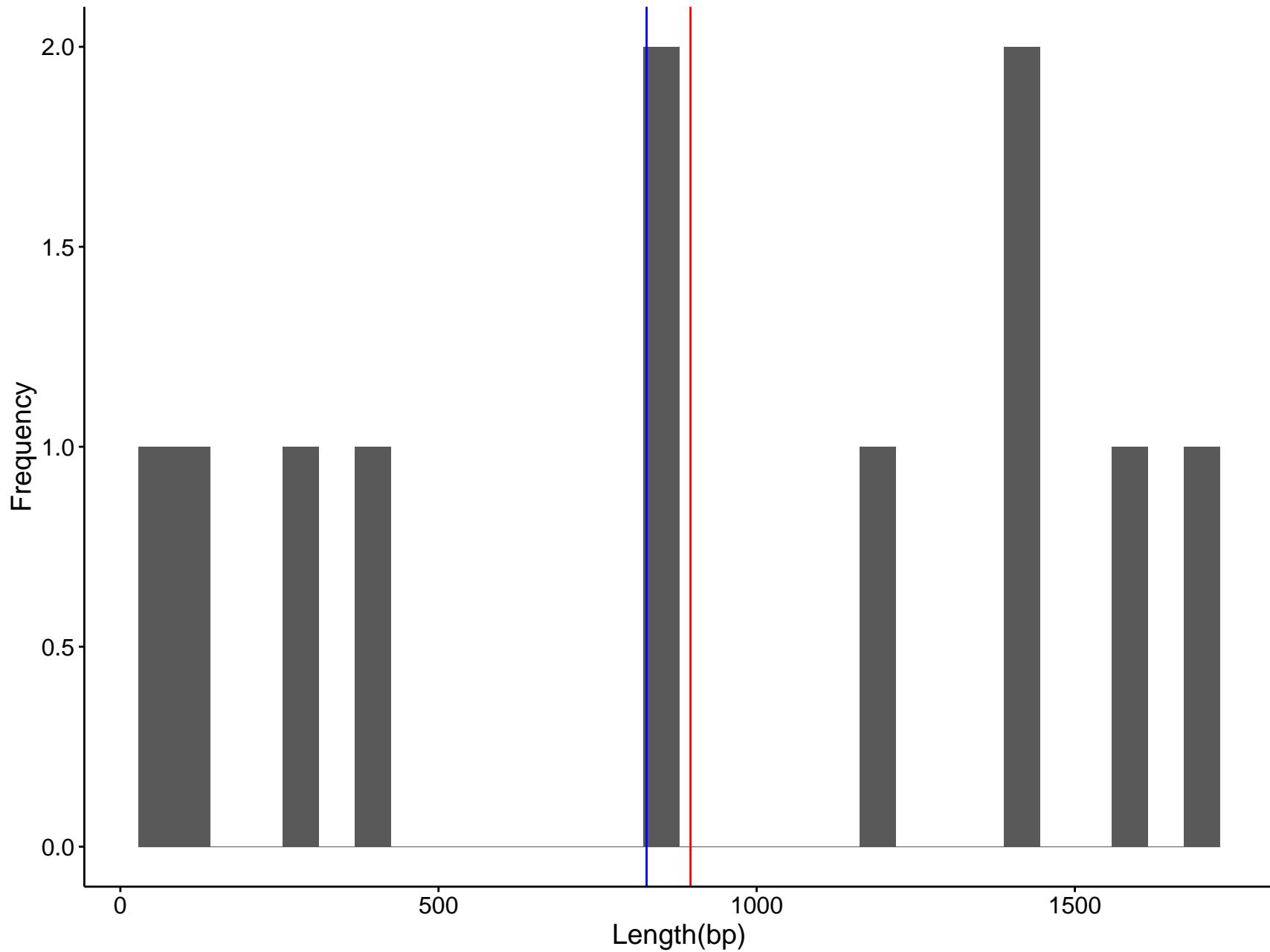
49.000

49.025

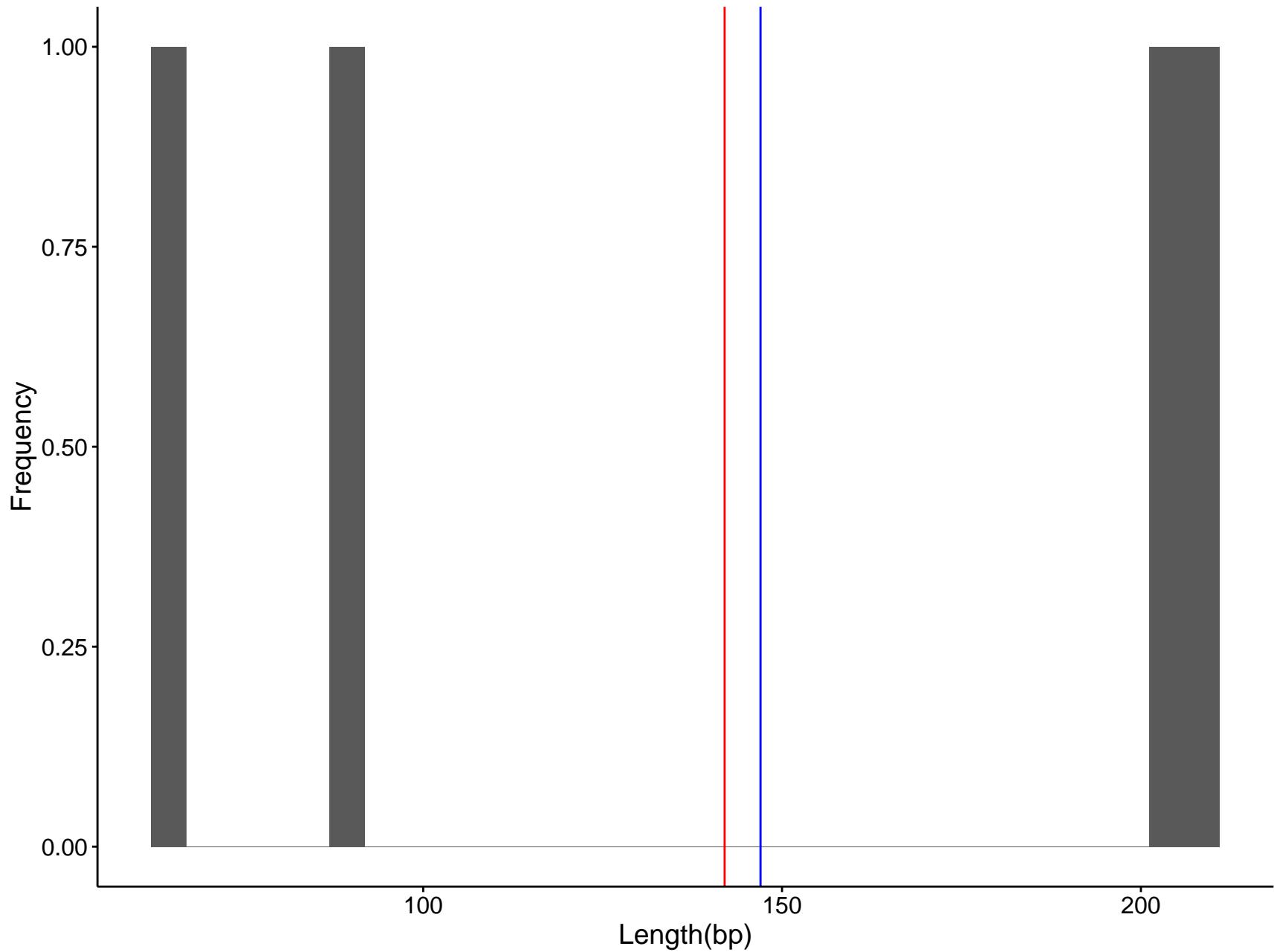
Length(bp)



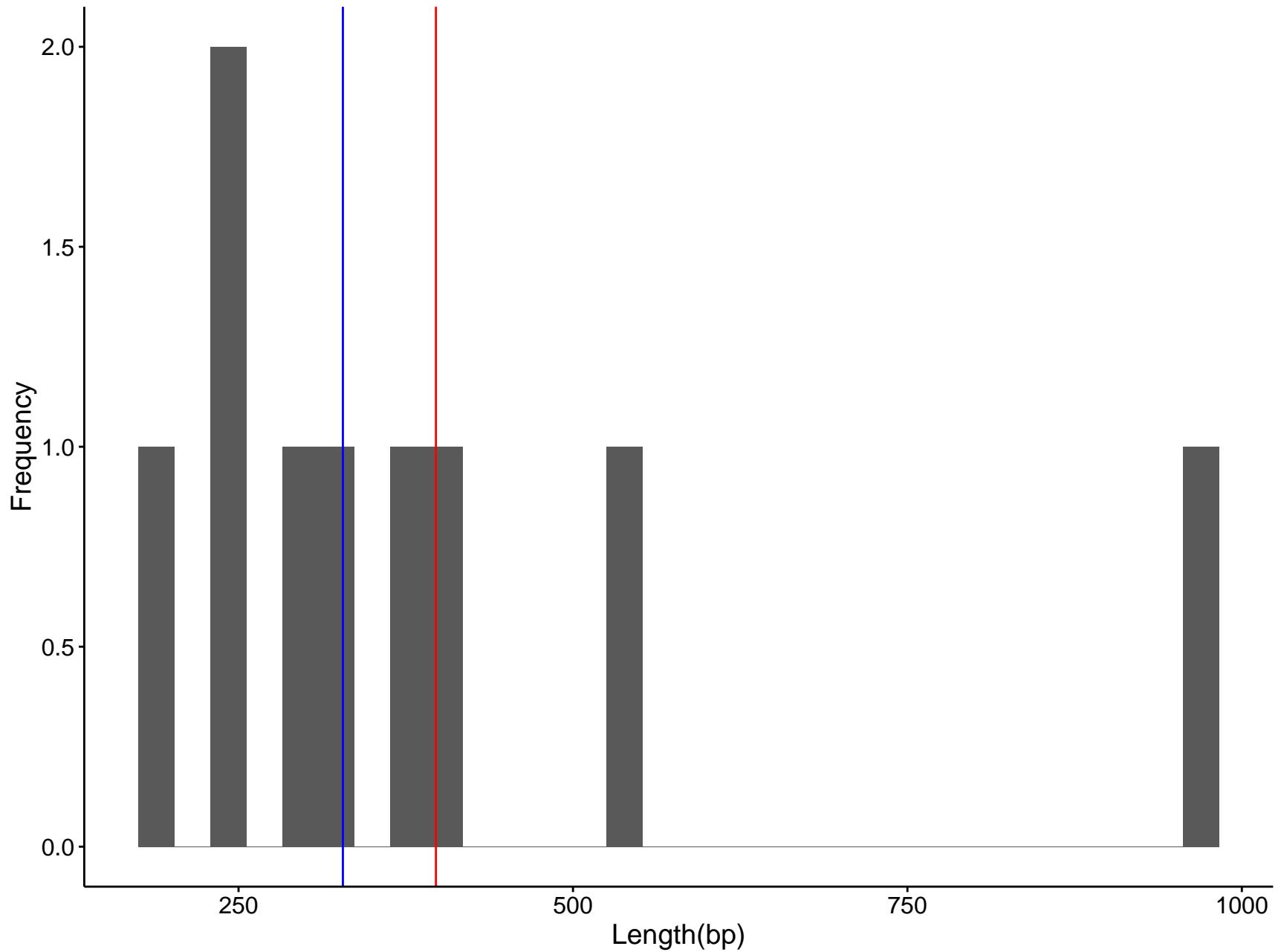
Cluster205



Cluster2060



Cluster2061



# Cluster2063

Frequency

237.950

237.975

238.000

238.025

238.050

Length(bp)



# Cluster2064

Frequency

165.950

165.975

166.000

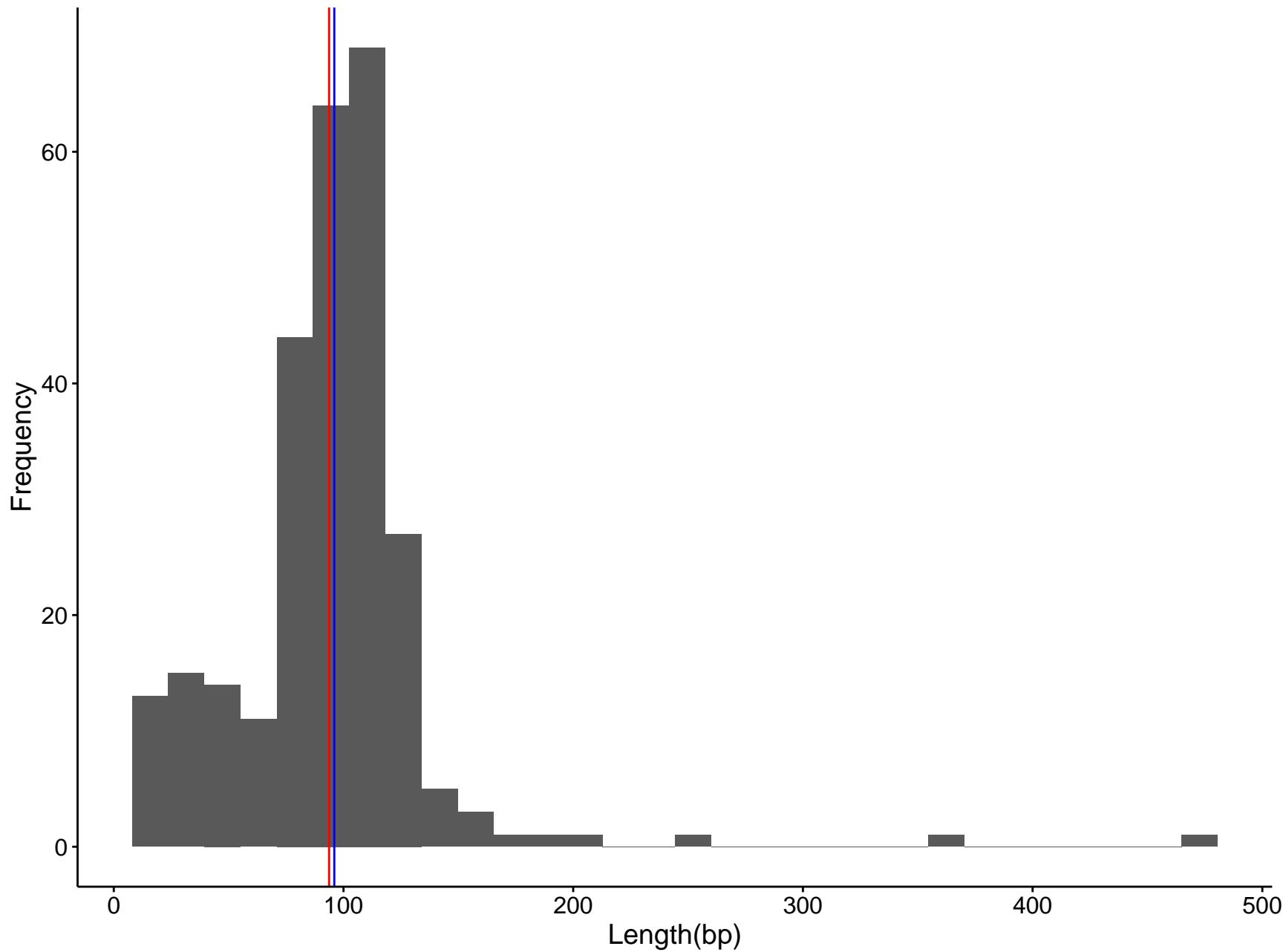
166.025

166.050

Length(bp)



Cluster2067



# Cluster2069

Frequency

1206.950

1206.975

1207.000

1207.025

1207.

Length(bp)



# Cluster206

Frequency

211.950

211.975

212.000

212.025

212.050

Length(bp)



# Cluster2070

Frequency

594.950

594.975

595.000

595.025

Length(bp)



# Cluster2071

Frequency

543.950

543.975

544.000

544.025

Length(bp)



# Cluster2072

Frequency

624.950

624.975

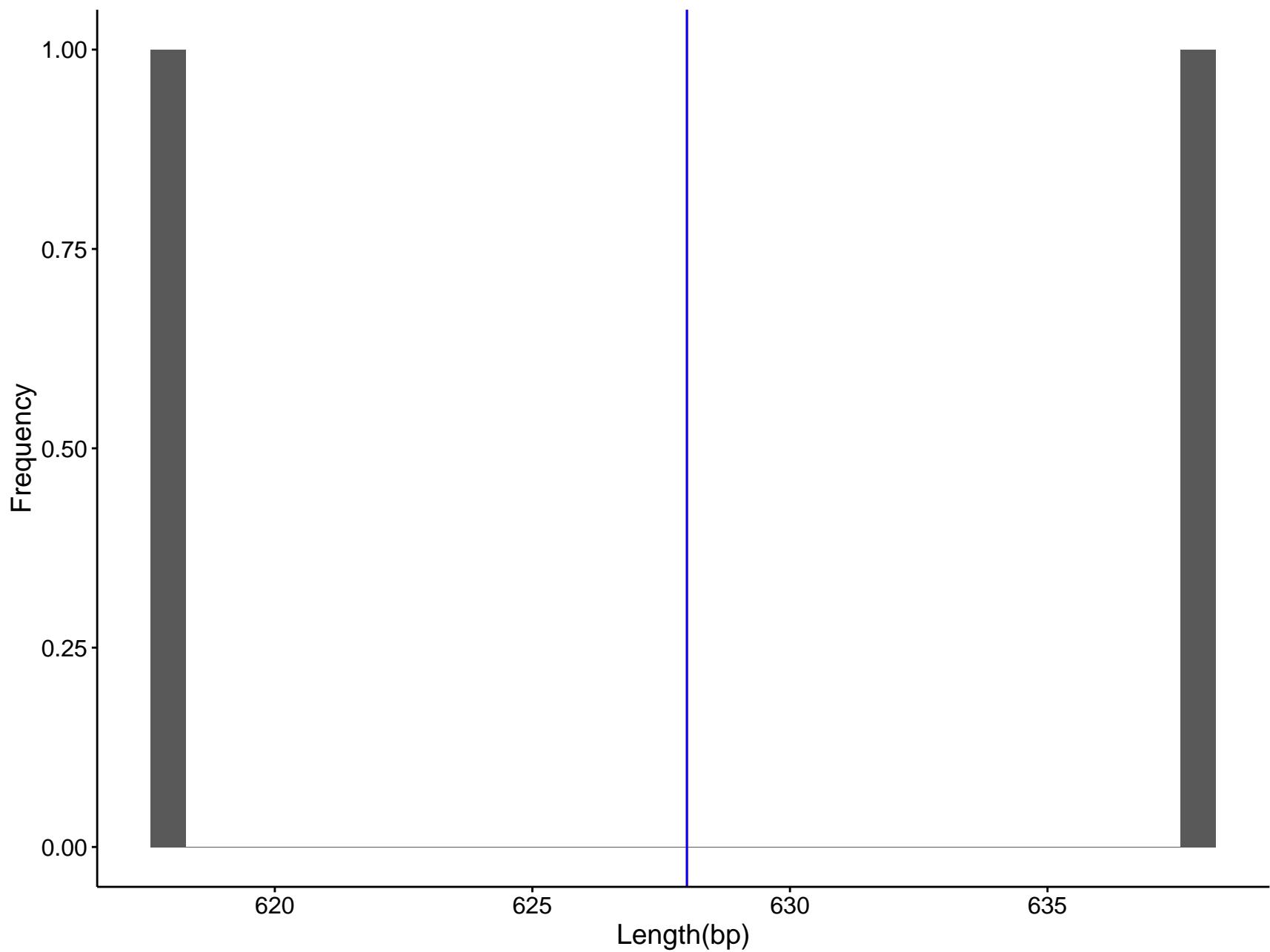
625.000

625.025

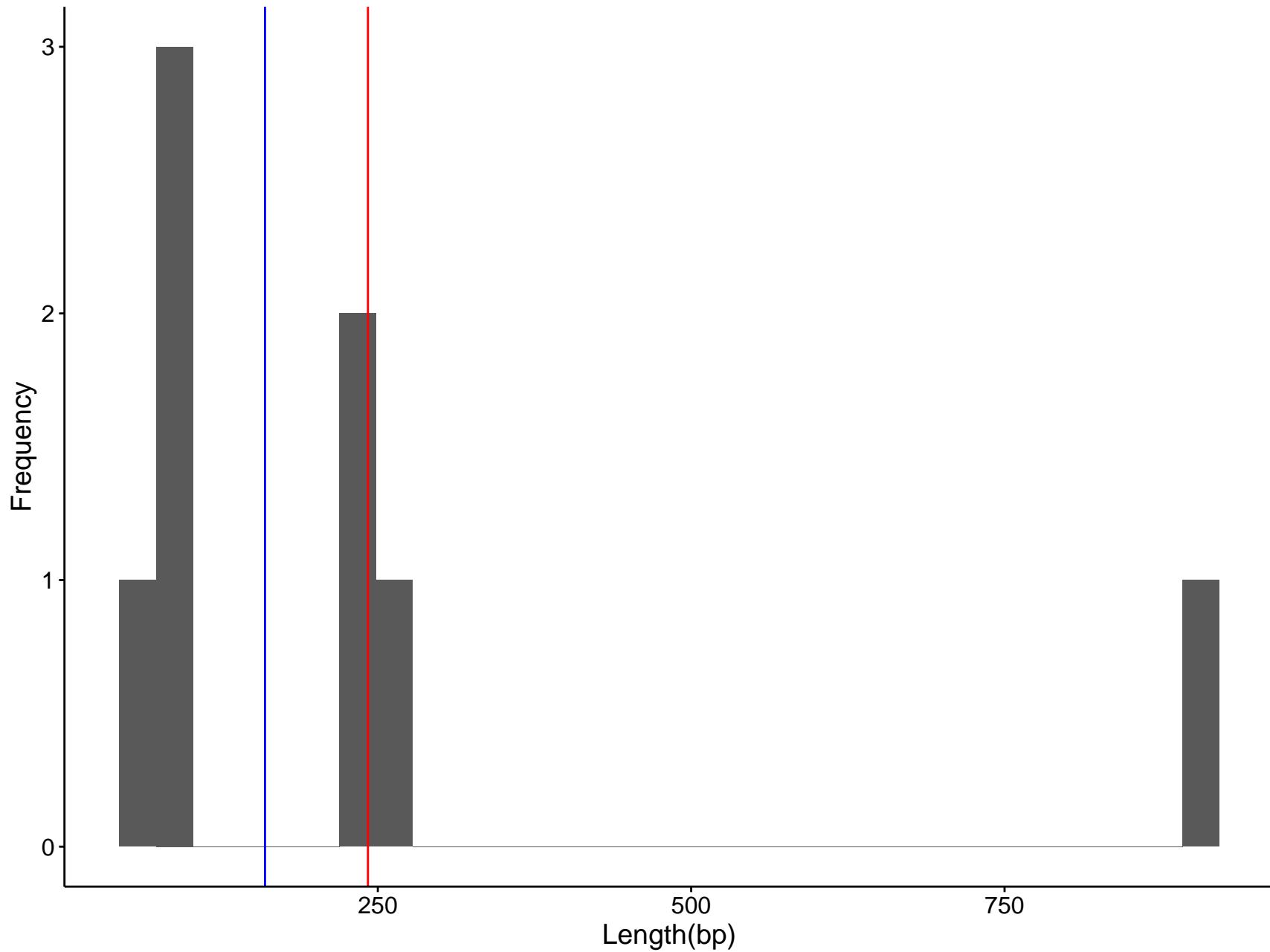
Length(bp)



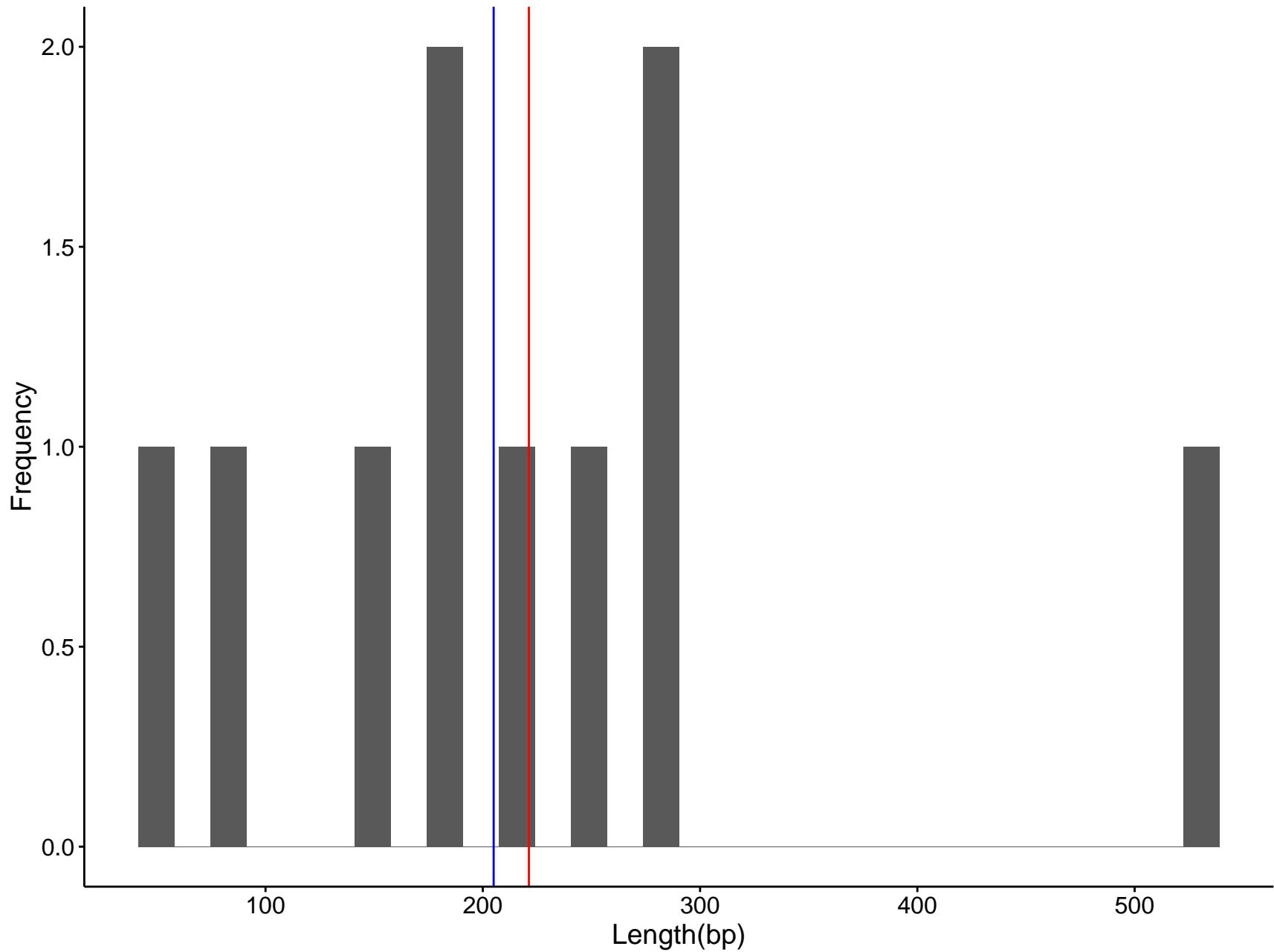
Cluster2073



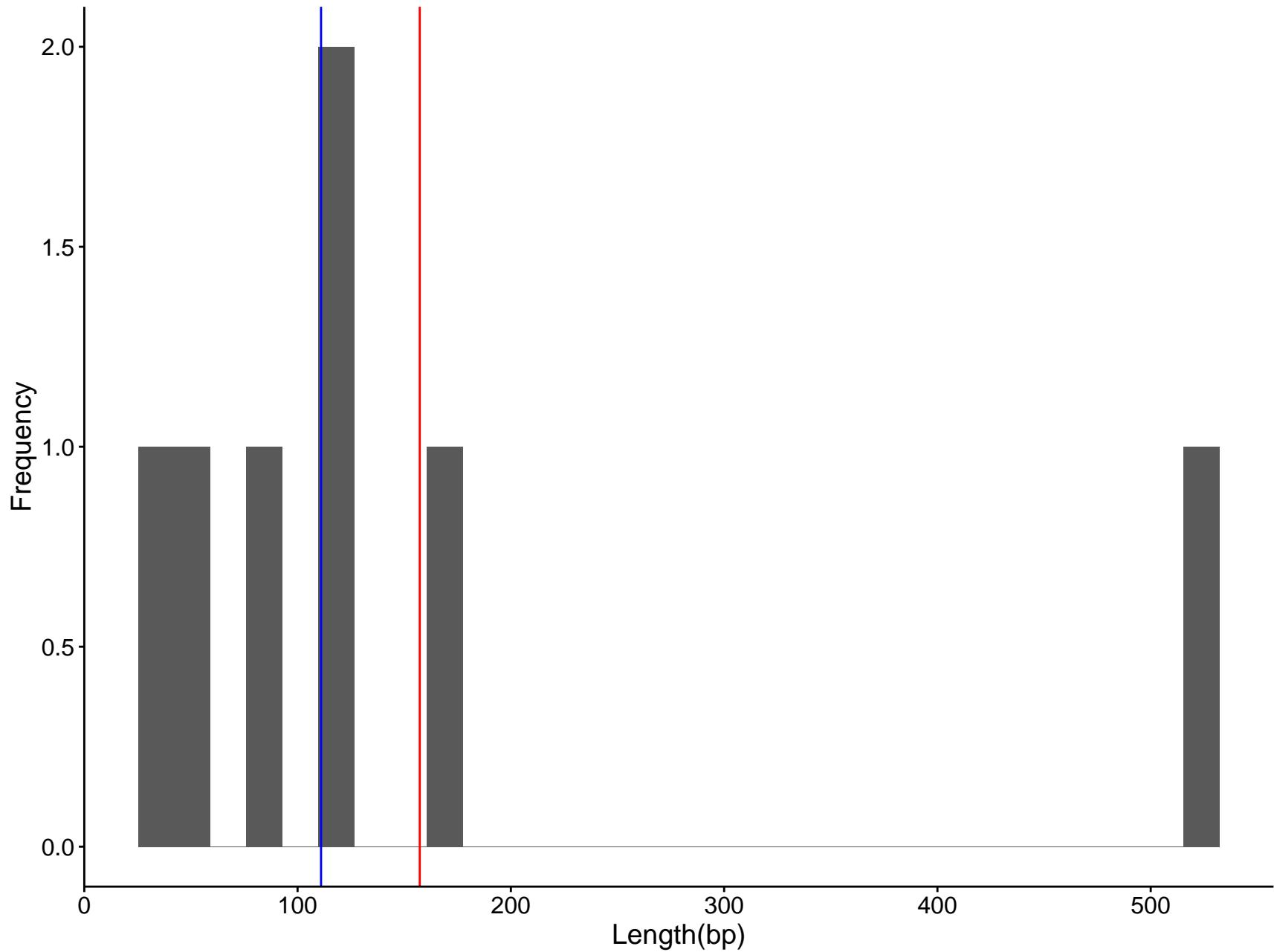
Cluster2074



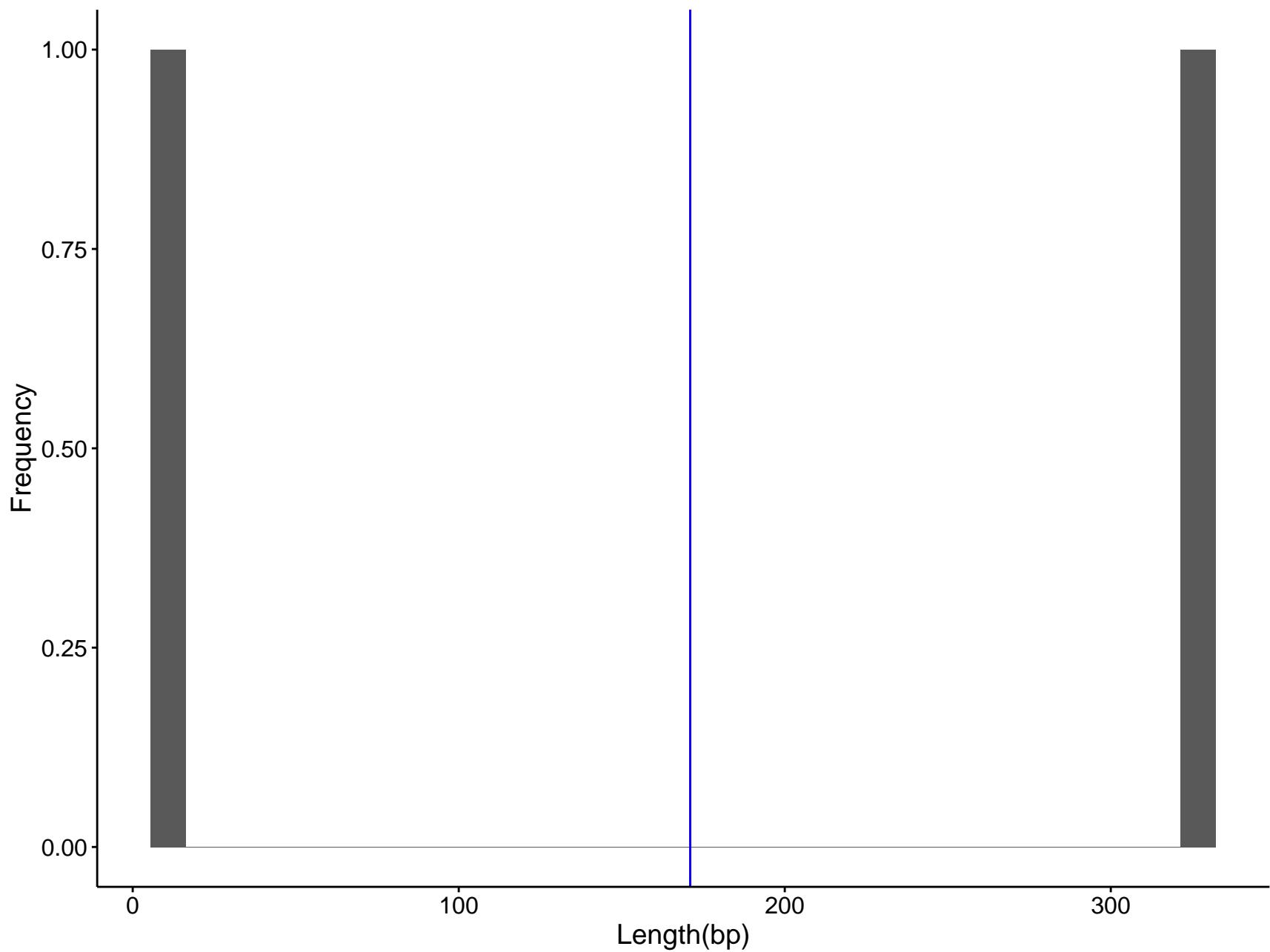
Cluster2075



Cluster2076



Cluster2077



Cluster2079

Frequency

139.950

139.975

140.000

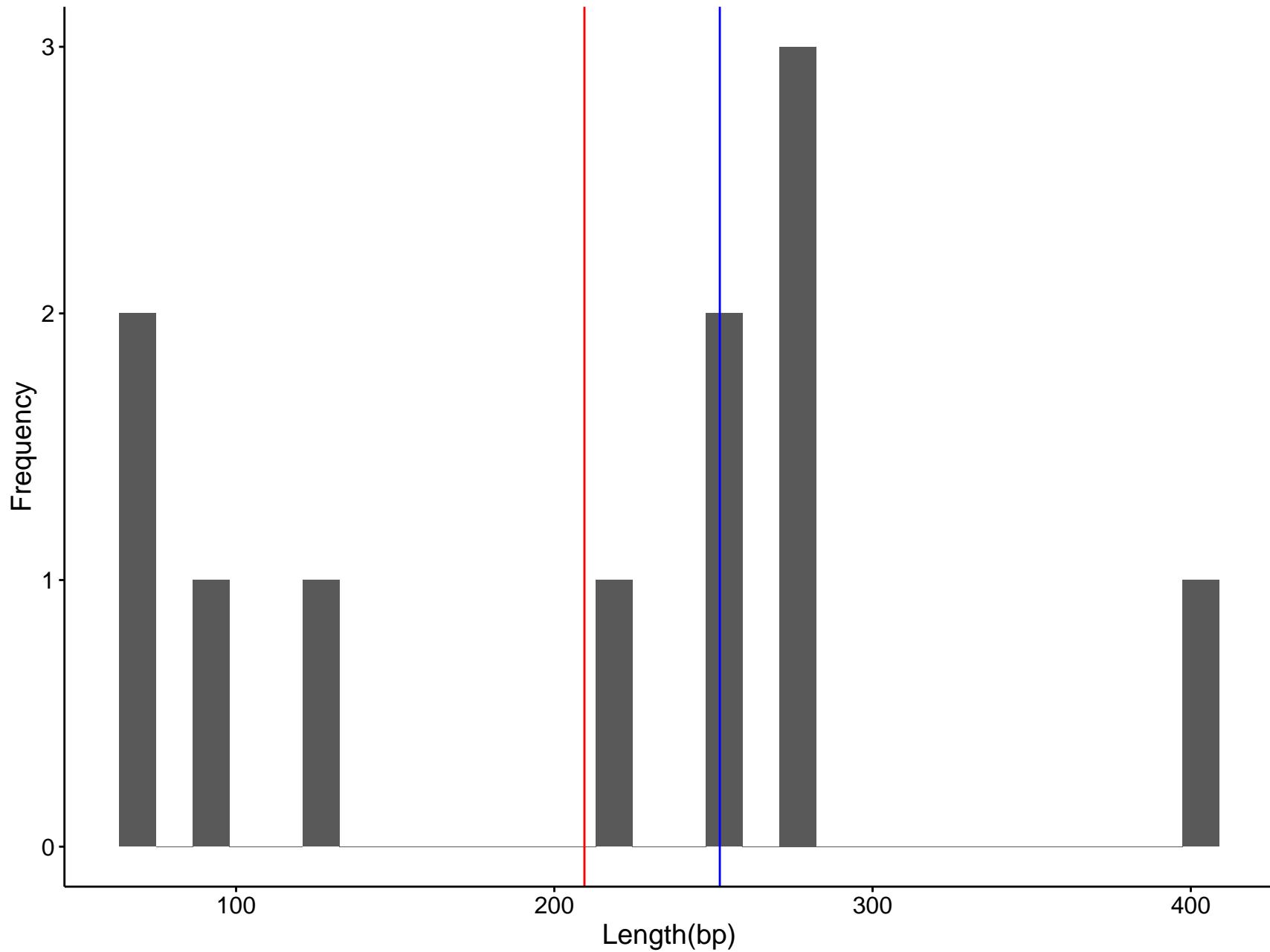
140.025

140.050

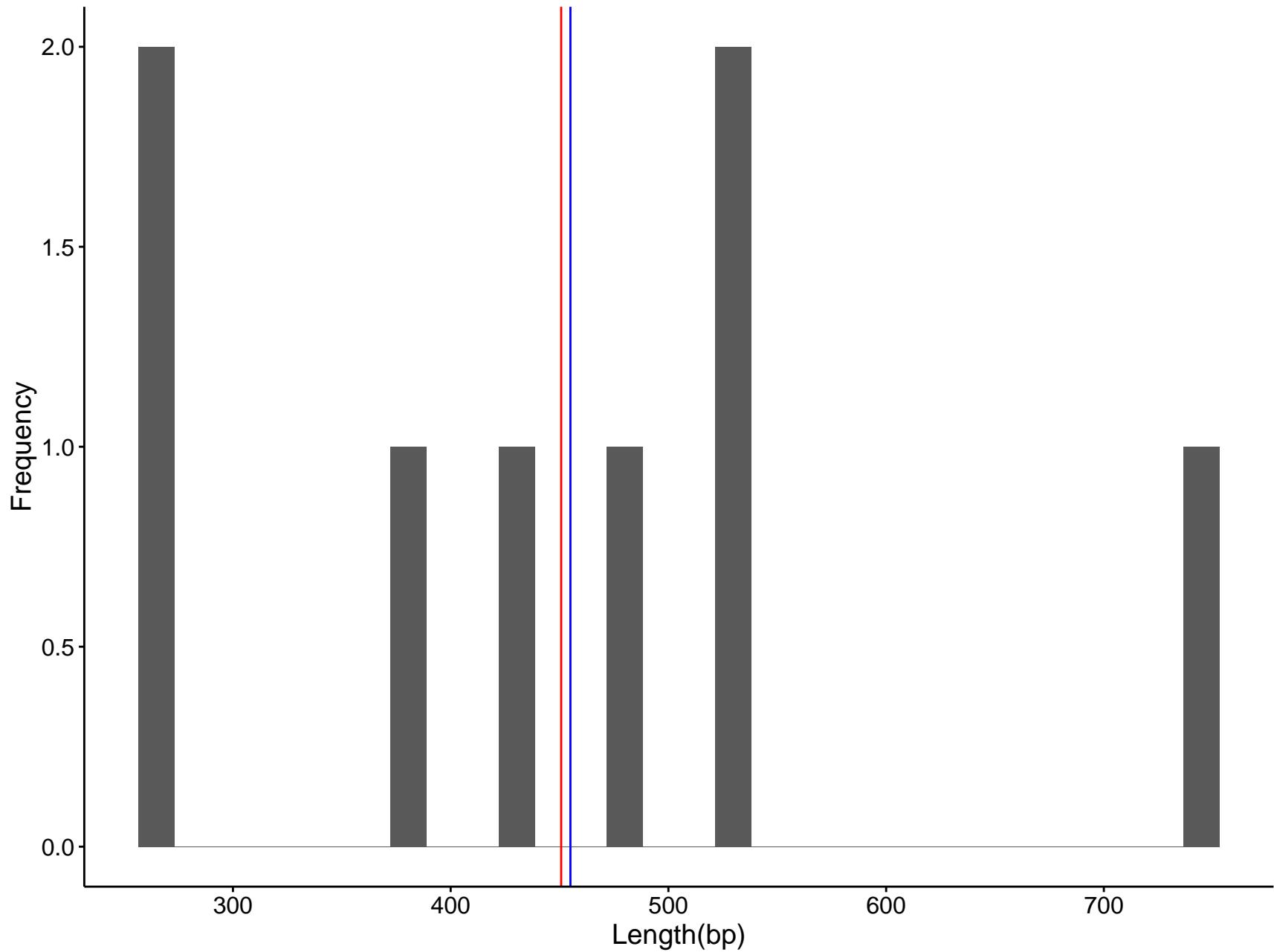
Length(bp)



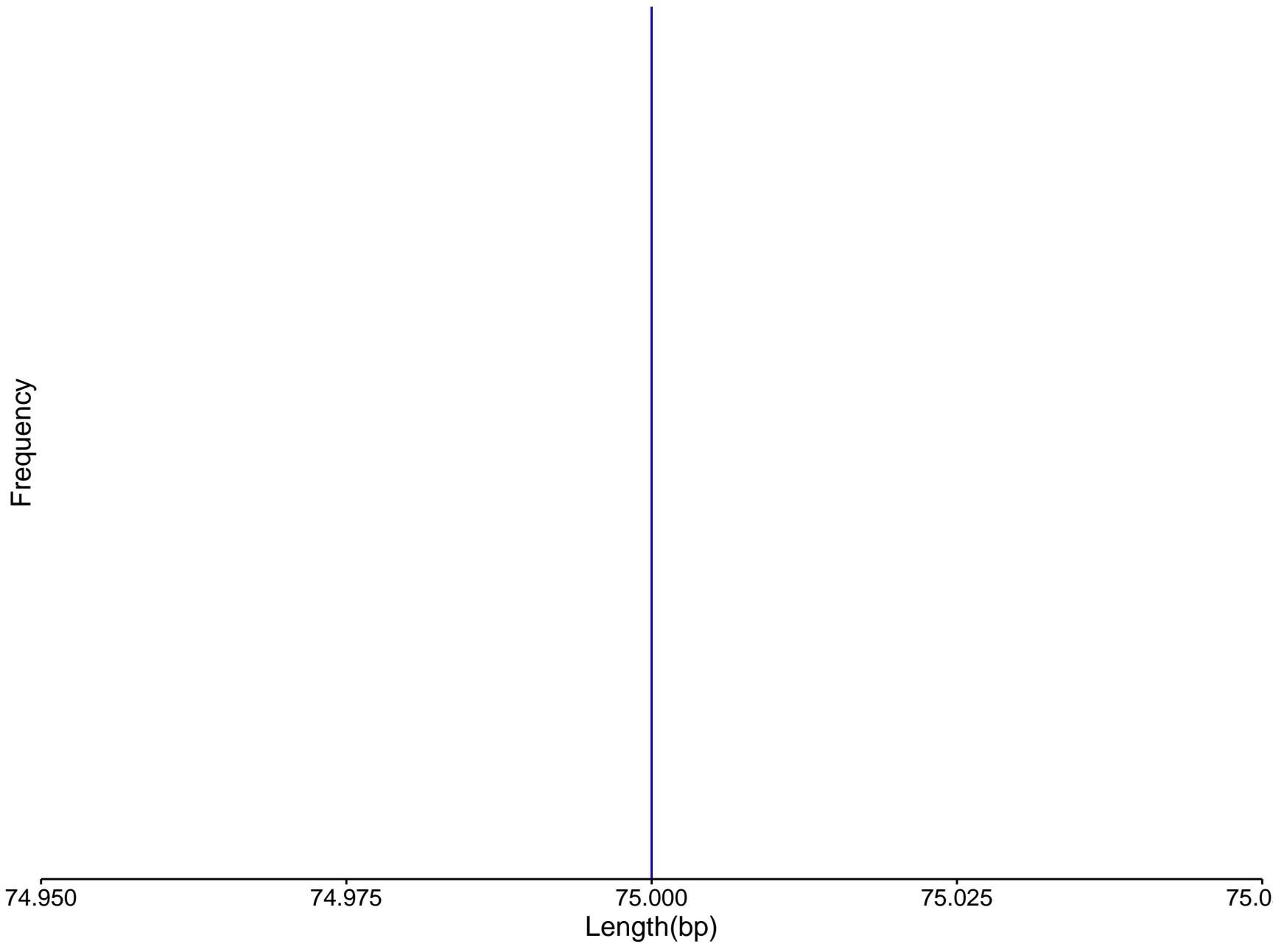
Cluster207



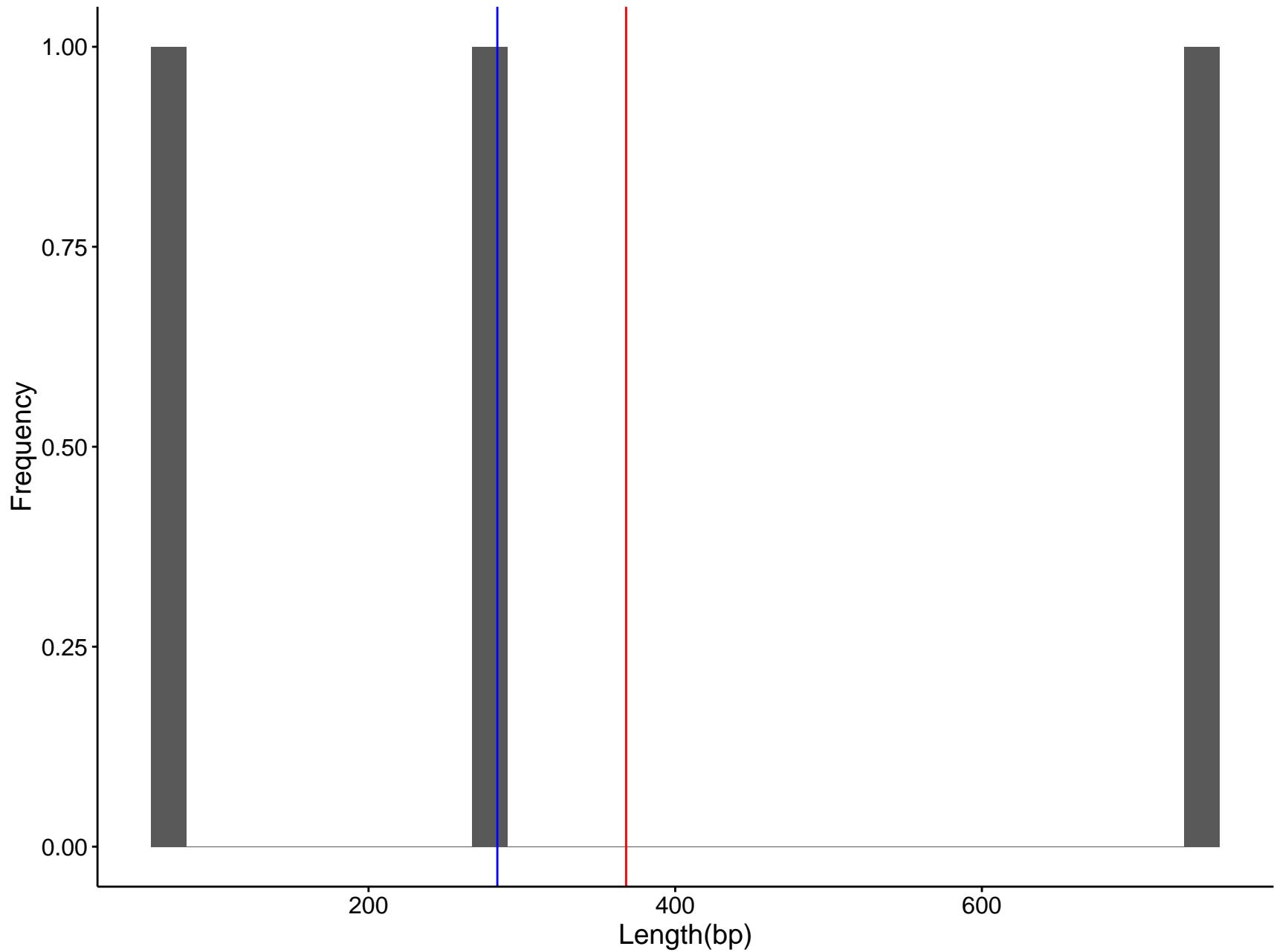
Cluster2080



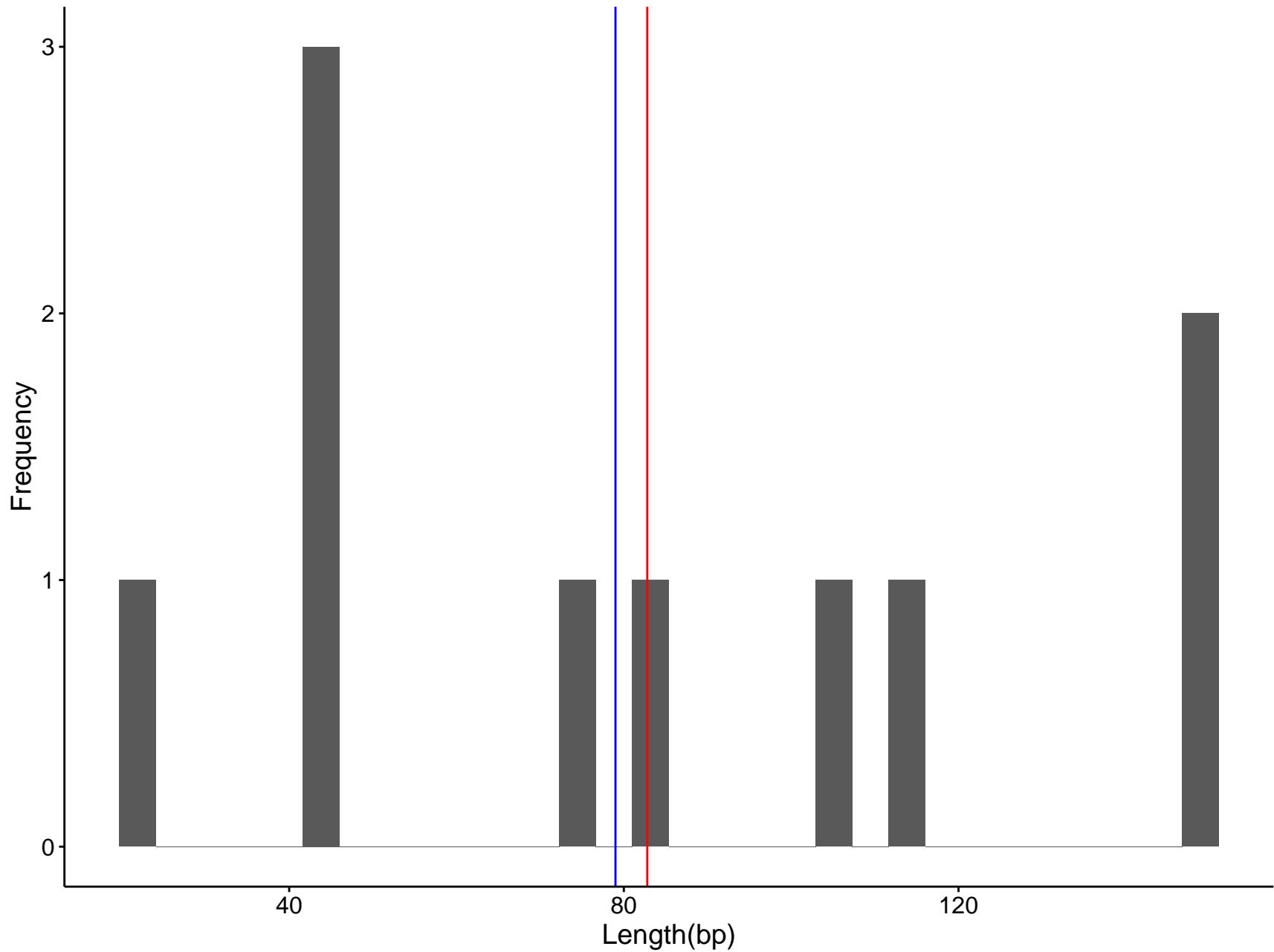
# Cluster2085



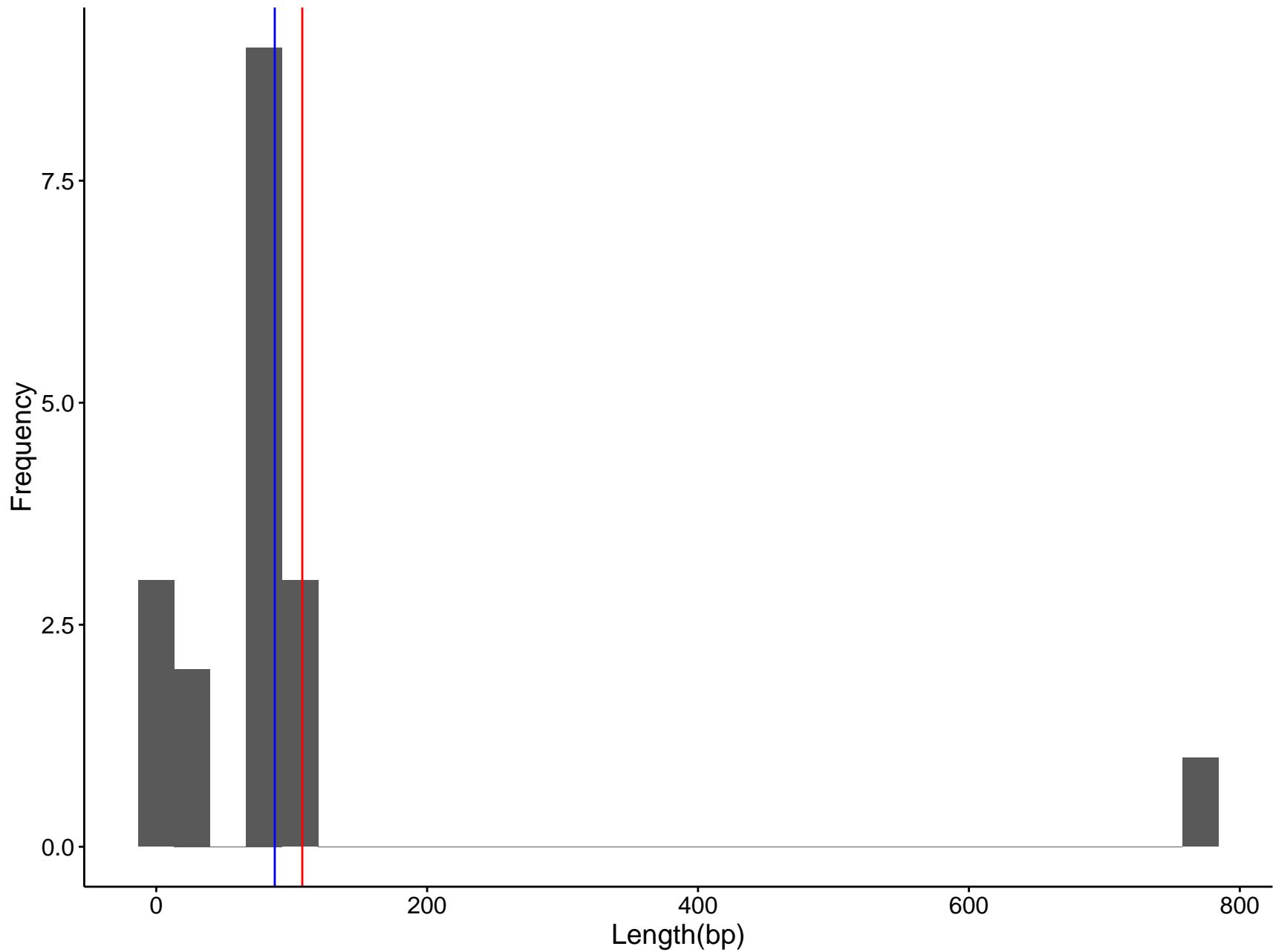
Cluster208



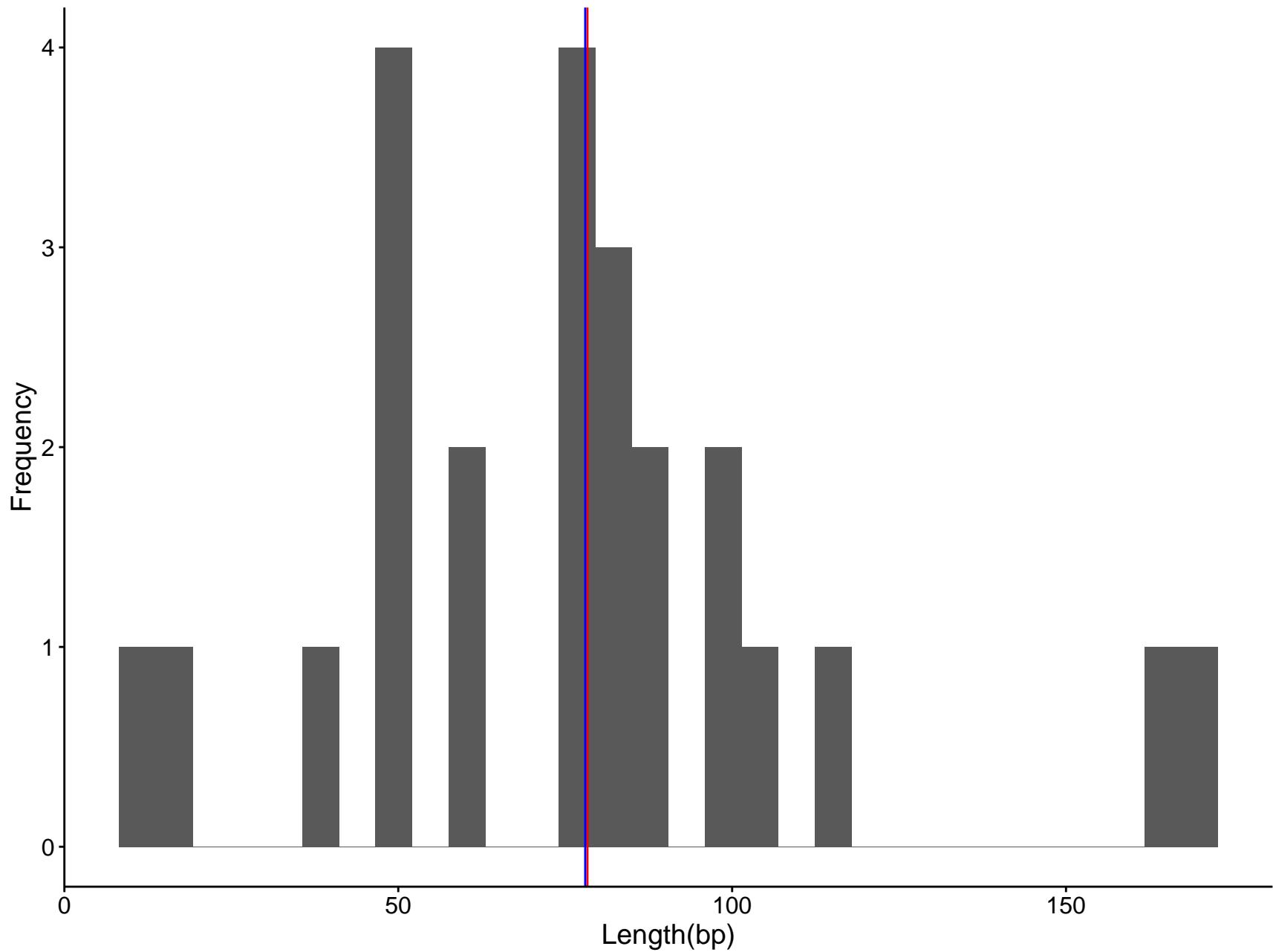
Cluster2098



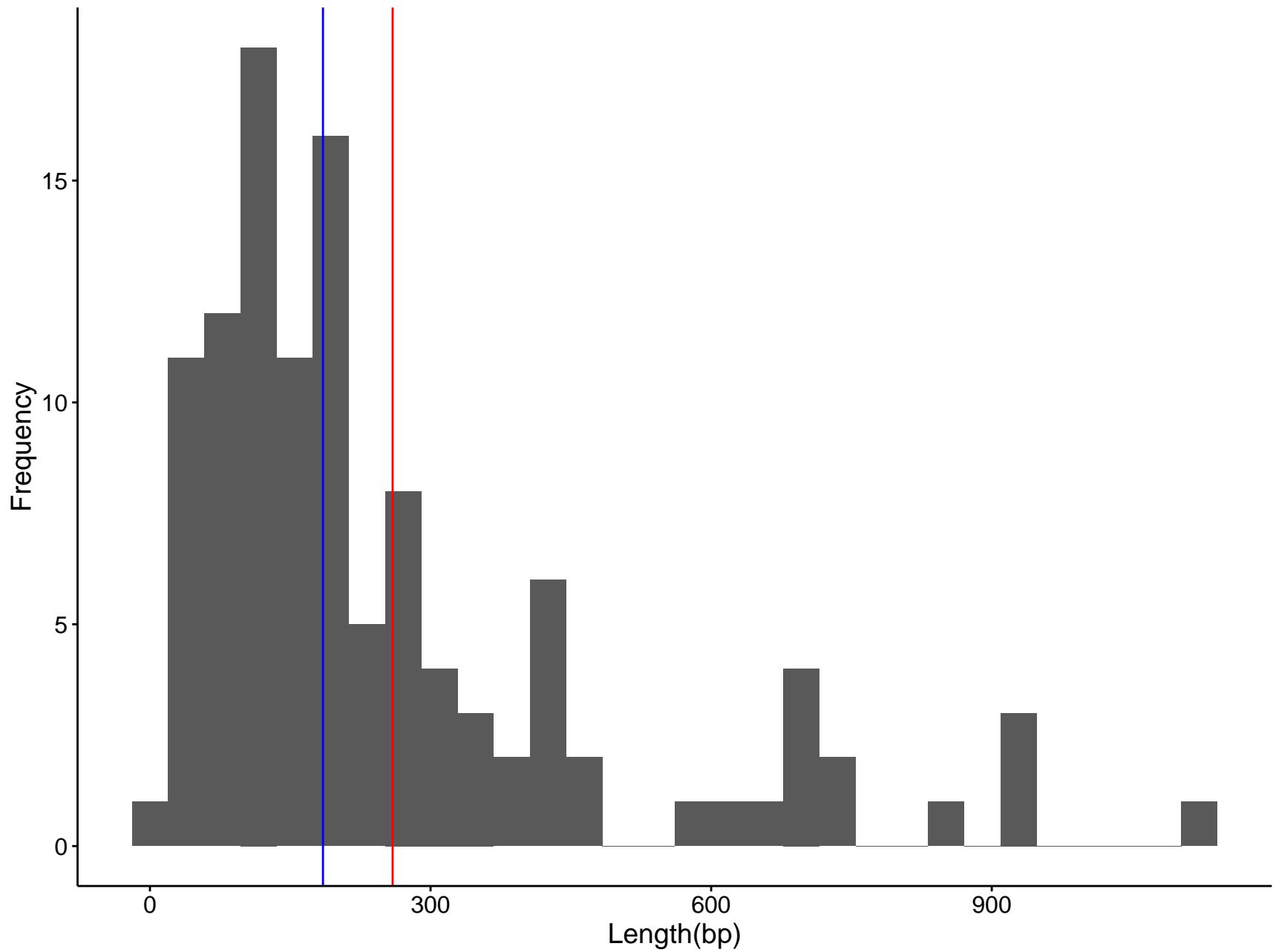
Cluster209



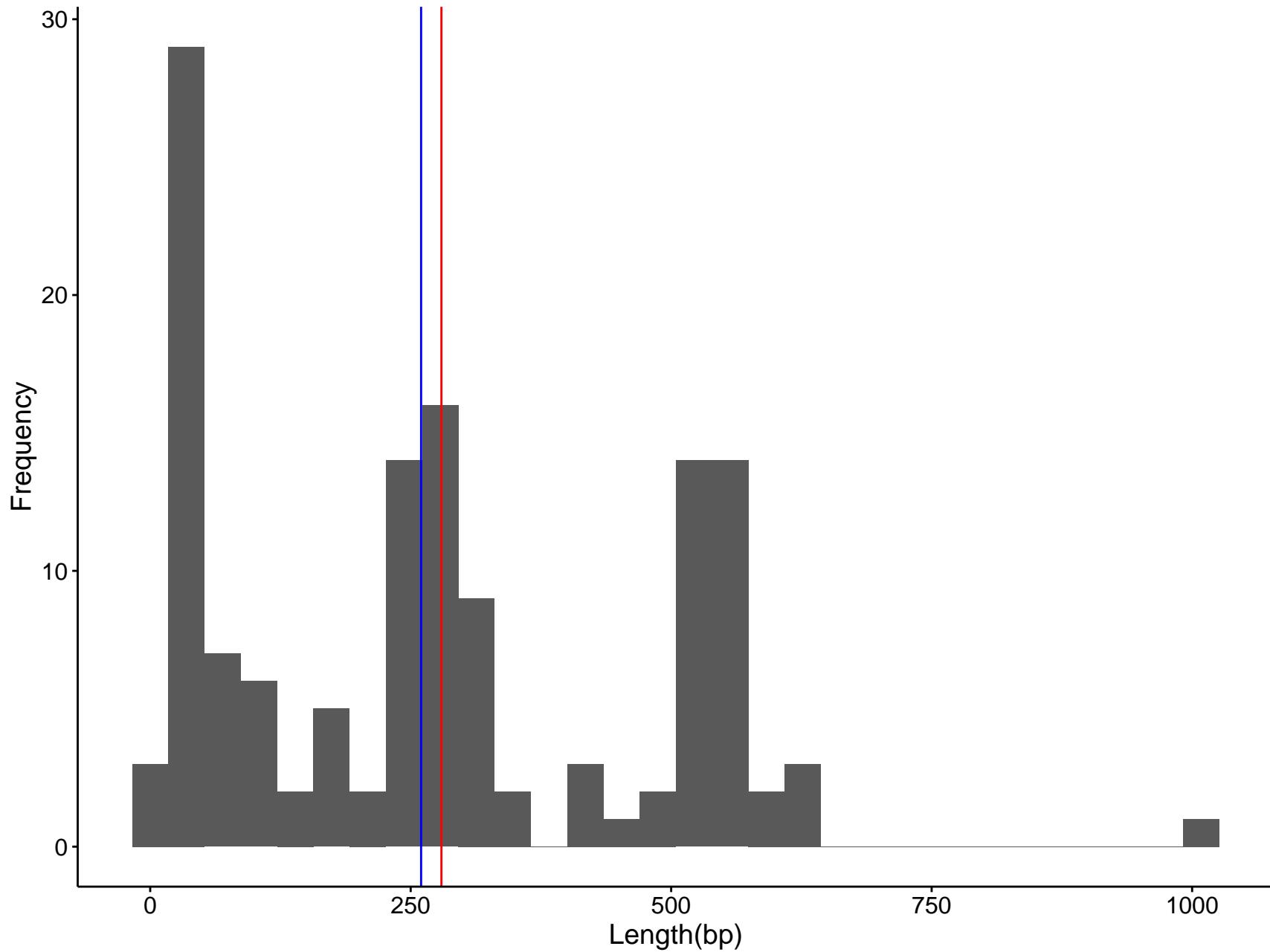
Cluster20



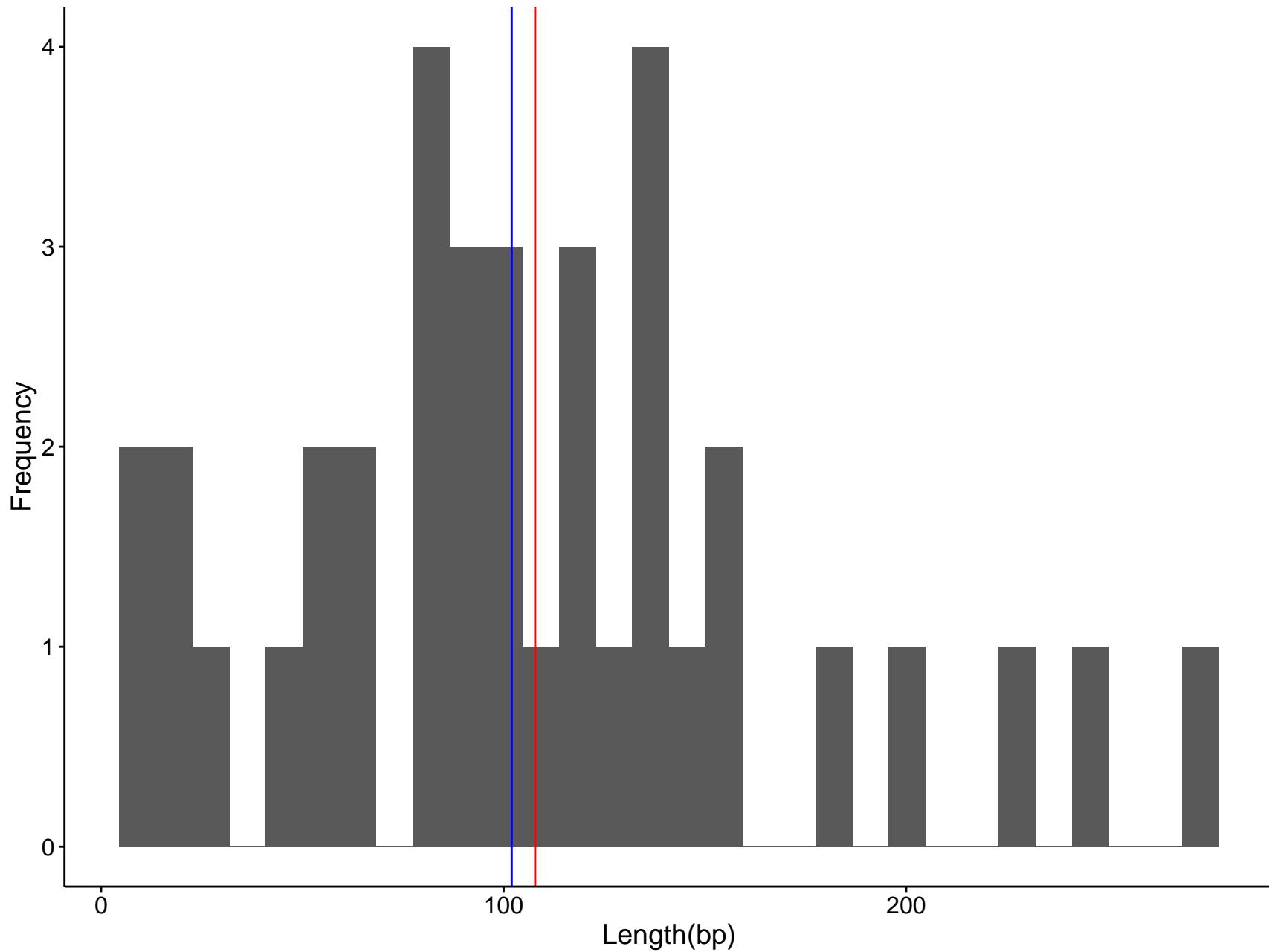
Cluster2109



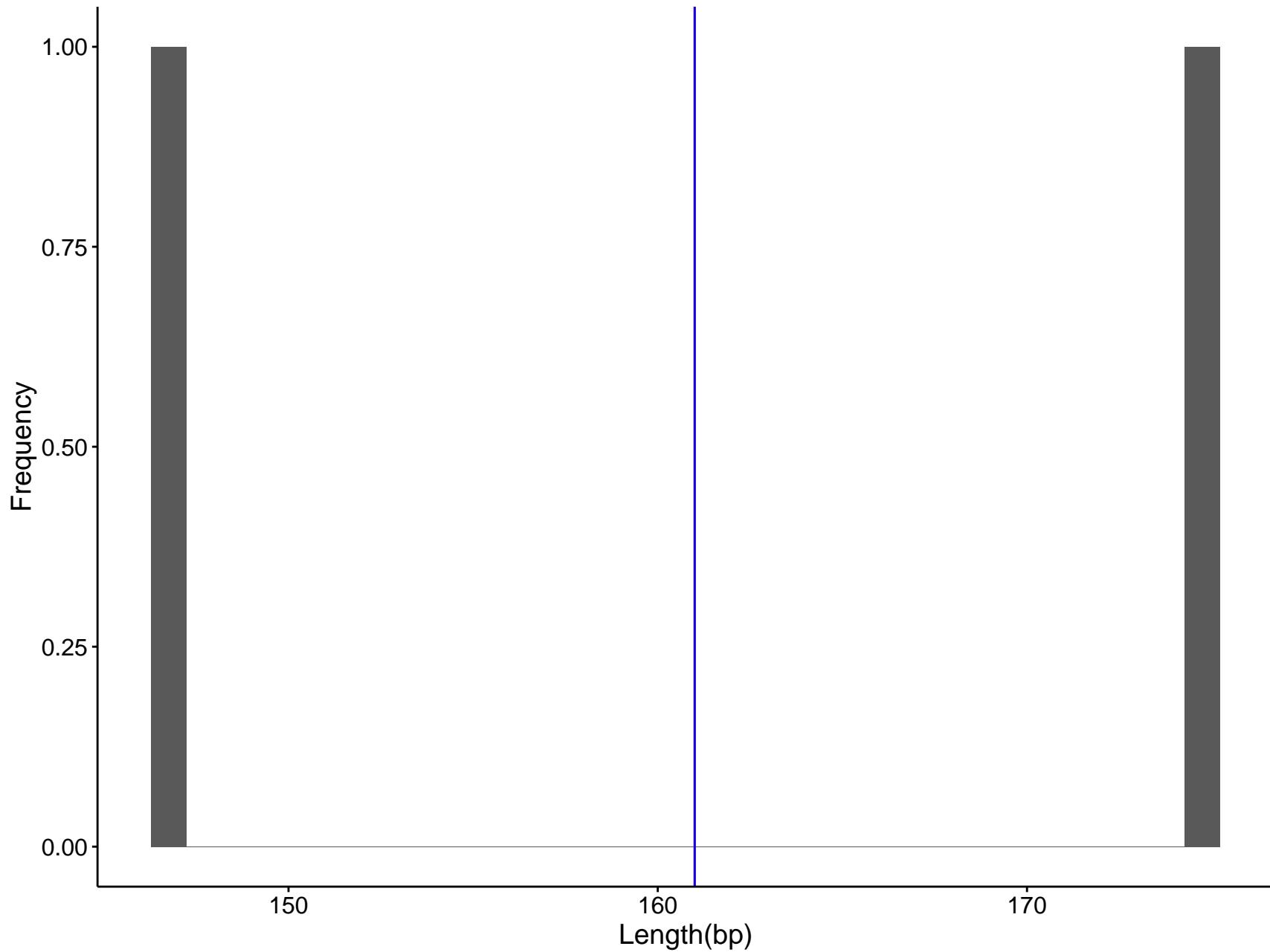
Cluster210



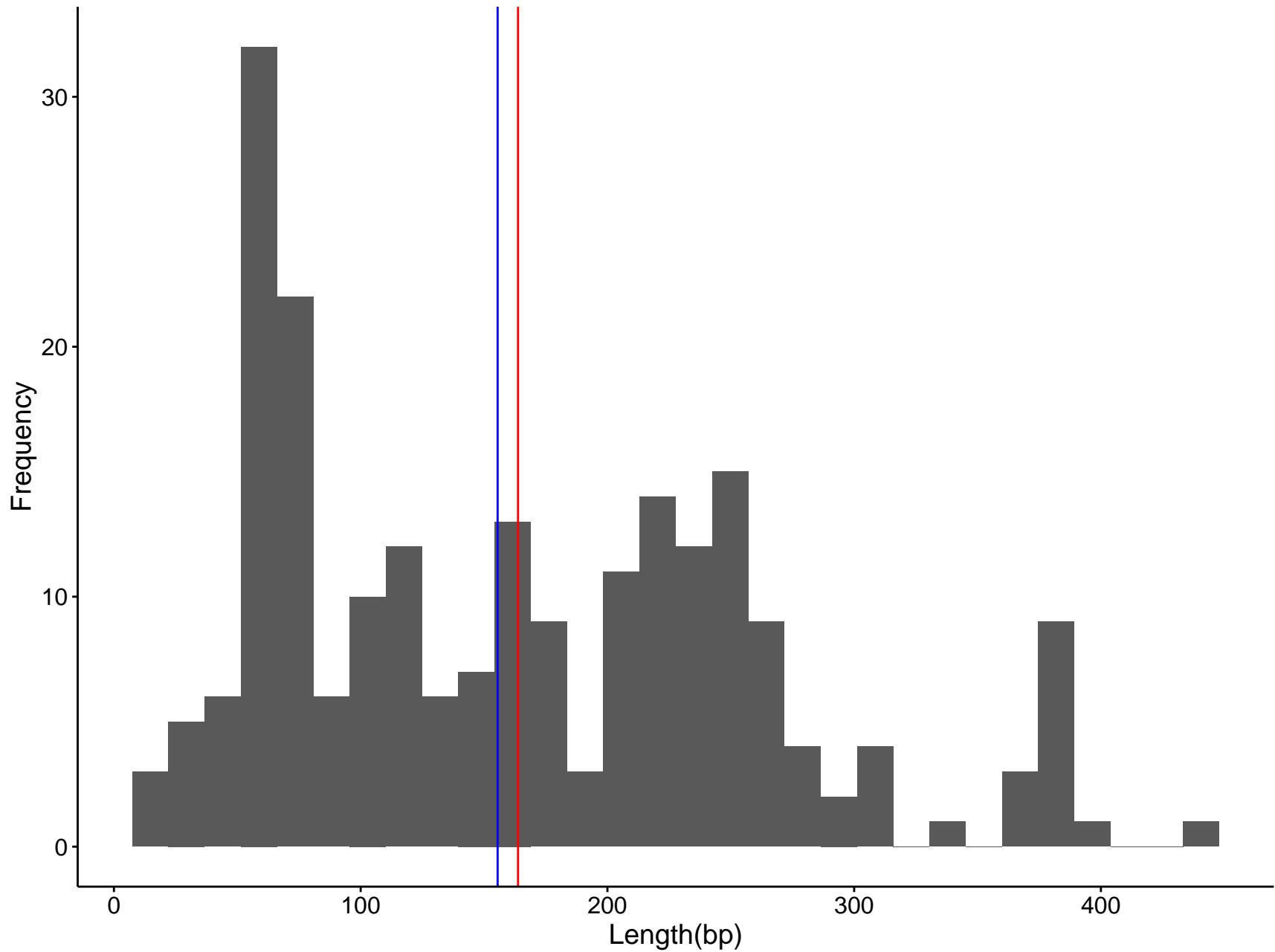
Cluster2113



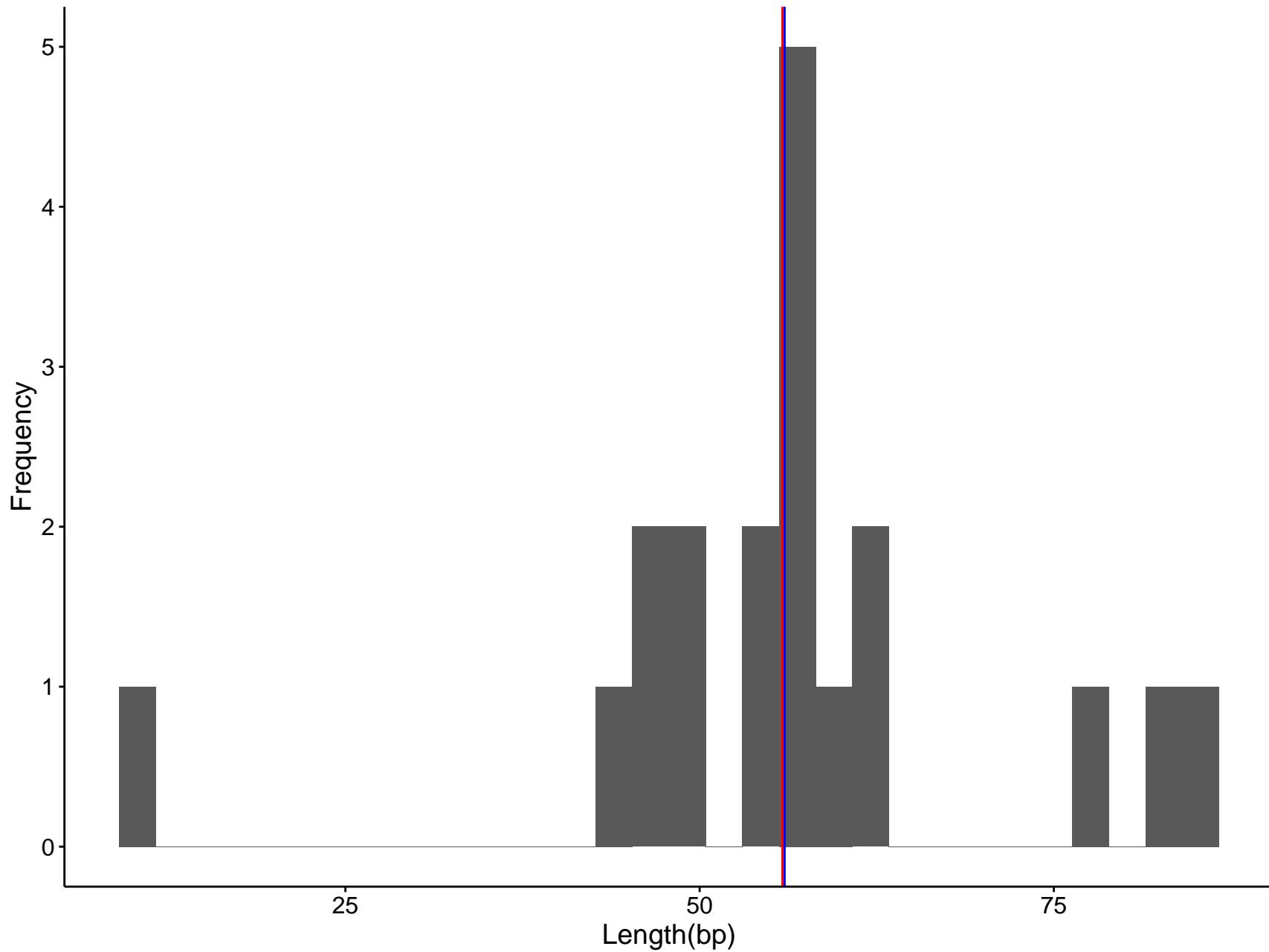
Cluster211



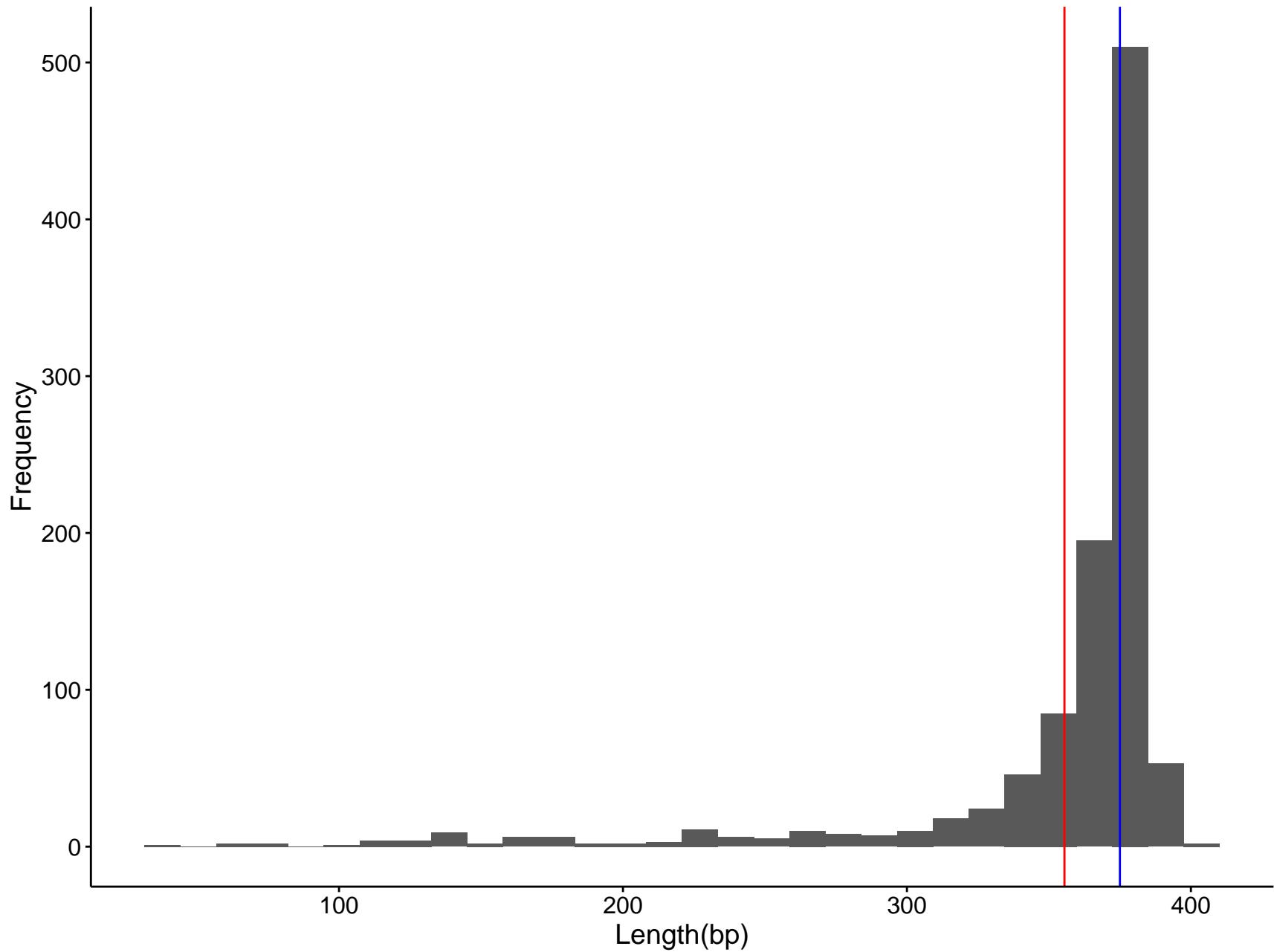
Cluster2121



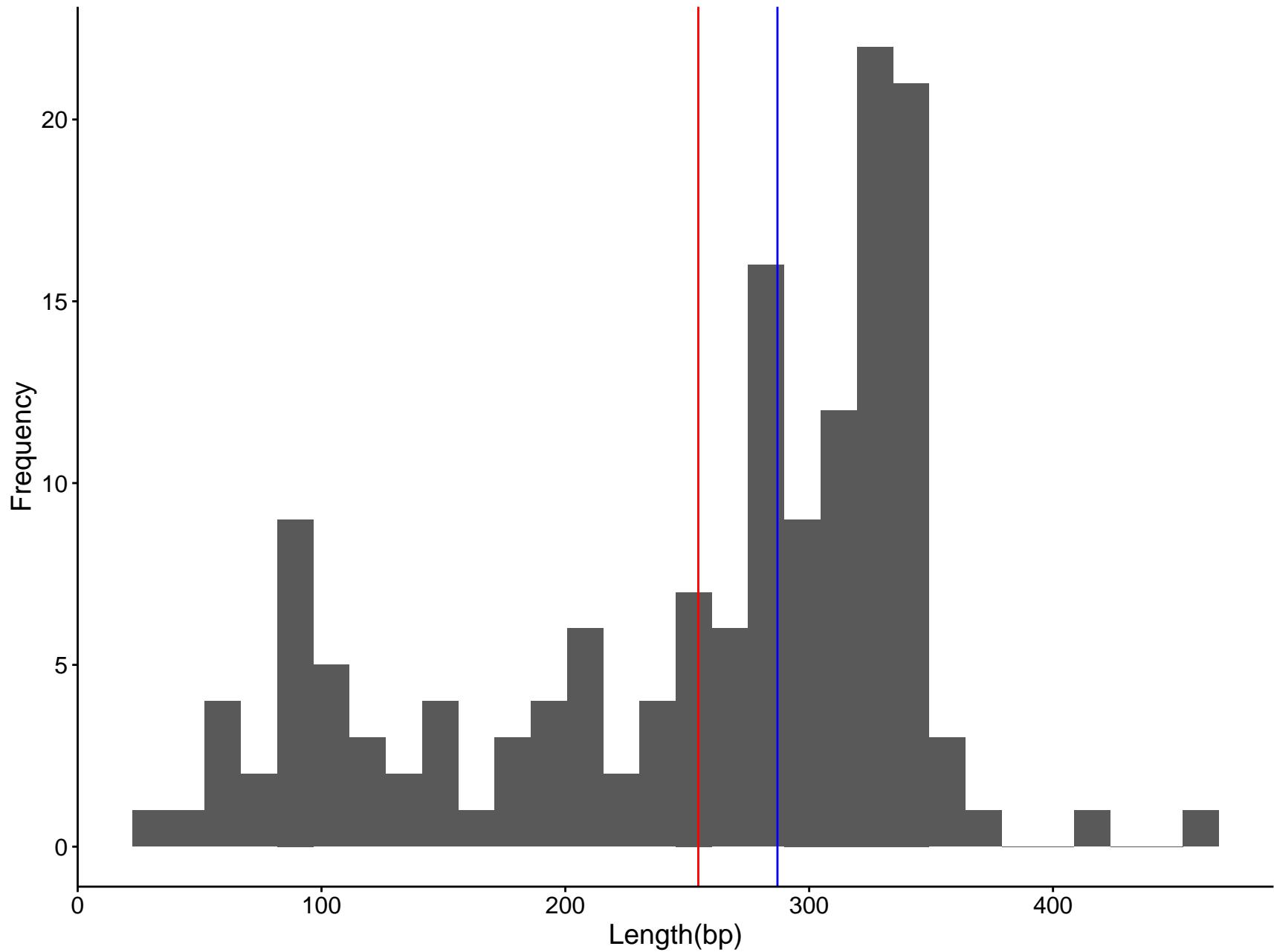
Cluster2122



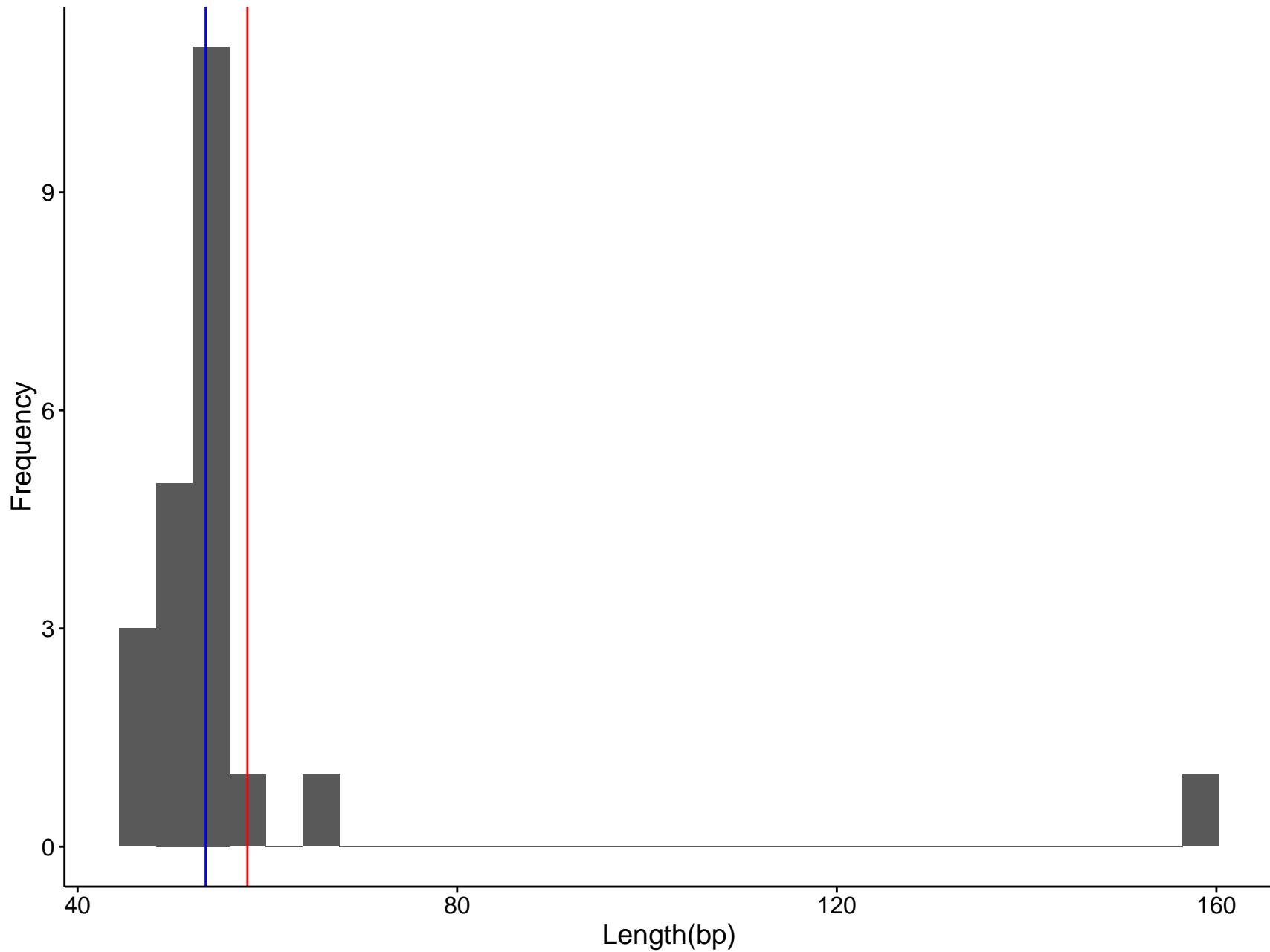
Cluster2124



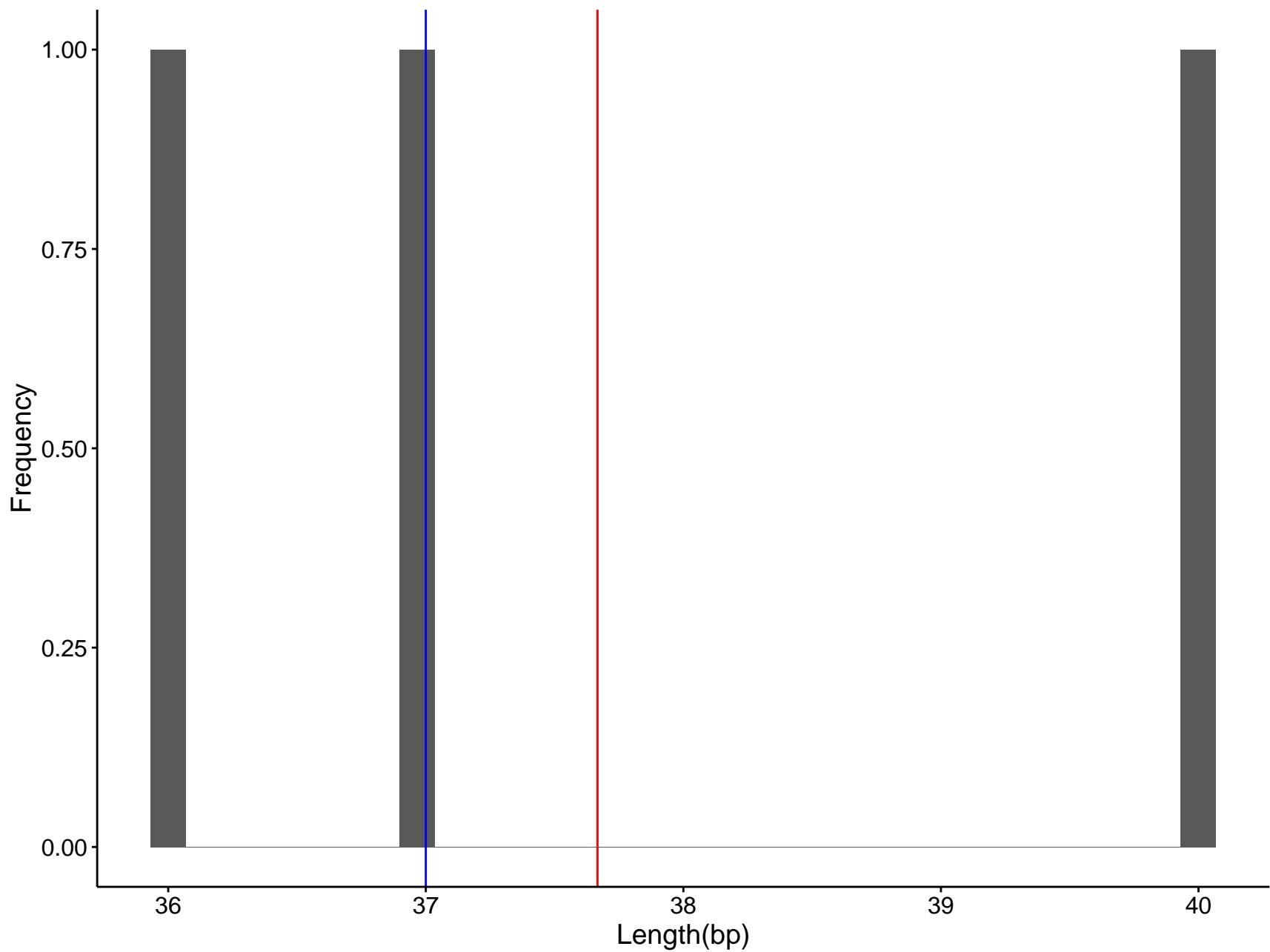
Cluster2125



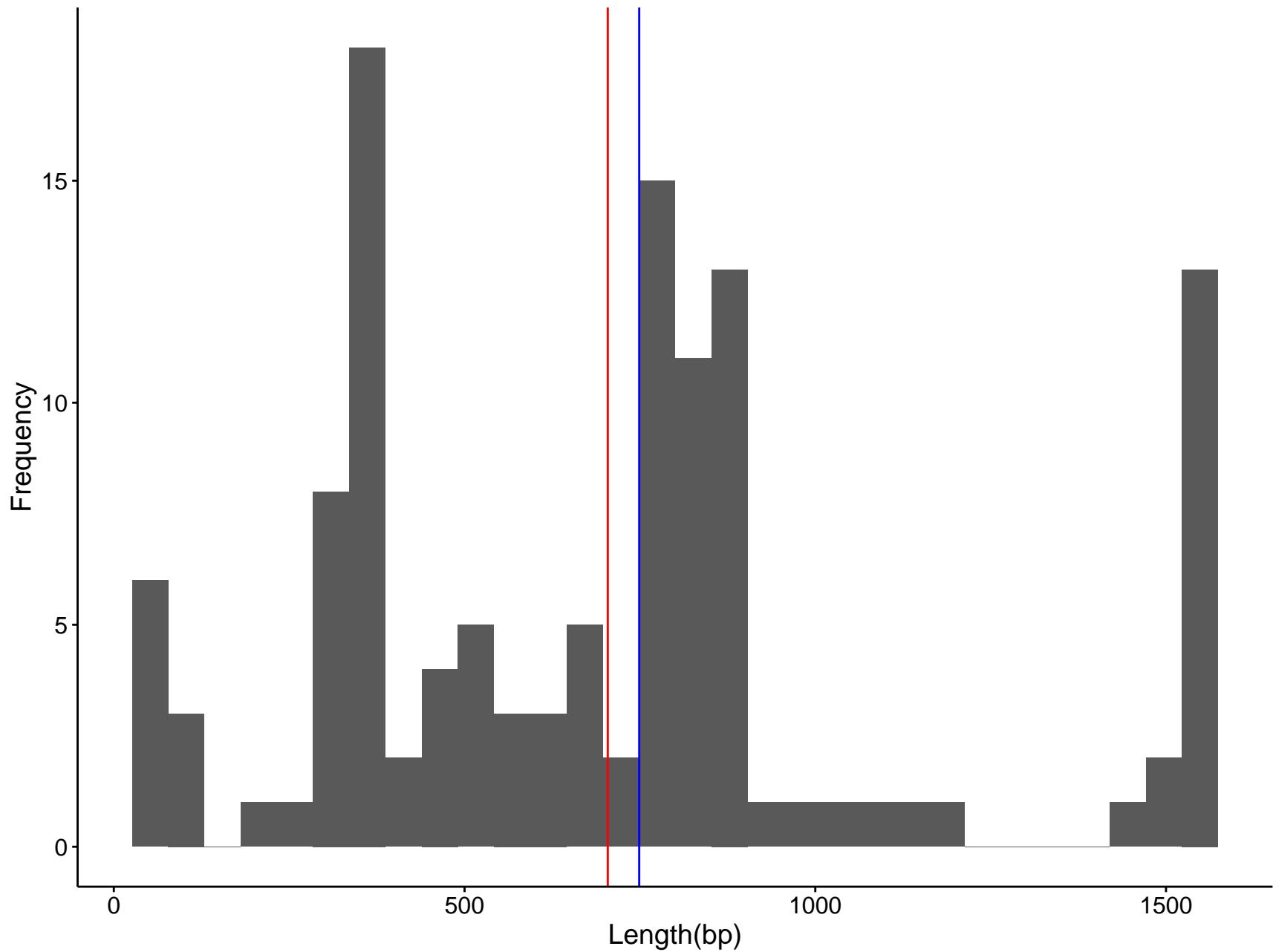
Cluster2126



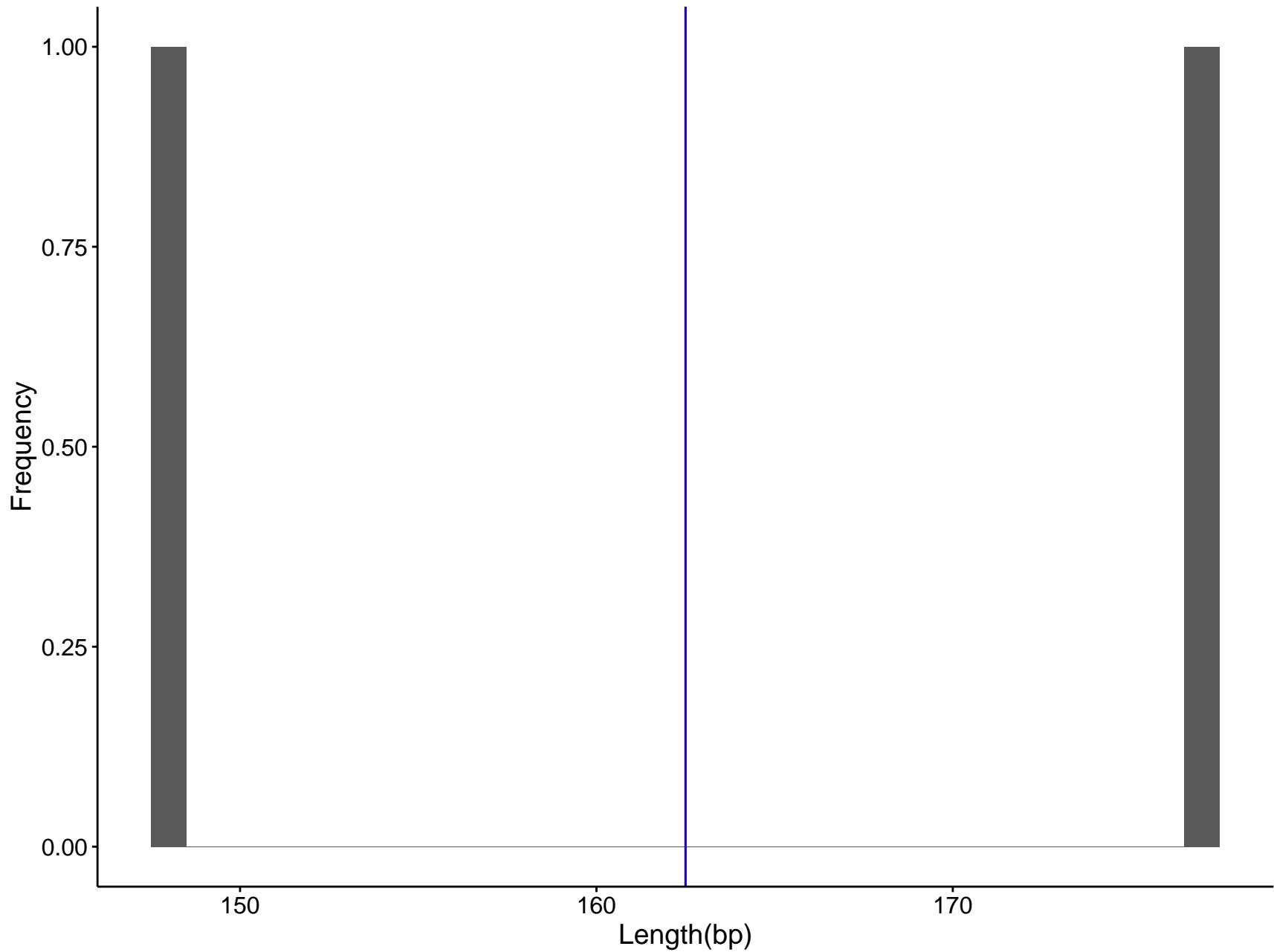
Cluster2127



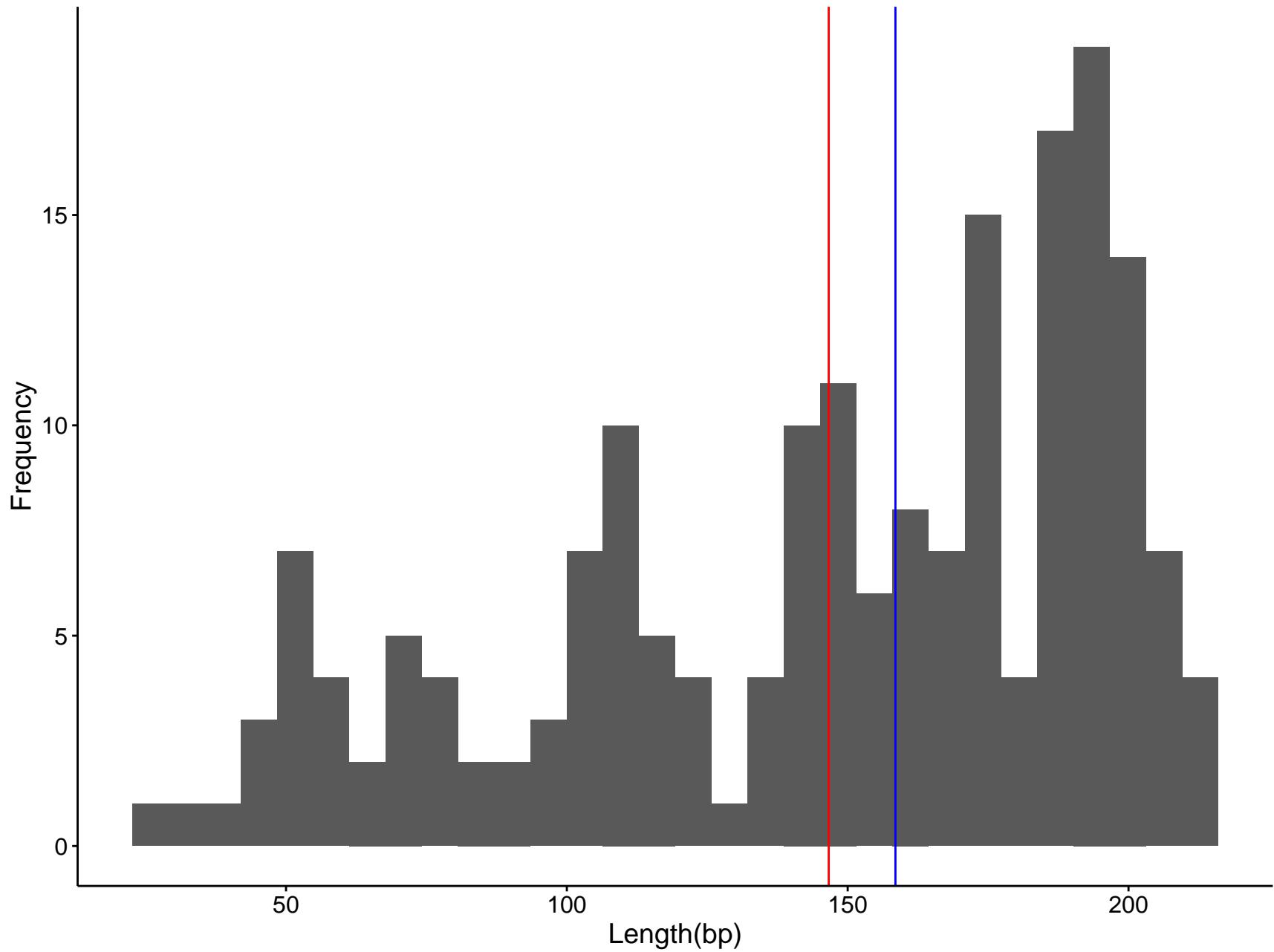
# Cluster2129



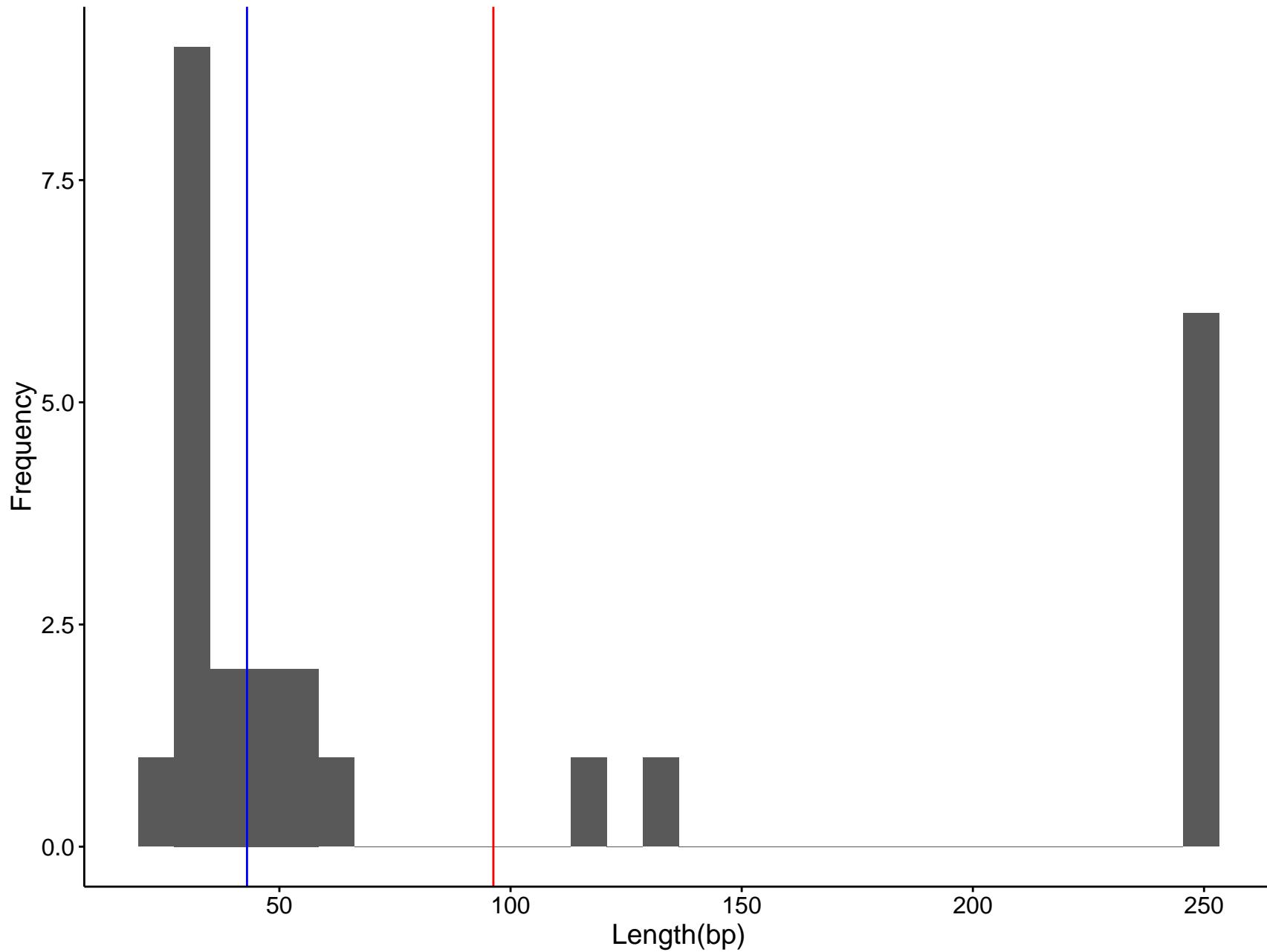
Cluster212



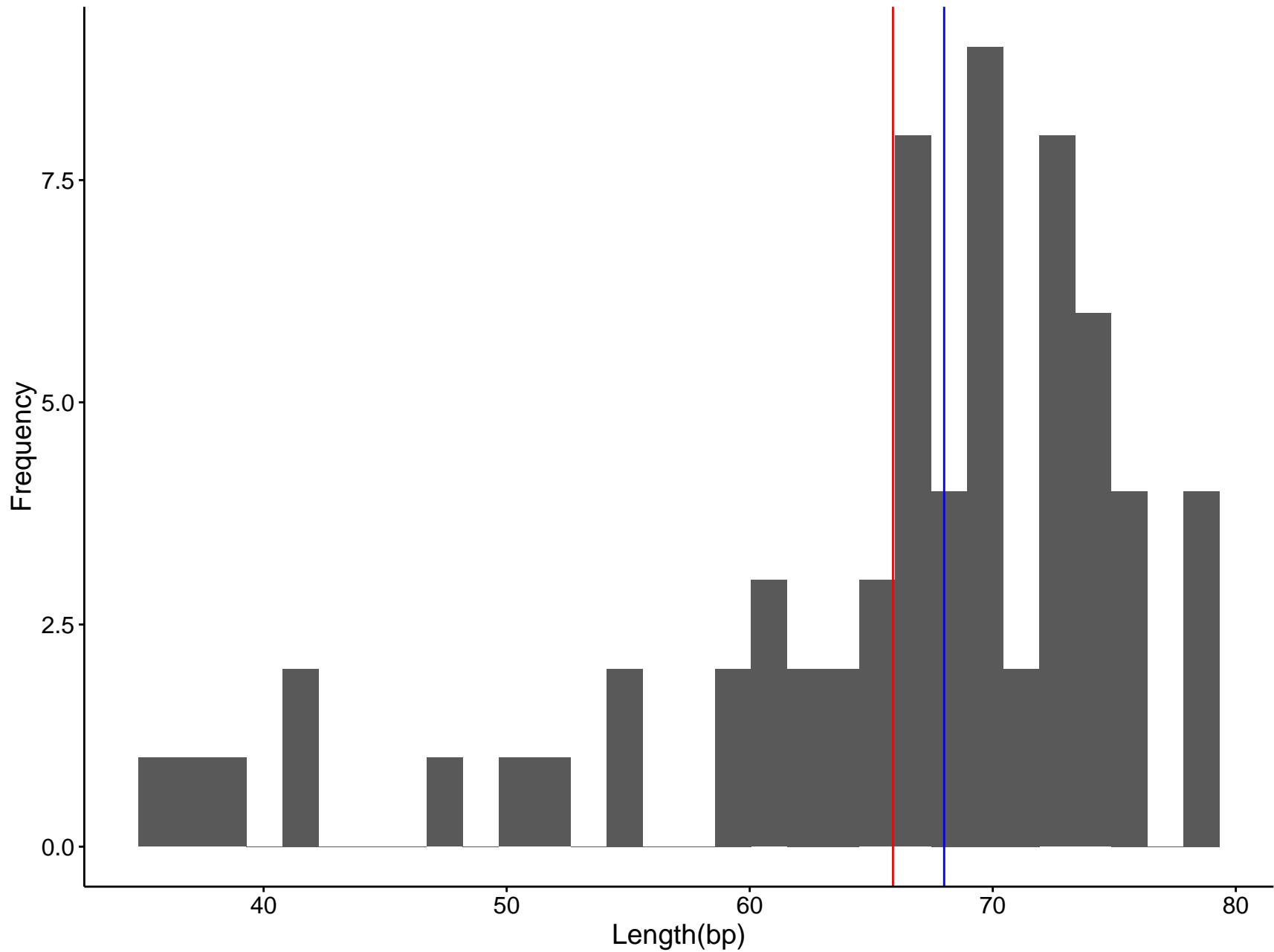
Cluster2130



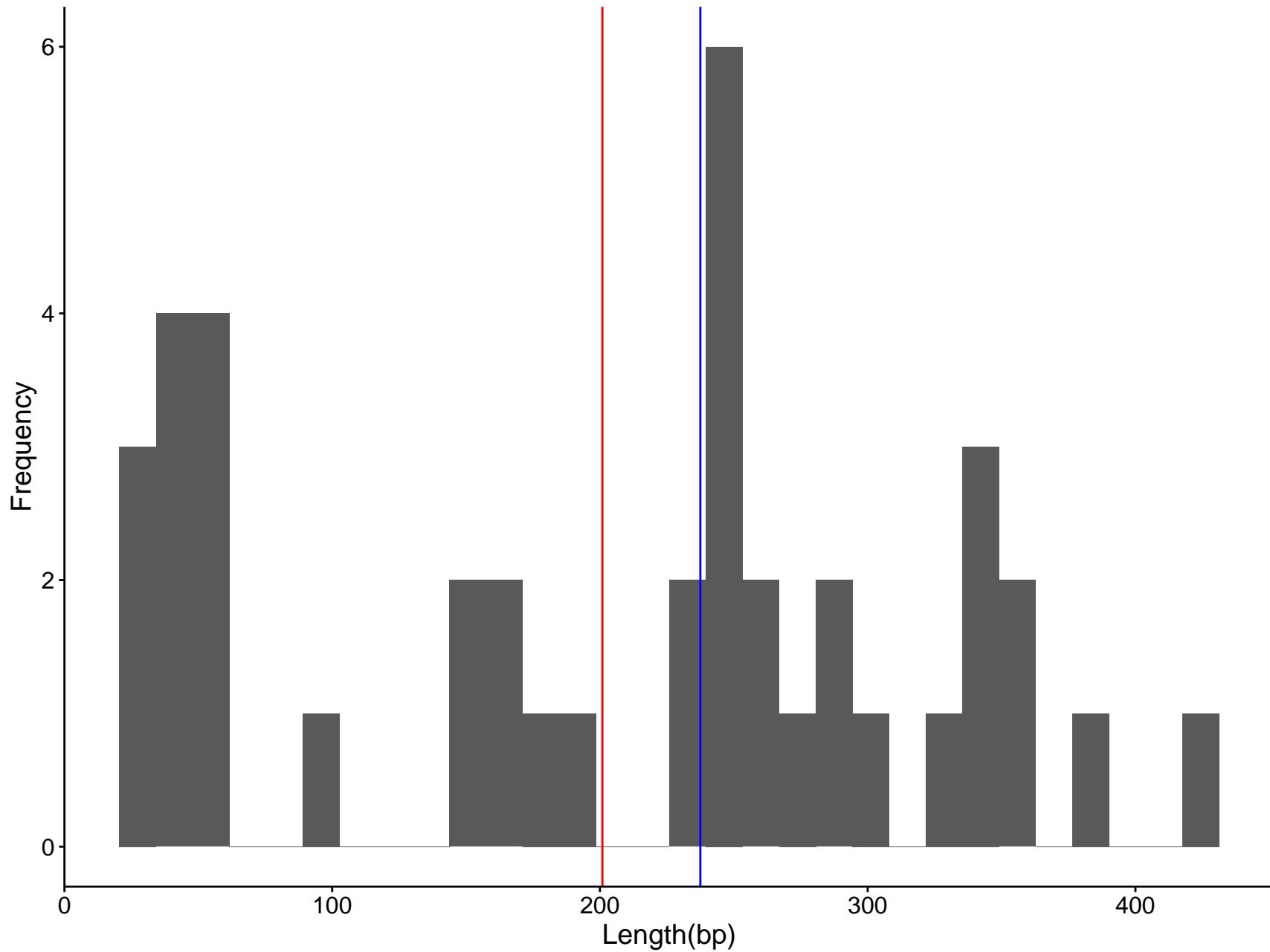
Cluster2132



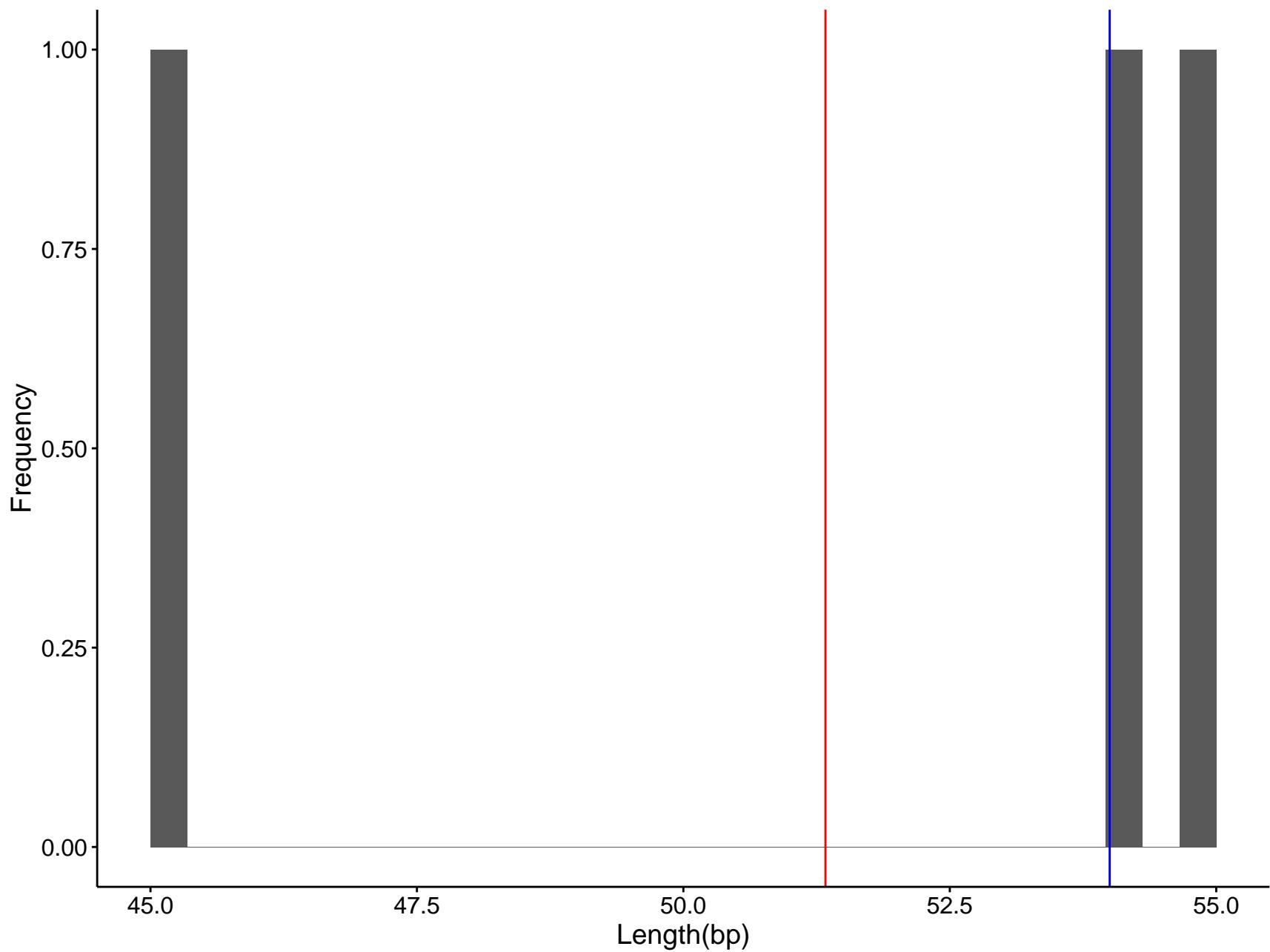
Cluster2133



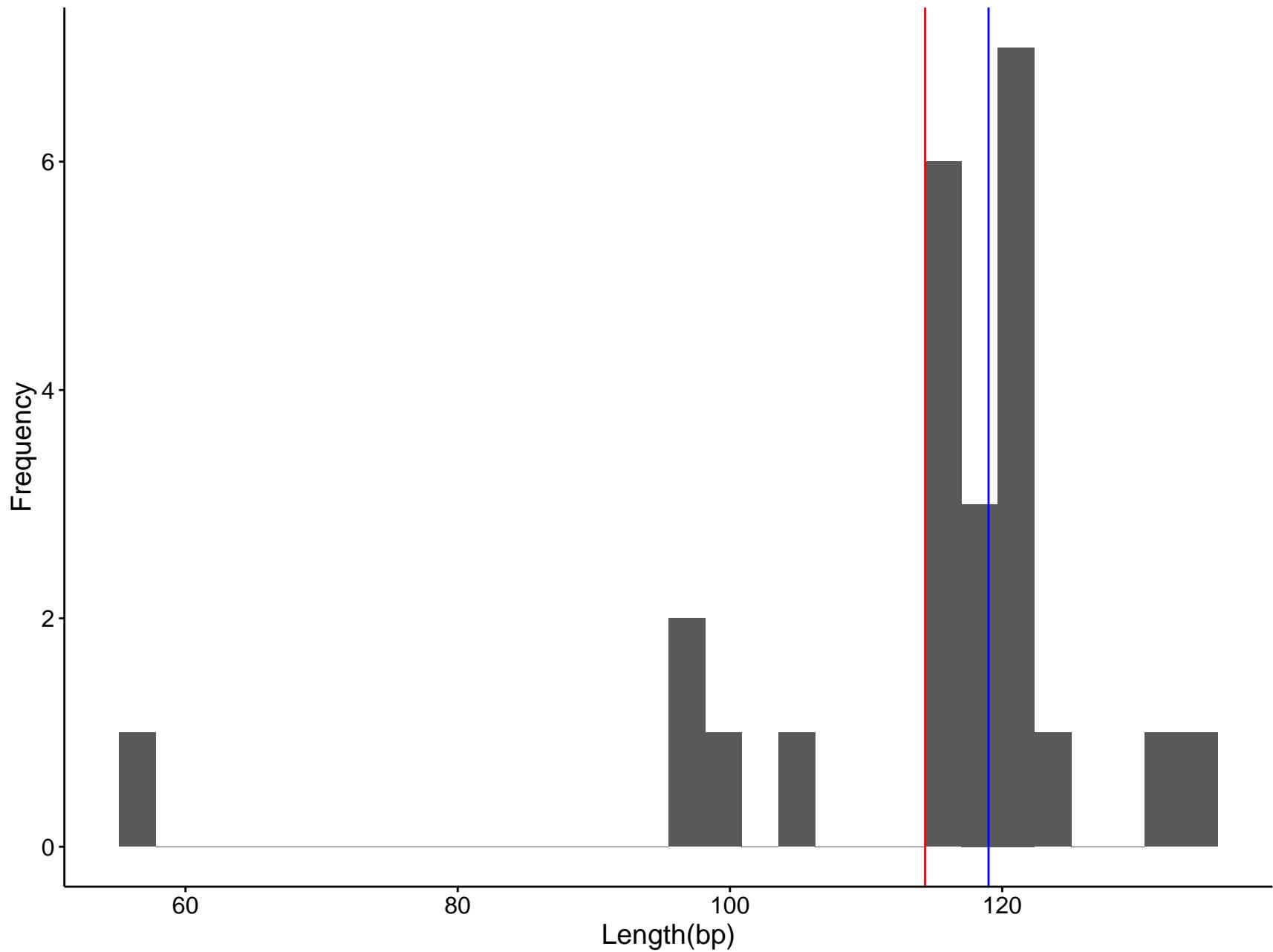
Cluster2134



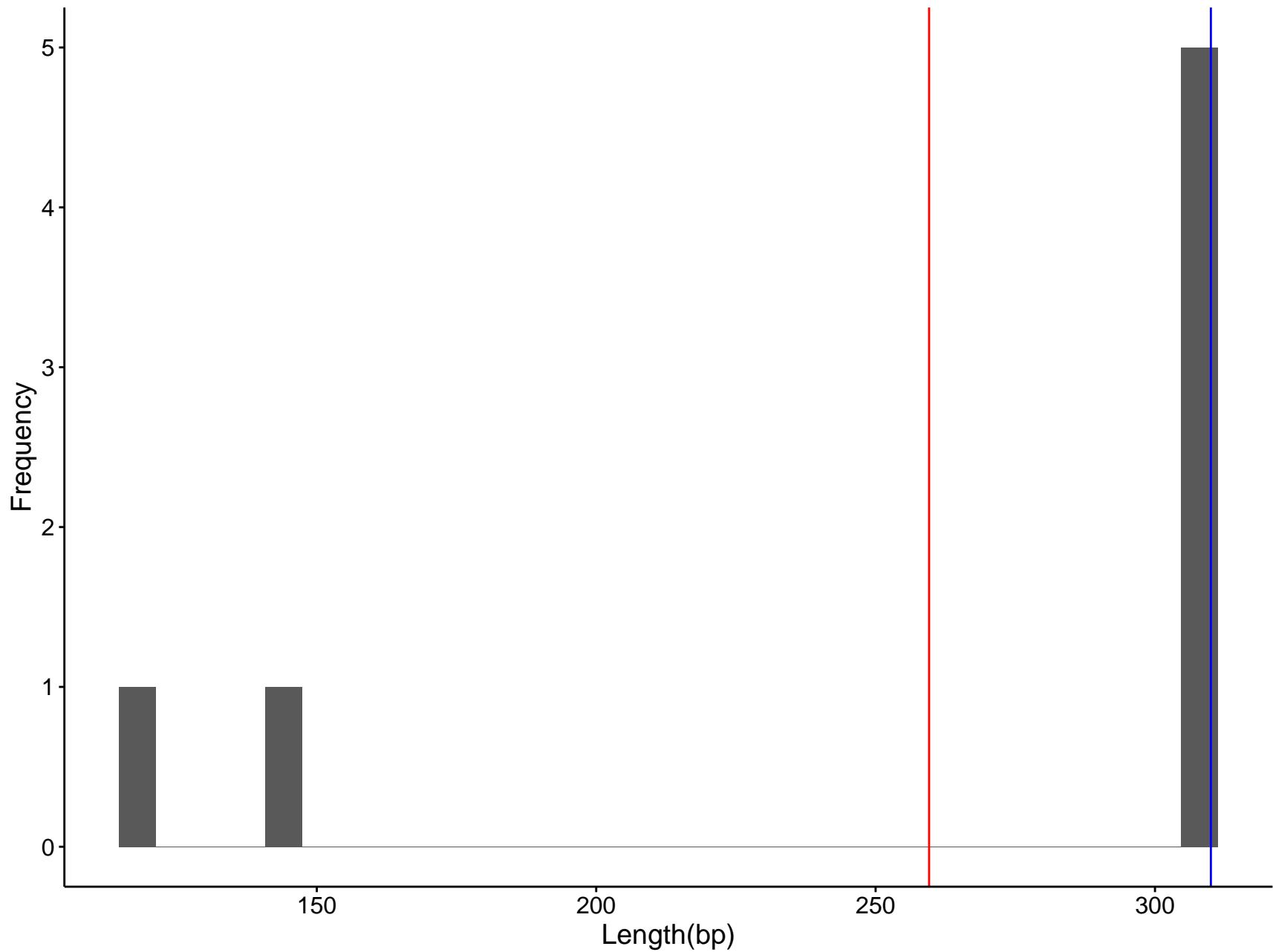
Cluster2135



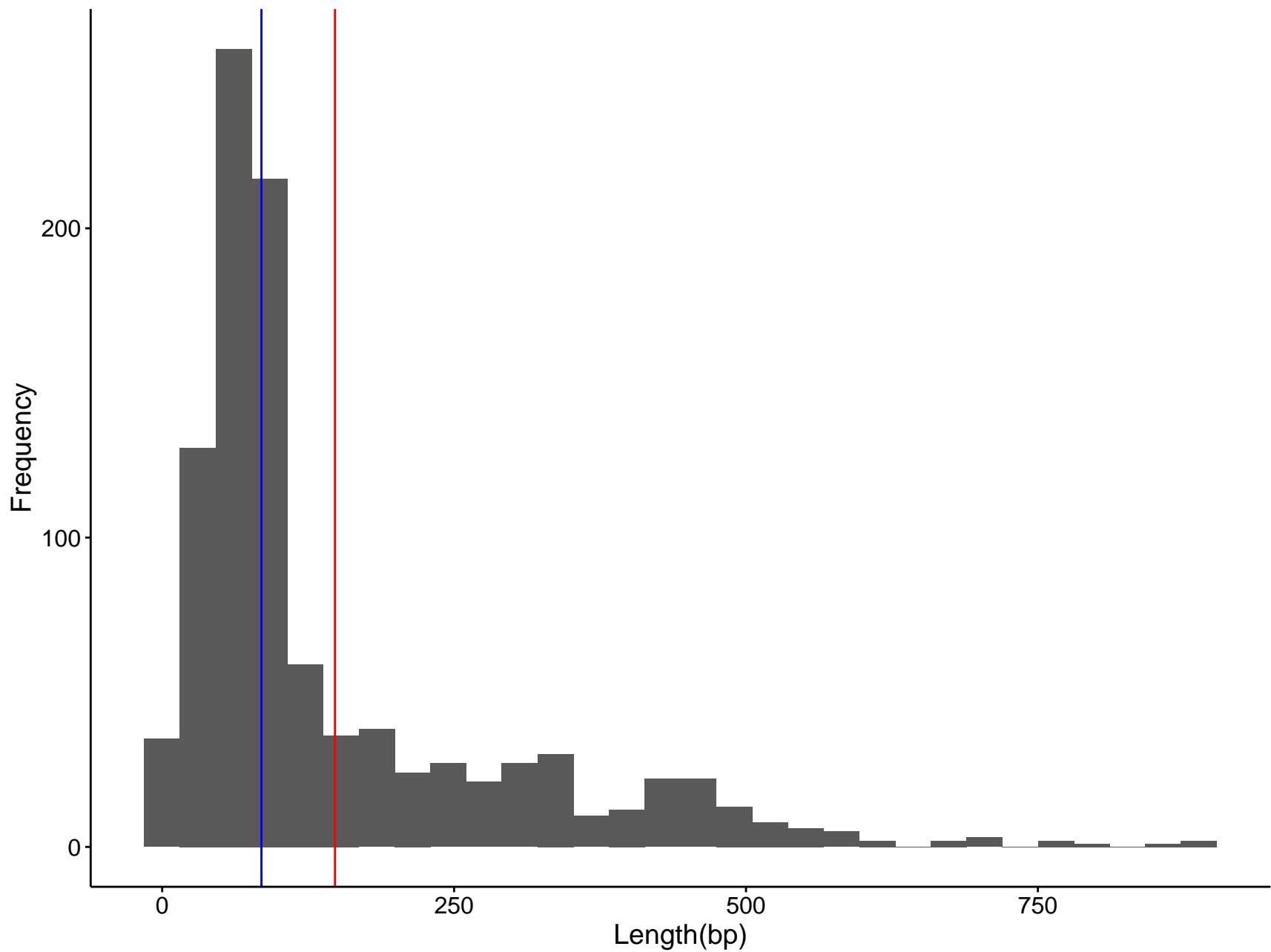
Cluster2139



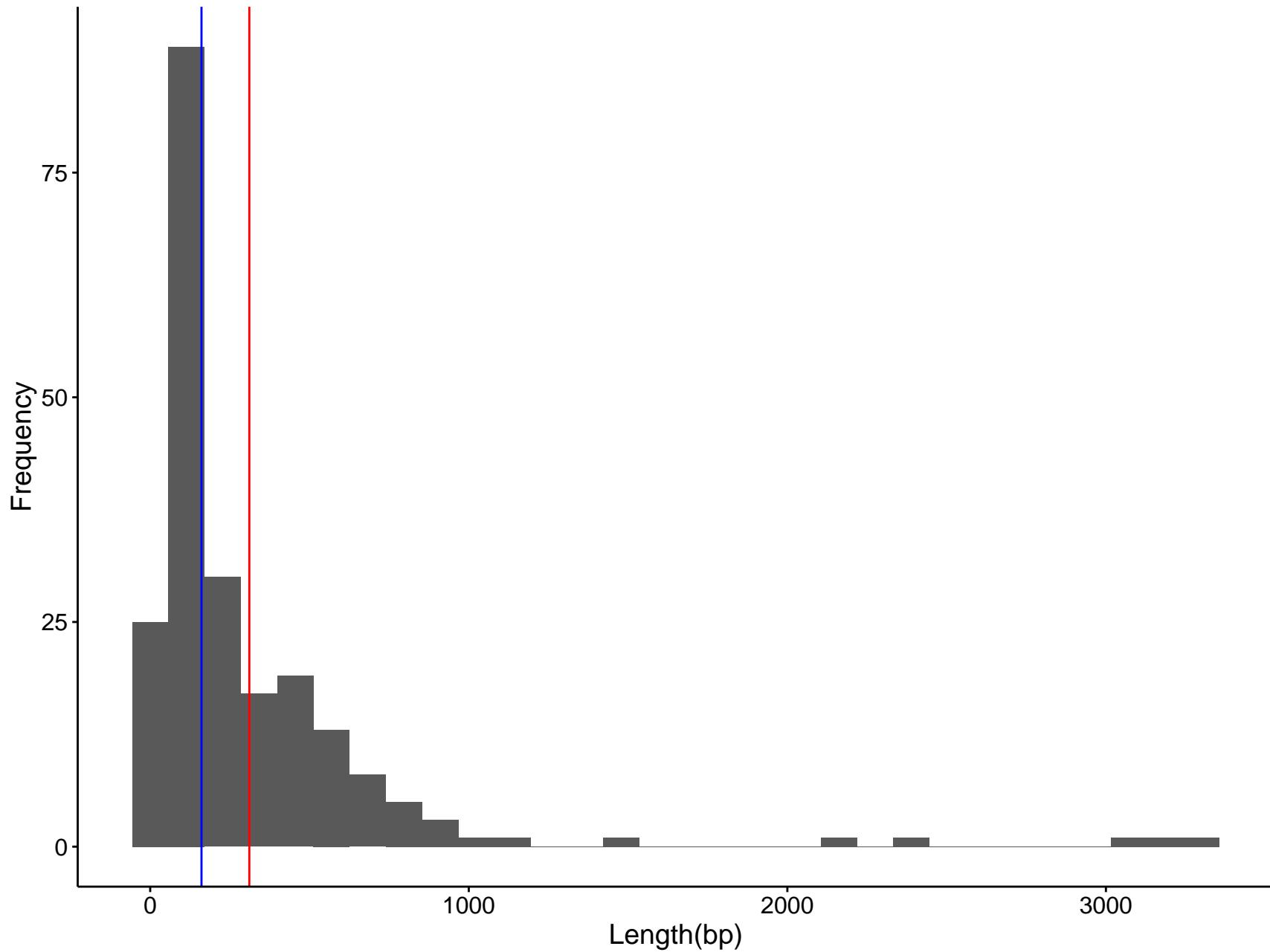
Cluster2141



Cluster2142



Cluster2143



Cluster2144

Frequency

44.950

44.975

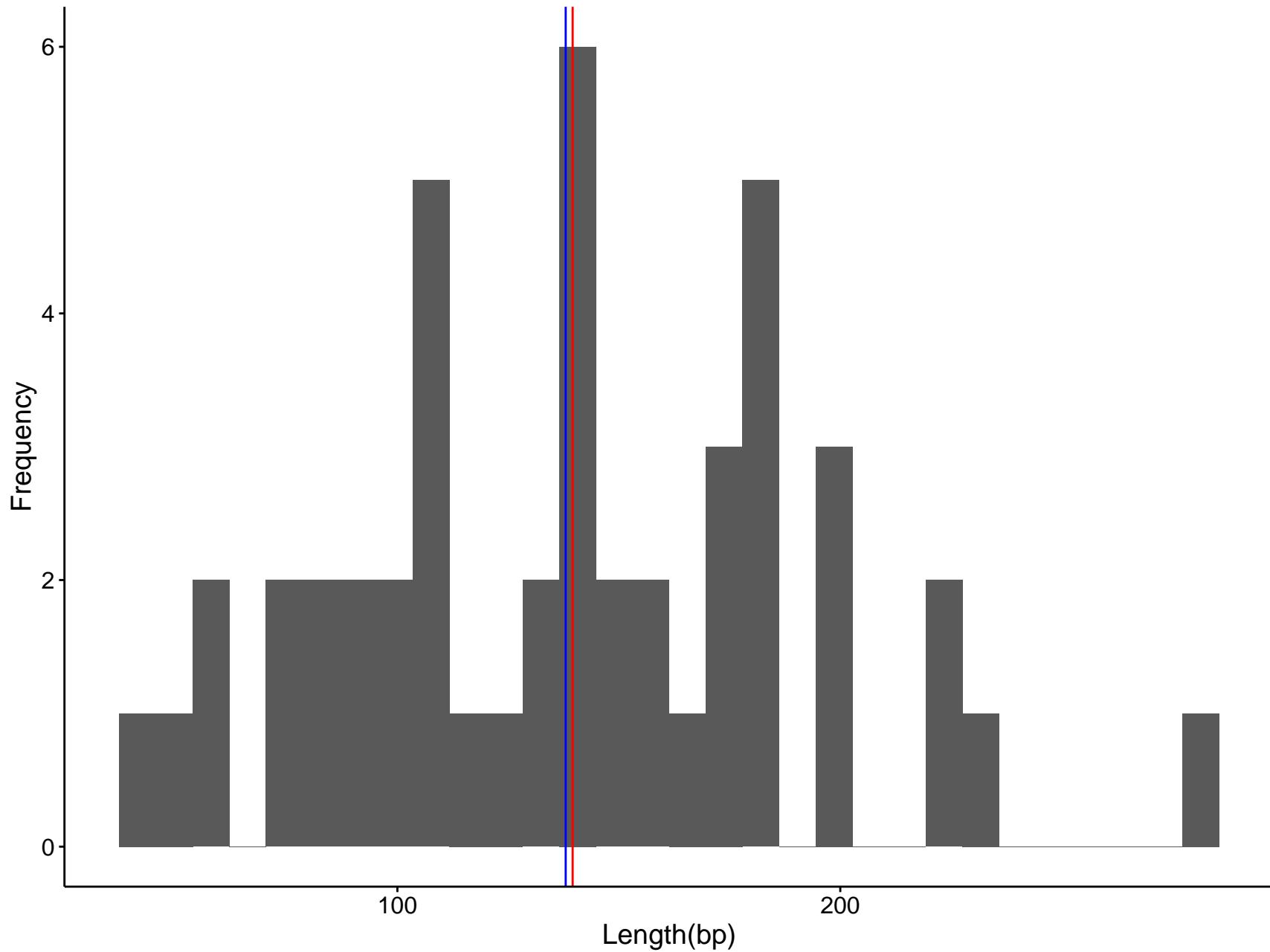
45.000

45.025

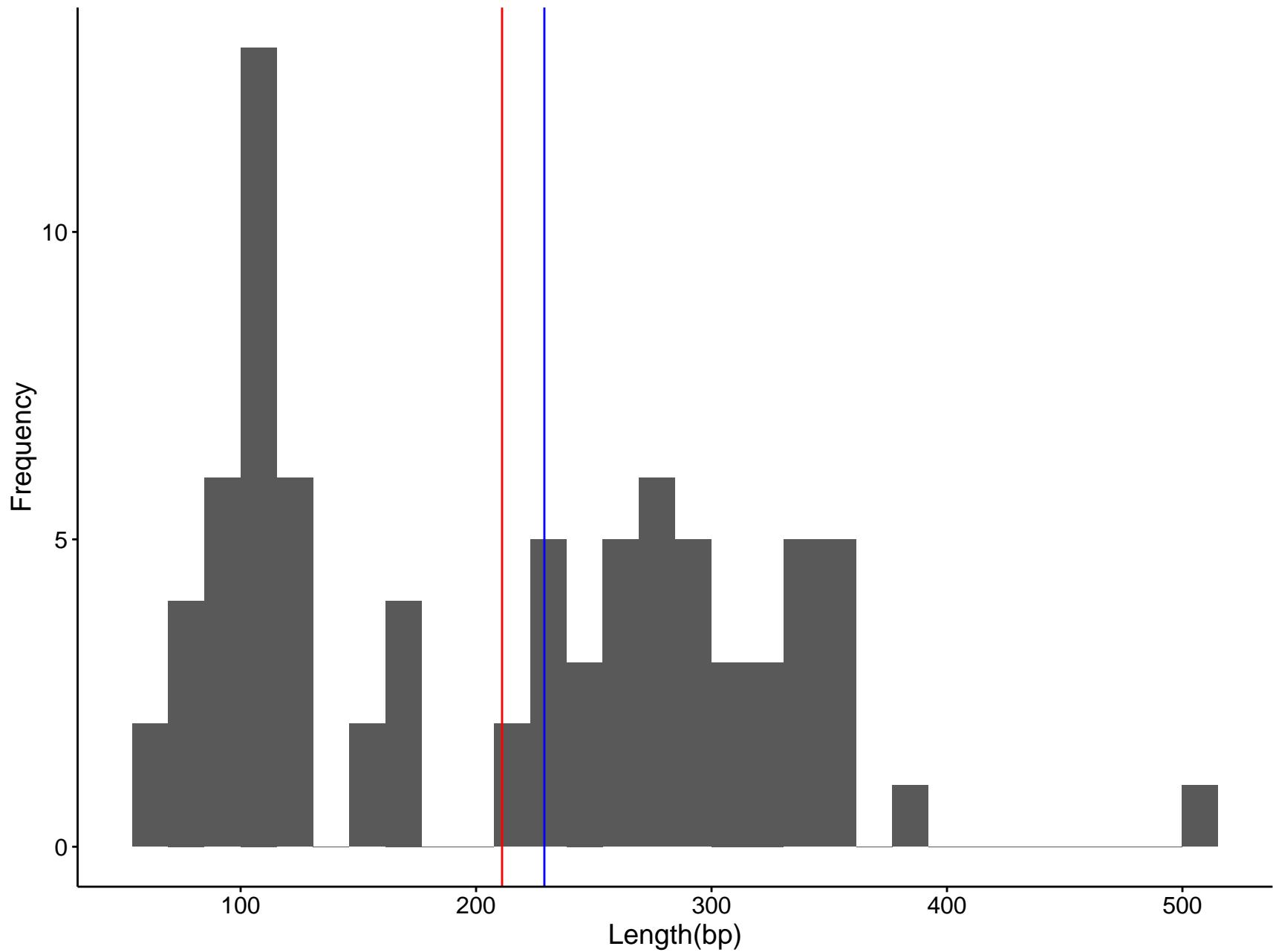
Length(bp)



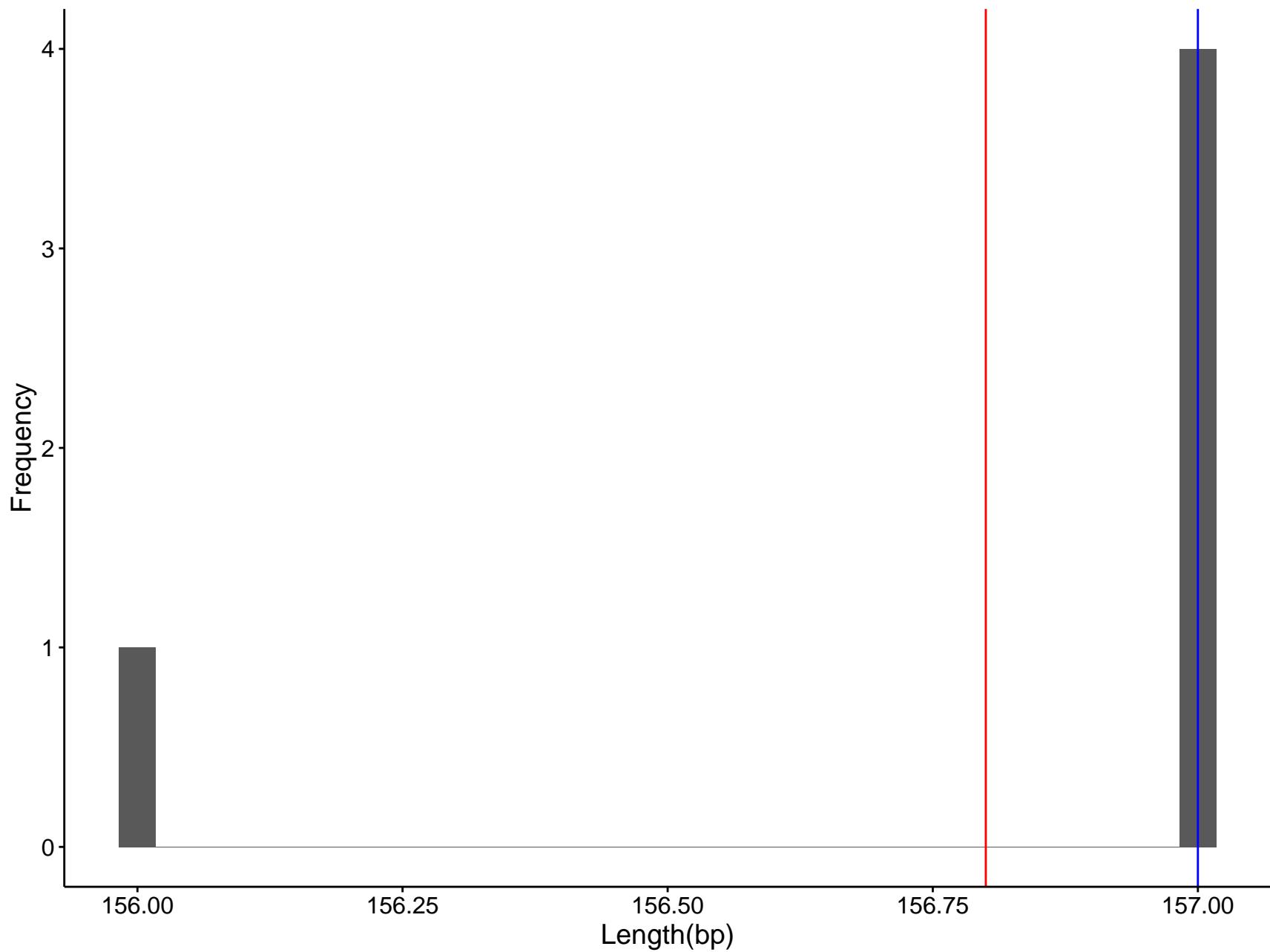
Cluster2145



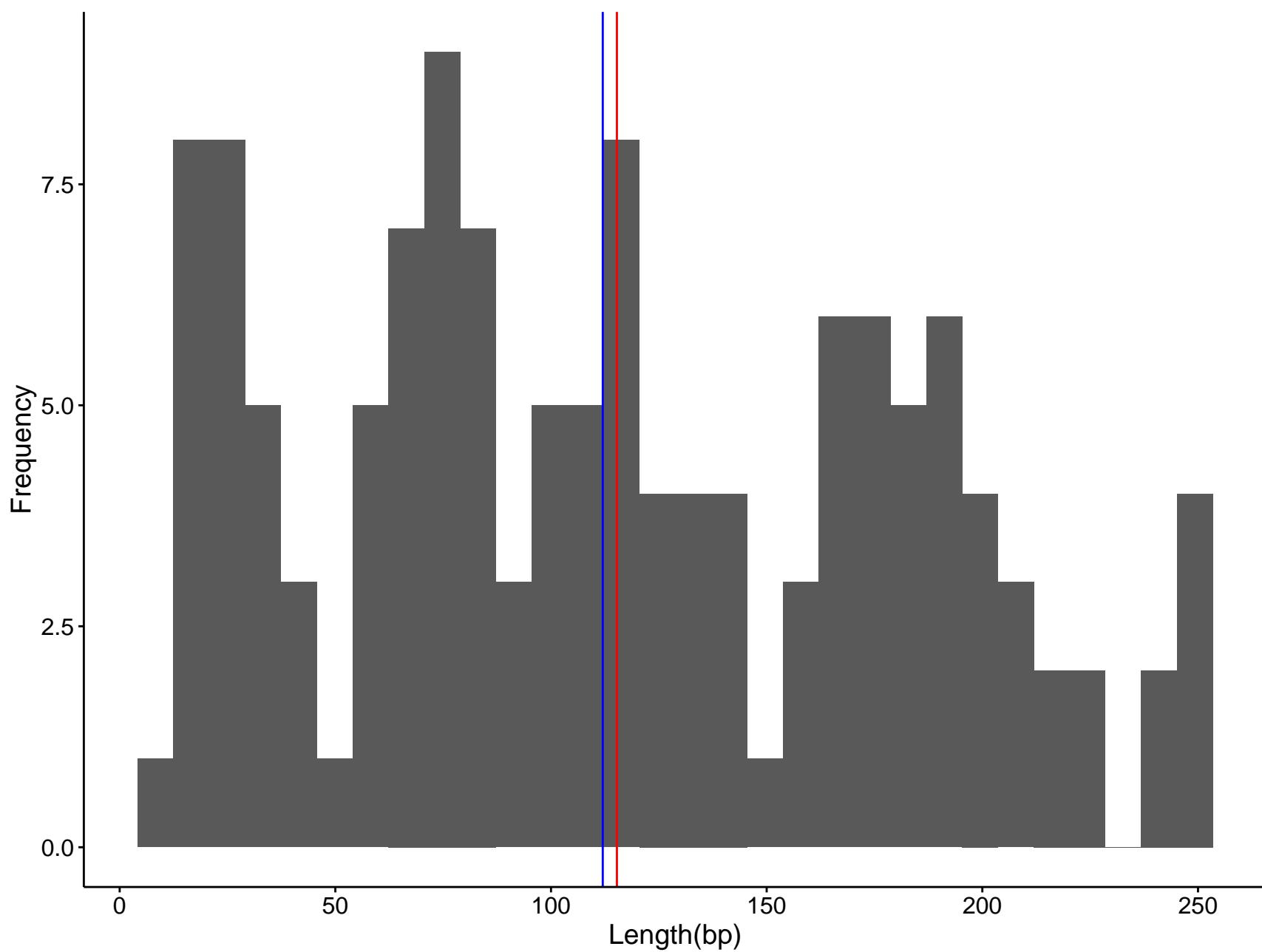
Cluster2147



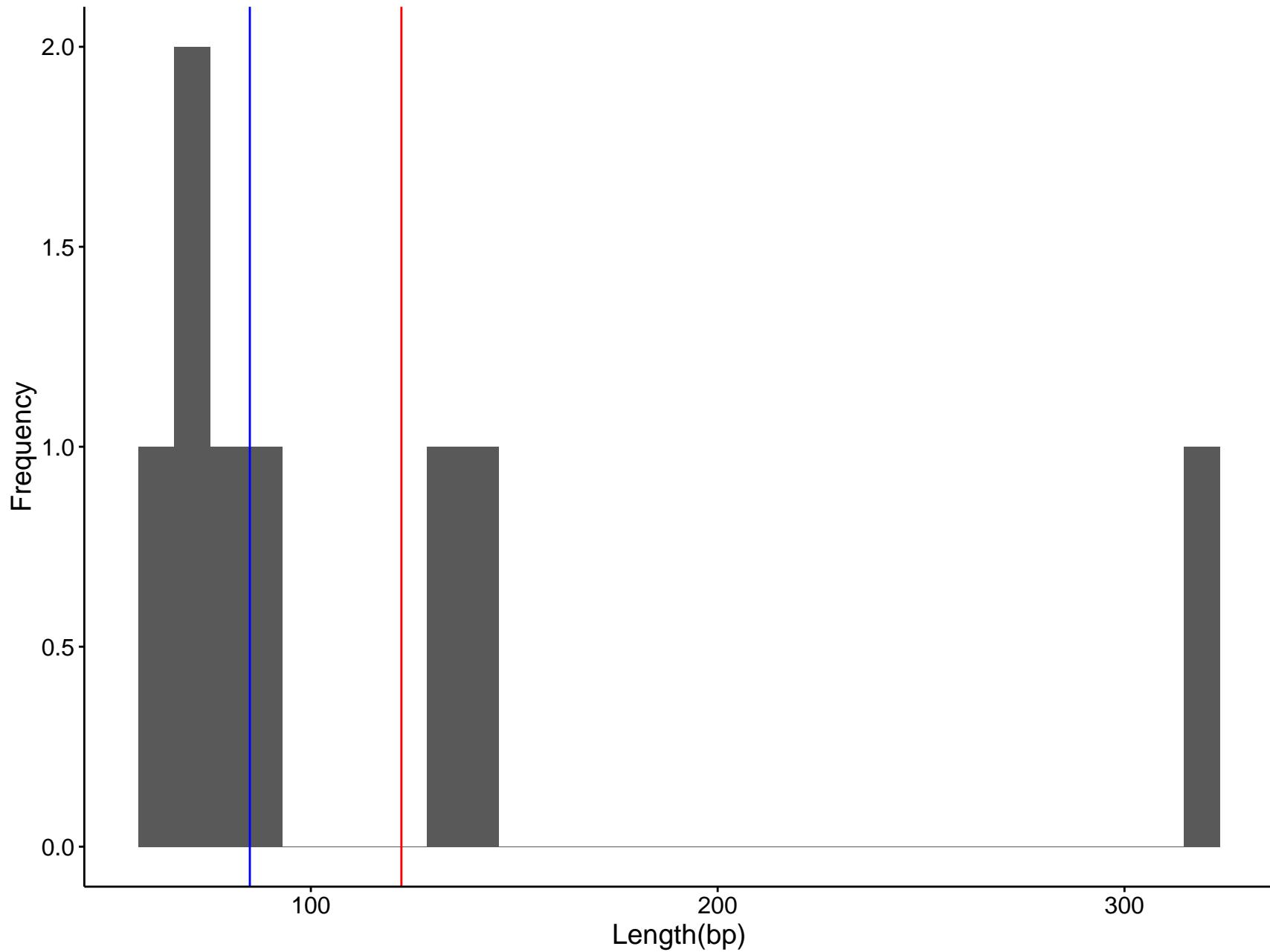
Cluster2148



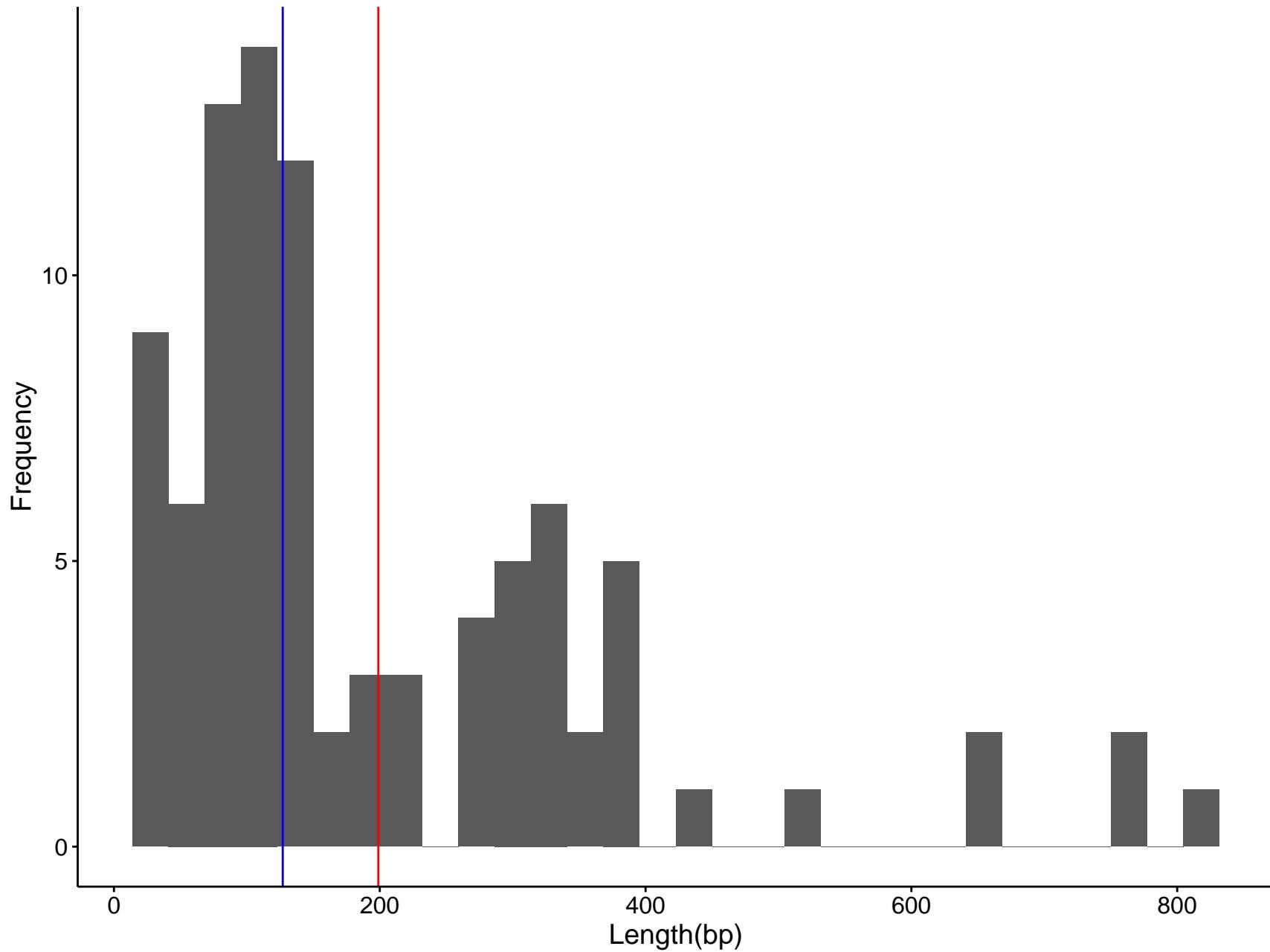
Cluster2149



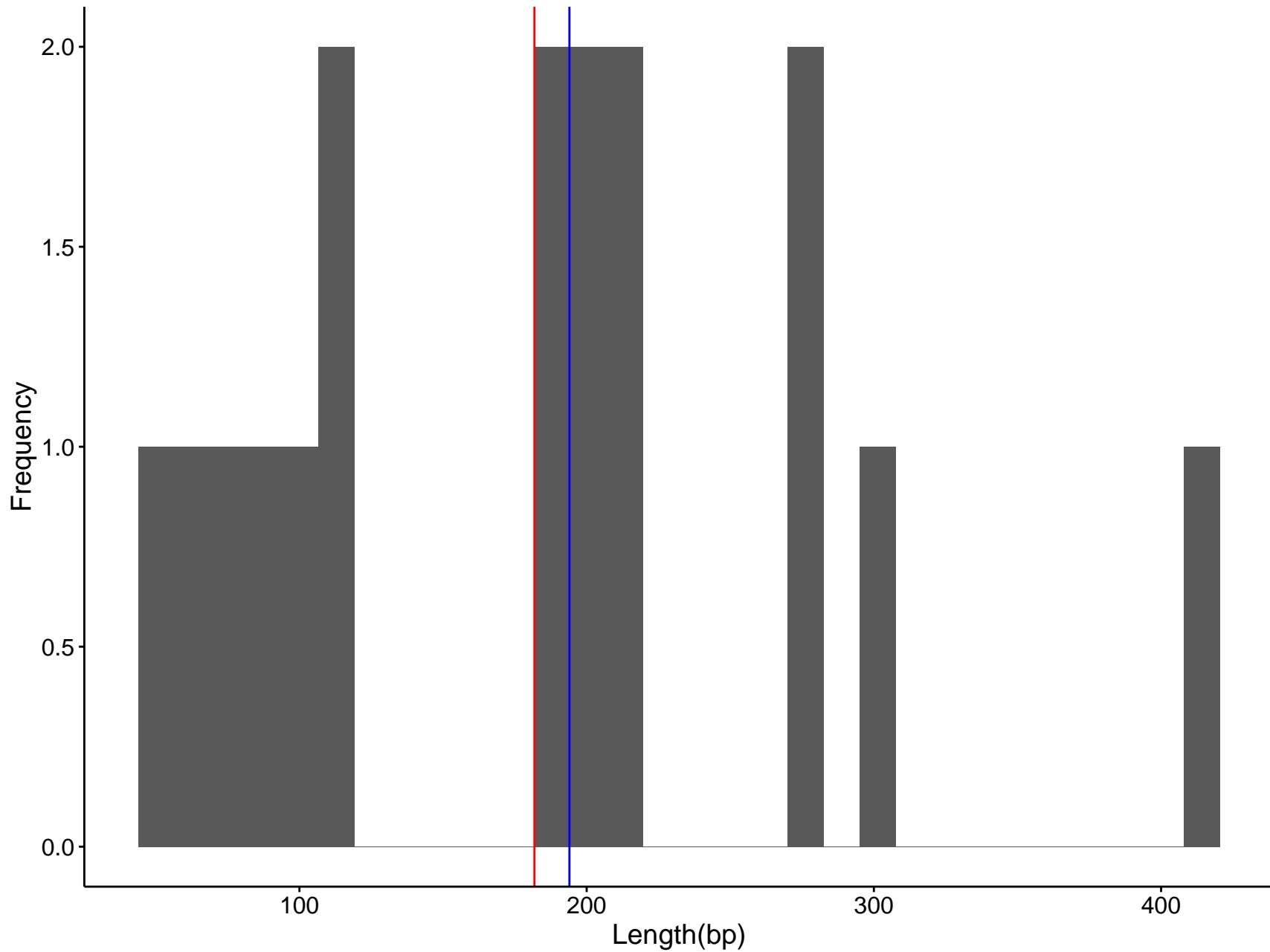
Cluster214



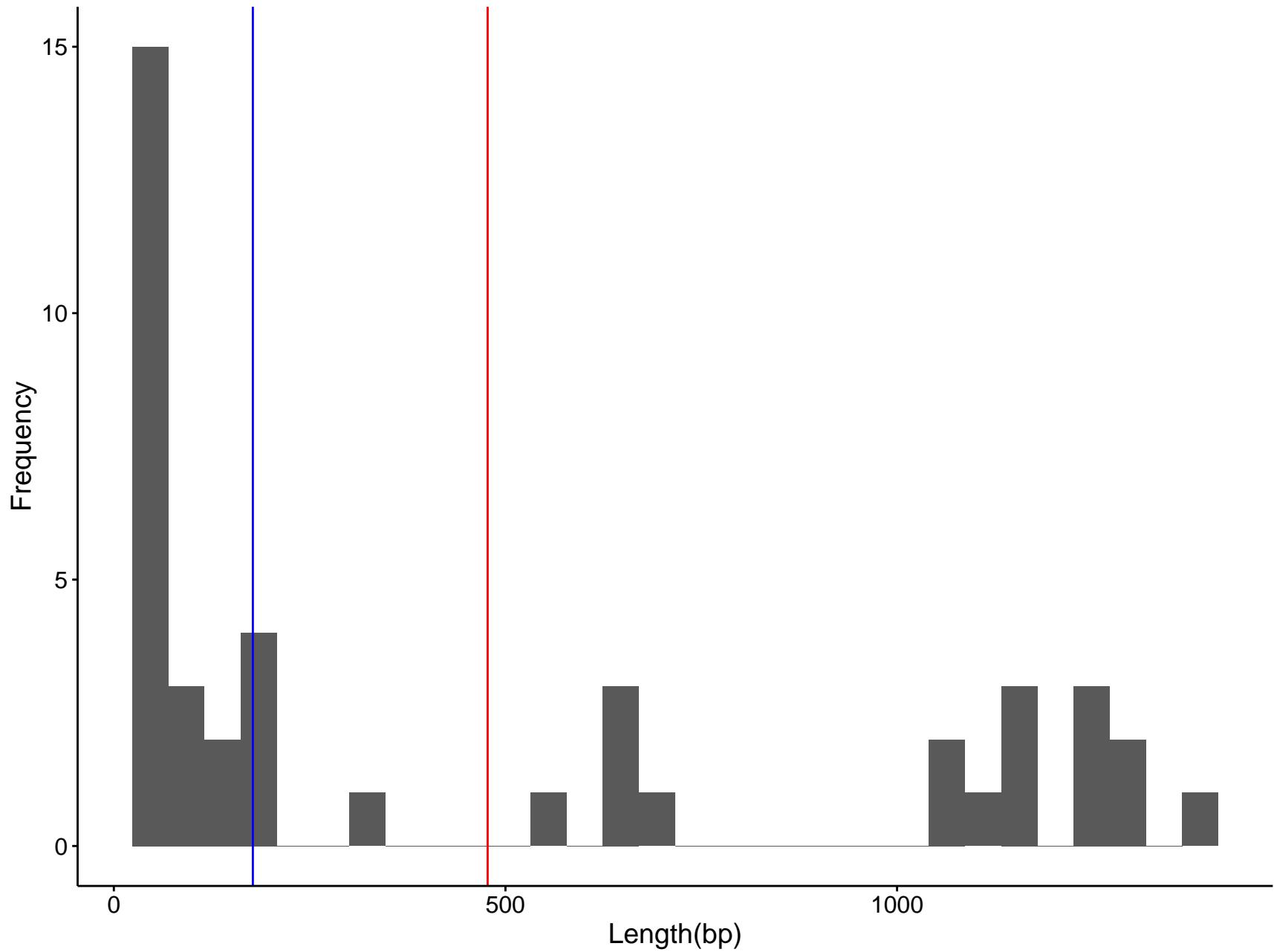
Cluster2150



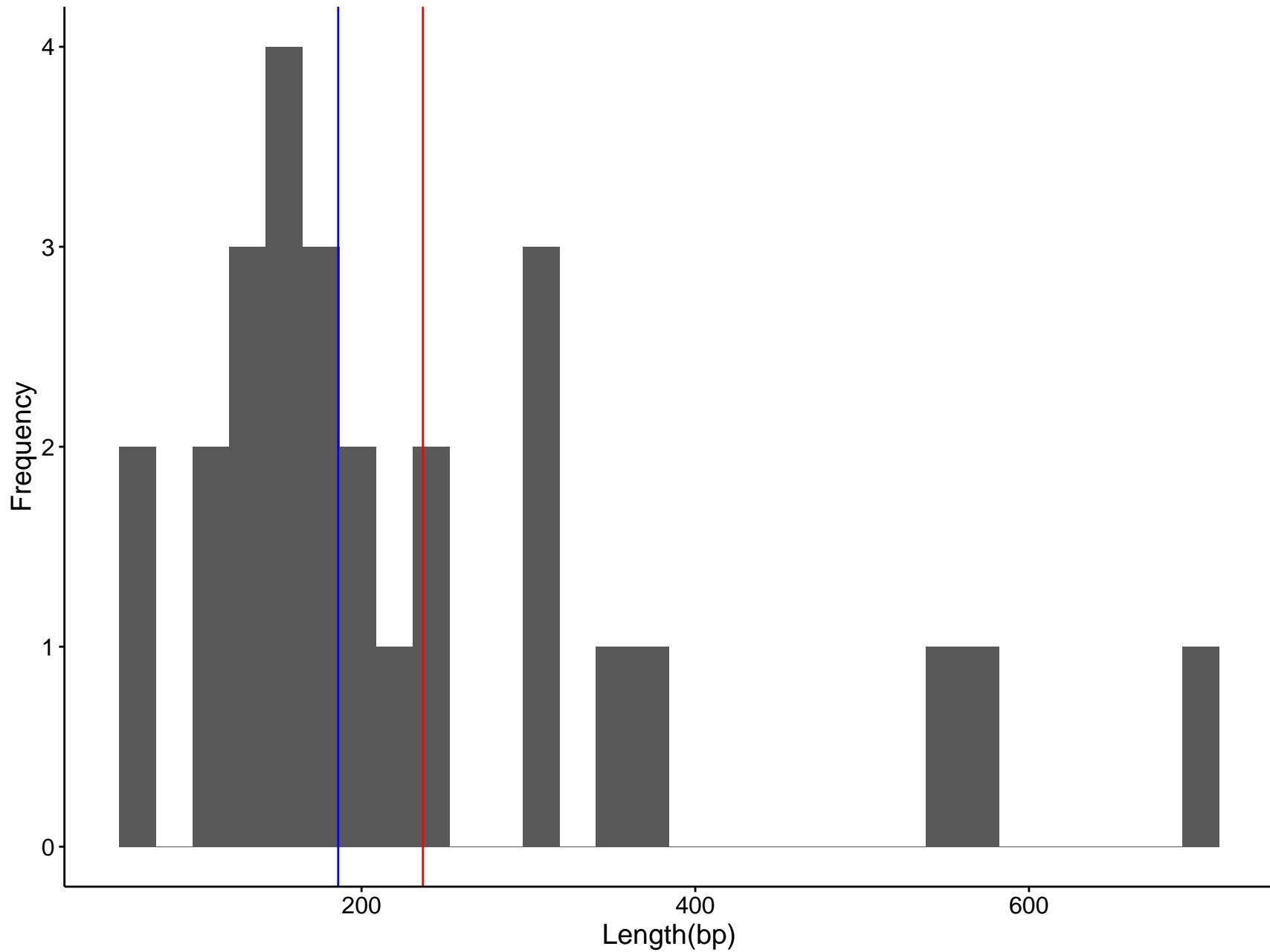
Cluster2151



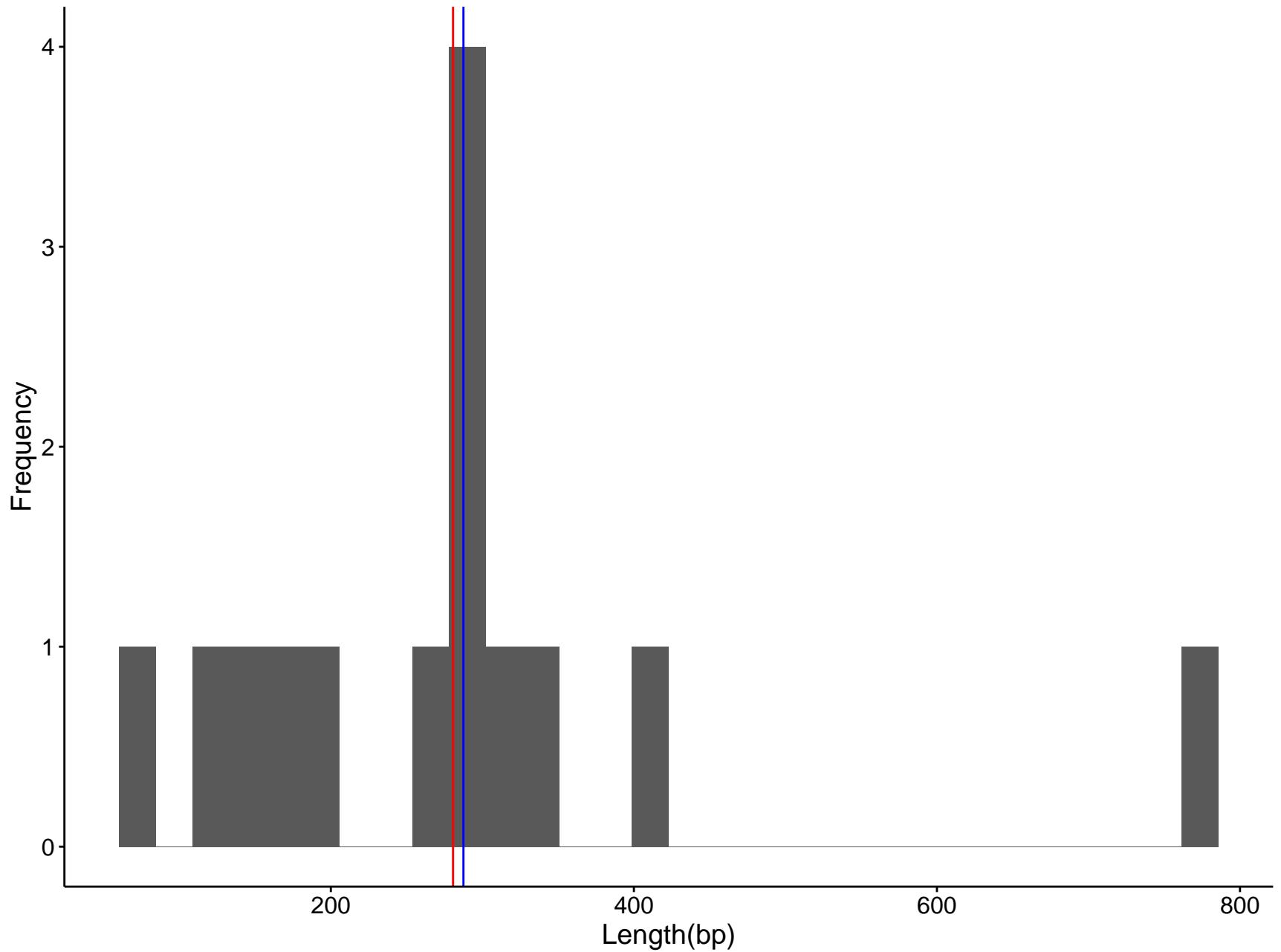
Cluster2152



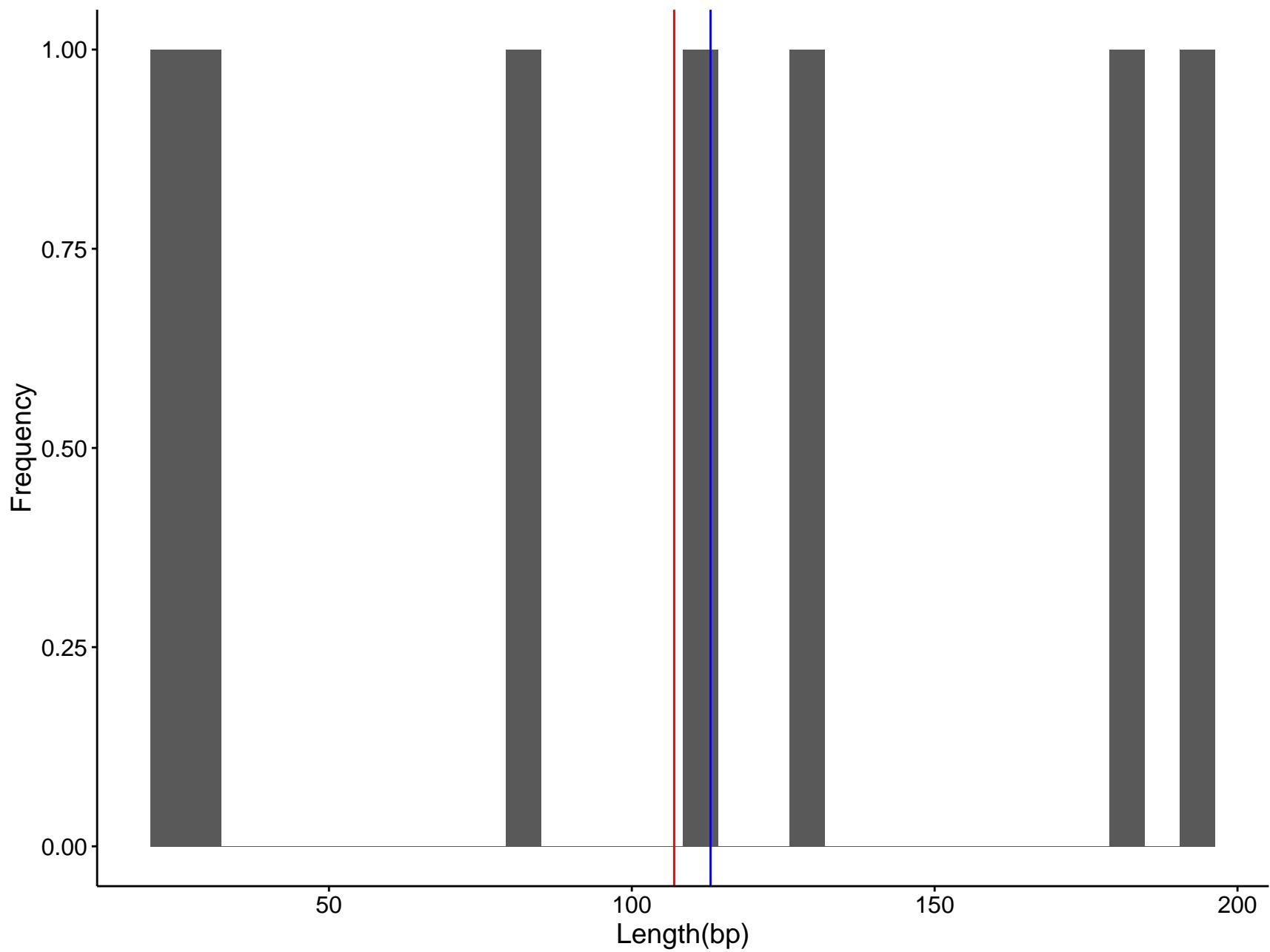
Cluster2153



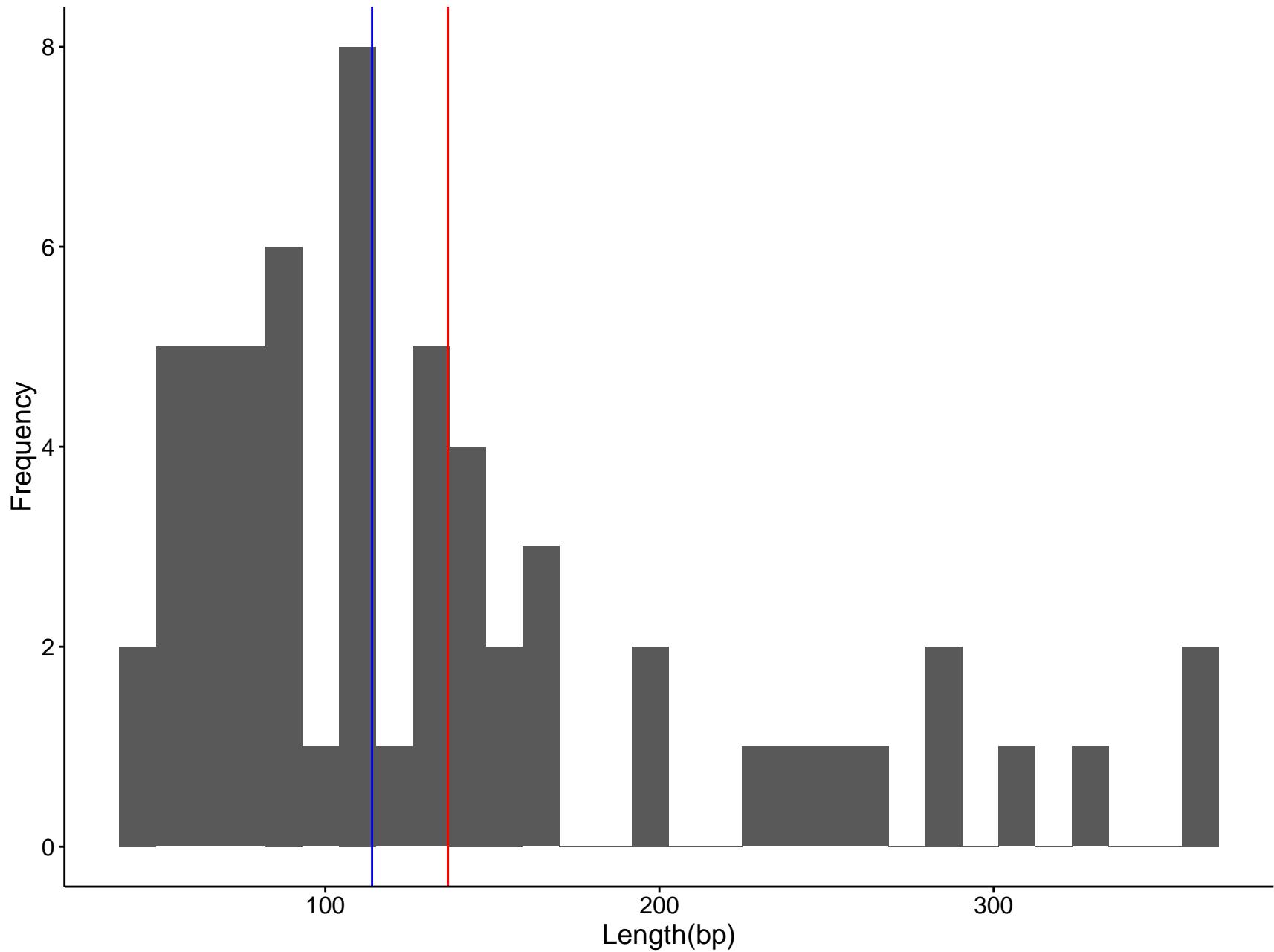
Cluster2156



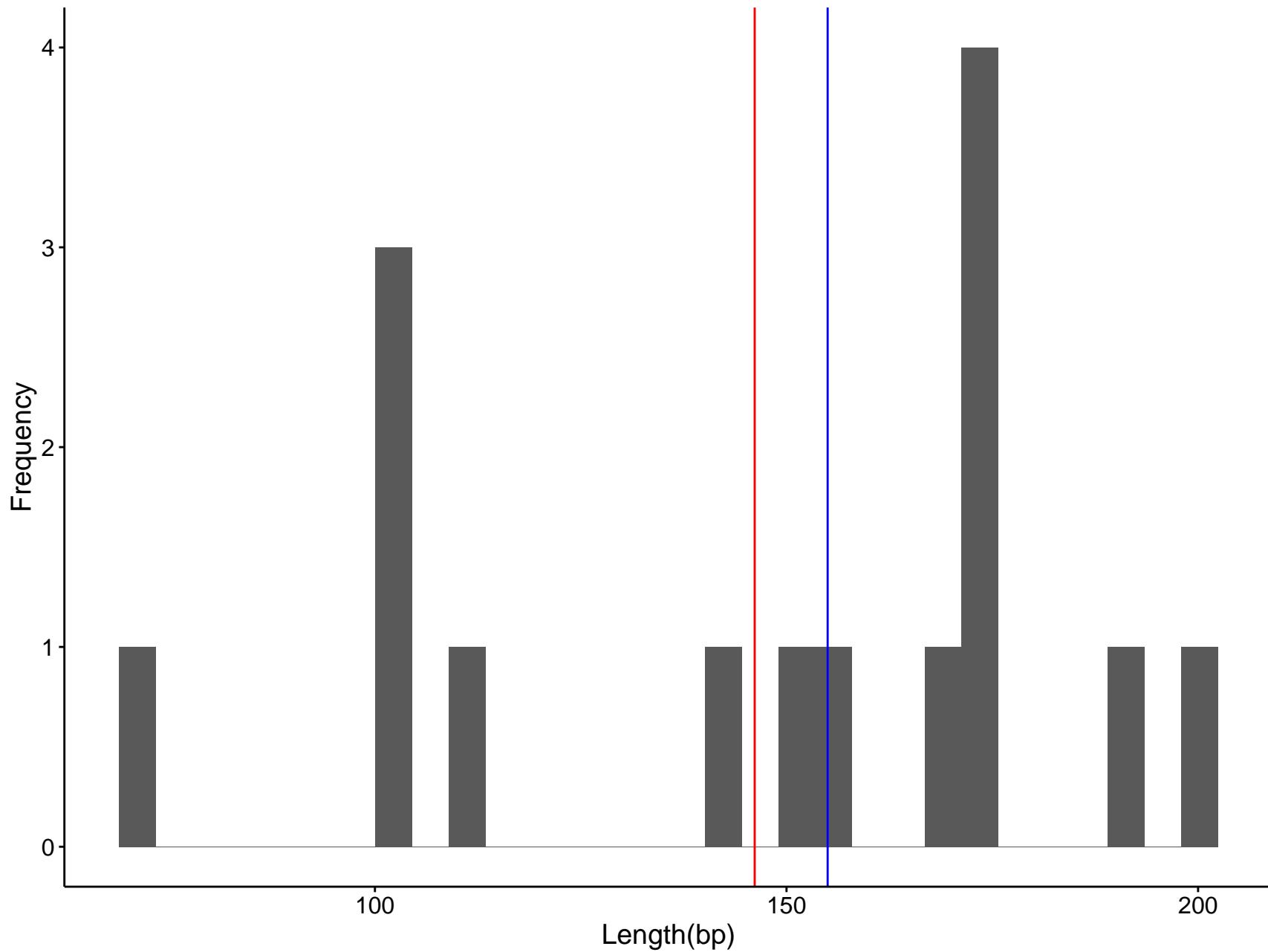
Cluster2157



Cluster2158



Cluster2159



# Cluster215

Frequency

395.950

395.975

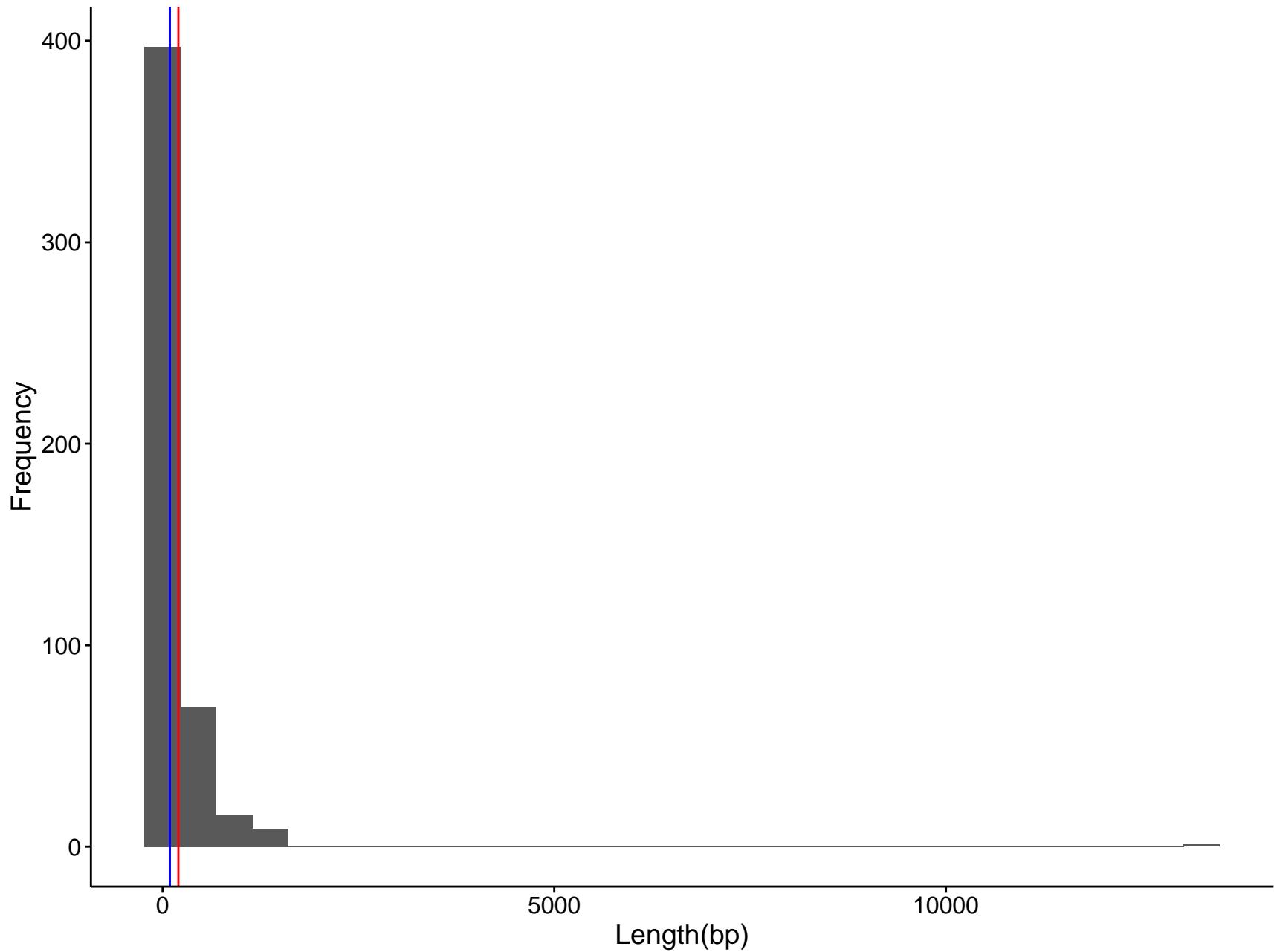
396.000

396.025

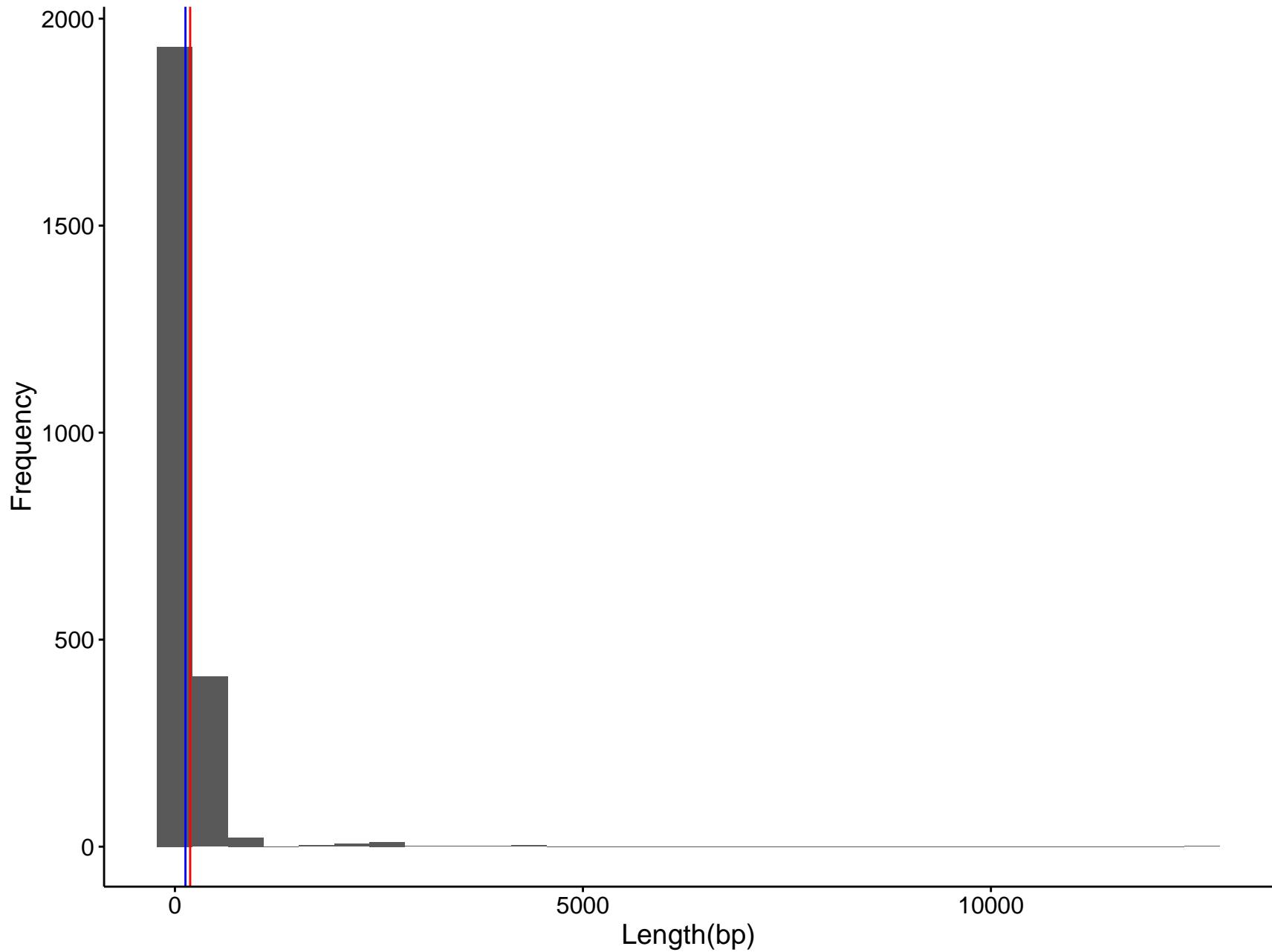
Length(bp)



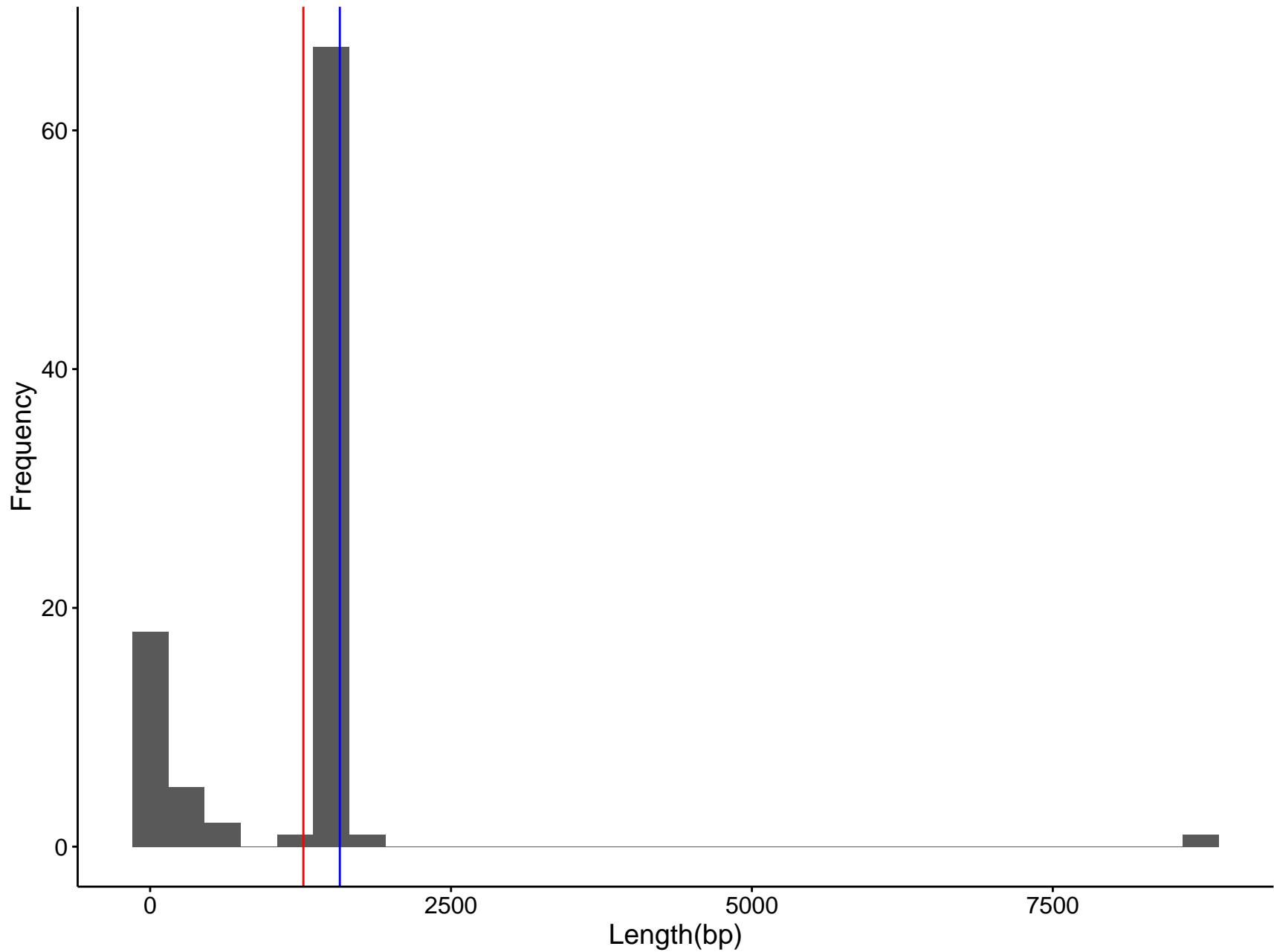
Cluster2160



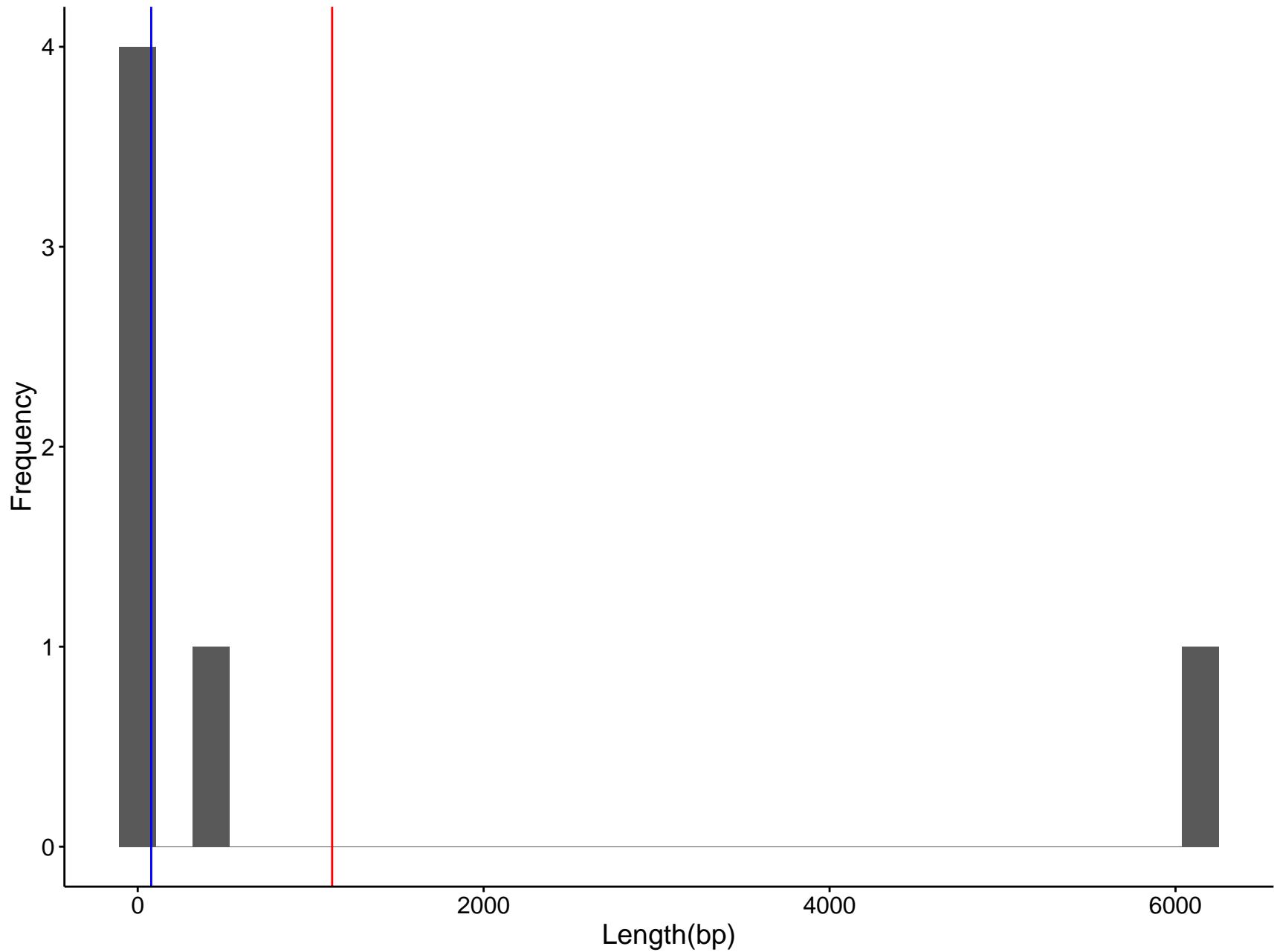
Cluster2161



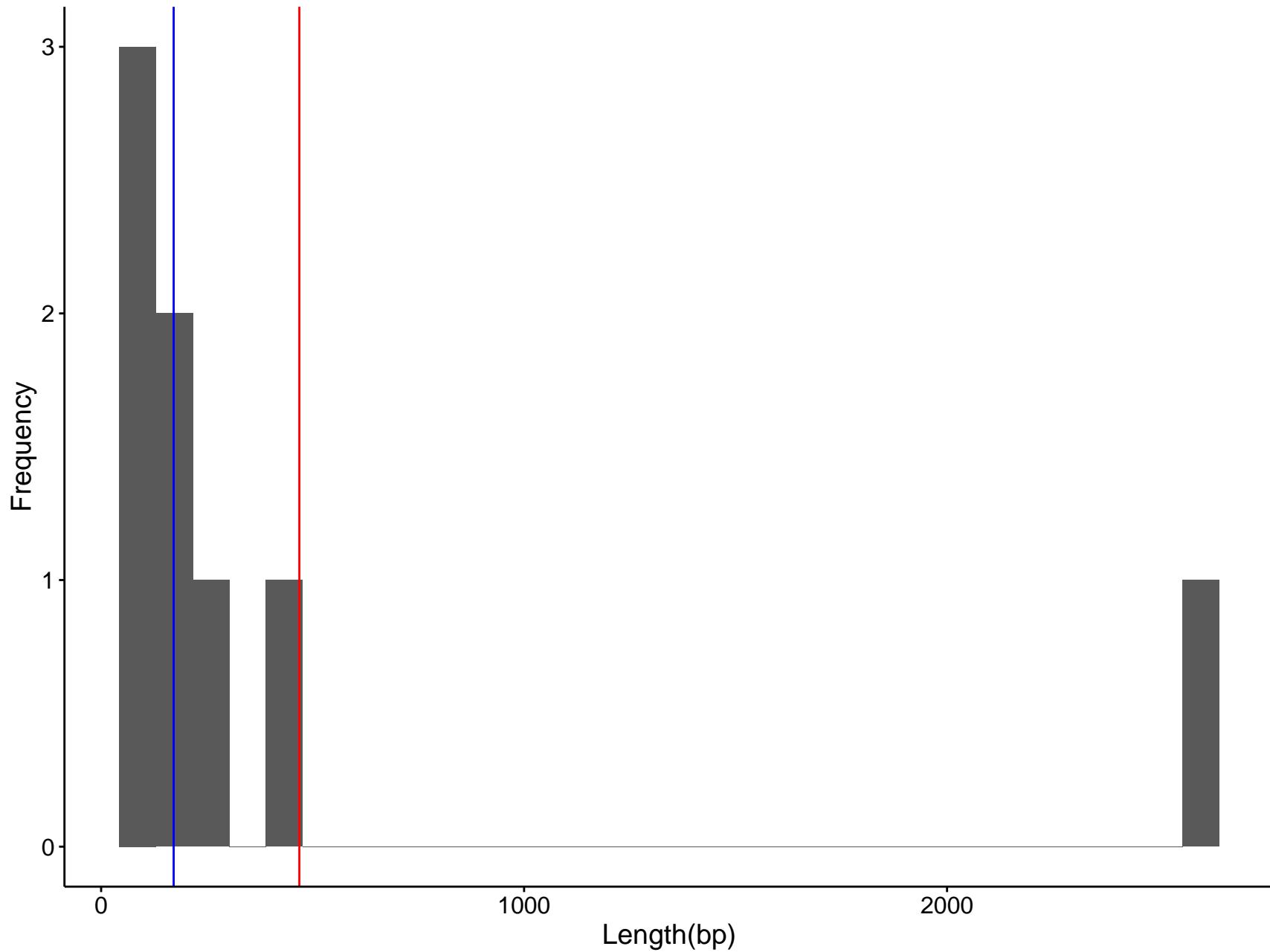
Cluster2162



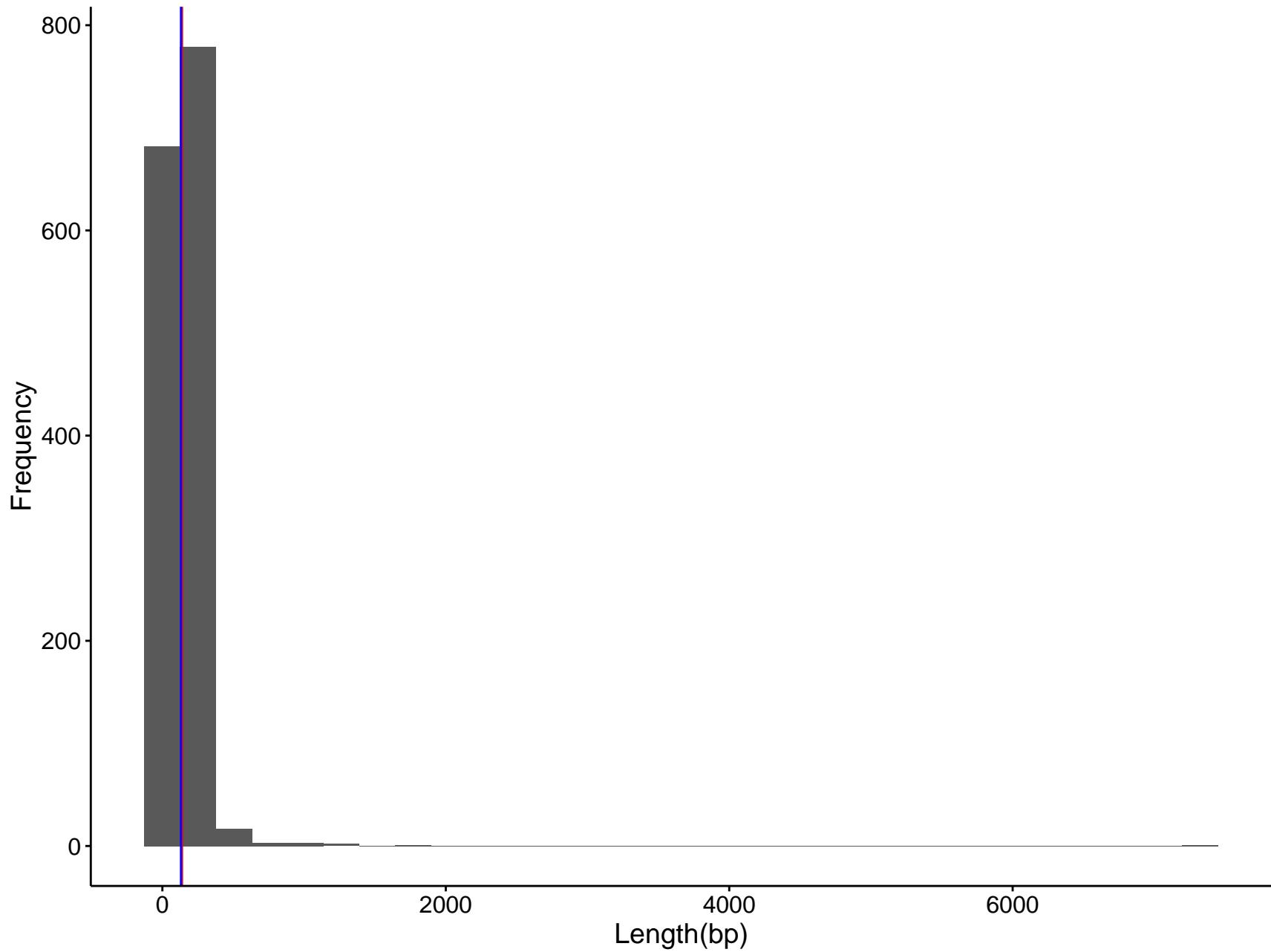
Cluster2163



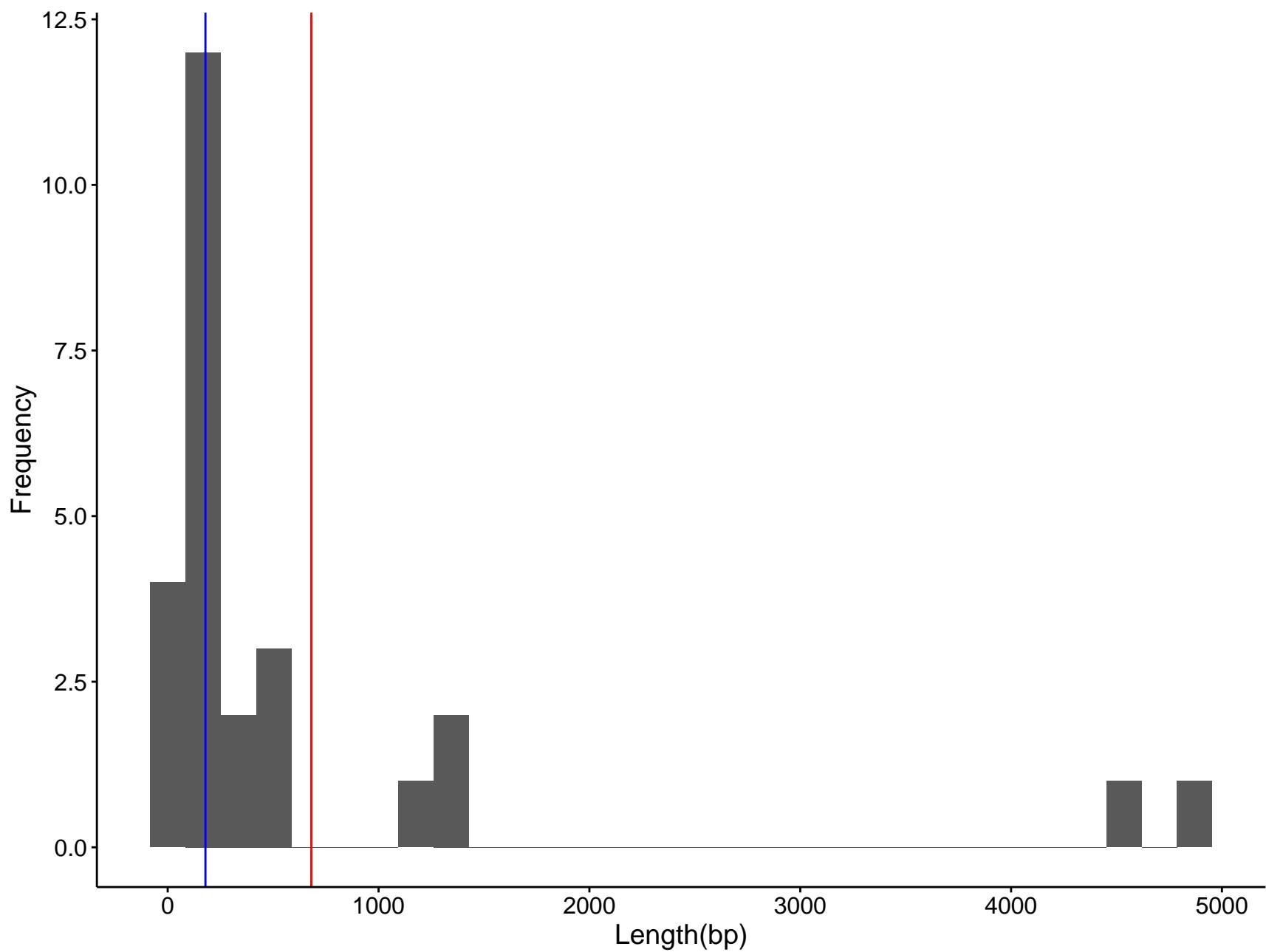
Cluster2167



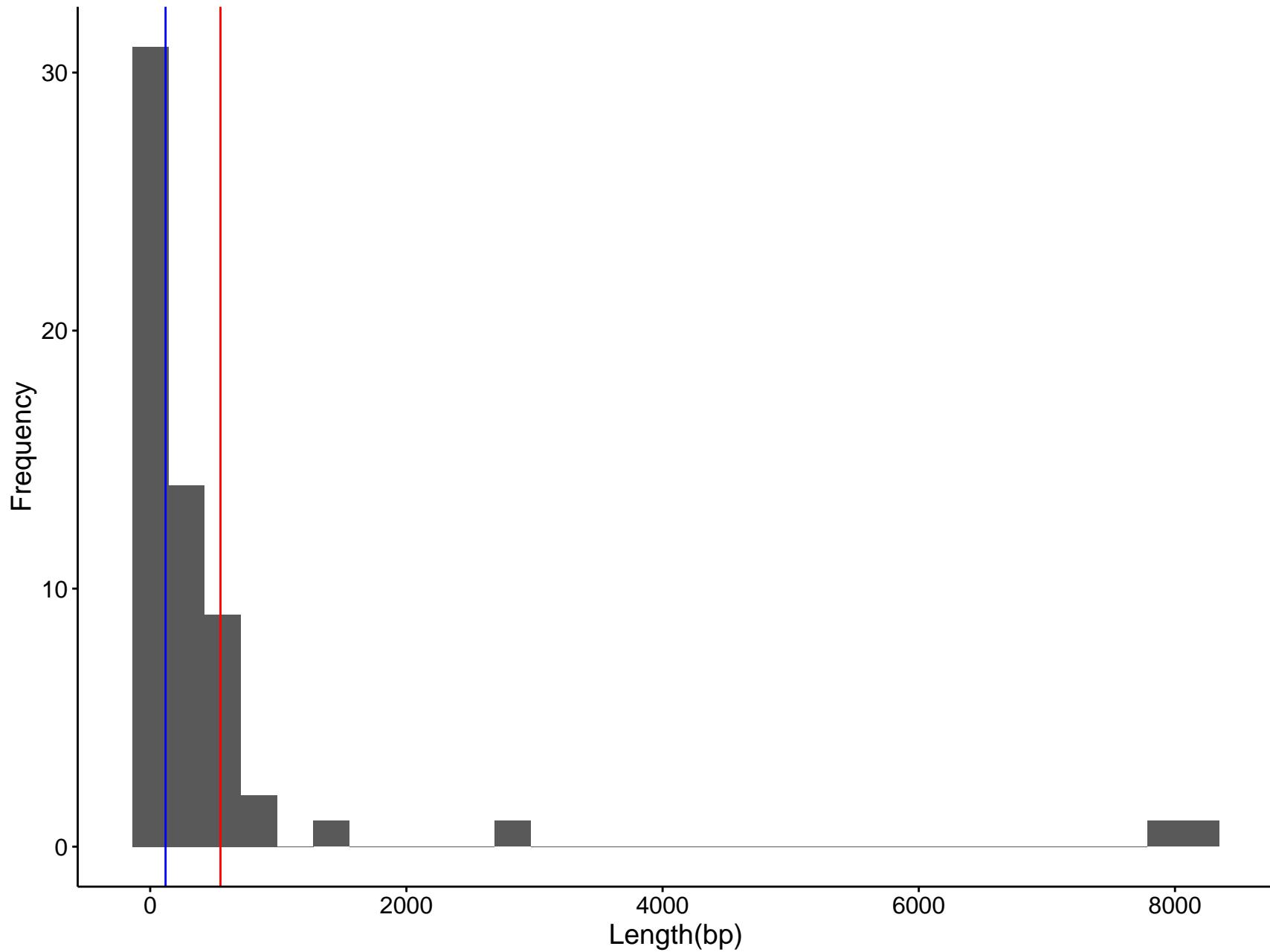
Cluster2169



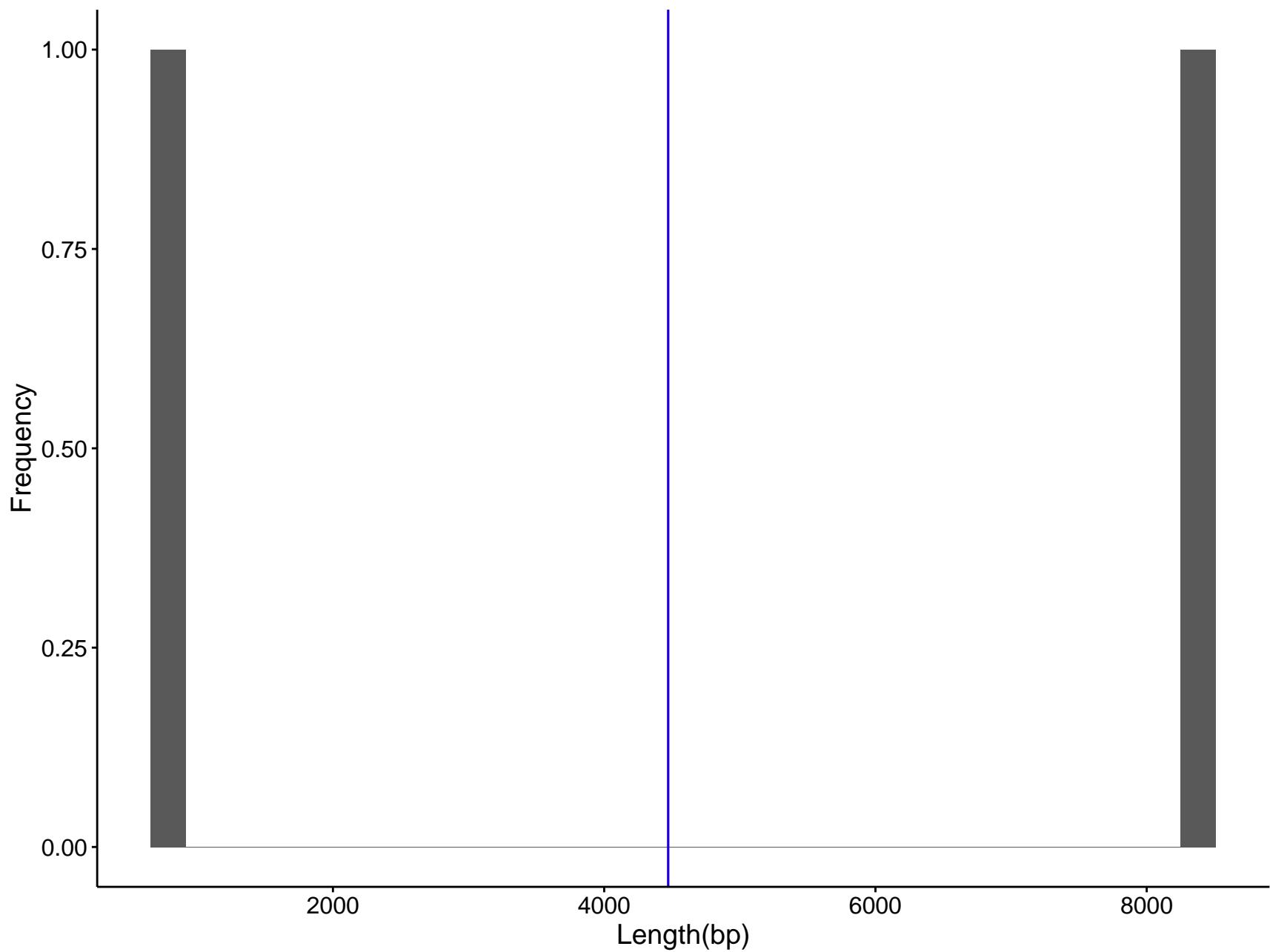
Cluster2170



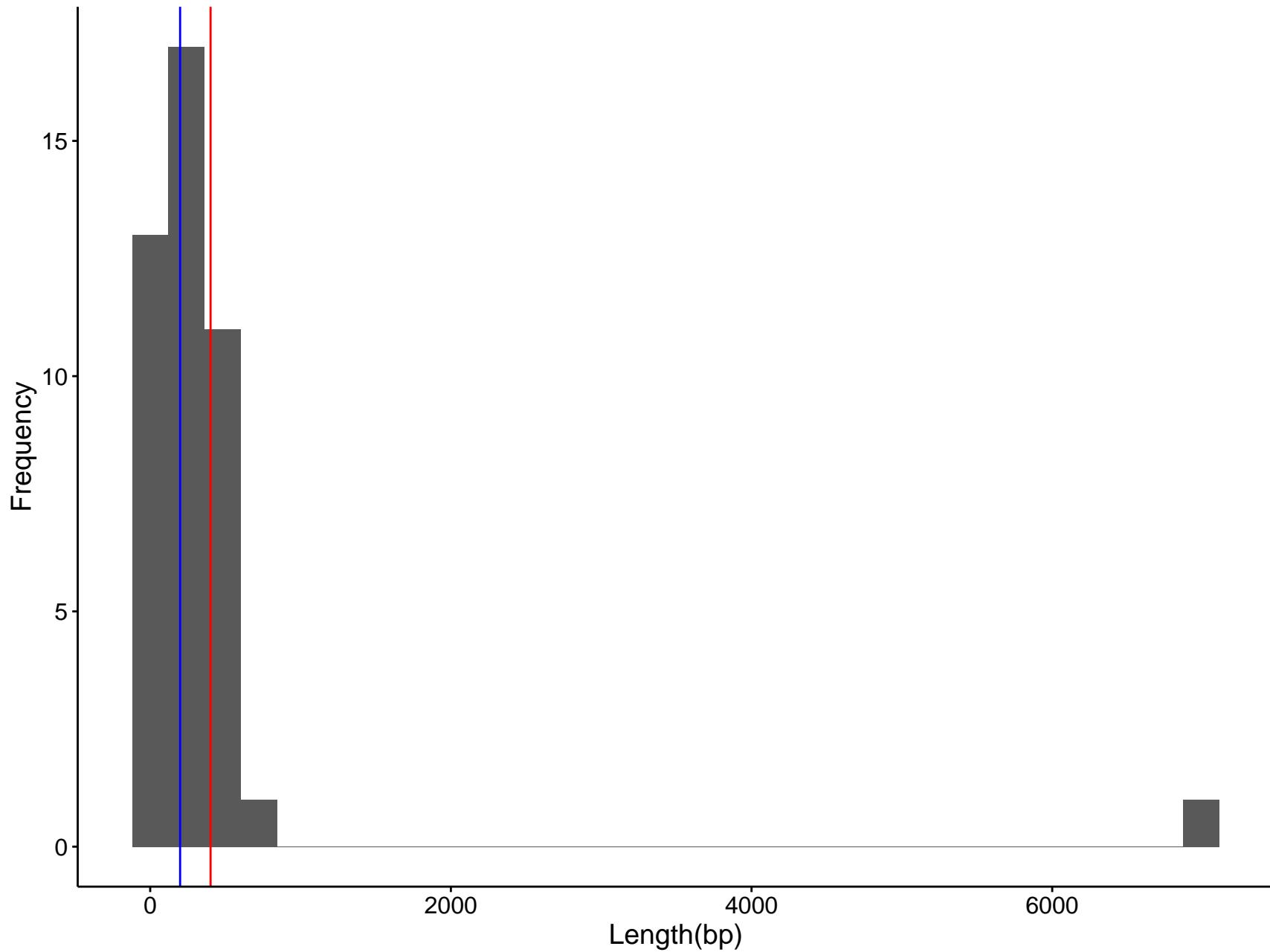
Cluster2171

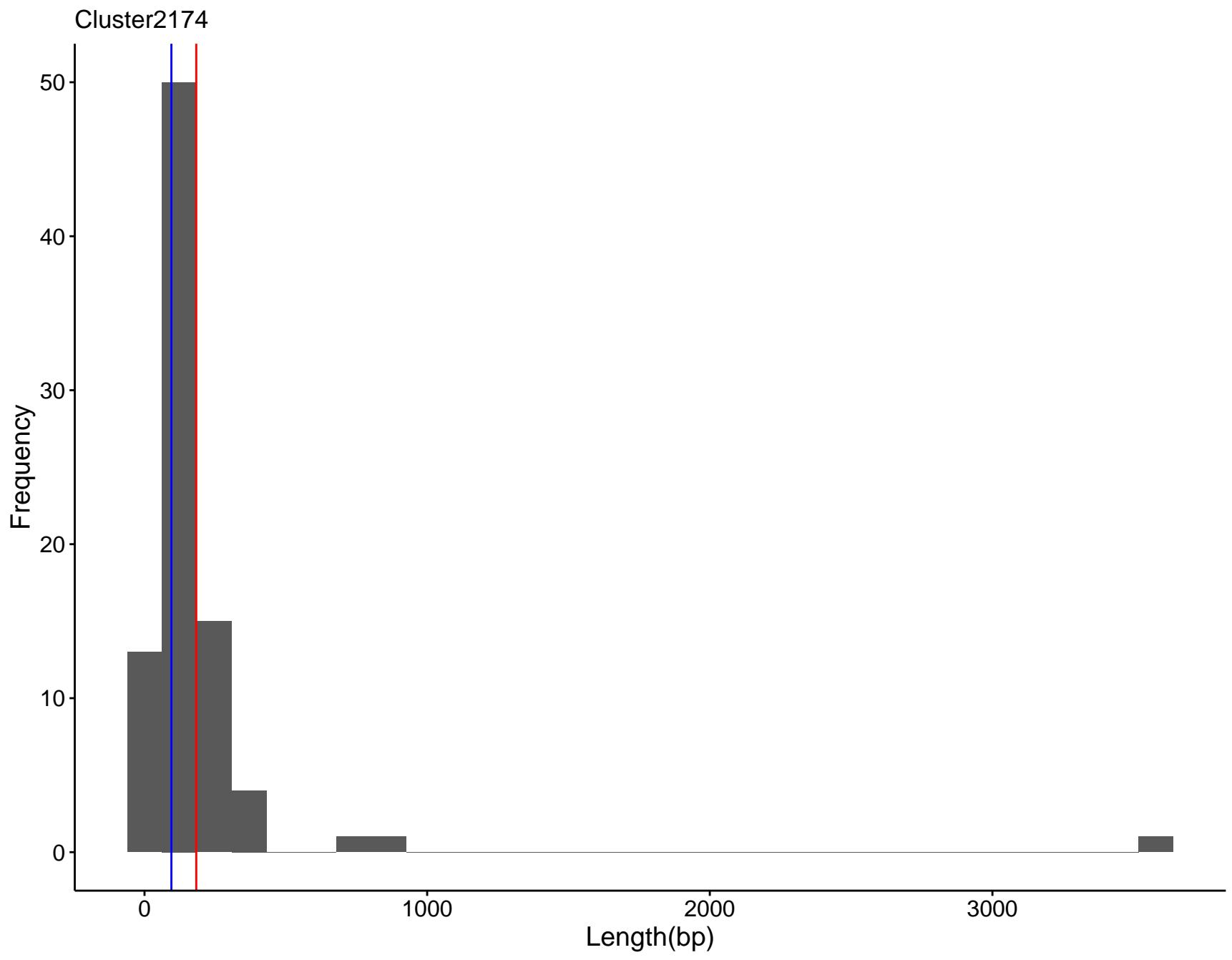


Cluster2172

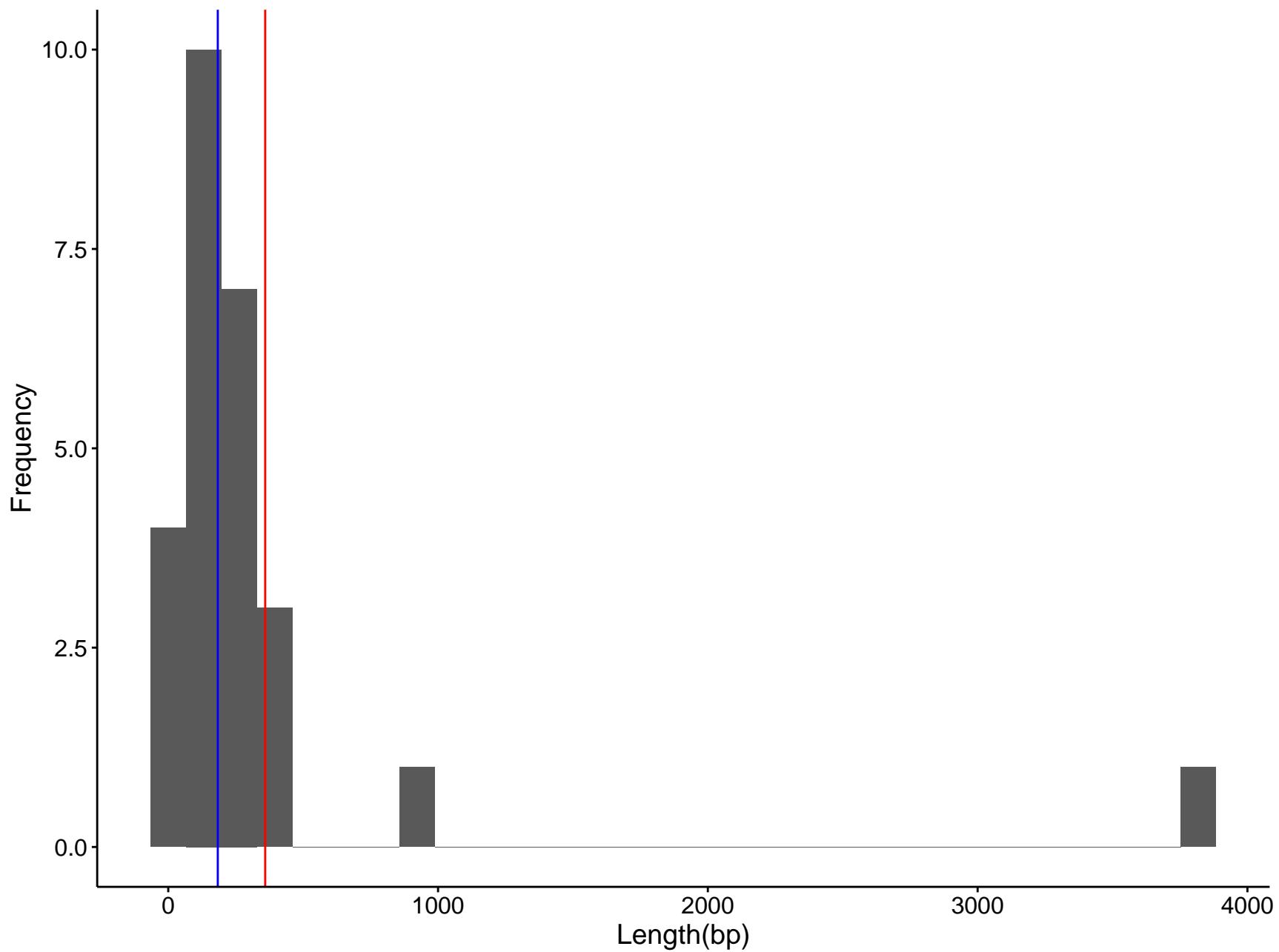


Cluster2173

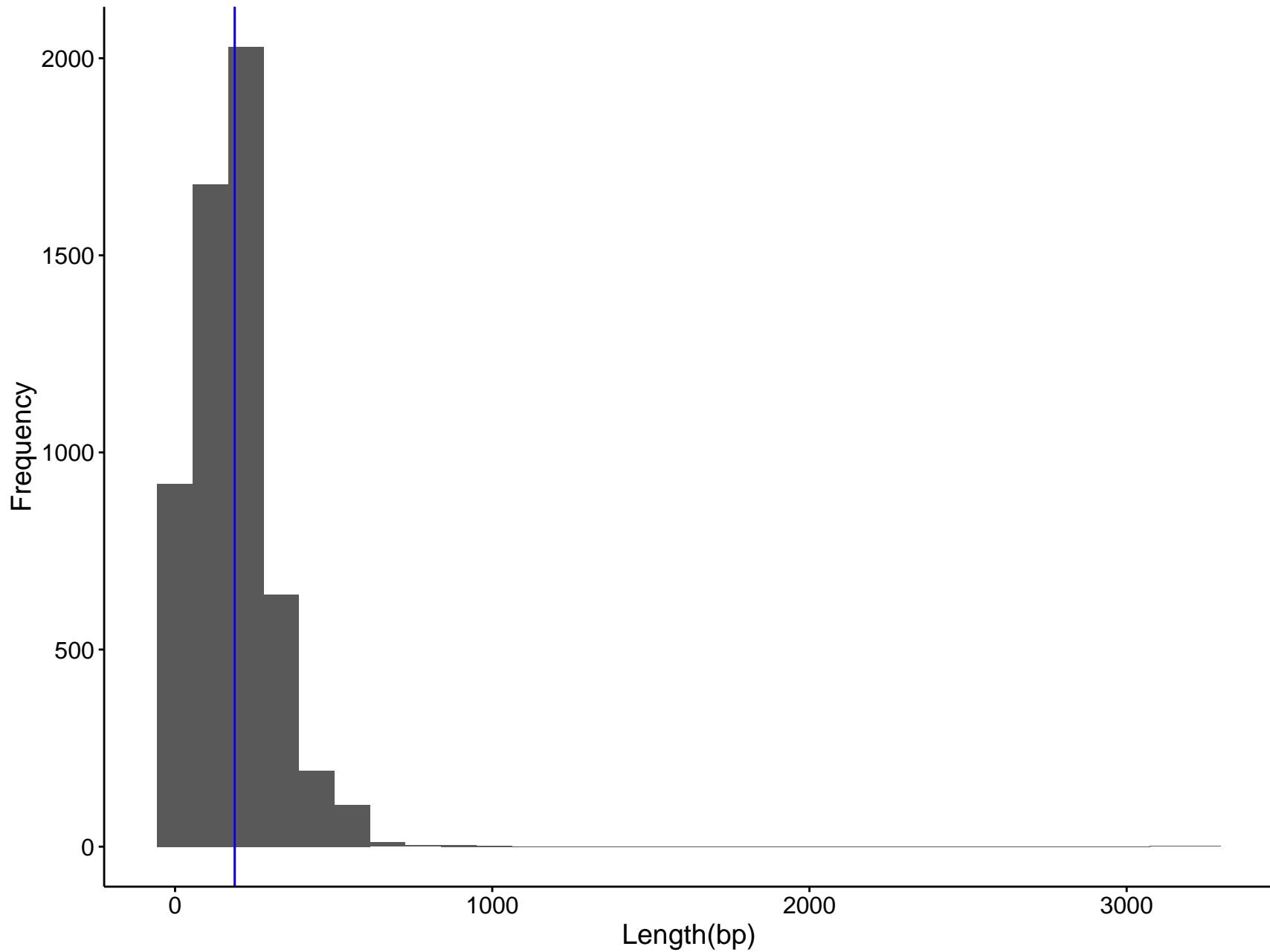




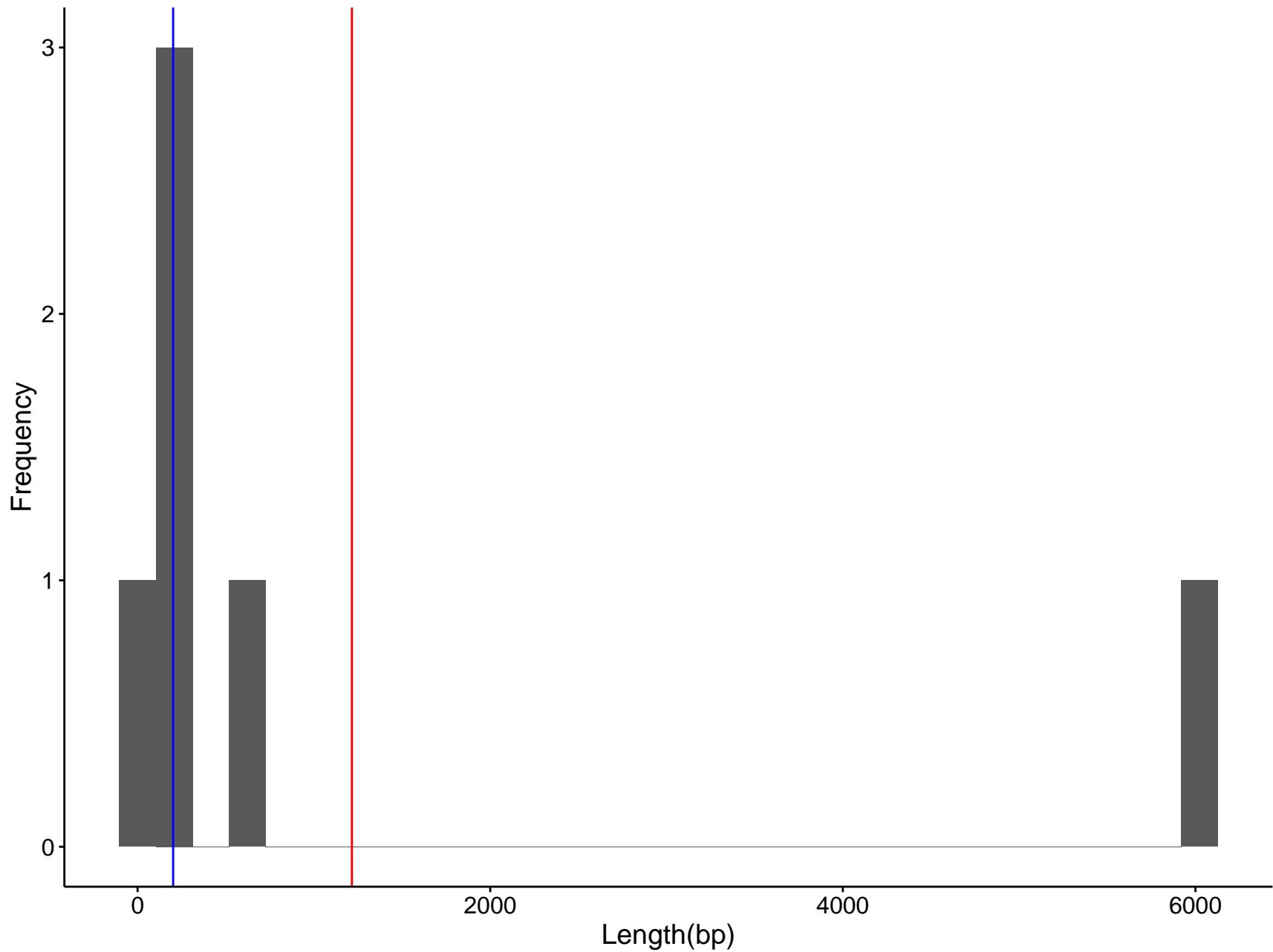
Cluster2175



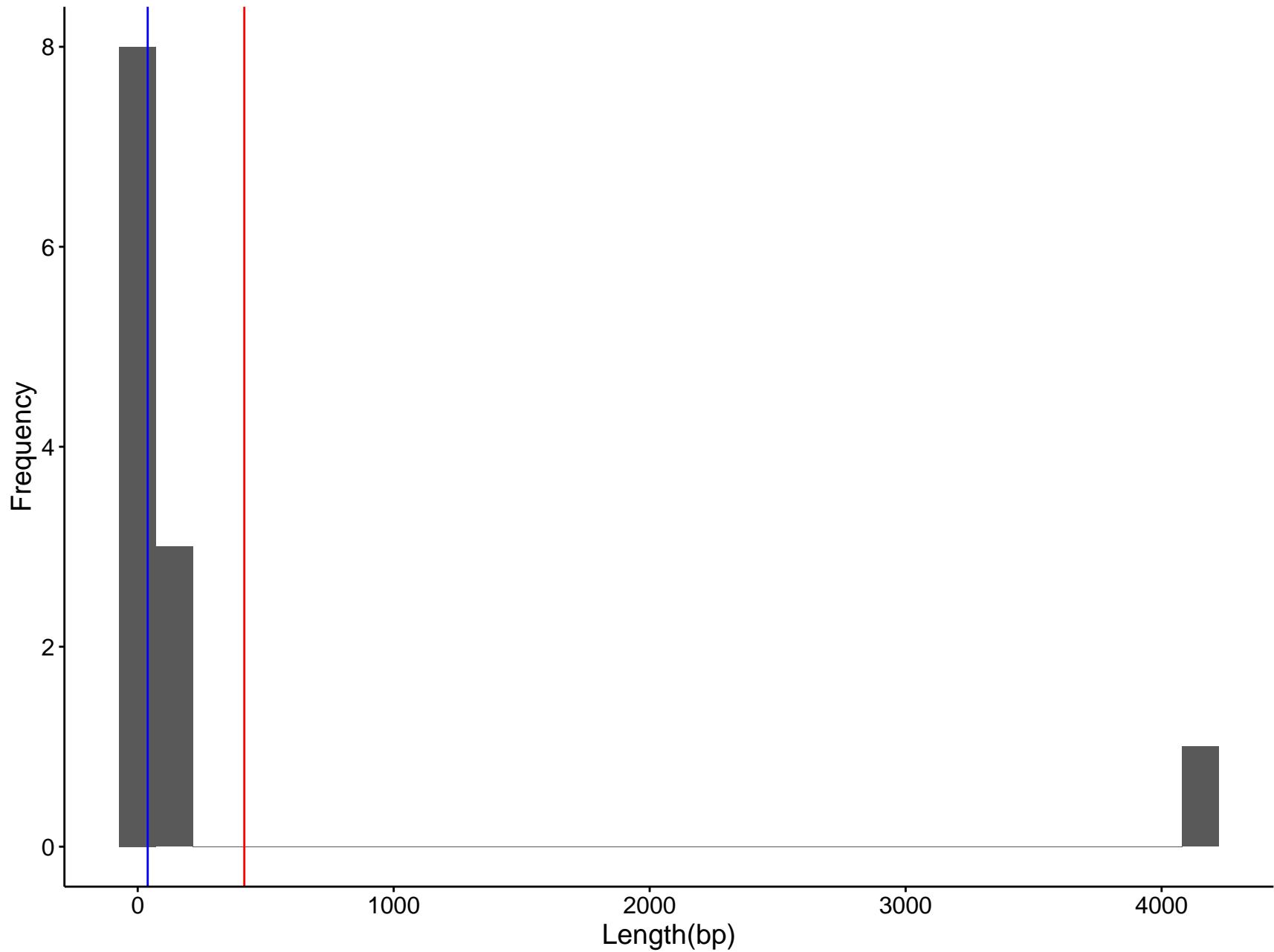
Cluster2176



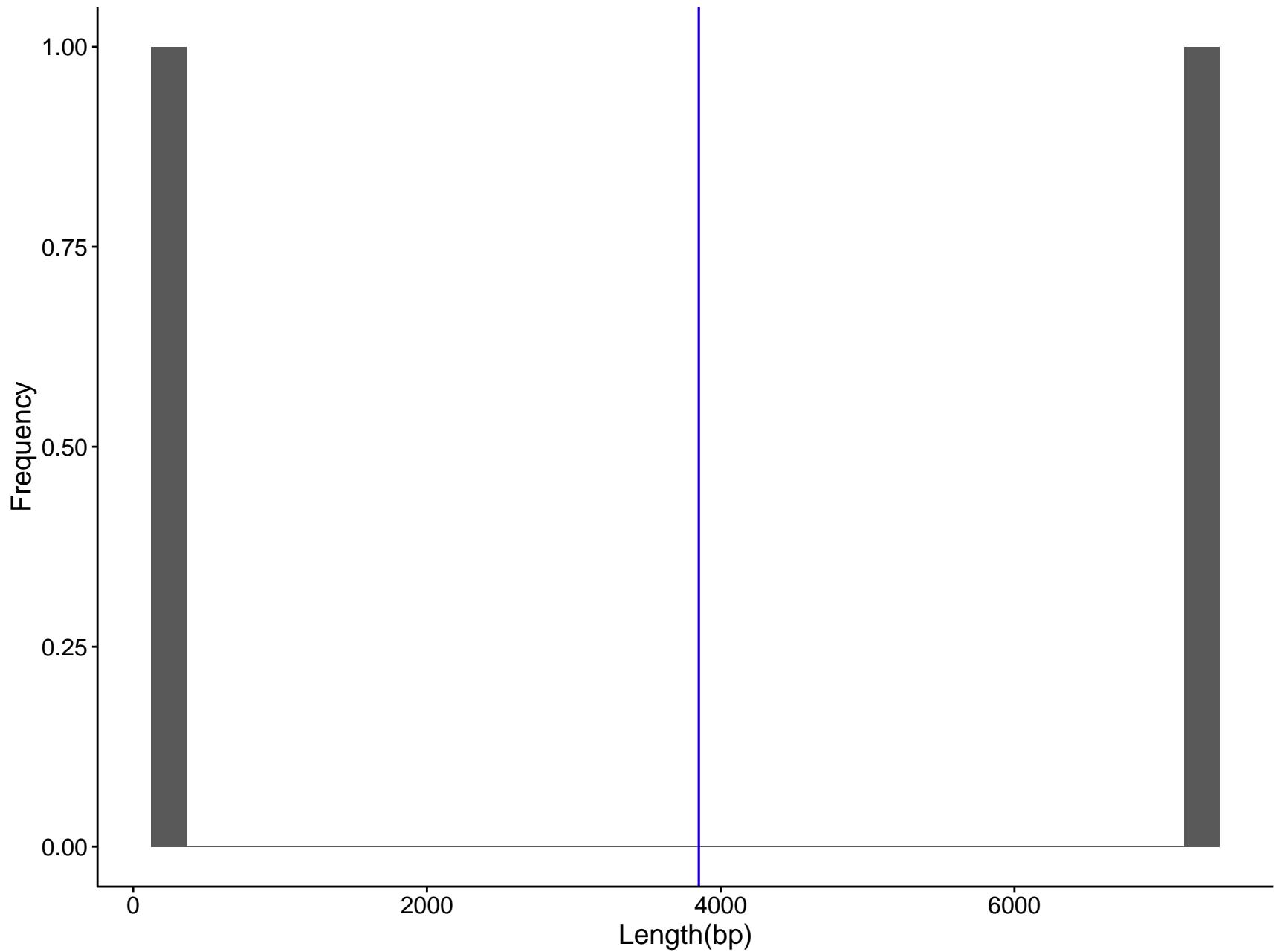
Cluster2177

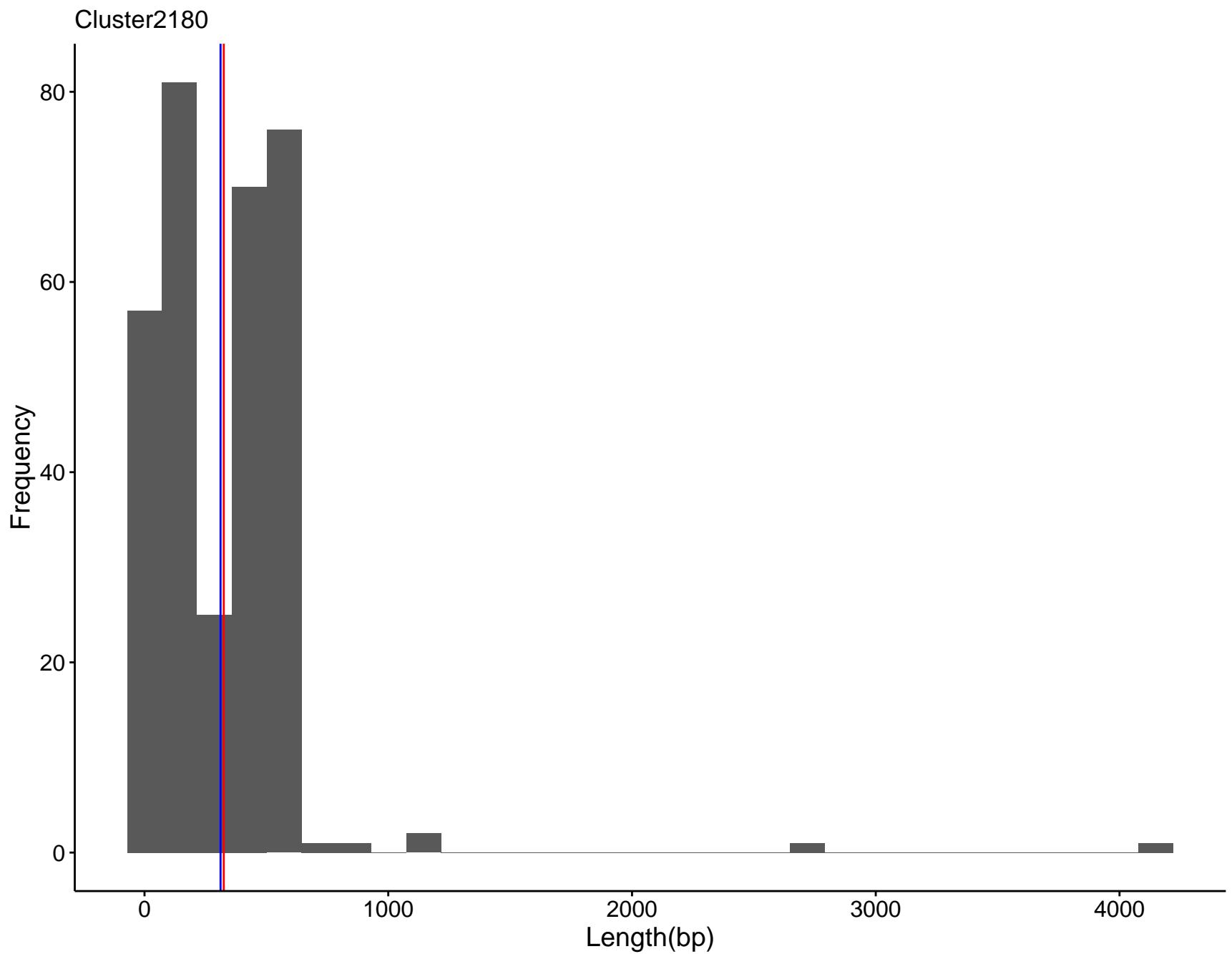


Cluster2178

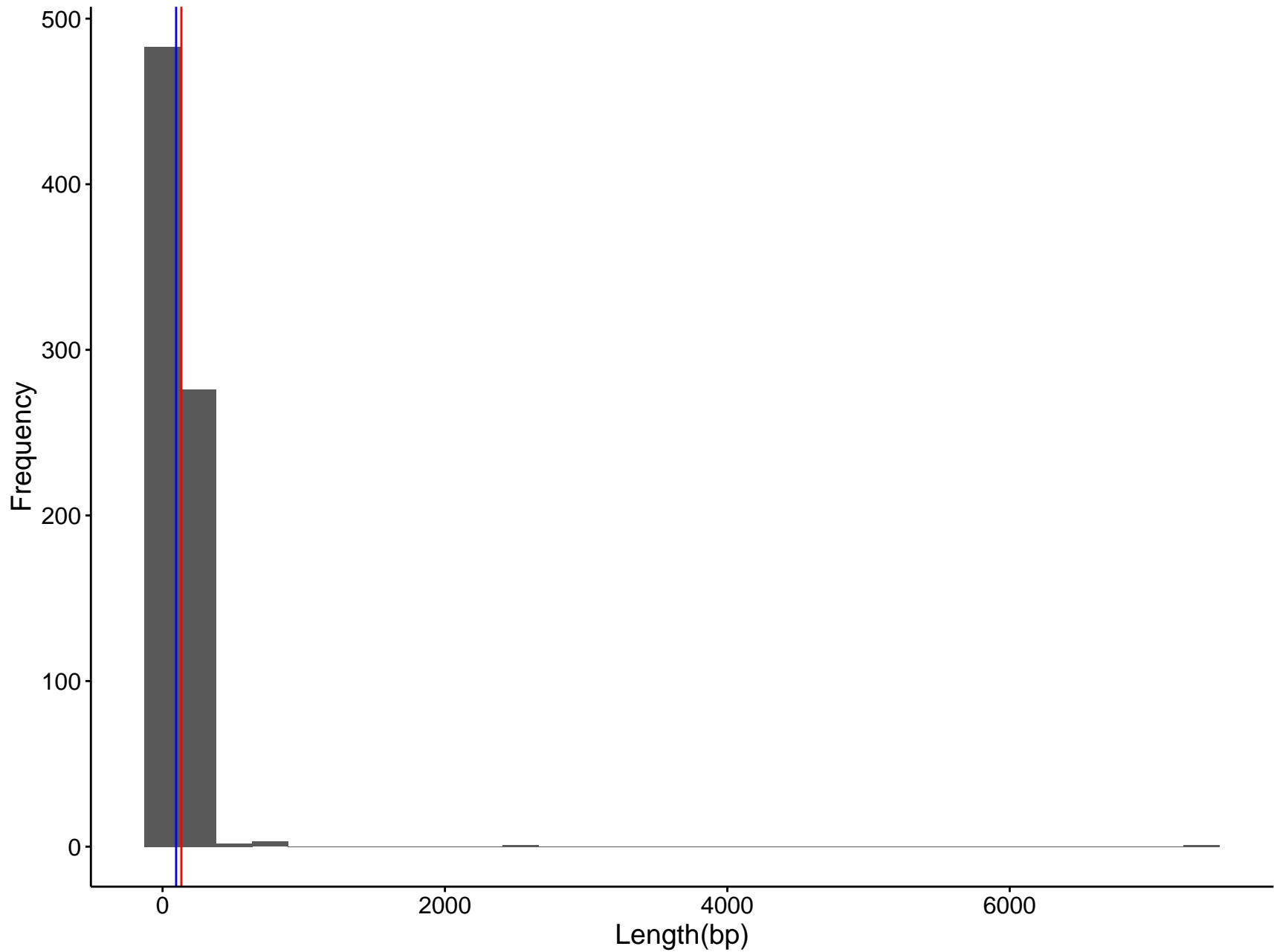


Cluster2179

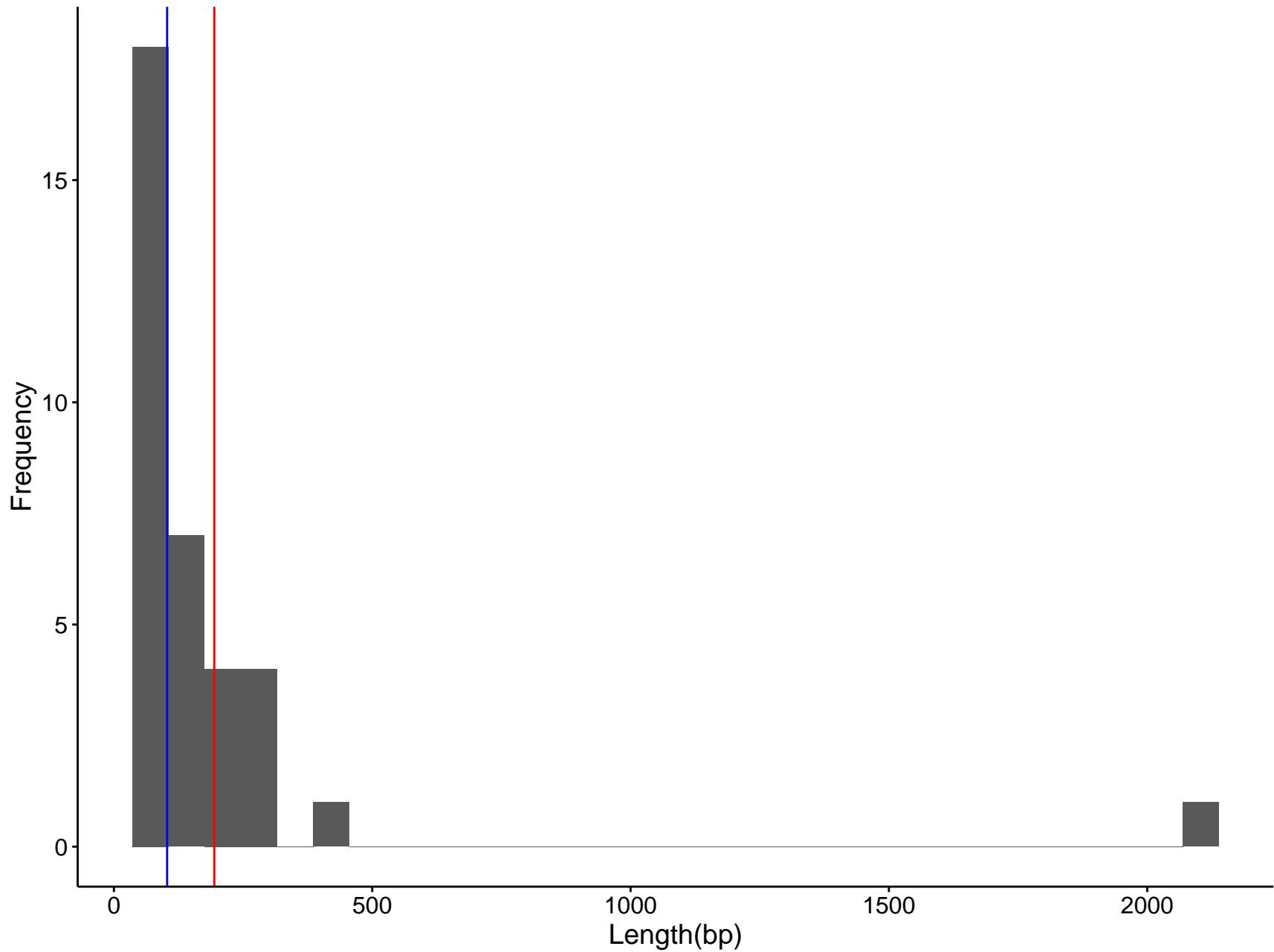




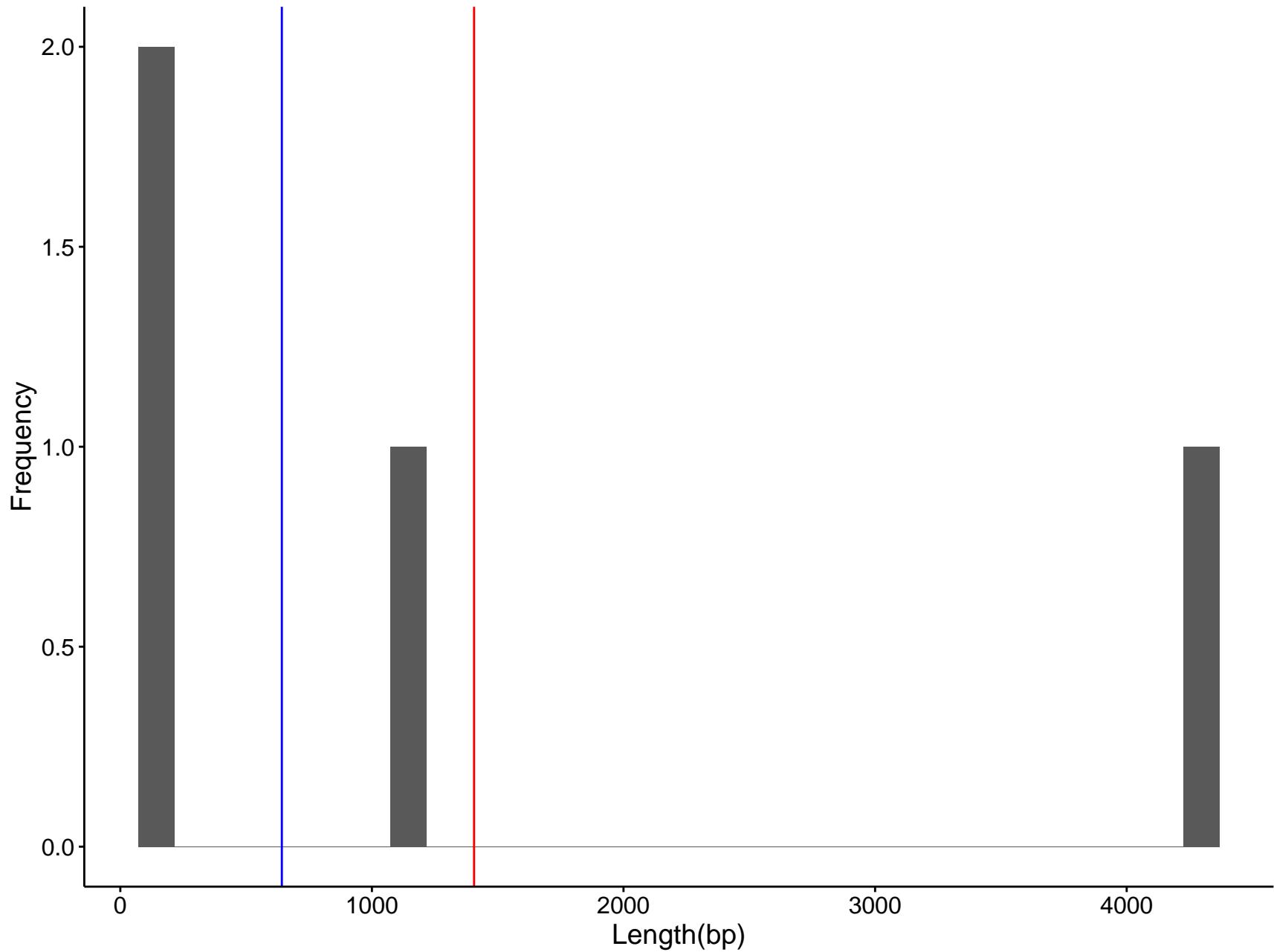
Cluster2182



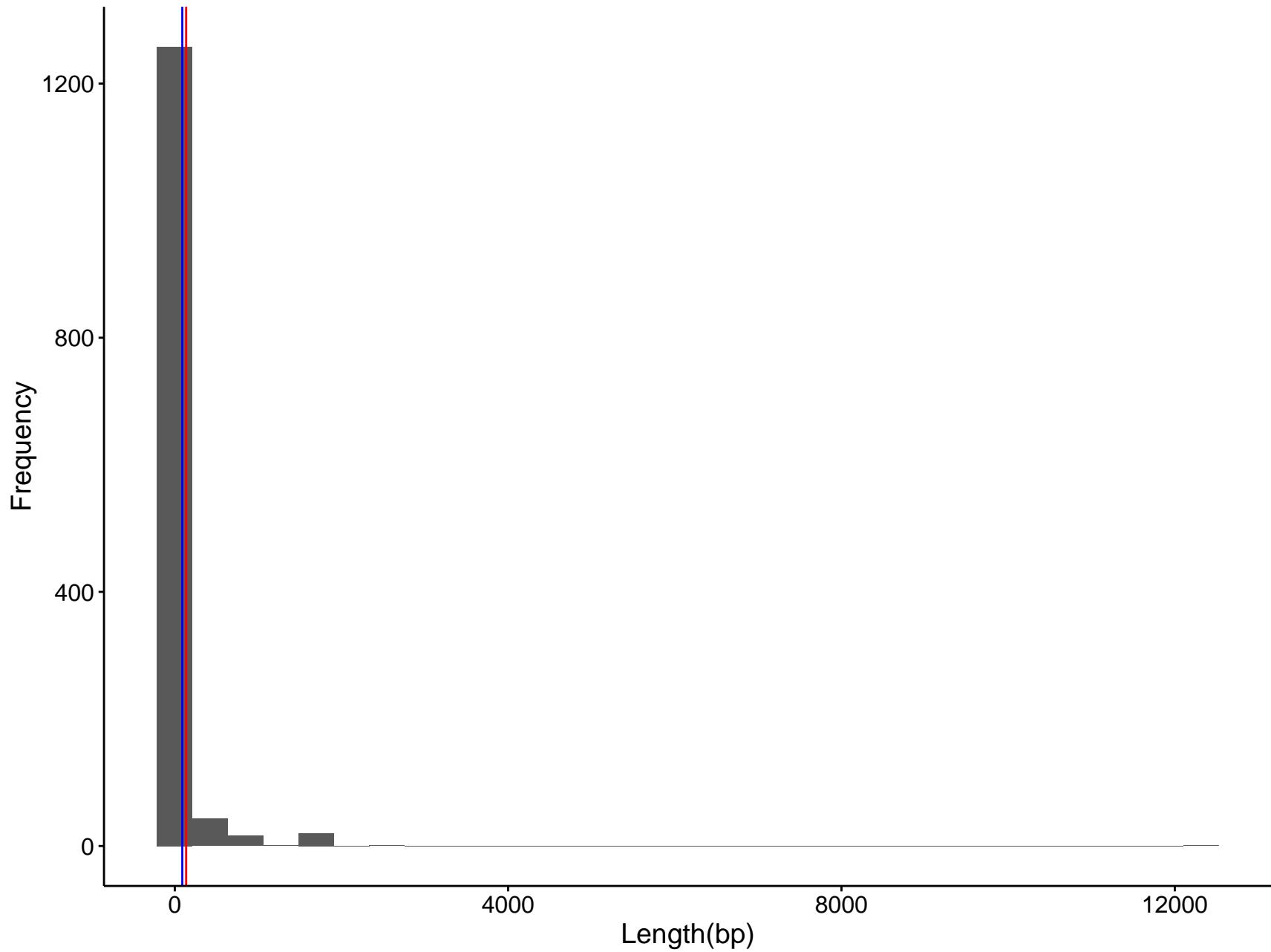
Cluster2183



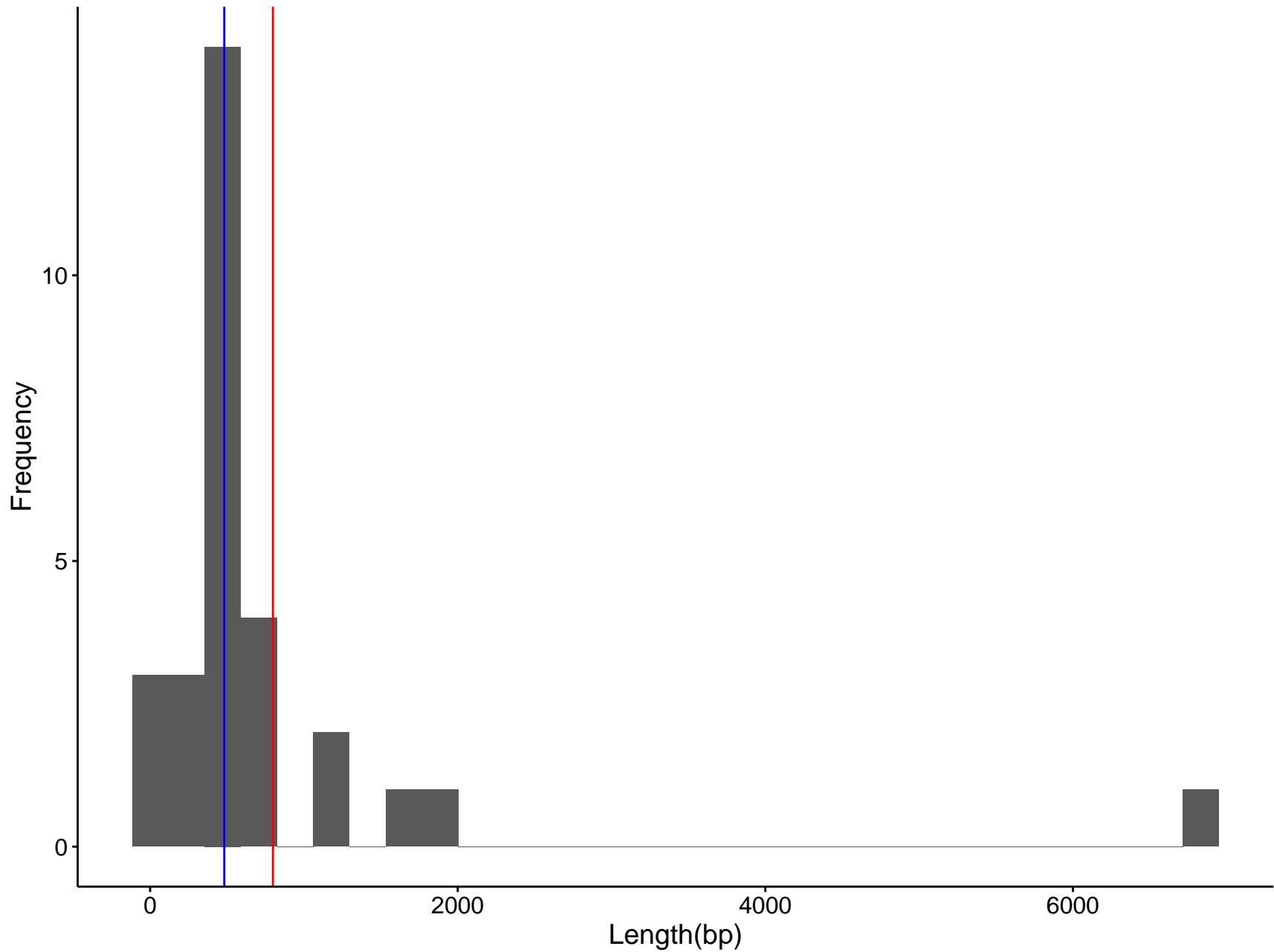
Cluster2185



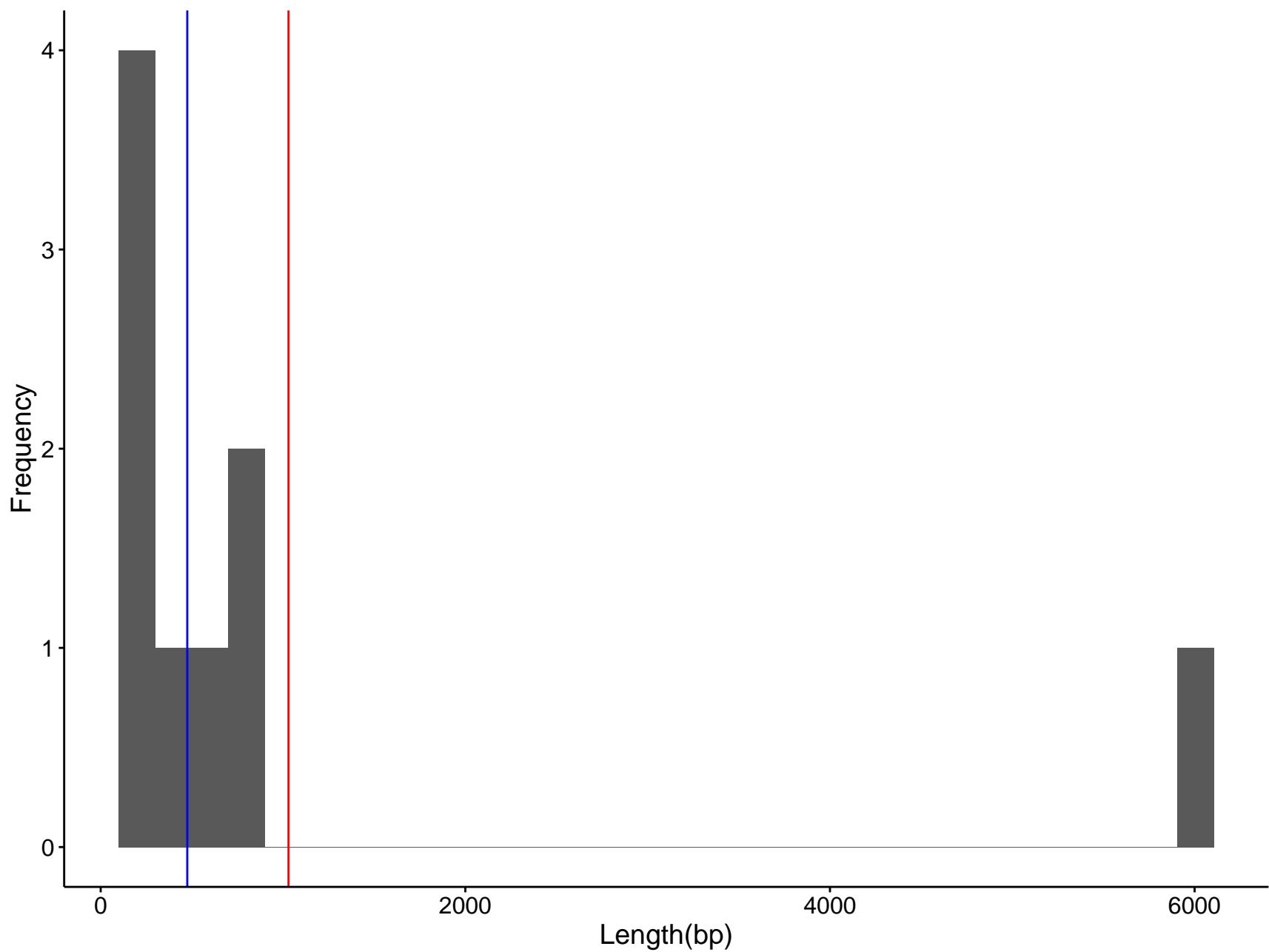
Cluster2187



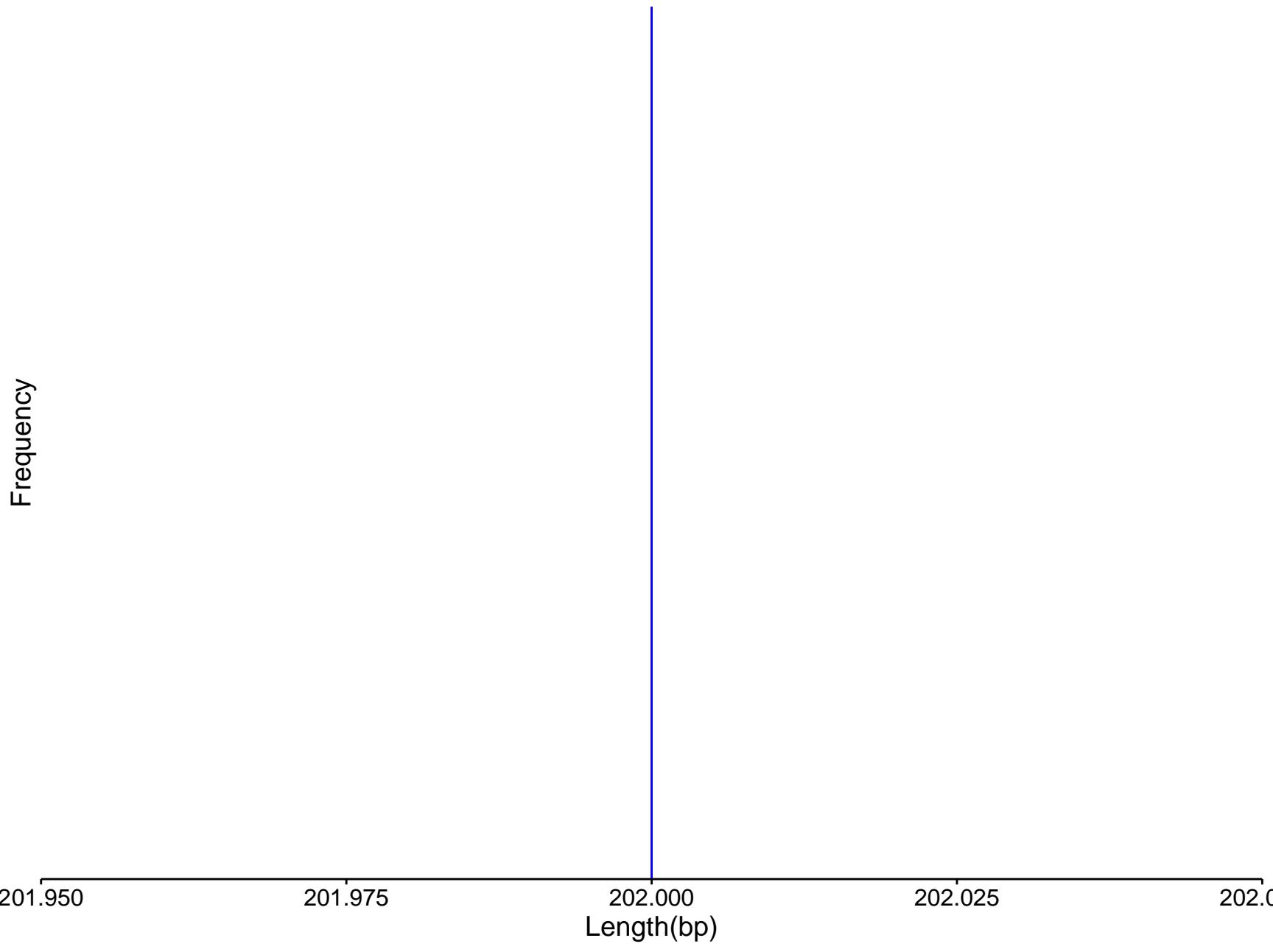
Cluster2188



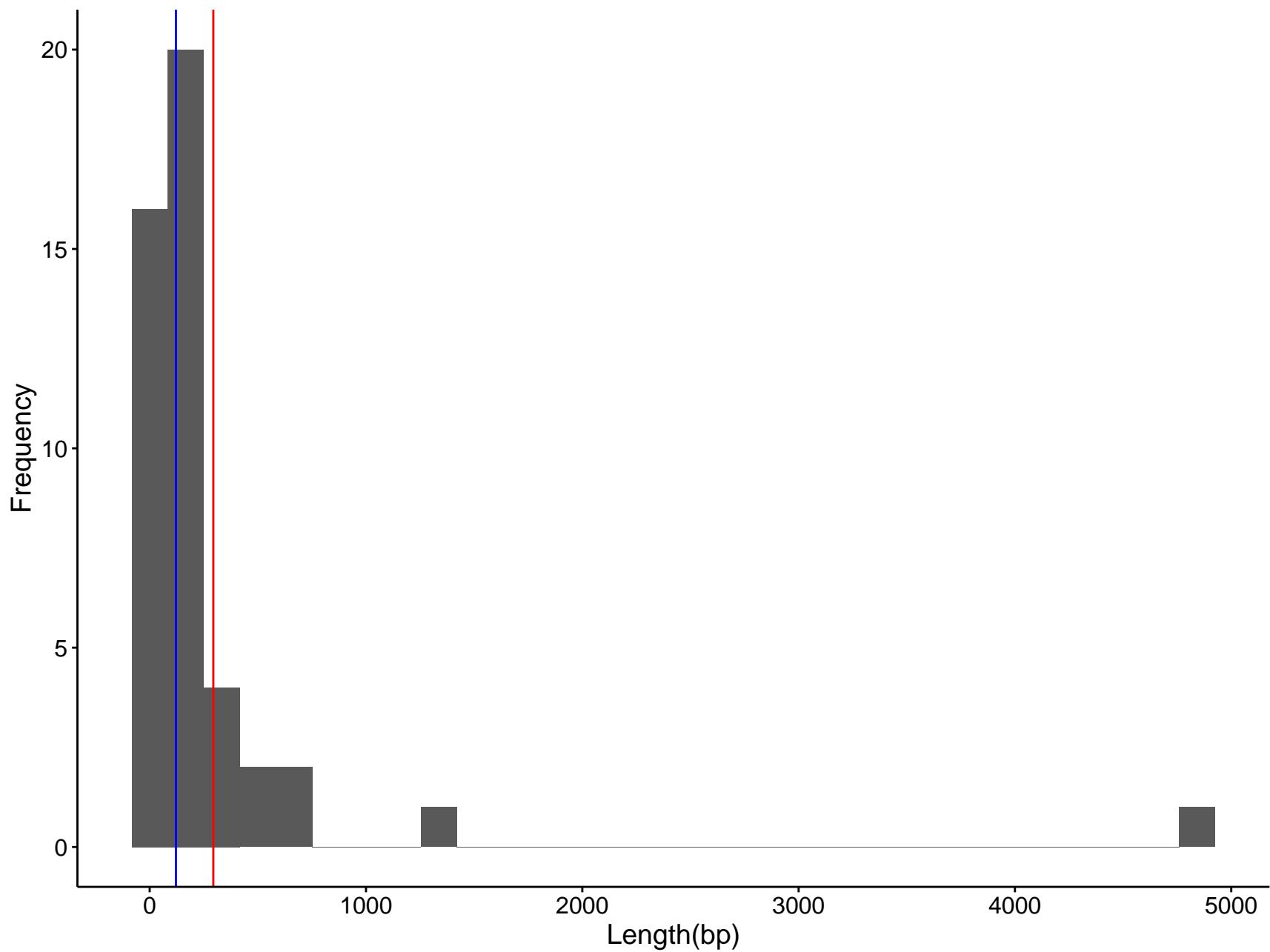
Cluster2189



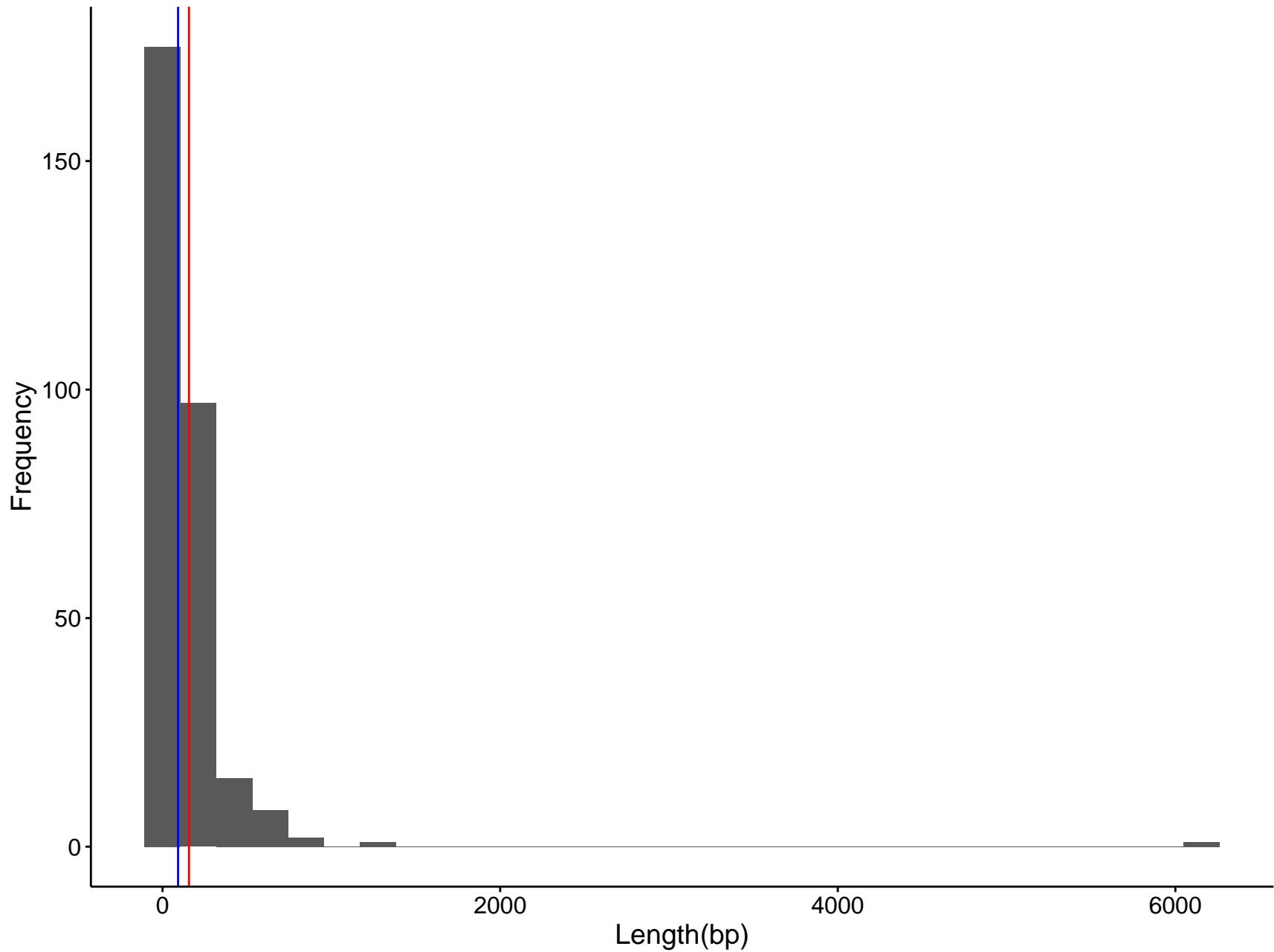
# Cluster218



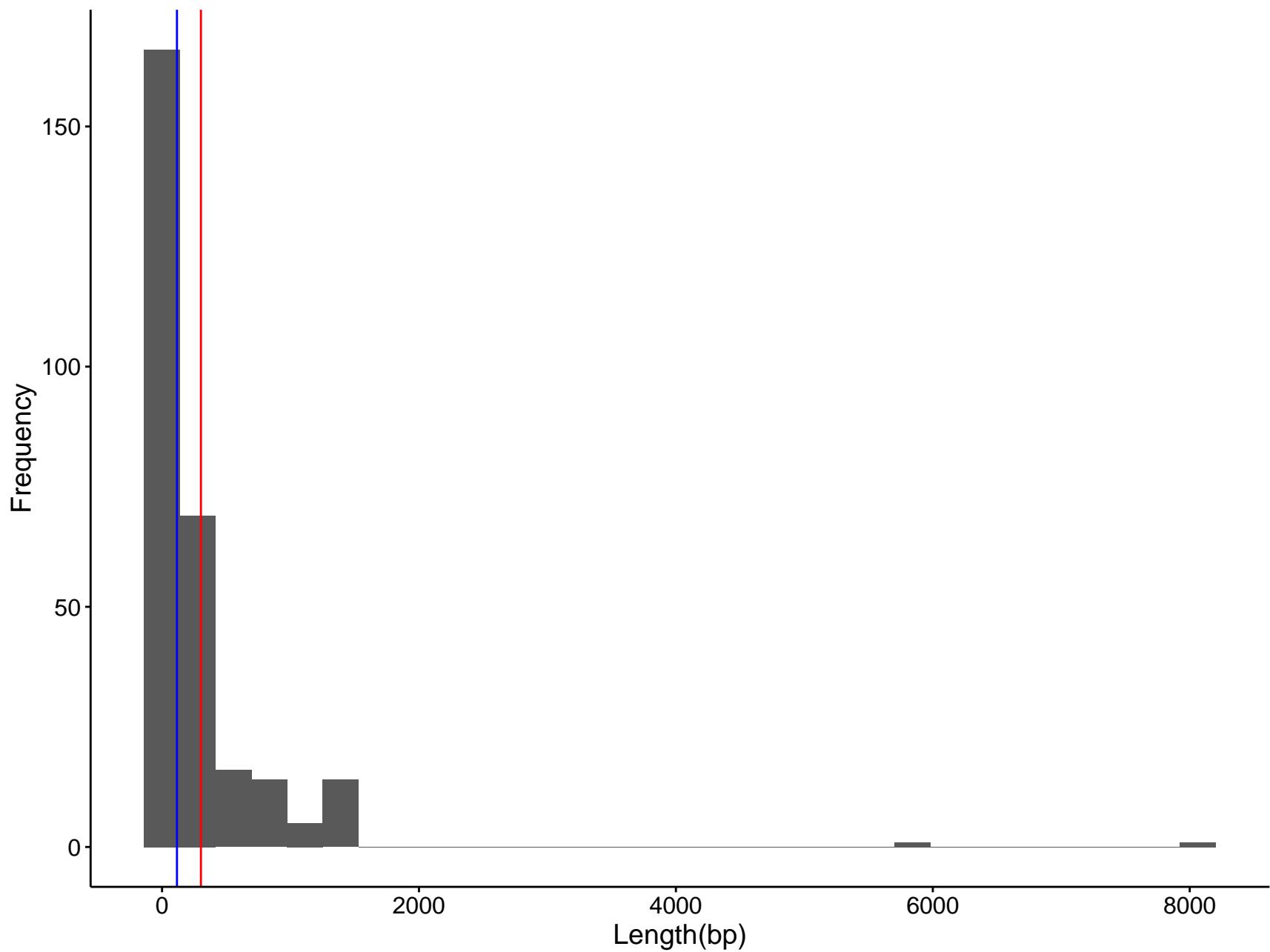
Cluster2190



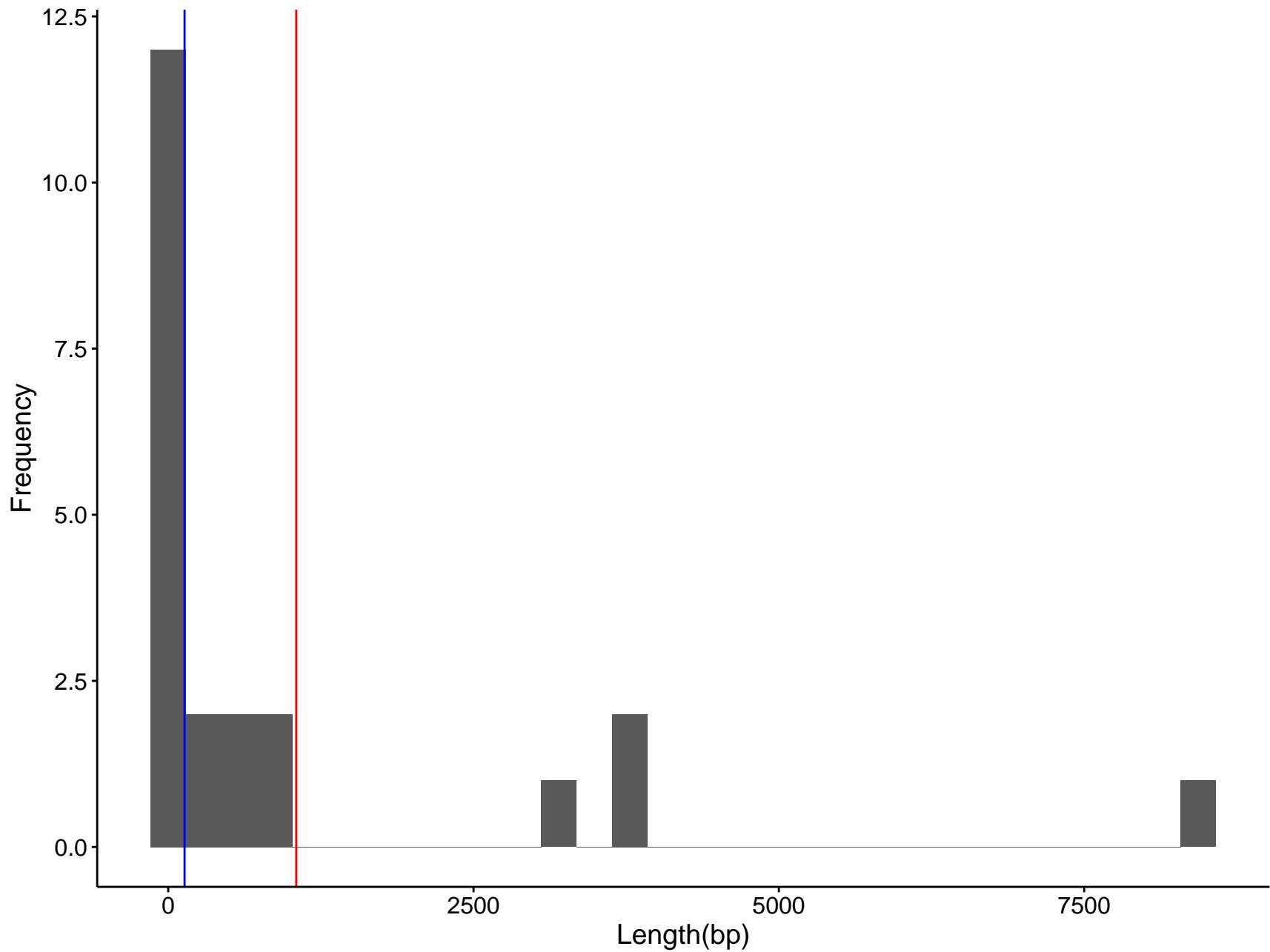
Cluster2191



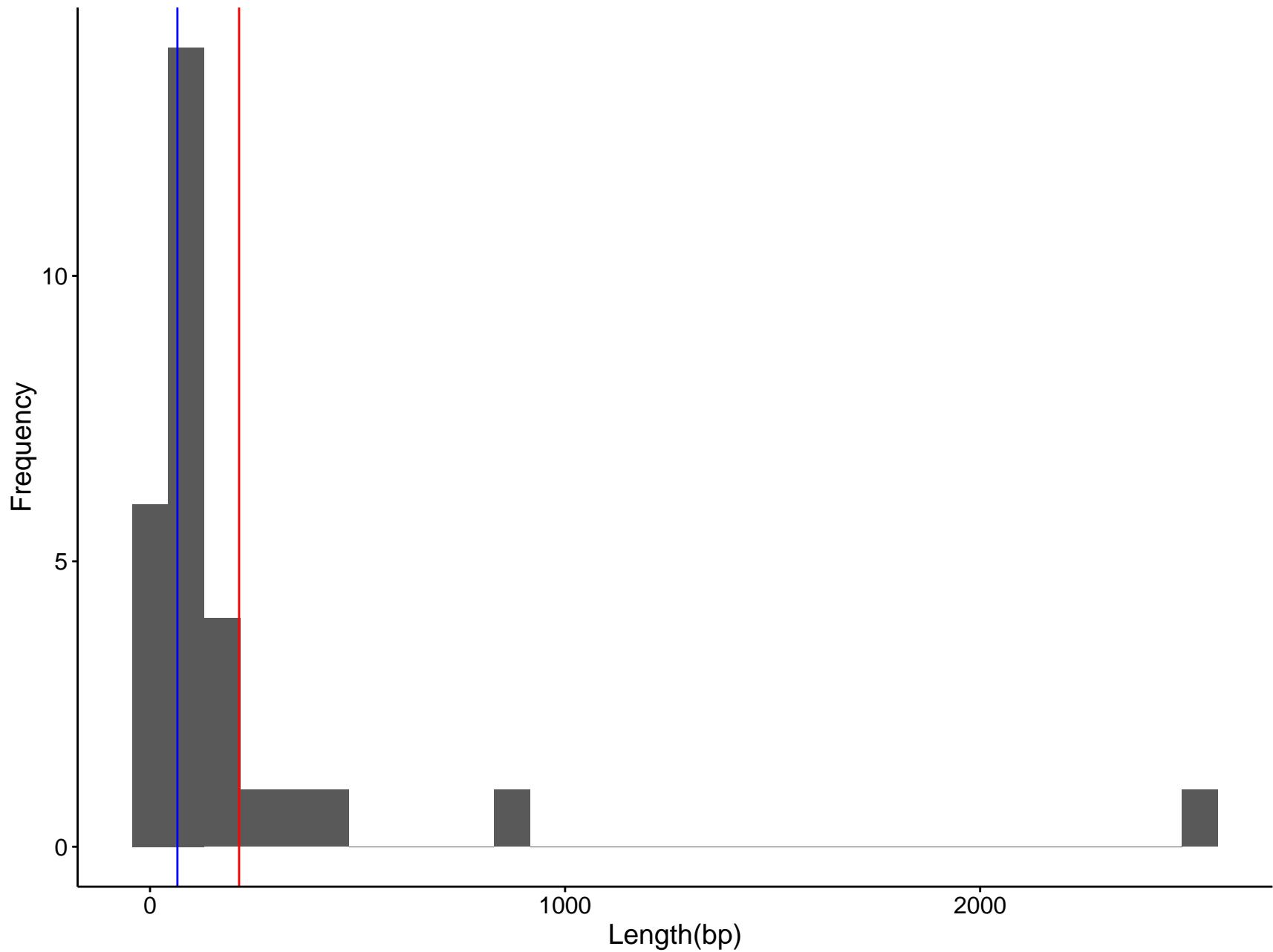
Cluster2192



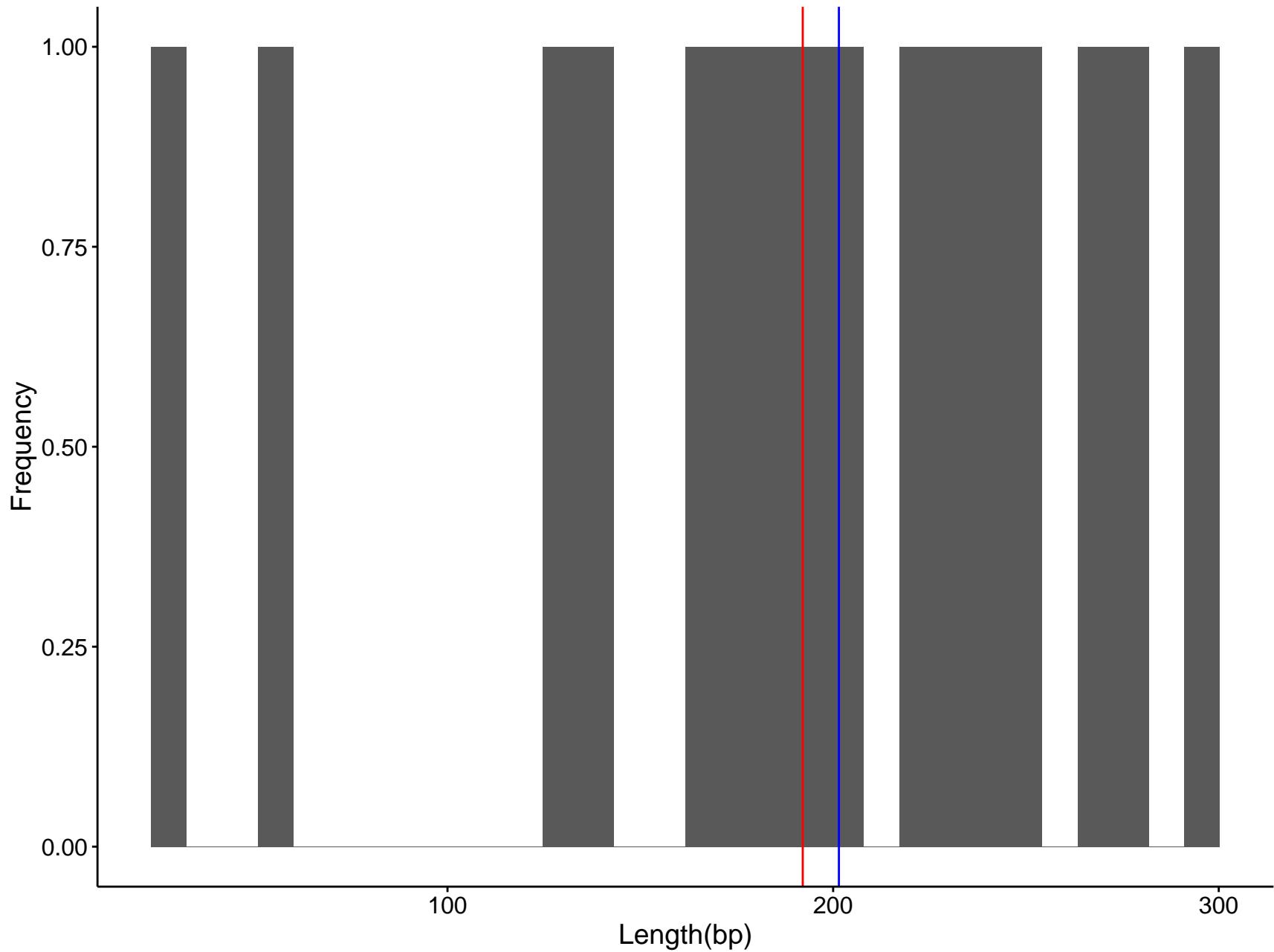
Cluster2193



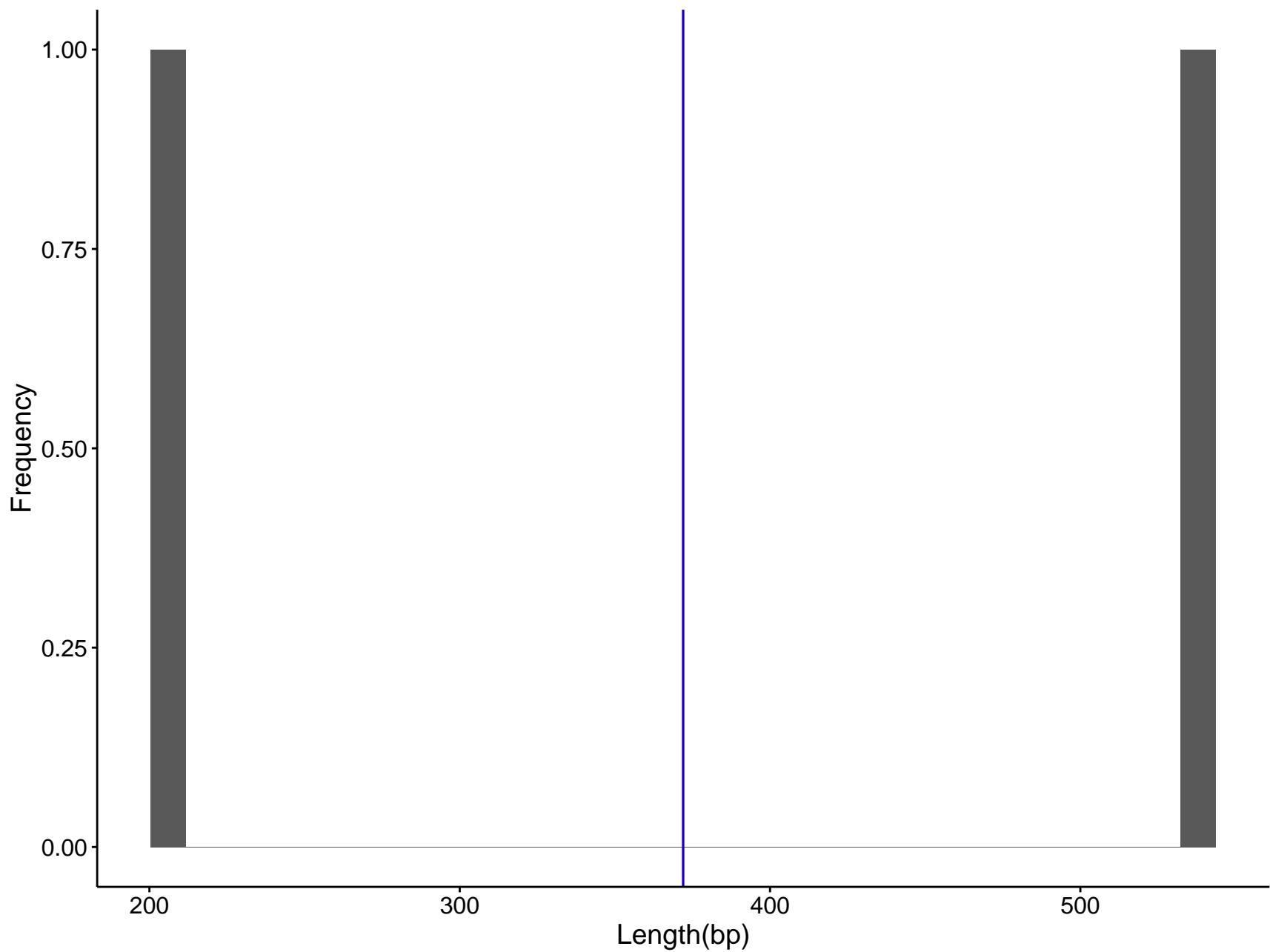
Cluster2195



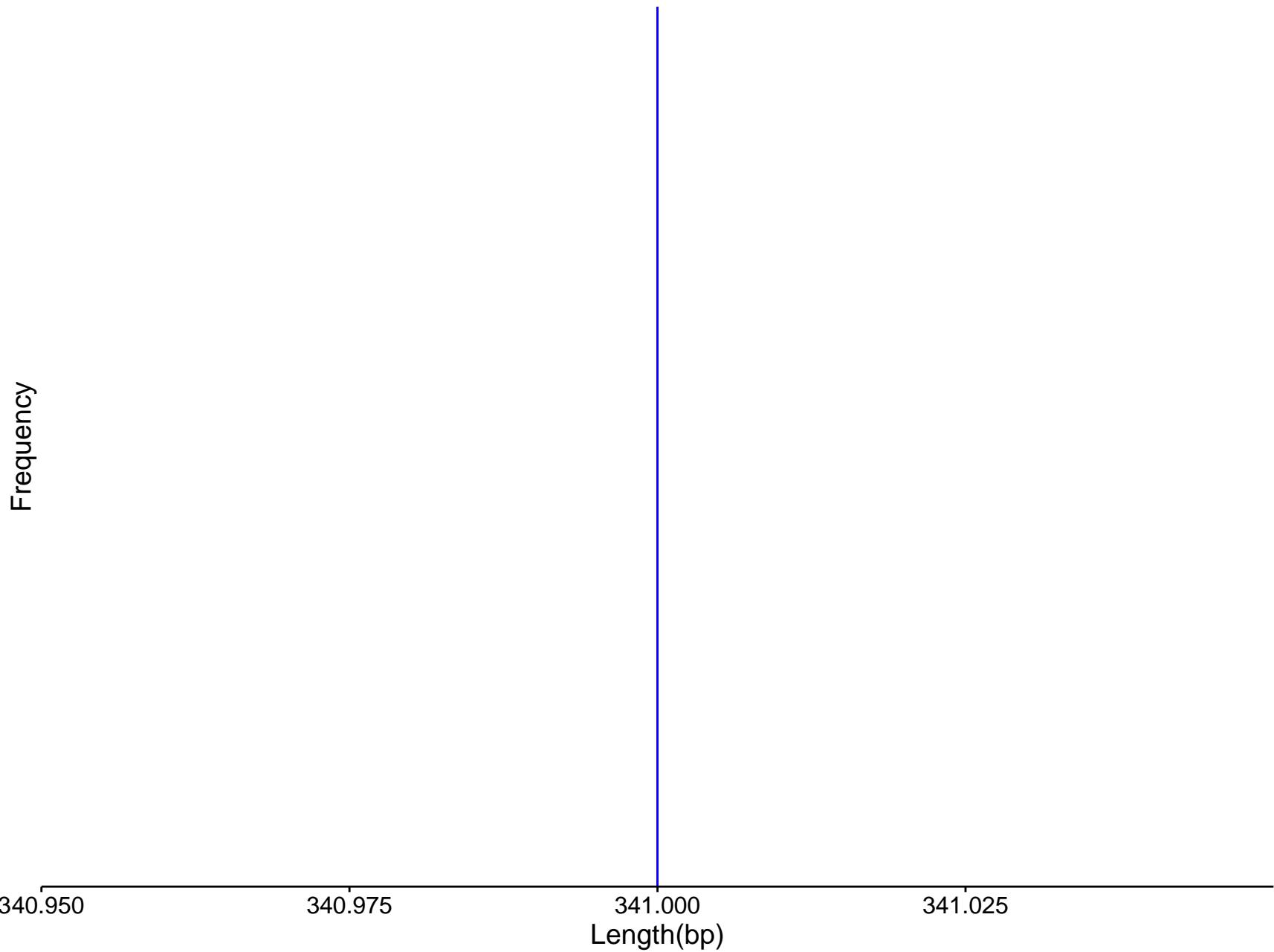
# Cluster2196



Cluster2197



# Cluster2198



Cluster2199

Frequency

282.950

282.975

283.000

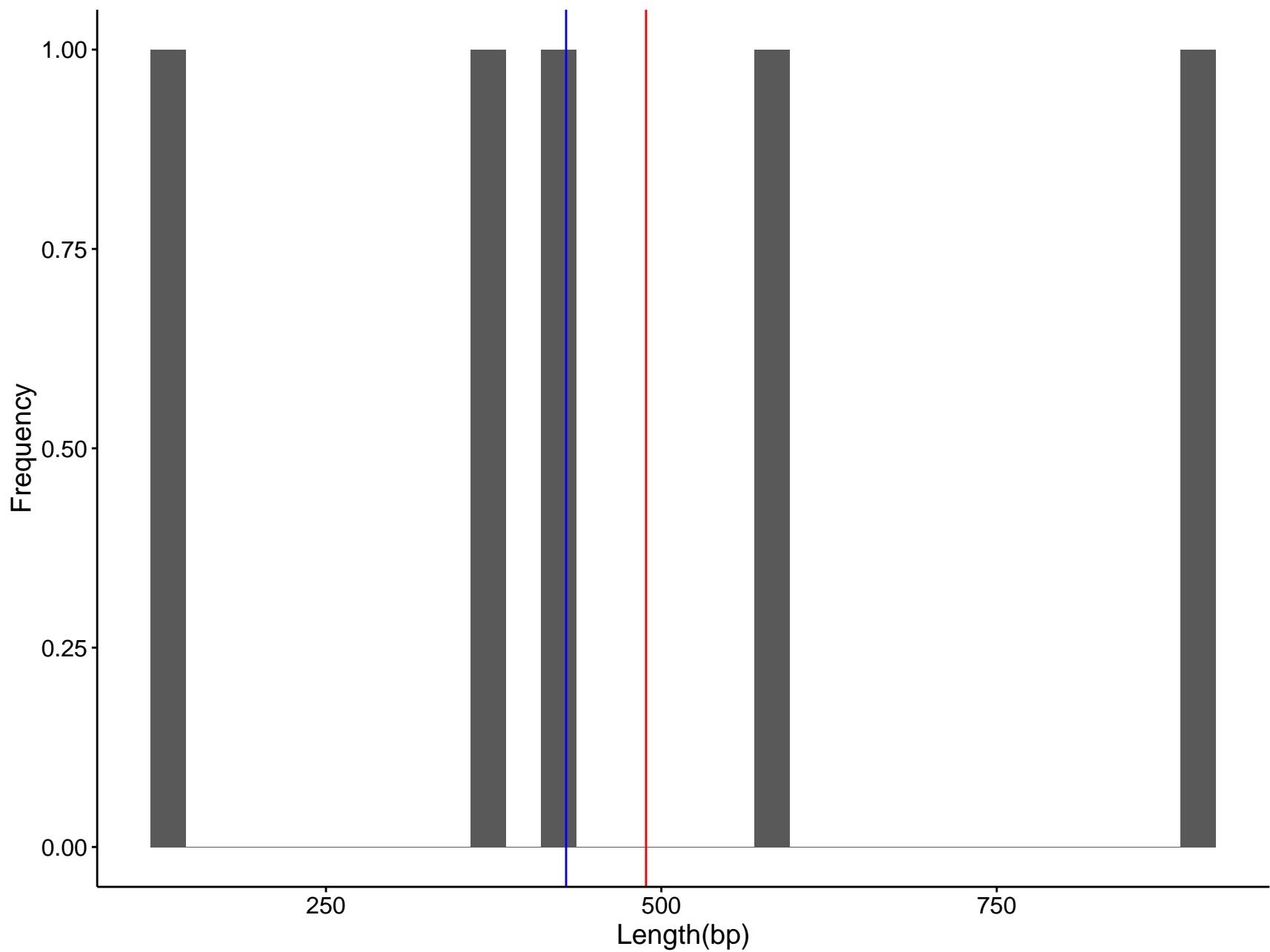
283.025

283.050

Length(bp)



Cluster219



# Cluster2200

Frequency

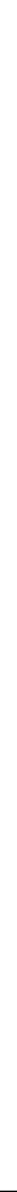
602.950

602.975

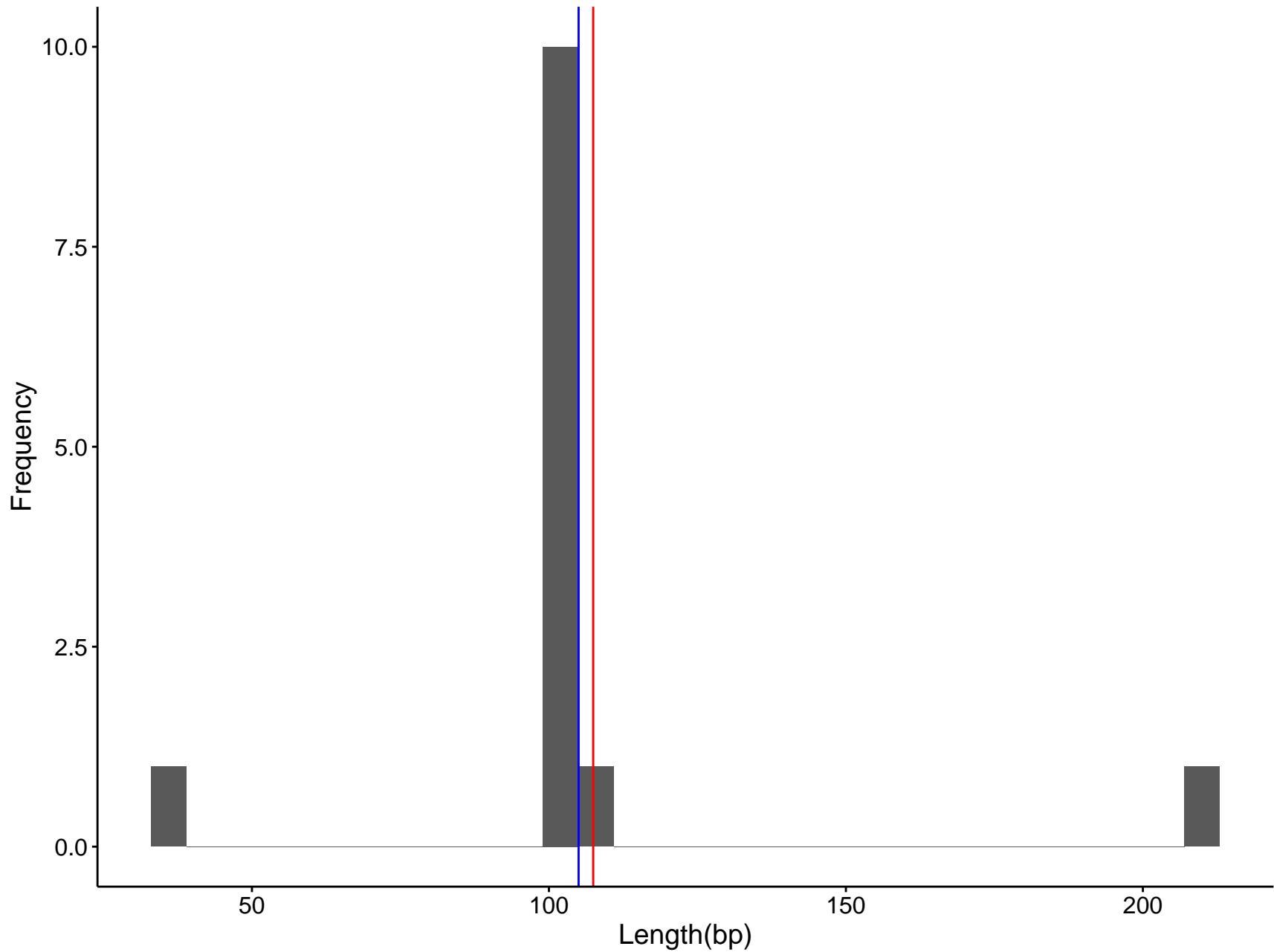
603.000

603.025

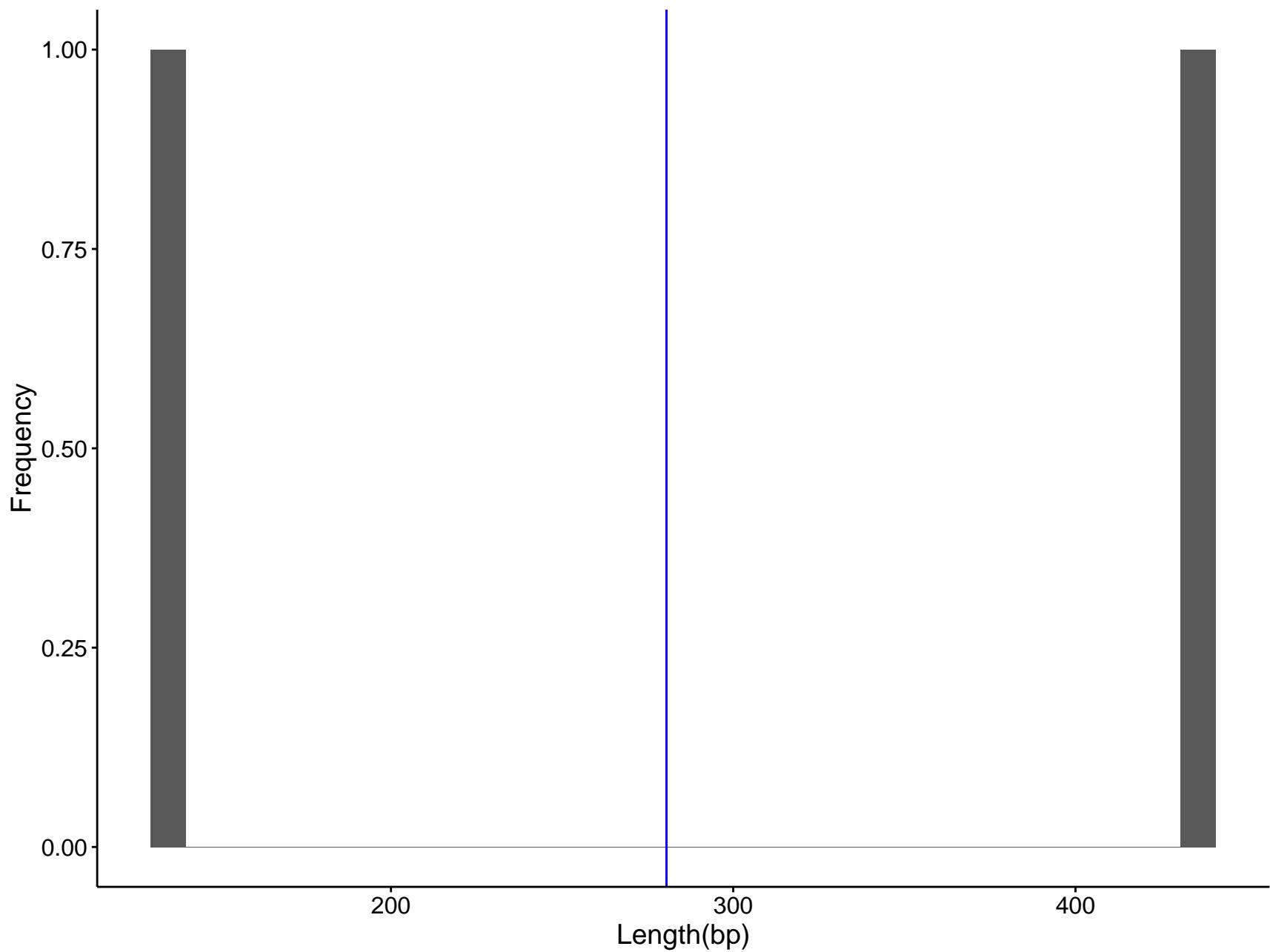
Length(bp)



Cluster2201



Cluster2202



Cluster2203

Frequency

916.950

916.975

917.000

917.025

Length(bp)



Cluster2204

Frequency

76.950

76.975

77.000

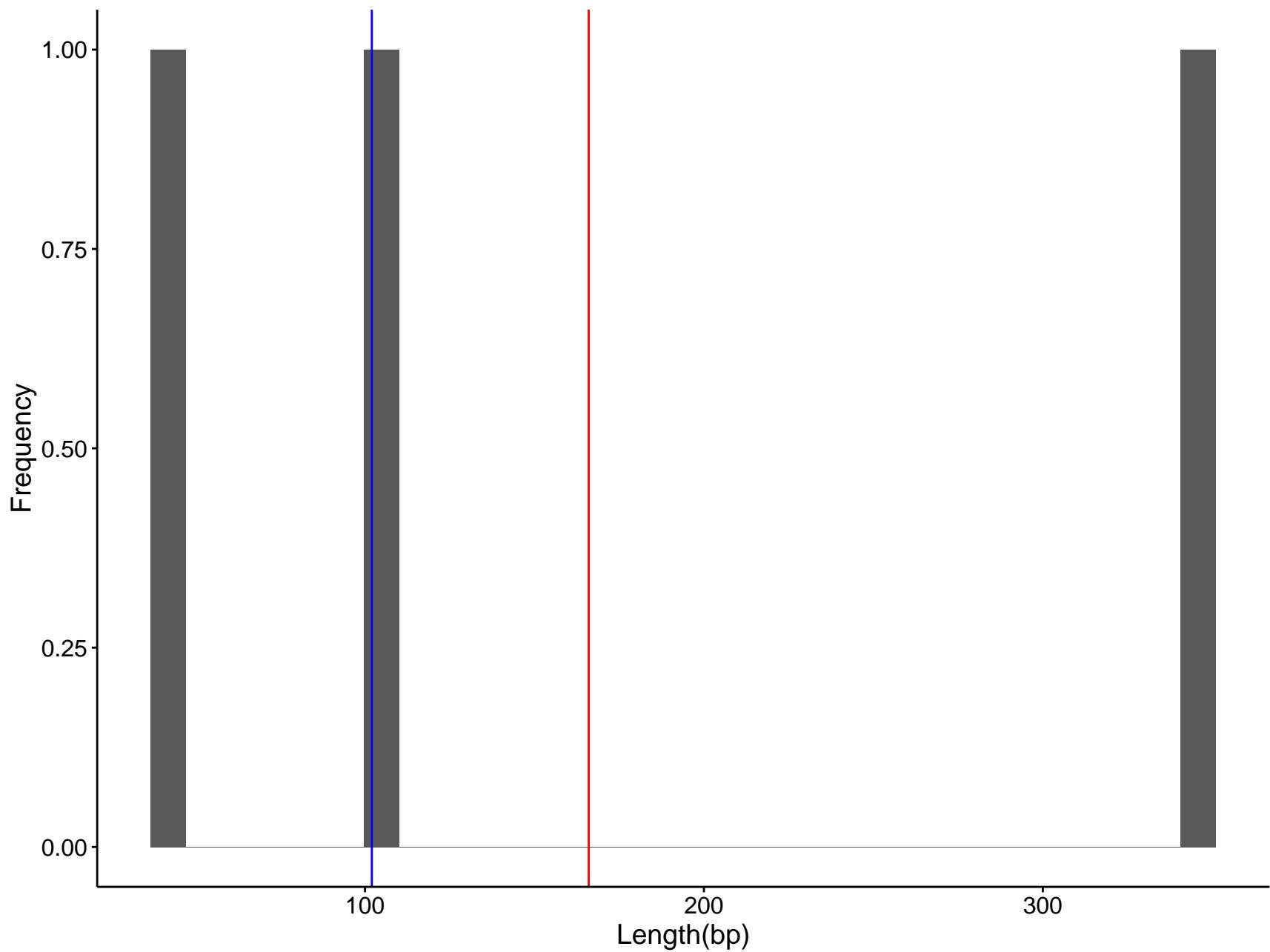
77.025

77.0

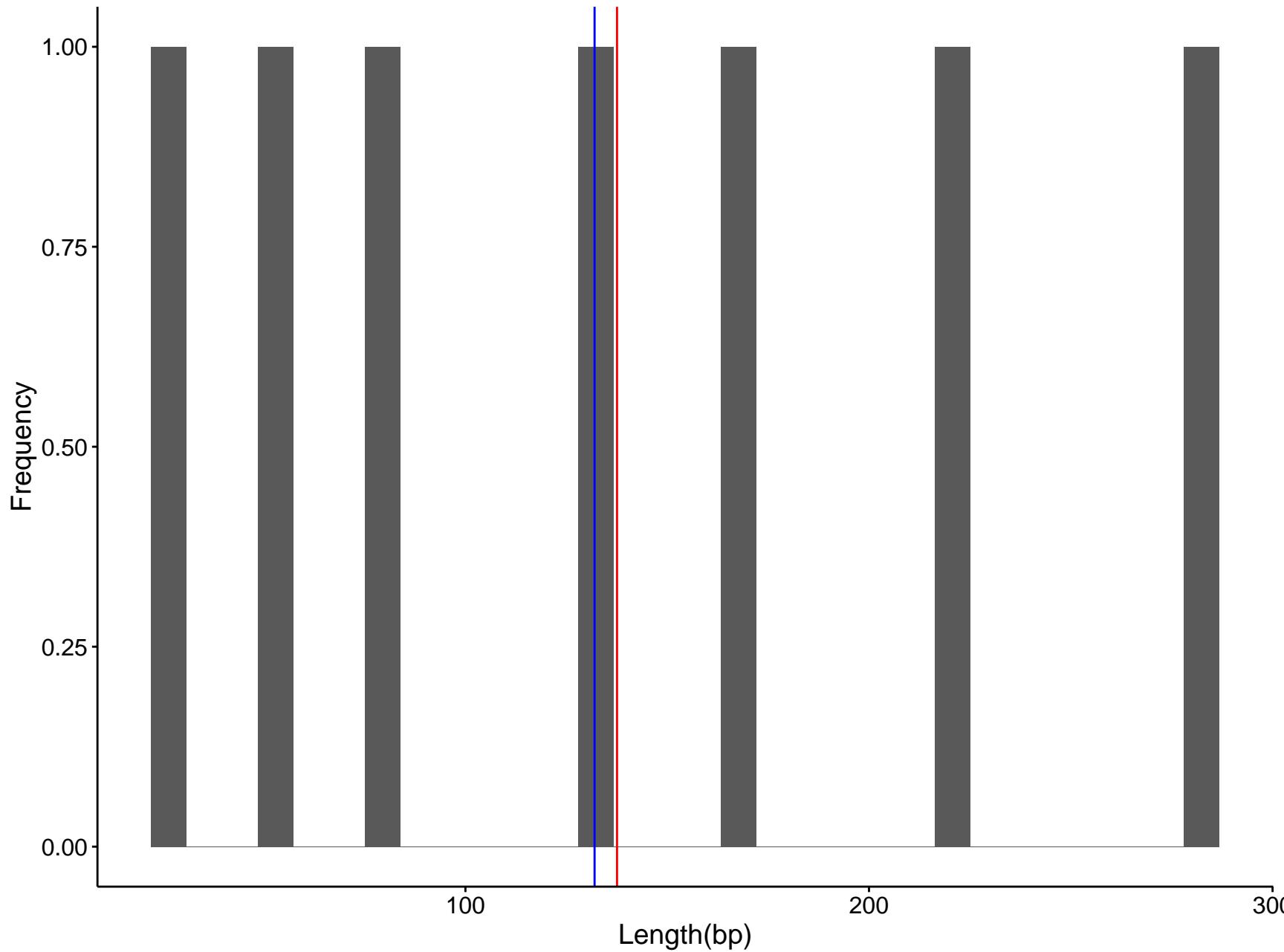
Length(bp)



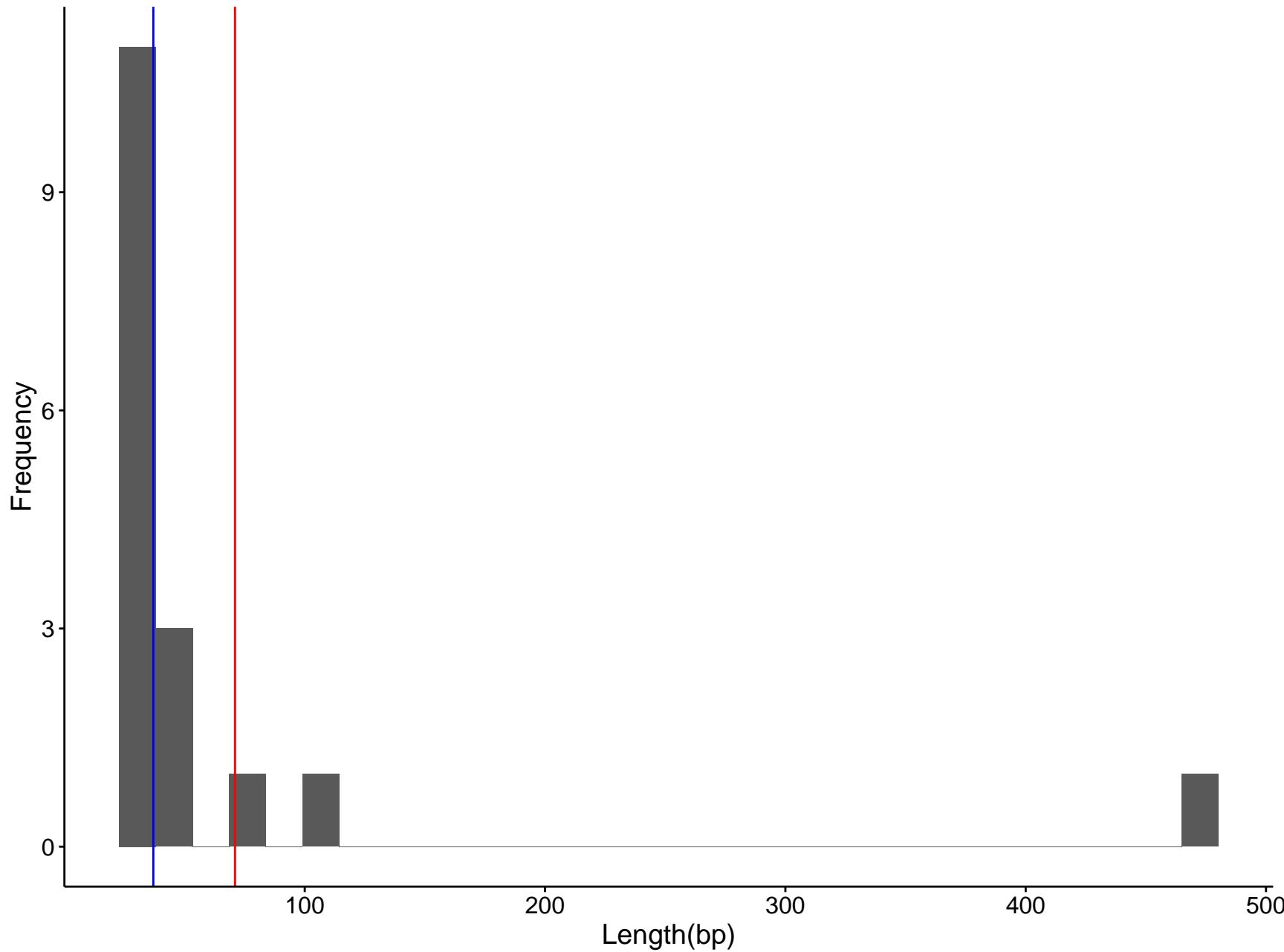
Cluster2207



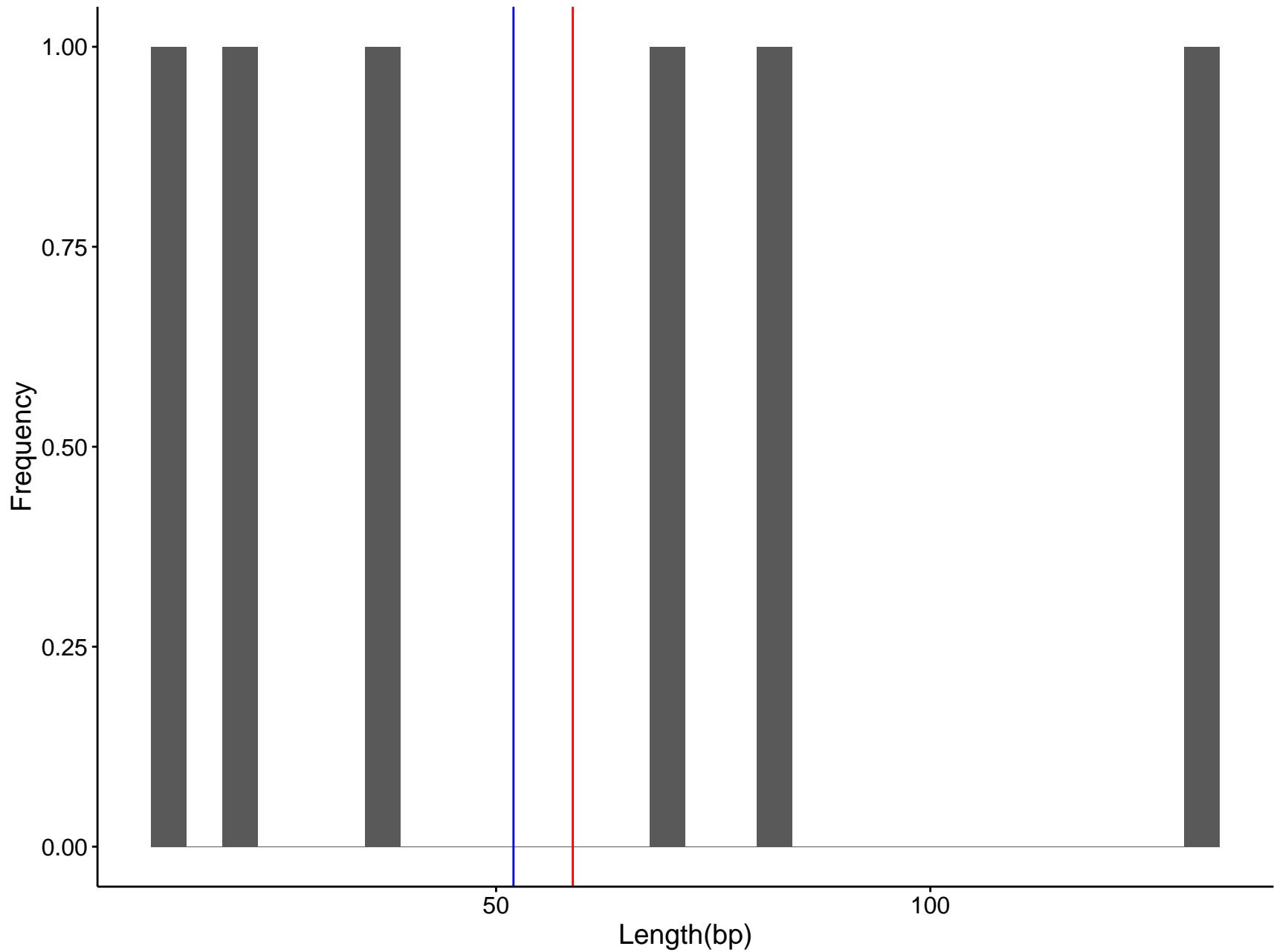
Cluster220



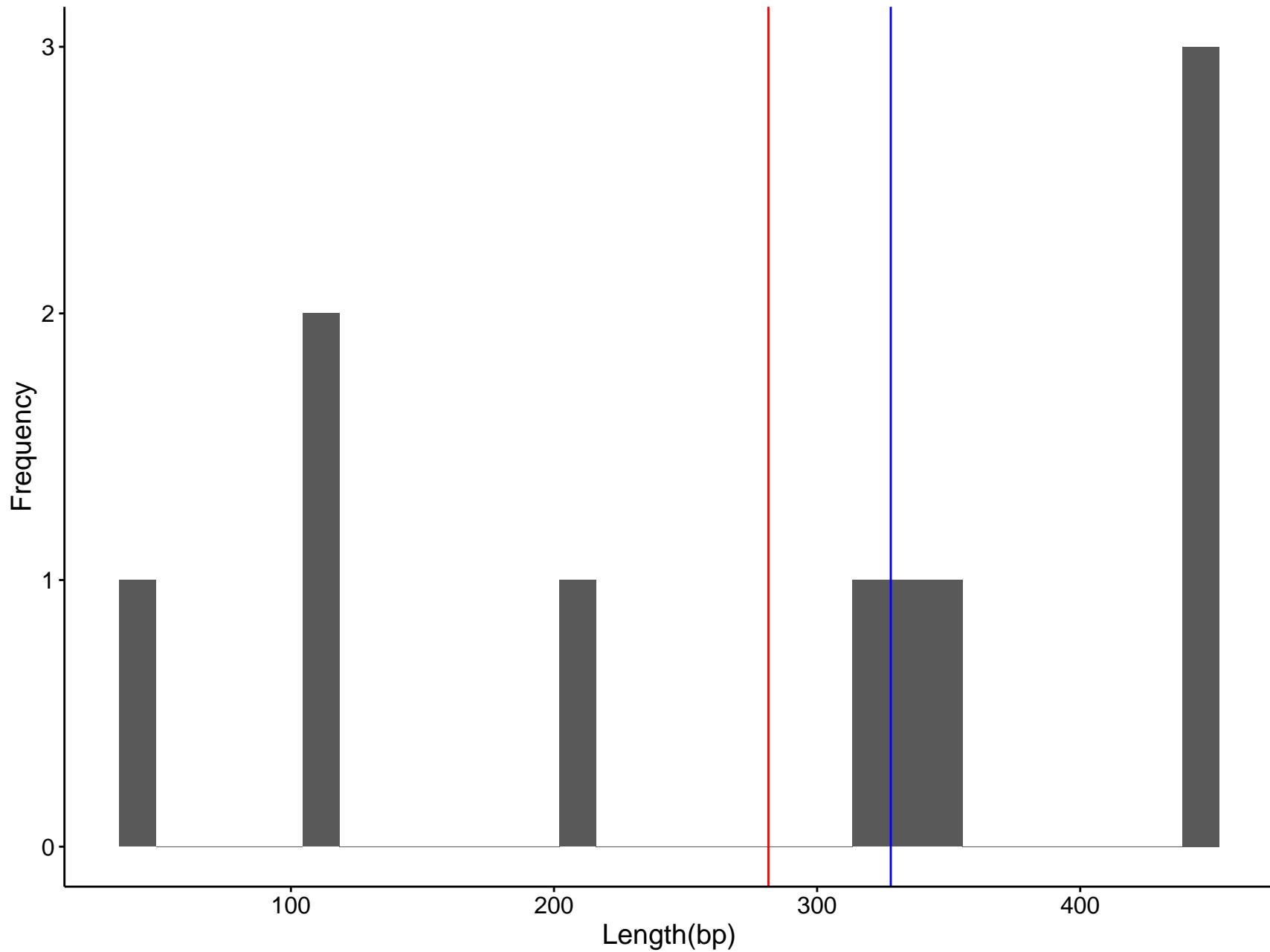
Cluster2210



Cluster2212



Cluster2213



Cluster2214

Frequency

991.950

991.975

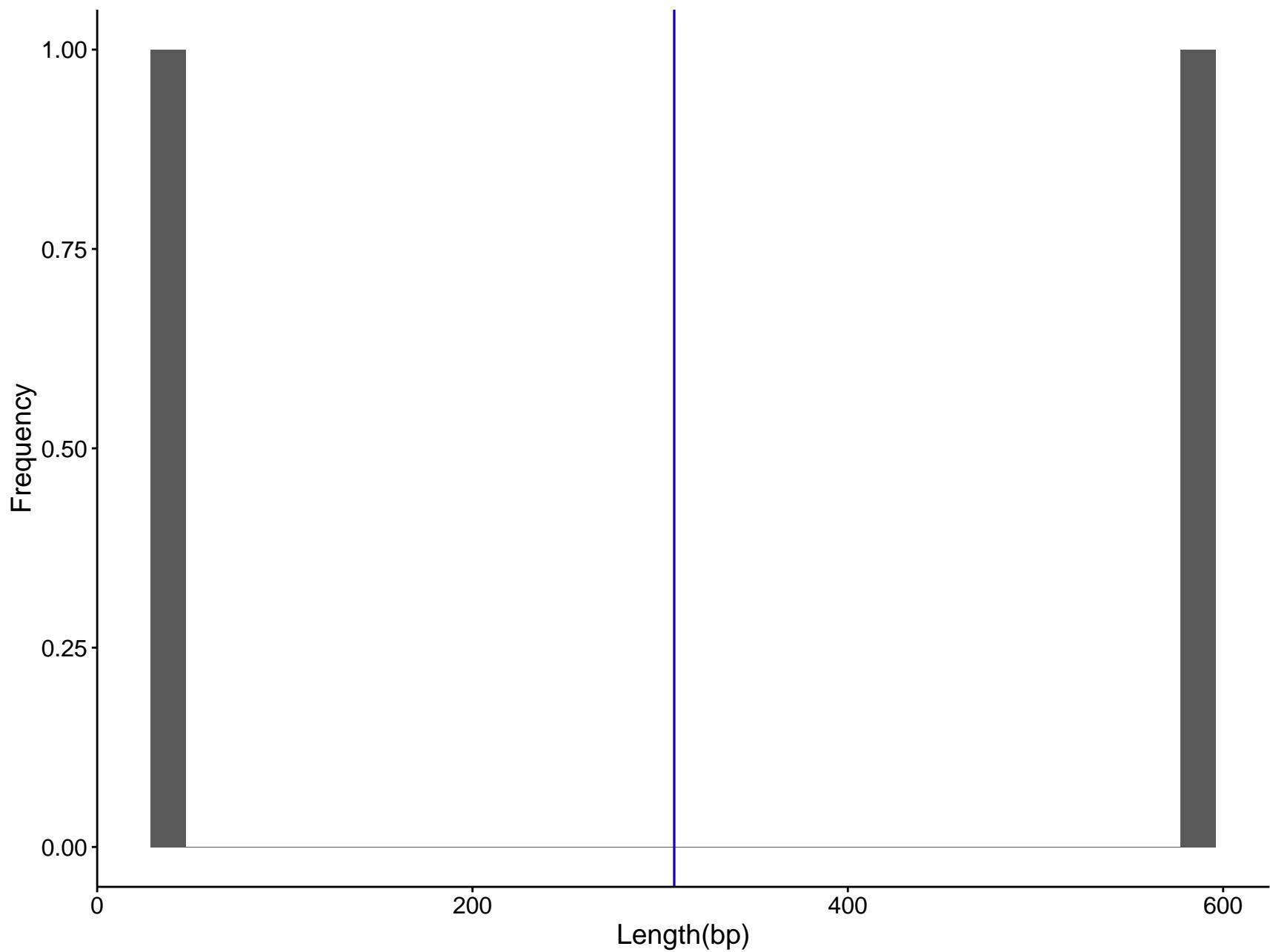
992.000

992.025

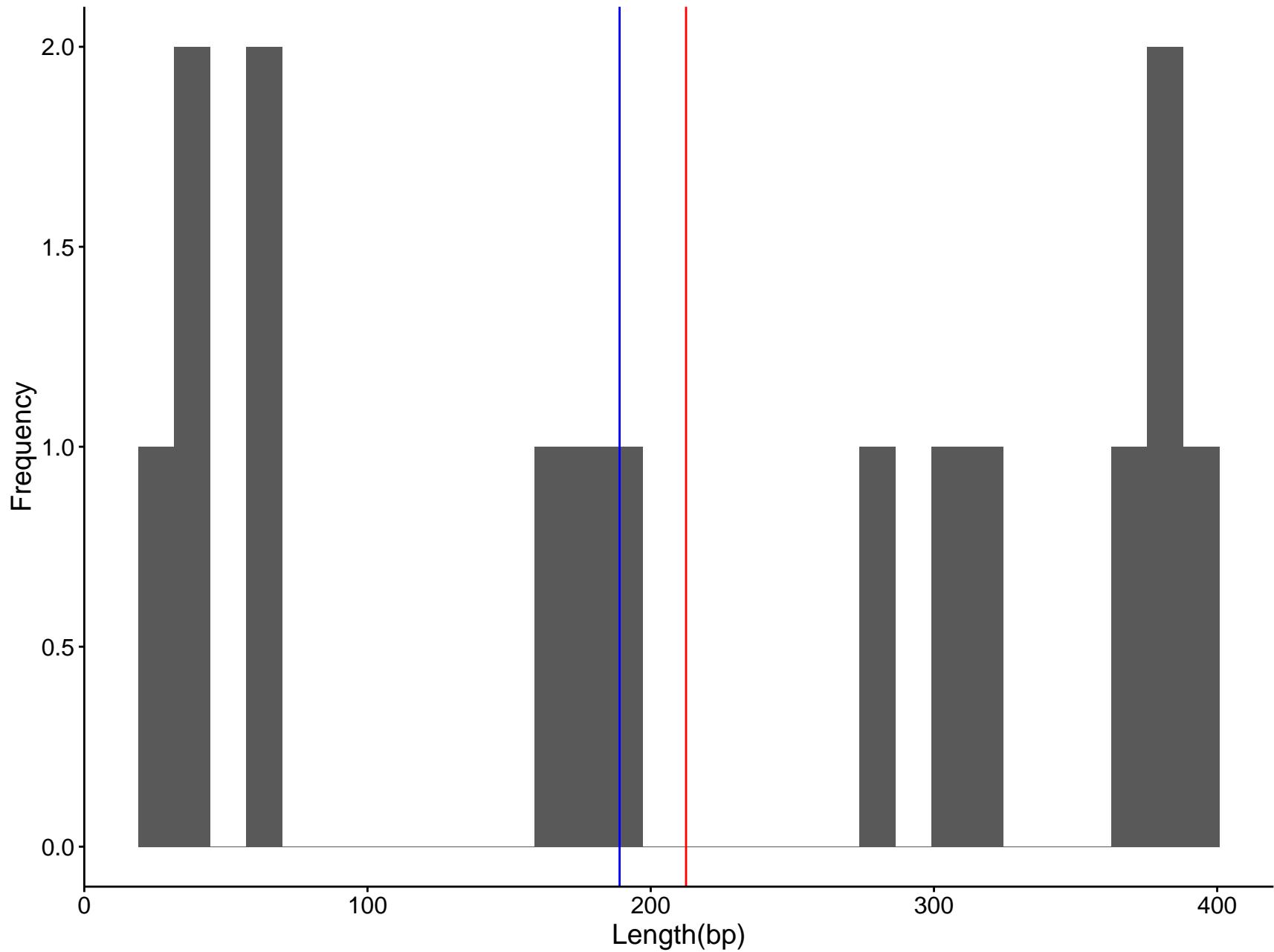
Length(bp)



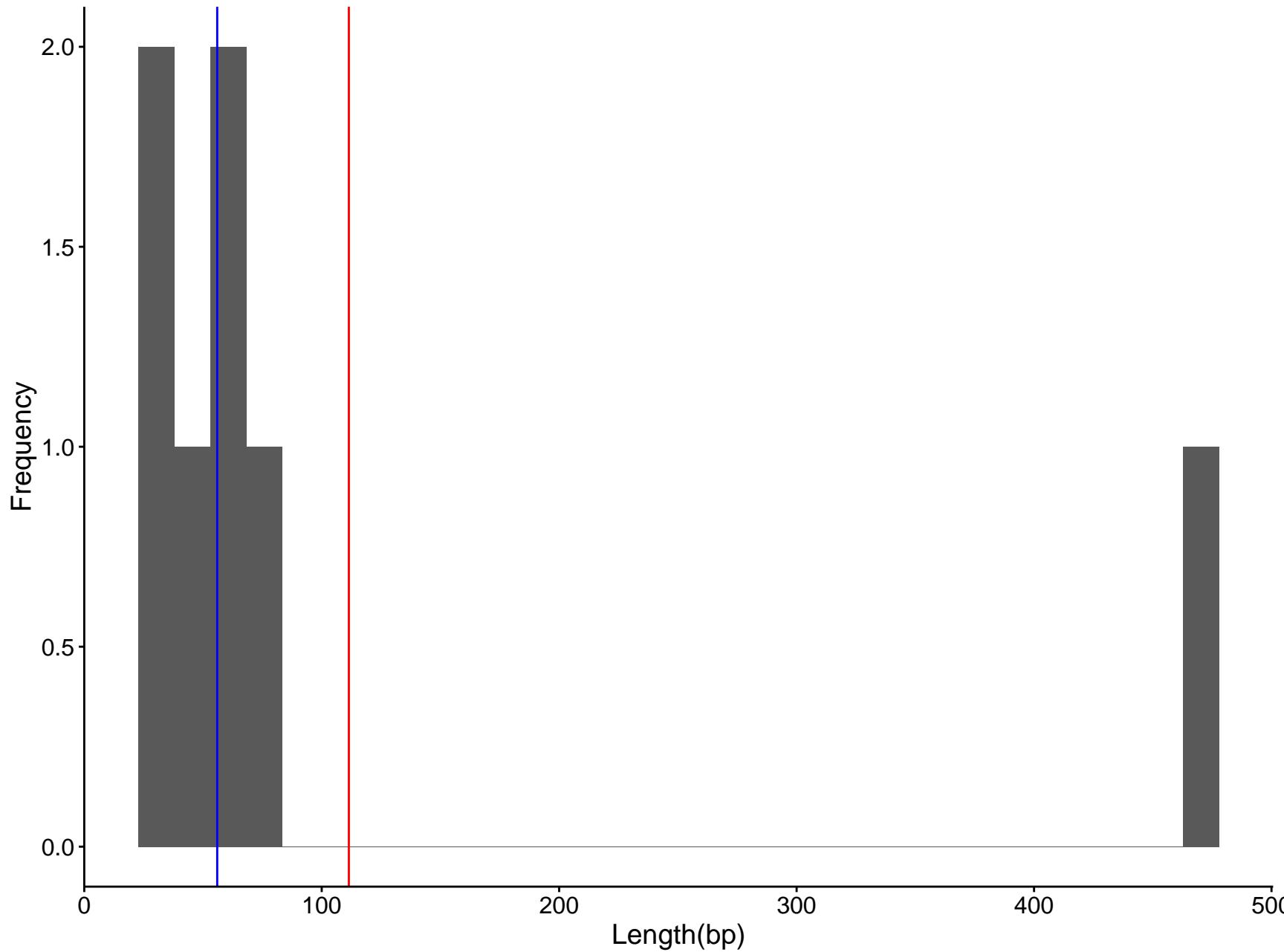
Cluster2216



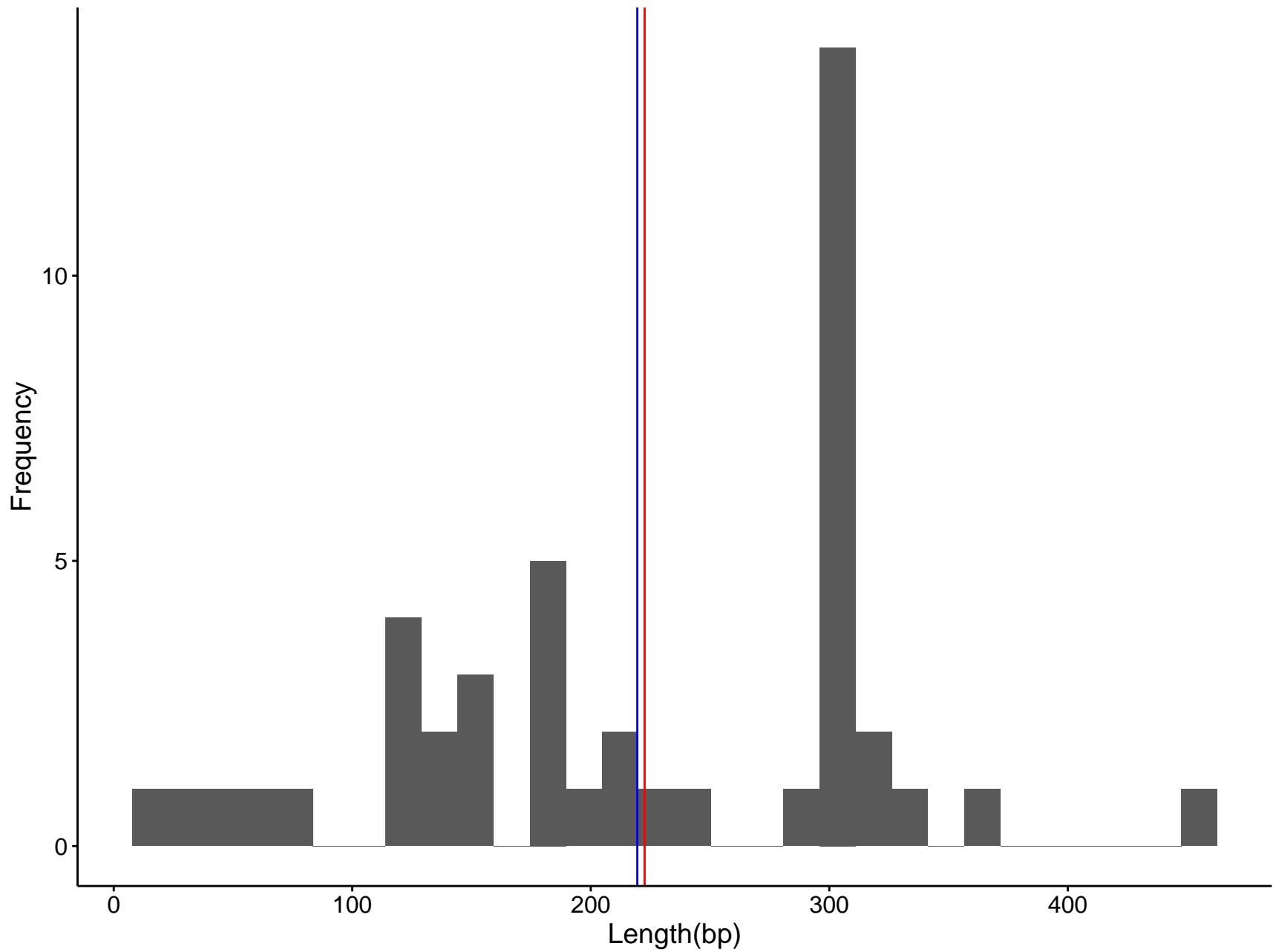
Cluster2217



Cluster2218



Cluster2219



Cluster2220

Frequency

749.950

749.975

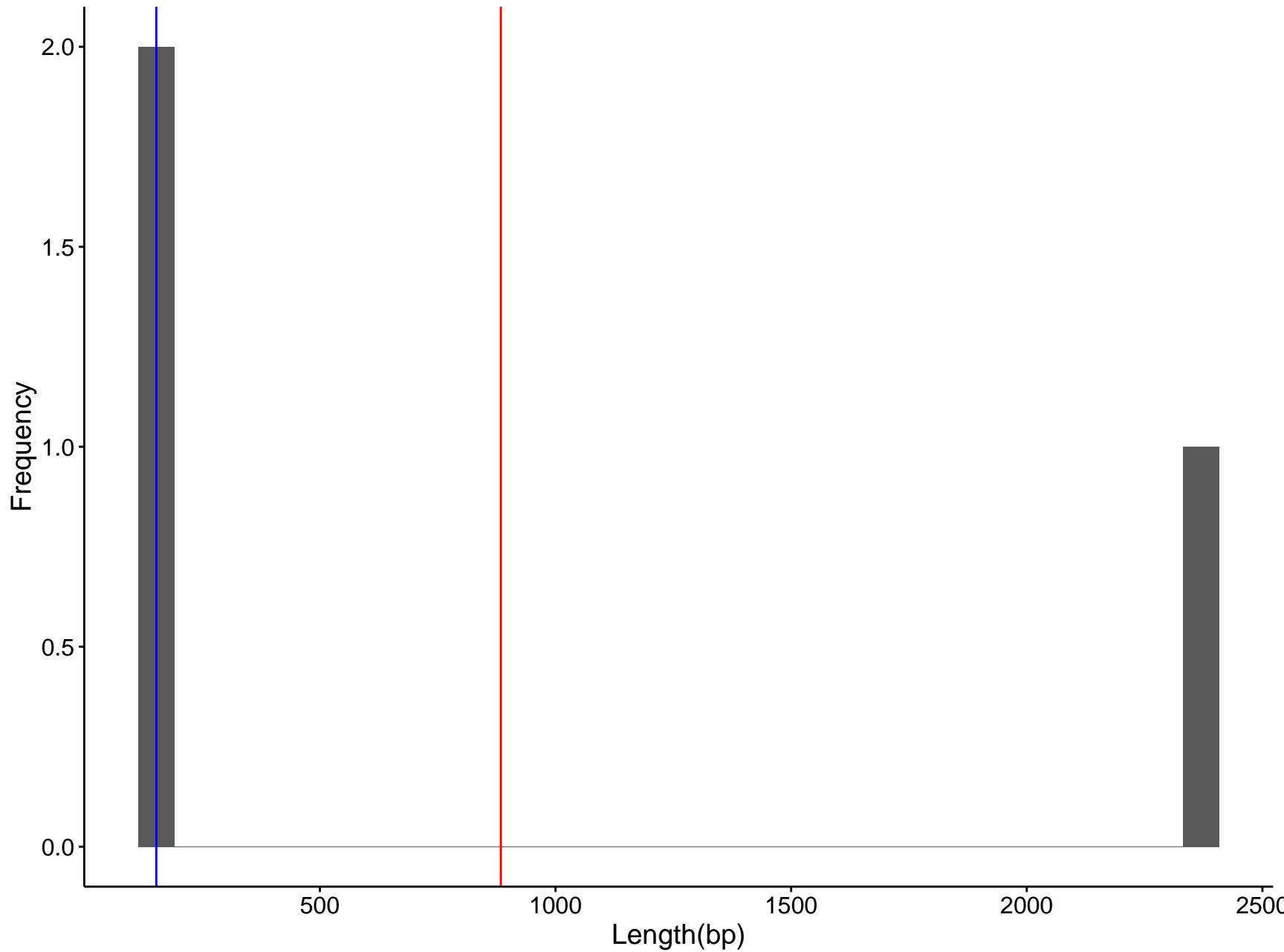
750.000

750.025

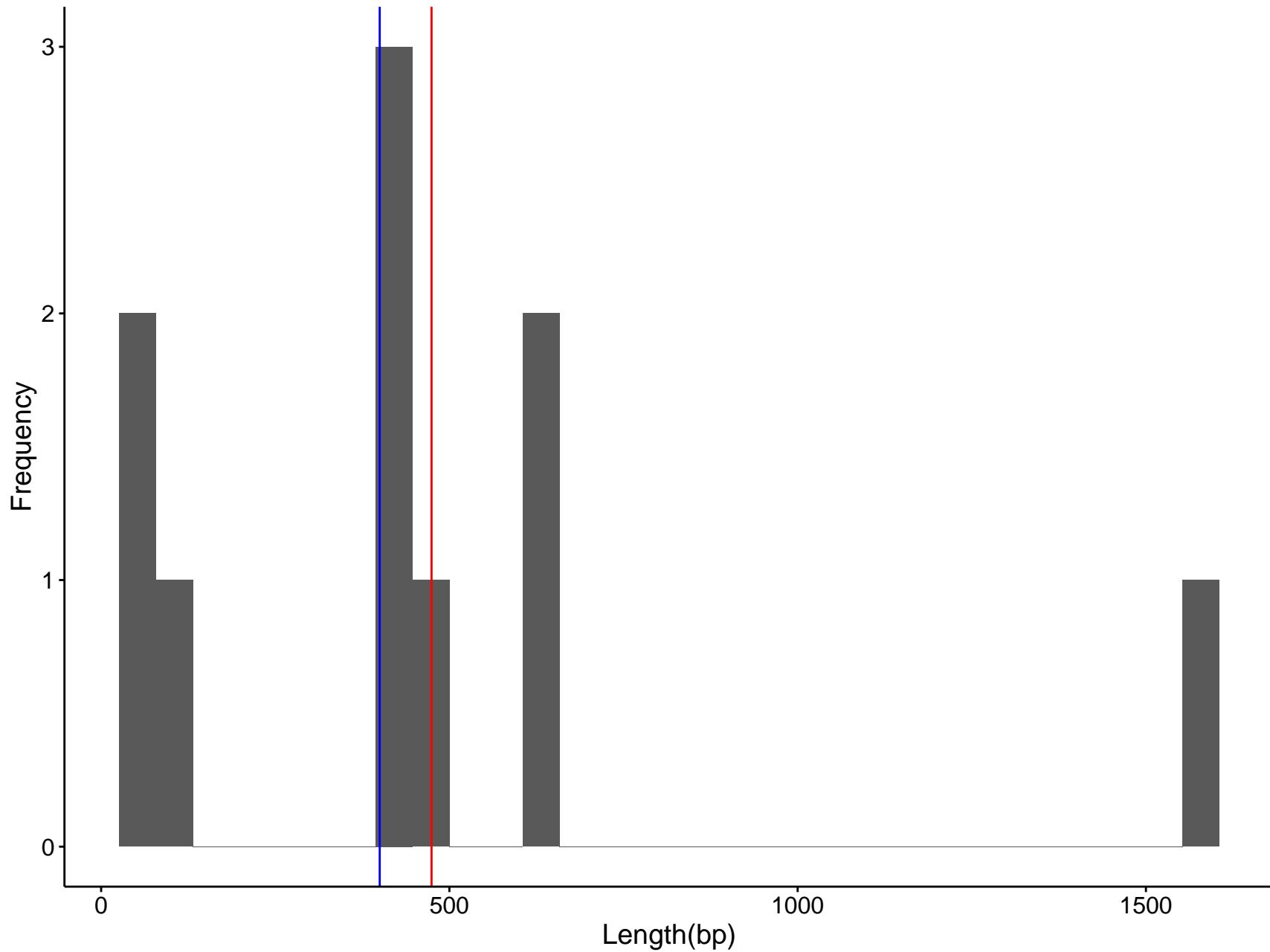
Length(bp)



Cluster2222



Cluster2224



Cluster2225

Frequency

138.950

138.975

139.000

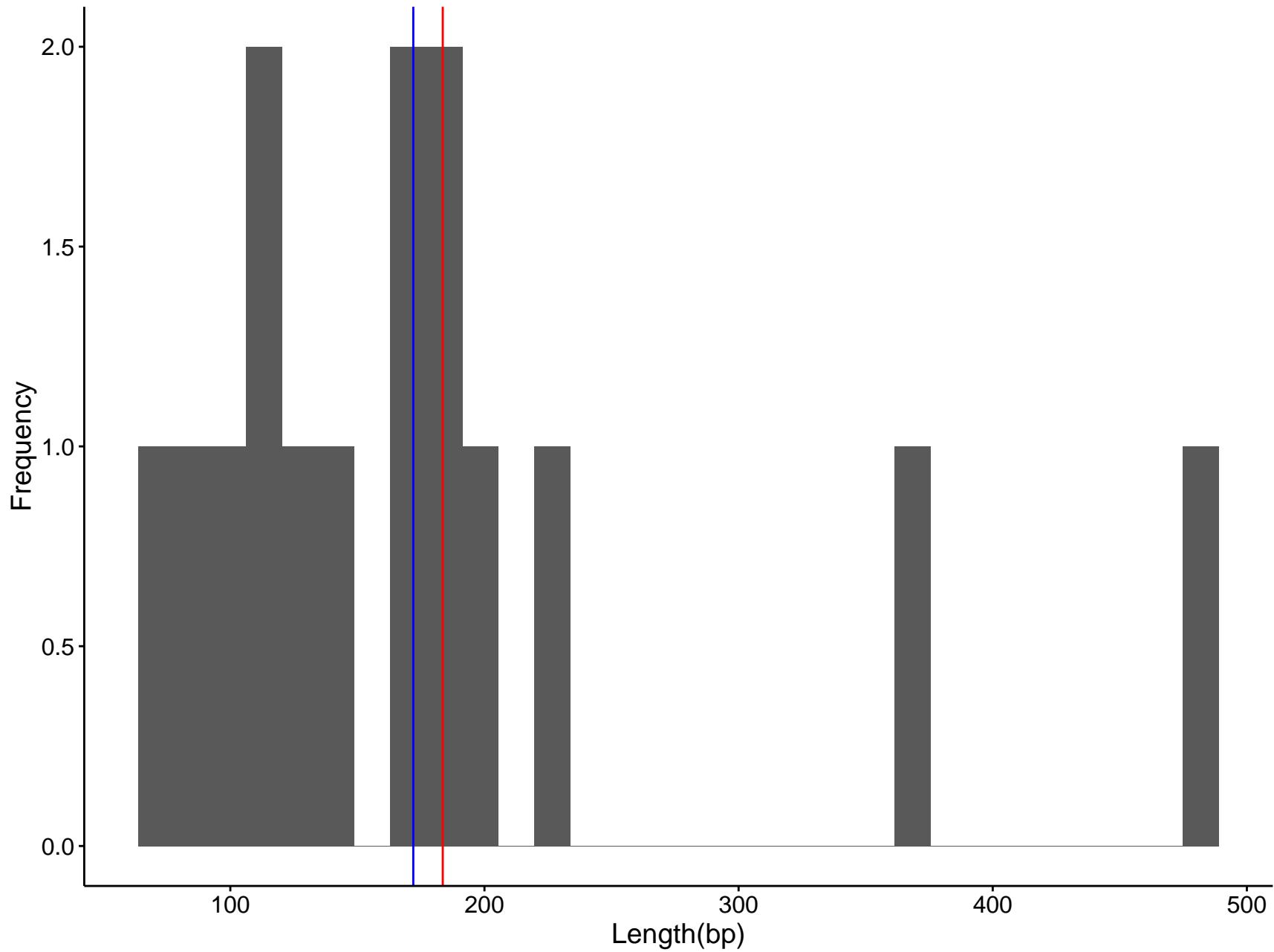
139.025

139.050

Length(bp)



Cluster2226



Cluster2228

Frequency

378.950

378.975

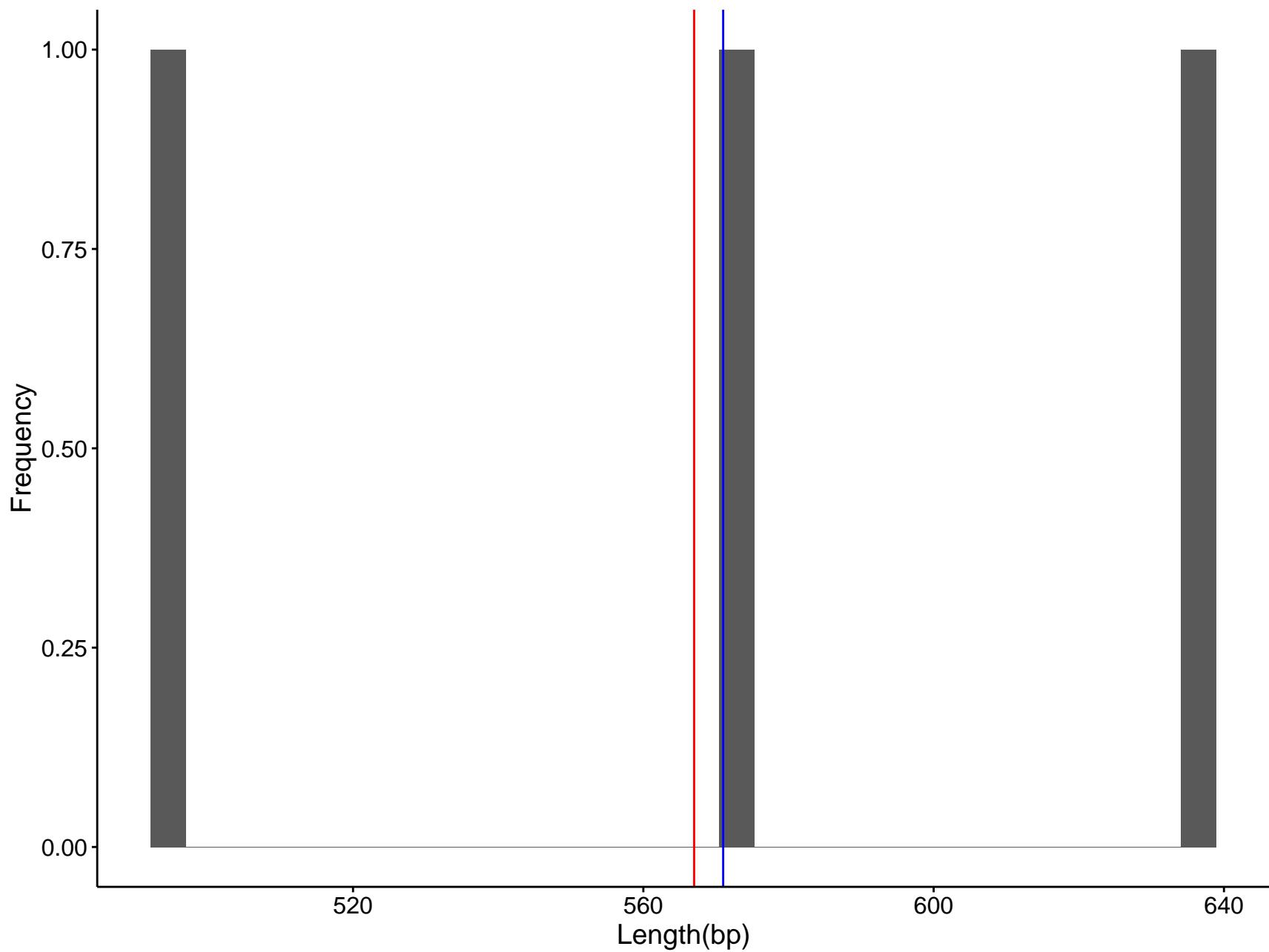
379.000

379.025

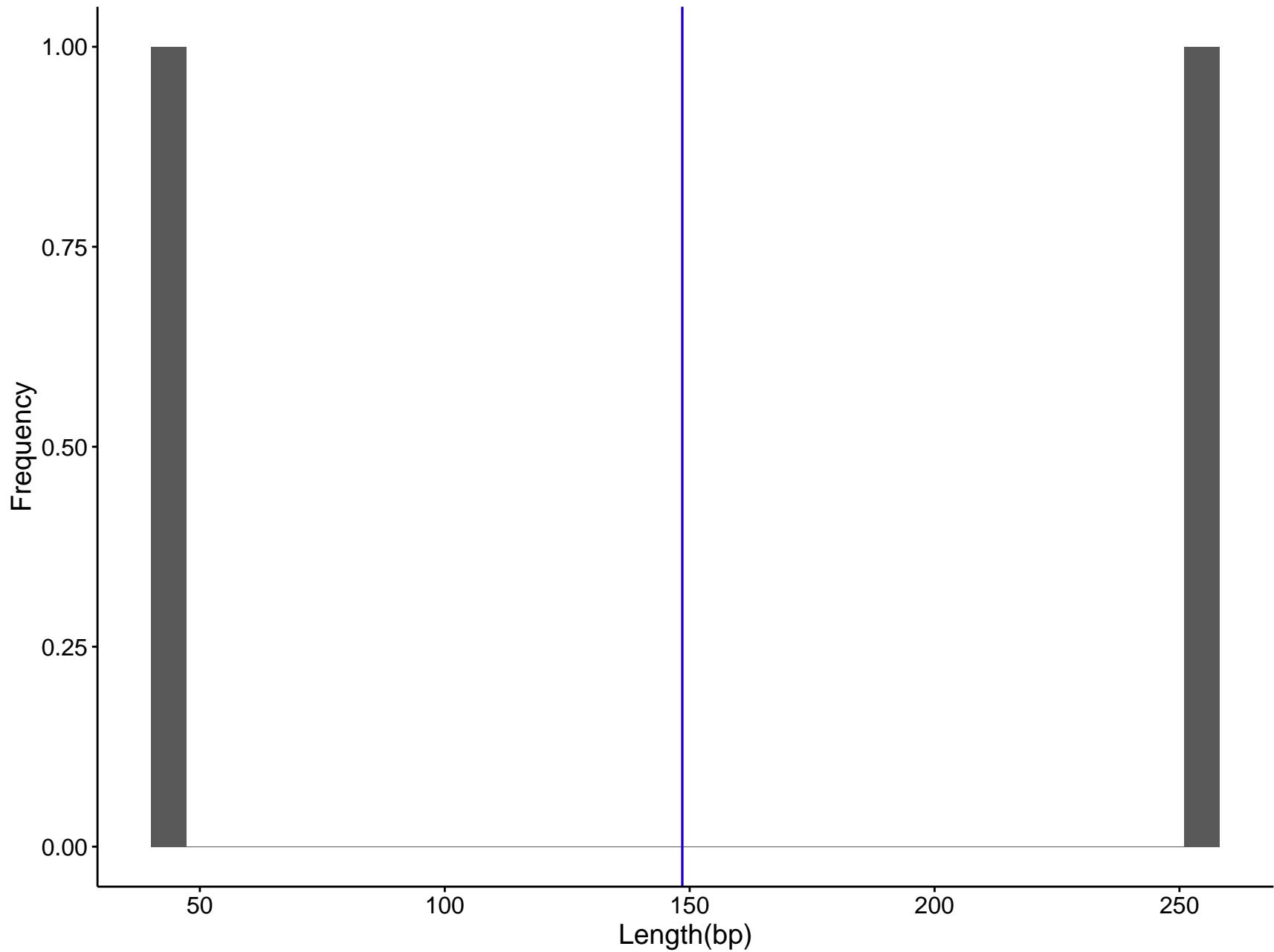
Length(bp)



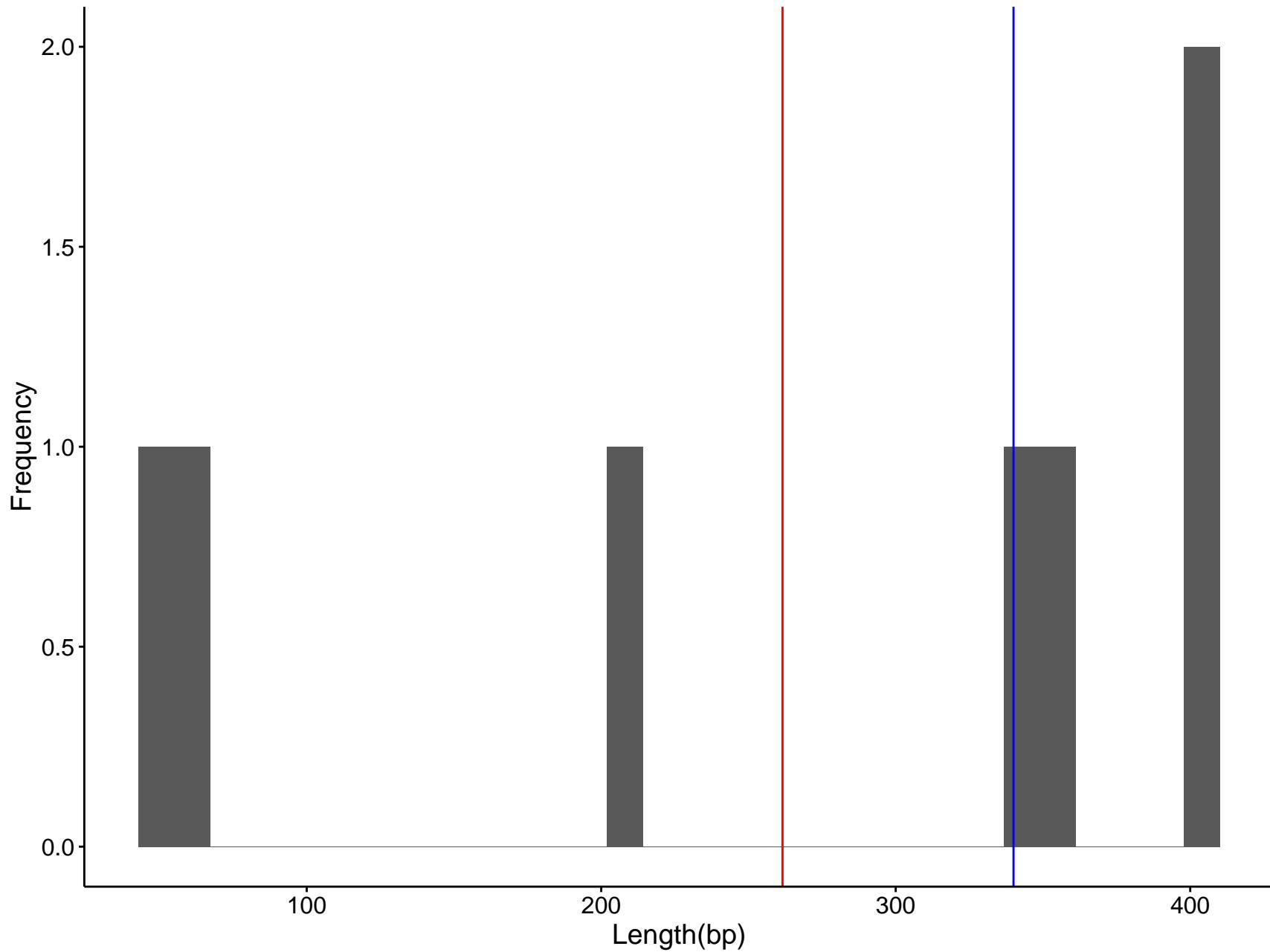
Cluster2229



Cluster222



Cluster2232



Cluster2233

Frequency

829.950

829.975

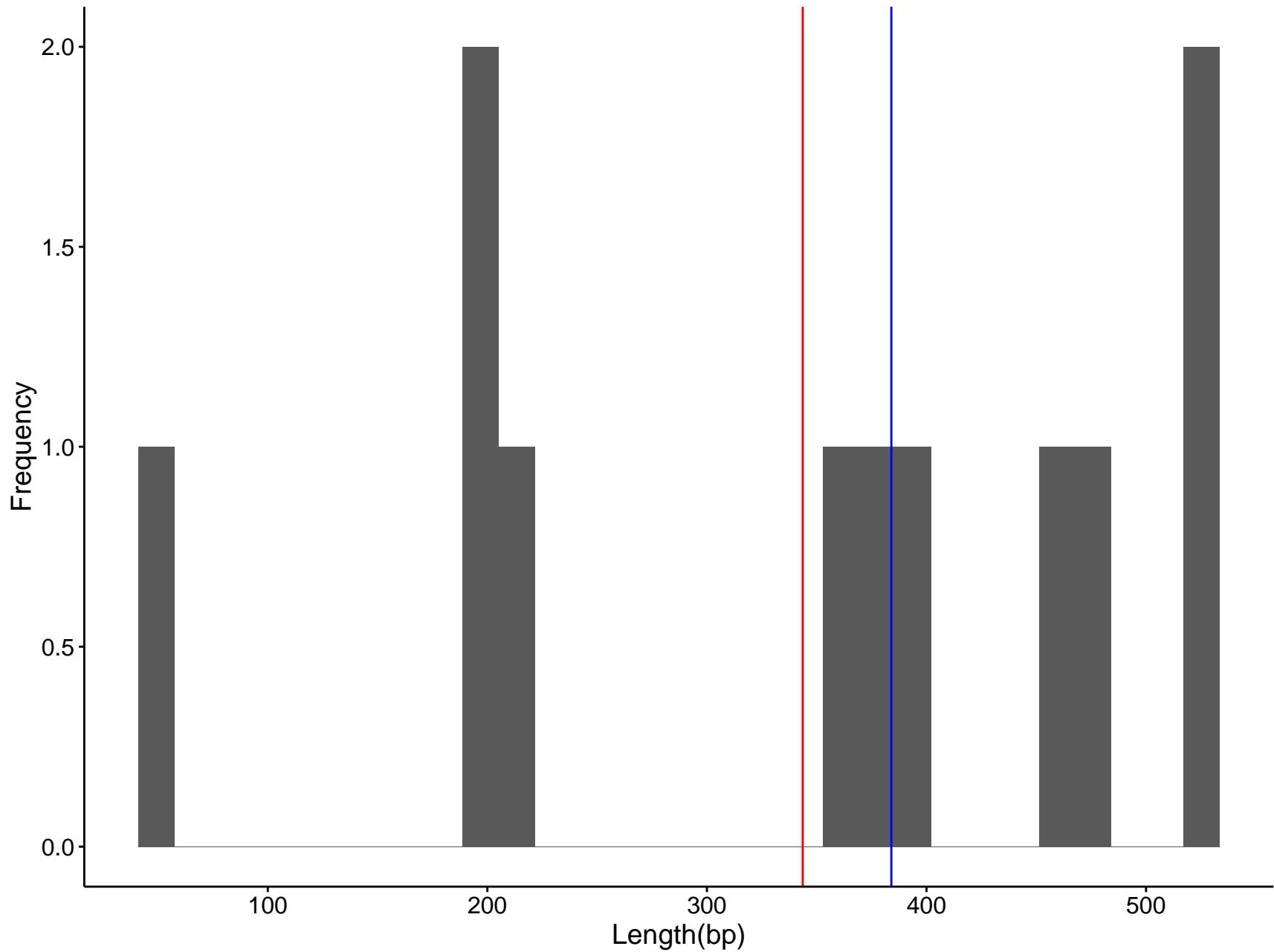
830.000

830.025

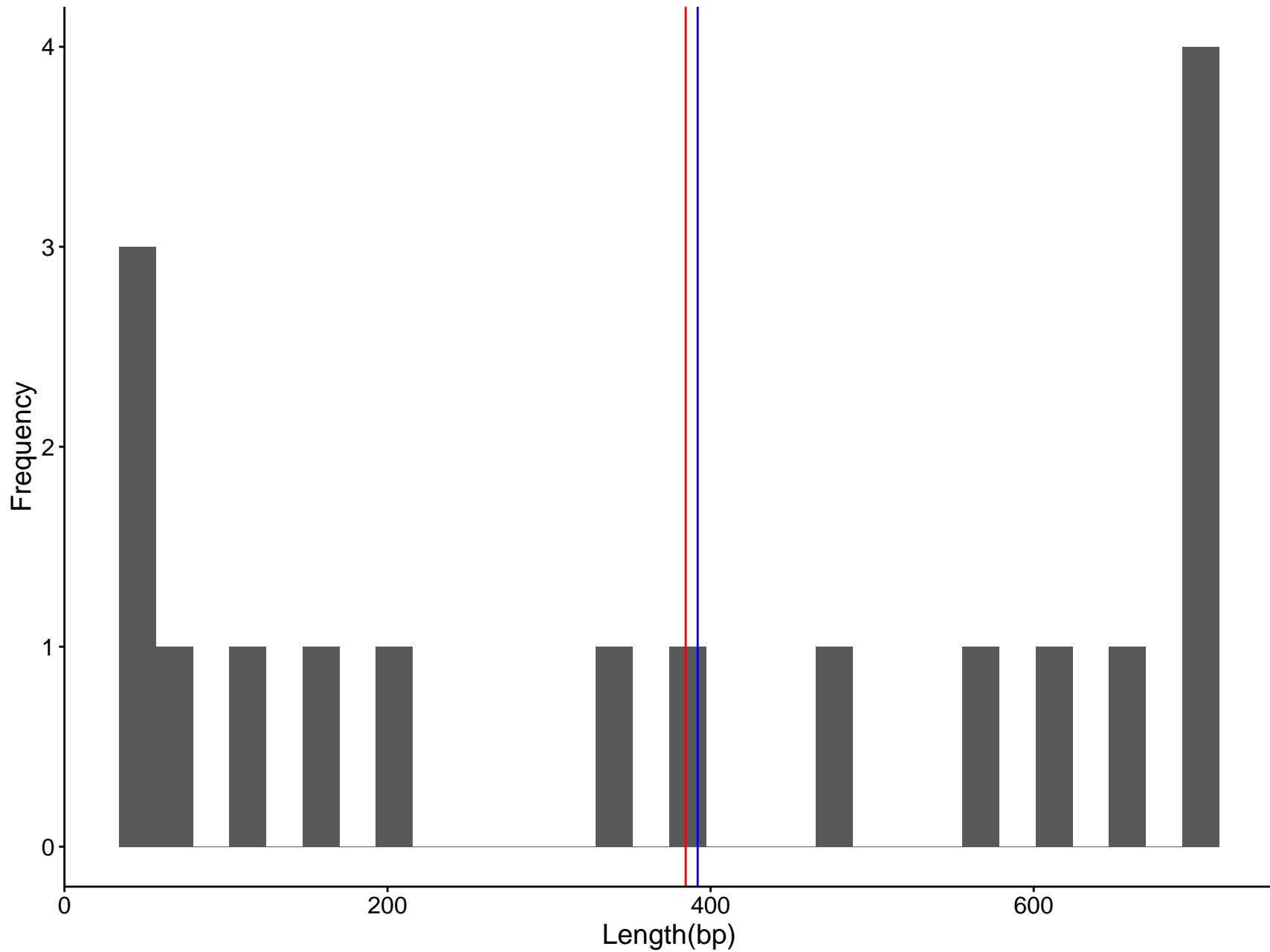
Length(bp)



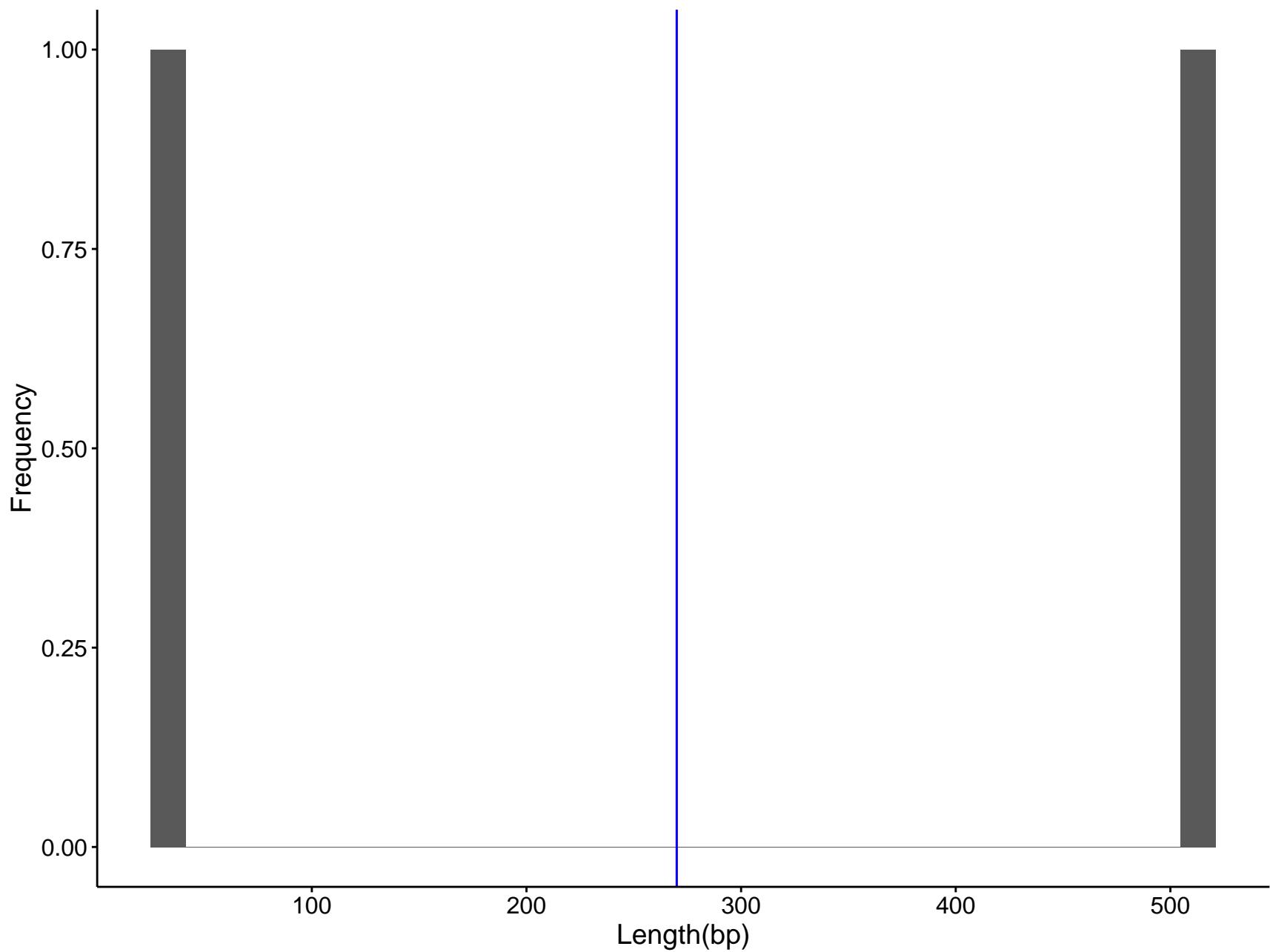
Cluster2234



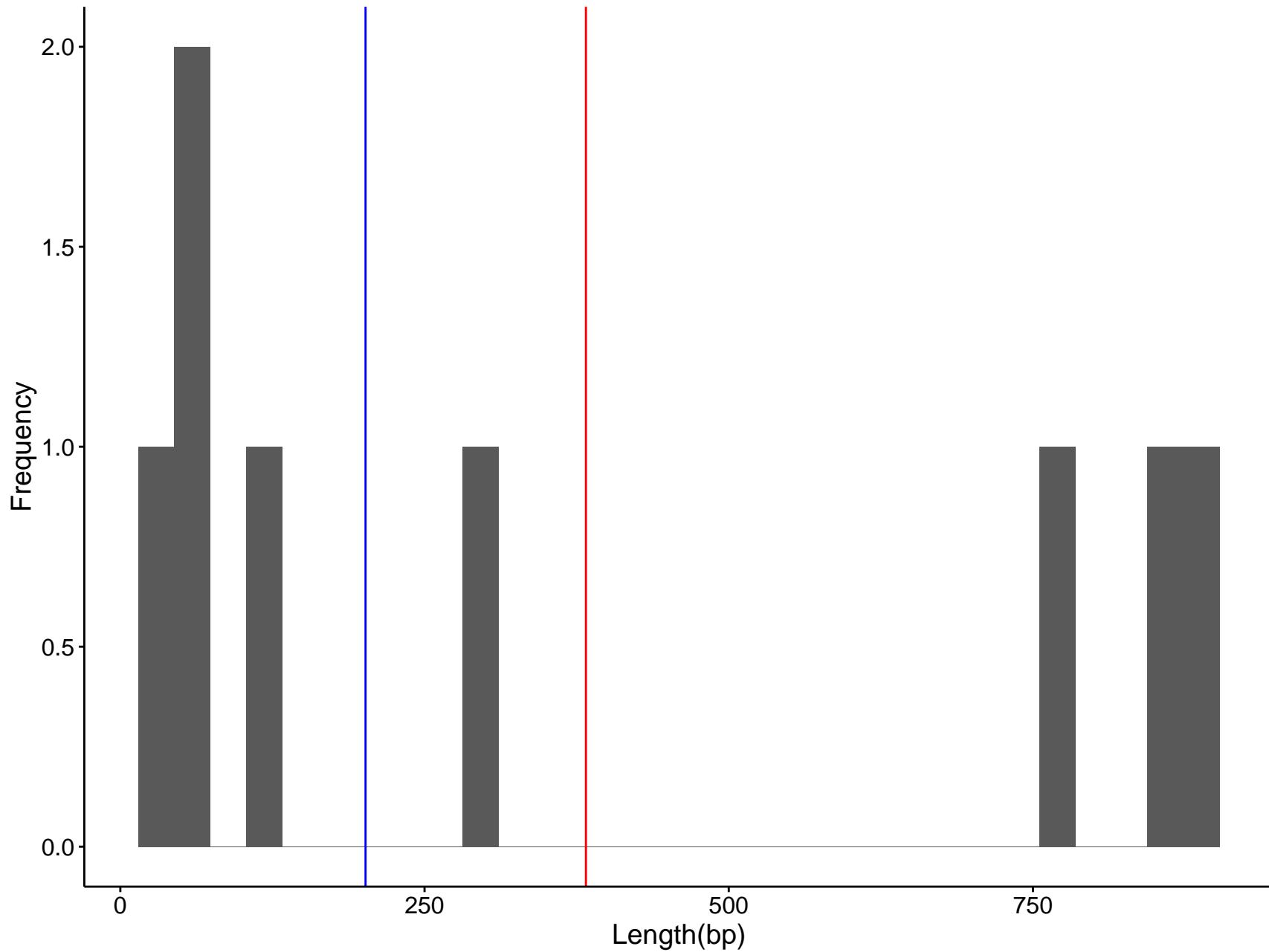
Cluster2235



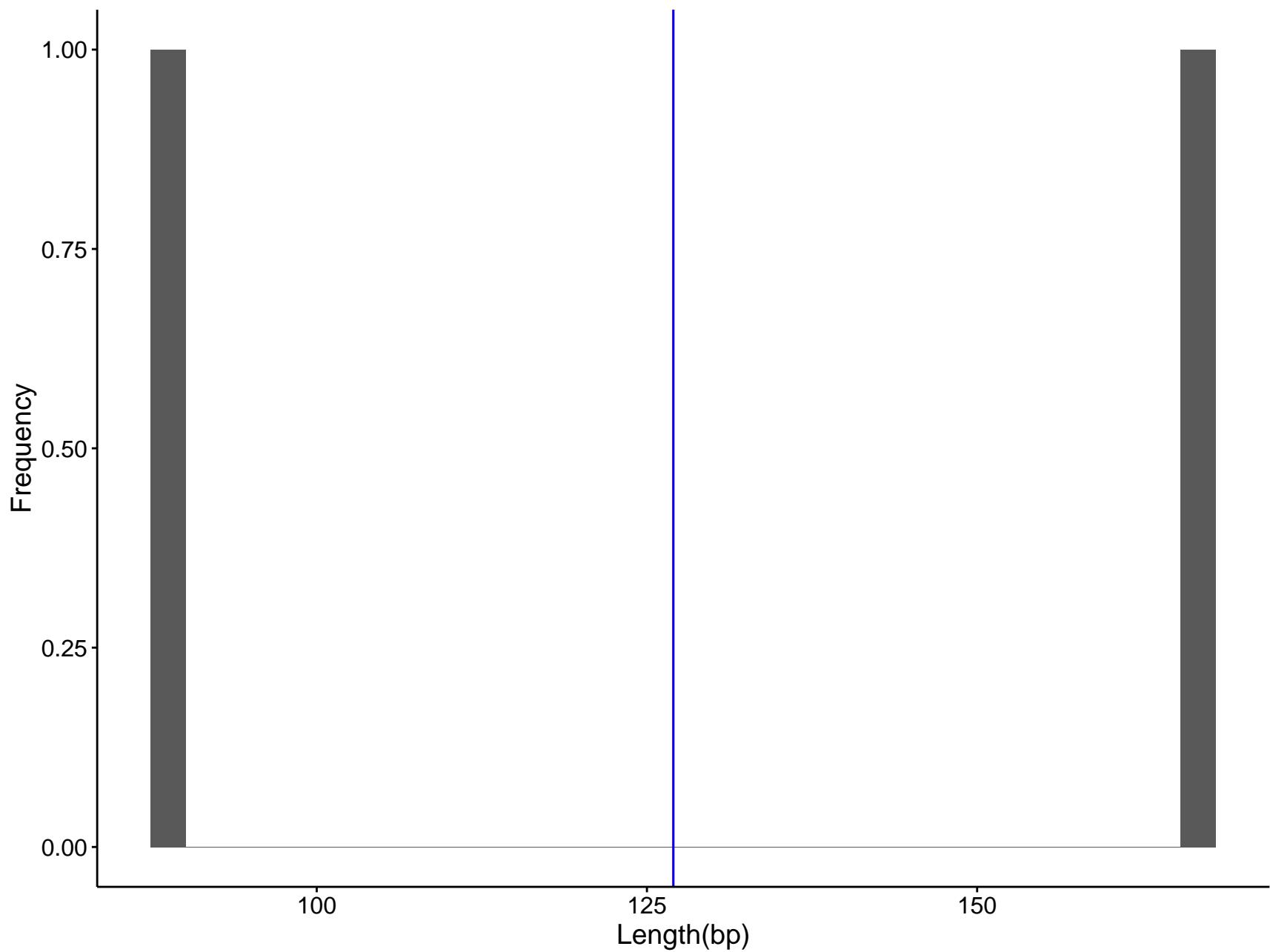
Cluster2236



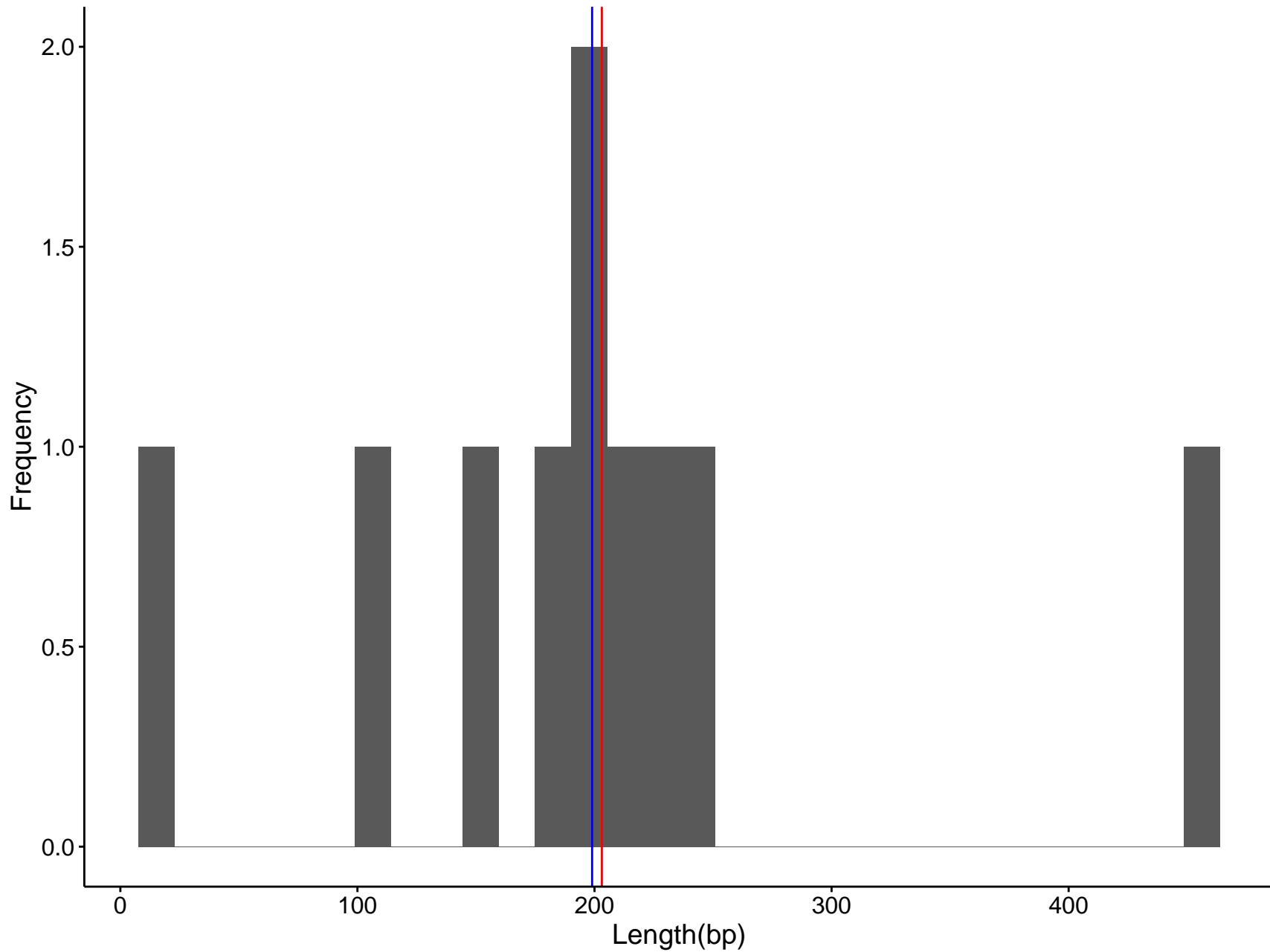
Cluster2237



Cluster2239



Cluster223



Cluster2240

Frequency

467.950

467.975

468.000

468.025

Length(bp)



# Cluster2242

Frequency

159.950

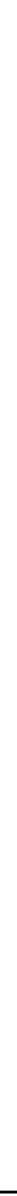
159.975

160.000

160.025

160.0

Length(bp)



Cluster2243

Frequency

195.950

195.975

196.000

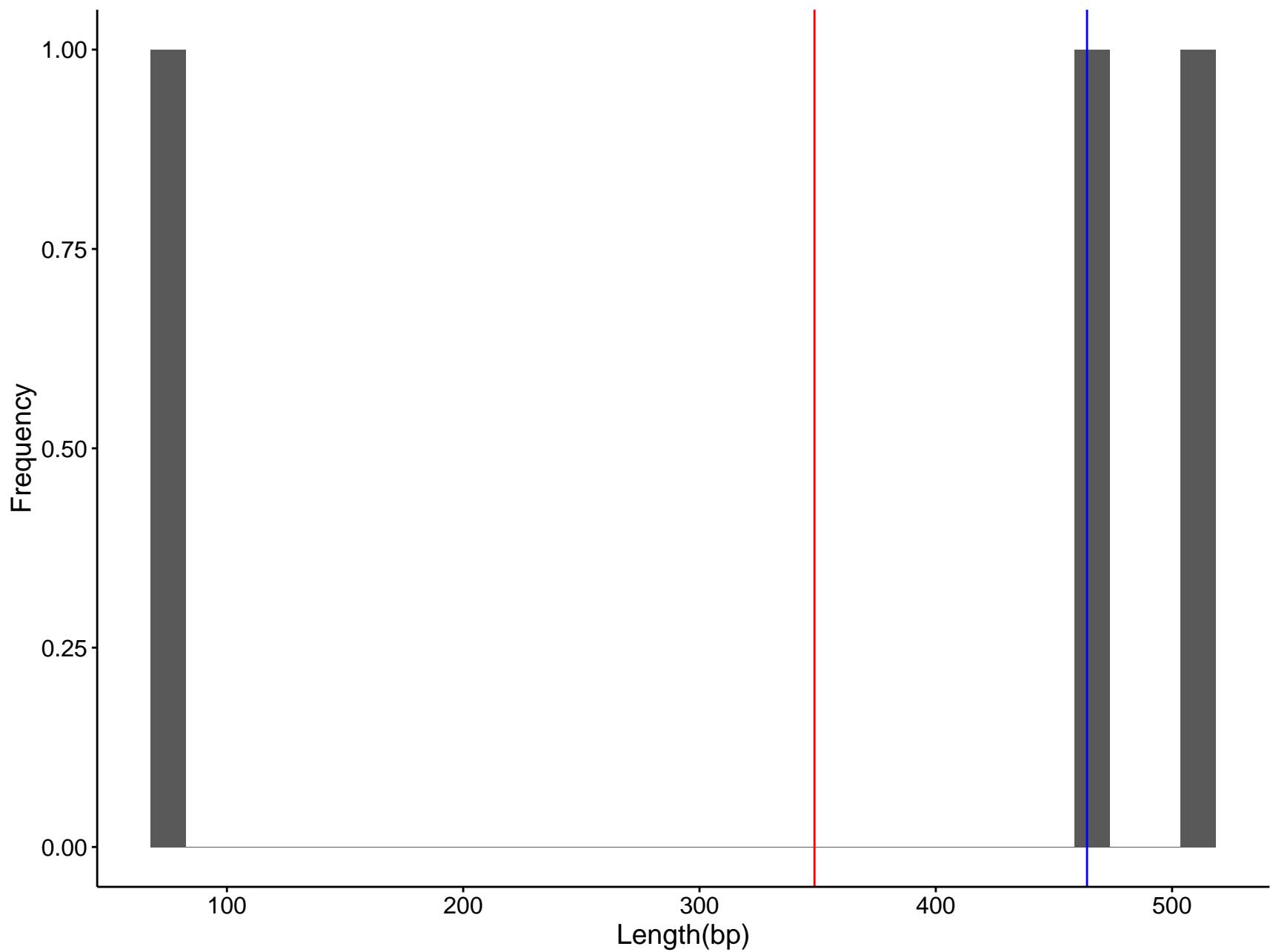
196.025

196.050

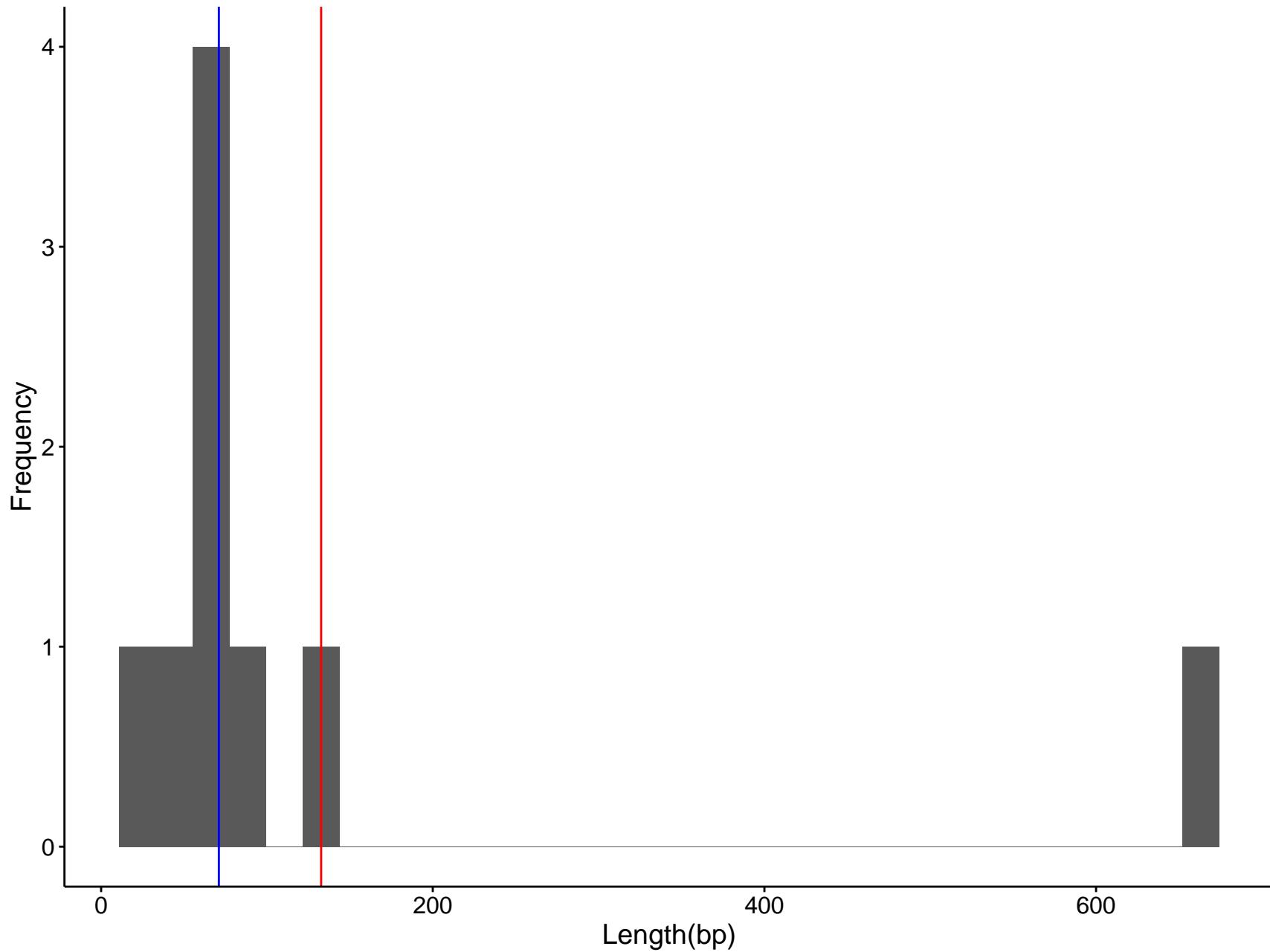
Length(bp)



Cluster2244



Cluster2245



Cluster2246

Frequency

861.950

861.975

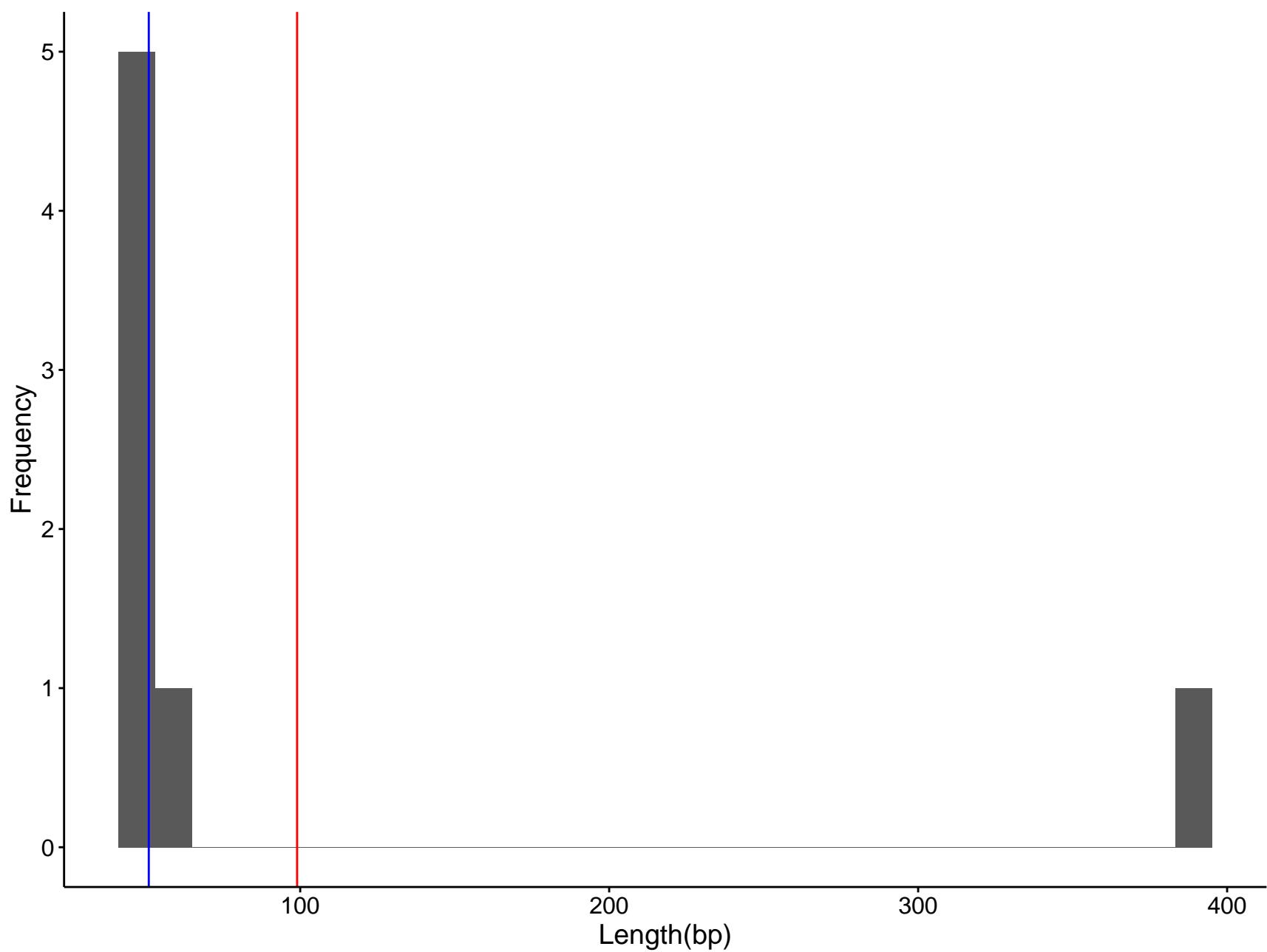
862.000

862.025

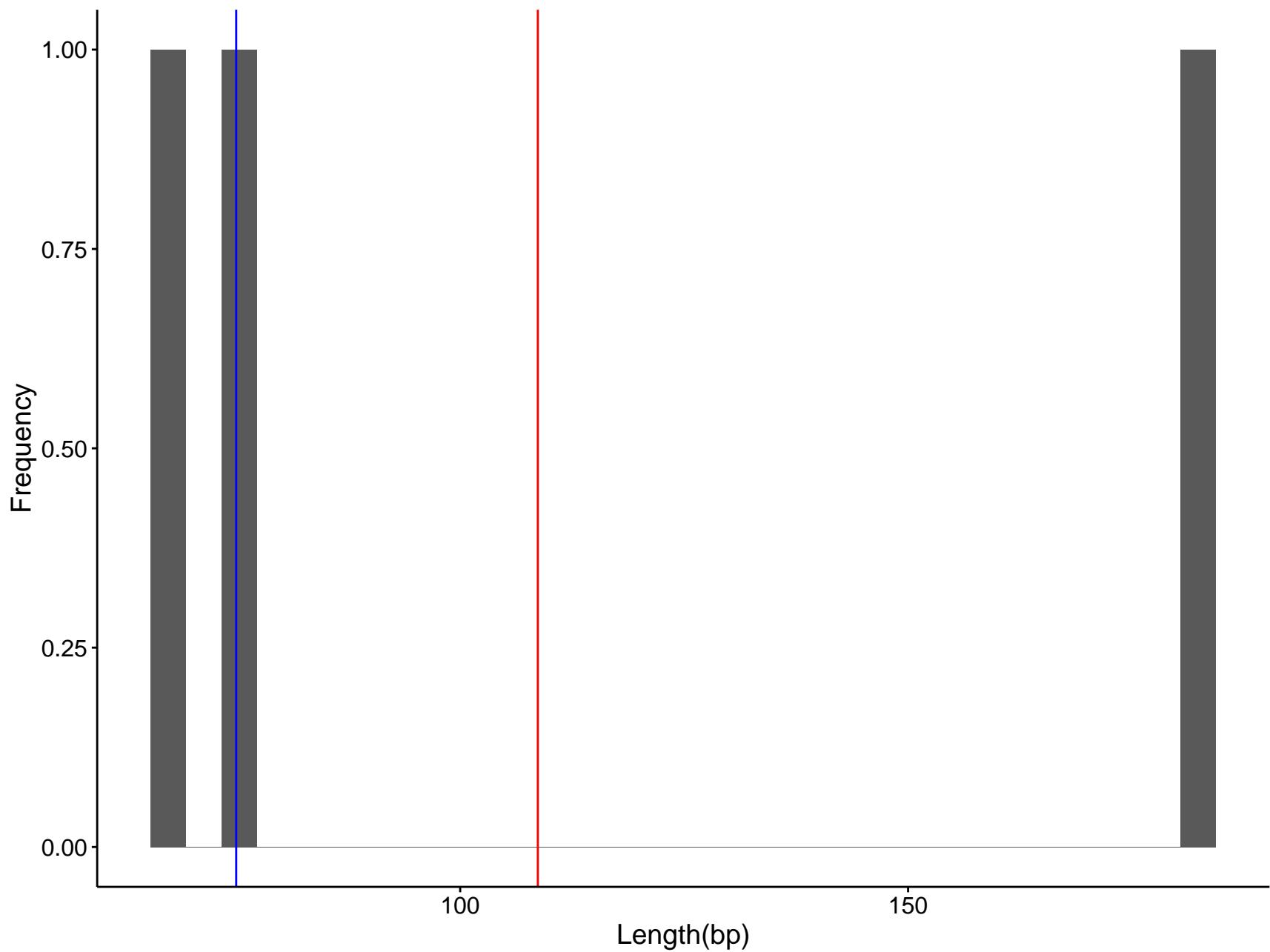
Length(bp)



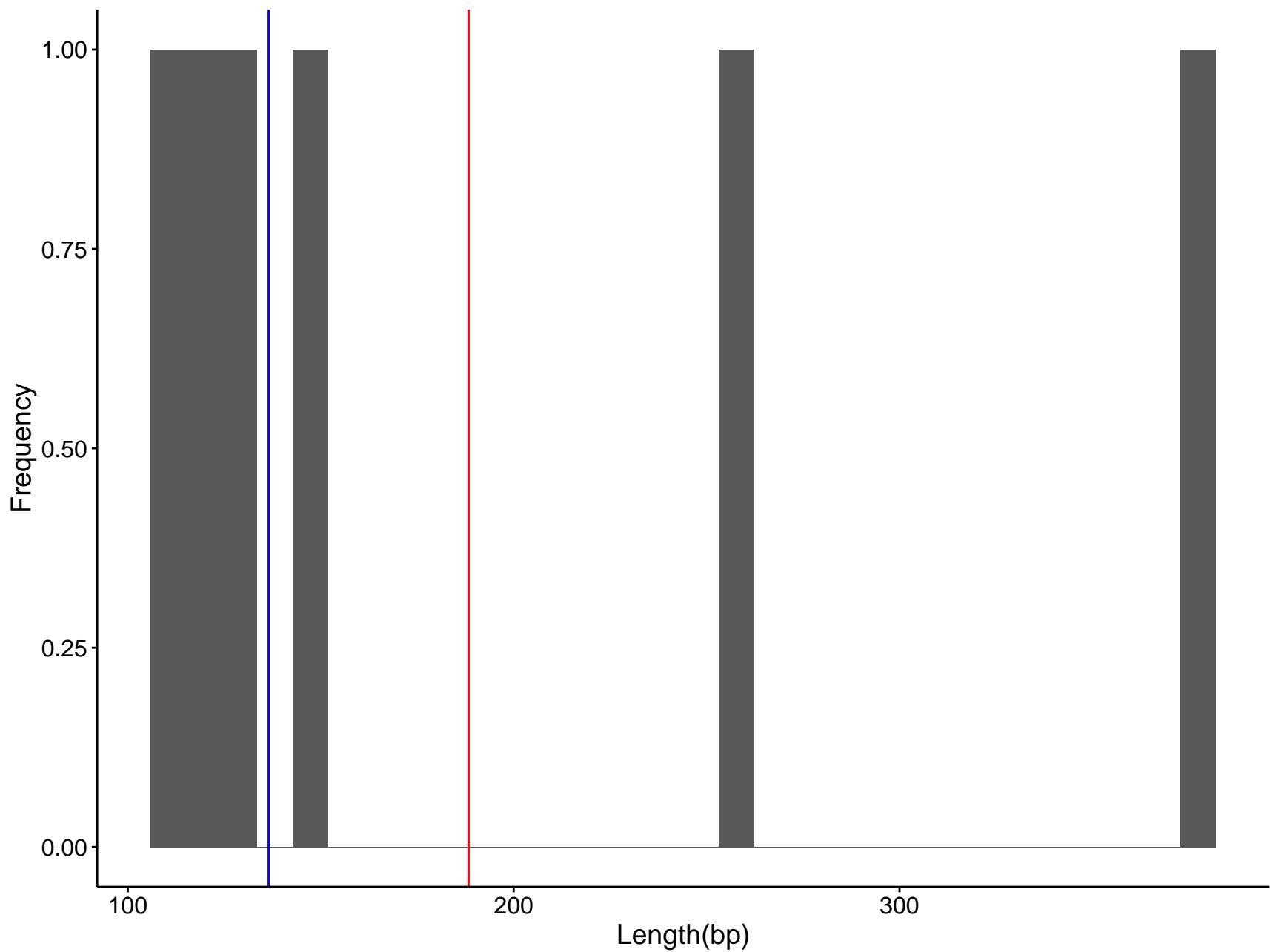
Cluster2248



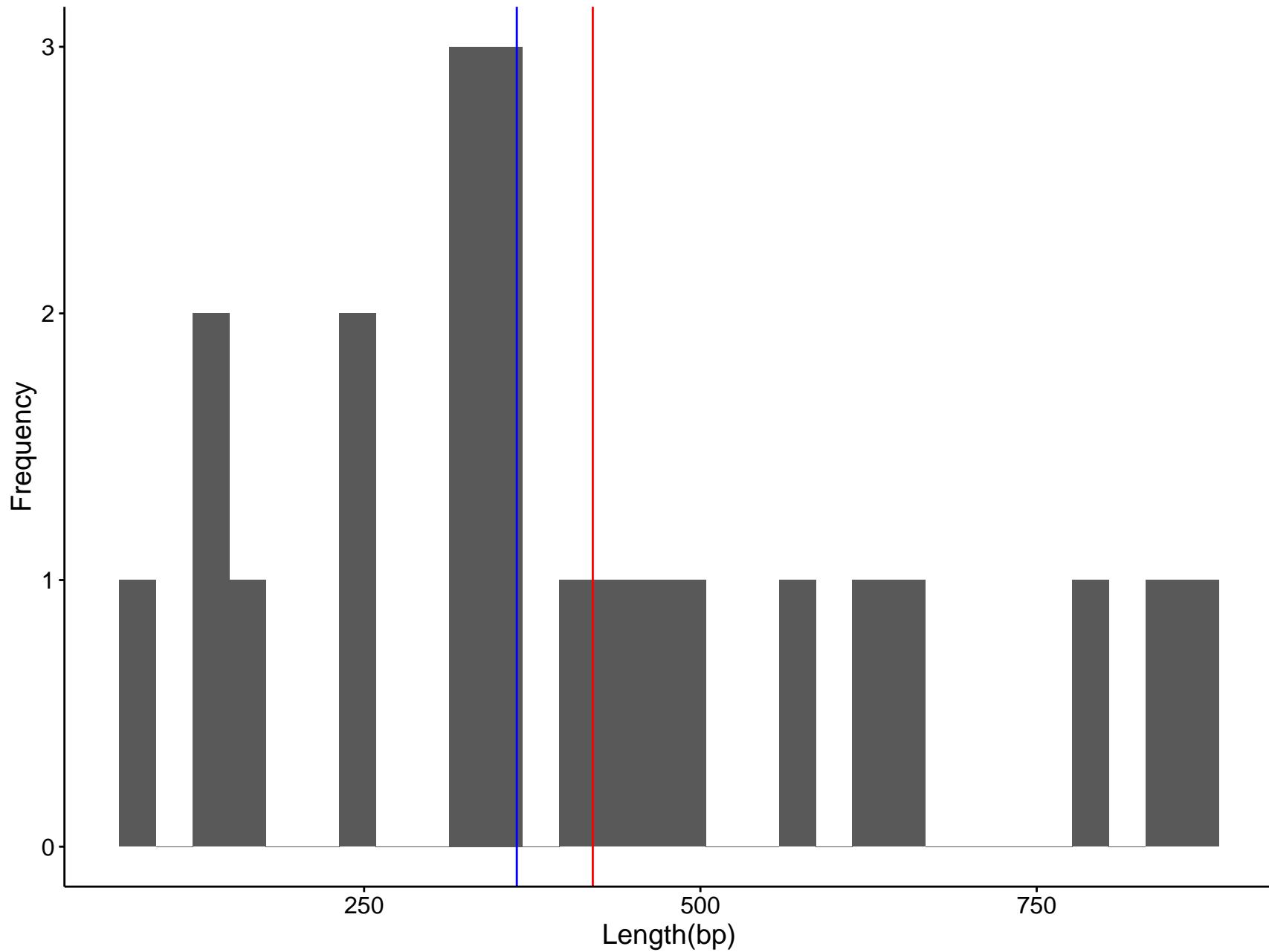
Cluster2249



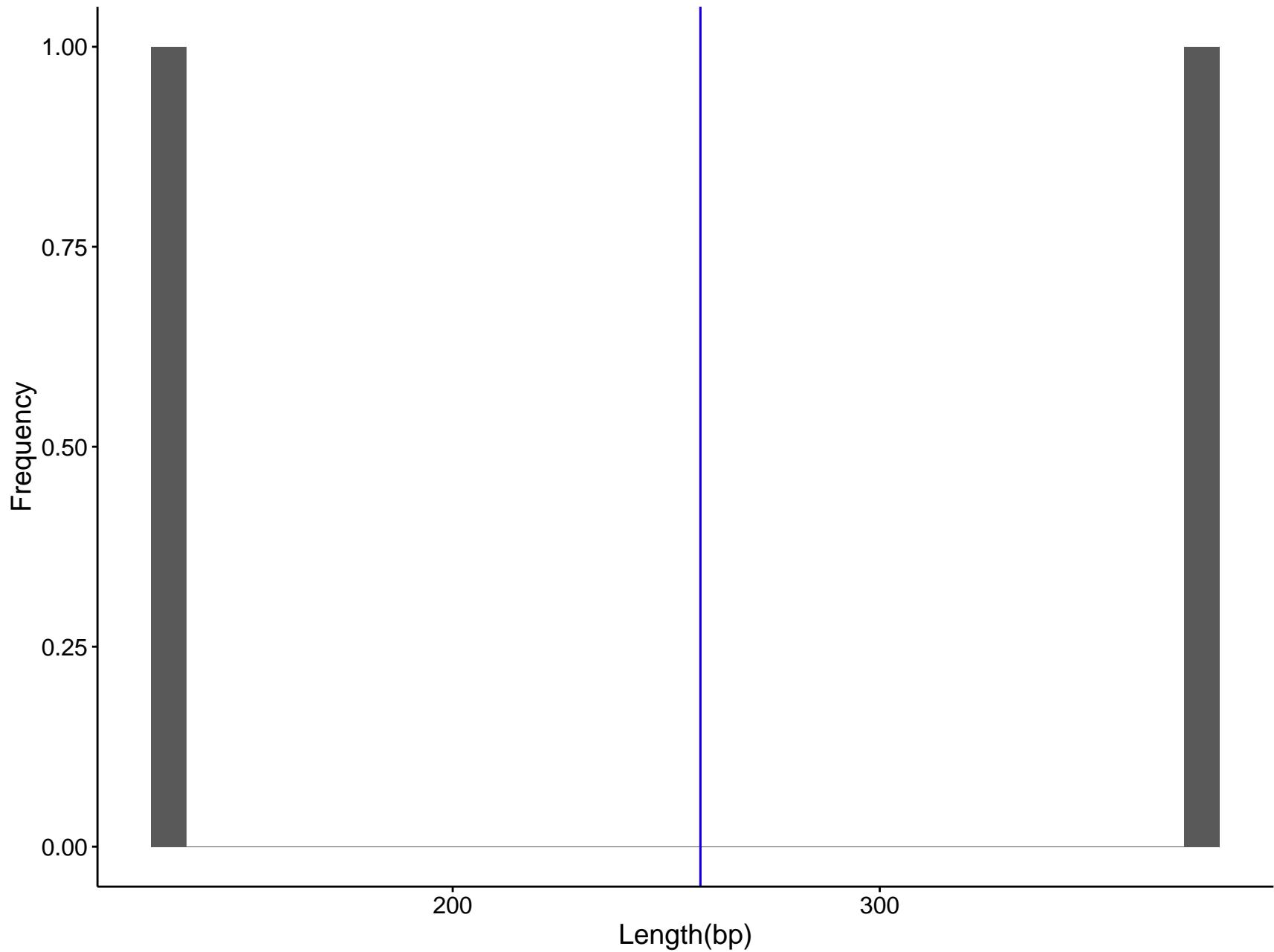
Cluster2250



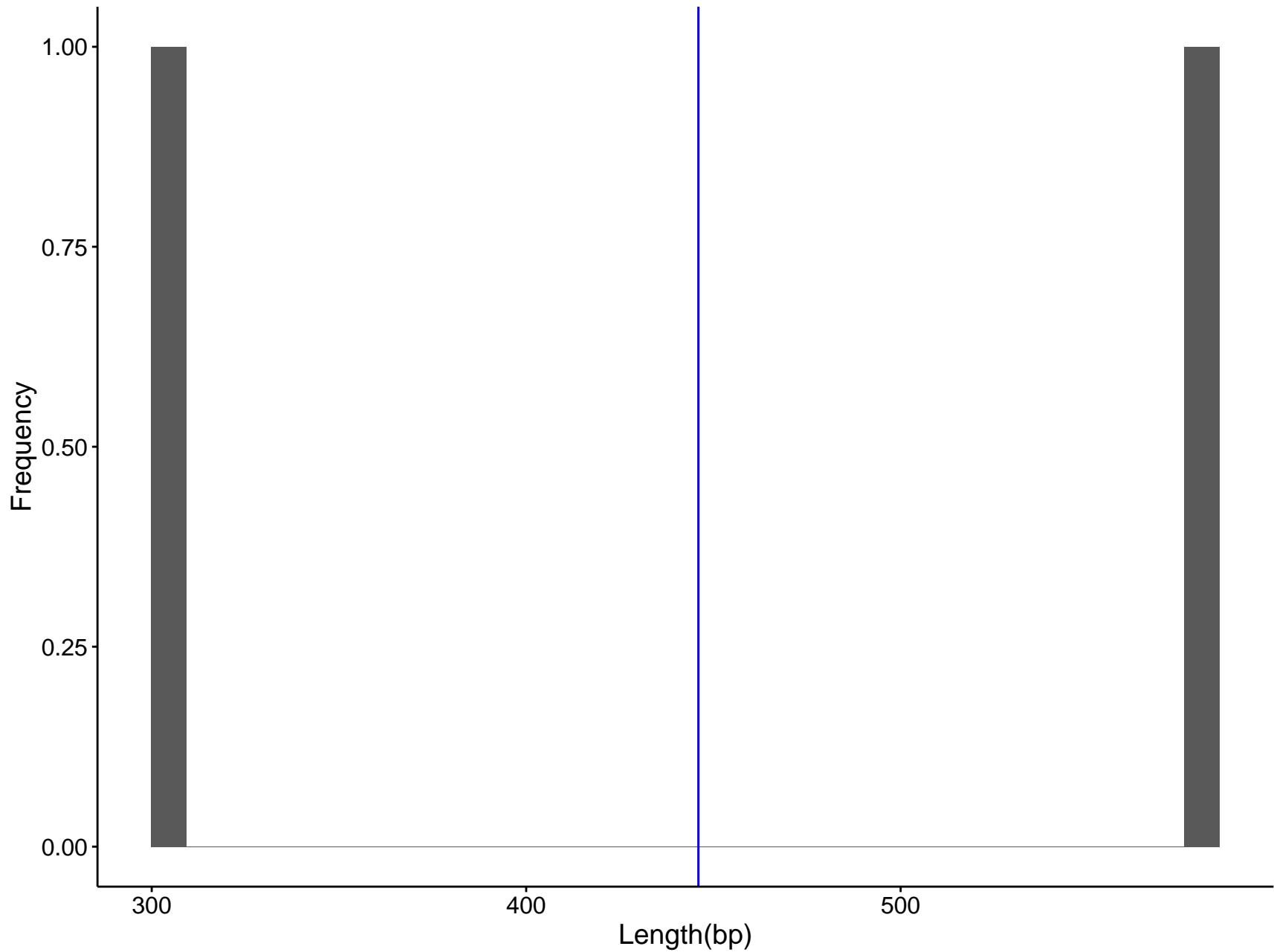
Cluster2253



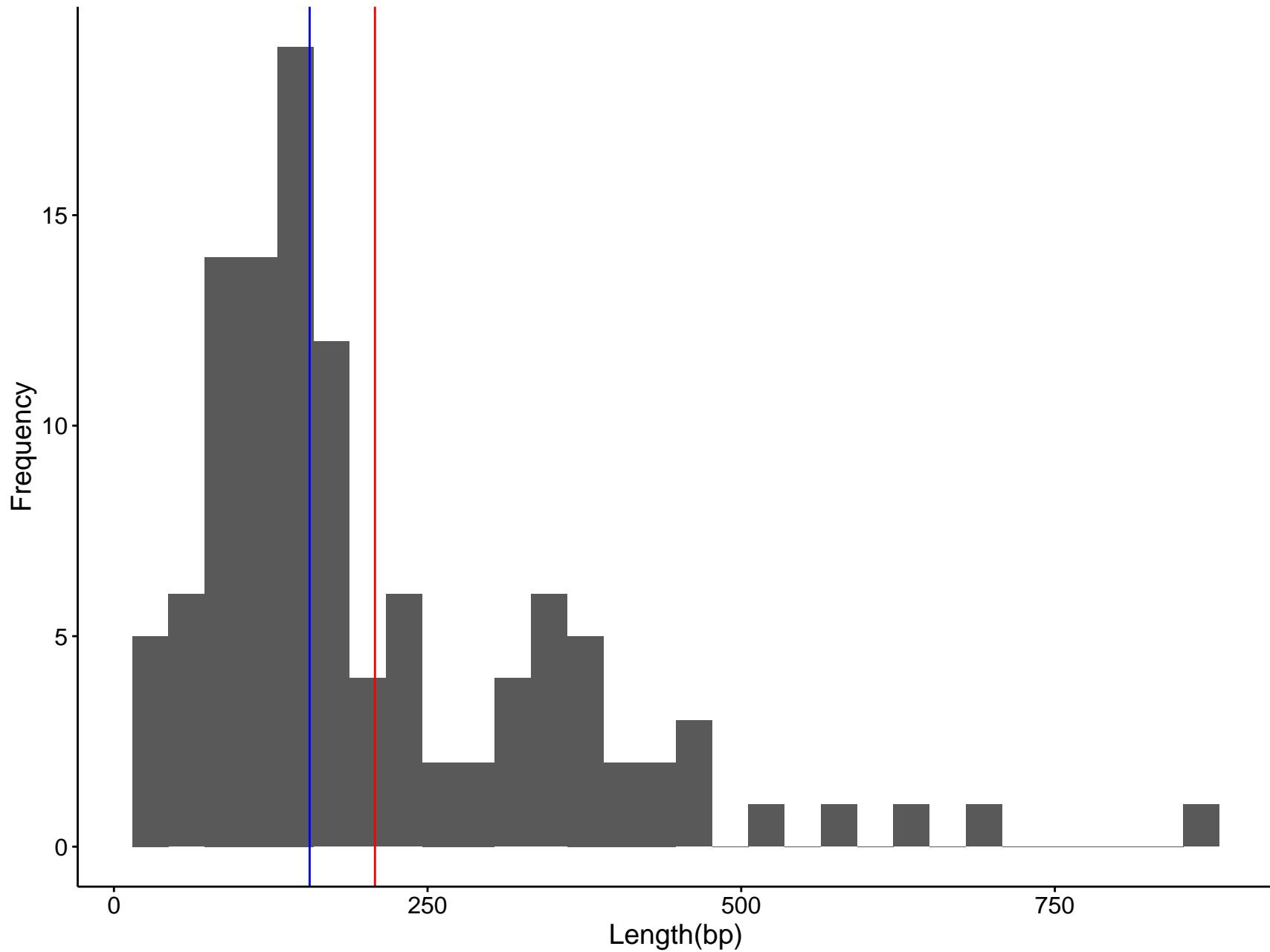
Cluster2255



Cluster225



Cluster2260



# Cluster2264

Frequency

46.950

46.975

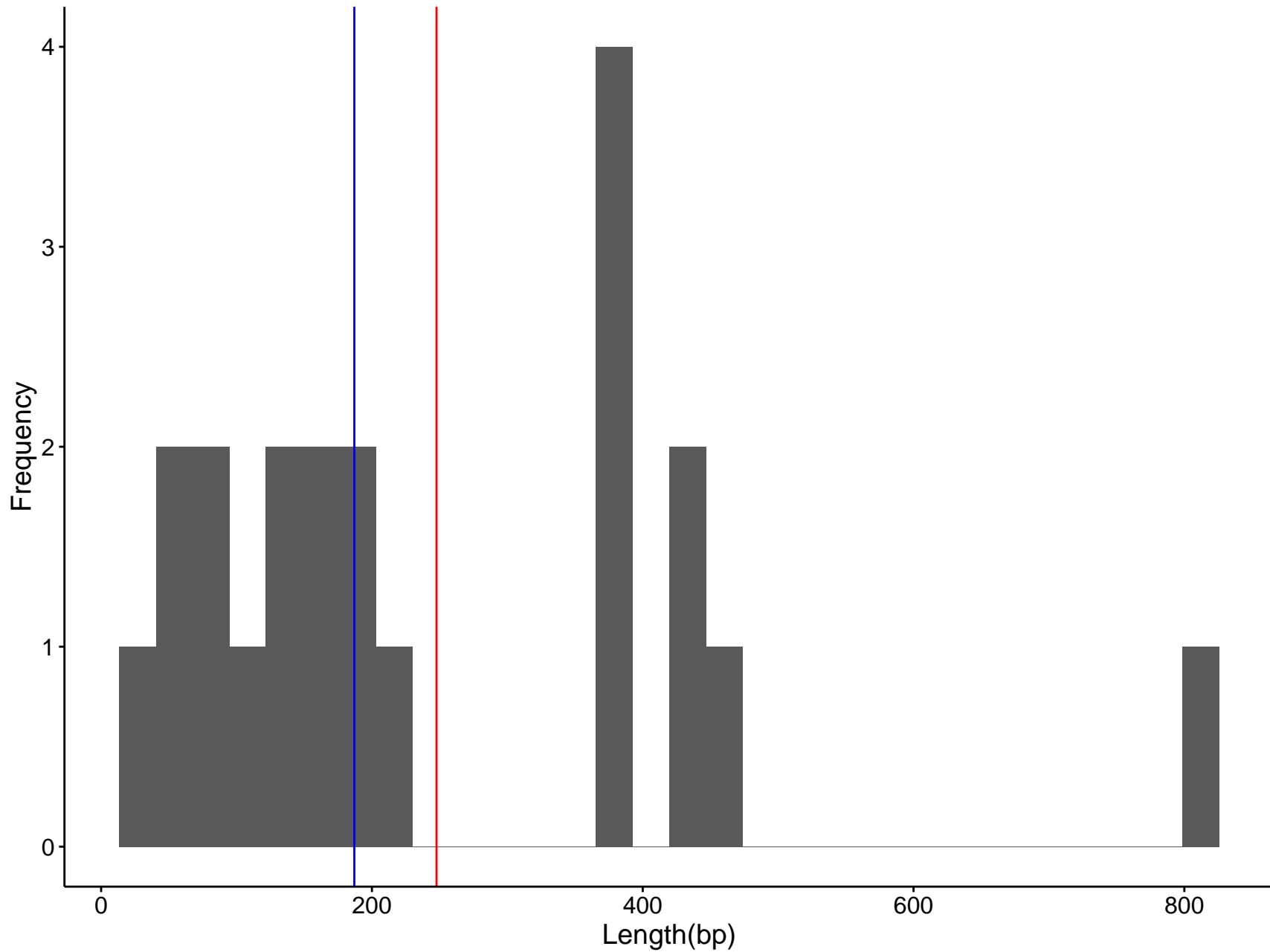
47.000

47.025

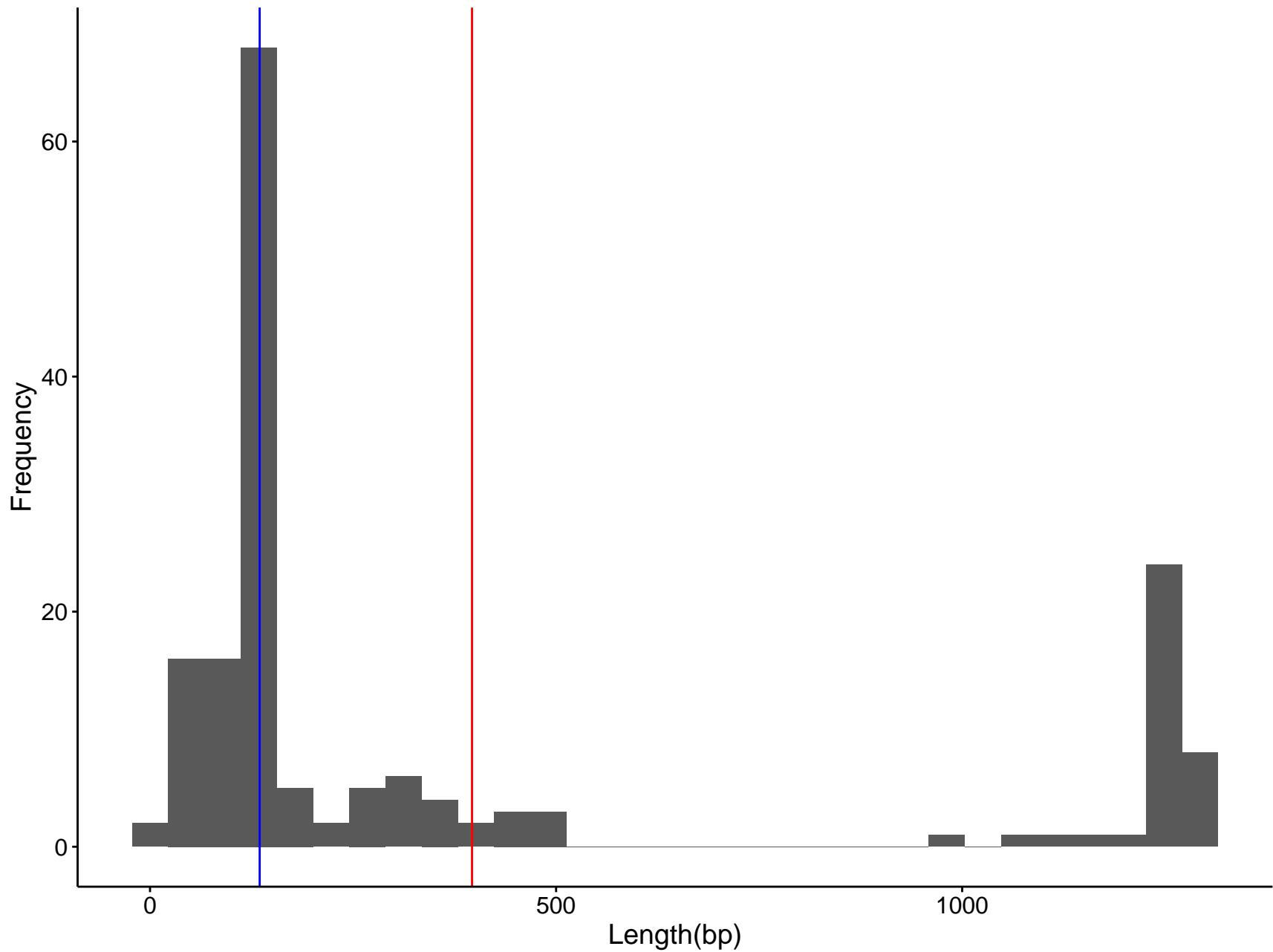
Length(bp)



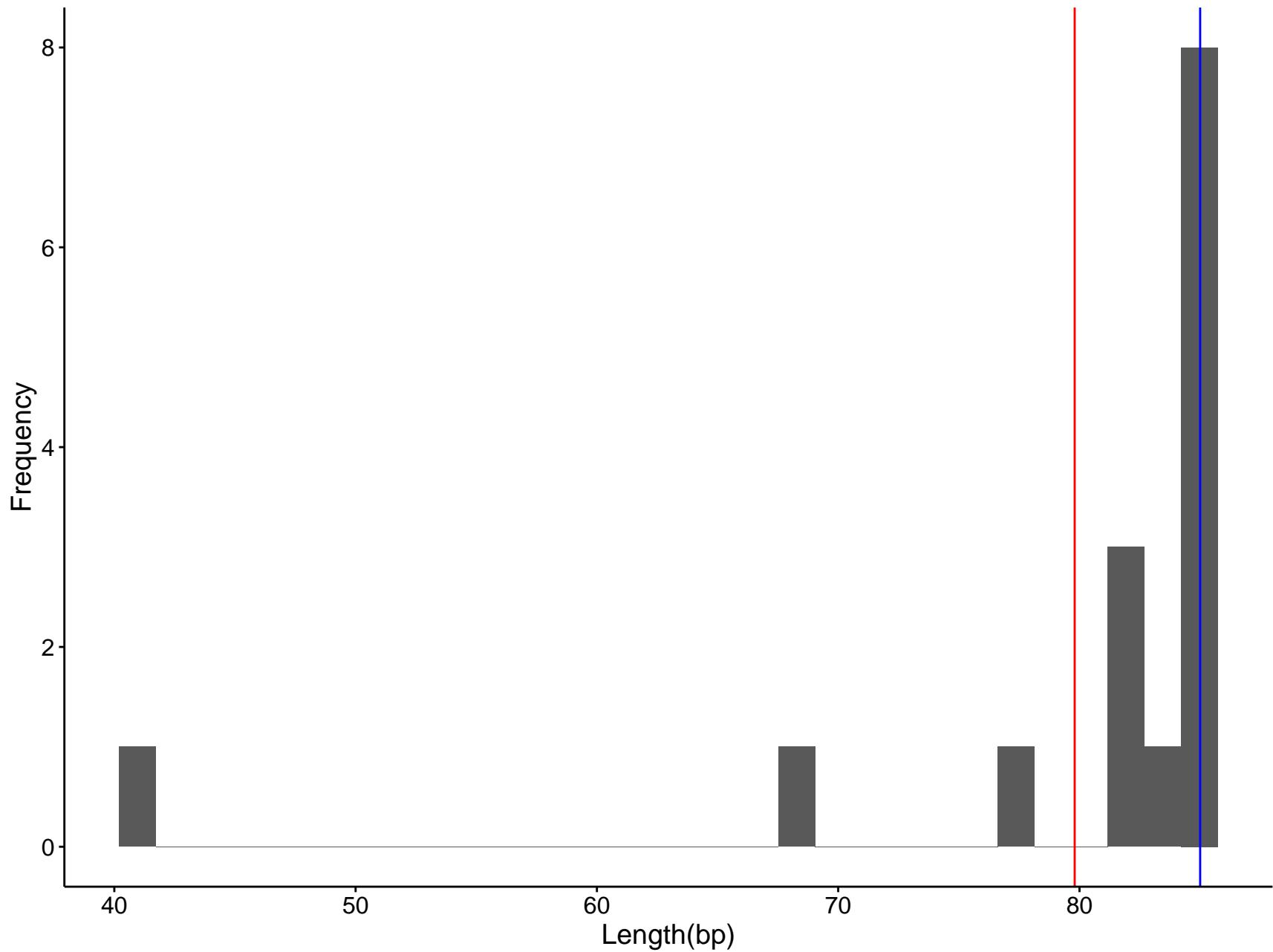
Cluster2265



Cluster2267



Cluster2269



# Cluster226

Frequency

735.950

735.975

736.000

736.025

Length(bp)



# Cluster2272

Frequency

158.950

158.975

159.000

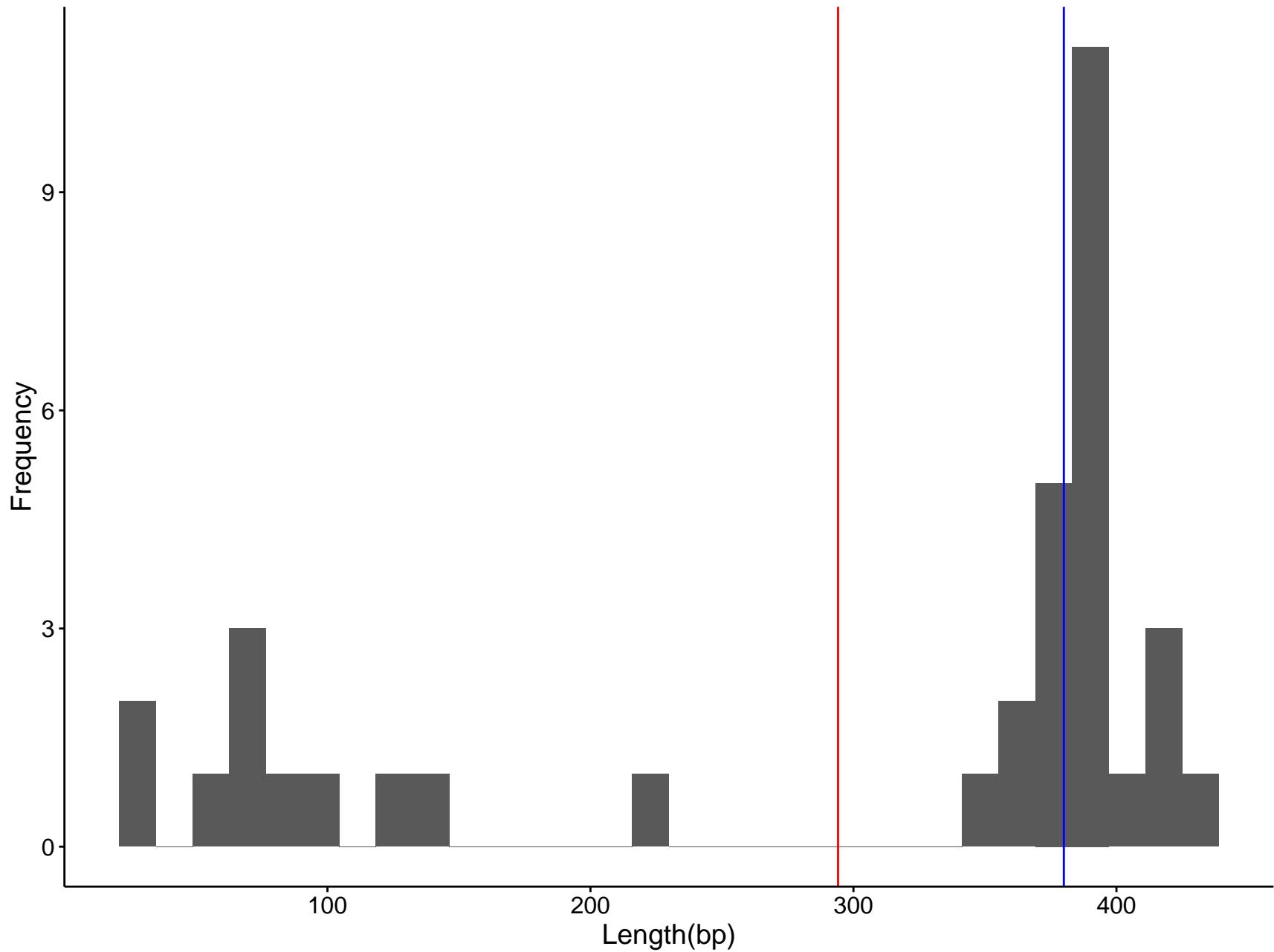
159.025

159.050

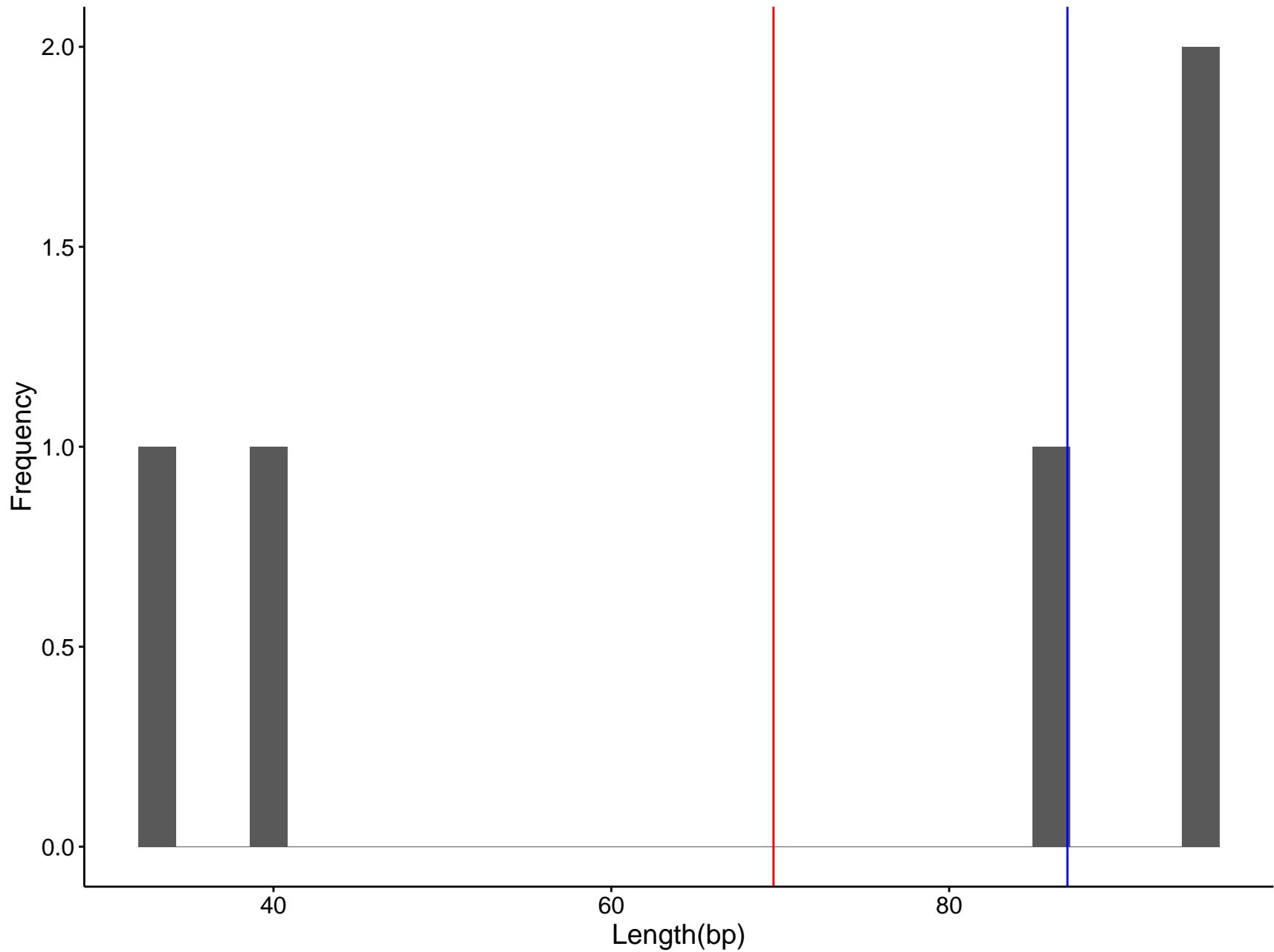
Length(bp)



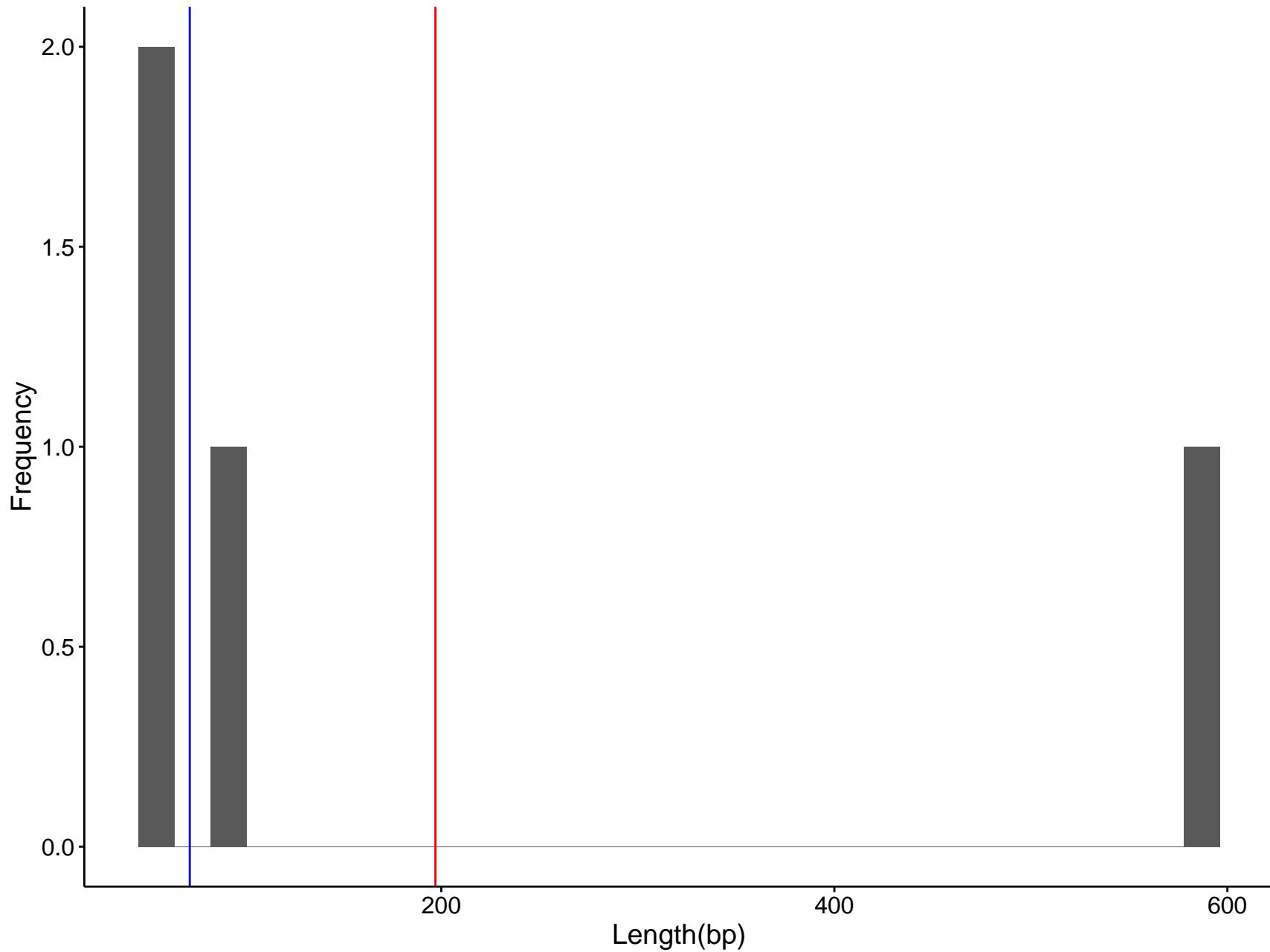
Cluster2274



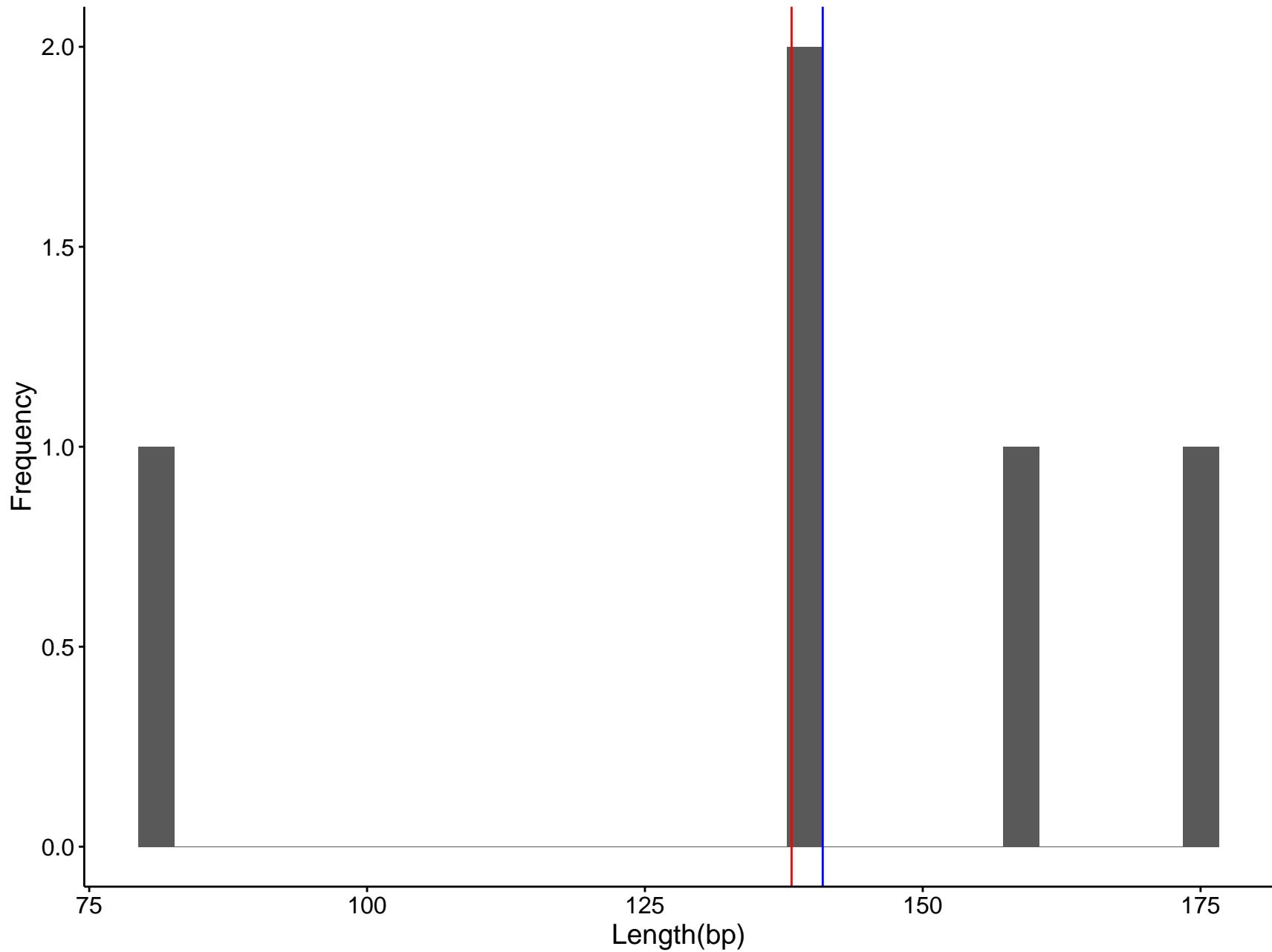
Cluster2278



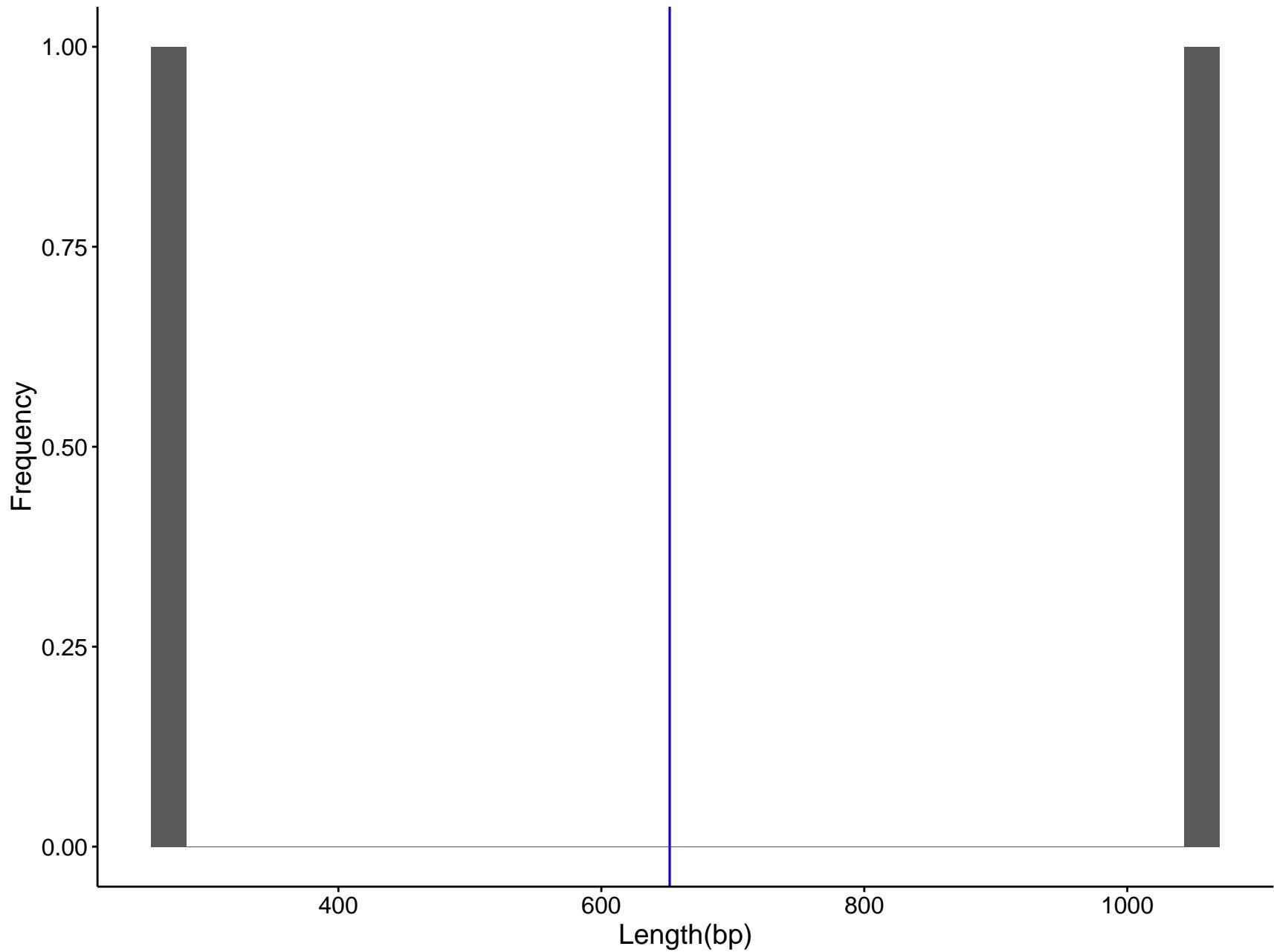
Cluster227



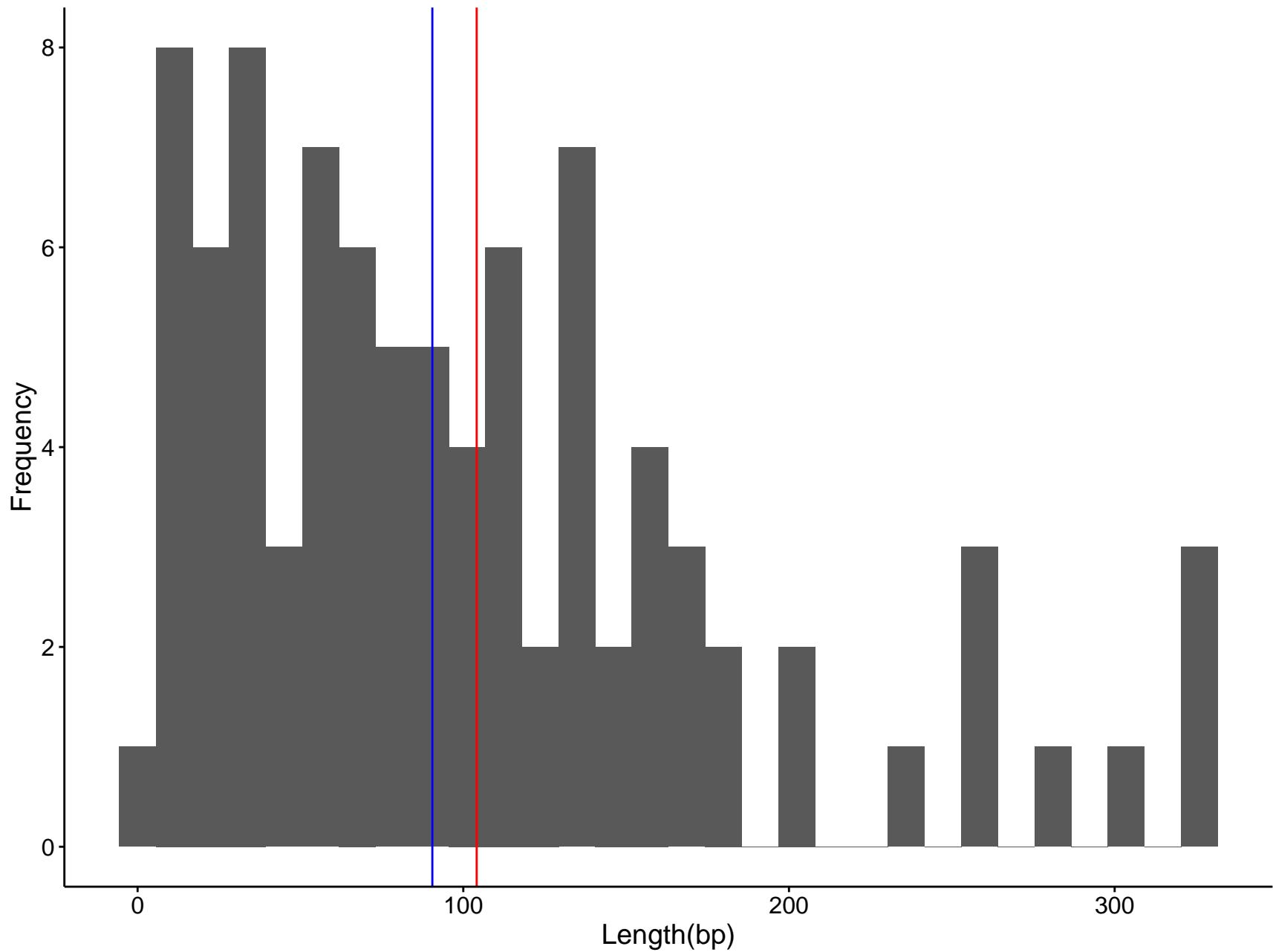
Cluster2280



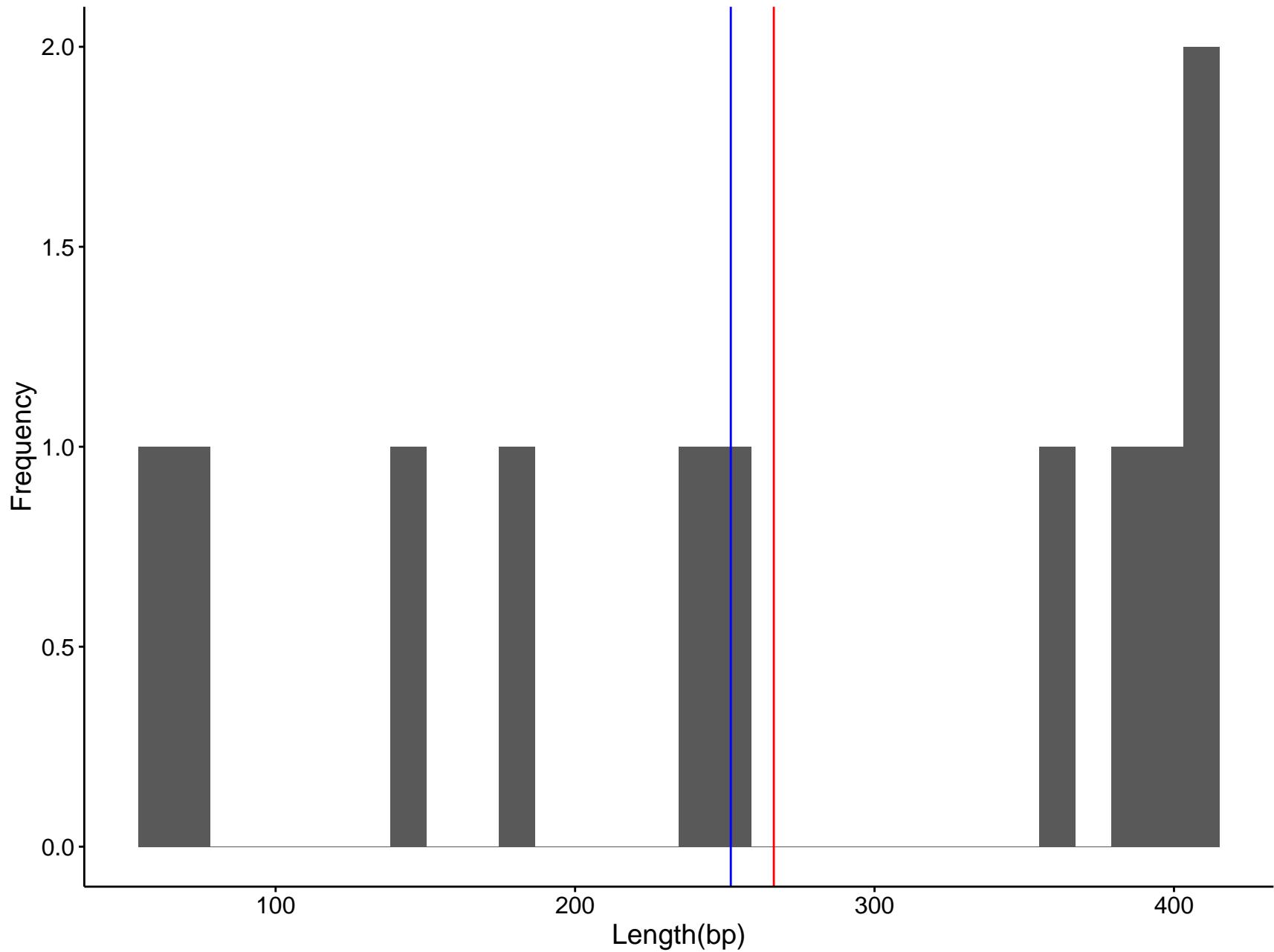
Cluster228



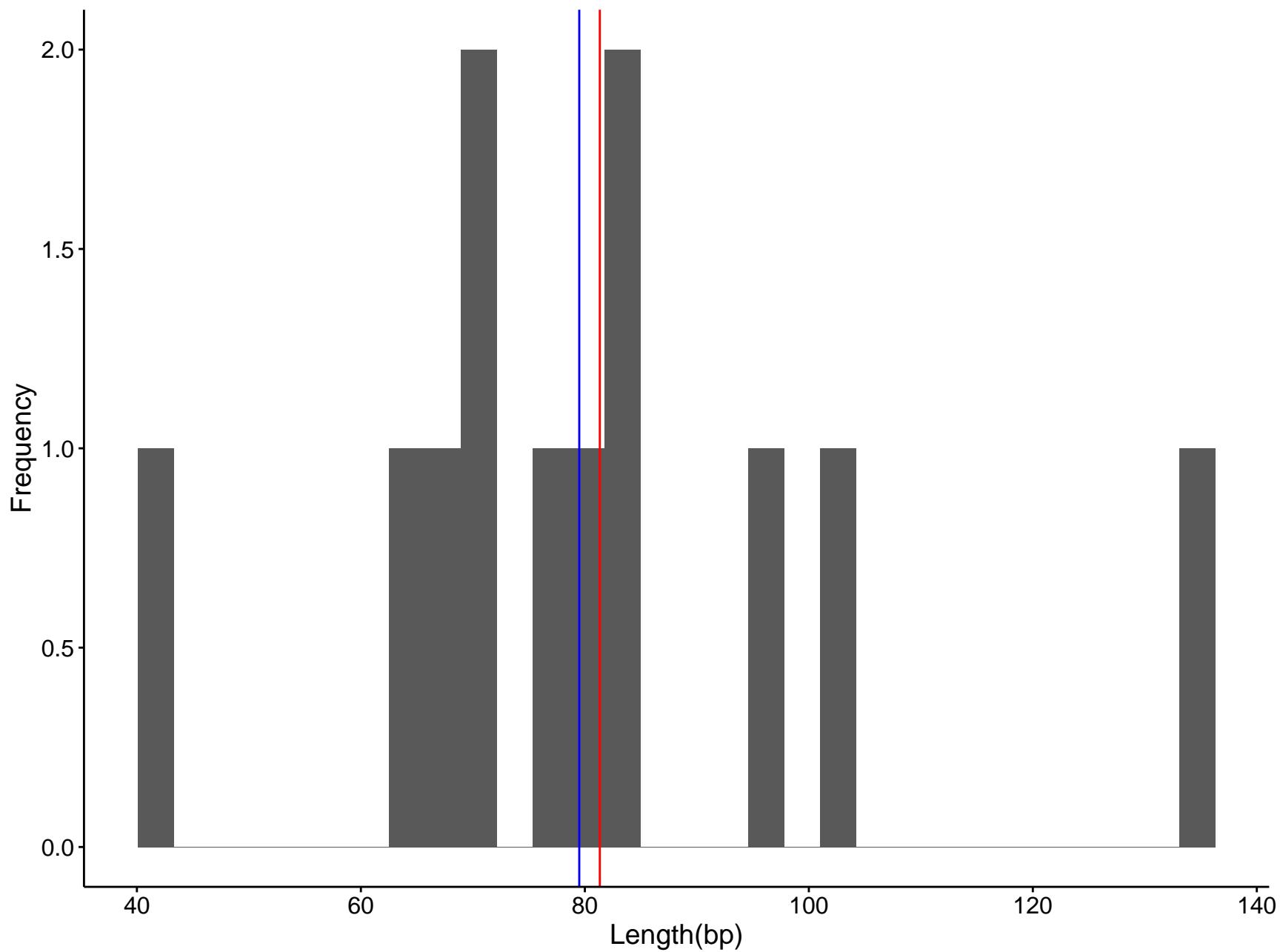
Cluster2292



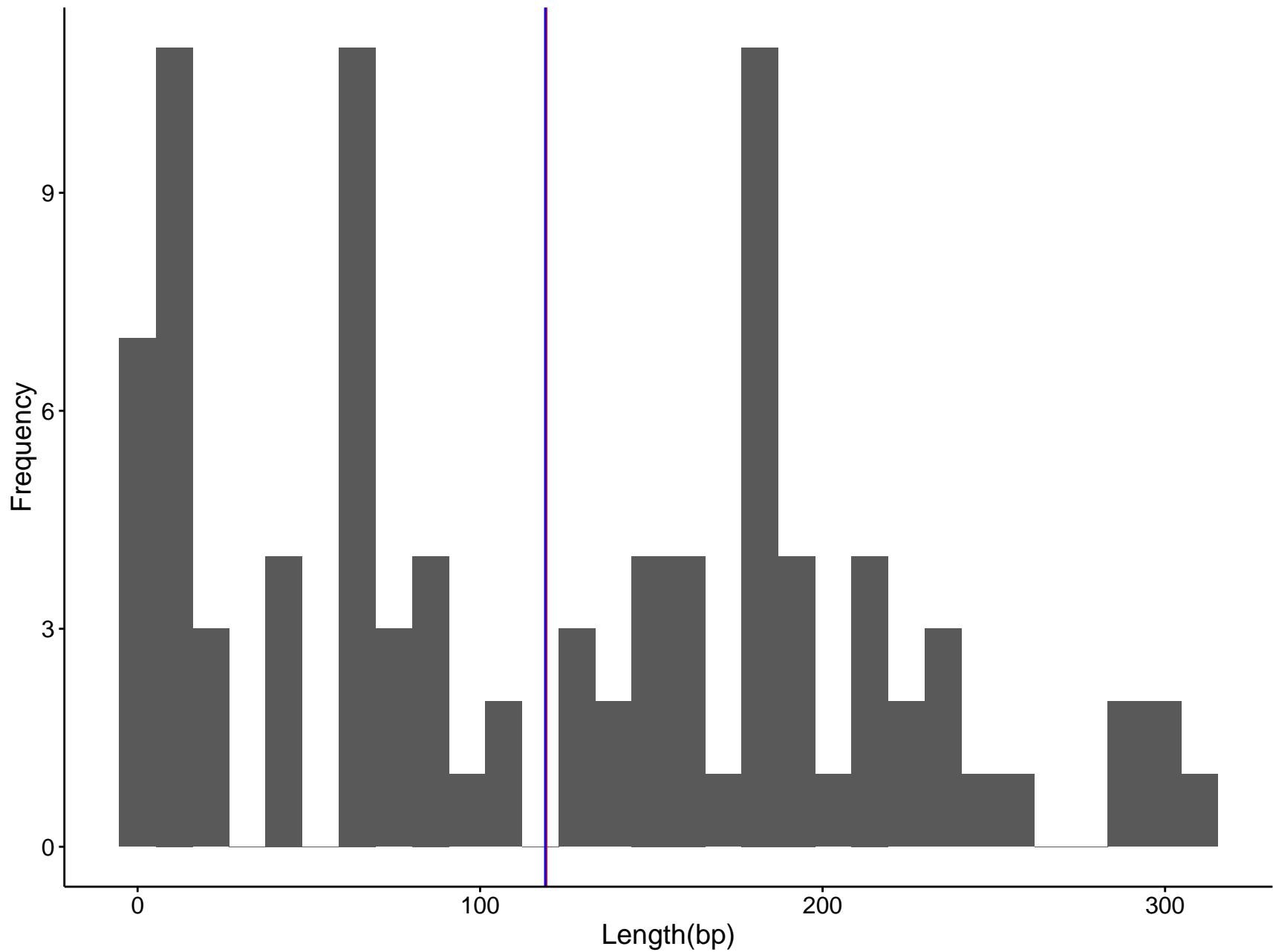
Cluster2293



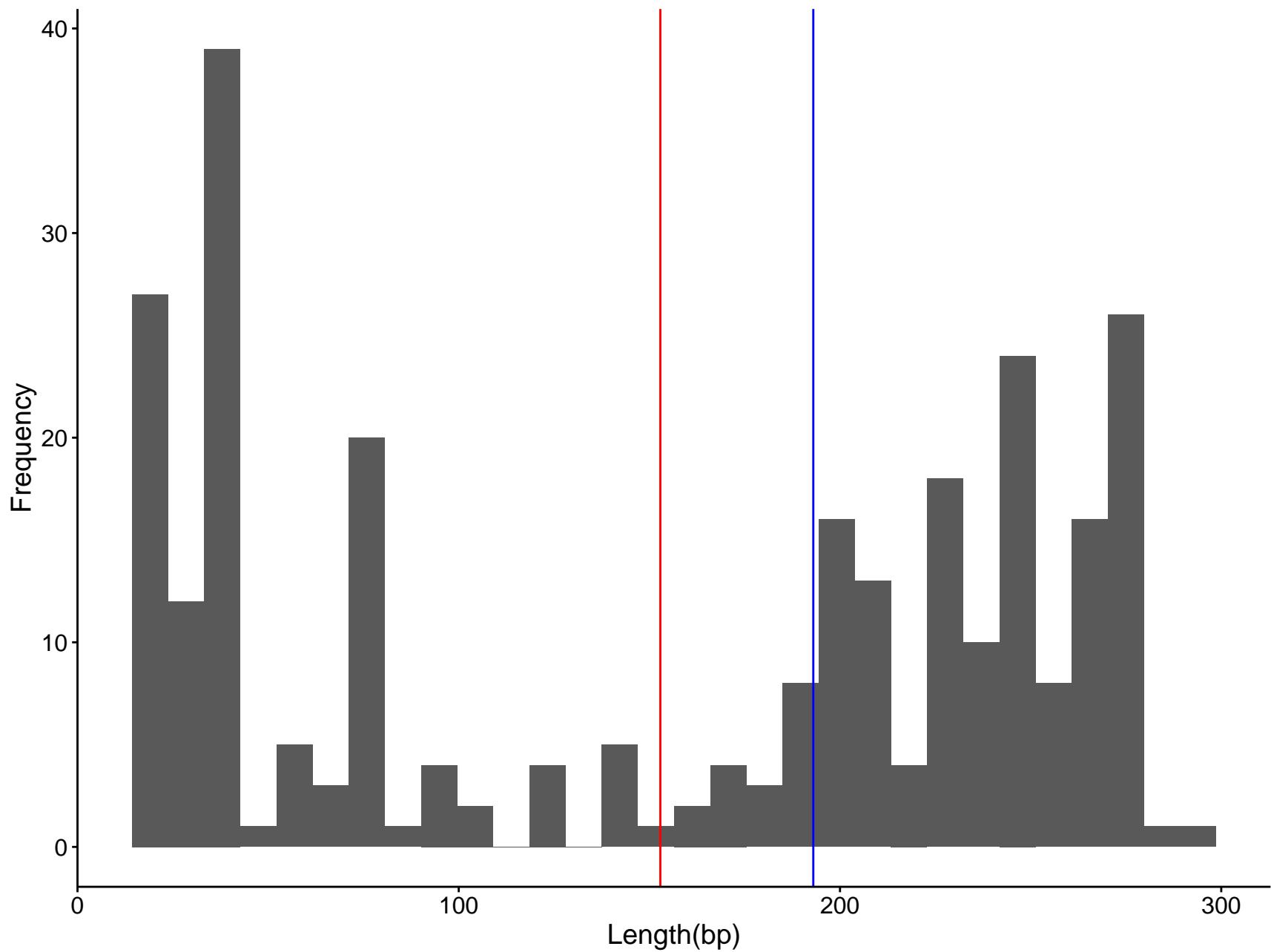
Cluster2295



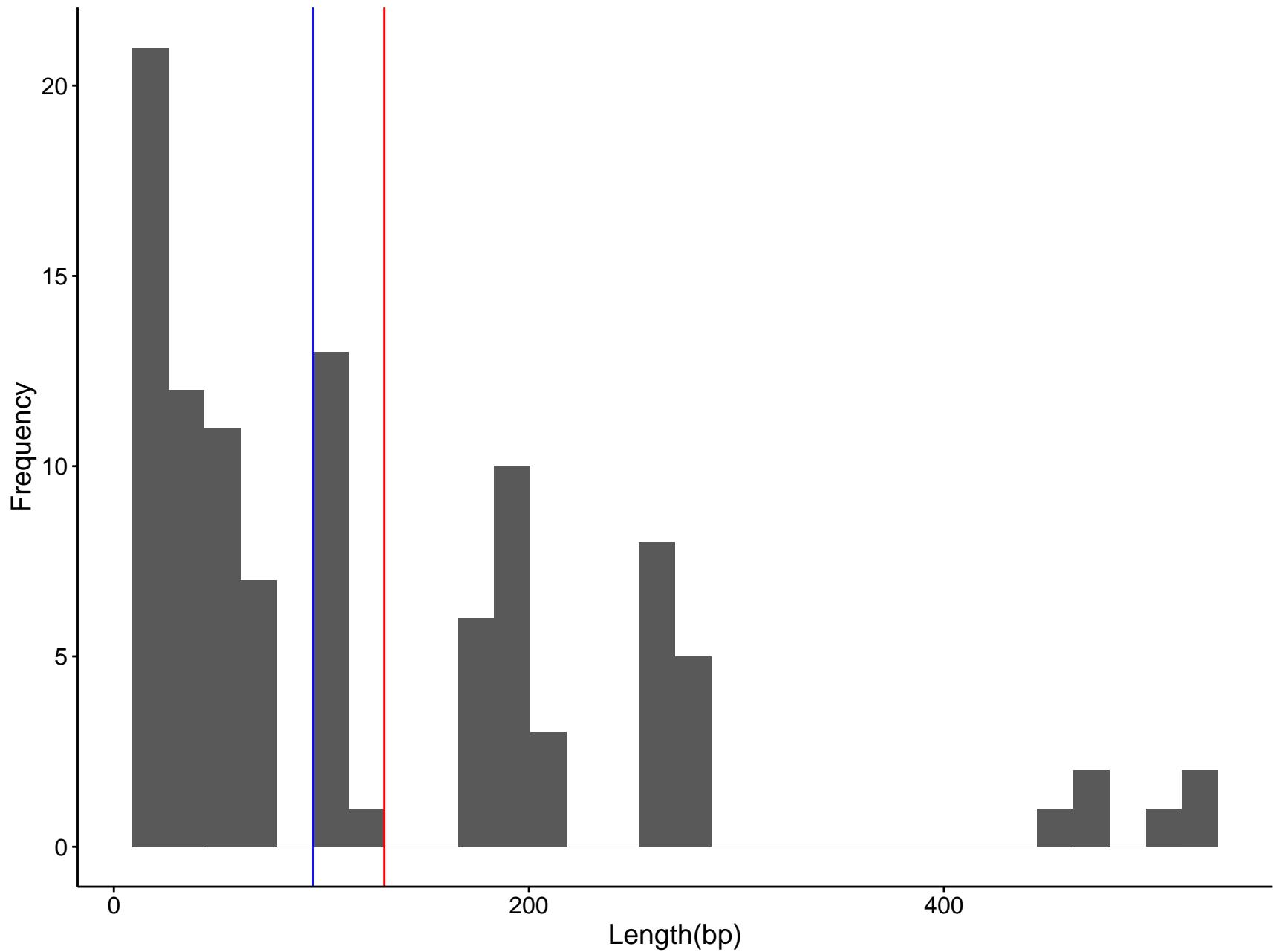
Cluster2297



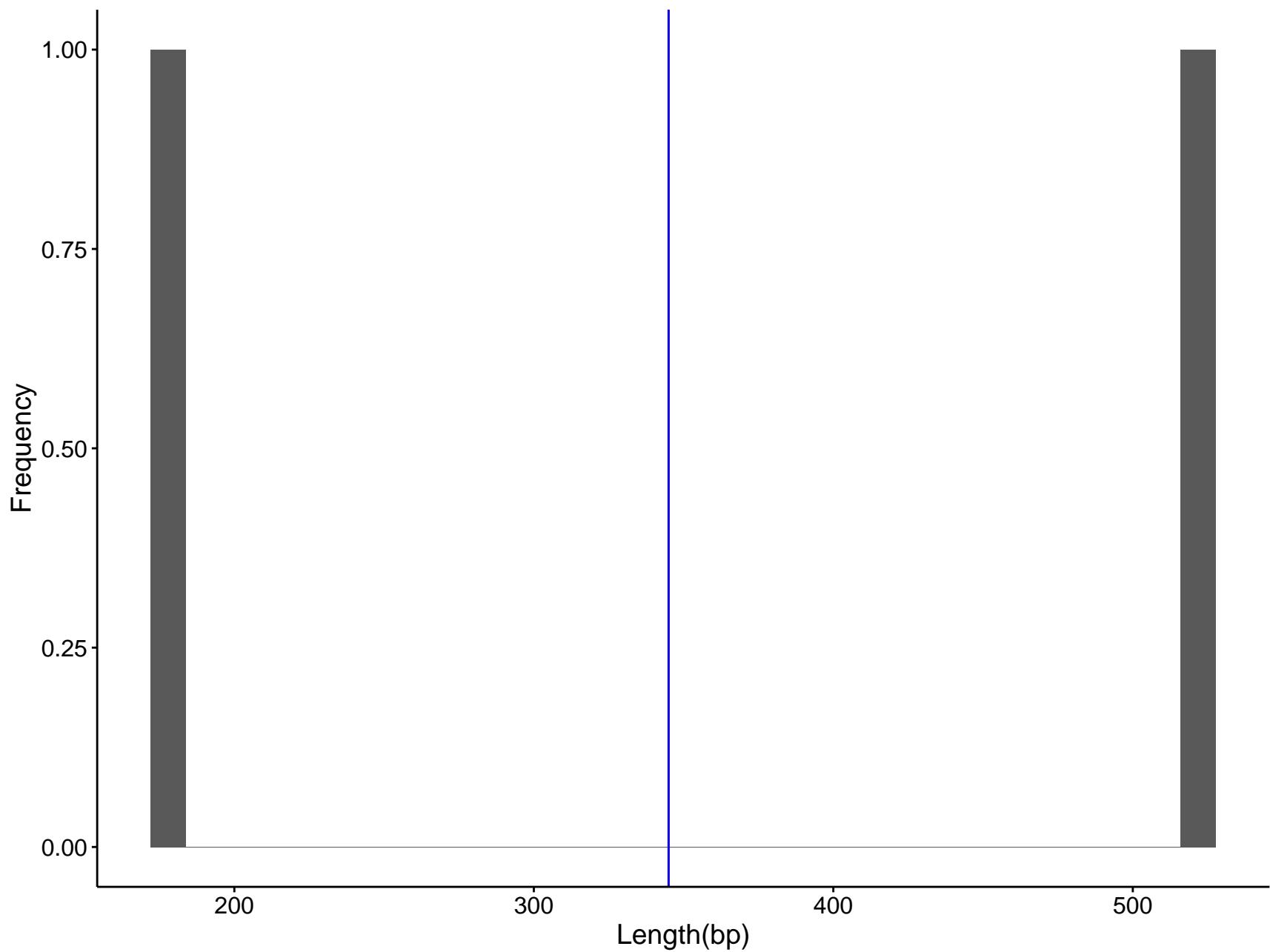
Cluster2298



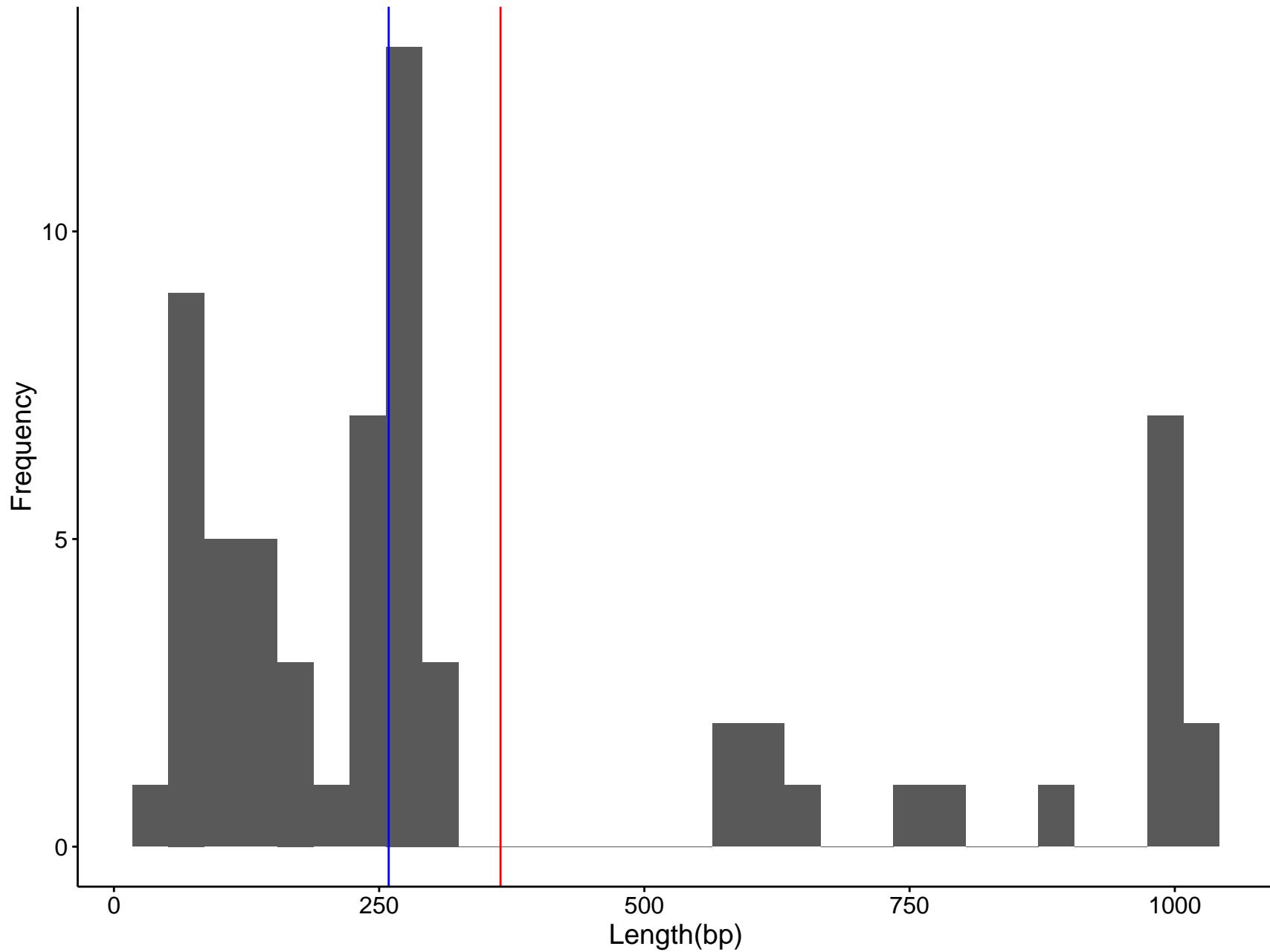
Cluster2299



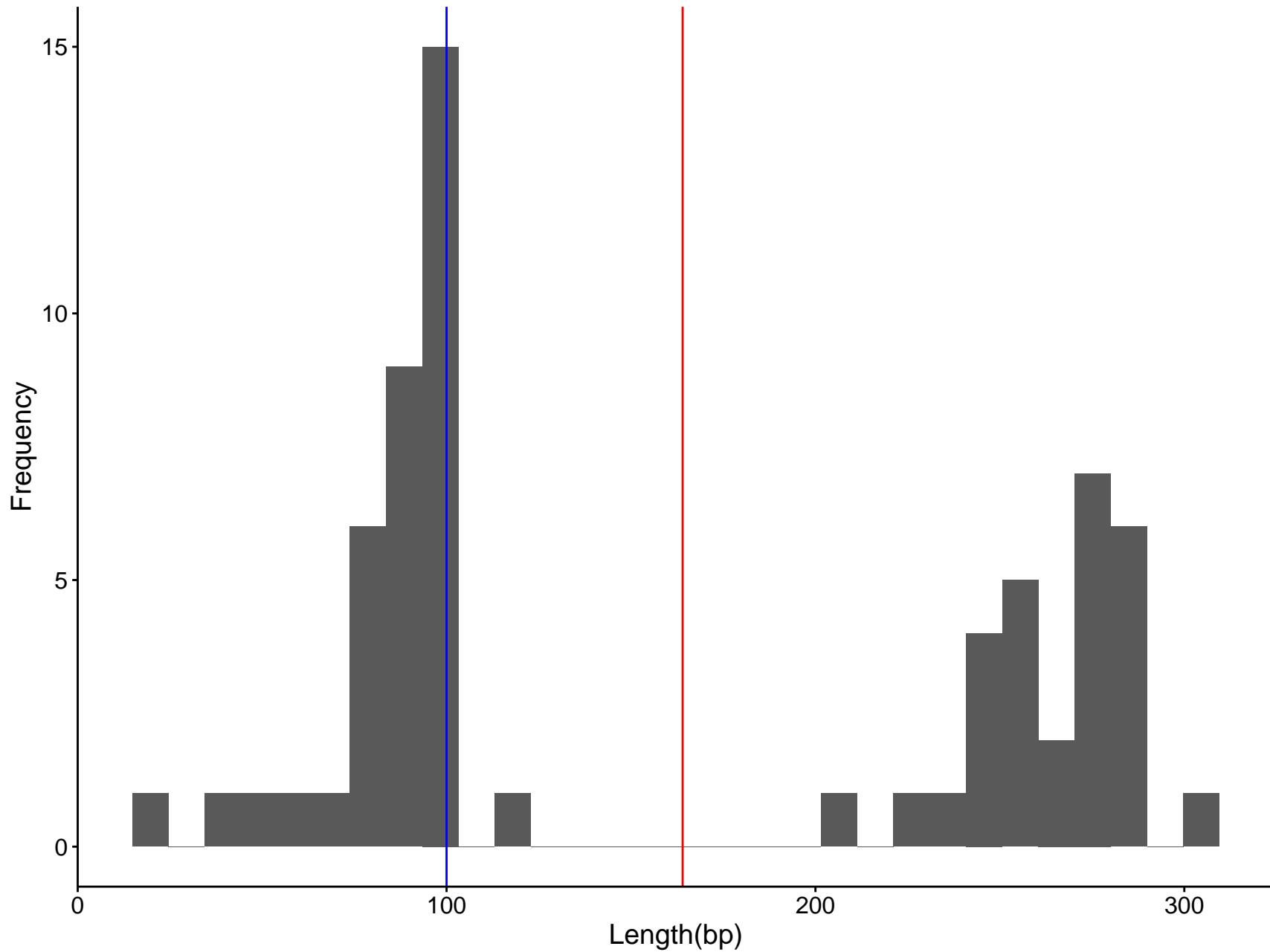
Cluster229



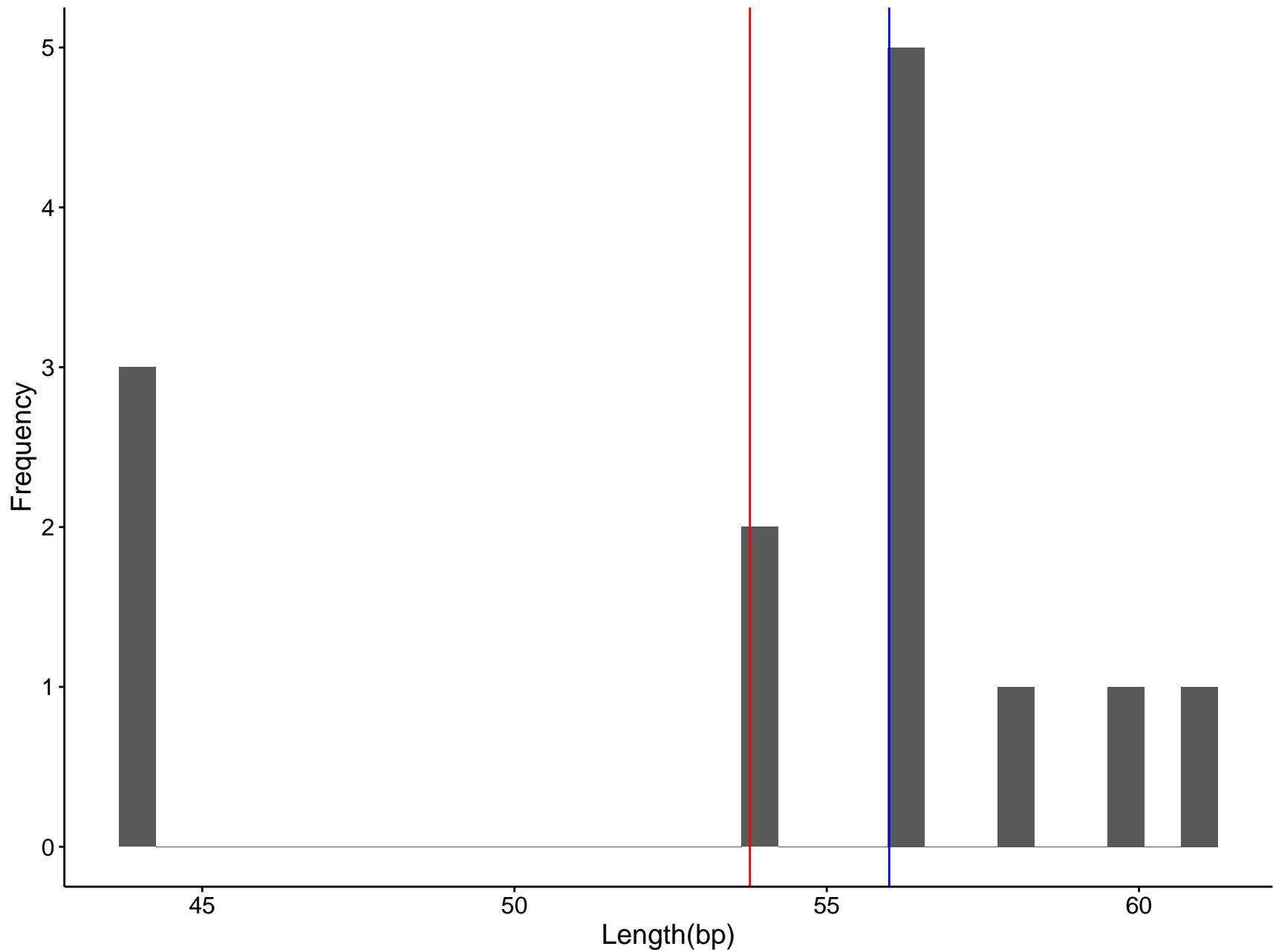
Cluster2301



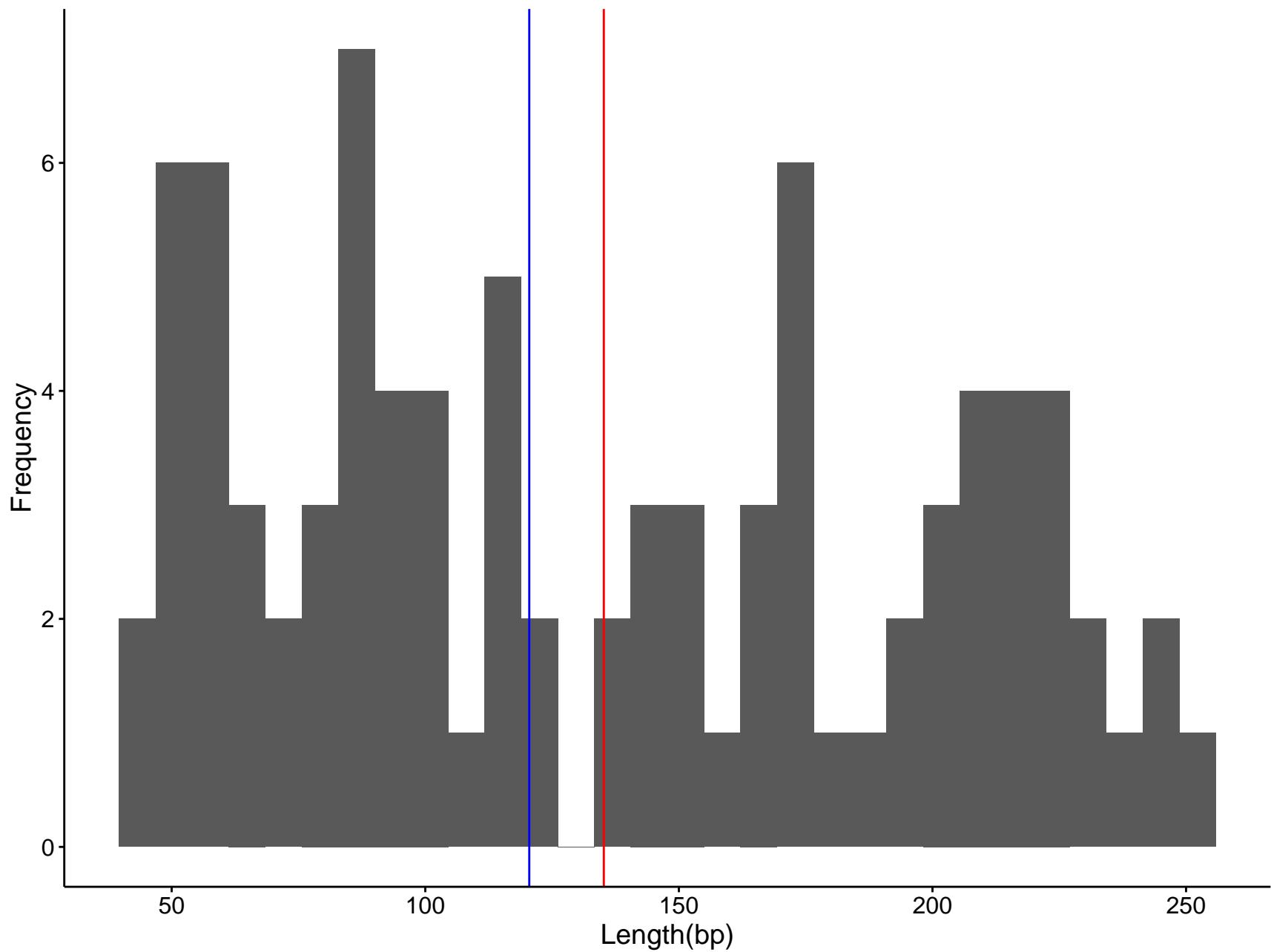
# Cluster2303



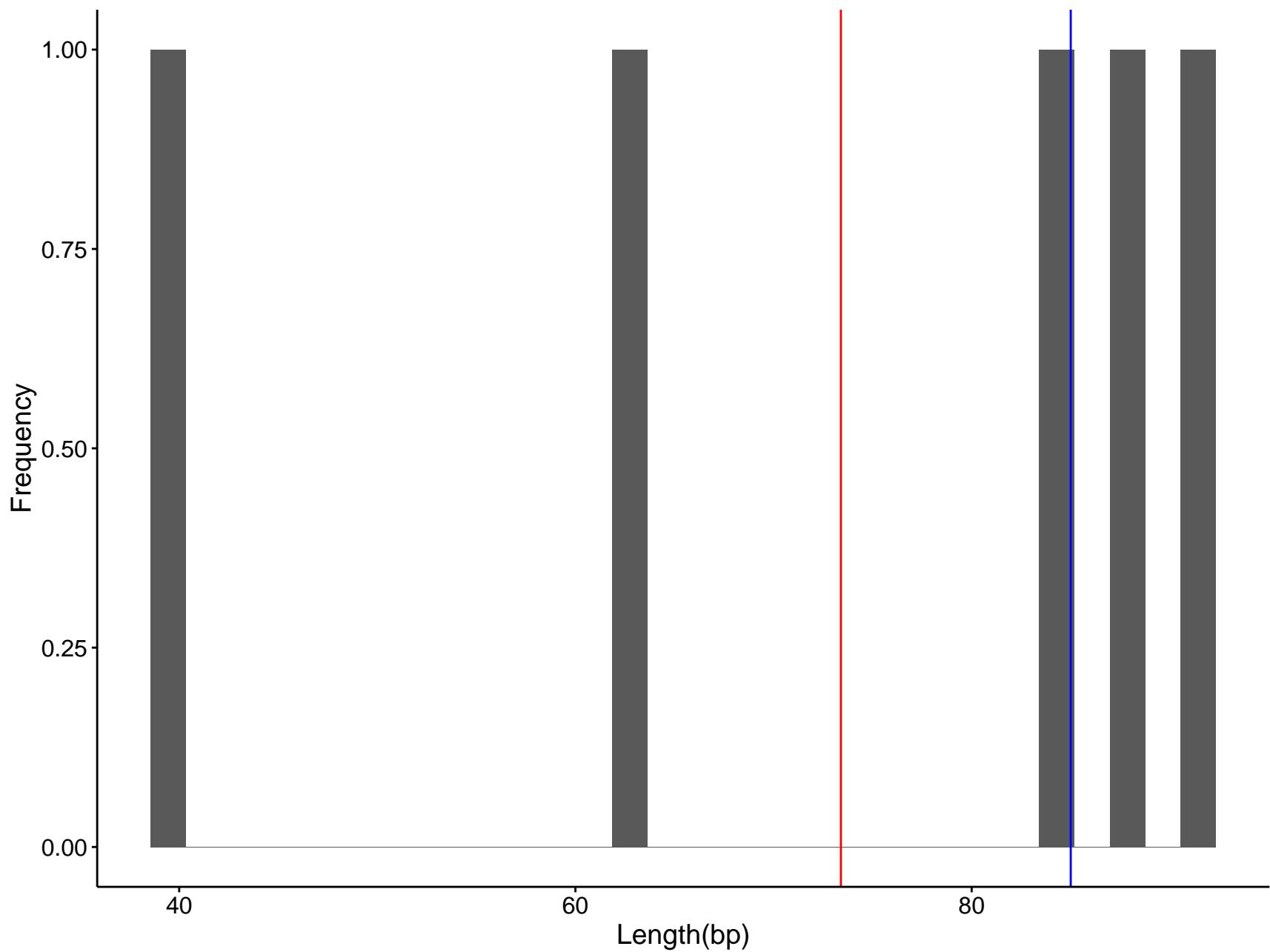
Cluster2307



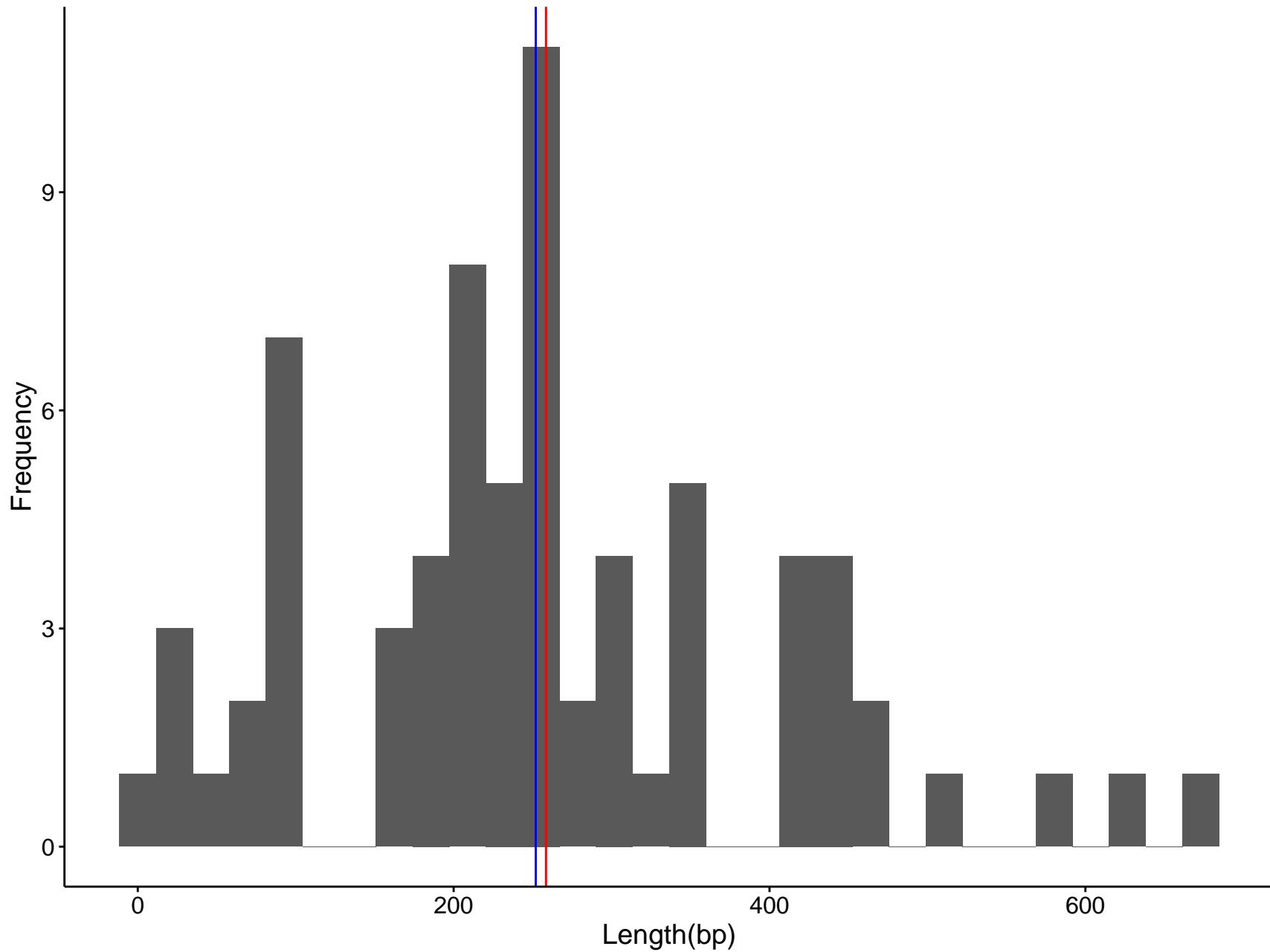
Cluster2308



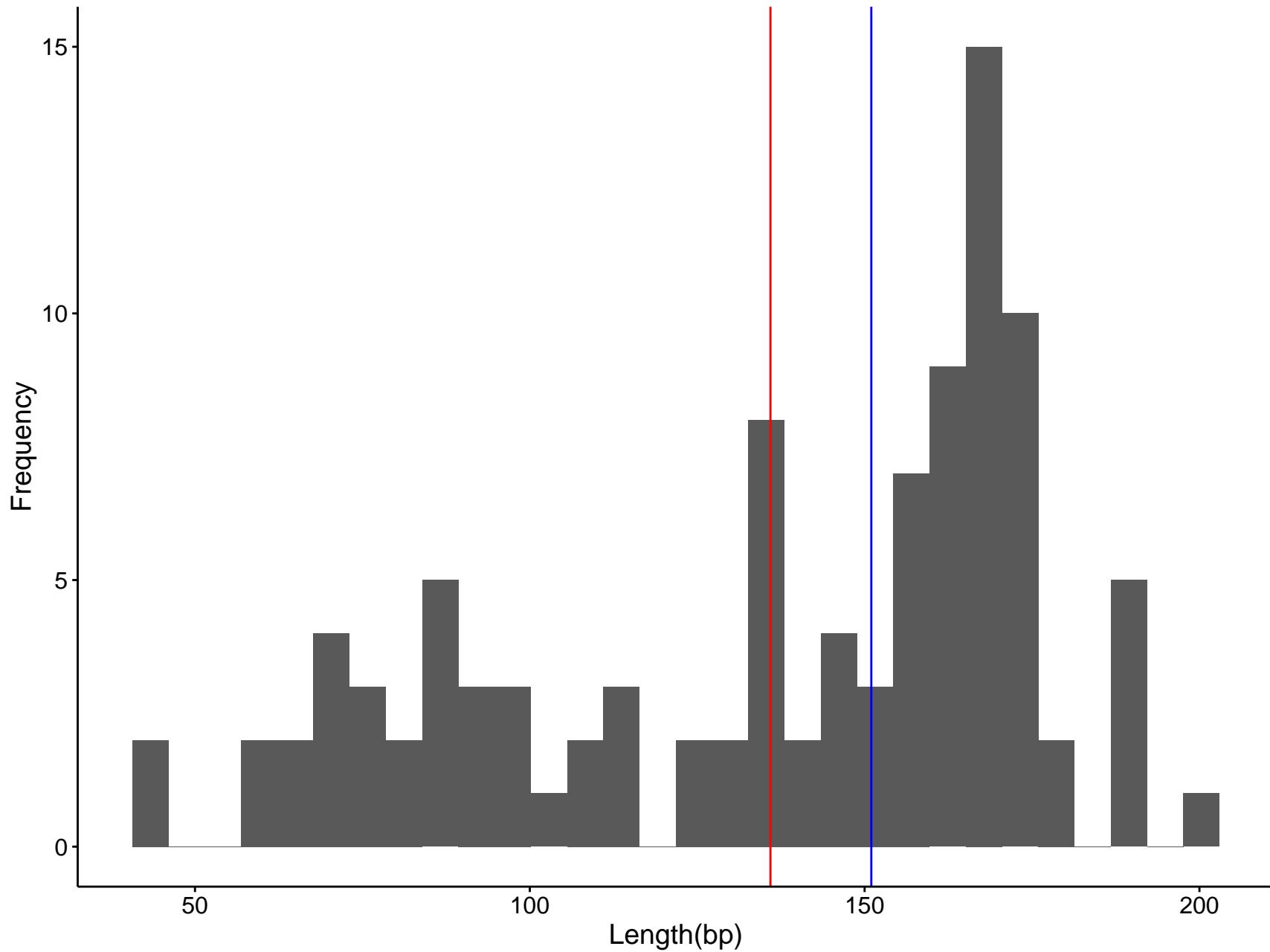
Cluster2309



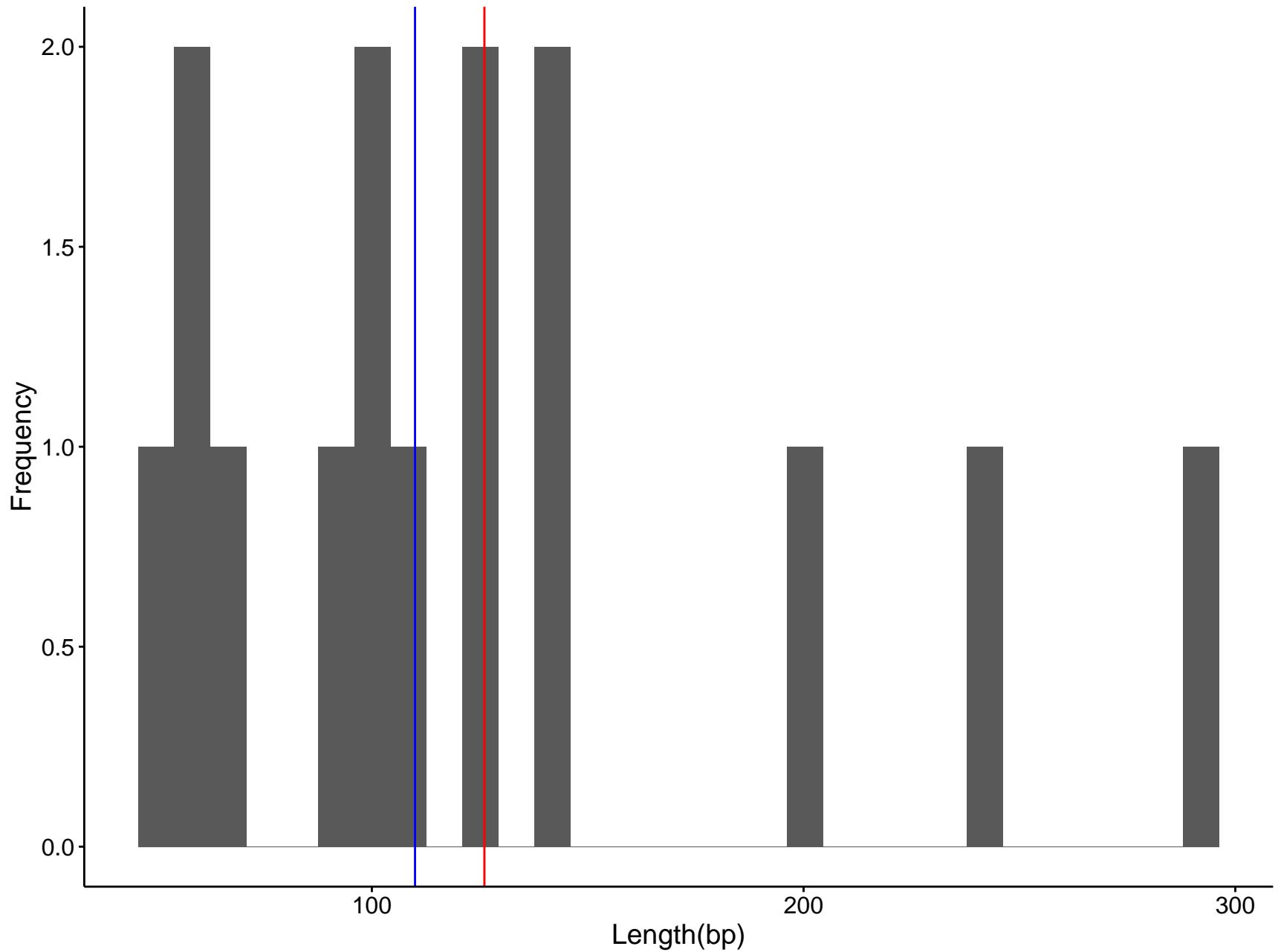
Cluster230



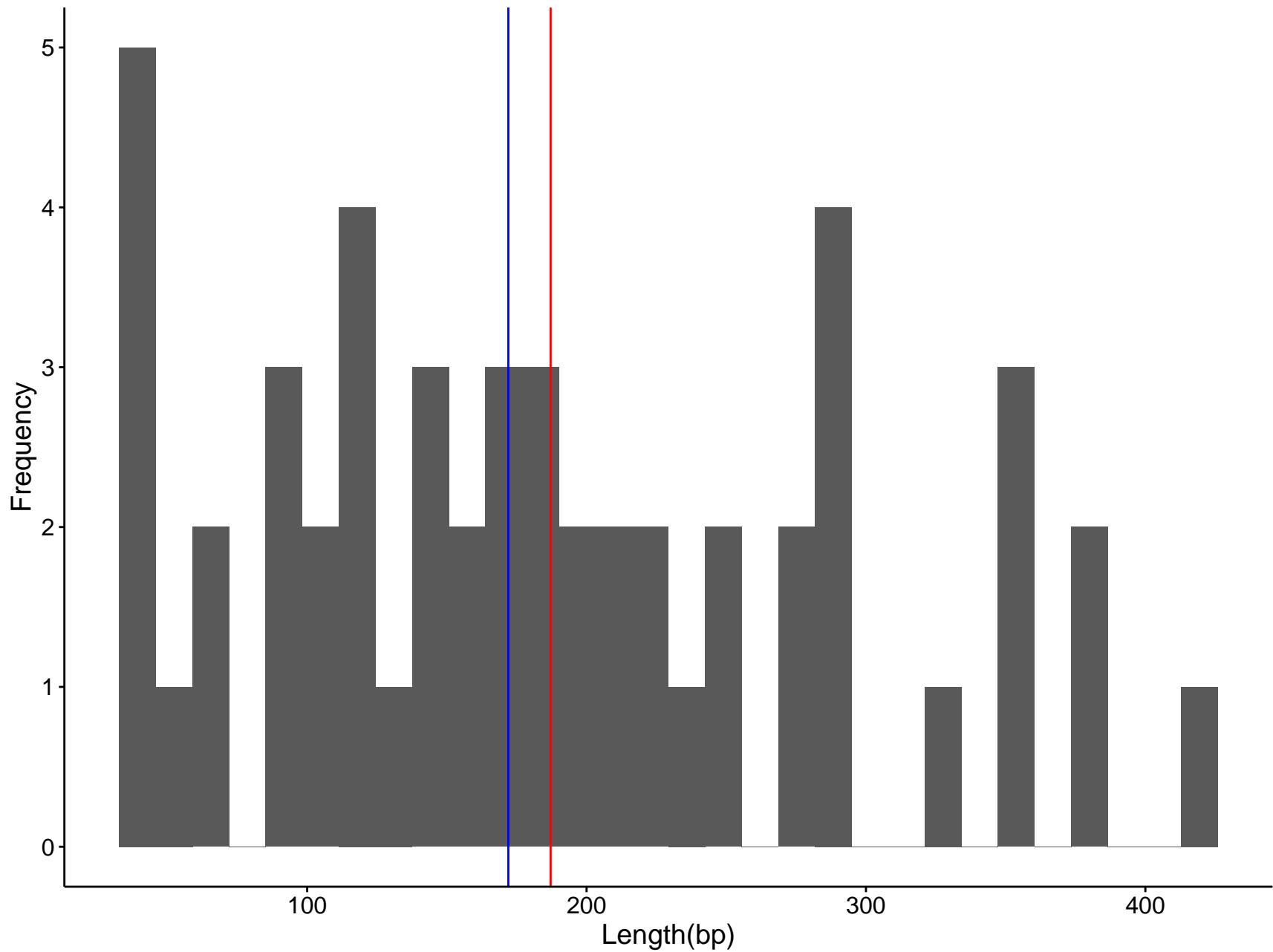
Cluster2310



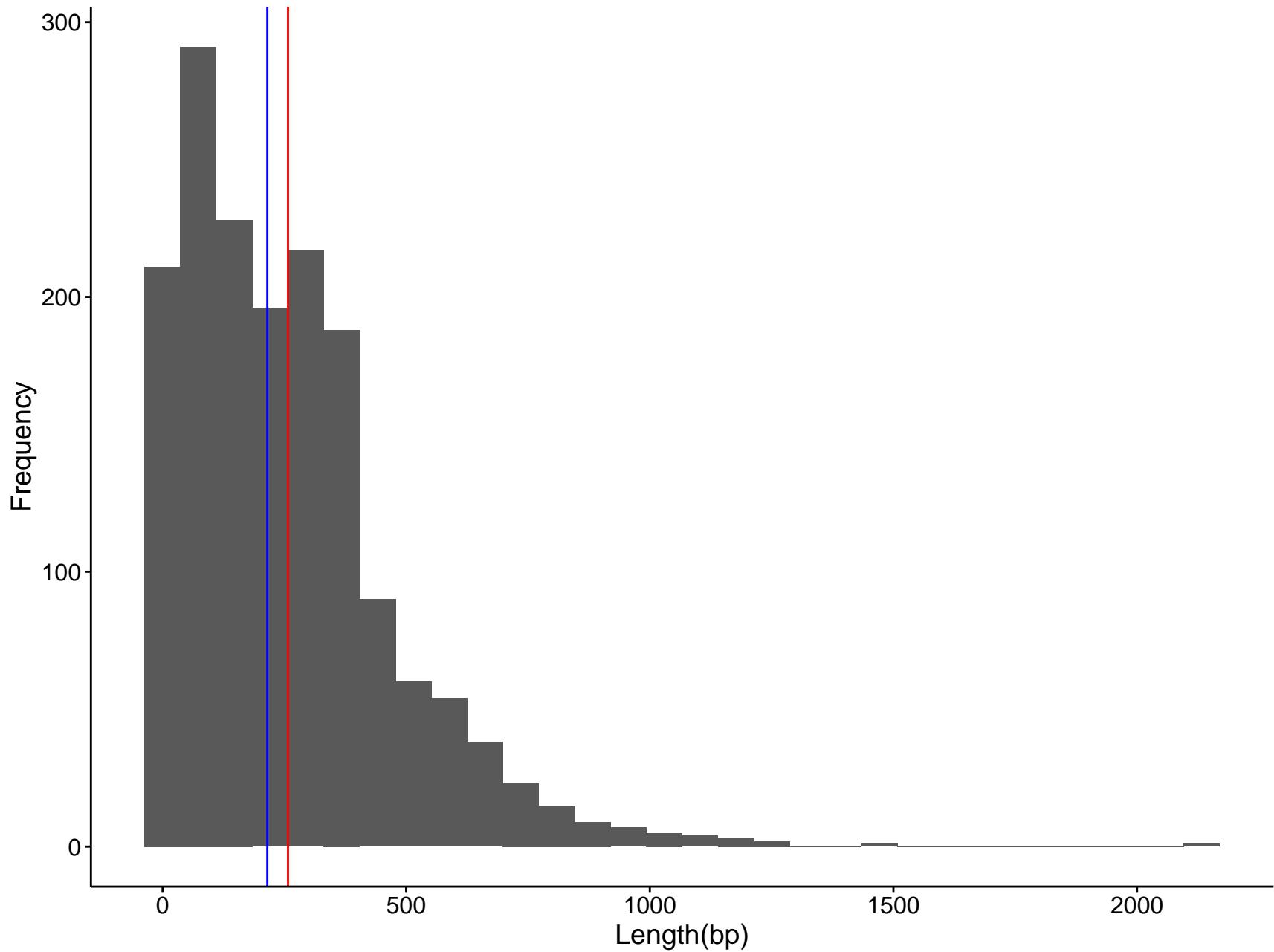
Cluster2311



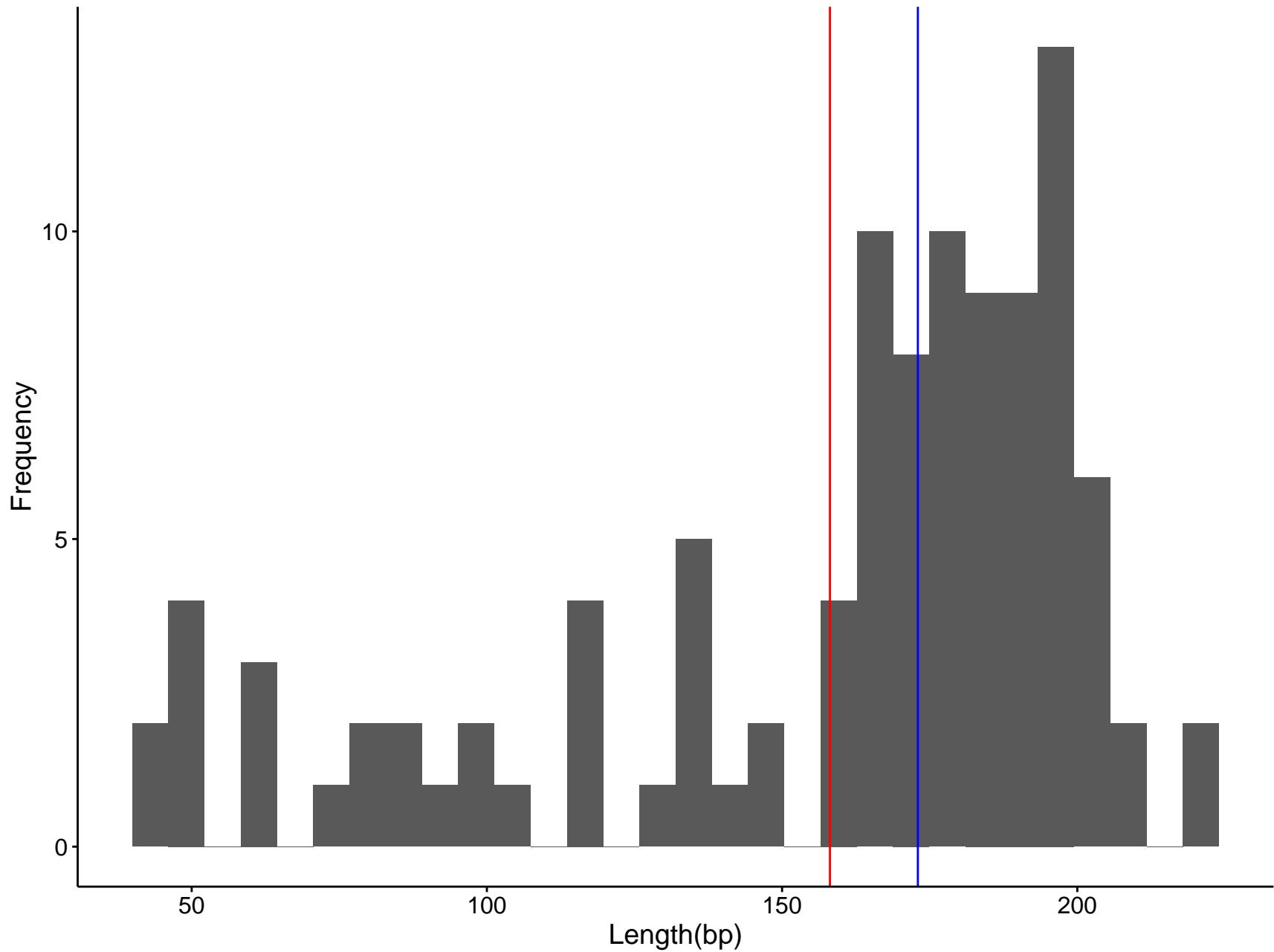
Cluster2312



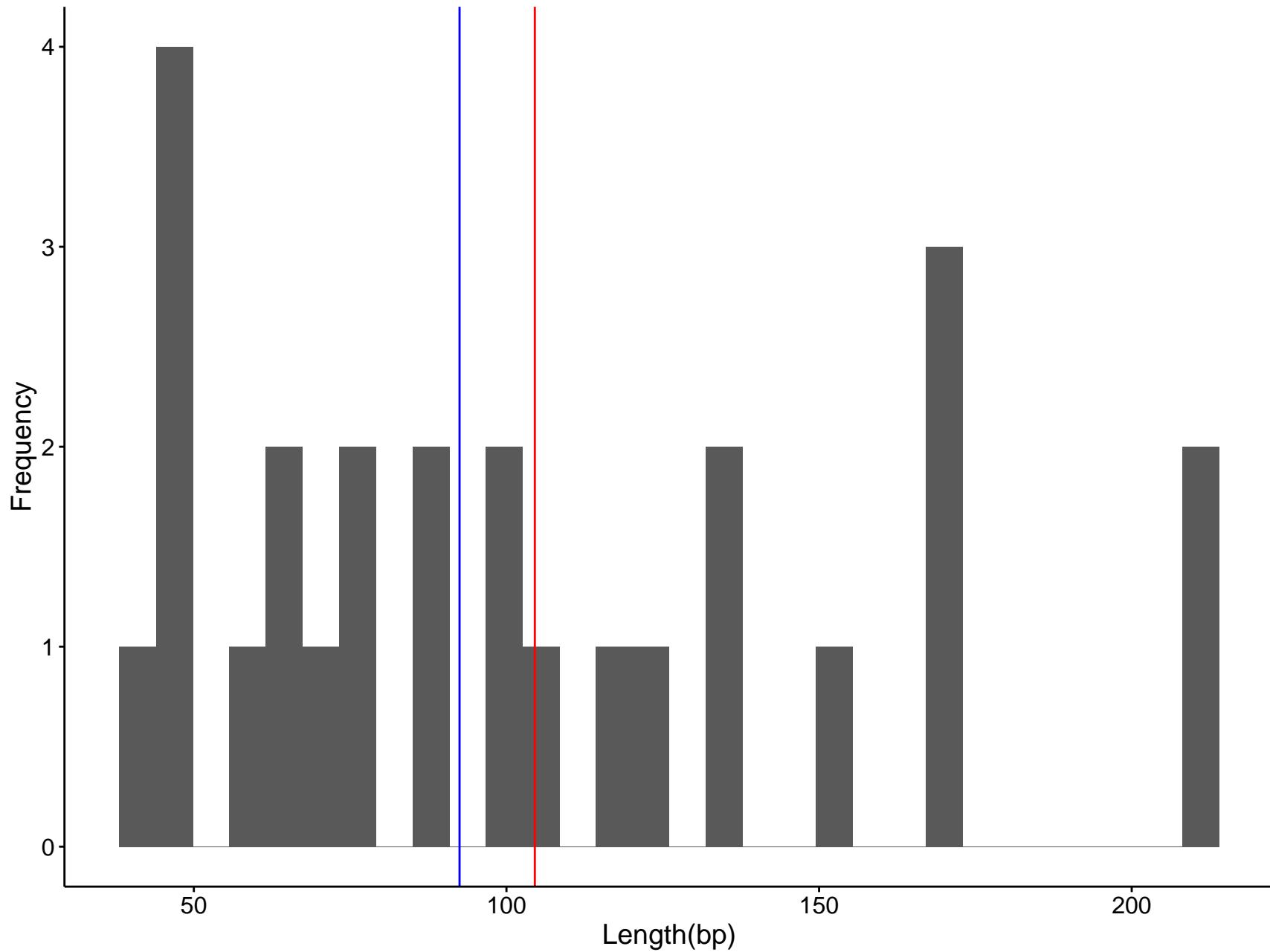
Cluster2313



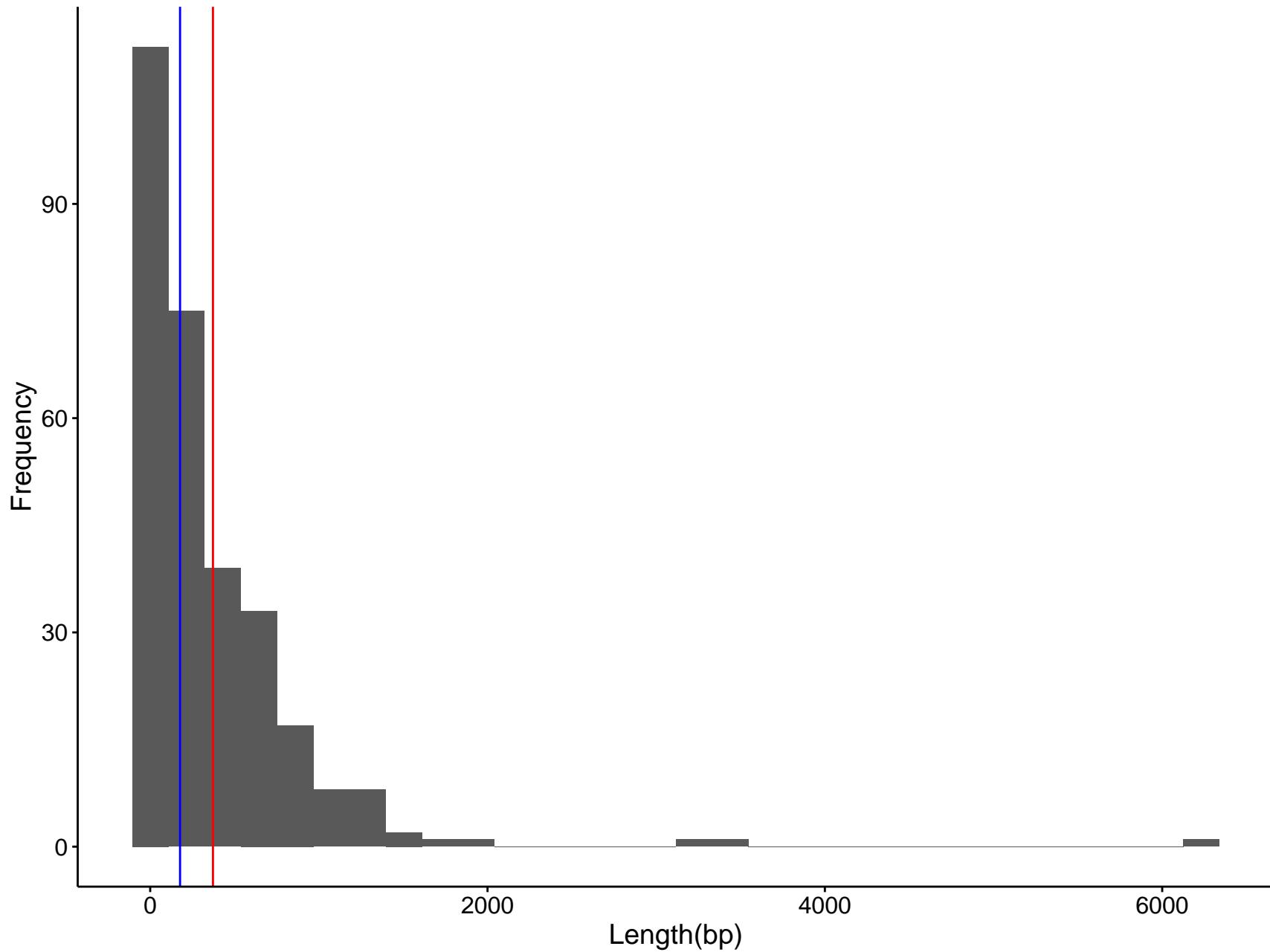
Cluster2314



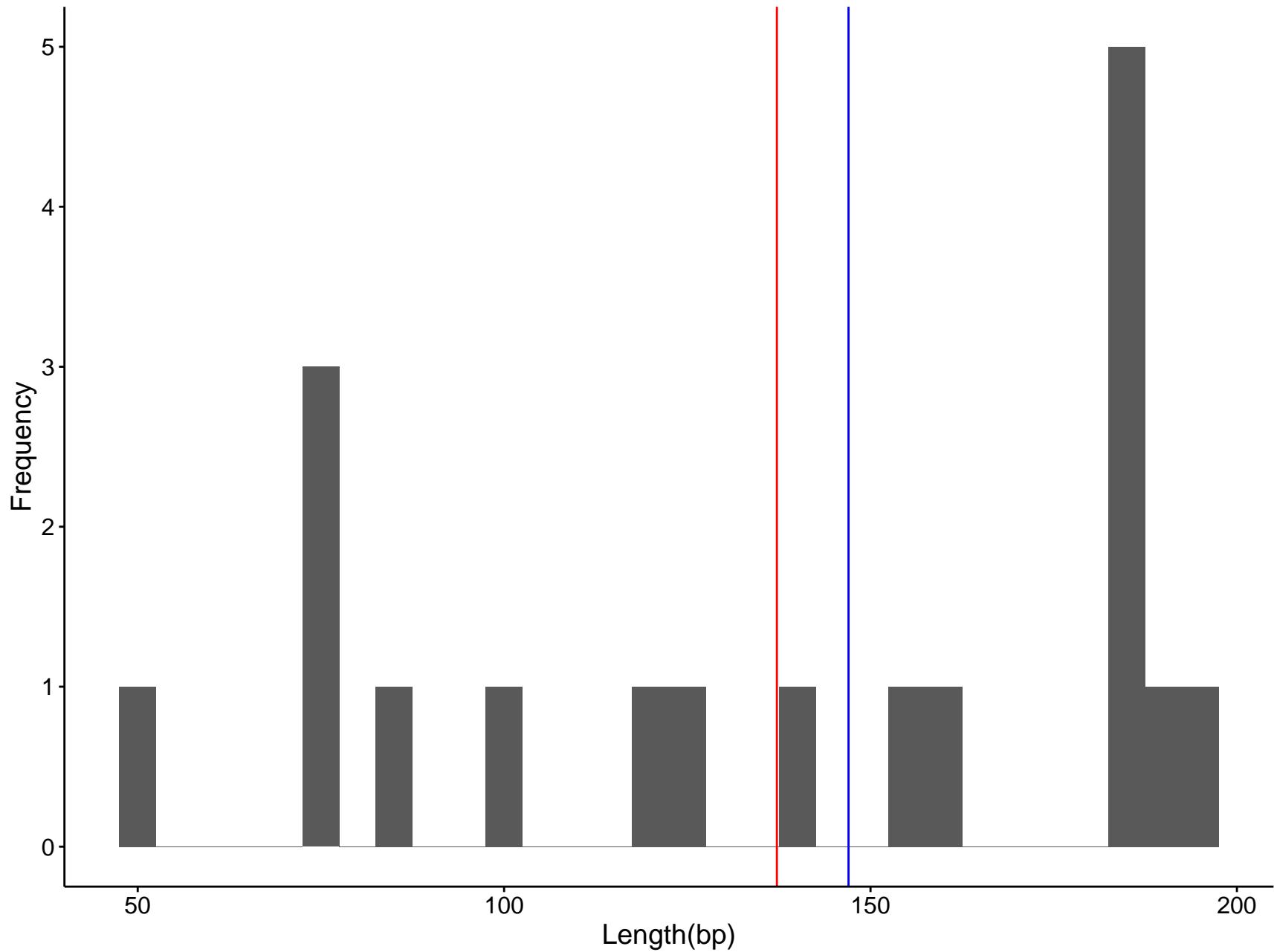
Cluster2316



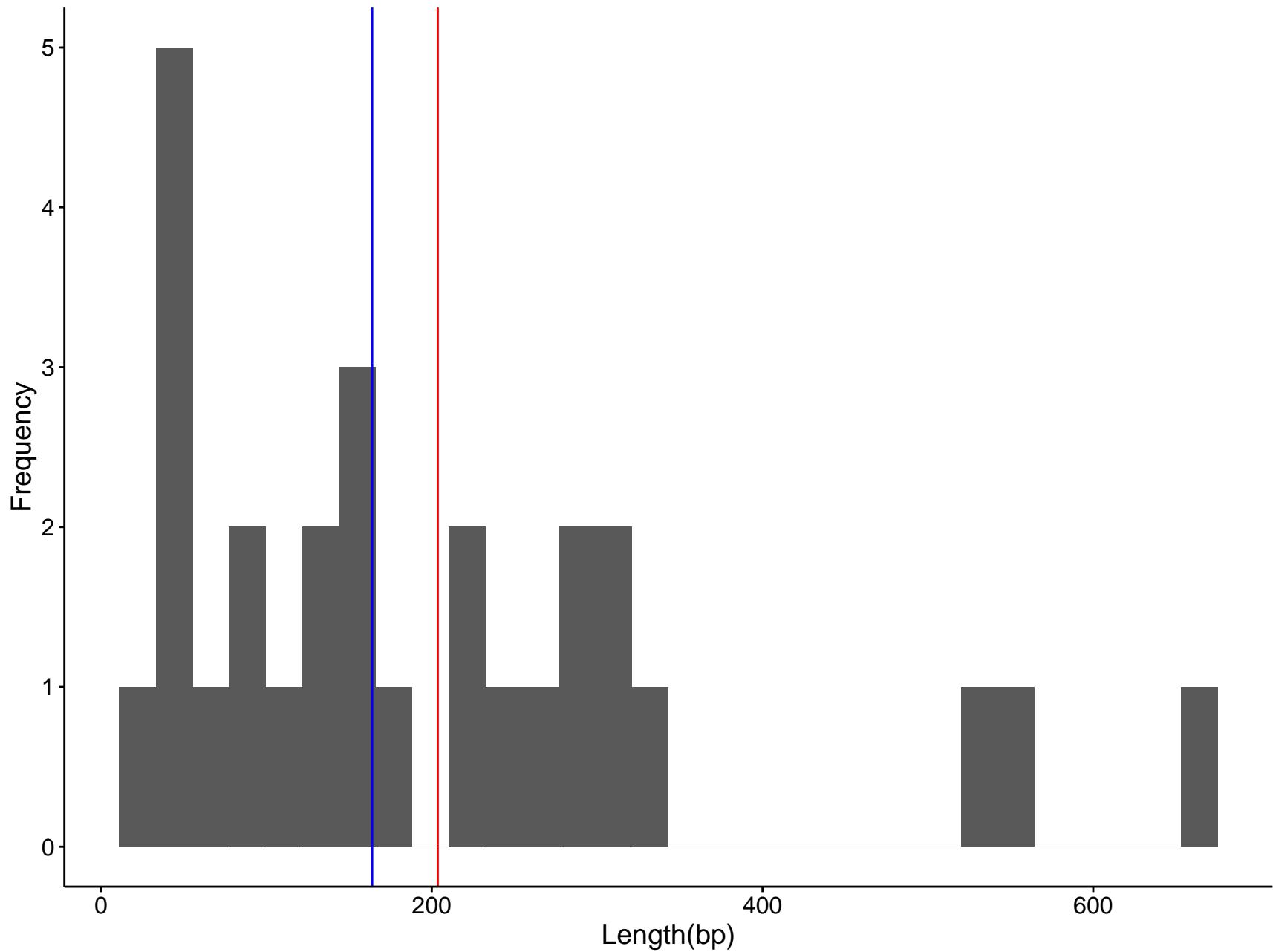
Cluster2317



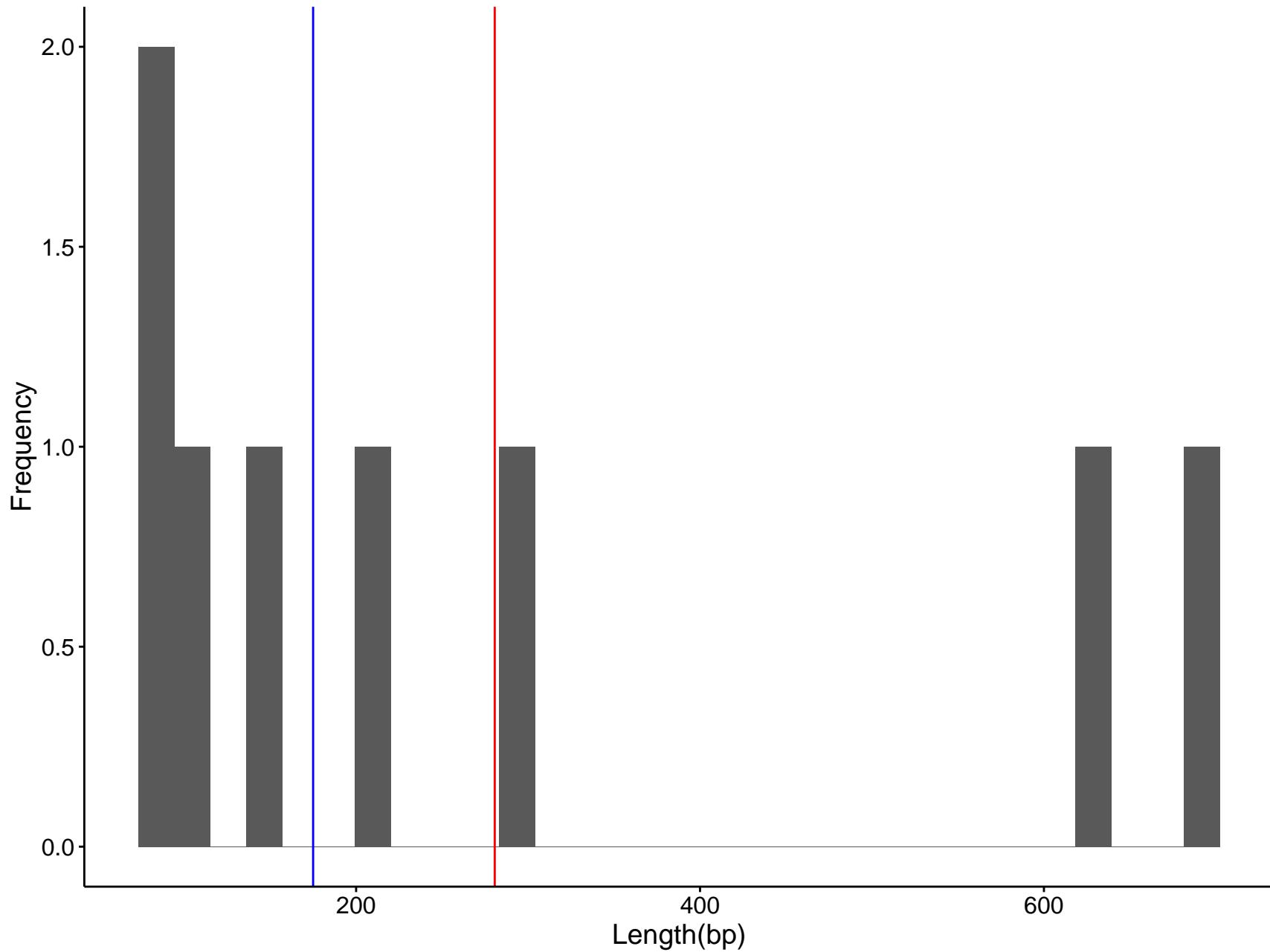
Cluster2318



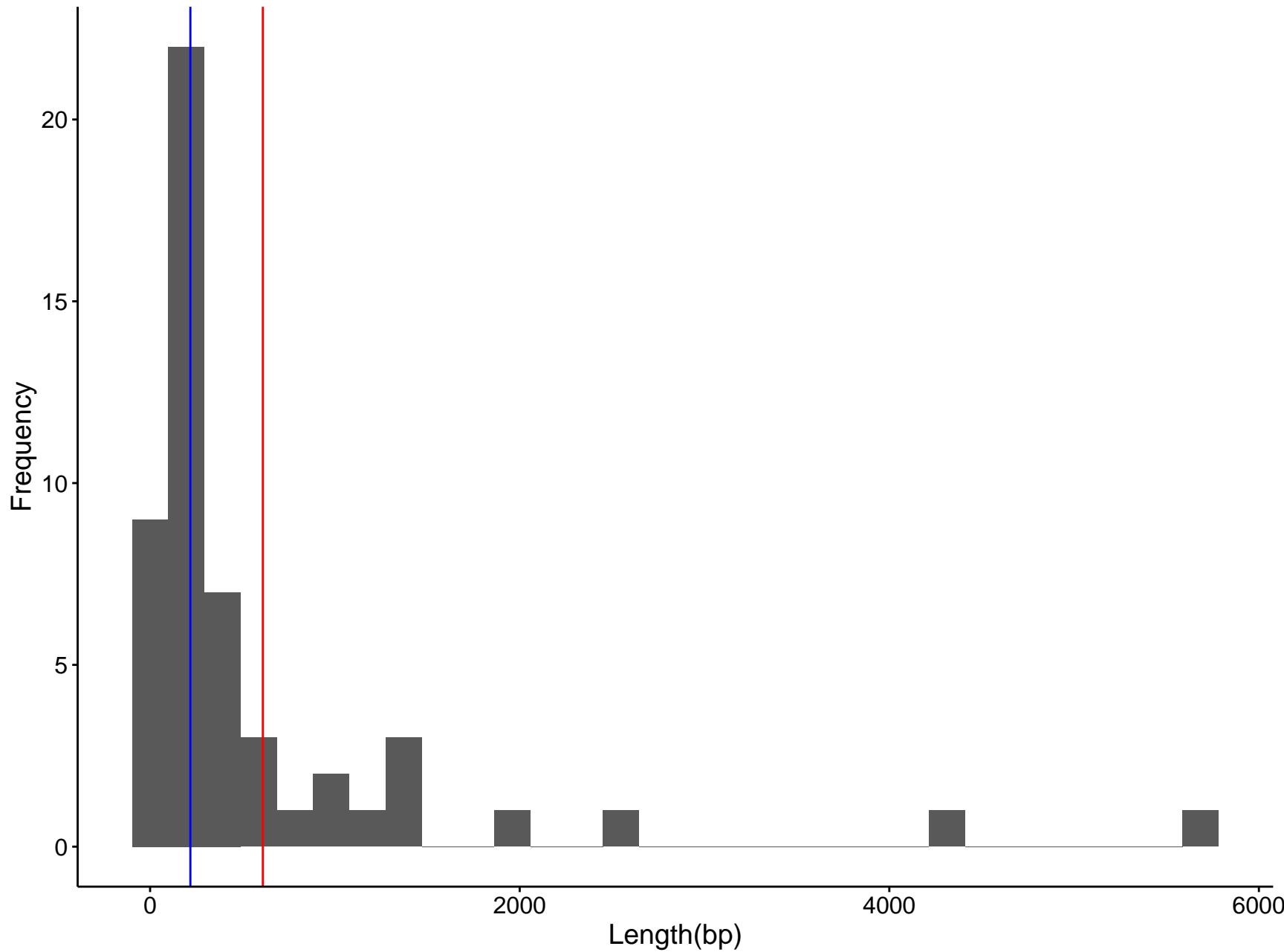
Cluster2319



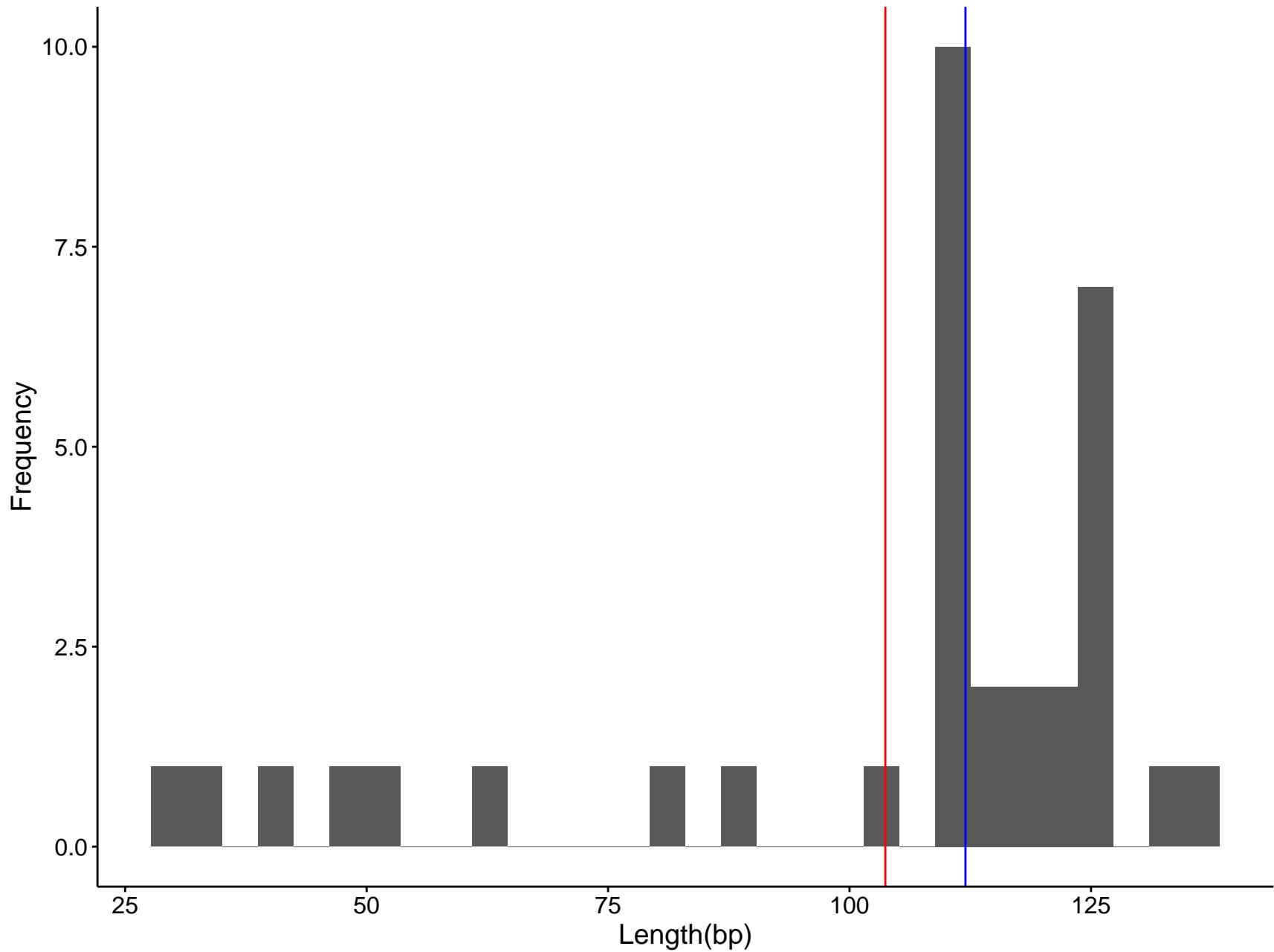
Cluster231



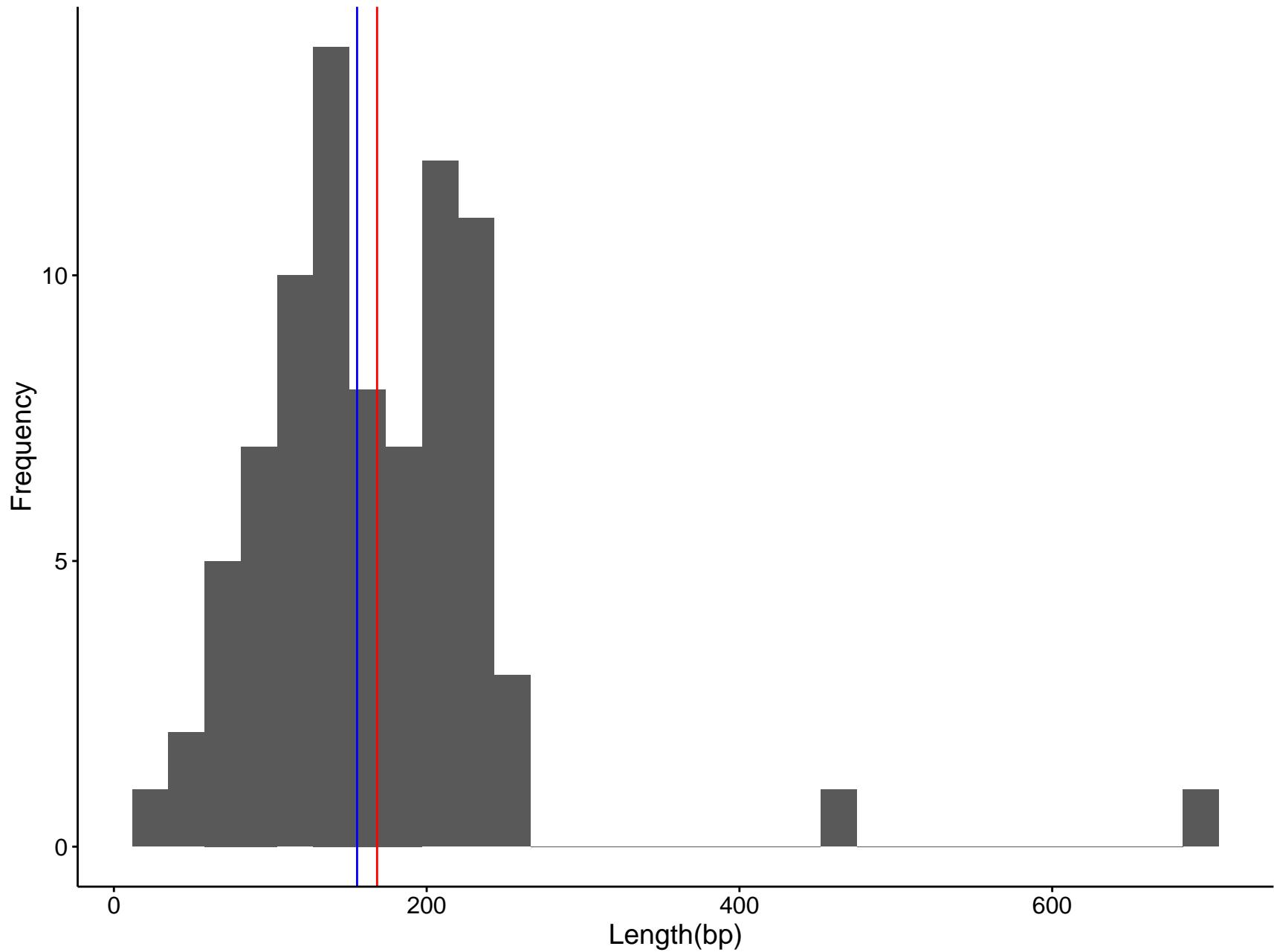
Cluster2320



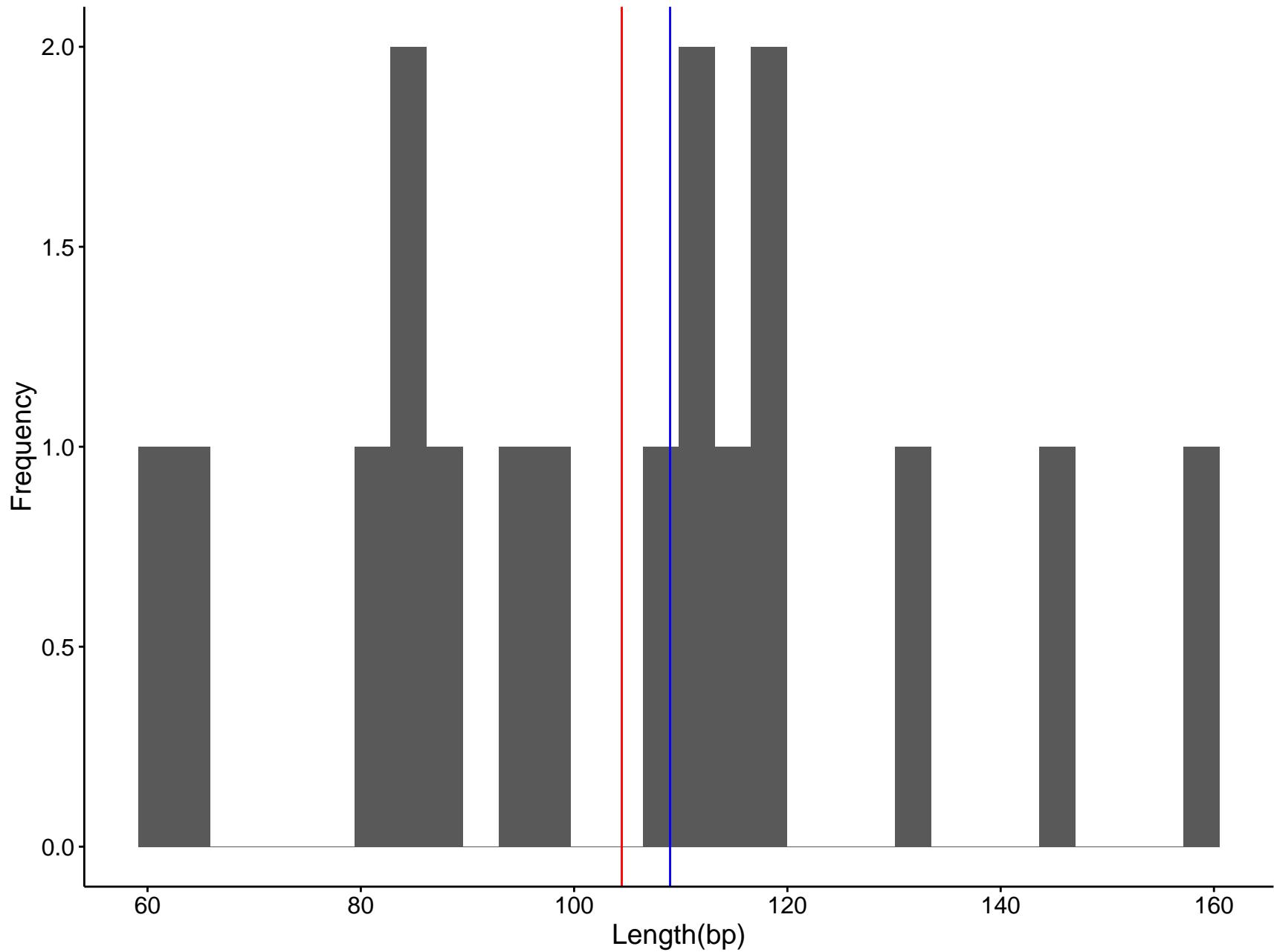
Cluster2321



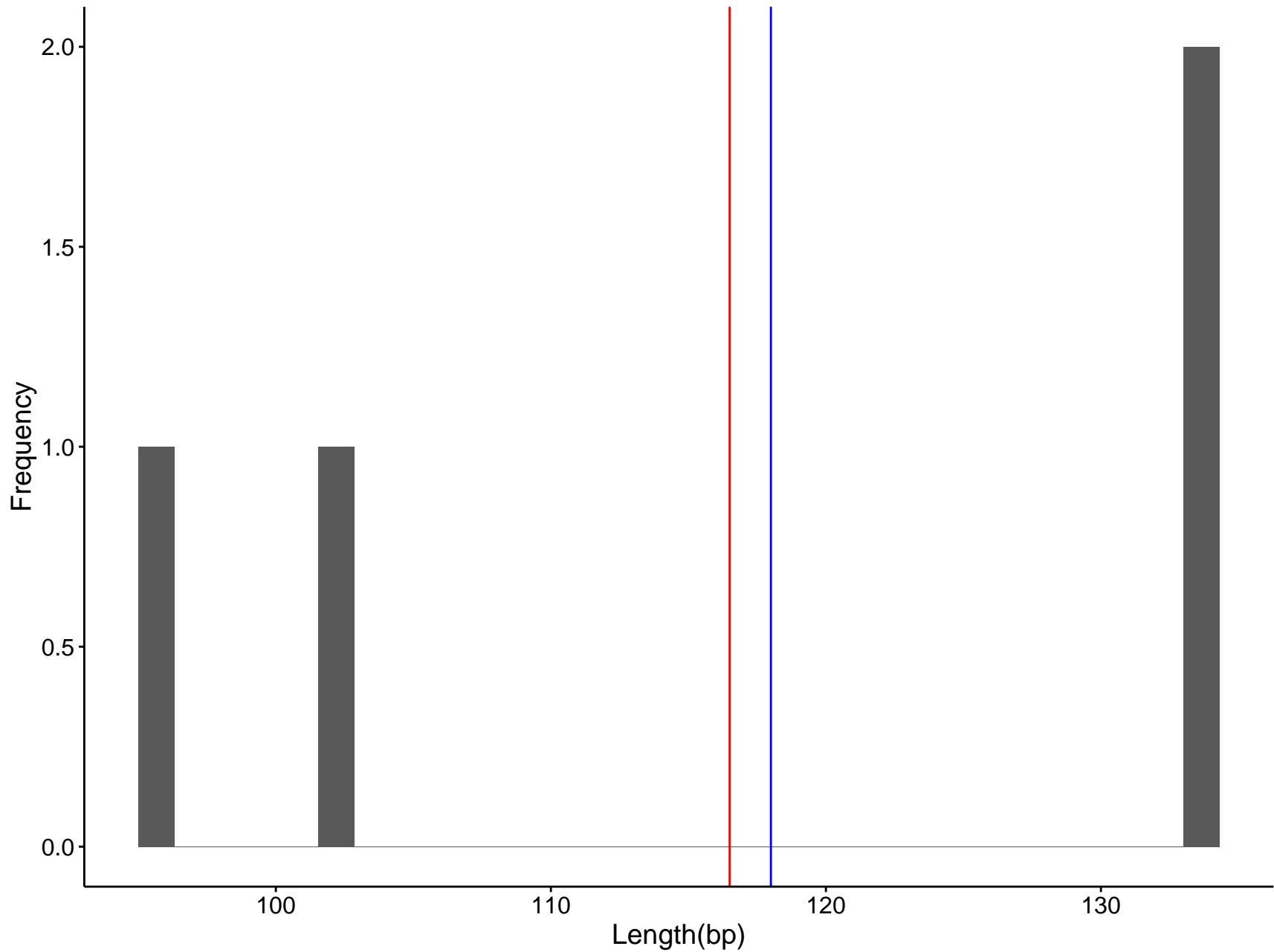
Cluster2322



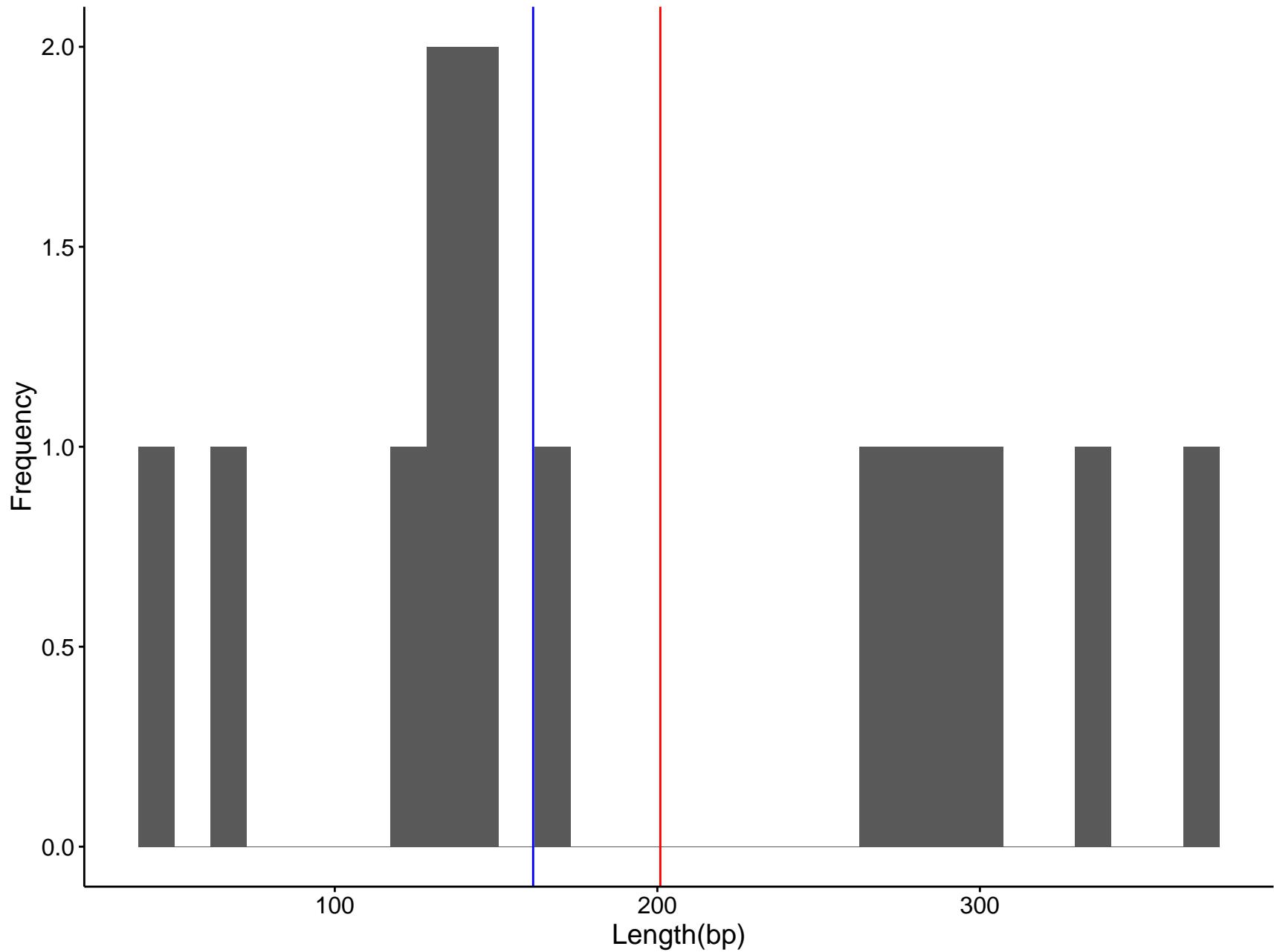
Cluster2323



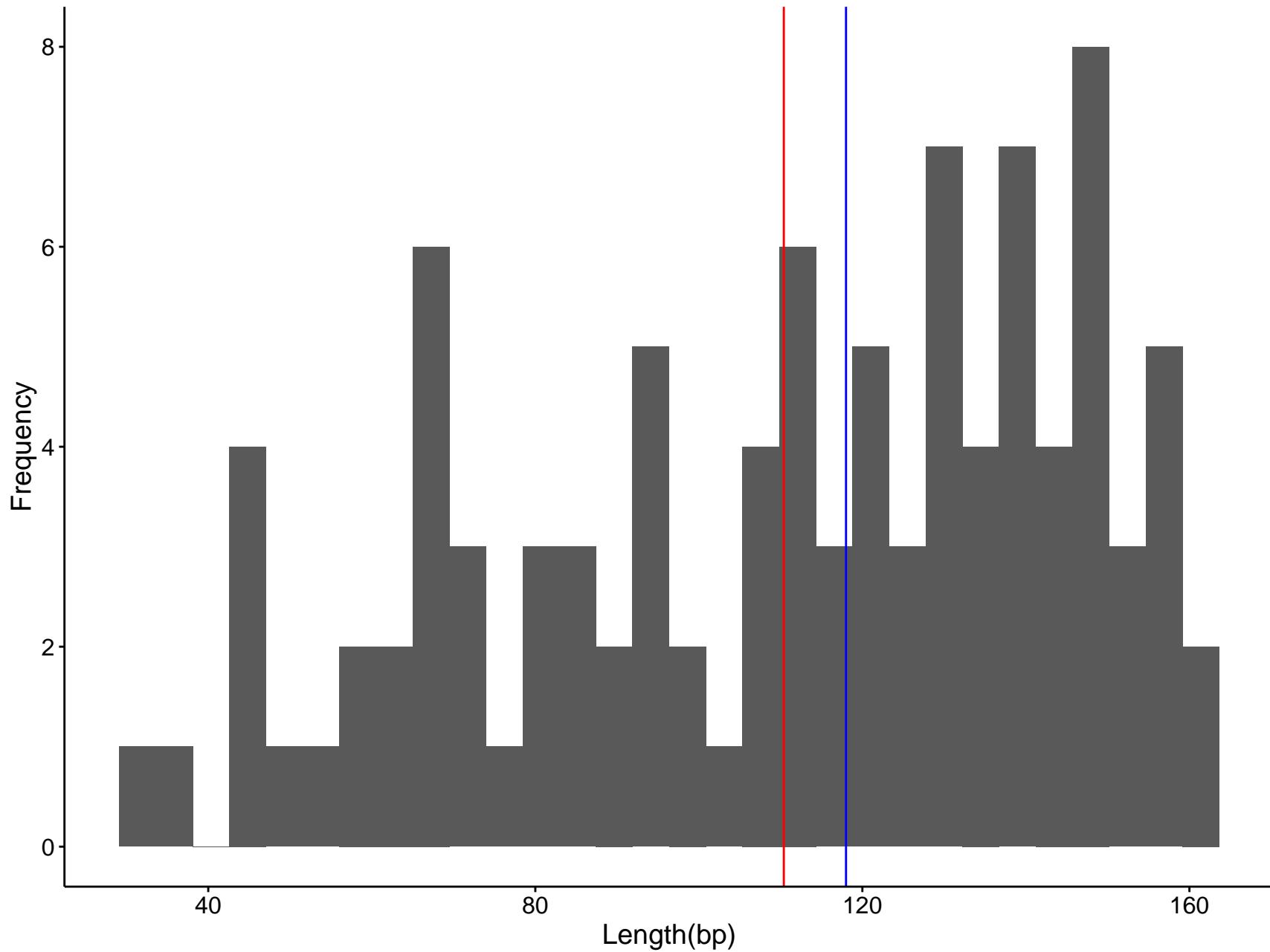
Cluster2324



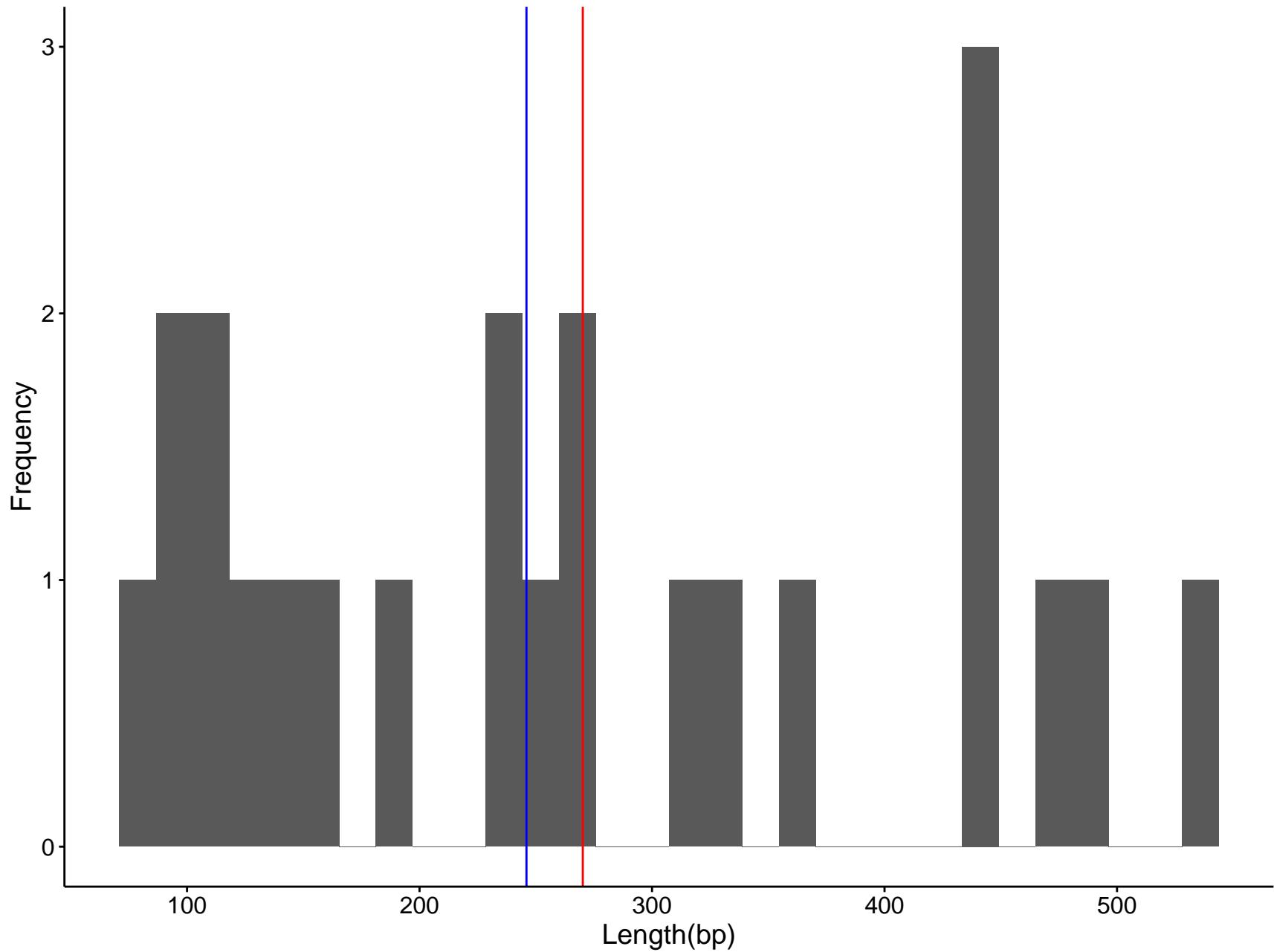
Cluster2325



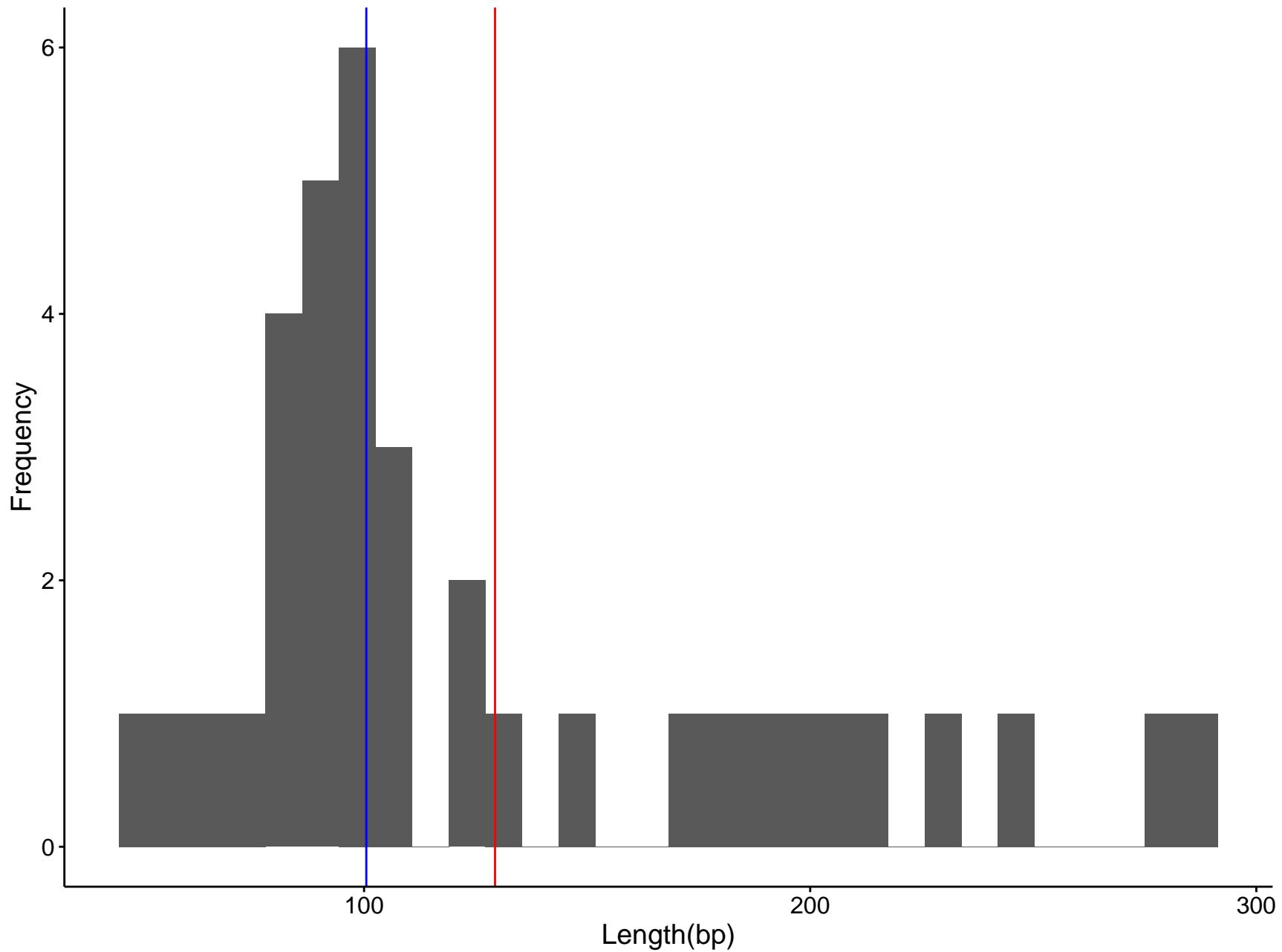
Cluster2327



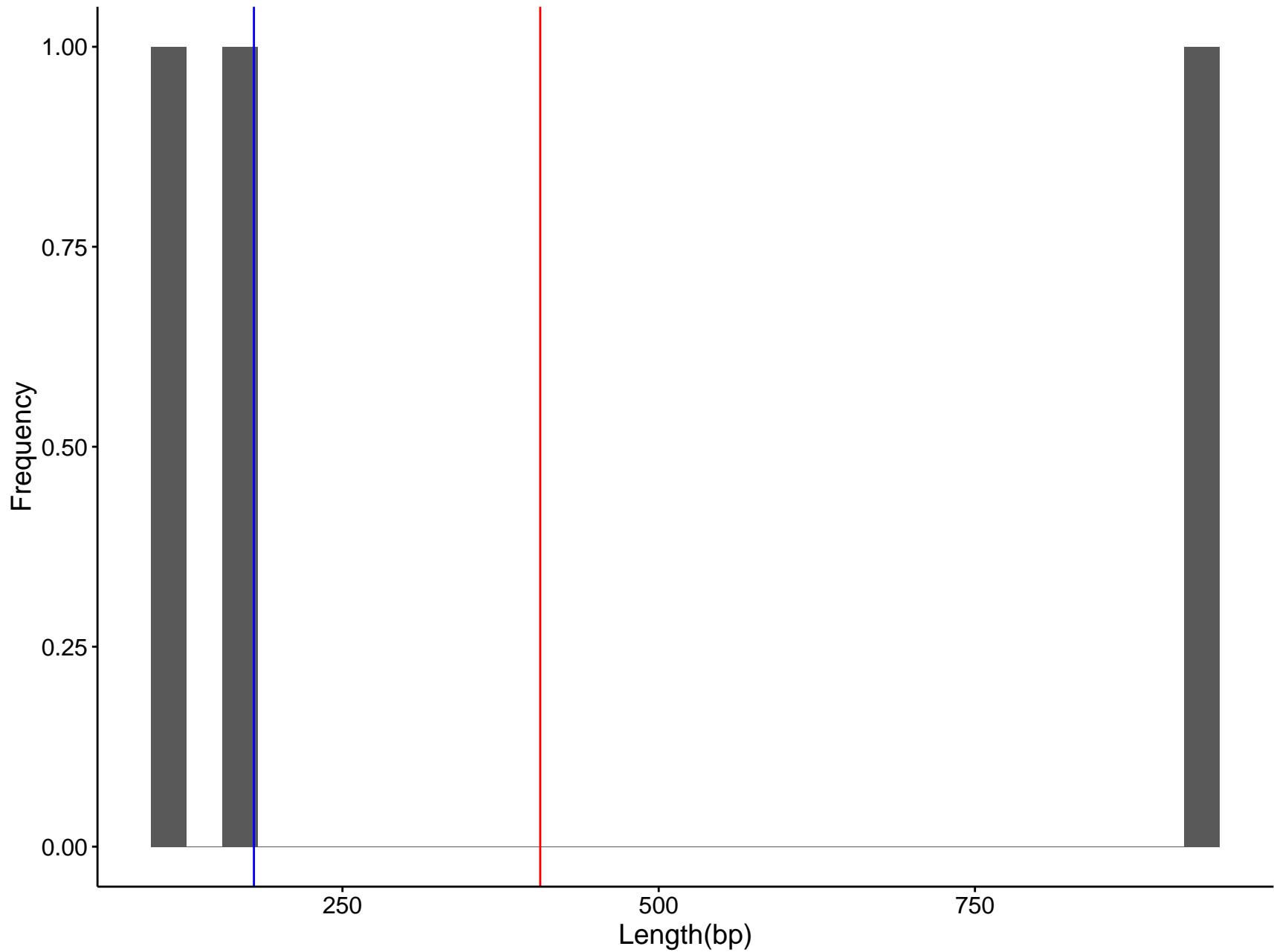
Cluster2328



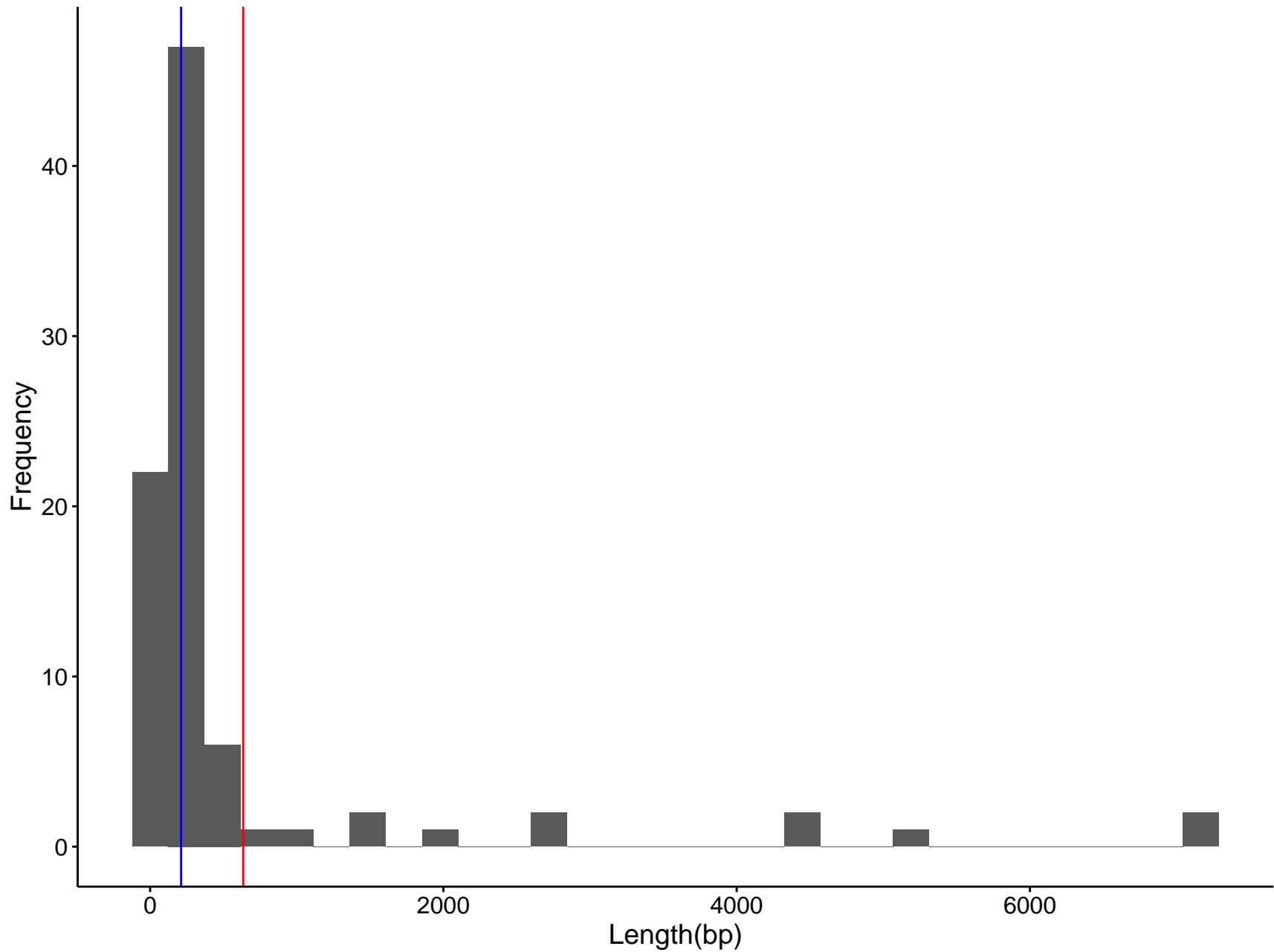
Cluster2329



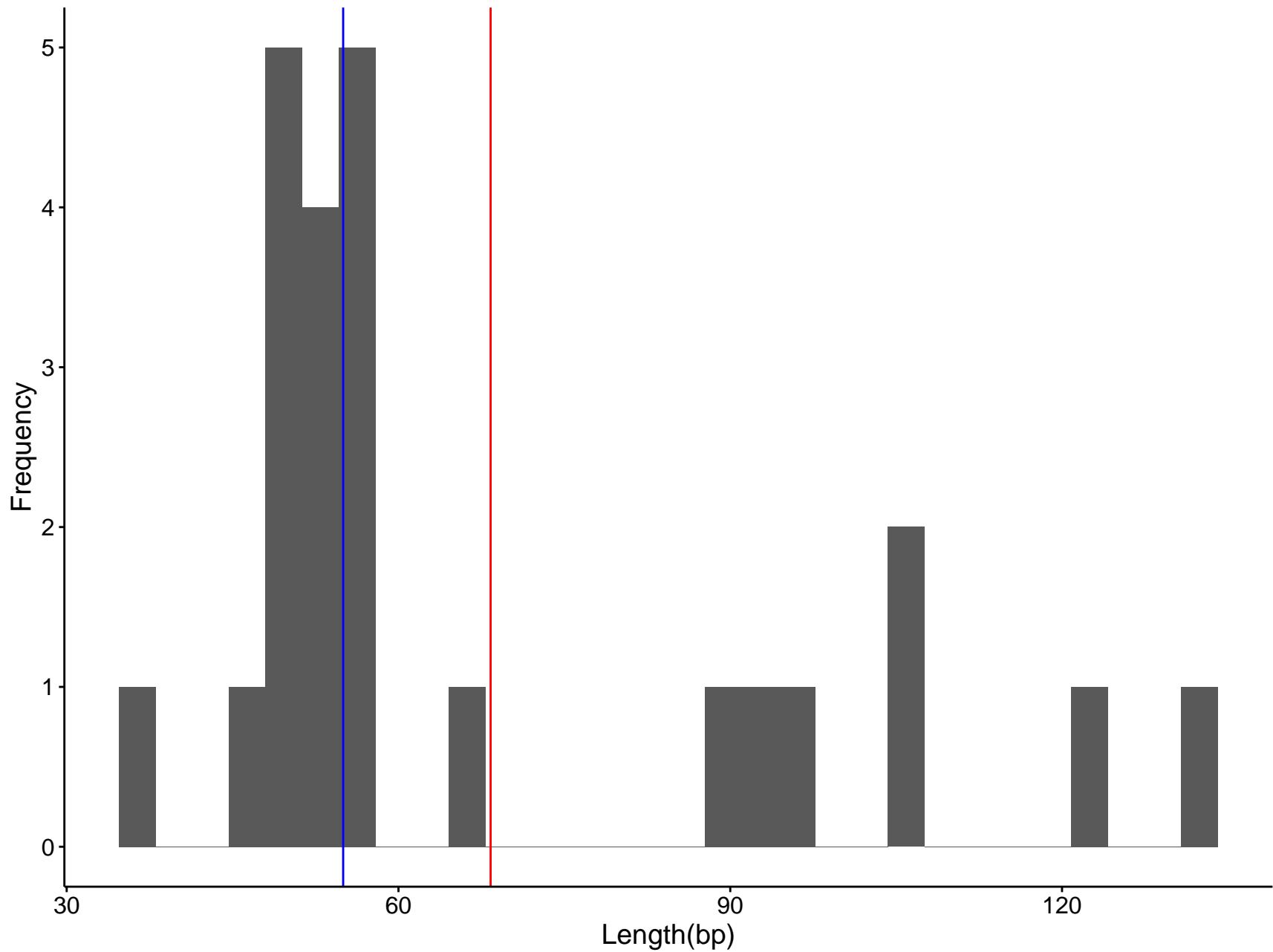
Cluster232



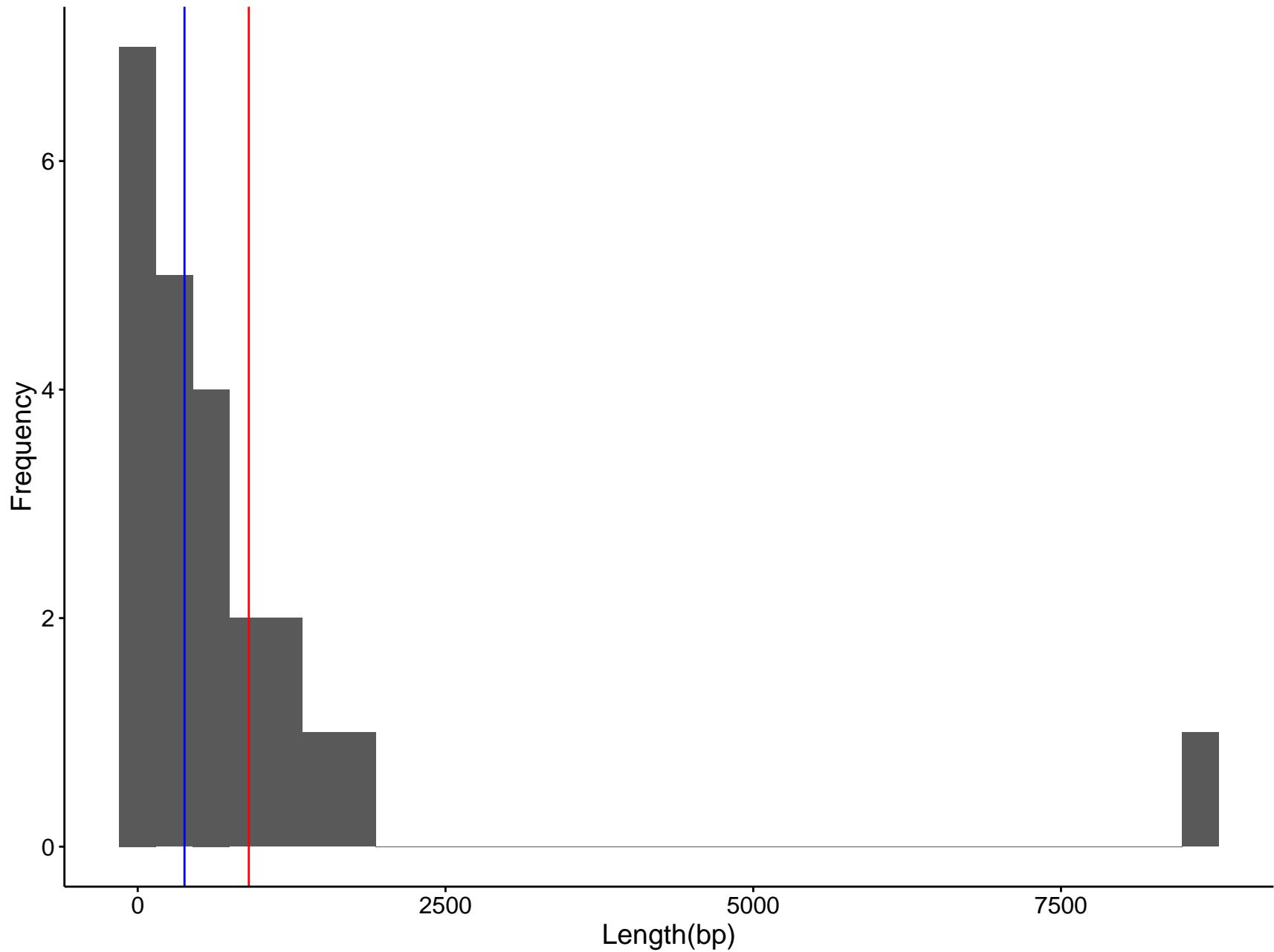
Cluster2330



Cluster2333



Cluster2338



# Cluster233

Frequency

909.950

909.975

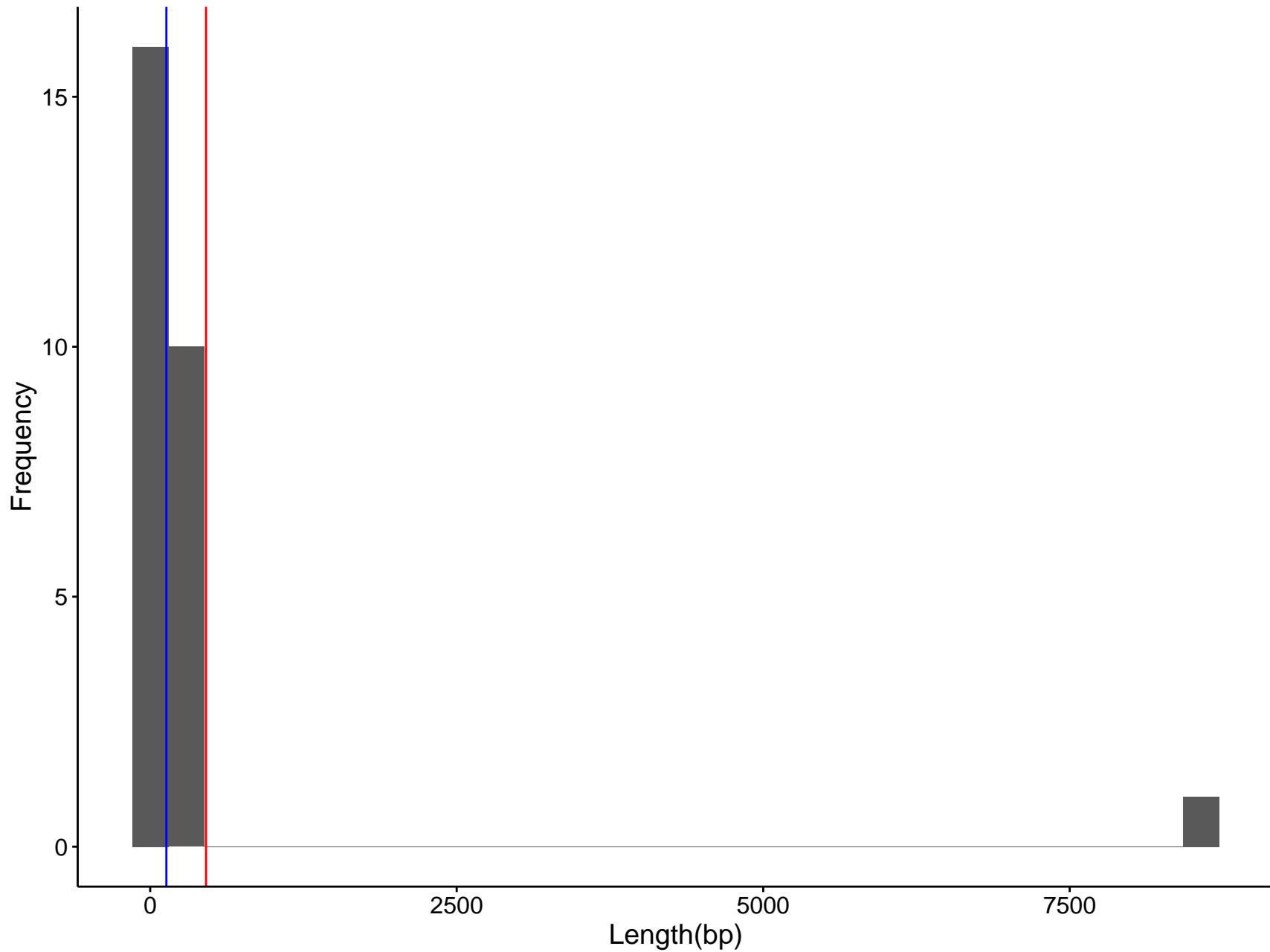
910.000

910.025

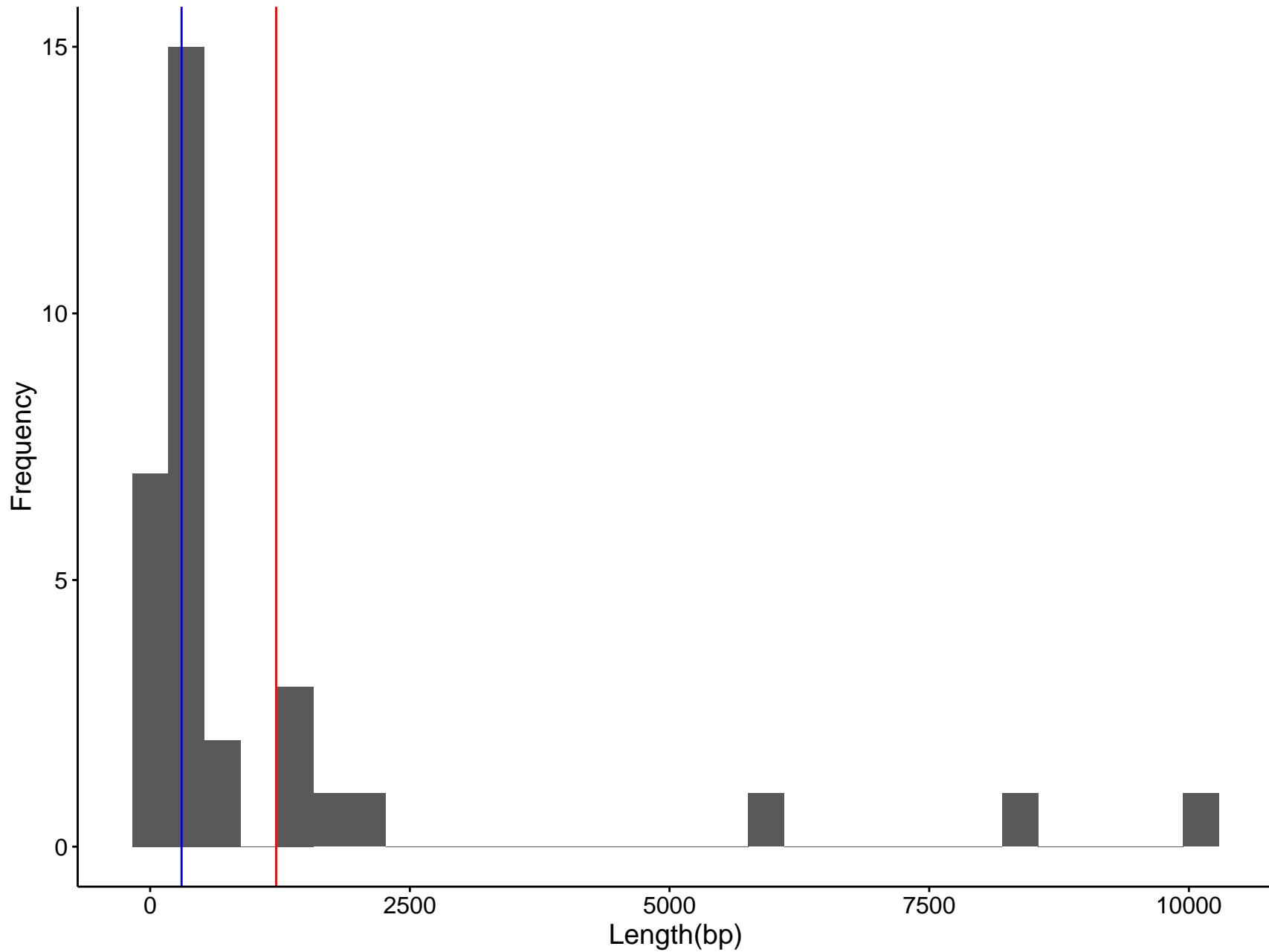
Length(bp)



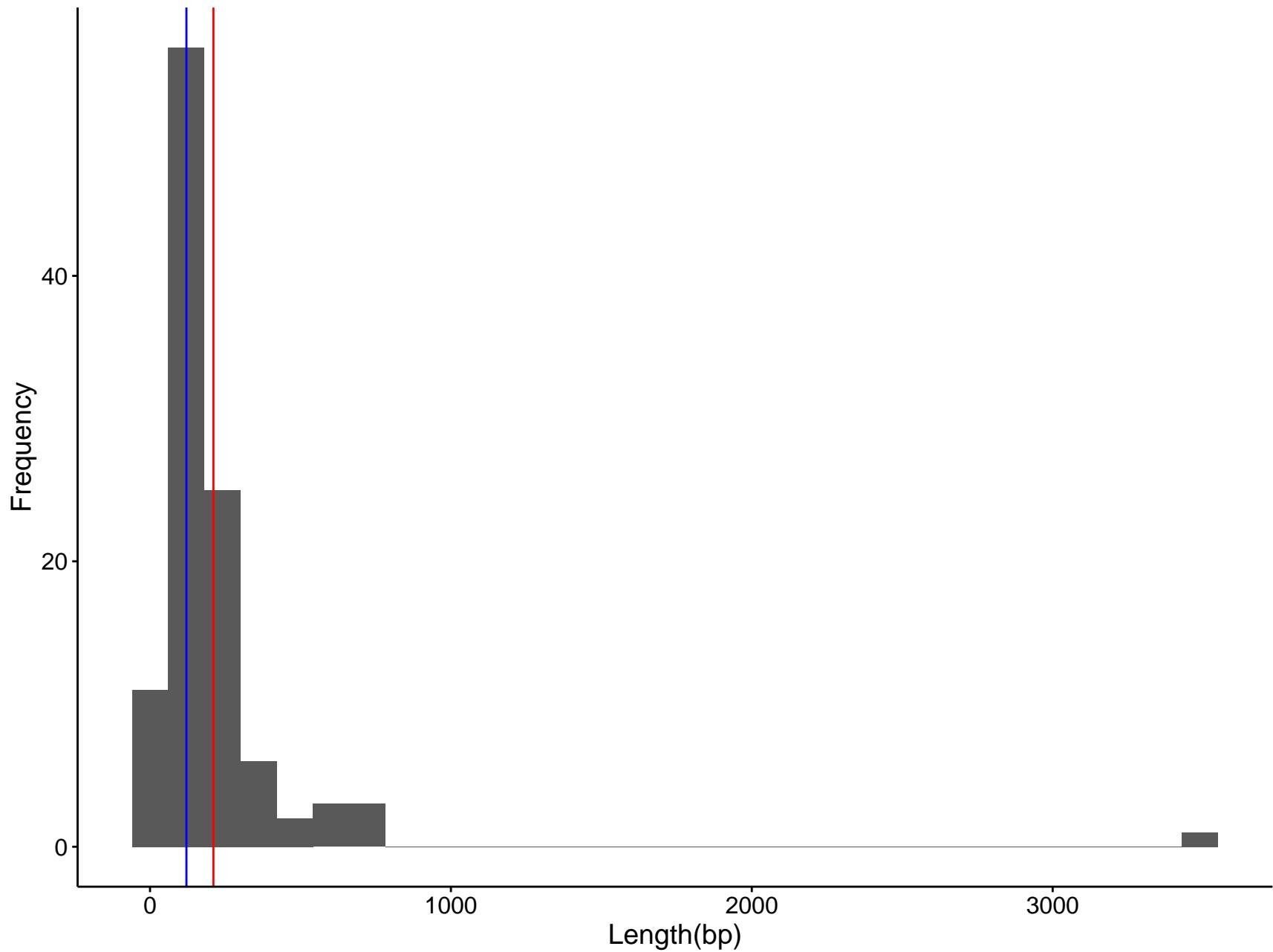
Cluster2340



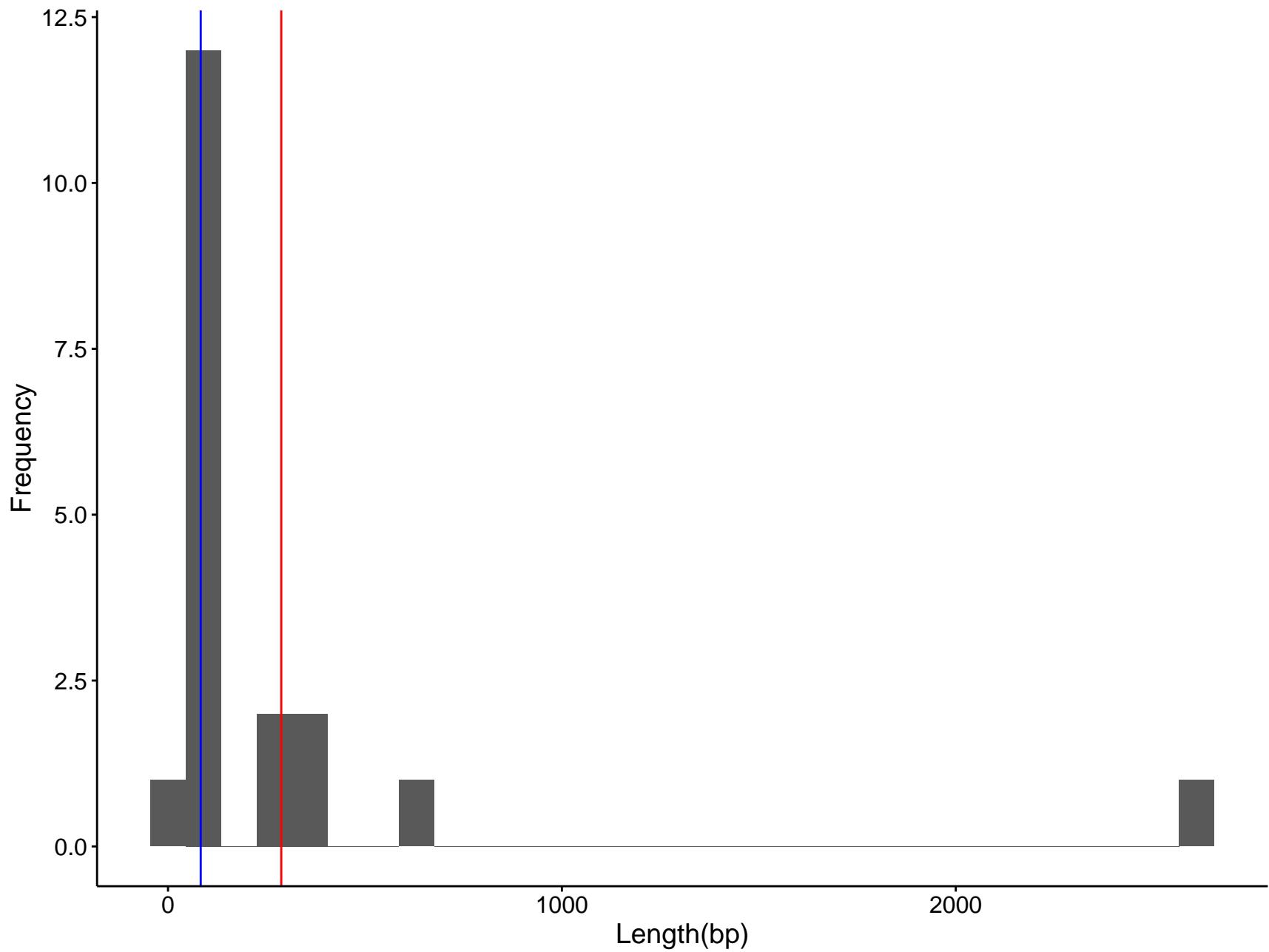
Cluster2341



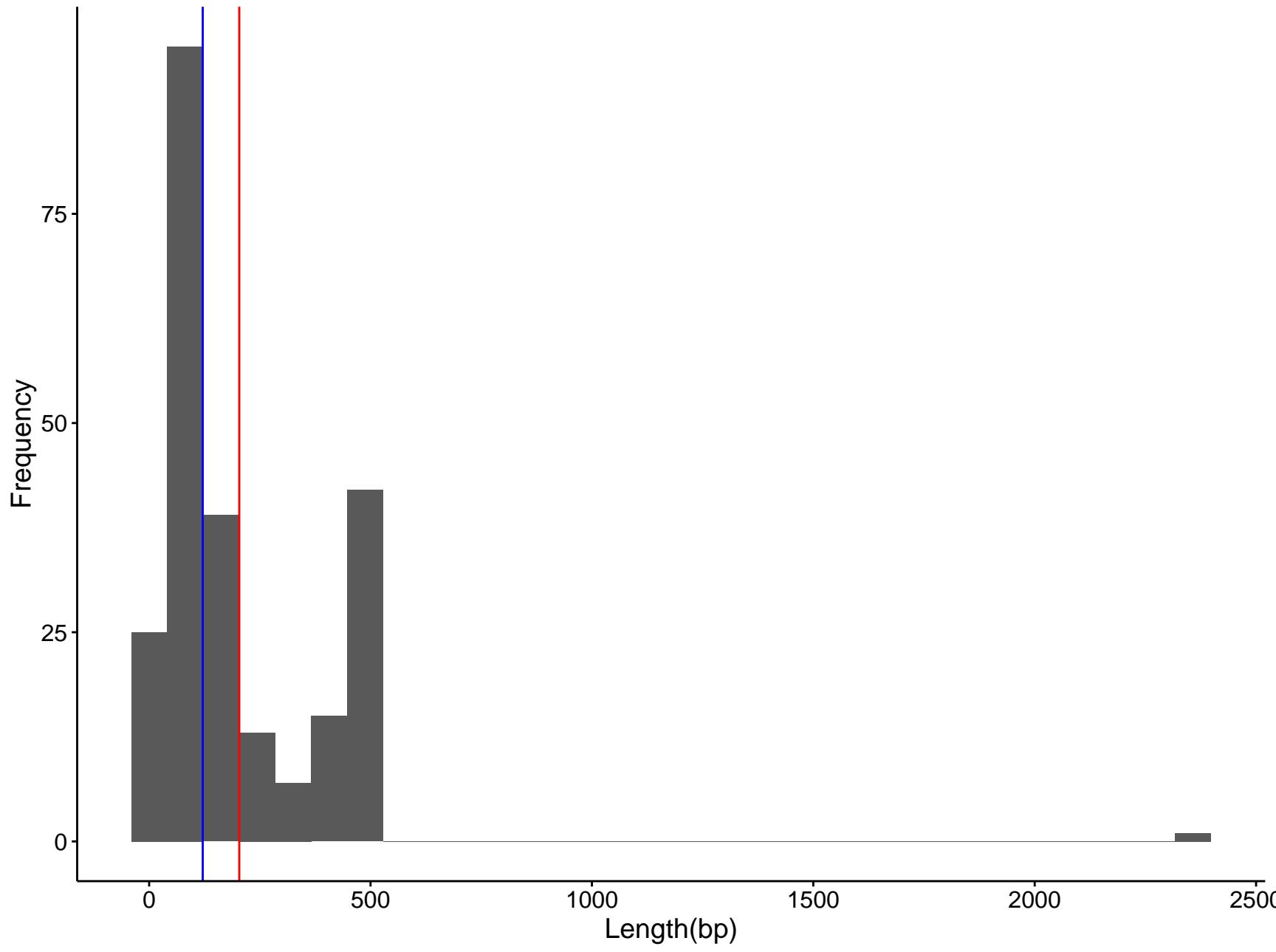
Cluster2342



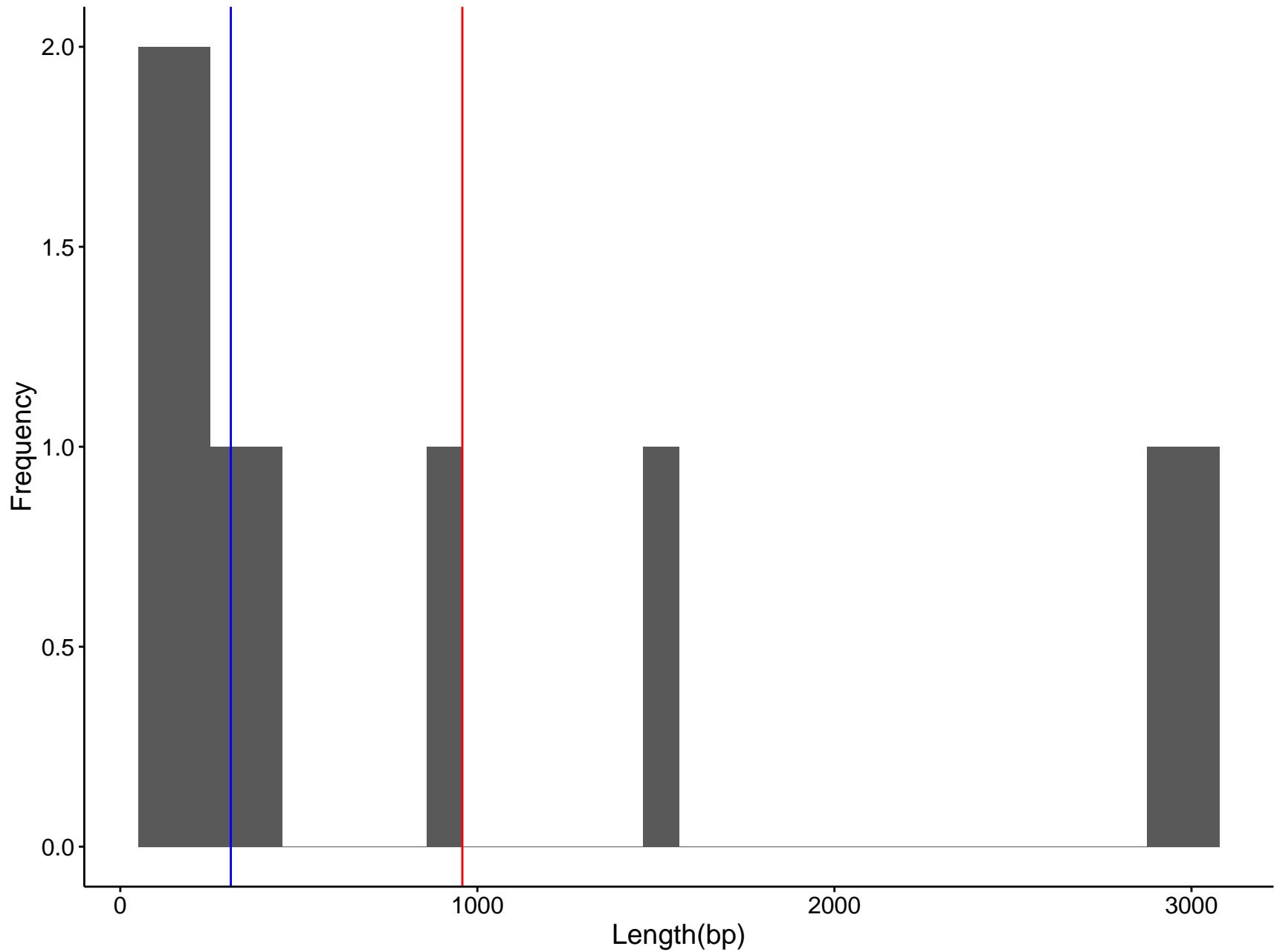
Cluster2343



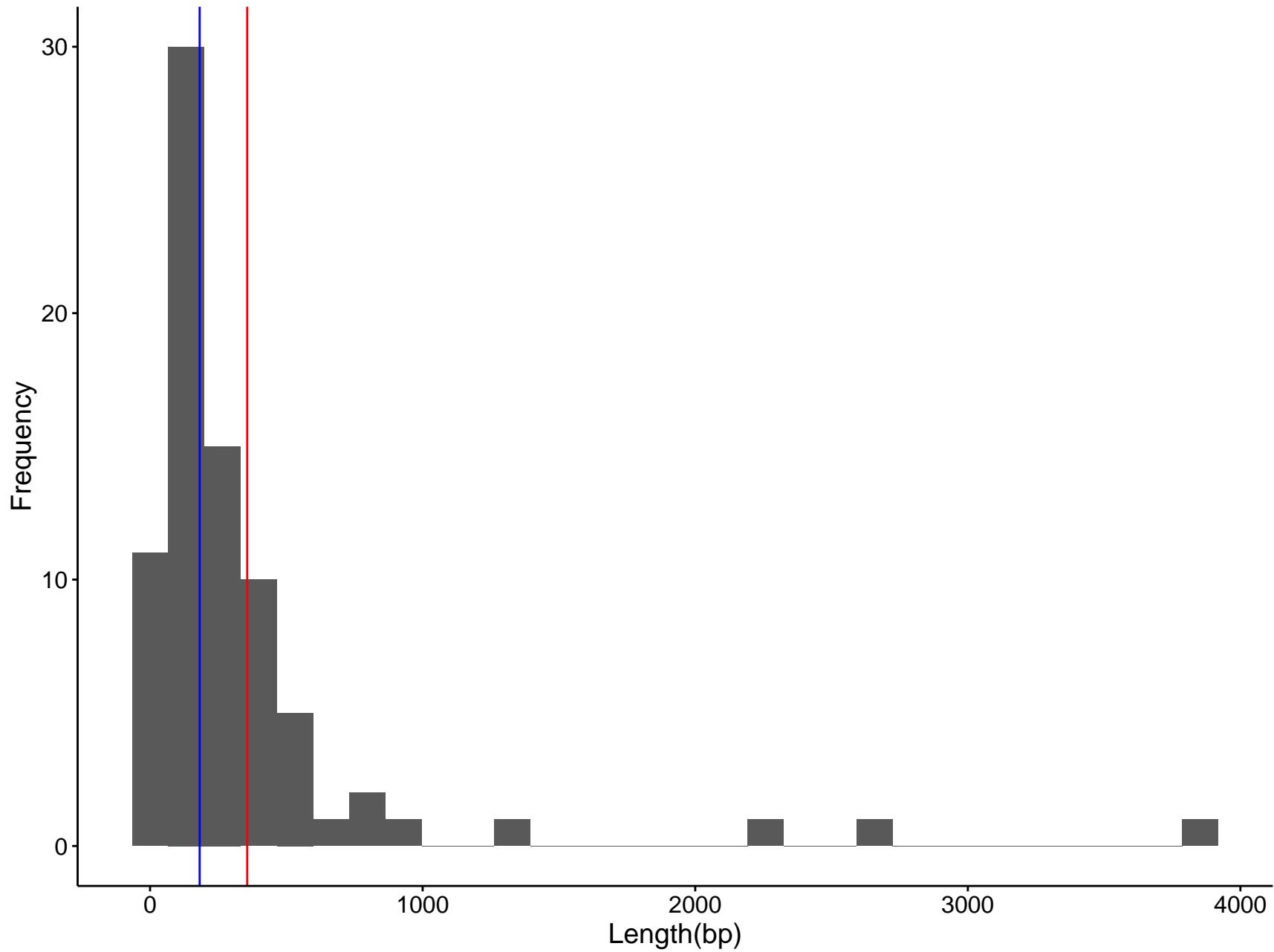
Cluster2344



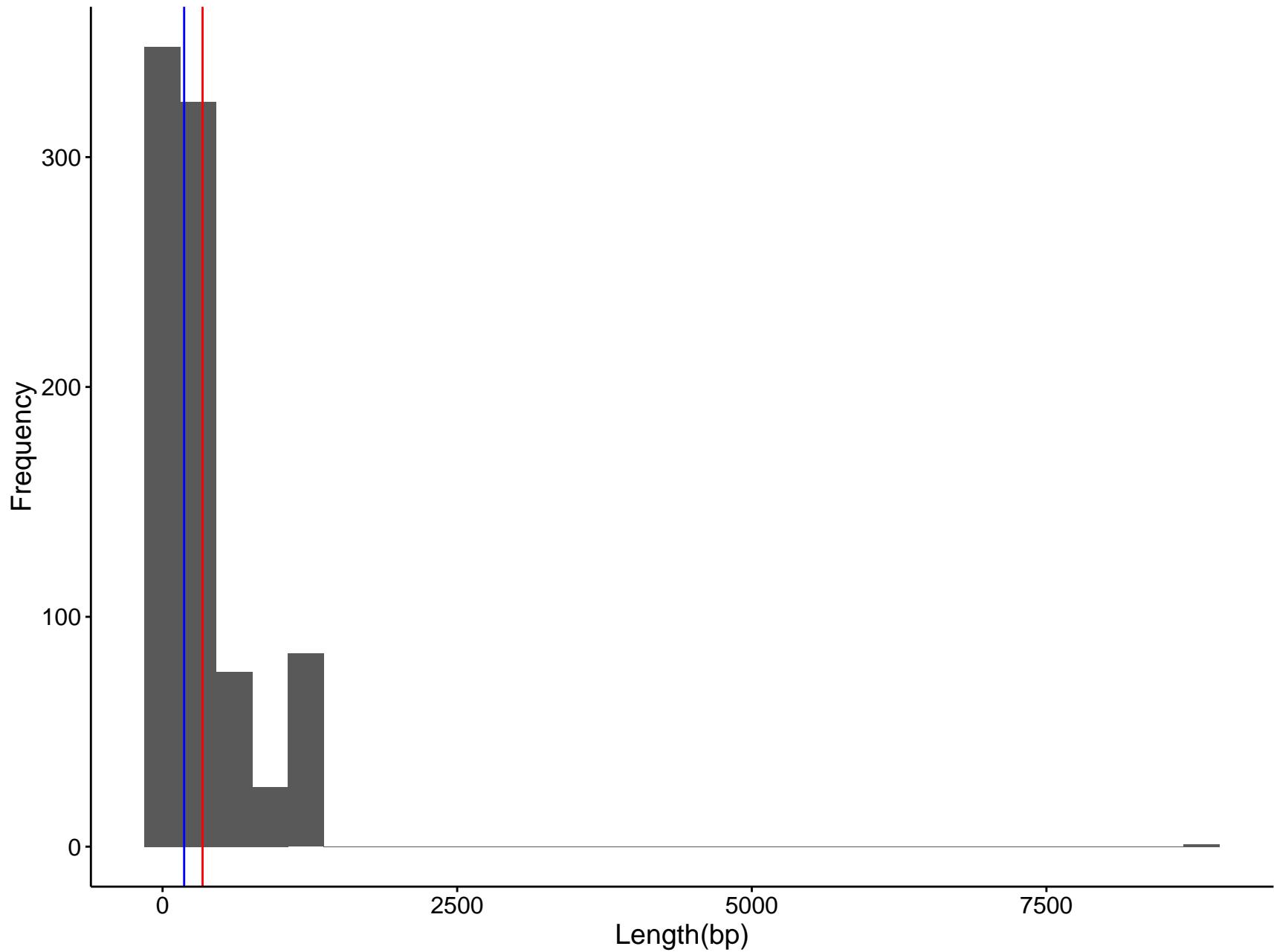
Cluster2345



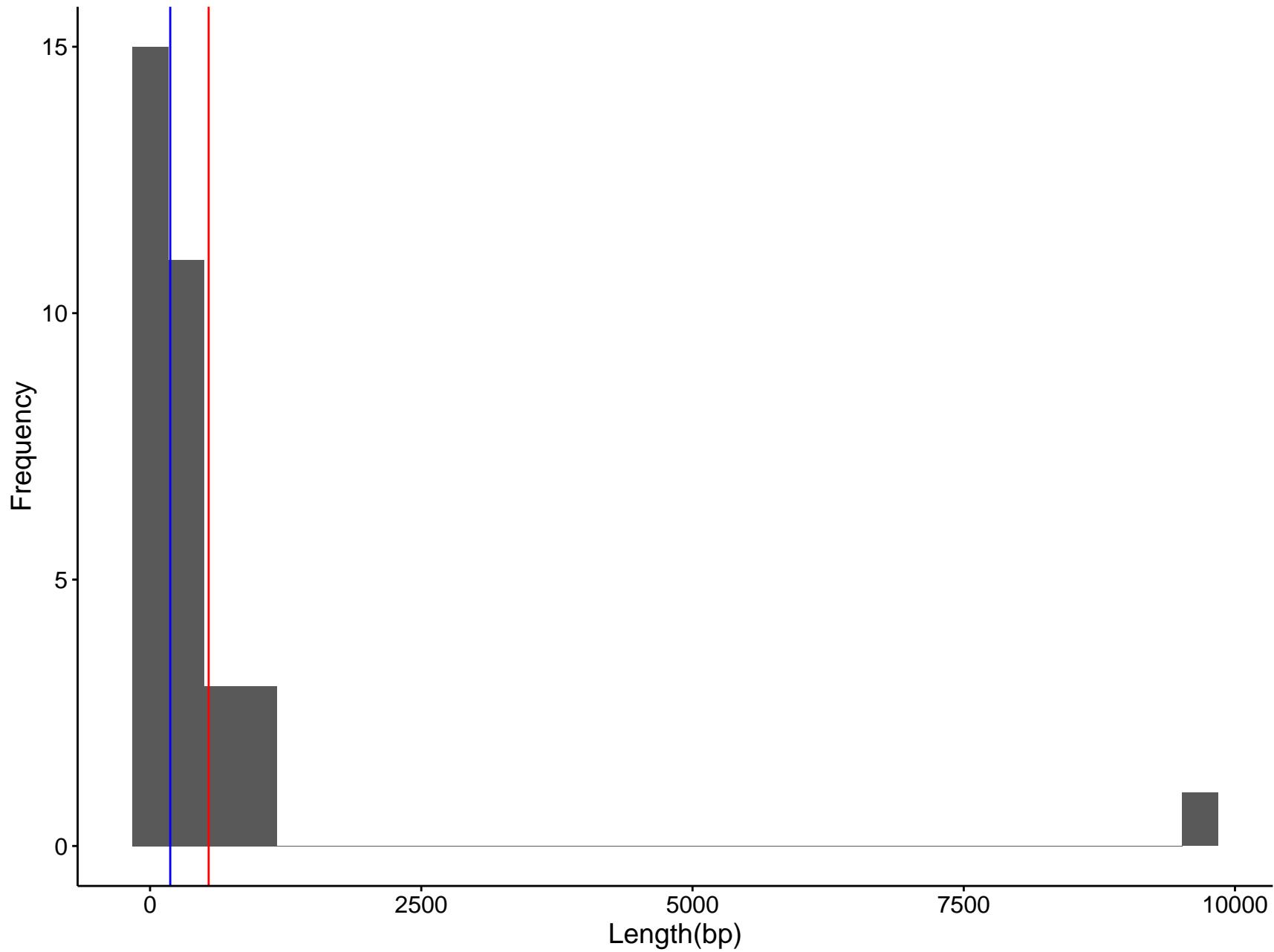
Cluster2346



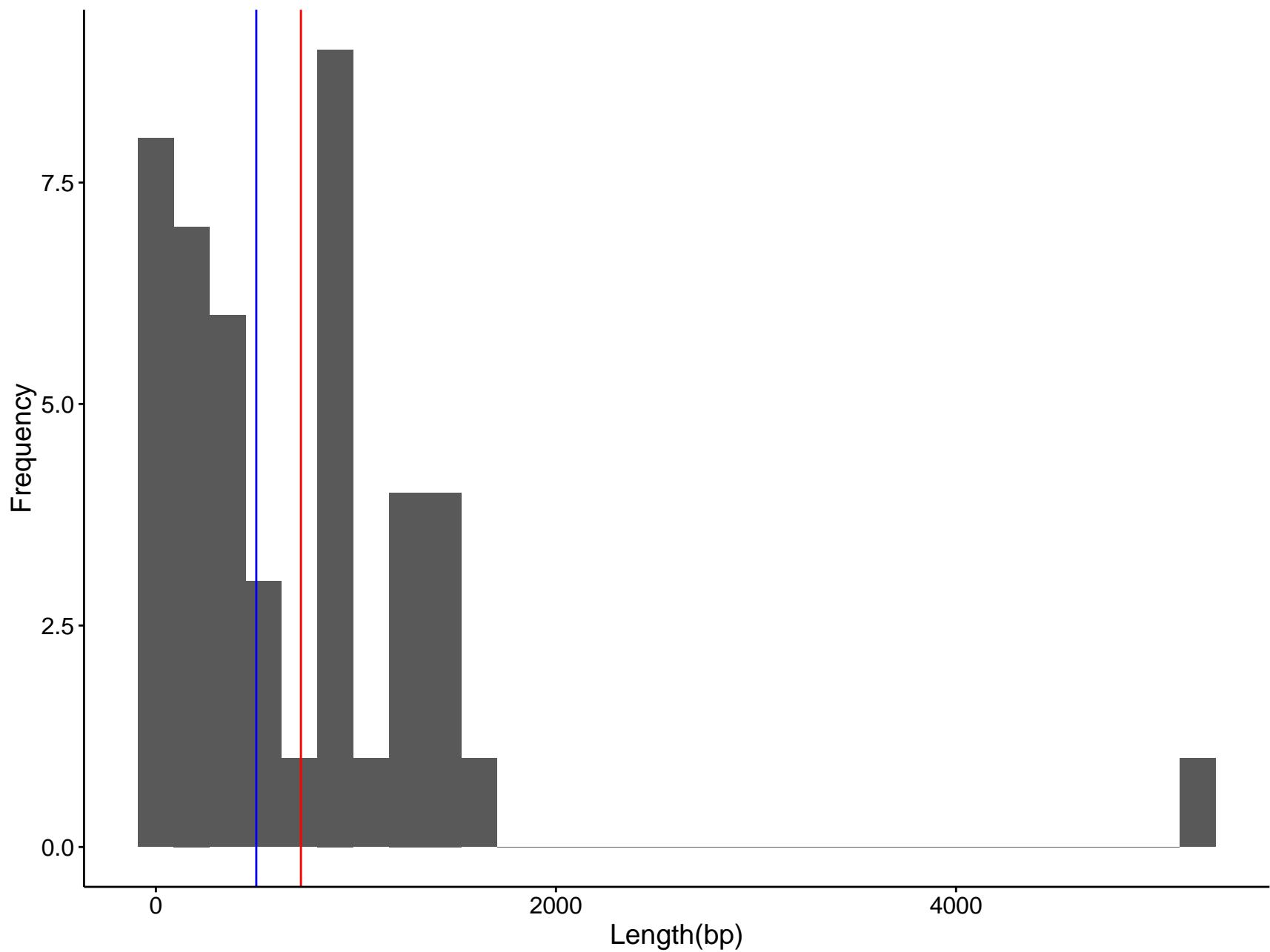
Cluster2347



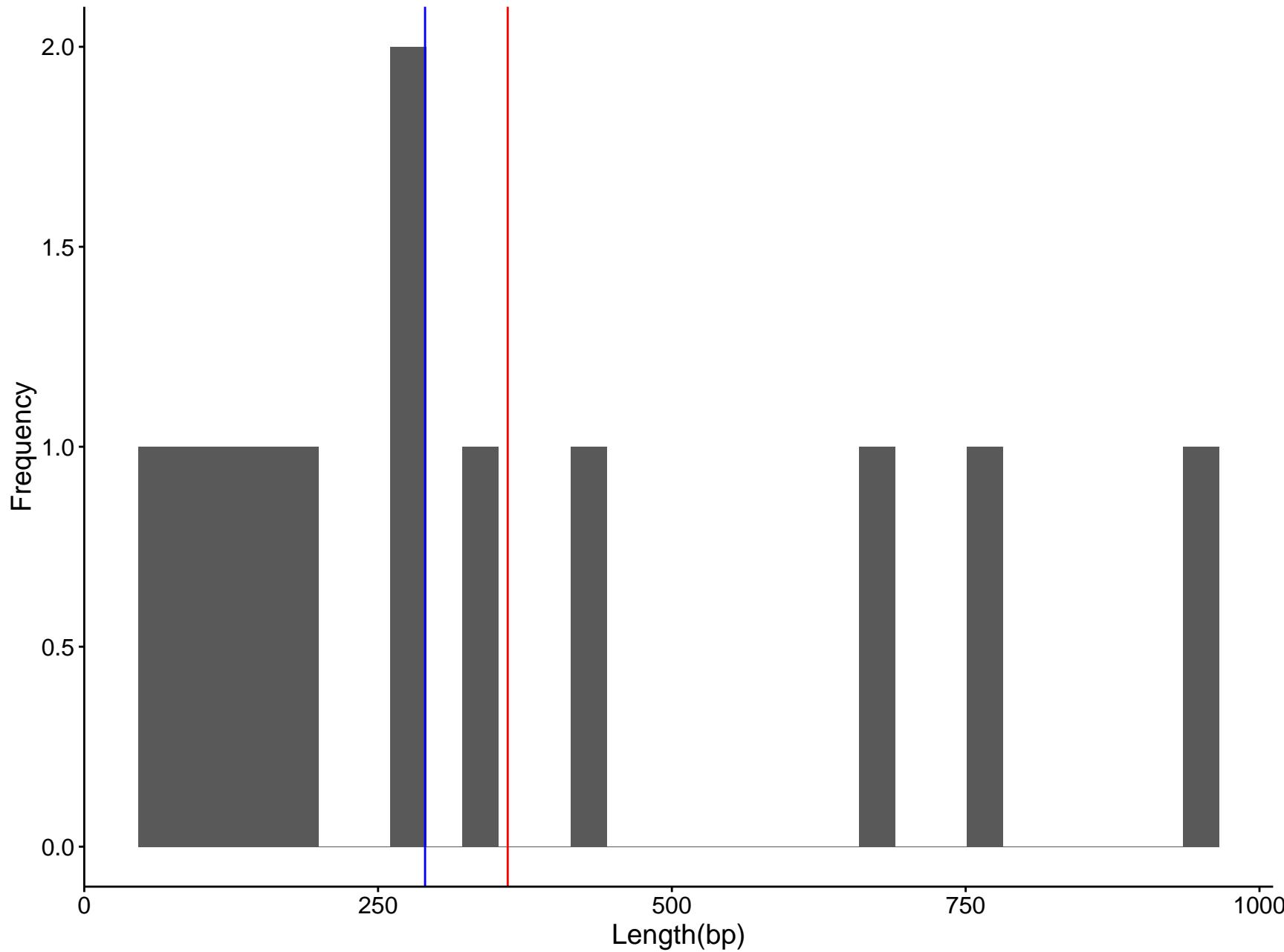
Cluster2348



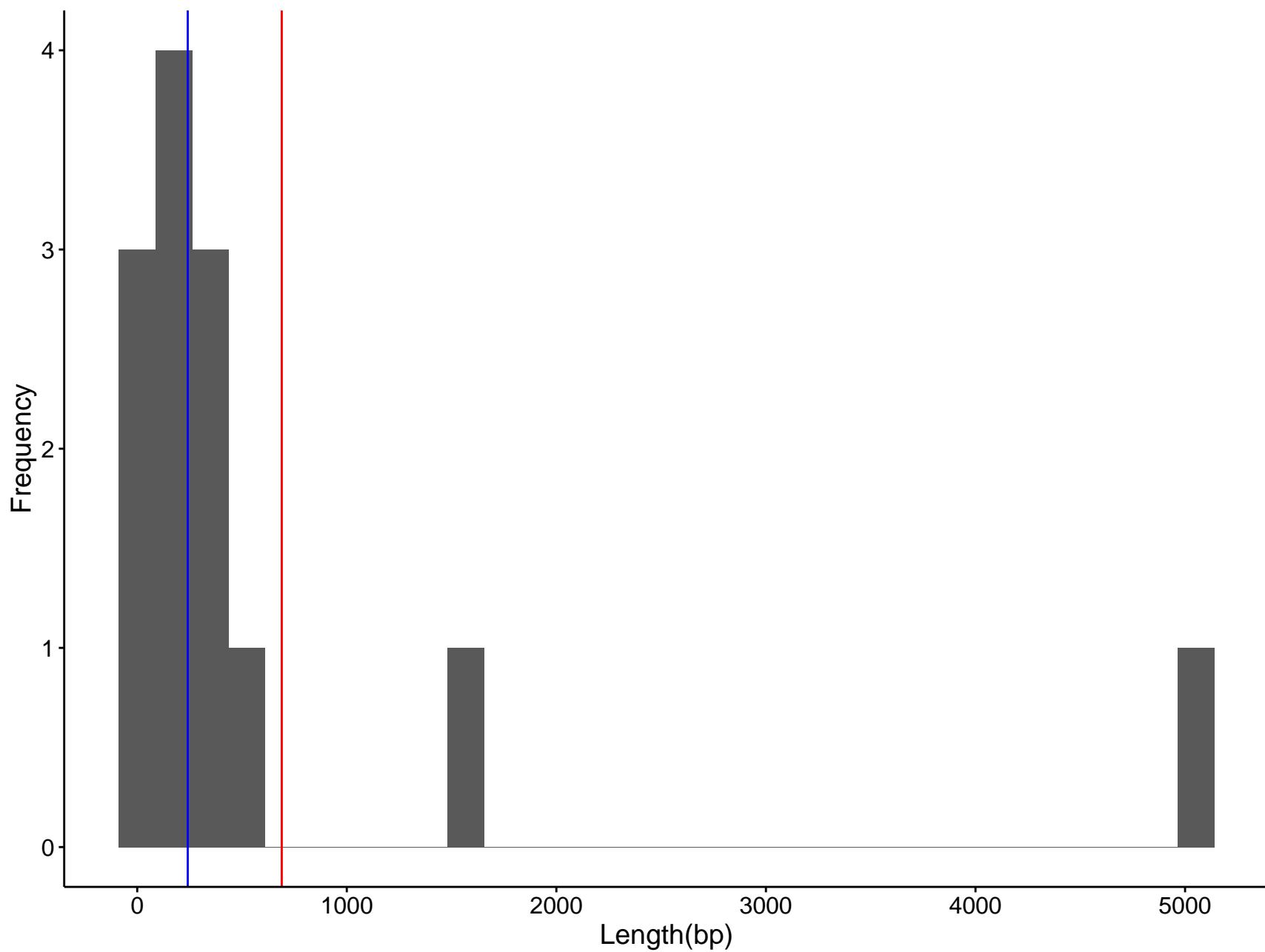
Cluster2349



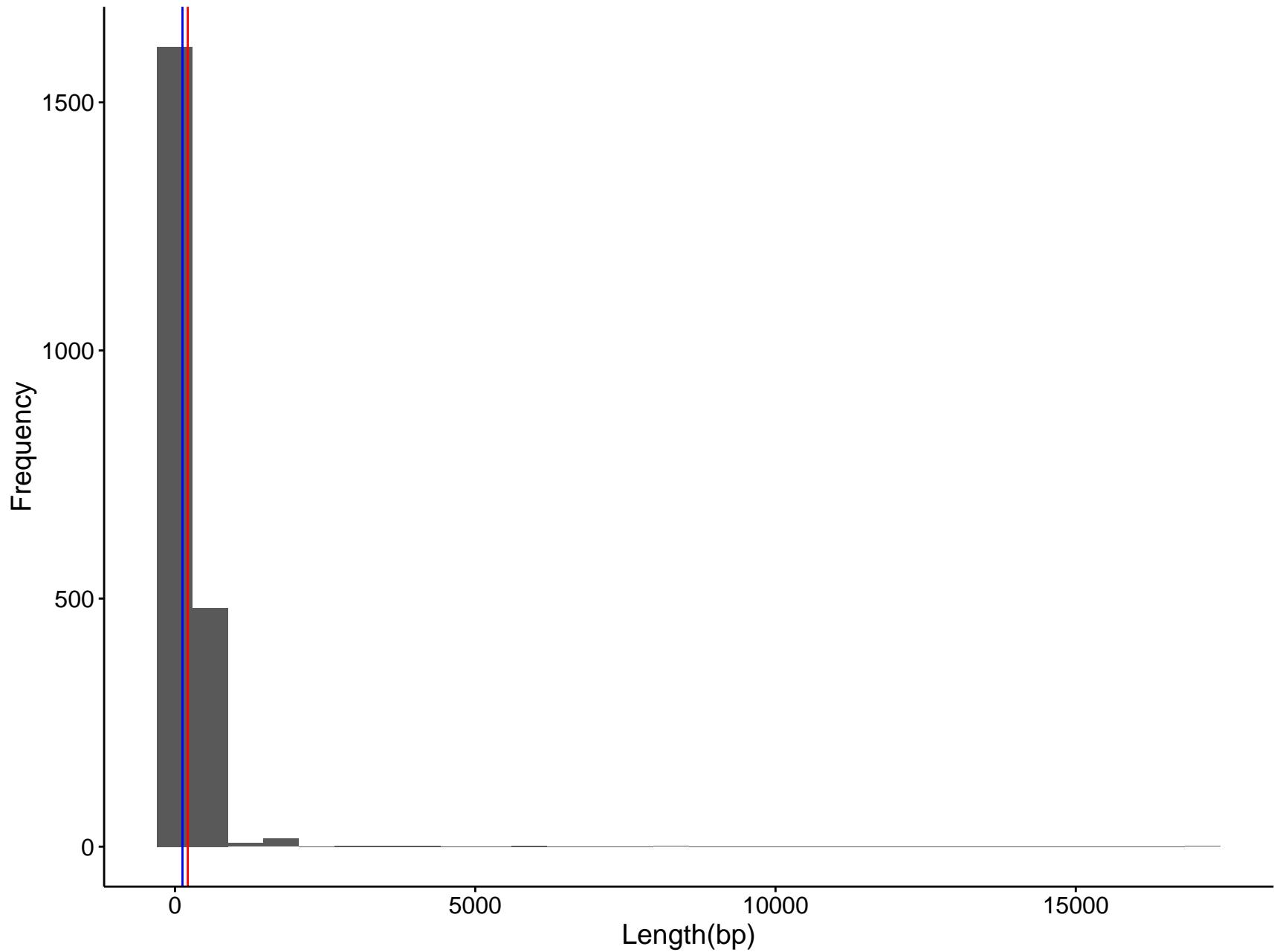
Cluster234



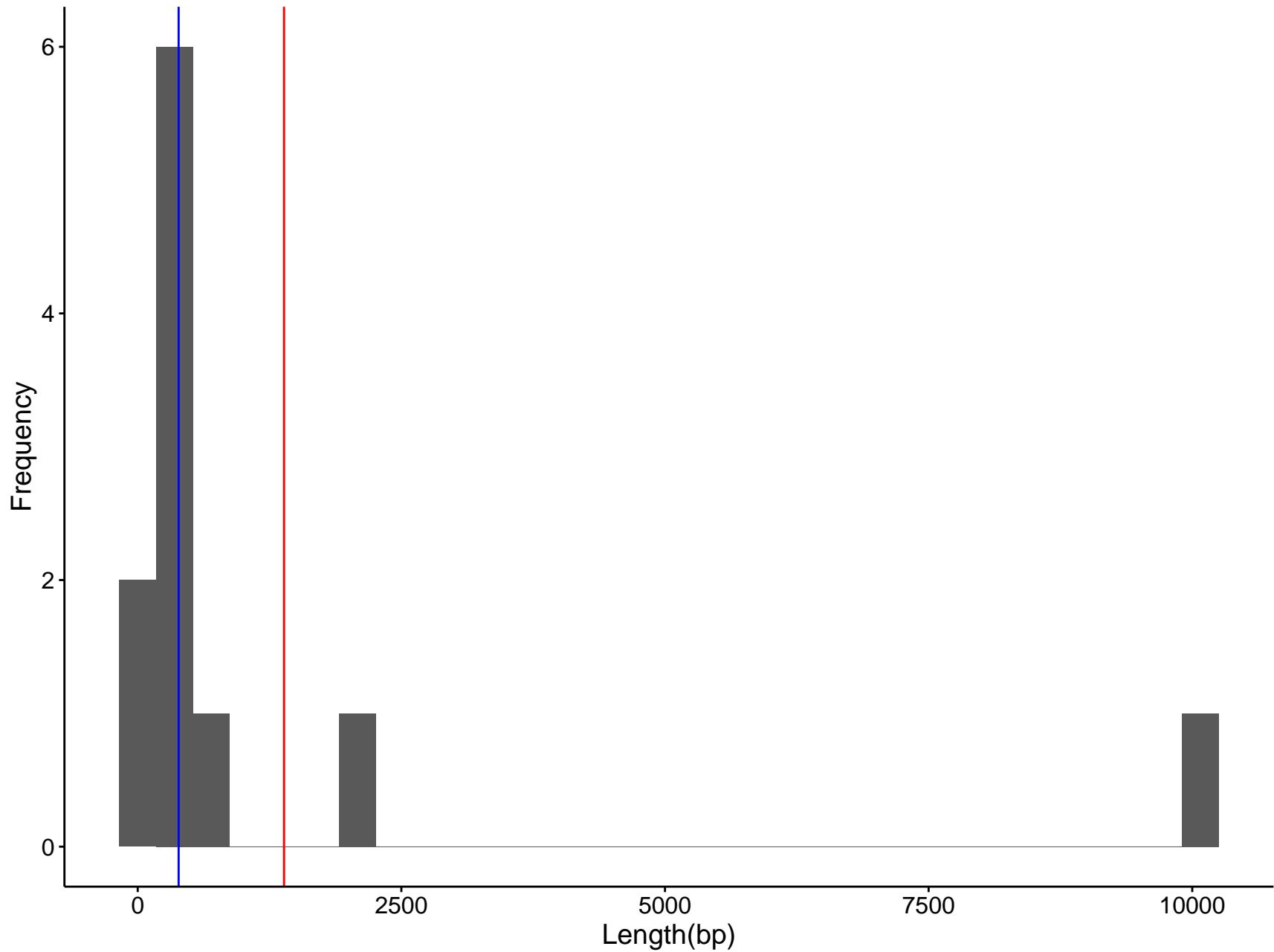
Cluster2350



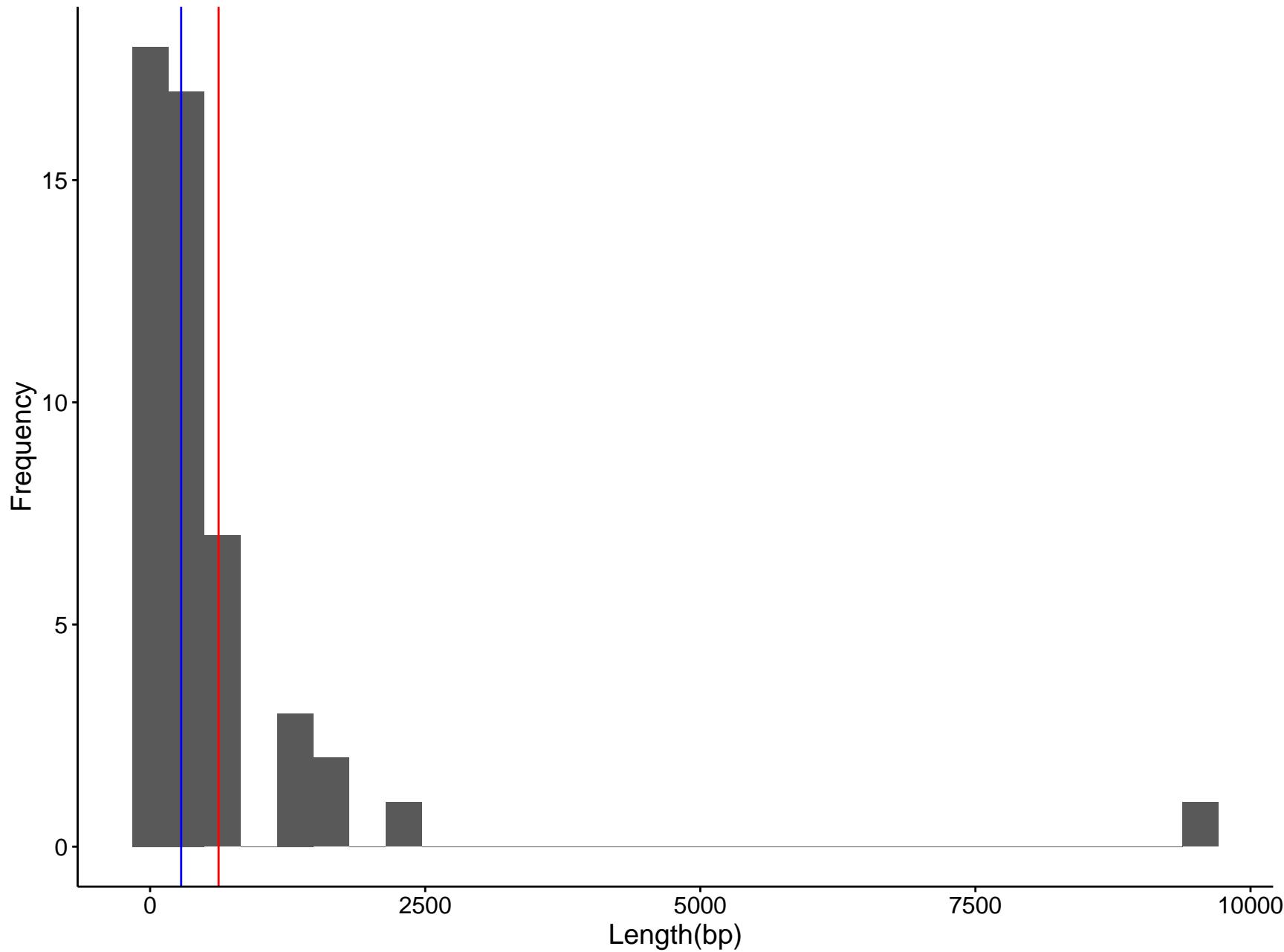
Cluster2351



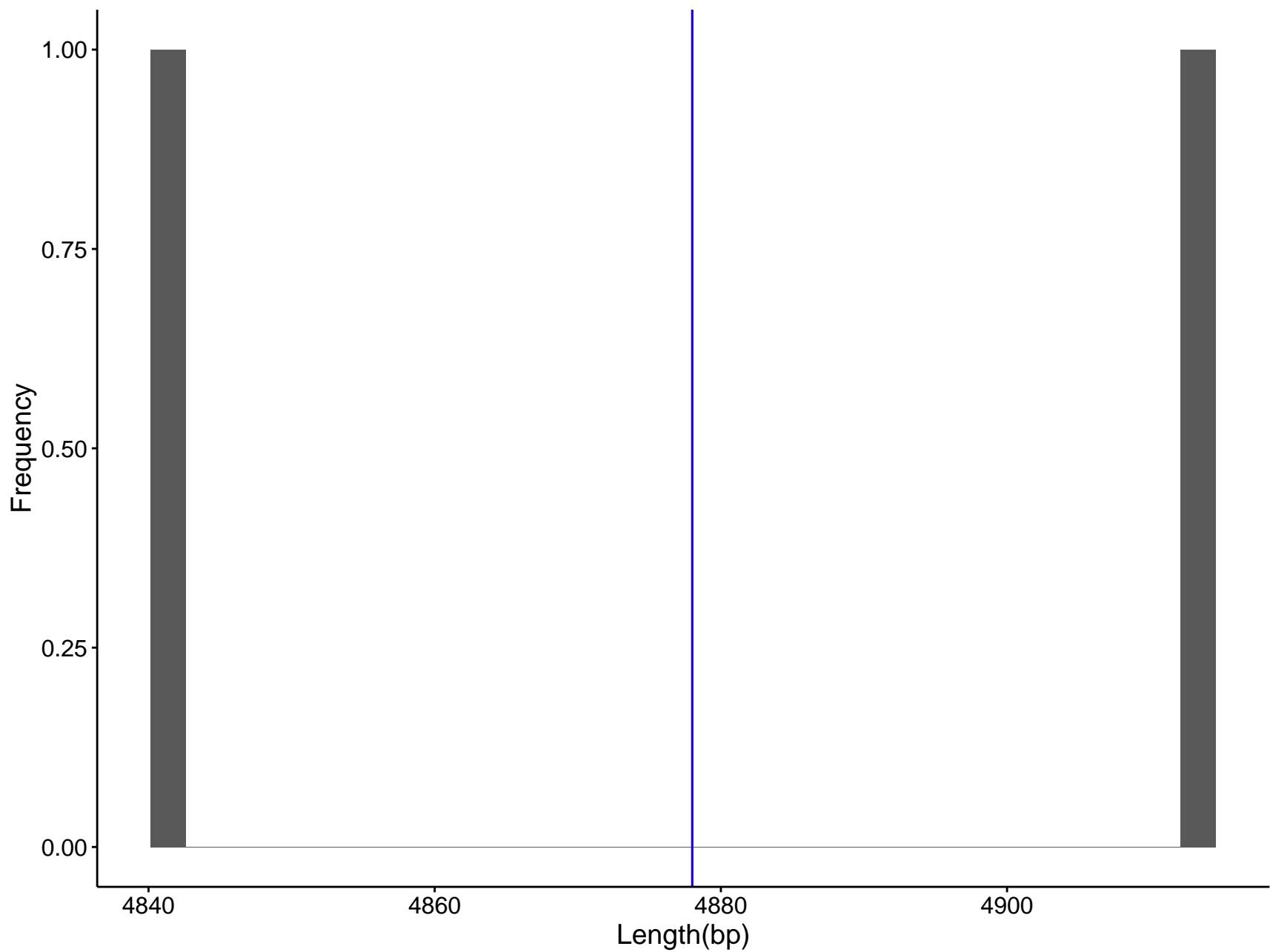
Cluster2352



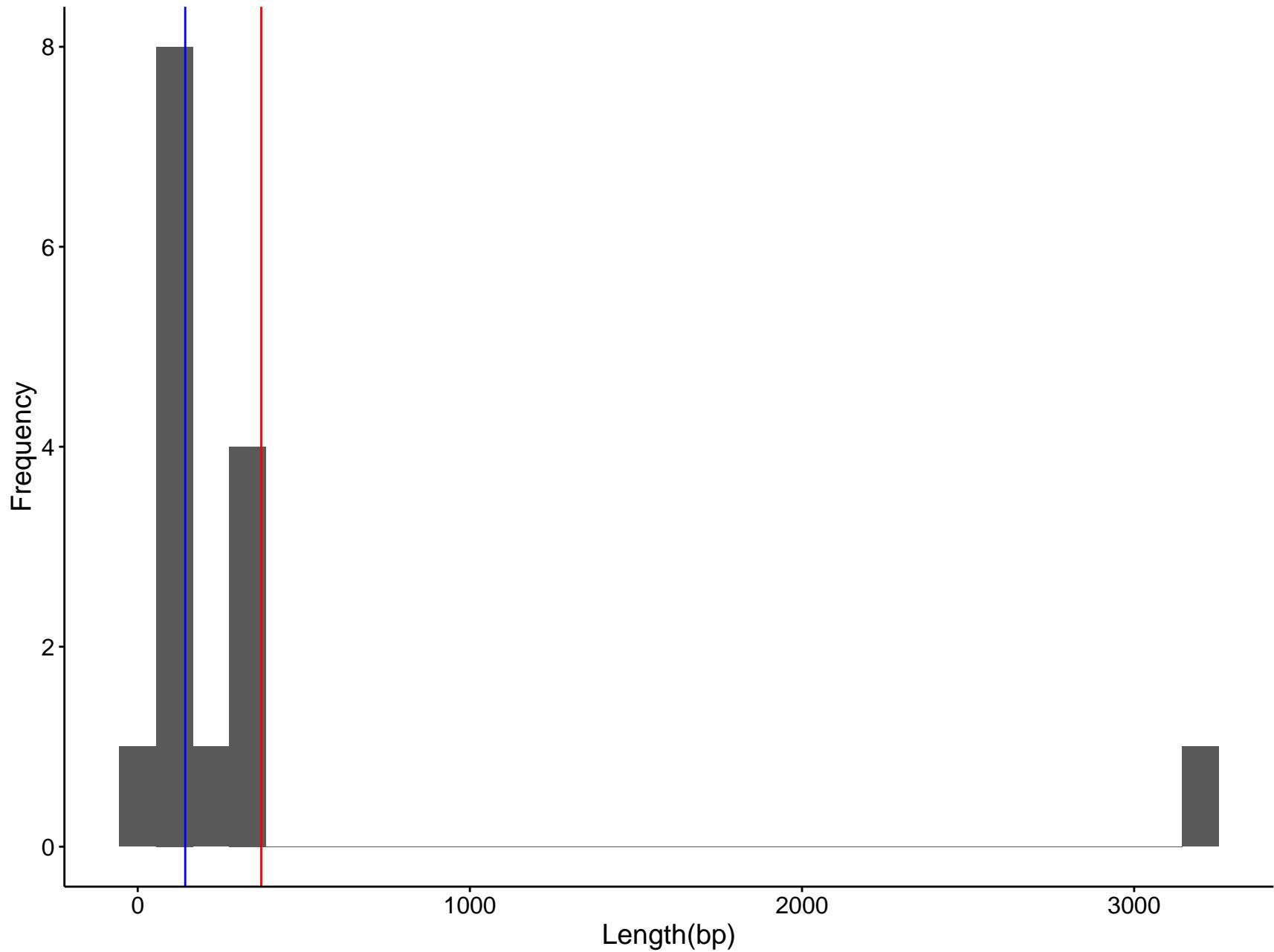
Cluster2353



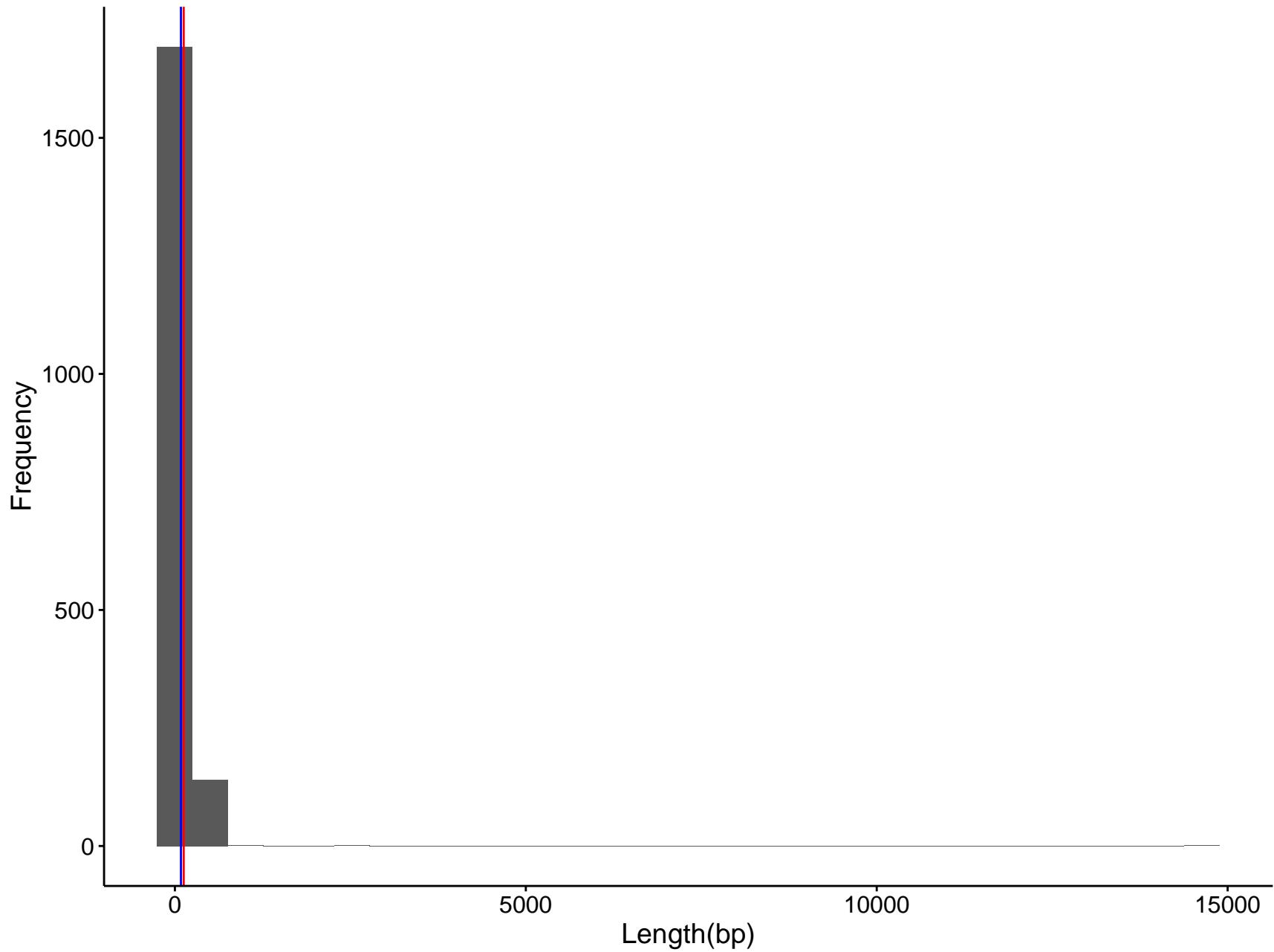
Cluster2354



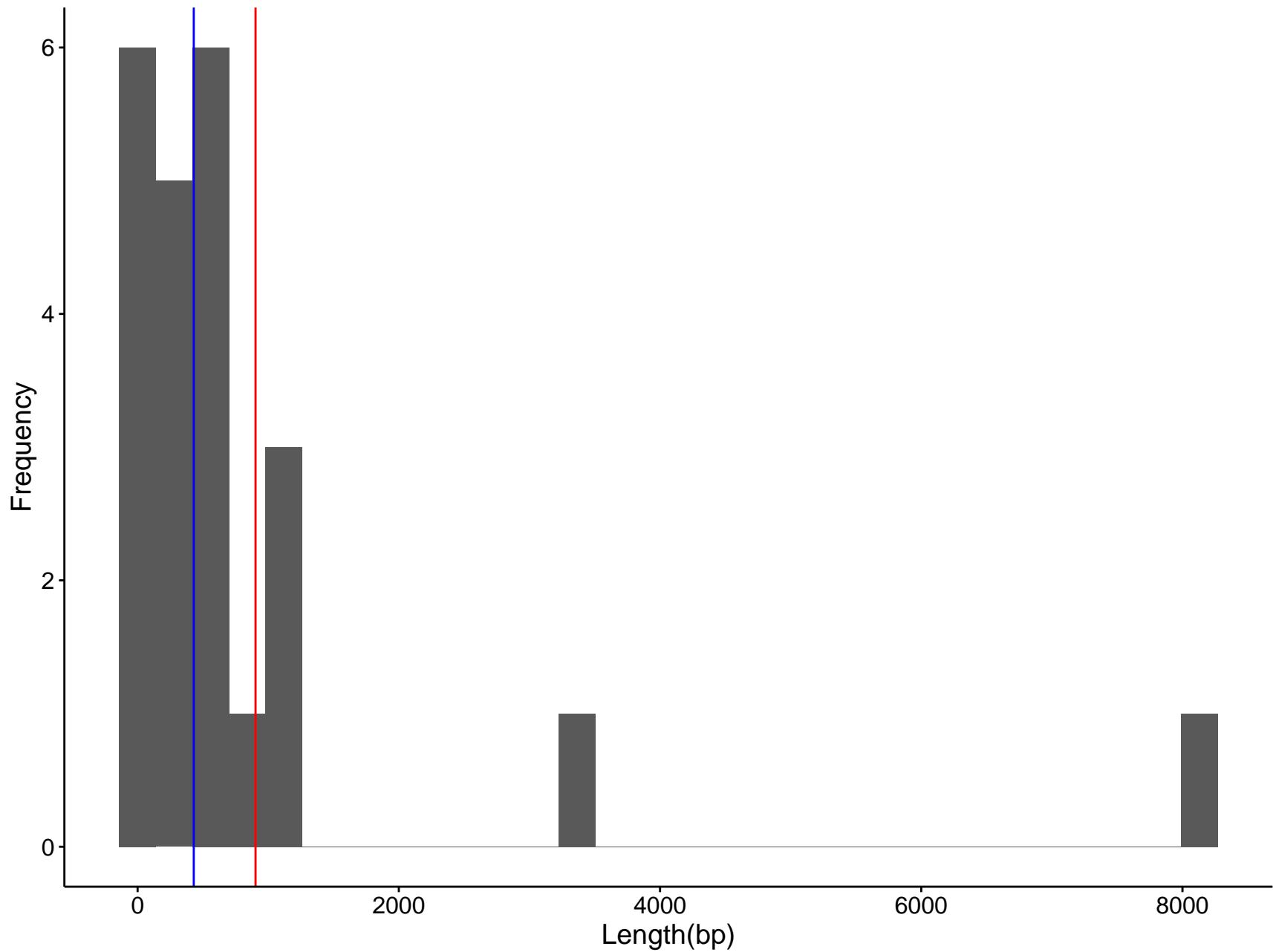
Cluster2355



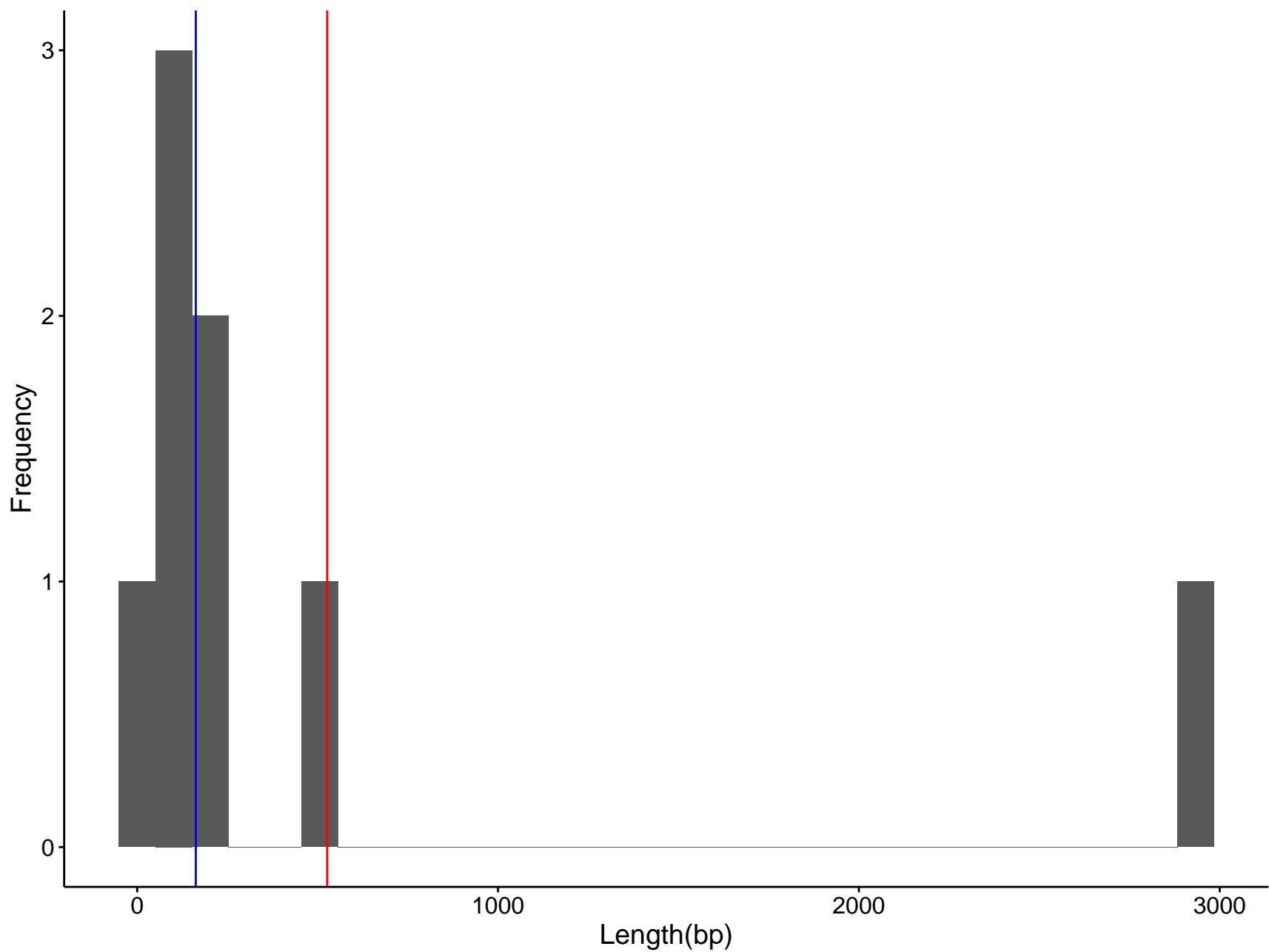
Cluster2356



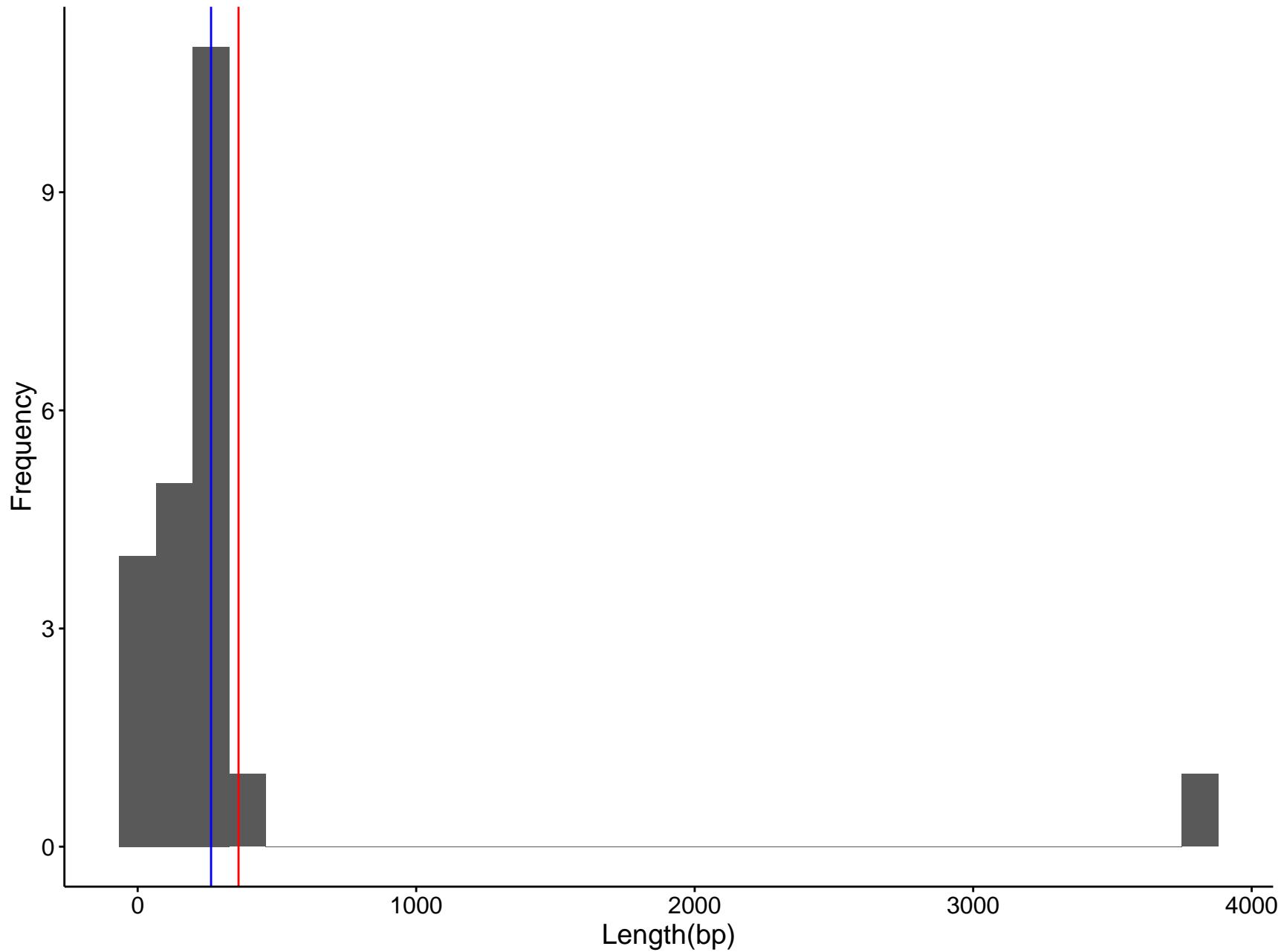
Cluster2357



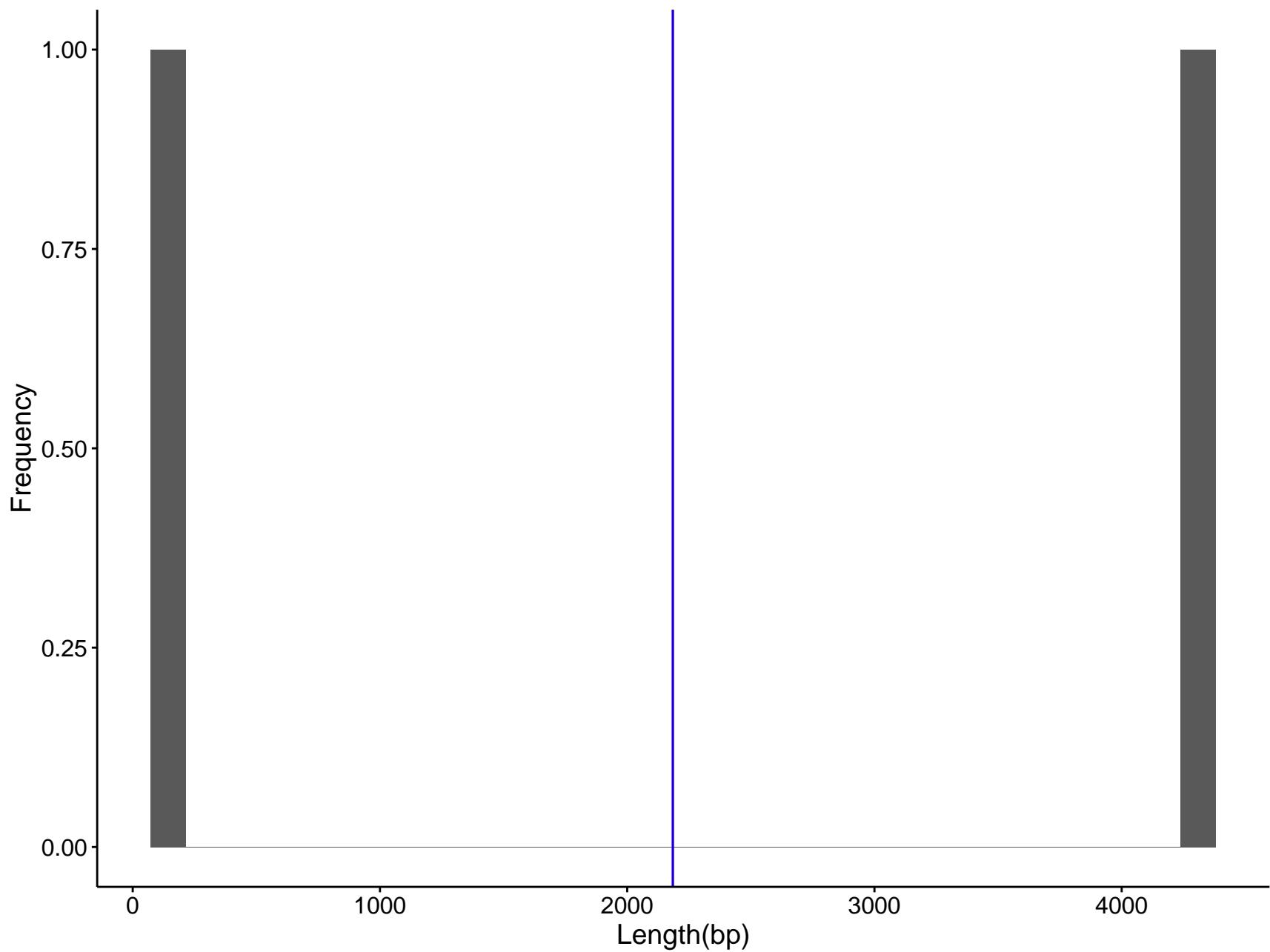
Cluster2358



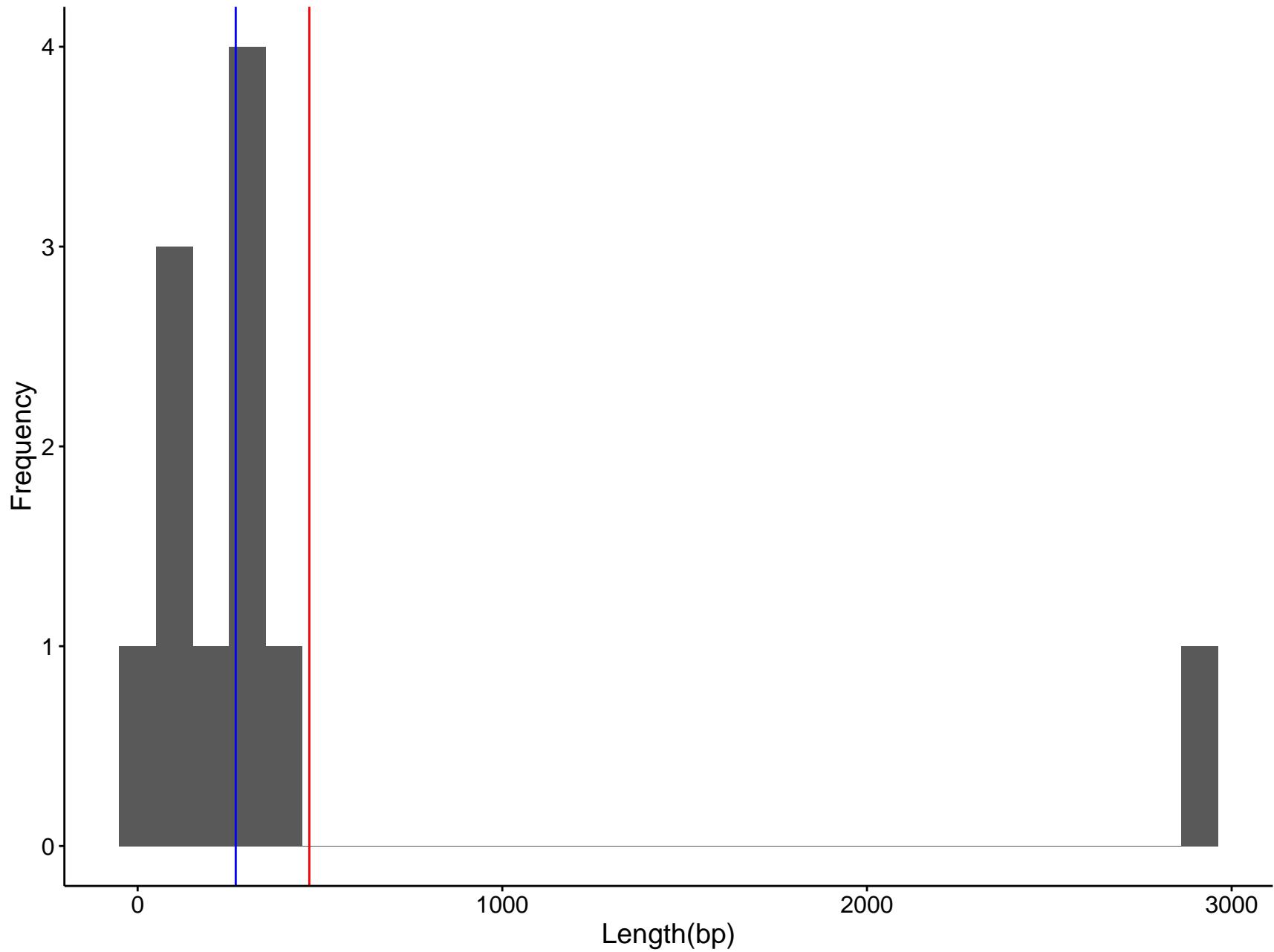
Cluster2360



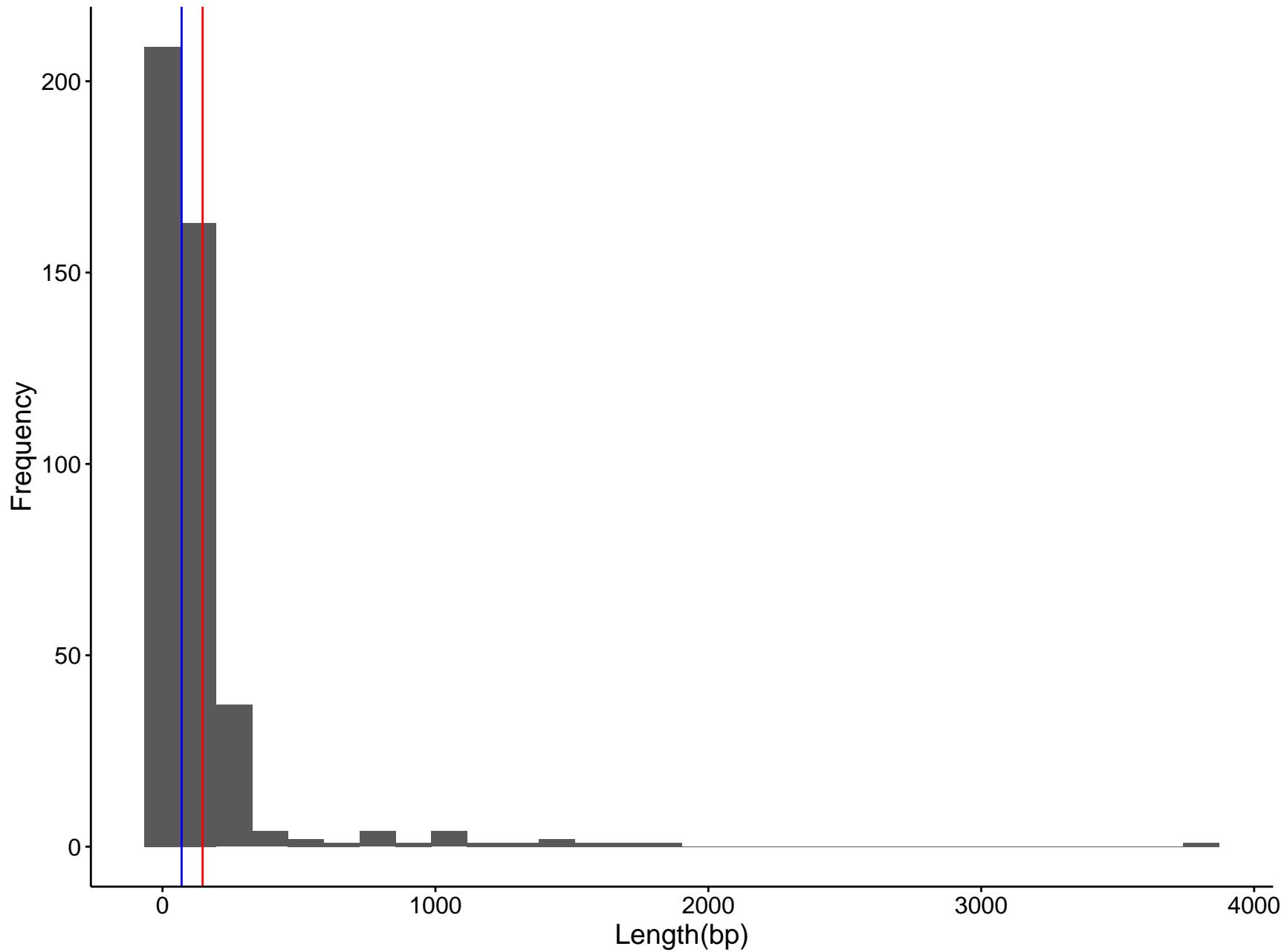
Cluster2361



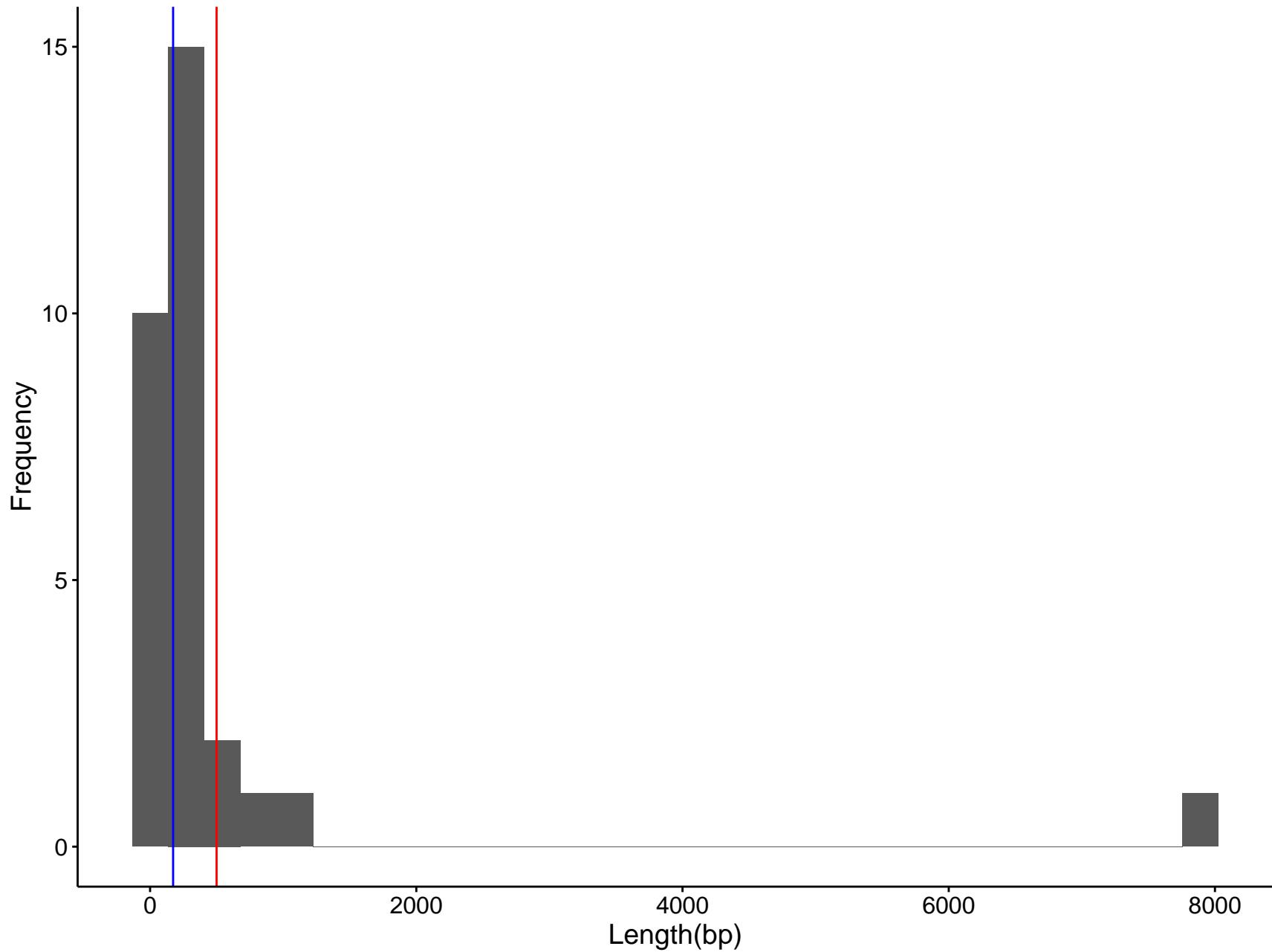
Cluster2362



Cluster2363



Cluster2364



# Cluster2365

Frequency

7379.950

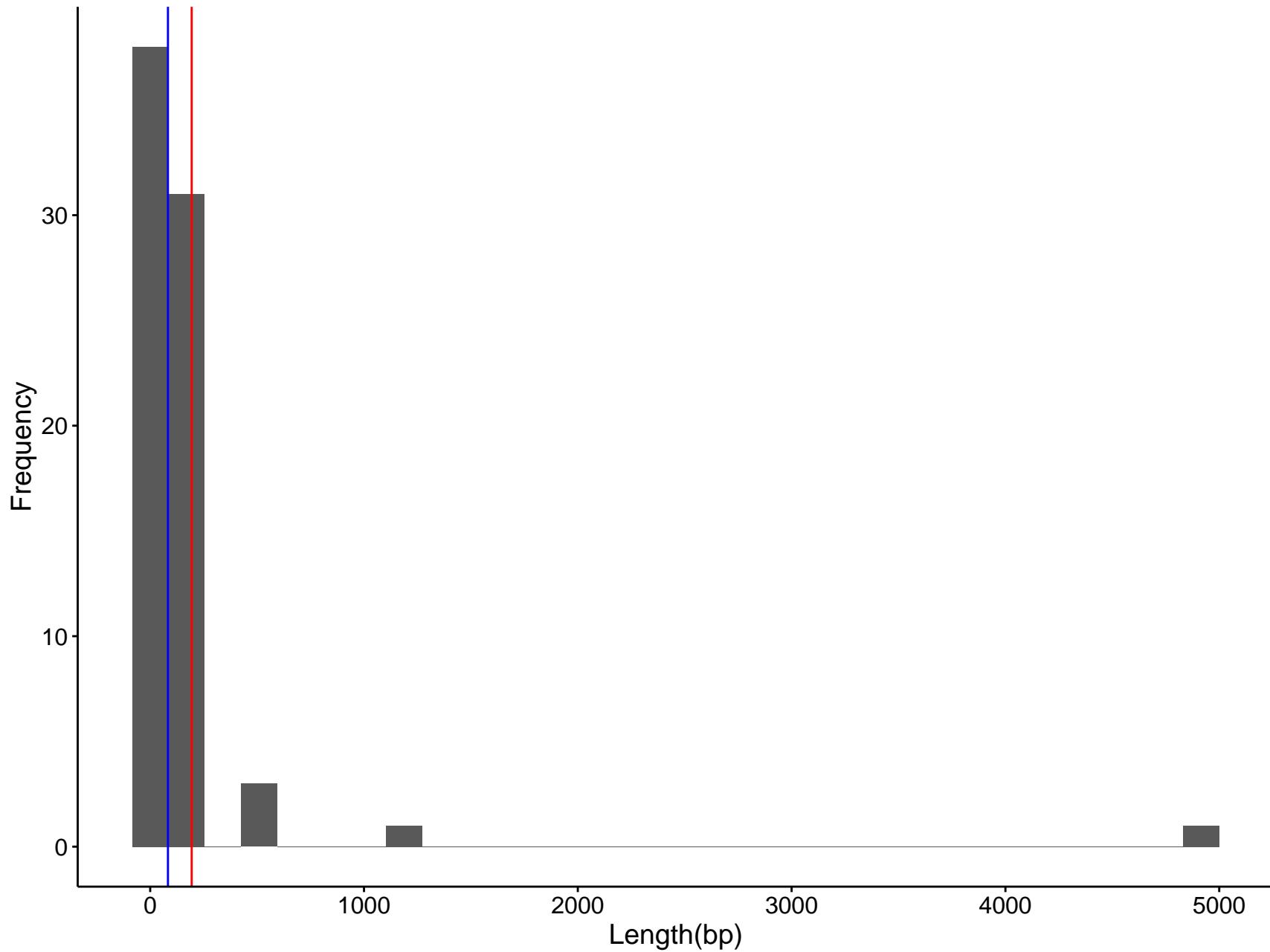
7379.975

7380.000  
Length(bp)

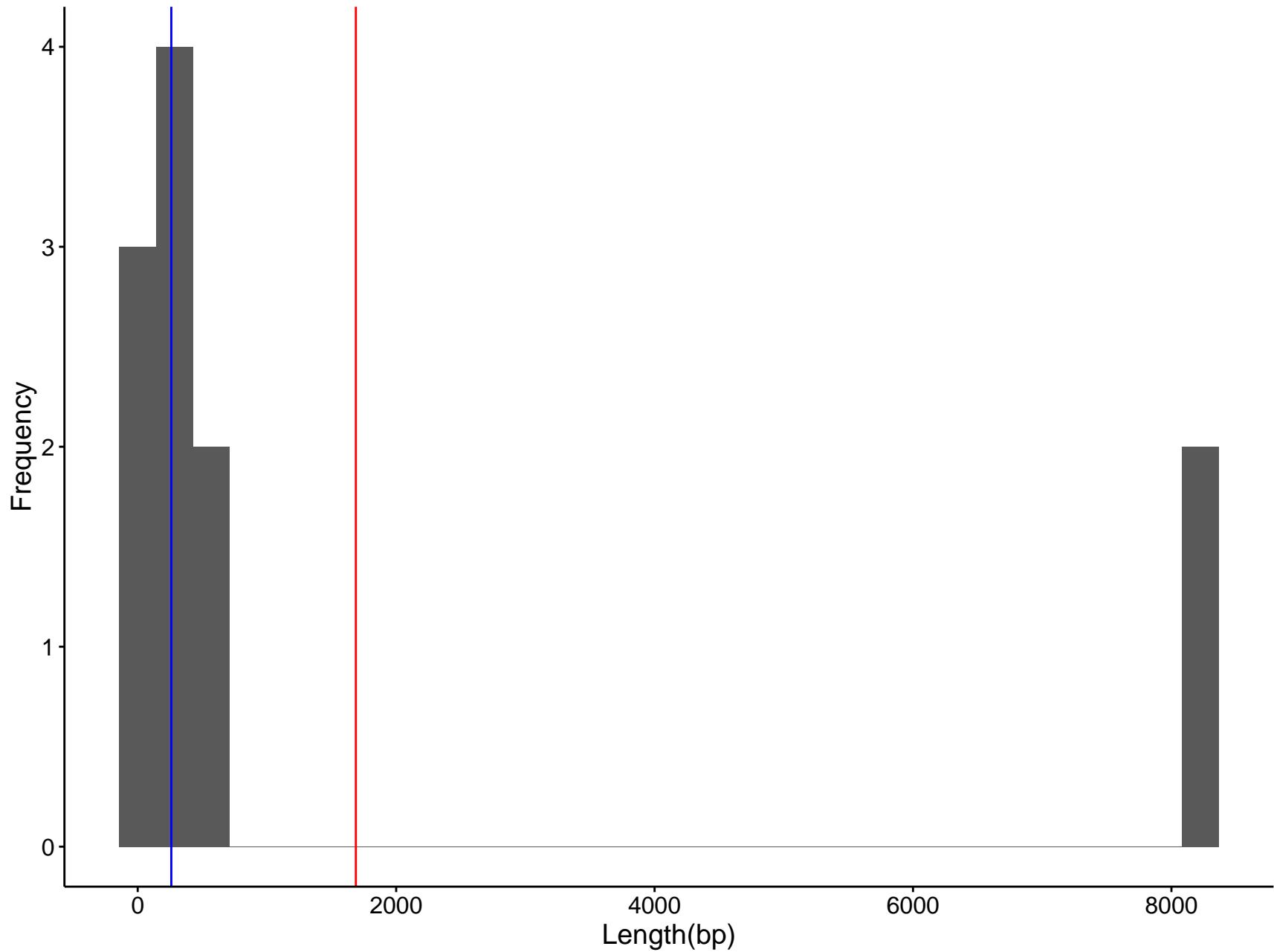
7380.025



Cluster2366



Cluster2368



Cluster2369

Frequency

417.950

417.975

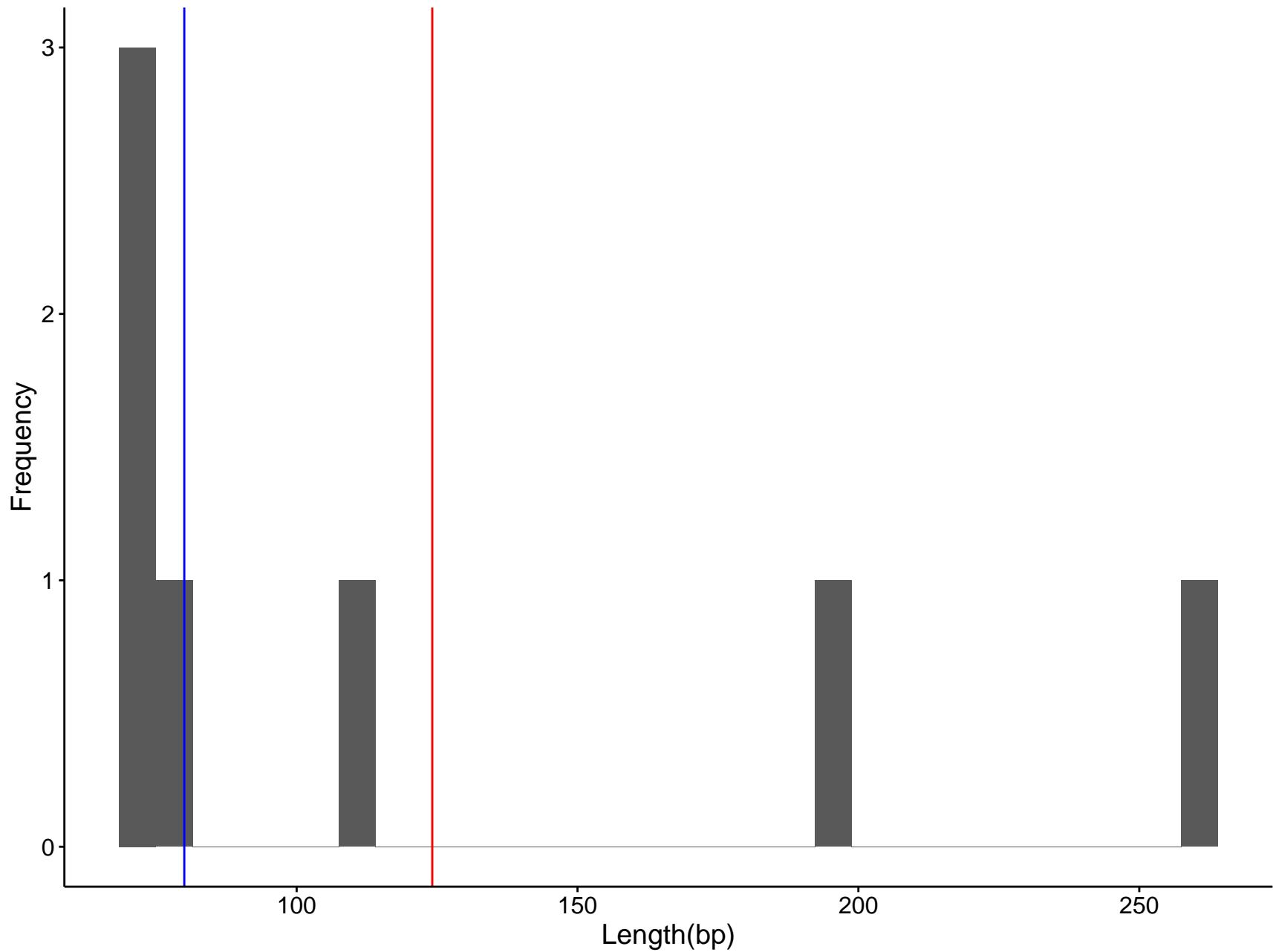
418.000

418.025

Length(bp)



Cluster2370



# Cluster2371

Frequency

216.950

216.975

217.000

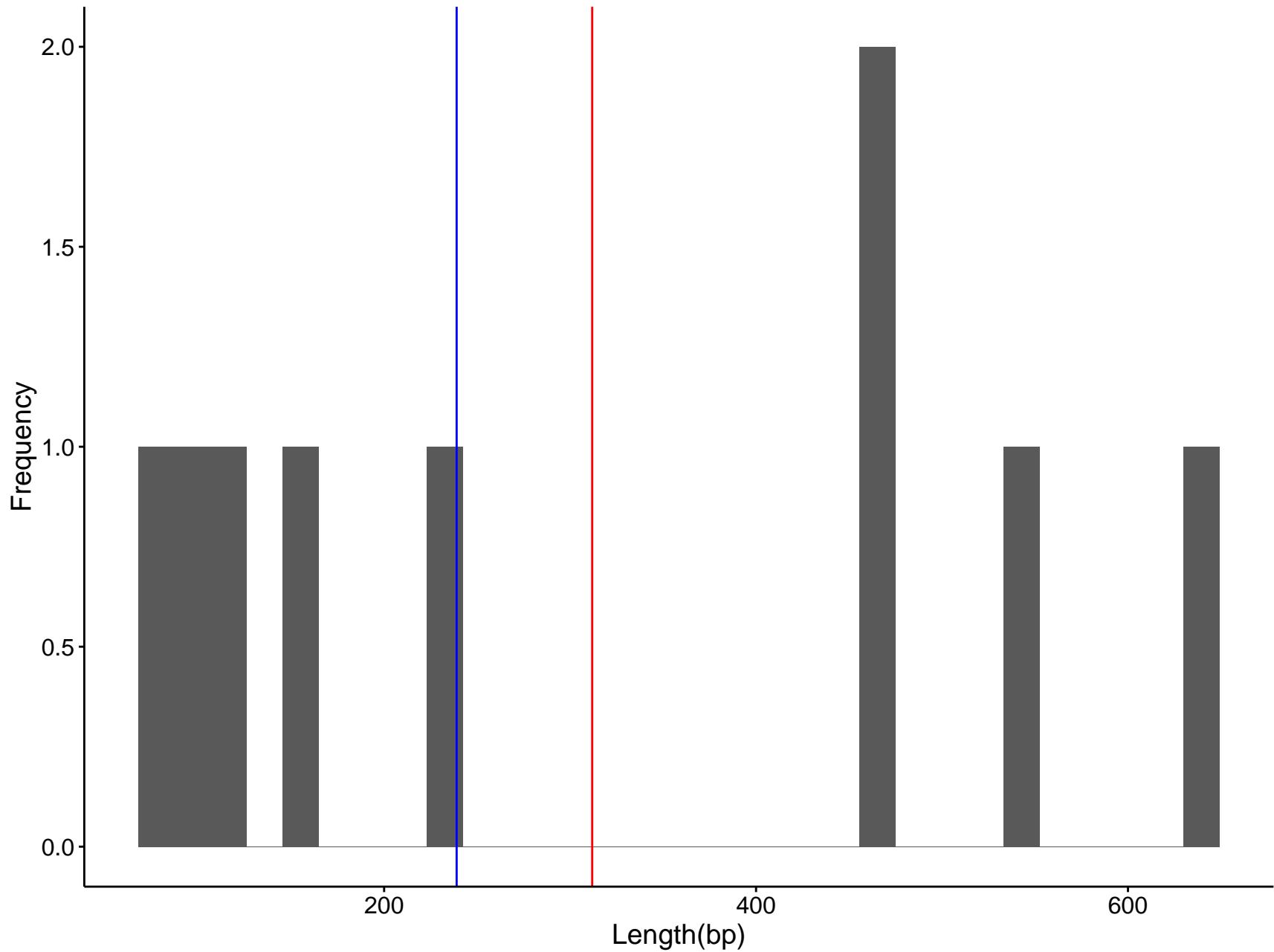
217.025

217.050

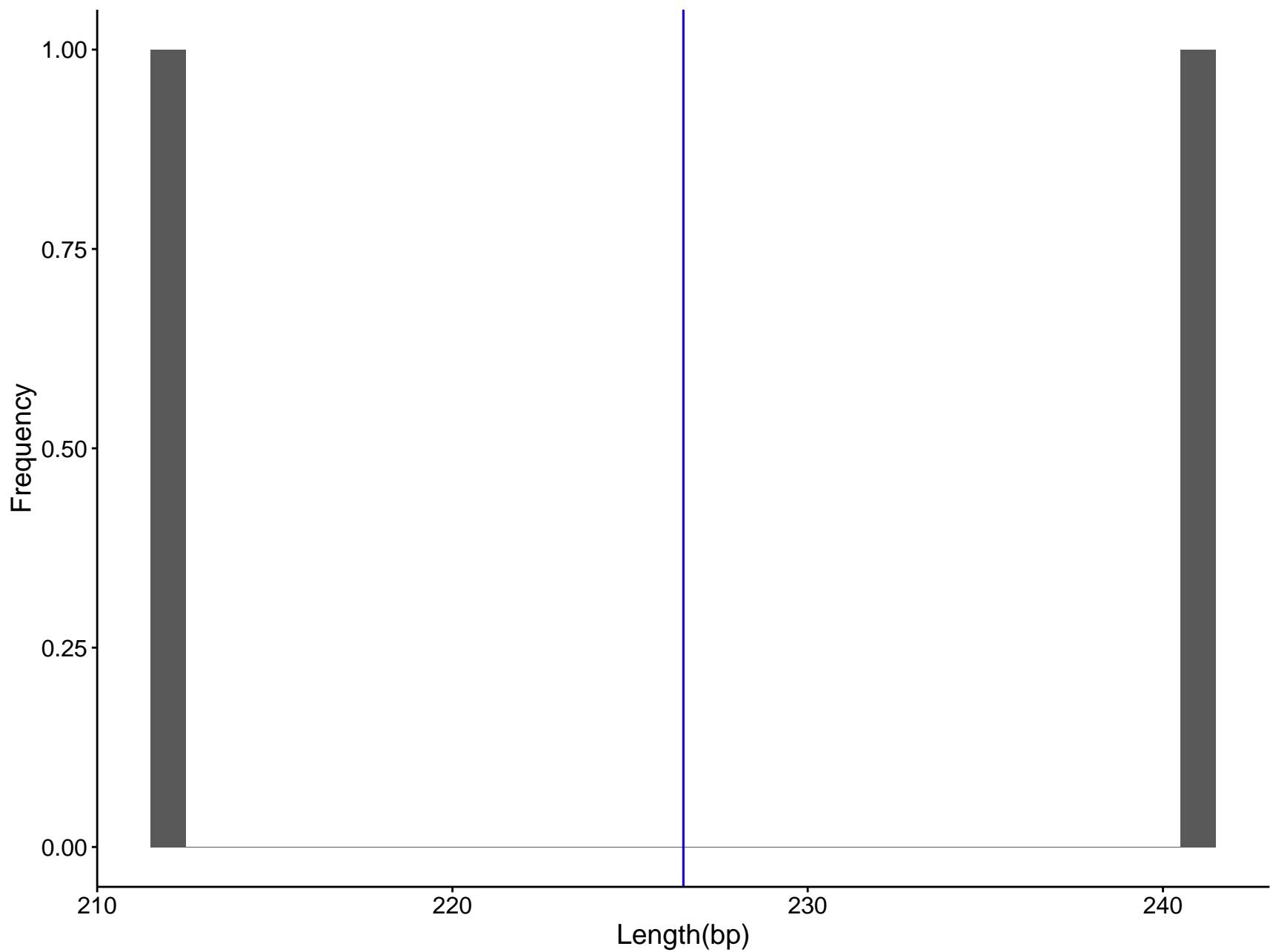
Length(bp)



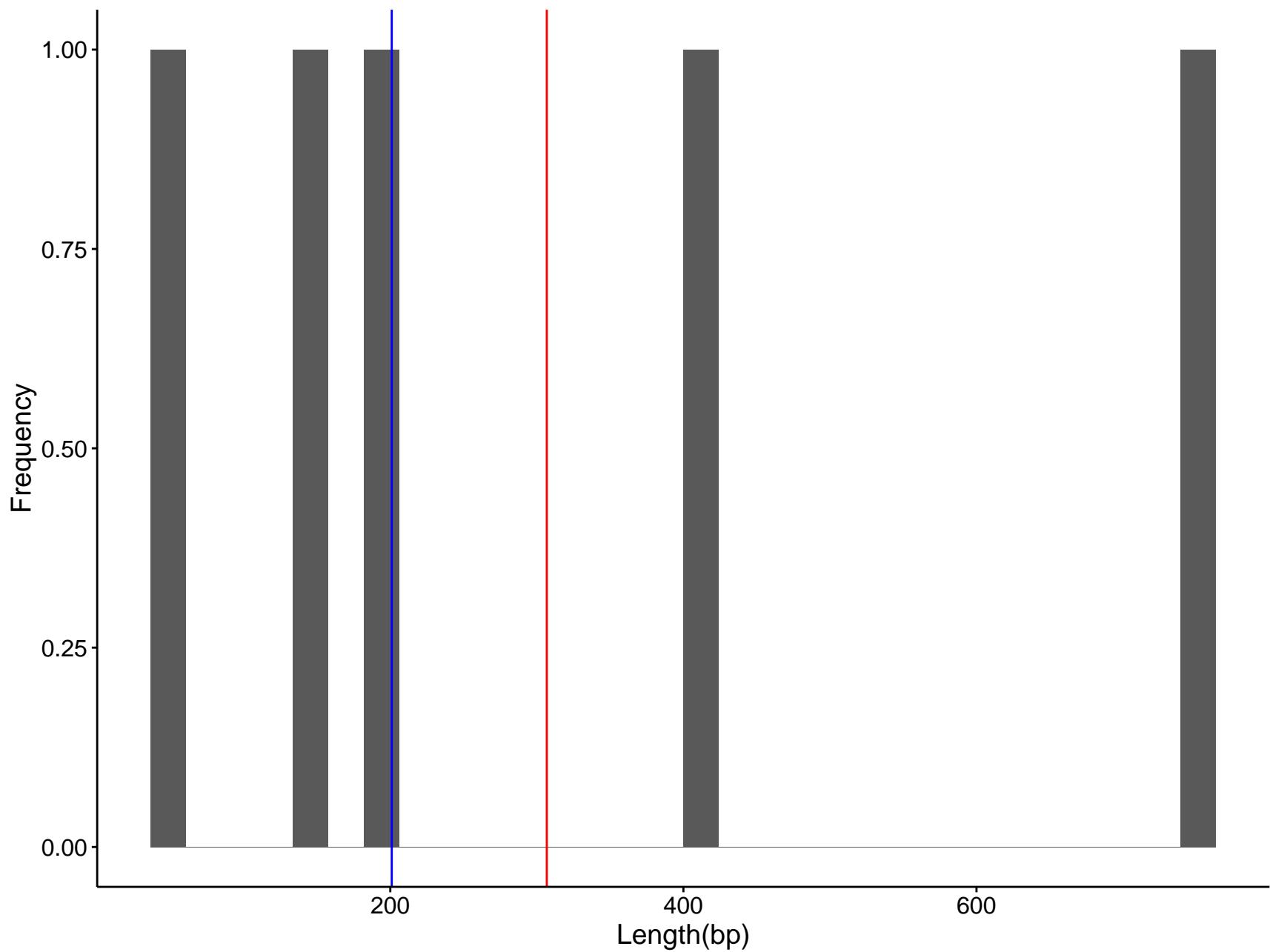
Cluster2372



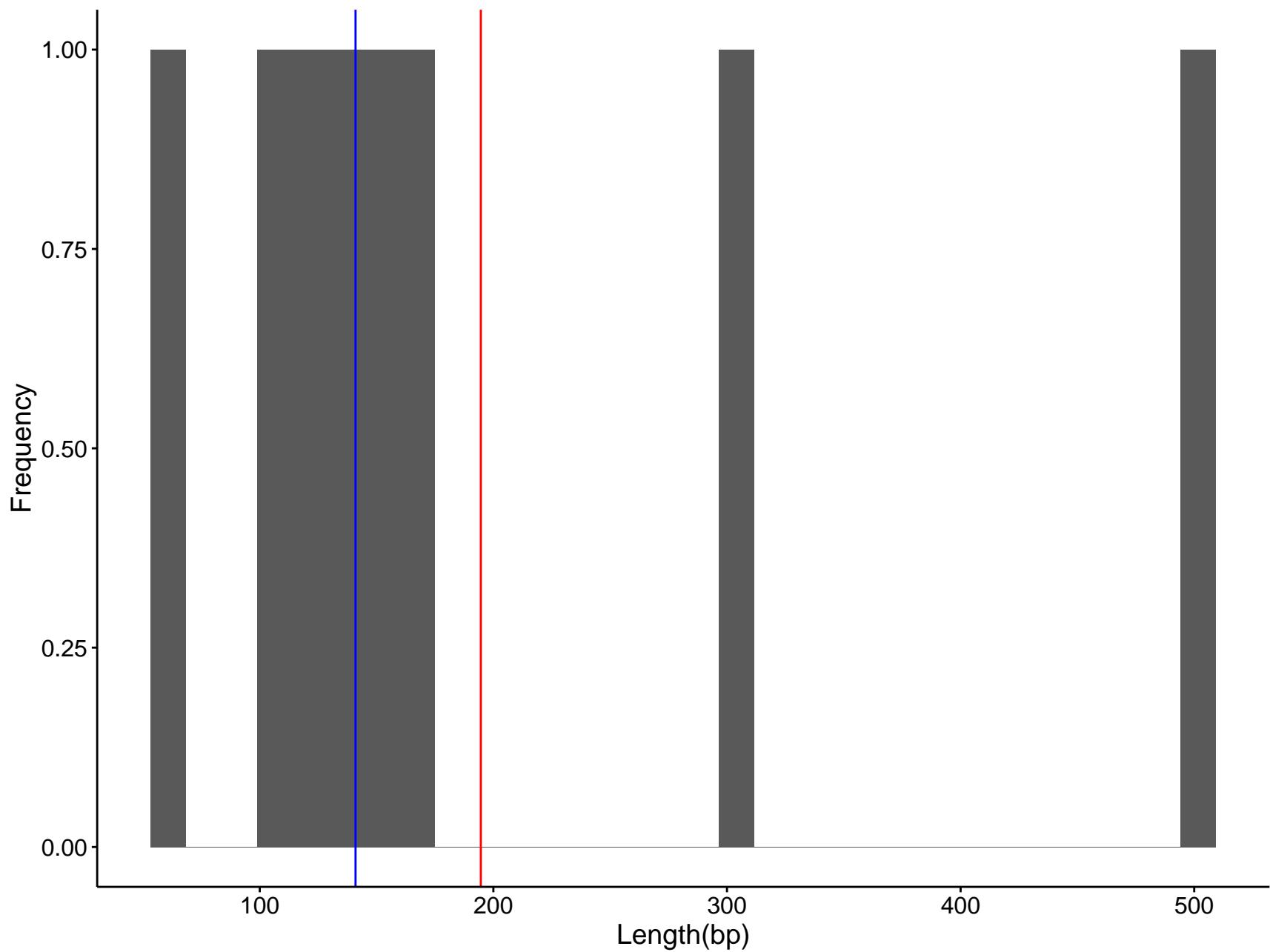
Cluster2374



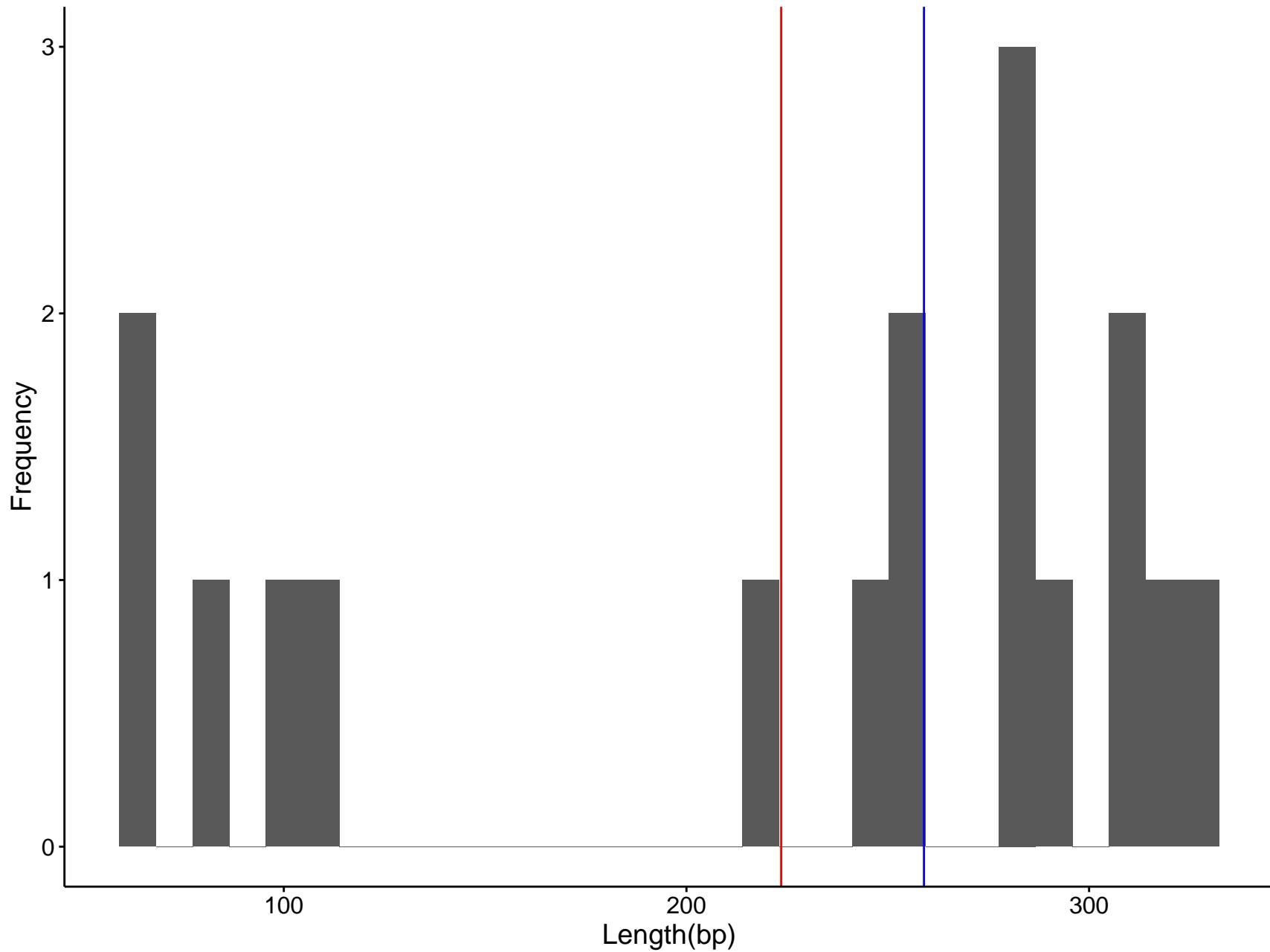
Cluster2375



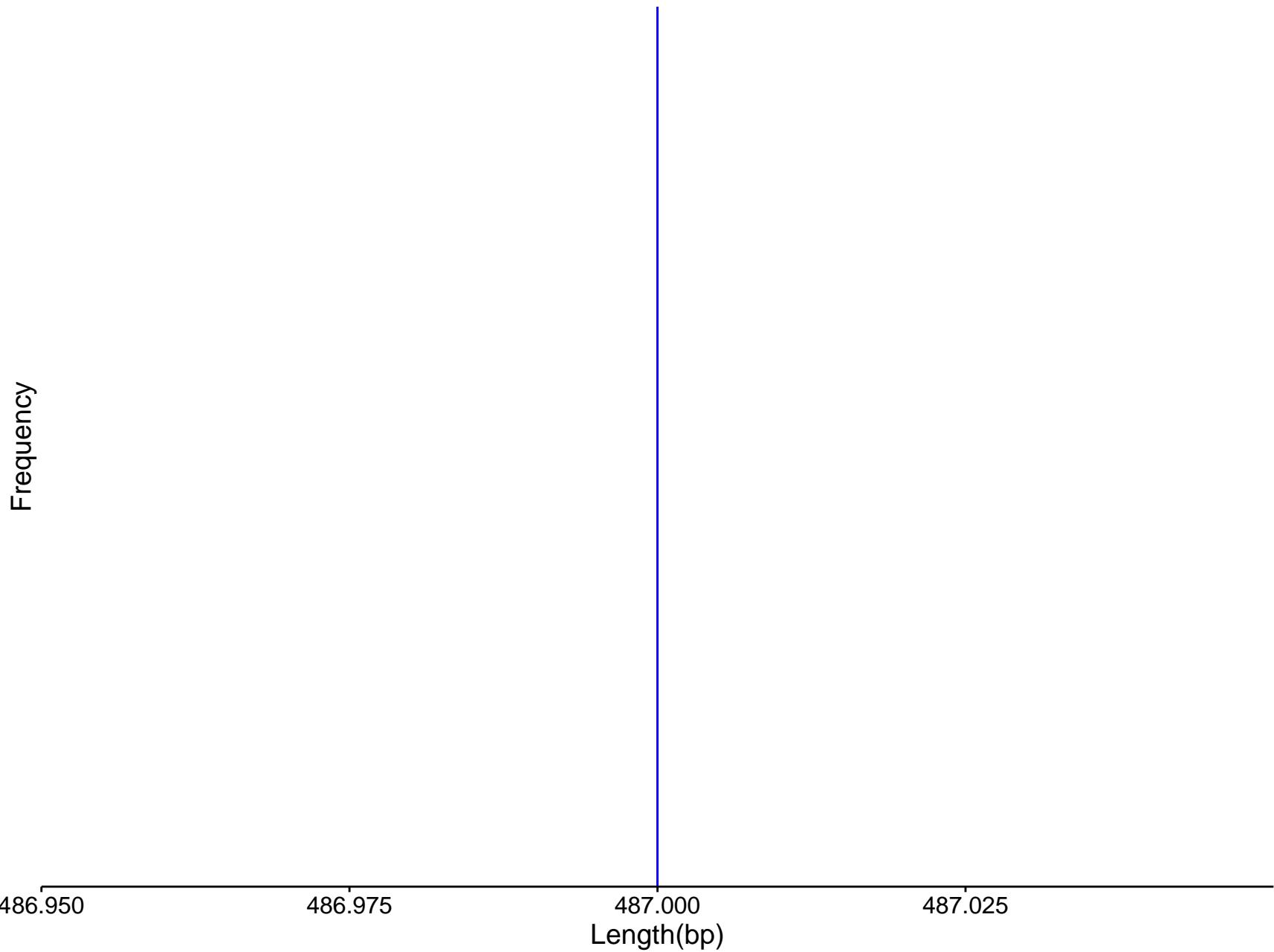
Cluster2376



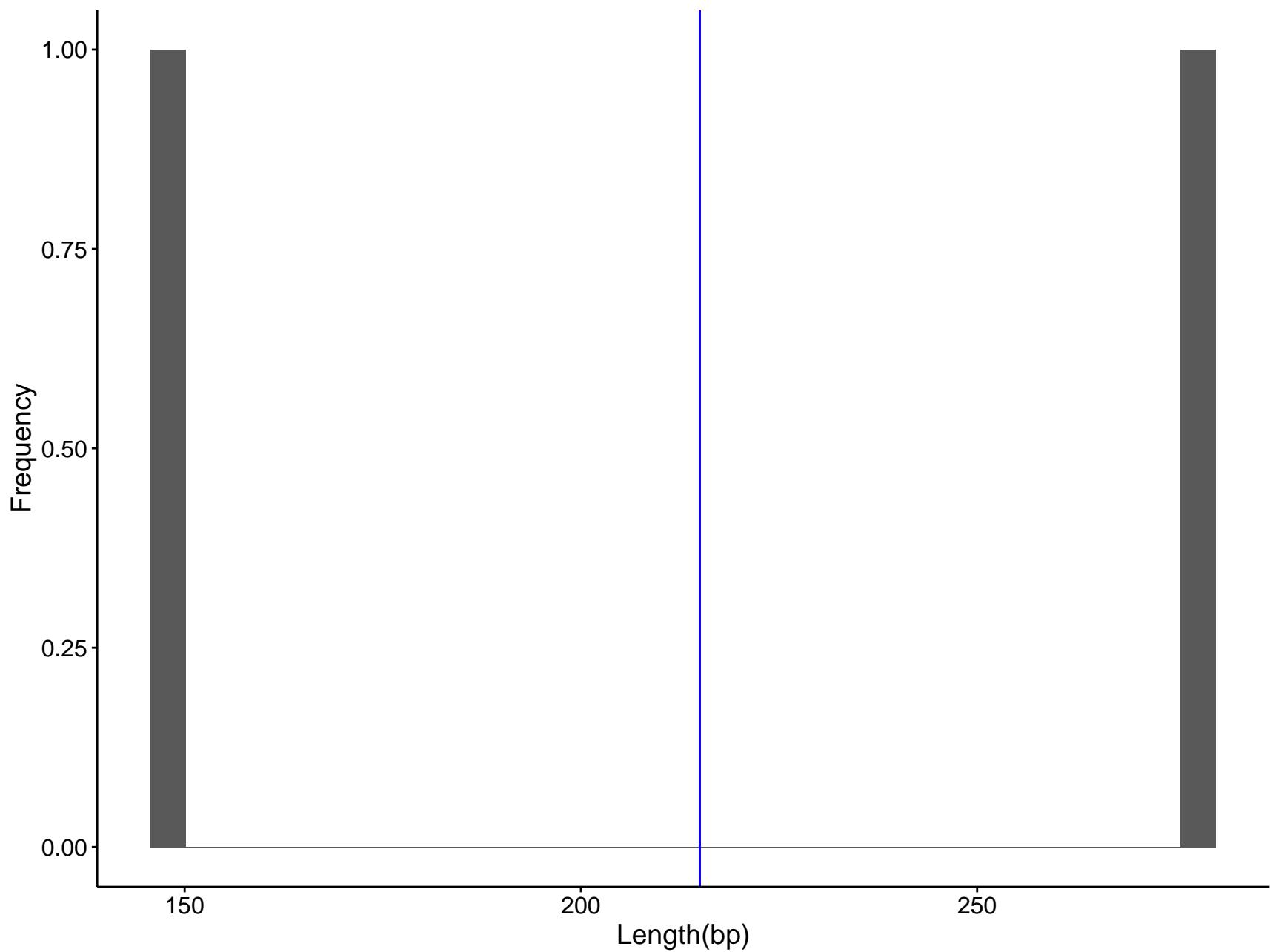
Cluster2377



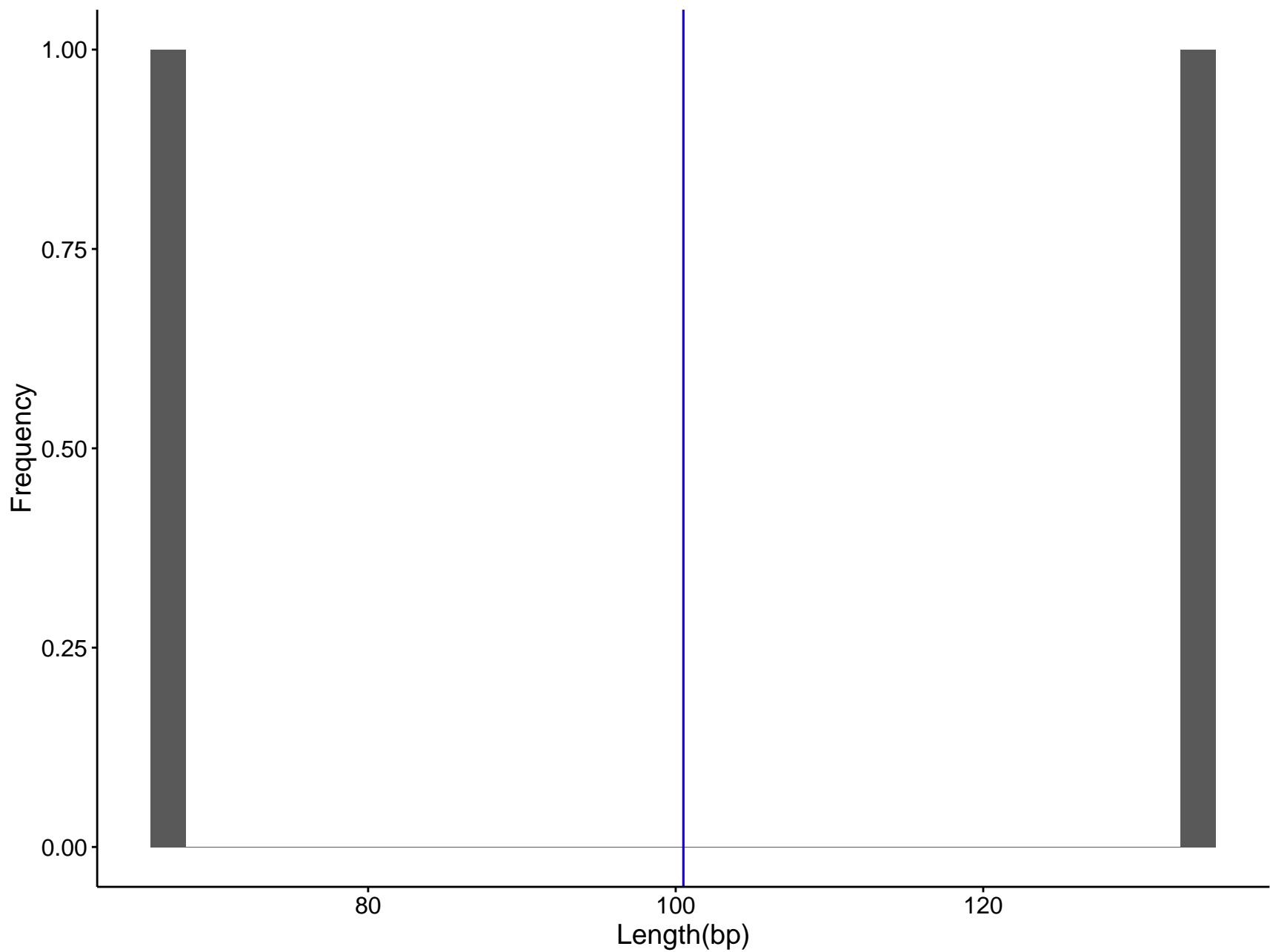
Cluster2378



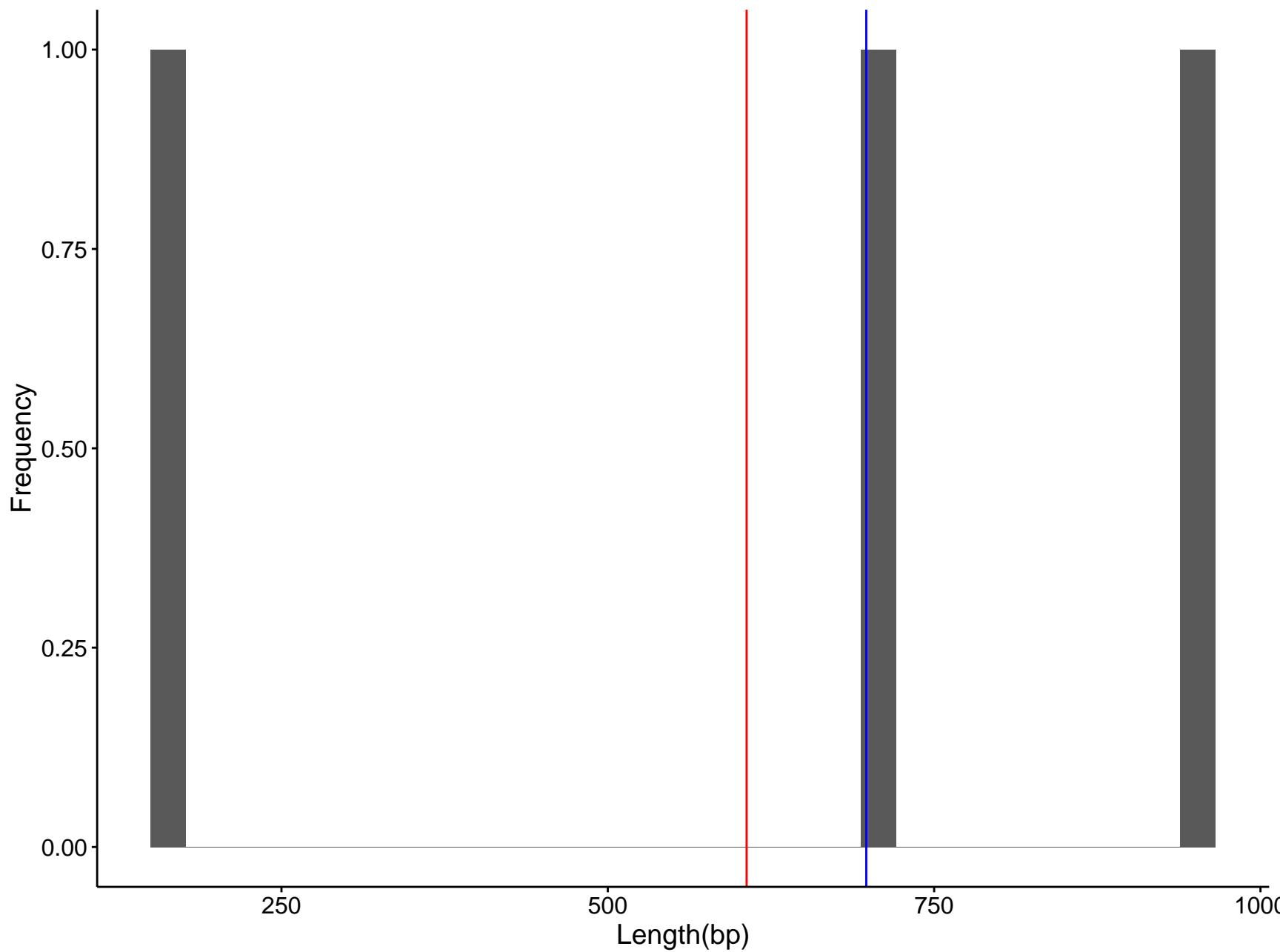
Cluster2381



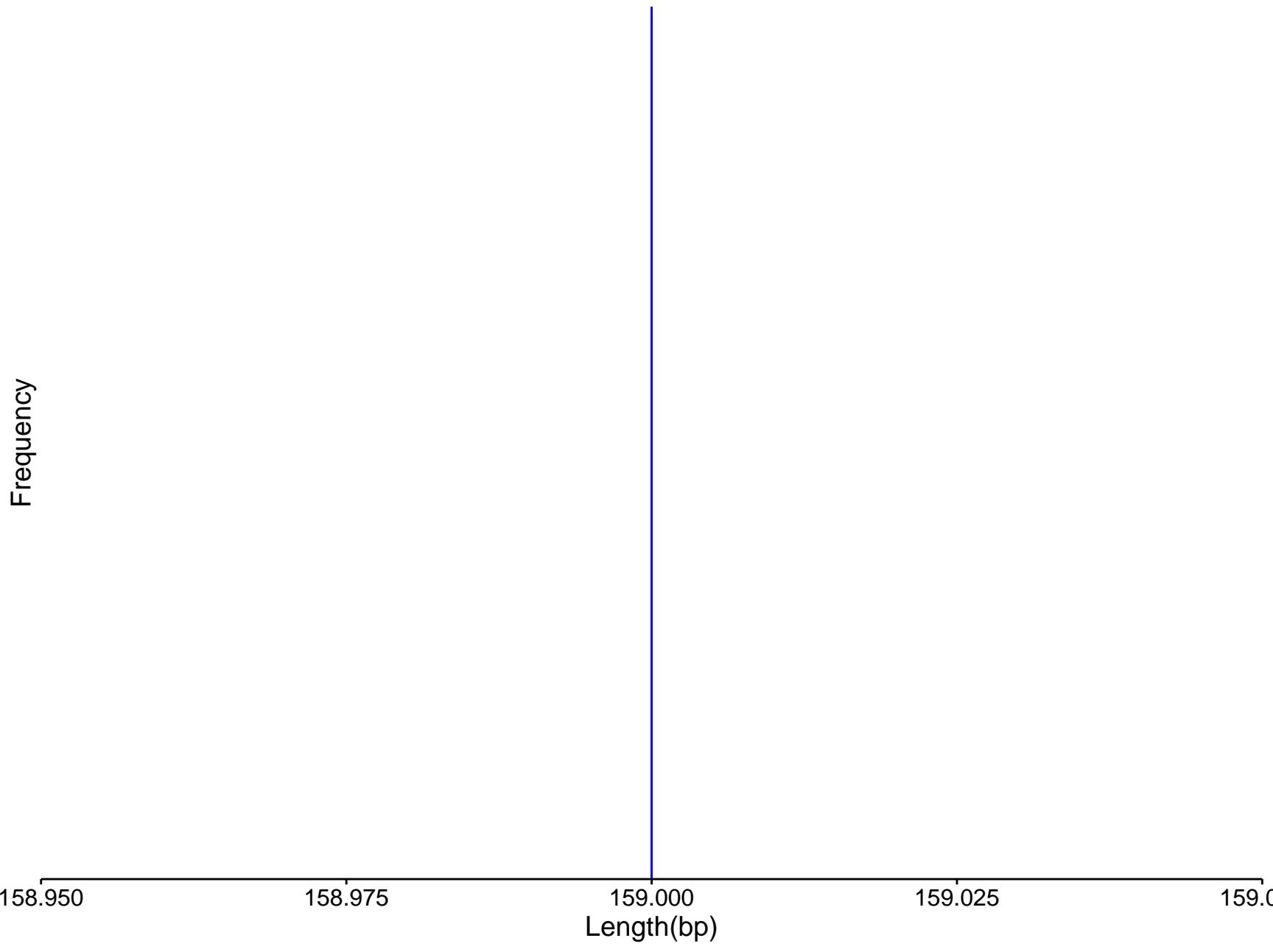
Cluster2383



Cluster2384



# Cluster2386



Cluster2387

Frequency

390.950

390.975

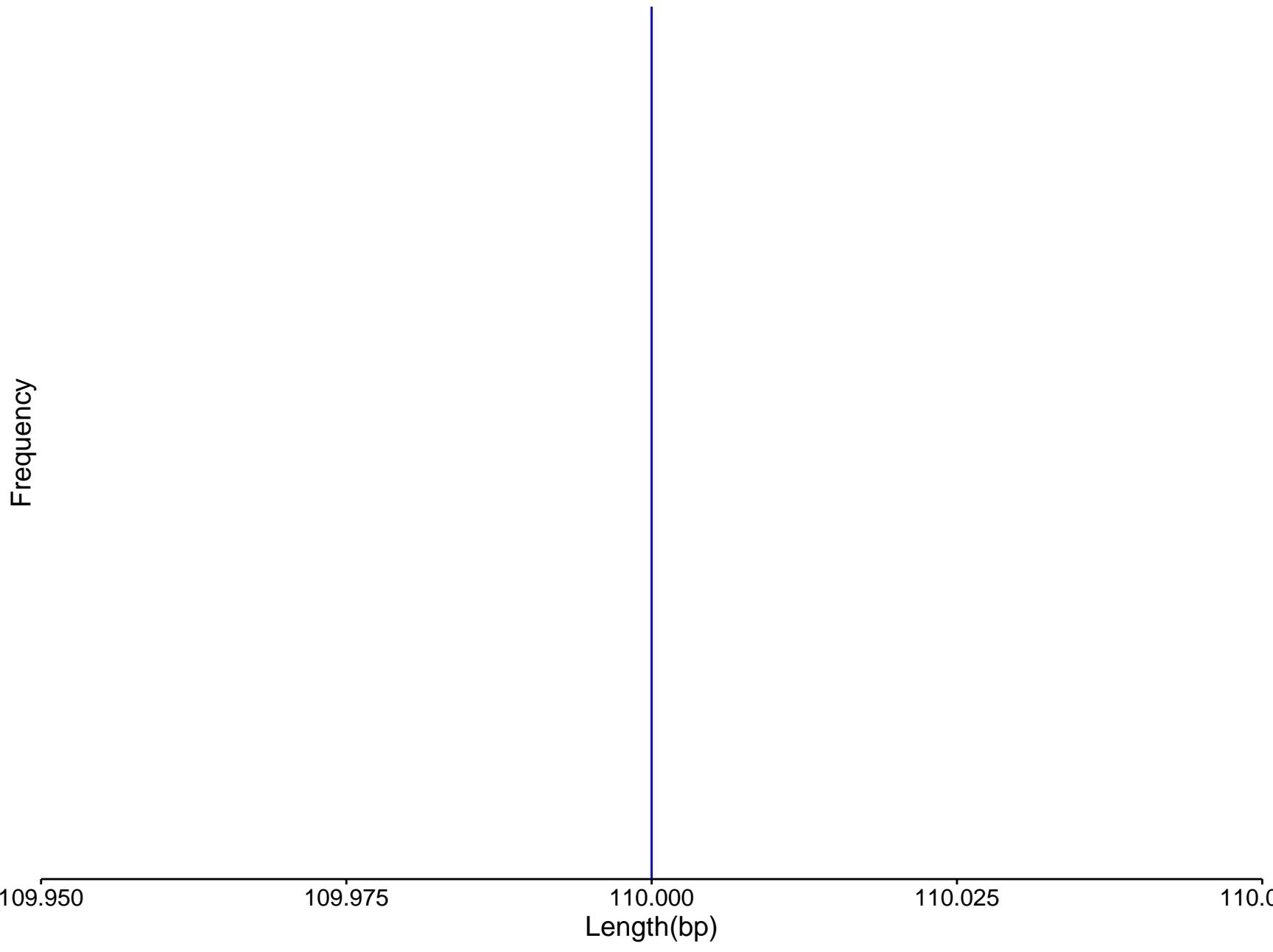
391.000

391.025

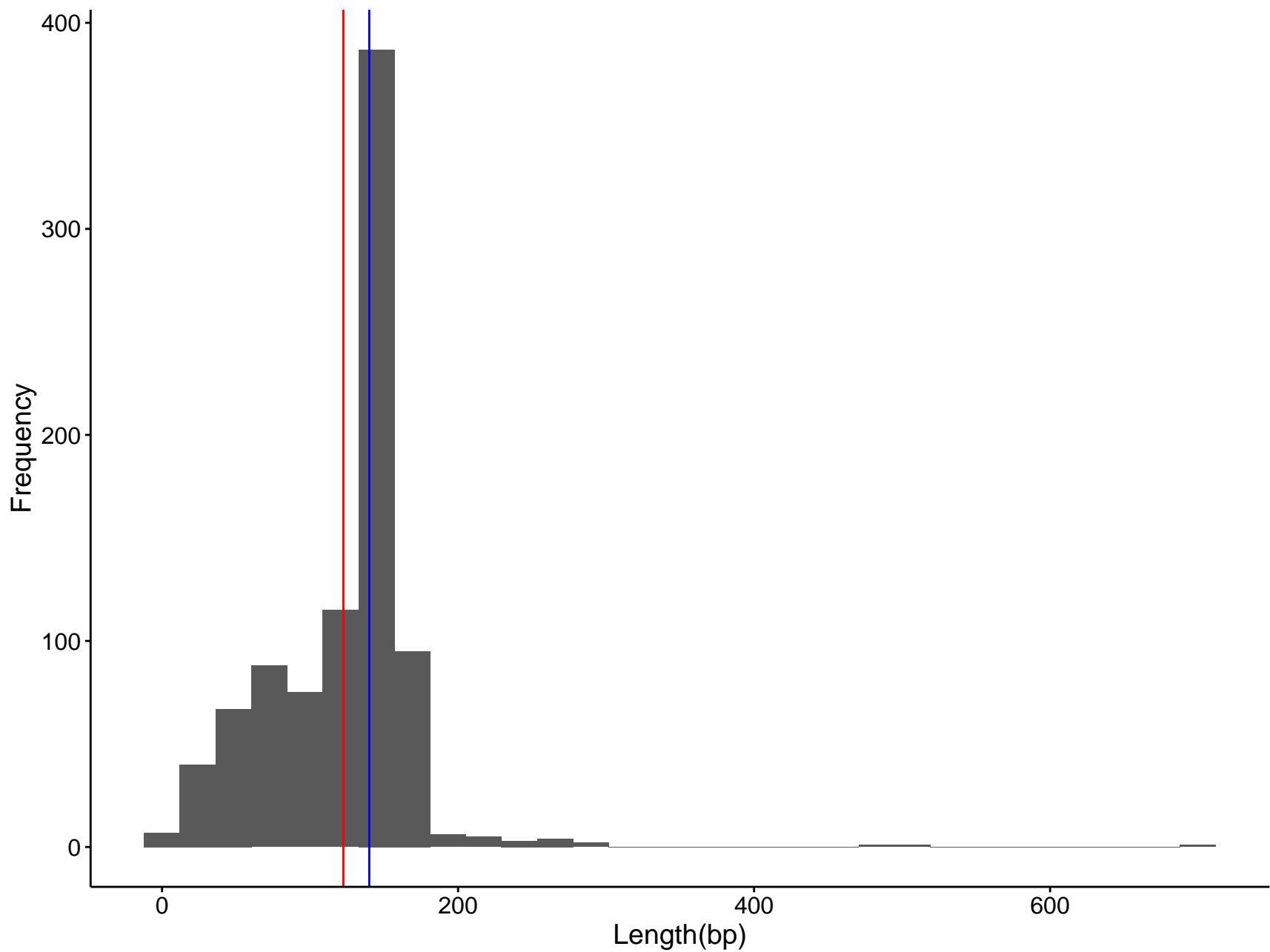
Length(bp)



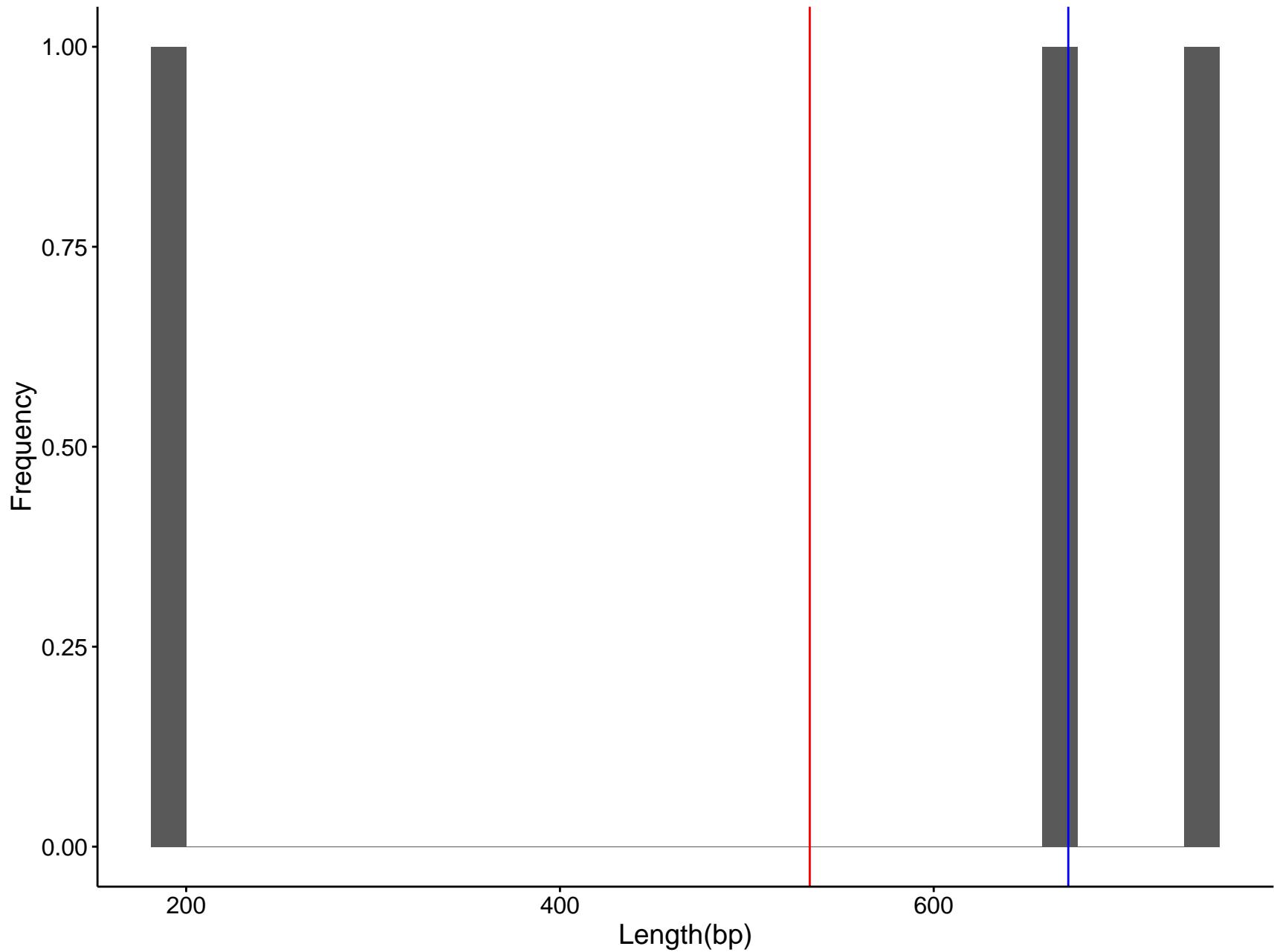
Cluster2388



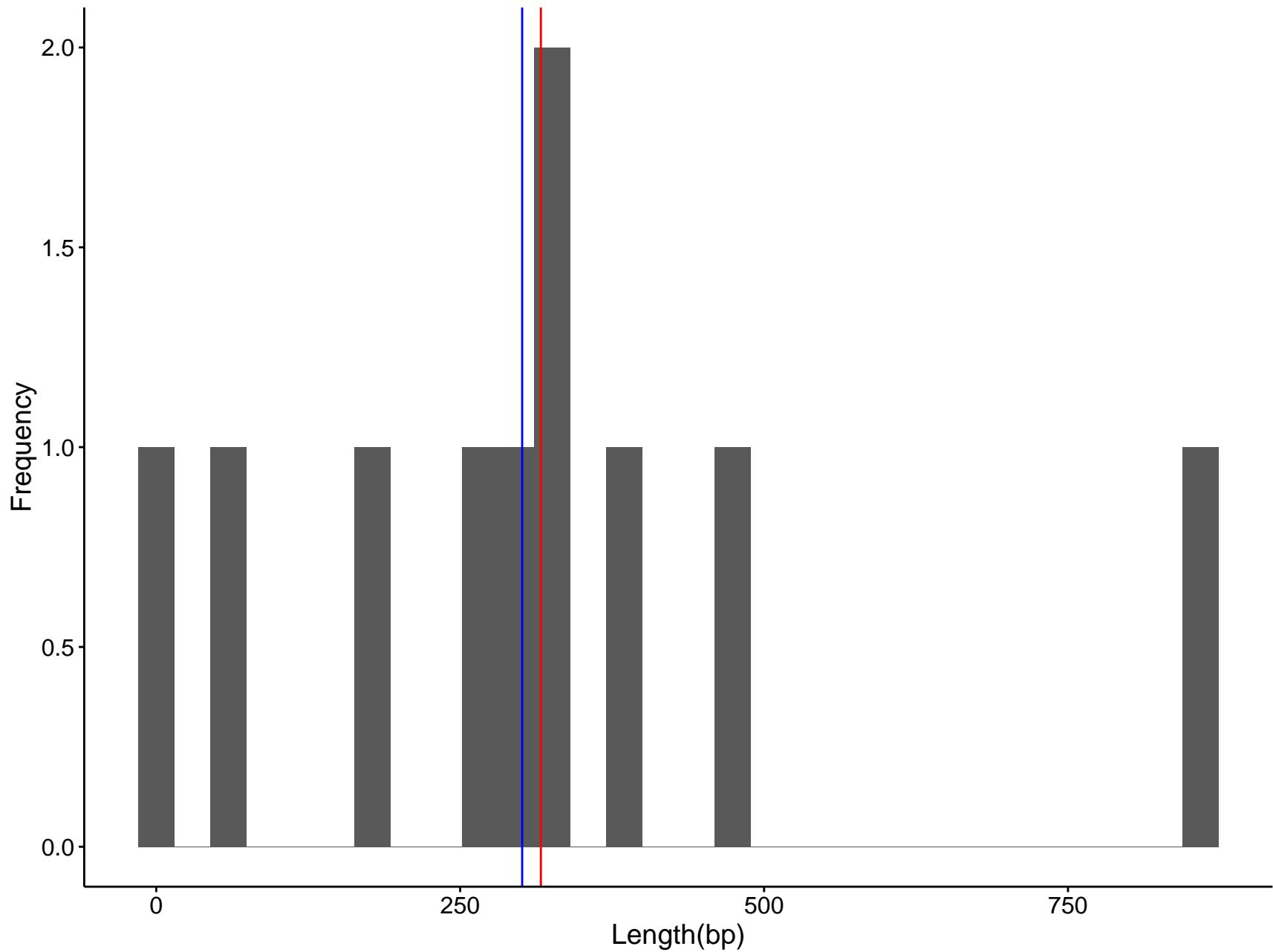
Cluster2389



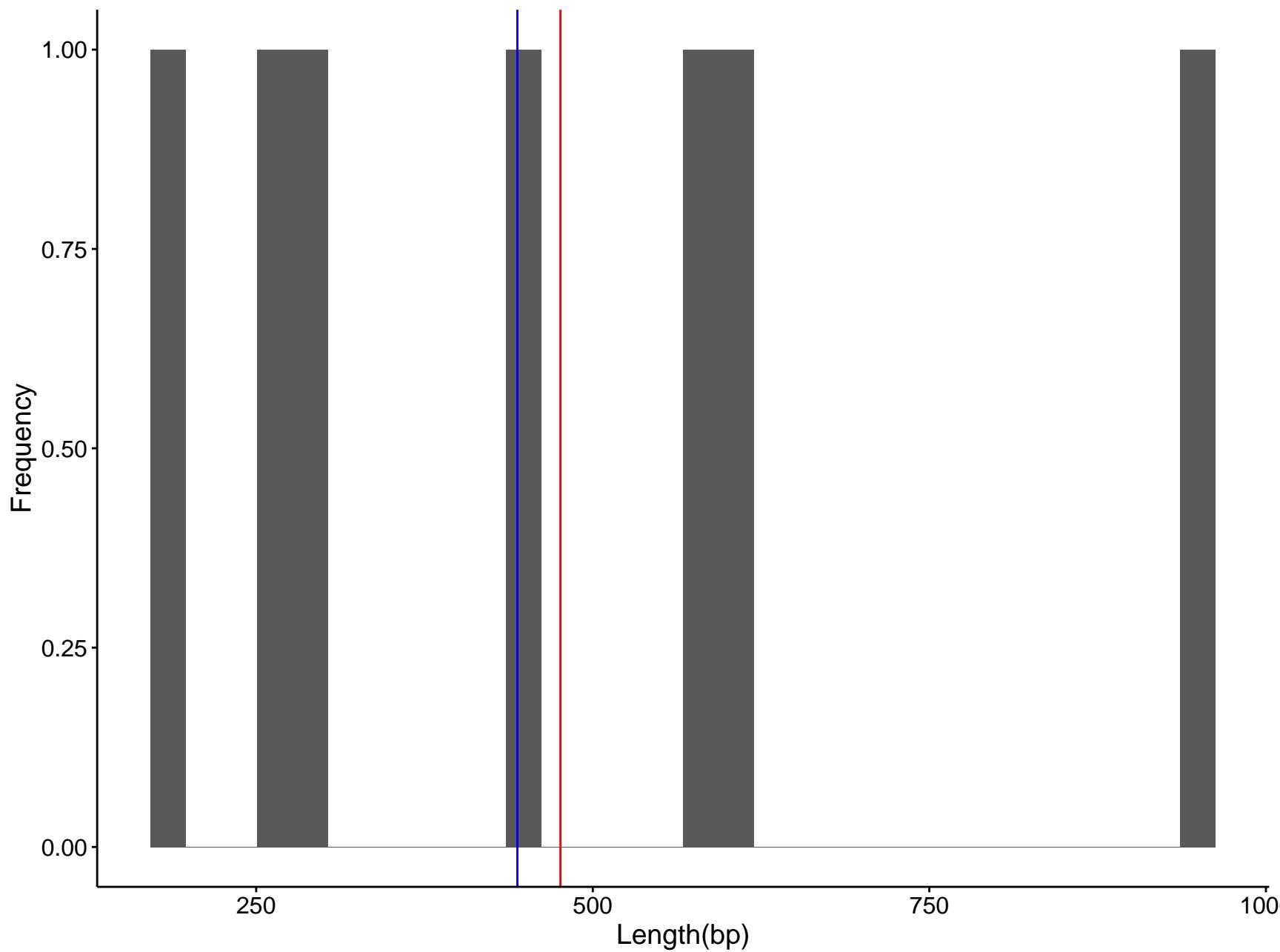
Cluster238



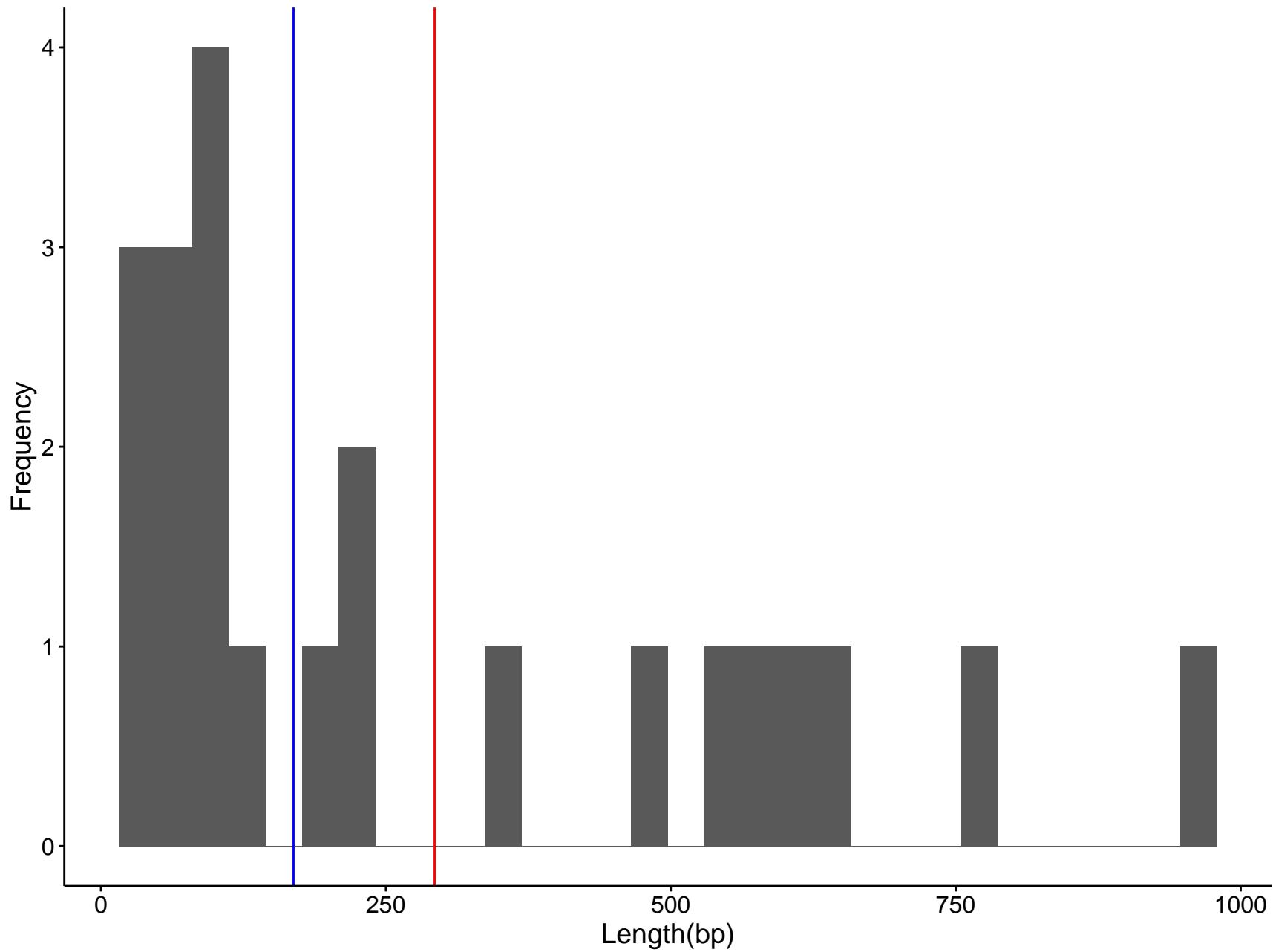
Cluster2391



Cluster2392



Cluster2393



Cluster2394

Frequency

288.950

288.975

289.000

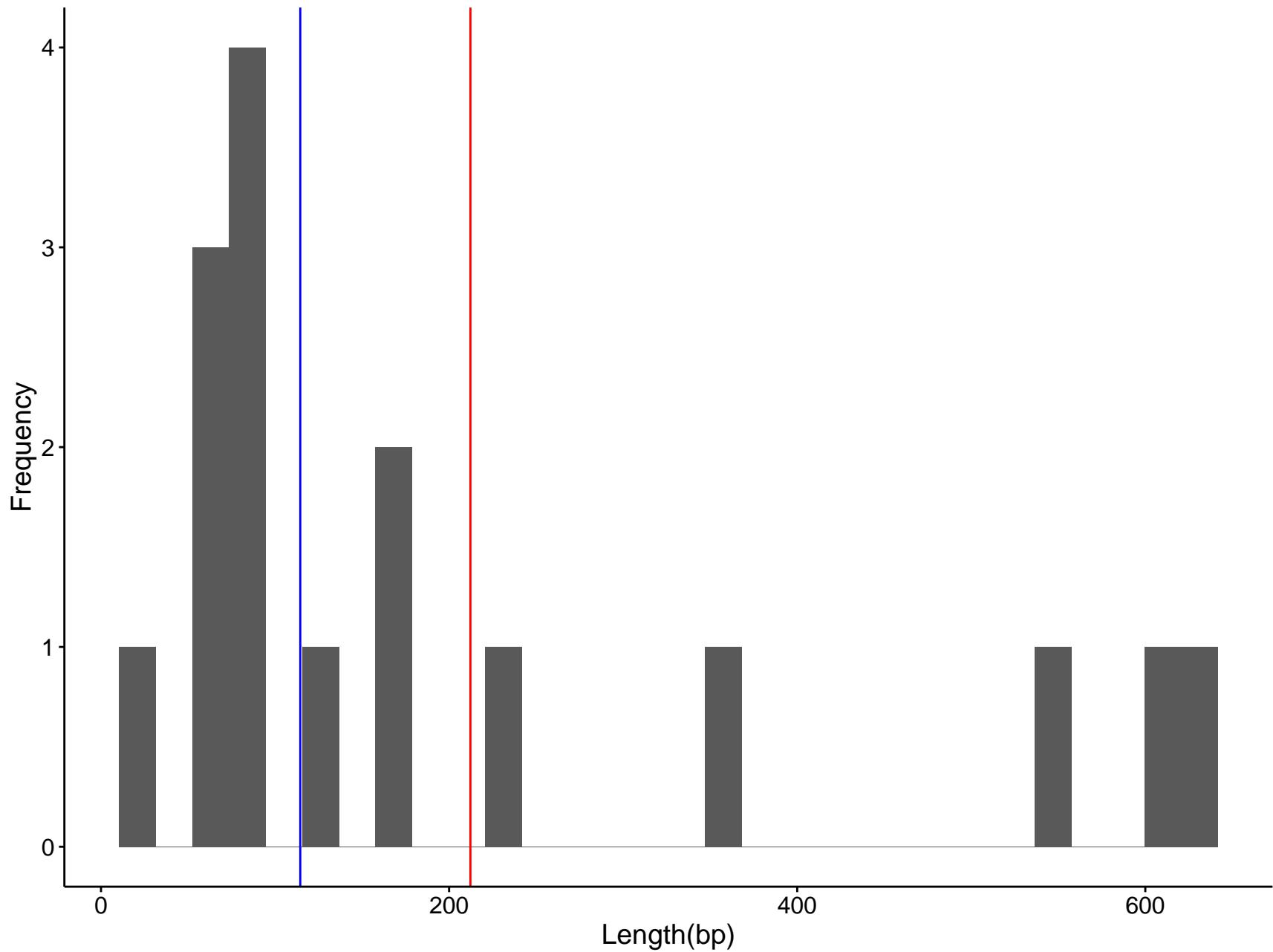
289.025

289.050

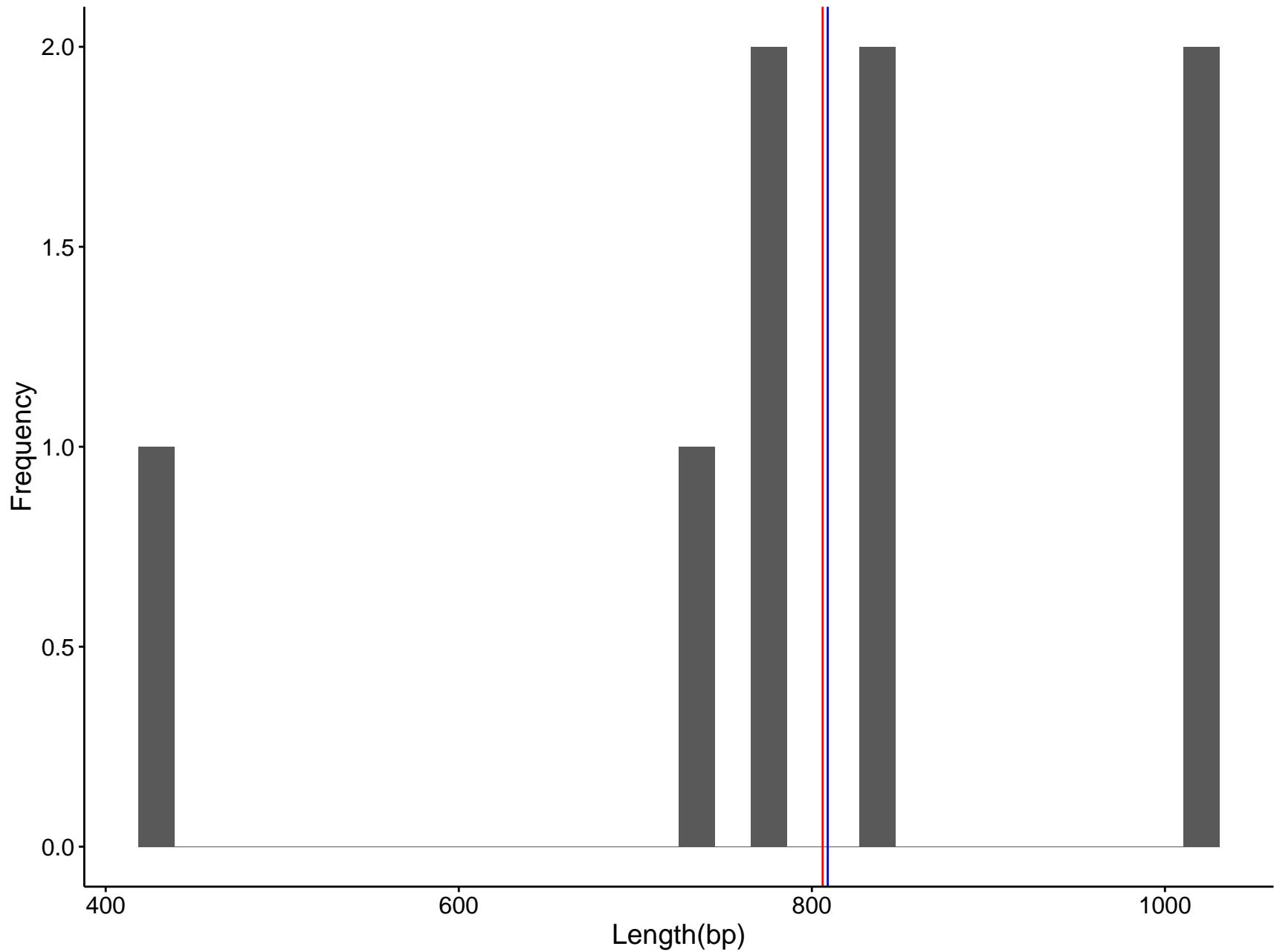
Length(bp)



Cluster2395



Cluster2396



Cluster2397

Frequency

1056.950

1056.975

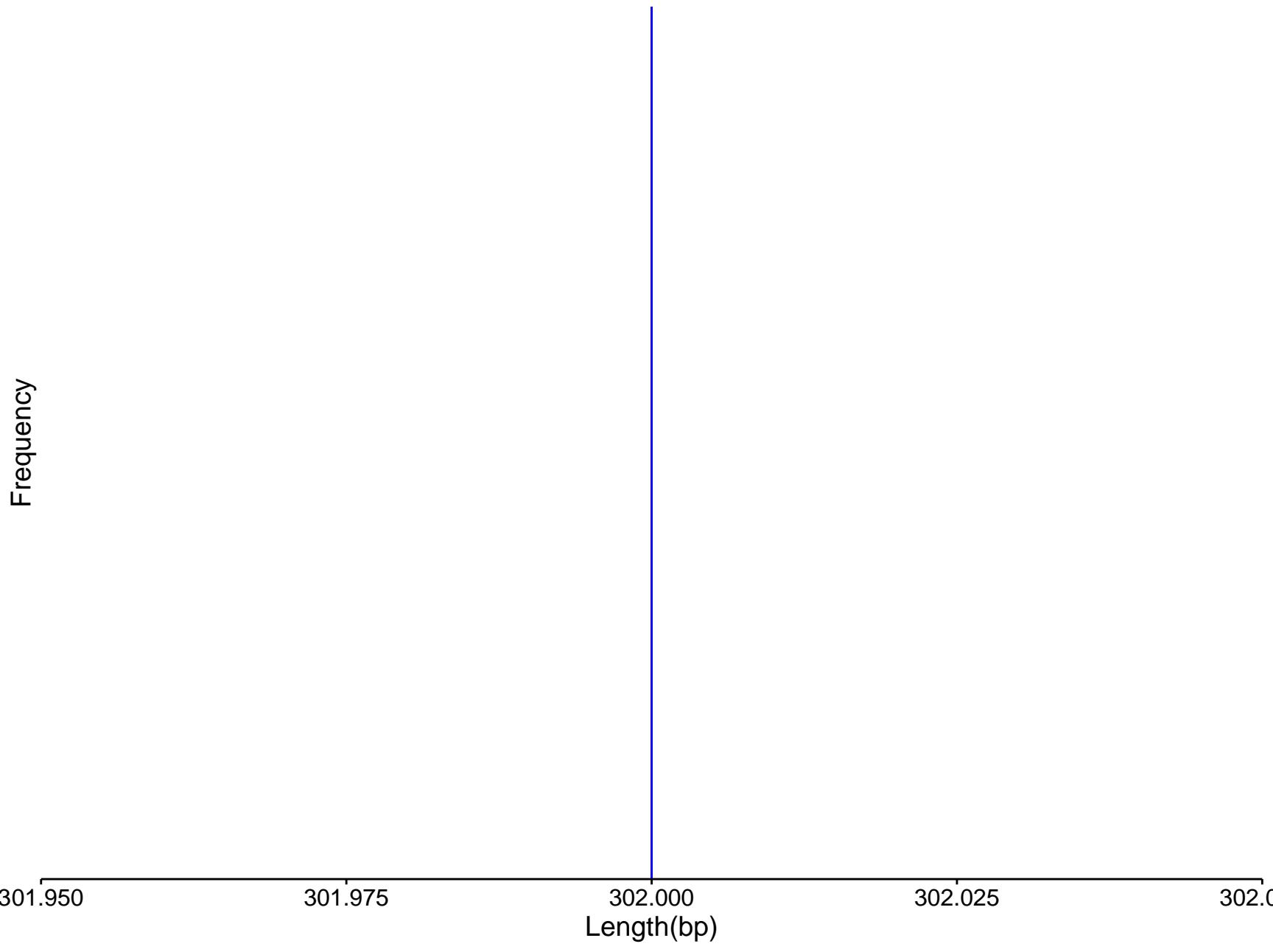
1057.000  
Length(bp)

1057.025

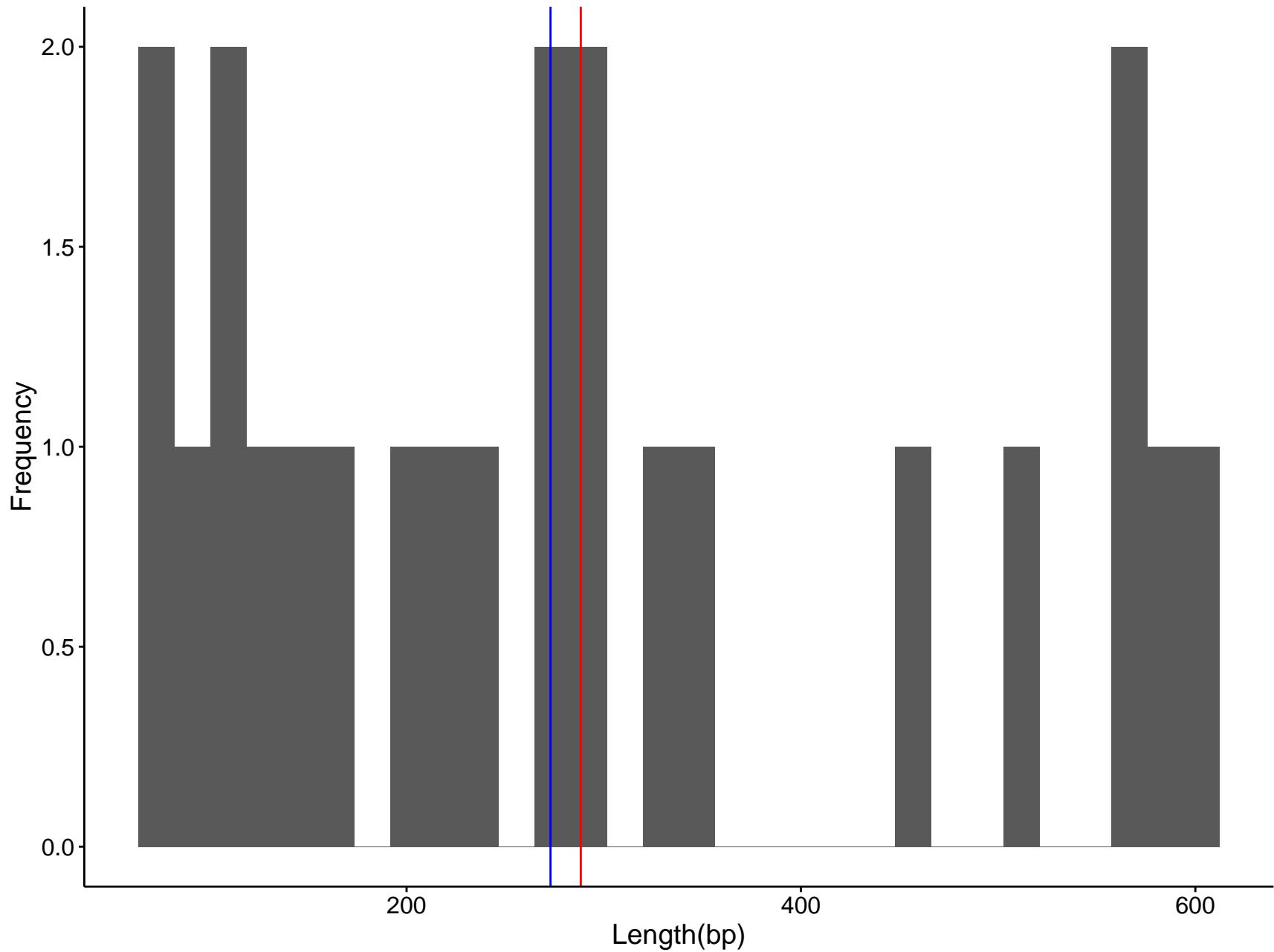
1057.



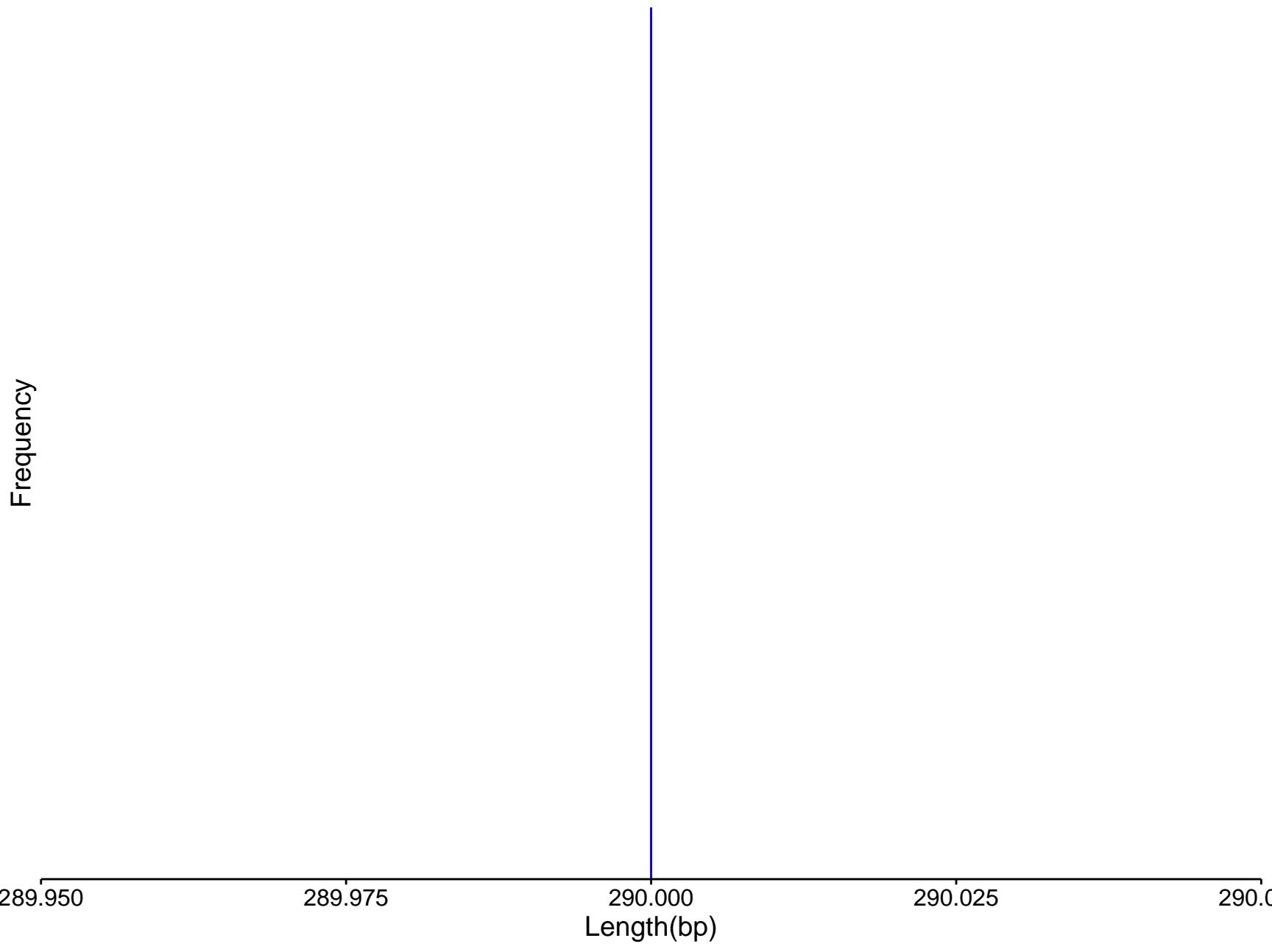
# Cluster2398



Cluster2399



# Cluster239



Cluster2400

Frequency

276.950

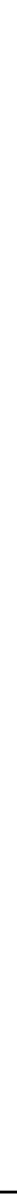
276.975

277.000

277.025

277.050

Length(bp)



Cluster2401

Frequency

203.950

203.975

204.000

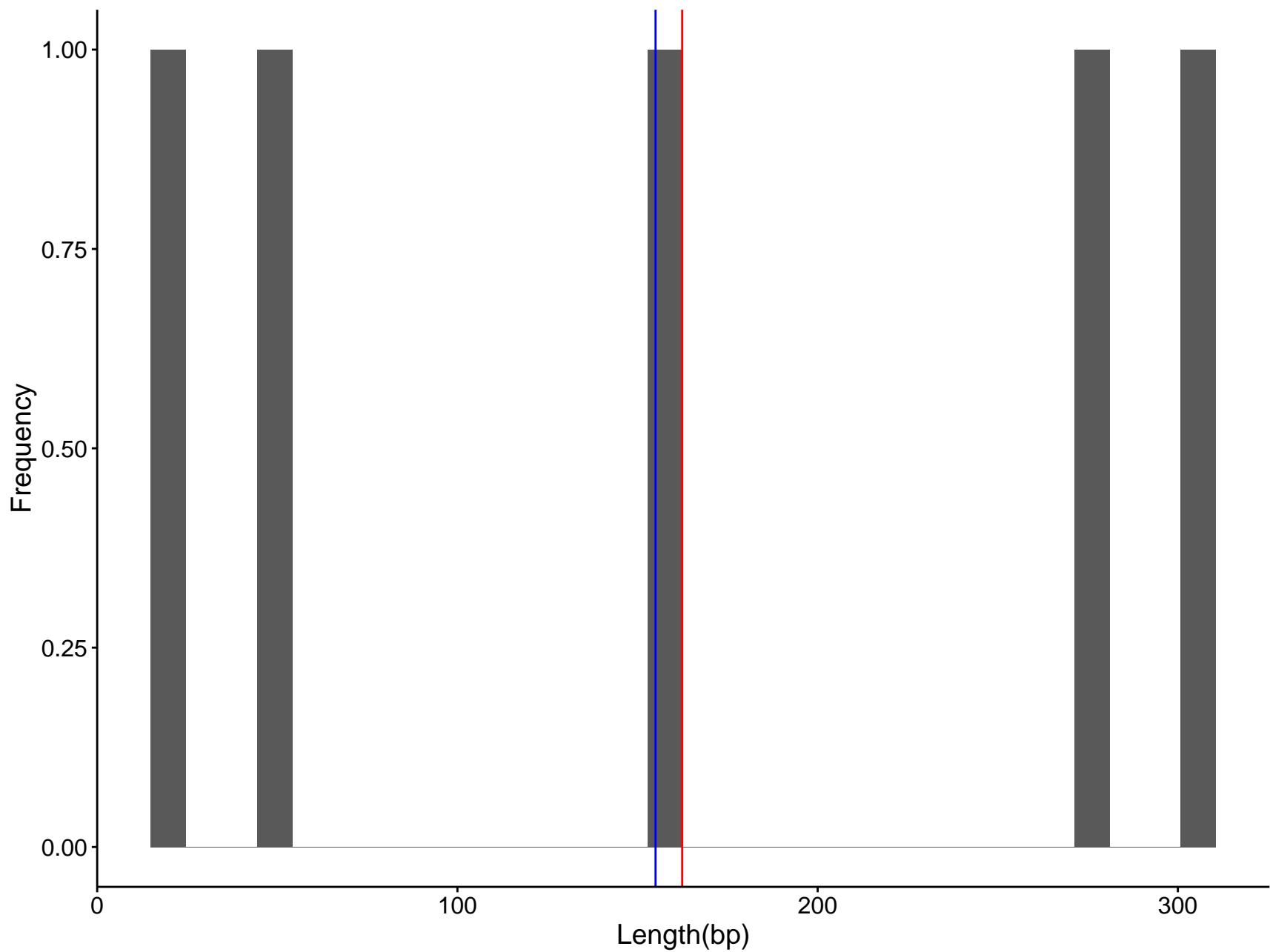
204.025

204.050

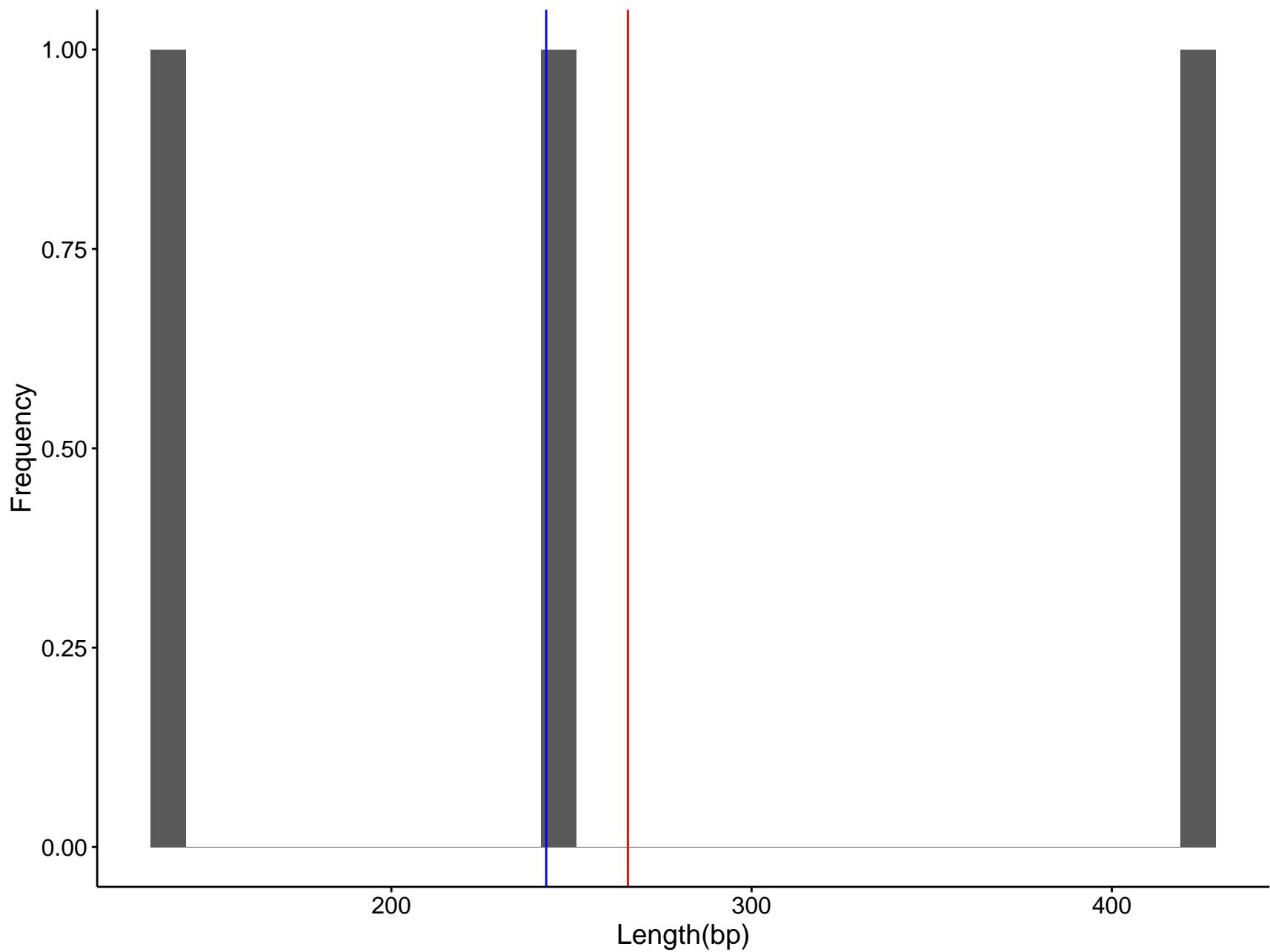
Length(bp)



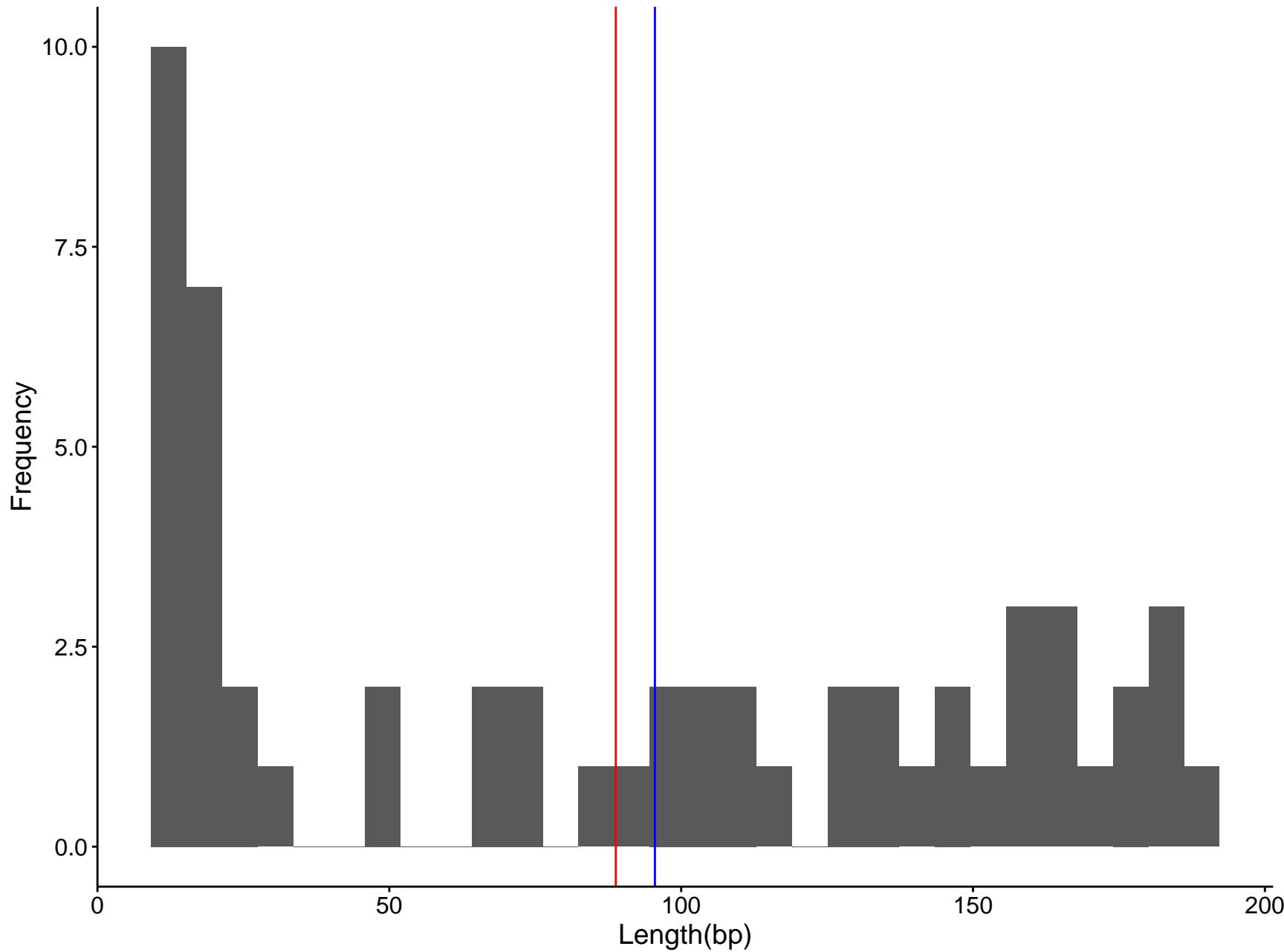
Cluster2402



Cluster2403



Cluster2404



Cluster2405

Frequency

371.950

371.975

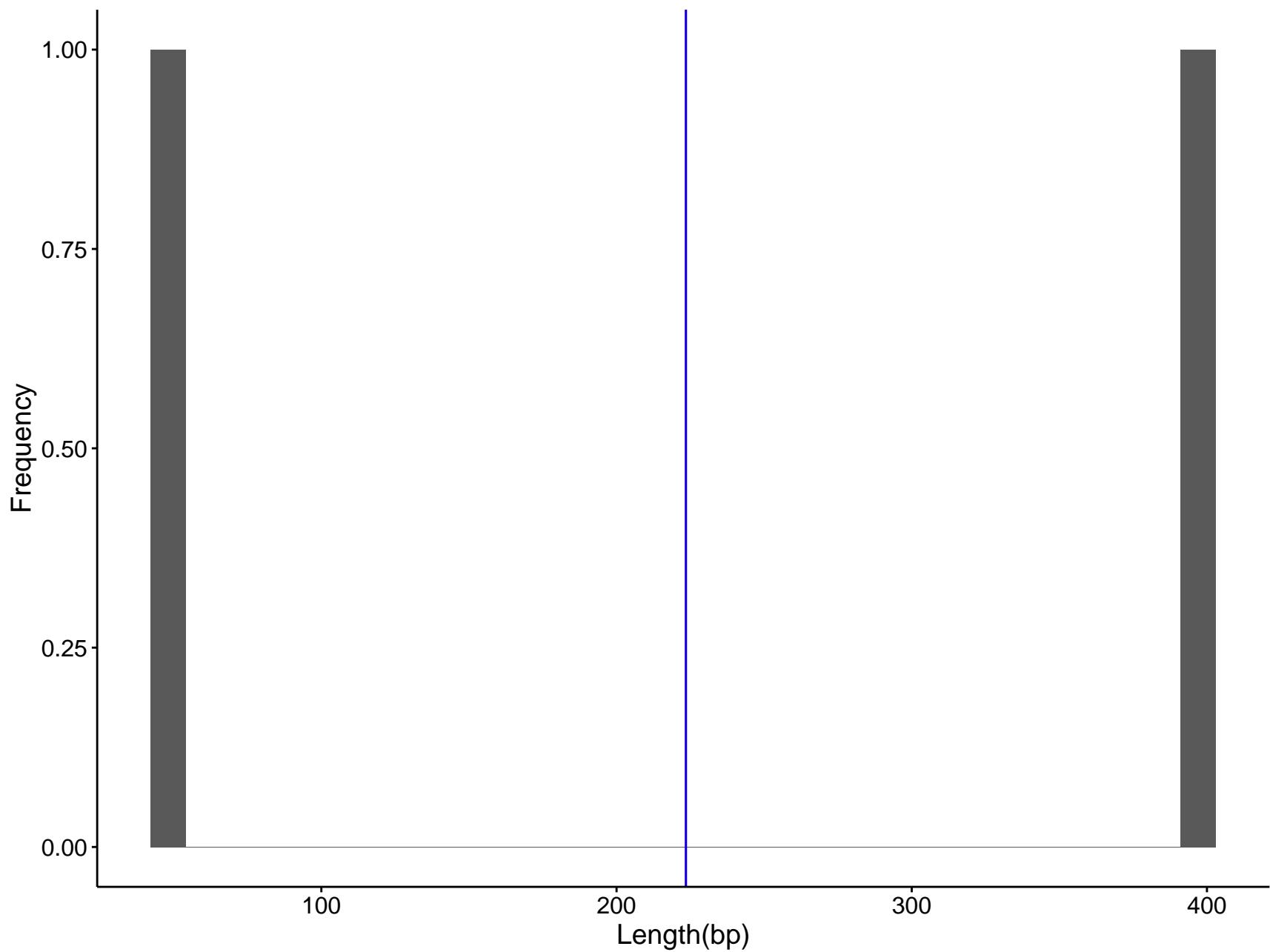
372.000

372.025

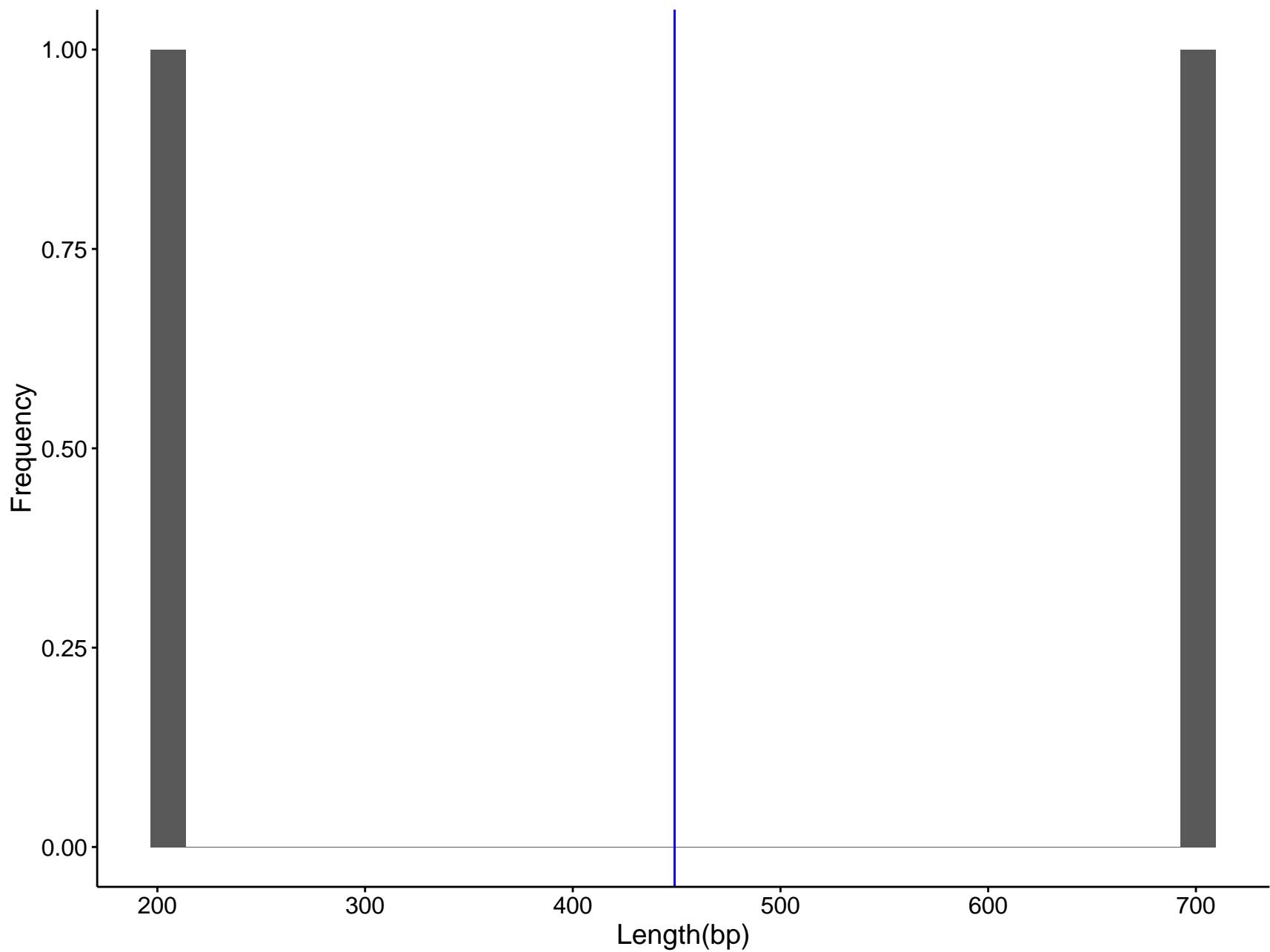
Length(bp)



Cluster2406



Cluster2407



Cluster2408

Frequency

78.950

78.975

79.000

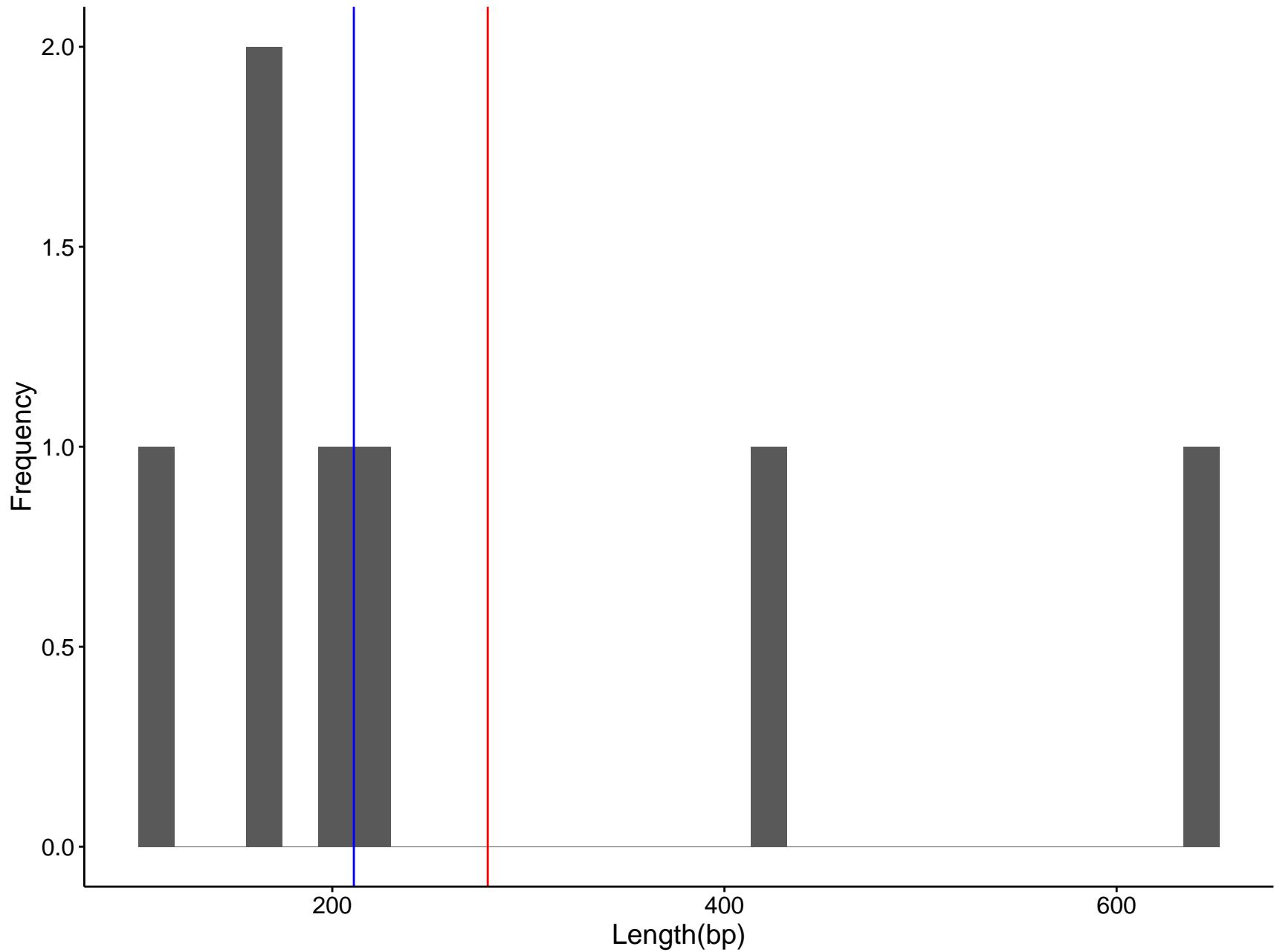
79.025

79.0

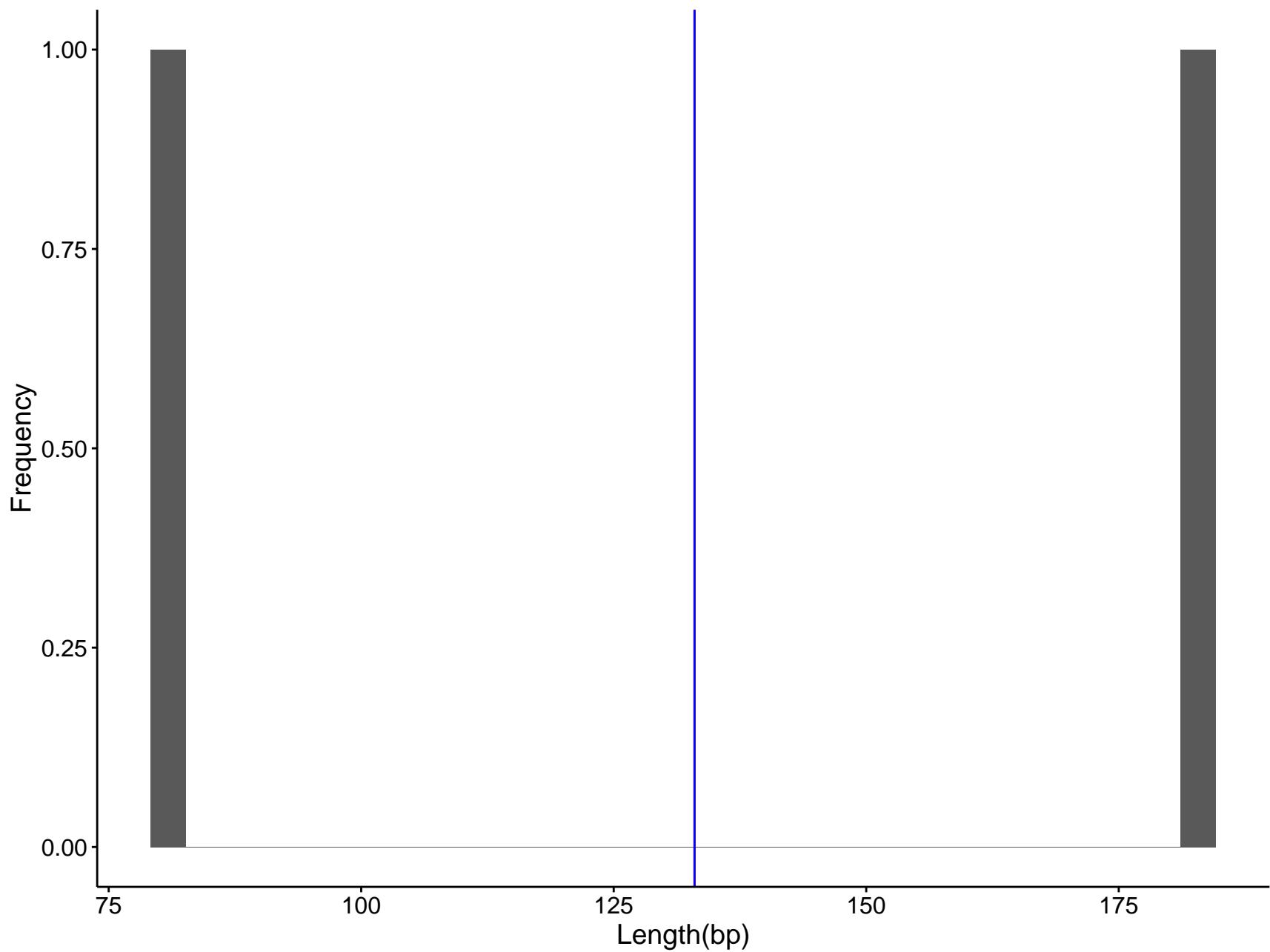
Length(bp)



Cluster2409



Cluster2411



Cluster2413

Frequency

128.950

128.975

129.000

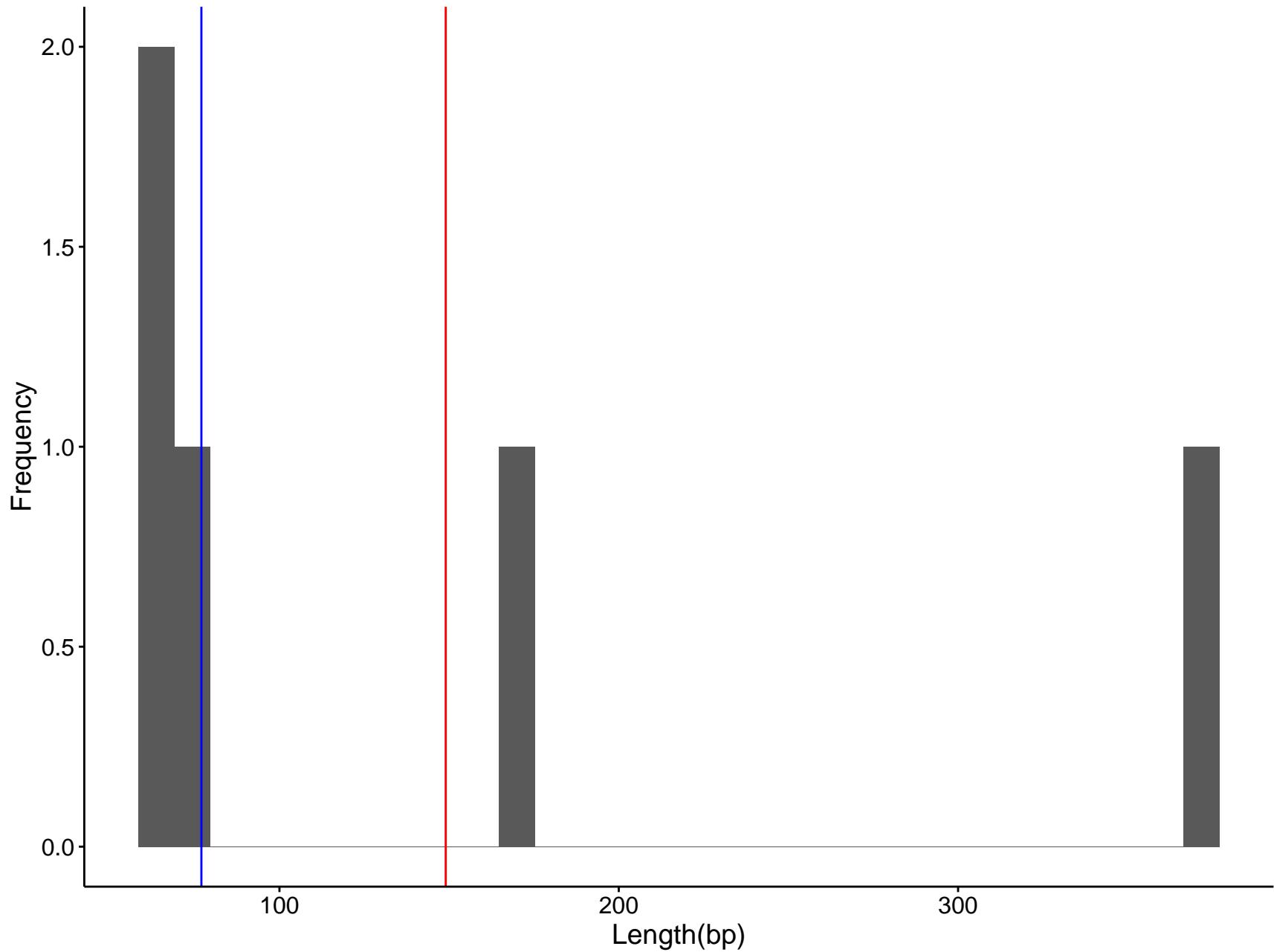
129.025

129.050

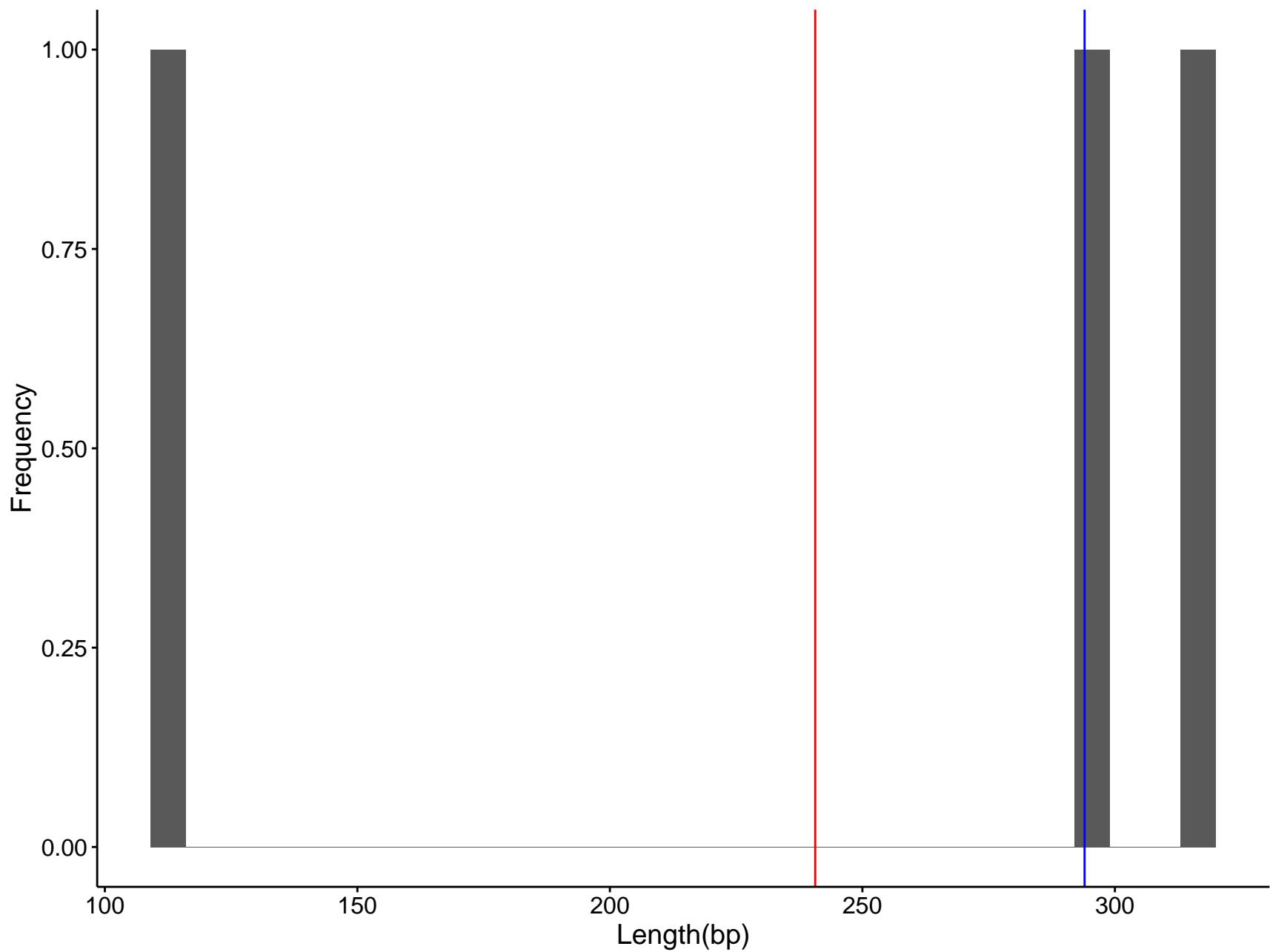
Length(bp)



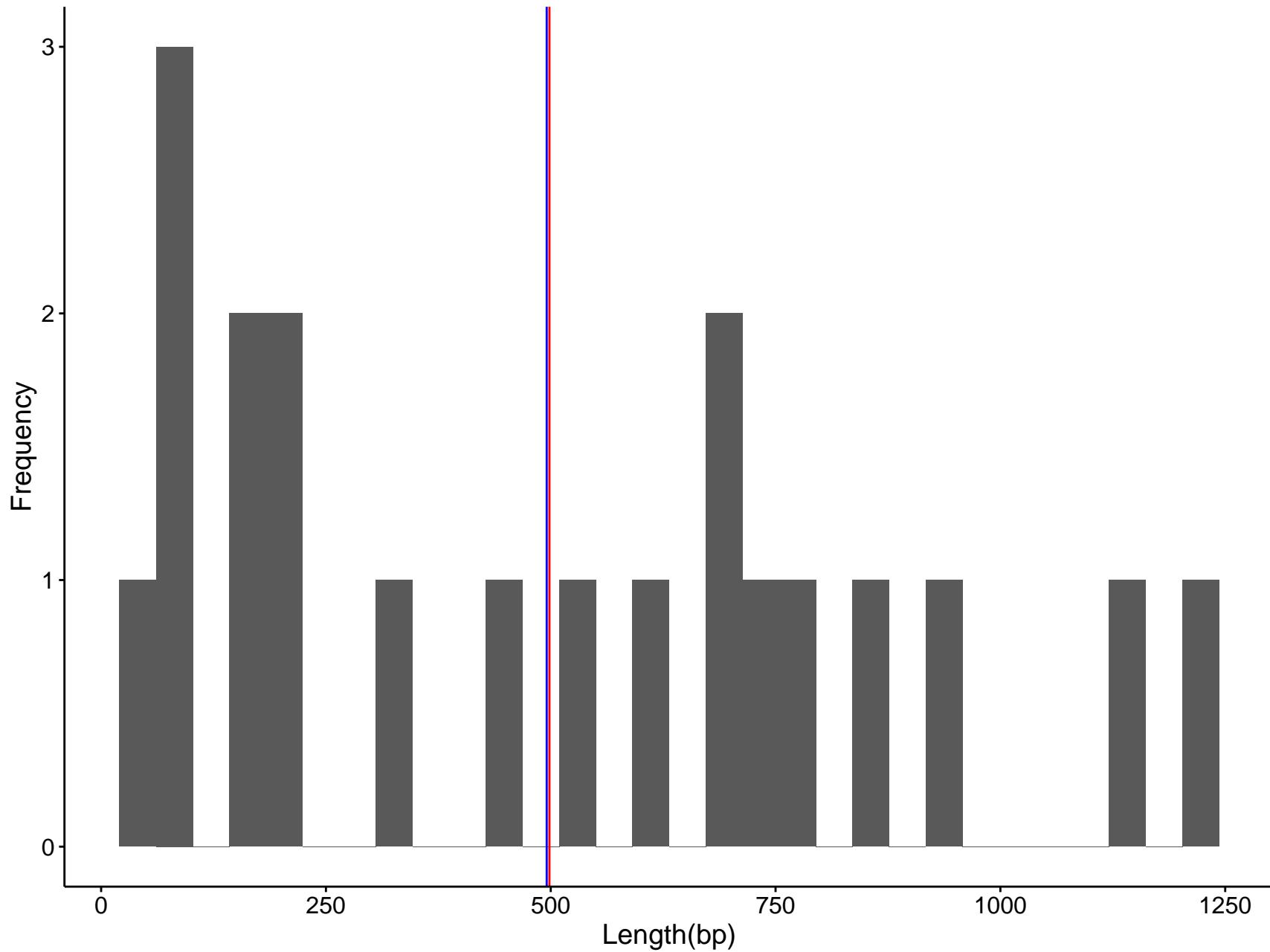
Cluster2414



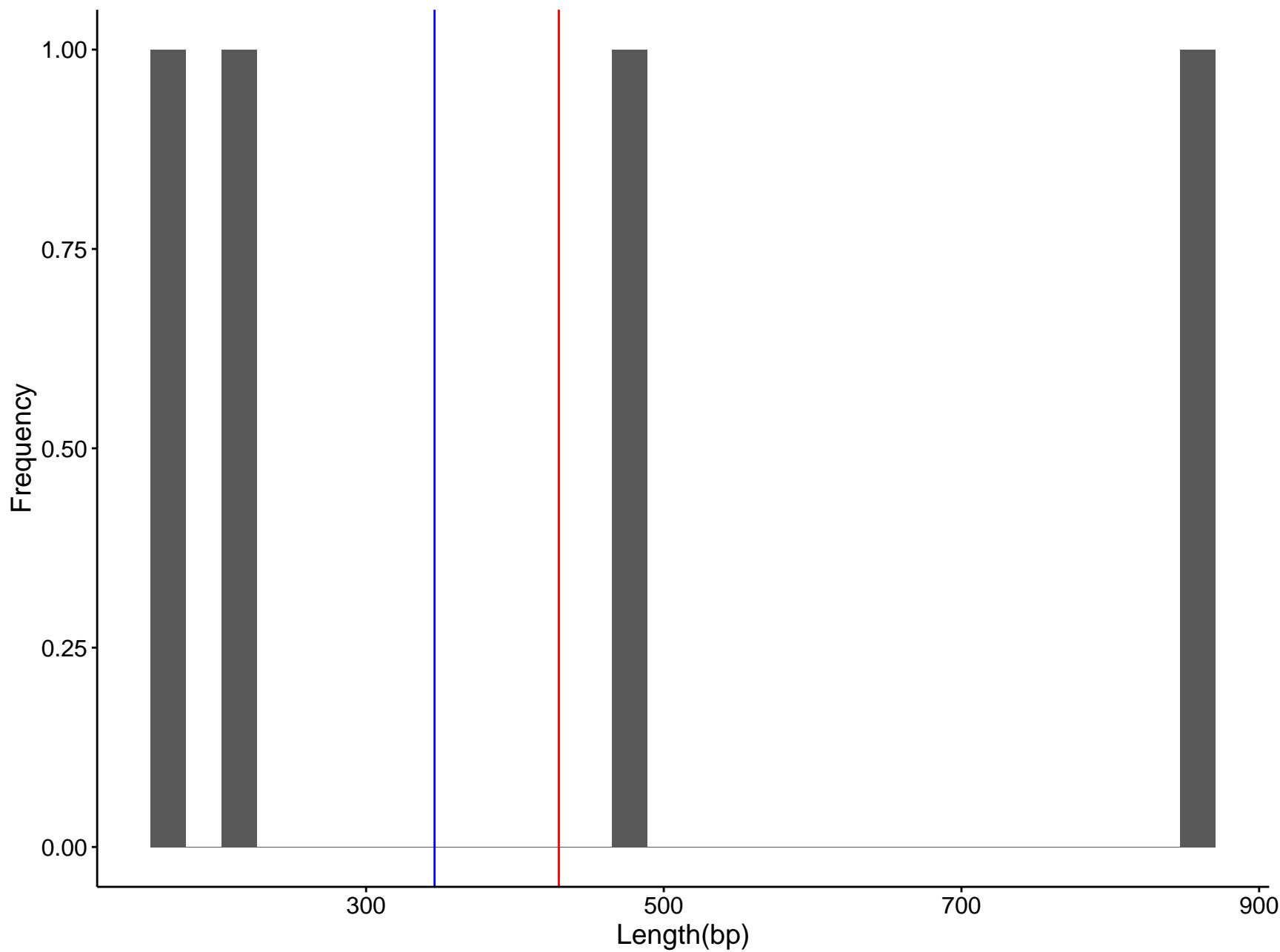
Cluster2415



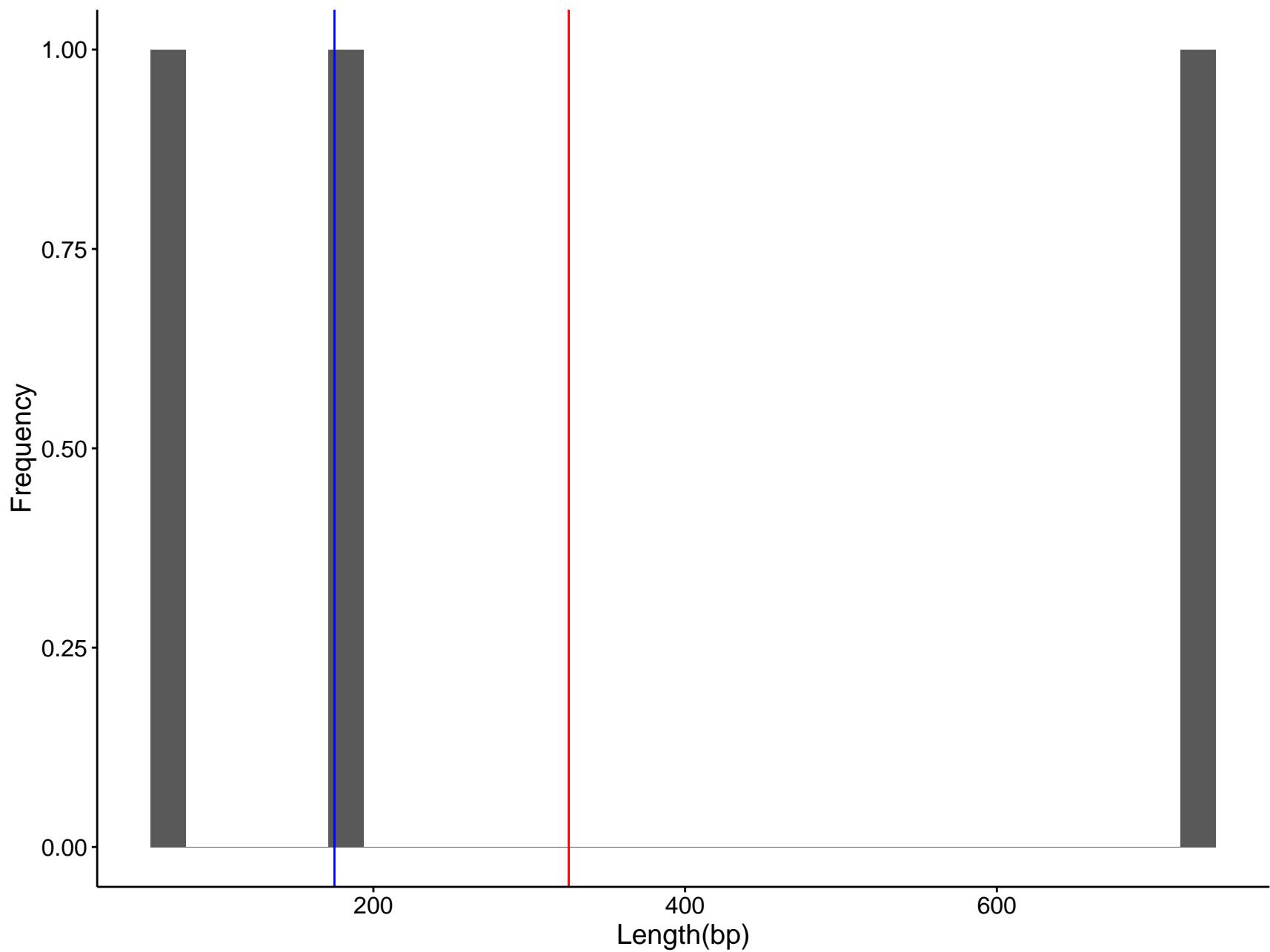
Cluster2416



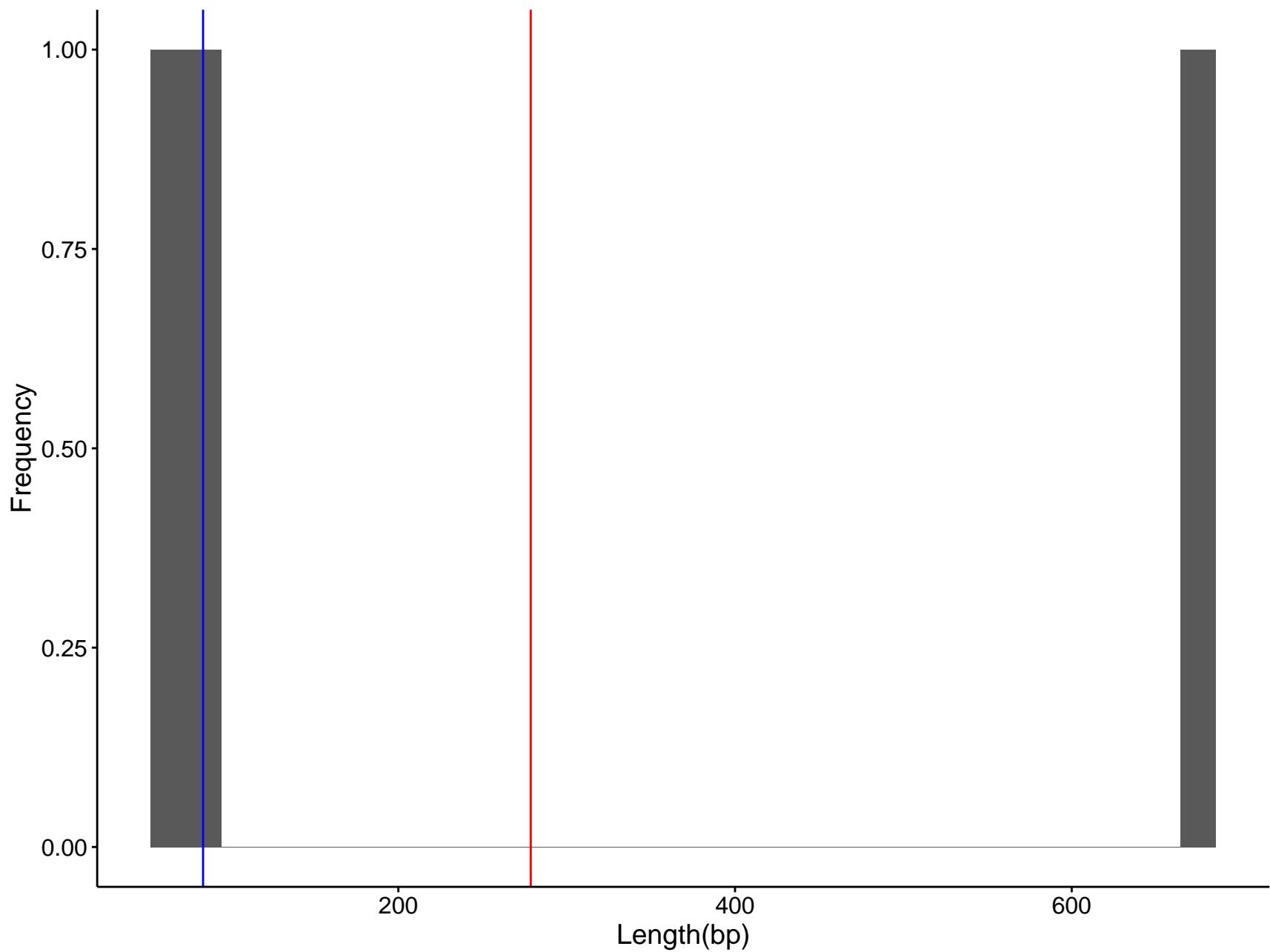
Cluster2417



Cluster2418



Cluster2419



Cluster2420

Frequency

1208.950

1208.975

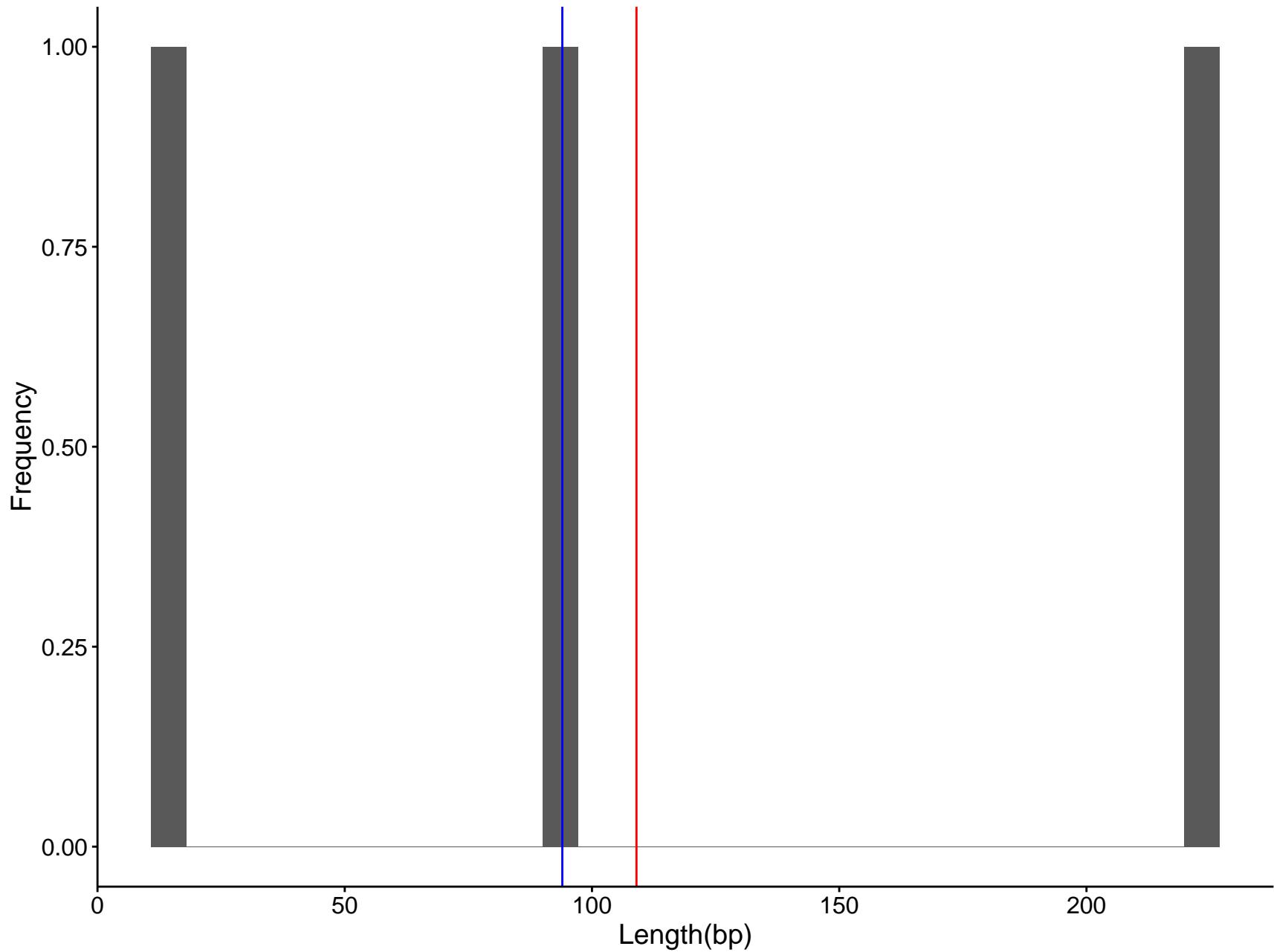
1209.000  
Length(bp)

1209.025

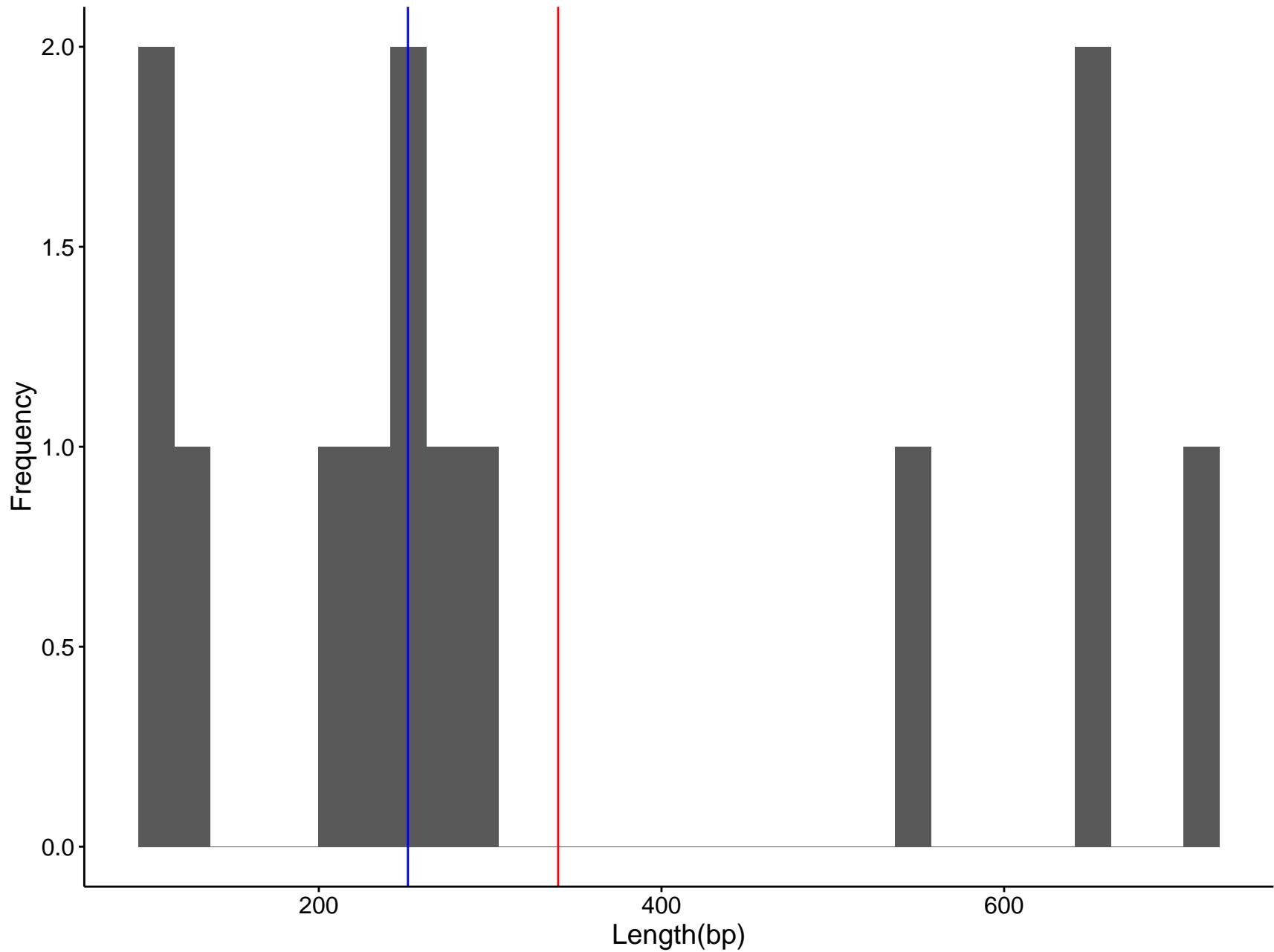
1209.



Cluster2421



Cluster2423



Cluster2425

Frequency

234.950

234.975

235.000

235.025

235.050

Length(bp)



Cluster2426

Frequency

211.950

211.975

212.000

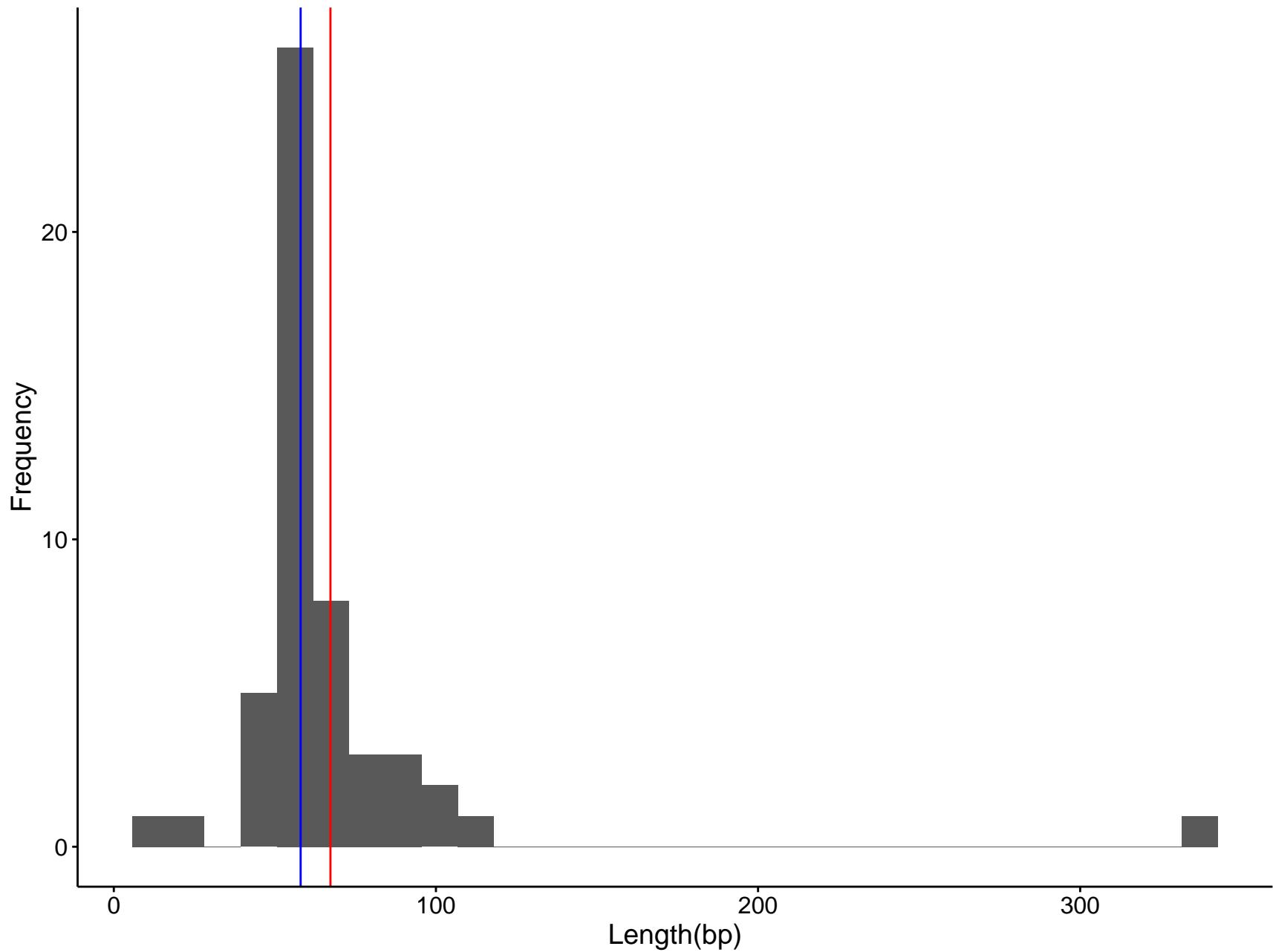
212.025

212.050

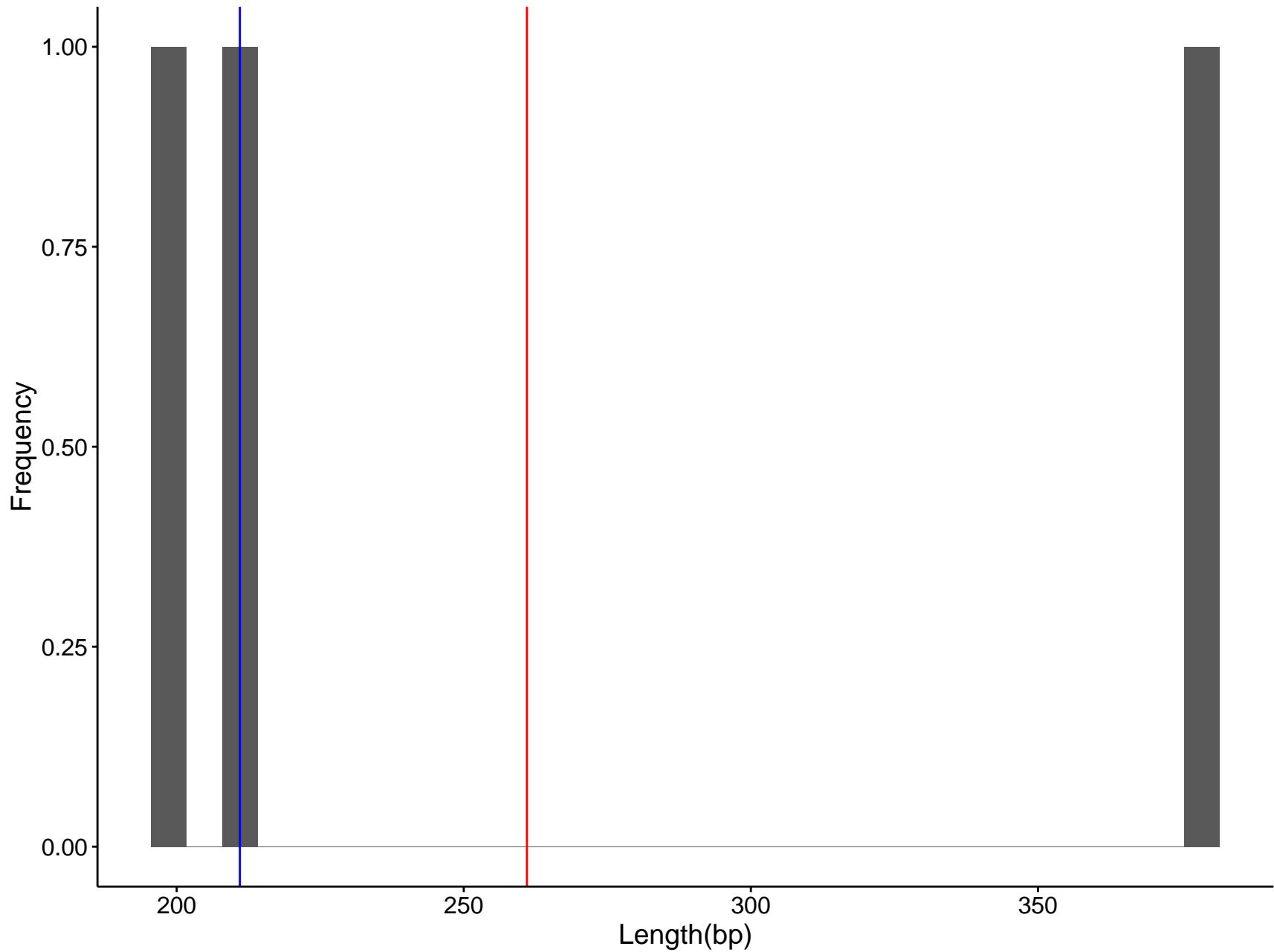
Length(bp)



Cluster2429



Cluster242



Cluster2430

Frequency

358.950

358.975

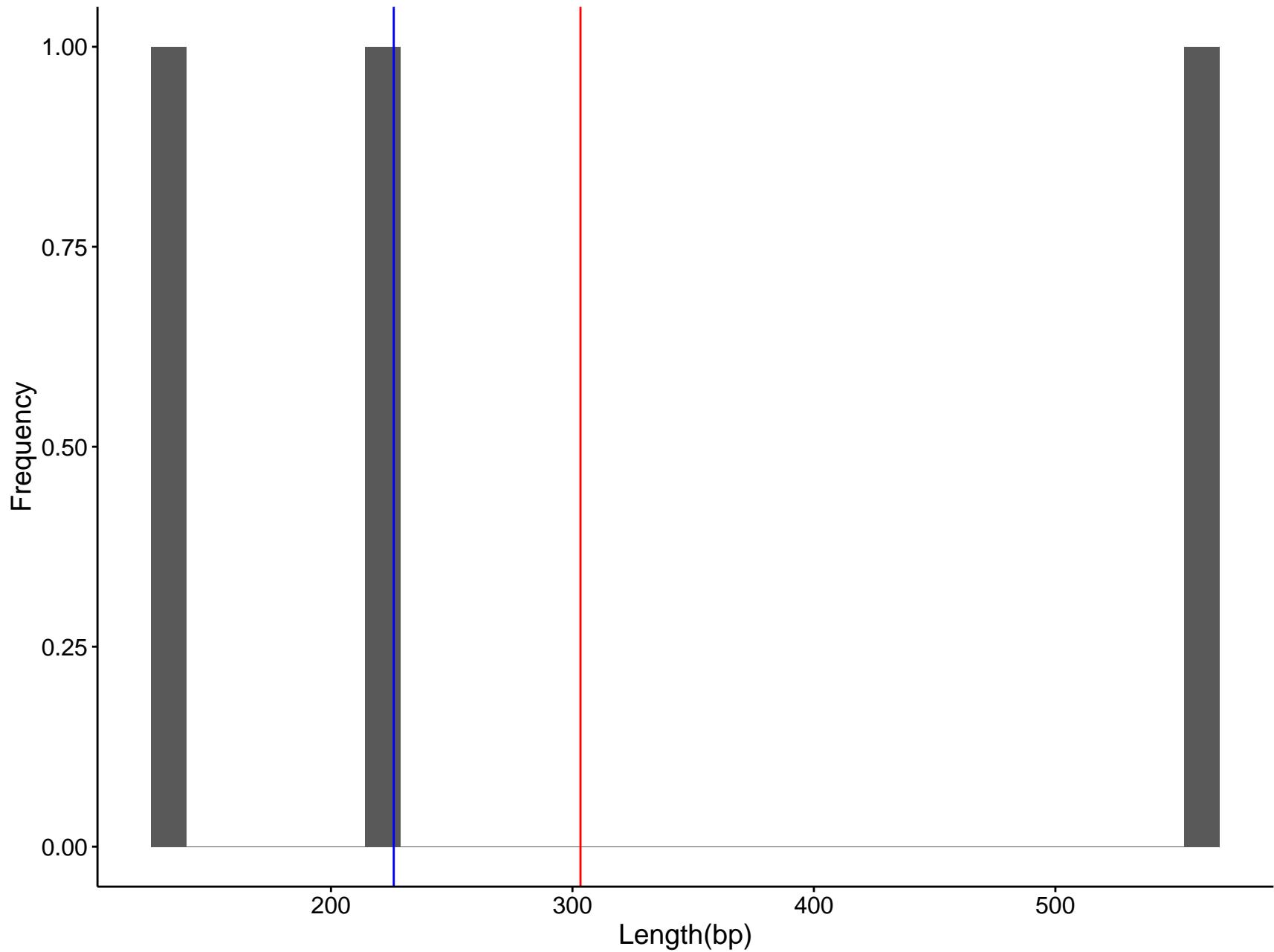
359.000

359.025

Length(bp)



Cluster2431



Cluster2432

Frequency

291.950

291.975

292.000

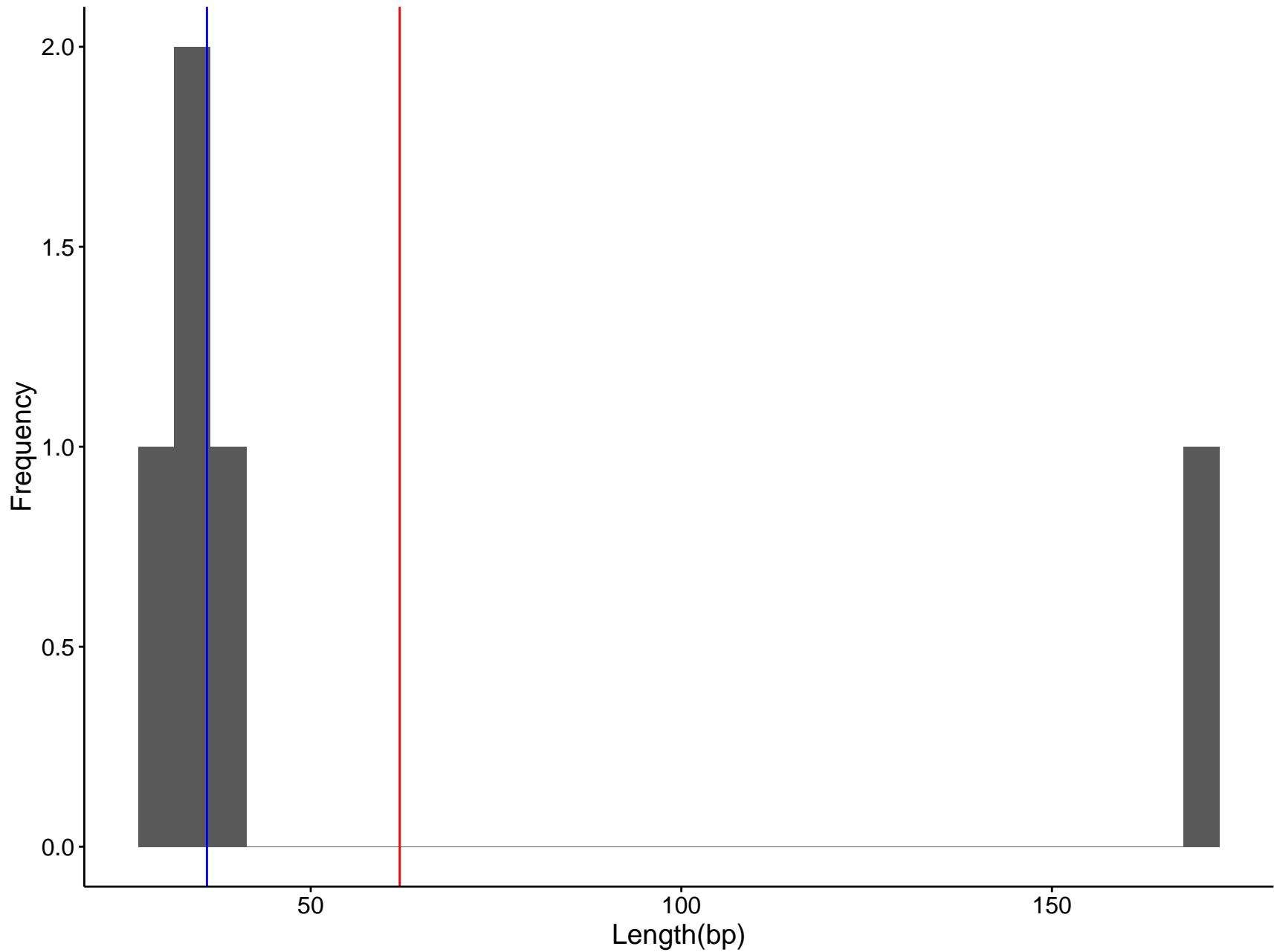
292.025

292.050

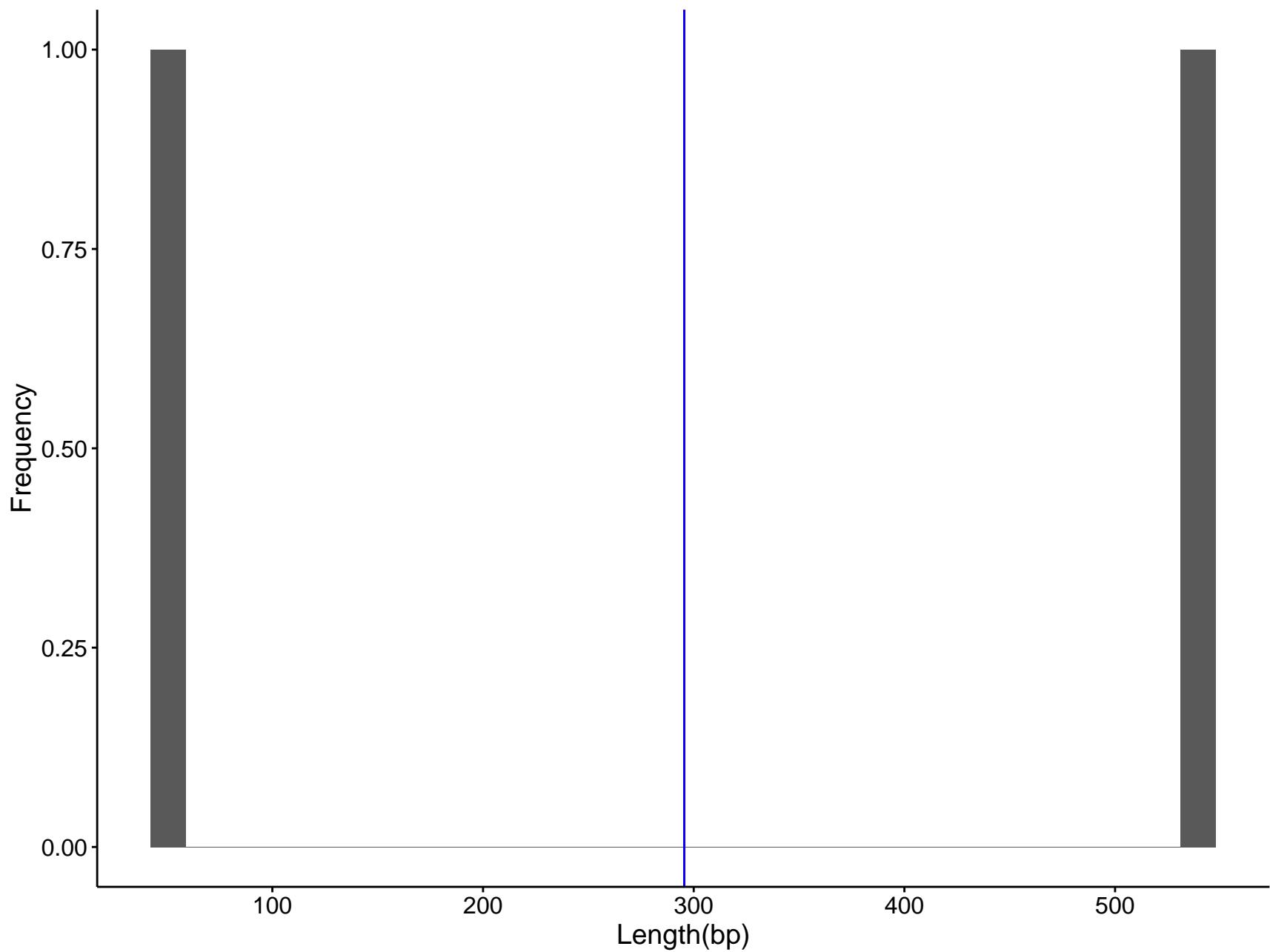
Length(bp)



Cluster2433



Cluster2434



Cluster2435

Frequency

159.950

159.975

160.000

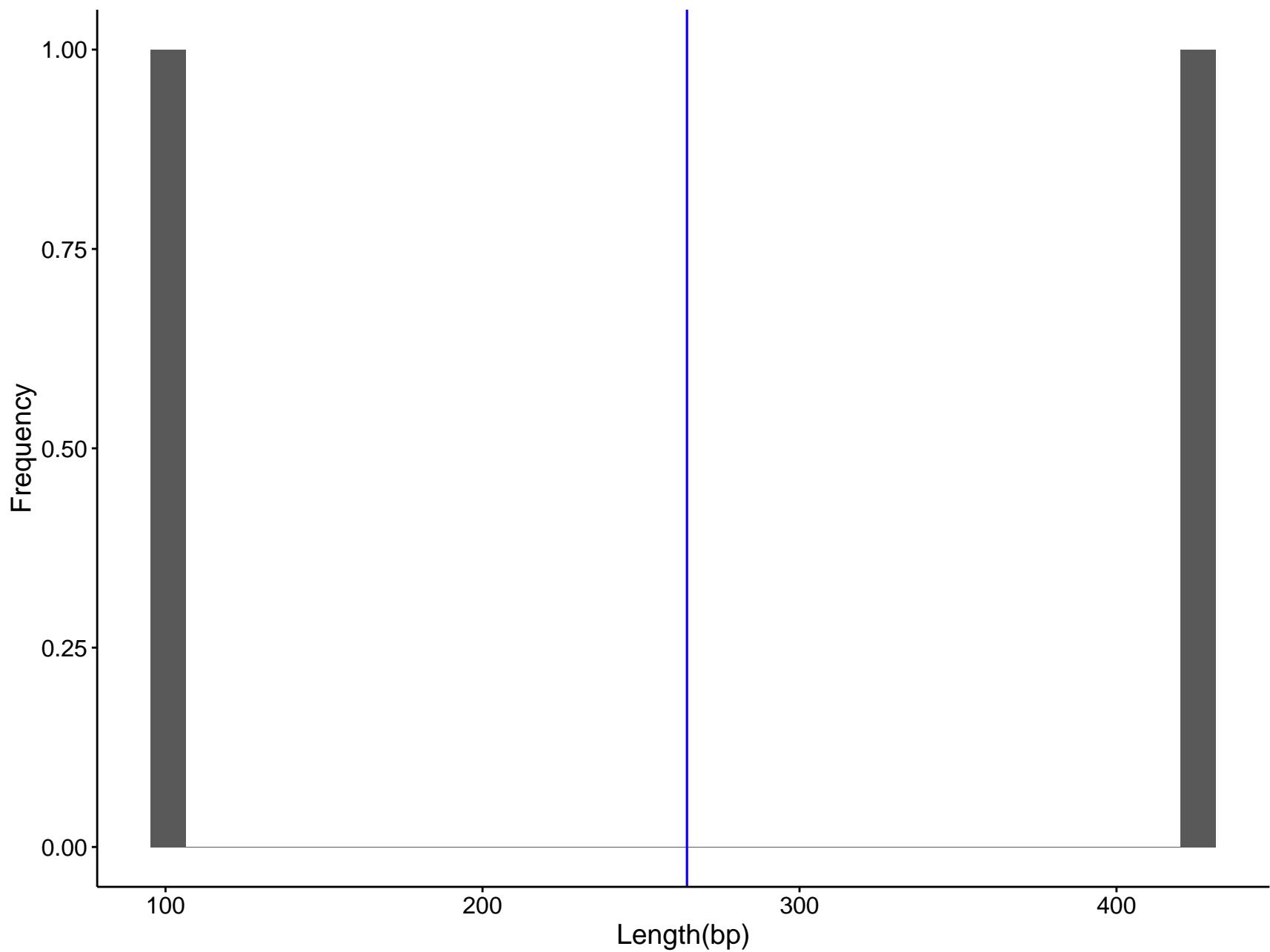
160.025

160.0

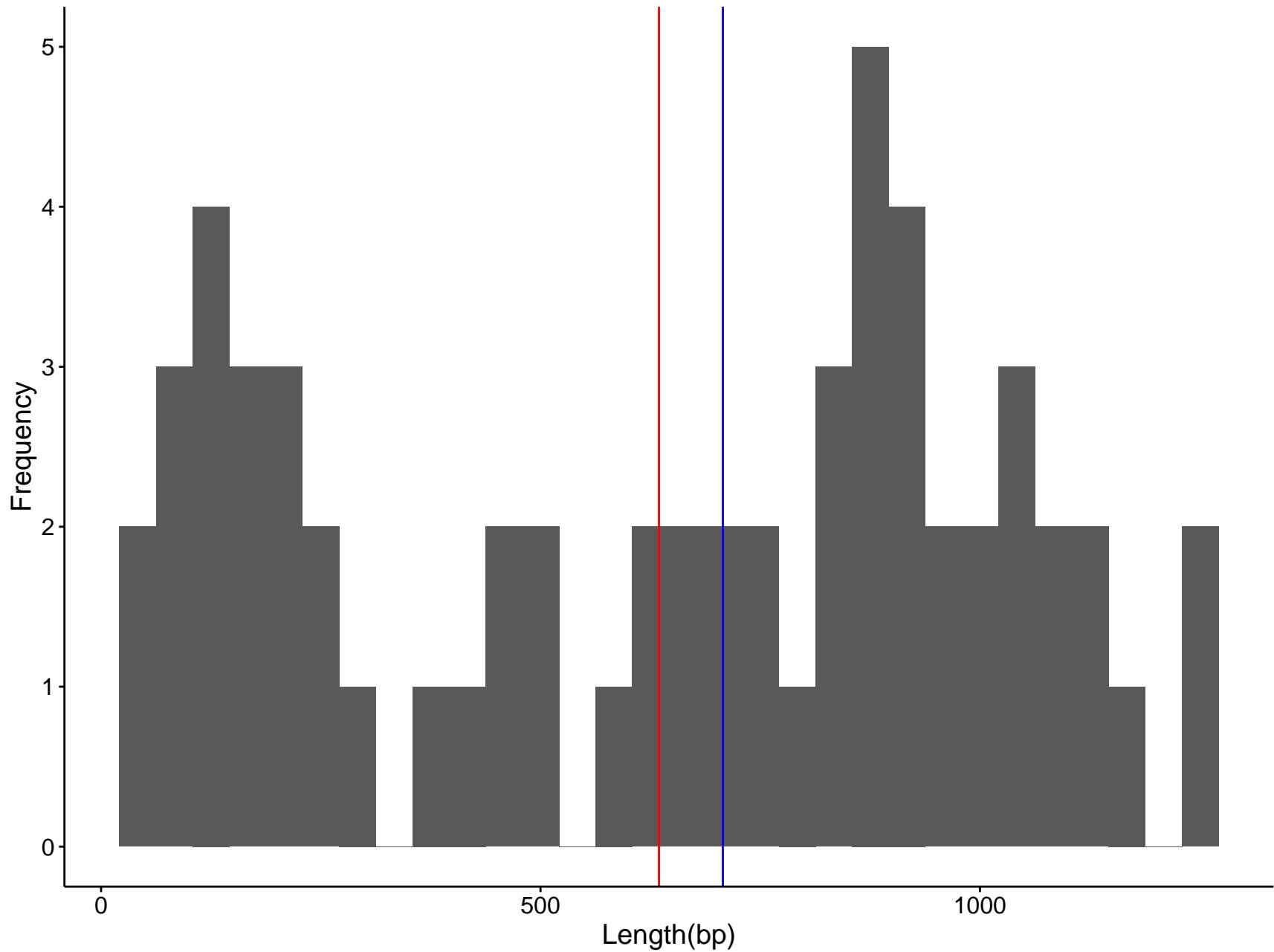
Length(bp)



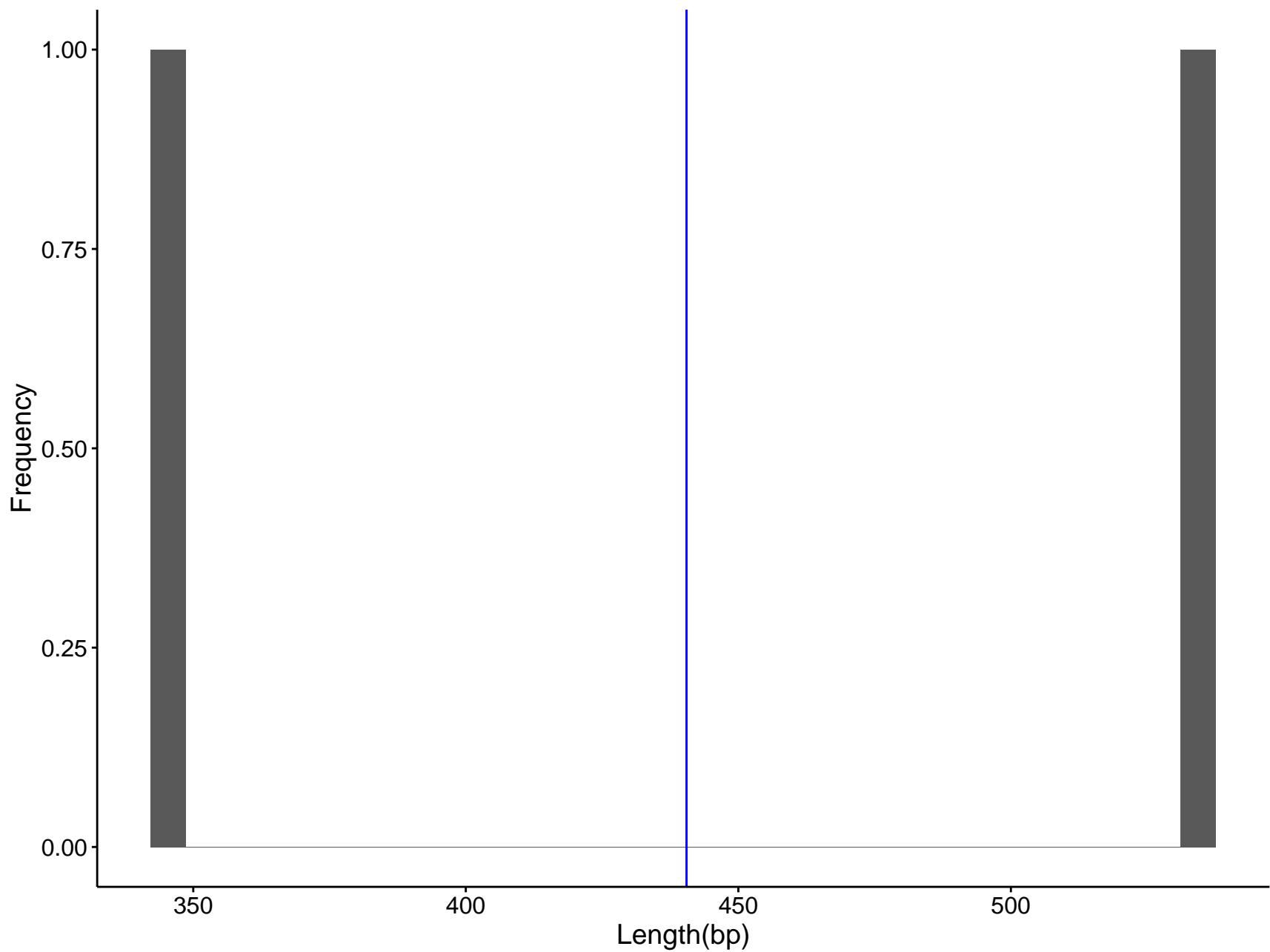
Cluster2436



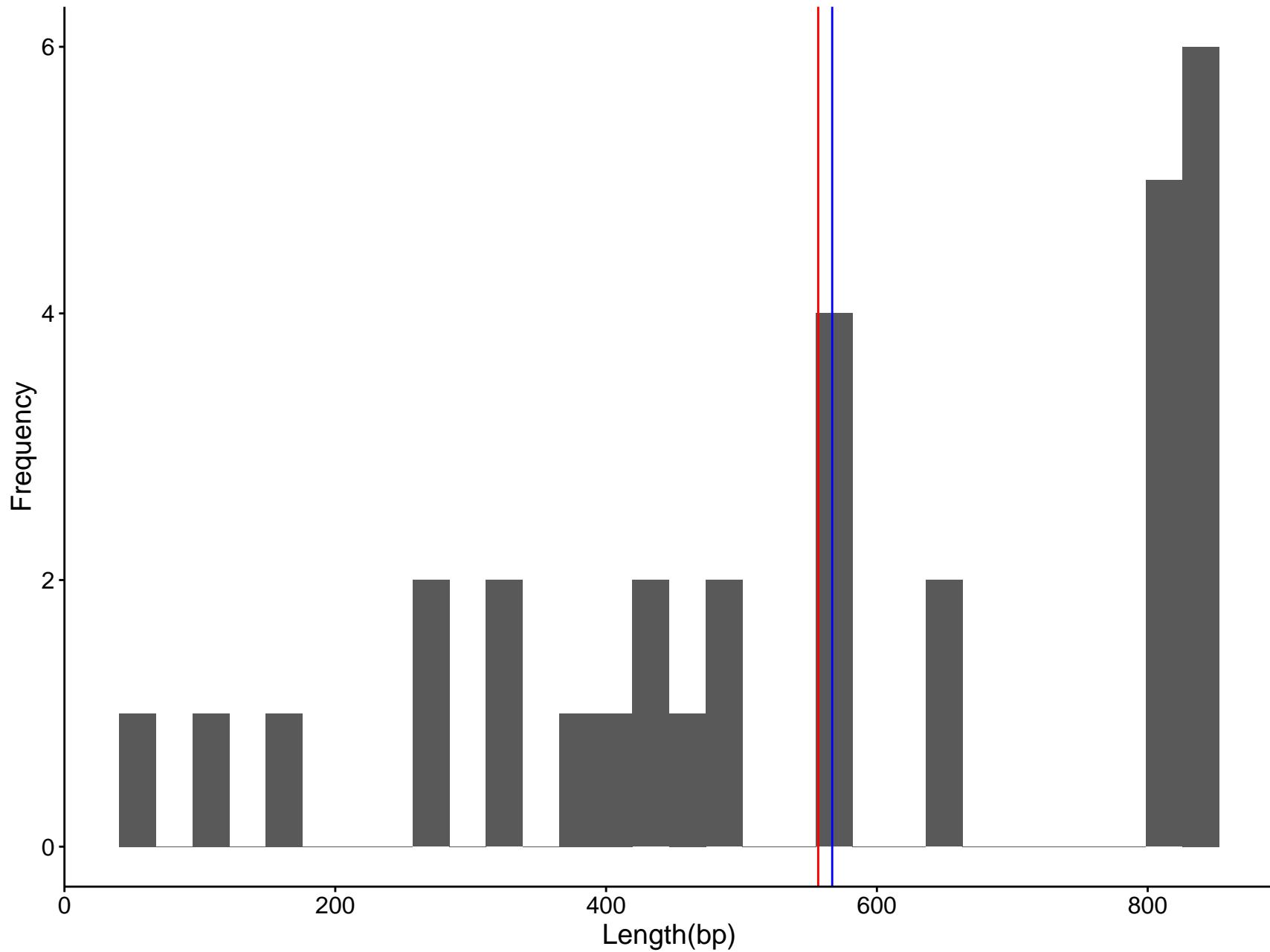
Cluster2438



Cluster2439



Cluster243



# Cluster2441

Frequency

115.950

115.975

116.000

116.025

116.050

Length(bp)



# Cluster2445

Frequency

61.950

61.975

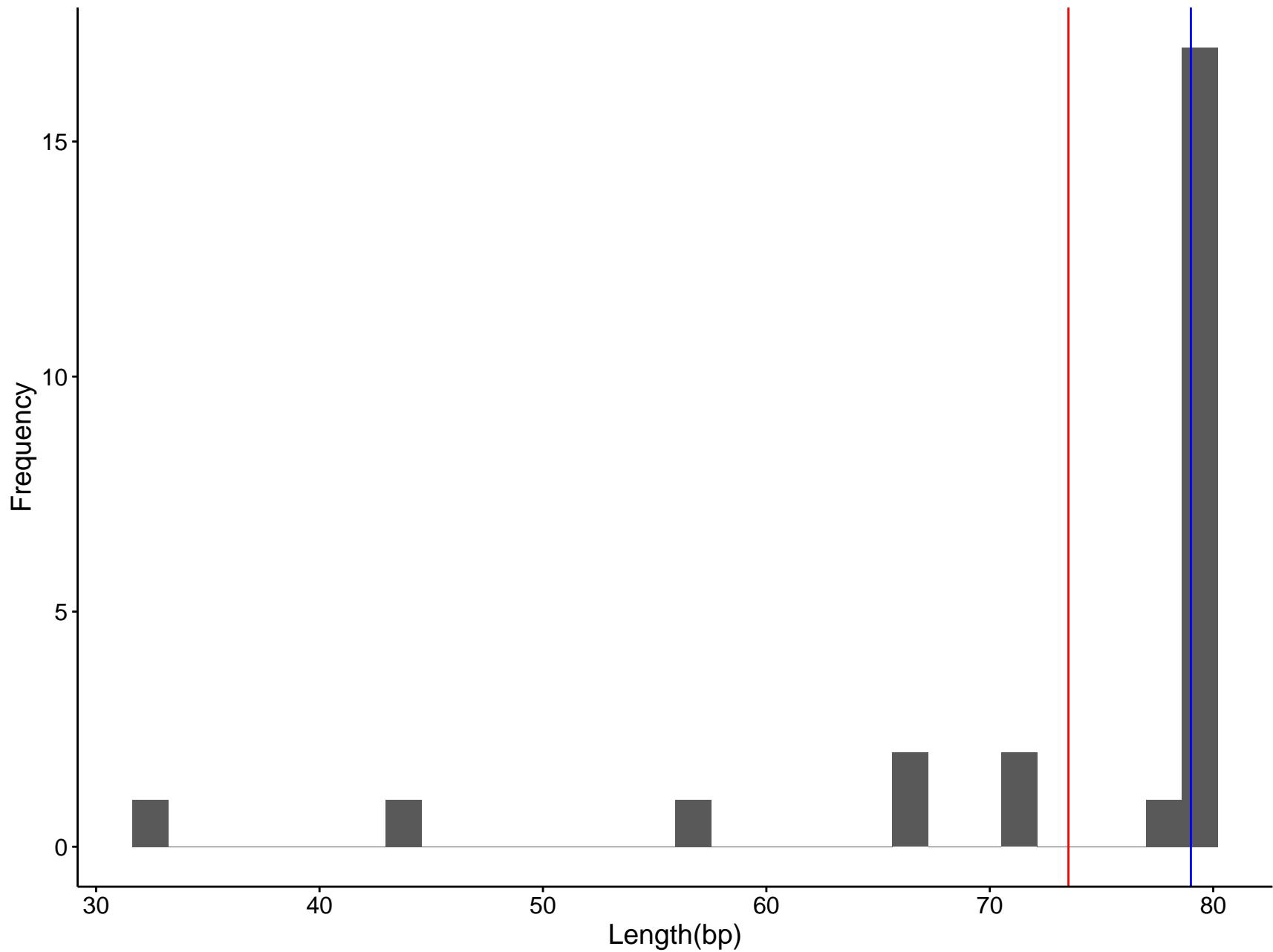
62.000

62.025

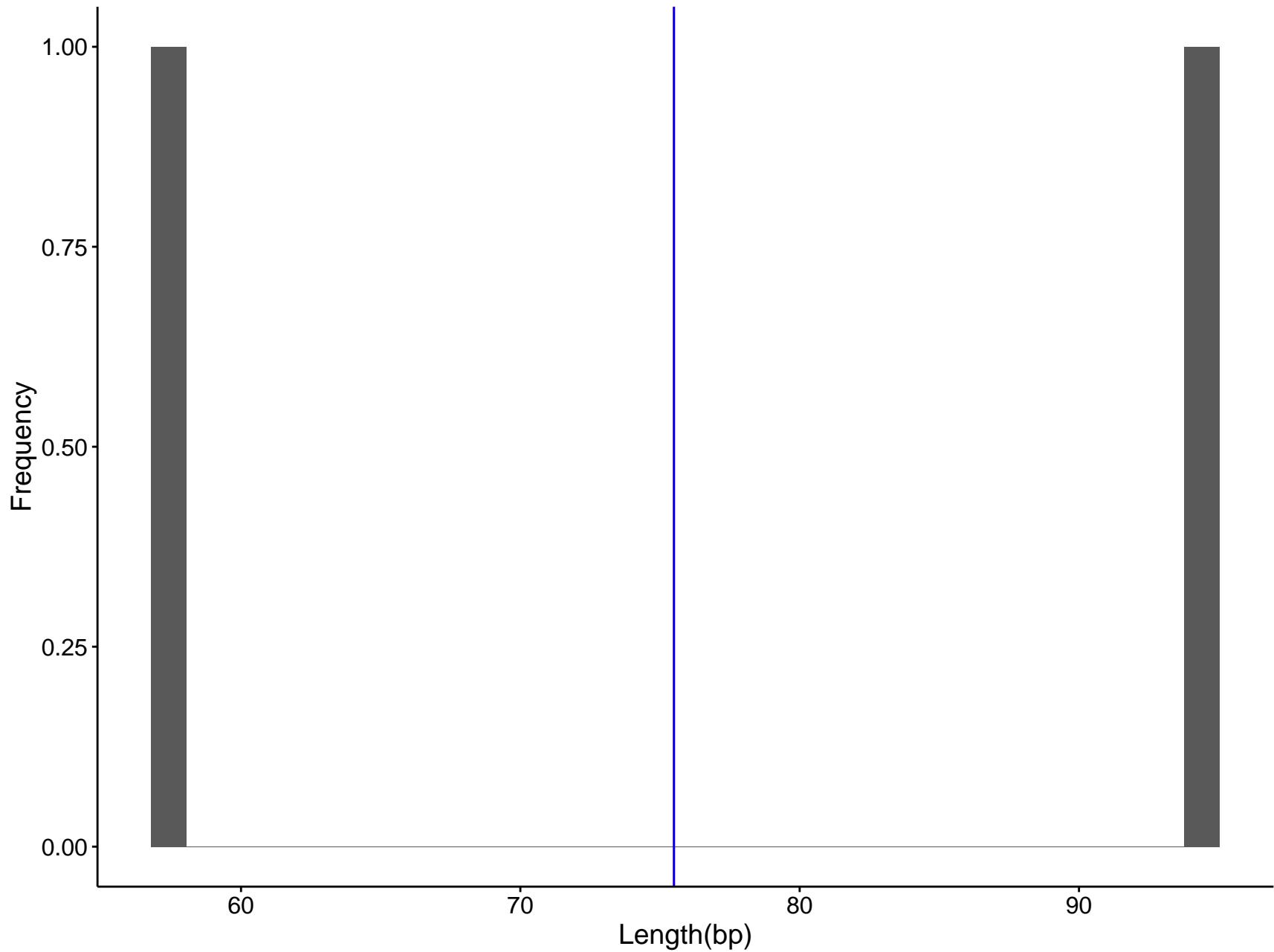
Length(bp)



Cluster2447



Cluster244



Cluster2451

Frequency

295.950

295.975

296.000

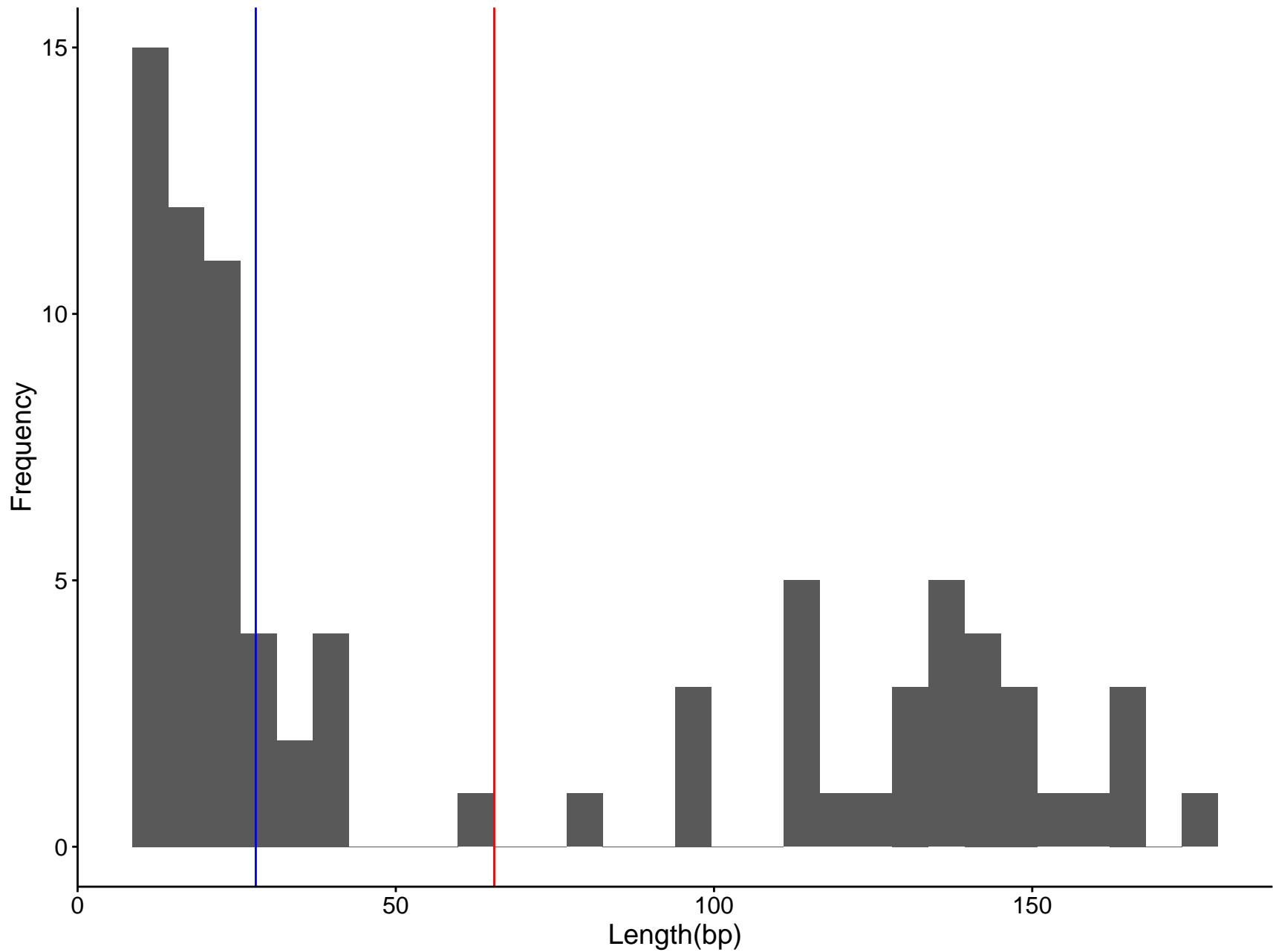
296.025

296.050

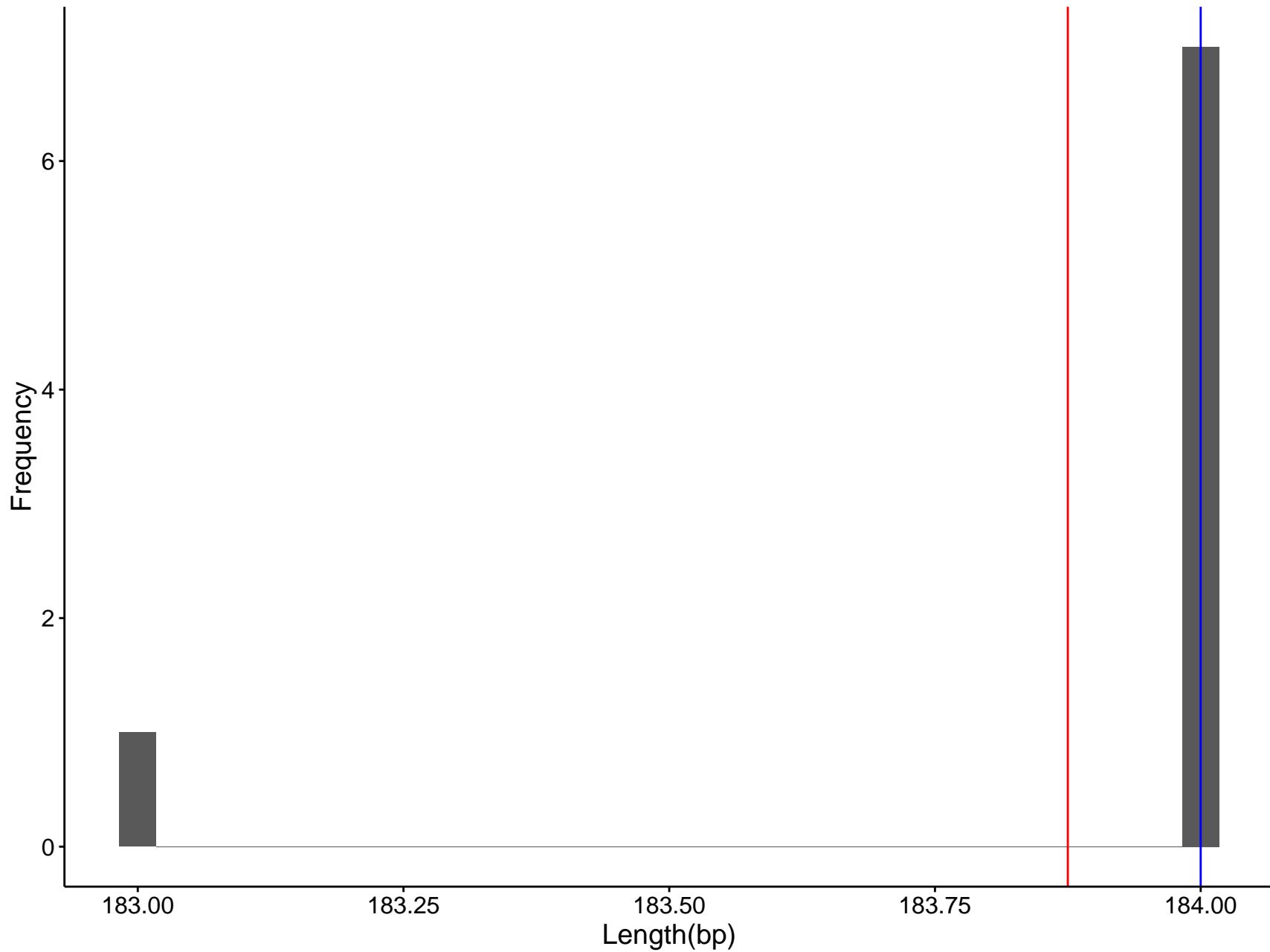
Length(bp)



Cluster2459



# Cluster245



Cluster2463

Frequency

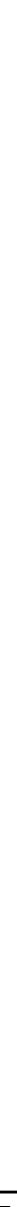
26.950

26.975

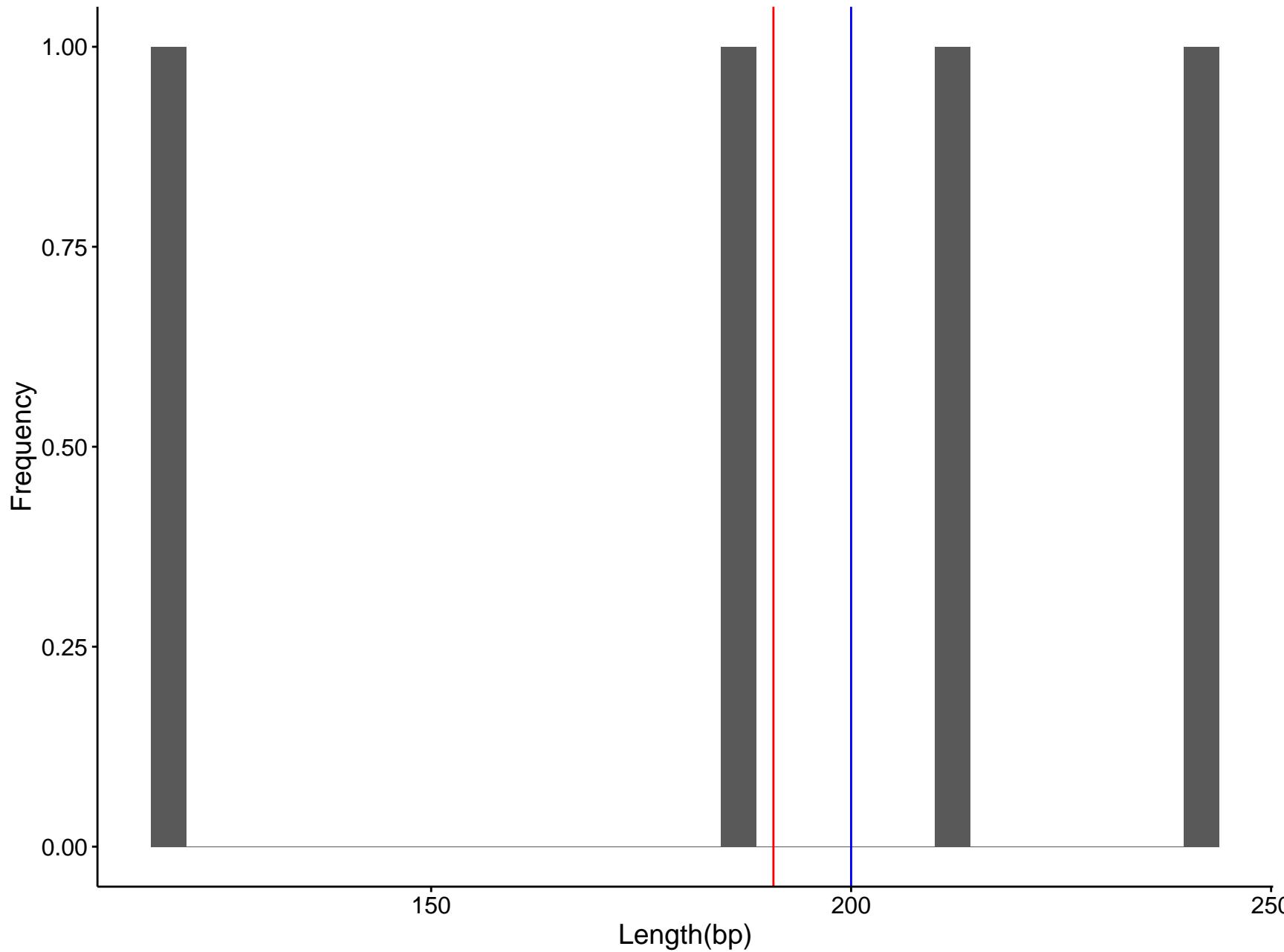
27.000

27.025

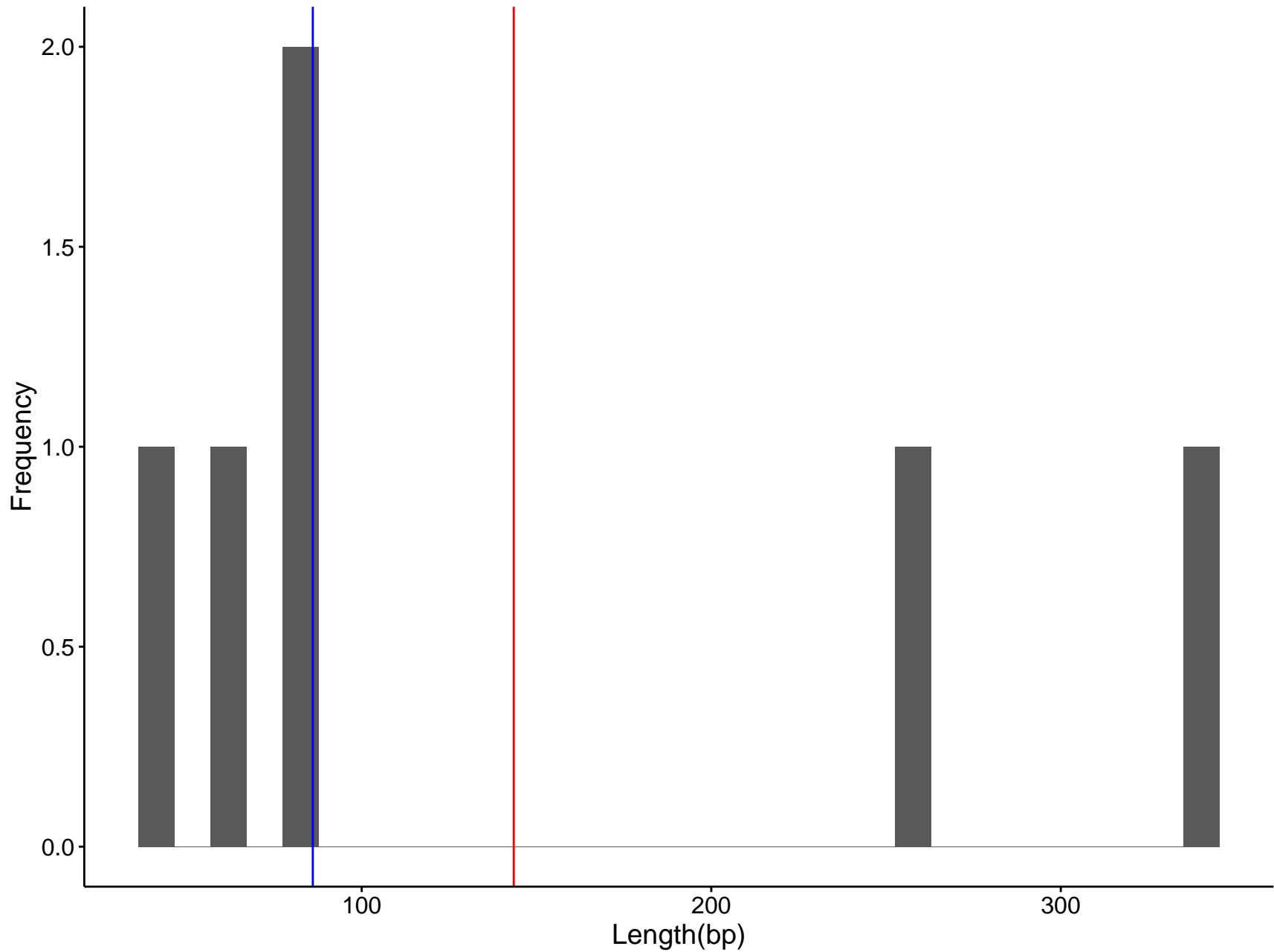
Length(bp)



# Cluster2464



Cluster2465



# Cluster246

Frequency

194.950

194.975

195.000

195.025

195.050

Length(bp)



Cluster2470

Frequency

50.950

50.975

51.000

51.025

Length(bp)



# Cluster2472

Frequency

101.950

101.975

102.000

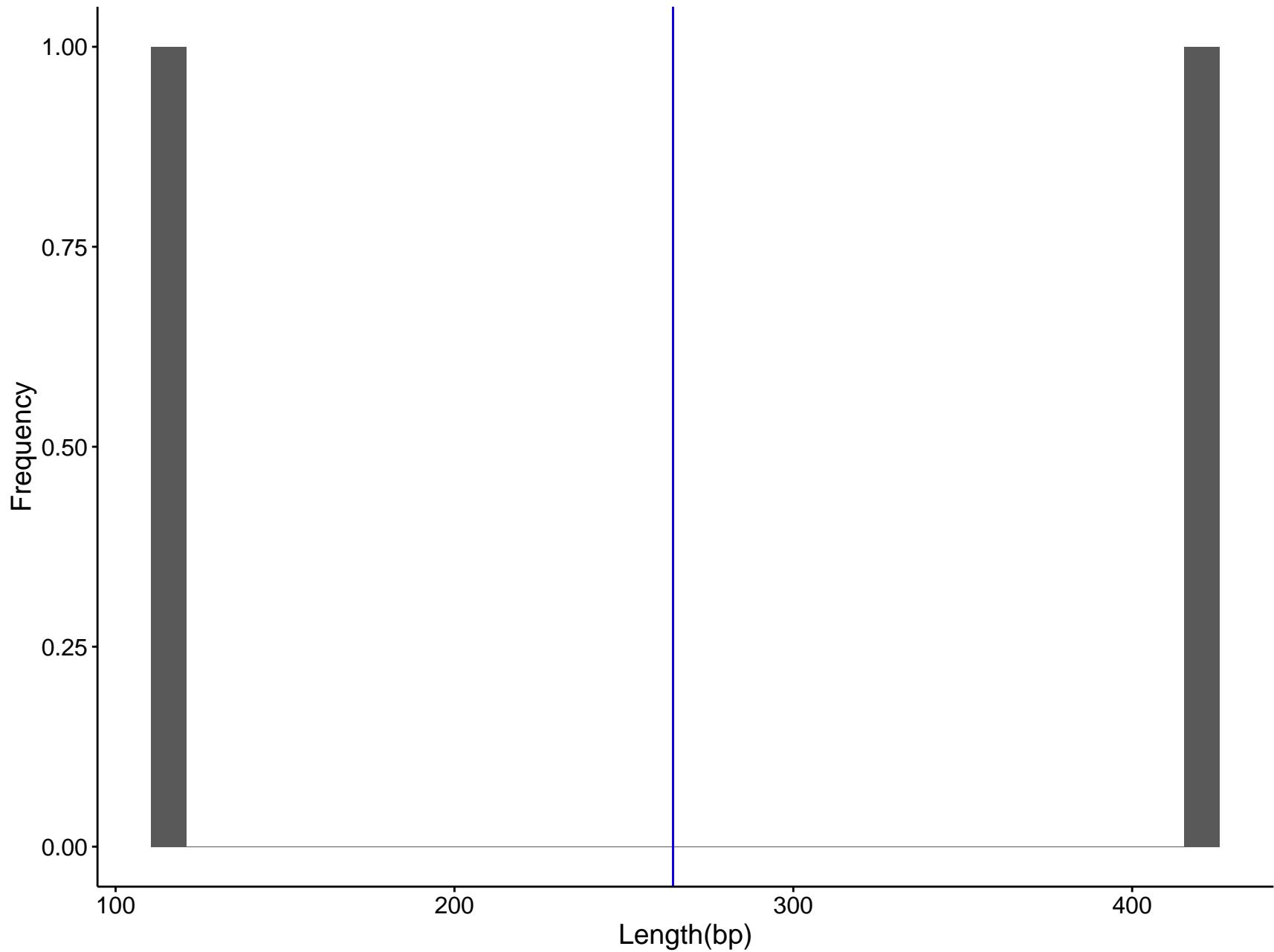
102.025

102.050

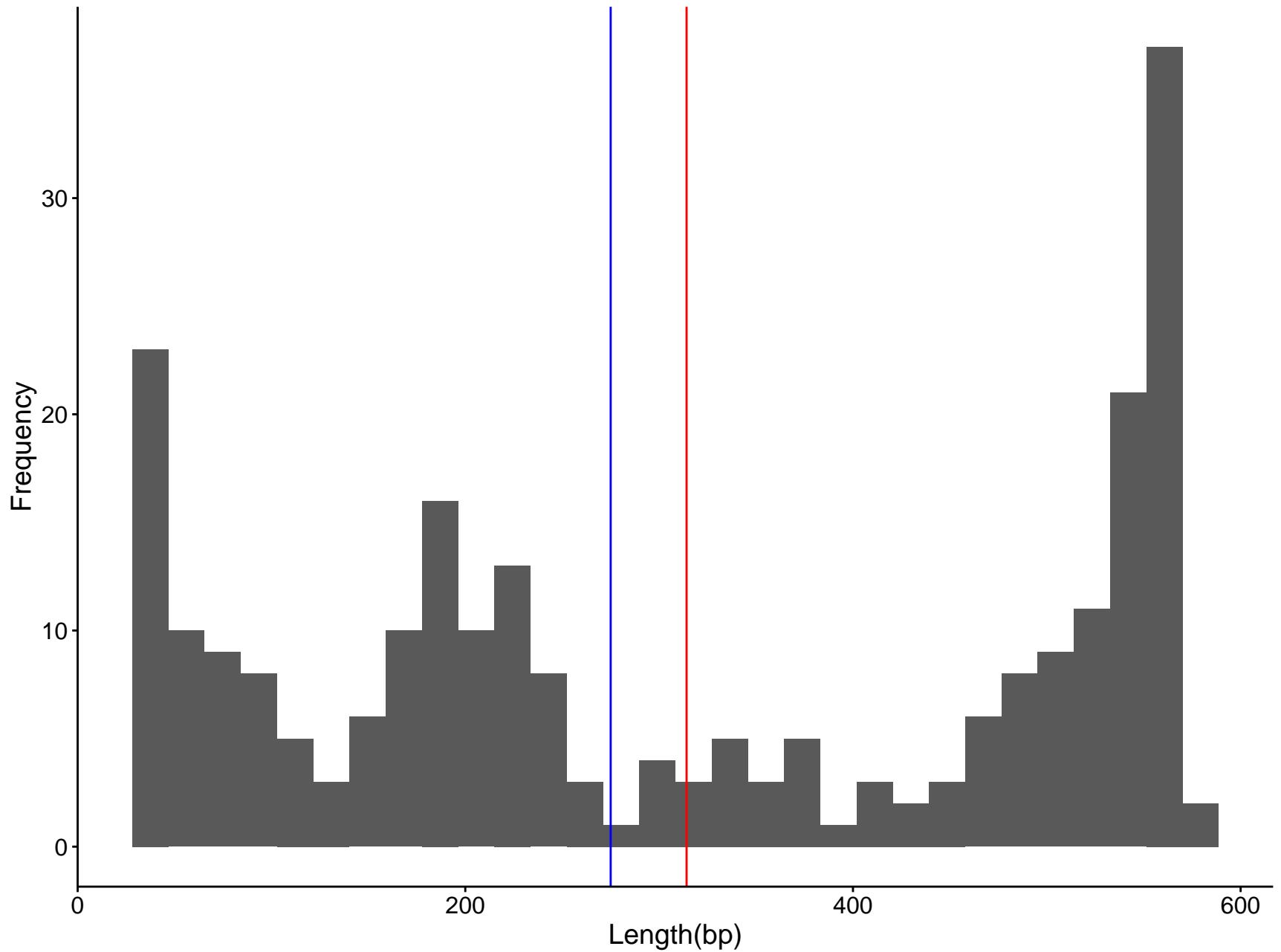
Length(bp)



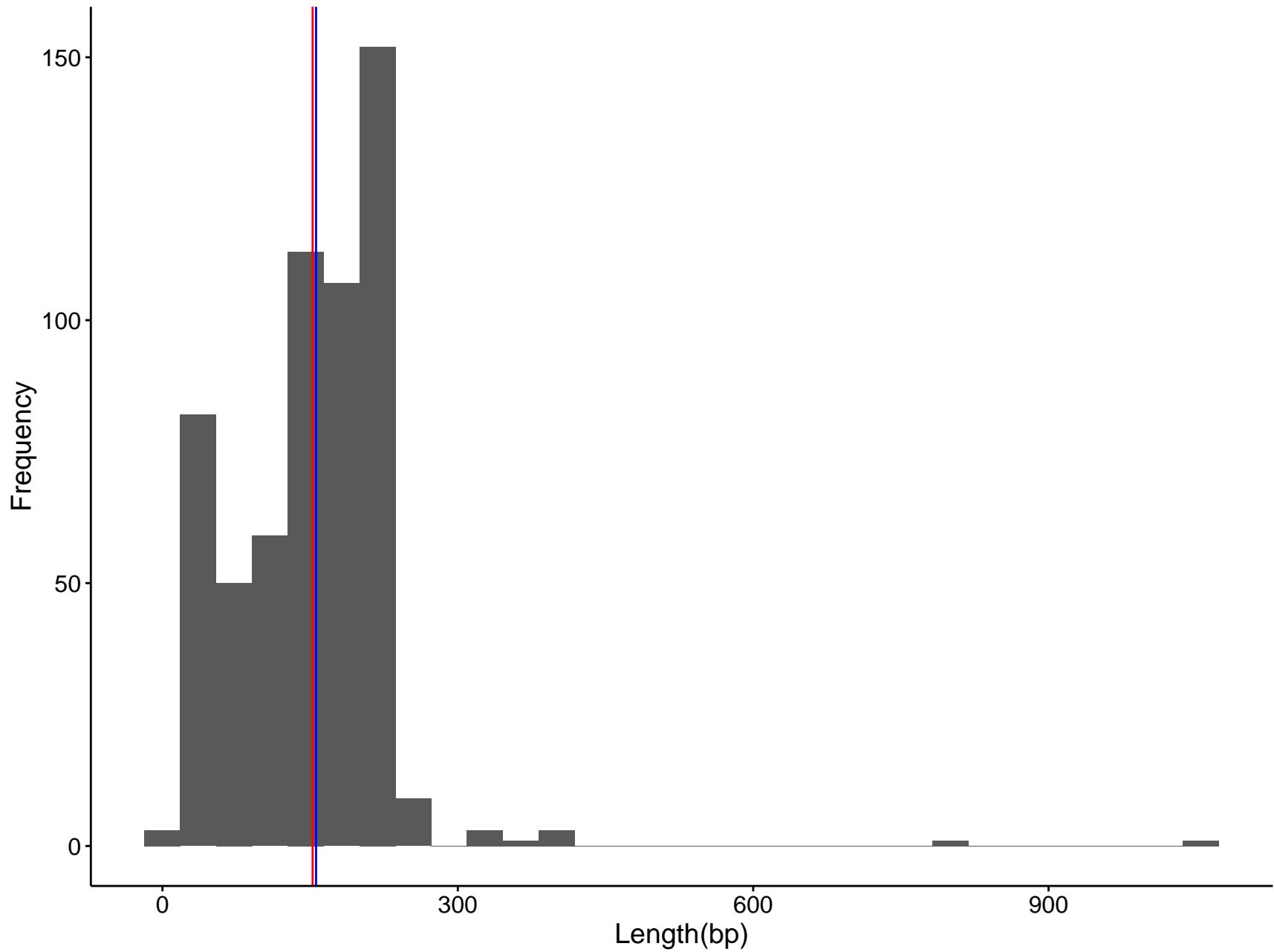
Cluster2473



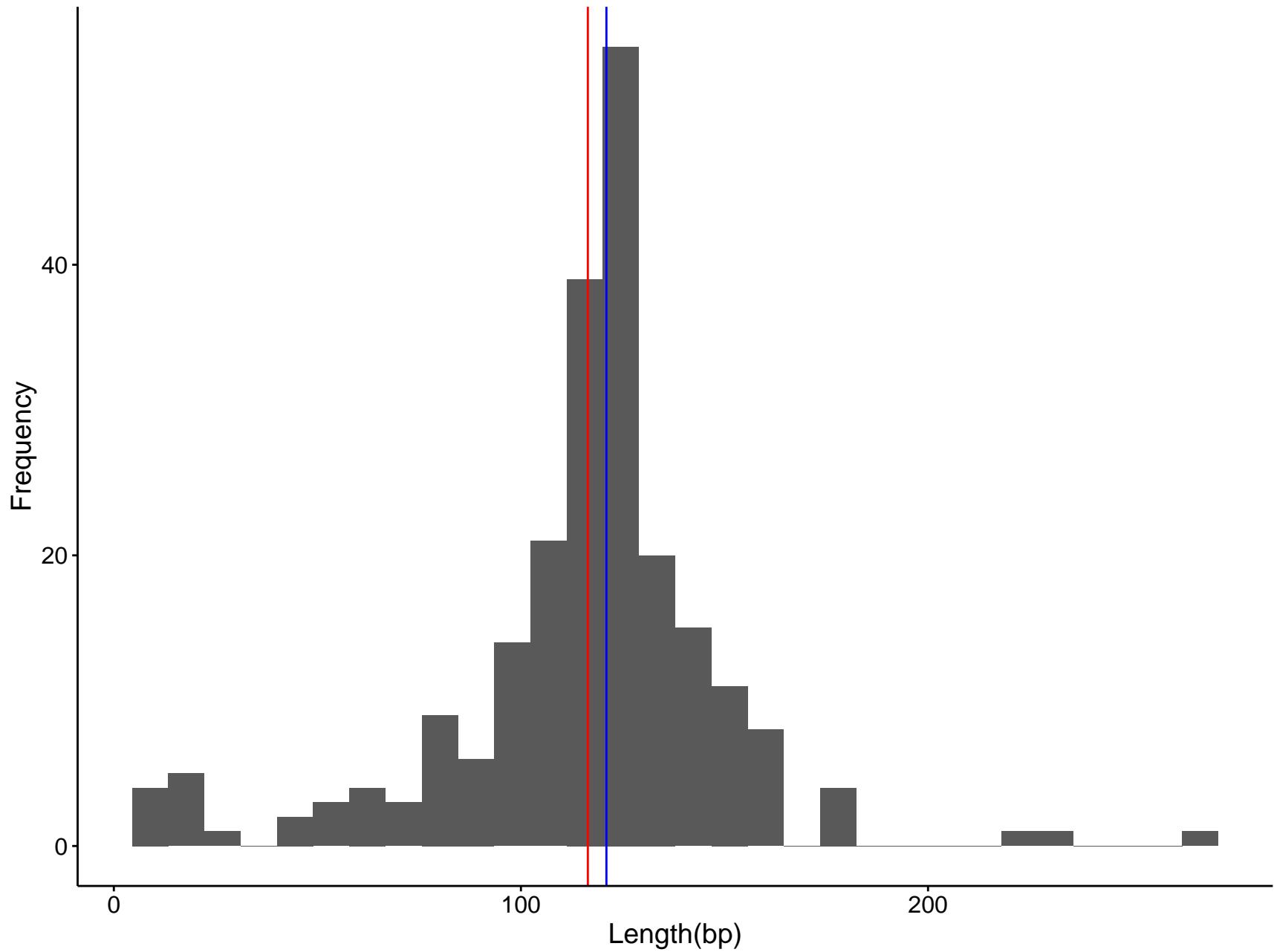
Cluster2476



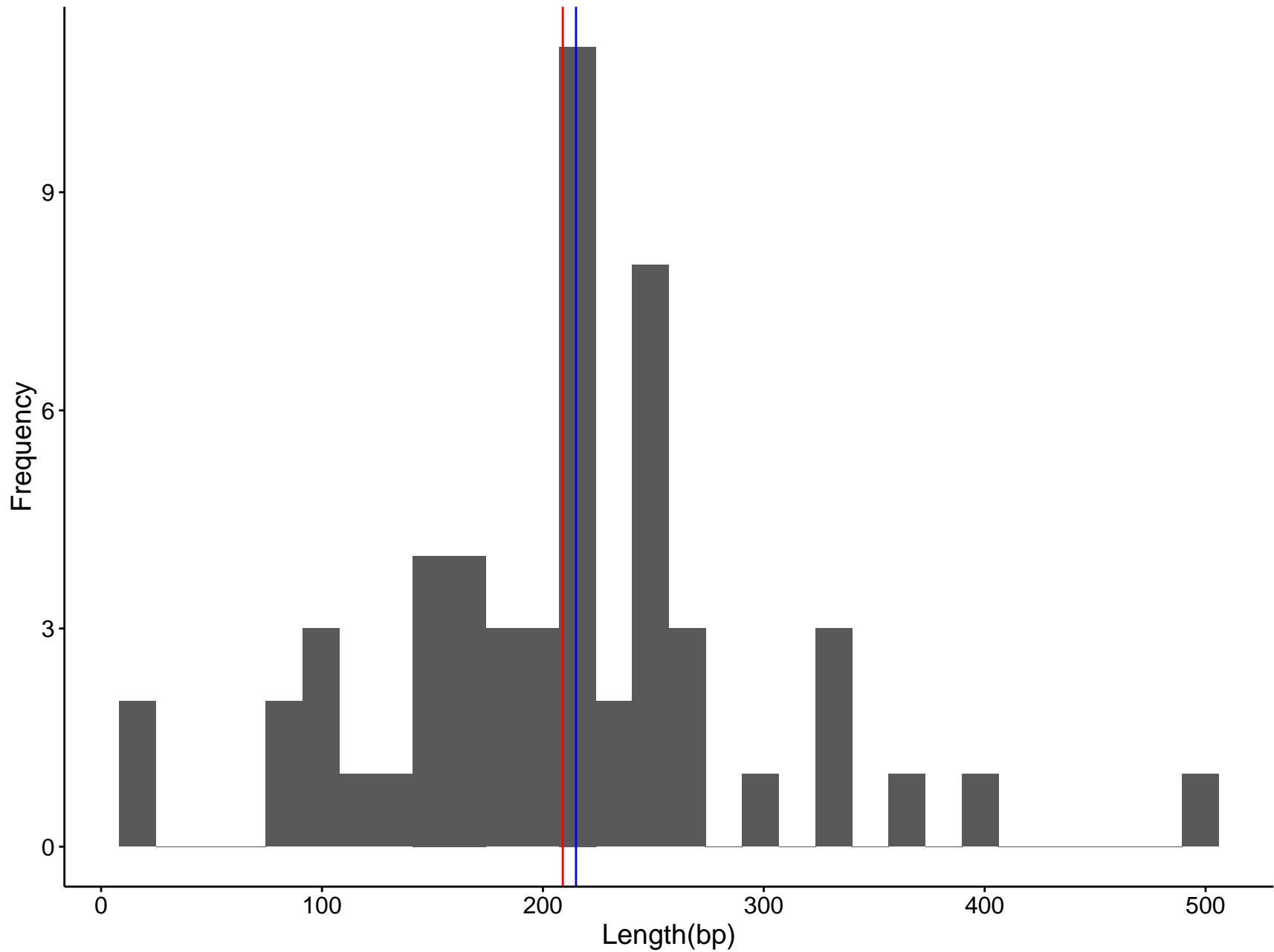
Cluster2477



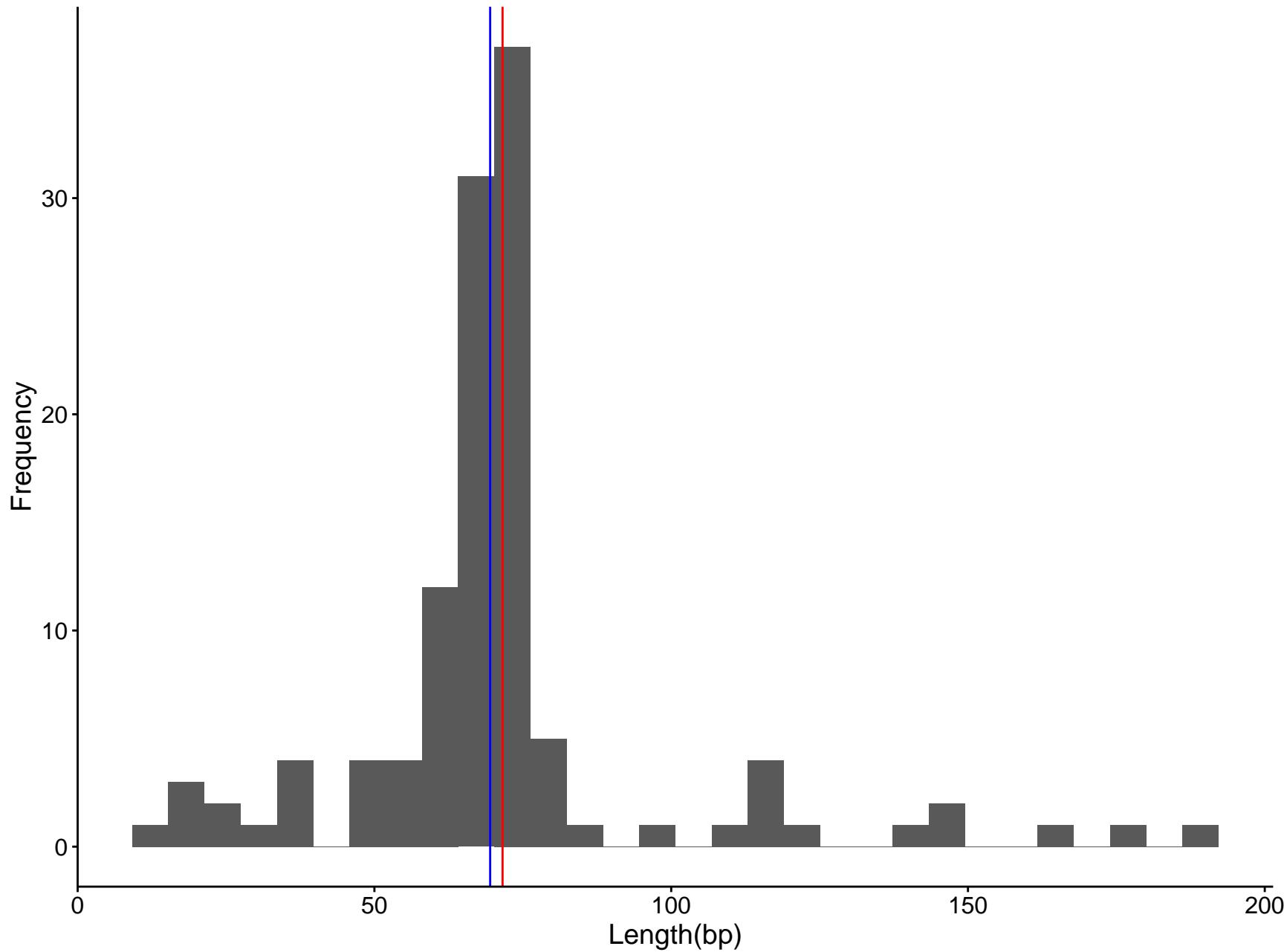
Cluster2478



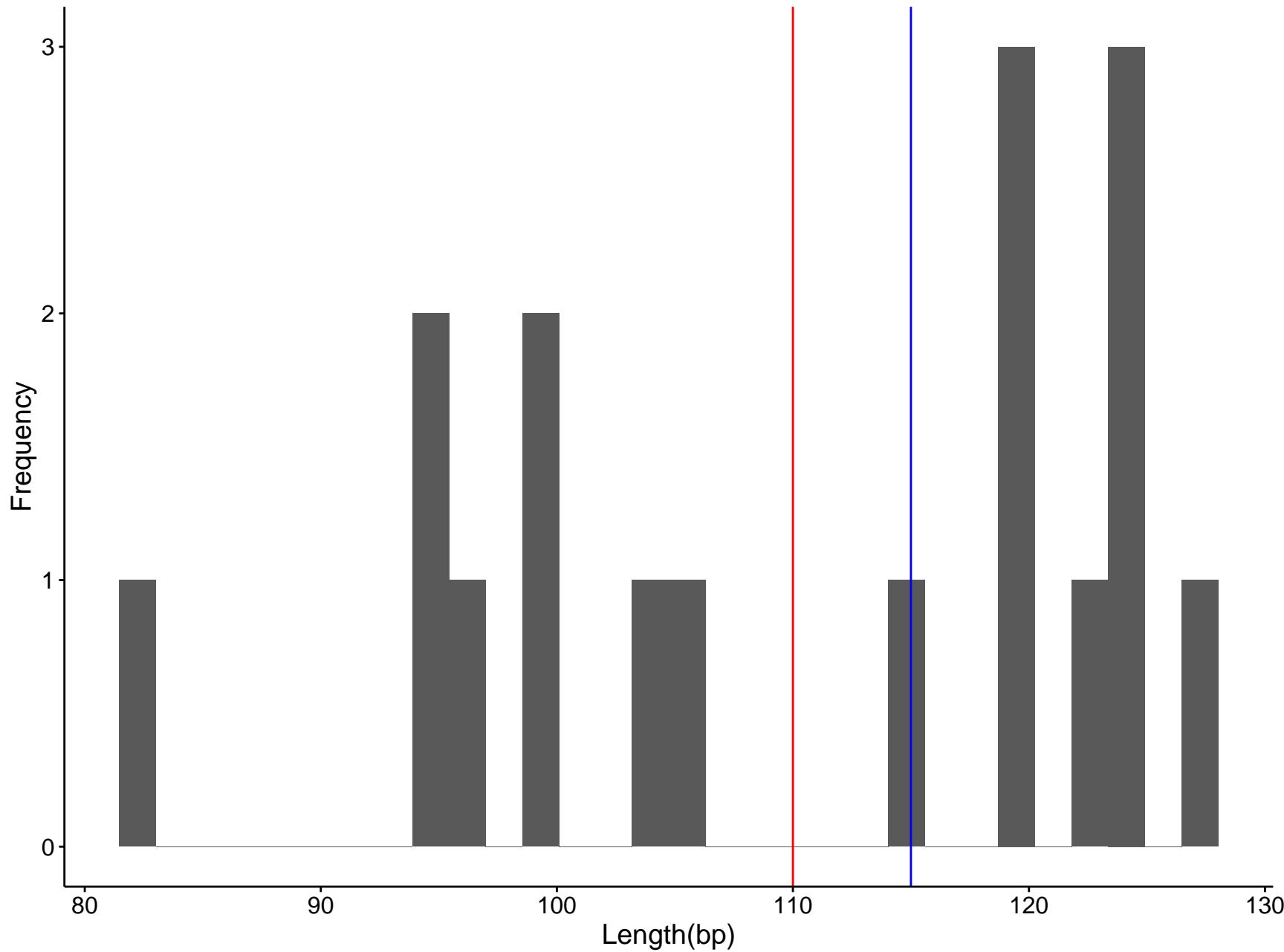
Cluster2480



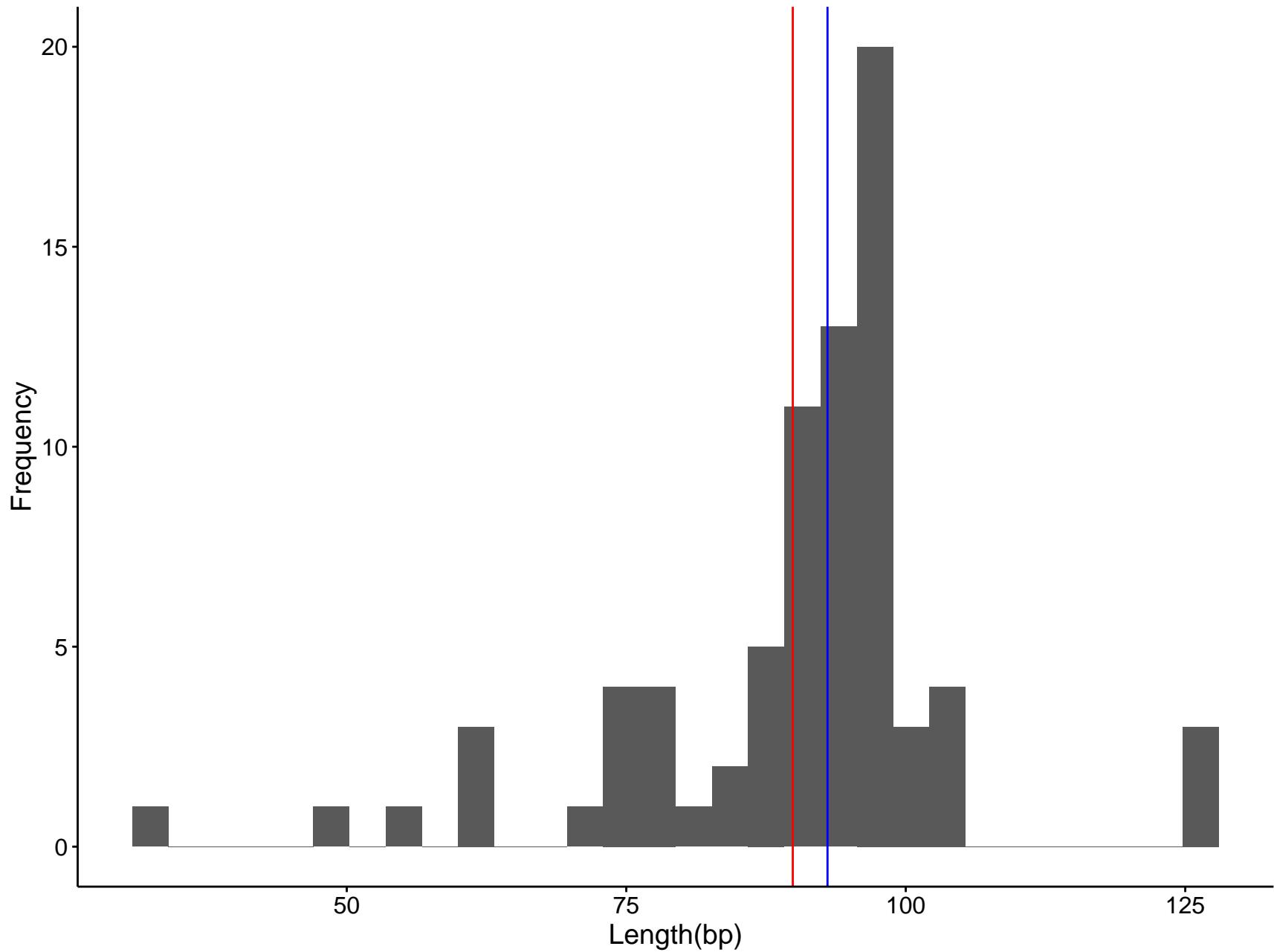
Cluster2481



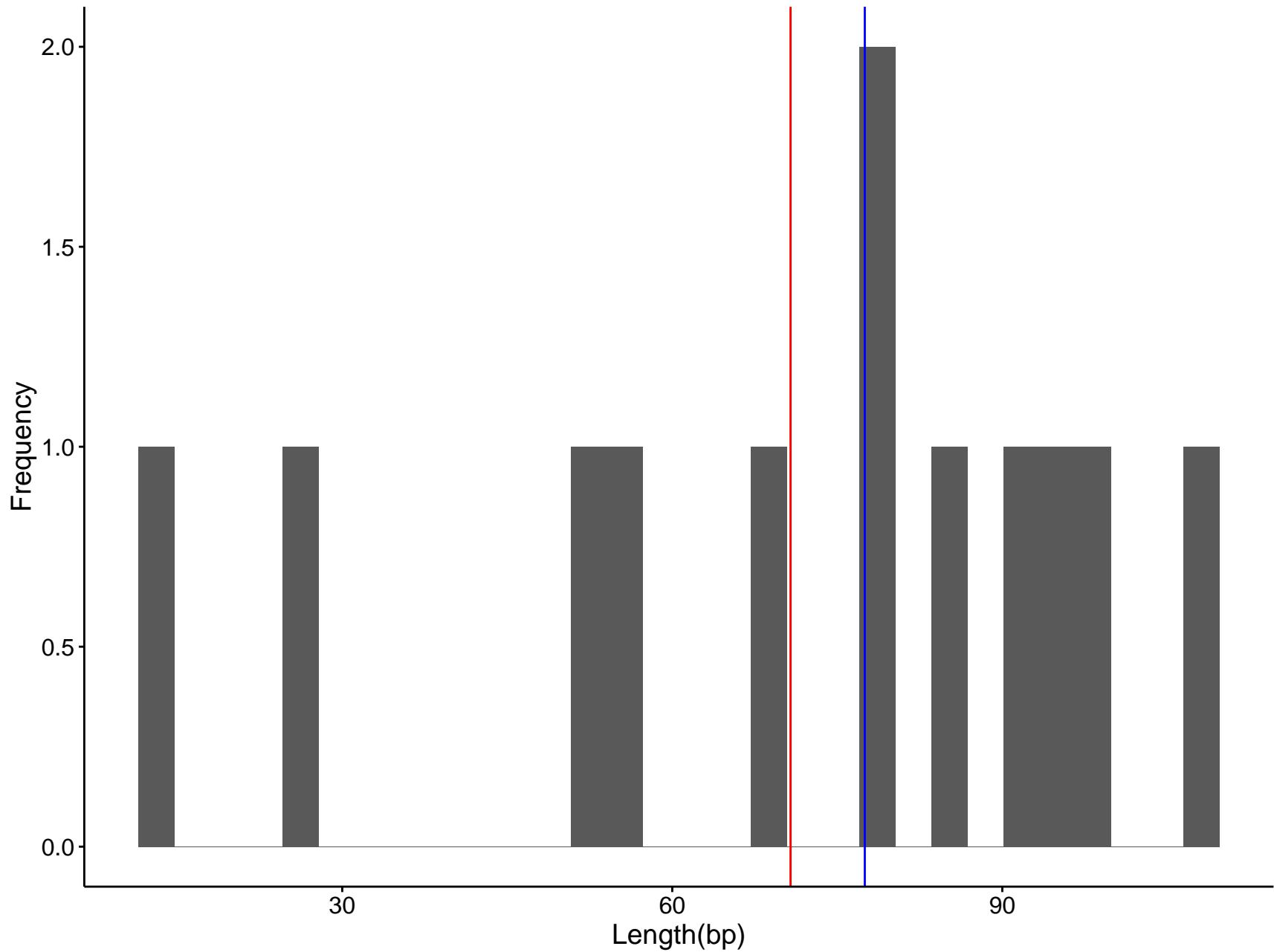
Cluster2484



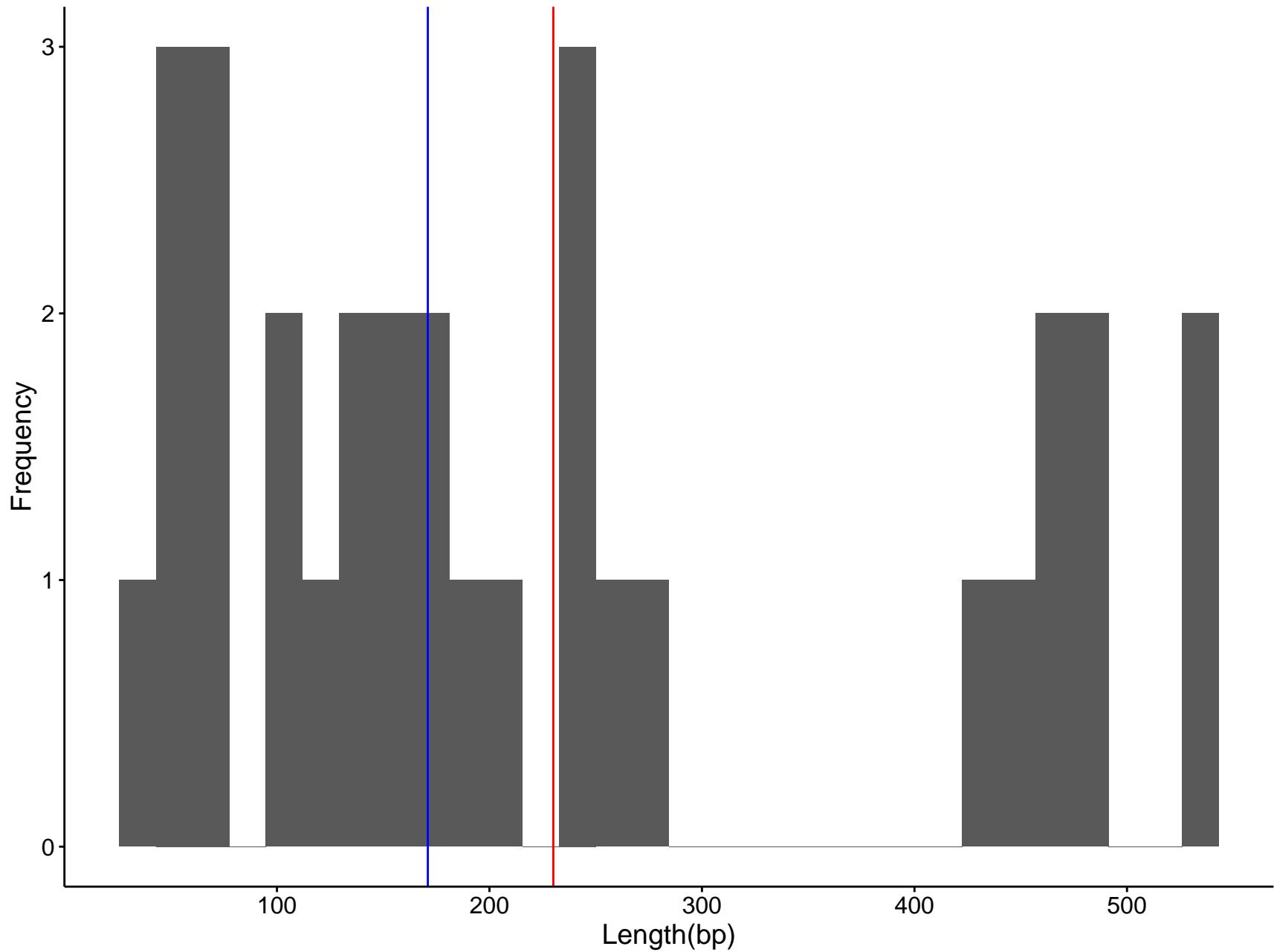
Cluster2485



Cluster2486



Cluster2487



Cluster2489

Frequency

41.950

41.975

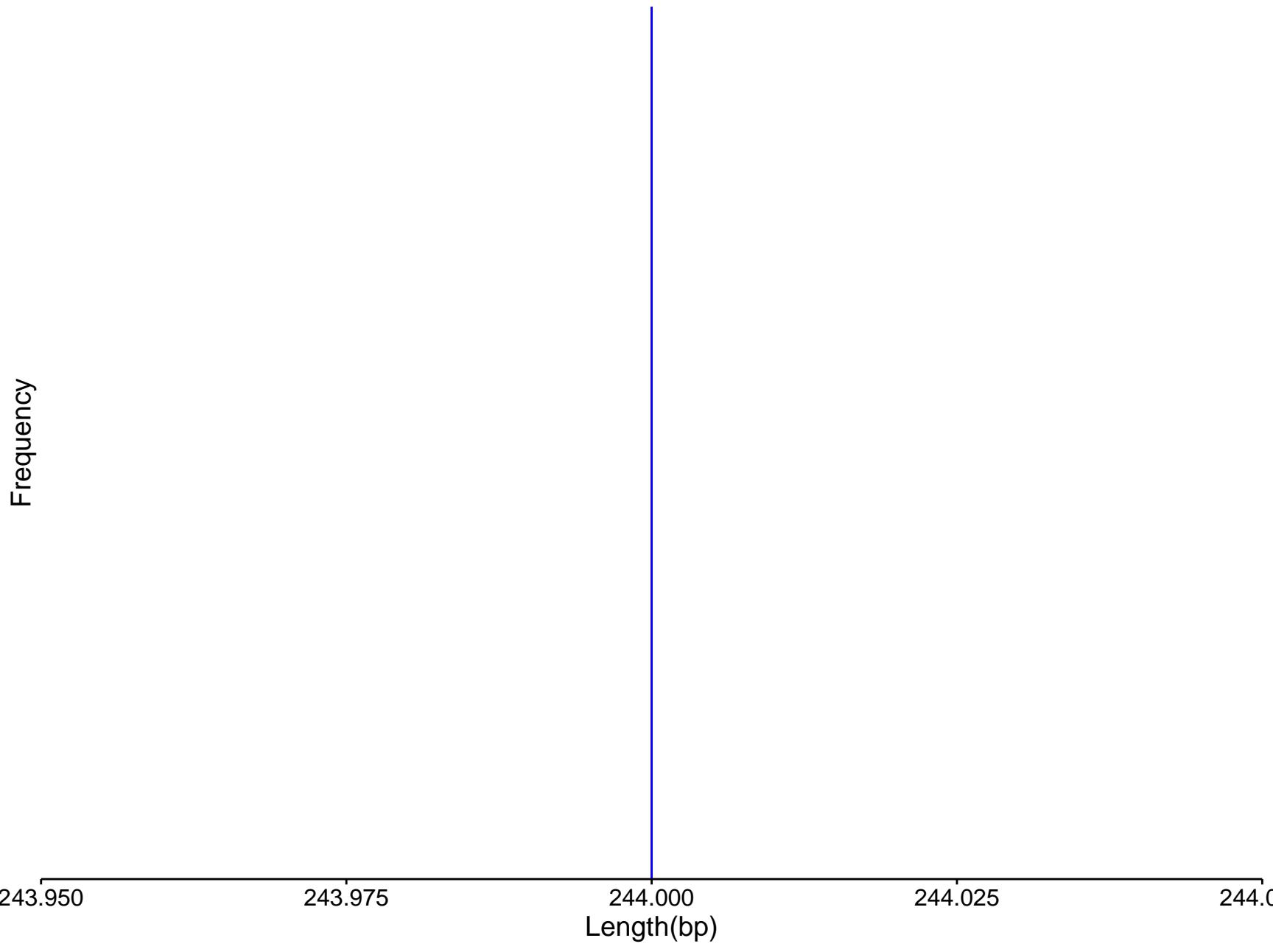
42.000

42.025

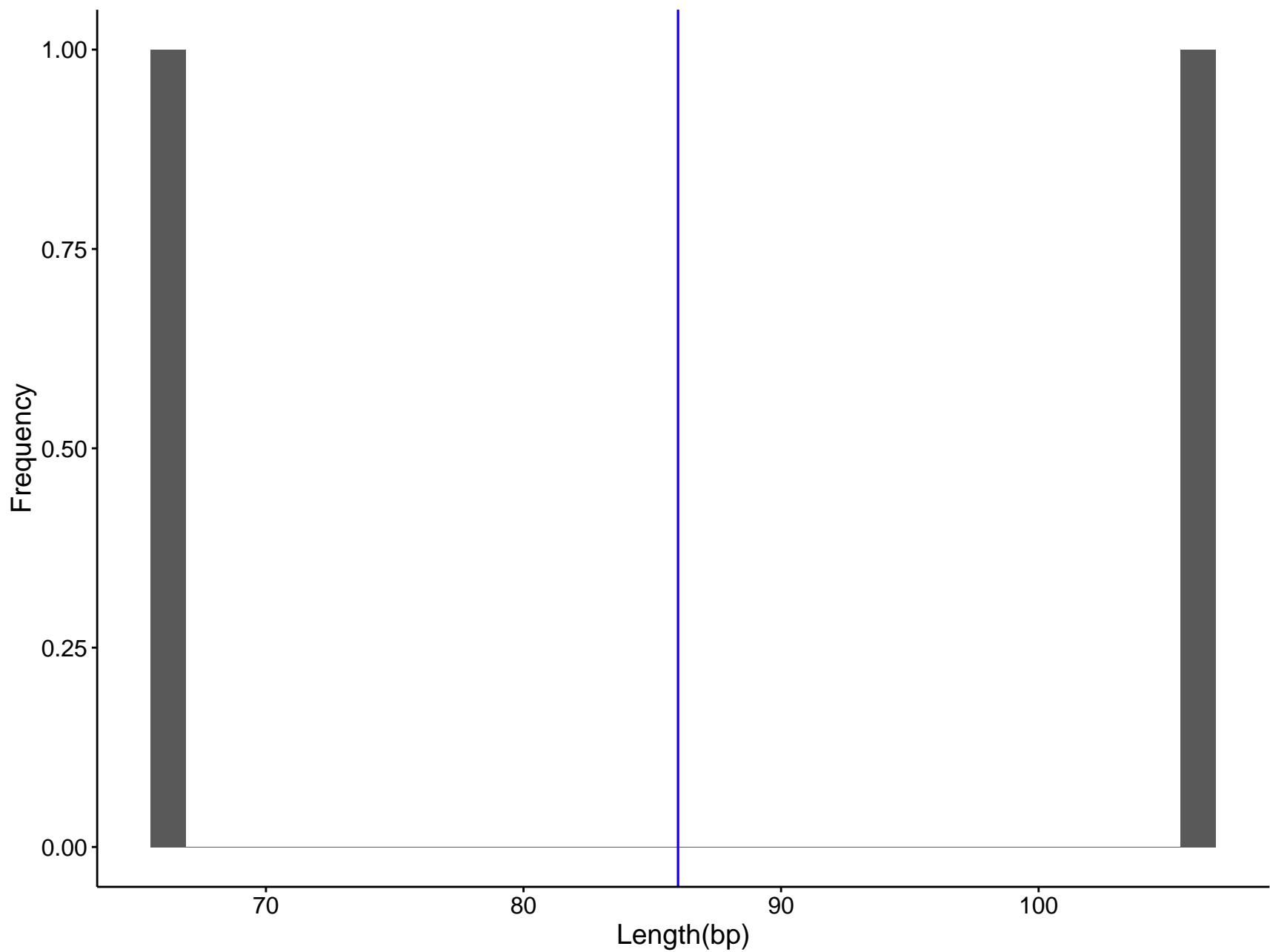
Length(bp)



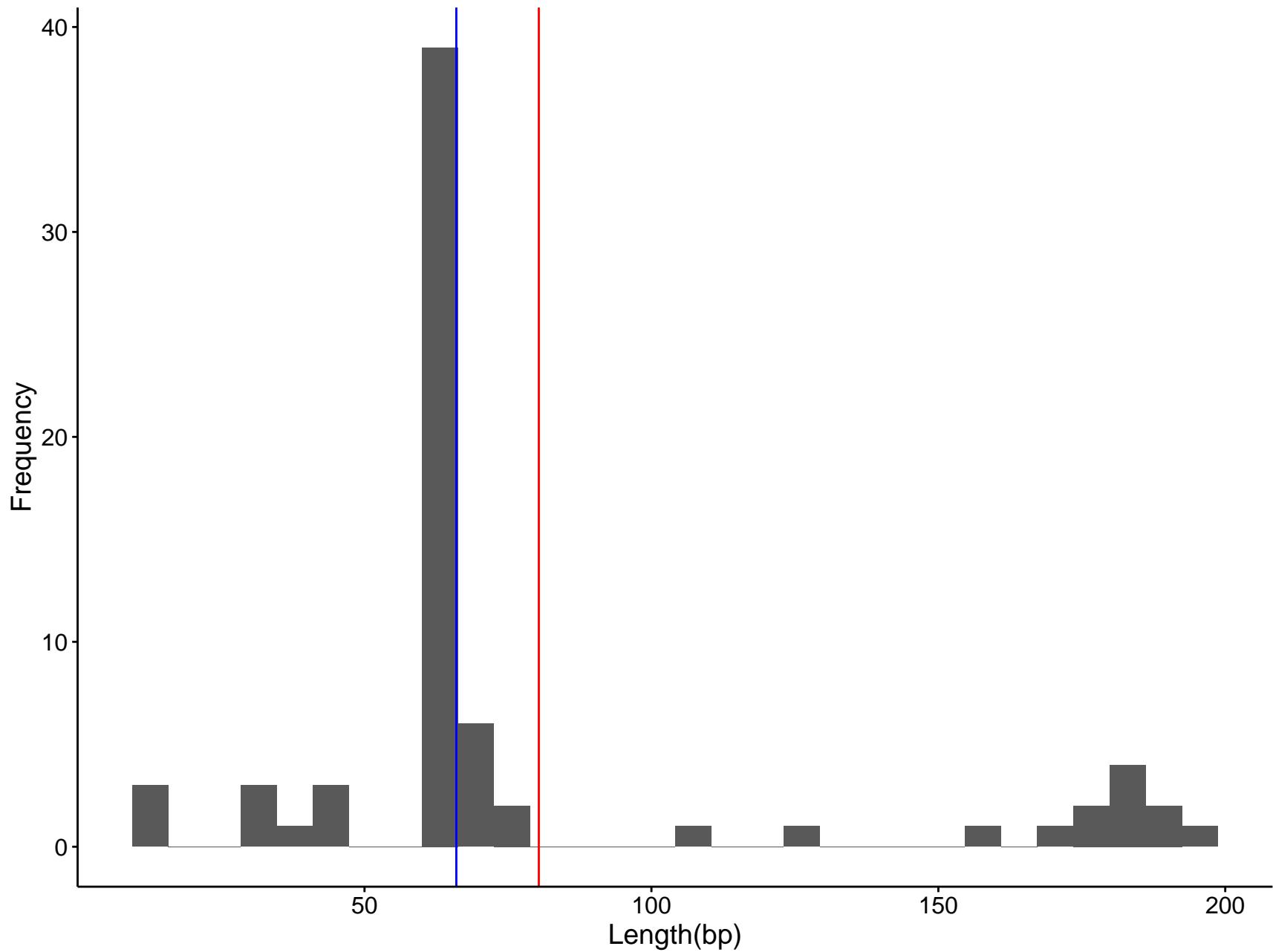
# Cluster248



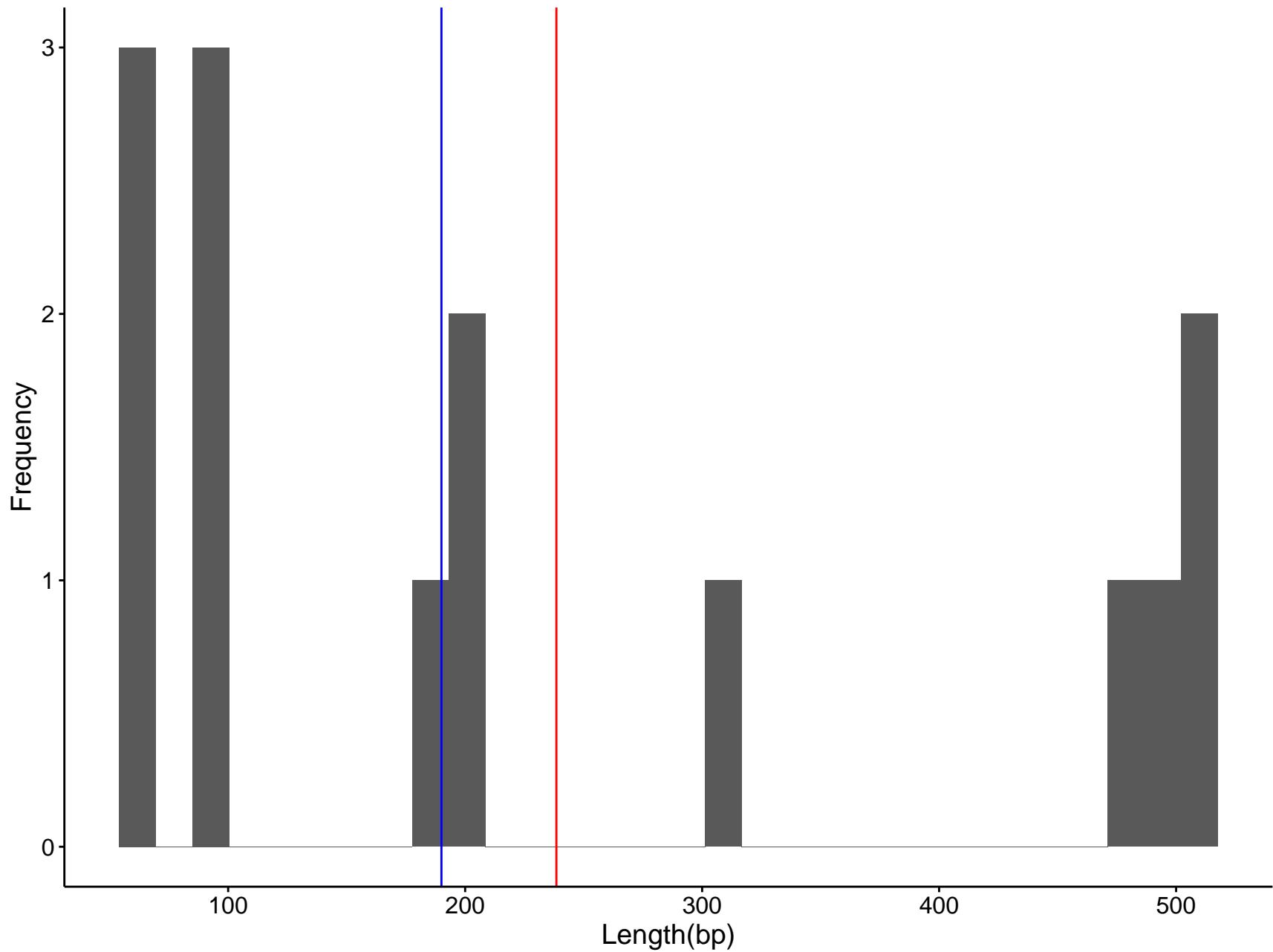
Cluster2492



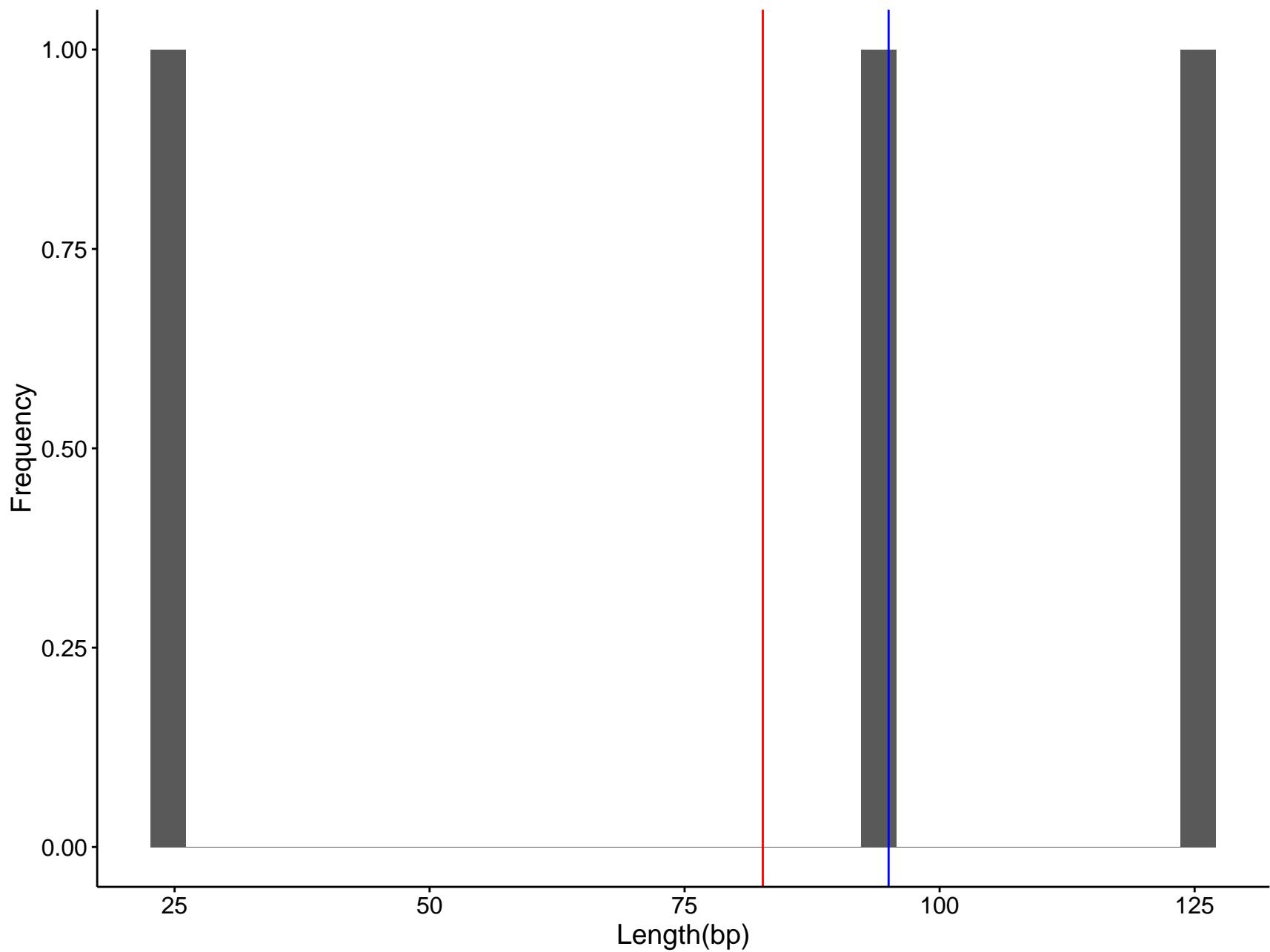
Cluster2493



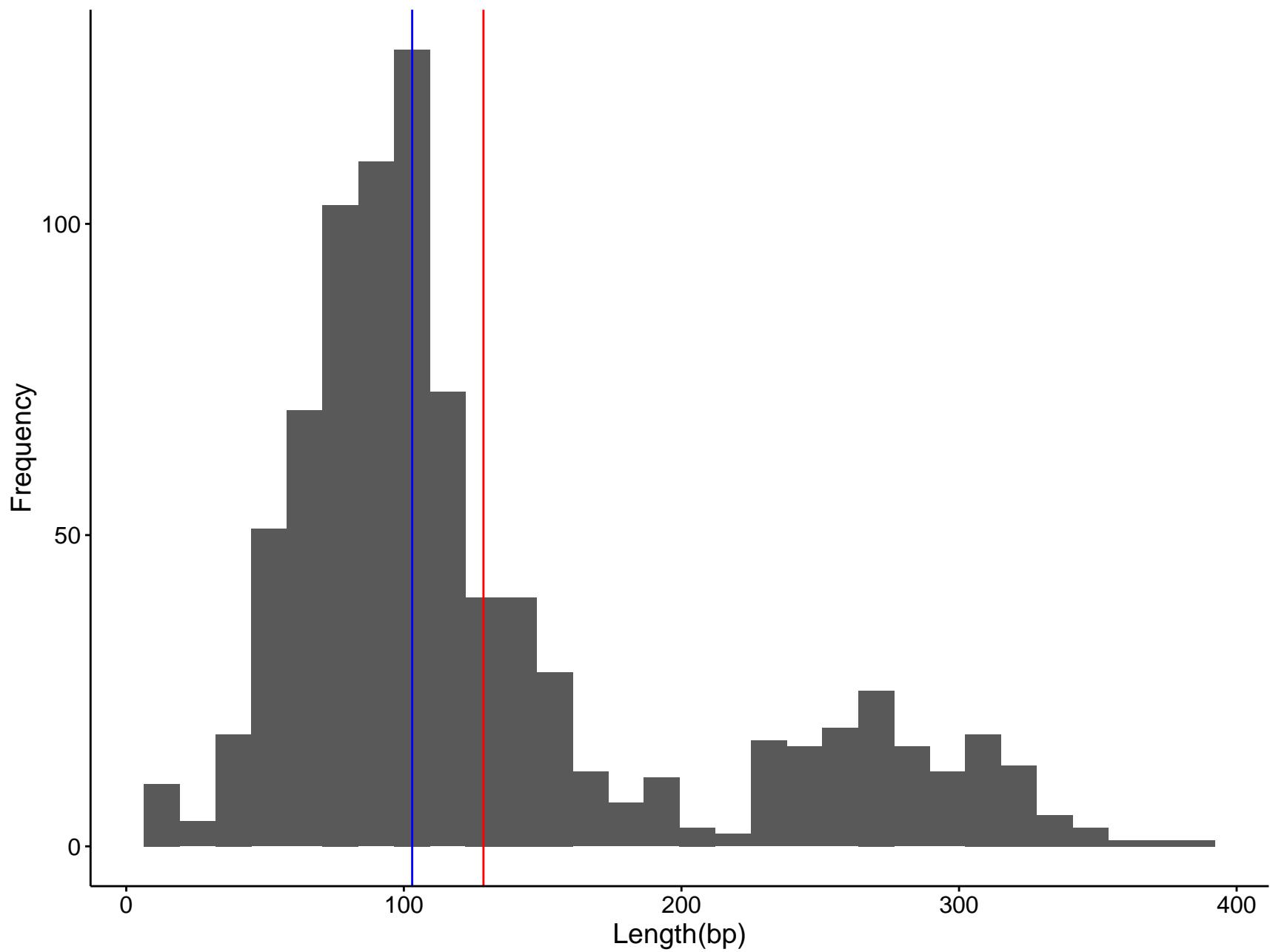
Cluster2494



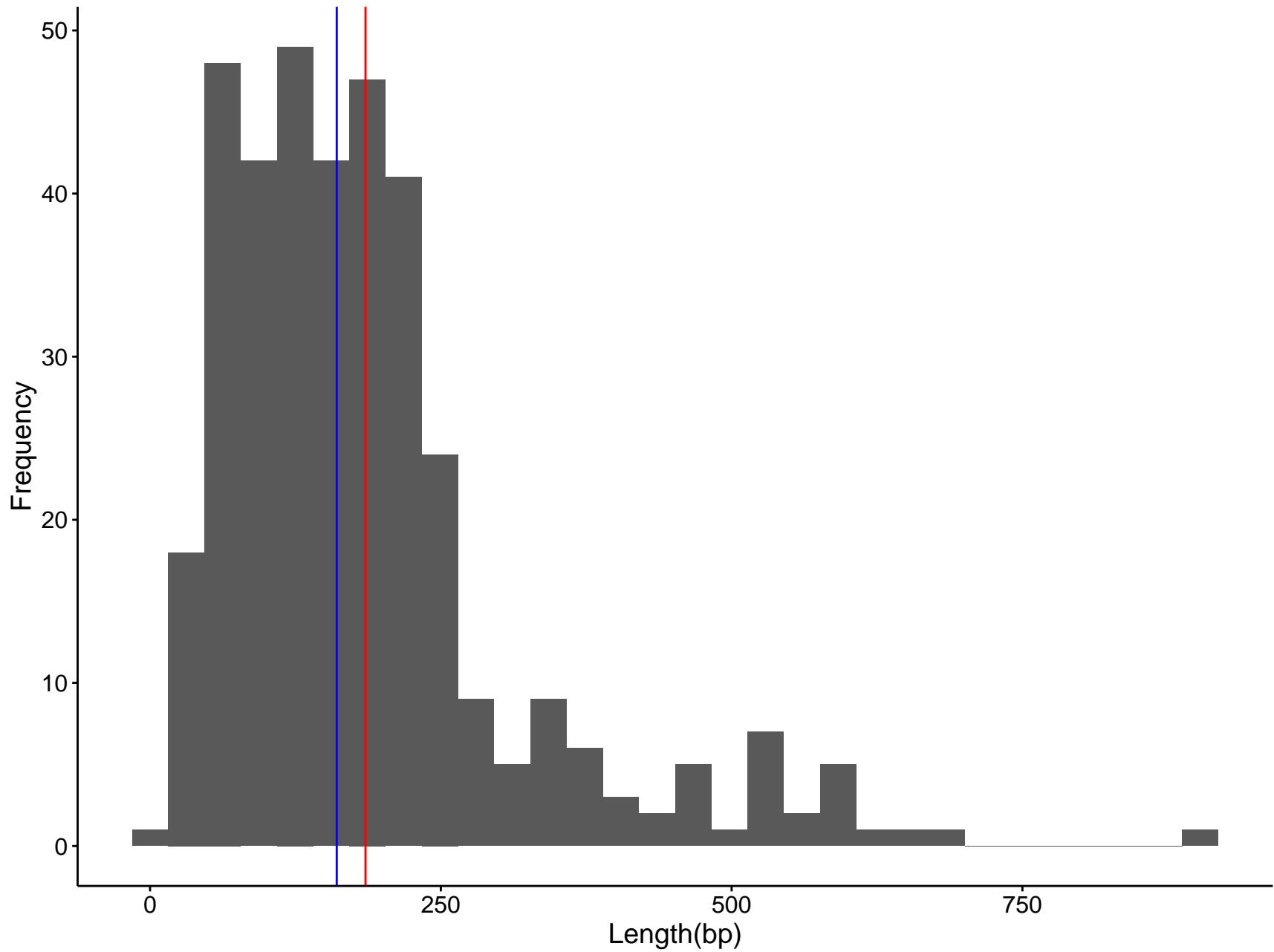
Cluster2495



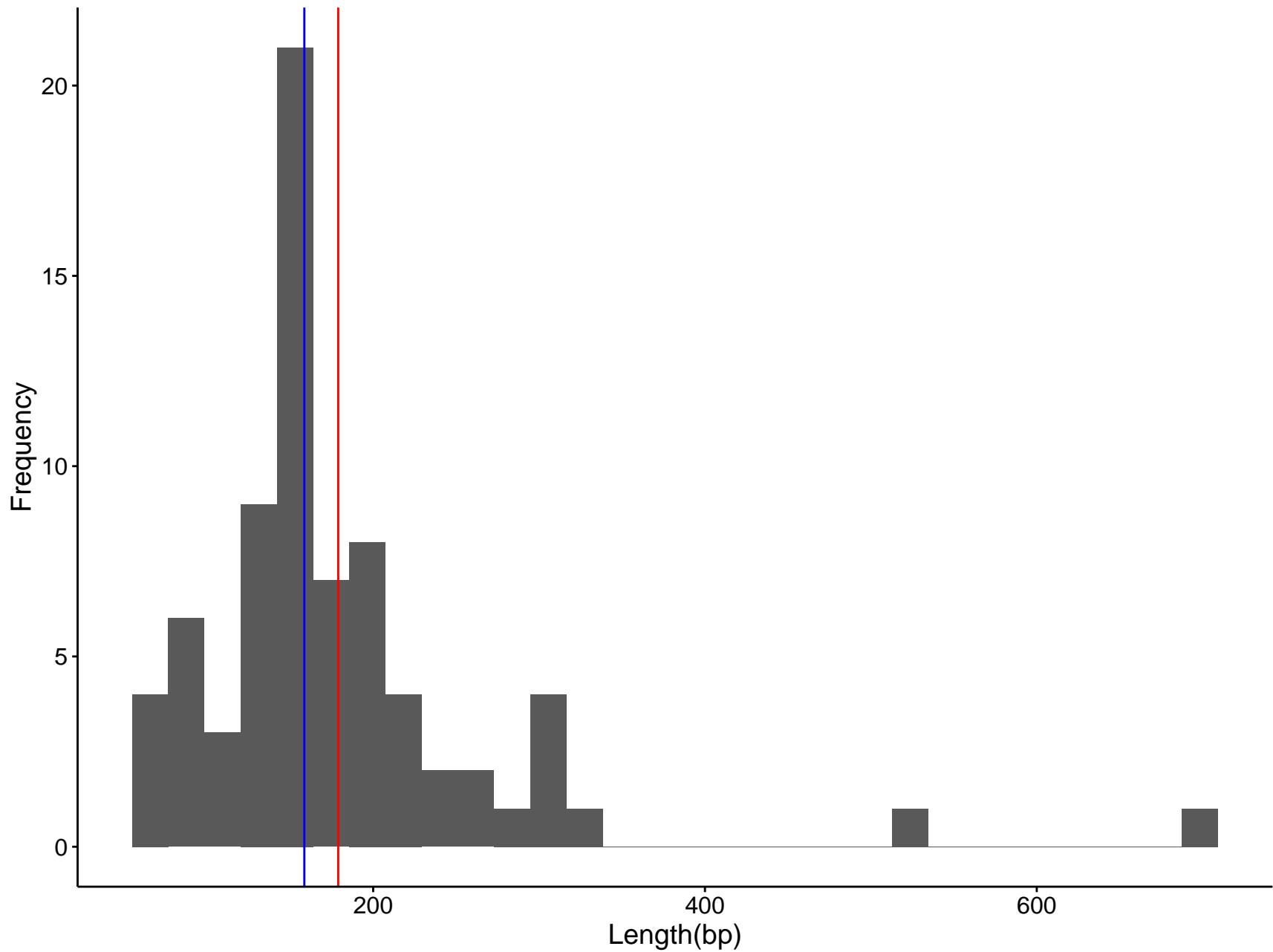
Cluster2497



Cluster2498



Cluster2499



# Cluster249

Frequency

2592.950

2592.975

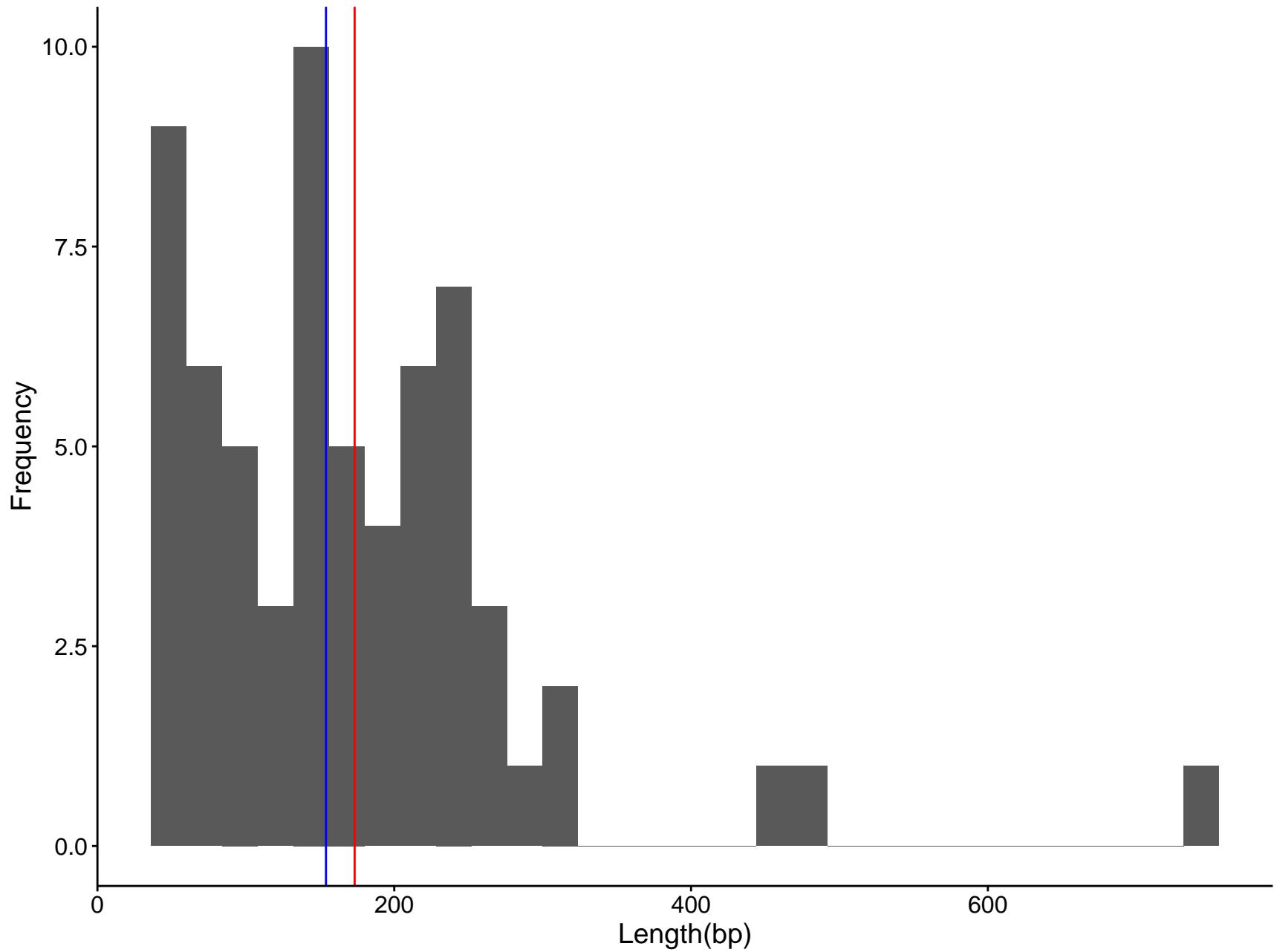
2593.000  
Length(bp)

2593.025

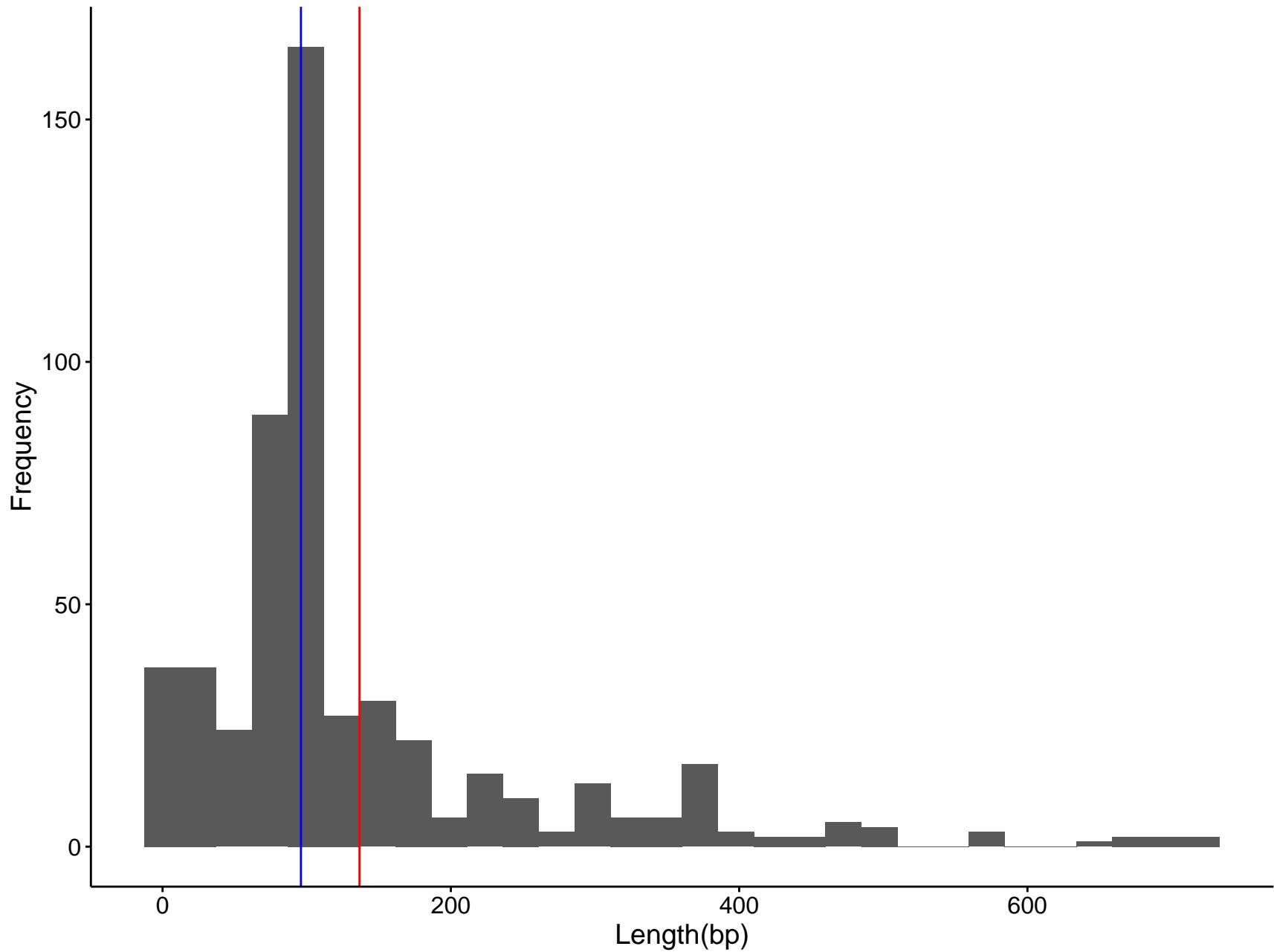
2593.



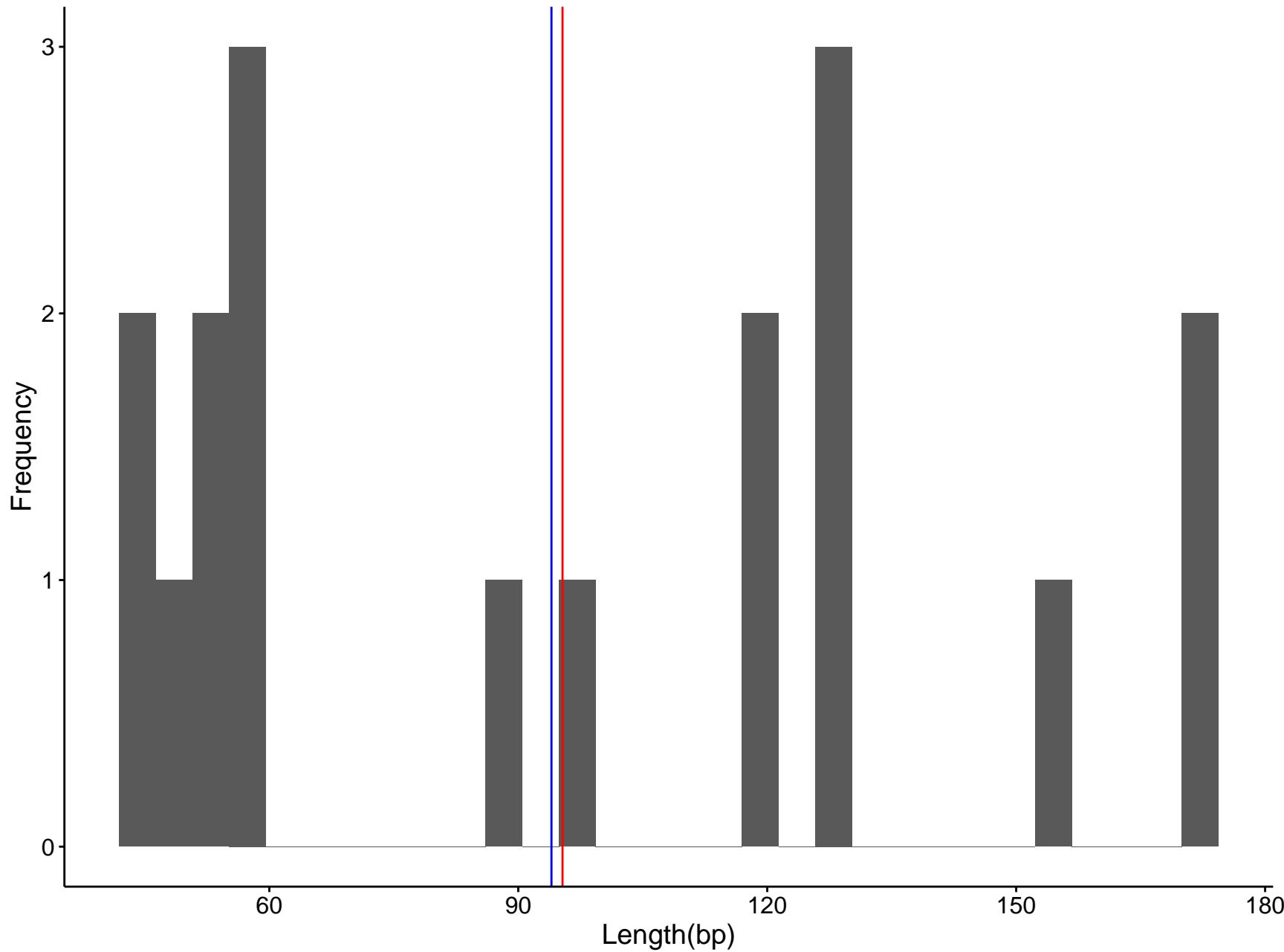
Cluster2500



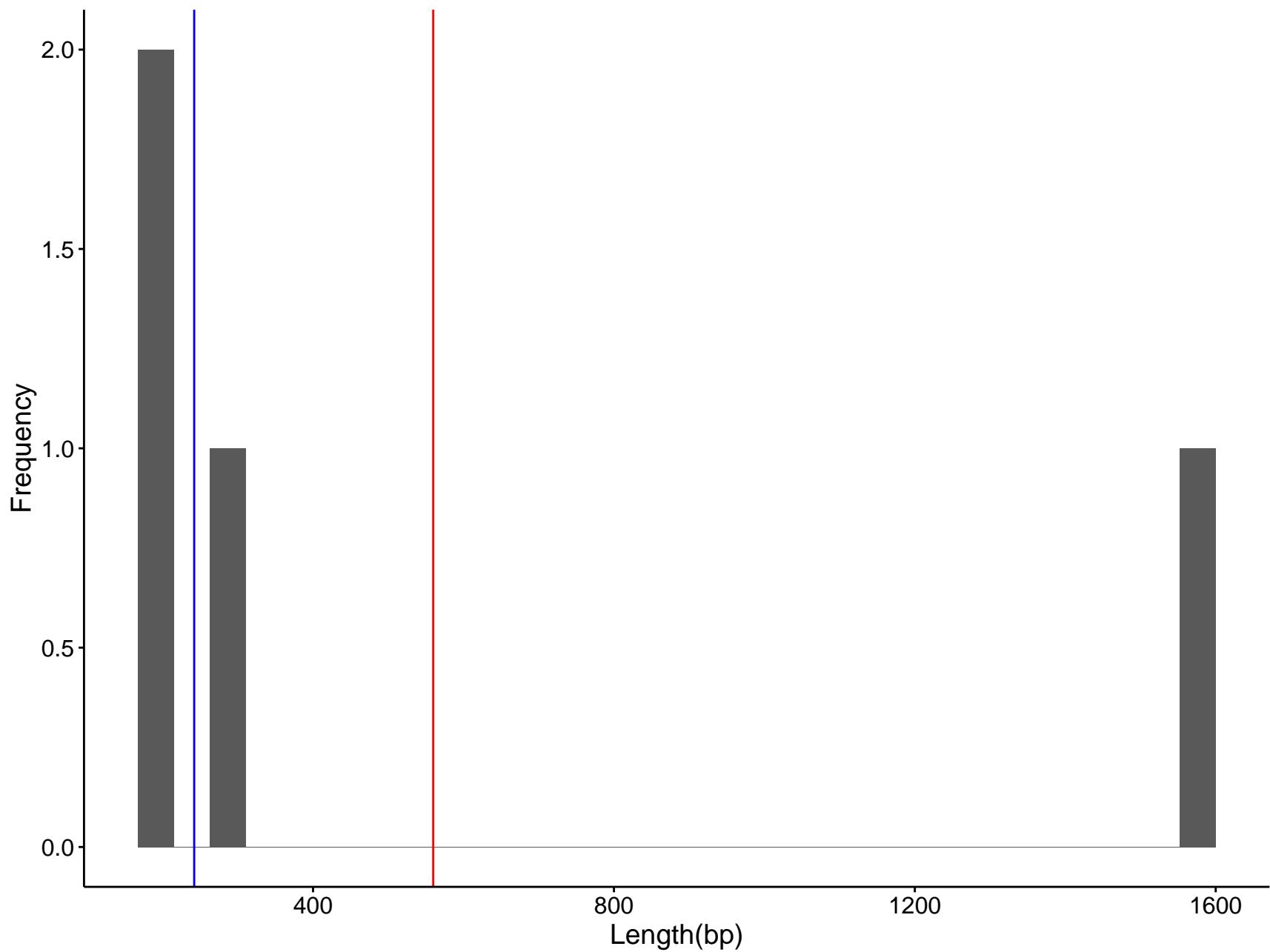
Cluster2505



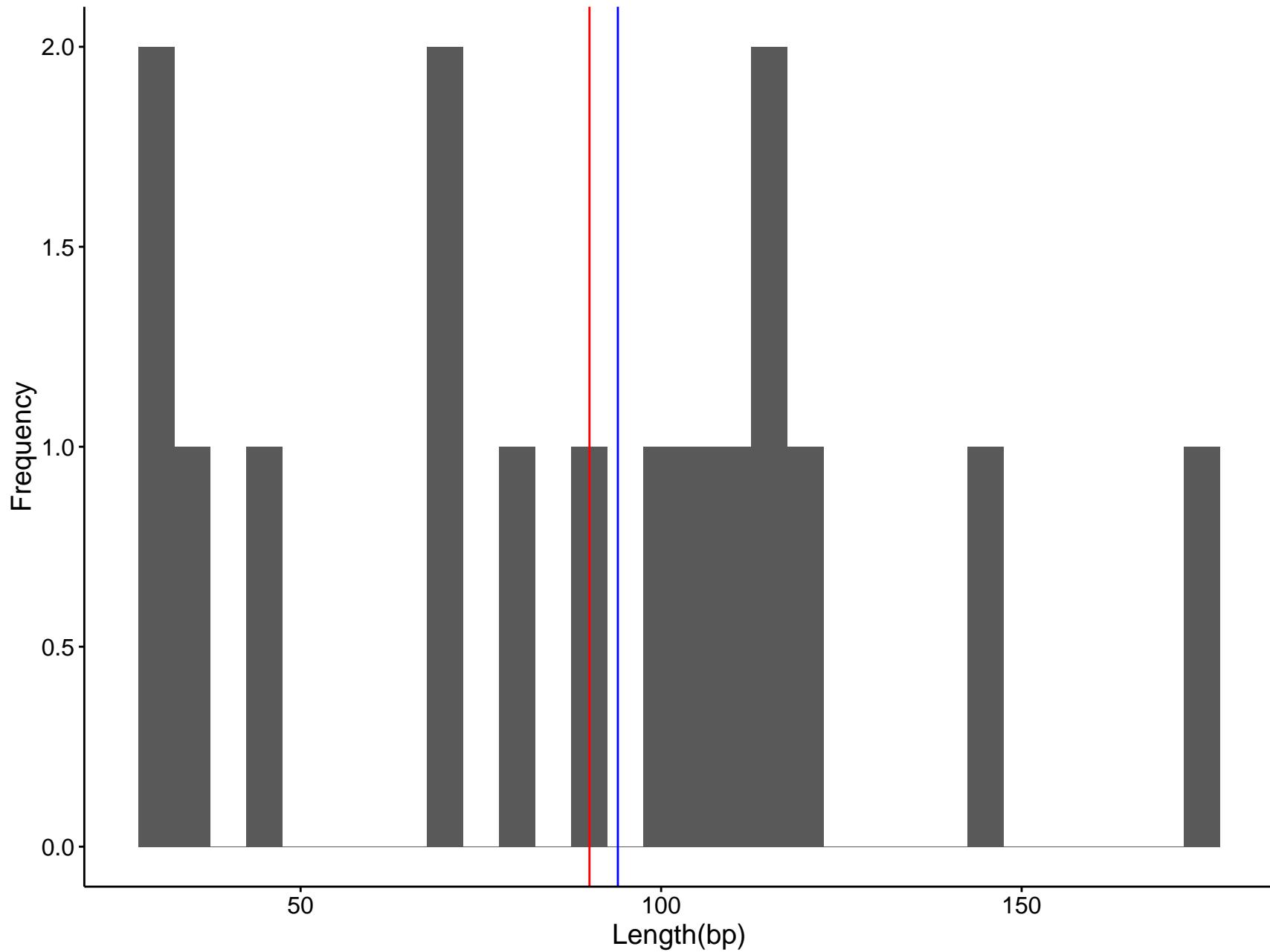
Cluster2508



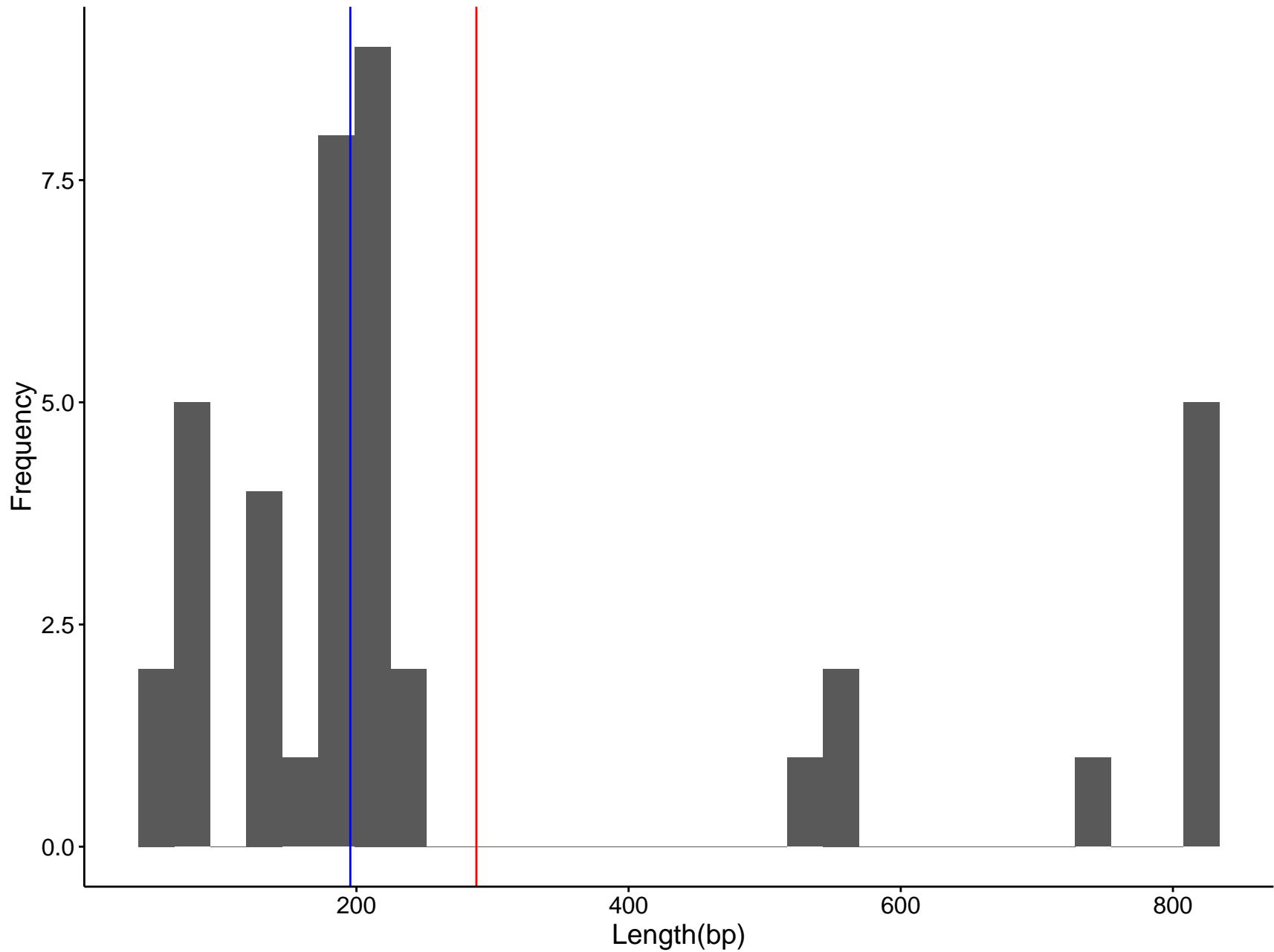
Cluster2509



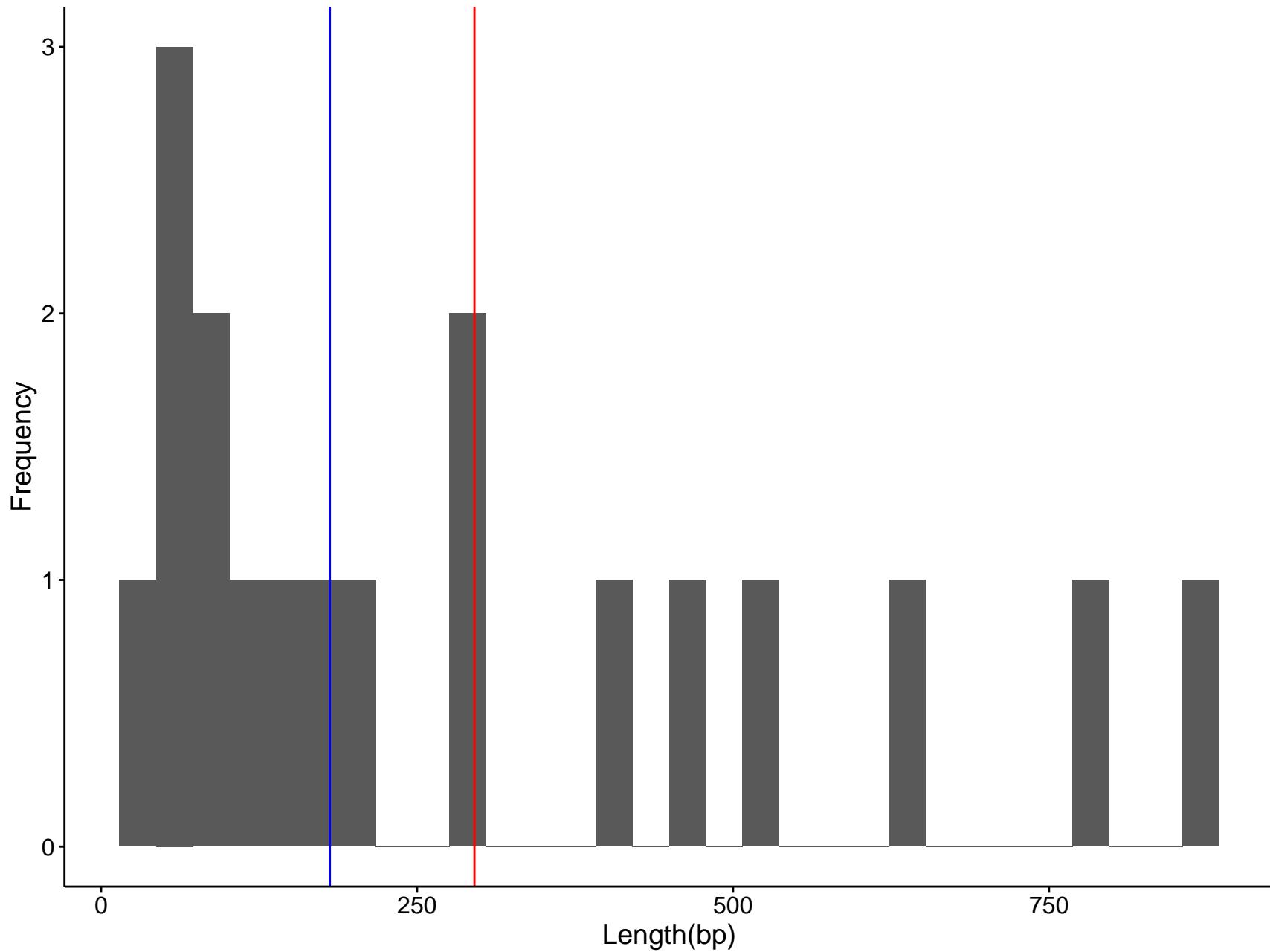
Cluster250



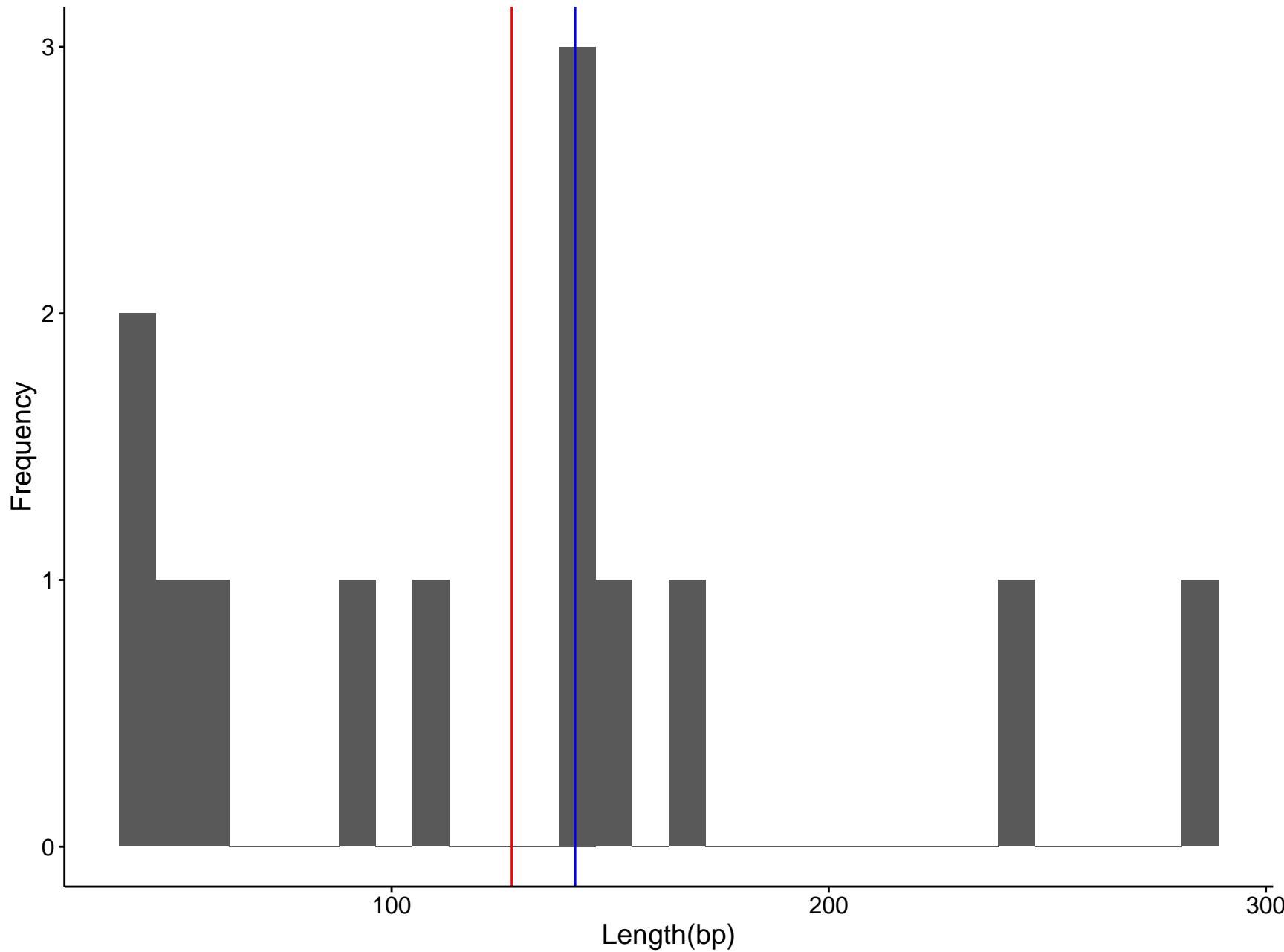
Cluster2510



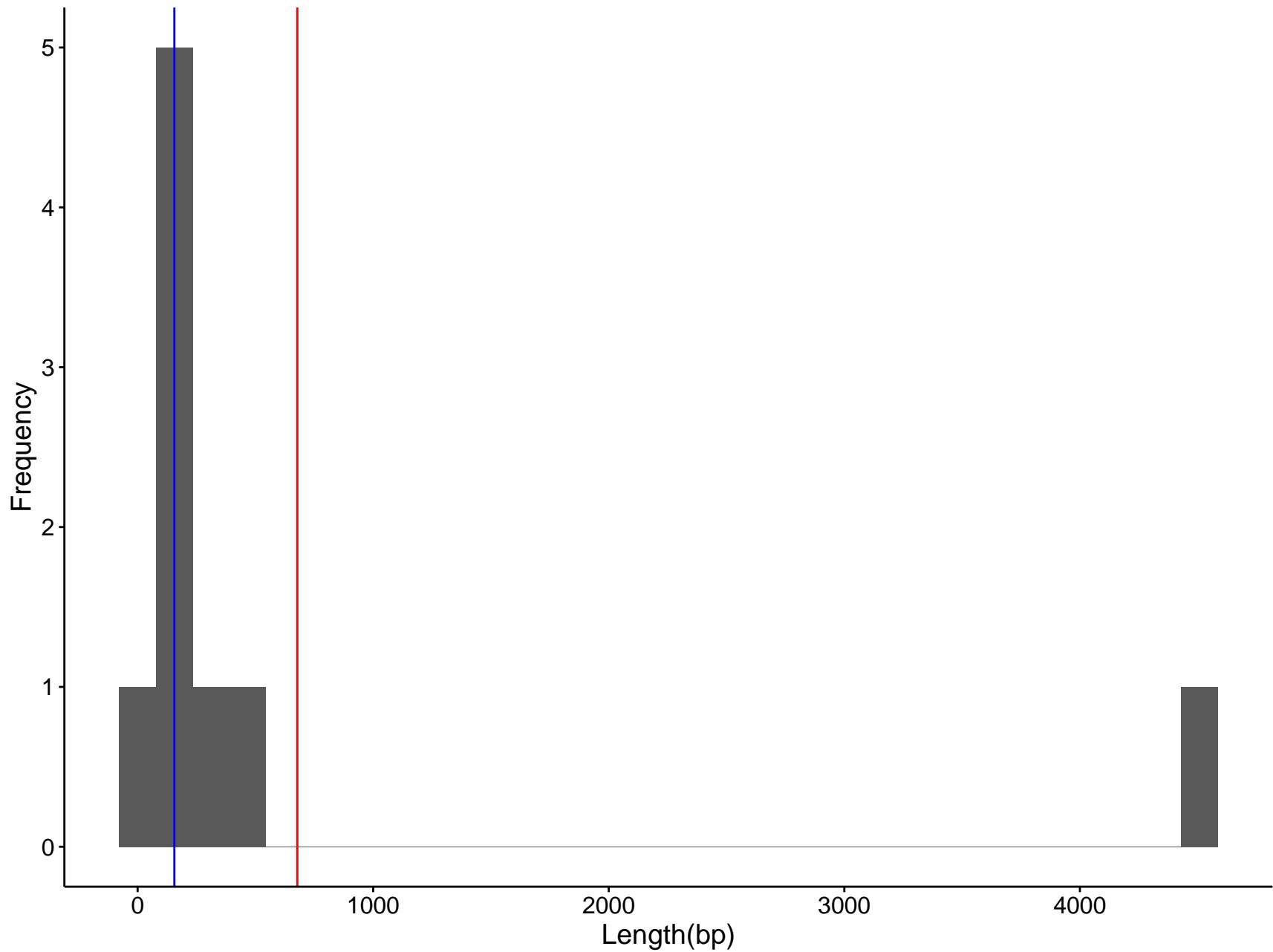
Cluster2513



Cluster2514



Cluster2516



# Cluster2517

Frequency

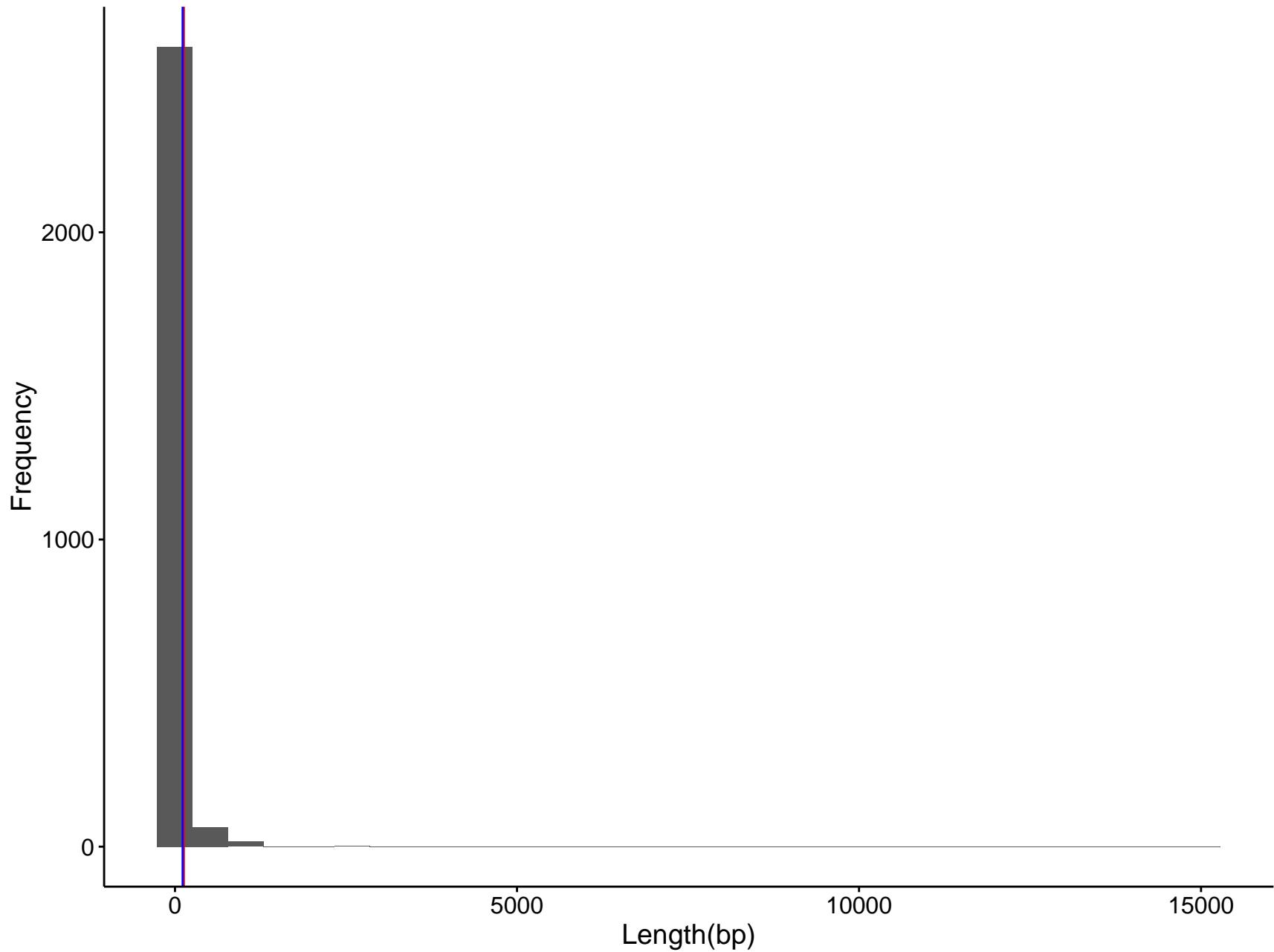
8927.950

8927.975

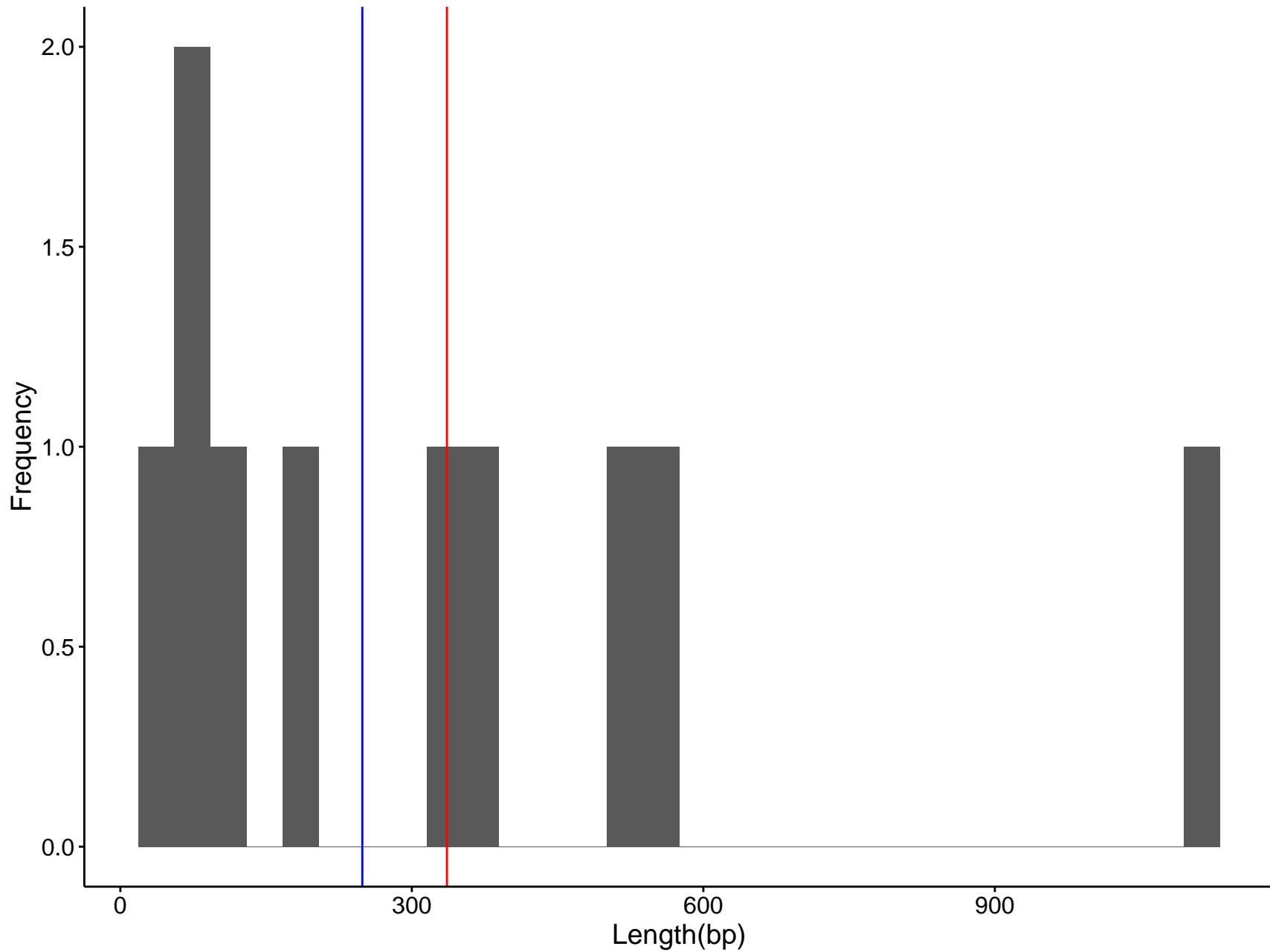
8928.000  
Length(bp)

8928.025

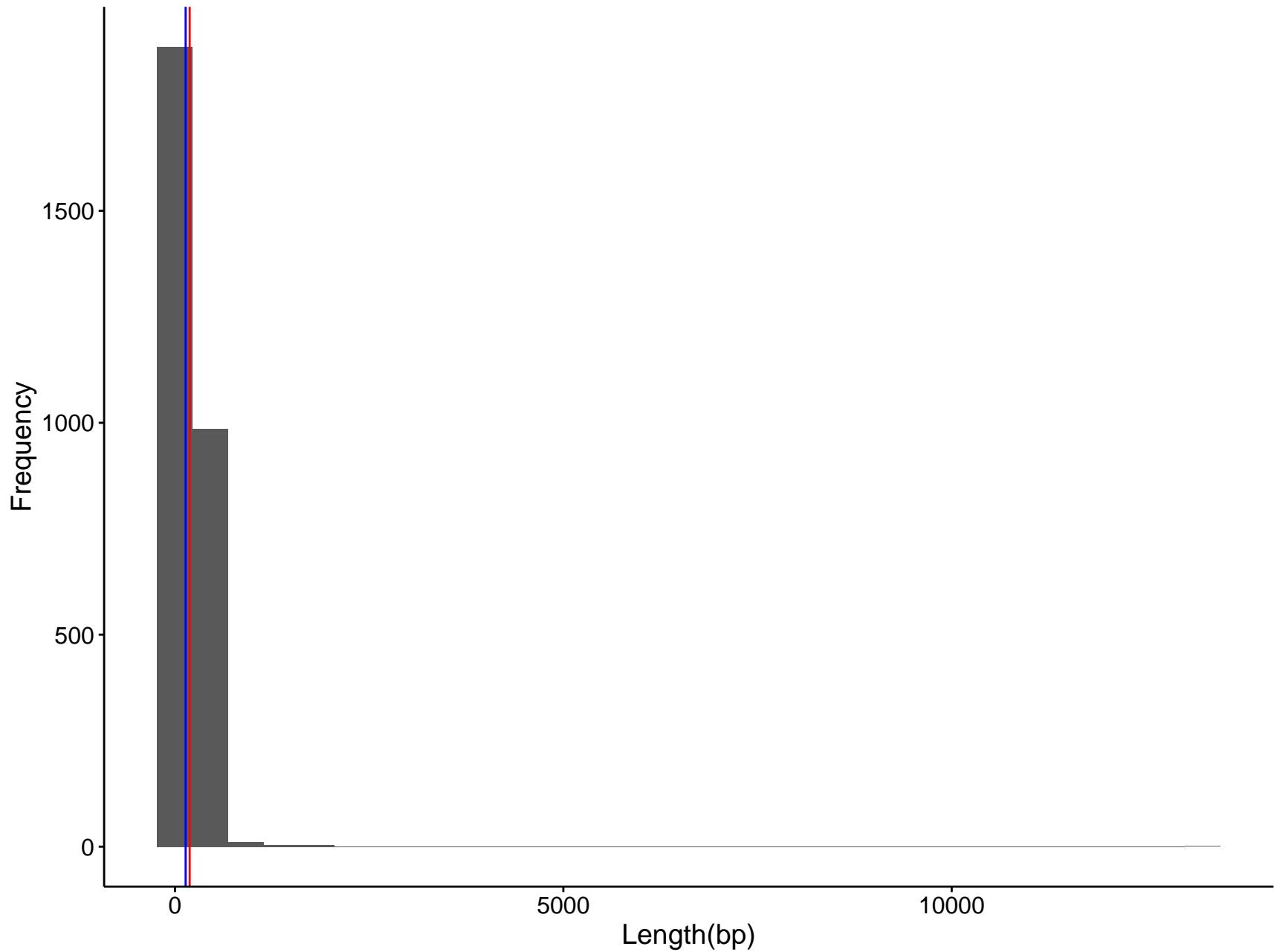
Cluster2518



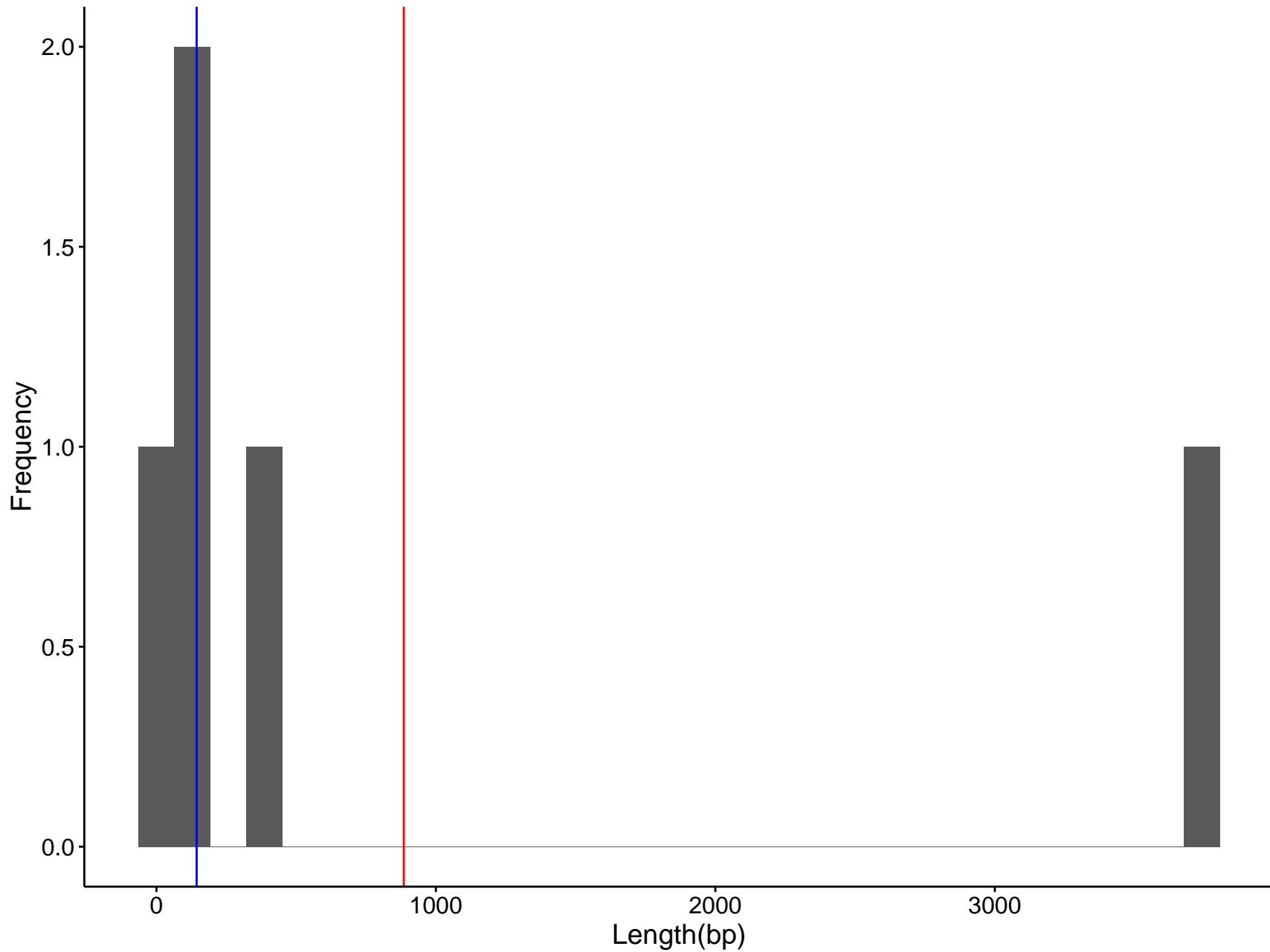
Cluster251



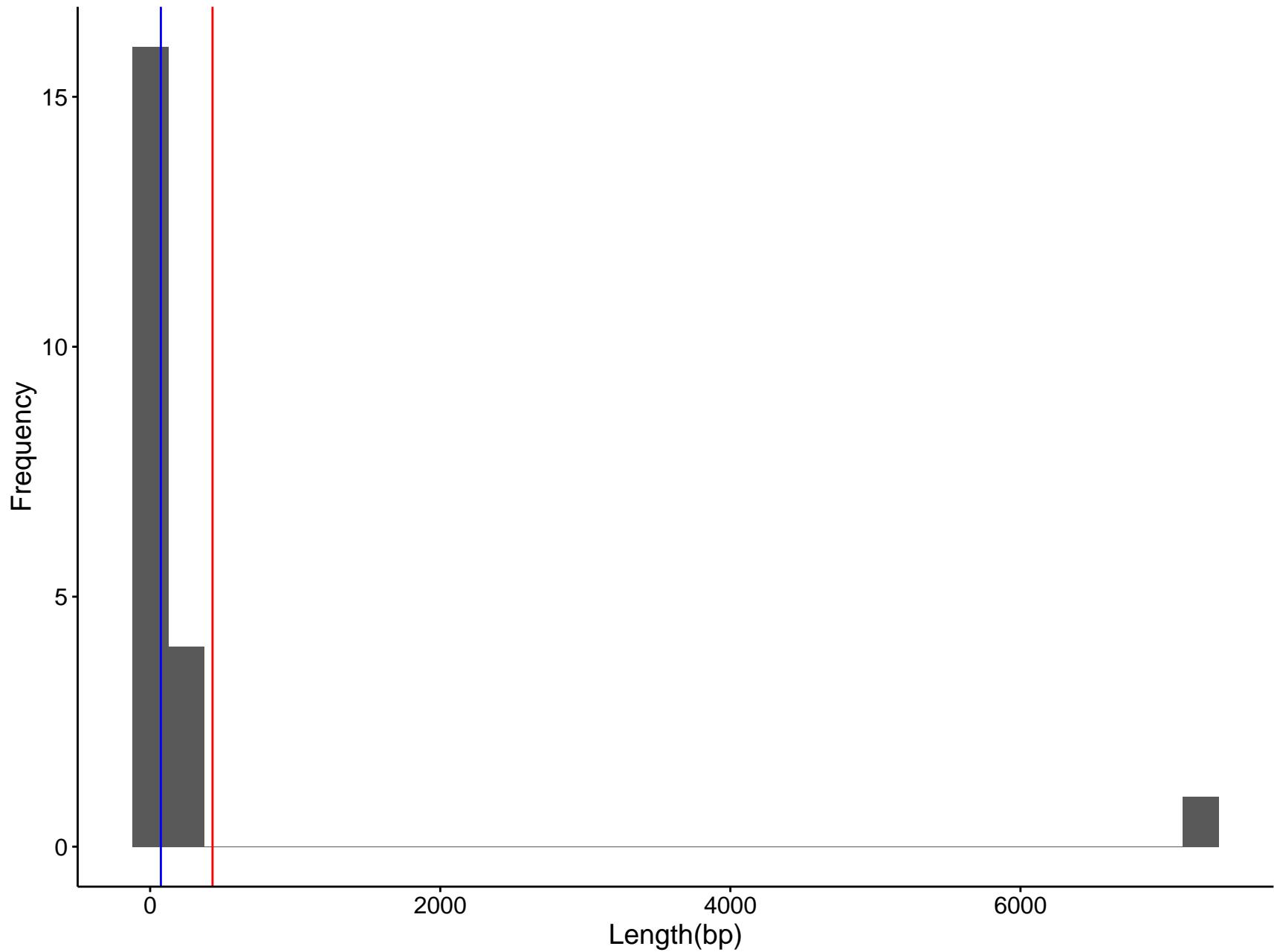
Cluster2520



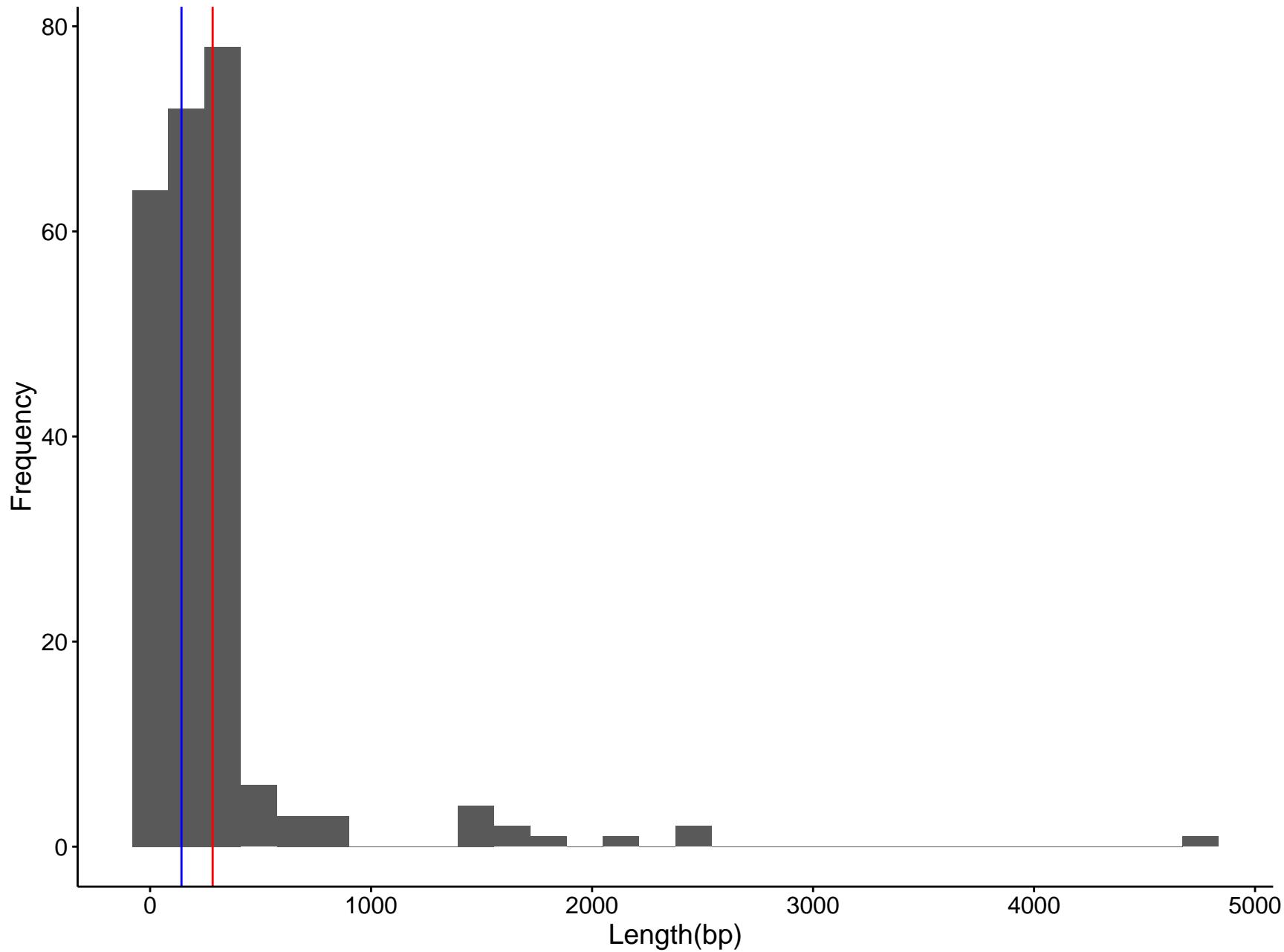
Cluster2521



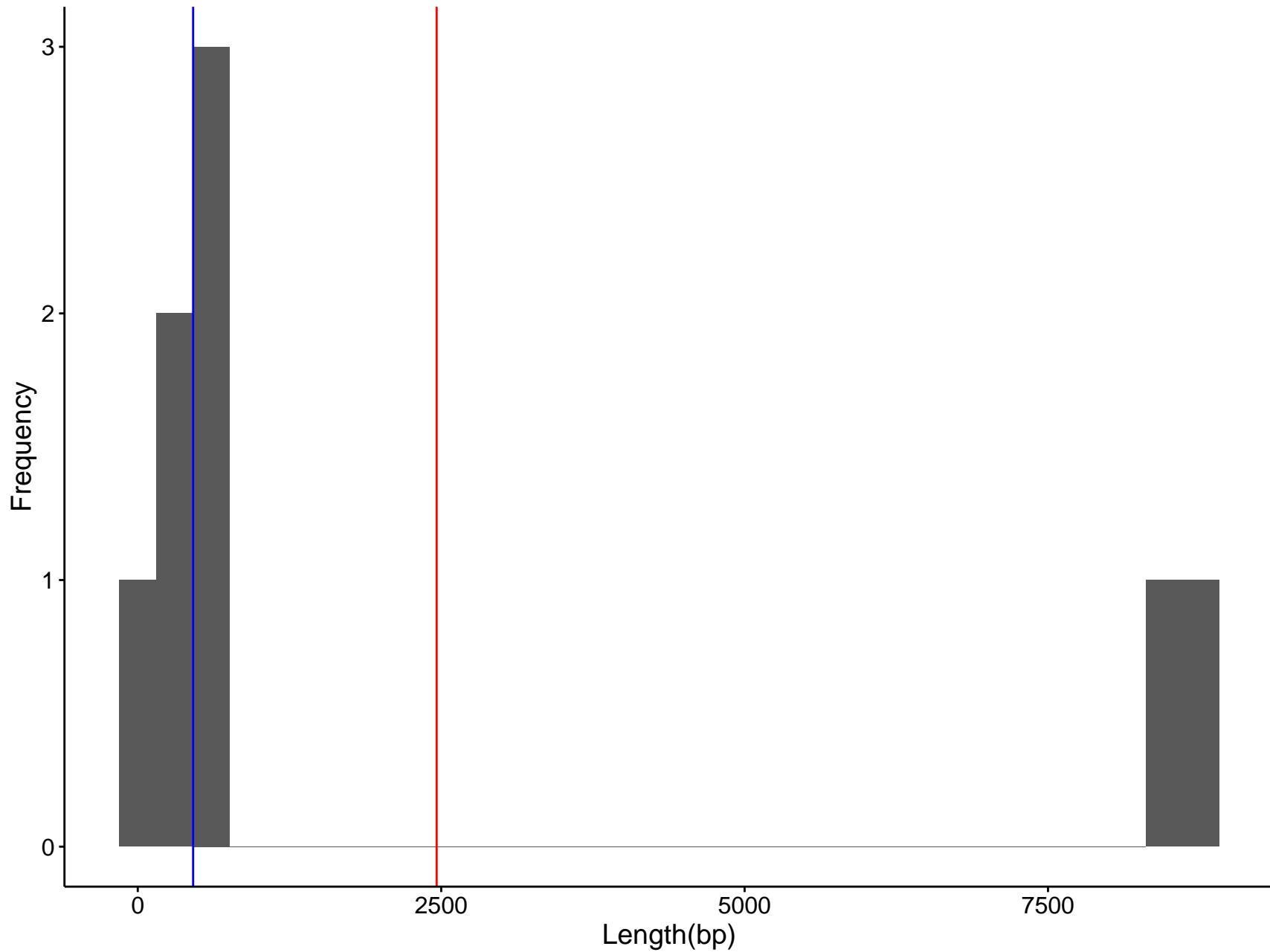
Cluster2523



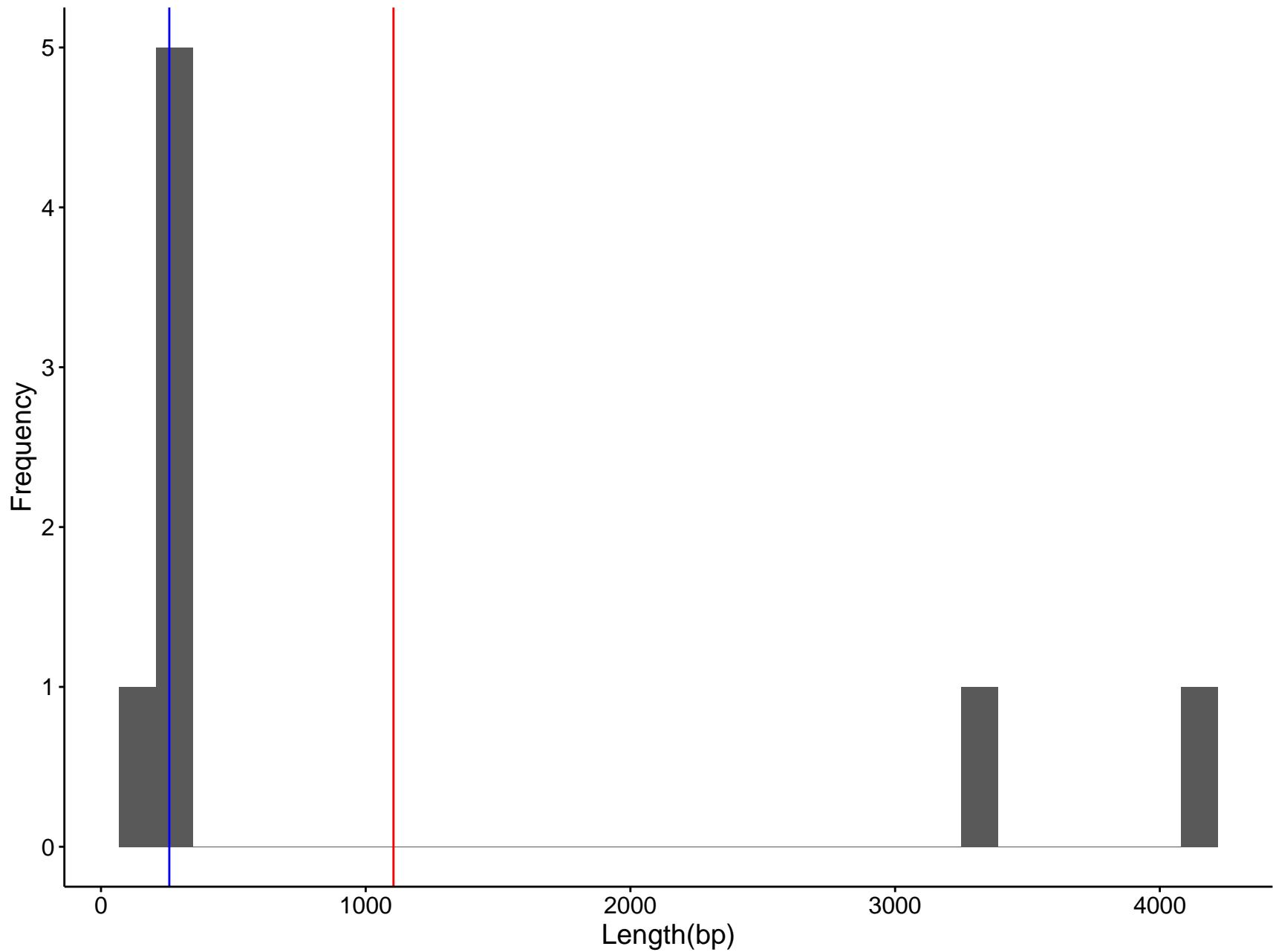
Cluster2524



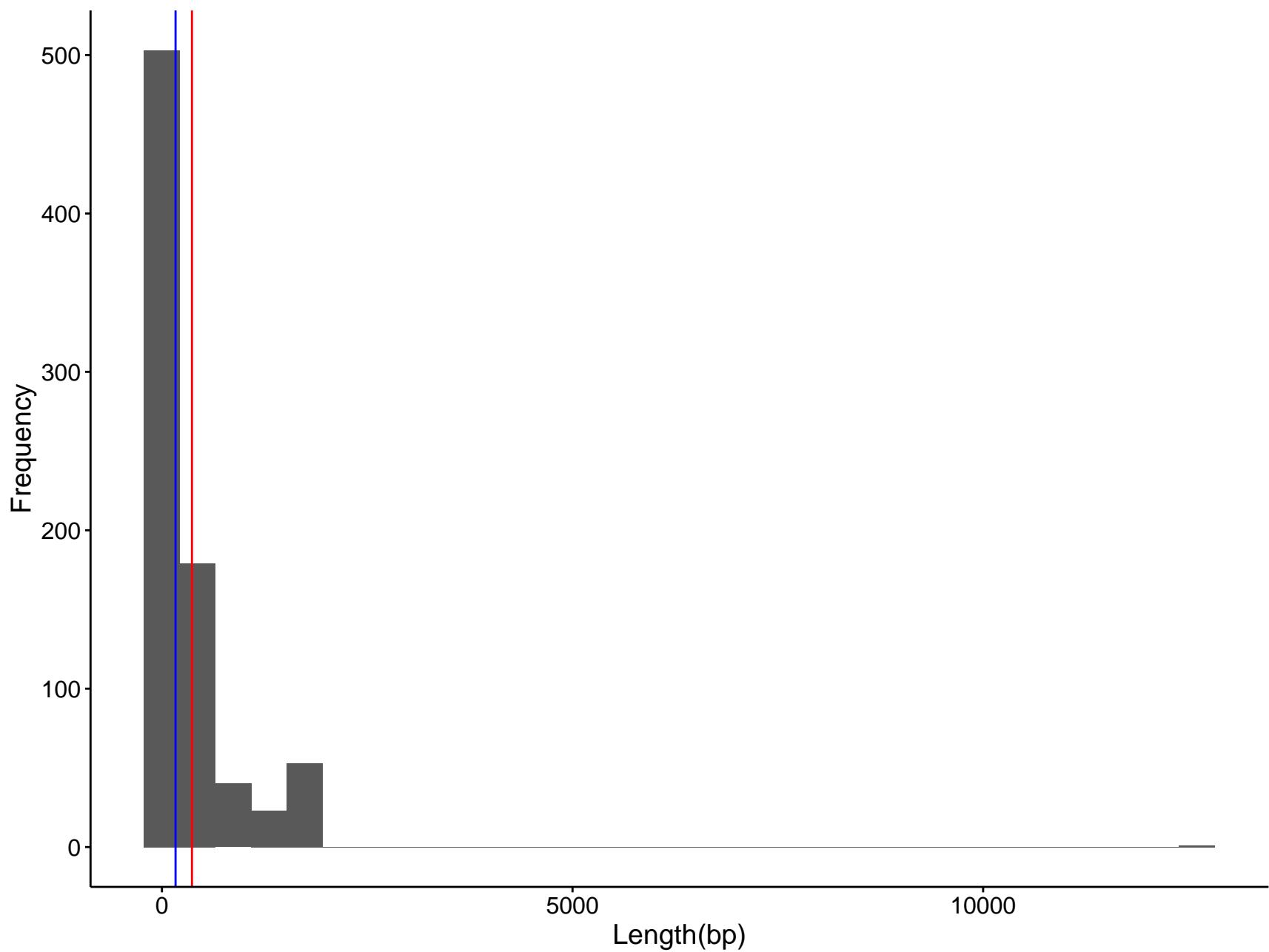
Cluster2525



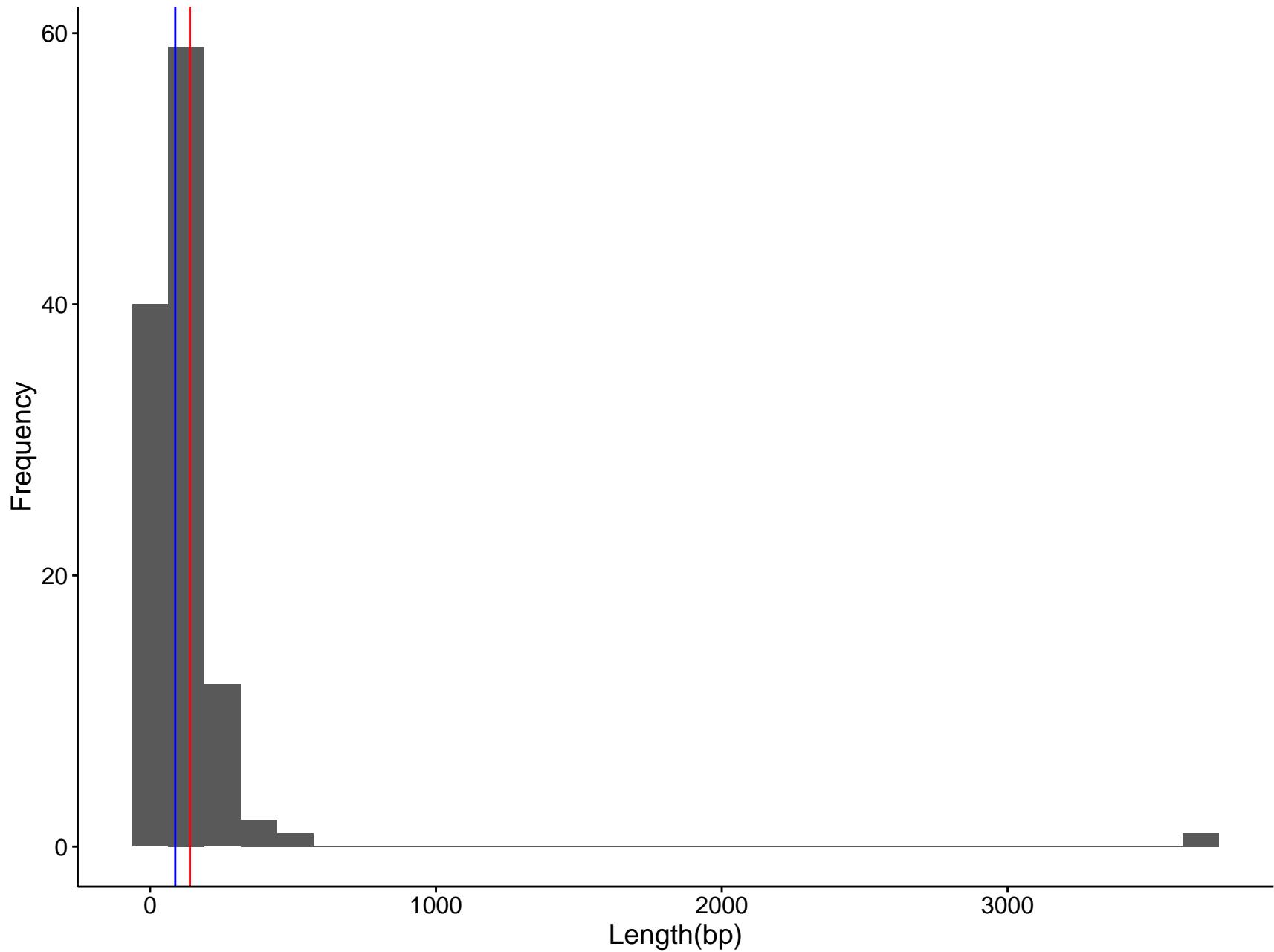
Cluster2526



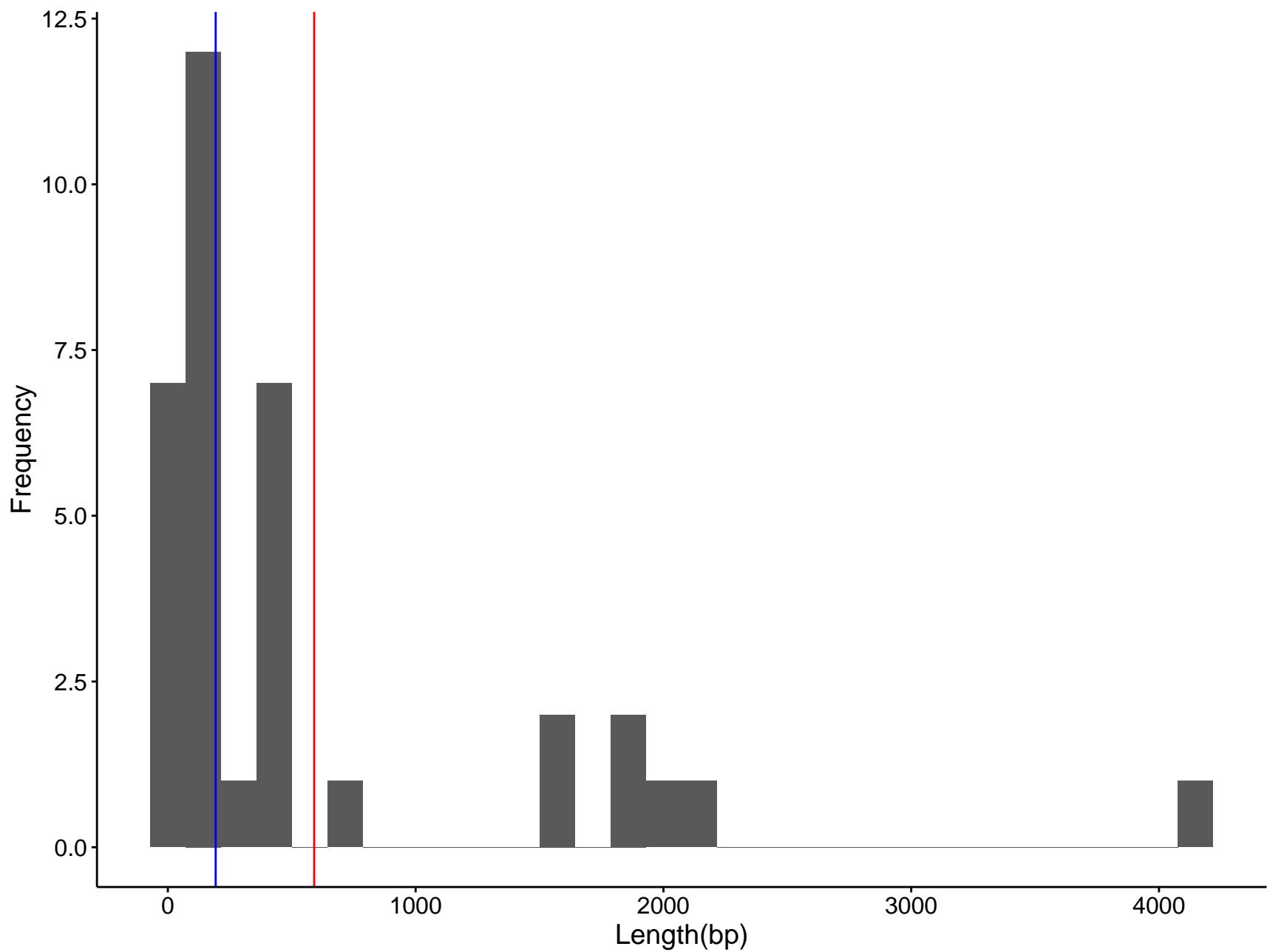
Cluster2527



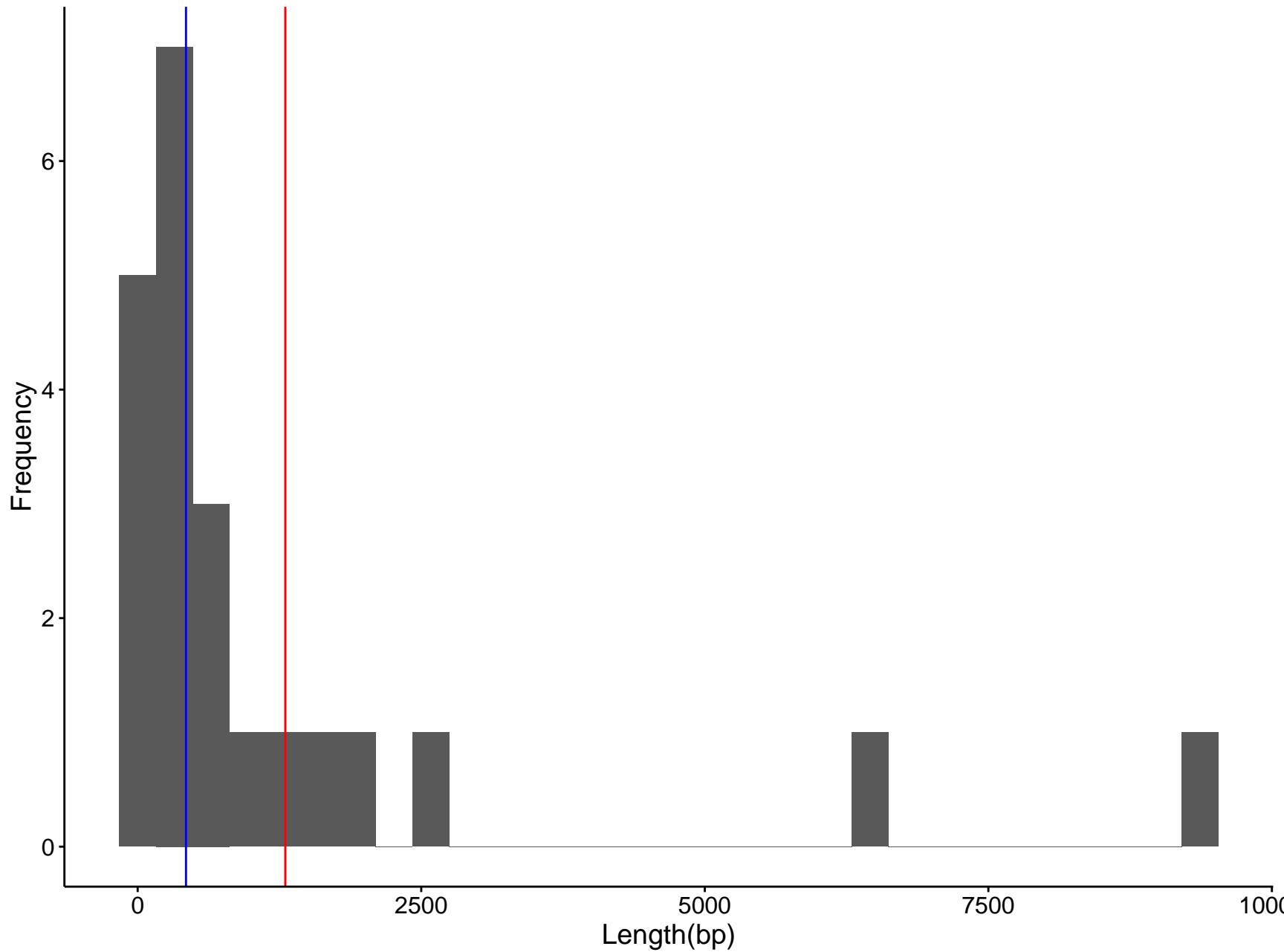
Cluster2529



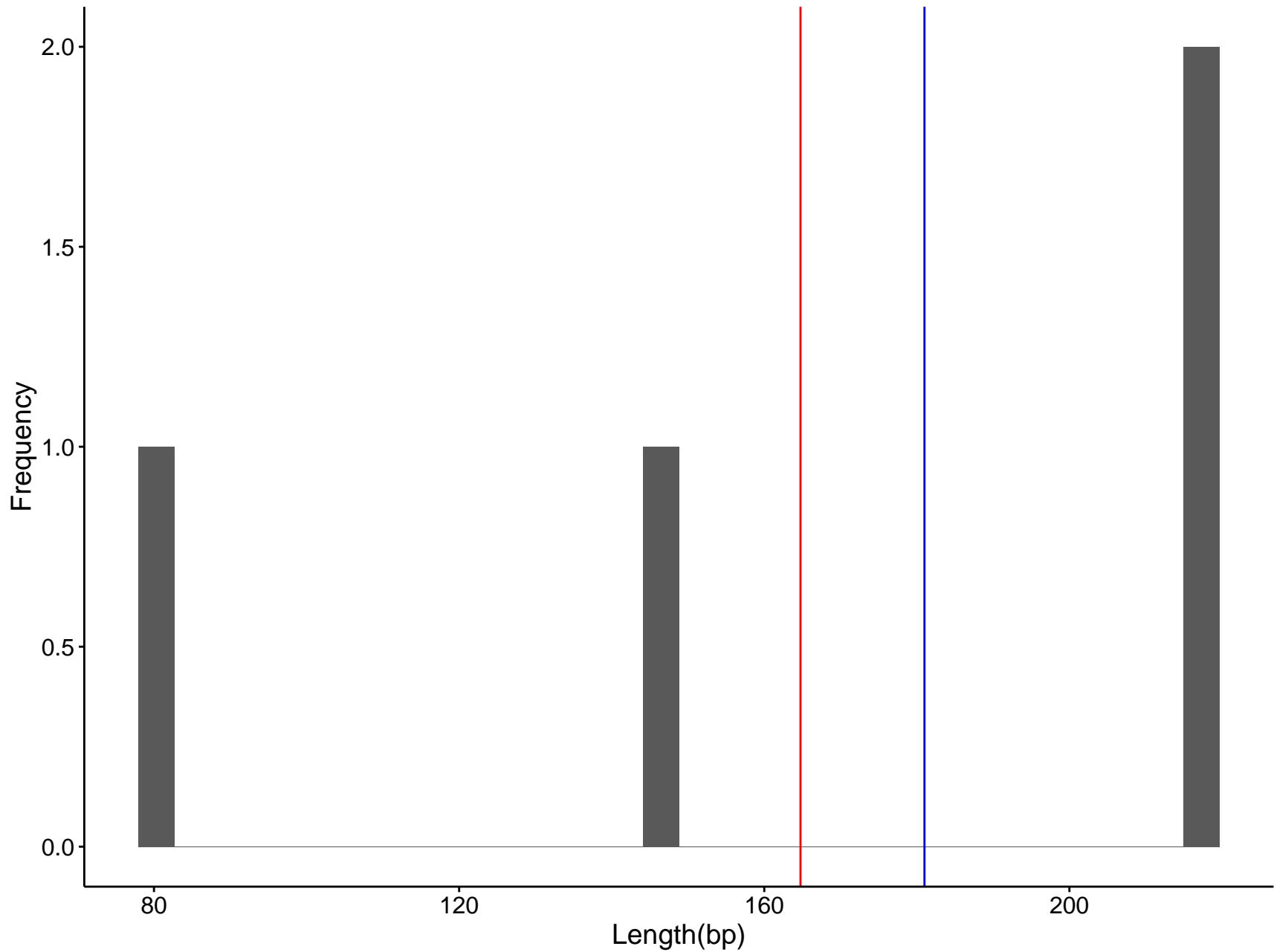
Cluster2531



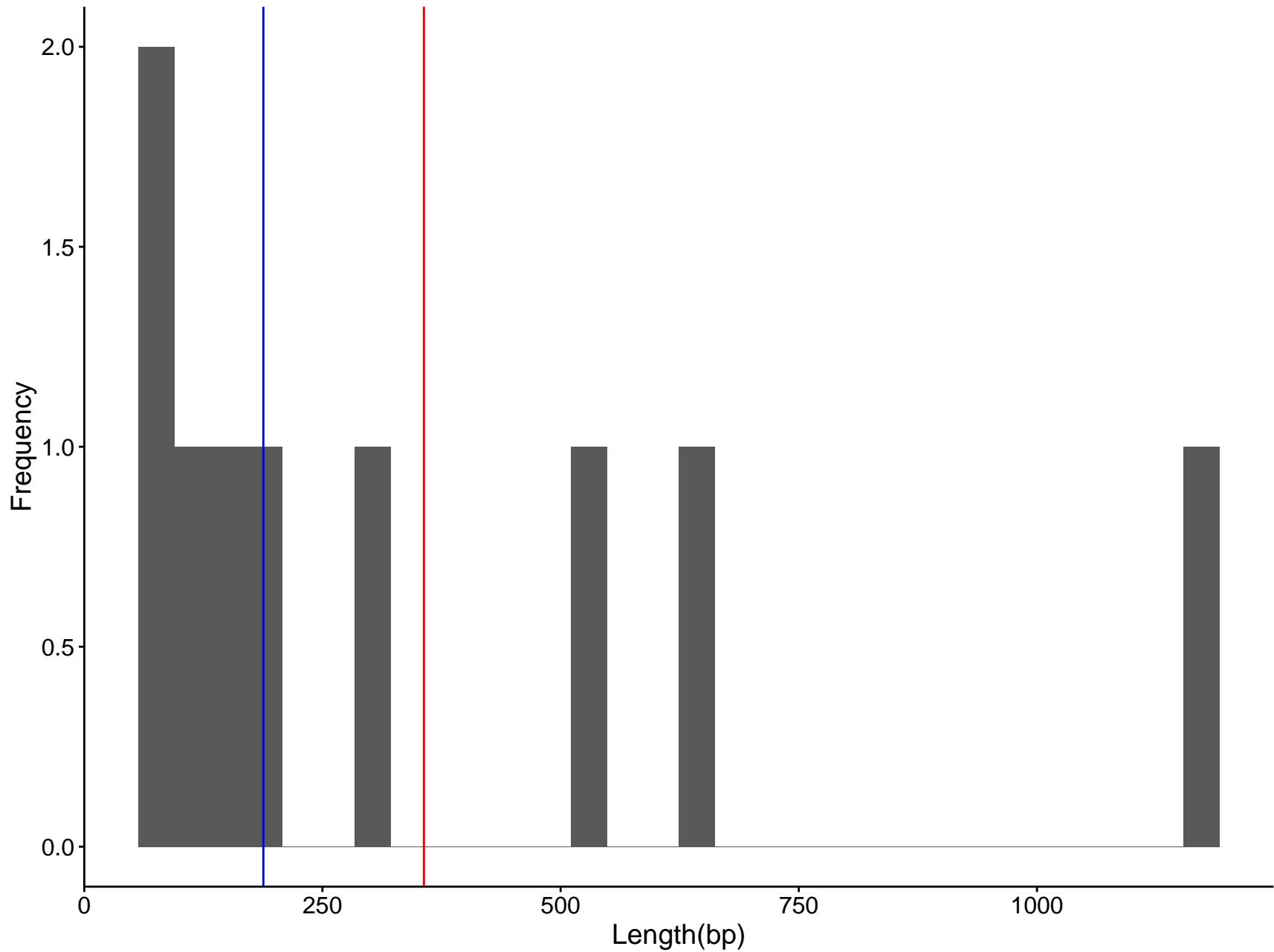
Cluster2532



Cluster2533



Cluster2534



# Cluster2535

Frequency

142.950

142.975

143.000

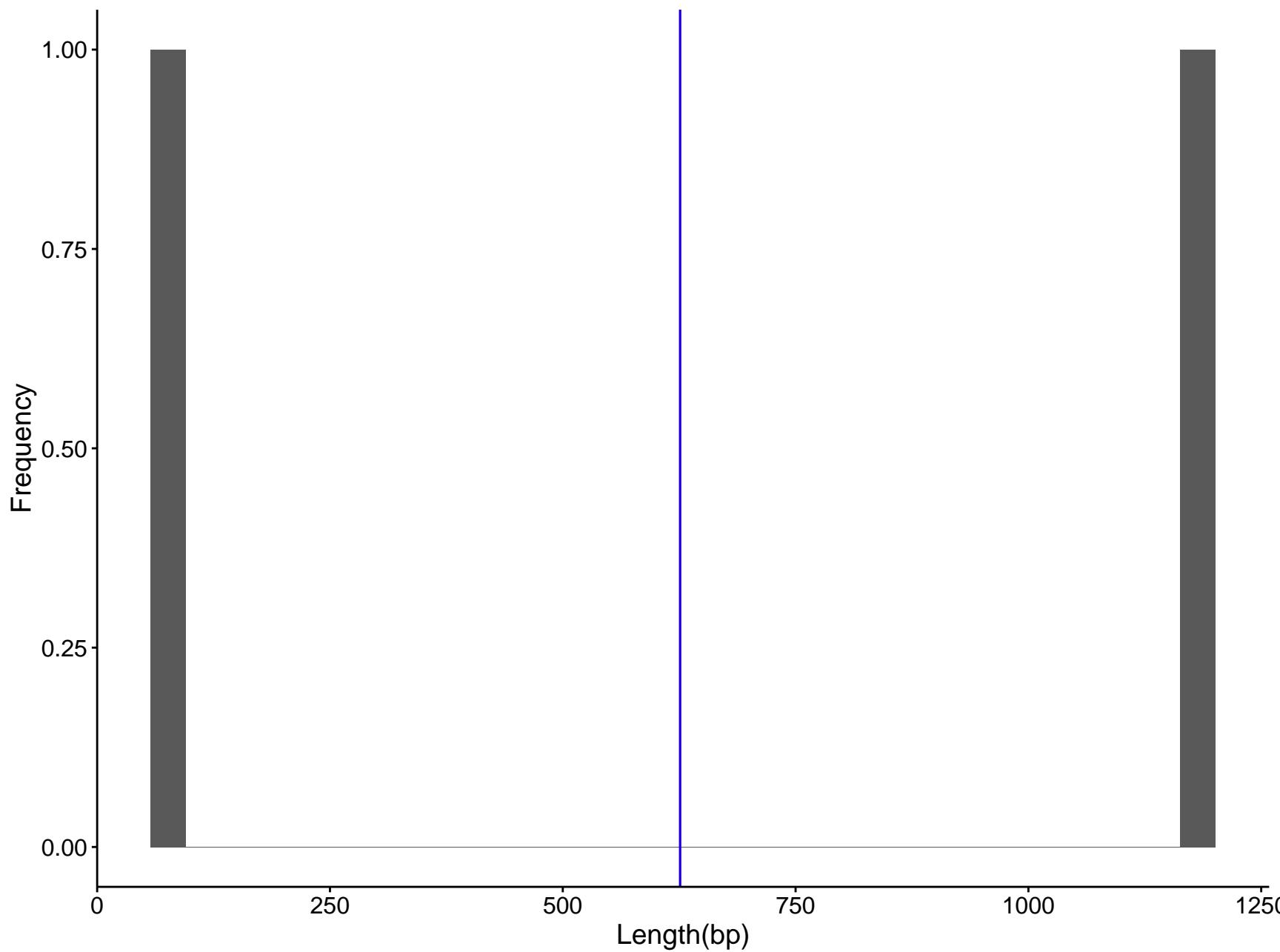
143.025

143.050

Length(bp)



Cluster2536



Cluster2537

Frequency

196.950

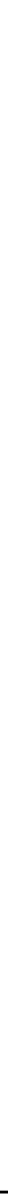
196.975

197.000

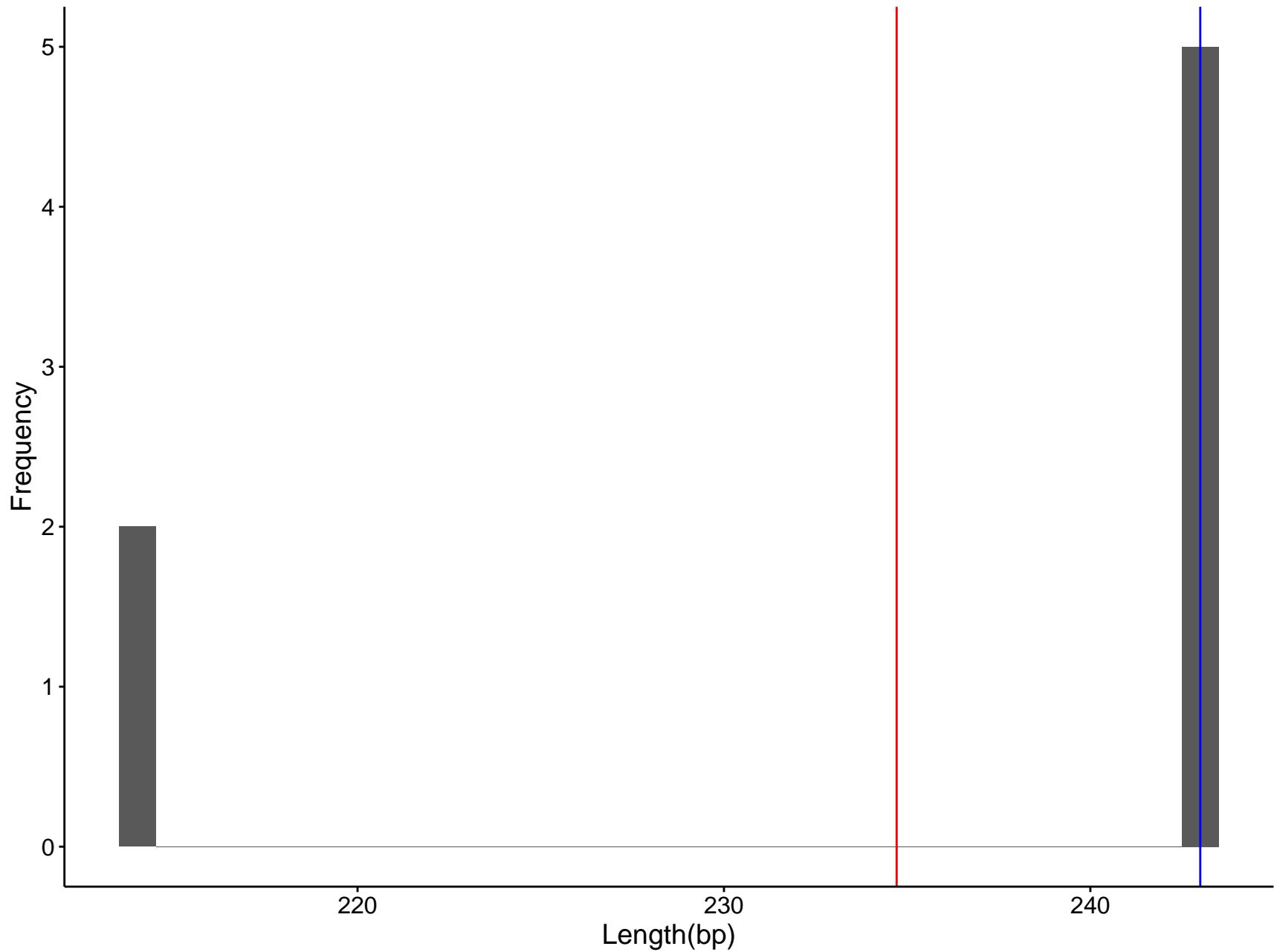
197.025

197.050

Length(bp)



Cluster2538



Cluster2539

Frequency

79.950

79.975

80.000

80.025

80.0

Length(bp)



# Cluster253

Frequency

161.950

161.975

162.000

162.025

162.050

Length(bp)



Cluster2540

Frequency

318.950

318.975

319.000

319.025

Length(bp)



Cluster2541

Frequency

258.950

258.975

259.000

259.025

259.050

Length(bp)



# Cluster2542

Frequency

10.950

10.975

11.000

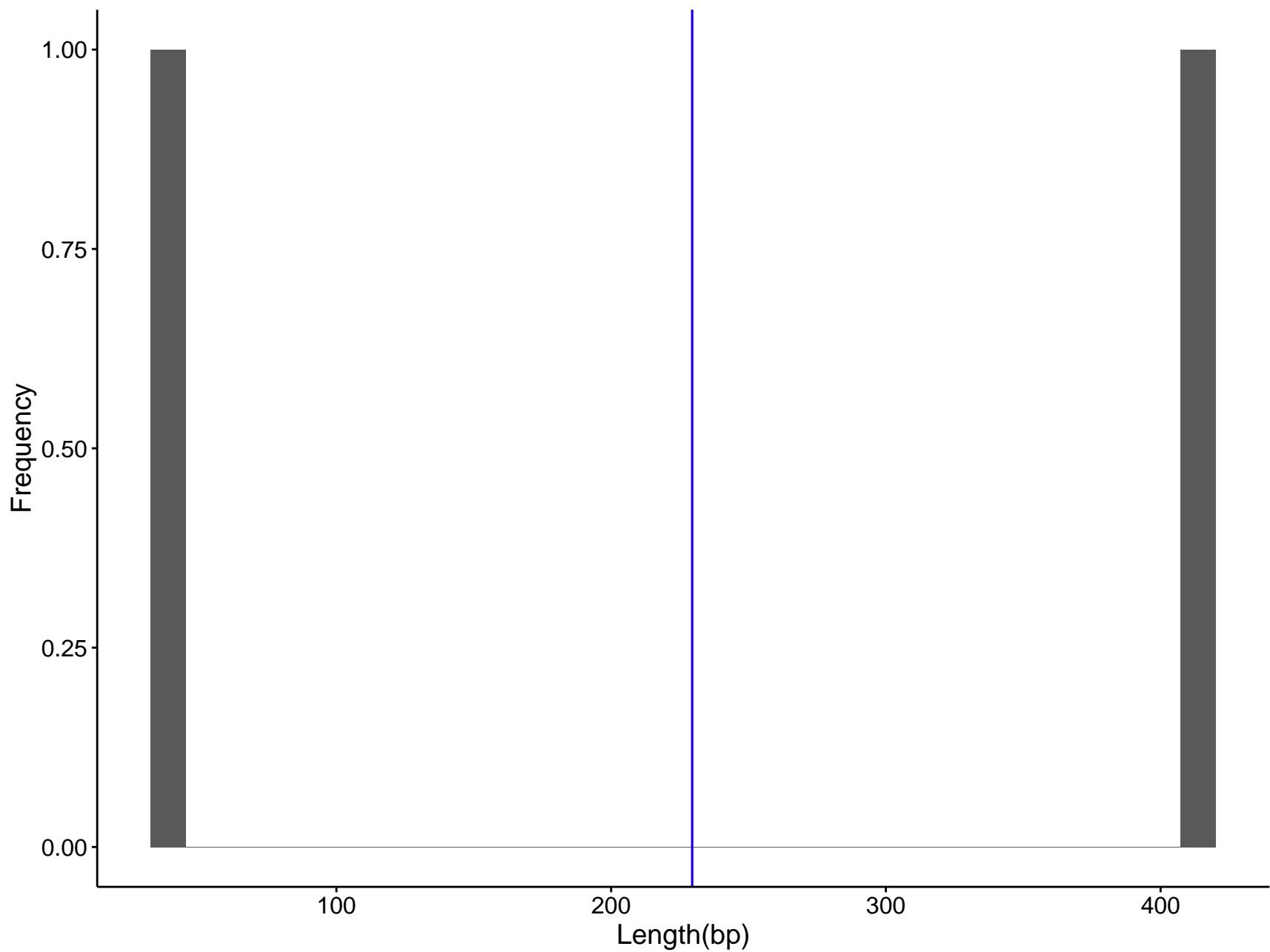
11.025

11.0

Length(bp)



Cluster2543



# Cluster2544

Frequency

374.950

374.975

375.000

375.025

Length(bp)



# Cluster2545

Frequency

81.950

81.975

82.000

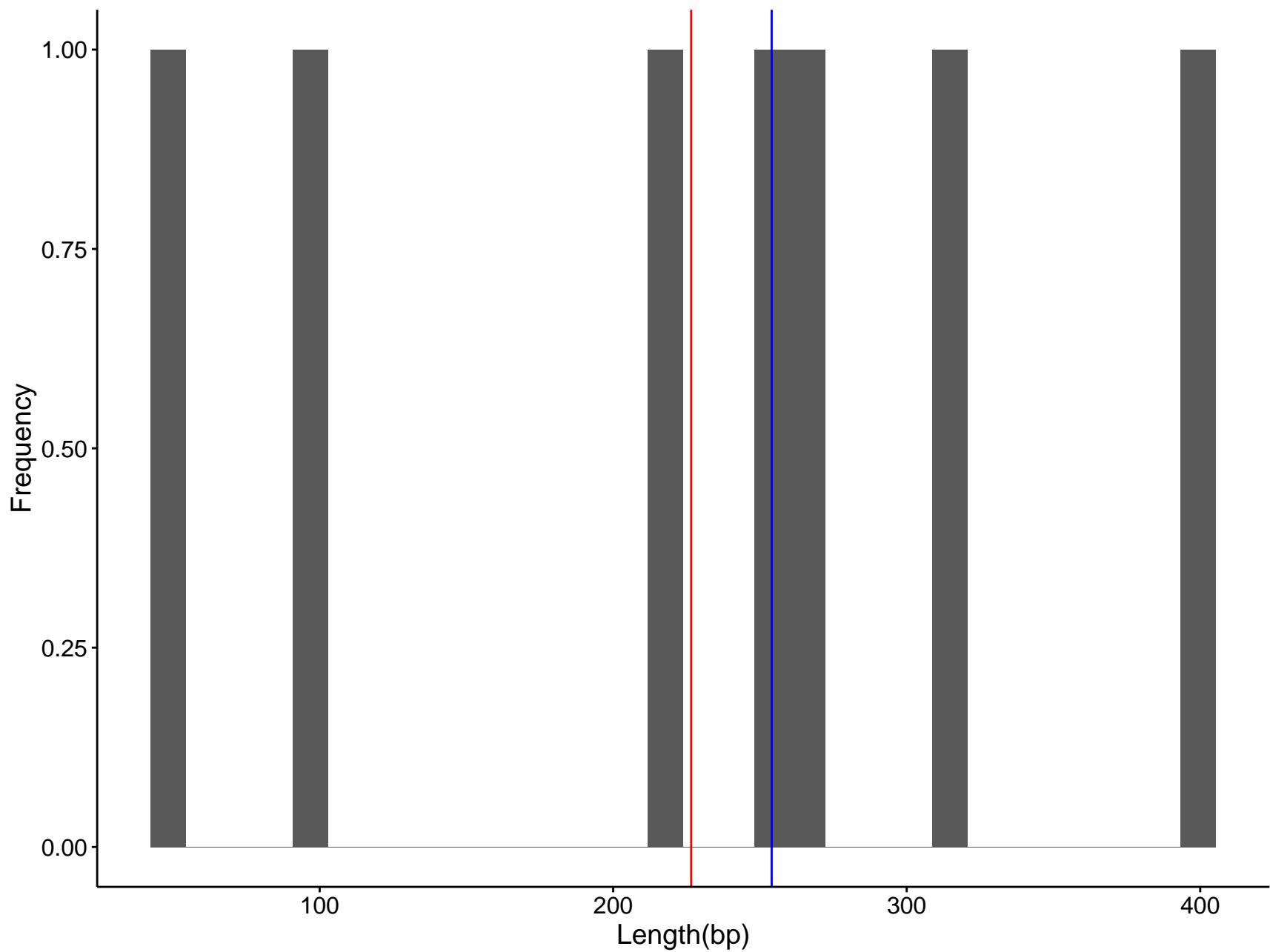
82.025

82.0

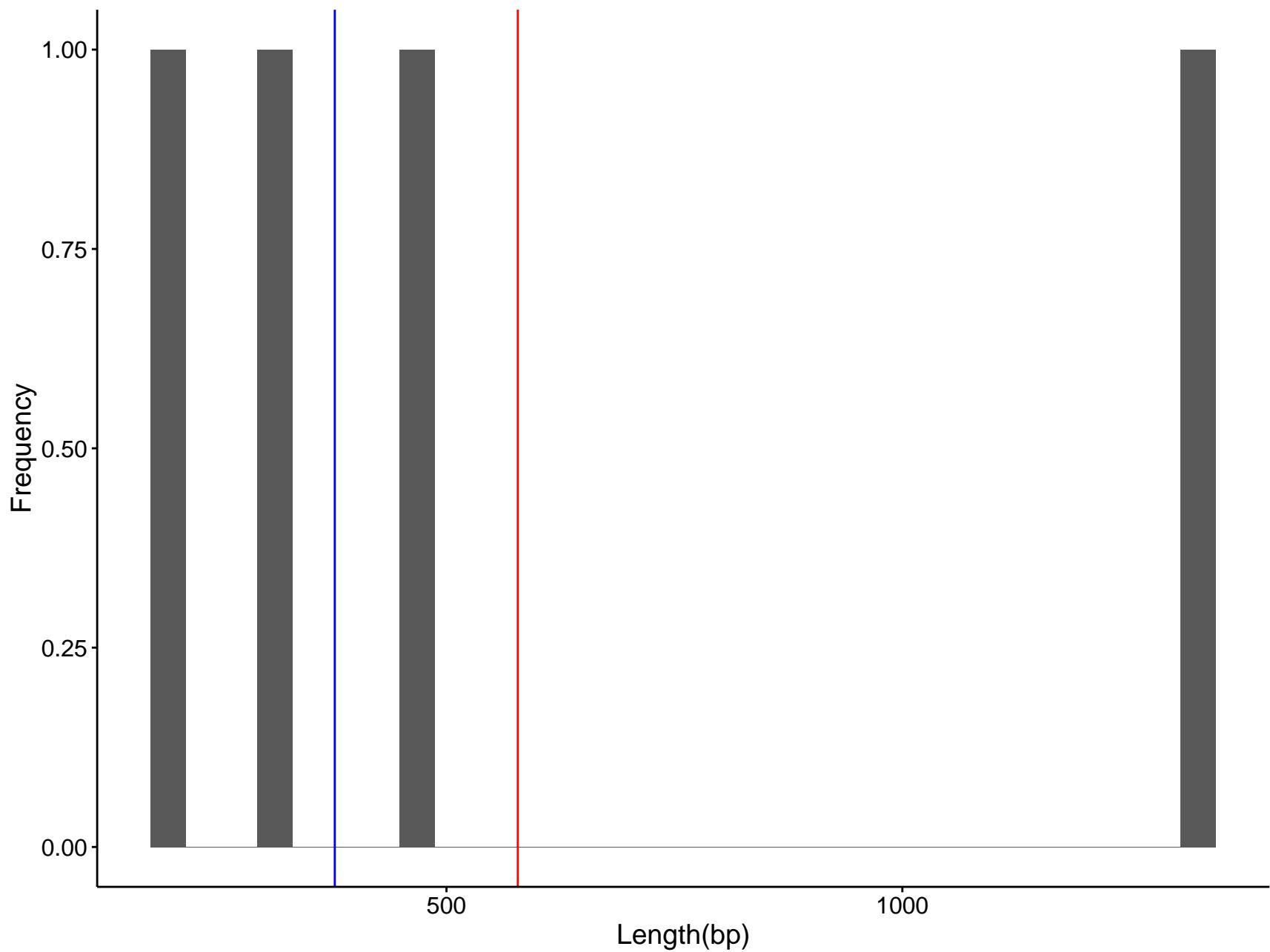
Length(bp)



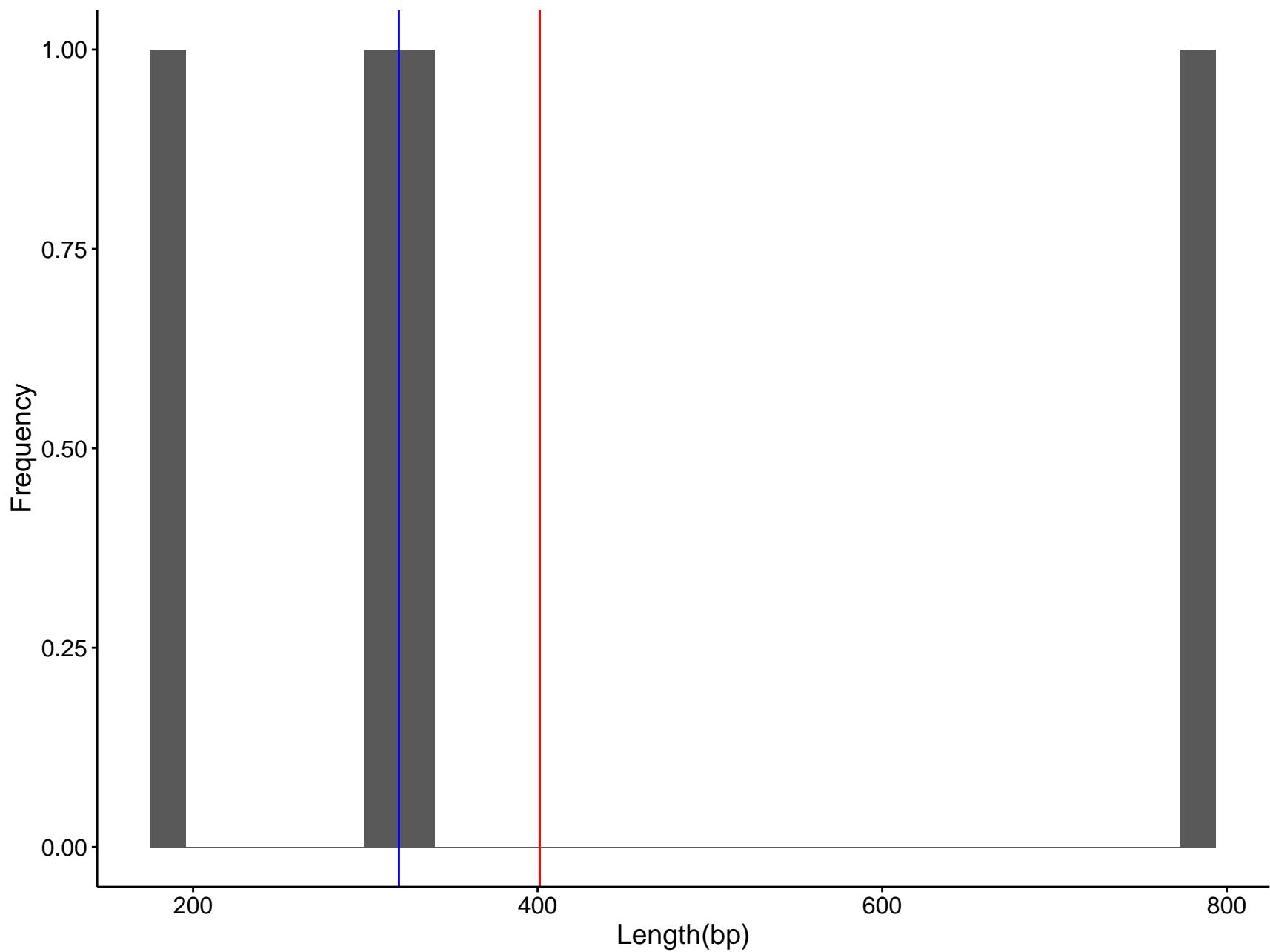
Cluster2546



Cluster2547



Cluster2549



# Cluster254

Frequency

334.950

334.975

335.000

335.025

Length(bp)



# Cluster2550

Frequency

54.950

54.975

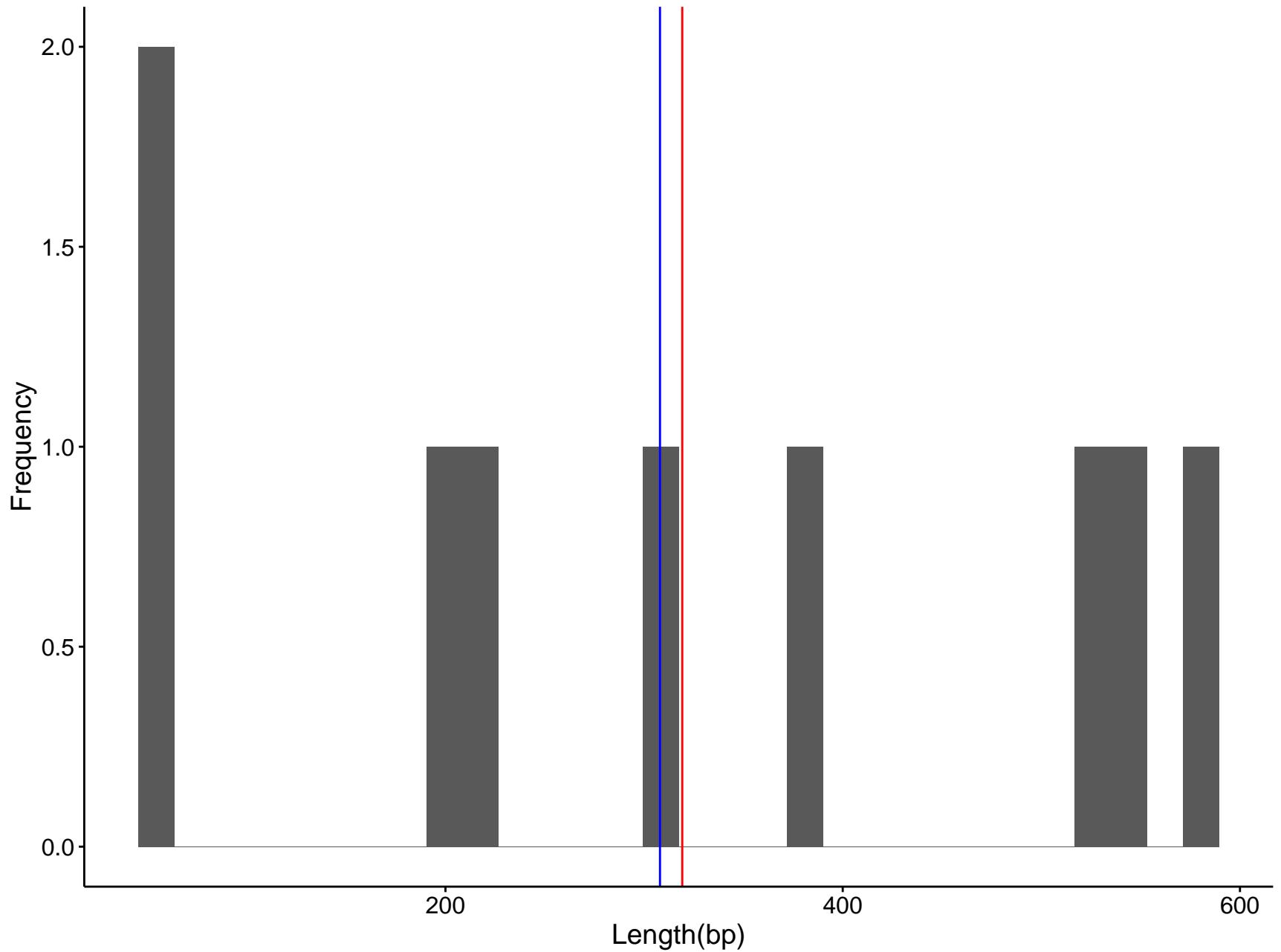
55.000

55.025

Length(bp)



Cluster2551



# Cluster2553

Frequency

342.950

342.975

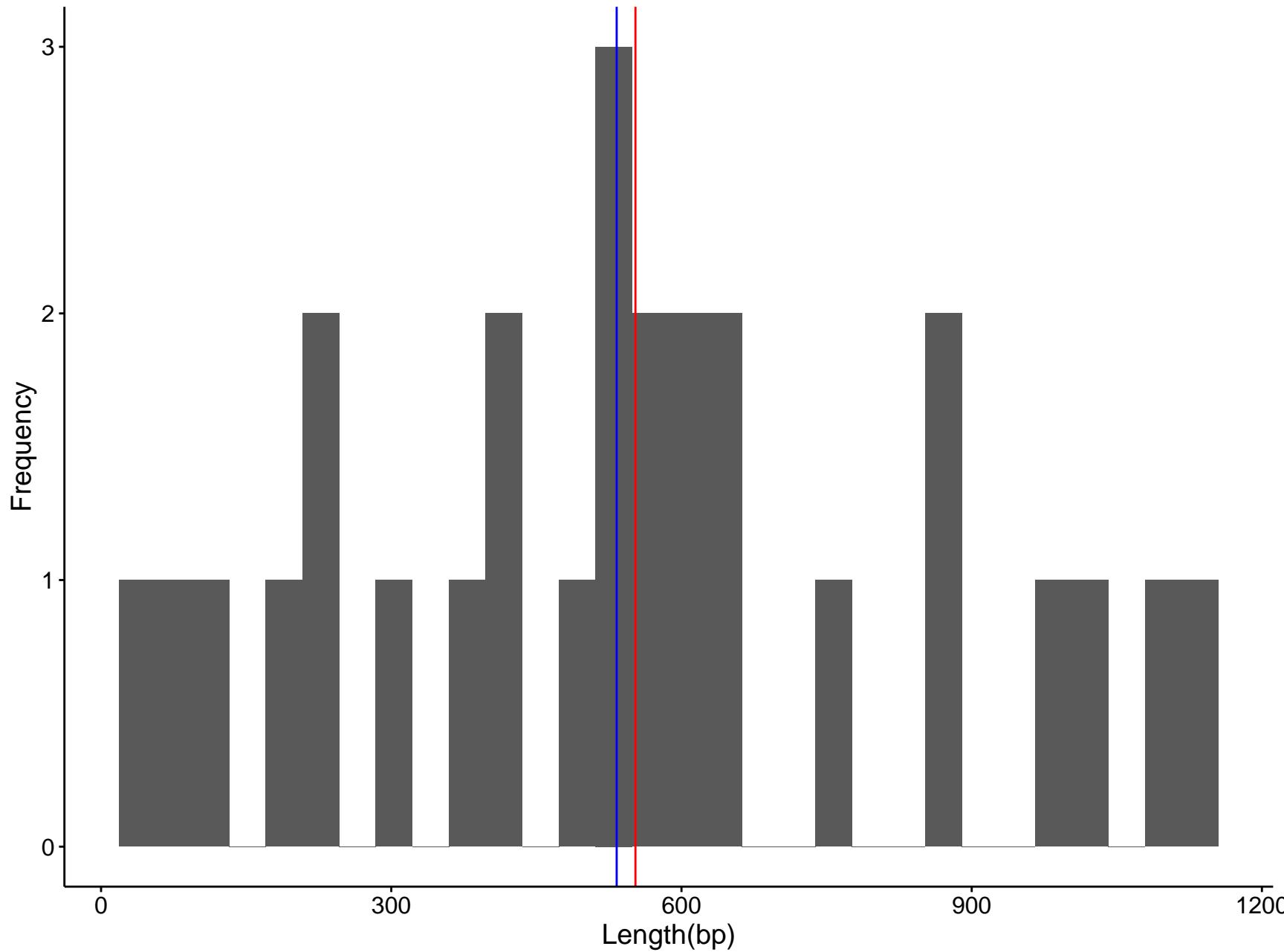
343.000

343.025

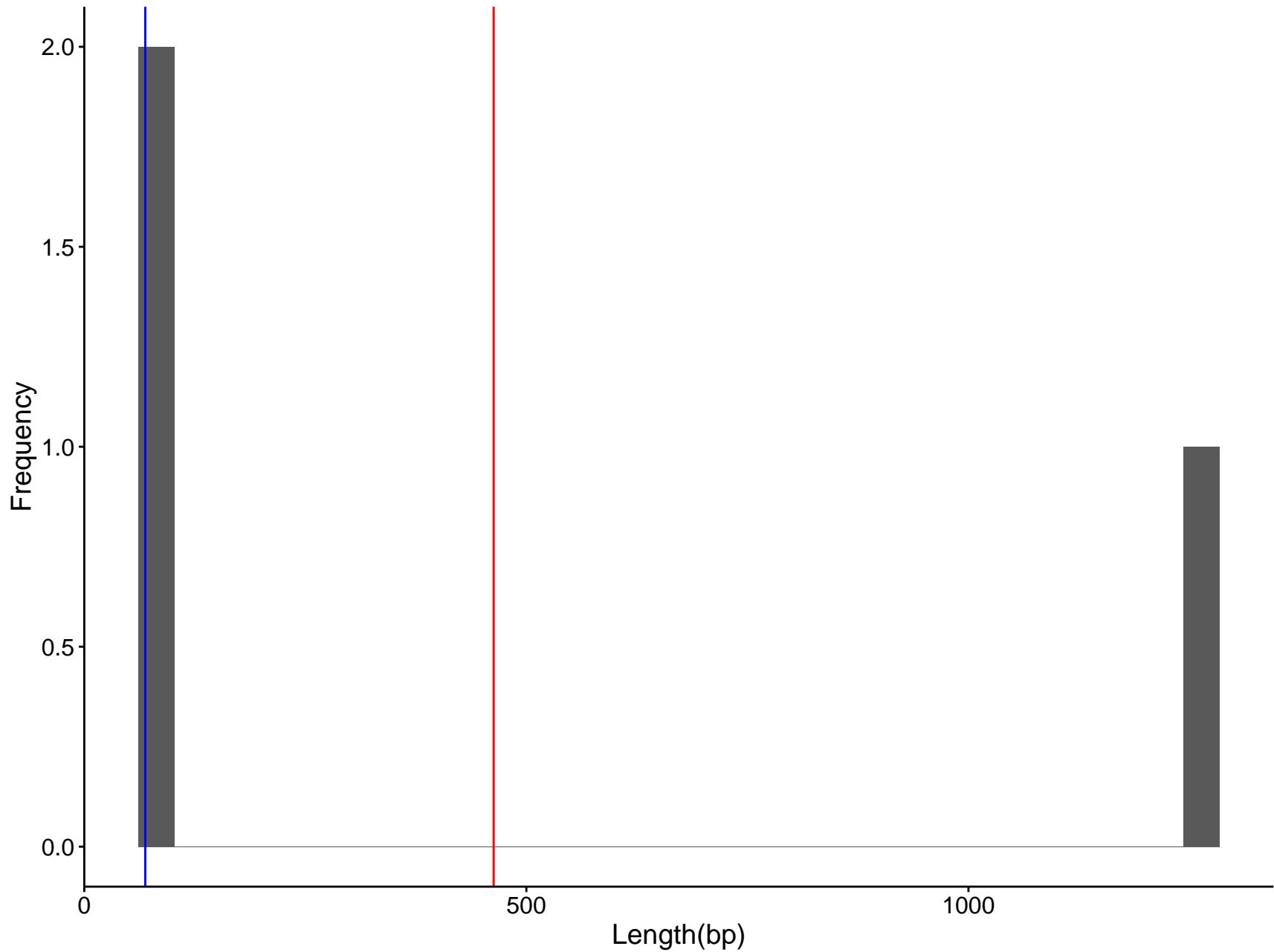
Length(bp)



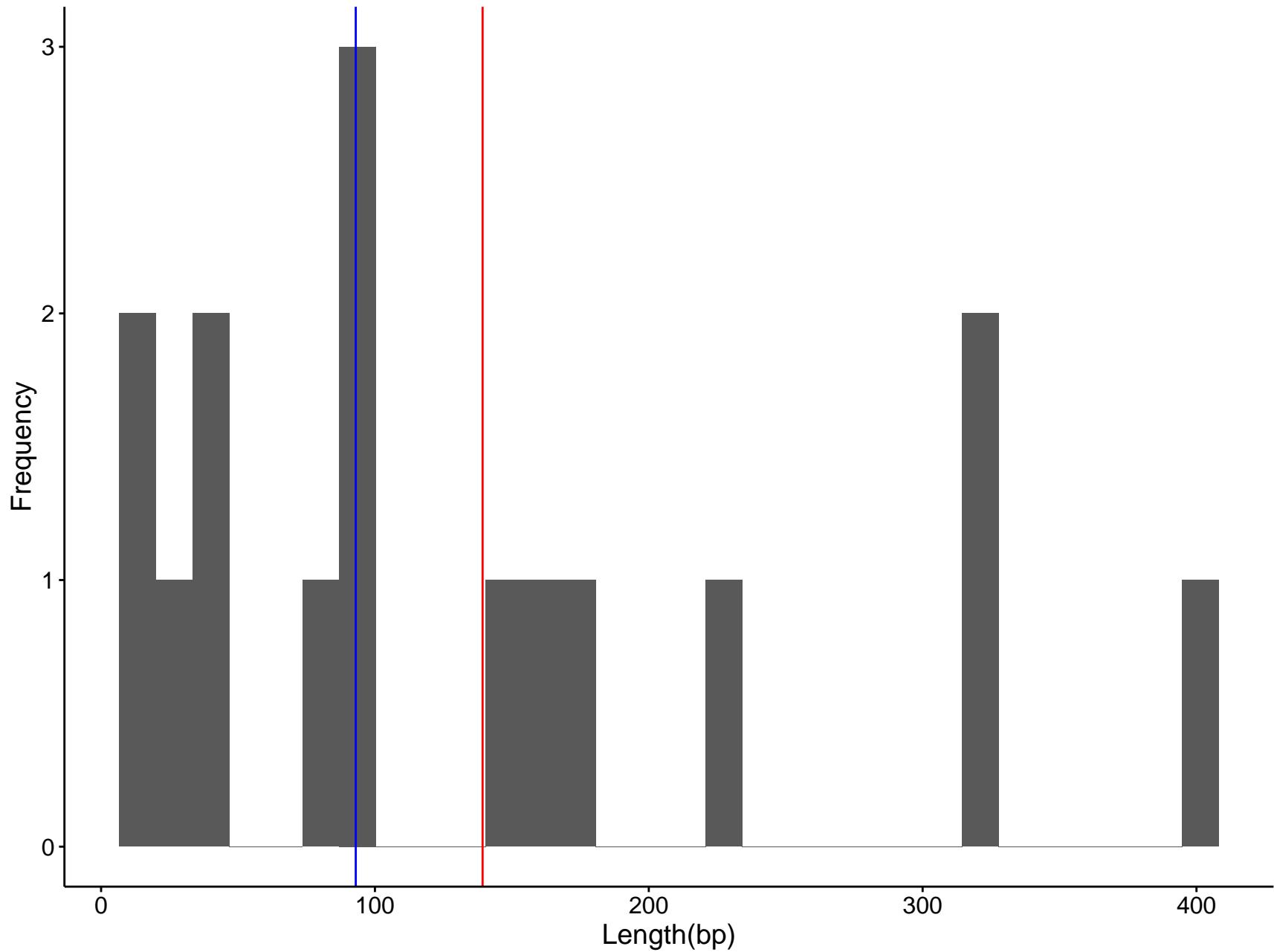
Cluster2554



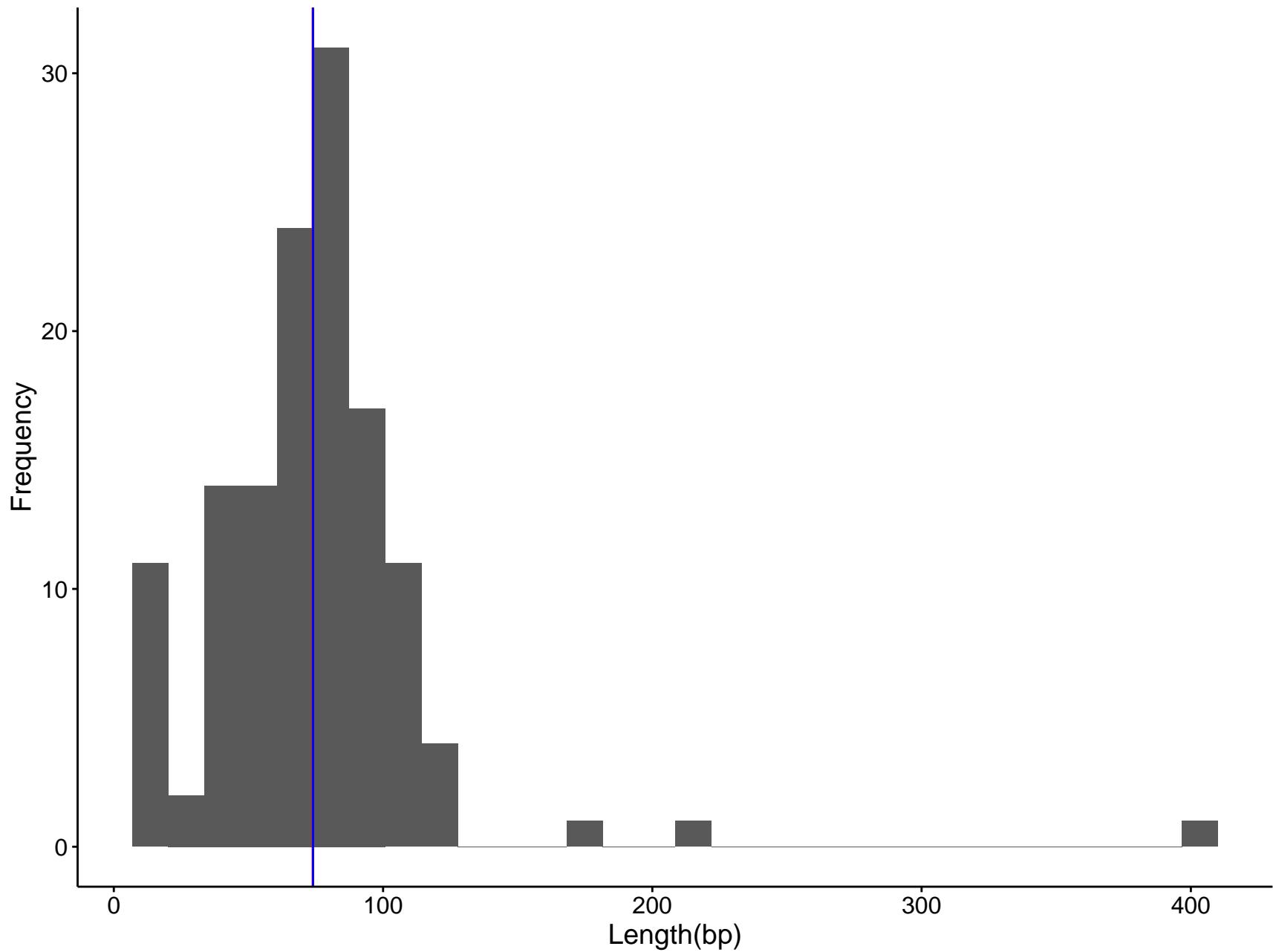
Cluster2557



Cluster2558



Cluster2559



# Cluster255

Frequency

101.950

101.975

102.000

102.025

102.050

Length(bp)



Cluster2560

Frequency

853.950

853.975

854.000

854.025

Length(bp)



# Cluster2561

Frequency

234.950

234.975

235.000

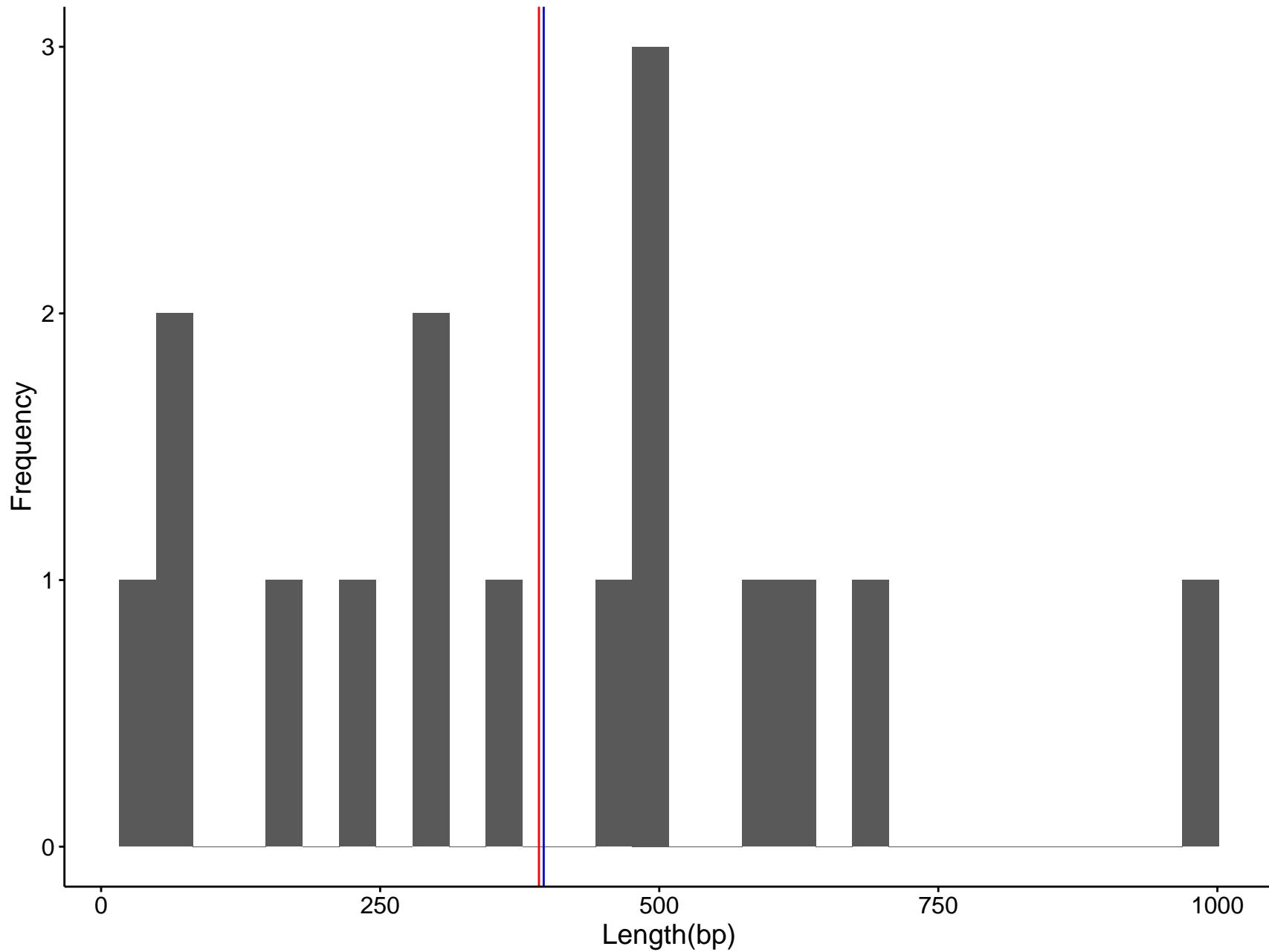
235.025

235.050

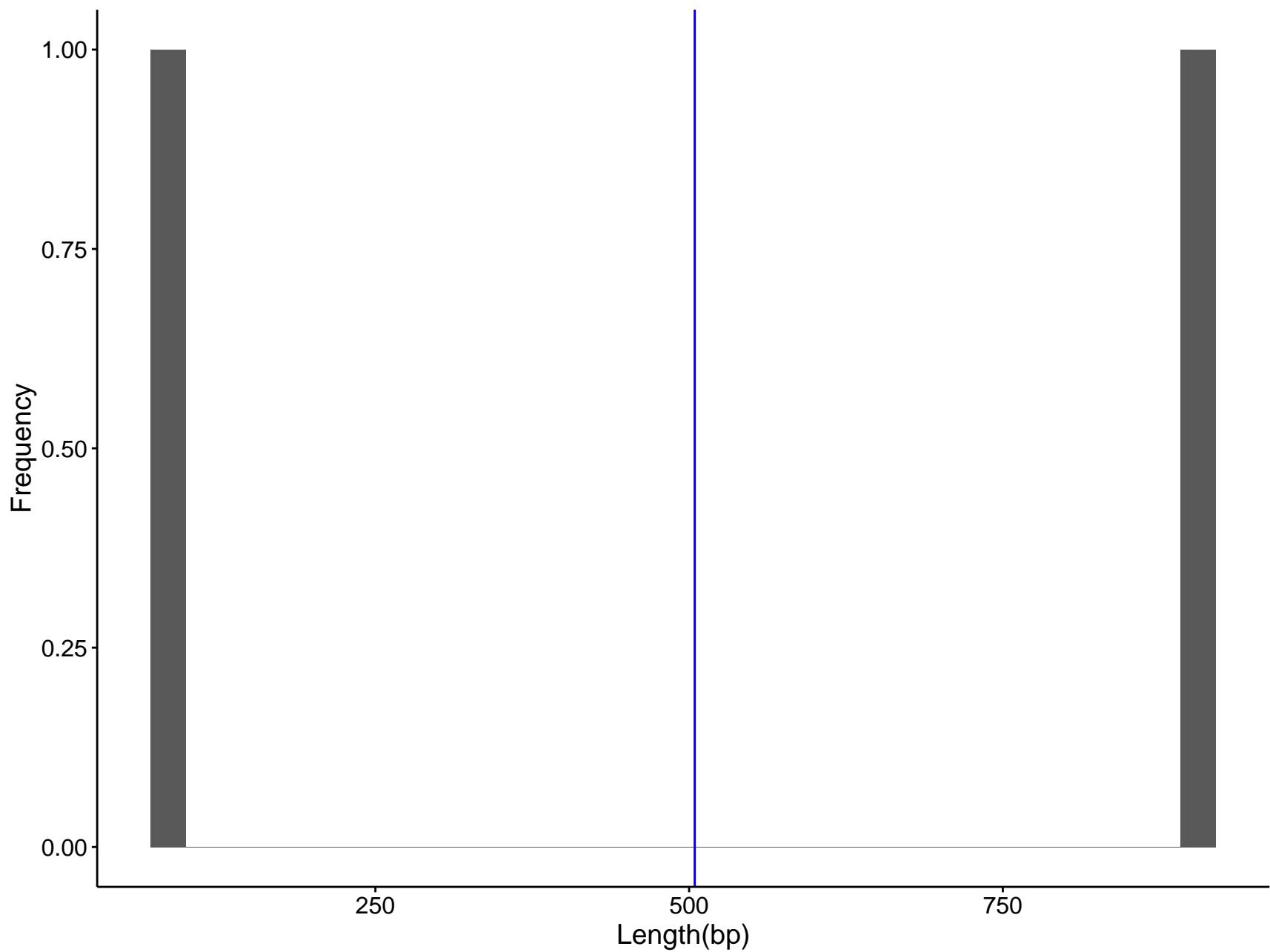
Length(bp)



Cluster2562



Cluster2563



# Cluster2564

Frequency

378.950

378.975

379.000

379.025

Length(bp)



Cluster2565

Frequency

397.950

397.975

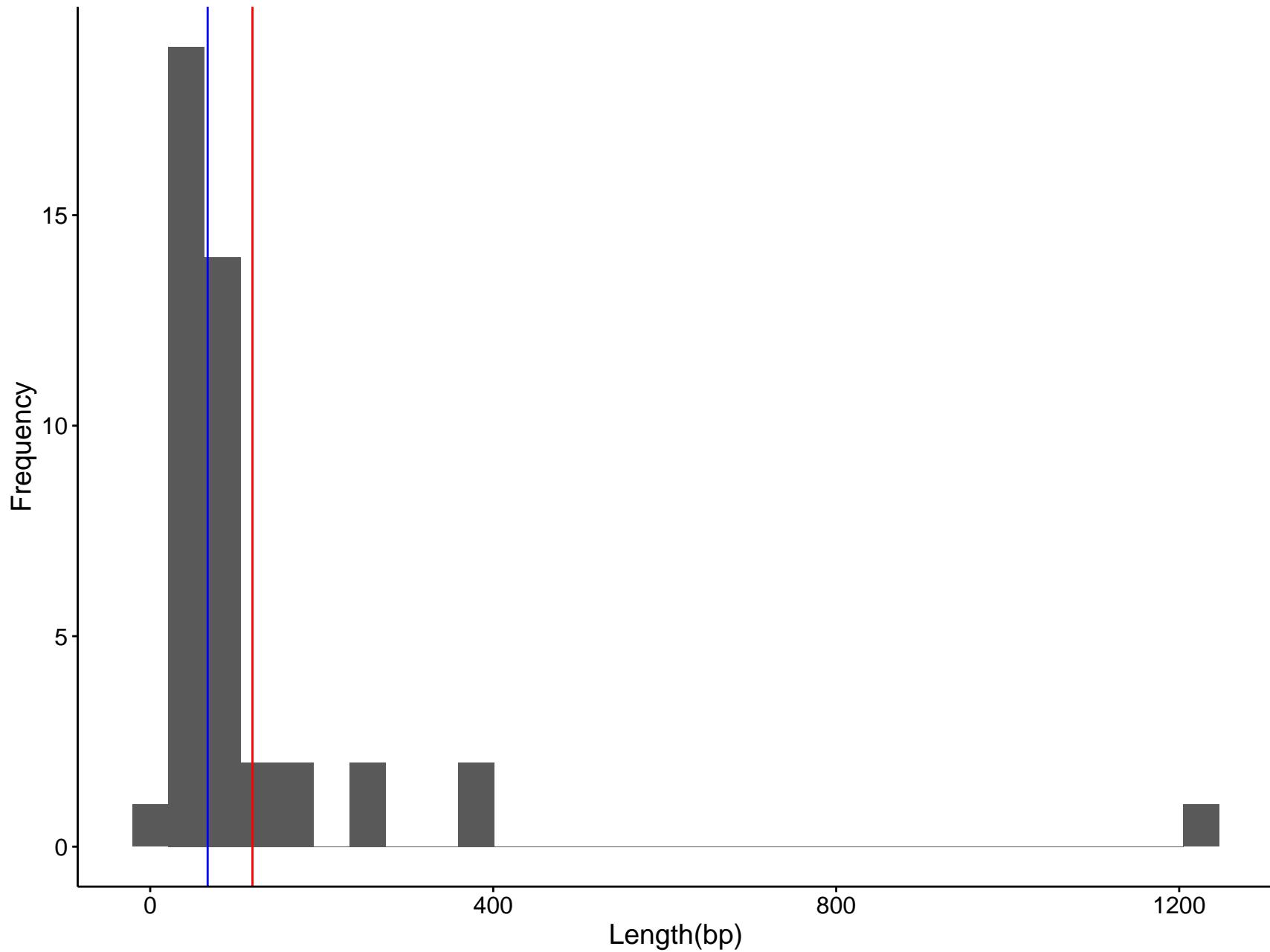
398.000

398.025

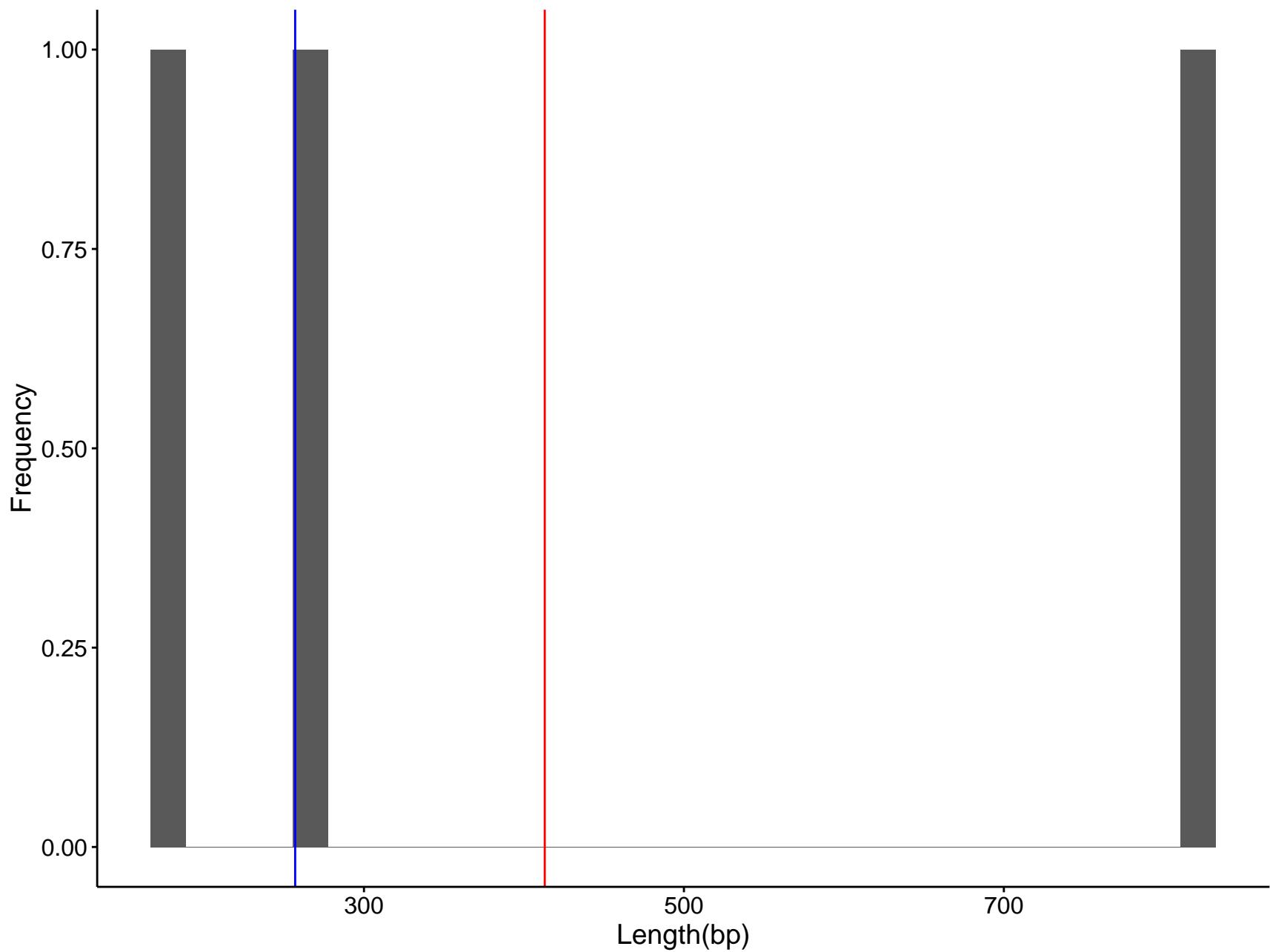
Length(bp)



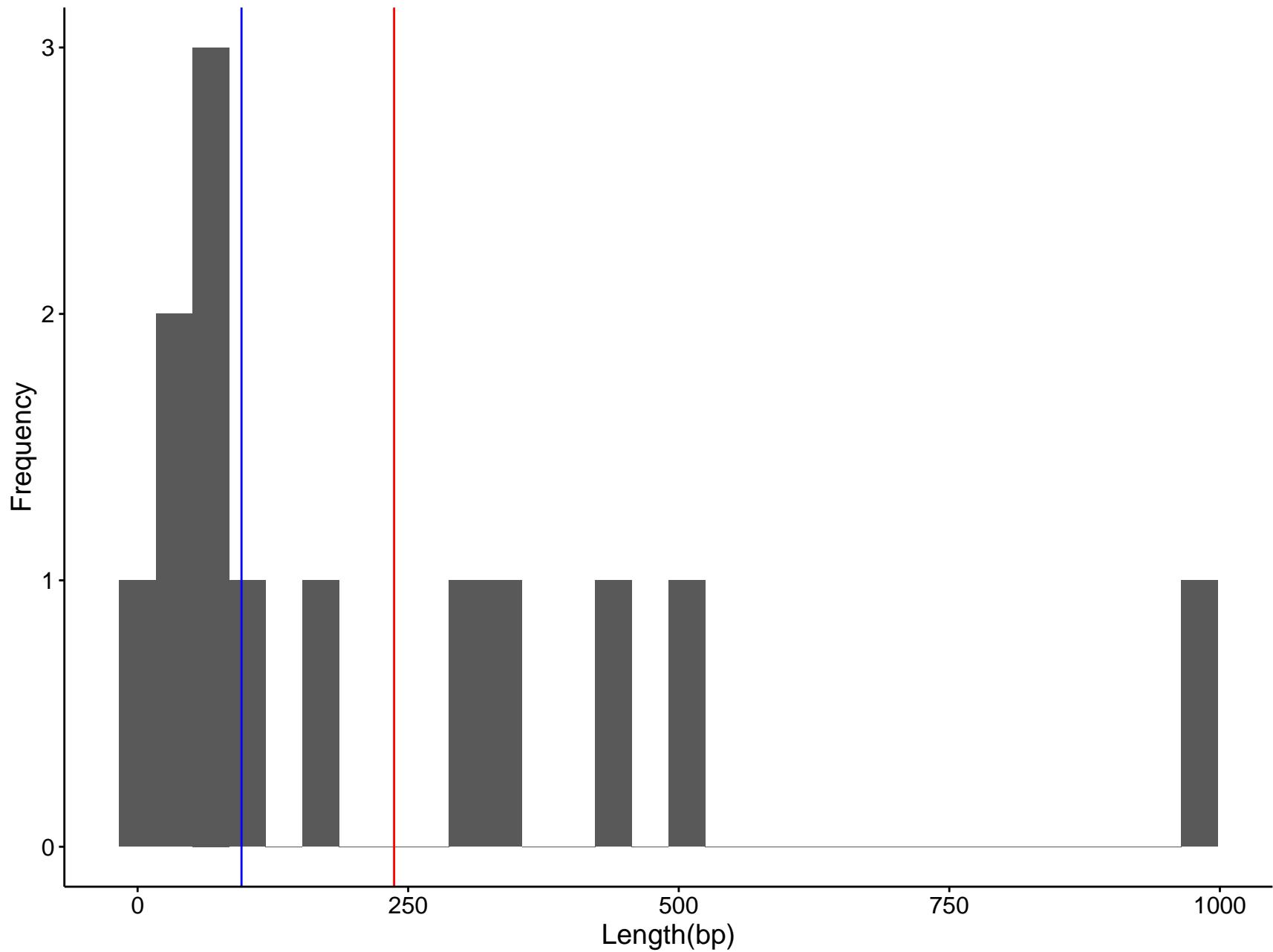
Cluster2567



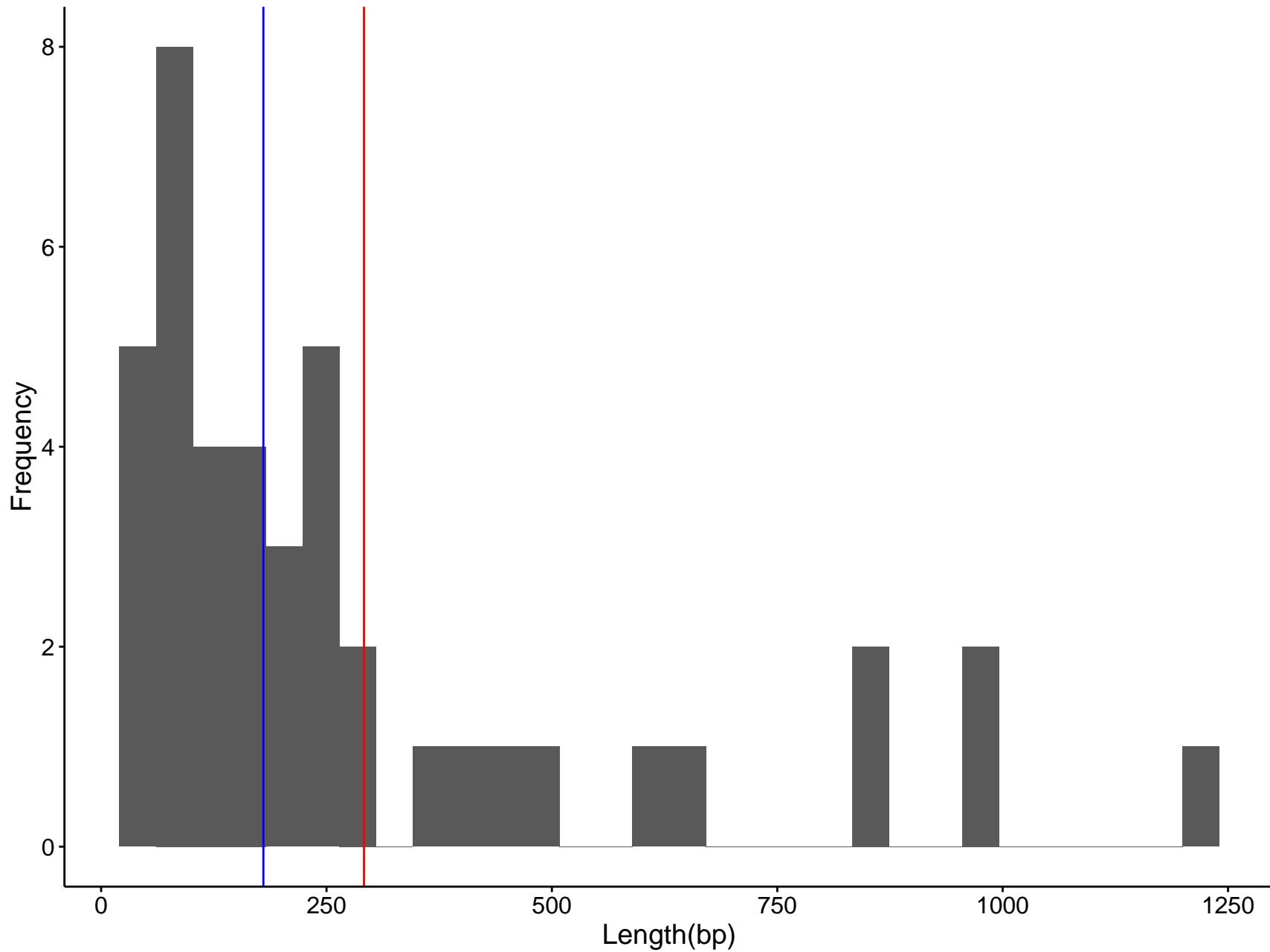
Cluster2568



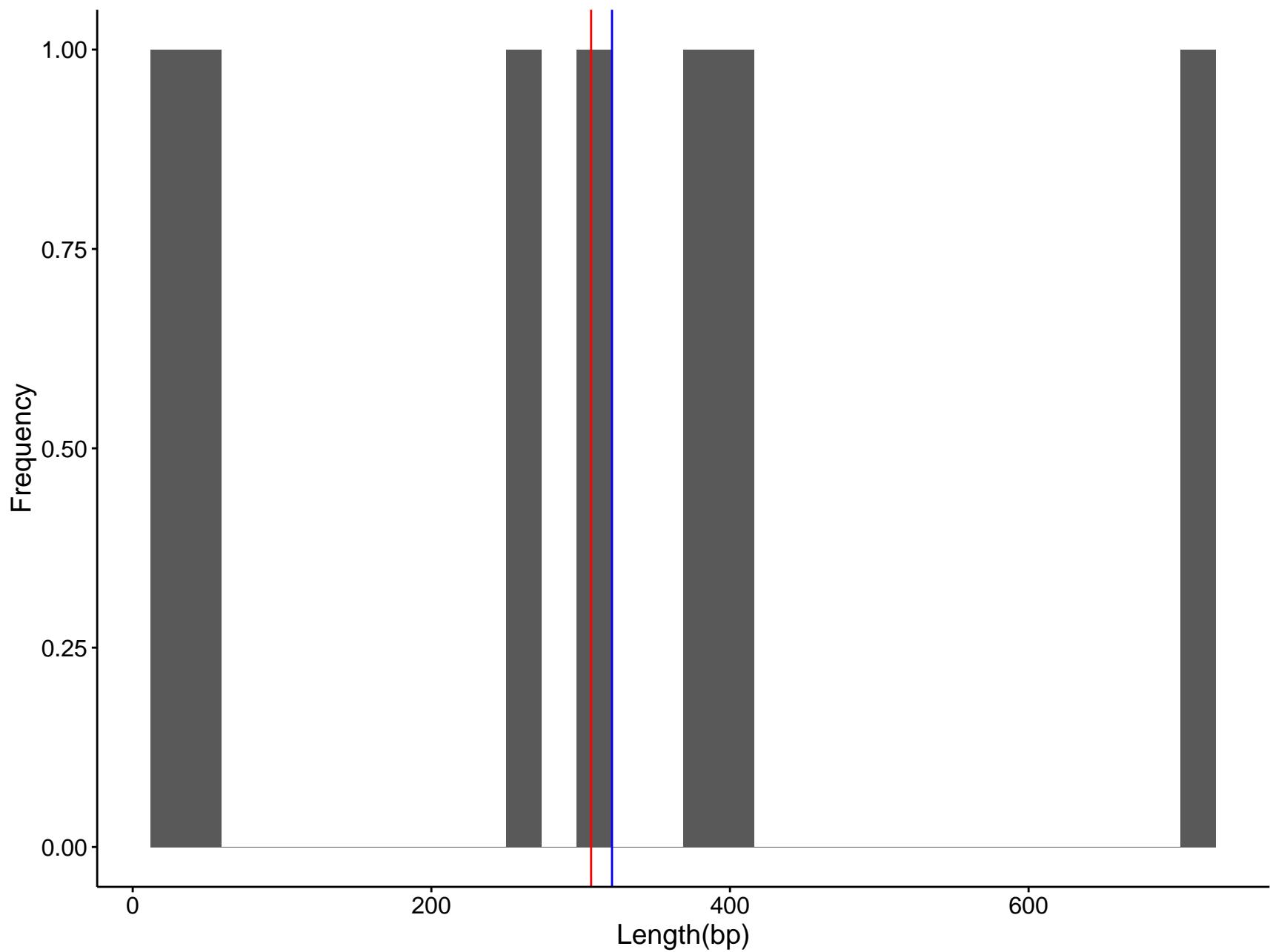
Cluster2569



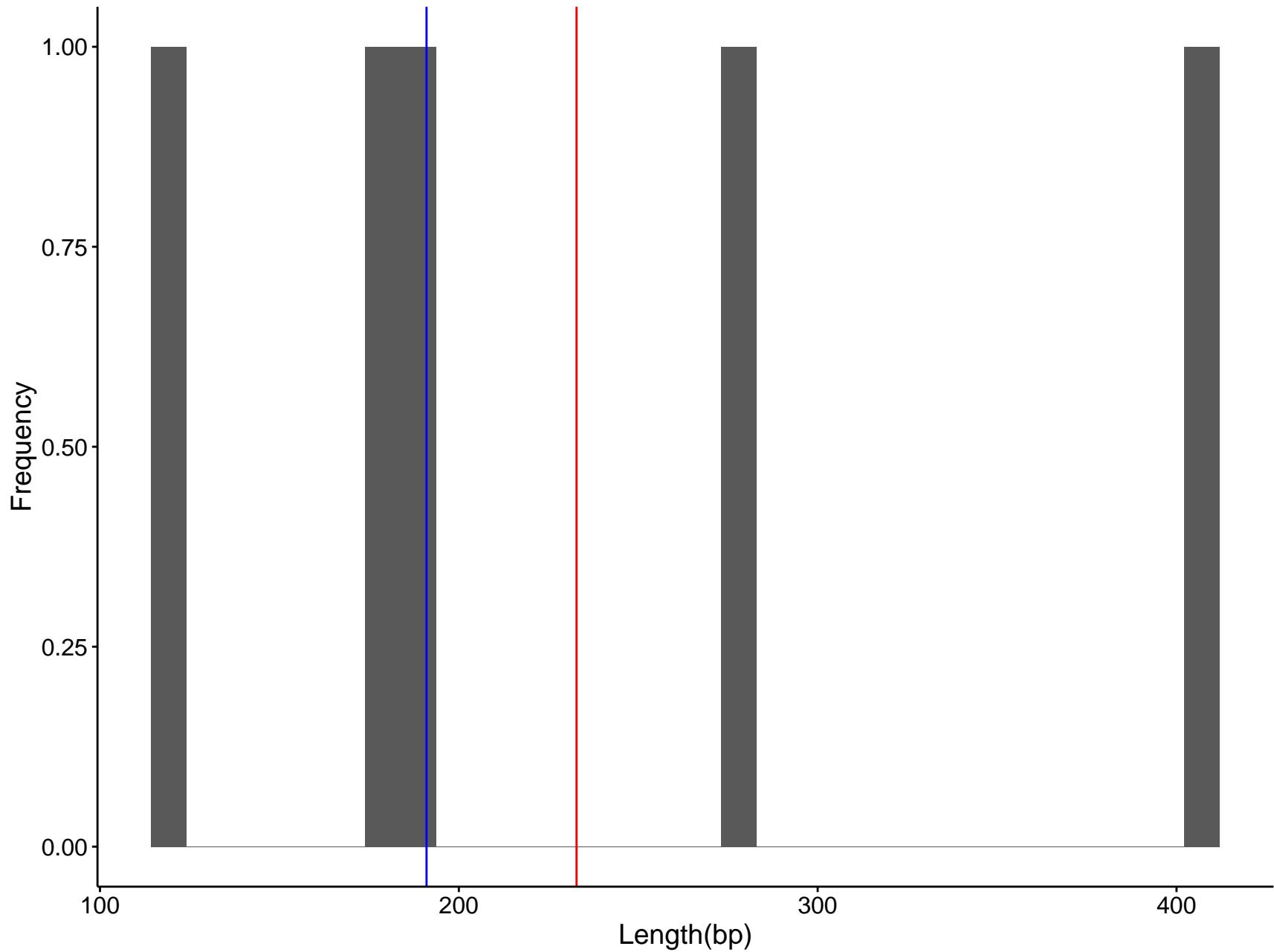
Cluster256



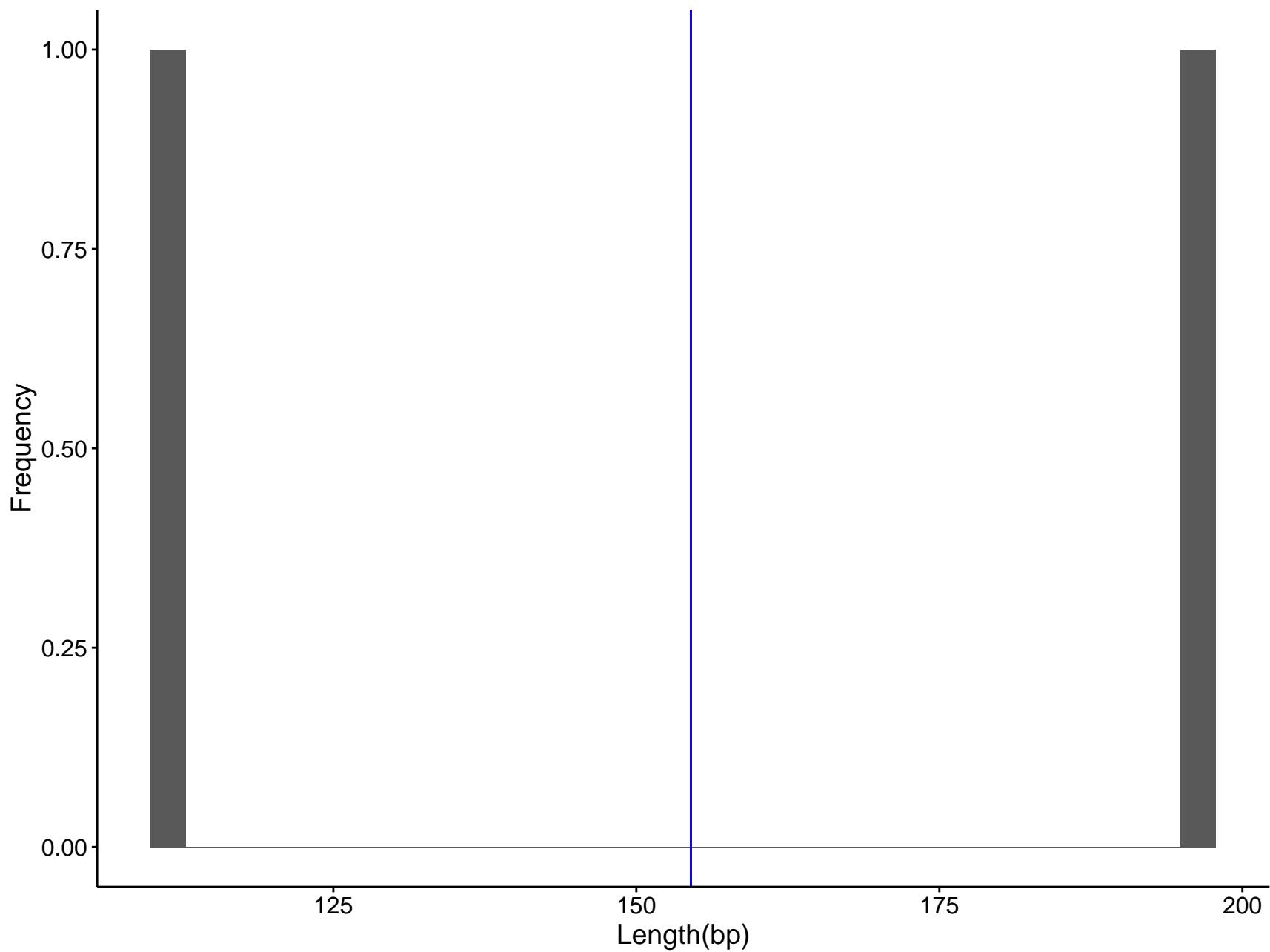
Cluster2570



Cluster2571



Cluster2572



# Cluster2574

Frequency

335.950

335.975

336.000

336.025

Length(bp)



# Cluster2575

Frequency

711.950

711.975

712.000

712.025

Length(bp)



# Cluster2576

Frequency

1041.950

1041.975

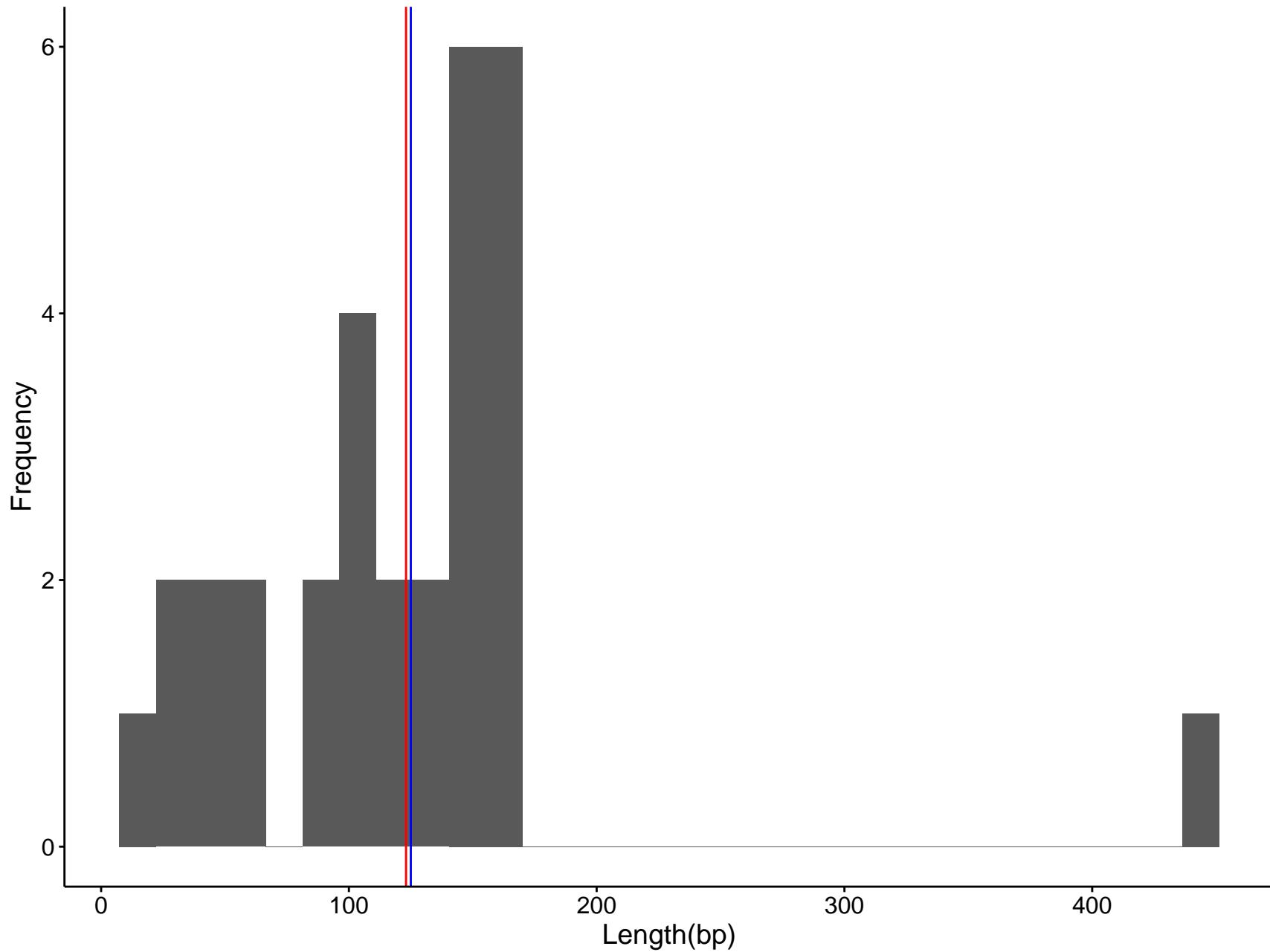
1042.000  
Length(bp)

1042.025

1042.



Cluster2577



# Cluster2579

Frequency

865.950

865.975

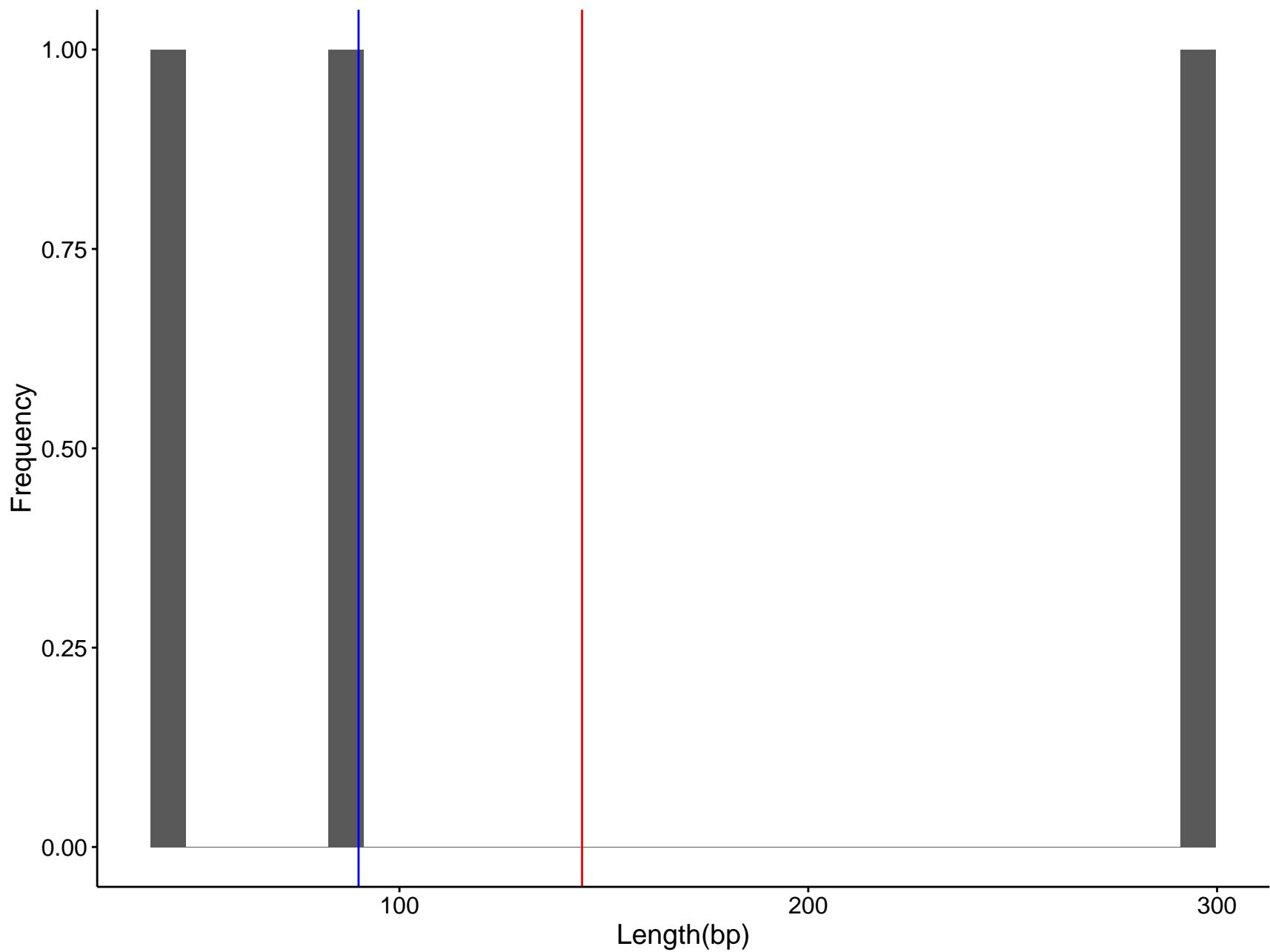
866.000

866.025

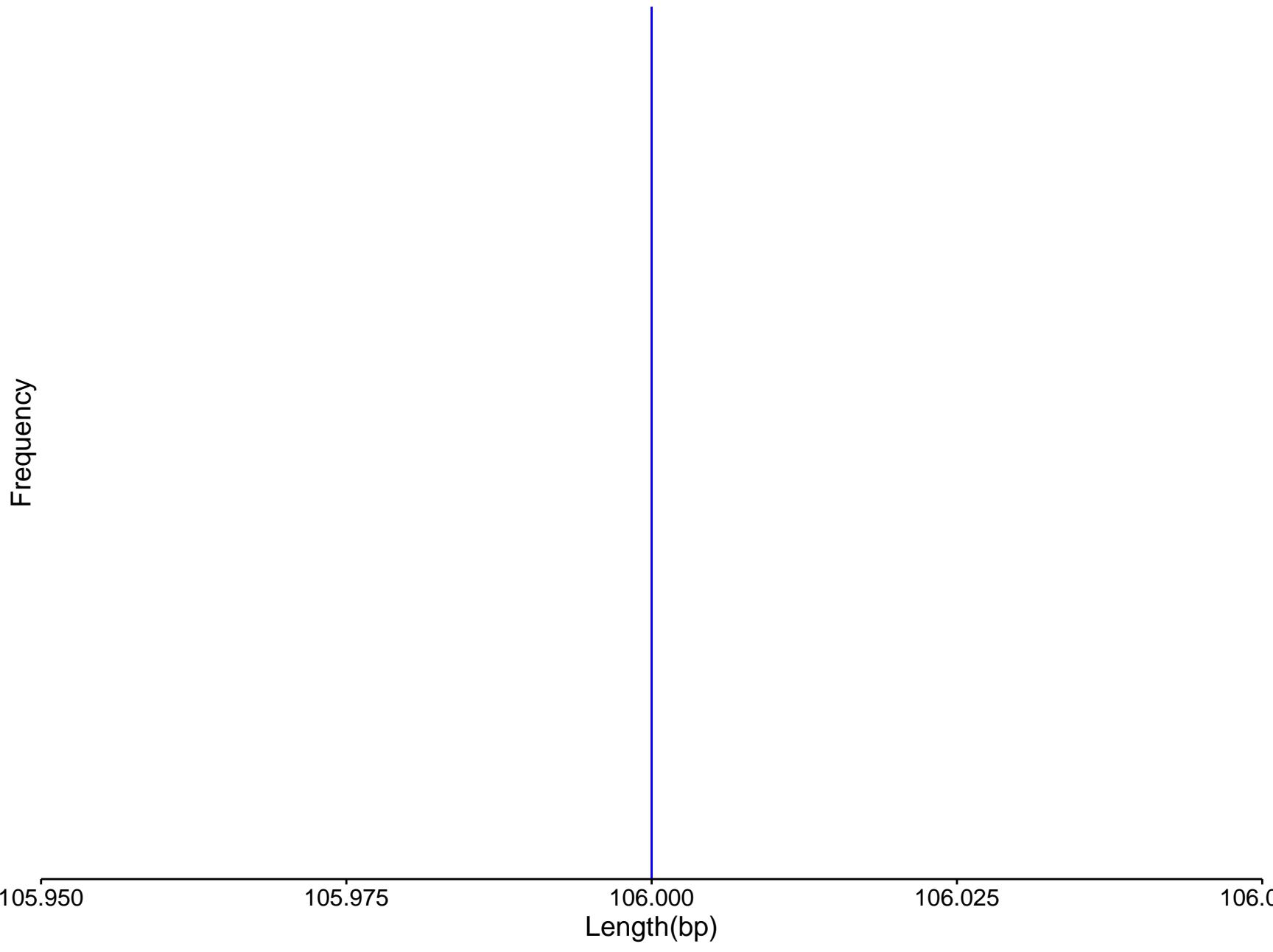
Length(bp)



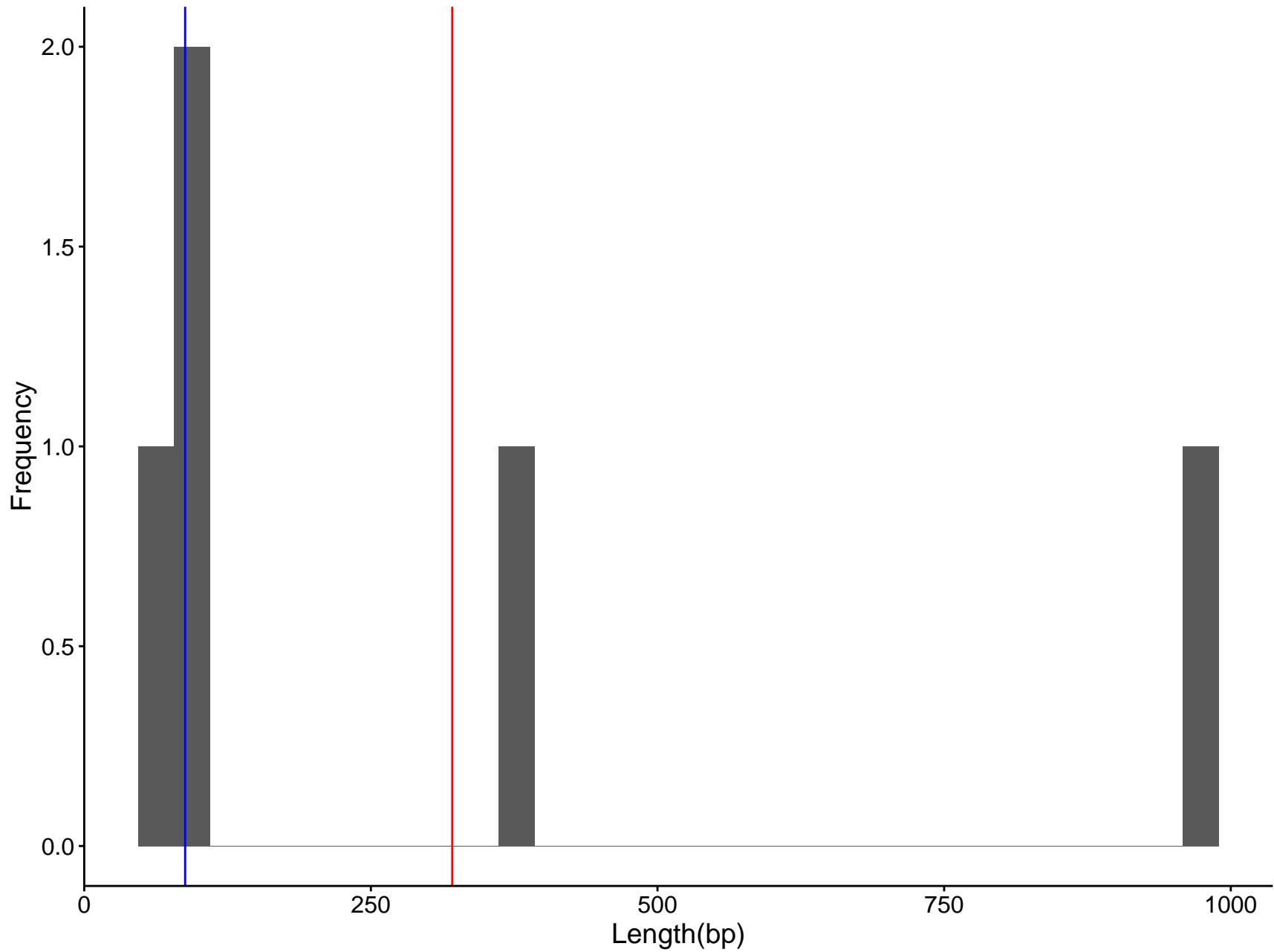
Cluster2580



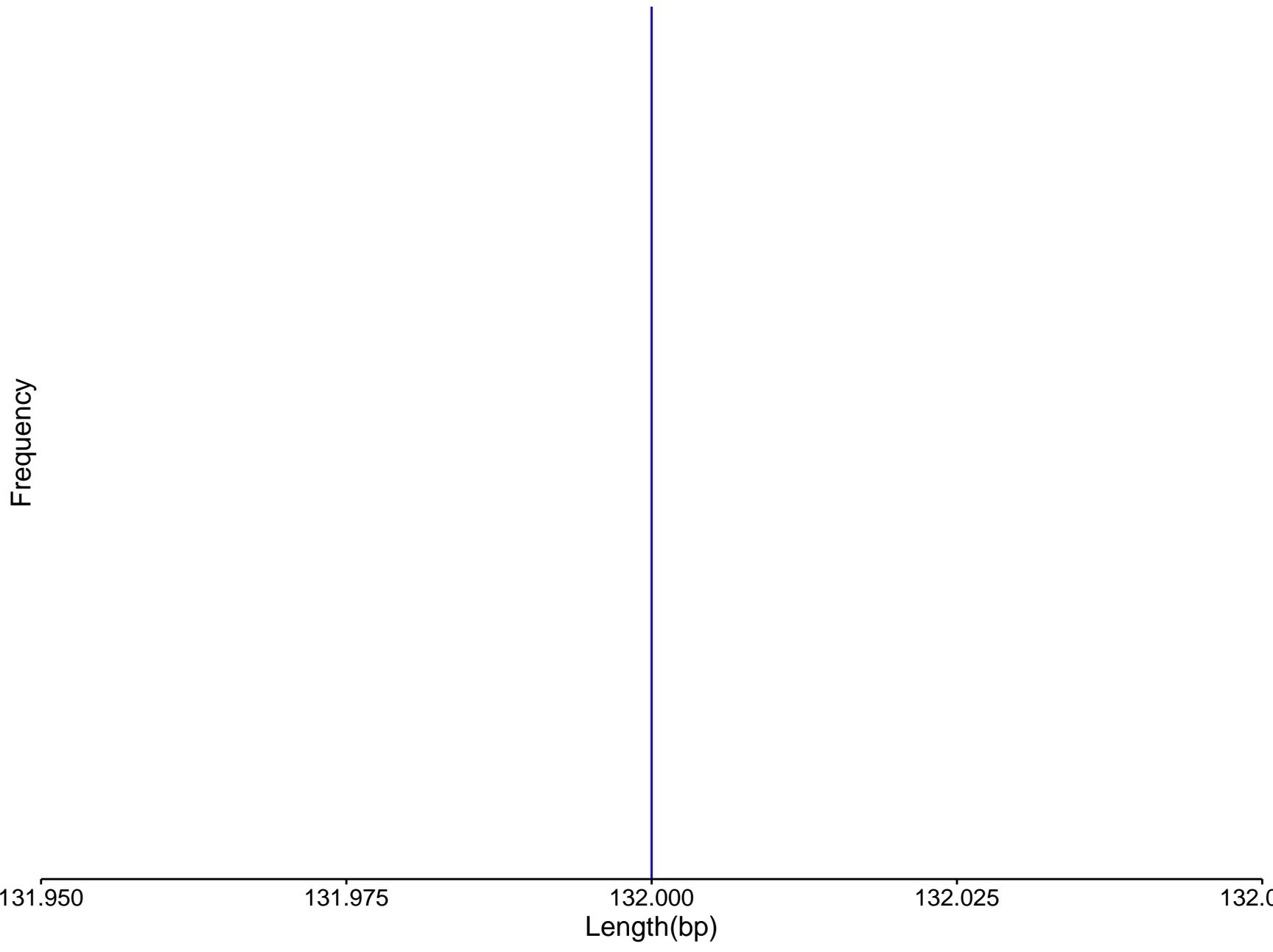
# Cluster2581



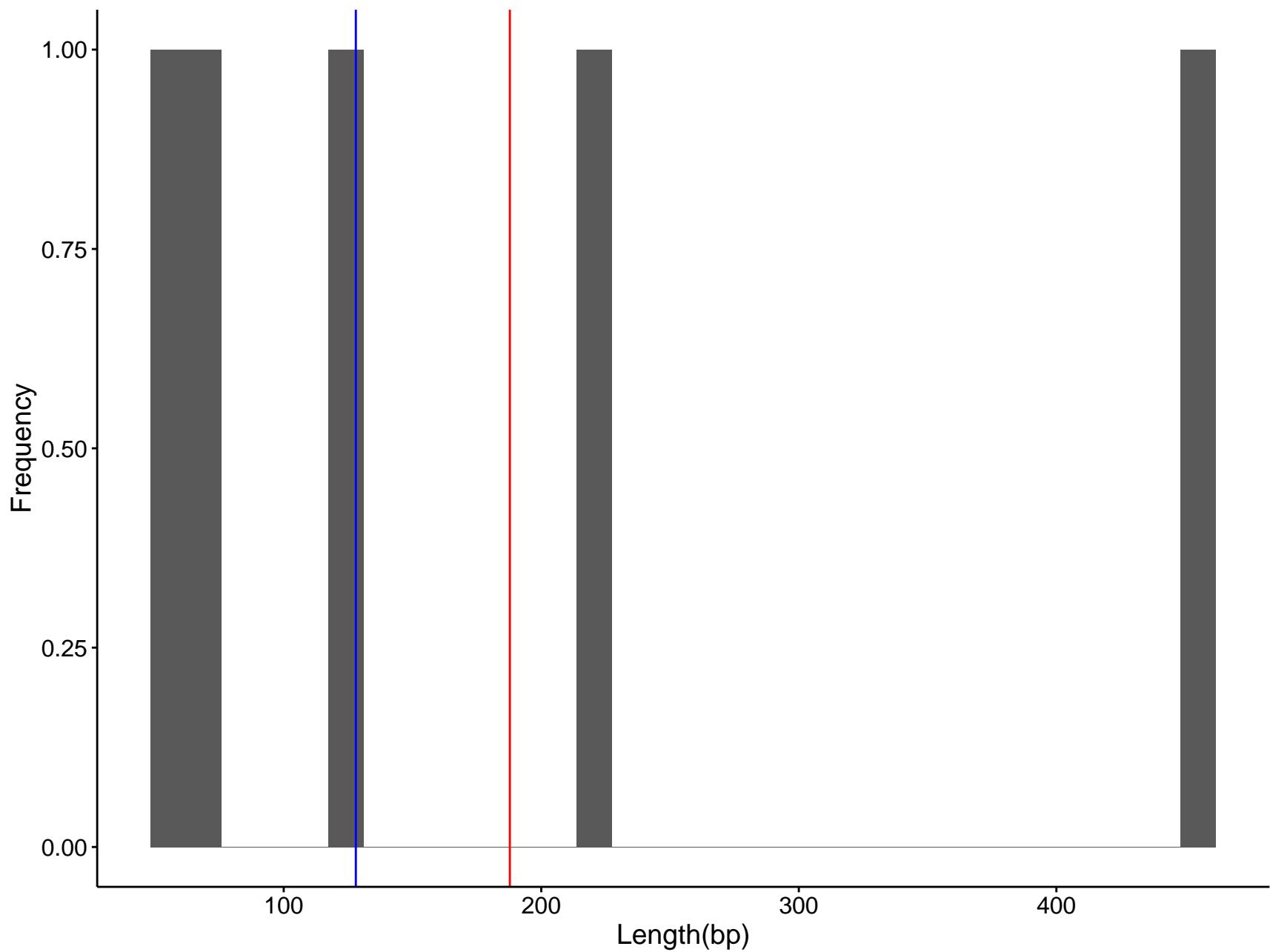
Cluster2583



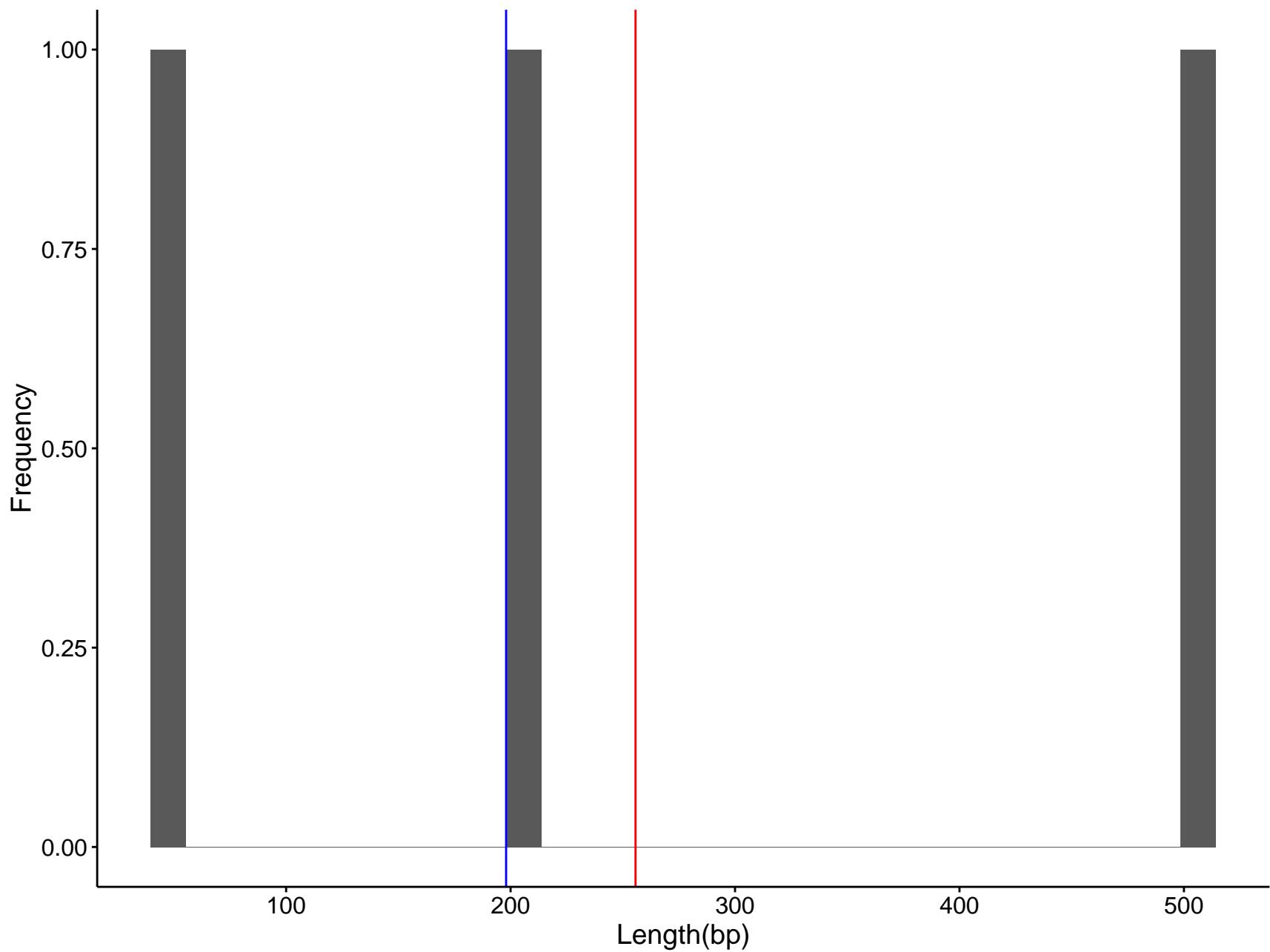
# Cluster2584



Cluster2585



Cluster2587



Cluster2589

Frequency

955.950

955.975

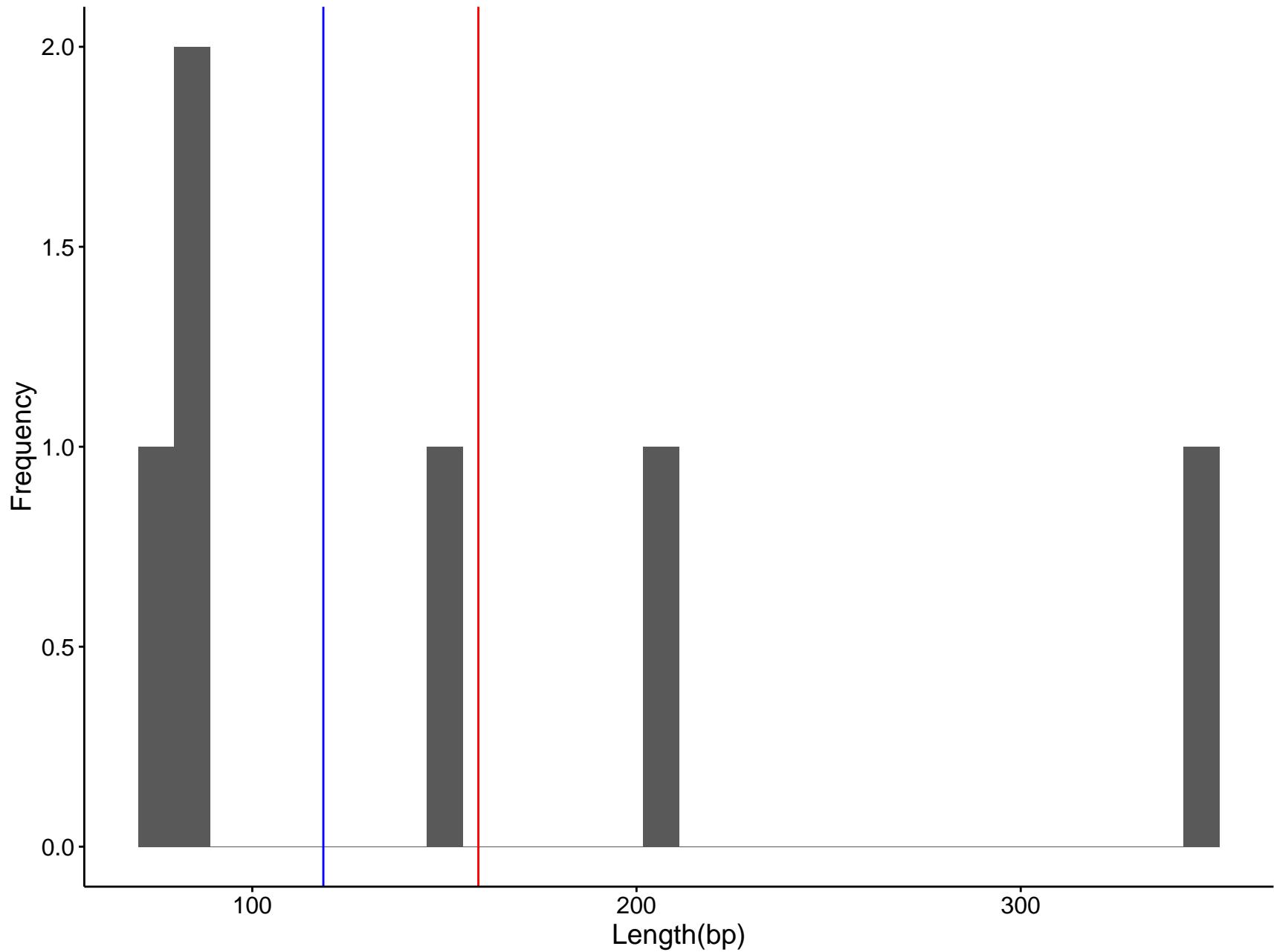
956.000

956.025

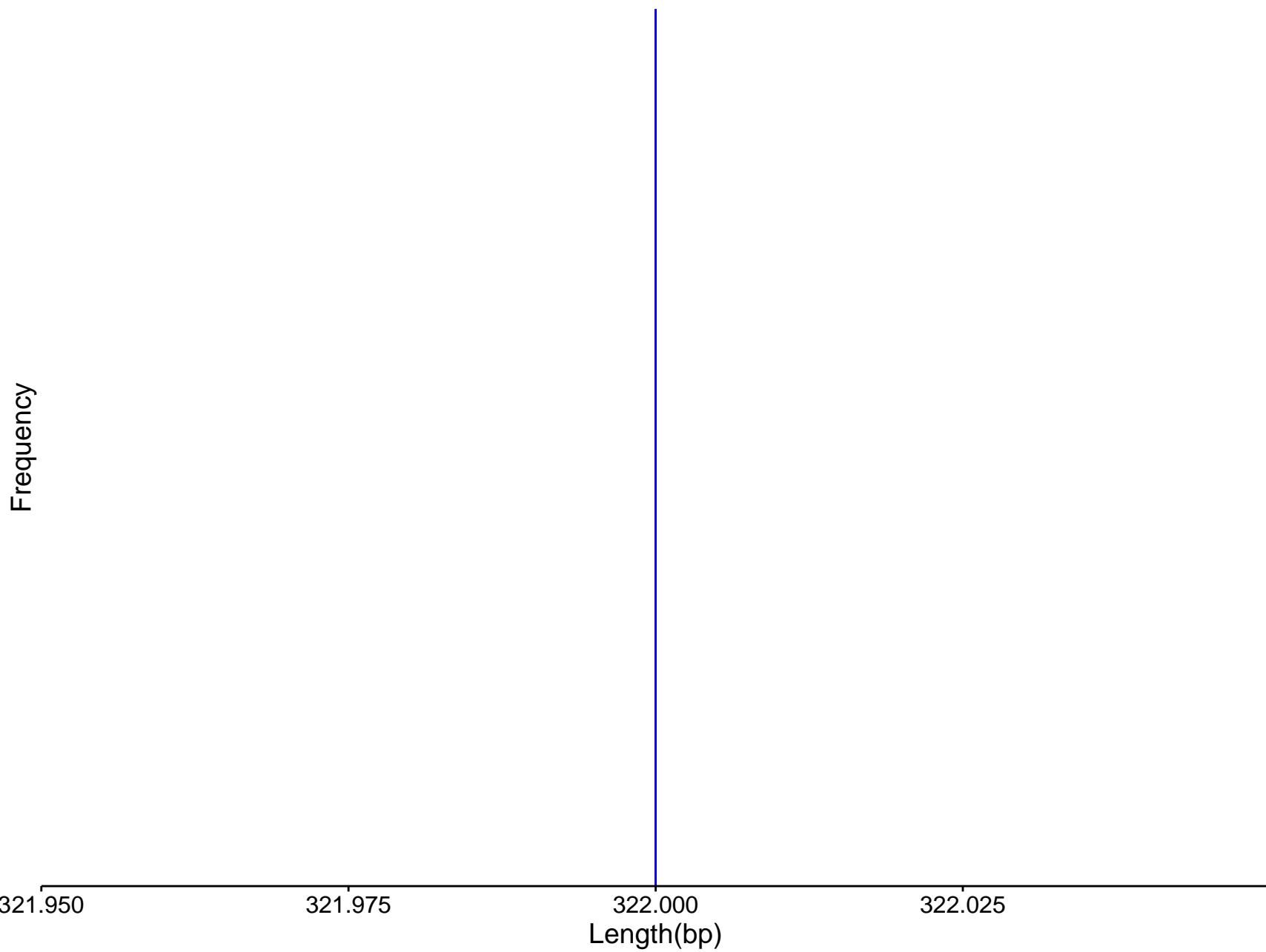
Length(bp)



Cluster258



# Cluster2591



# Cluster2592

Frequency

261.950

261.975

262.000

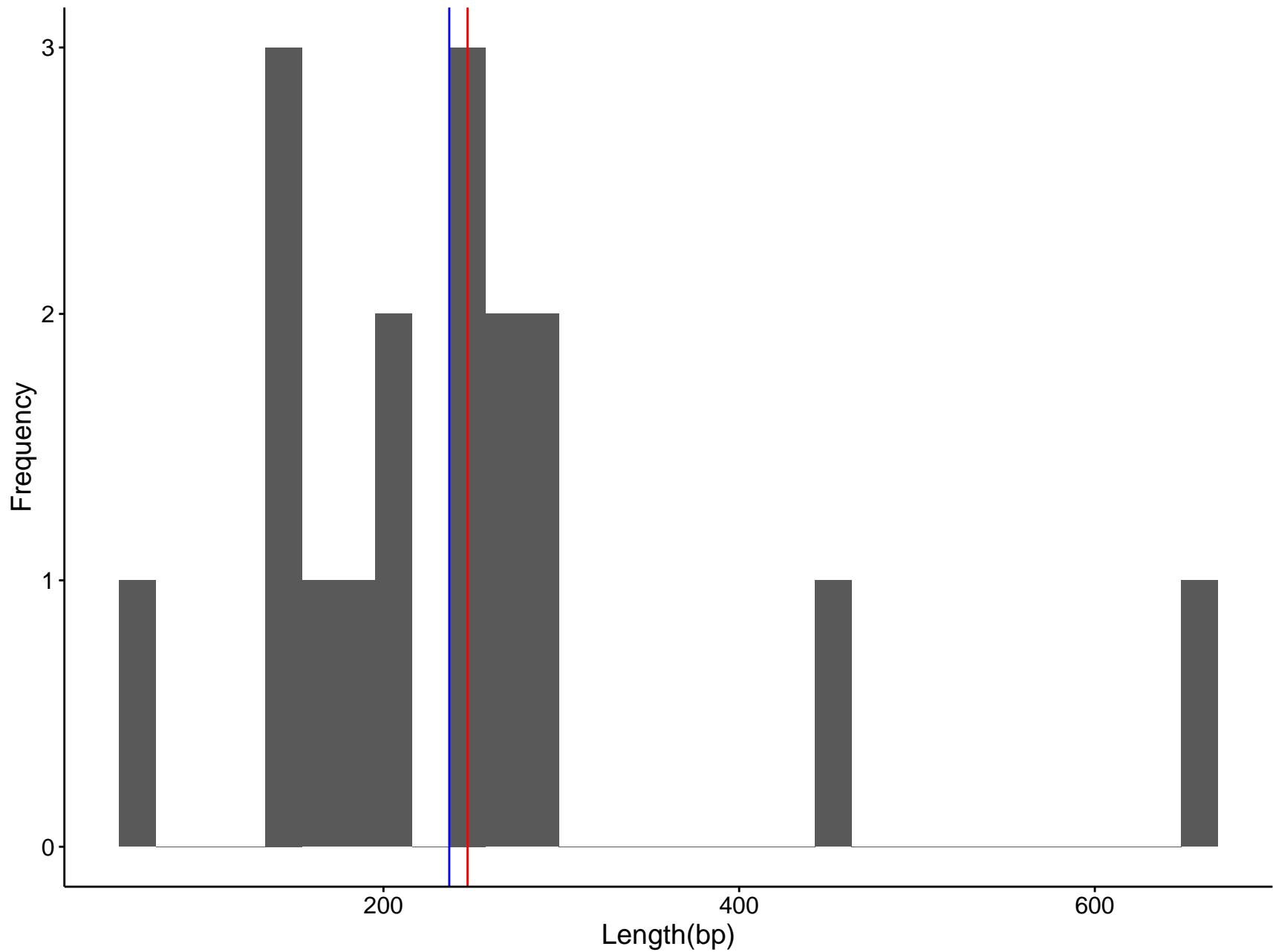
262.025

262.050

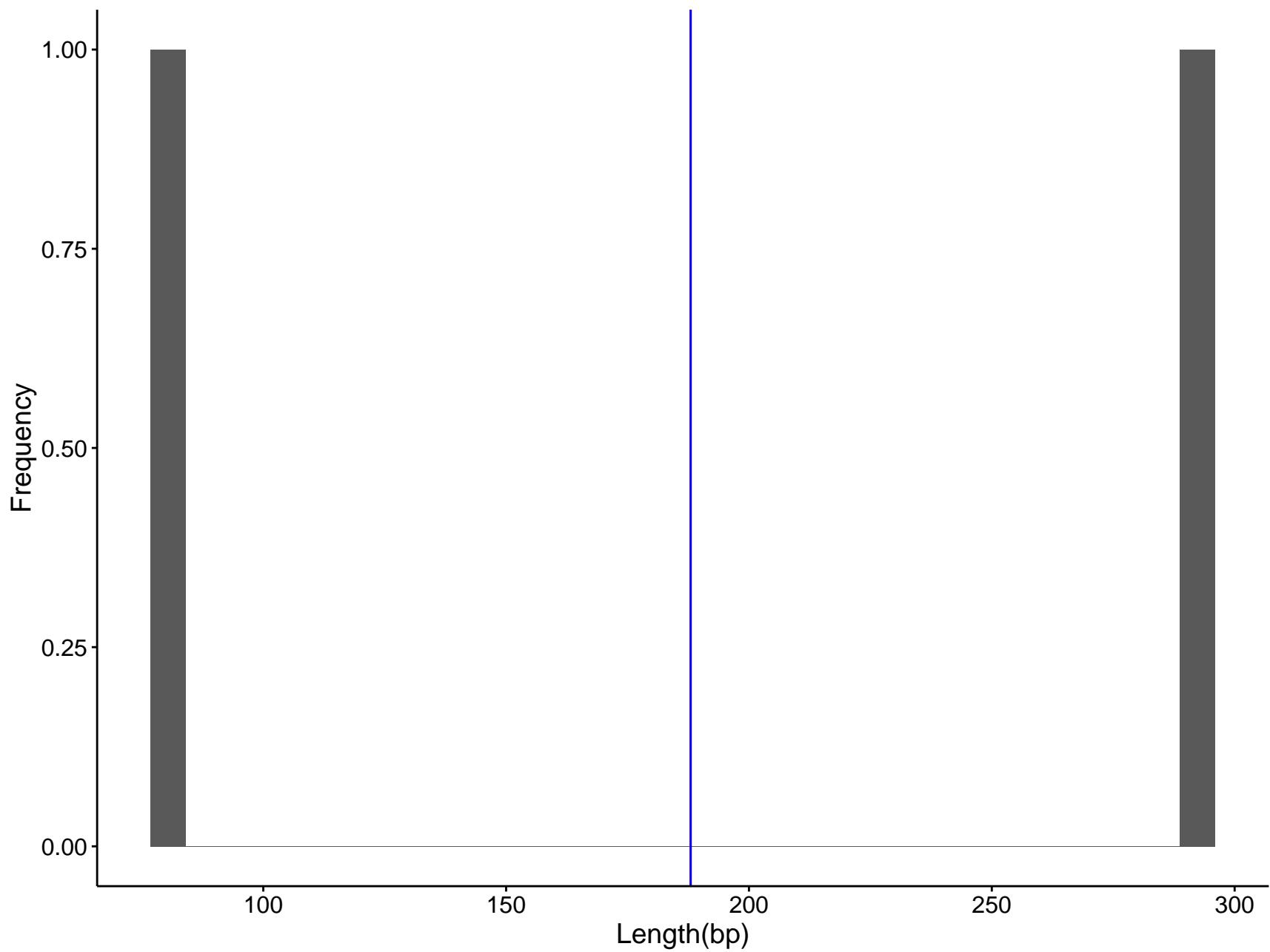
Length(bp)



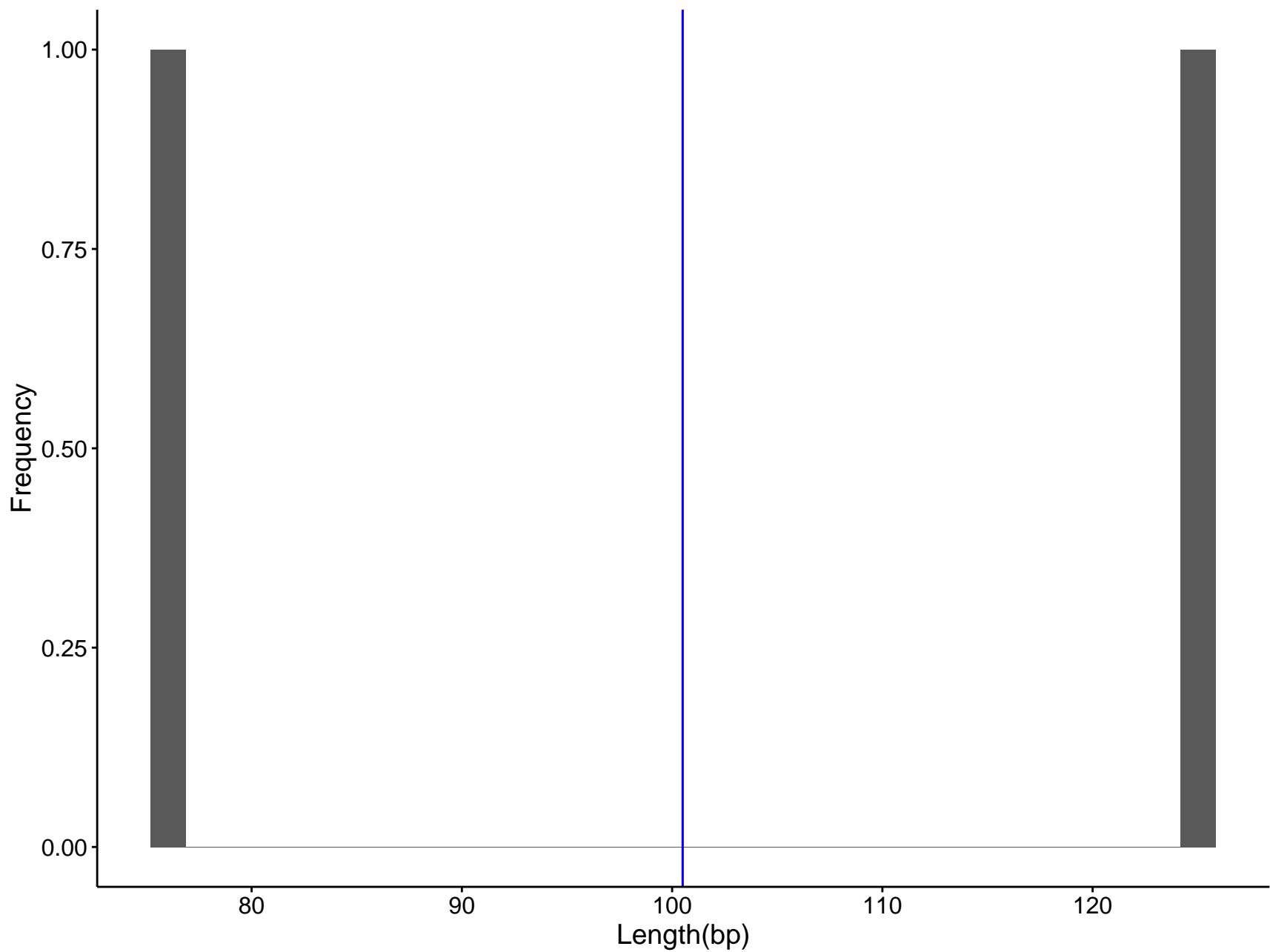
Cluster2593



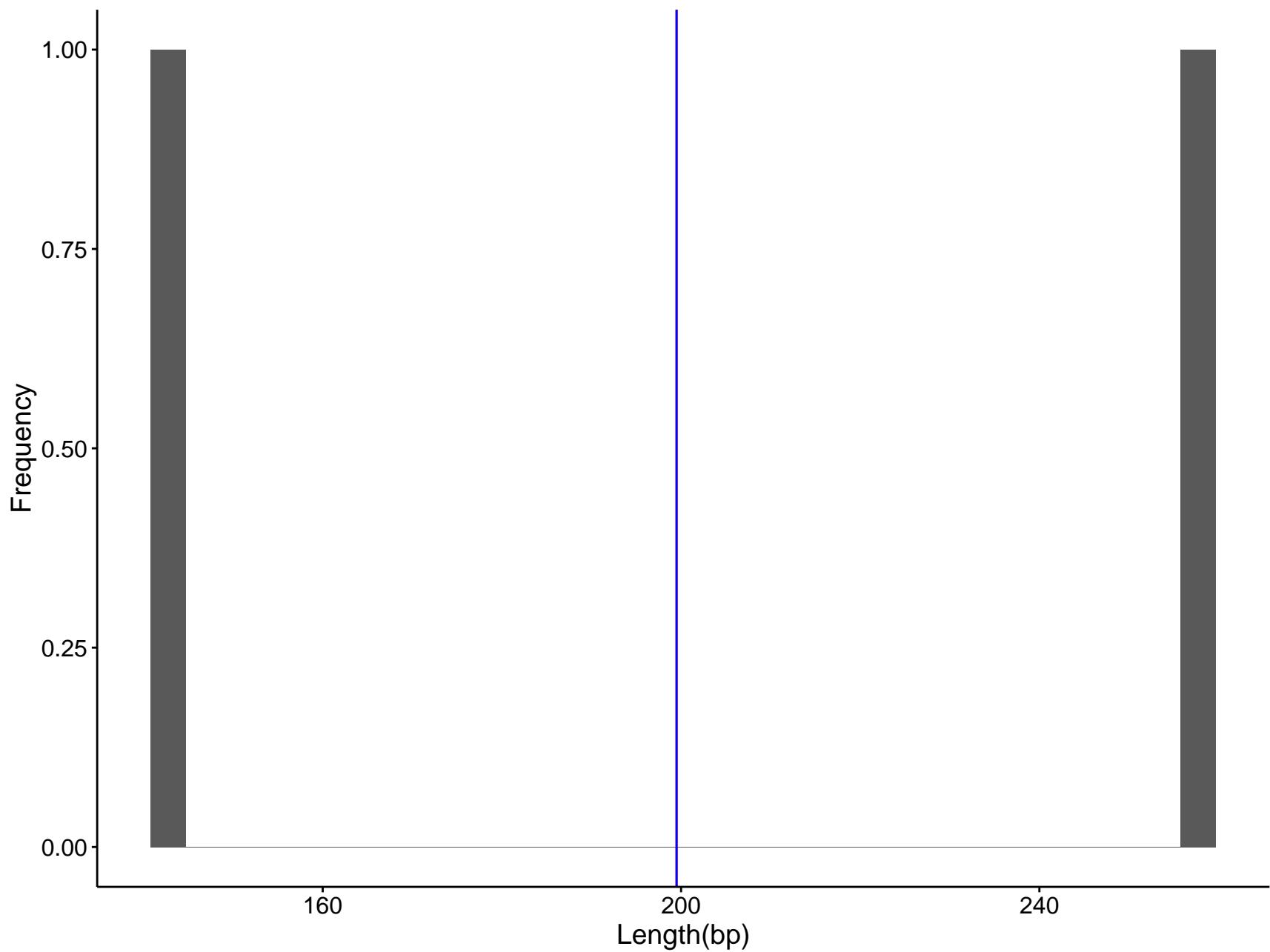
Cluster2594



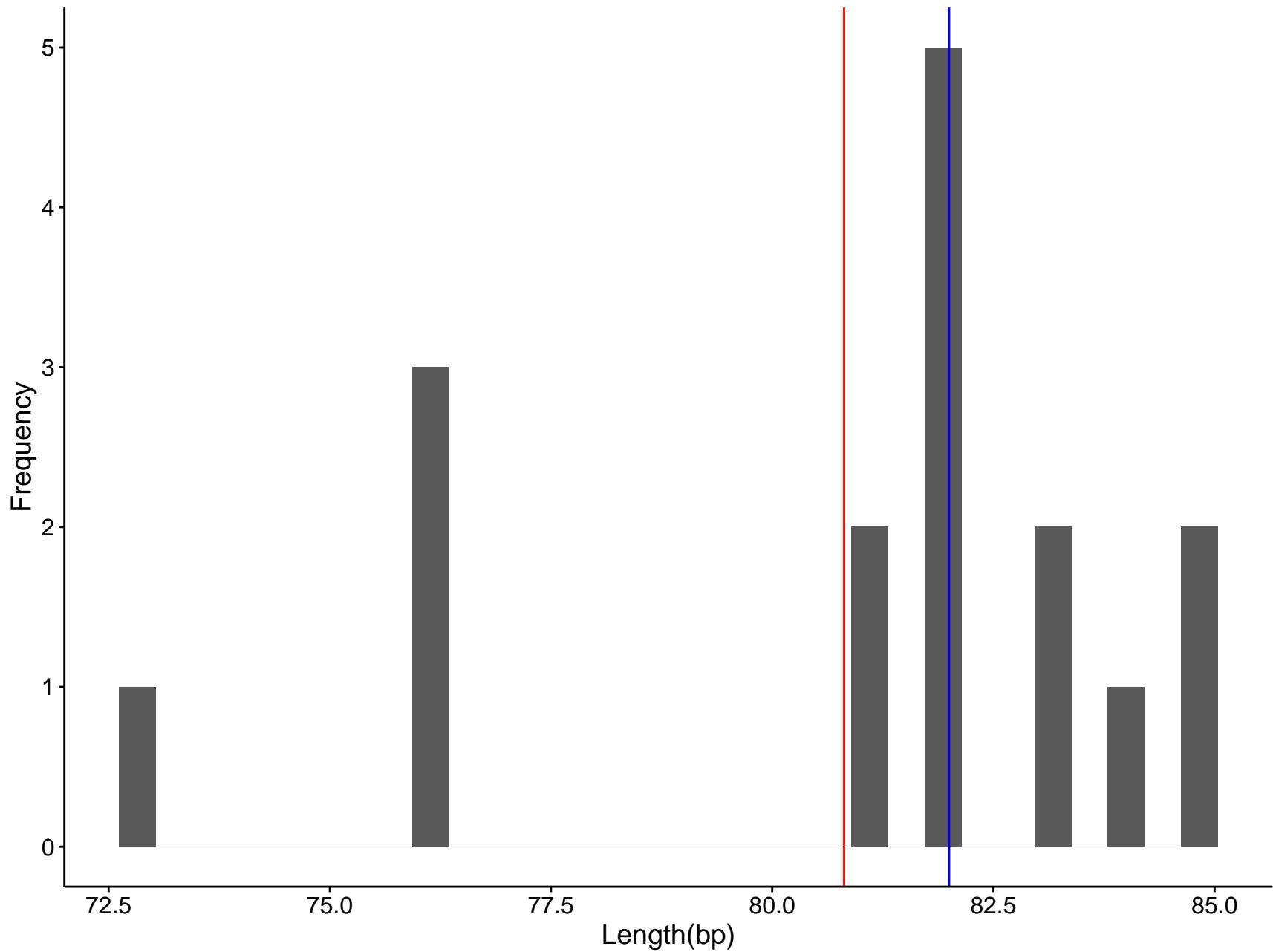
Cluster2599



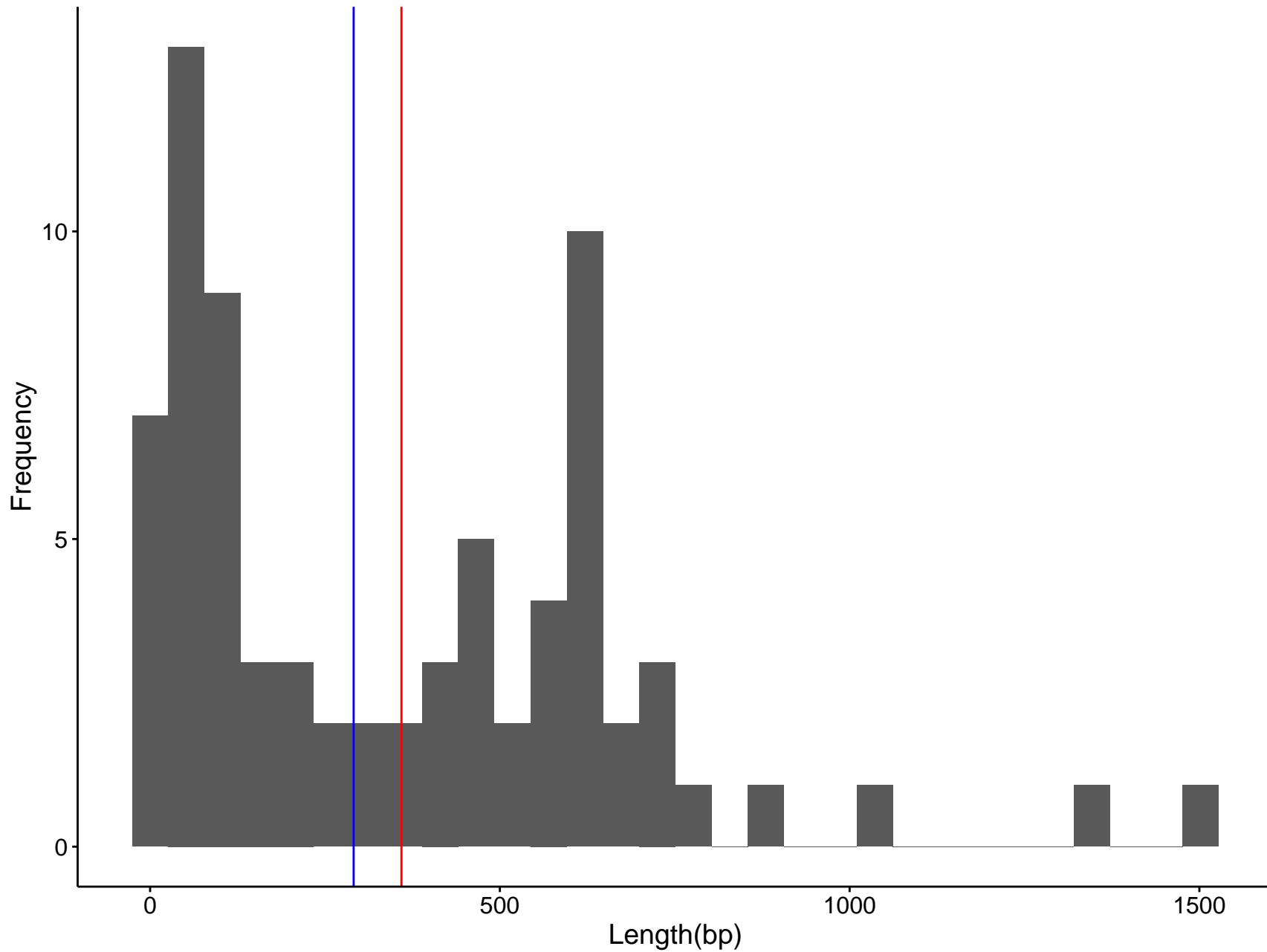
Cluster259



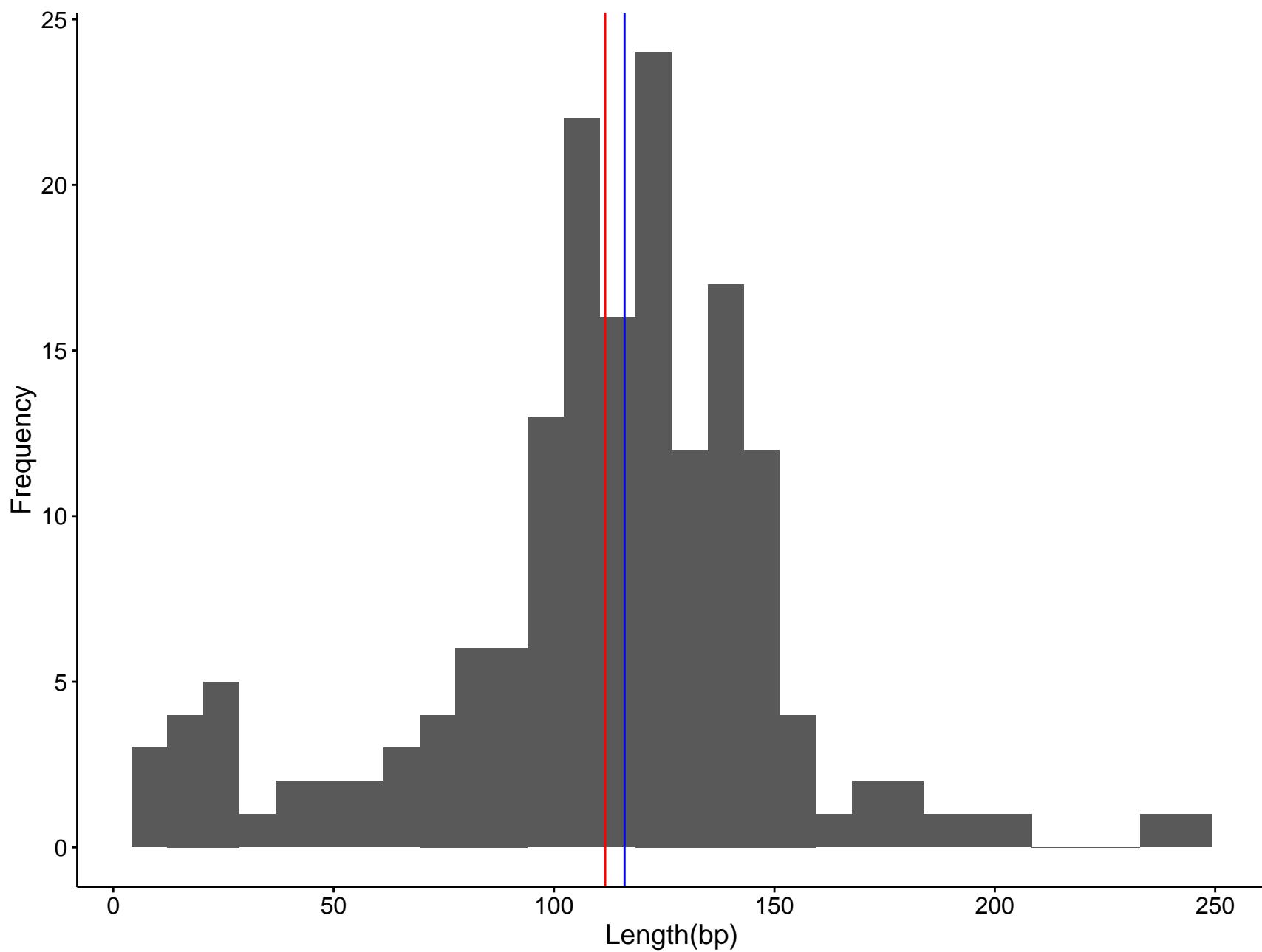
Cluster2601



Cluster2613



Cluster2620



# Cluster2624

Frequency

79.950

79.975

80.000

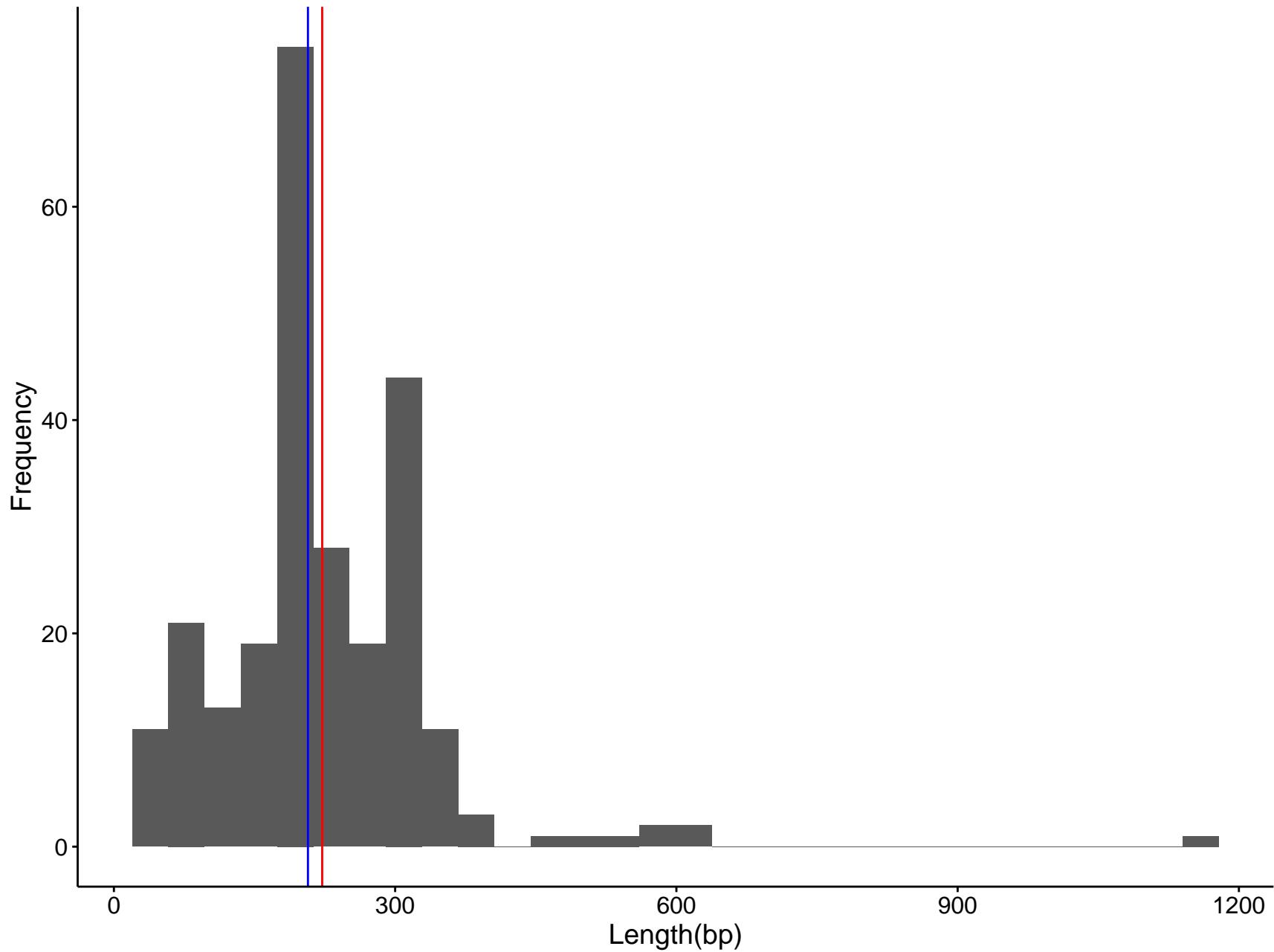
80.025

80.0

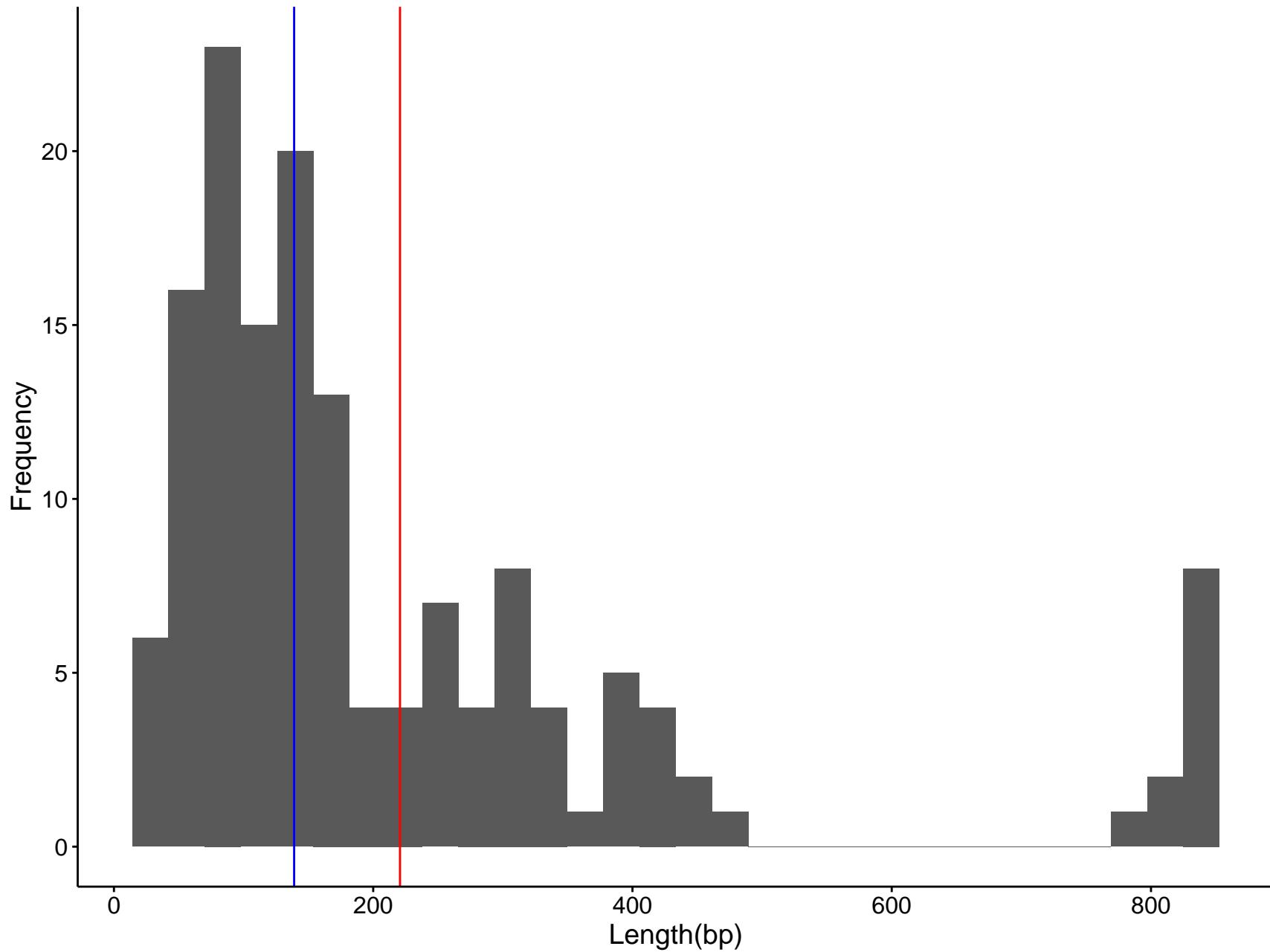
Length(bp)



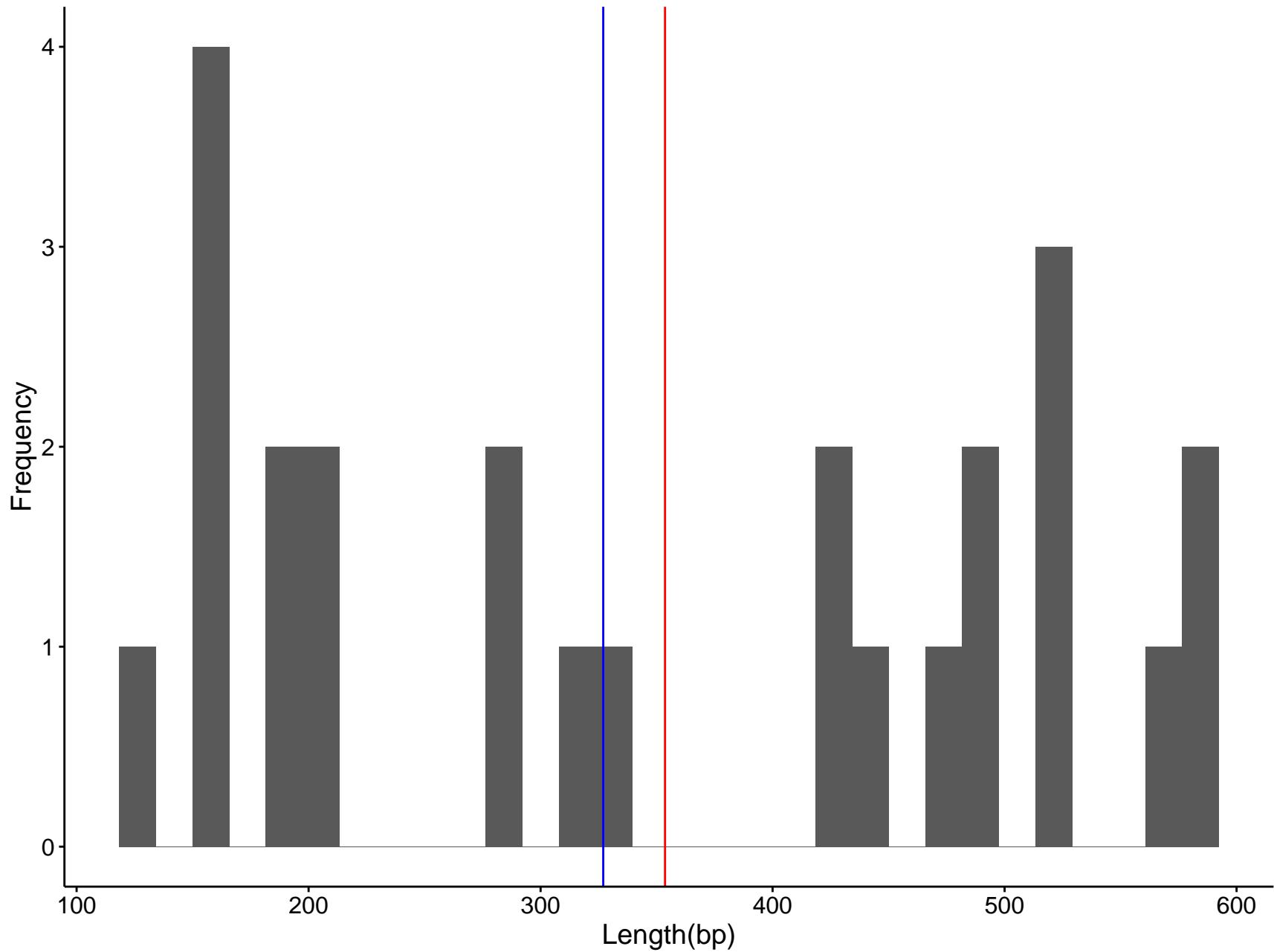
Cluster2626



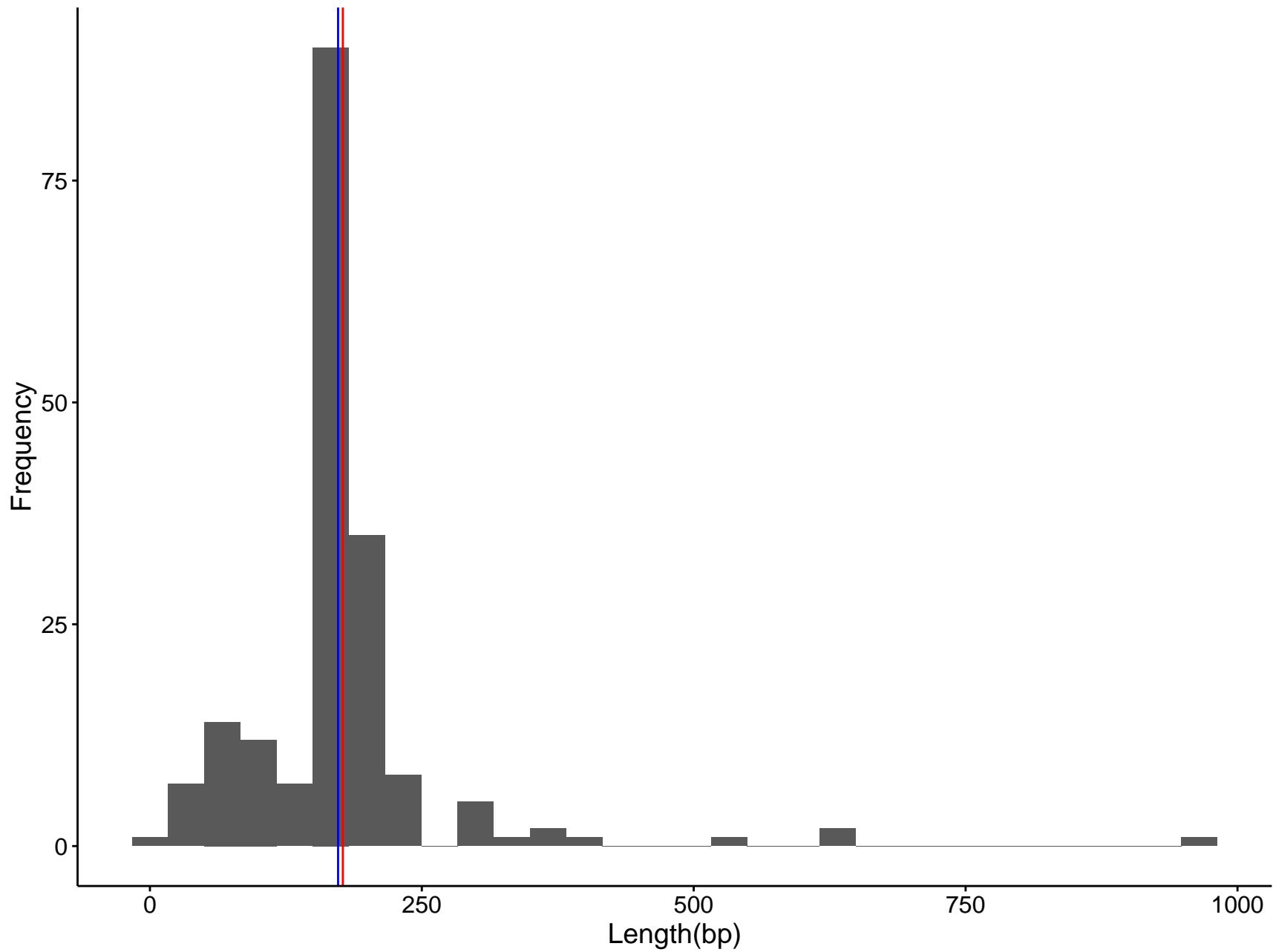
Cluster2627



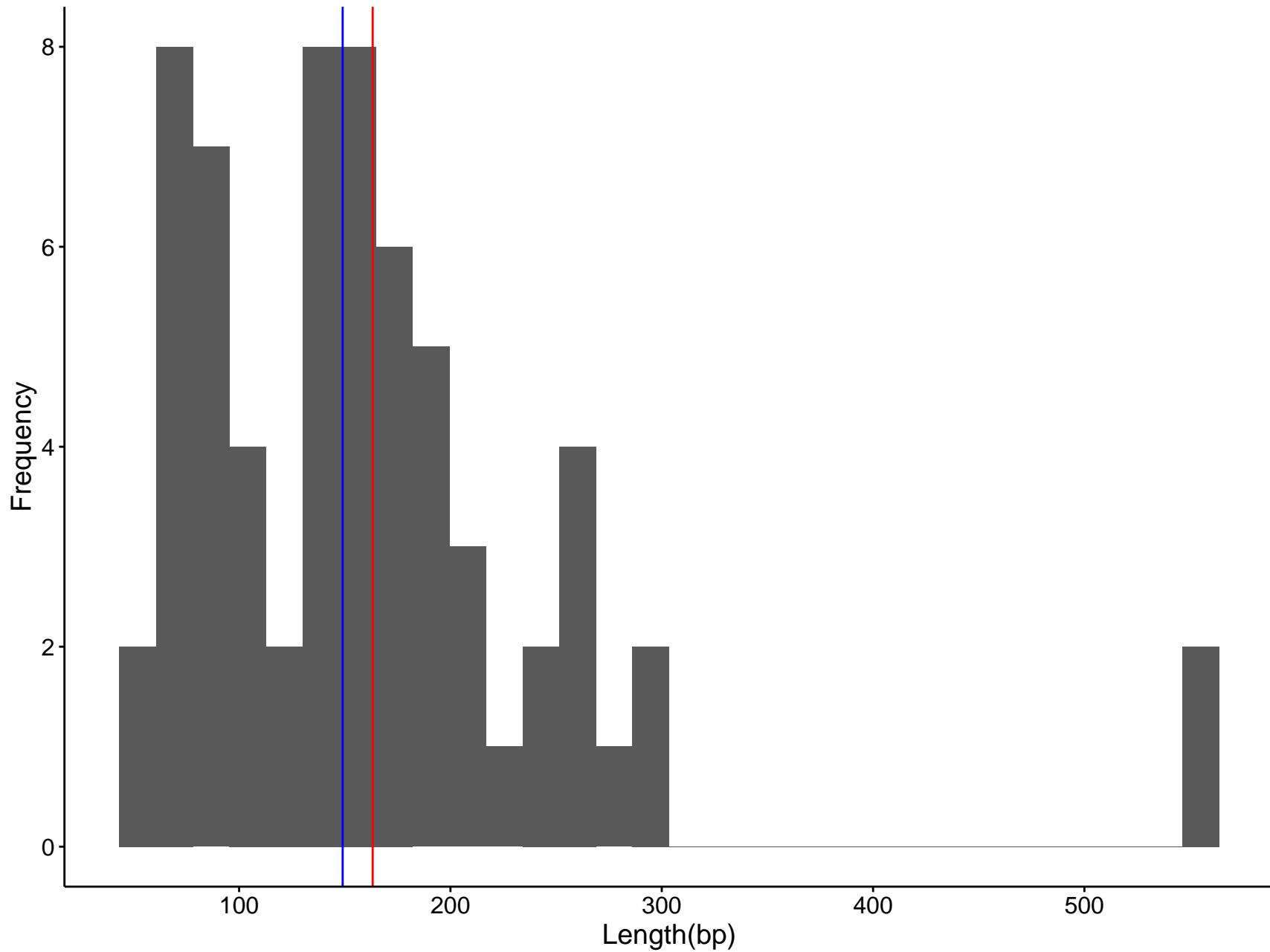
Cluster2628



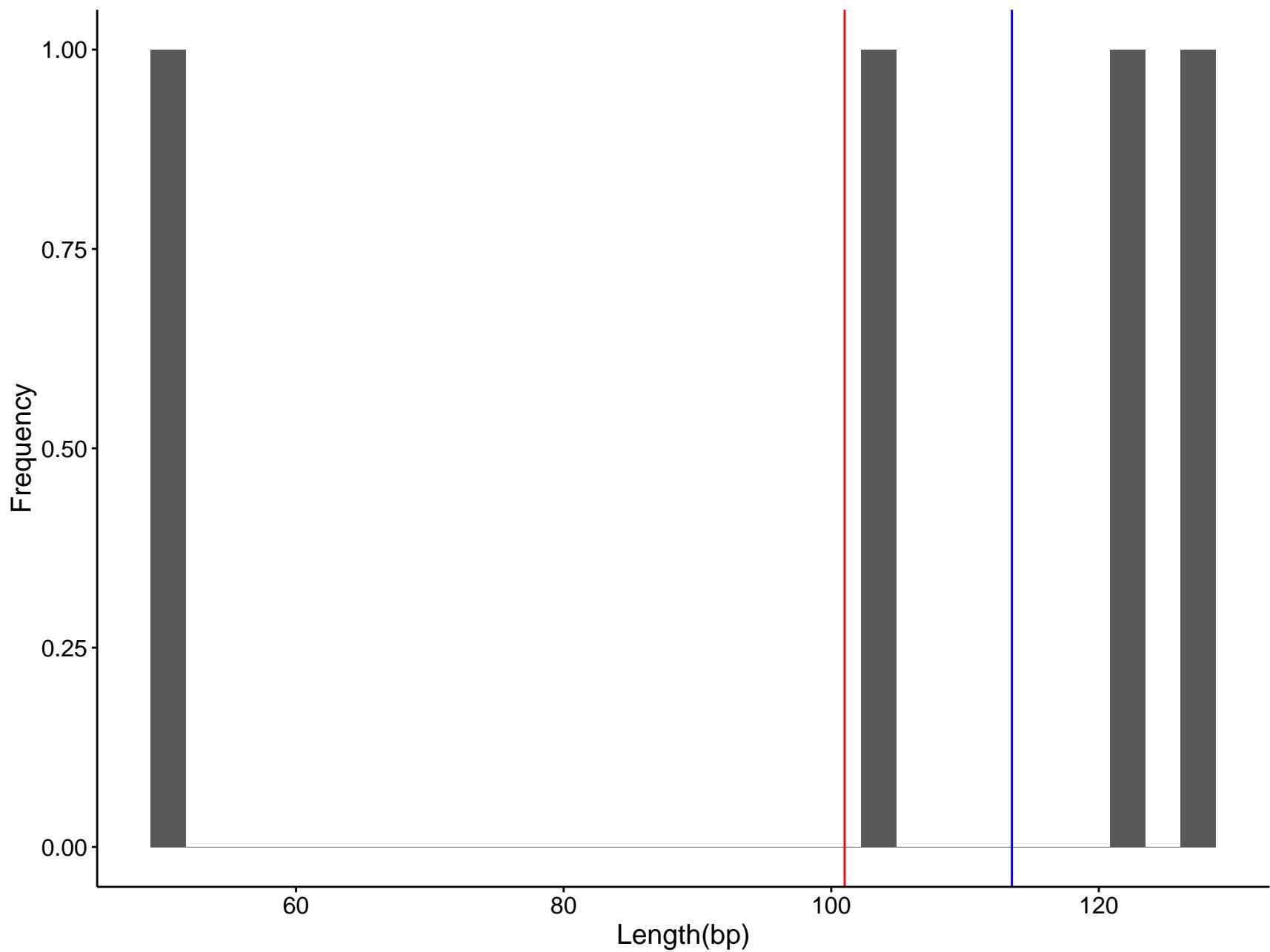
Cluster2629



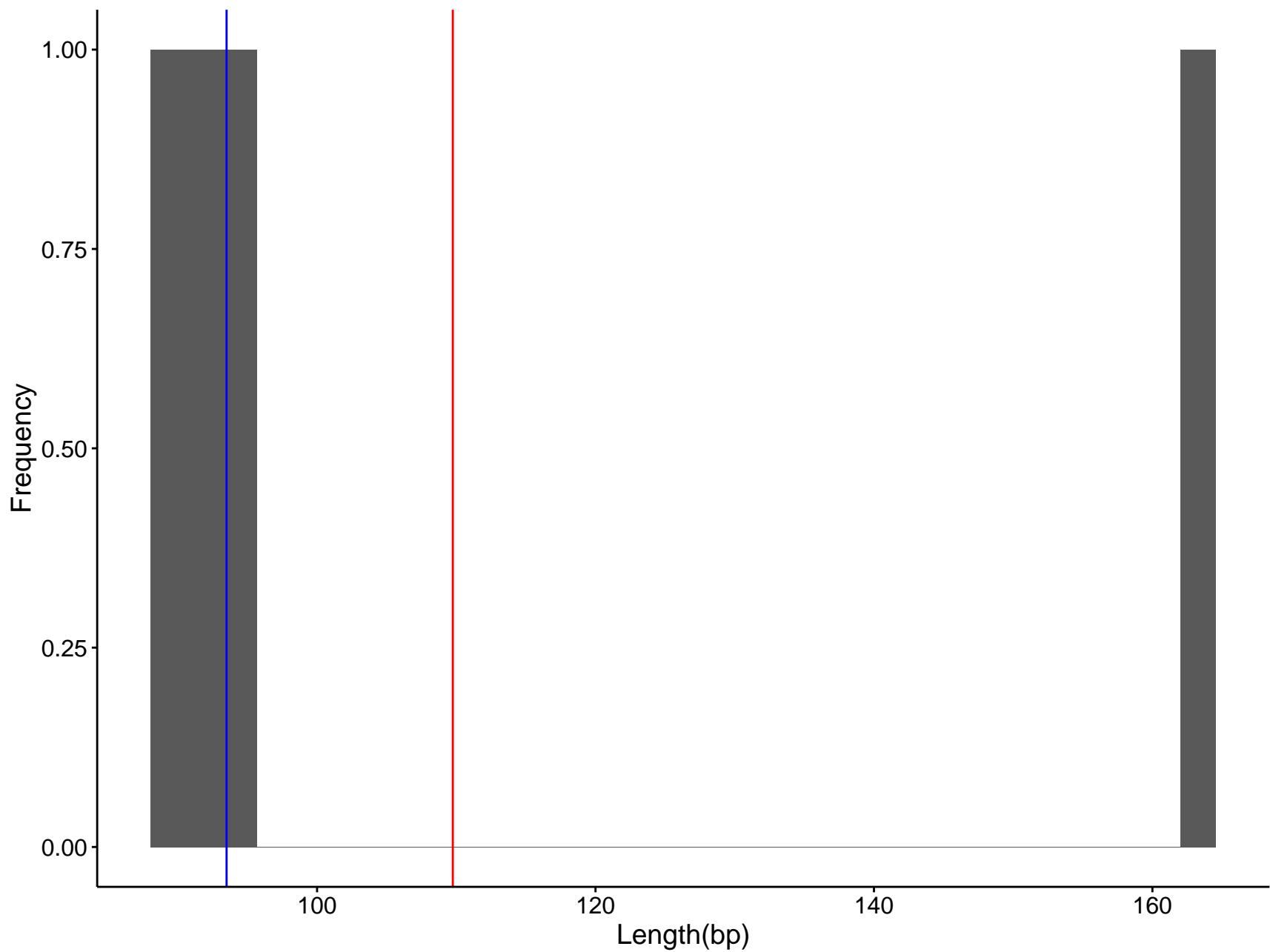
Cluster2630



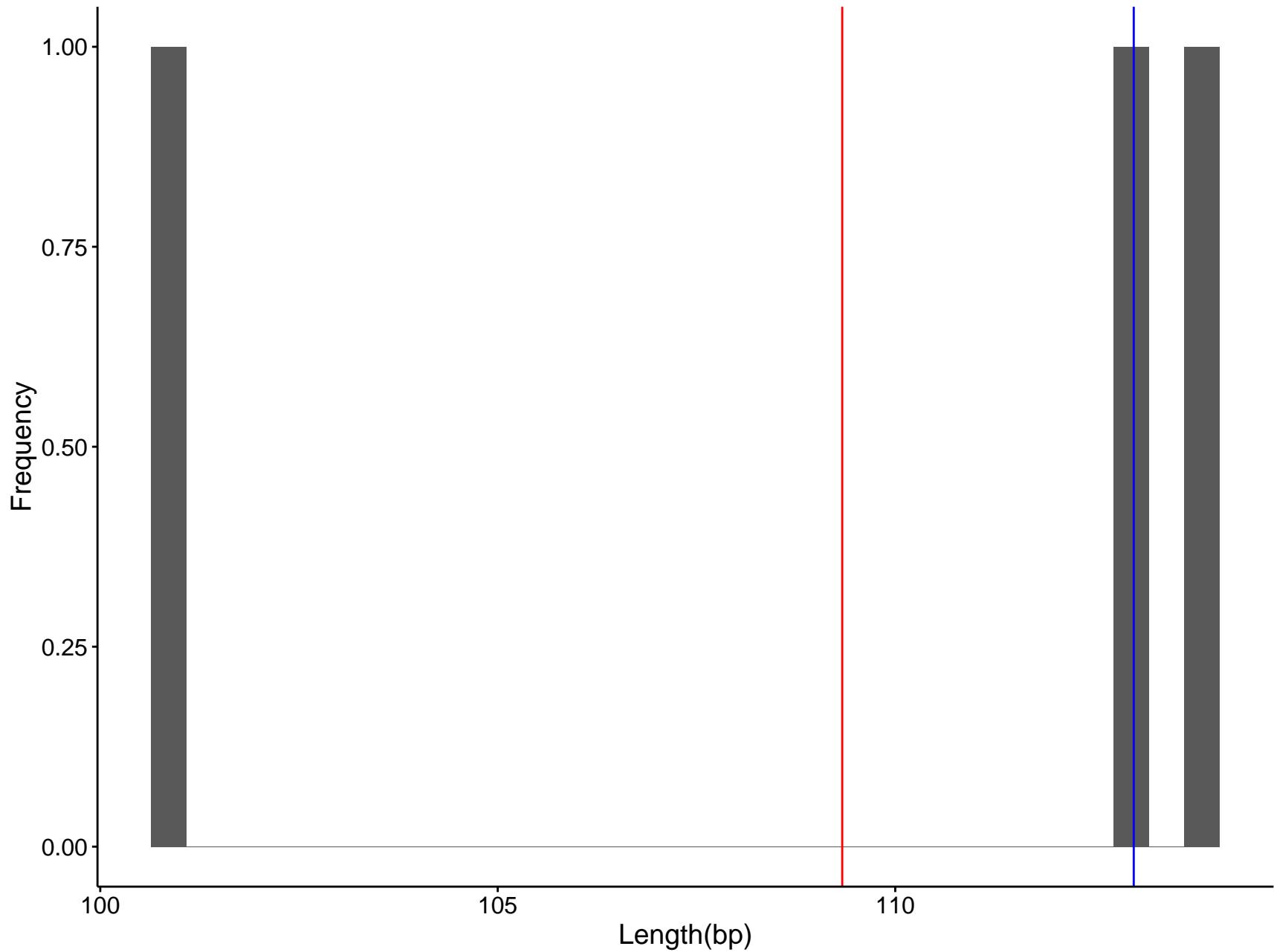
Cluster2631



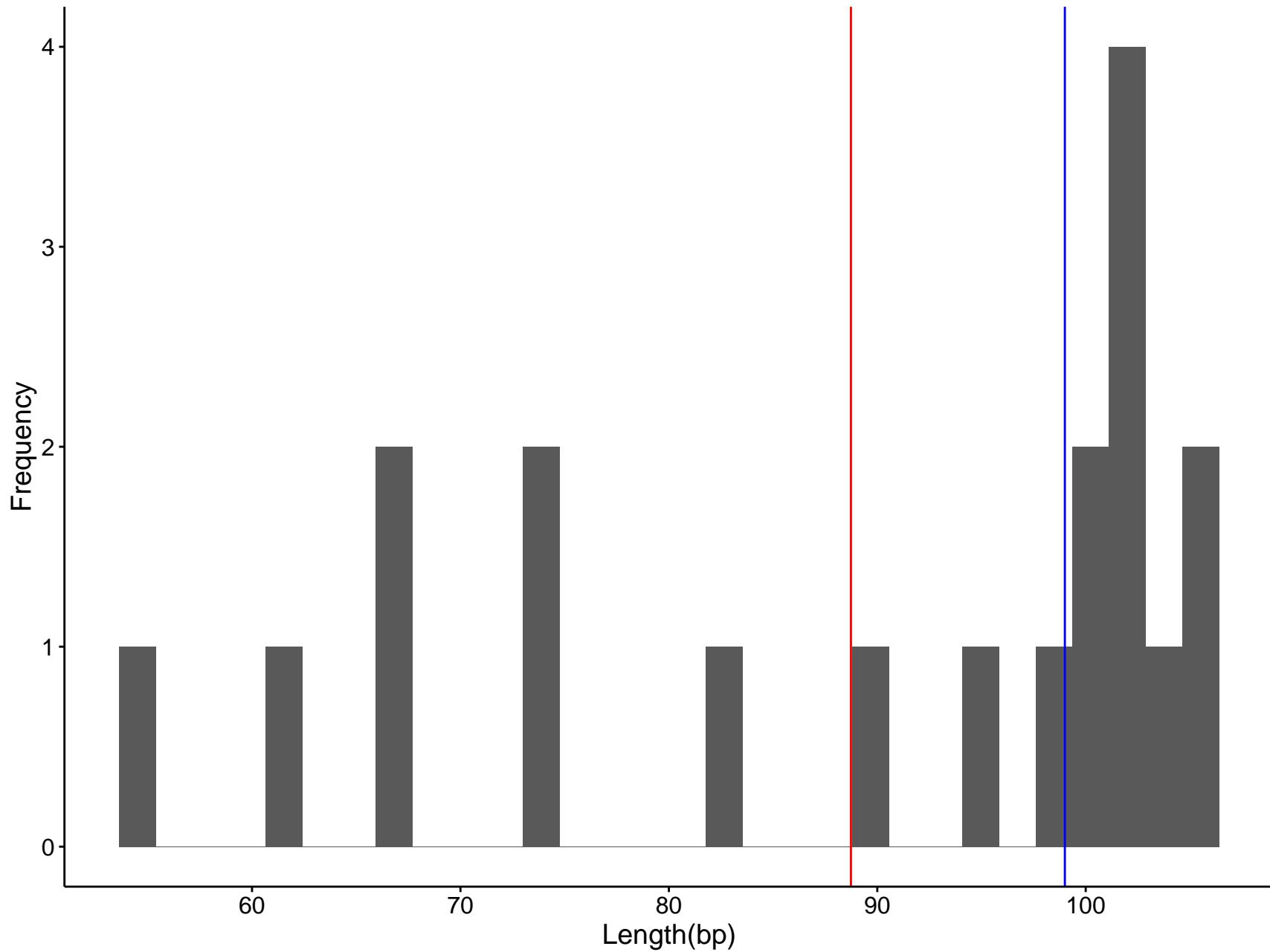
Cluster2633



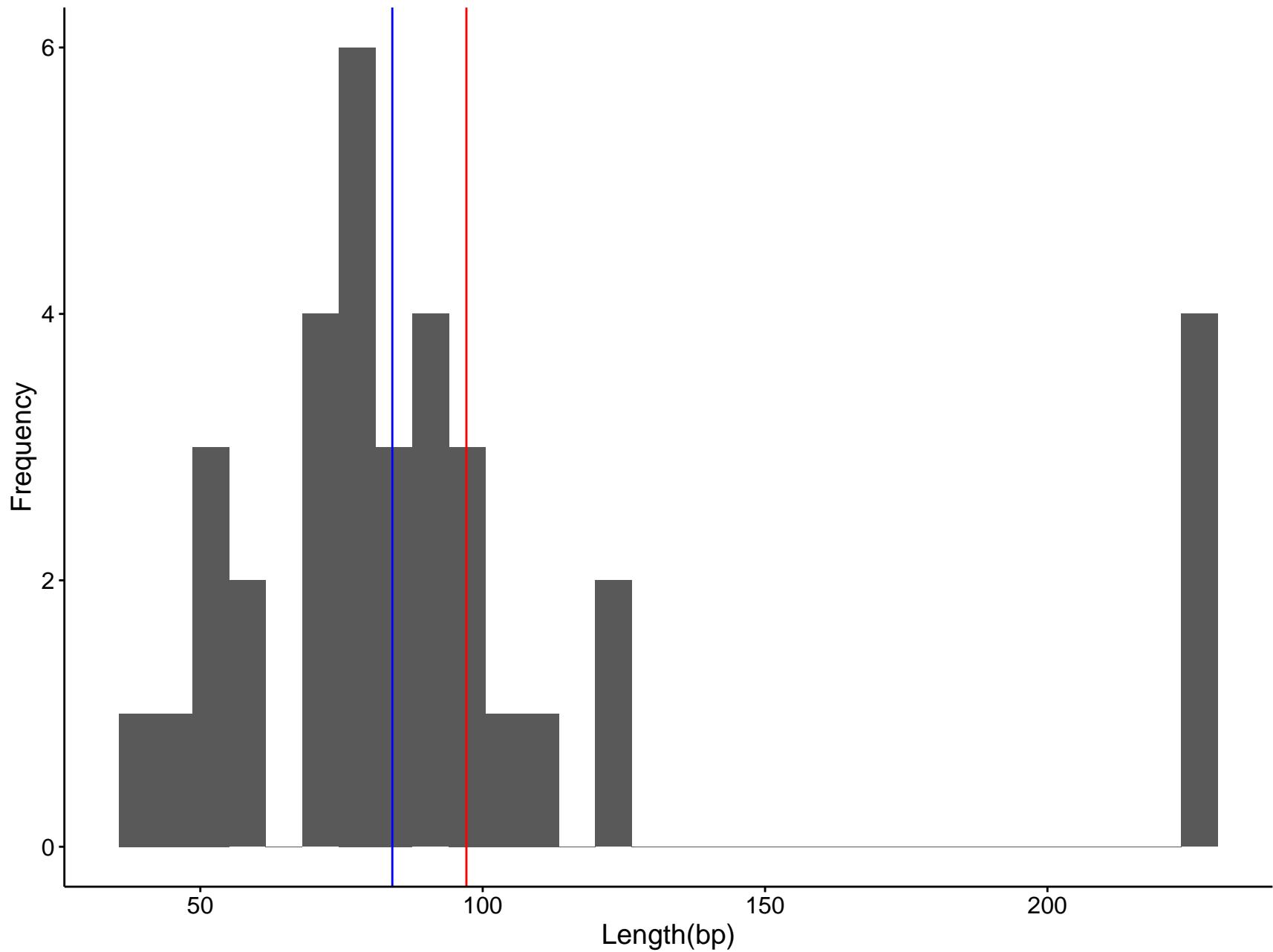
Cluster2634



Cluster2635



Cluster2639



# Cluster263

Frequency

411.950

411.975

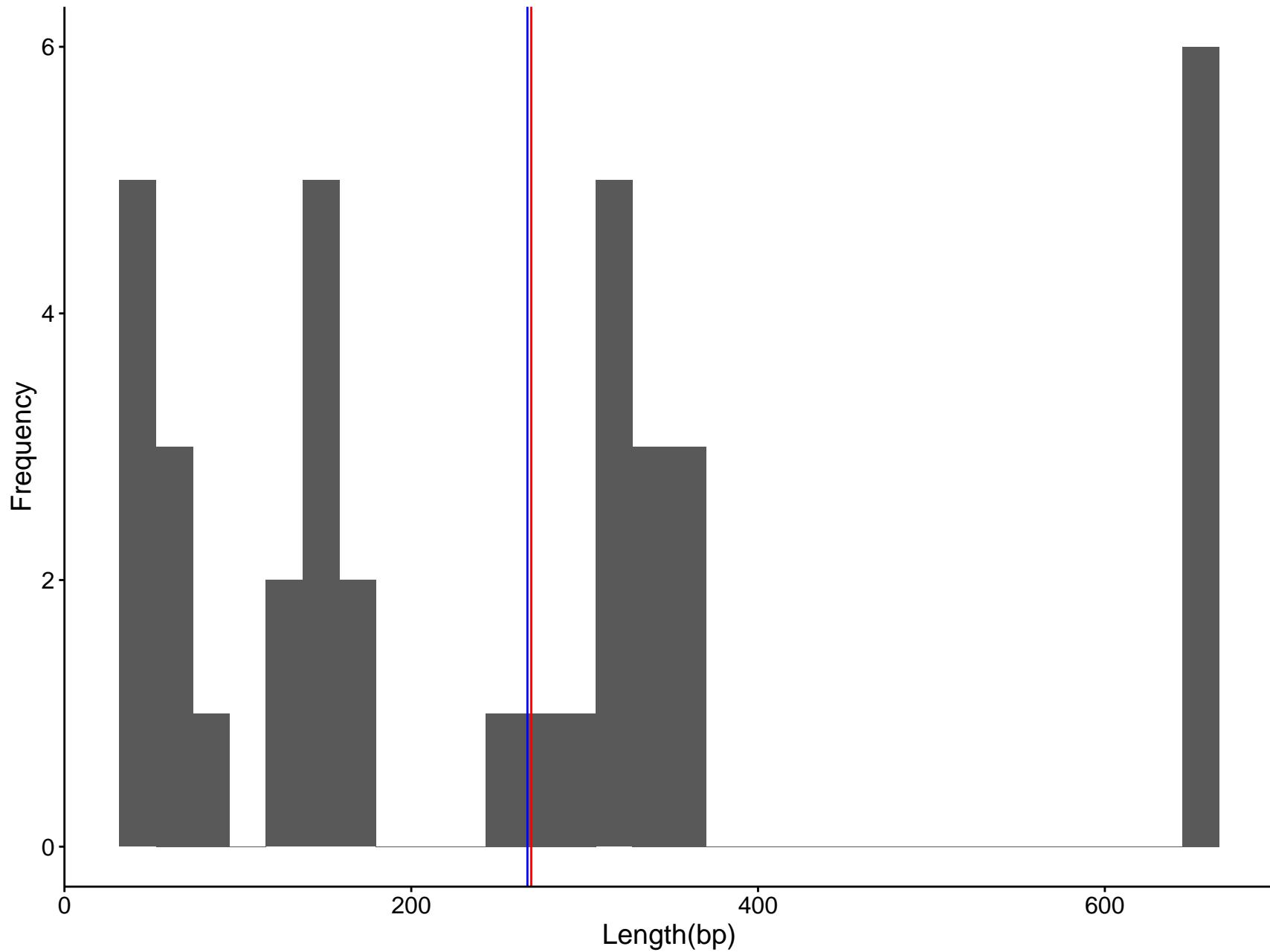
412.000

412.025

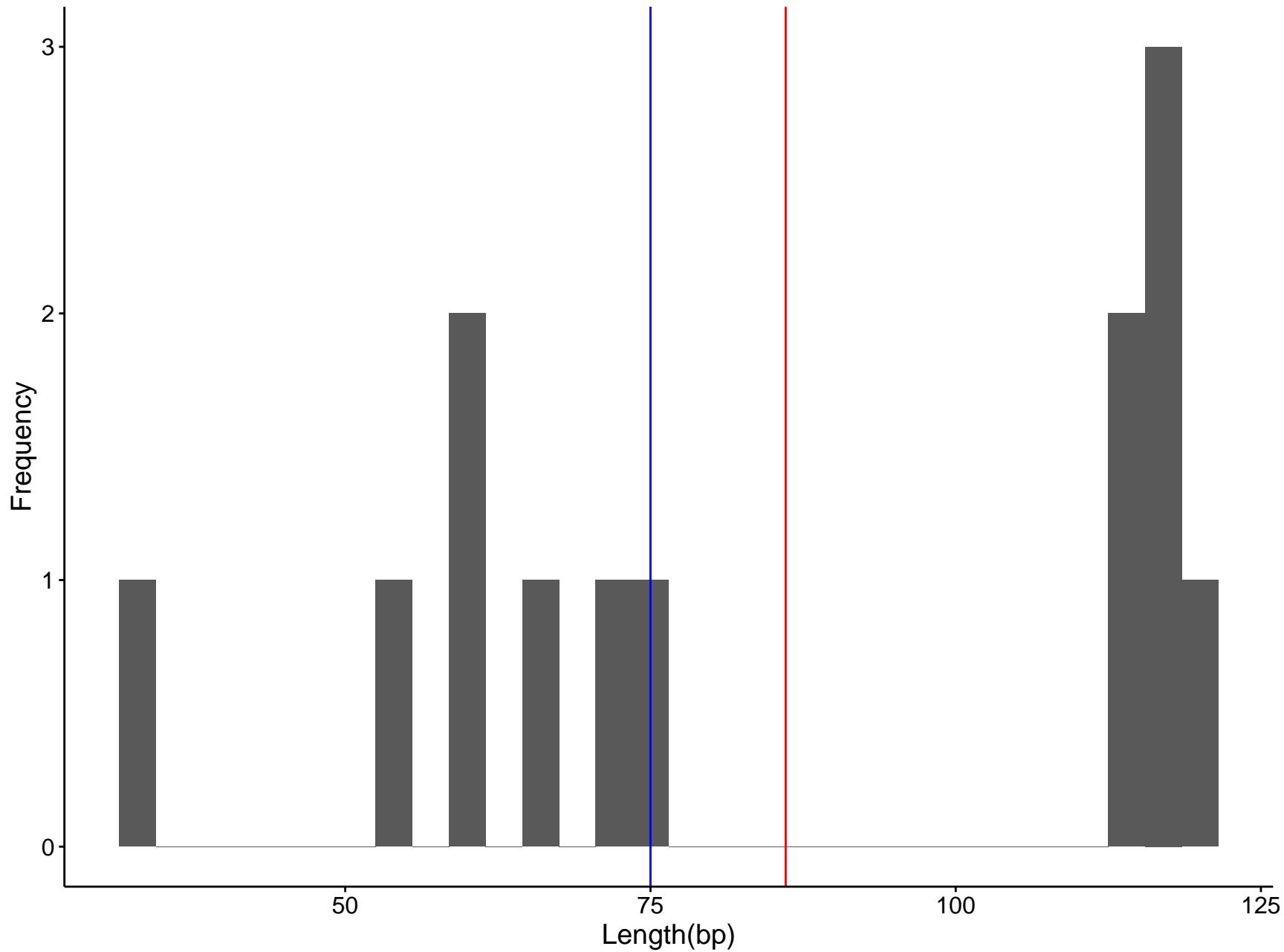
Length(bp)



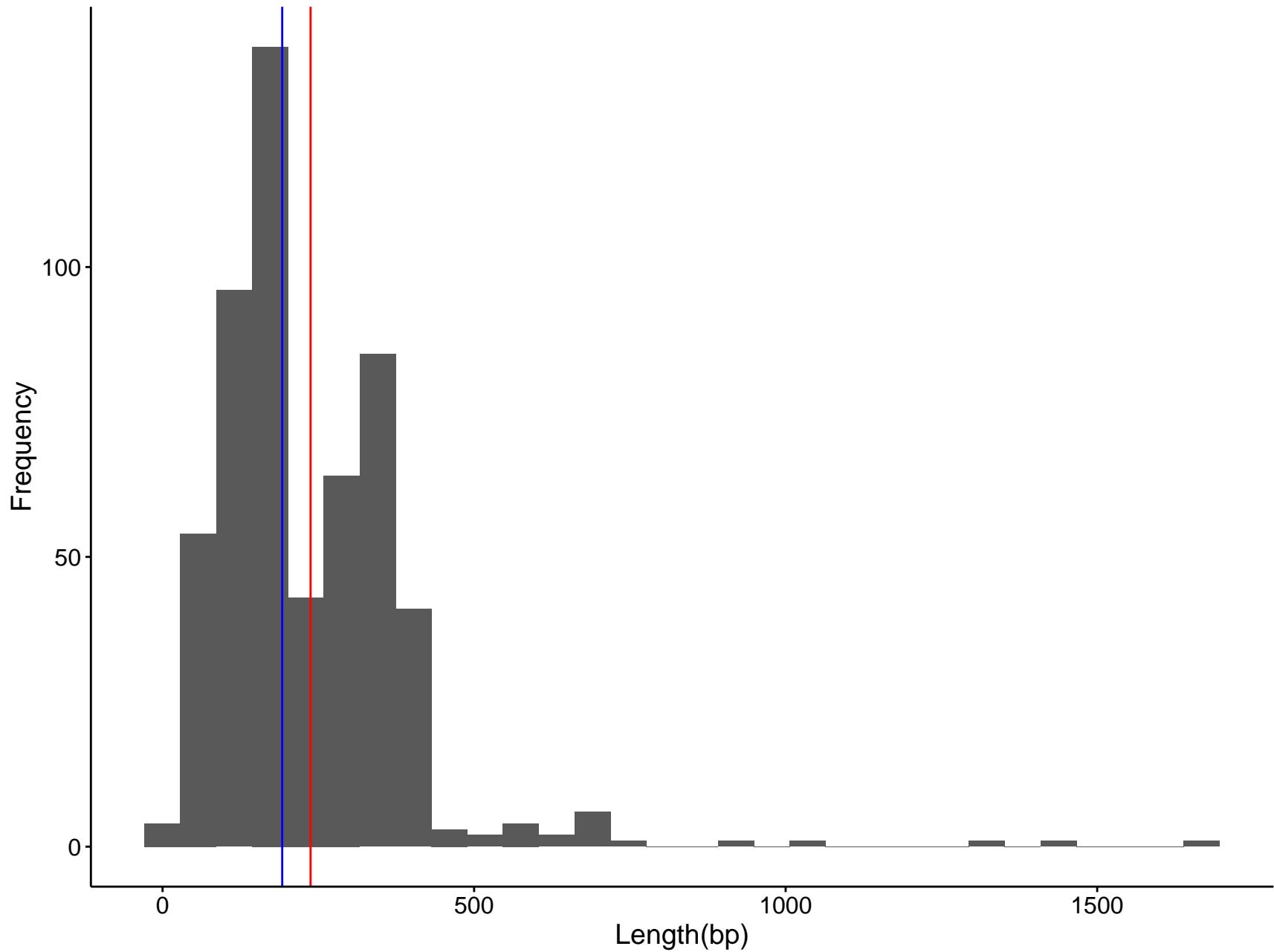
Cluster2640



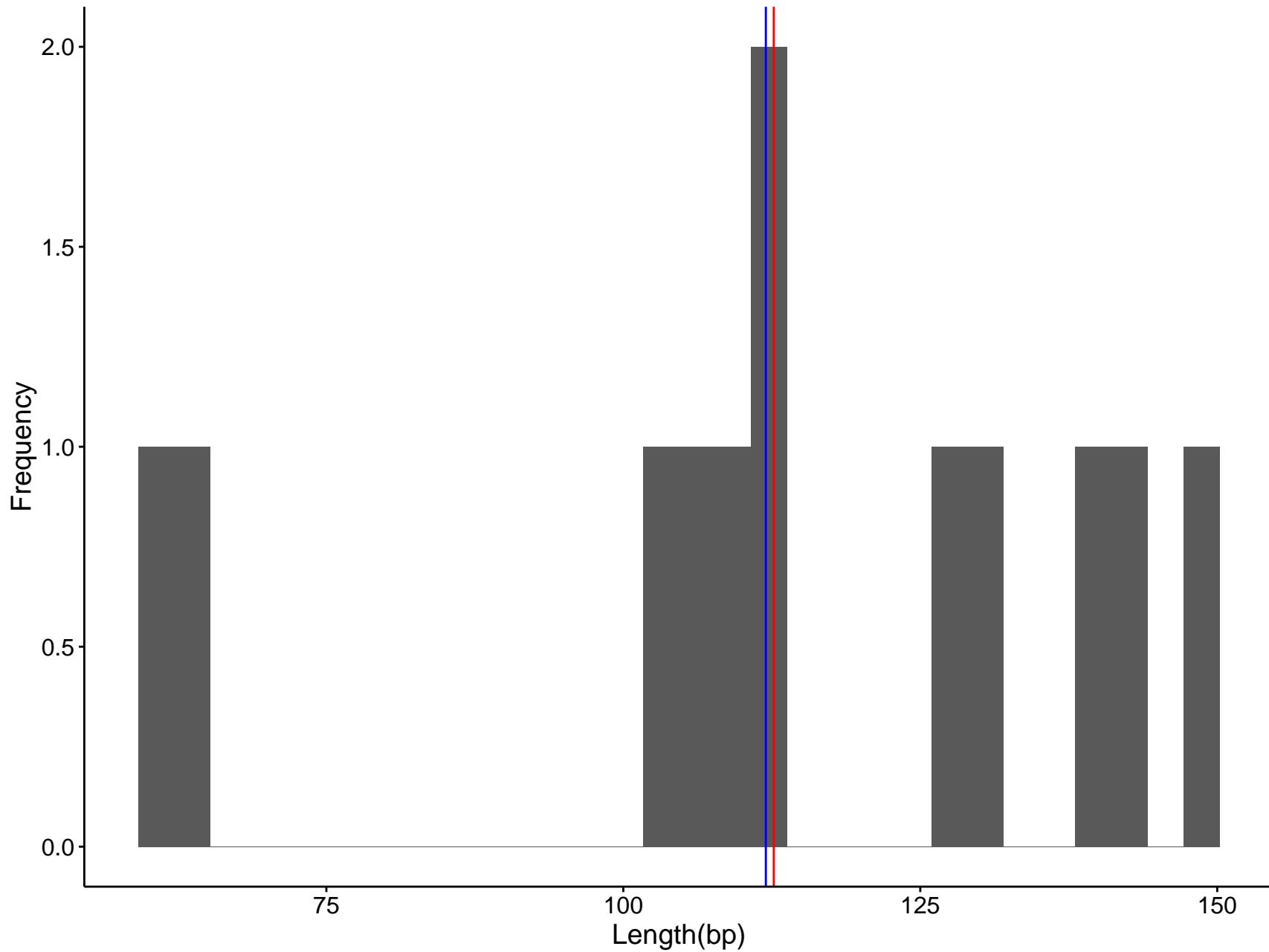
# Cluster2641



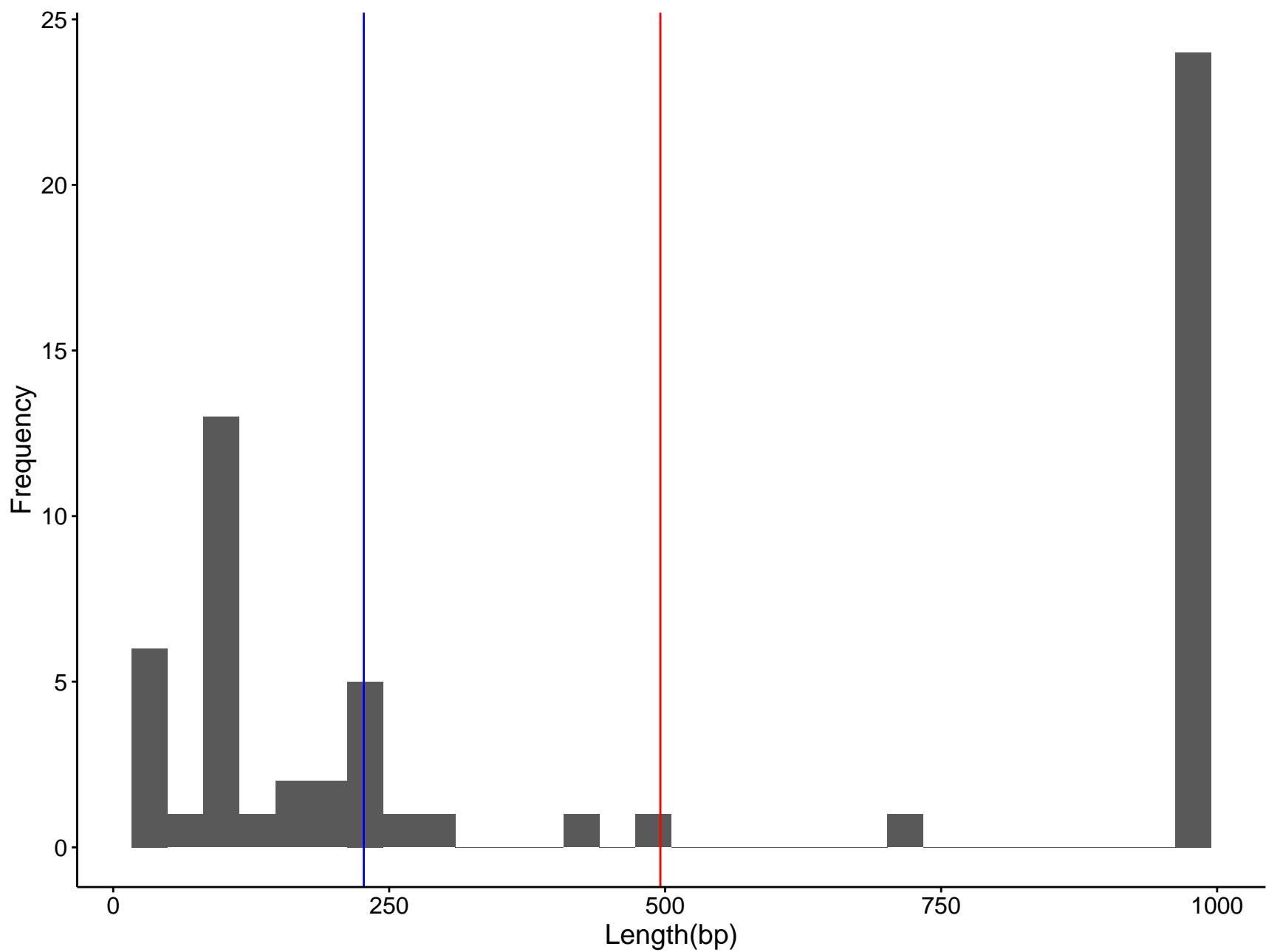
Cluster2643



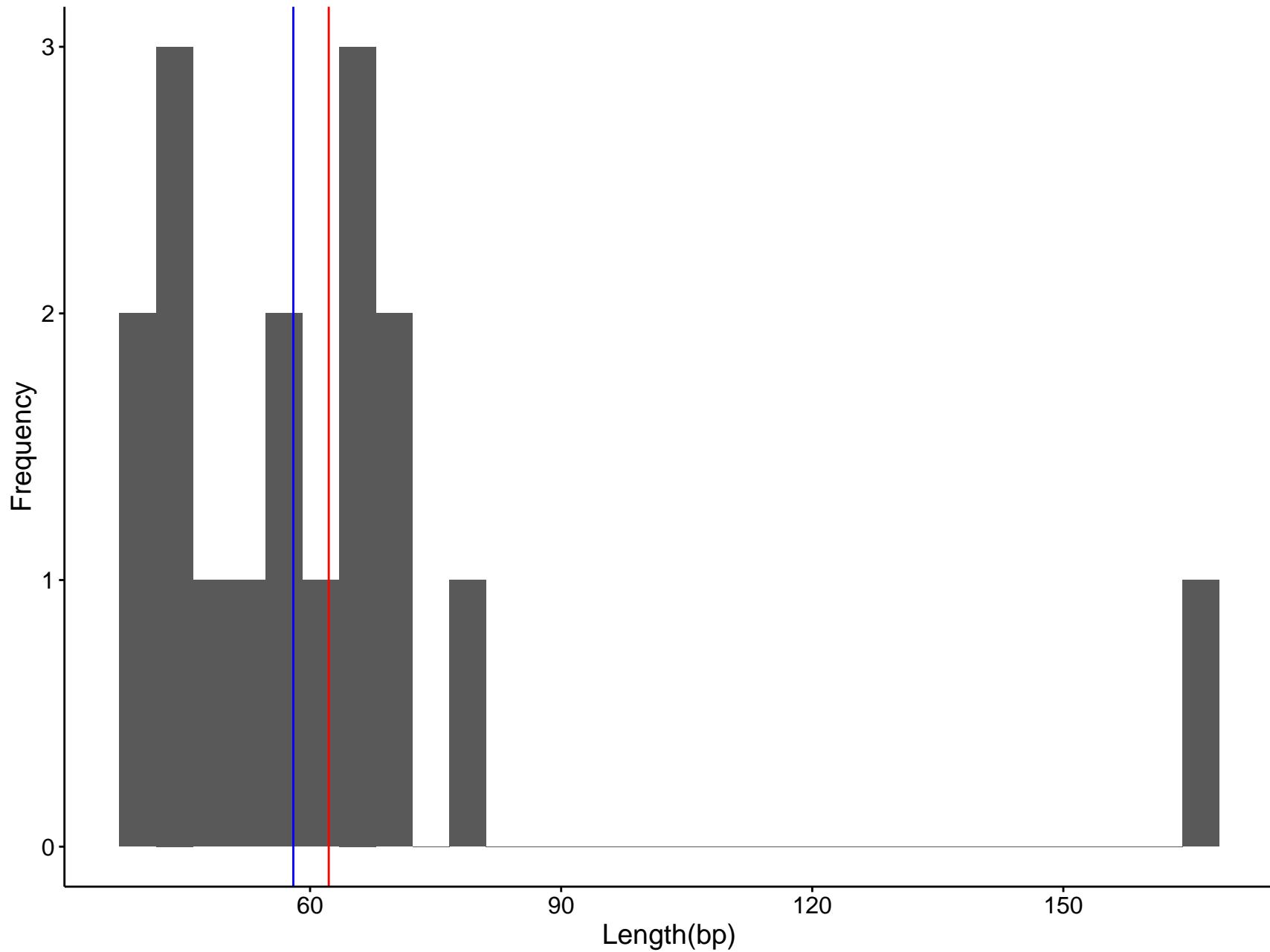
Cluster2644



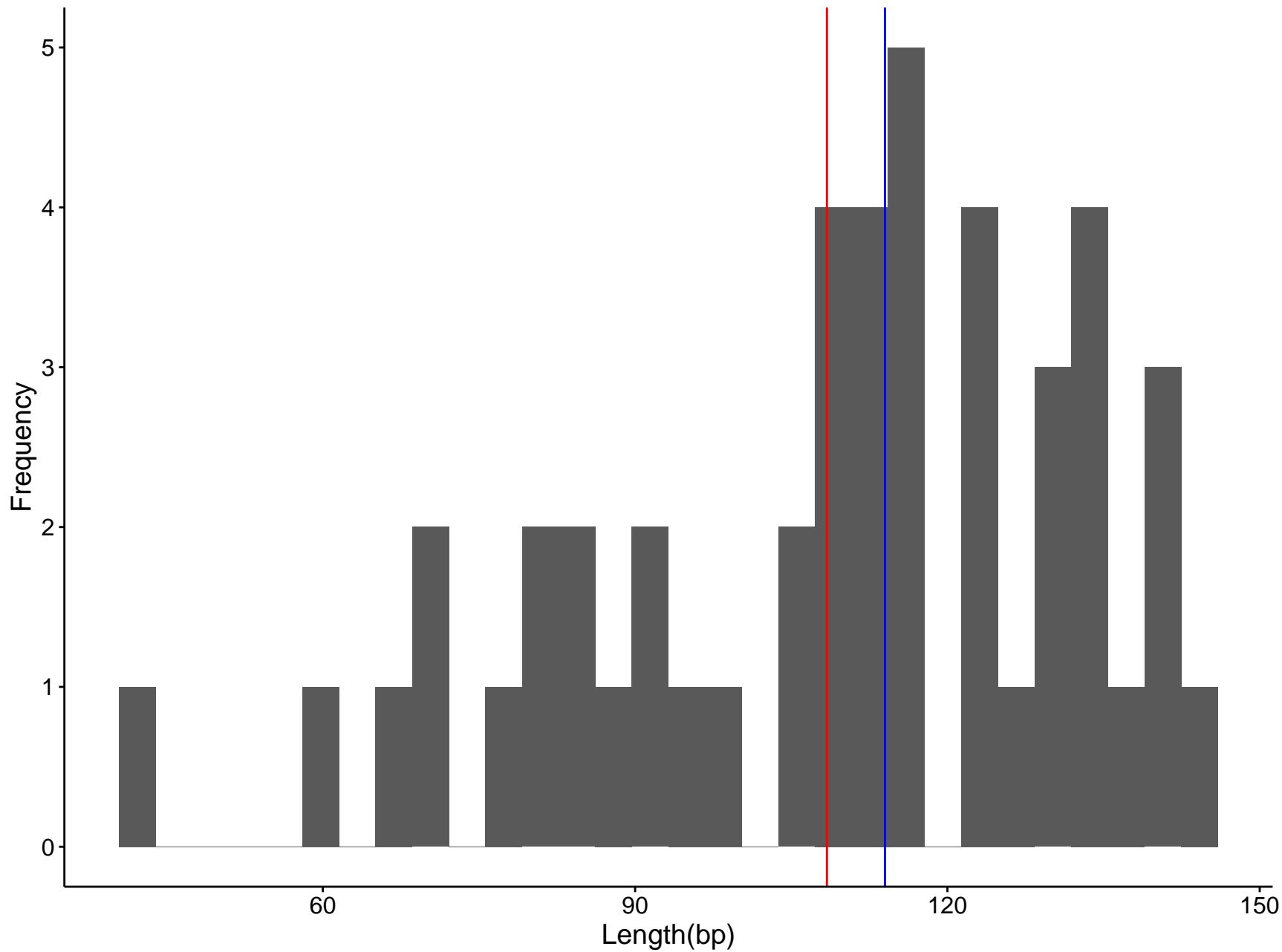
Cluster2645



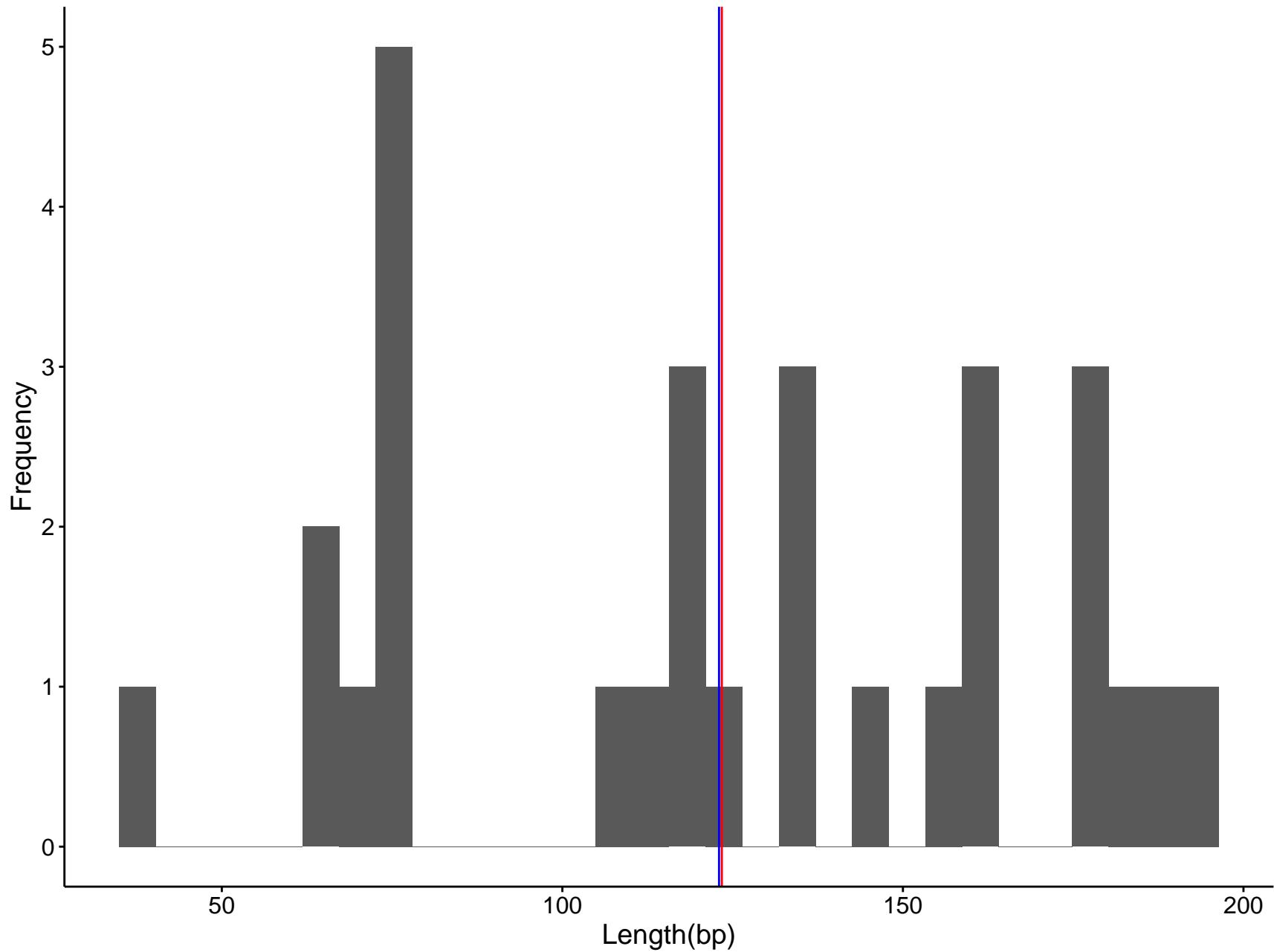
Cluster2646



Cluster2647



Cluster2648



# Cluster264

Frequency

846.950

846.975

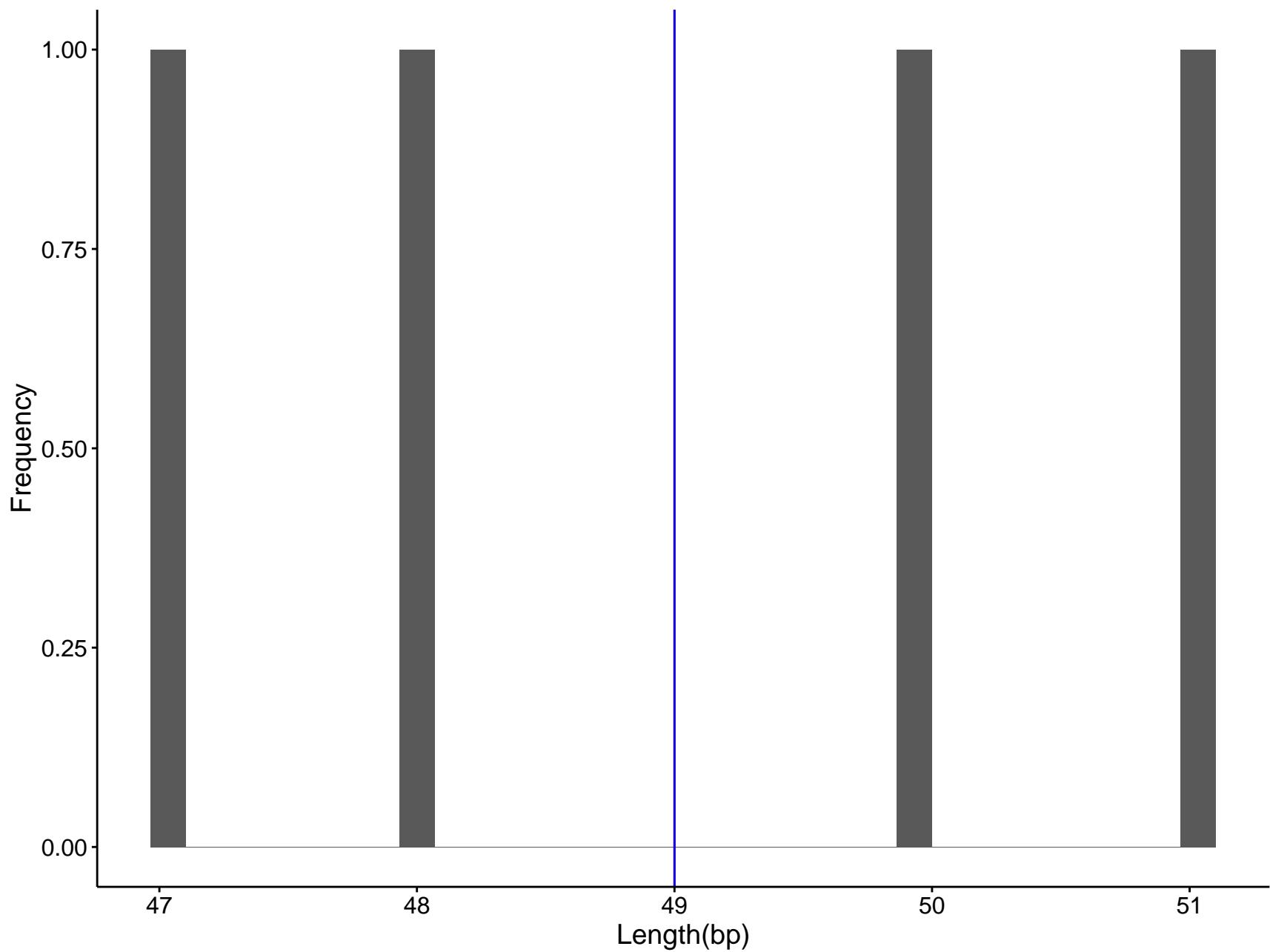
847.000

847.025

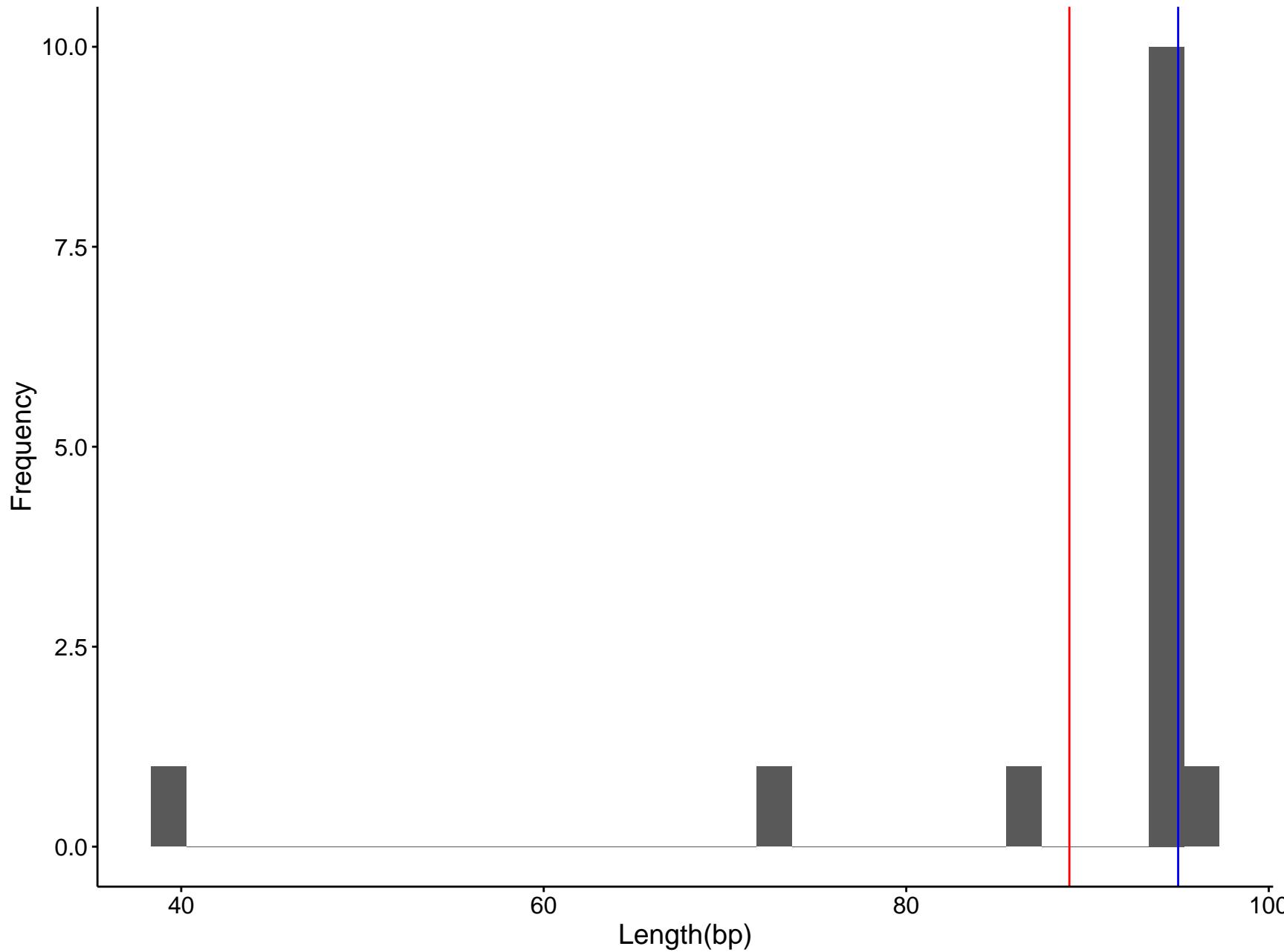
Length(bp)



Cluster2650



Cluster2652



Cluster2653

Frequency

48.950

48.975

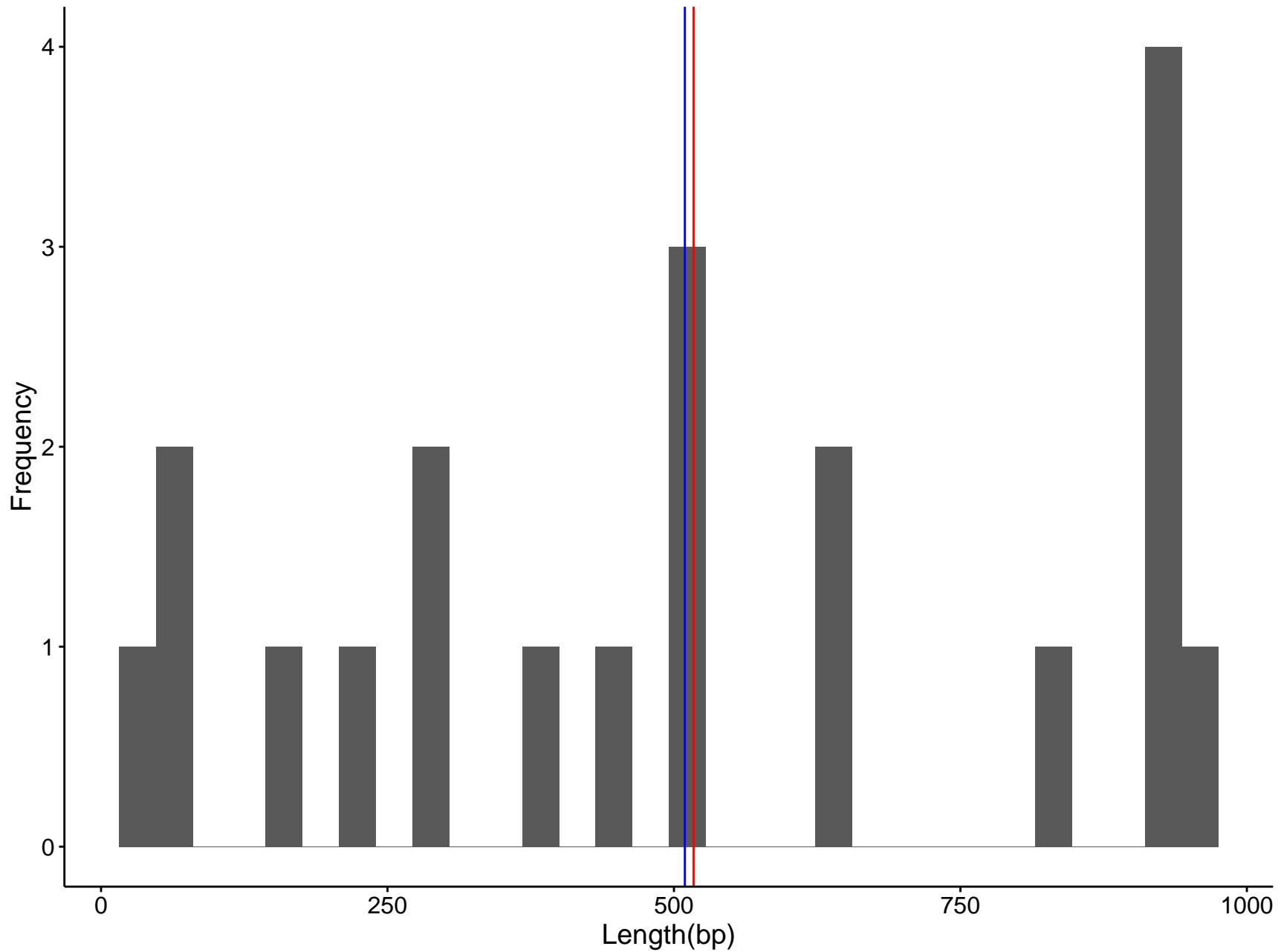
49.000

49.025

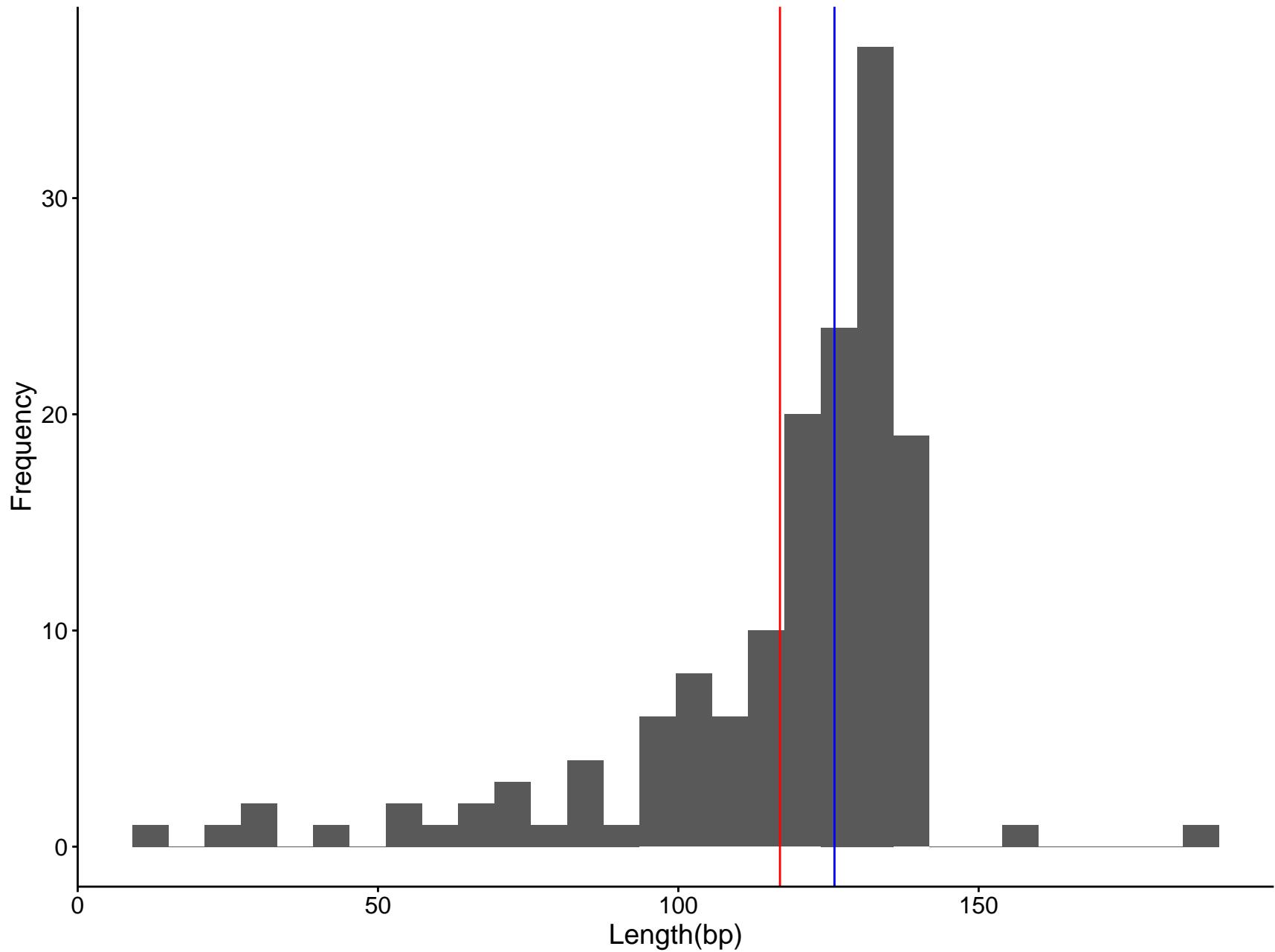
Length(bp)



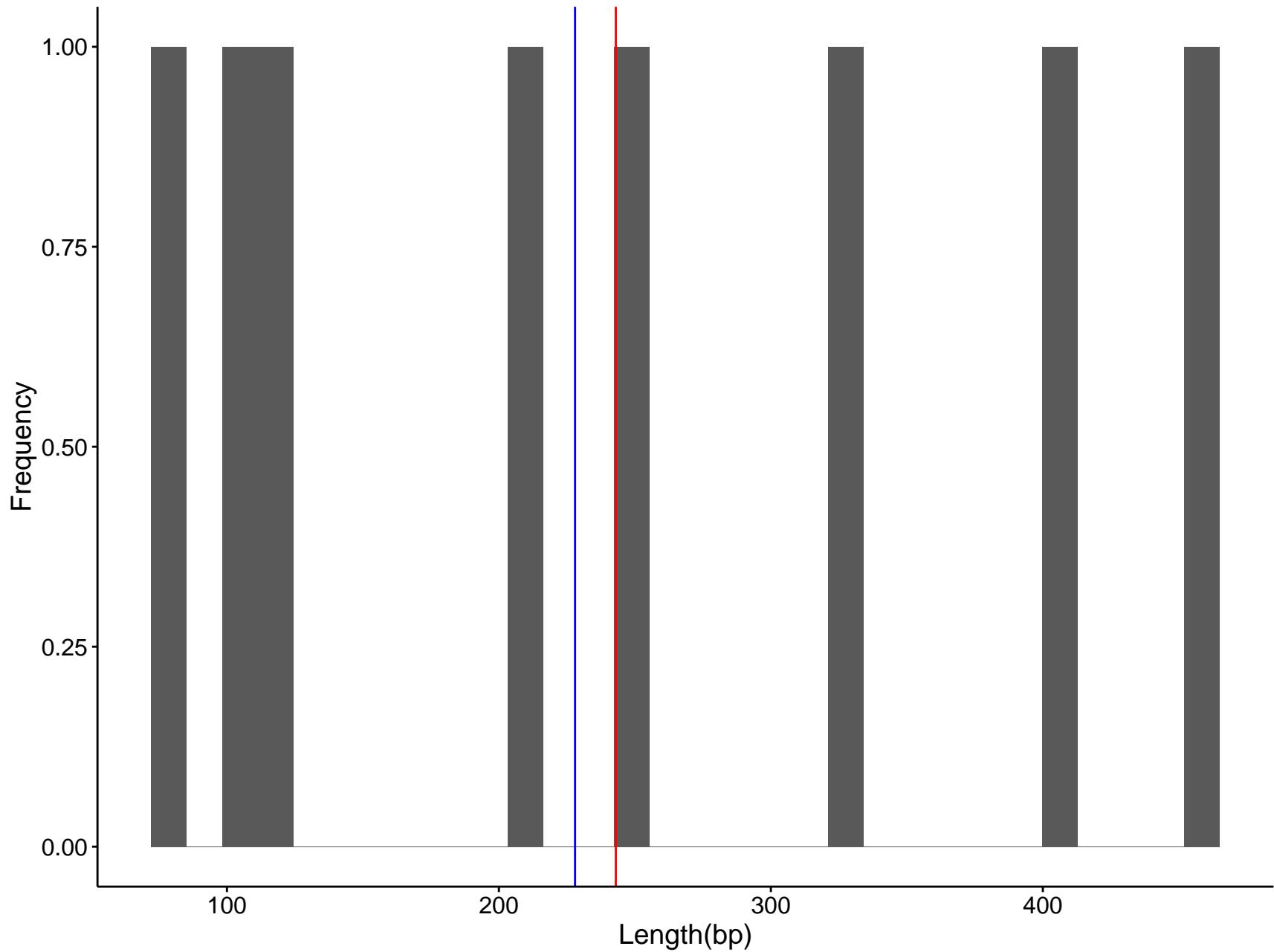
Cluster2654



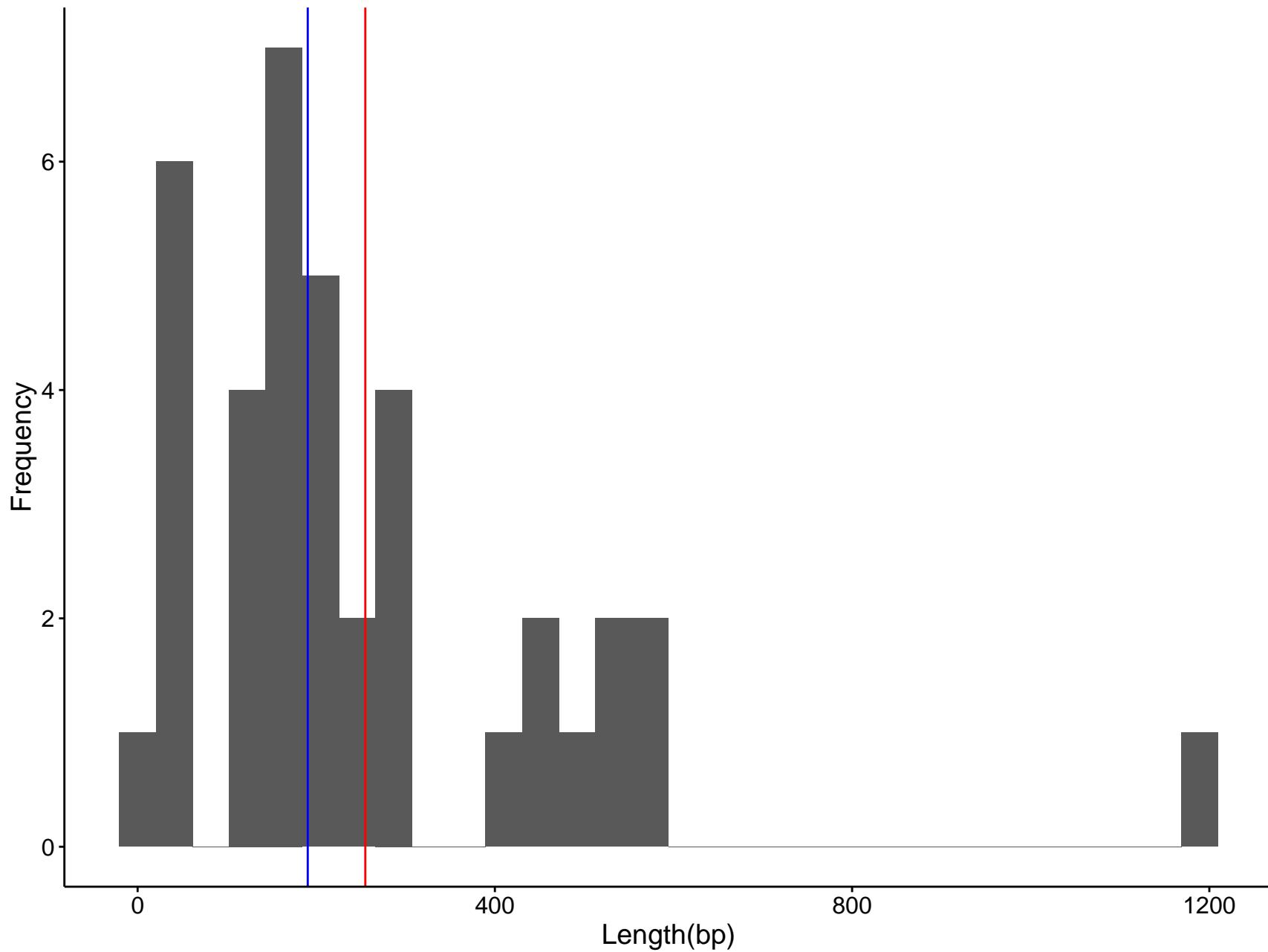
Cluster2656



Cluster2657



Cluster2659



# Cluster265

Frequency

195.950

195.975

196.000

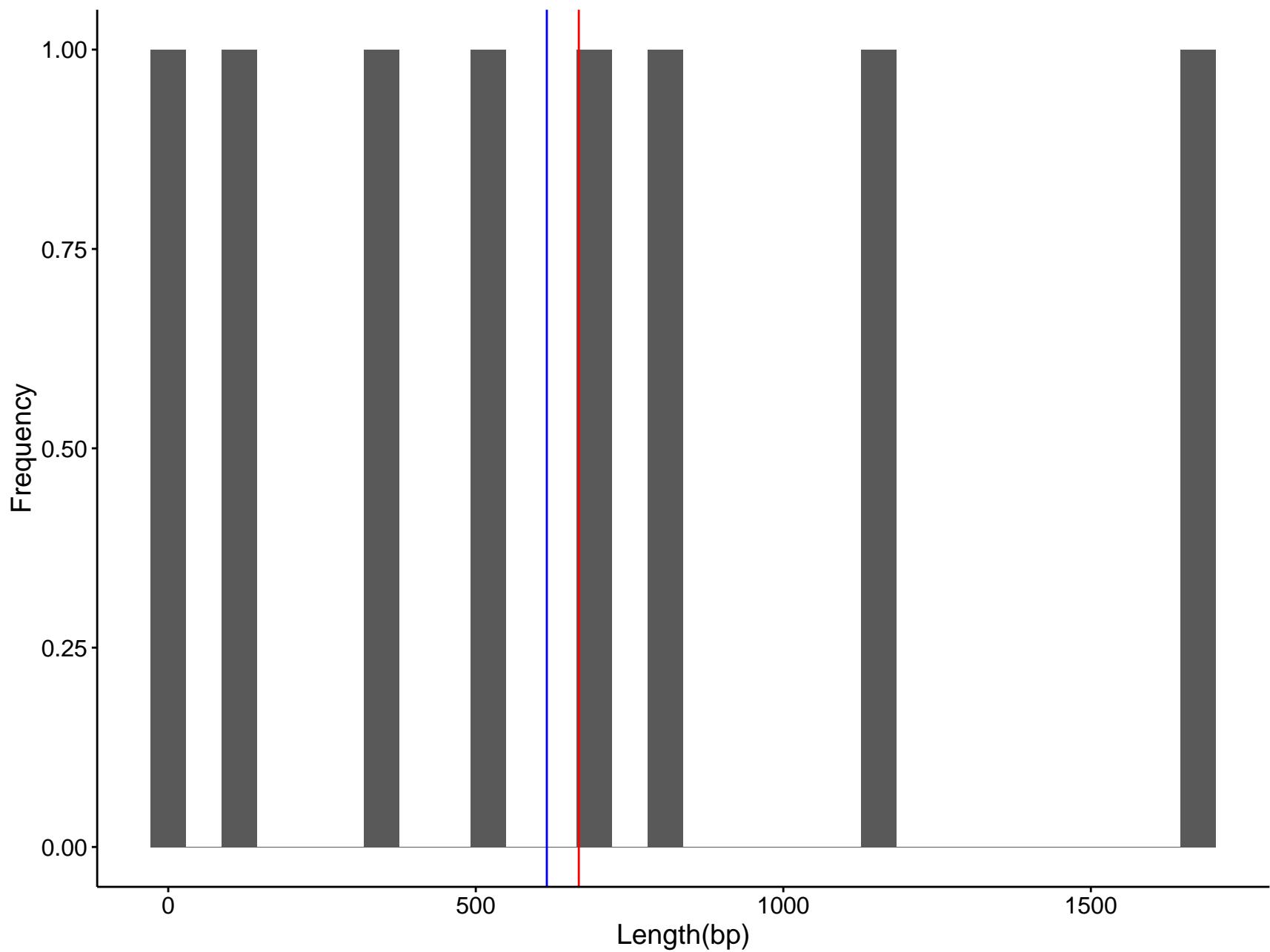
196.025

196.050

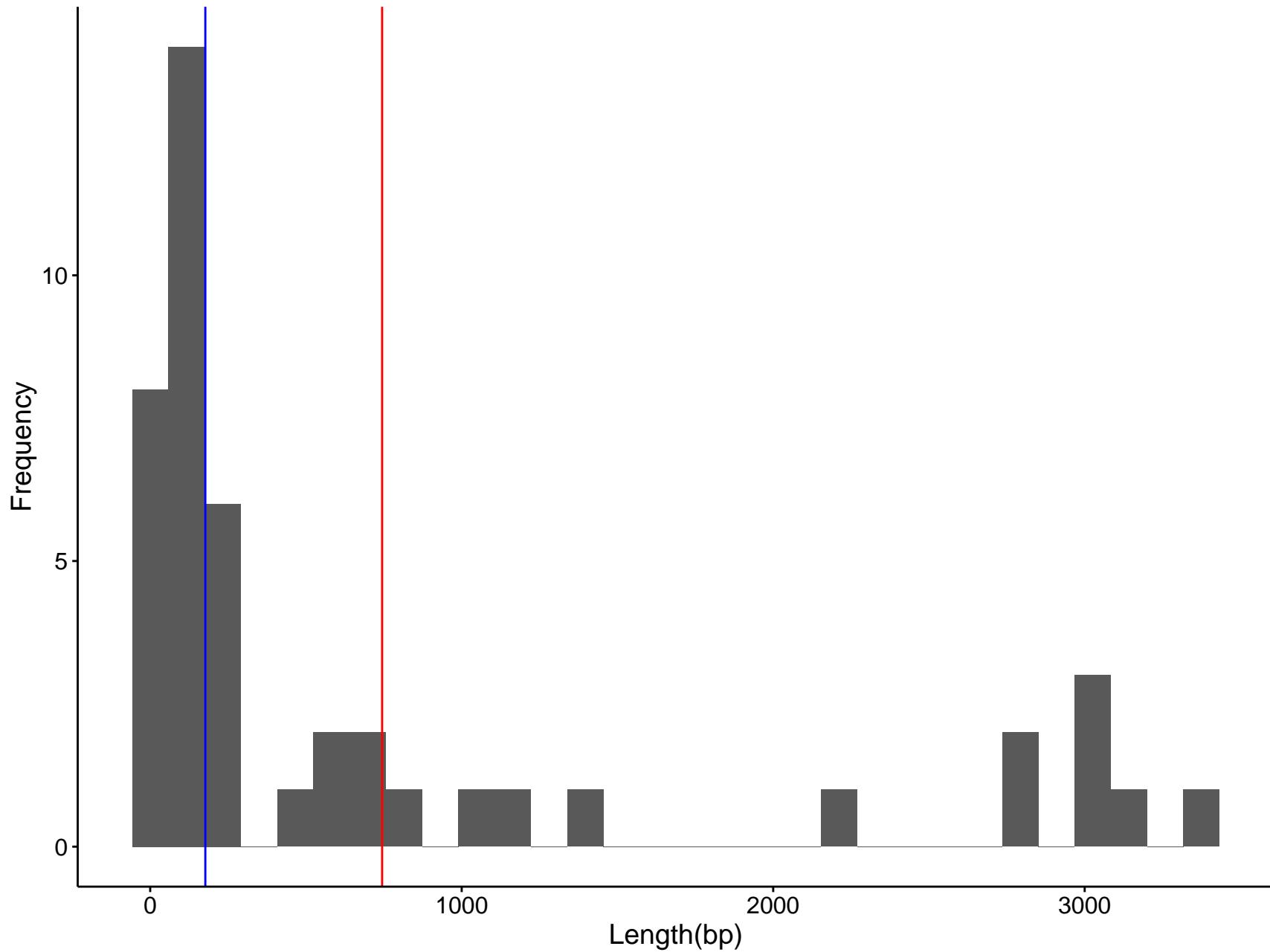
Length(bp)



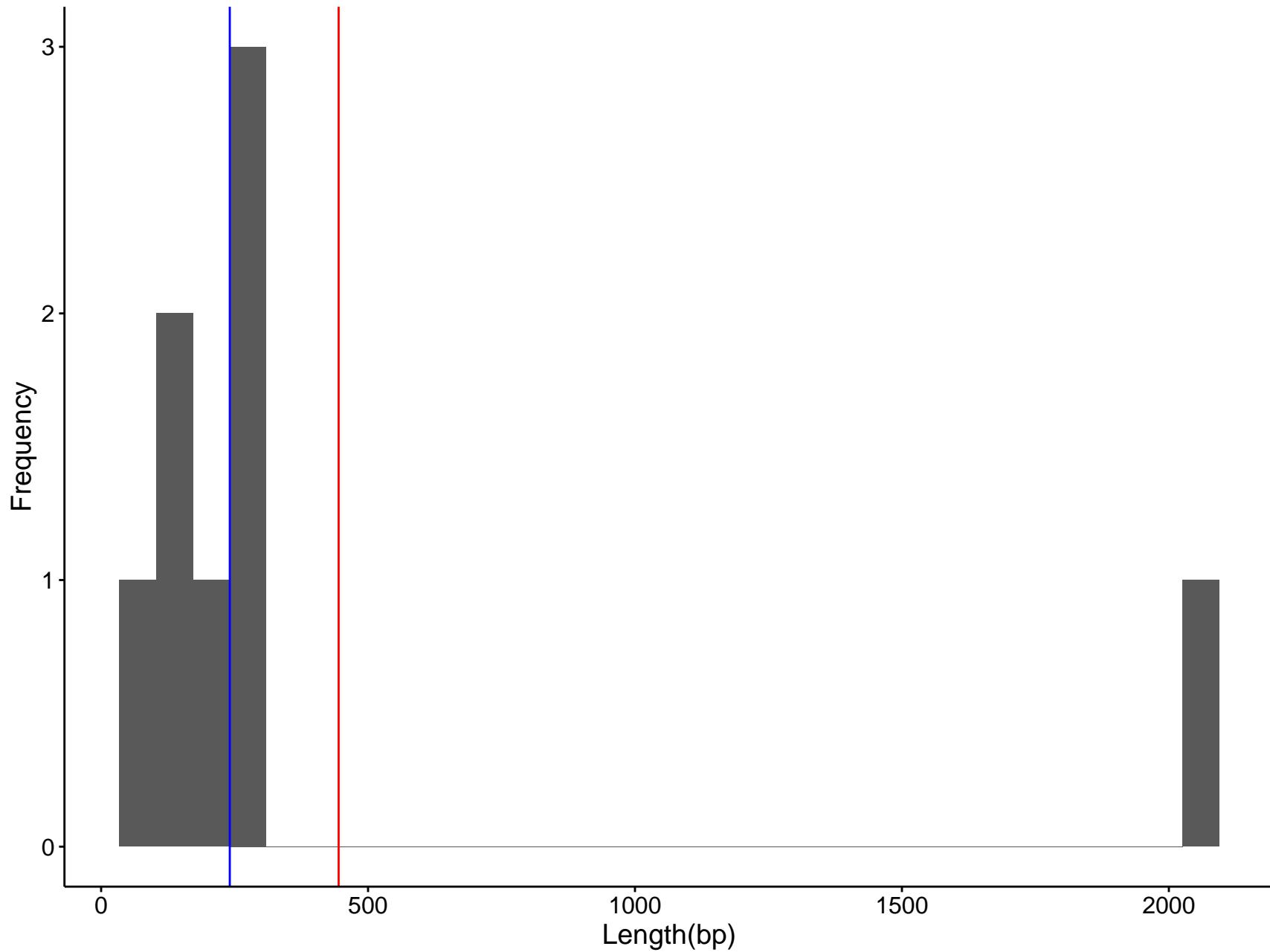
Cluster2661



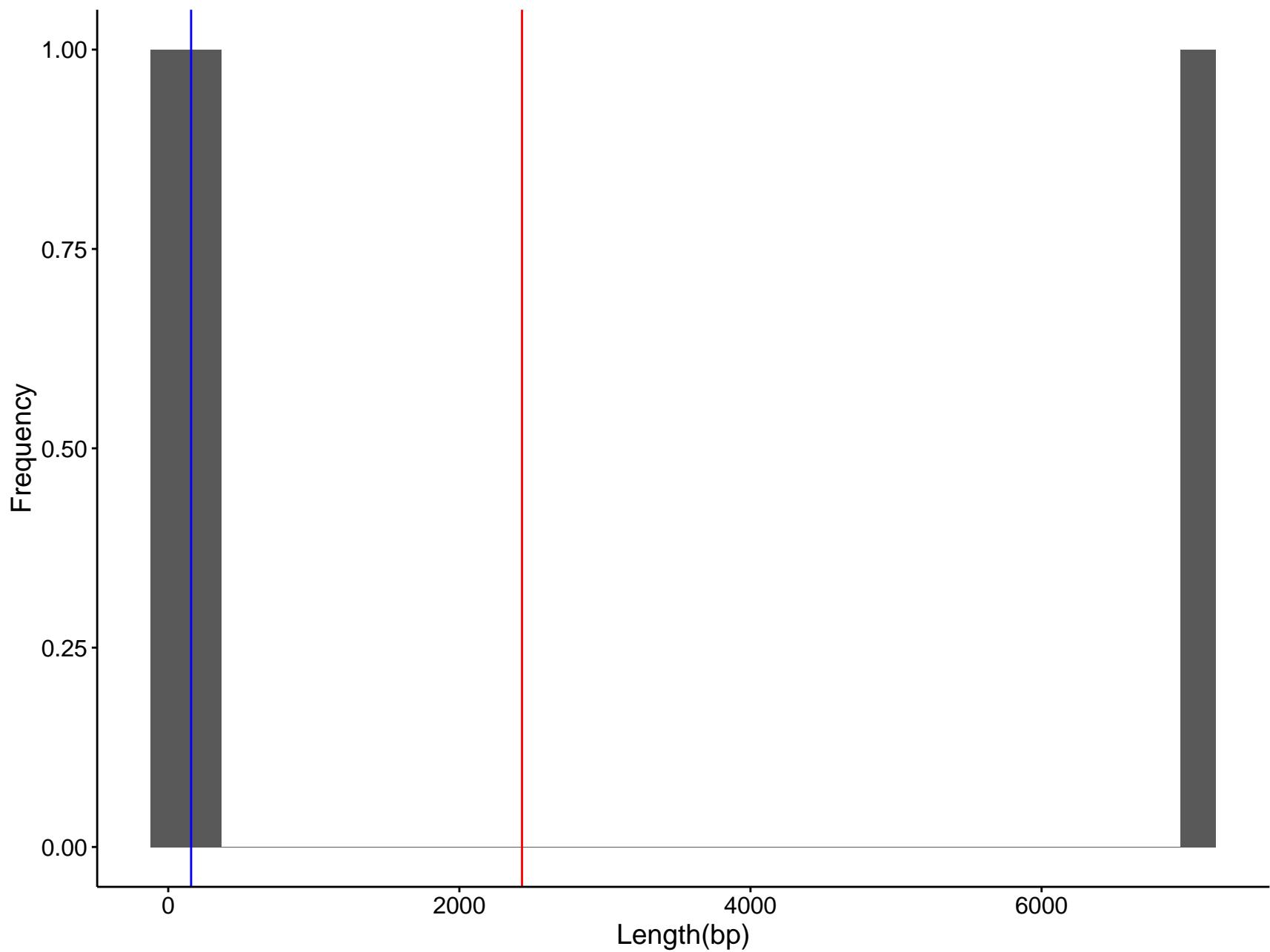
Cluster2662



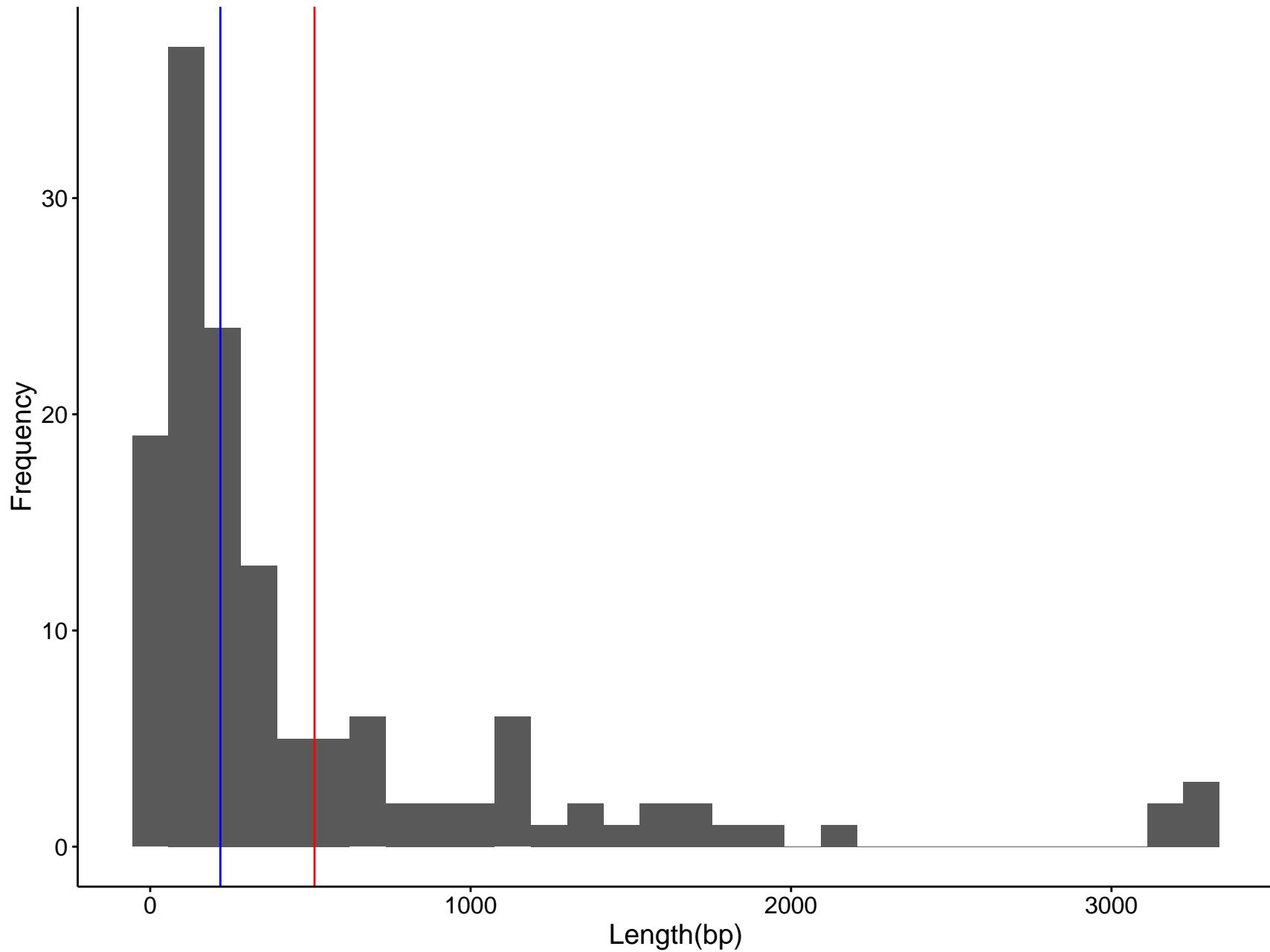
Cluster2663



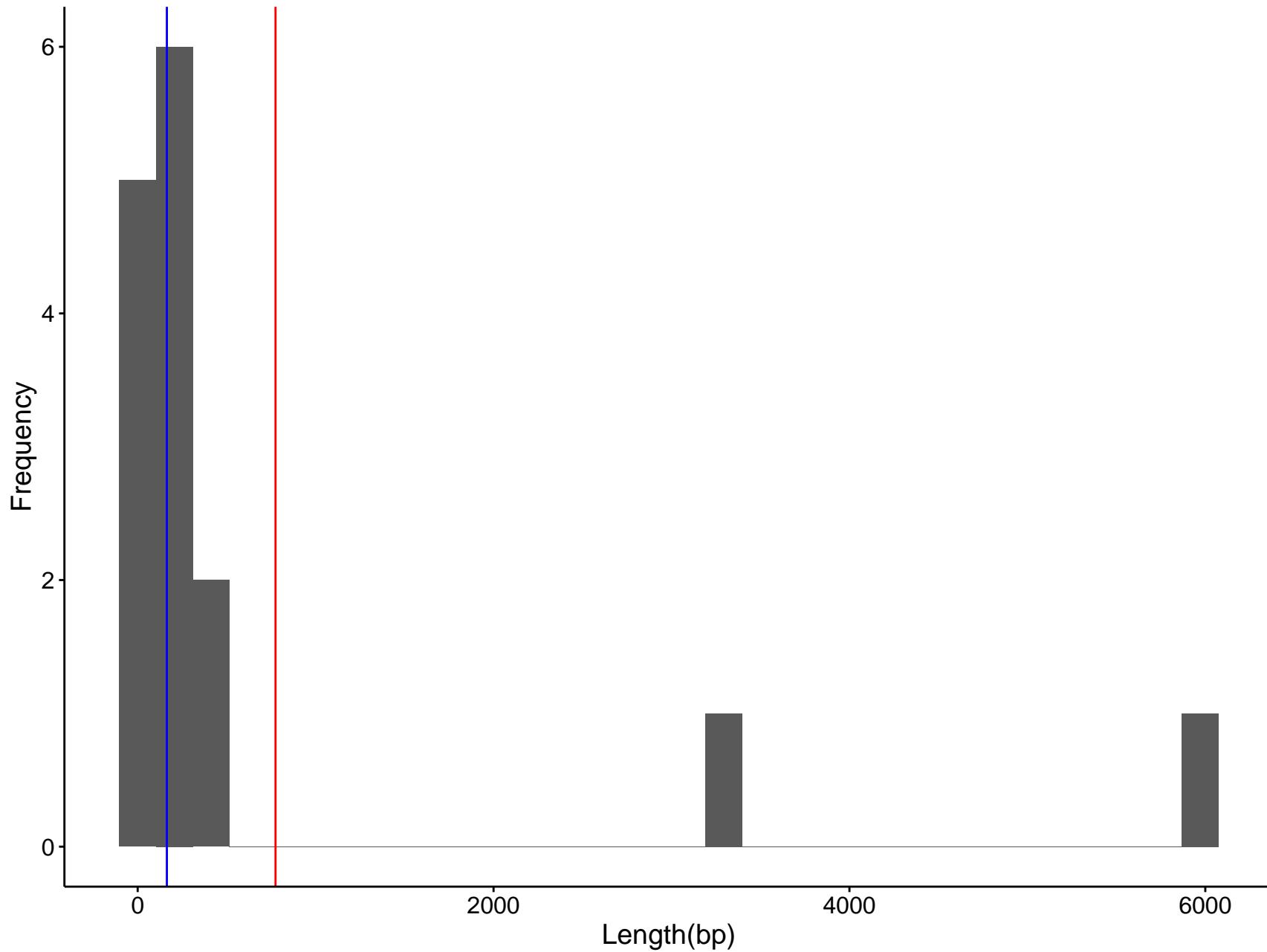
Cluster2664



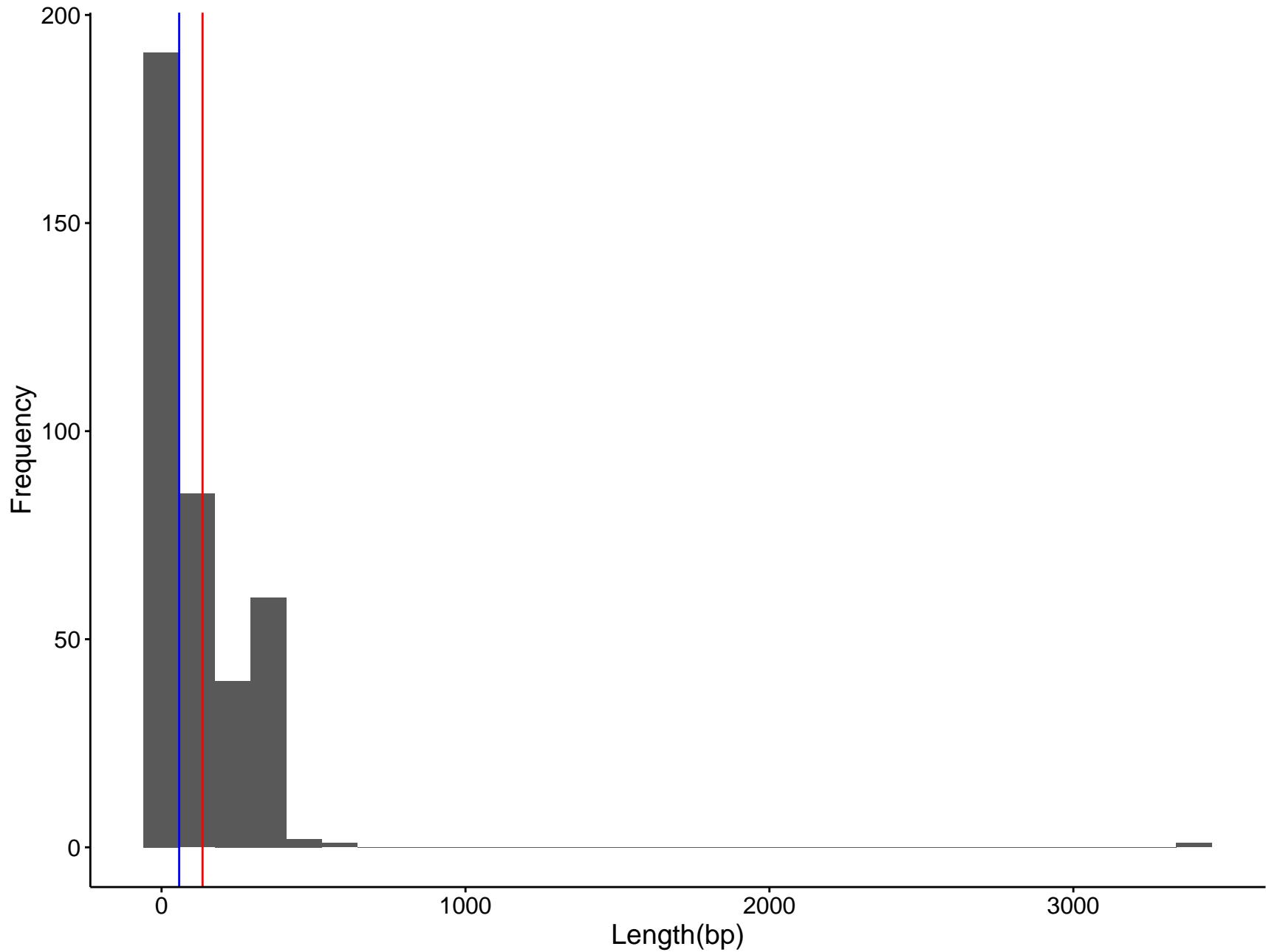
Cluster2665



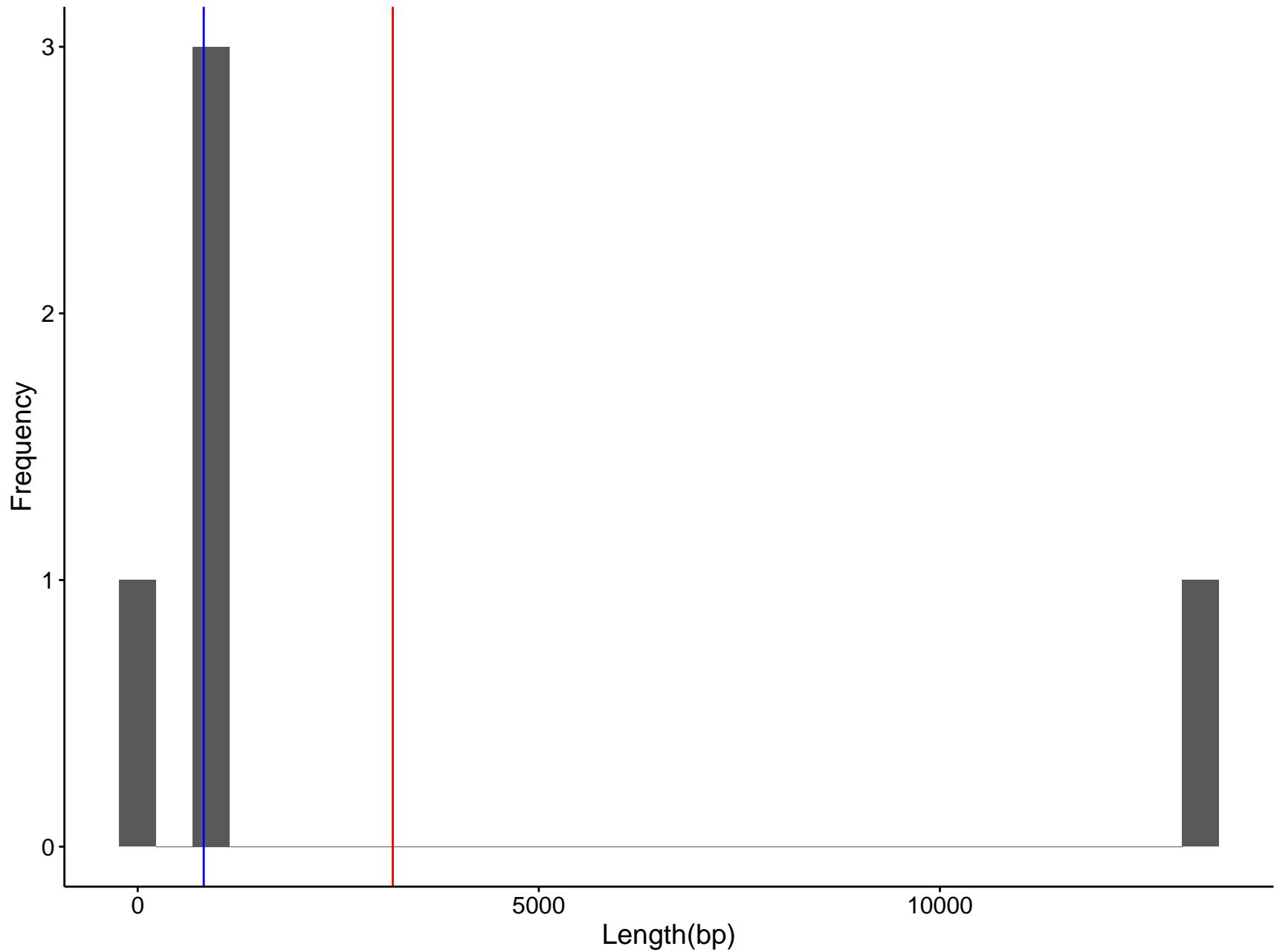
Cluster2666



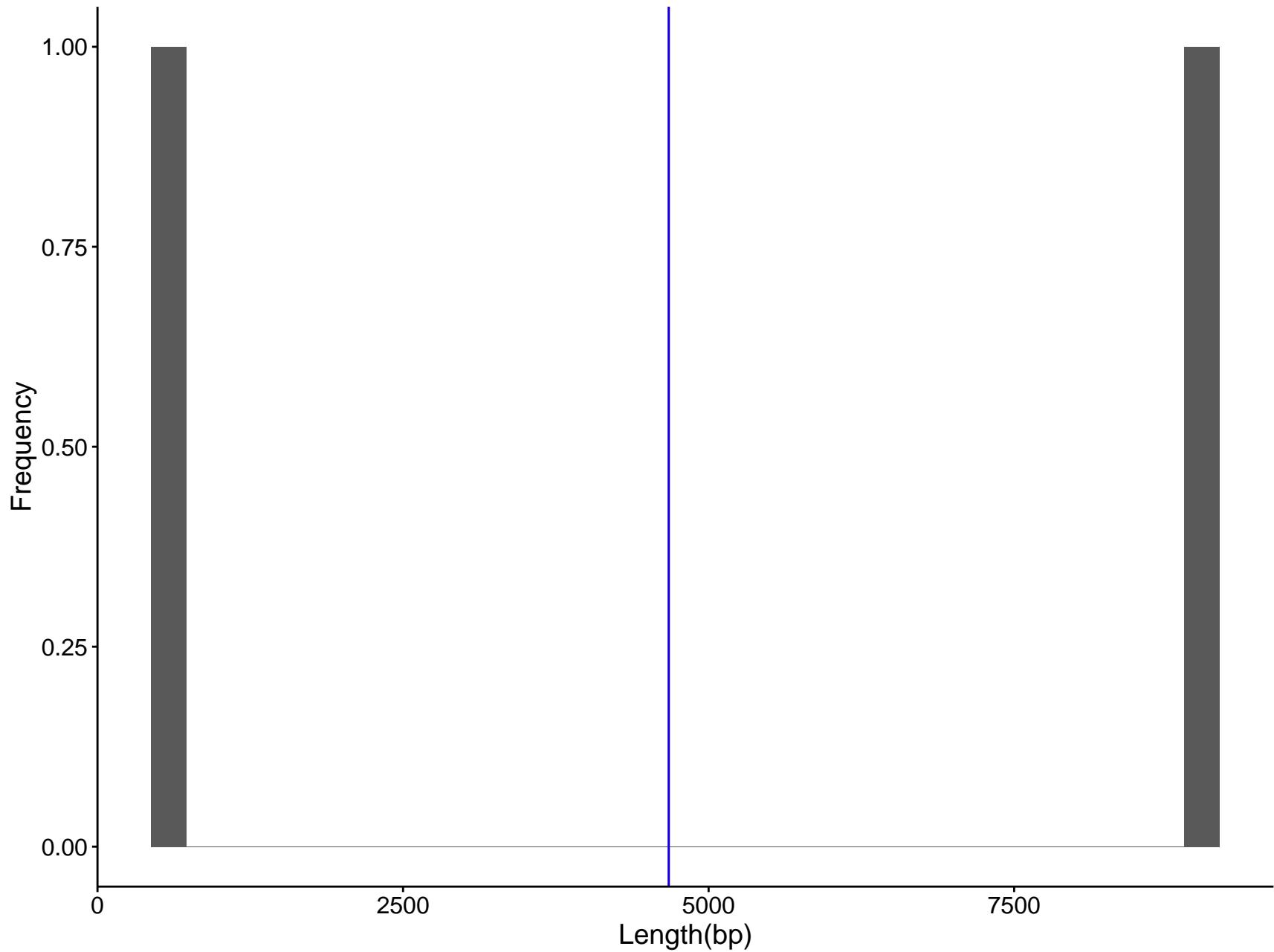
Cluster2667



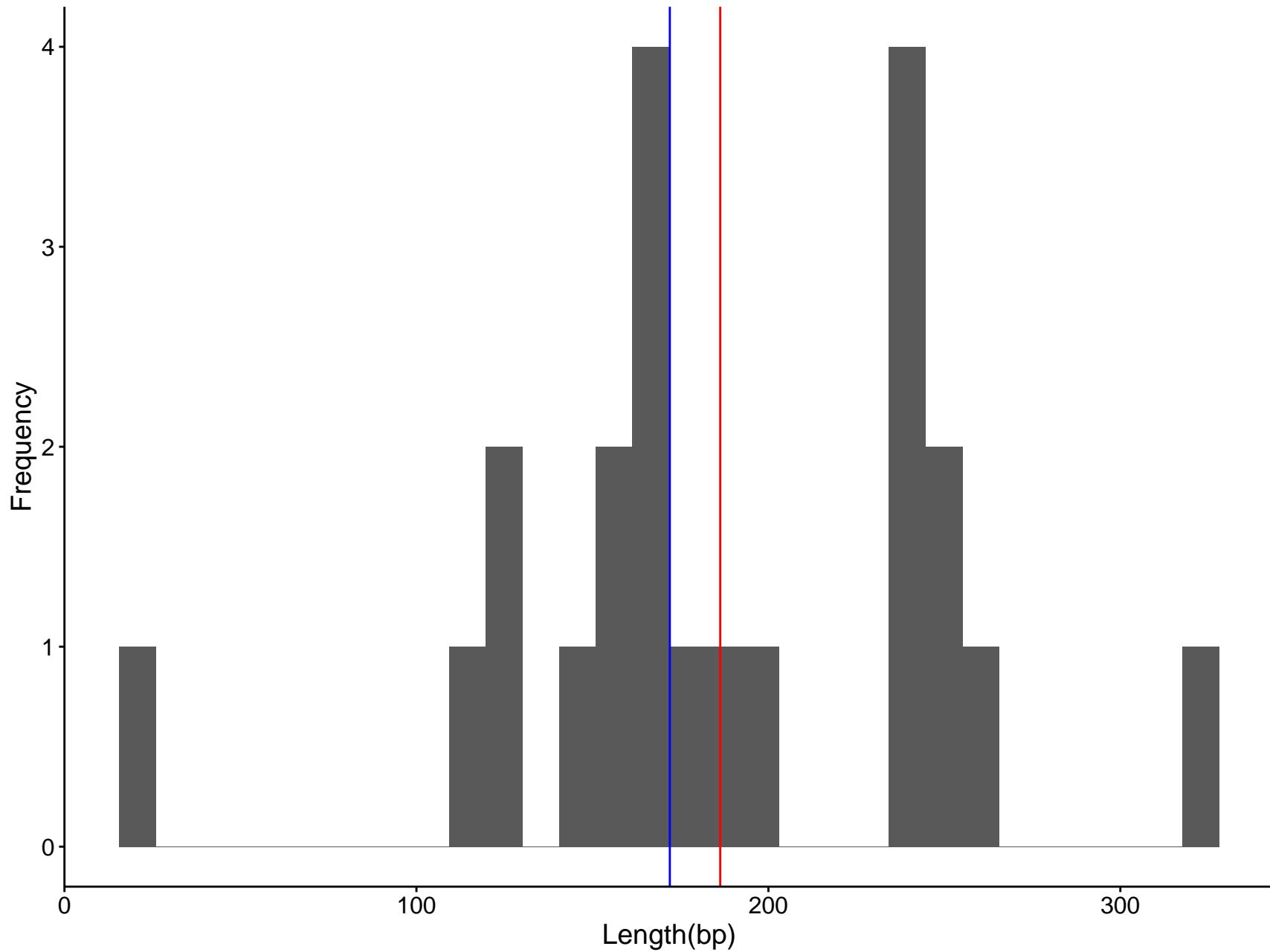
Cluster2668



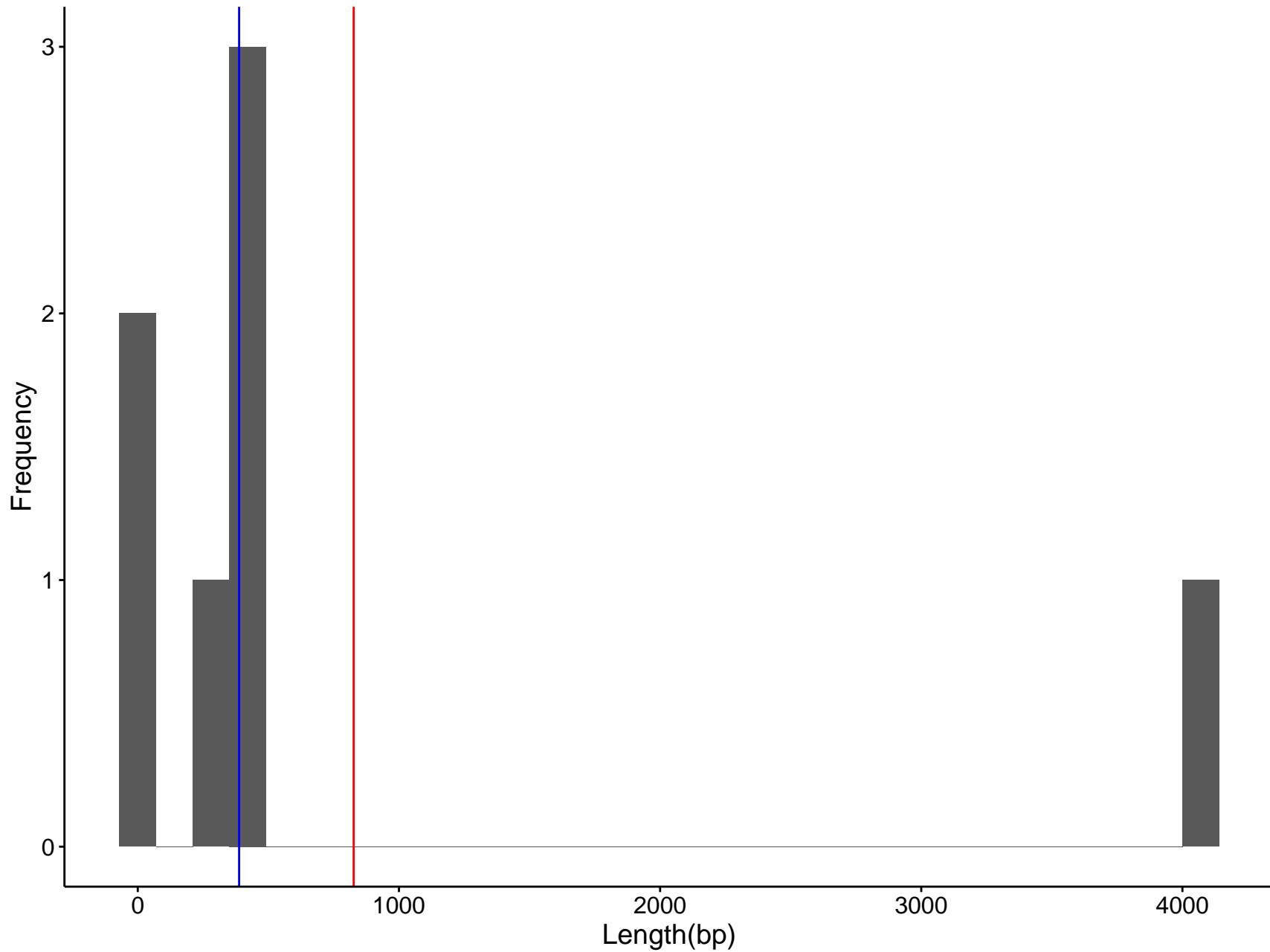
Cluster2669



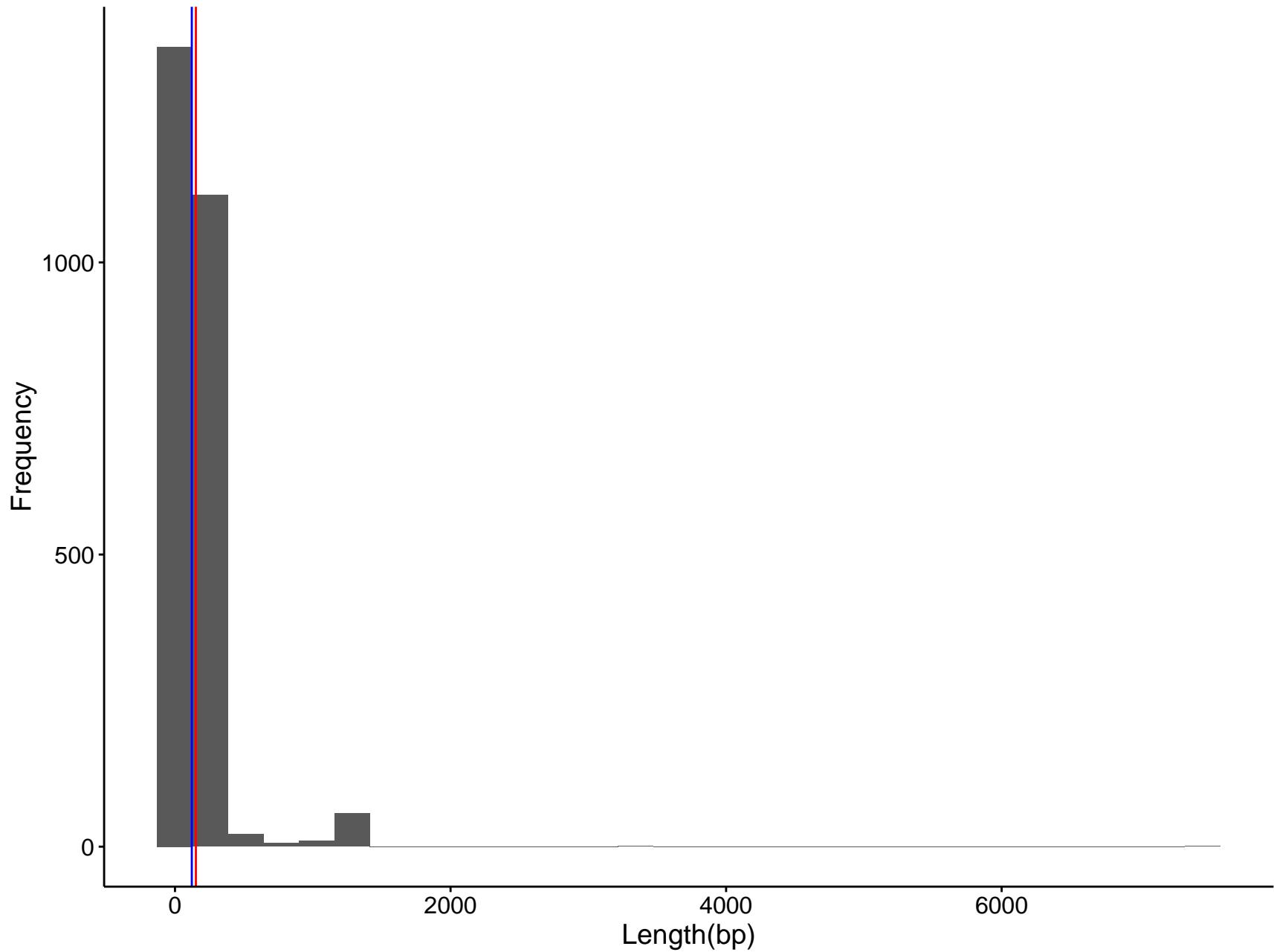
Cluster266



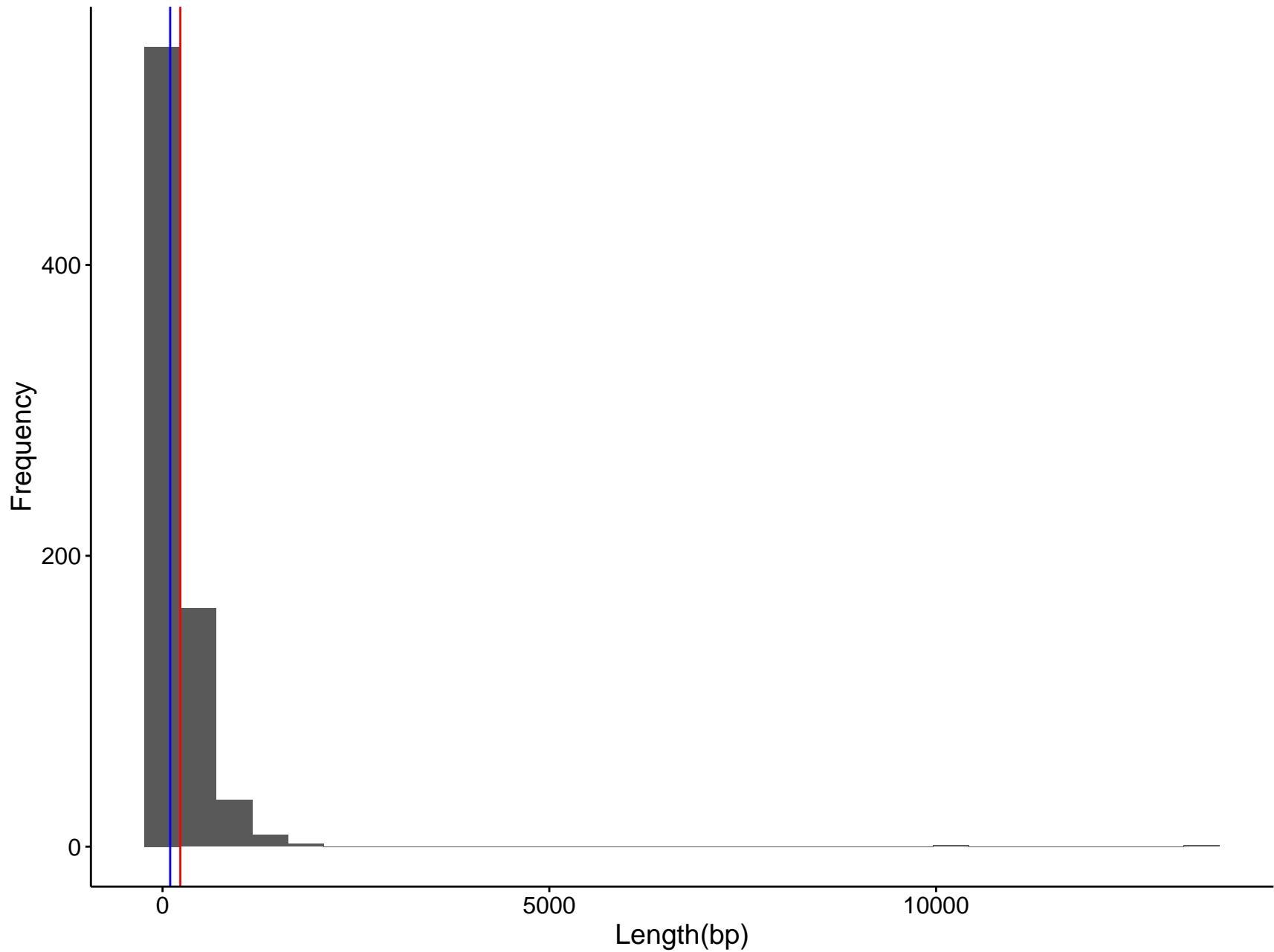
Cluster2670



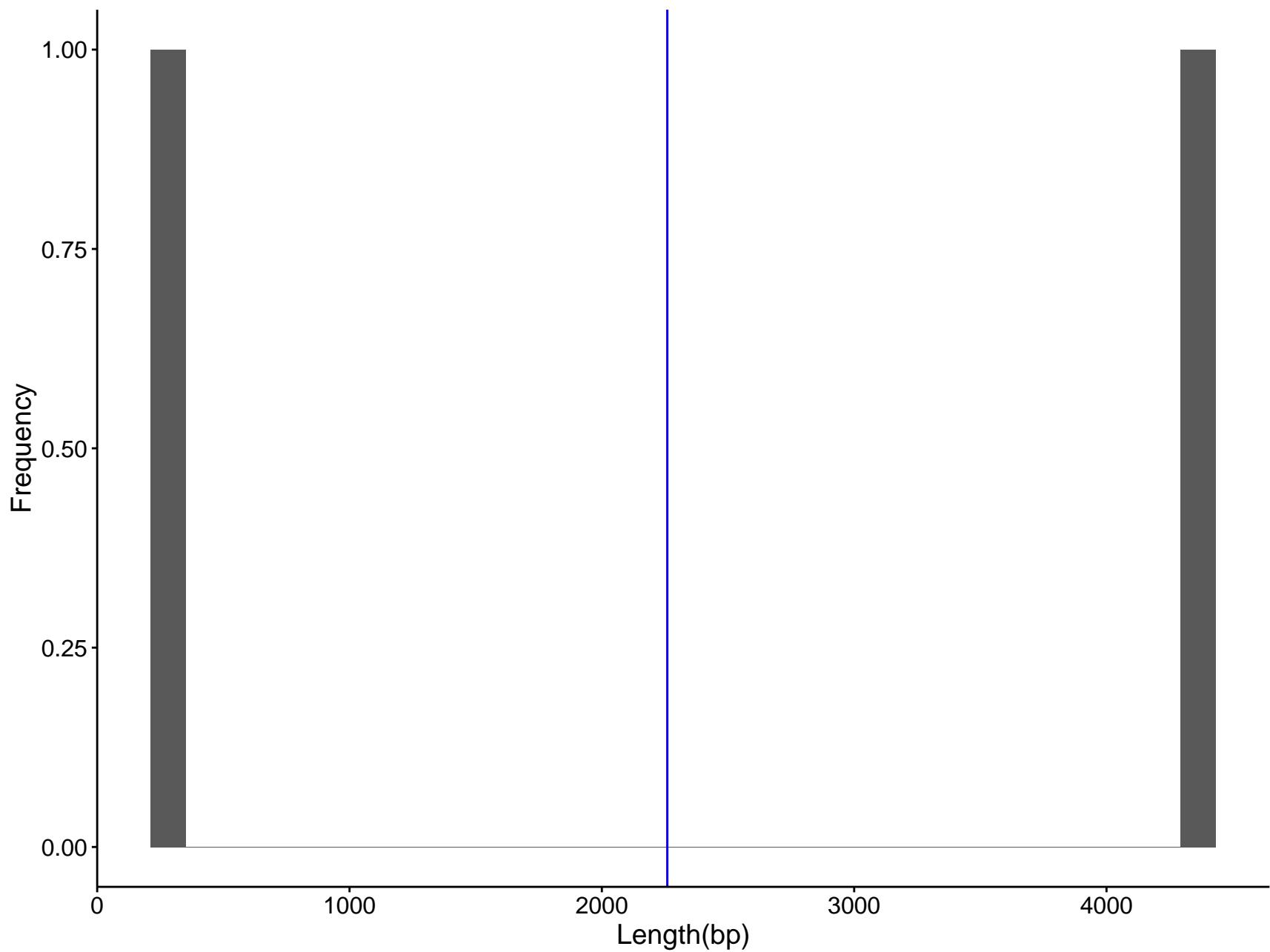
Cluster2671



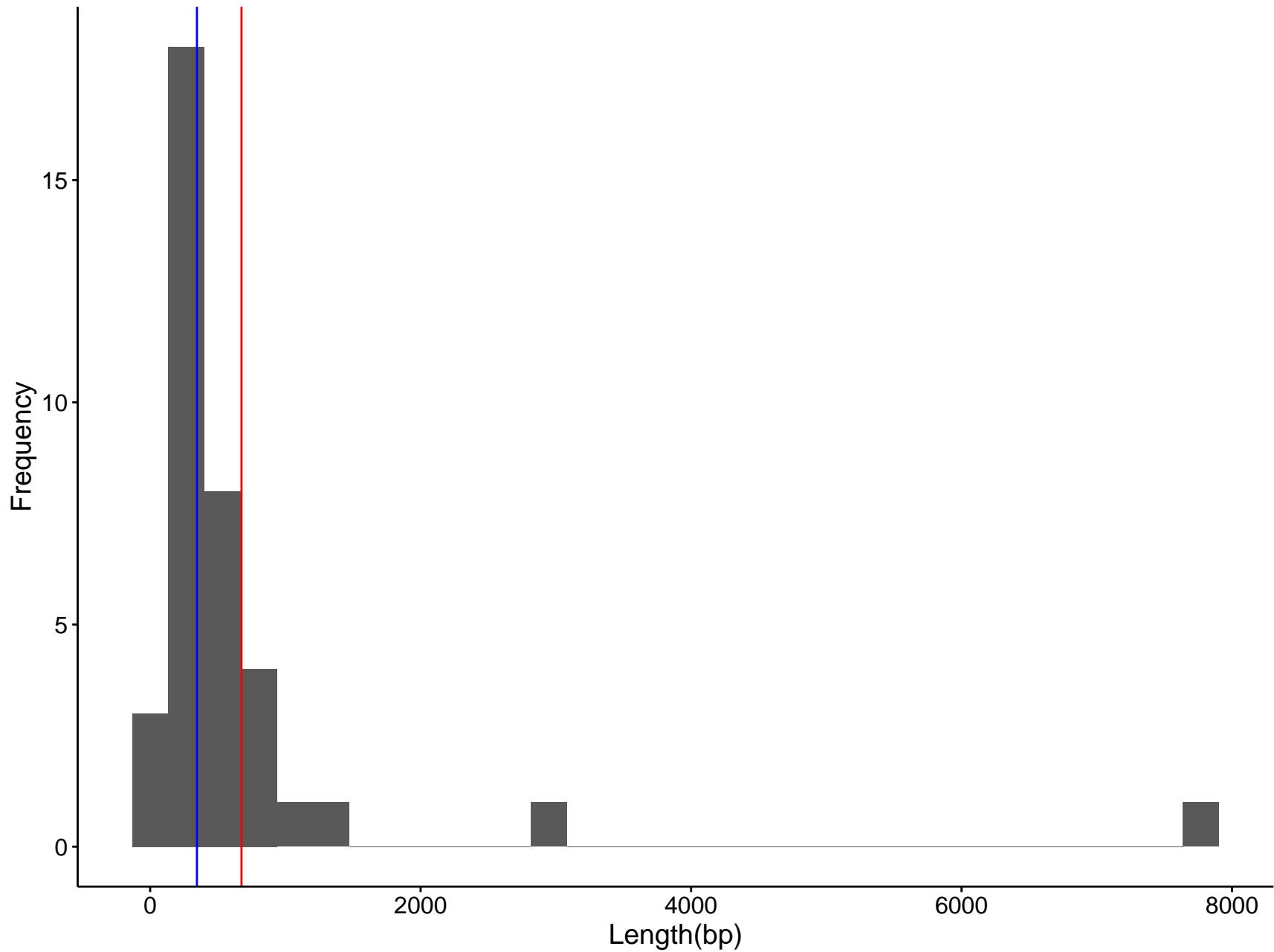
Cluster2672



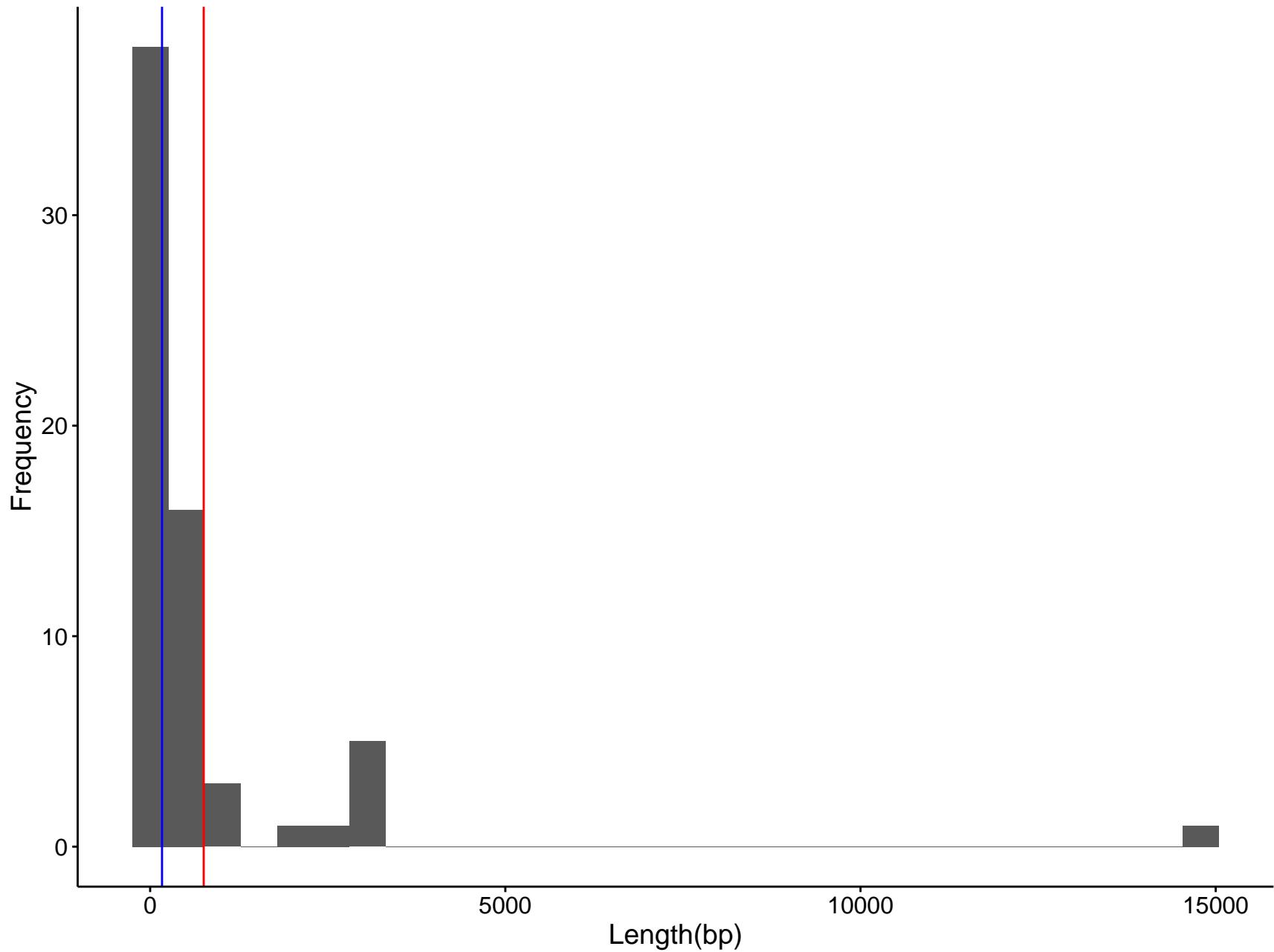
Cluster2673



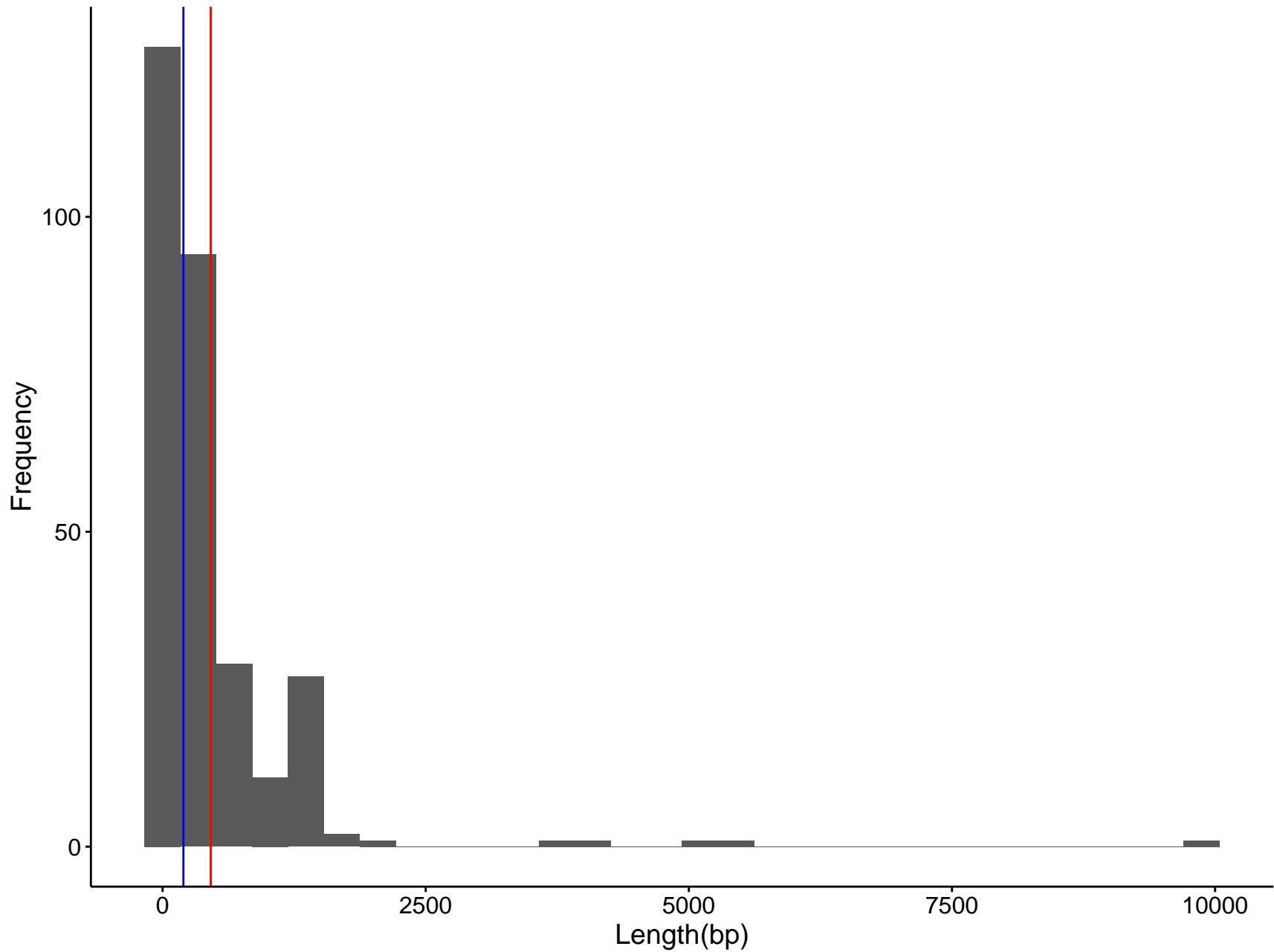
Cluster2674



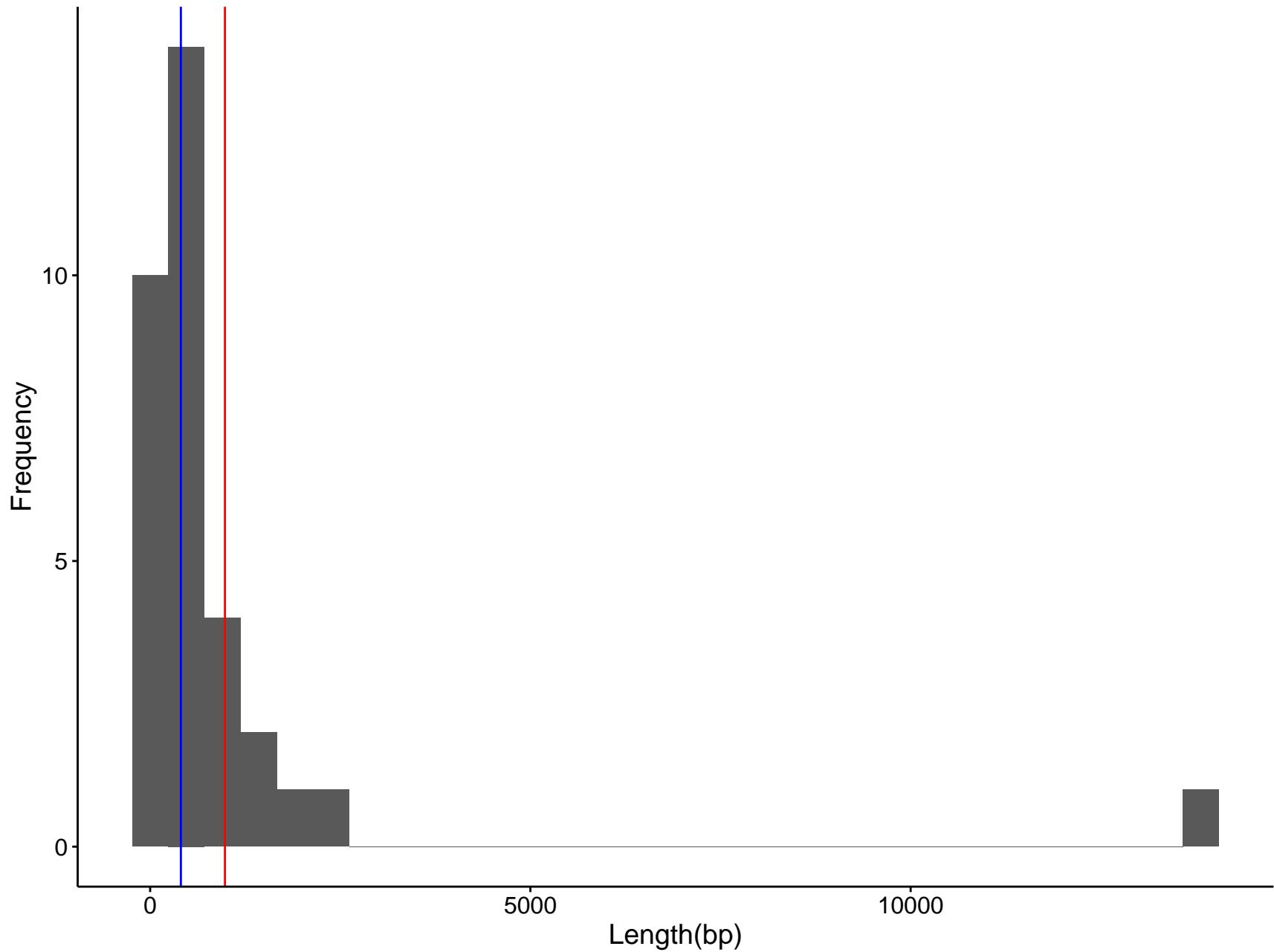
Cluster2675



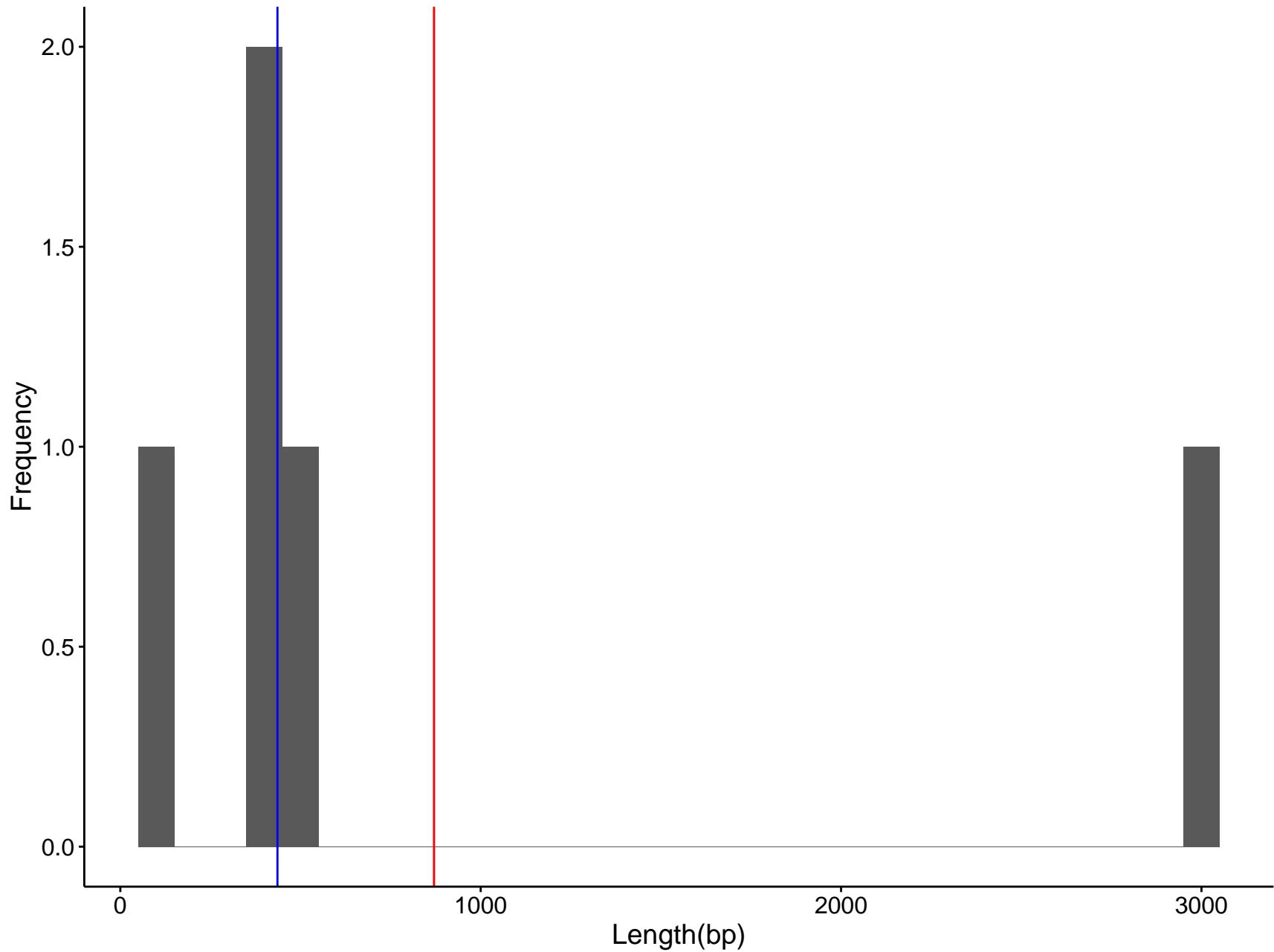
Cluster2676



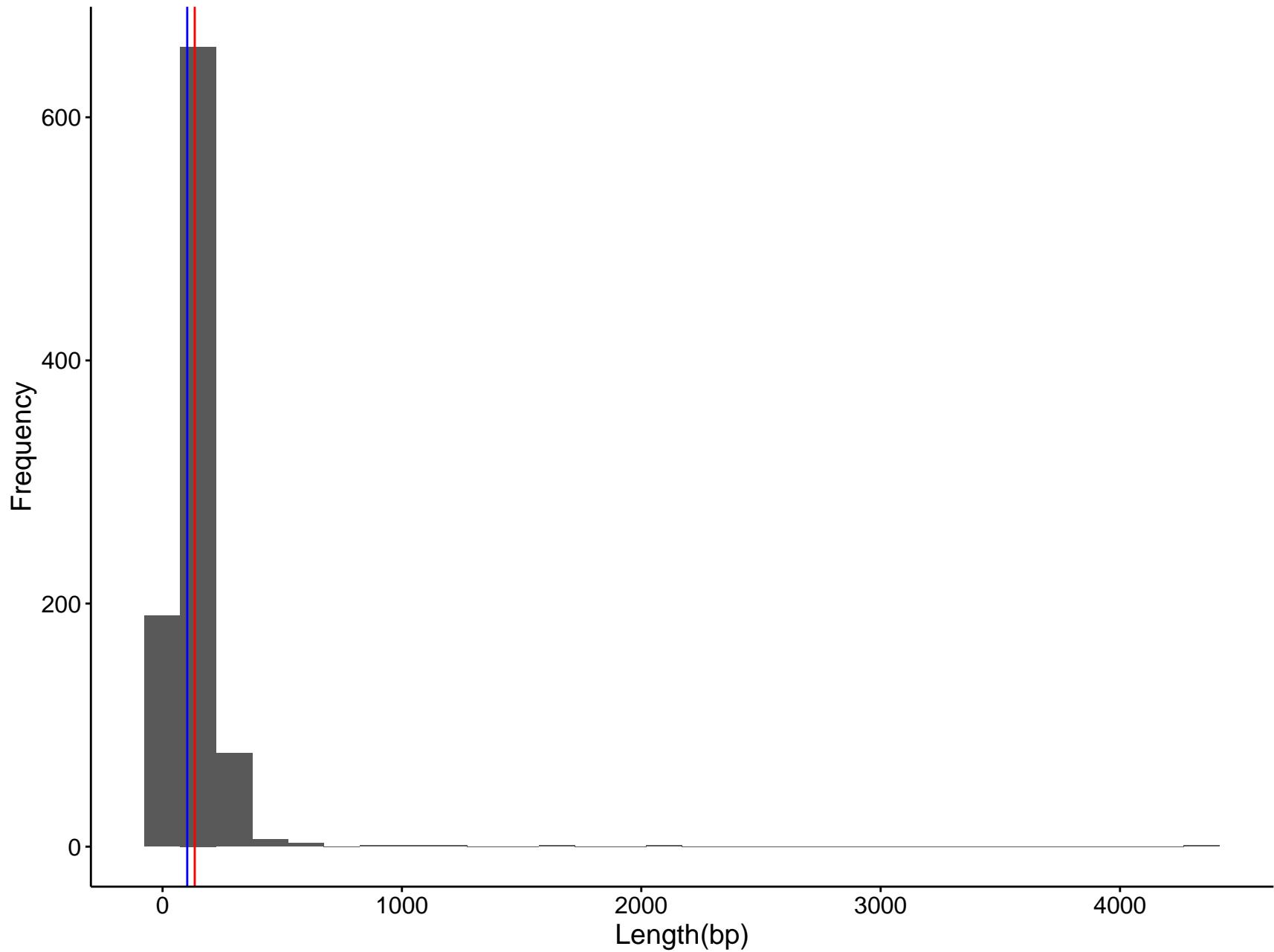
Cluster2677



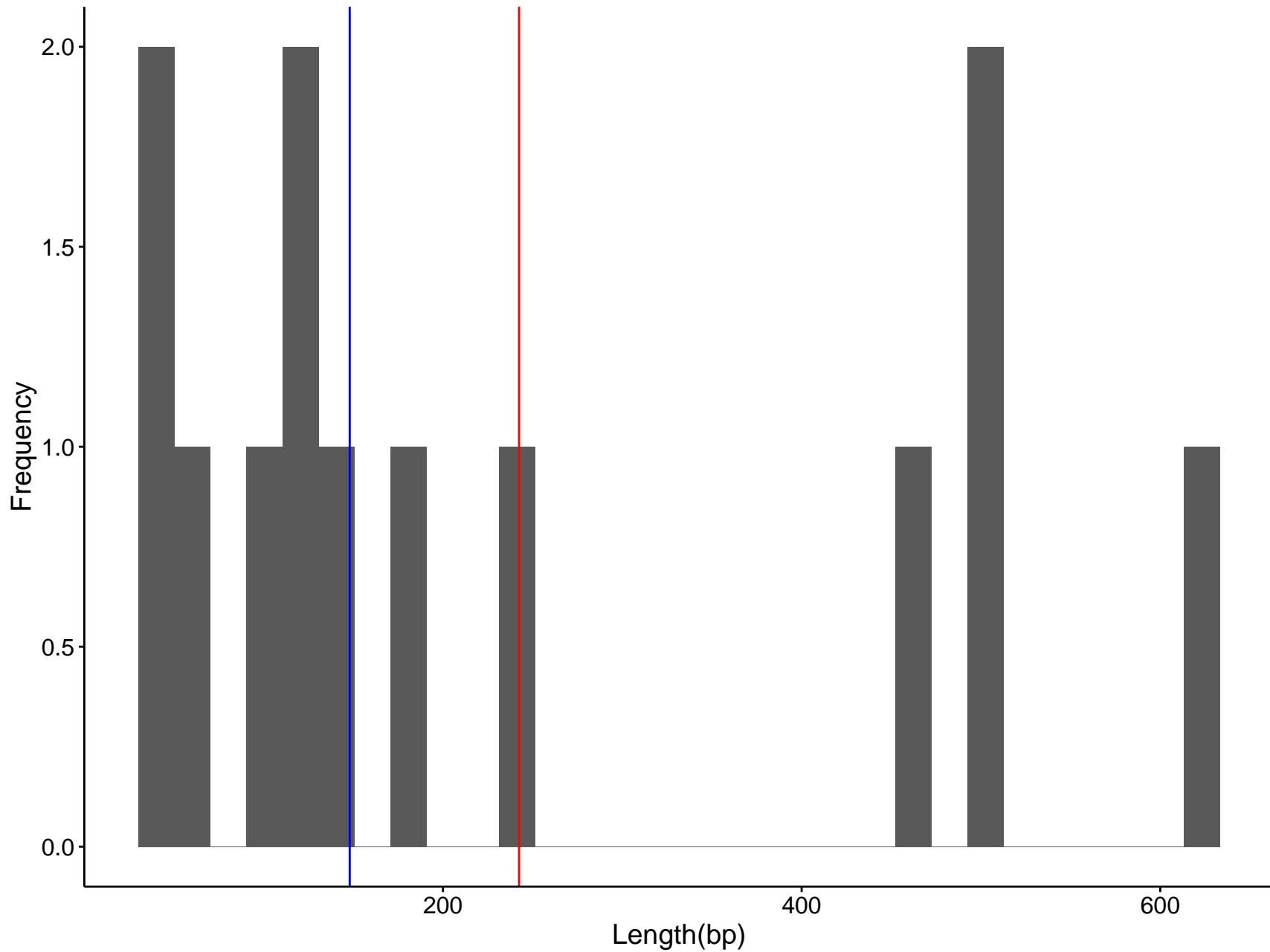
Cluster2678



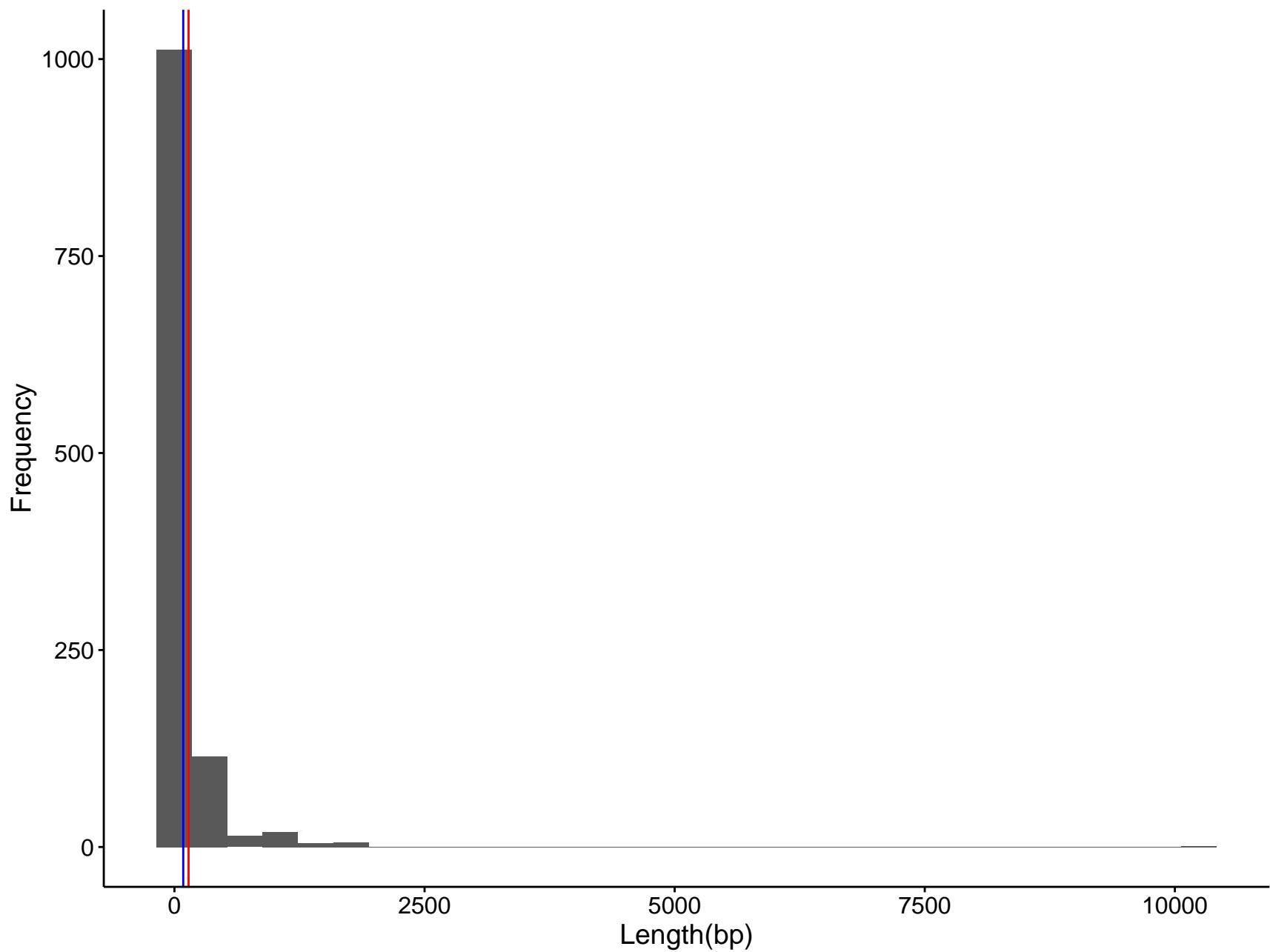
Cluster2679



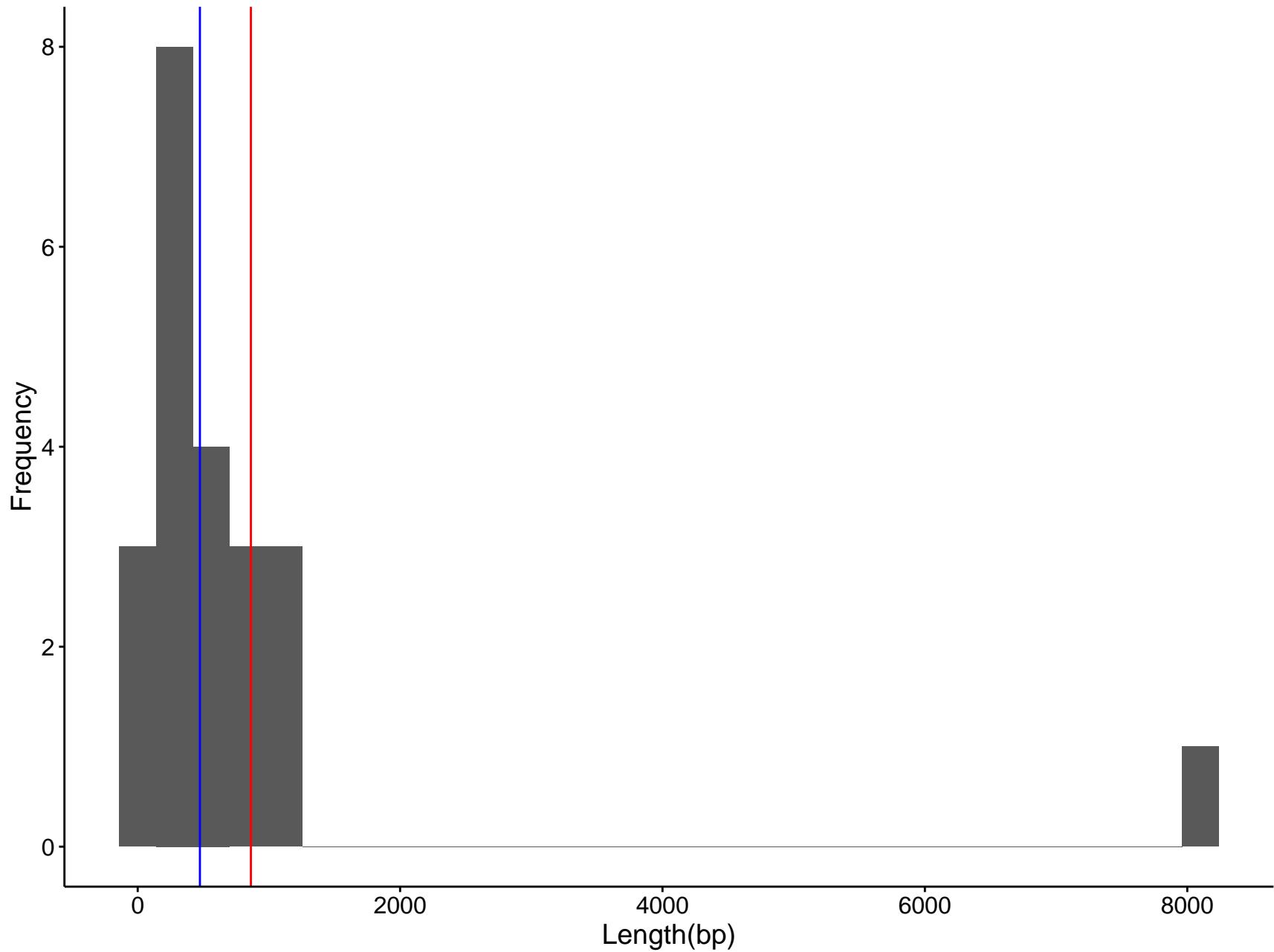
Cluster267



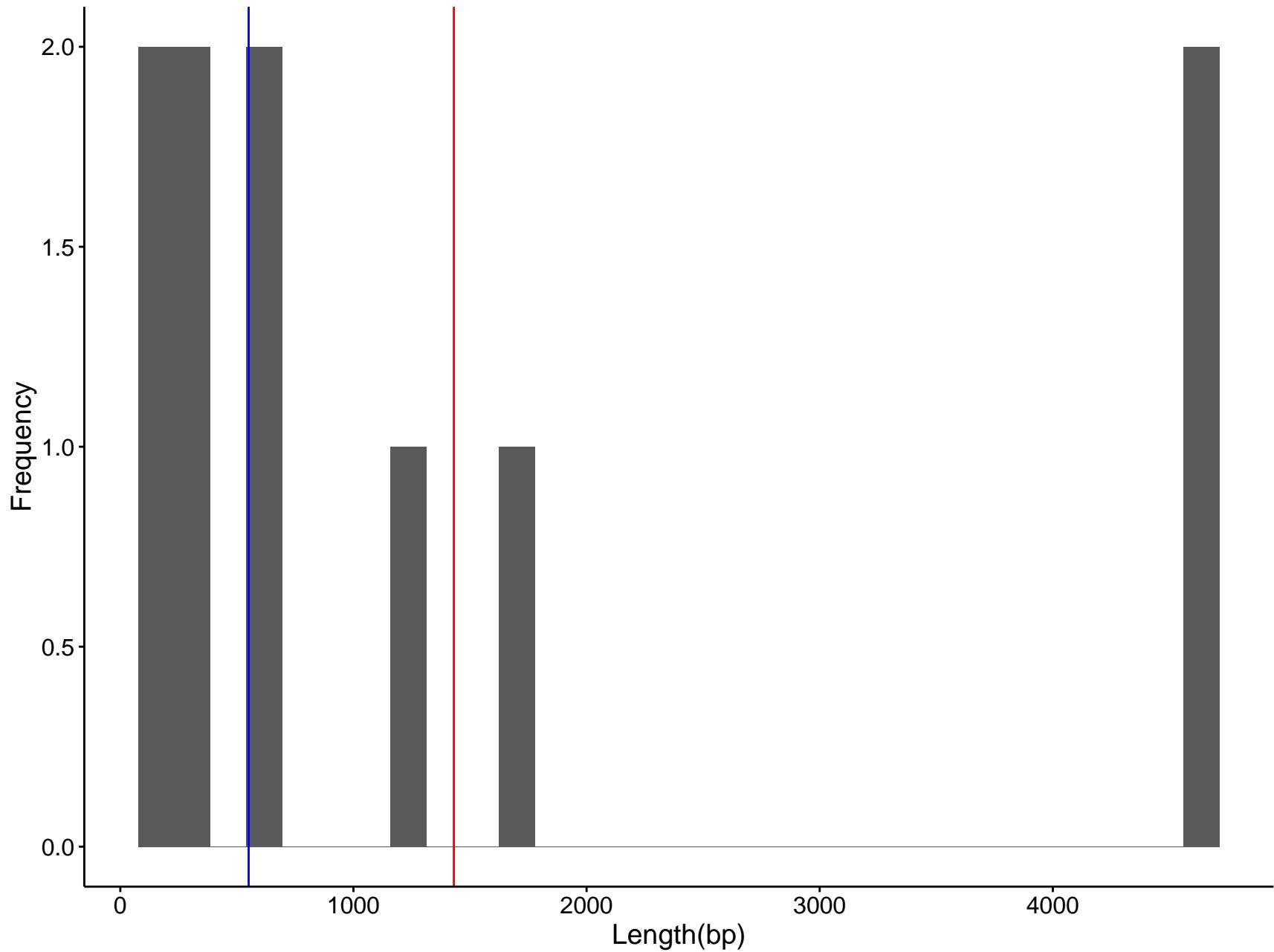
Cluster2680



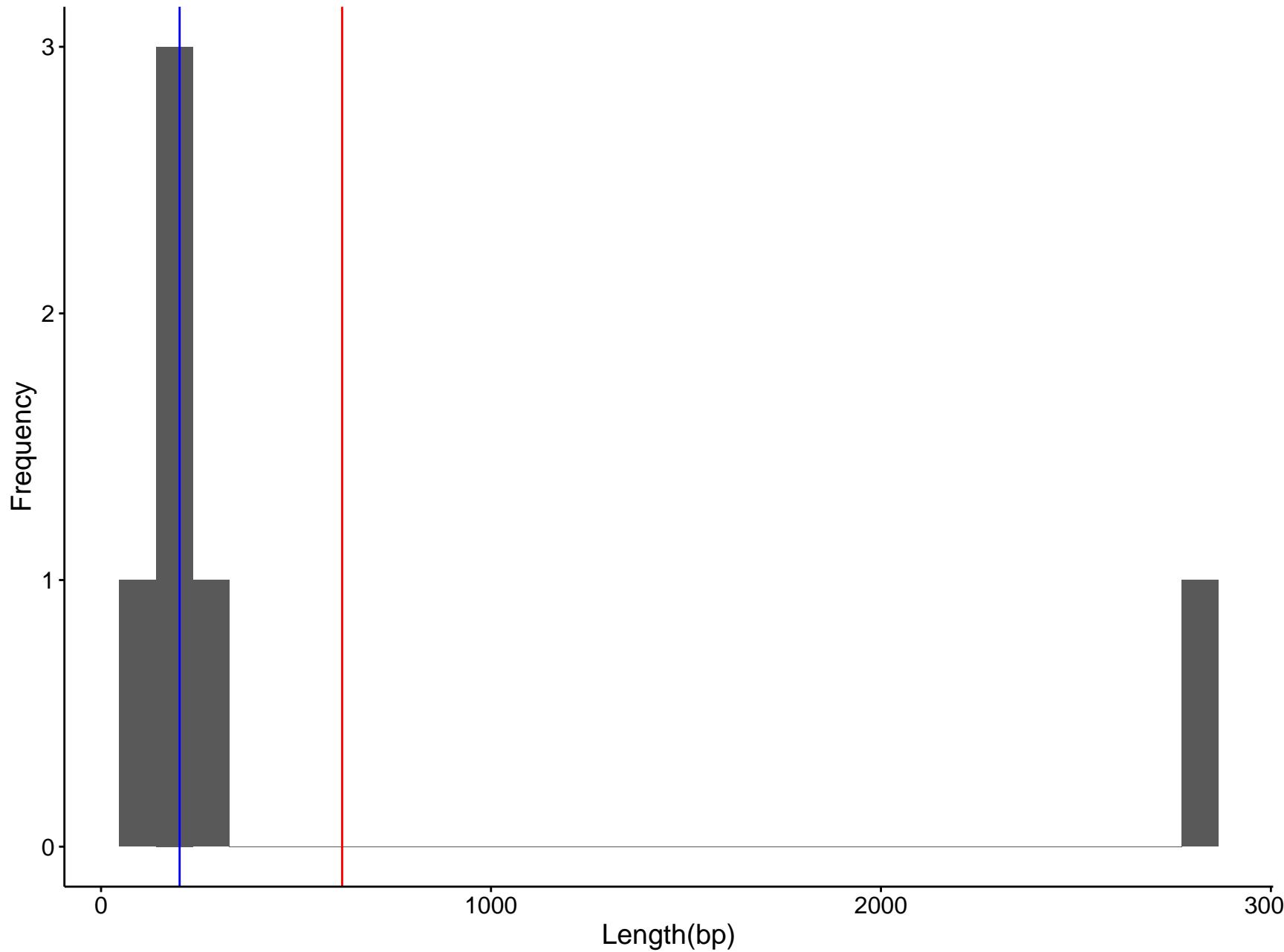
Cluster2681



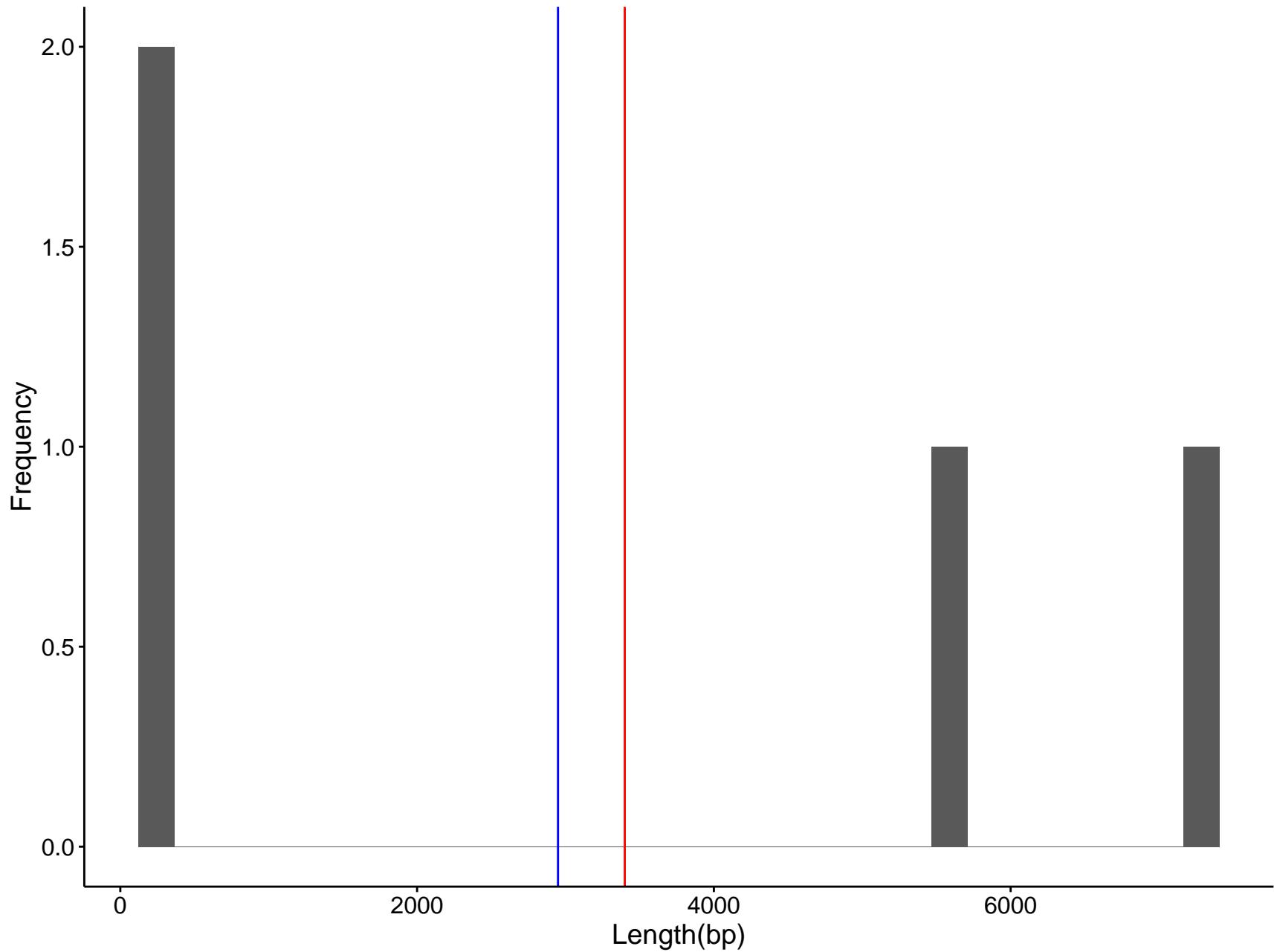
Cluster2682



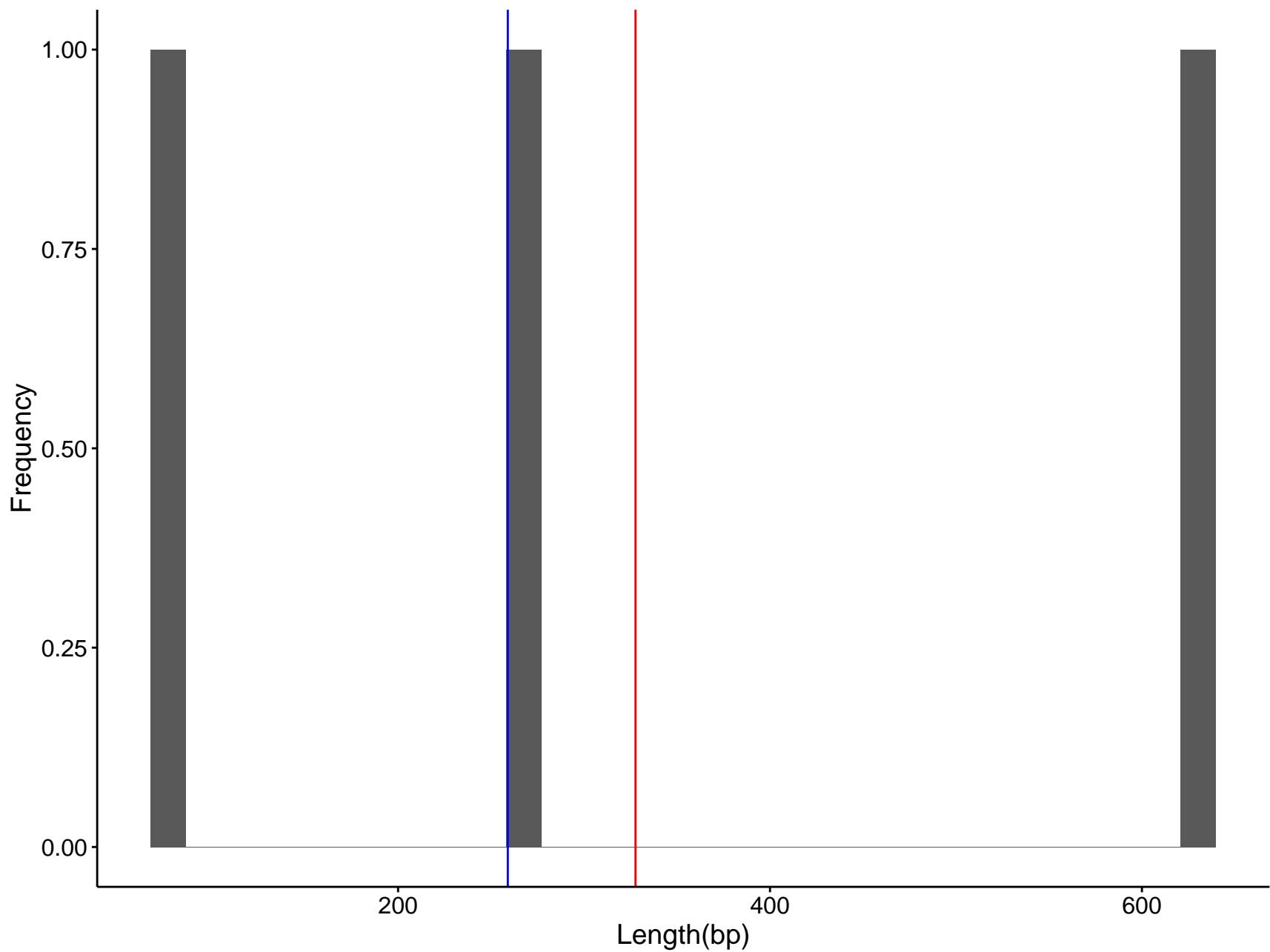
Cluster2683



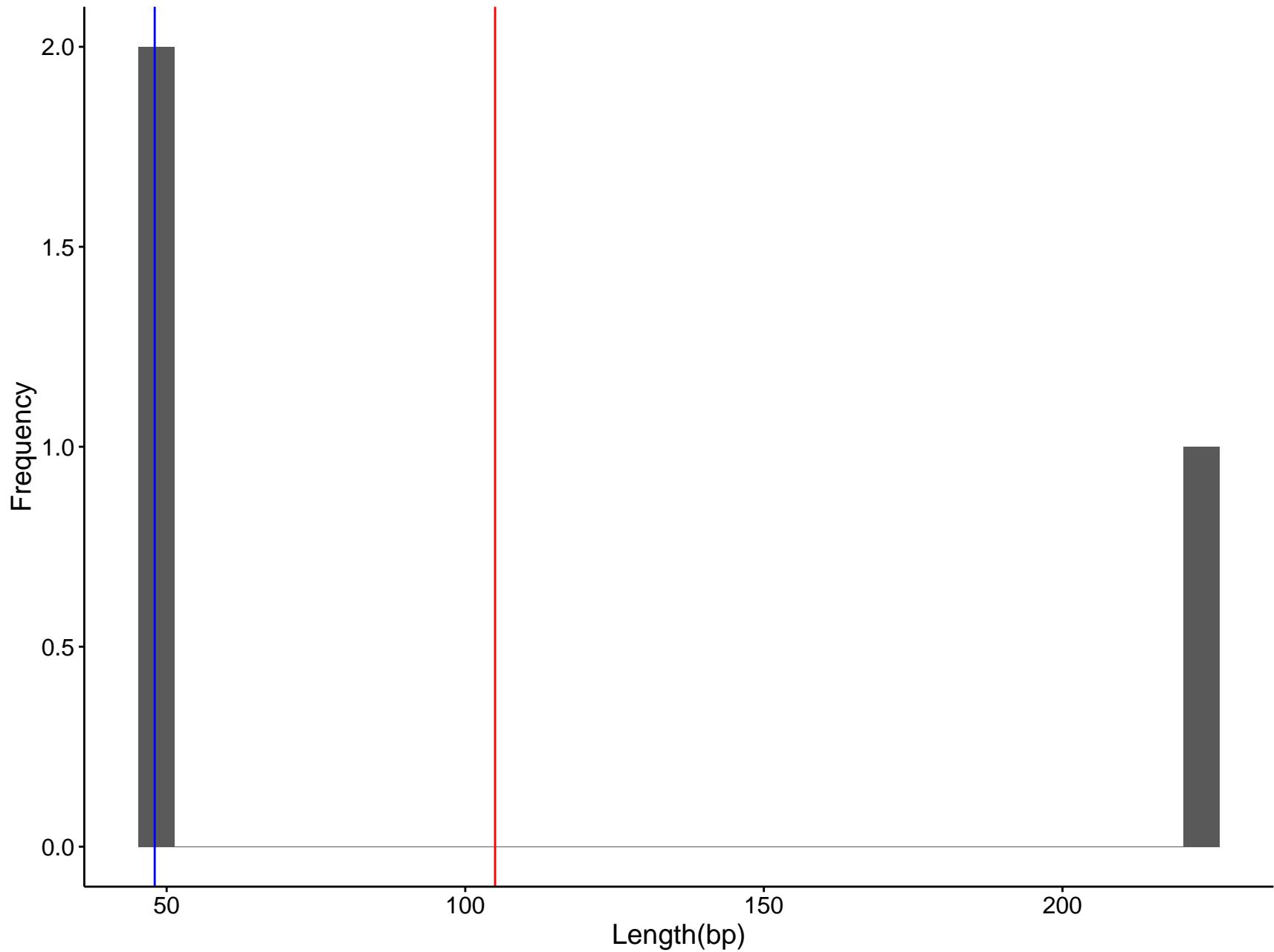
Cluster2685



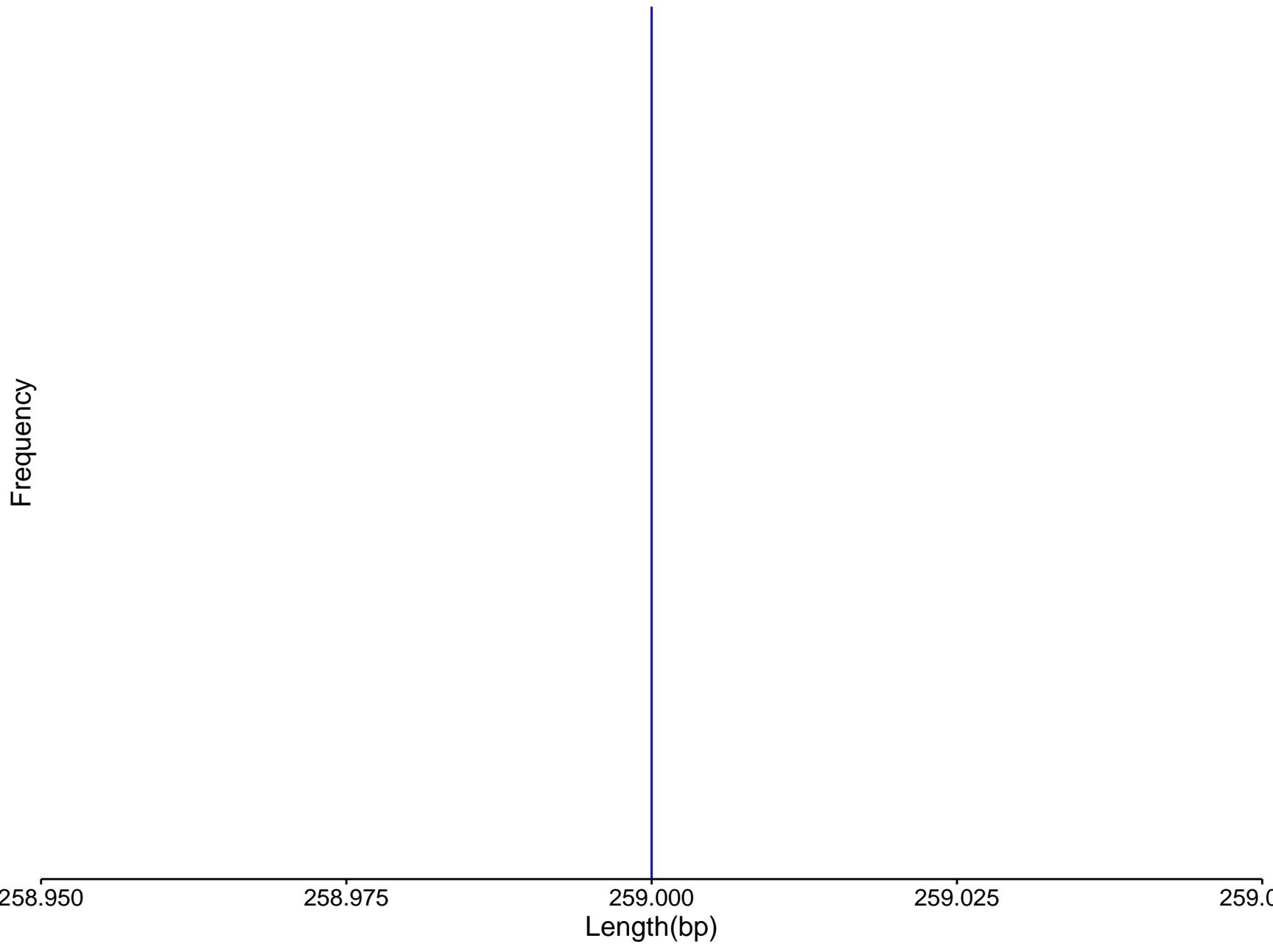
Cluster2686



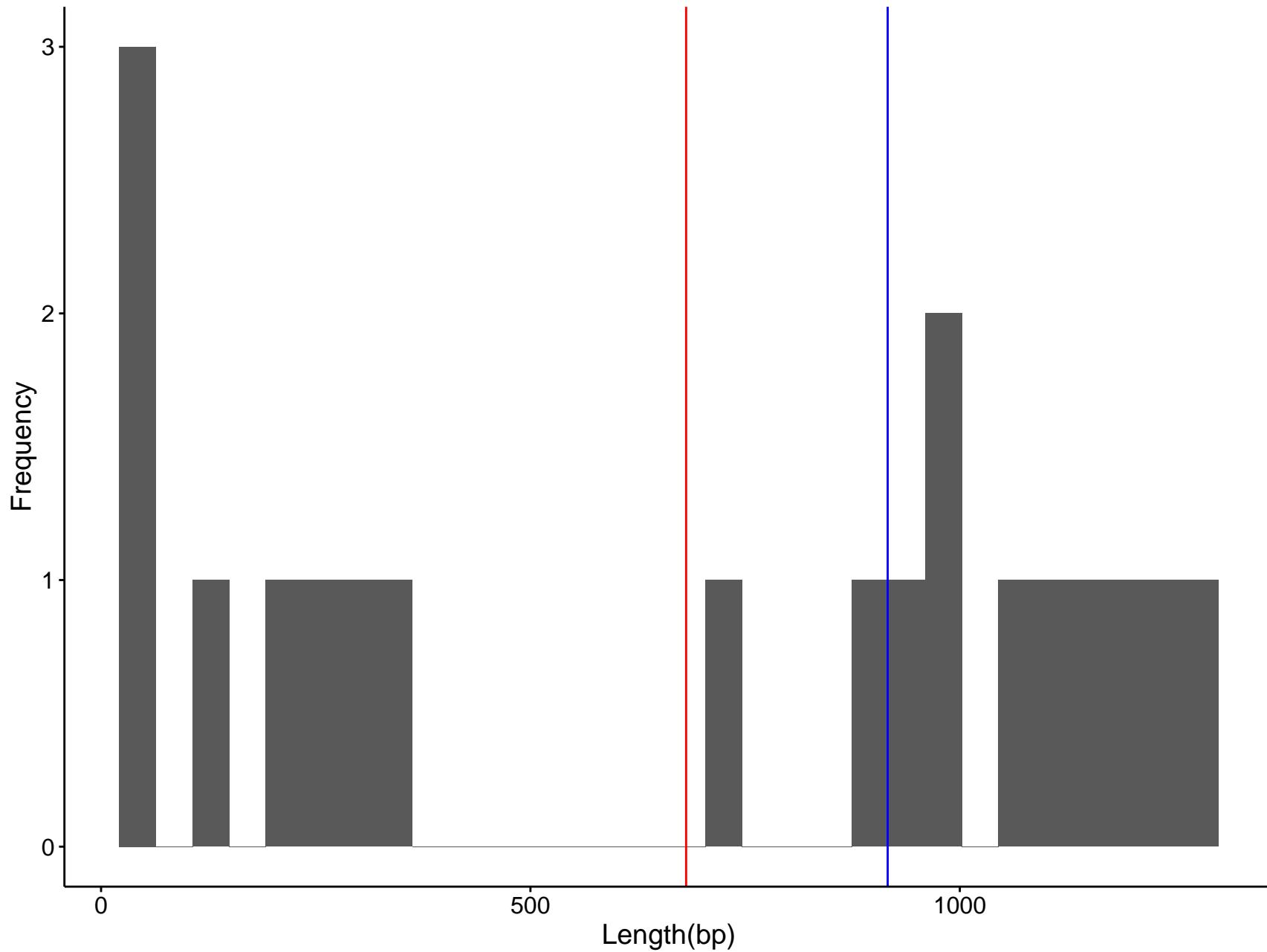
Cluster2687



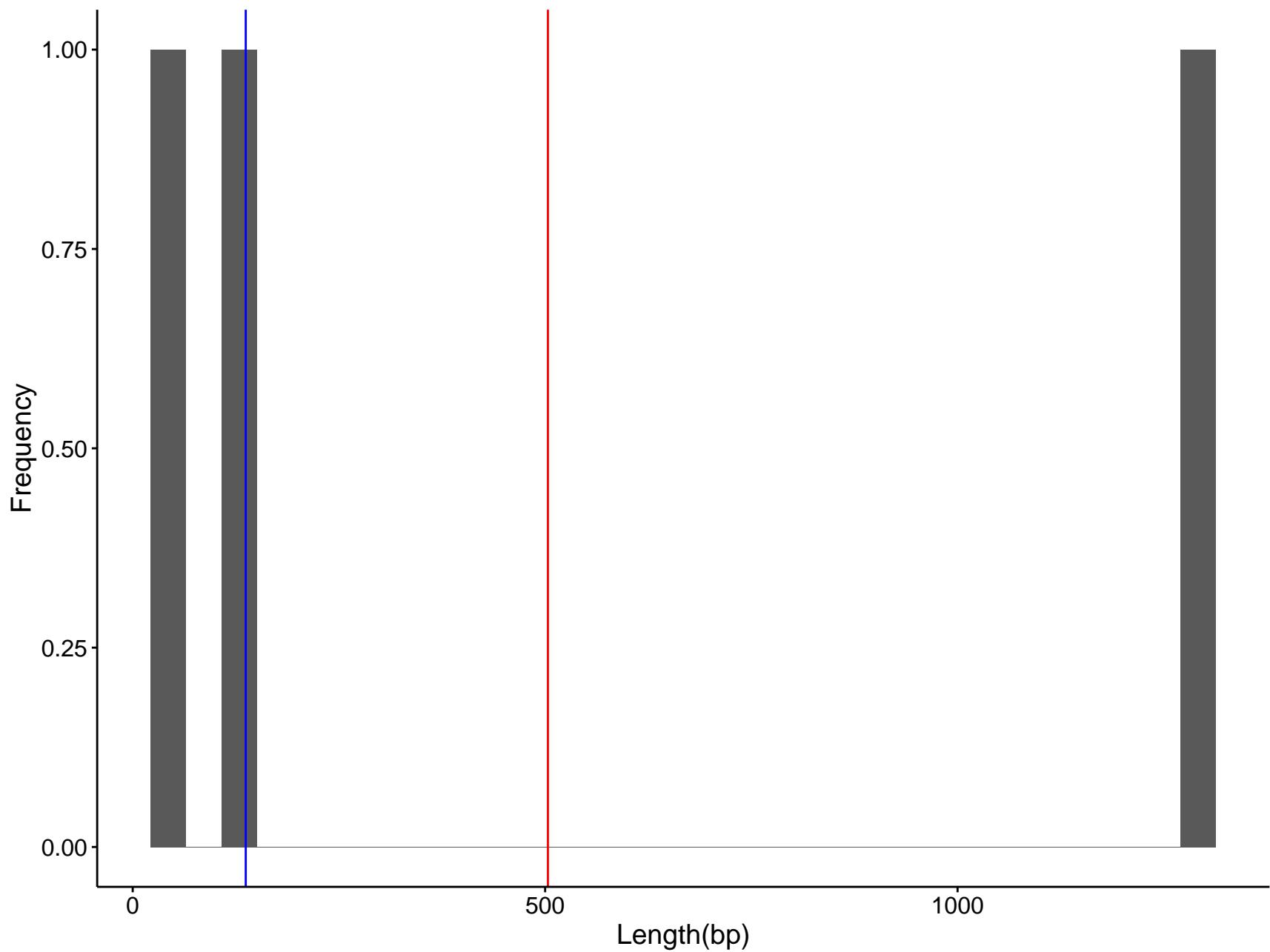
# Cluster2688



Cluster268



Cluster2690



# Cluster2693

Frequency

355.950

355.975

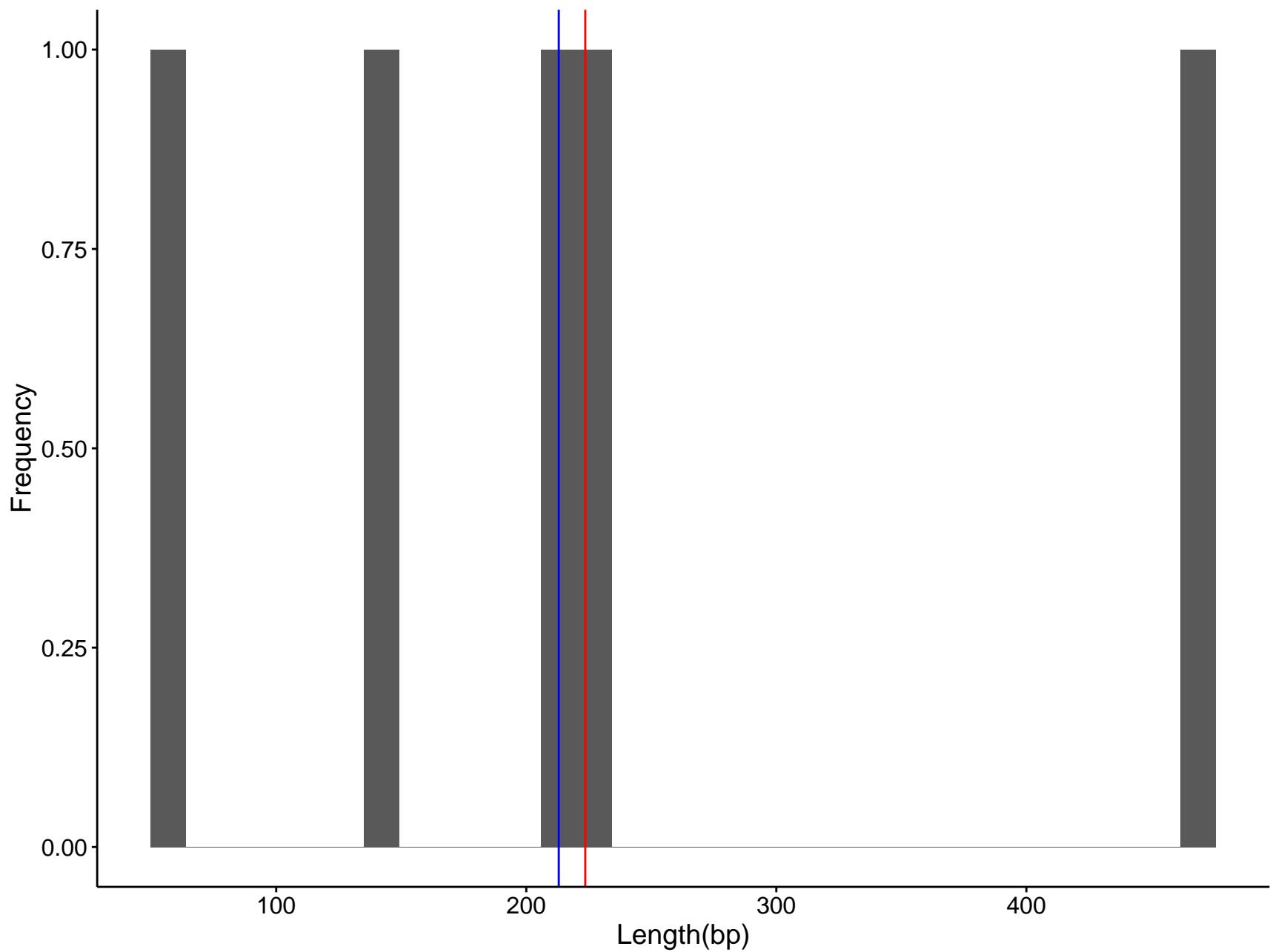
356.000

356.025

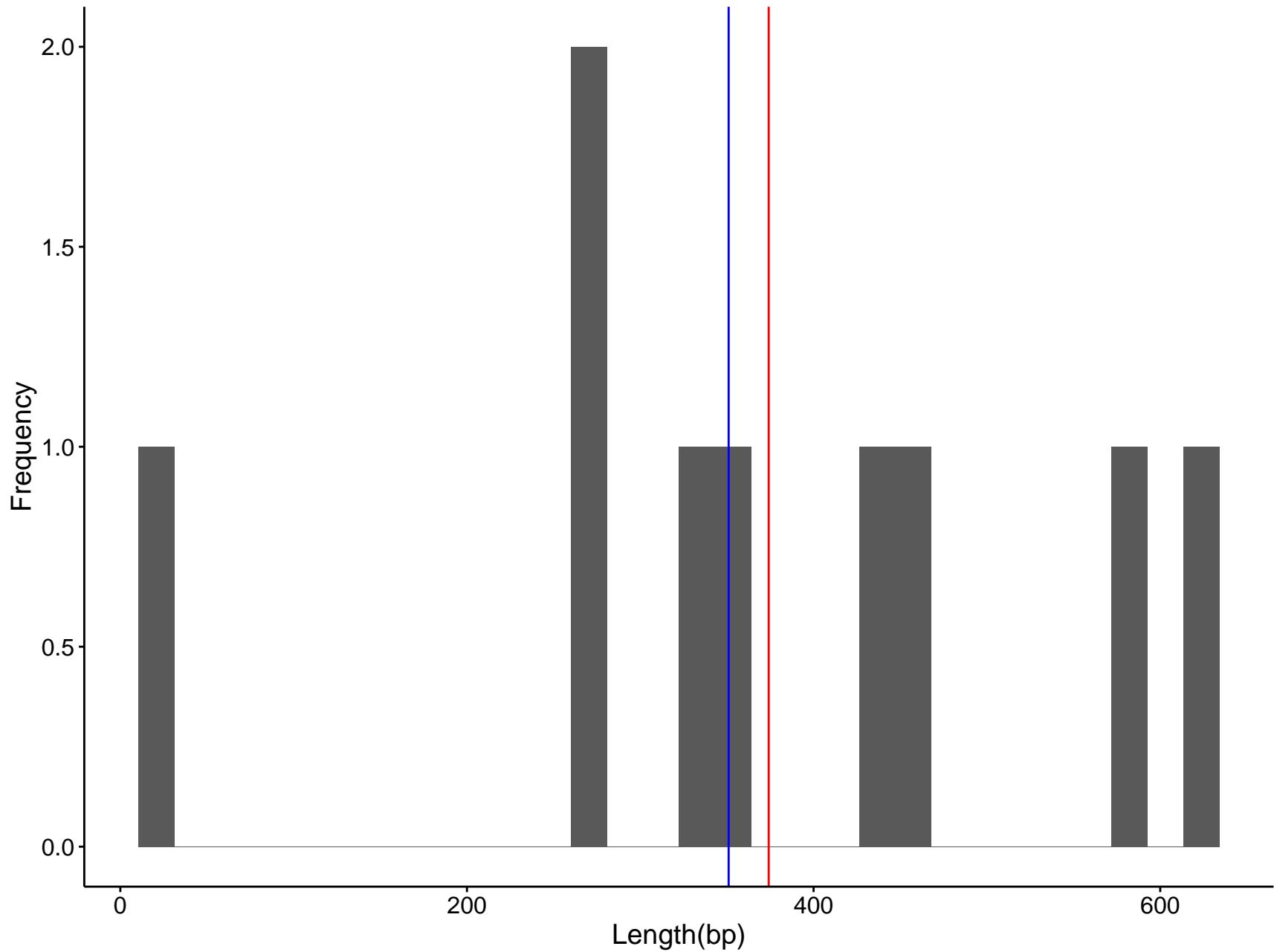
Length(bp)



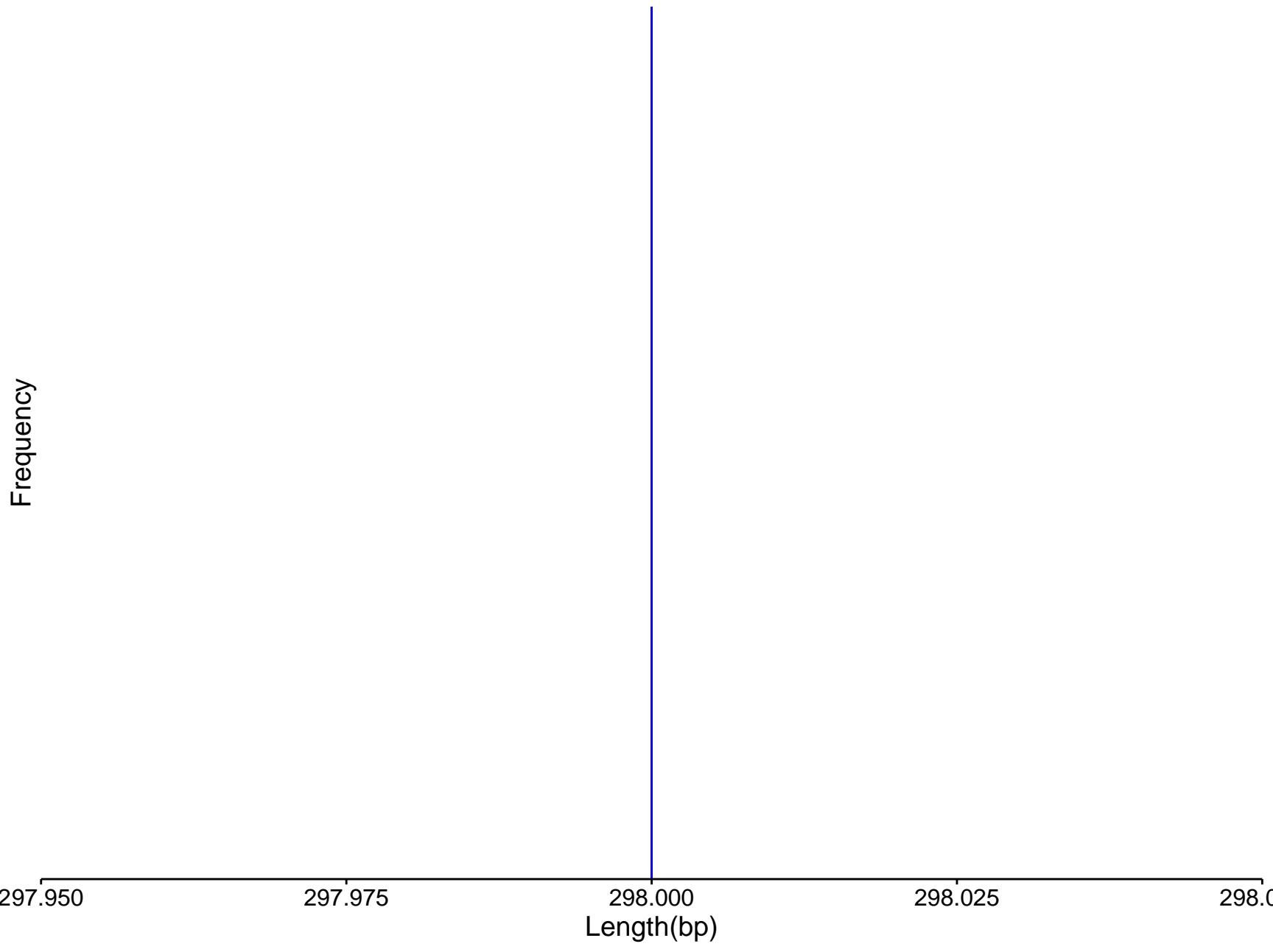
Cluster2694



Cluster2696



Cluster2698



Cluster2701

Frequency

131.950

131.975

132.000

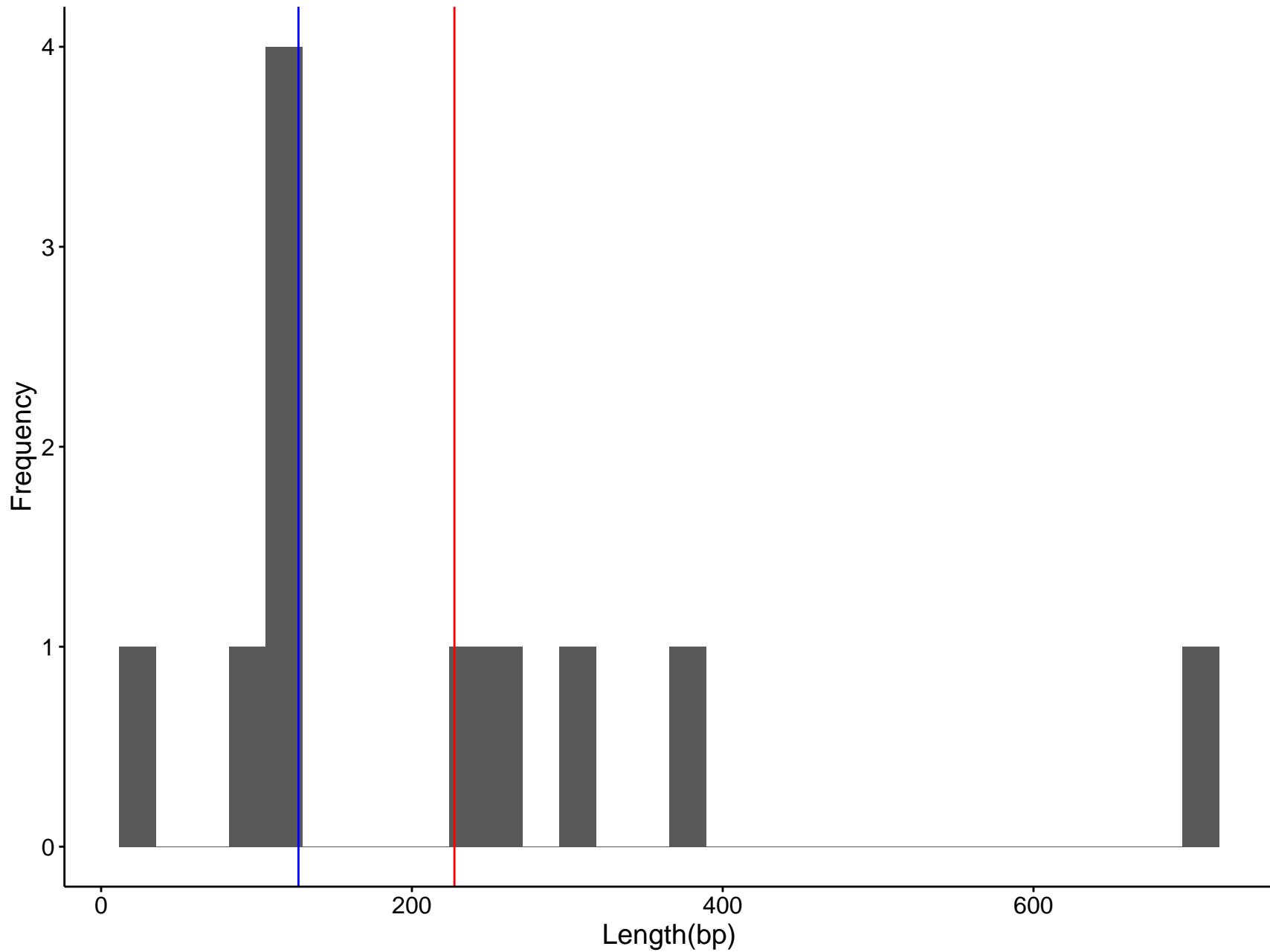
132.025

132.050

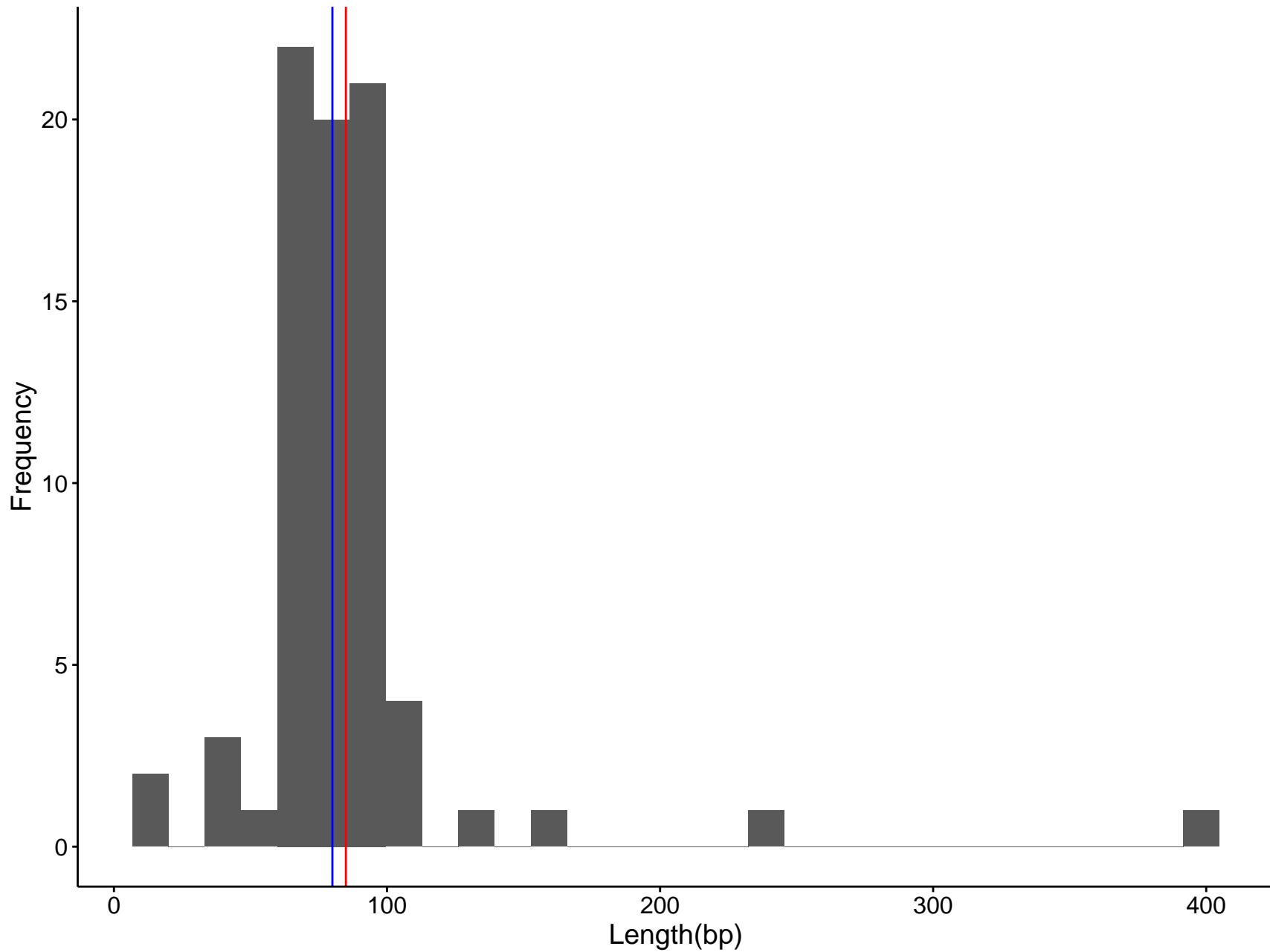
Length(bp)



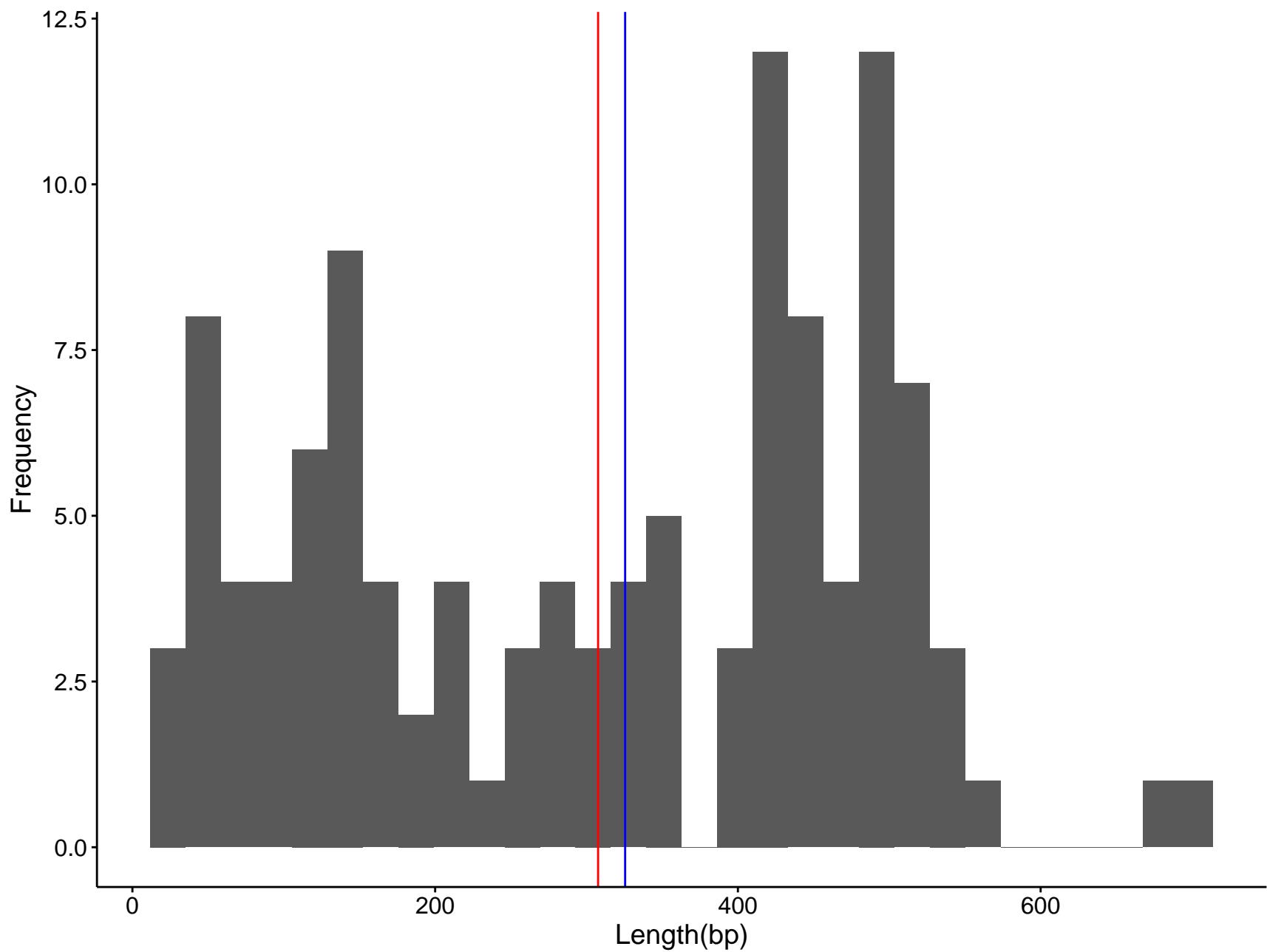
Cluster2702



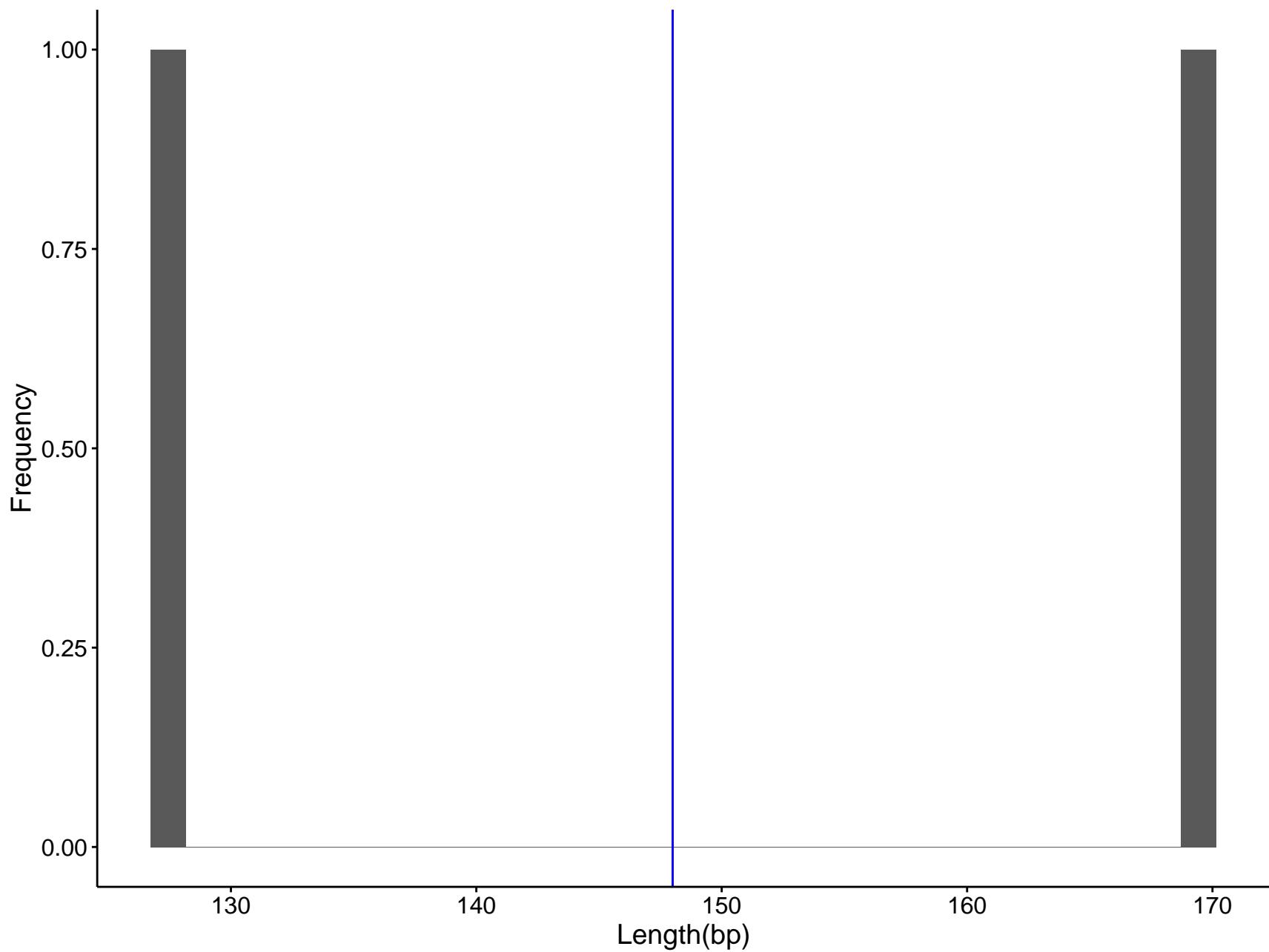
Cluster2703



Cluster2704



Cluster2706



# Cluster2707

Frequency

326.950

326.975

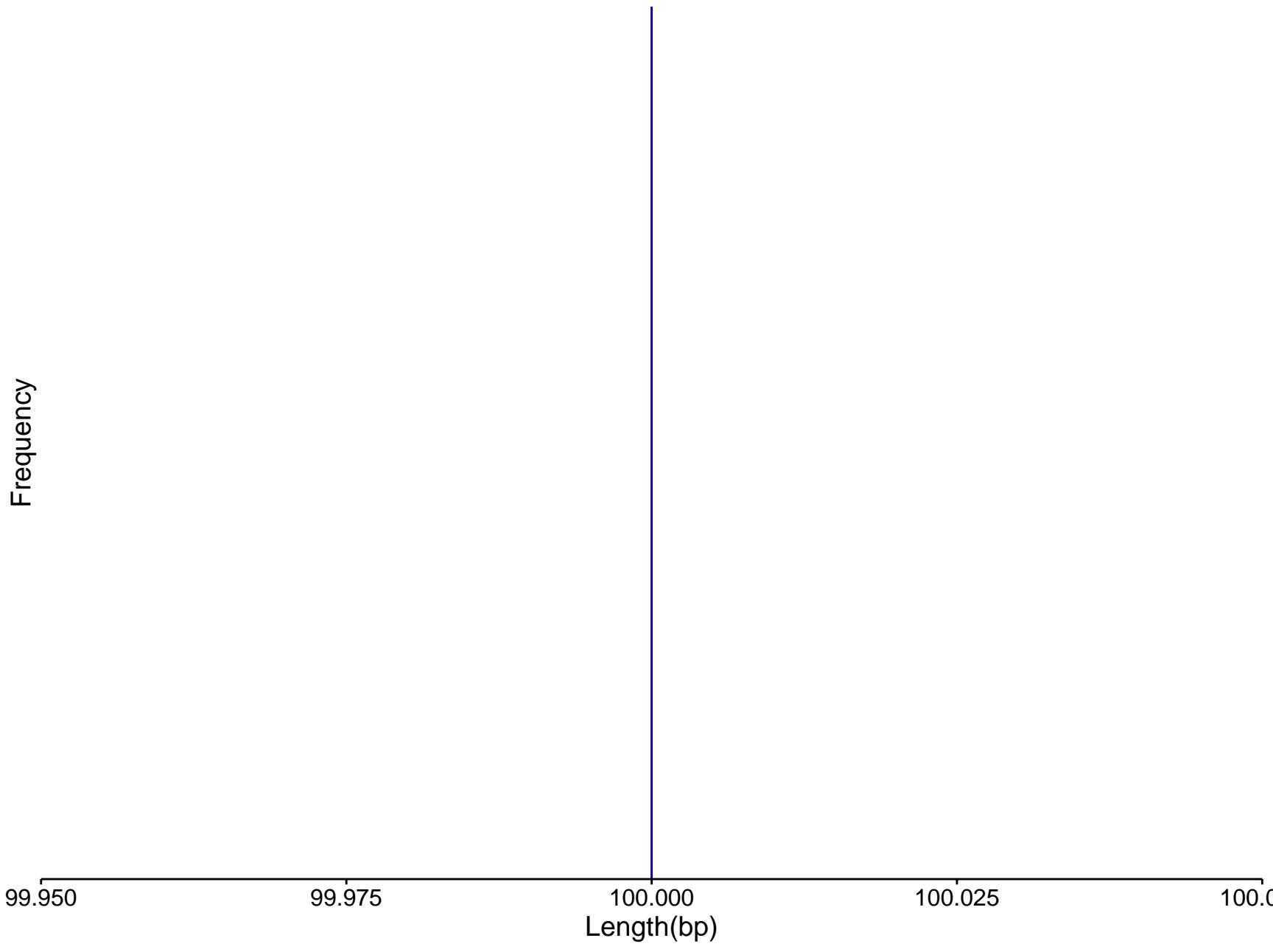
327.000

327.025

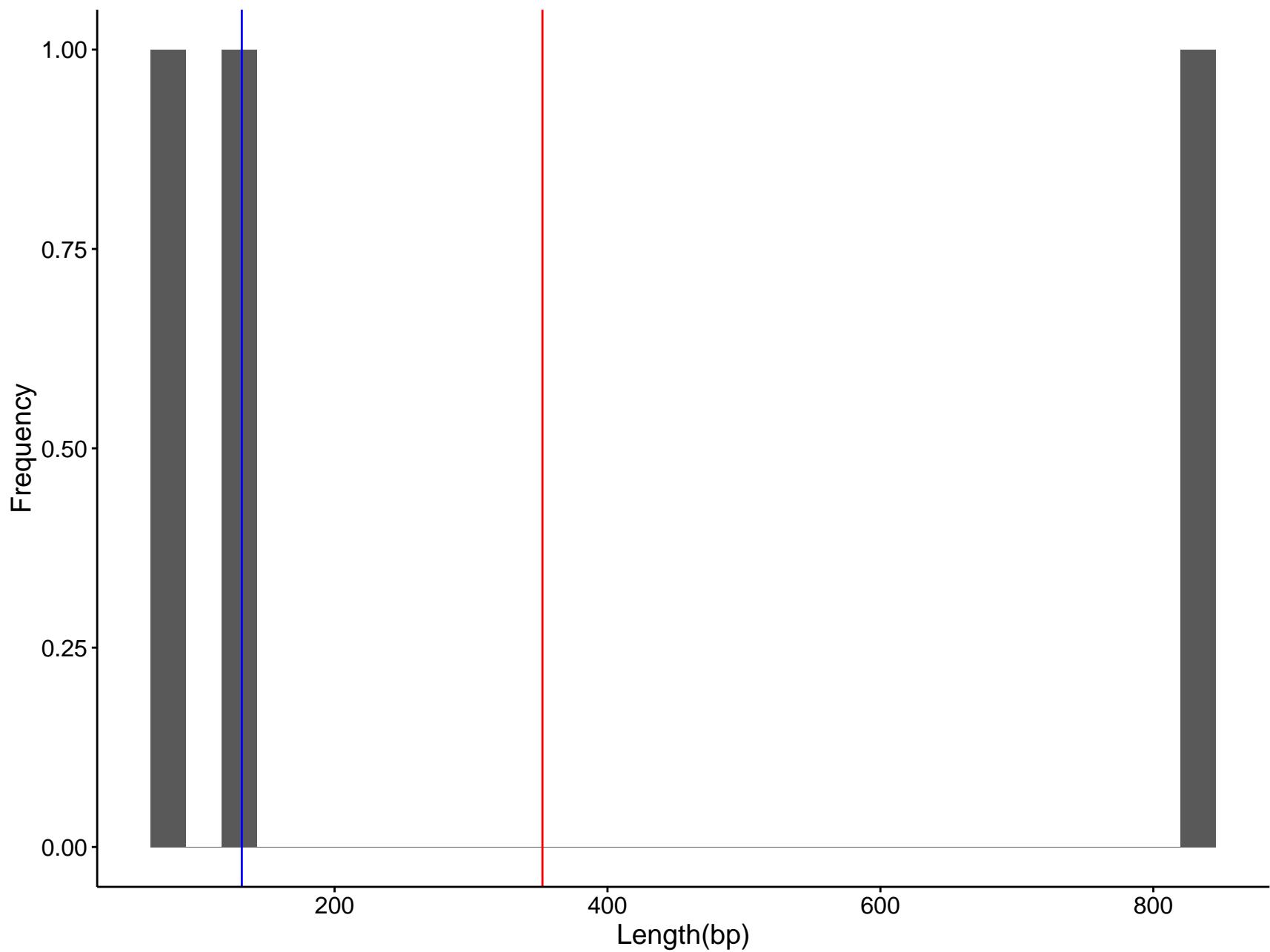
Length(bp)



# Cluster2708



Cluster2710



Cluster2712

Frequency

195.950

195.975

196.000

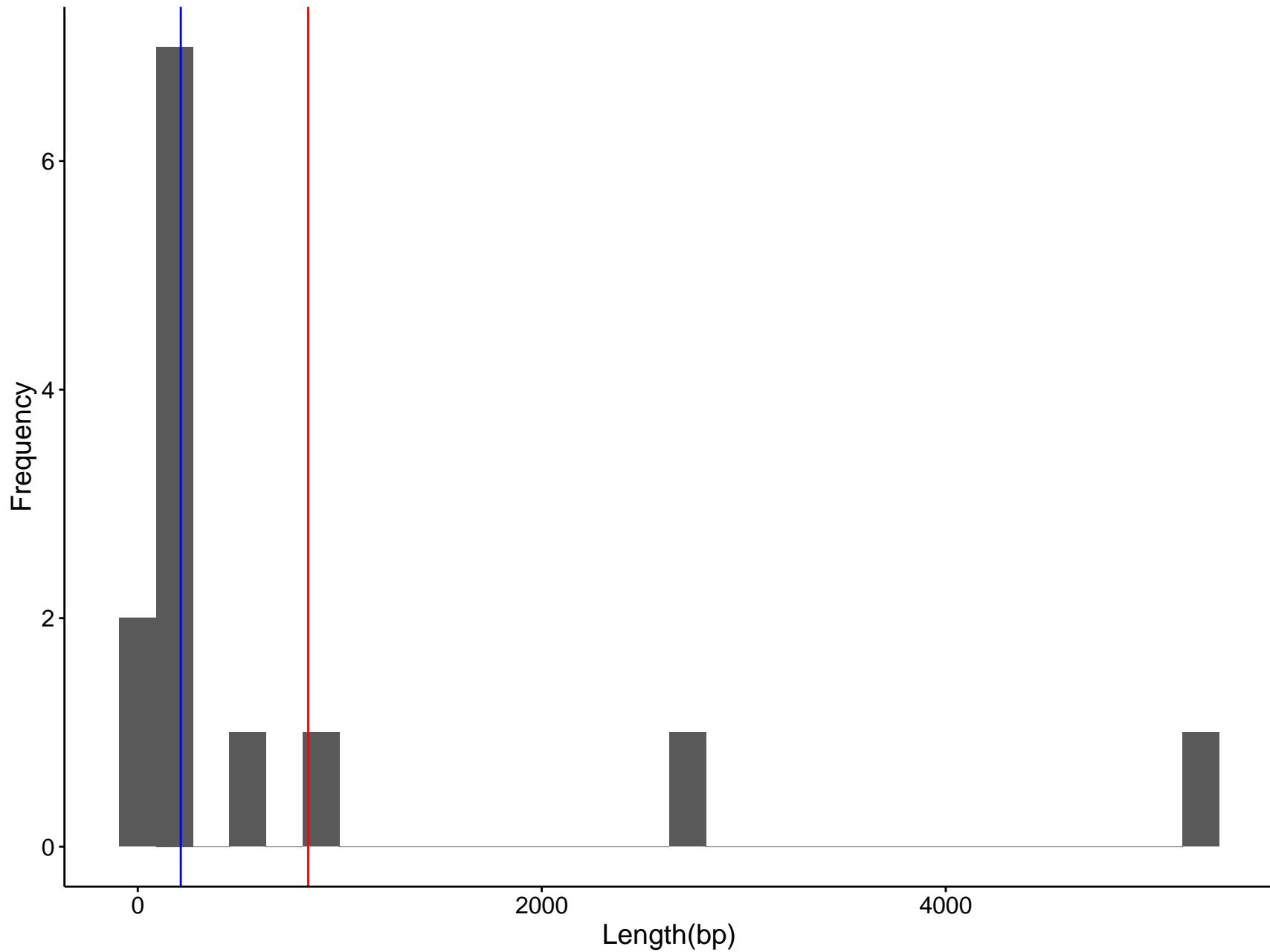
196.025

196.050

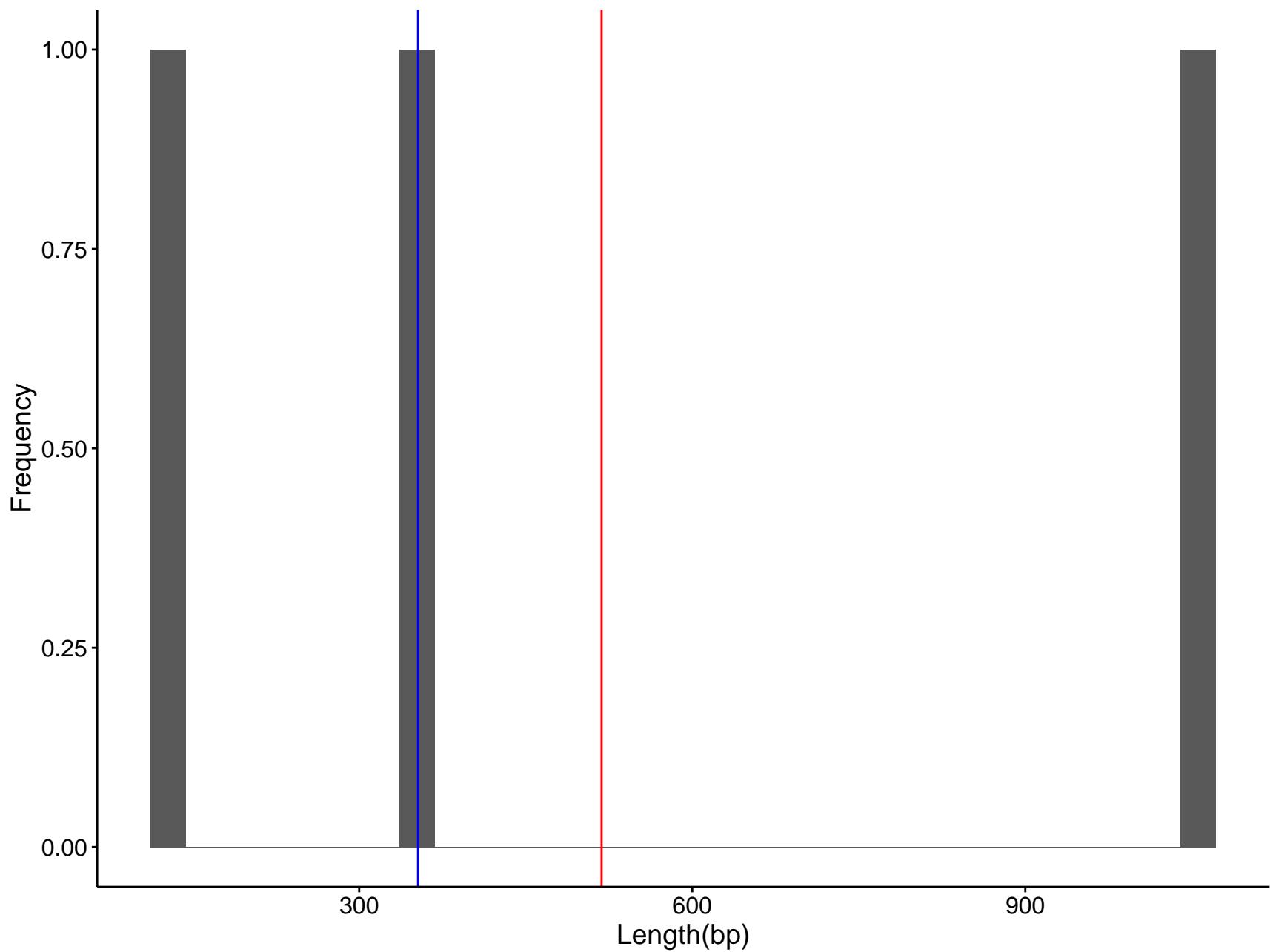
Length(bp)



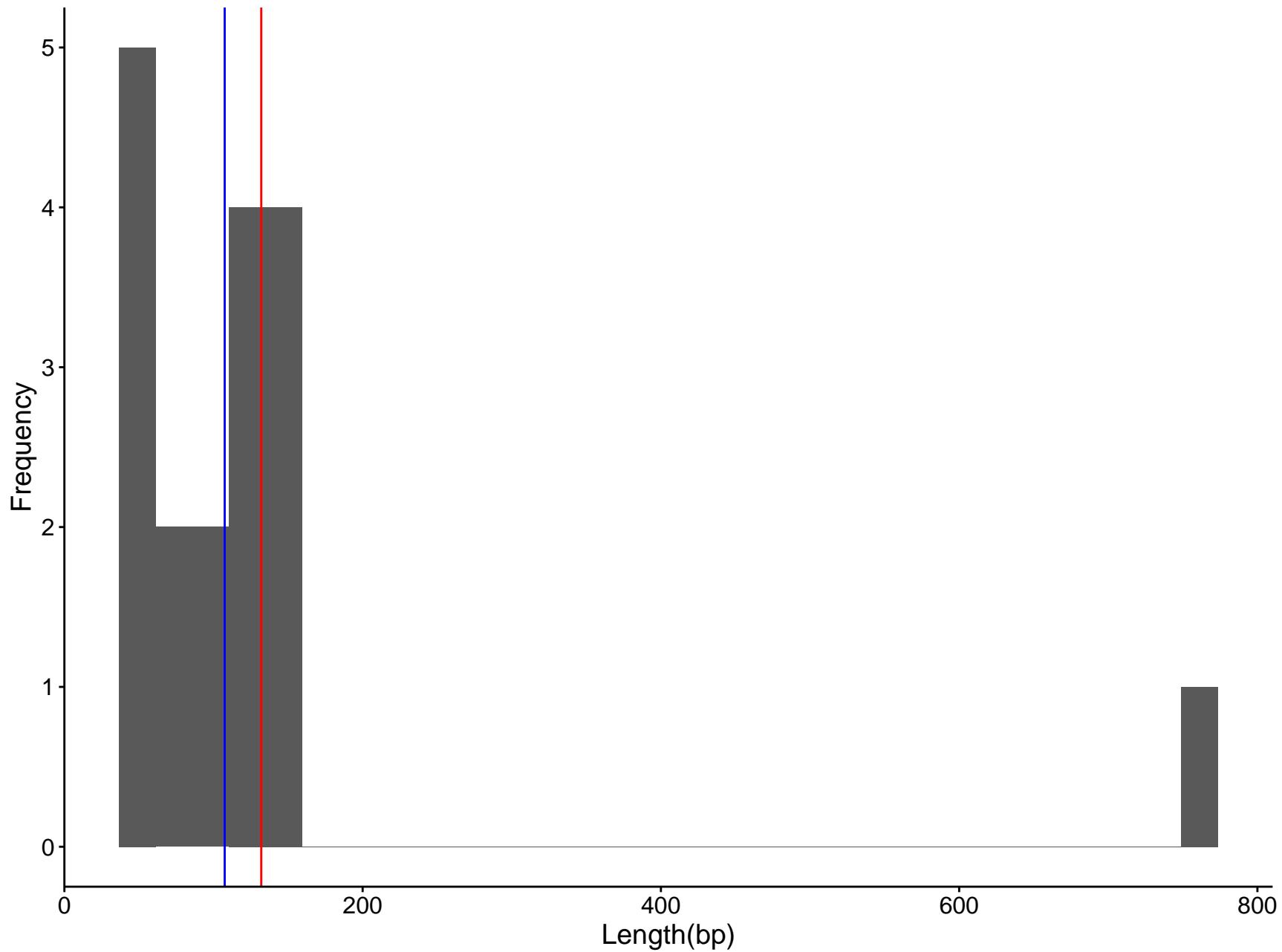
Cluster2714



Cluster2716



Cluster2717



Cluster2718

Frequency

54.950

54.975

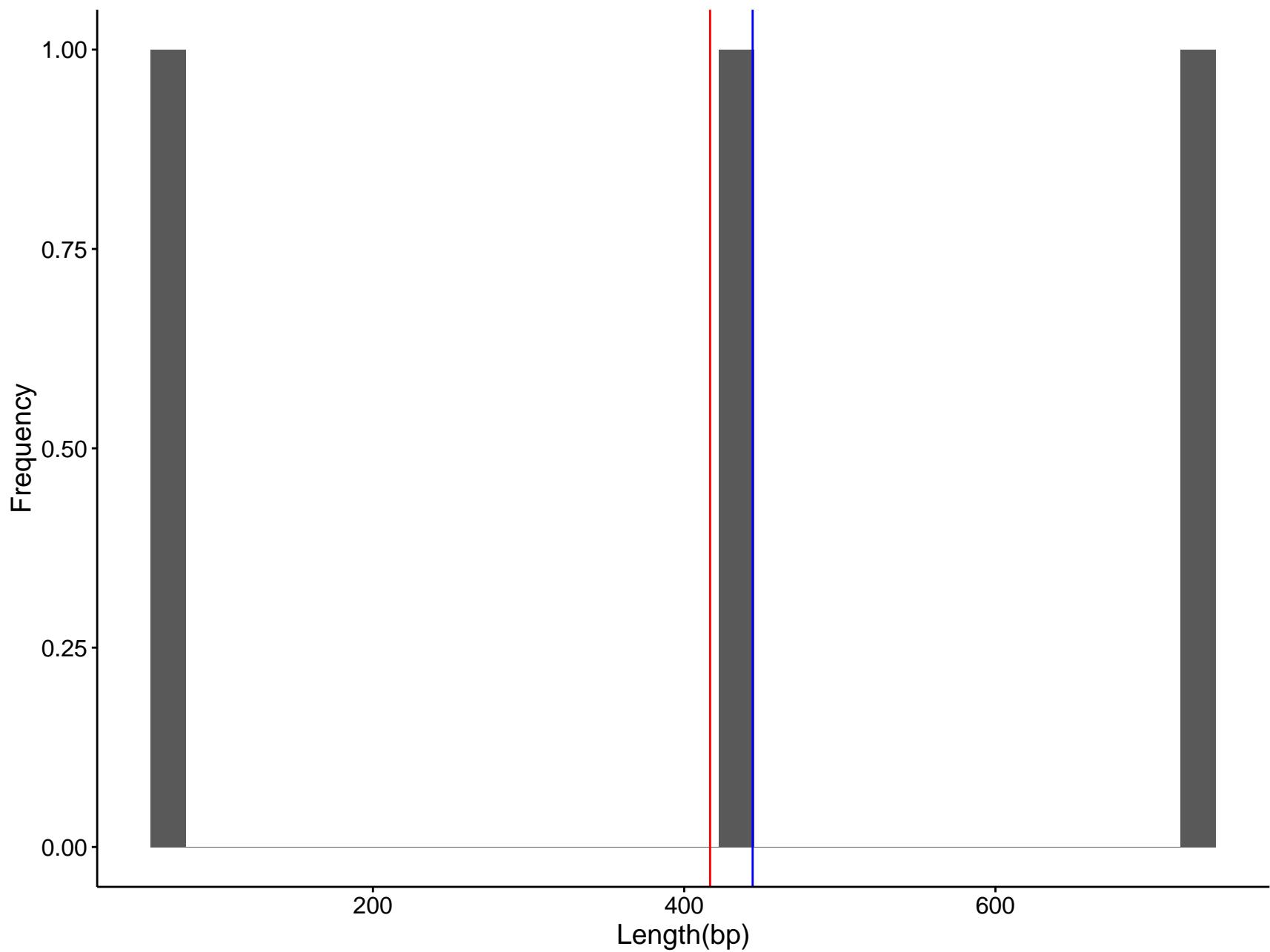
55.000

55.025

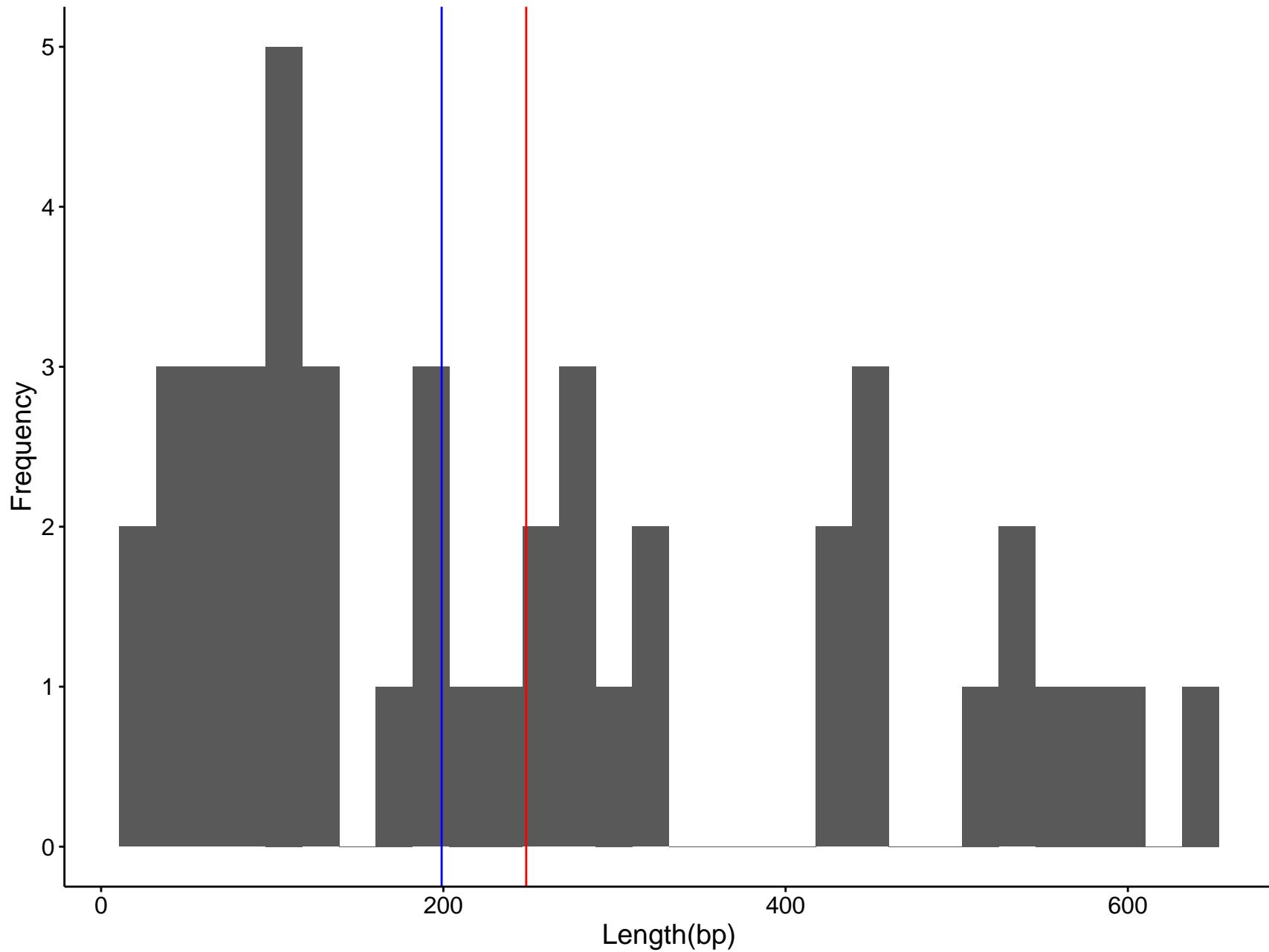
Length(bp)



Cluster2719



Cluster271



Cluster2720

Frequency

387.950

387.975

388.000

388.025

Length(bp)



# Cluster2721

Frequency

334.950

334.975

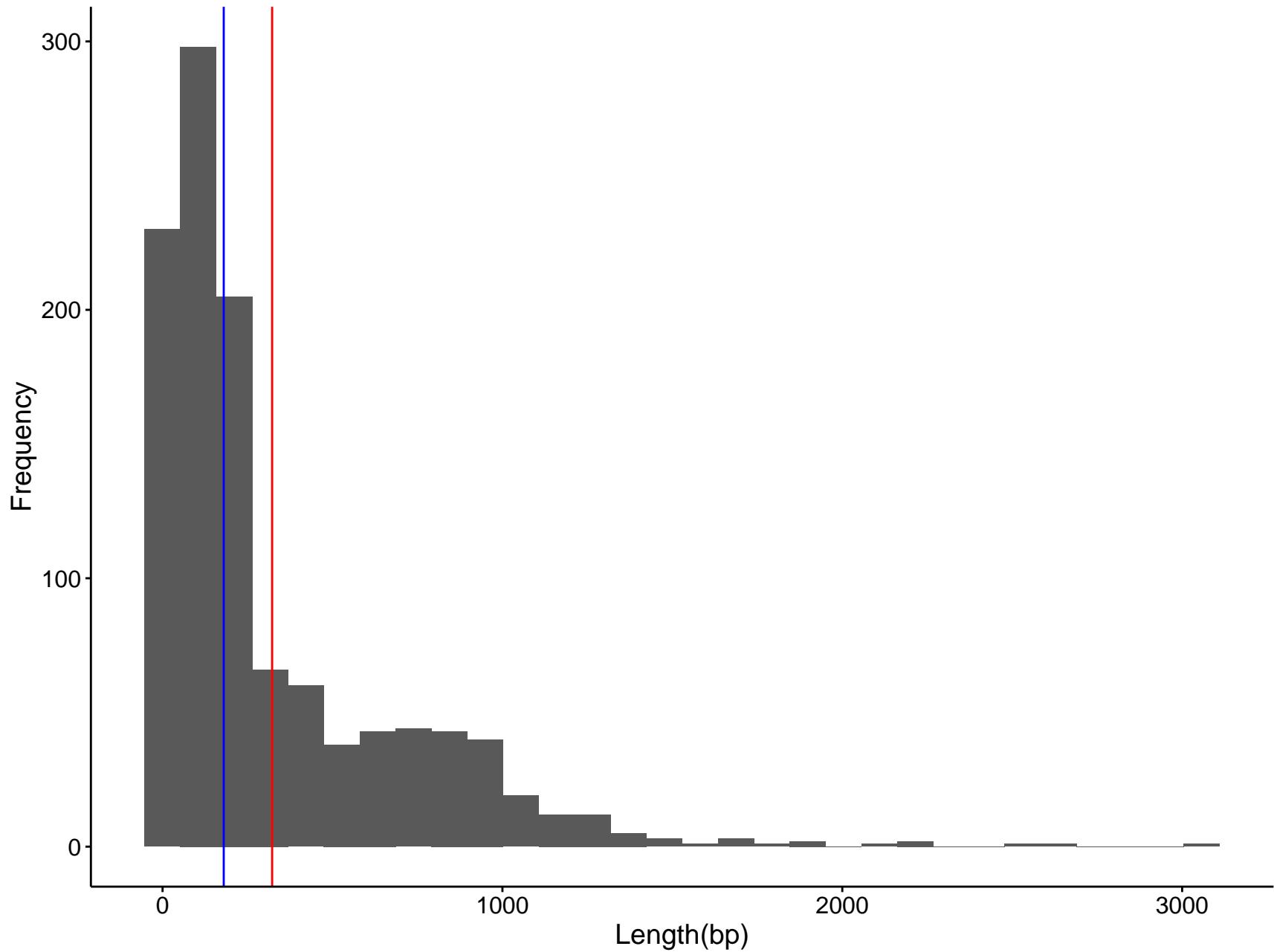
335.000

335.025

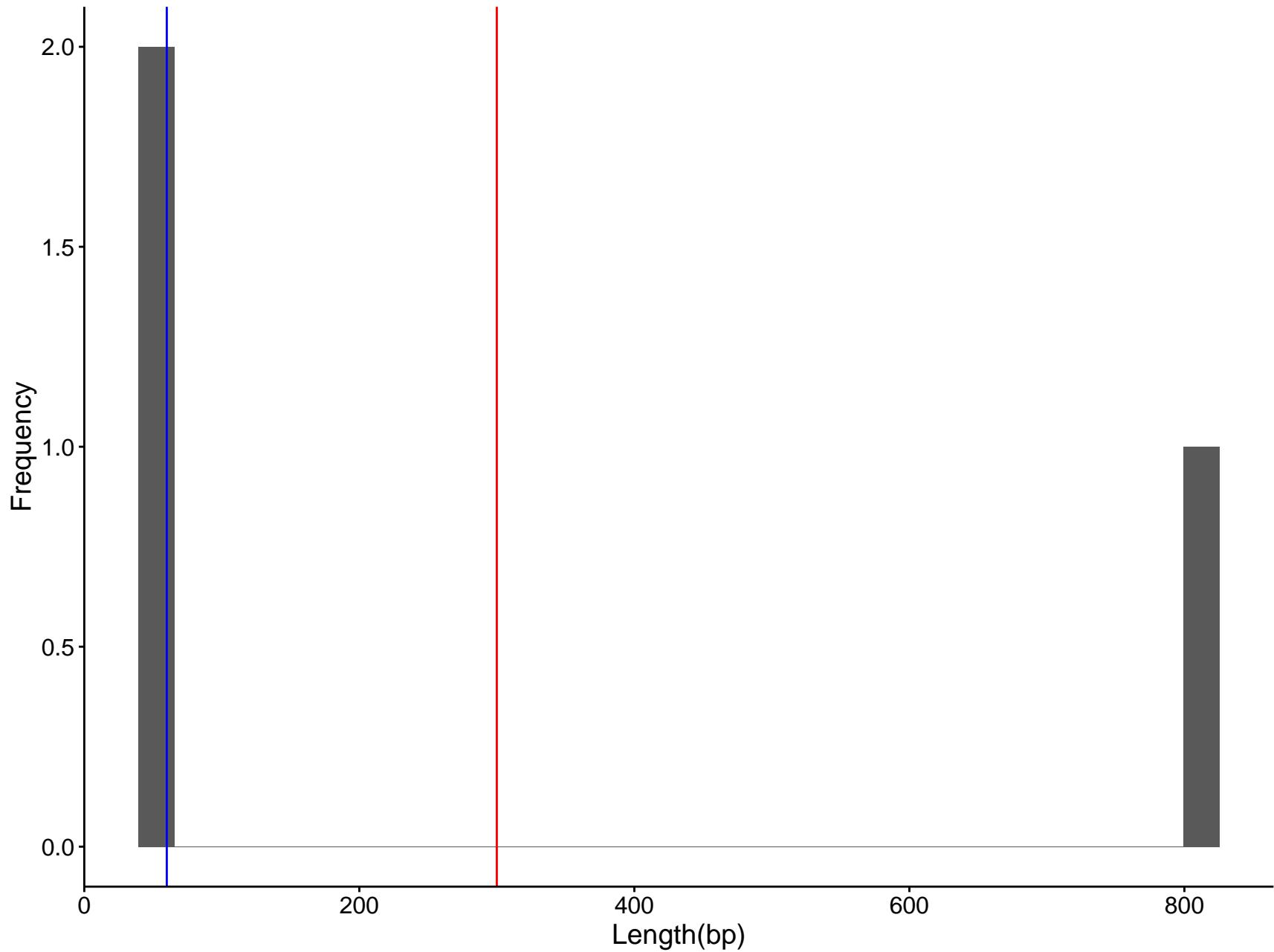
Length(bp)



Cluster2722



Cluster2723



Cluster2724

Frequency

186.950

186.975

187.000

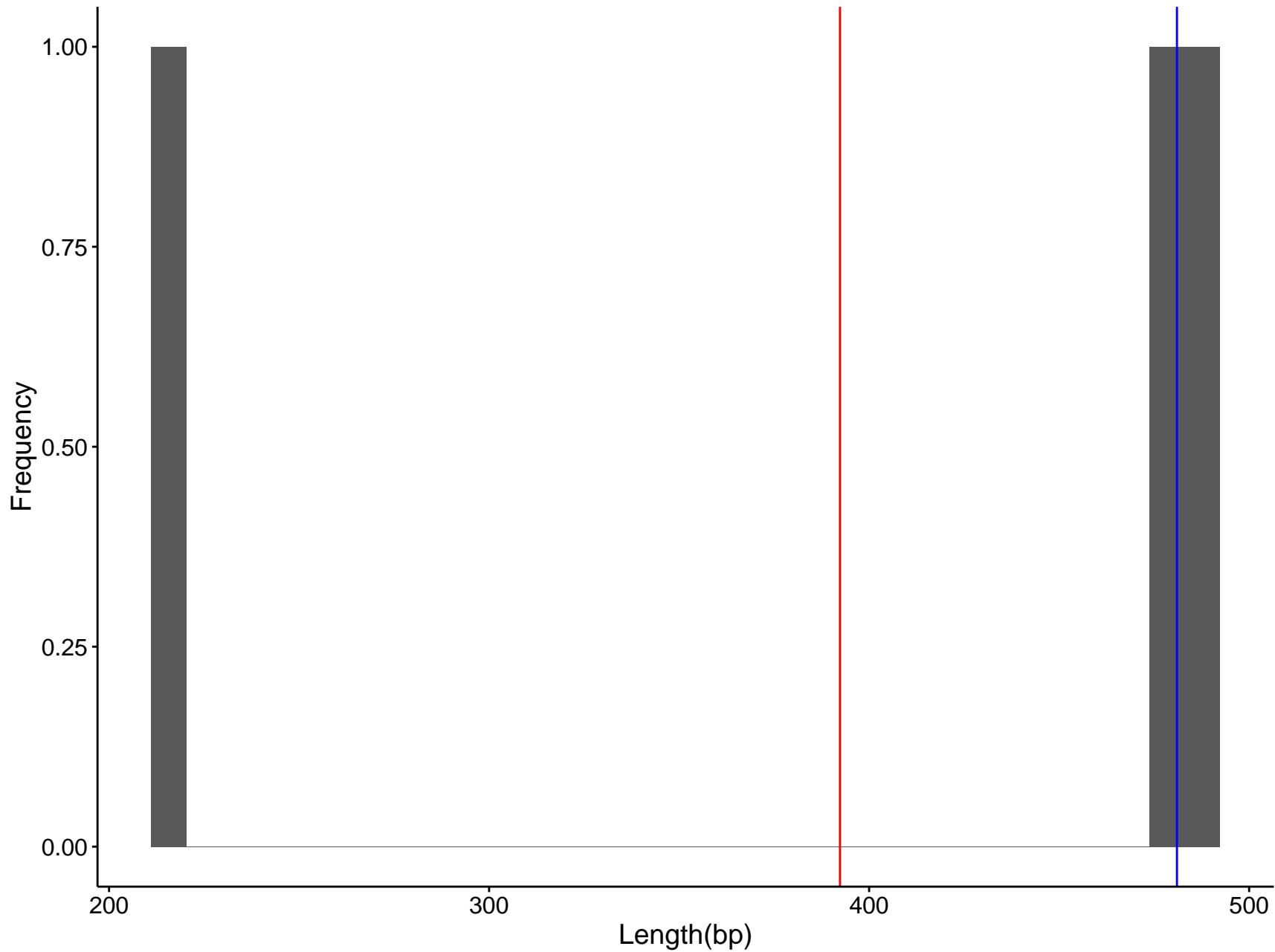
187.025

187.050

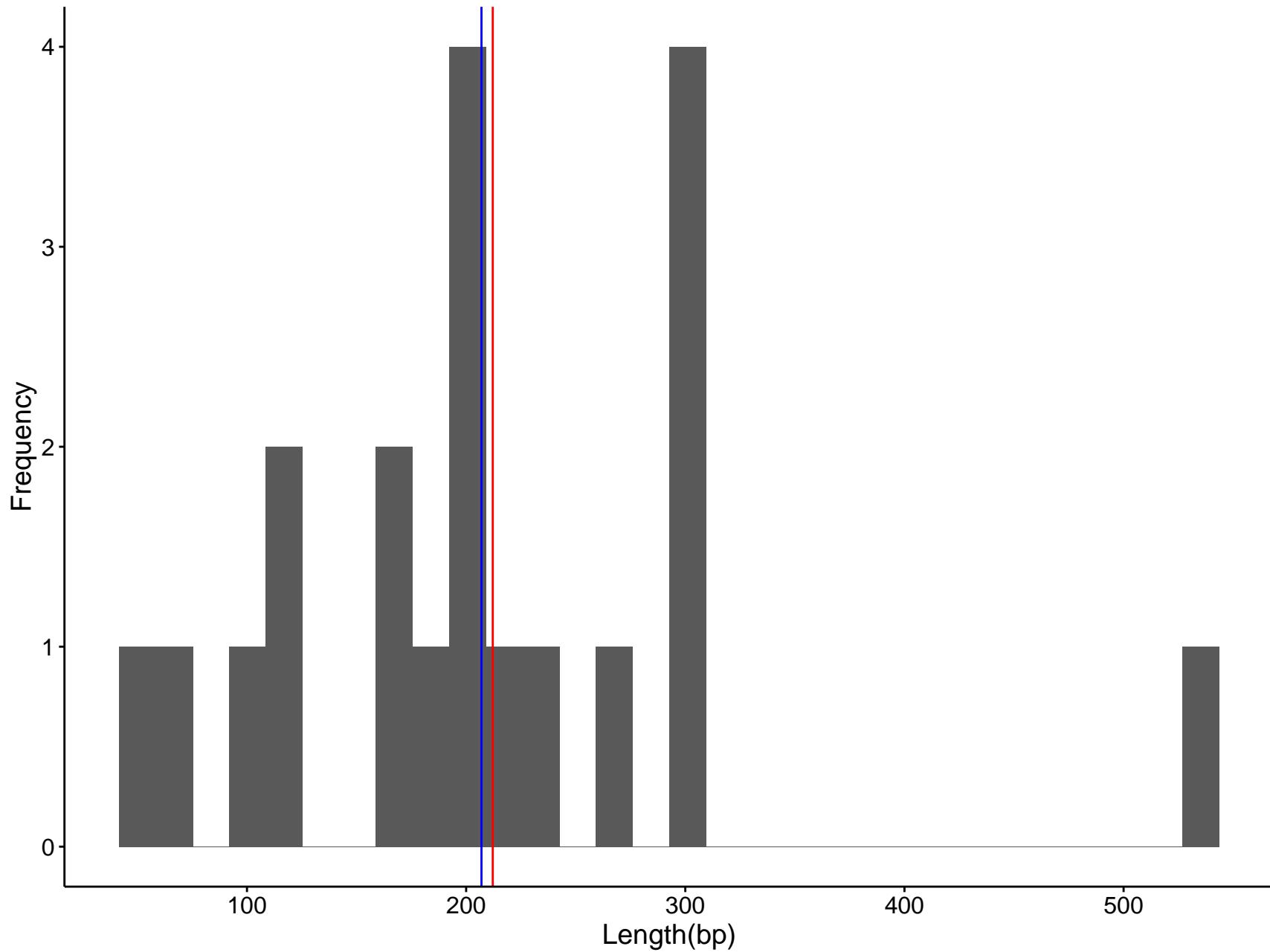
Length(bp)



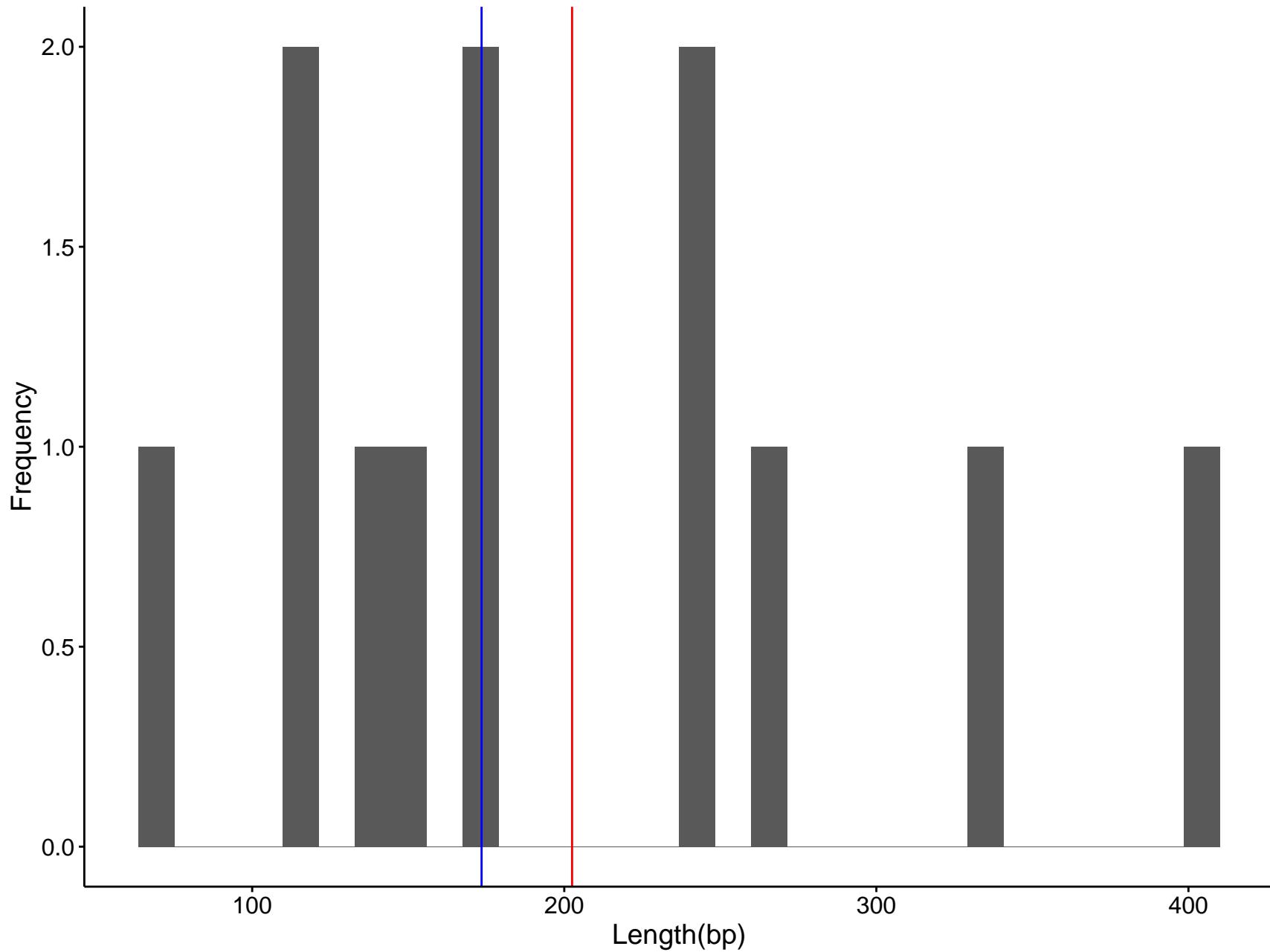
Cluster2725



Cluster2726



Cluster2727



Cluster2728

Frequency

343.950

343.975

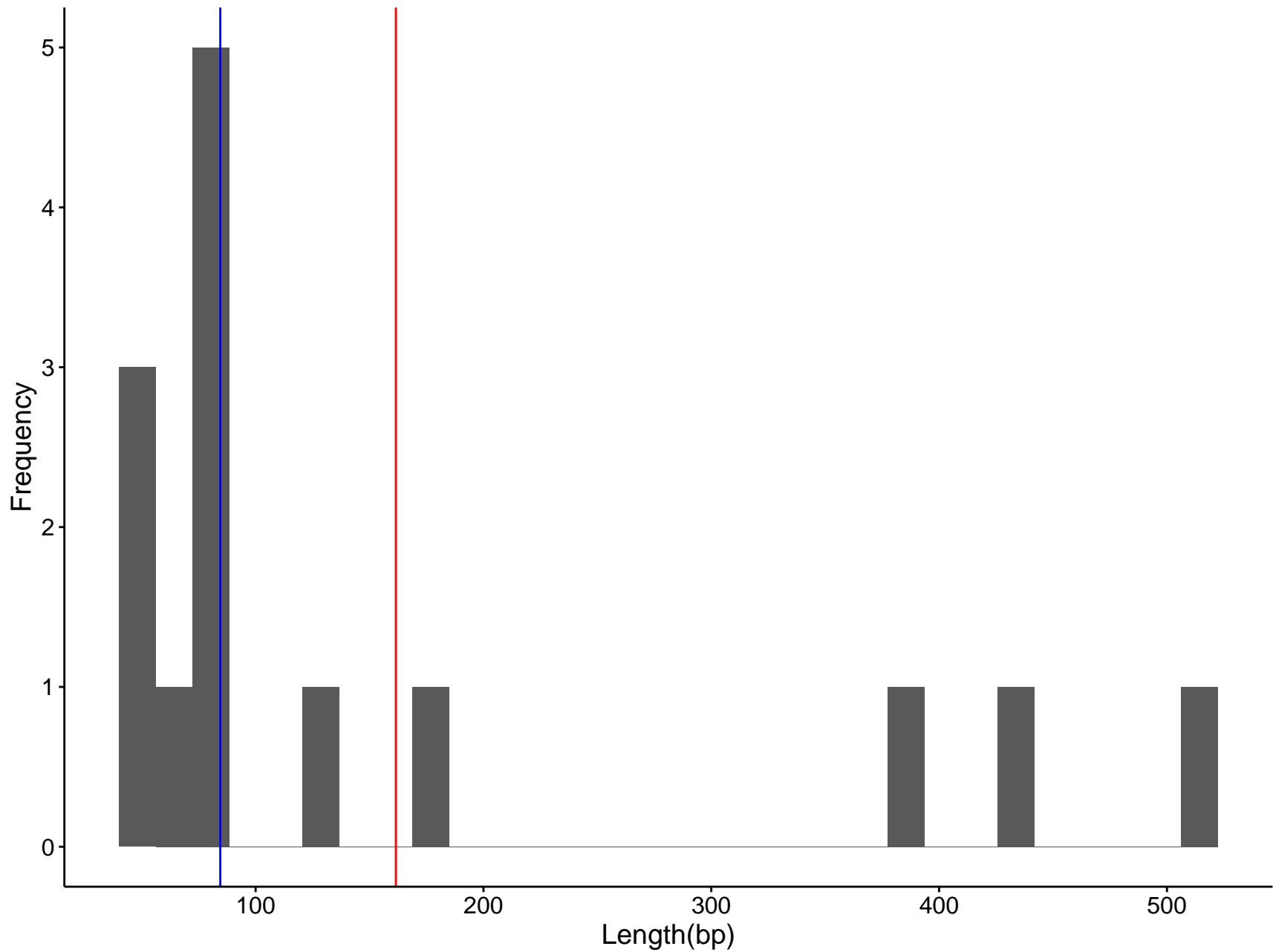
344.000

344.025

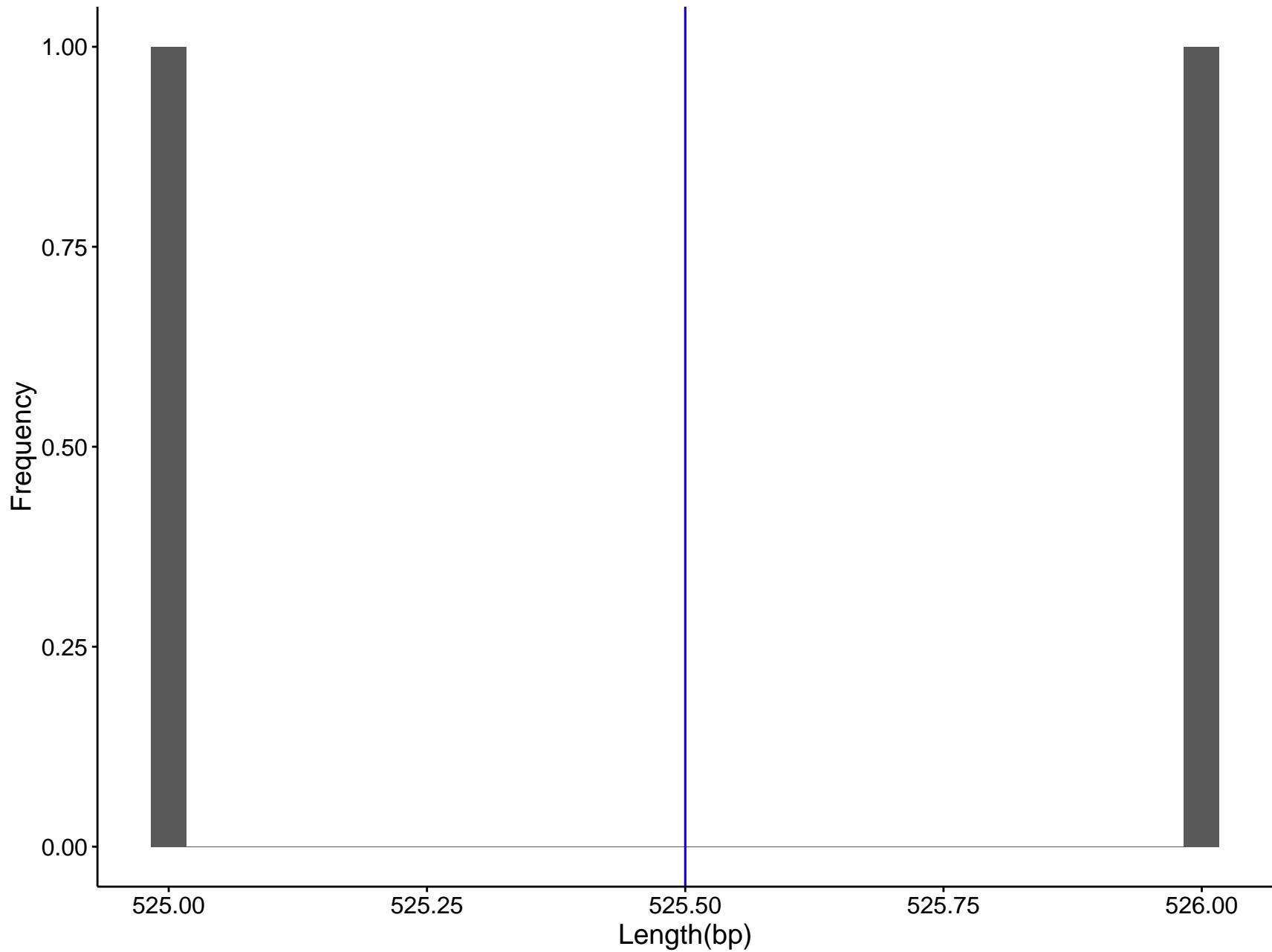
Length(bp)



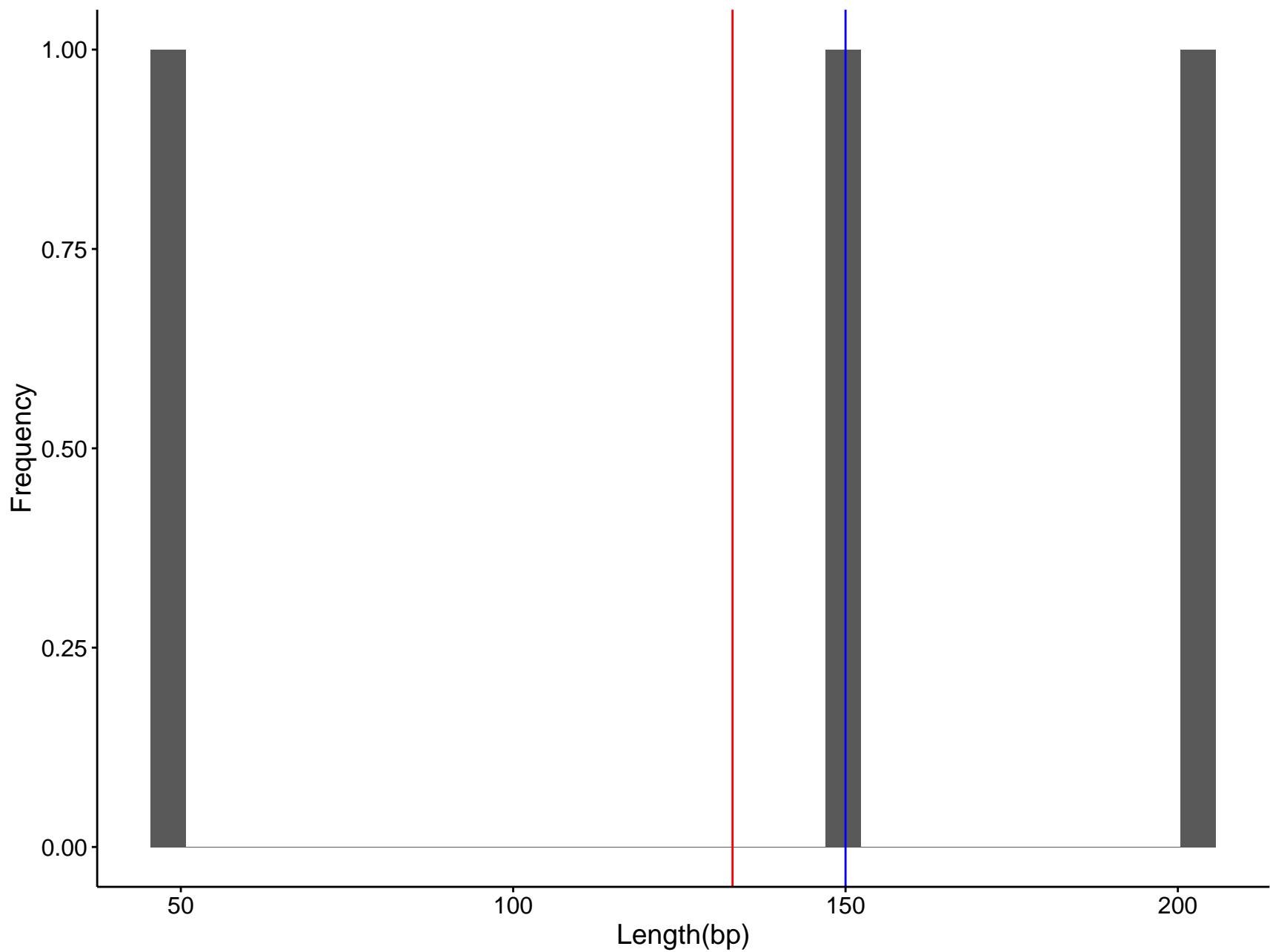
Cluster2729



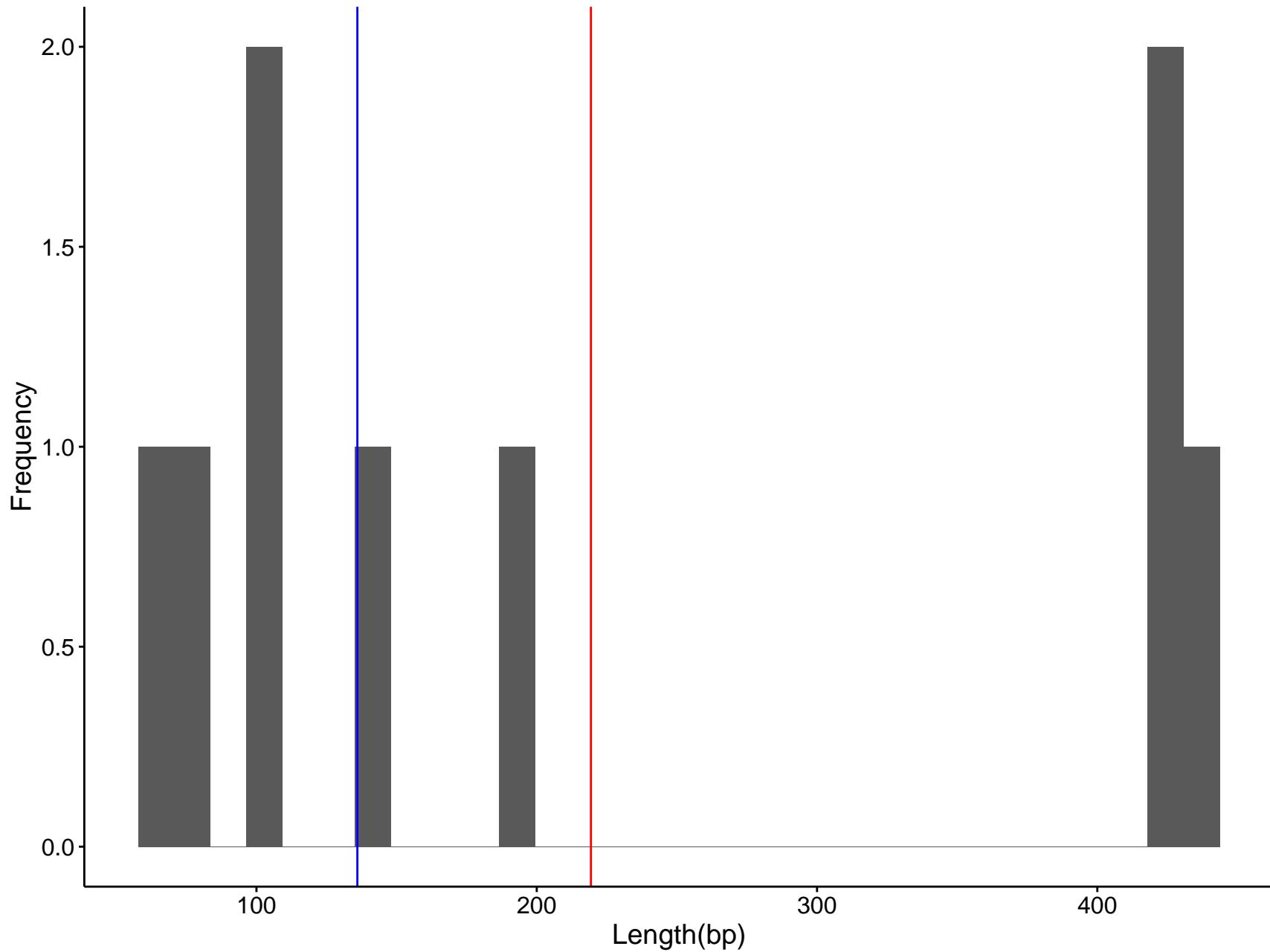
Cluster272



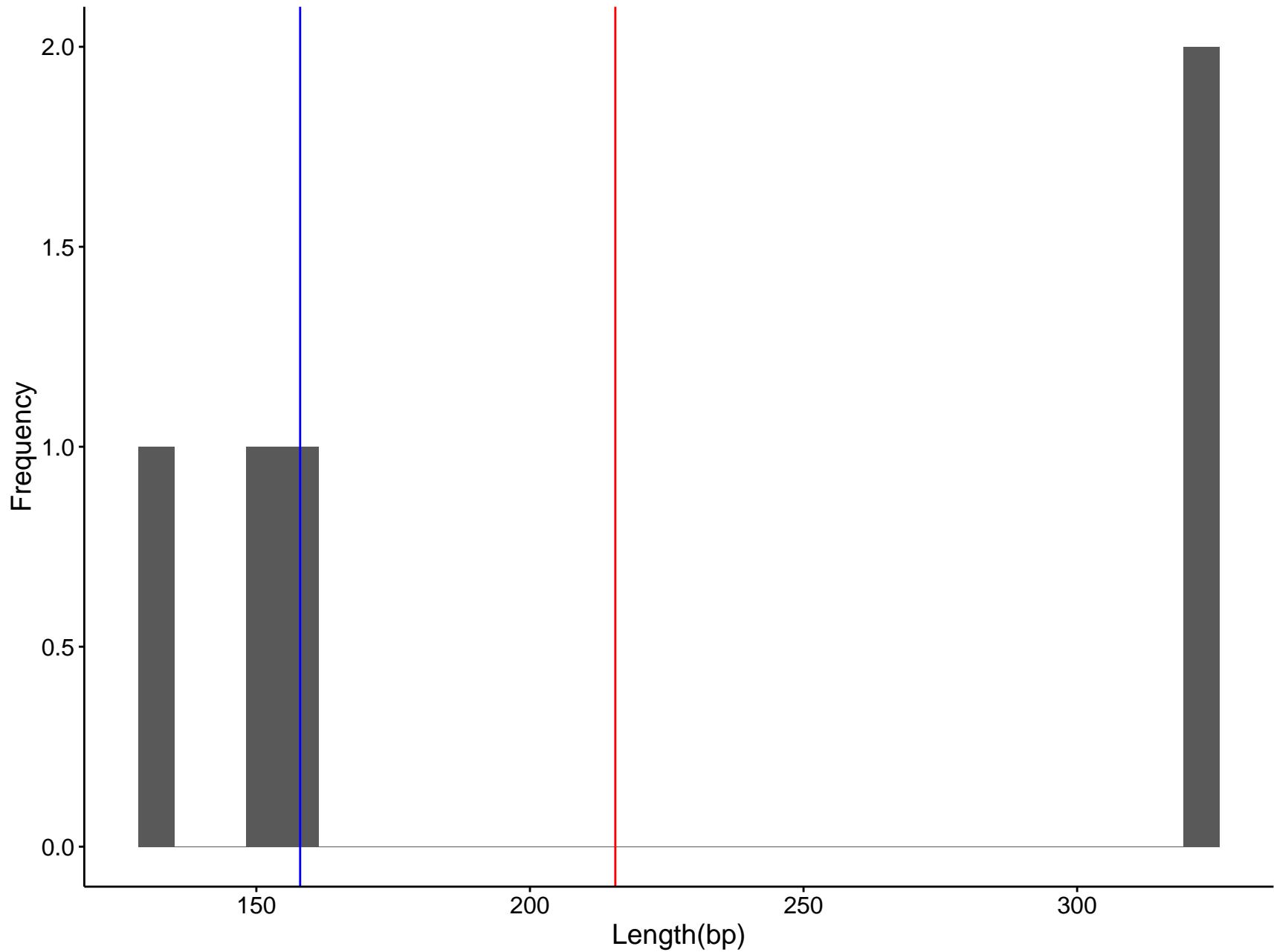
Cluster2730



Cluster2731



Cluster2732



Cluster2733

Frequency

489.950

489.975

490.000

490.025

Length(bp)



Cluster2735

Frequency

256.950

256.975

257.000

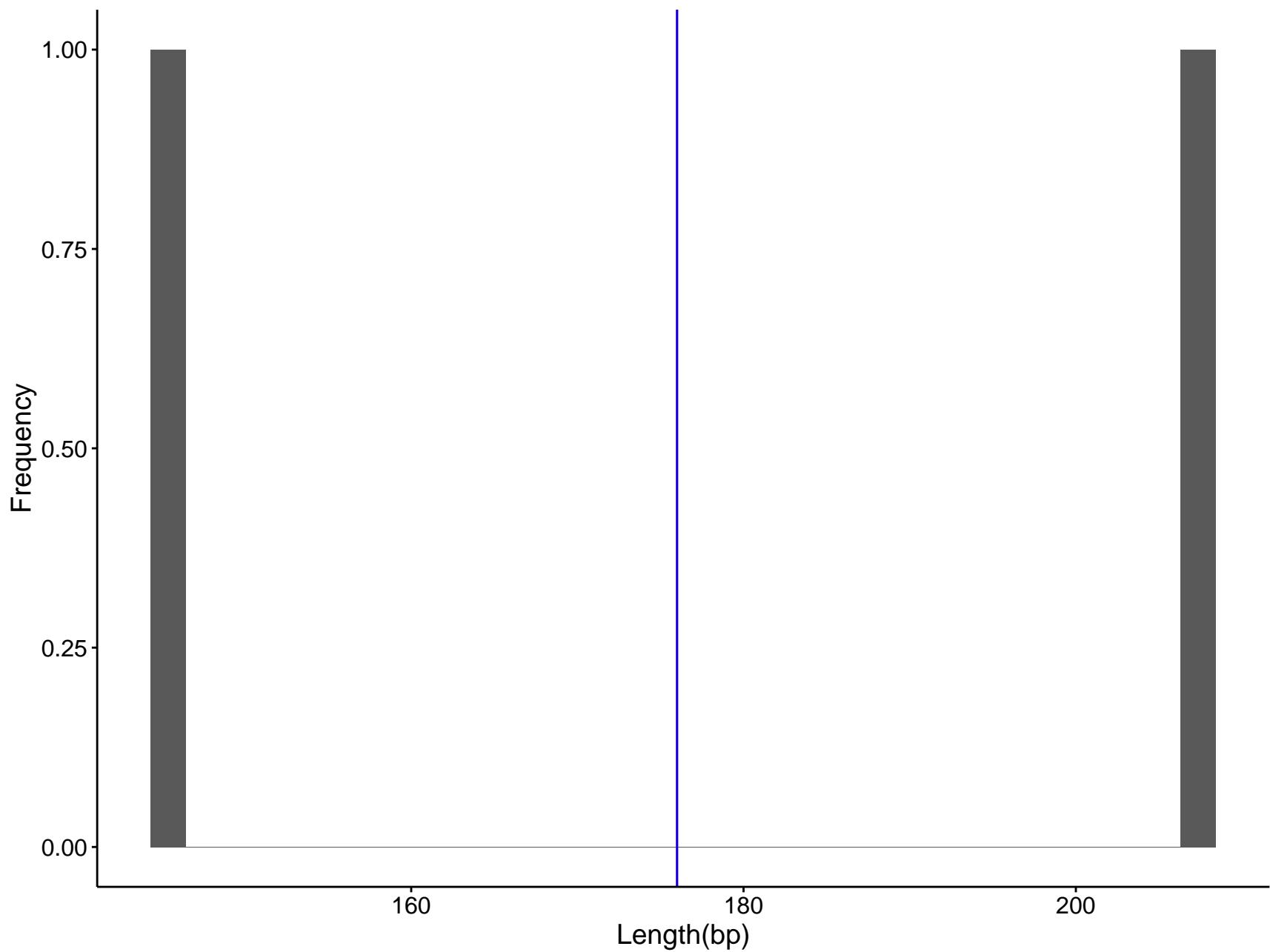
257.025

257.0

Length(bp)



Cluster2736



Cluster2737

Frequency

357.950

357.975

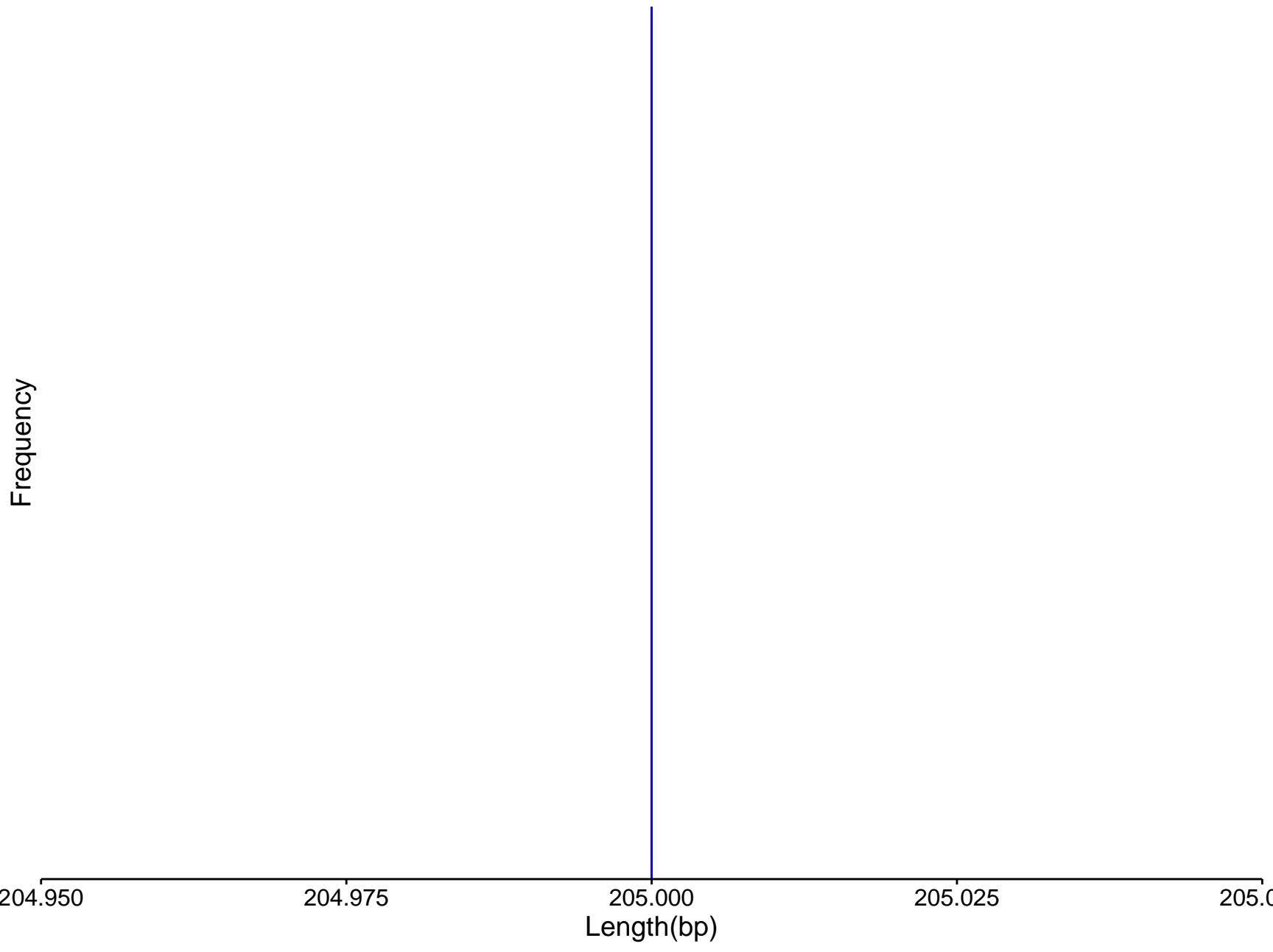
358.000

358.025

Length(bp)



Cluster2738



Cluster2739

Frequency

1013.950

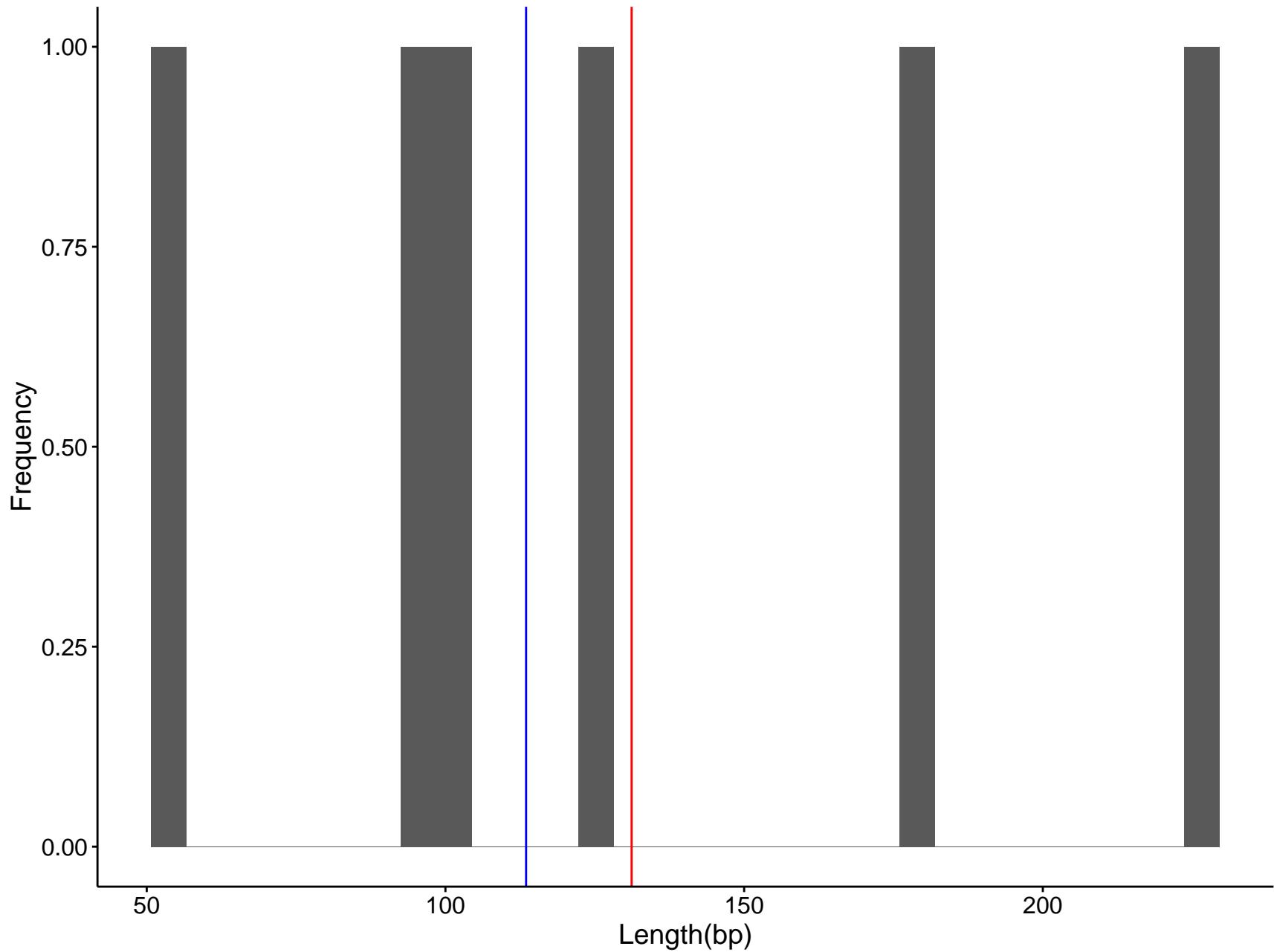
1013.975

1014.000  
Length(bp)

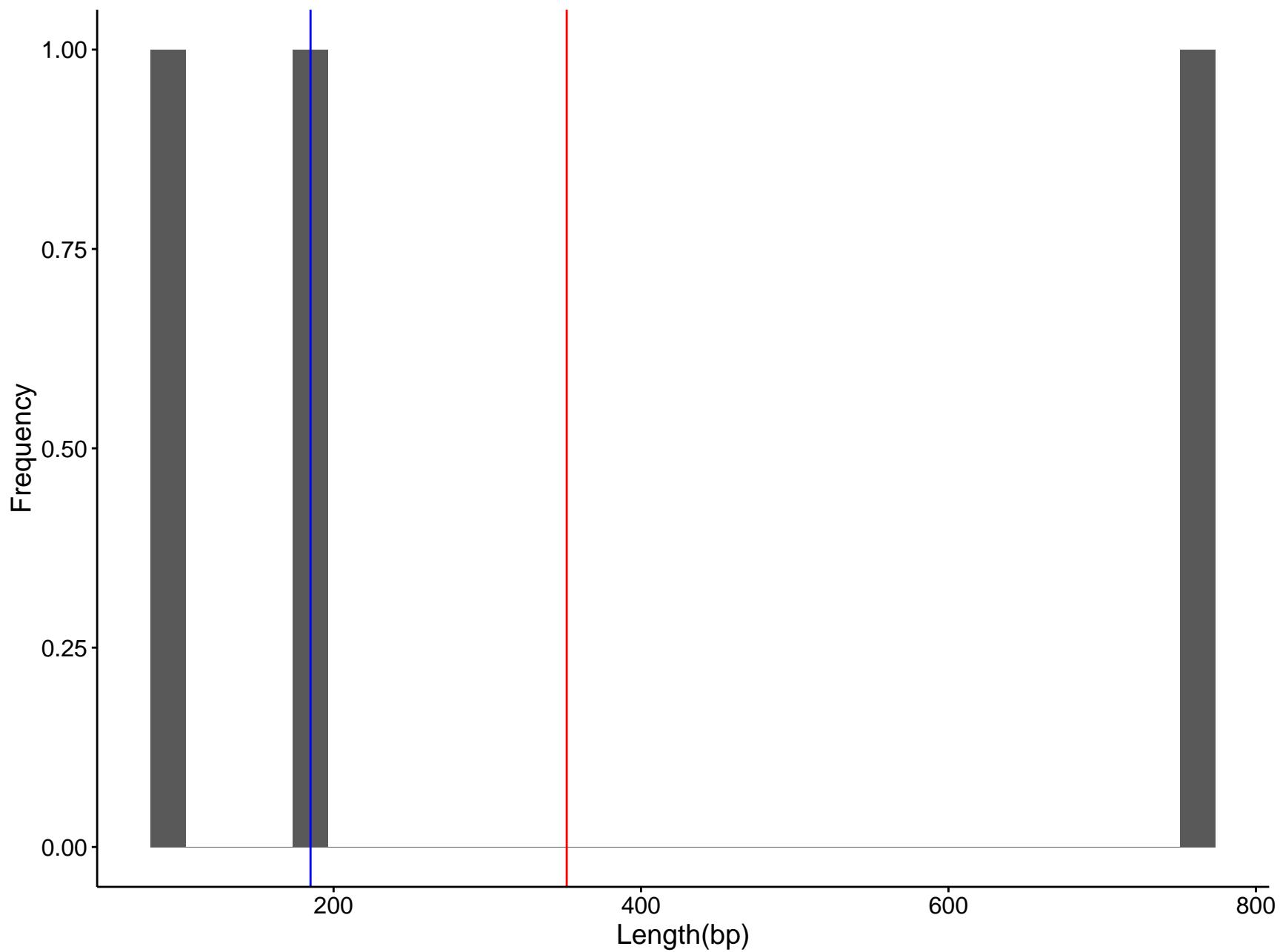
1014.025



Cluster273



Cluster2741



# Cluster2743

Frequency

65.950

65.975

66.000

66.025

66.0

Length(bp)



Cluster2745

Frequency

498.950

498.975

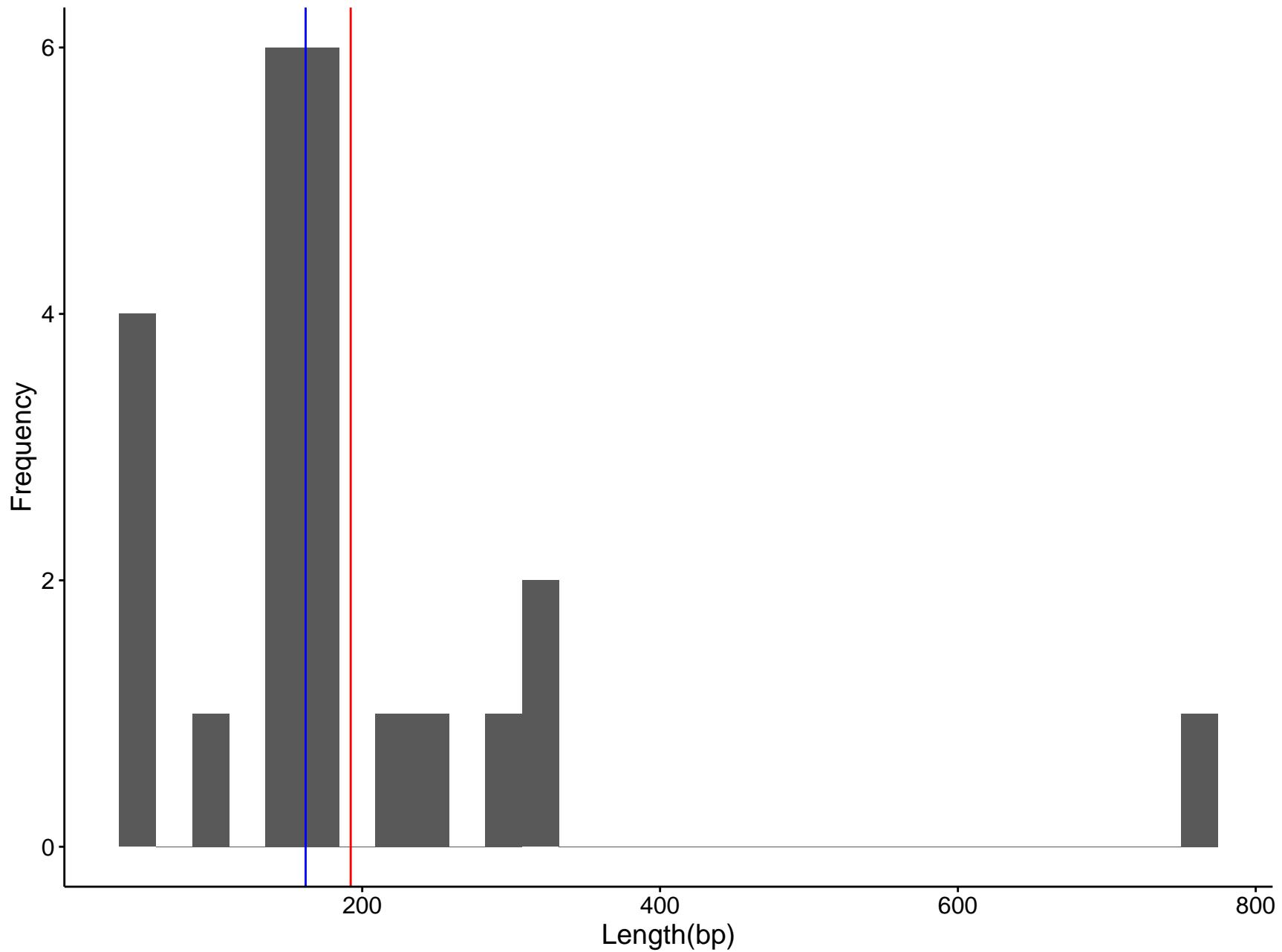
499.000

499.025

Length(bp)



Cluster2747



Cluster2755

Frequency

965.950

965.975

966.000

966.025

Length(bp)



Cluster2756

Frequency

46.950

46.975

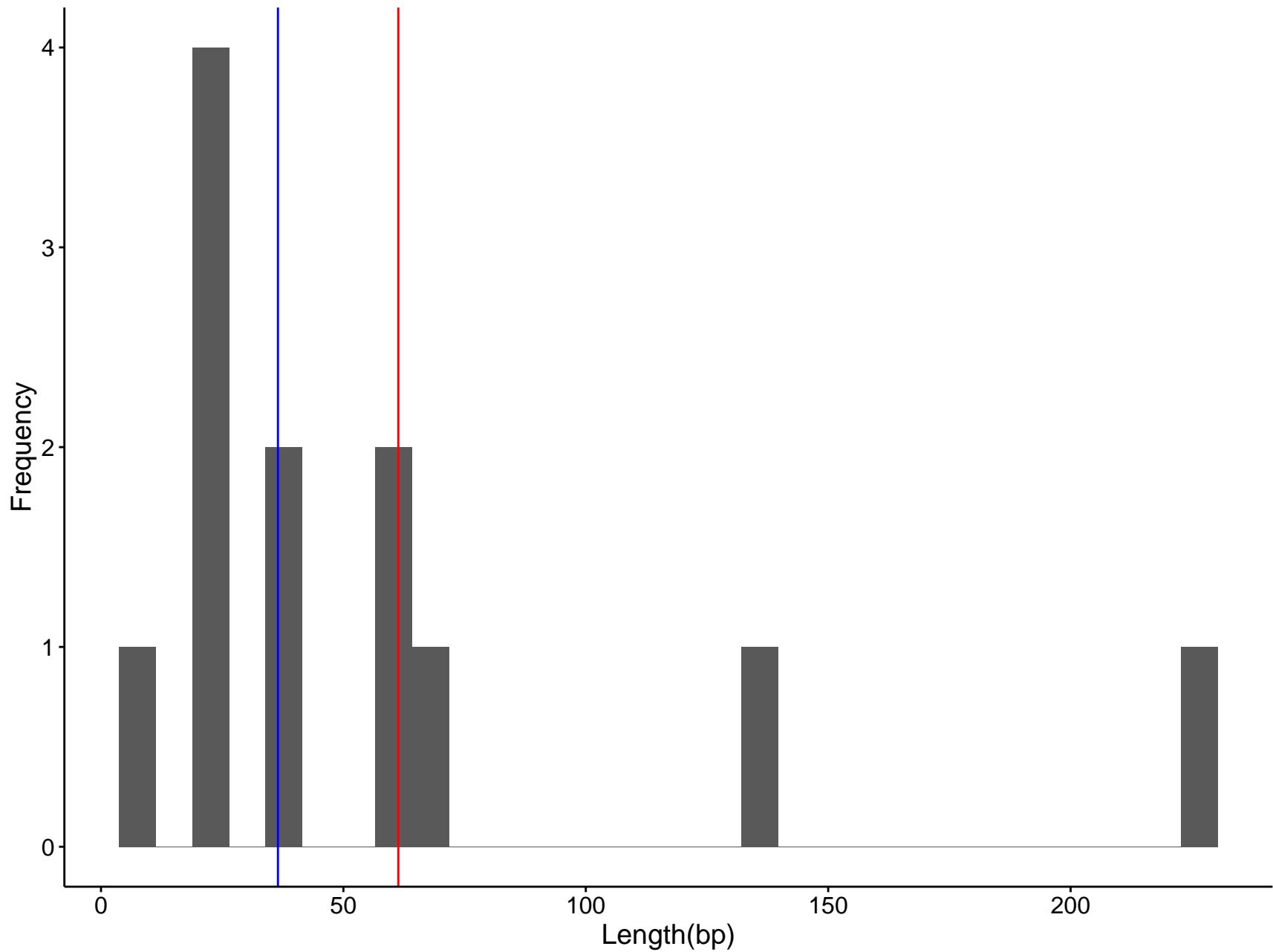
47.000

47.025

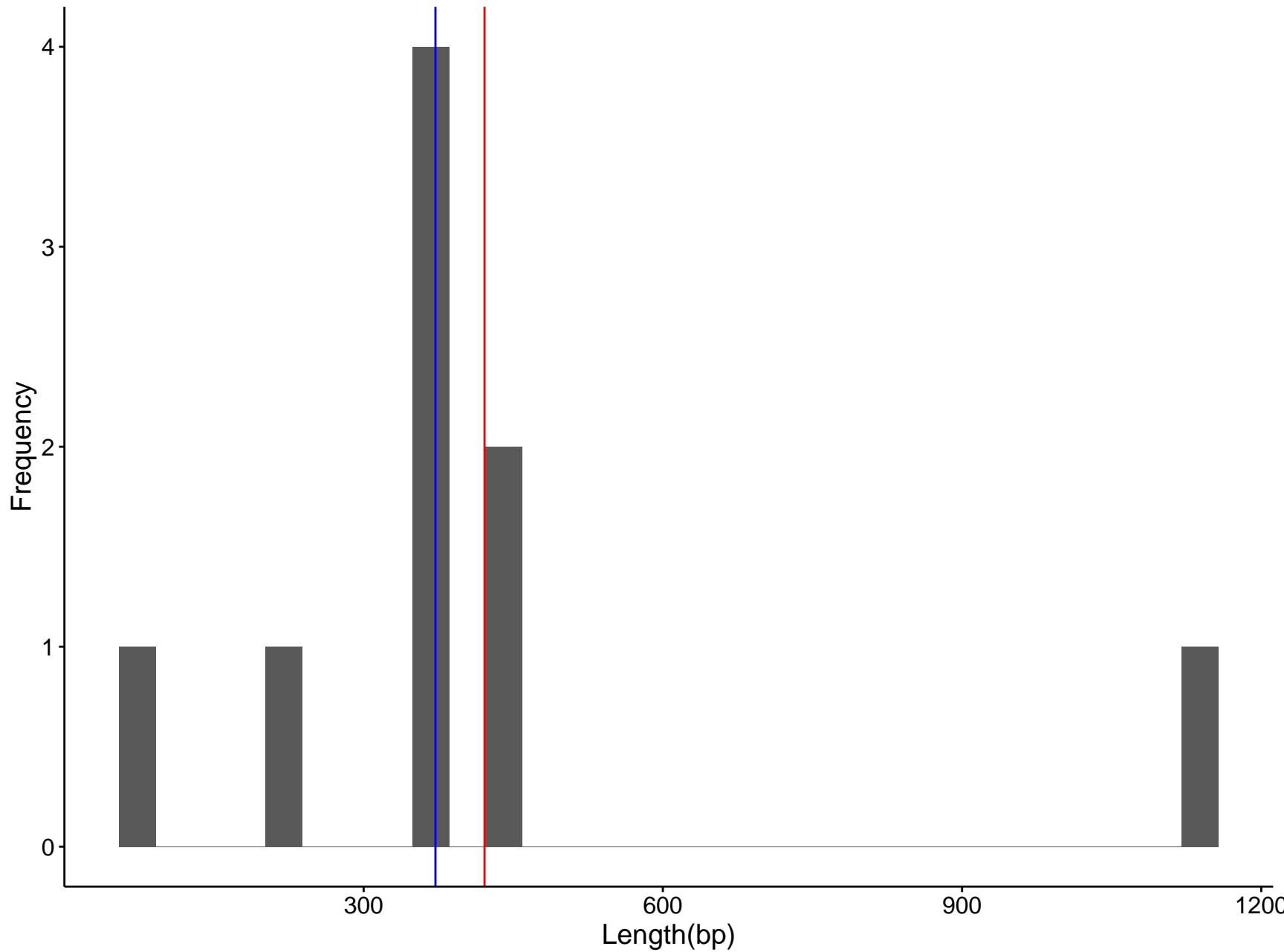
Length(bp)



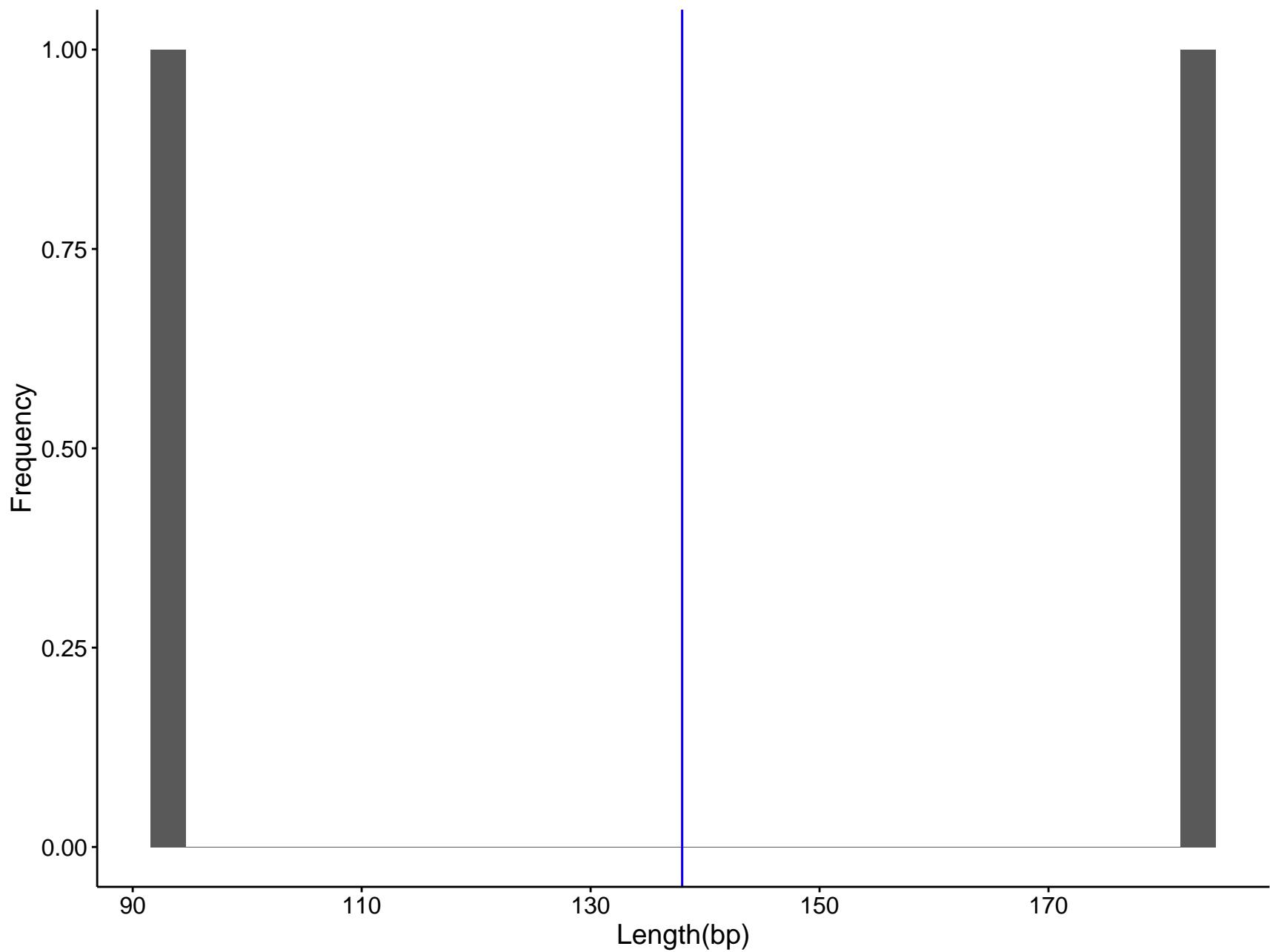
Cluster2759



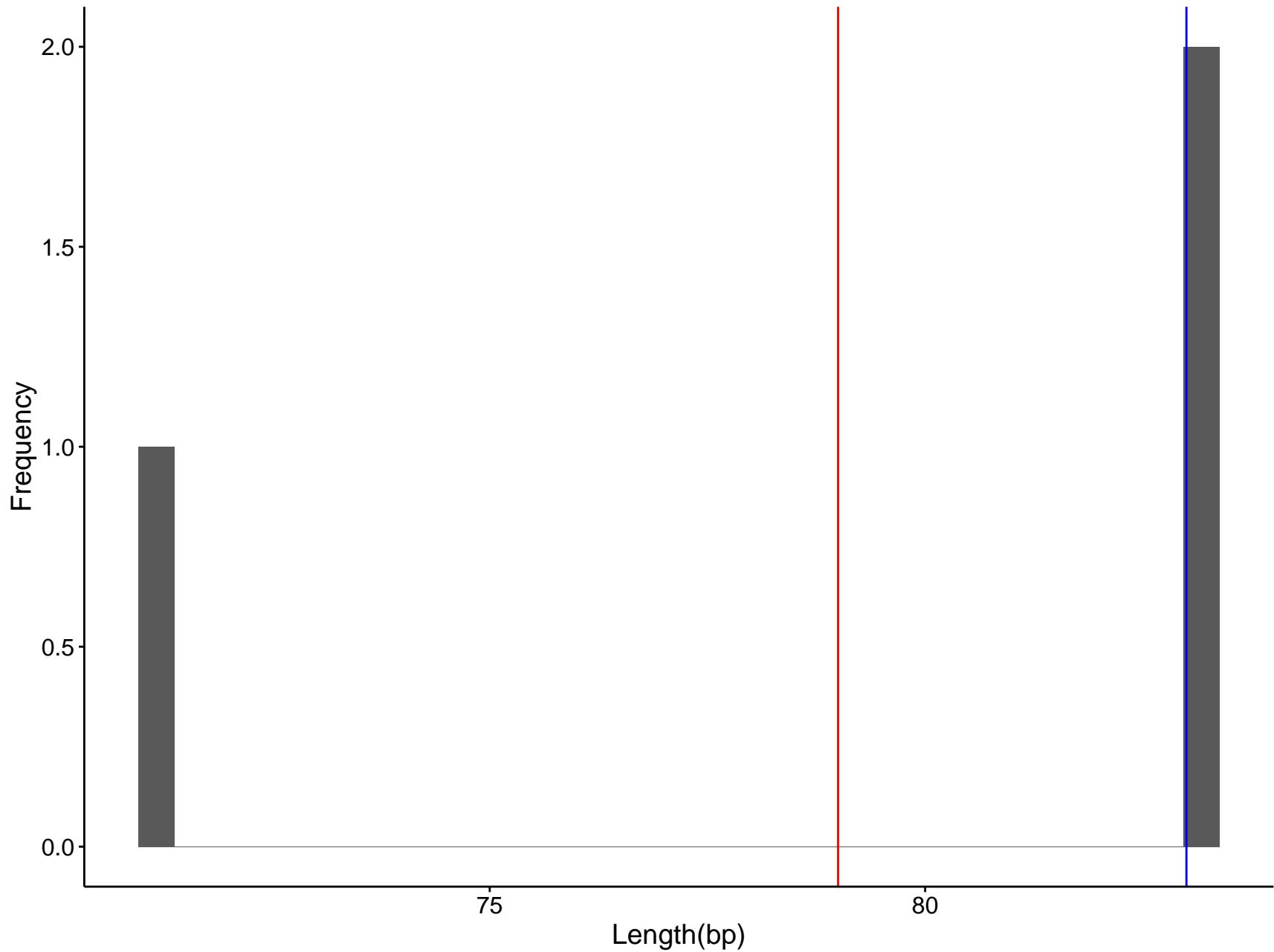
Cluster2762



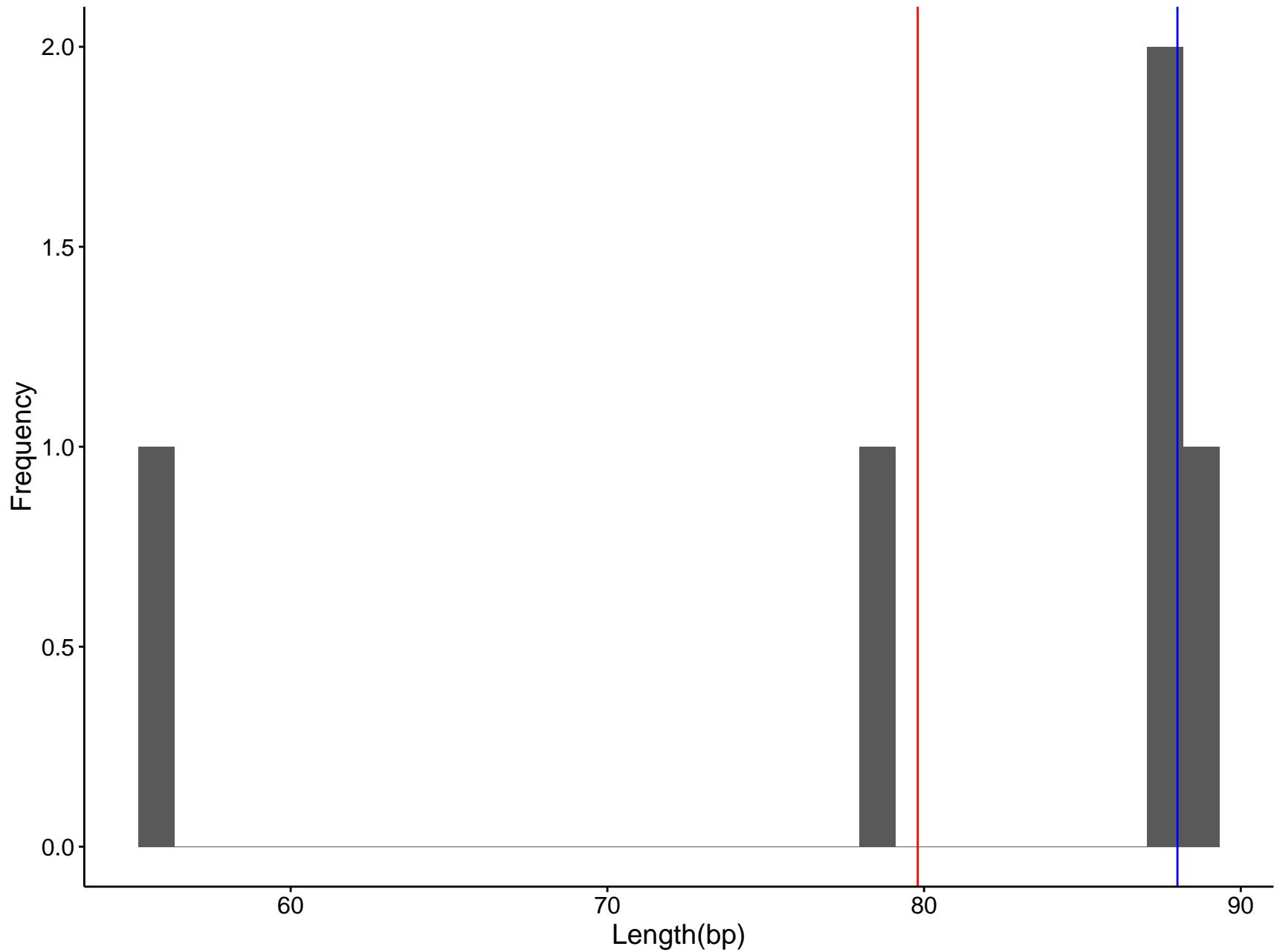
Cluster2763



Cluster2766



Cluster2770



# Cluster2772

Frequency

61.950

61.975

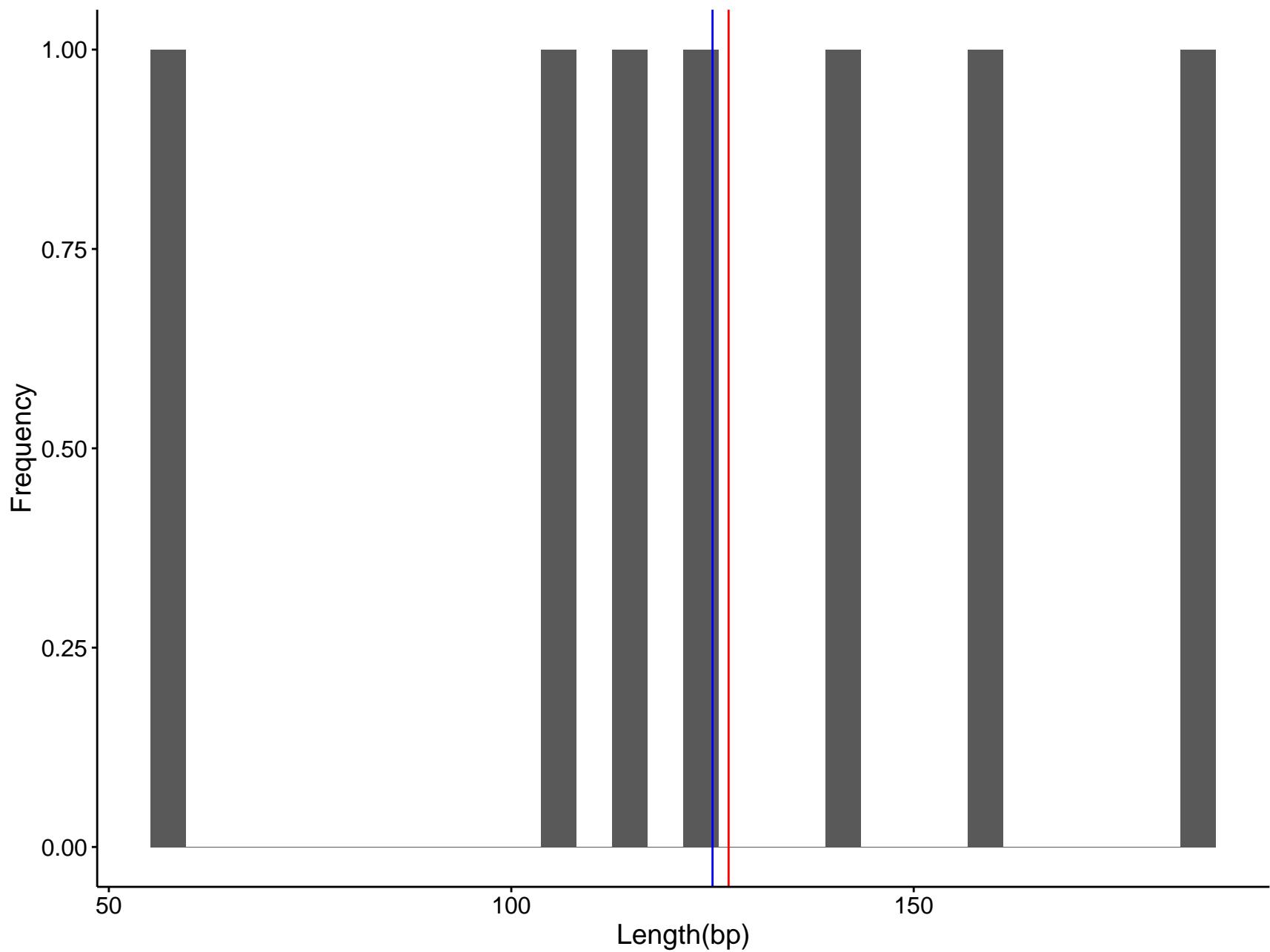
62.000

62.025

Length(bp)



Cluster2781



Cluster2783

Frequency

31.950

31.975

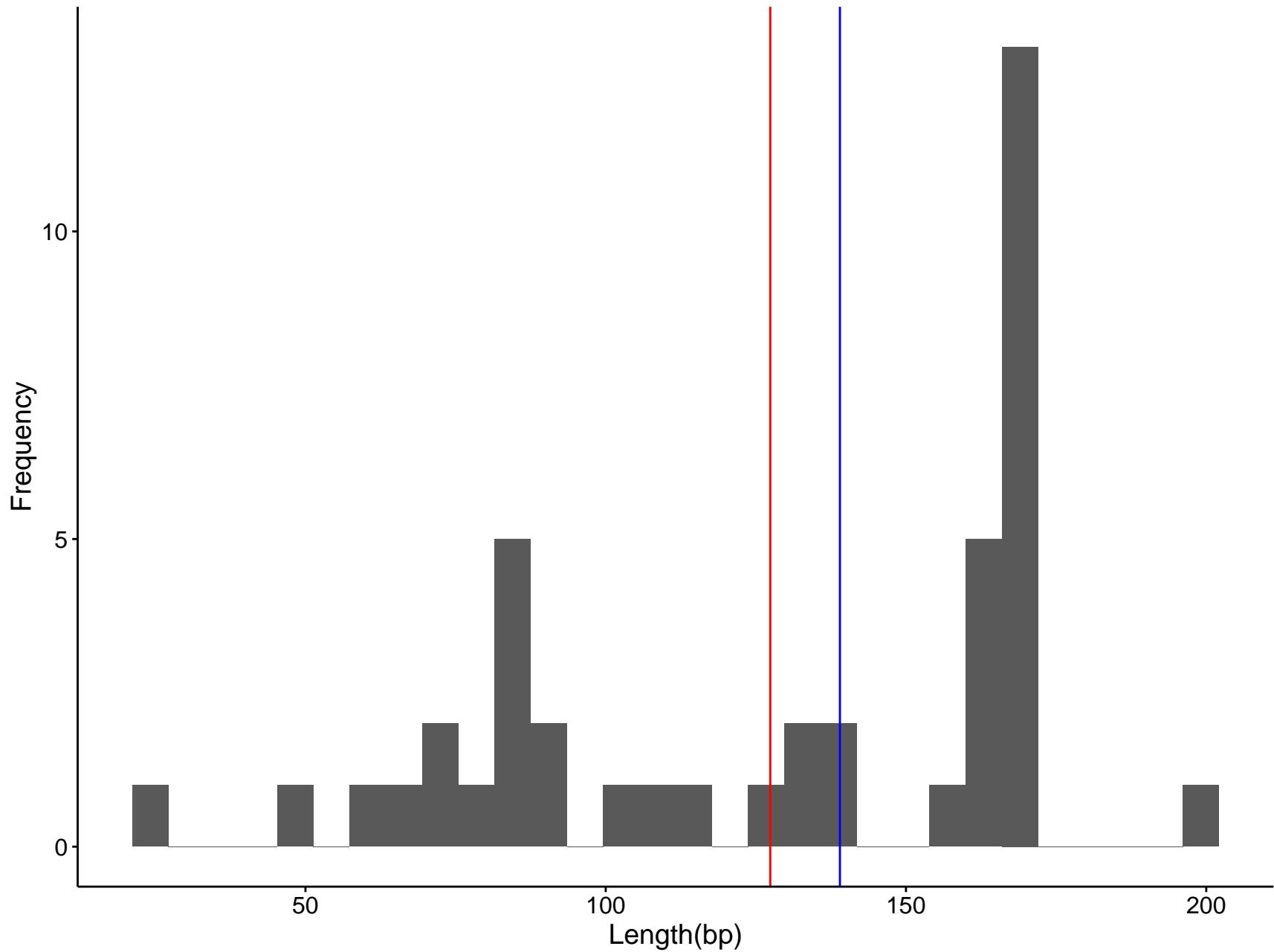
32.000

32.025

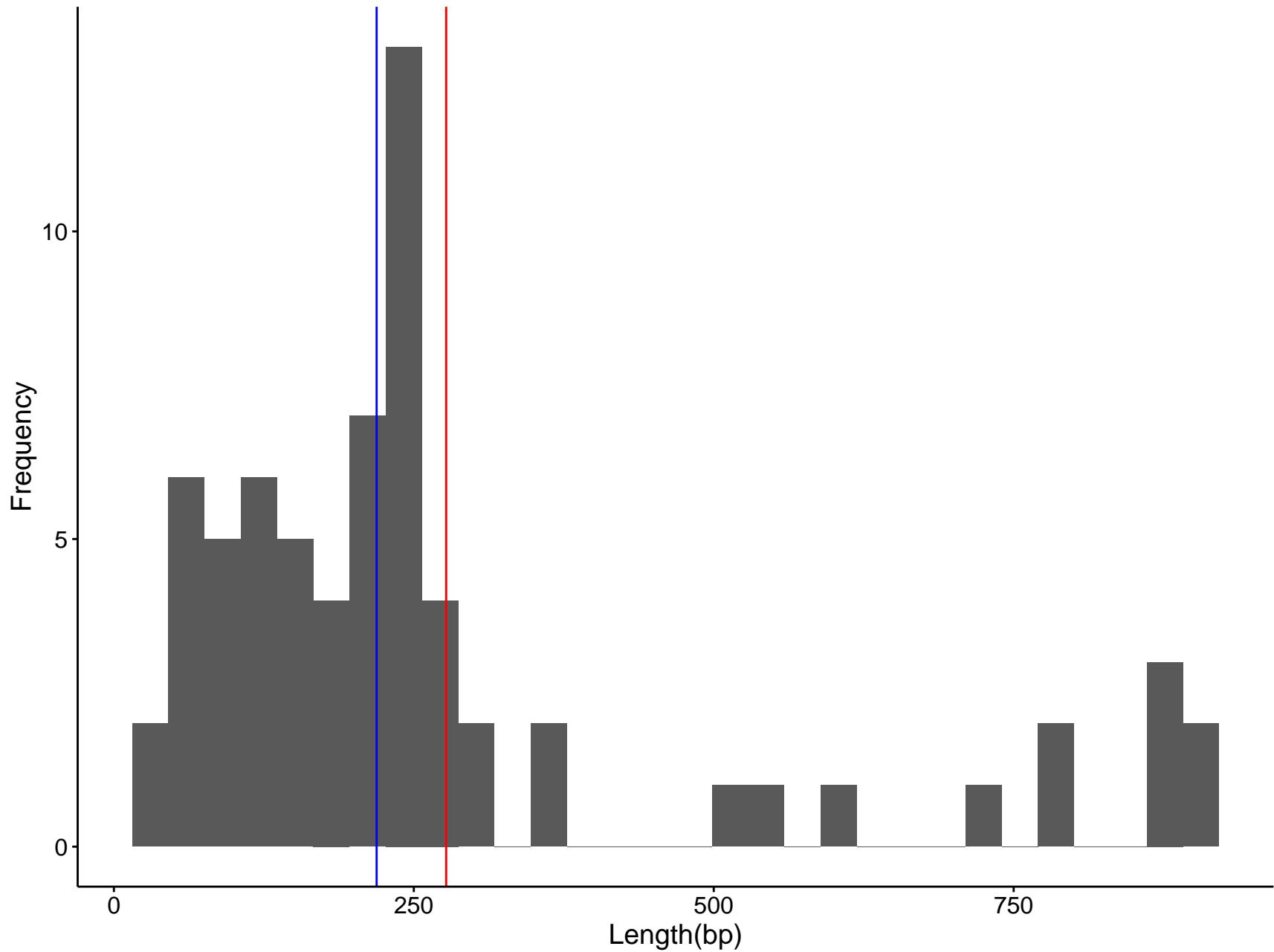
Length(bp)



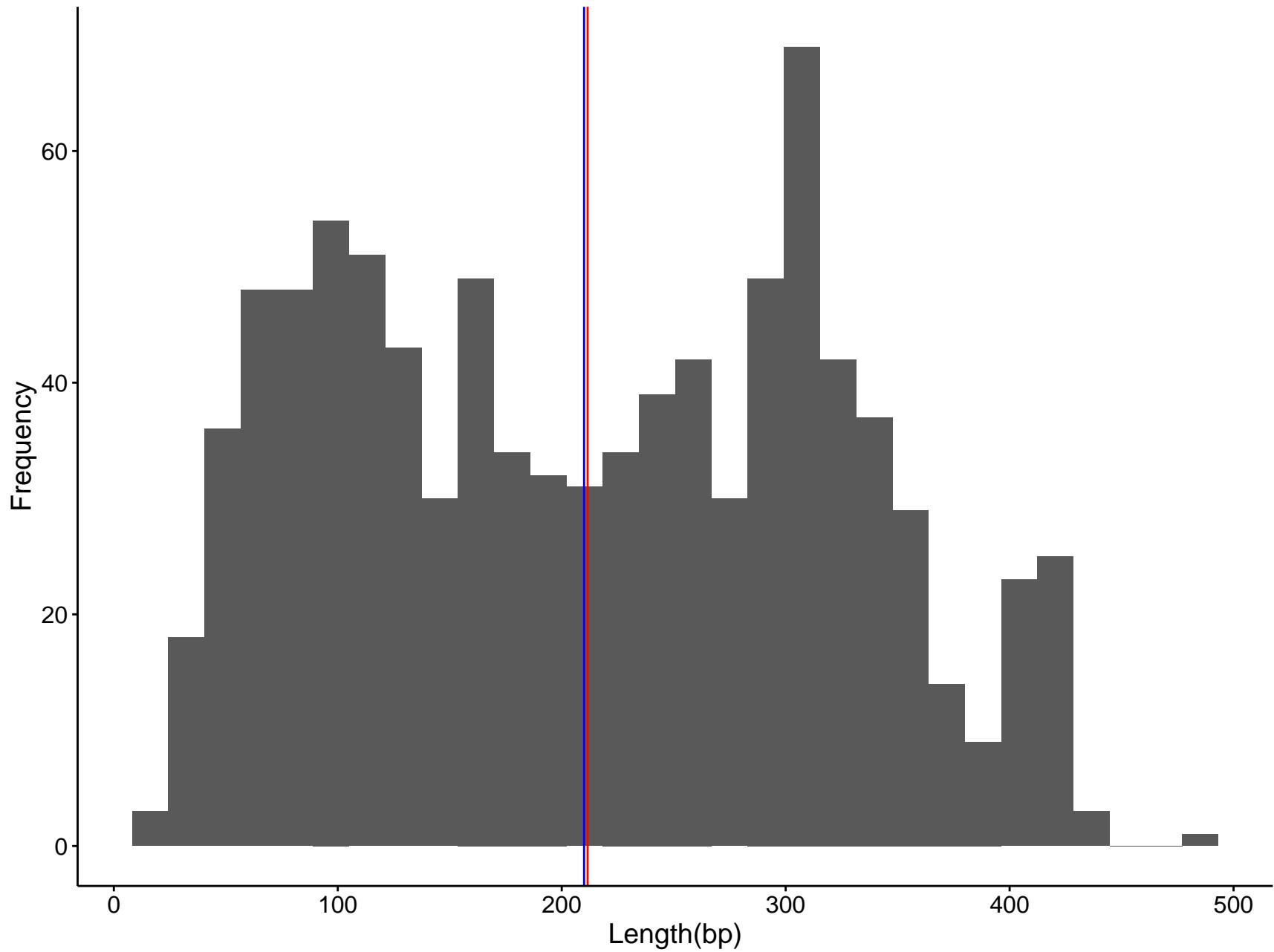
Cluster2784



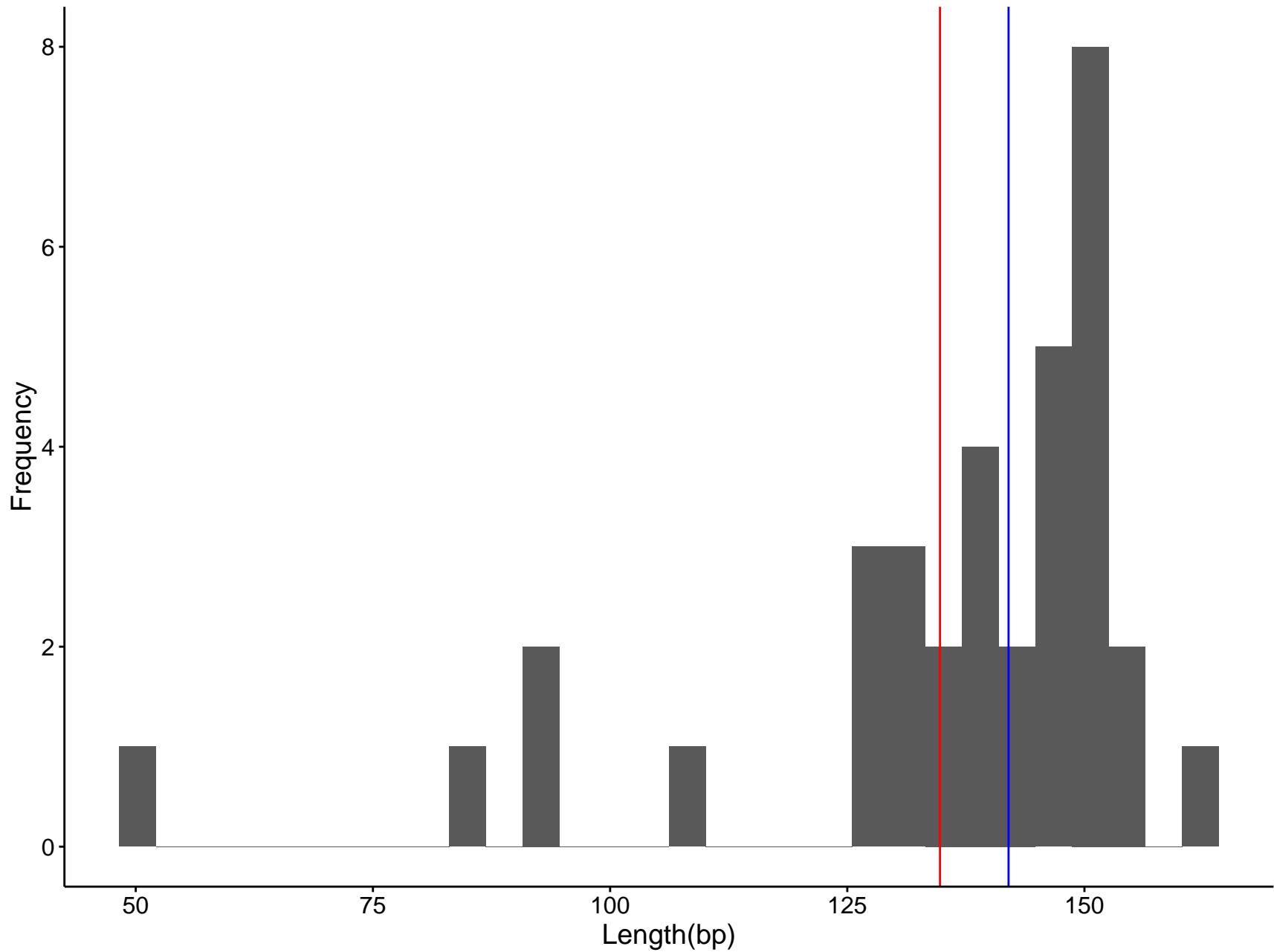
Cluster2785



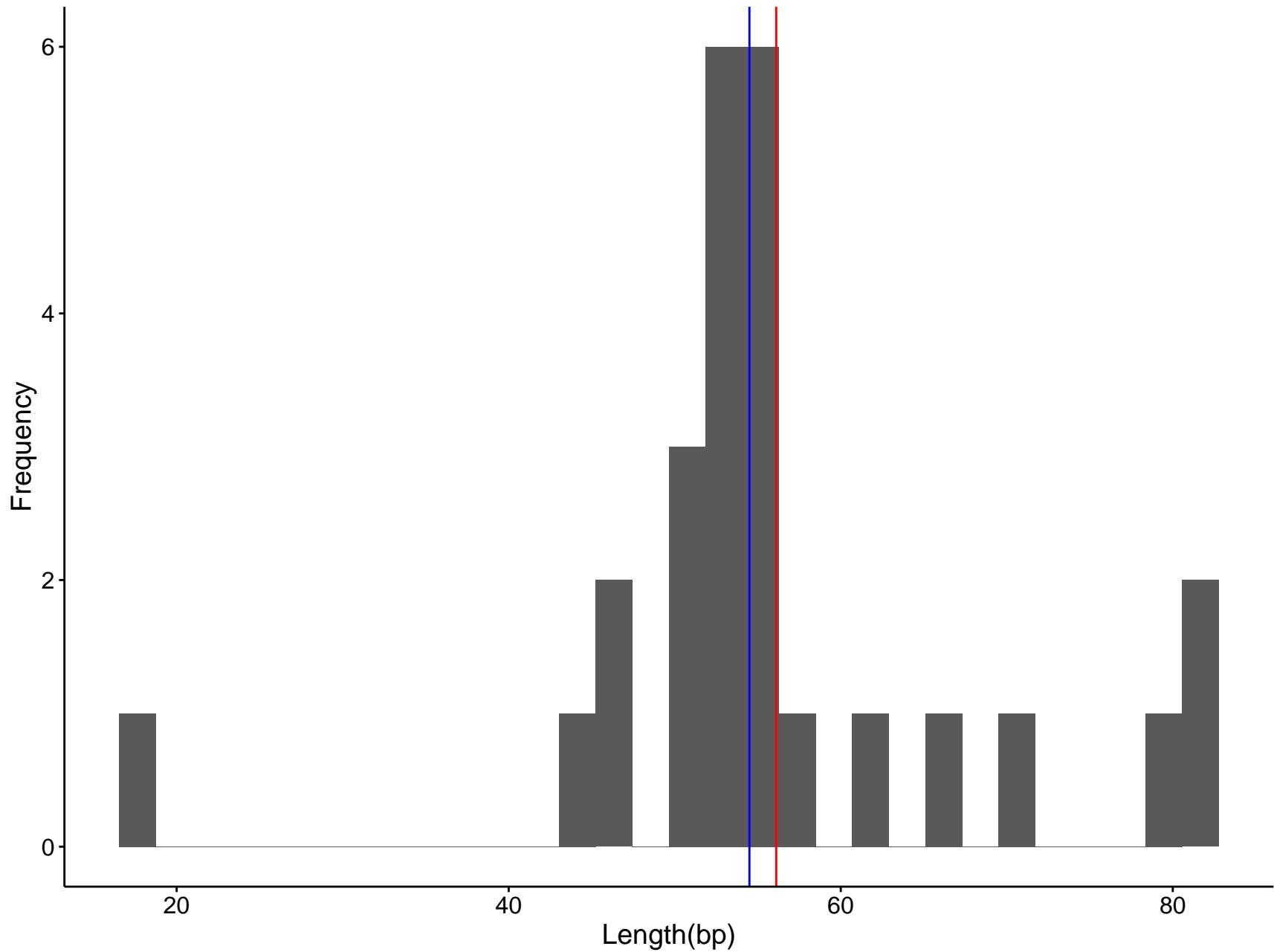
Cluster2786



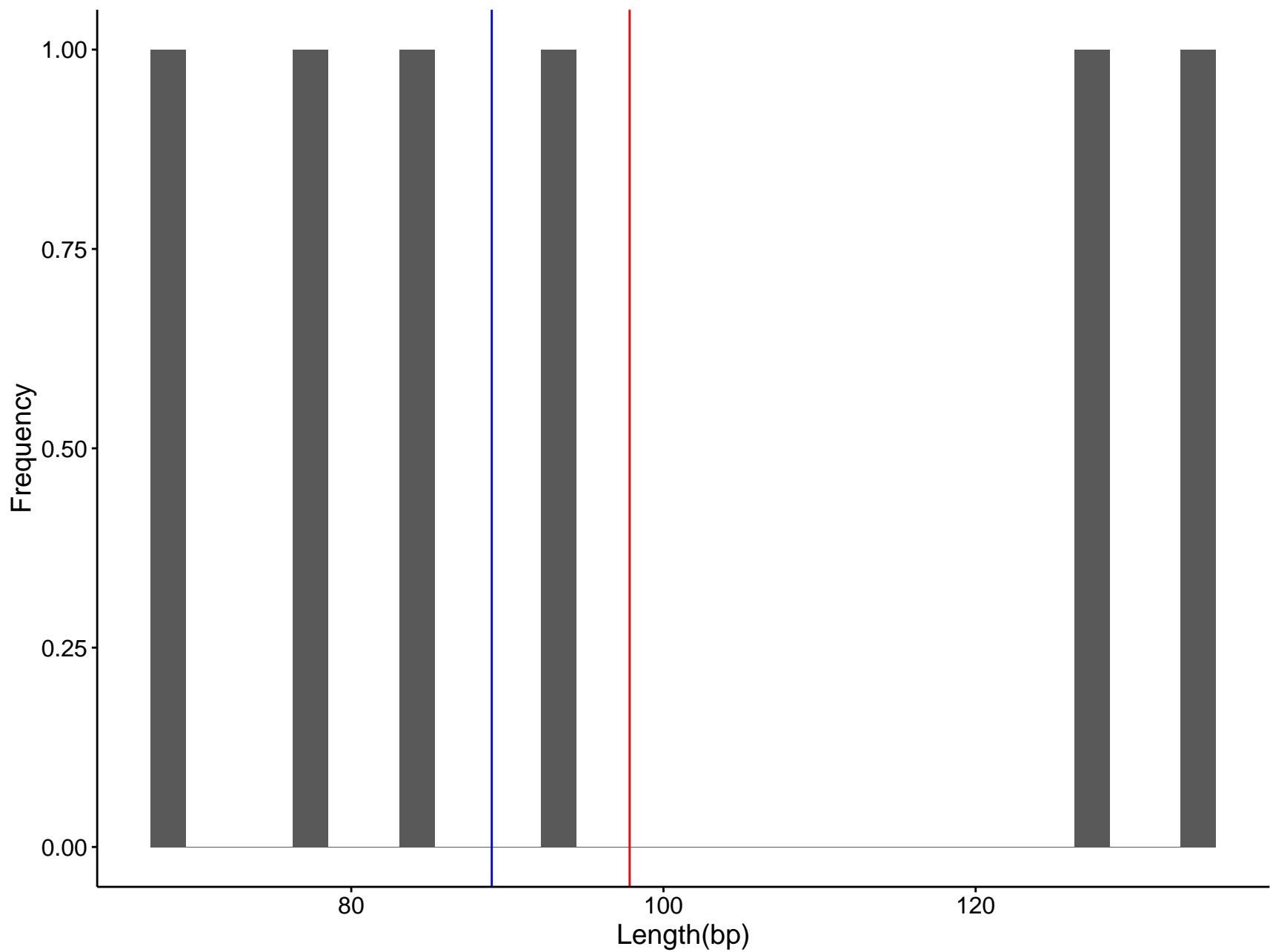
Cluster2787



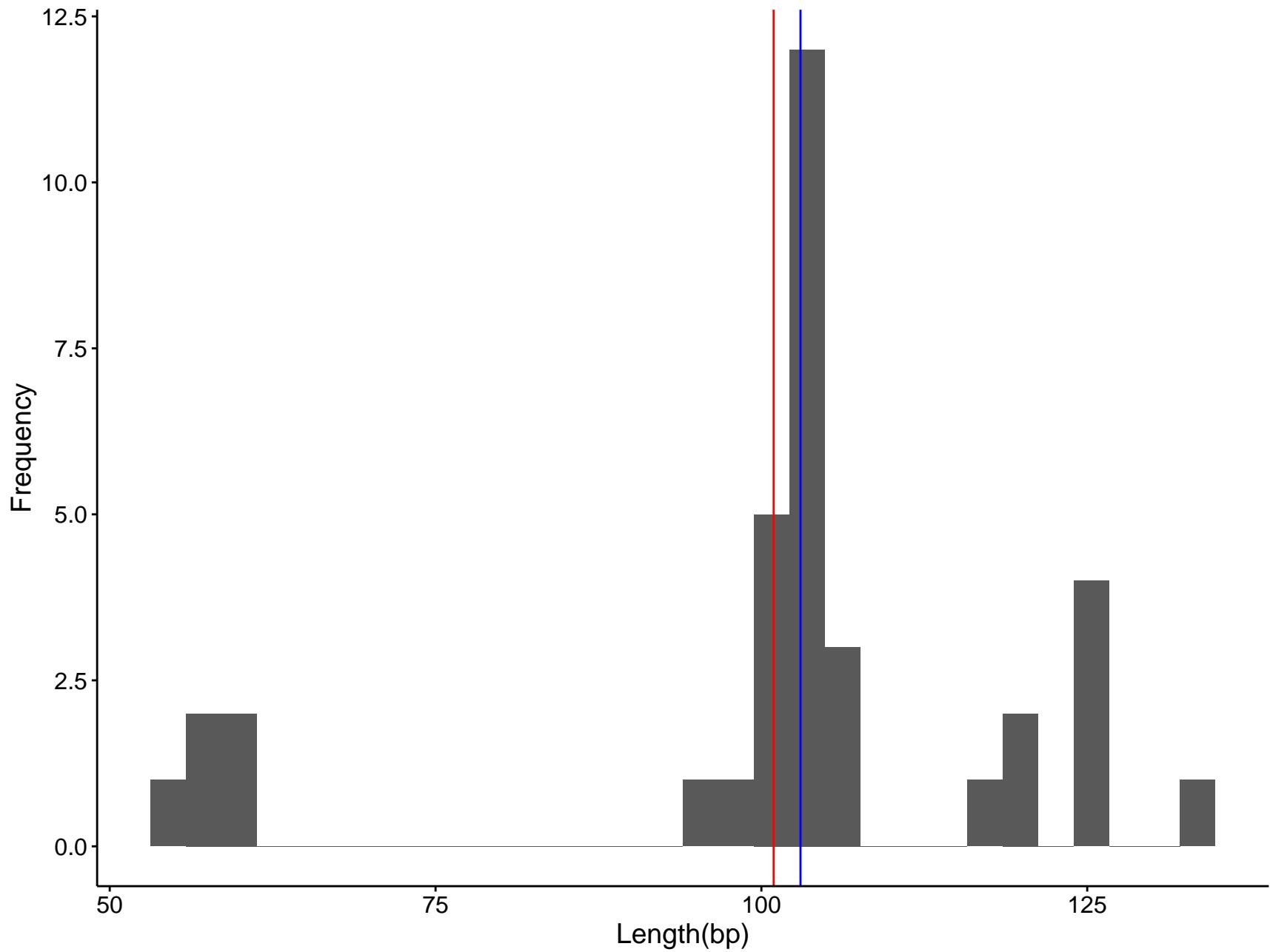
Cluster2788



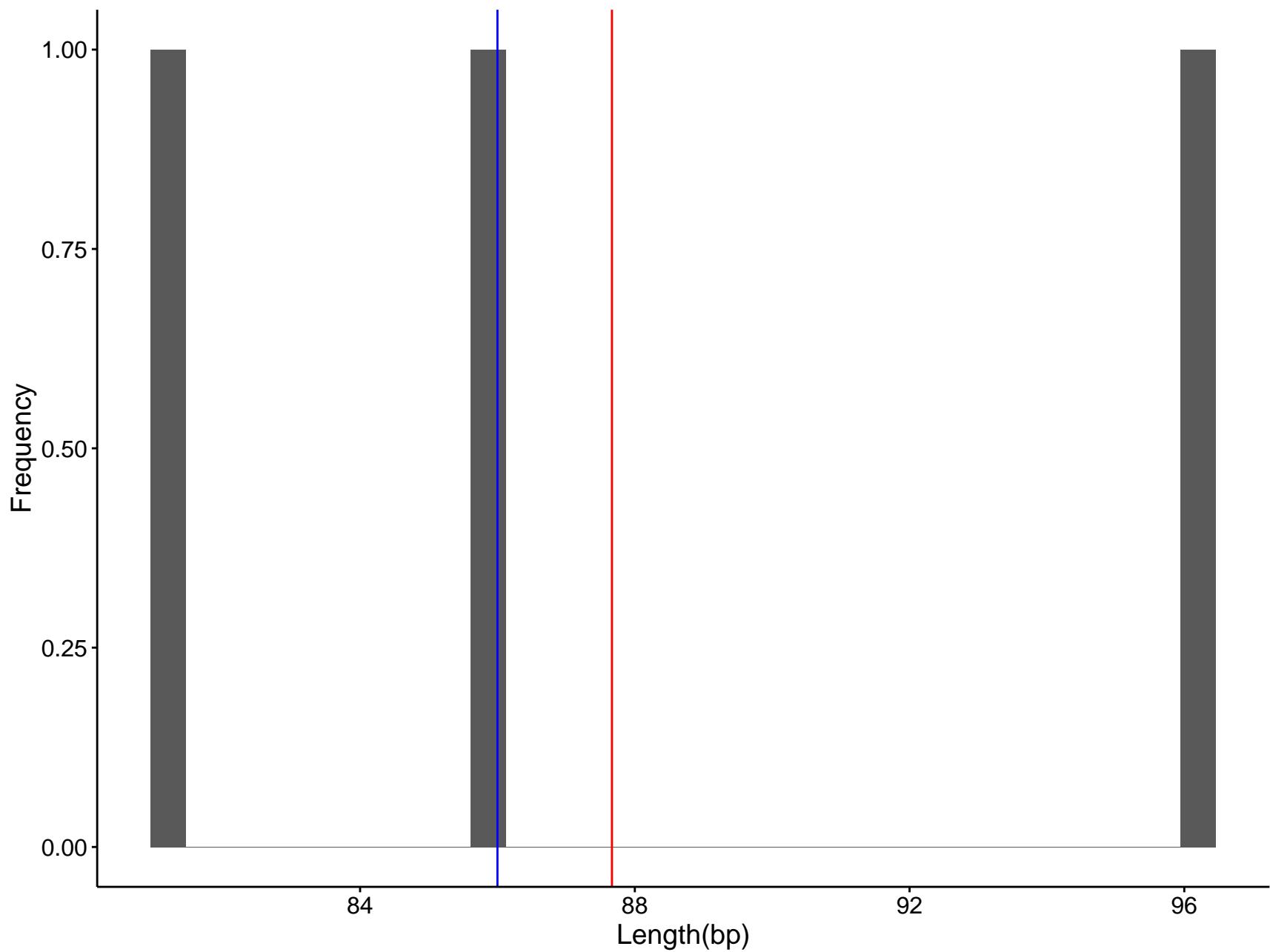
Cluster2789



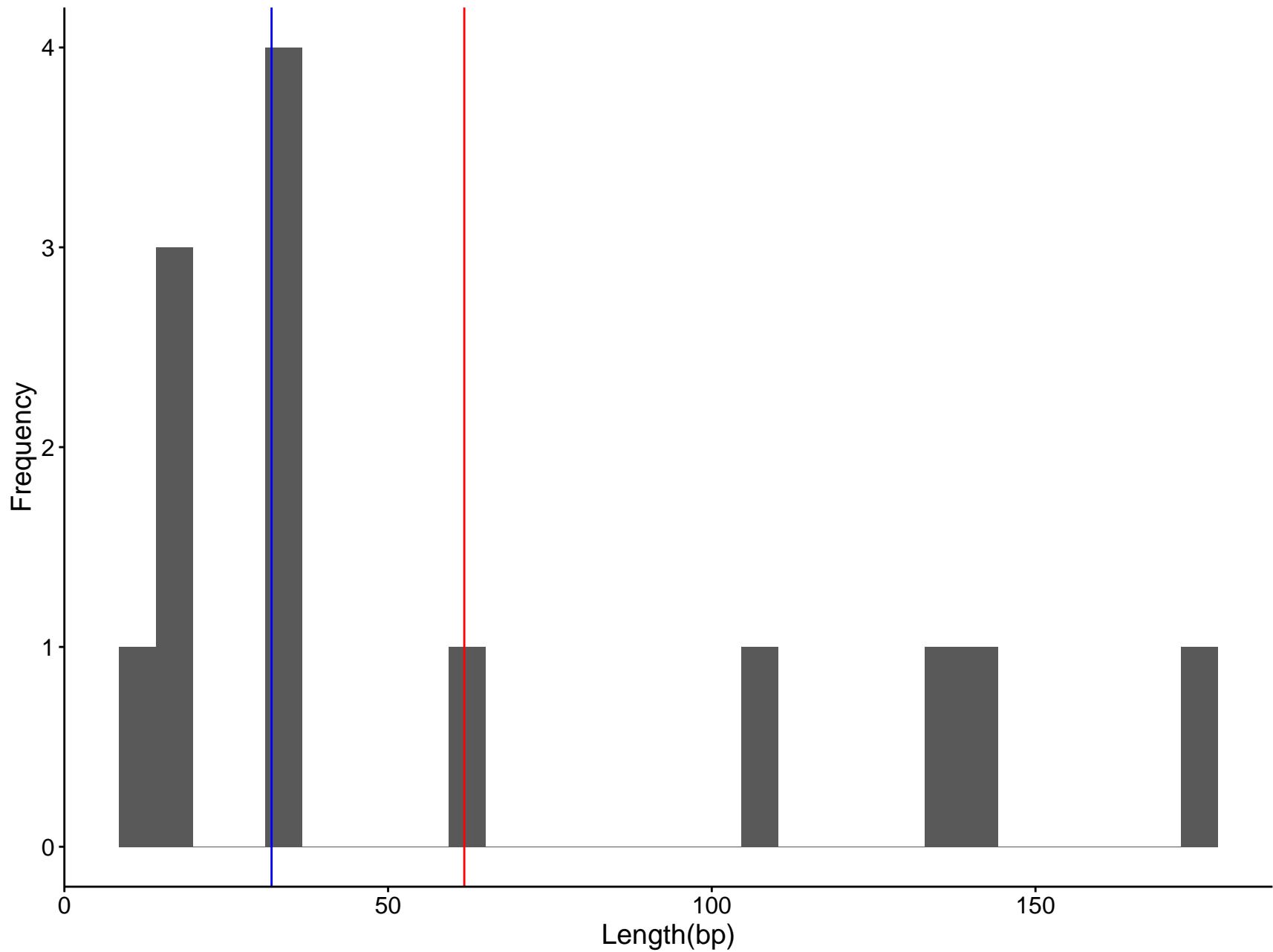
Cluster2790



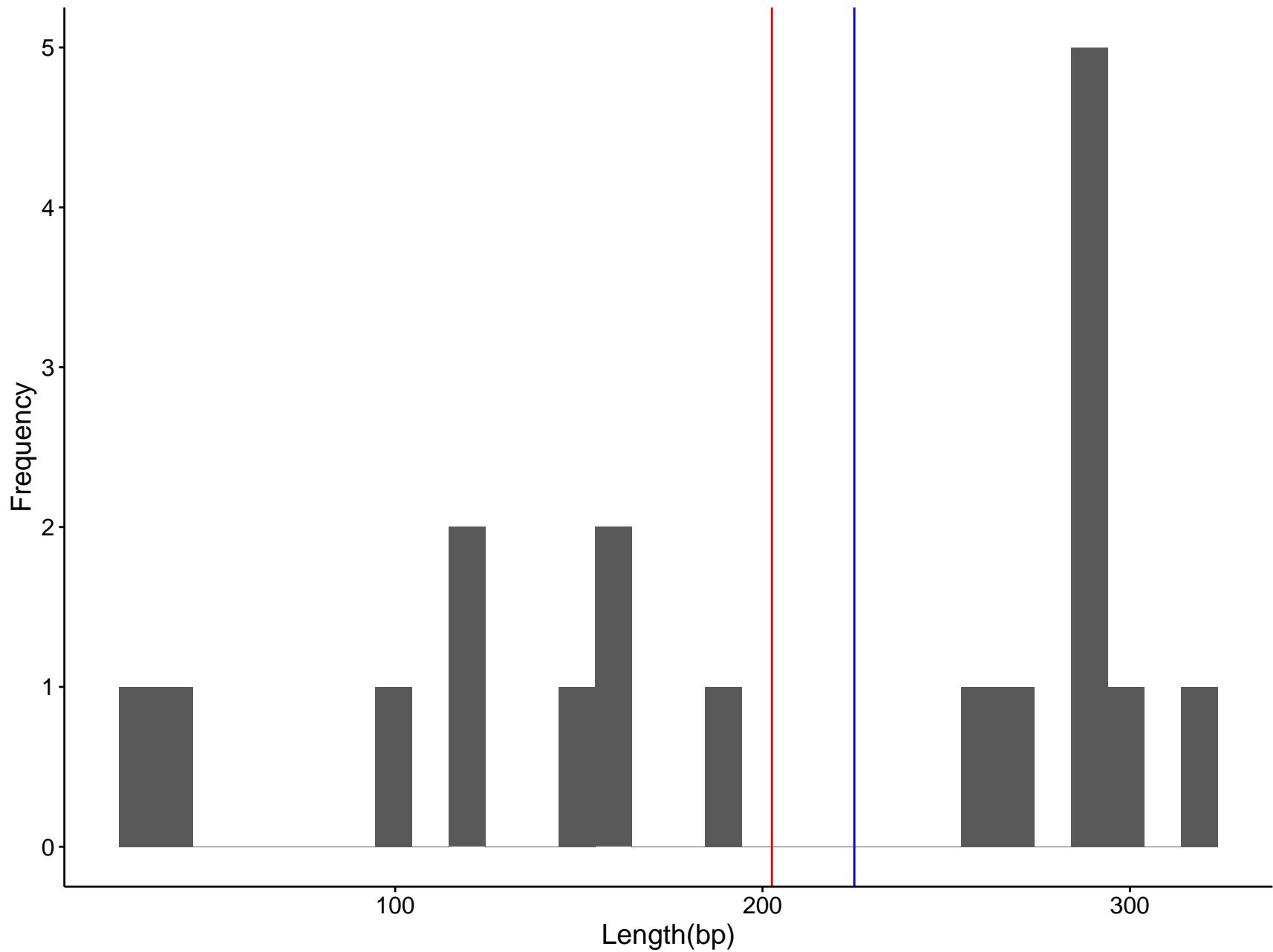
Cluster2791



Cluster2792



Cluster2793



Cluster2794

Frequency

73.950

73.975

74.000

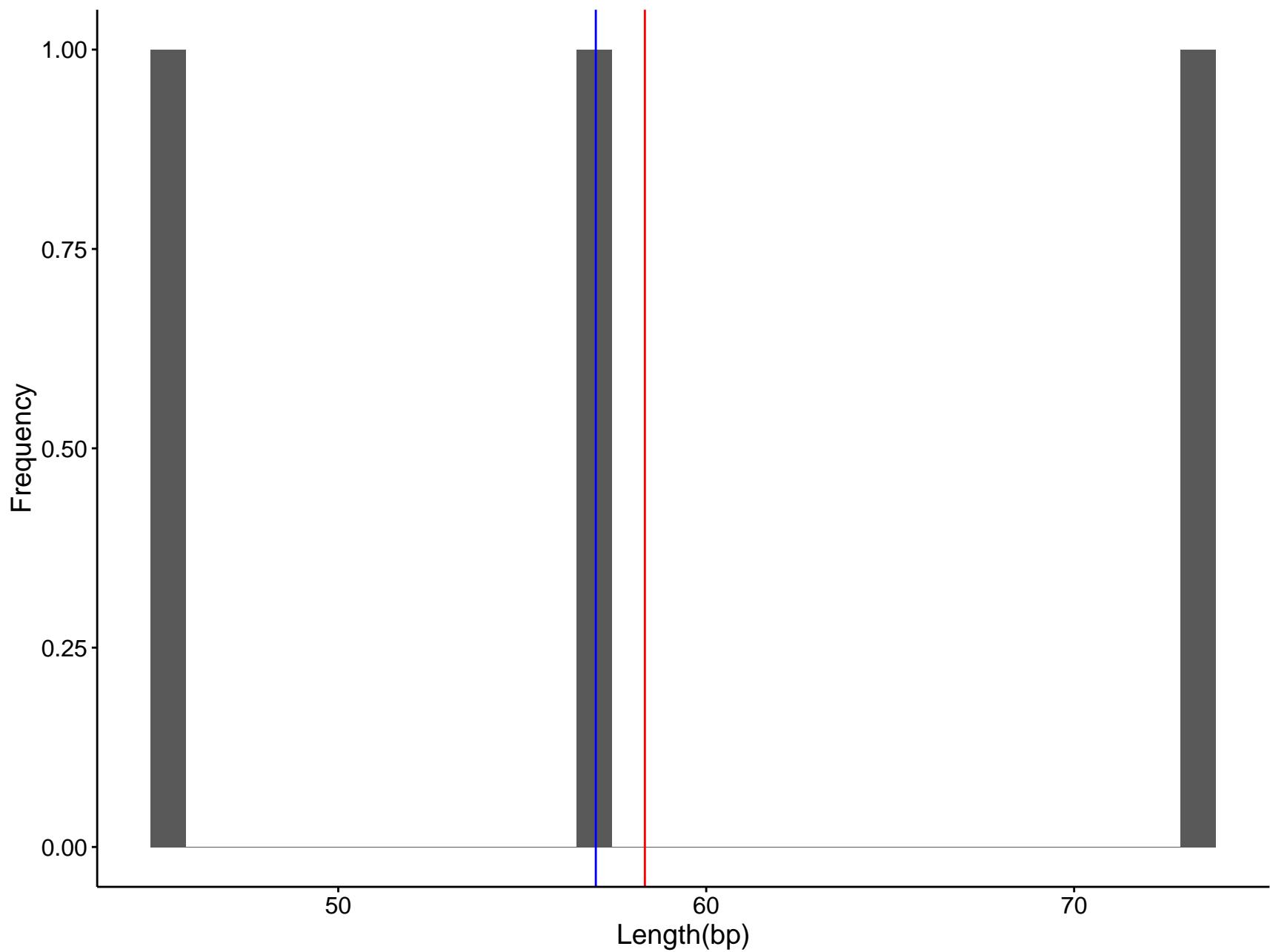
74.025

74.0

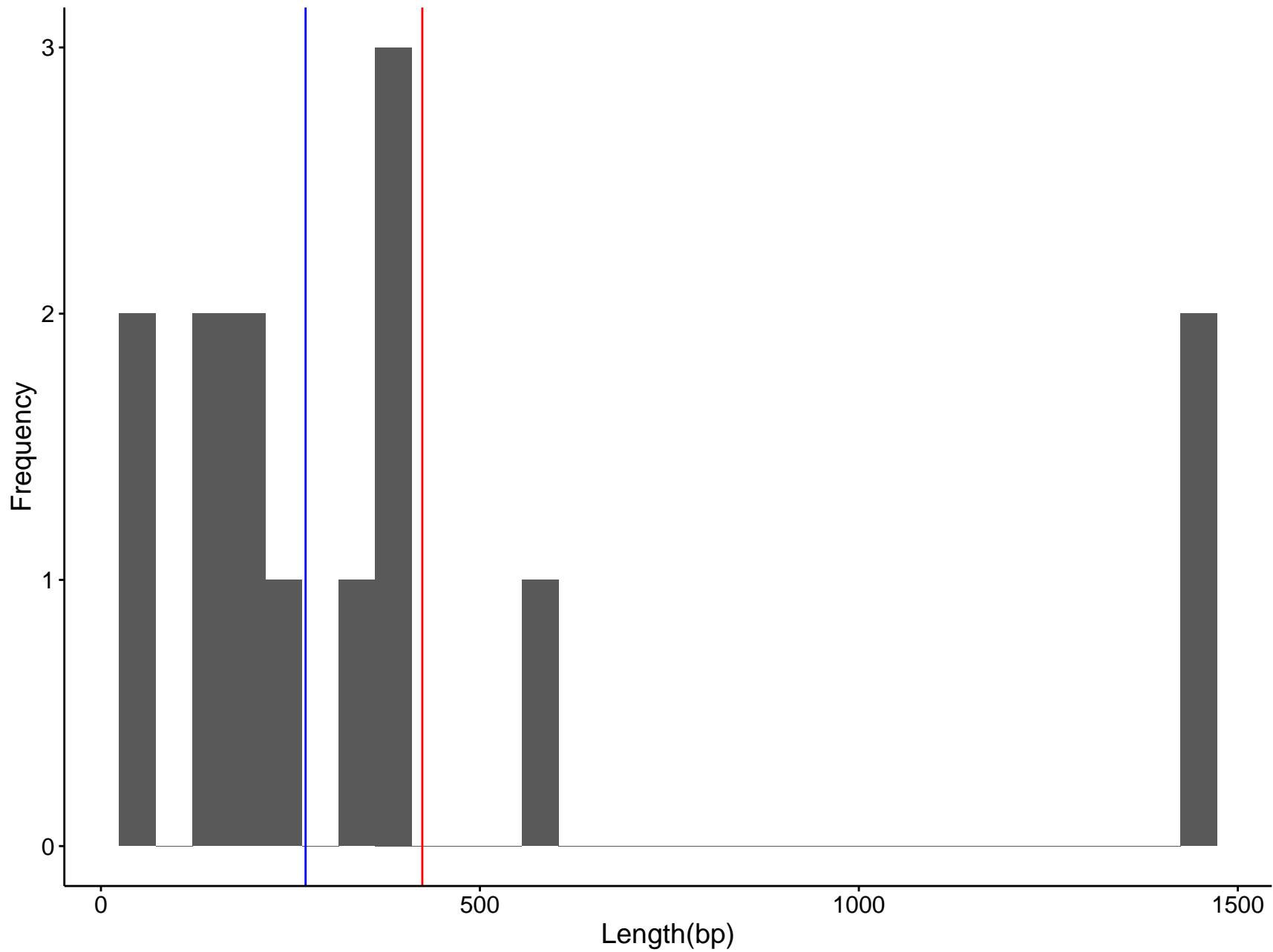
Length(bp)



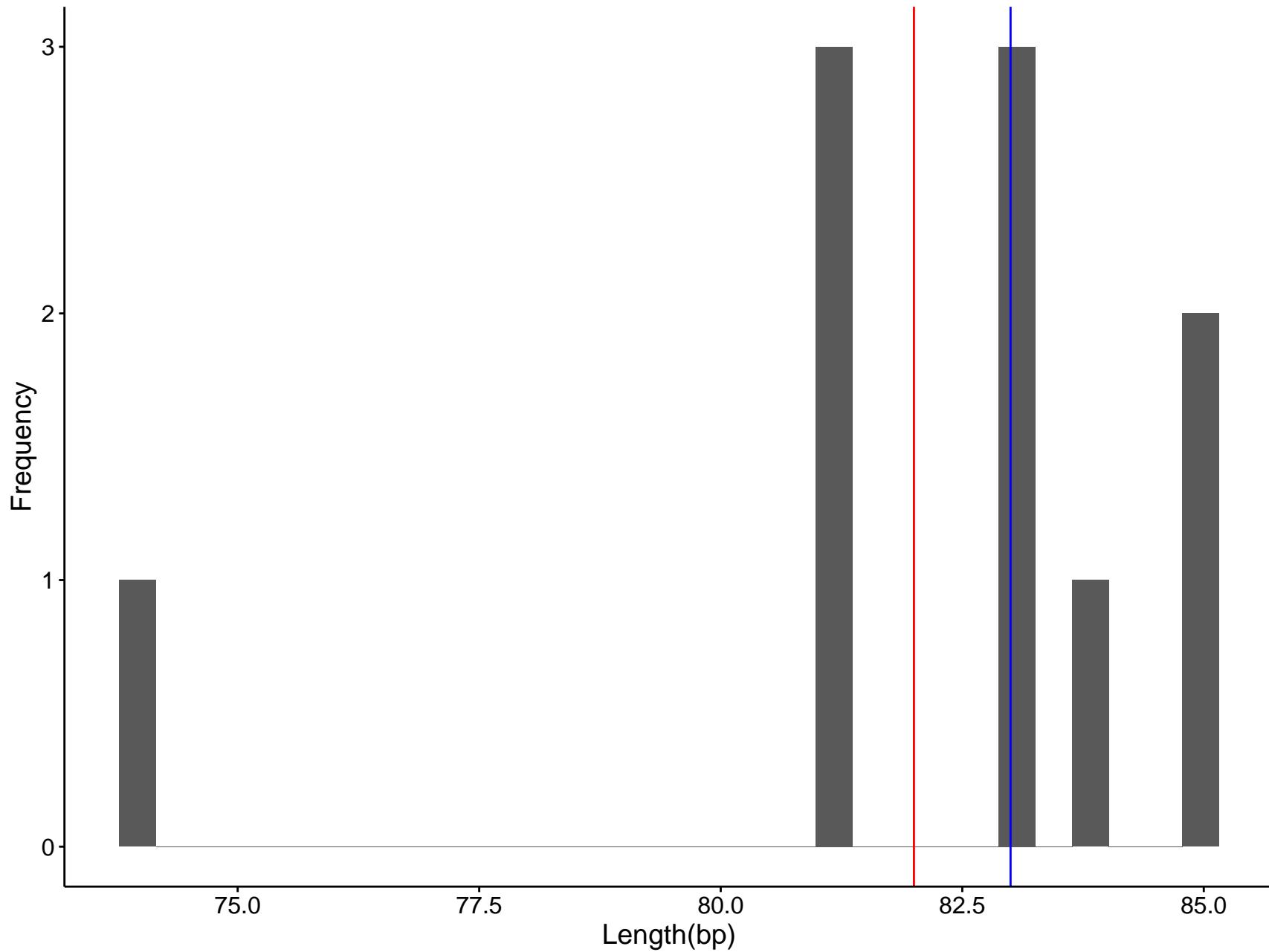
Cluster2795



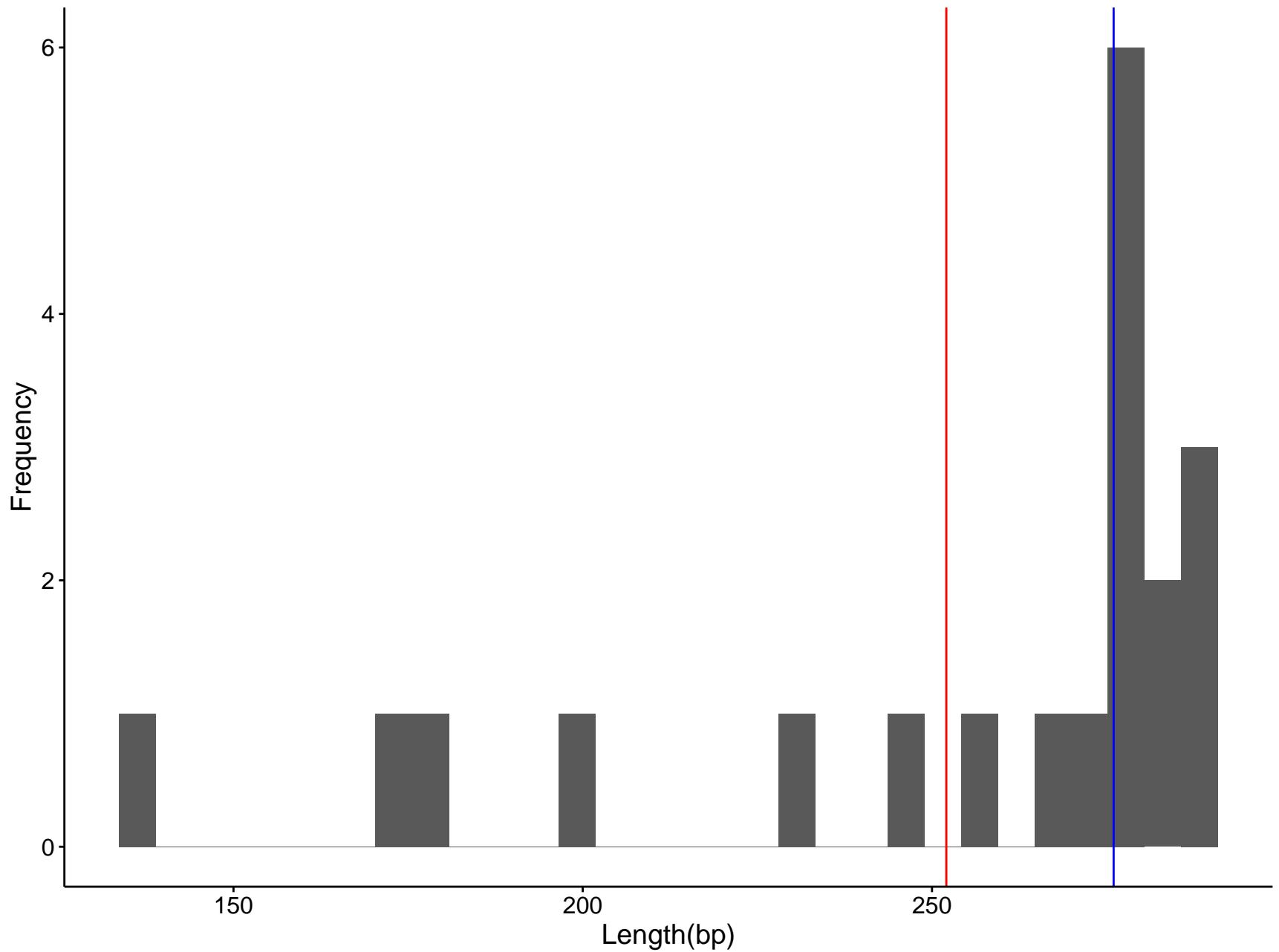
Cluster2796



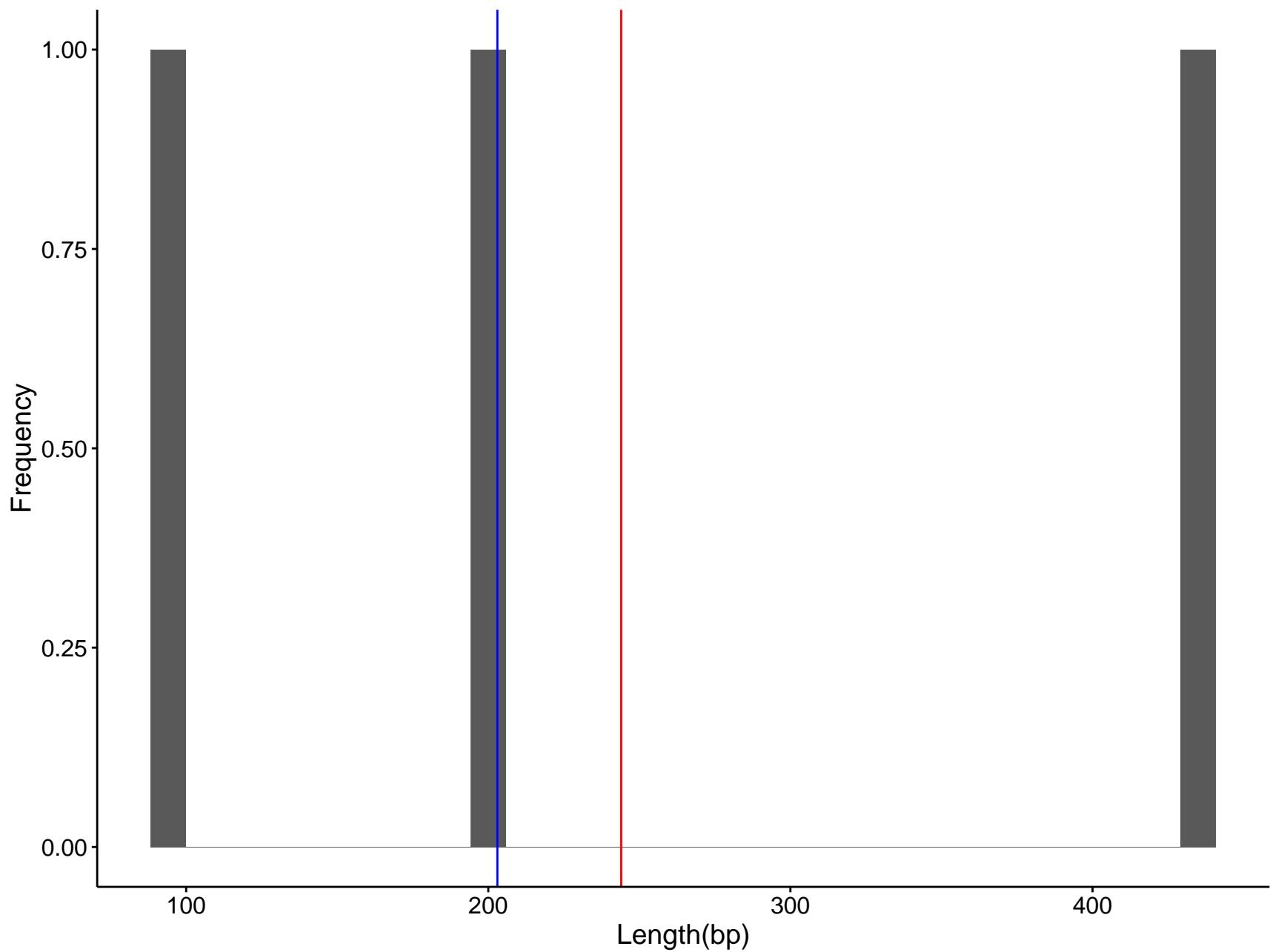
Cluster2798



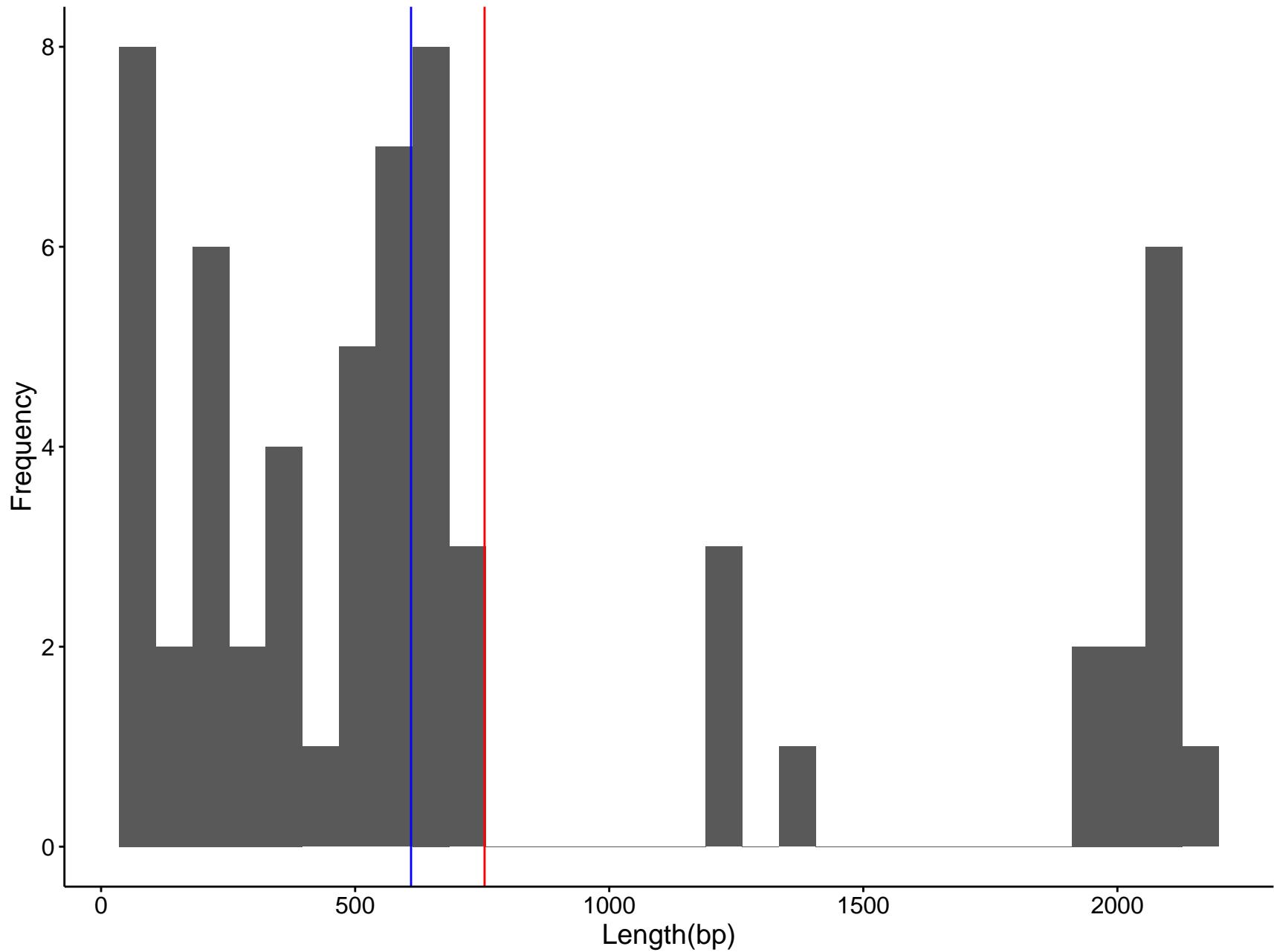
Cluster2799



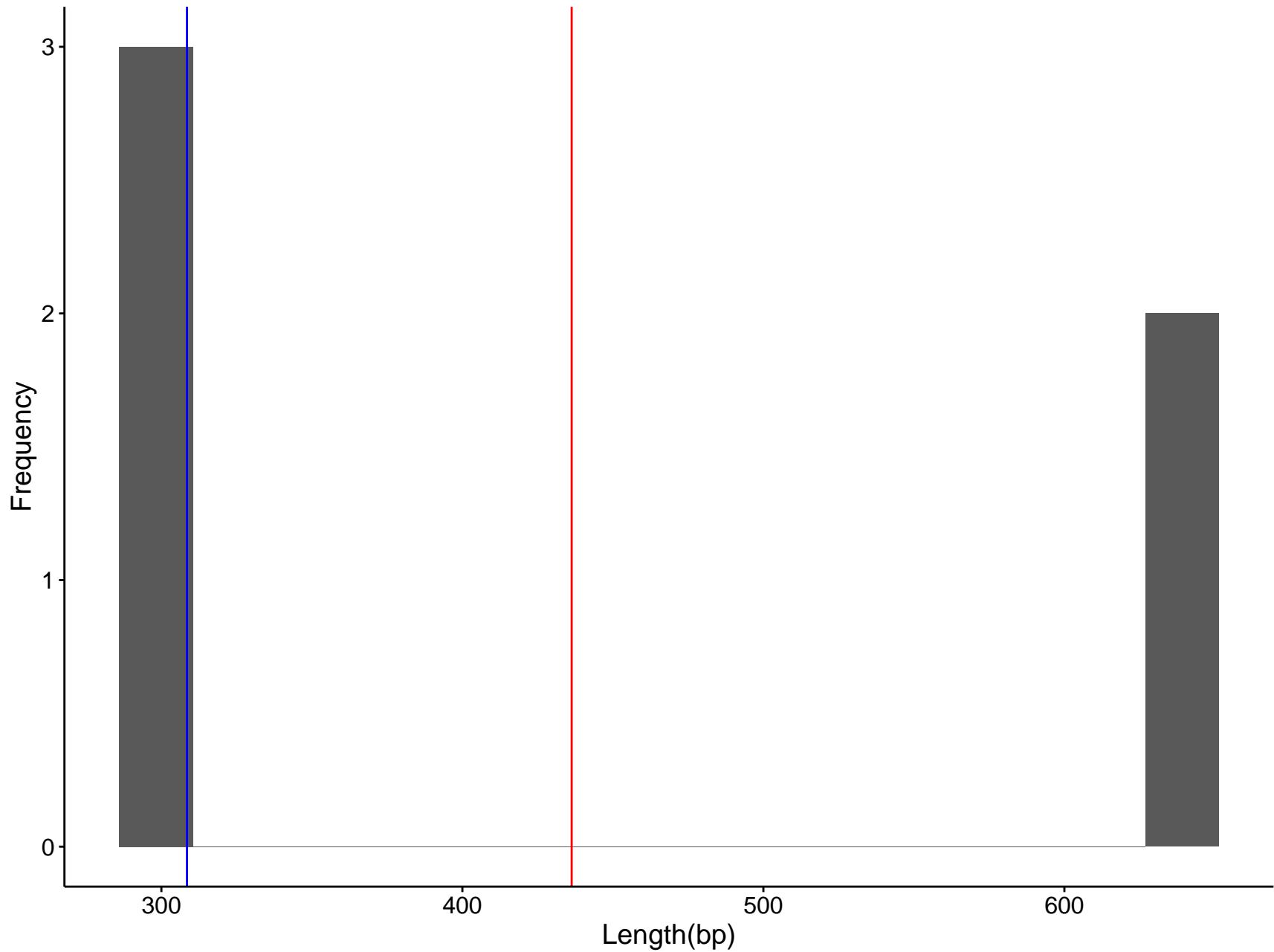
Cluster279



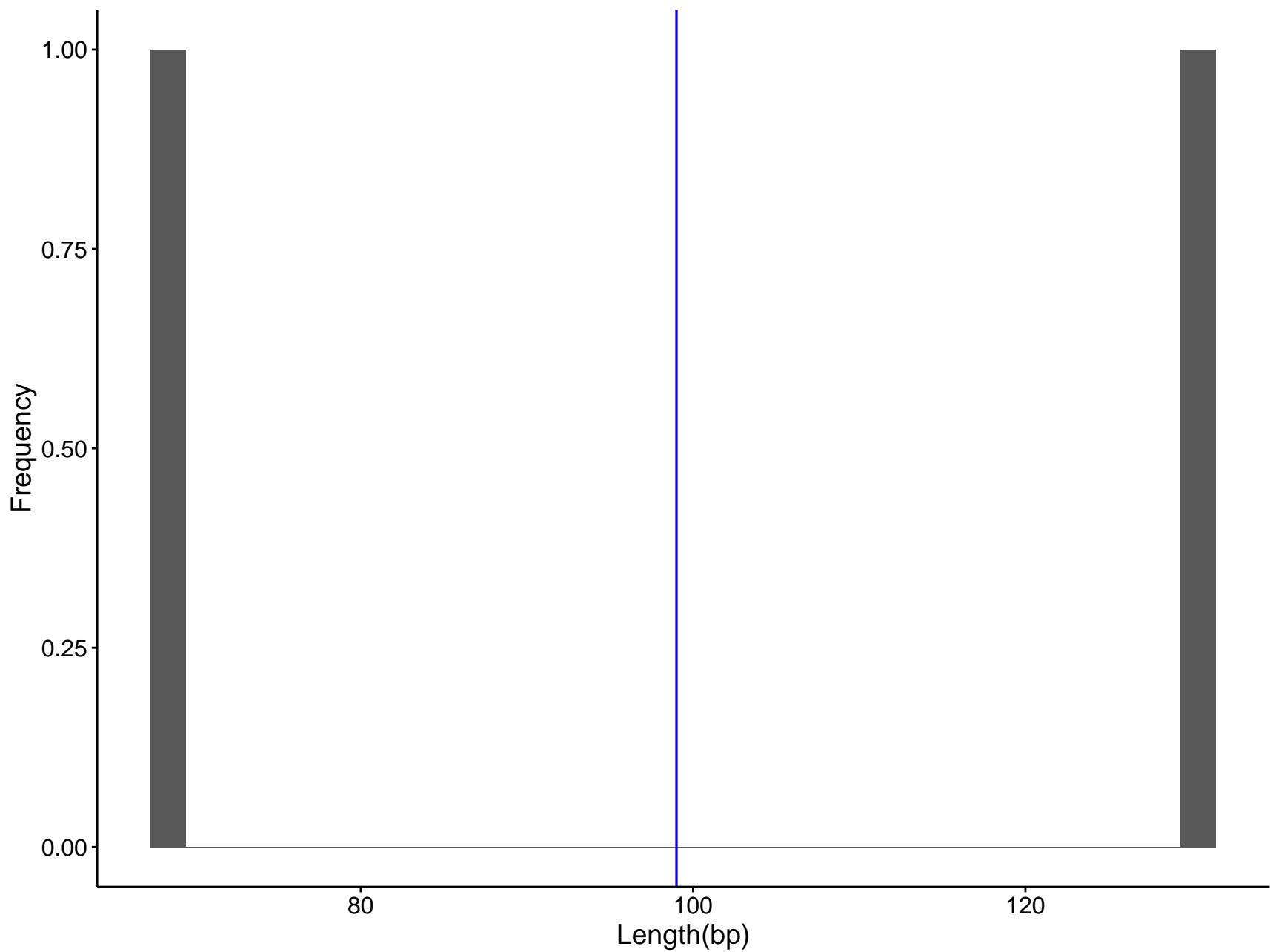
Cluster2800



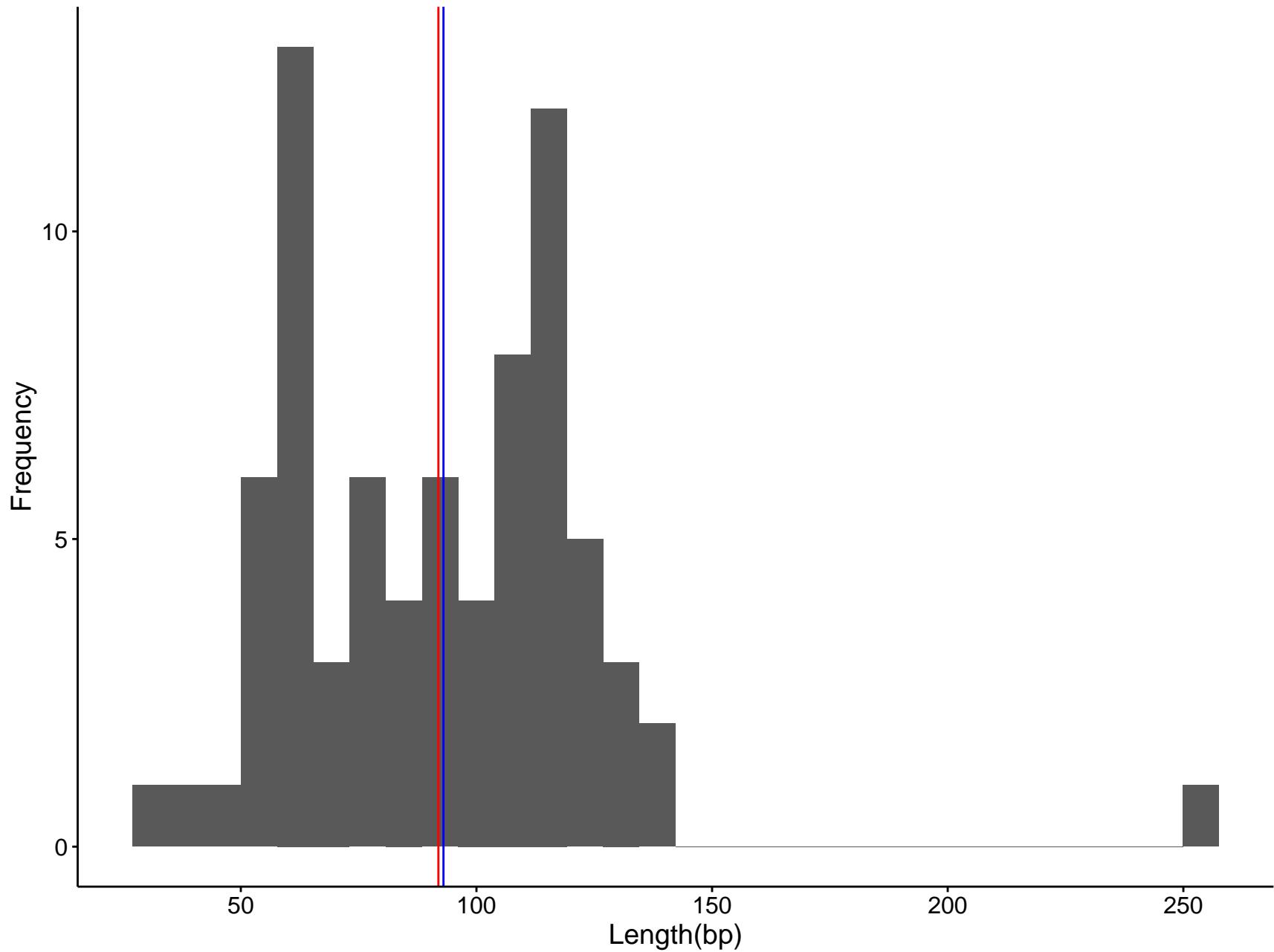
Cluster2802



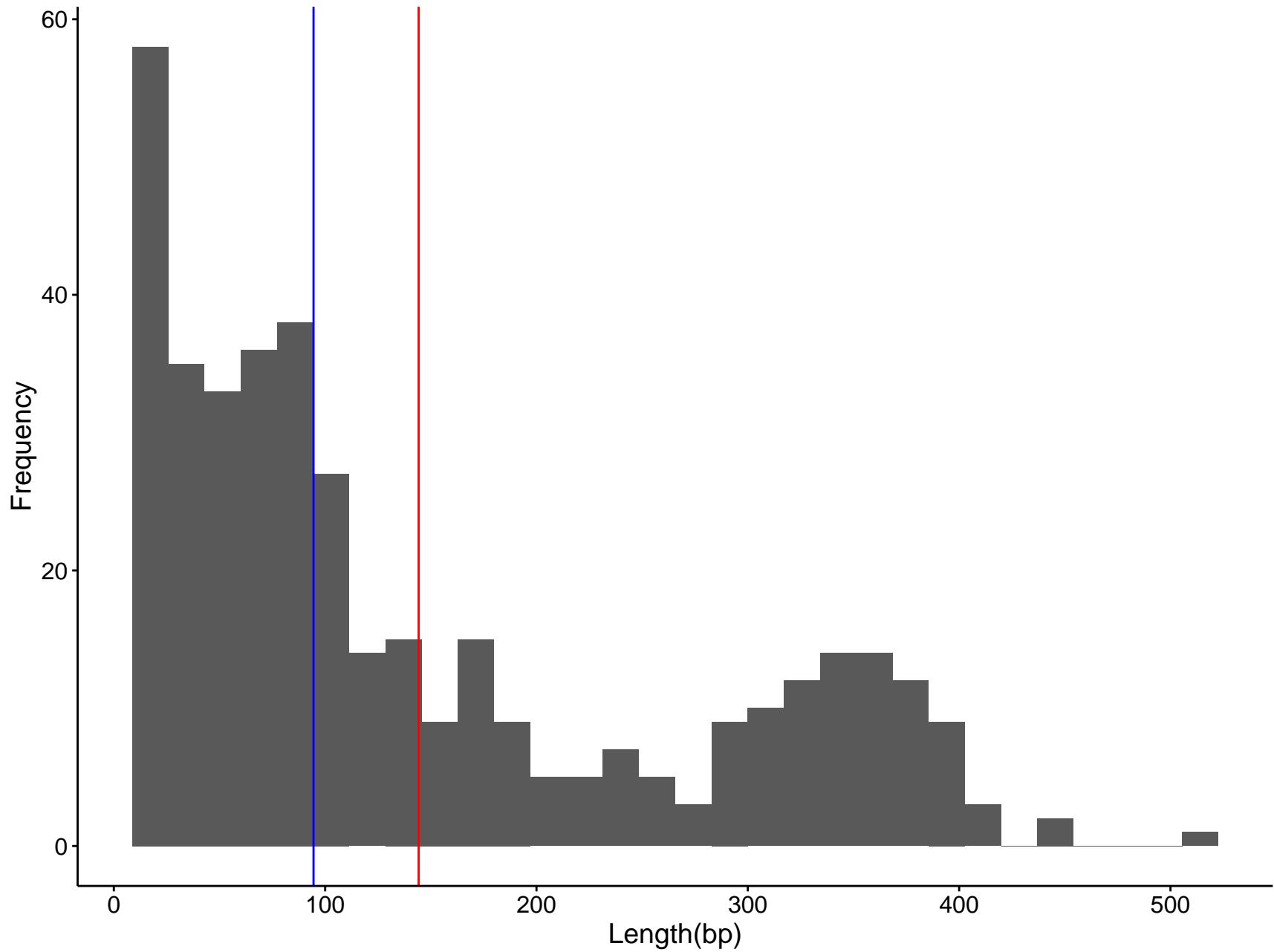
Cluster2806



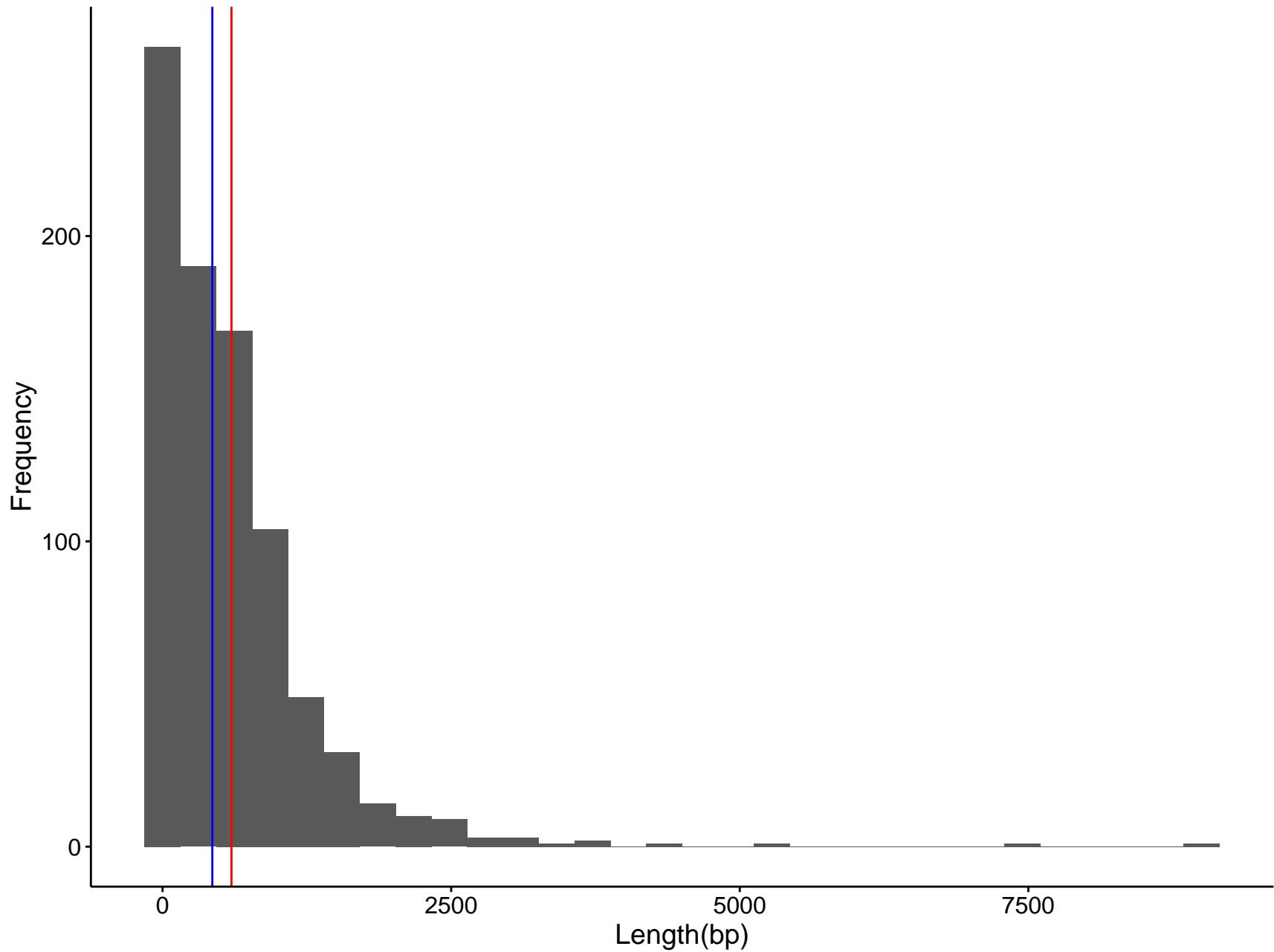
Cluster2807



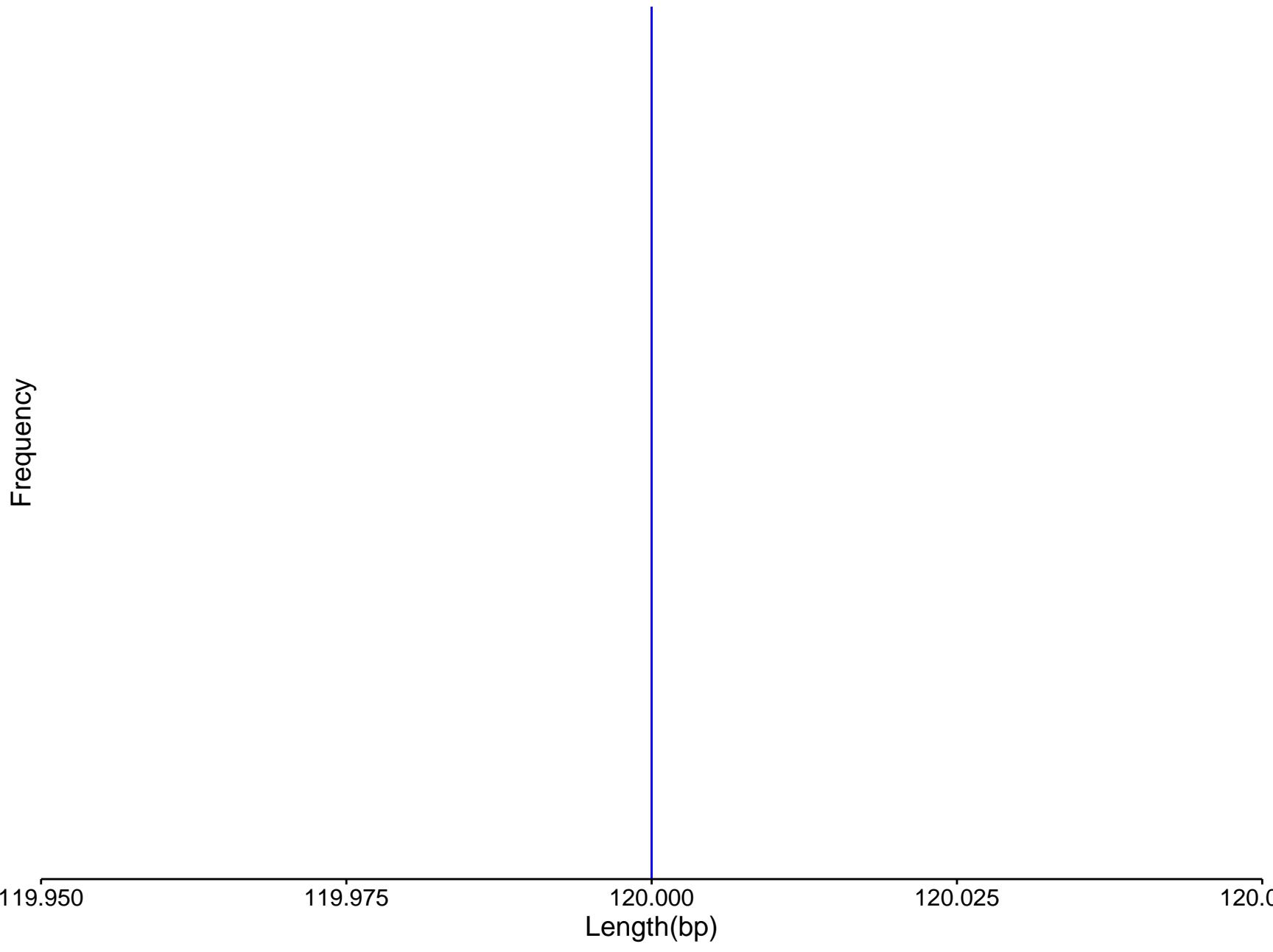
Cluster2808



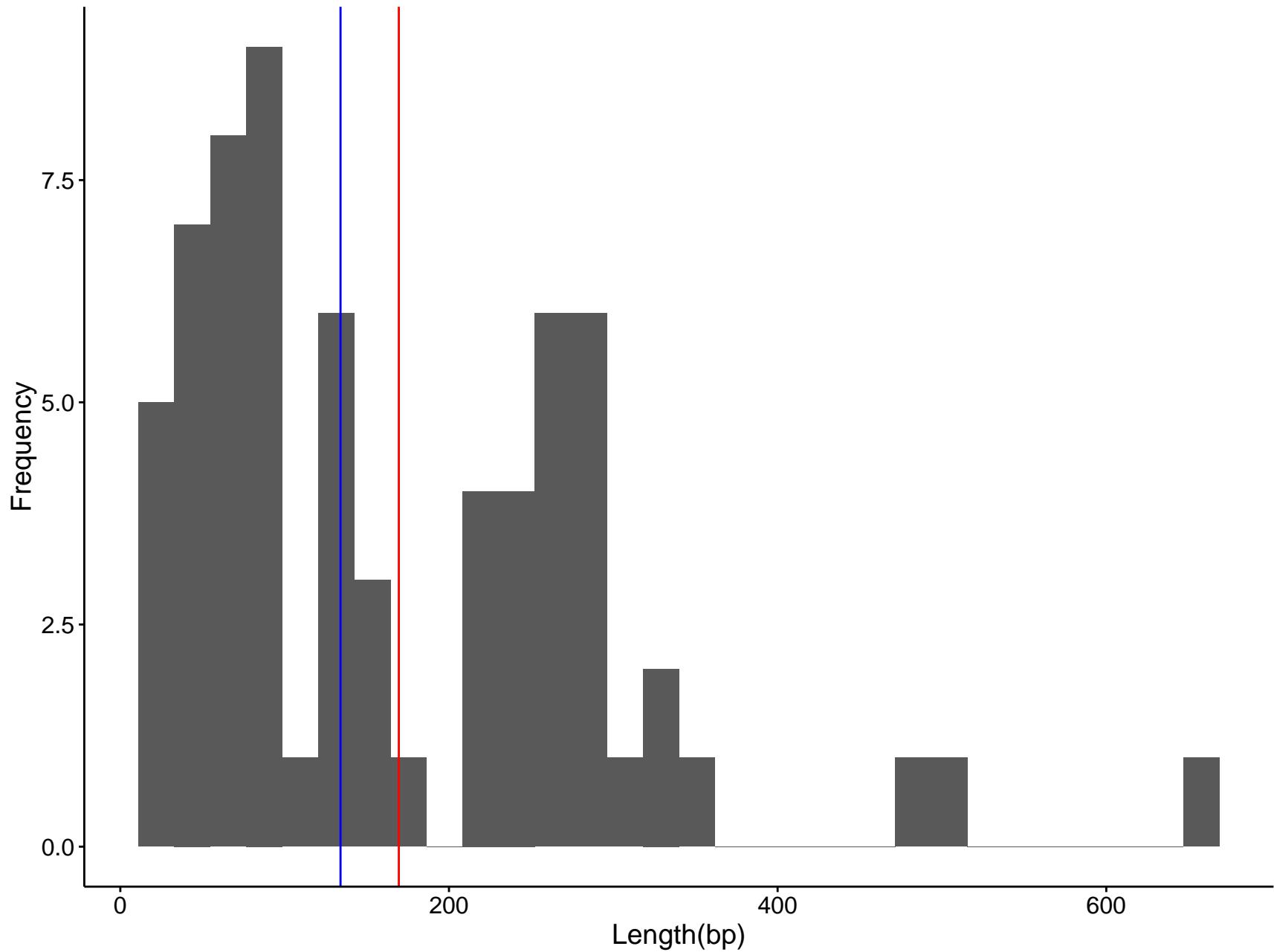
Cluster2809



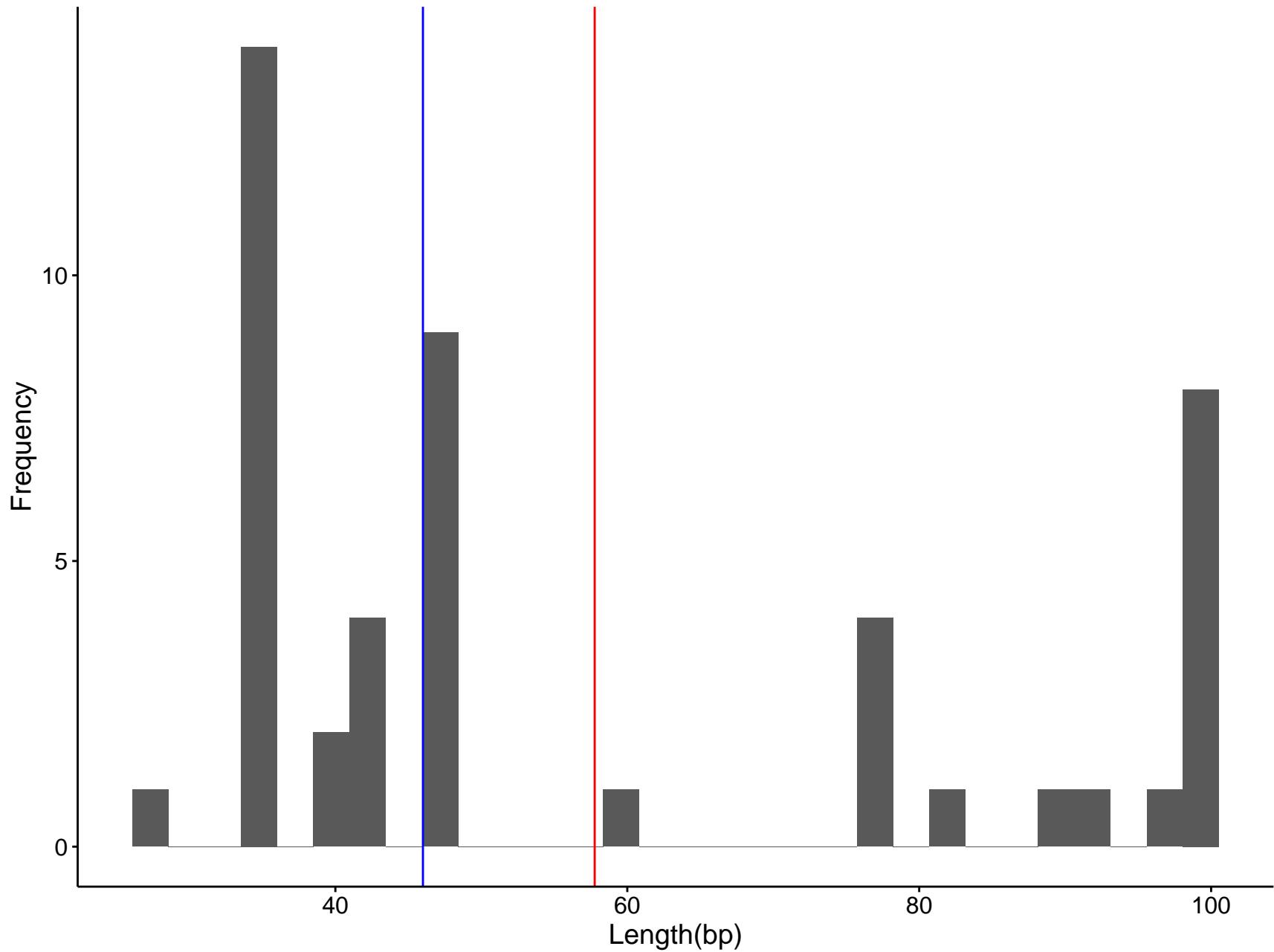
# Cluster280



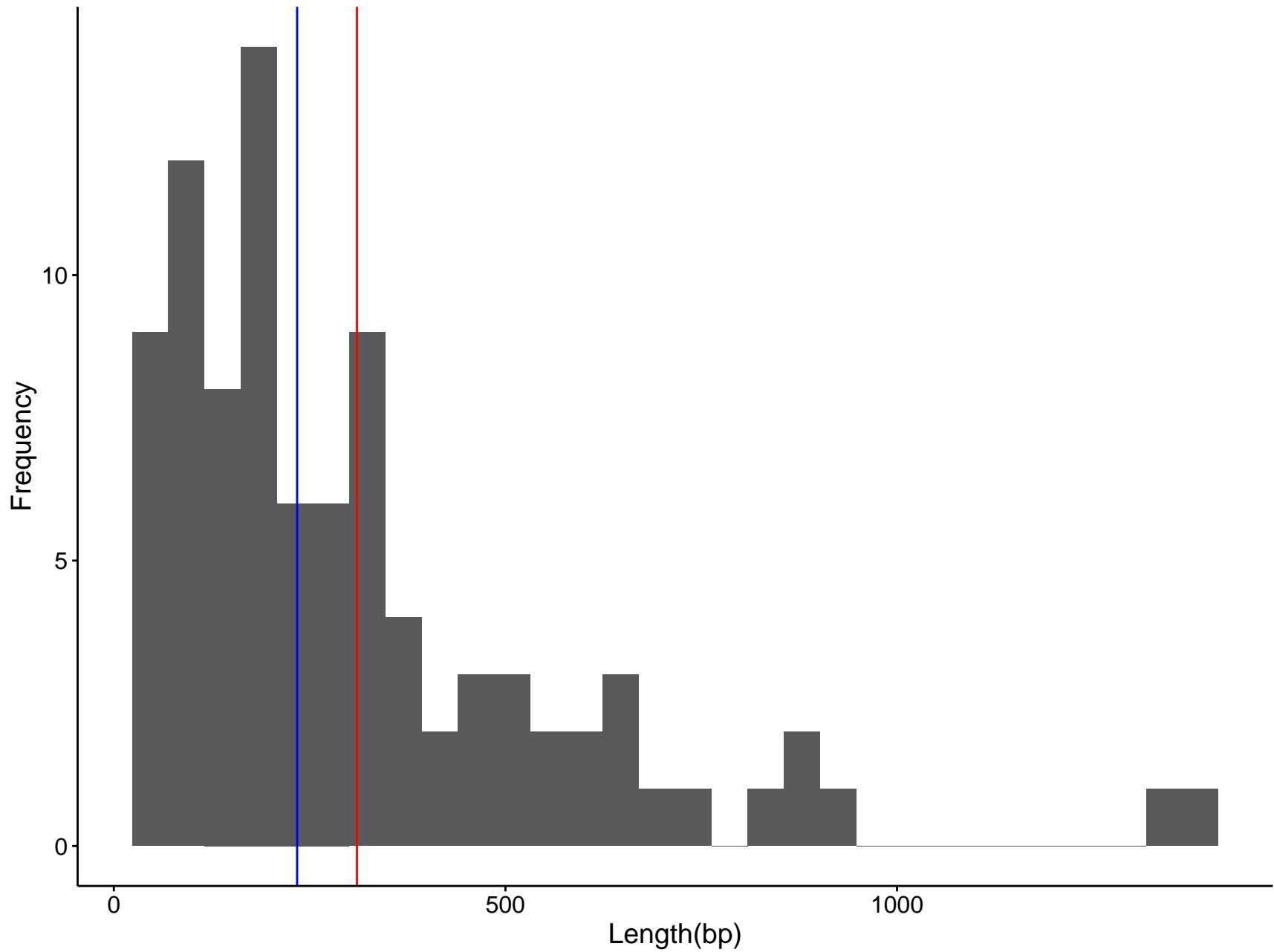
Cluster2810



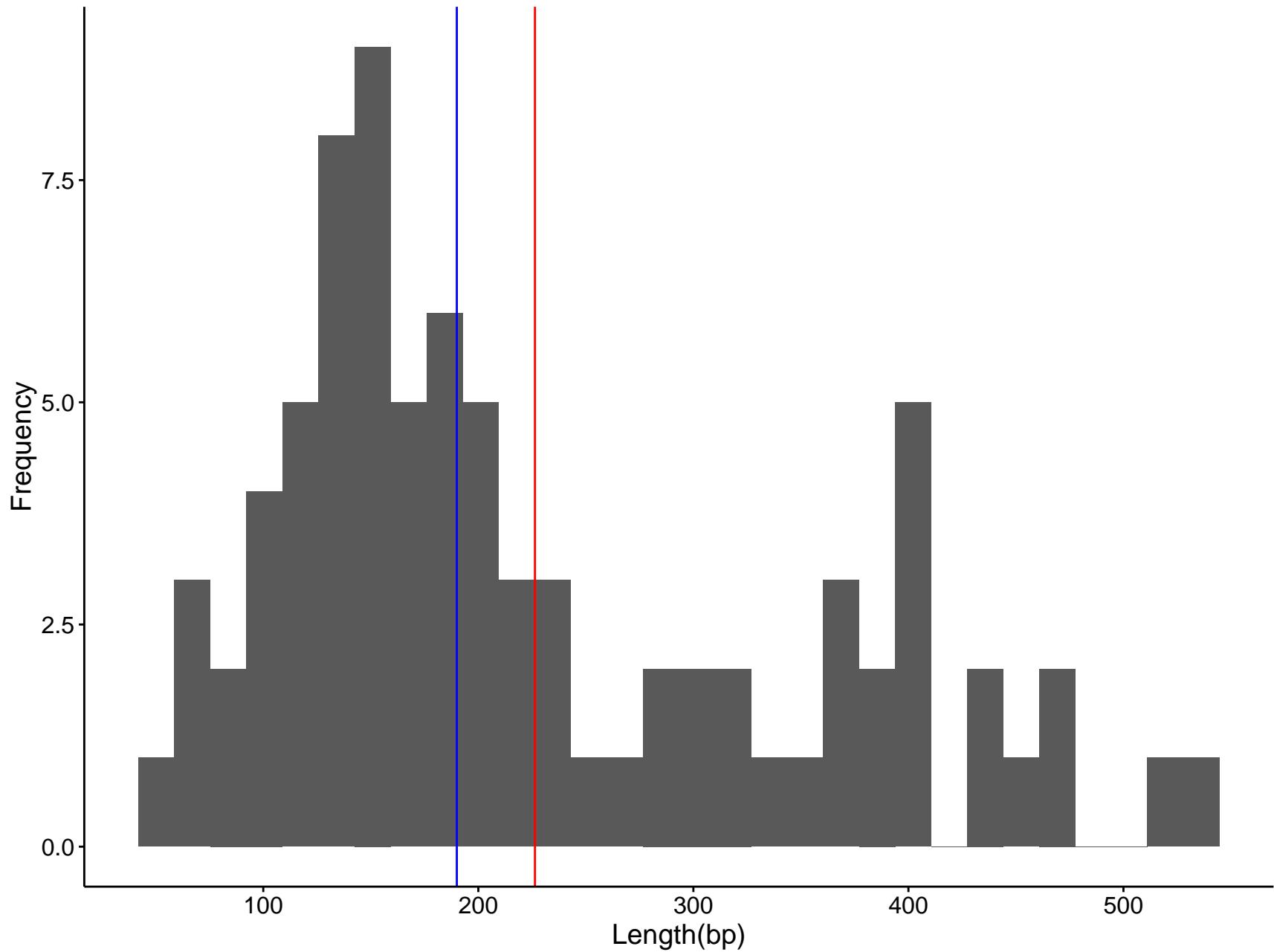
Cluster2811



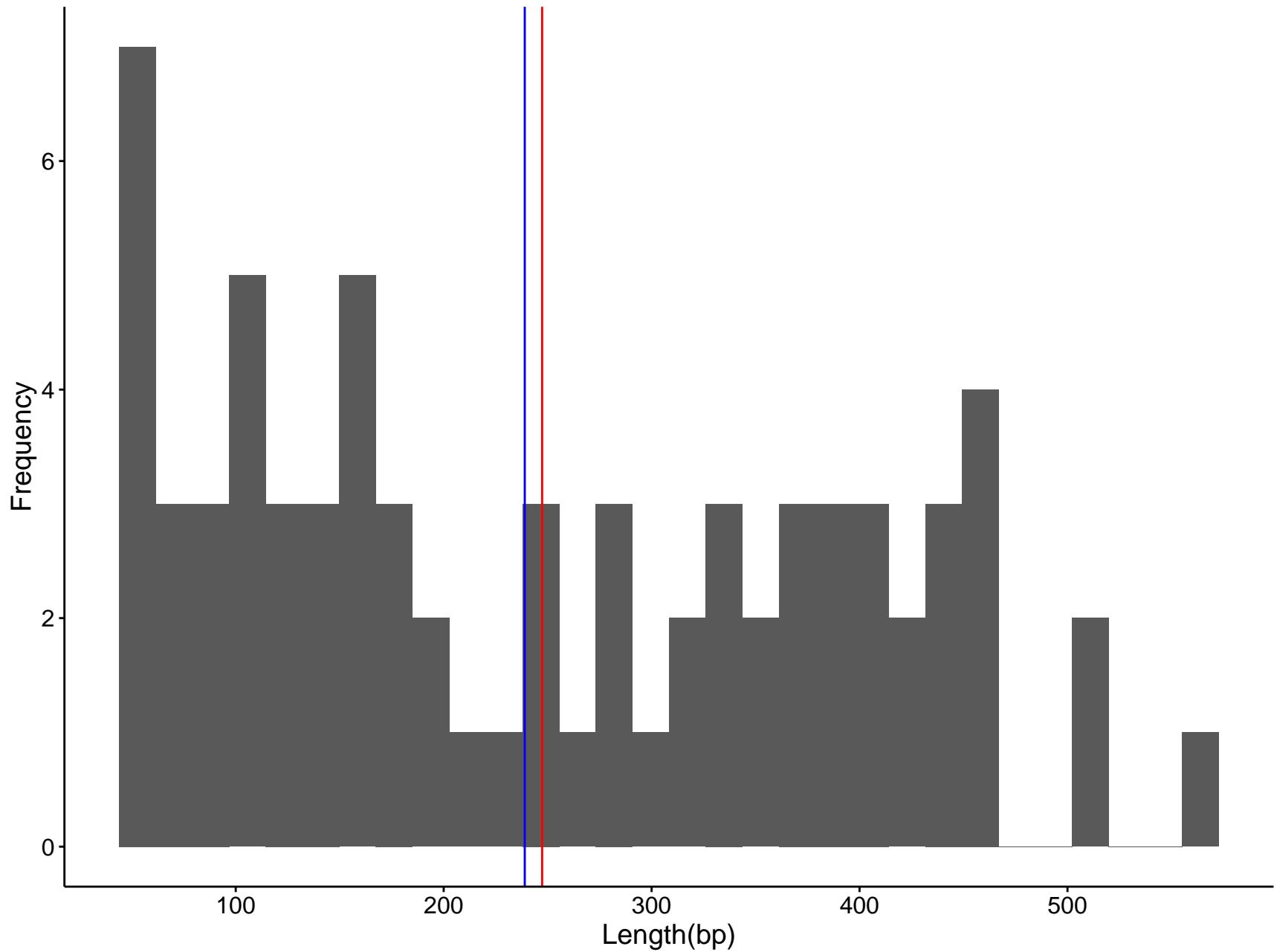
Cluster2812



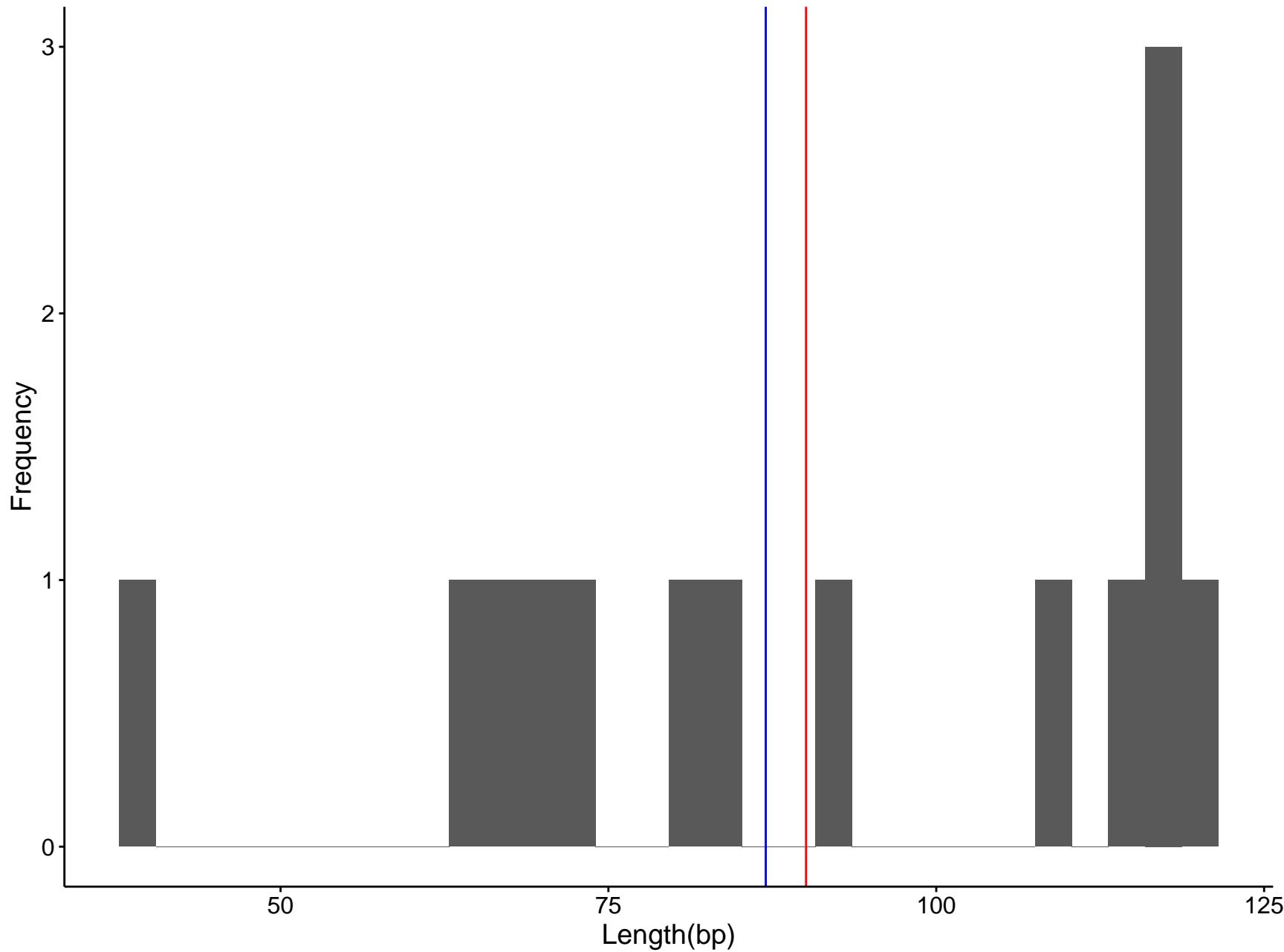
Cluster2814



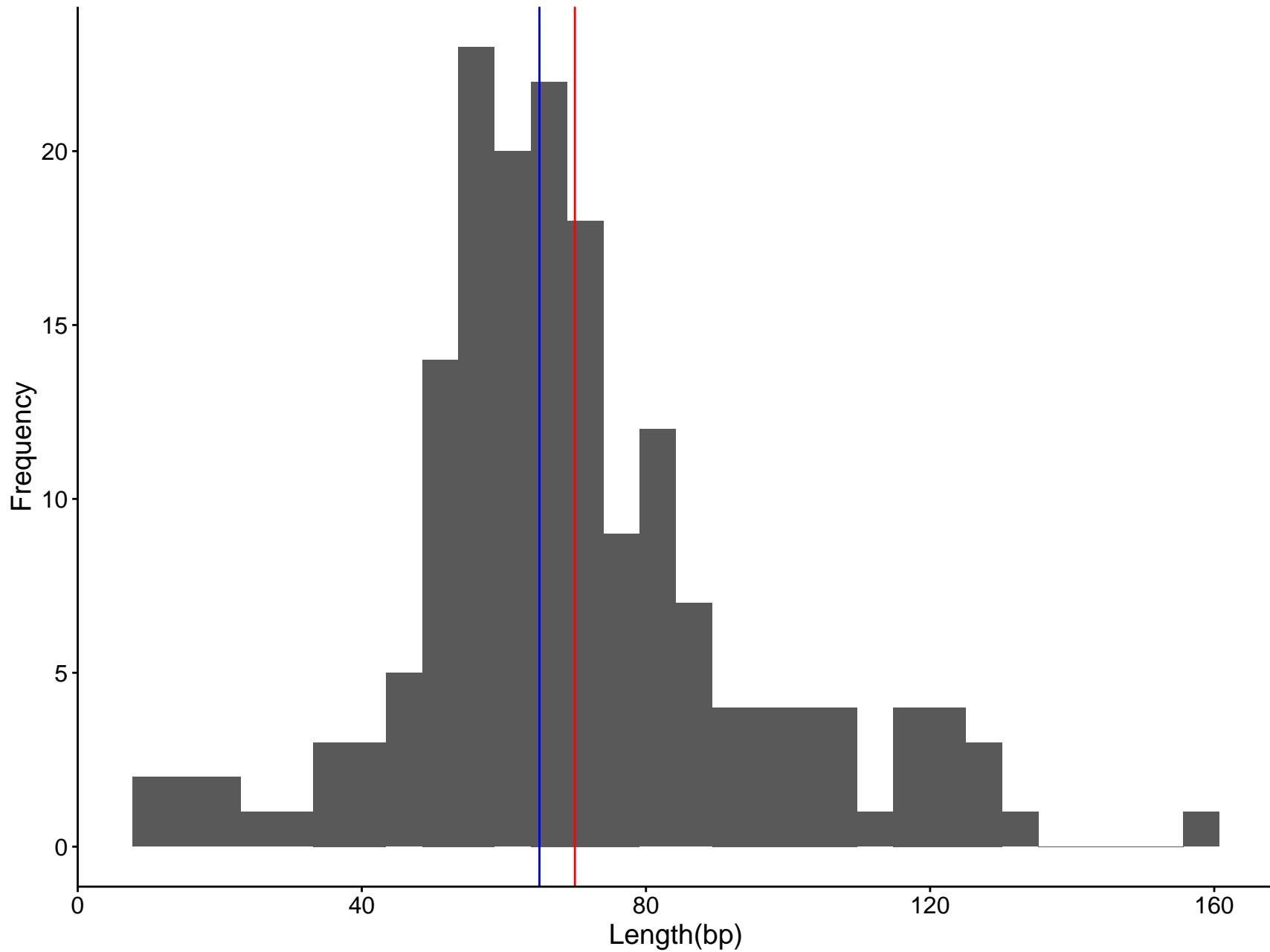
Cluster2816



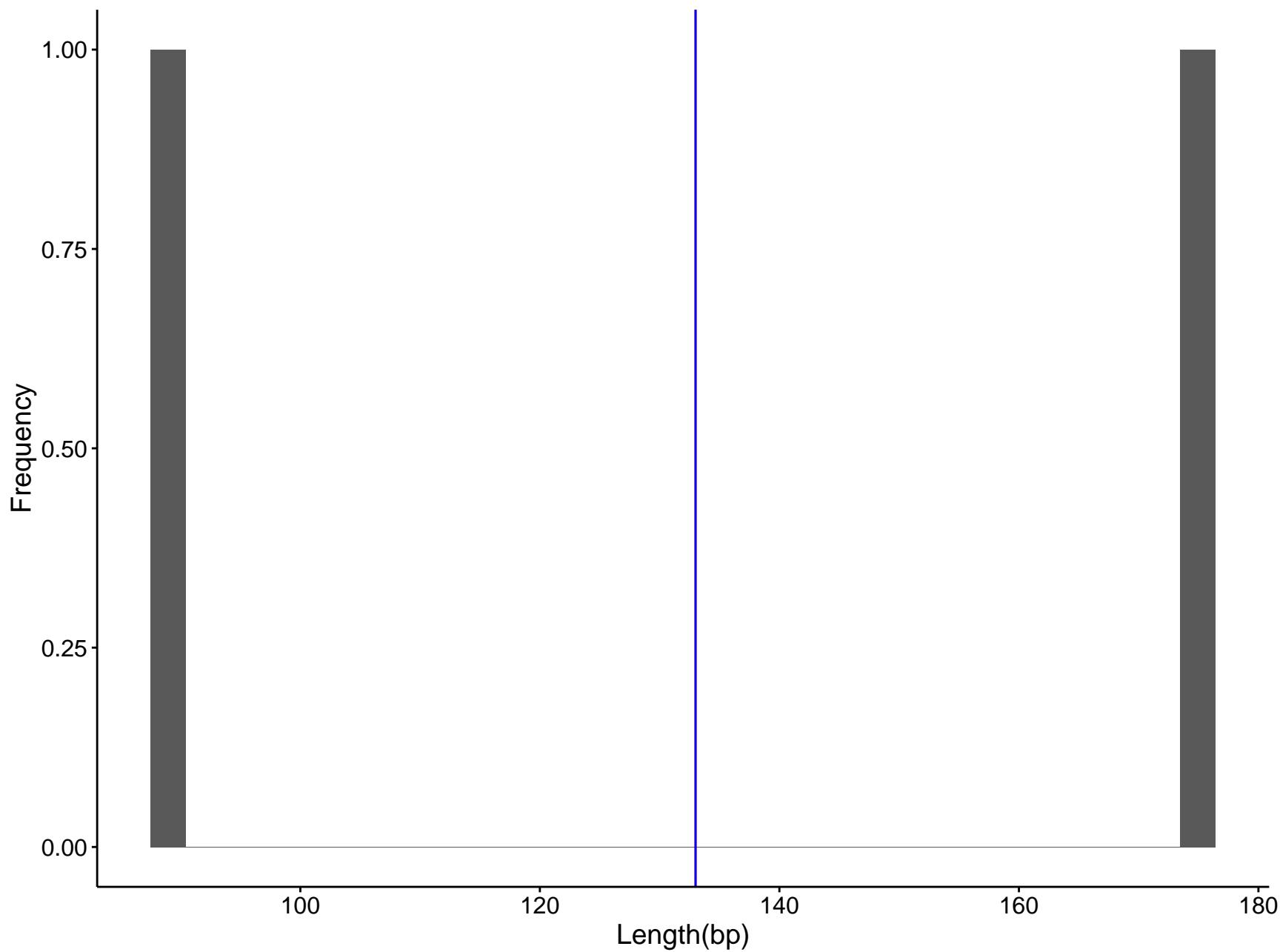
Cluster2817



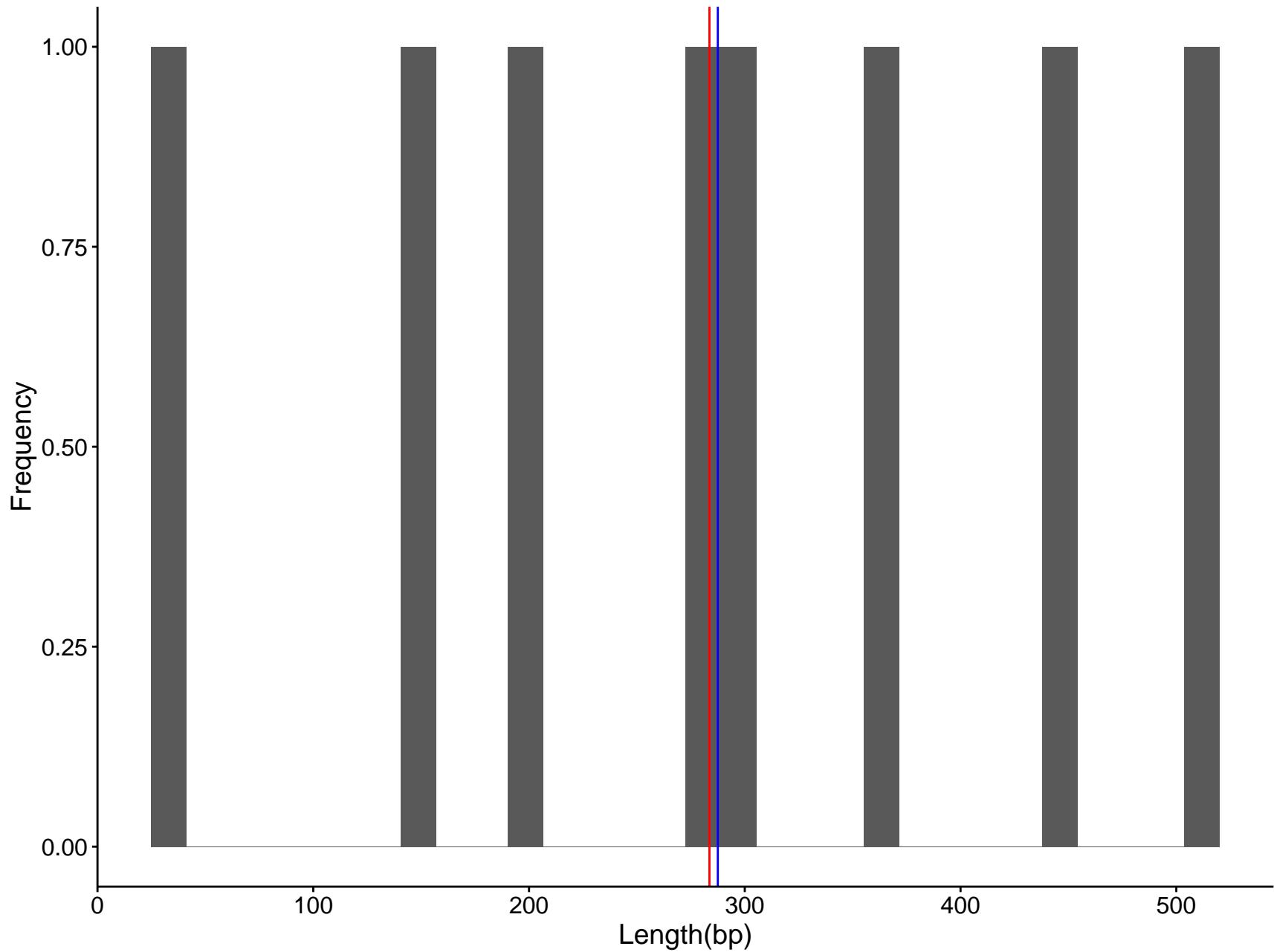
Cluster2818



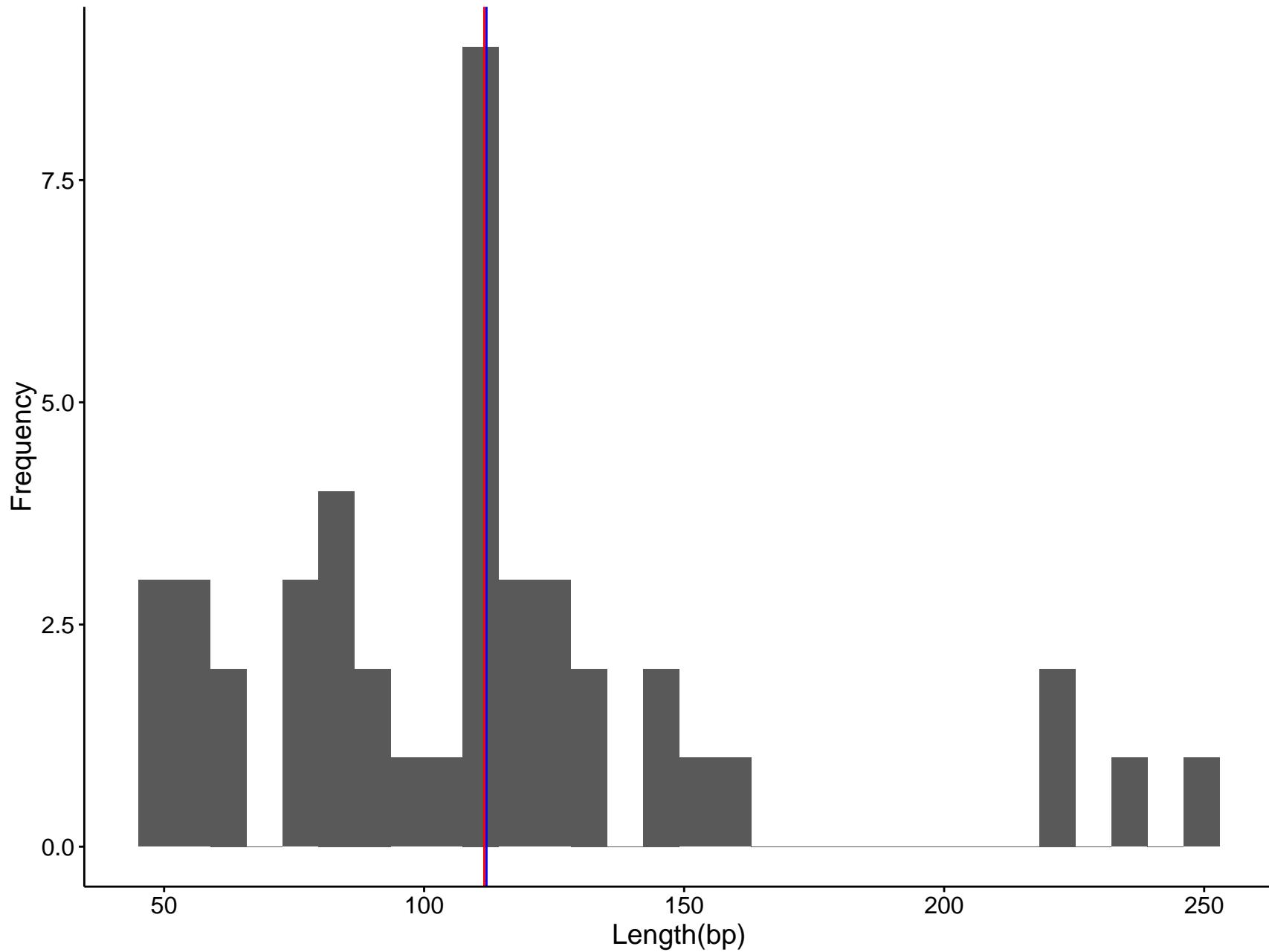
Cluster2819



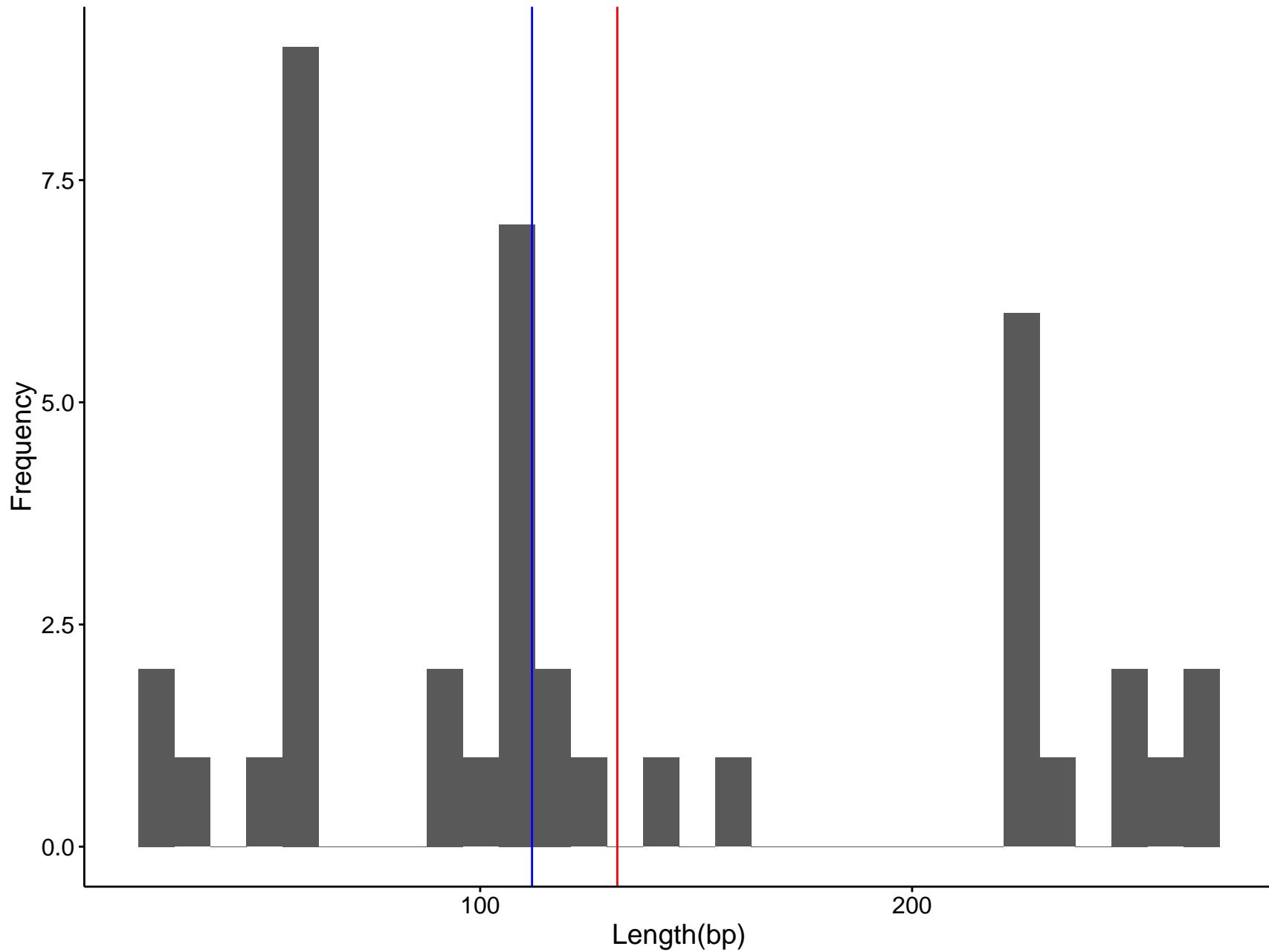
Cluster281



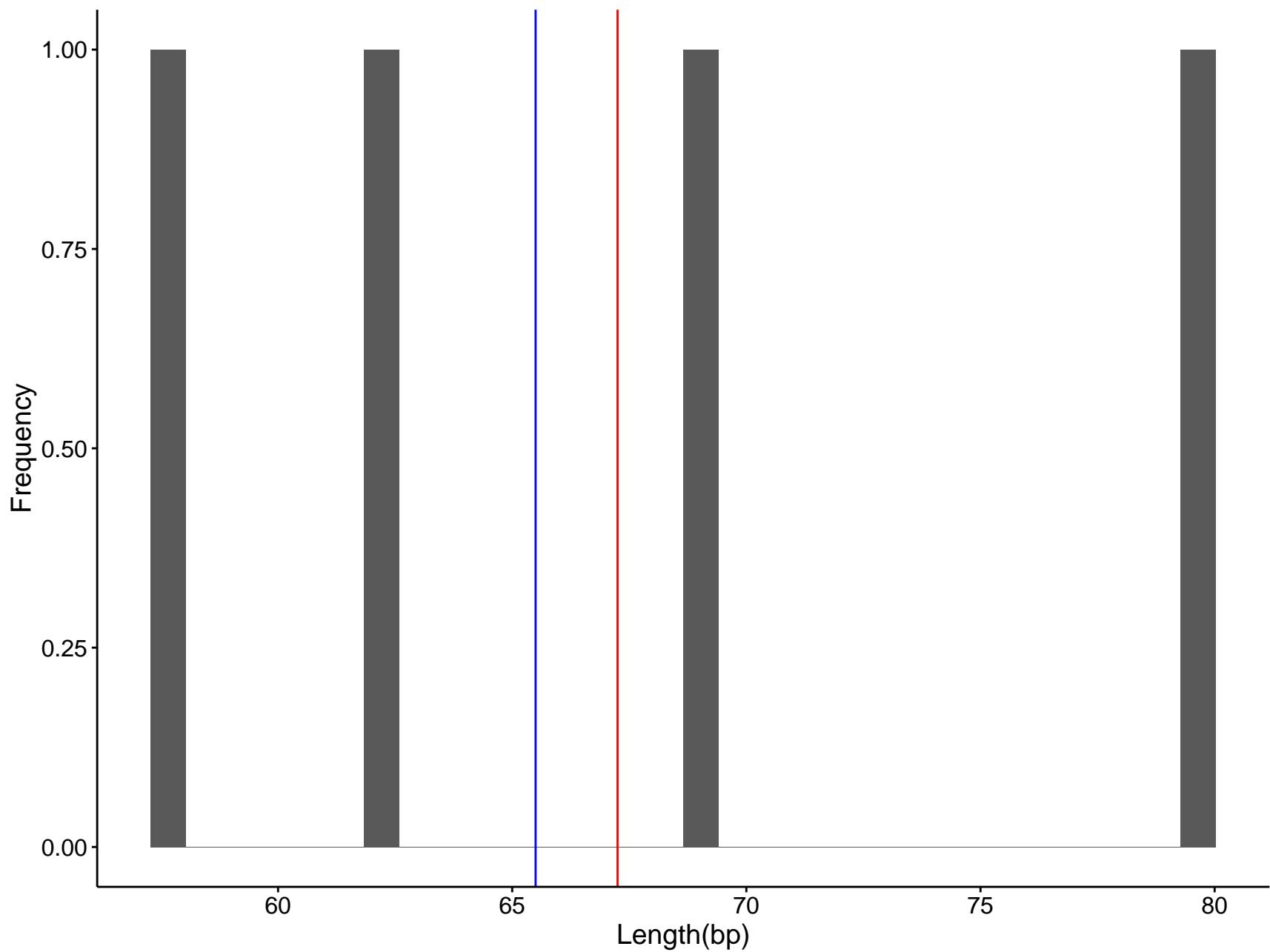
Cluster2820



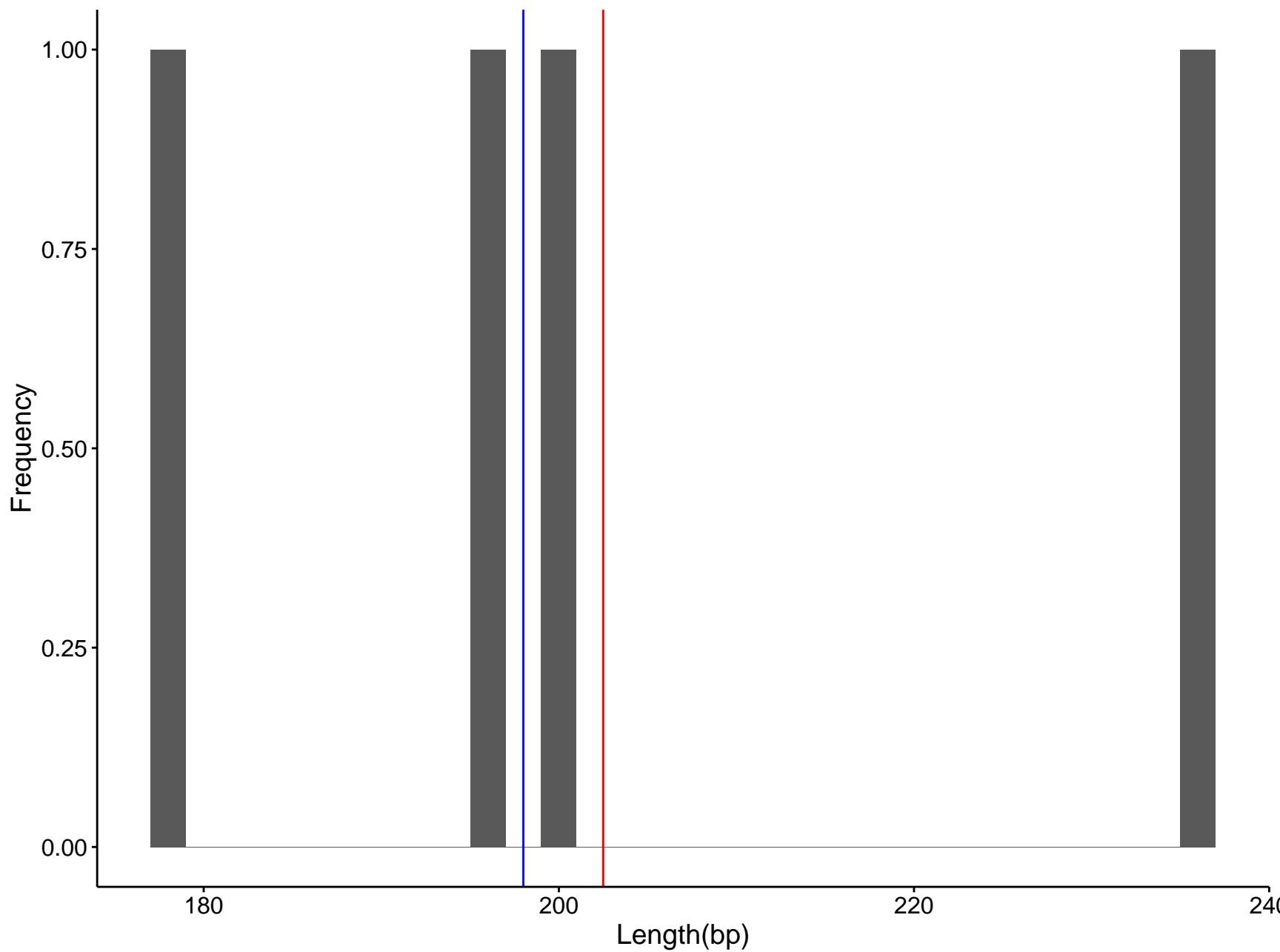
Cluster2821



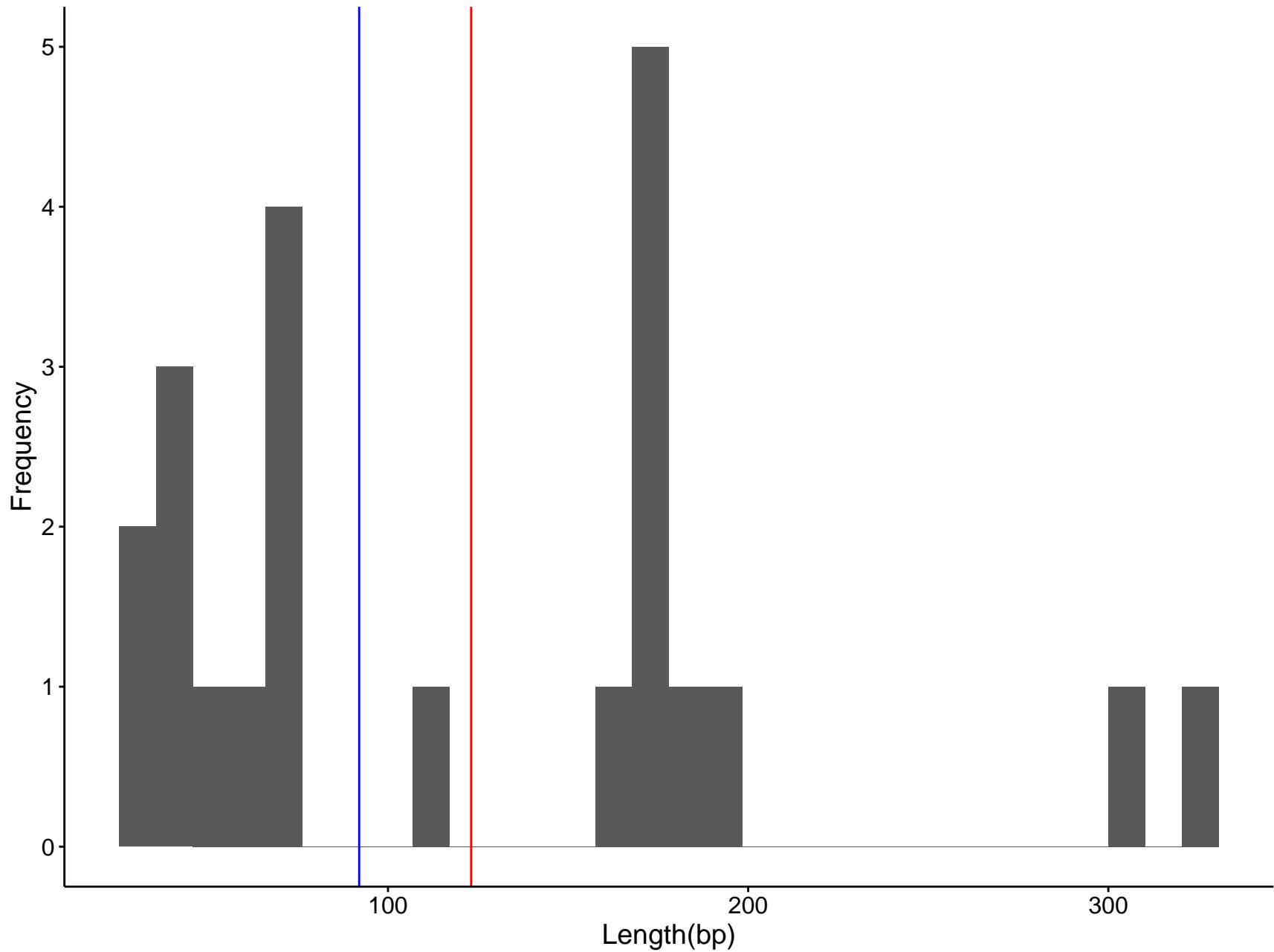
Cluster2822



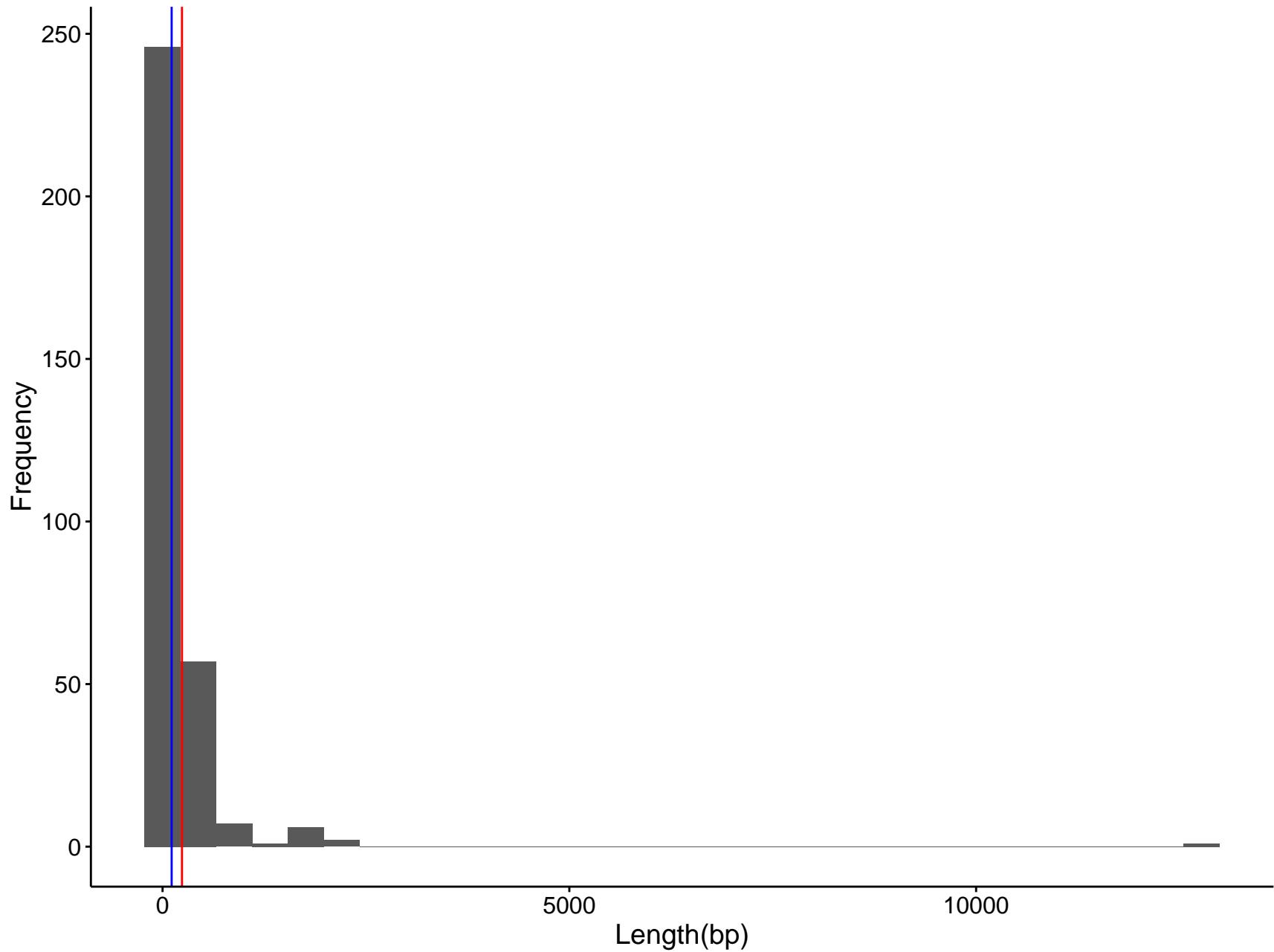
Cluster2827



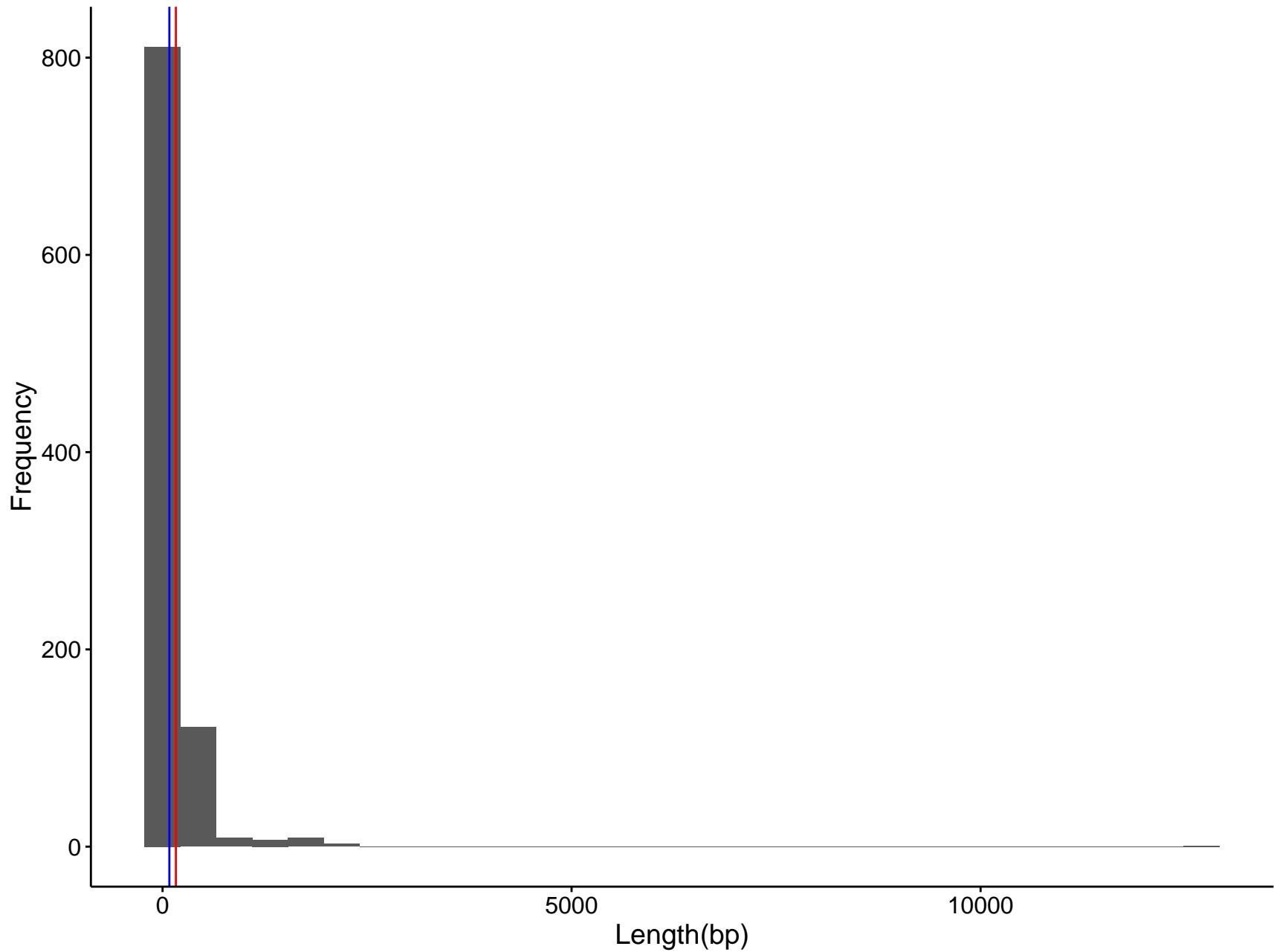
Cluster2828



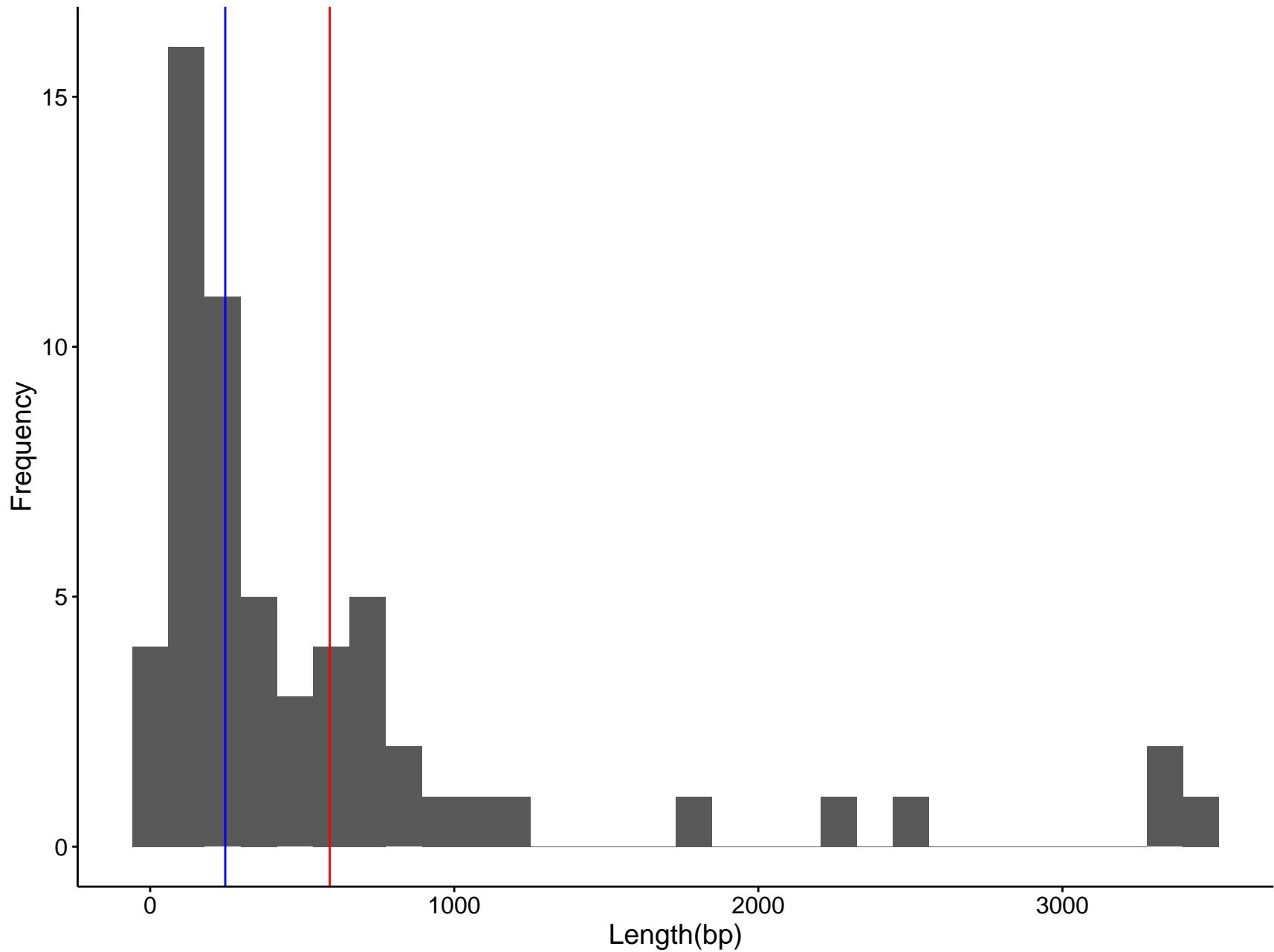
Cluster2829



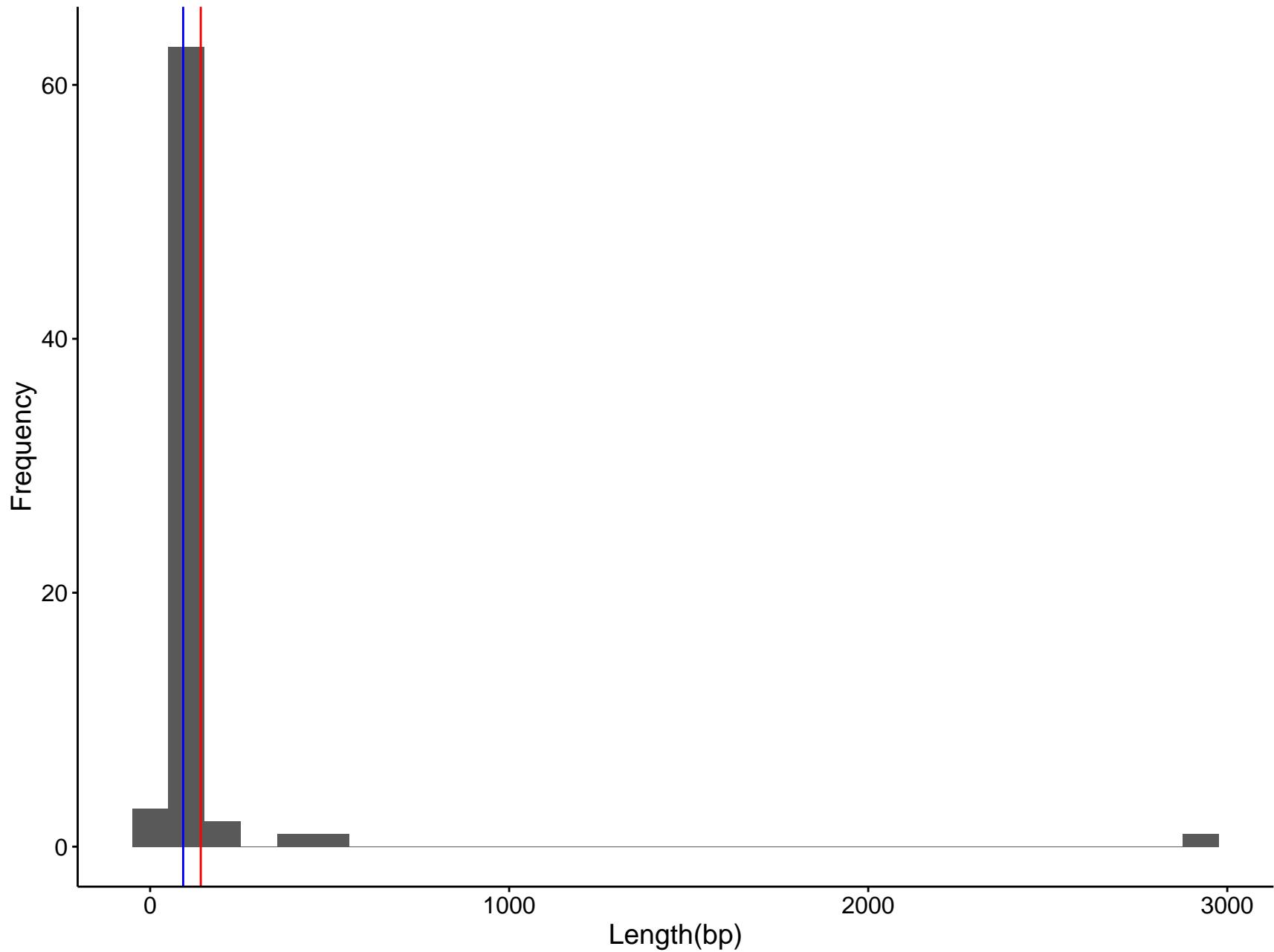
Cluster2830



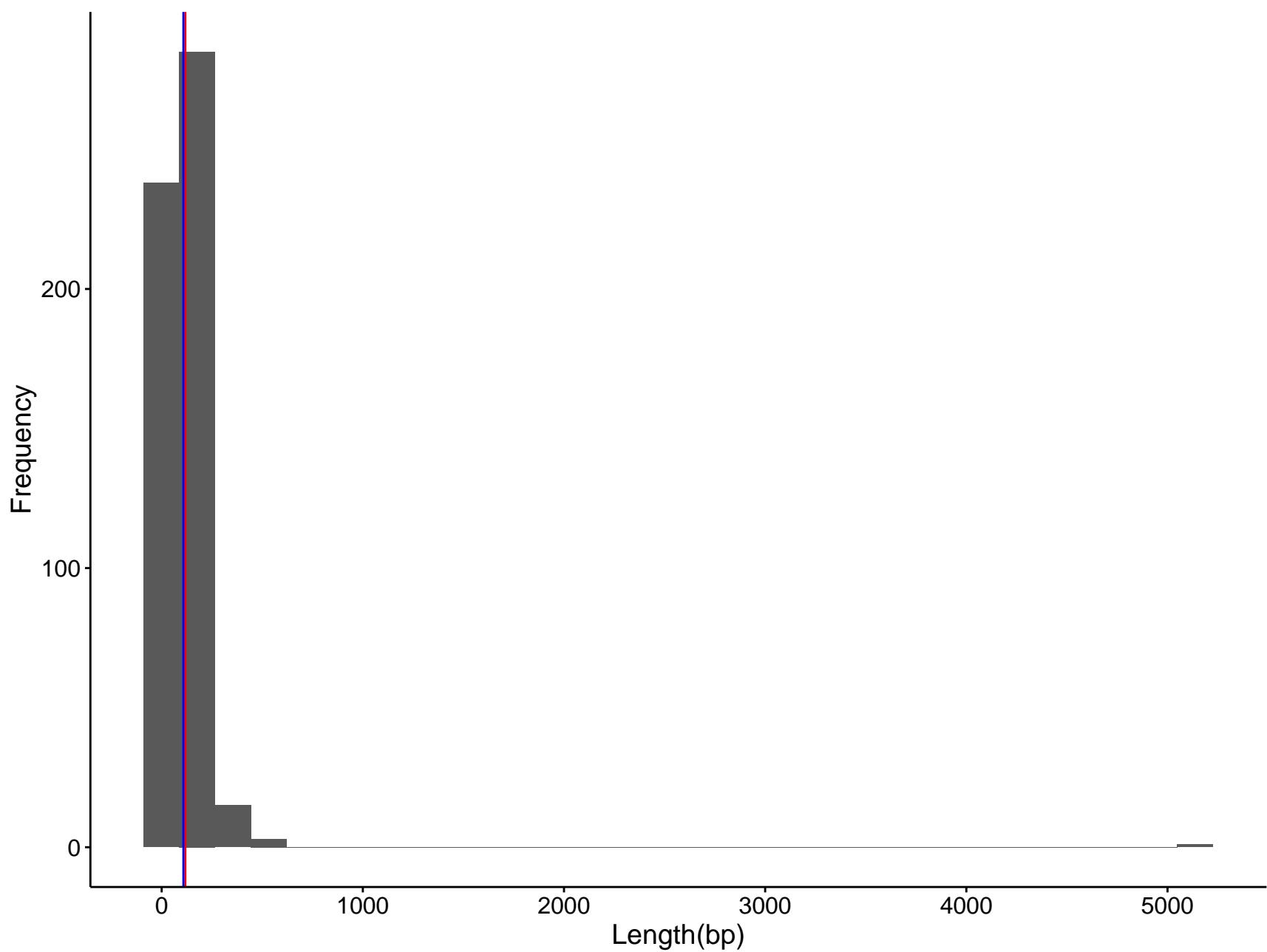
Cluster2831



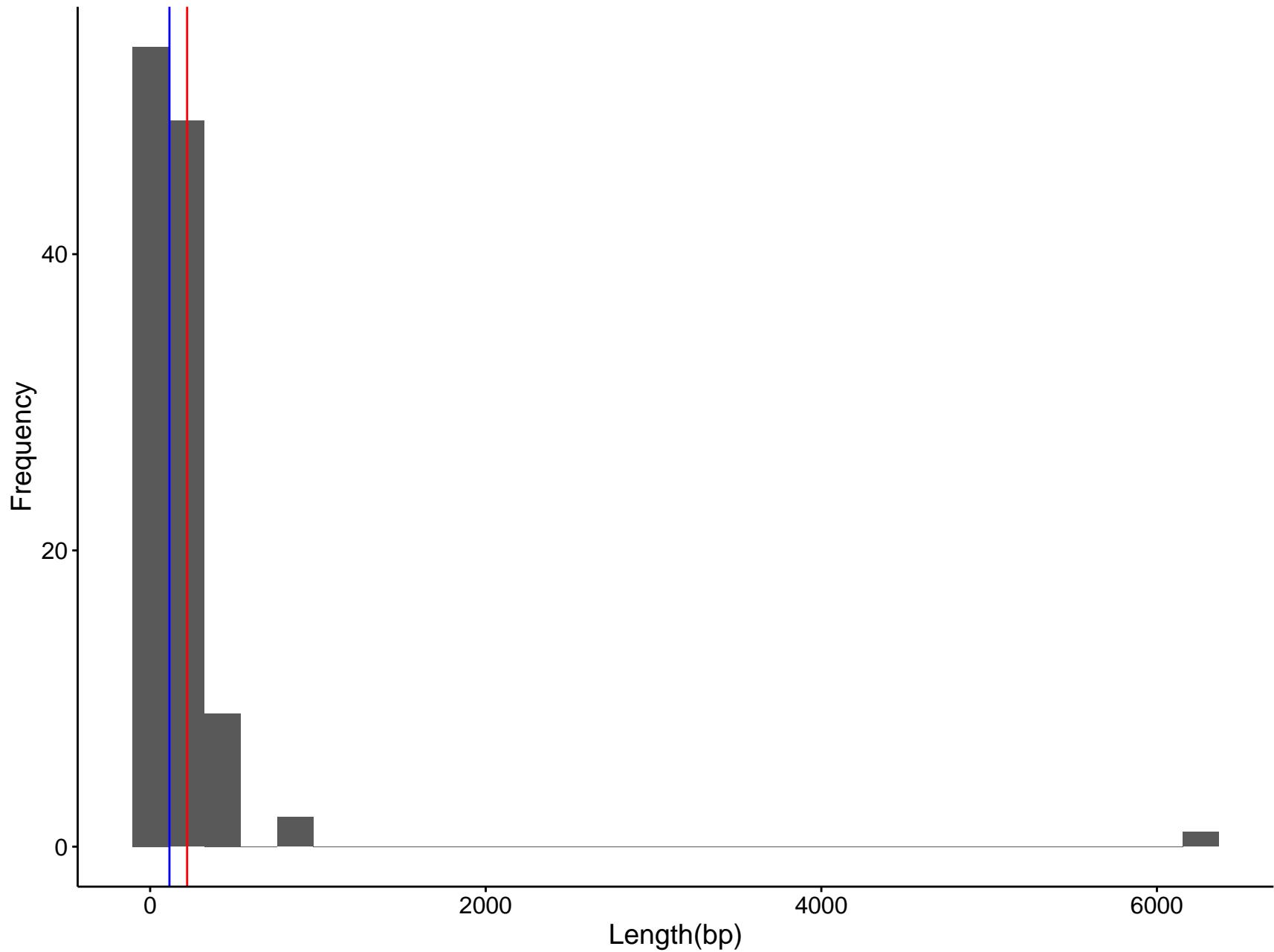
Cluster2833



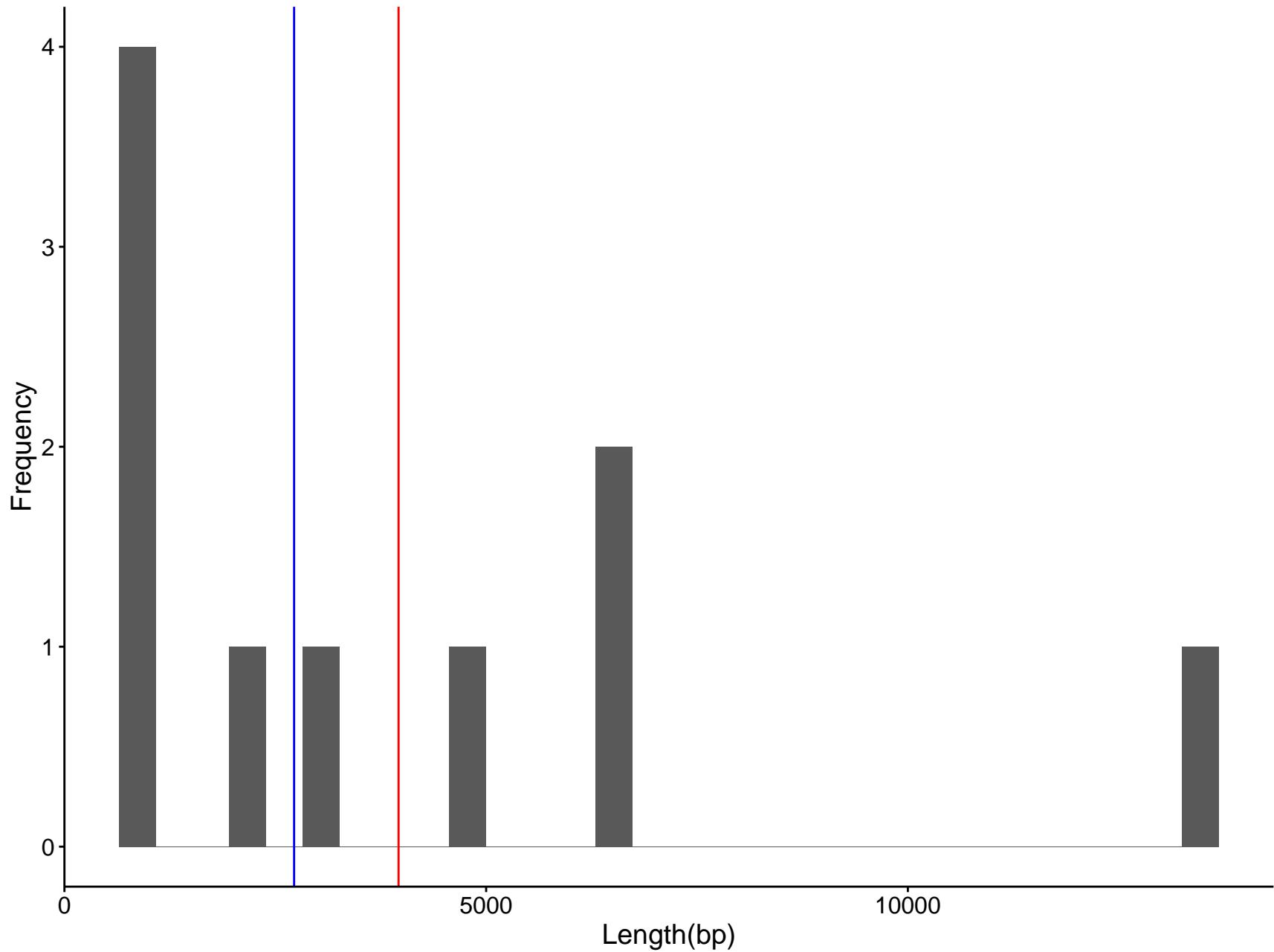
Cluster2834



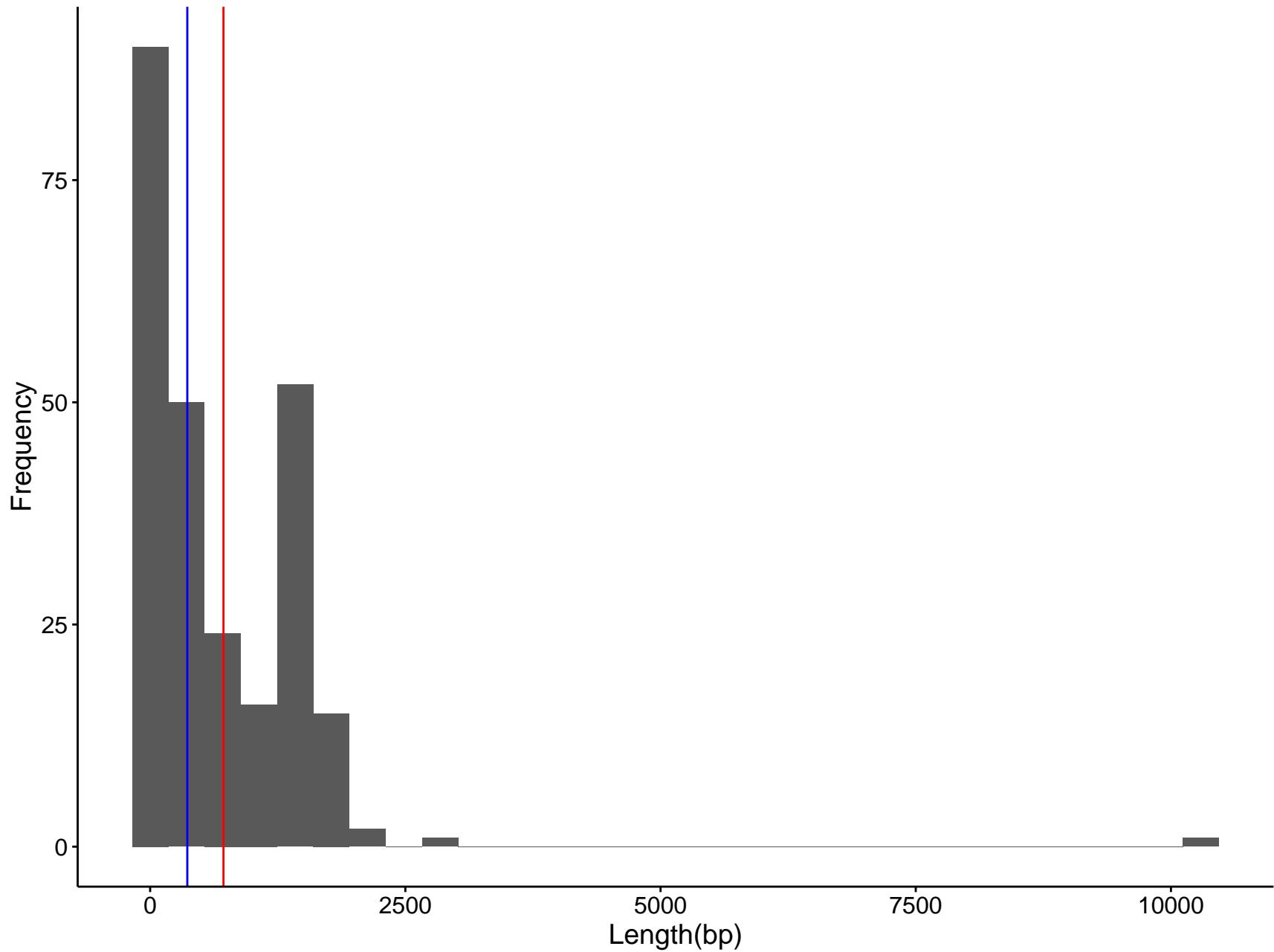
Cluster2835



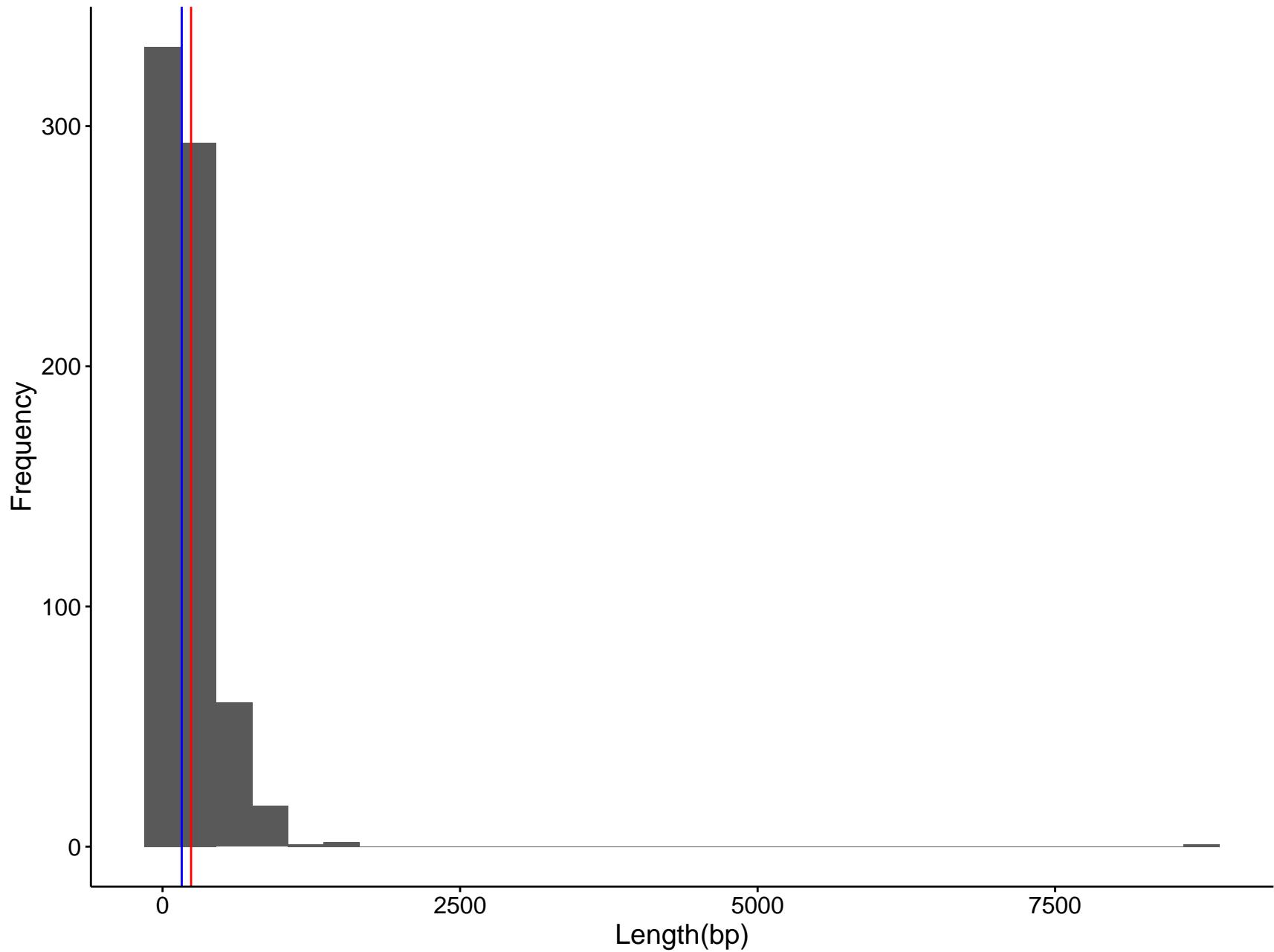
Cluster2836



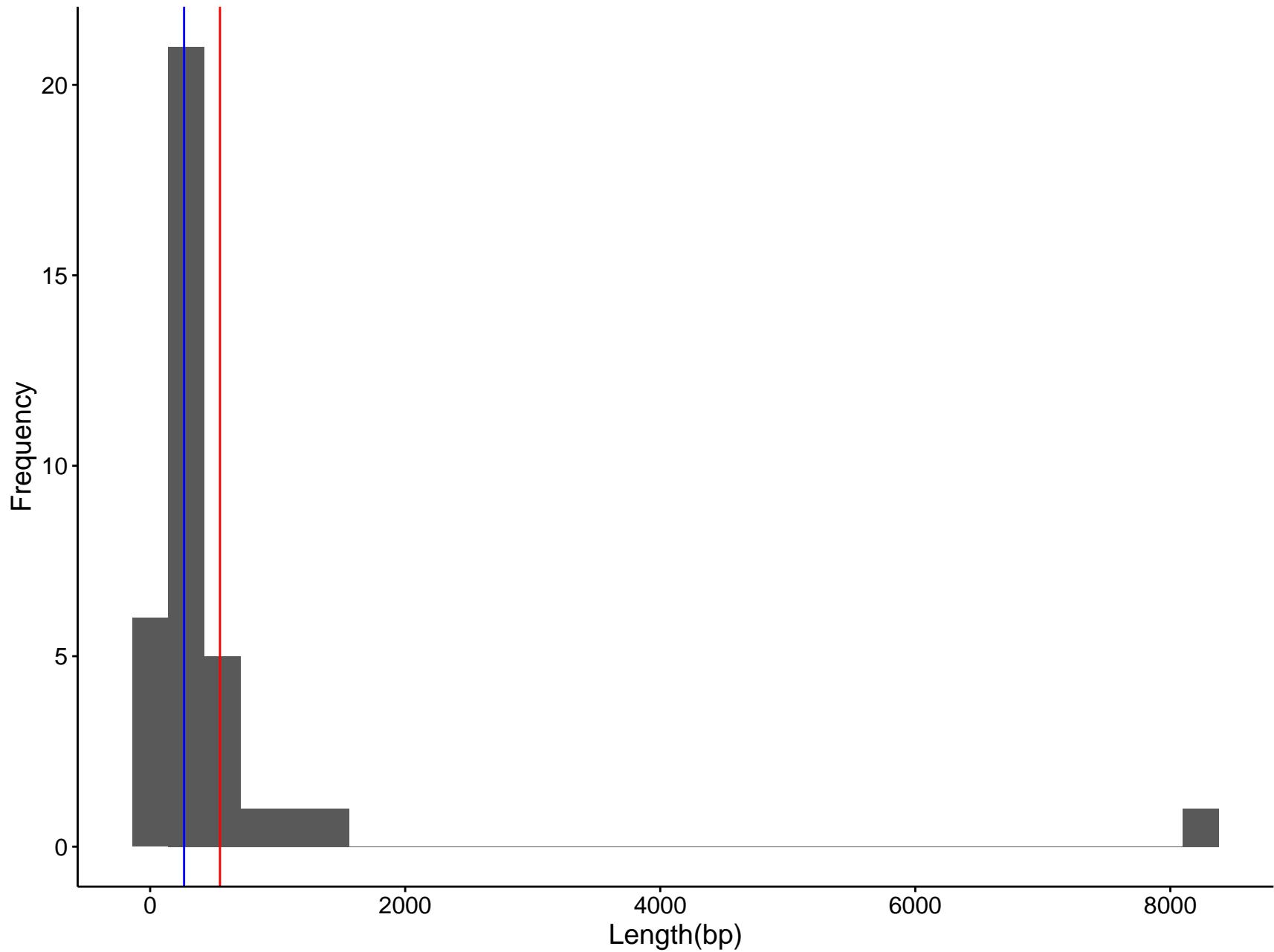
Cluster2837



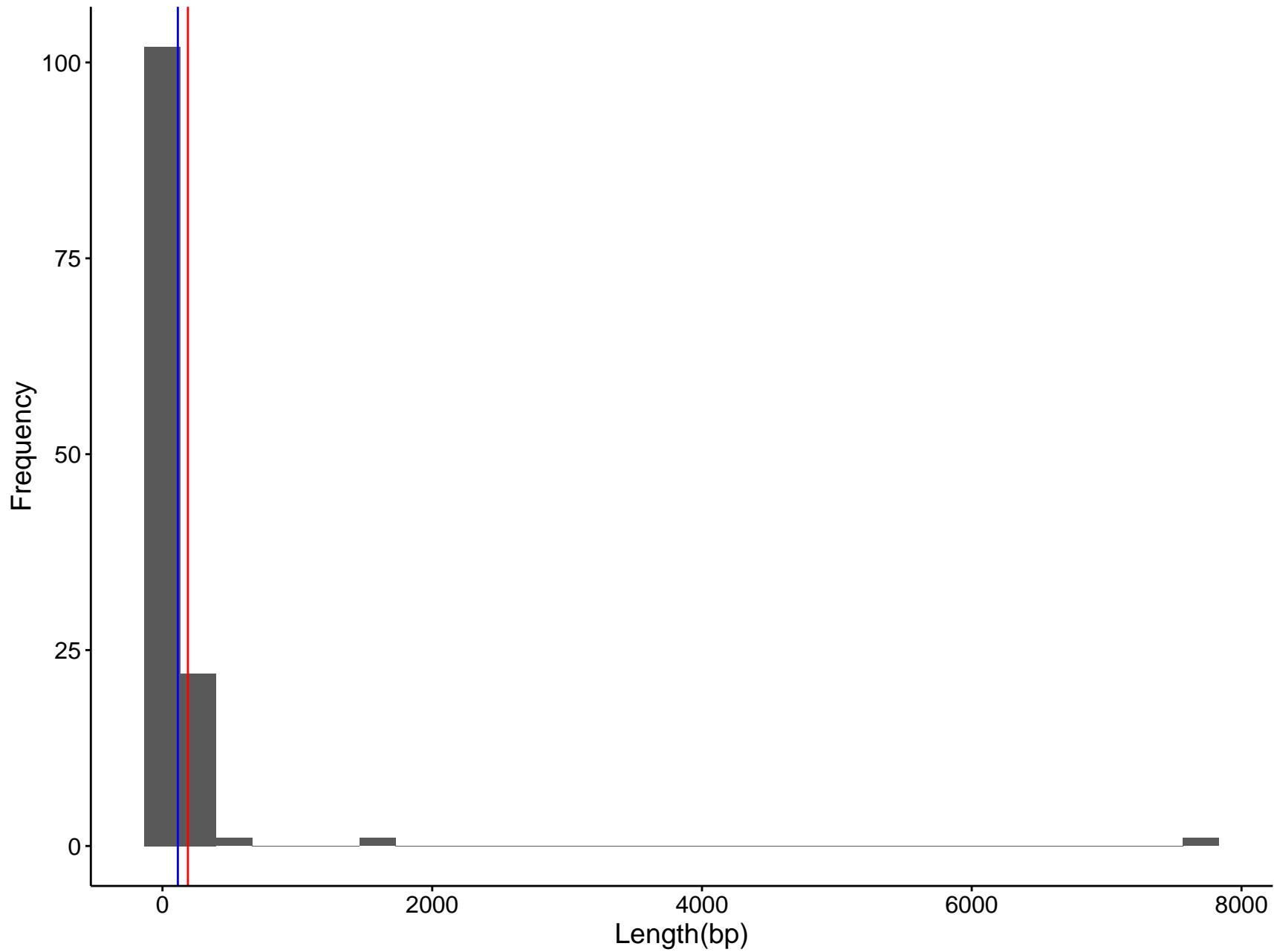
Cluster2838



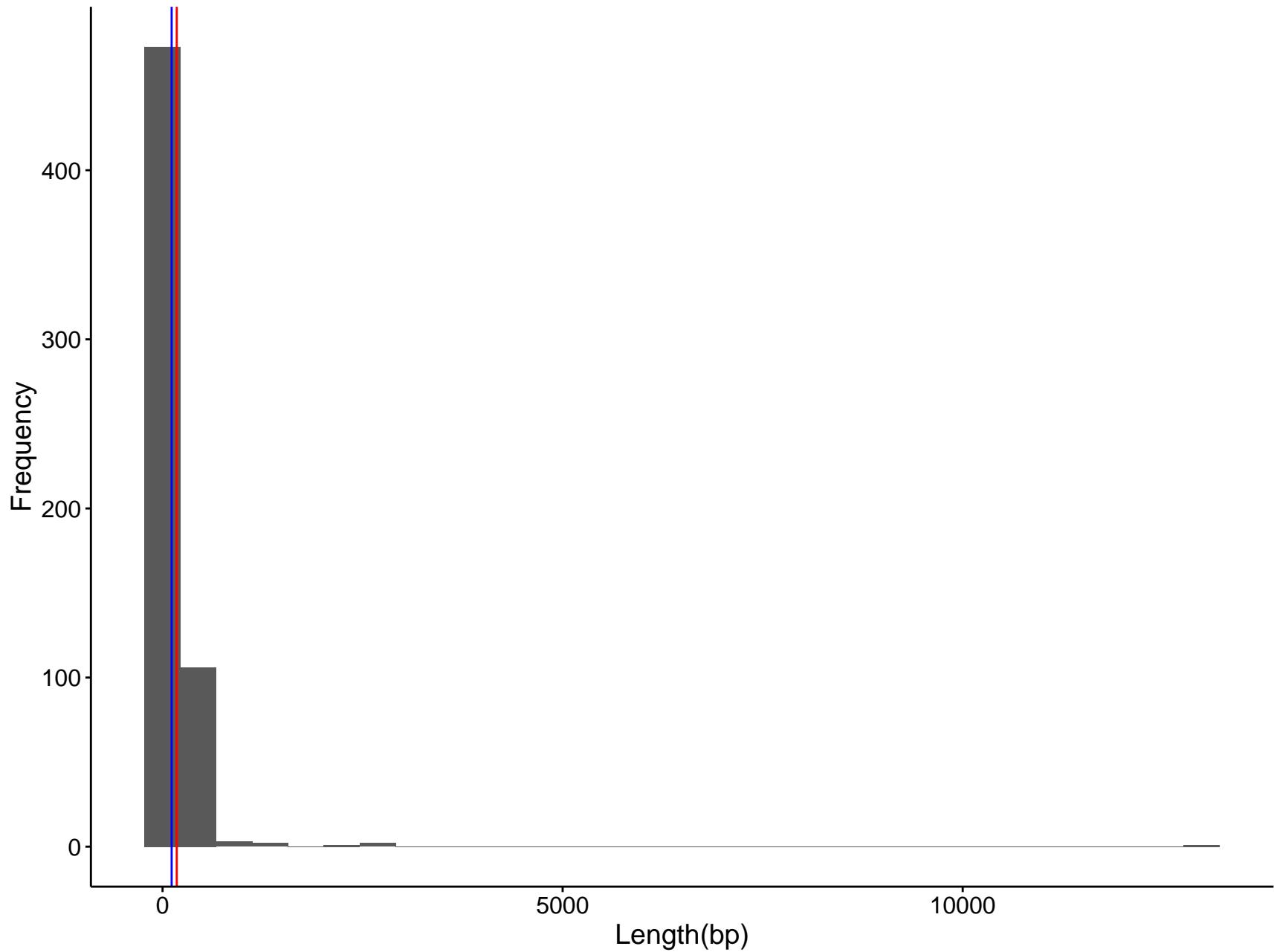
Cluster2839



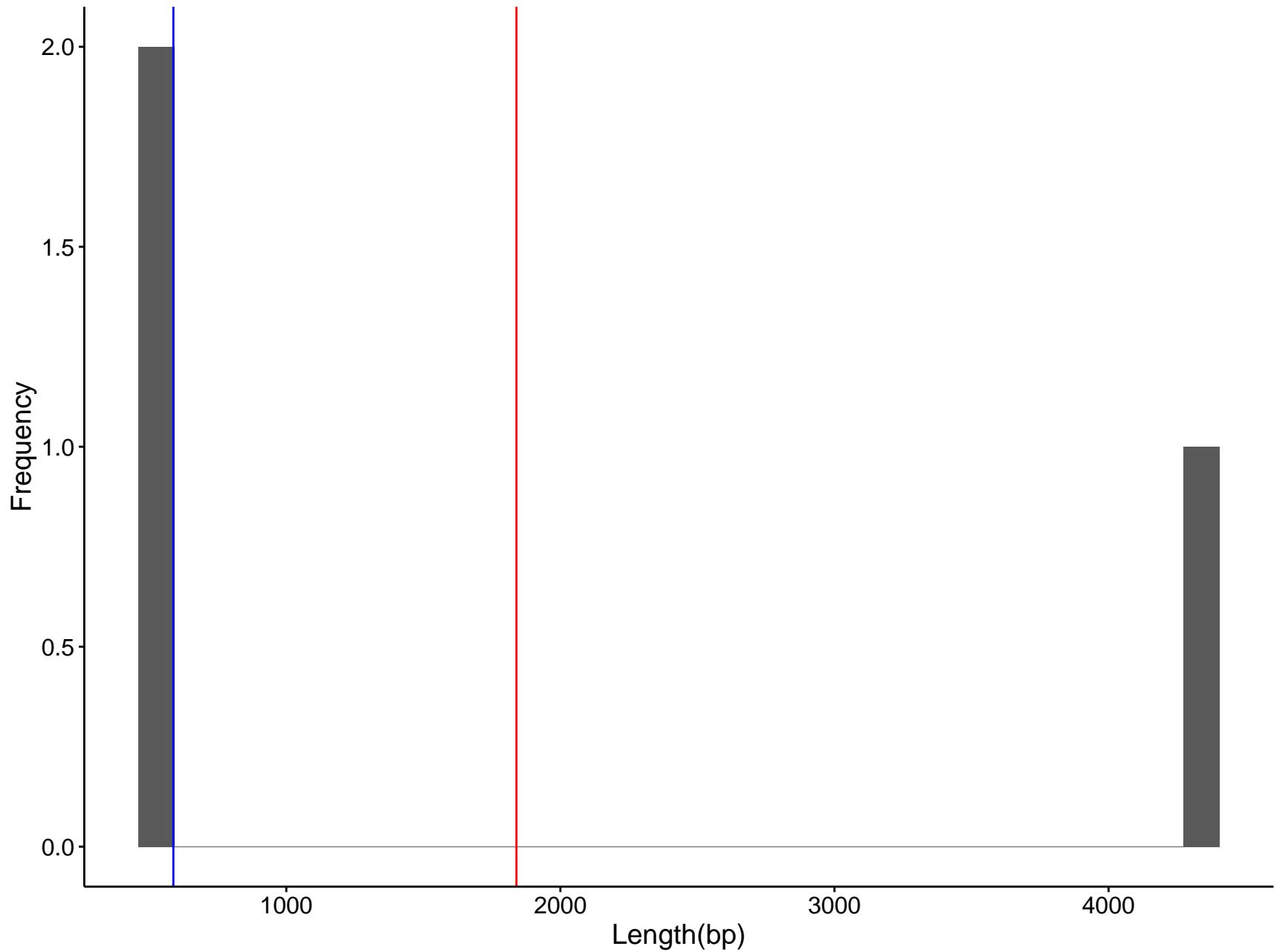
Cluster2840



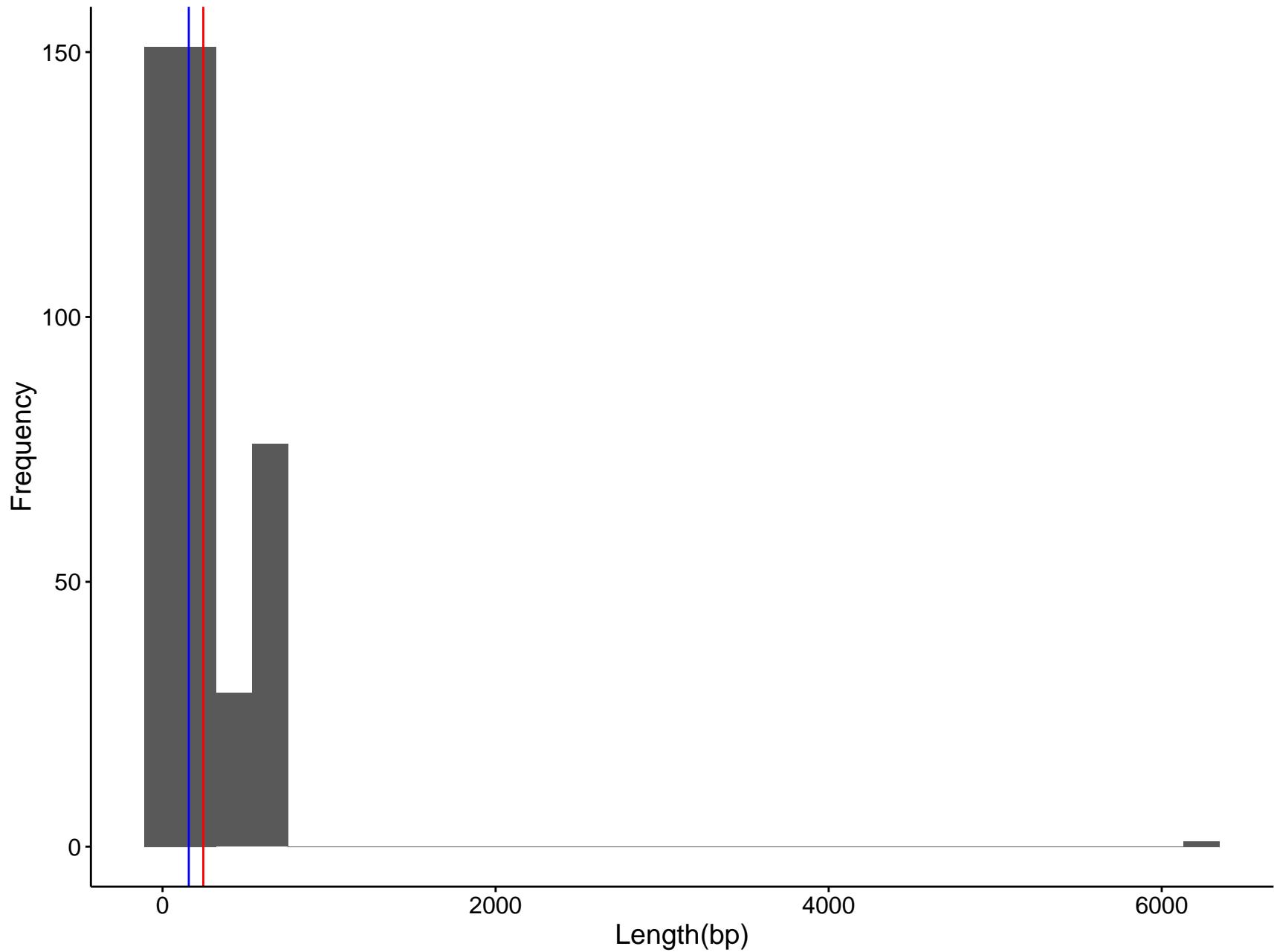
Cluster2841



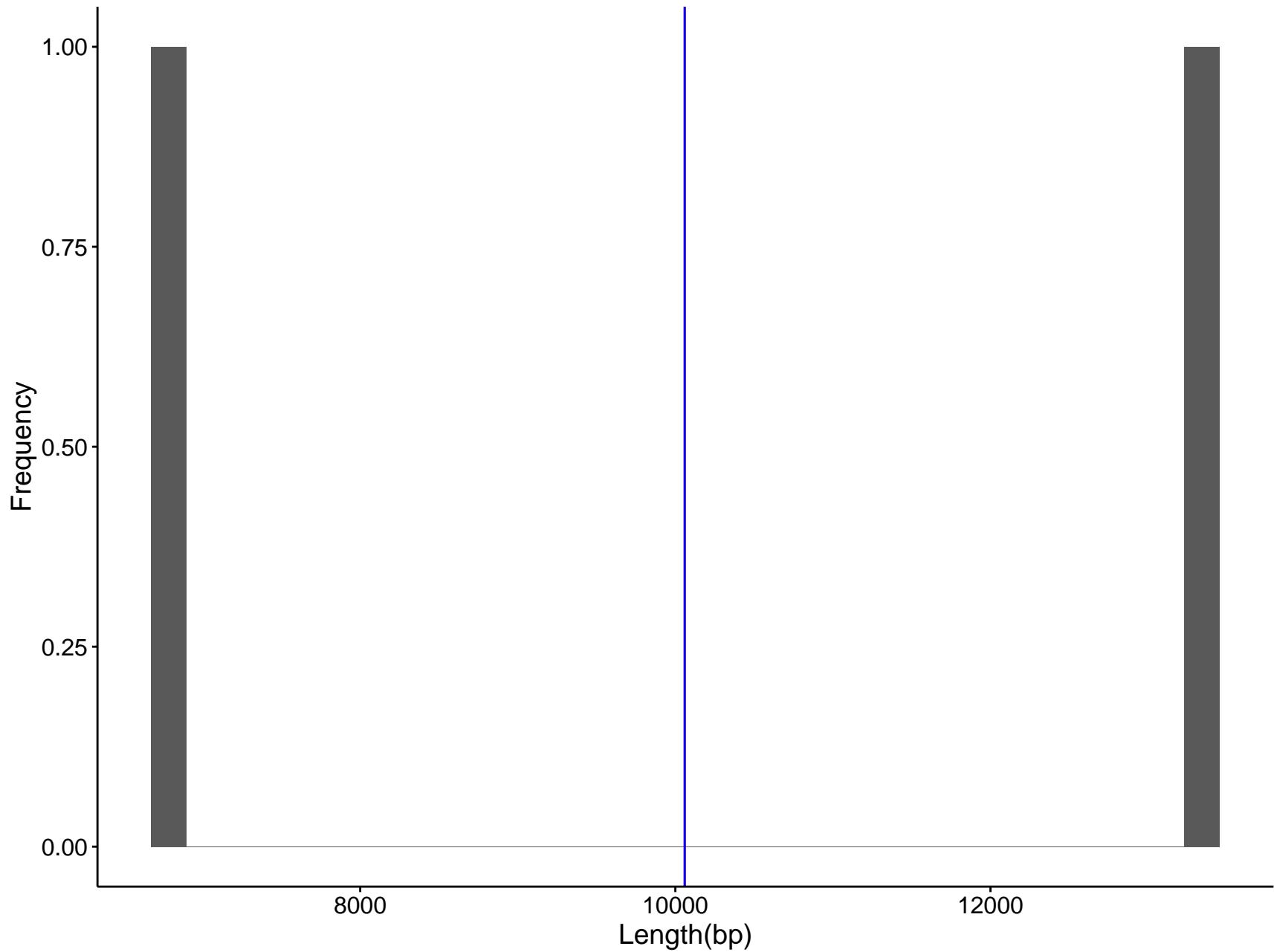
Cluster2842



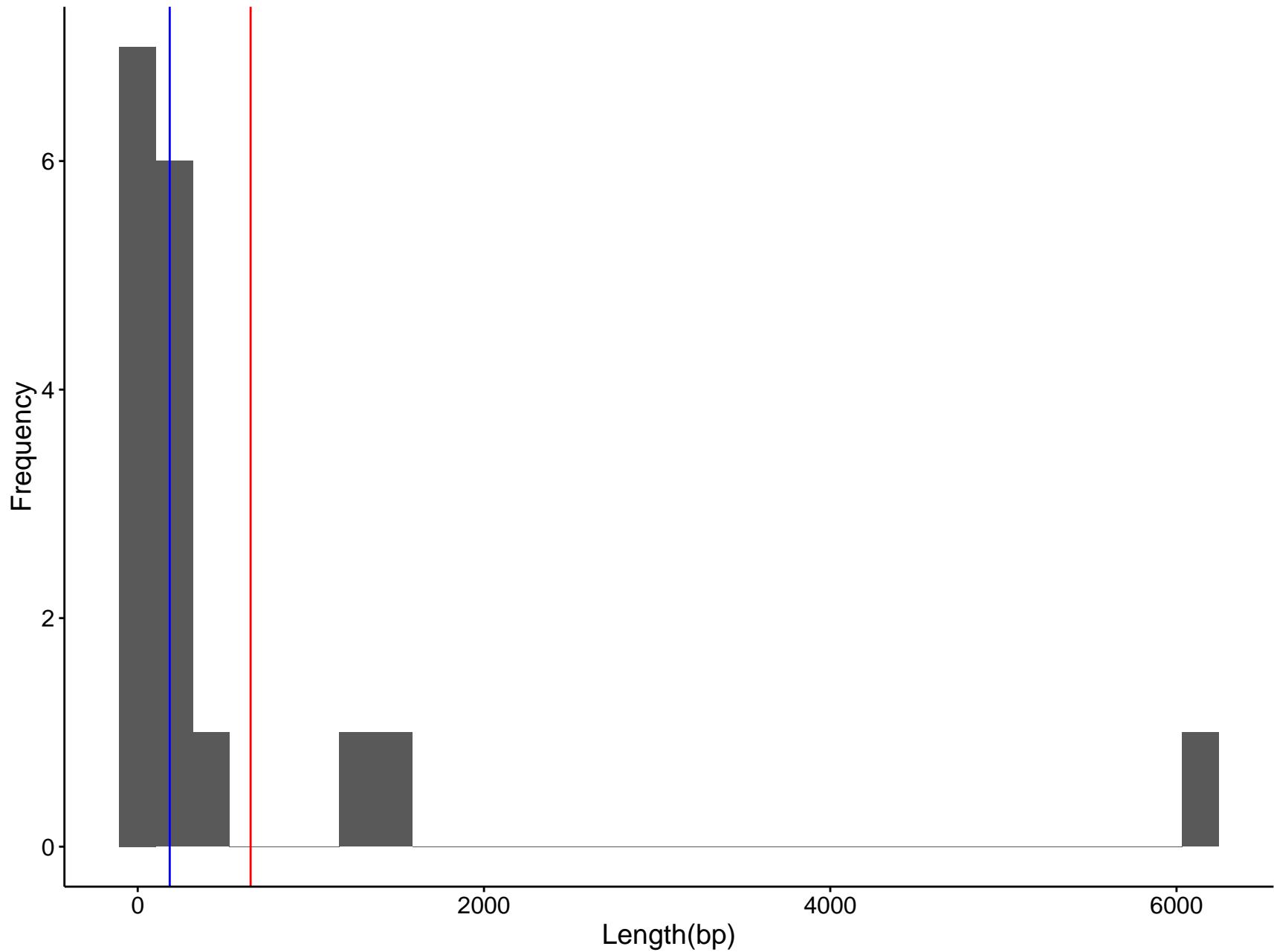
Cluster2843



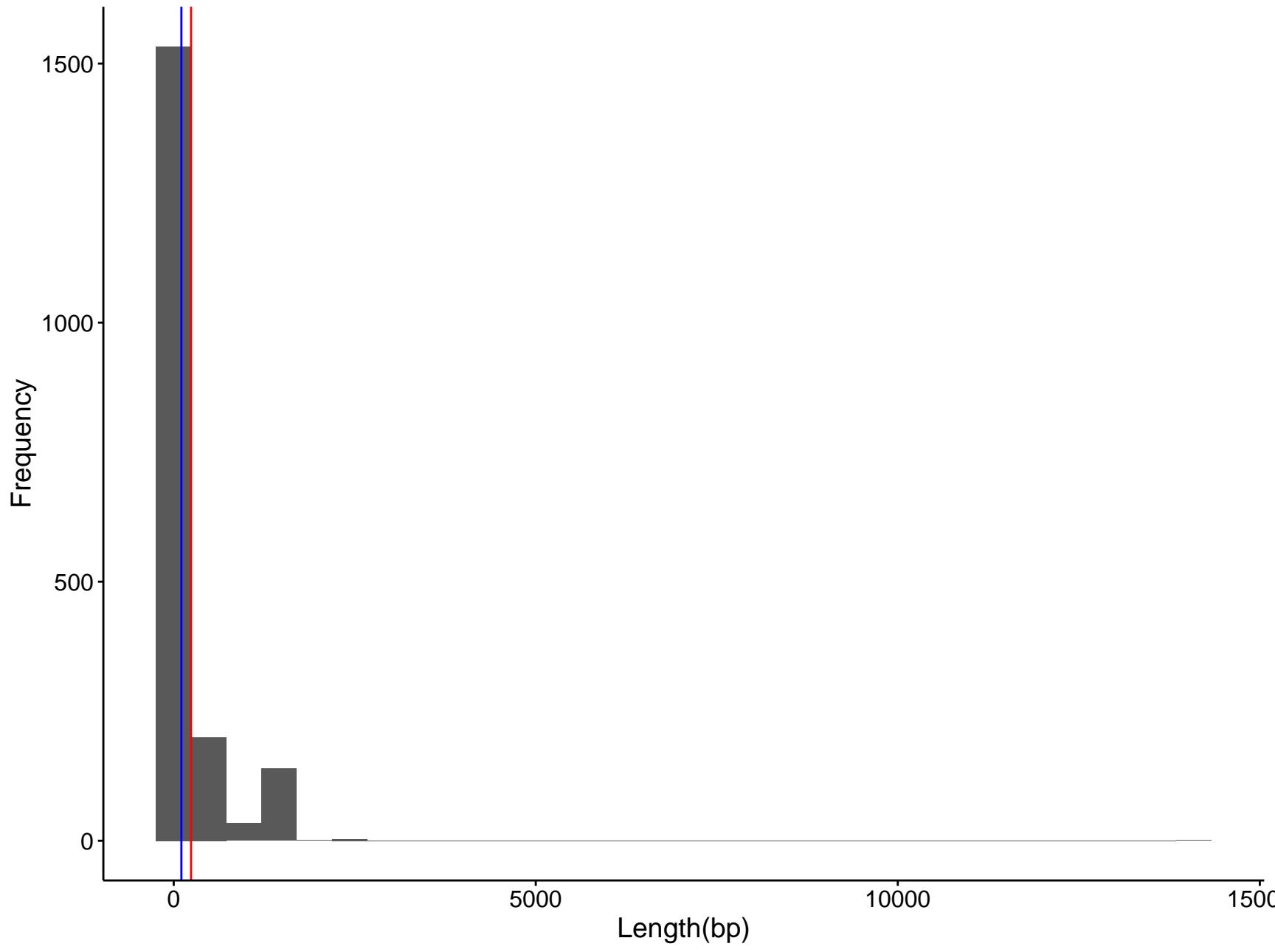
Cluster2844



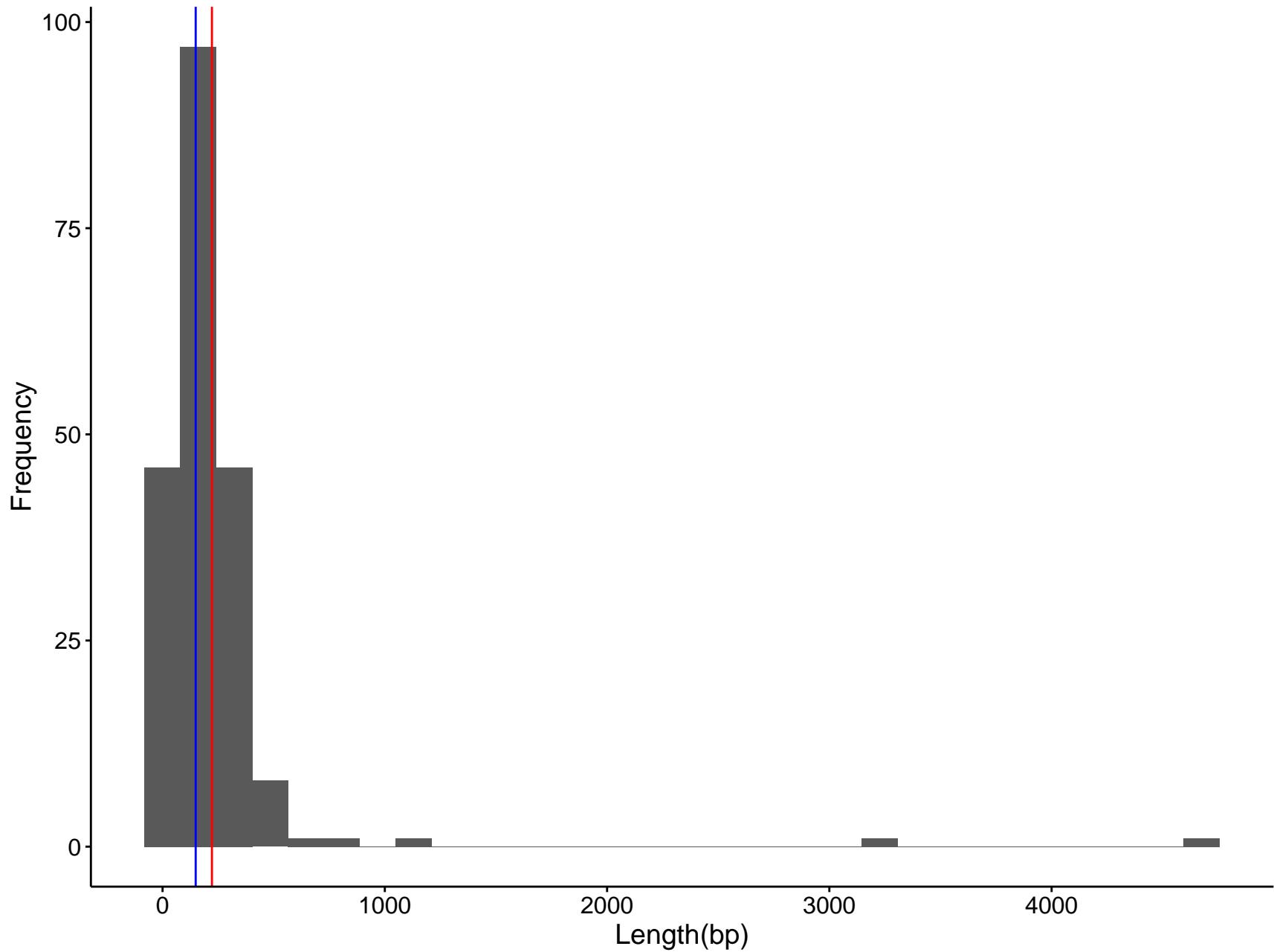
Cluster2845



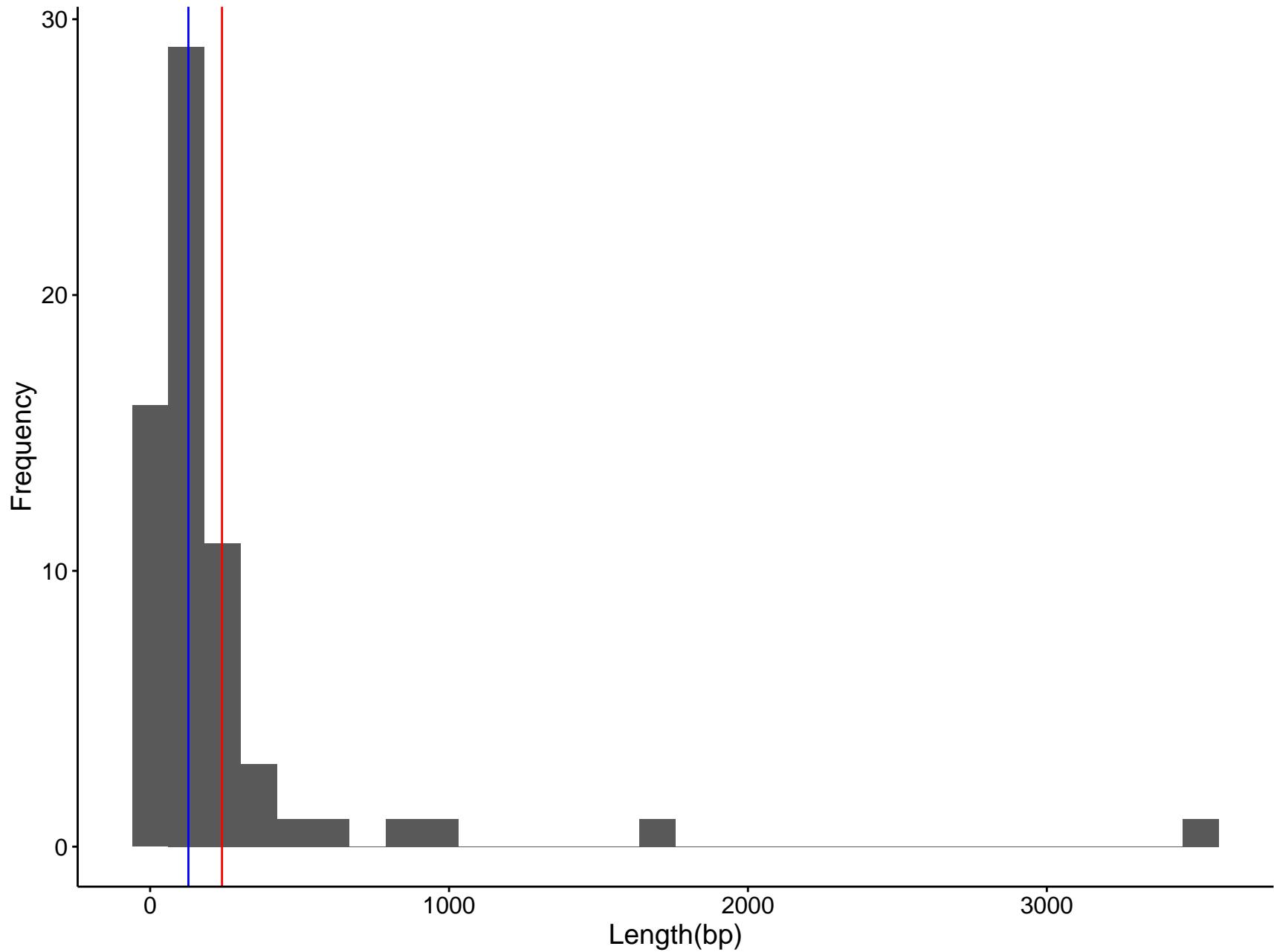
Cluster2846



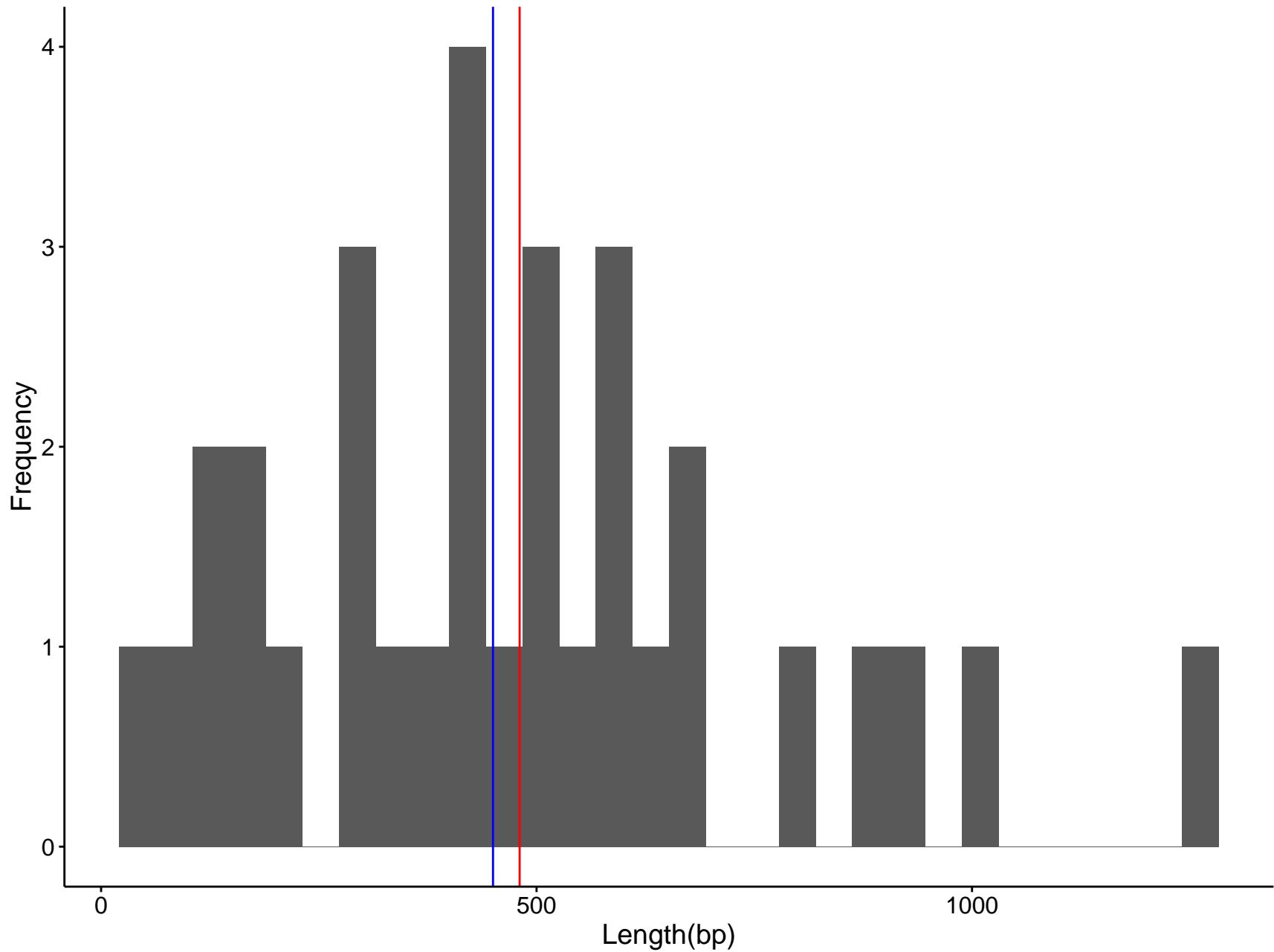
Cluster2847



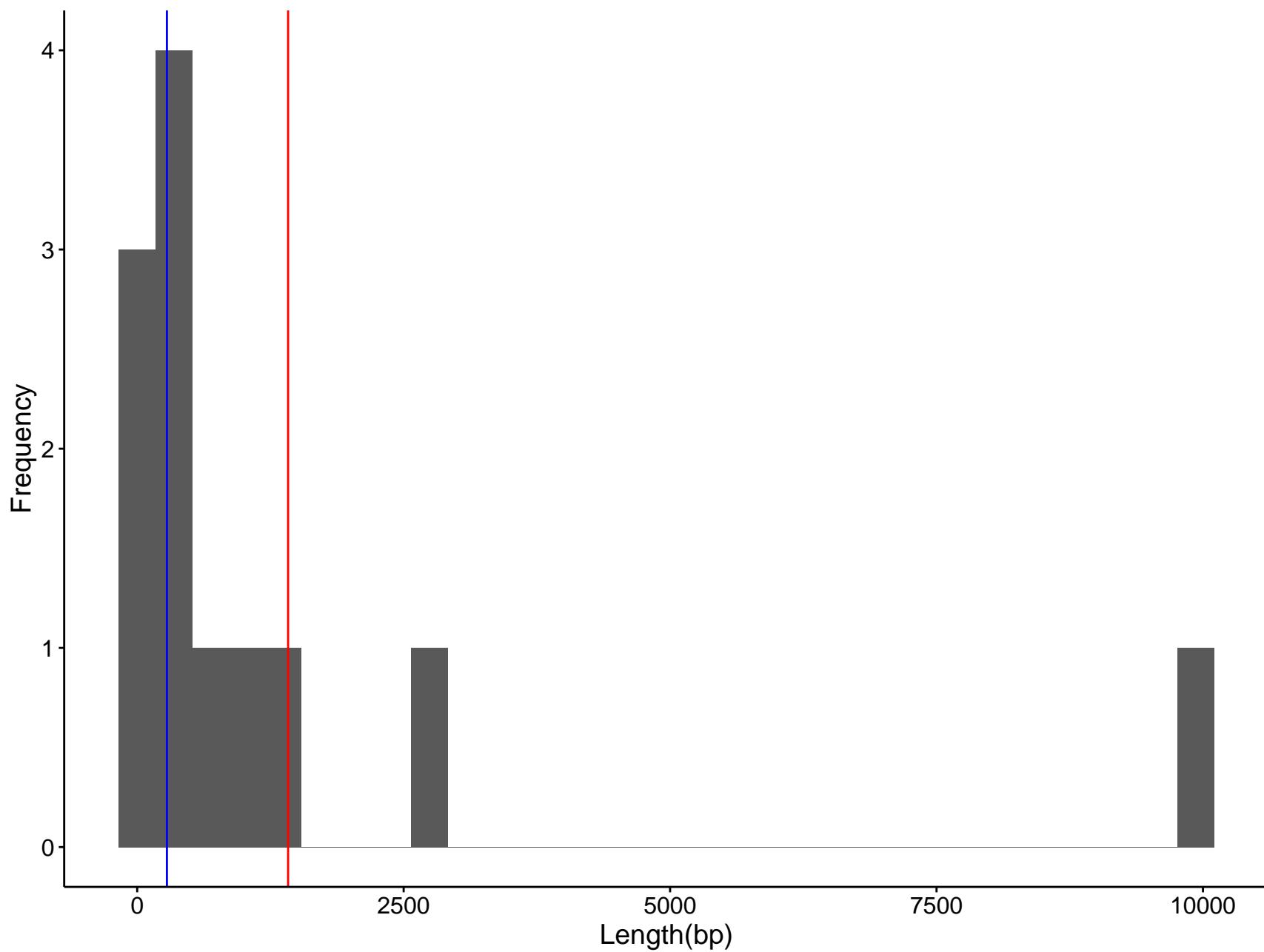
Cluster2848



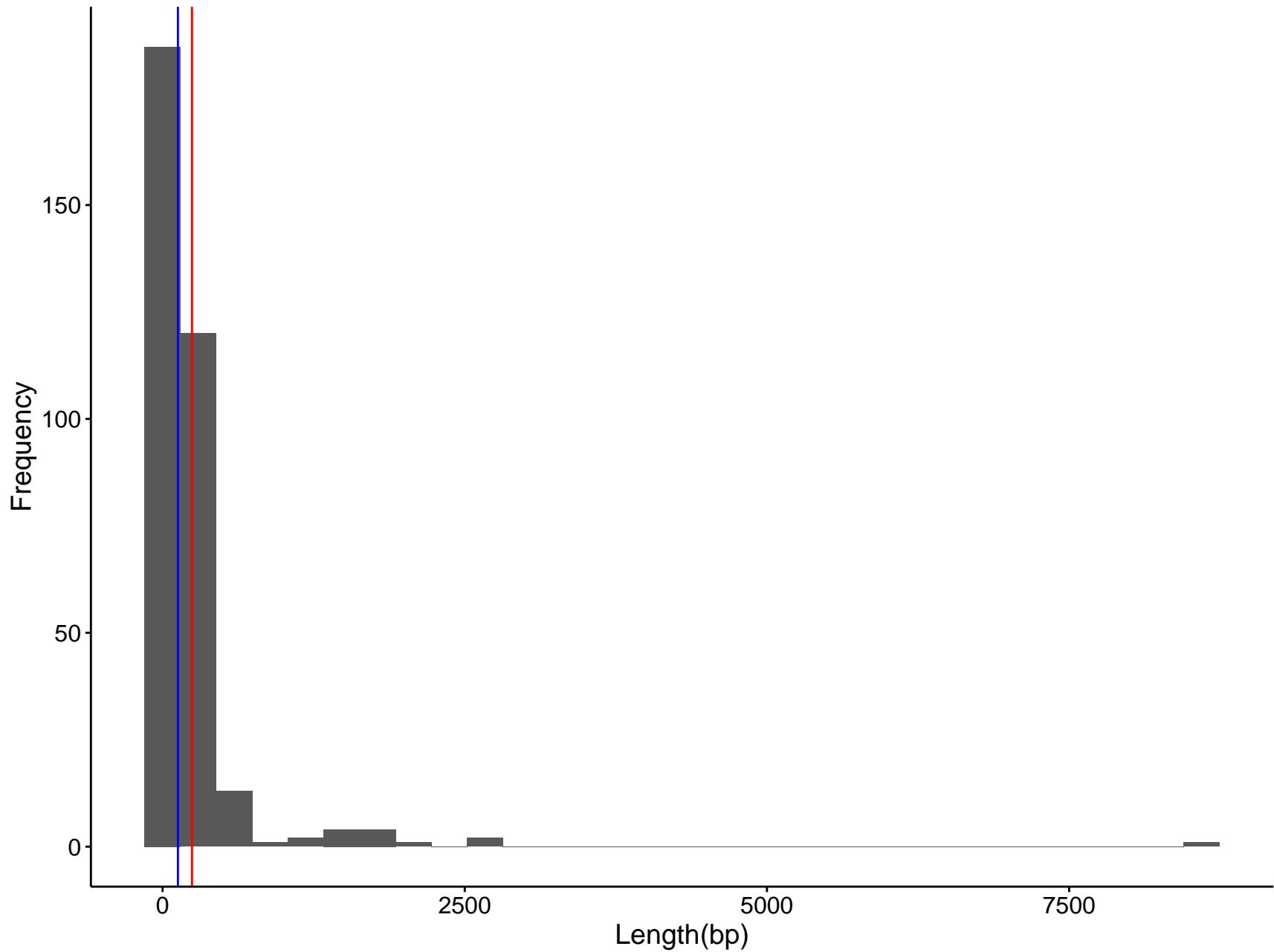
# Cluster284



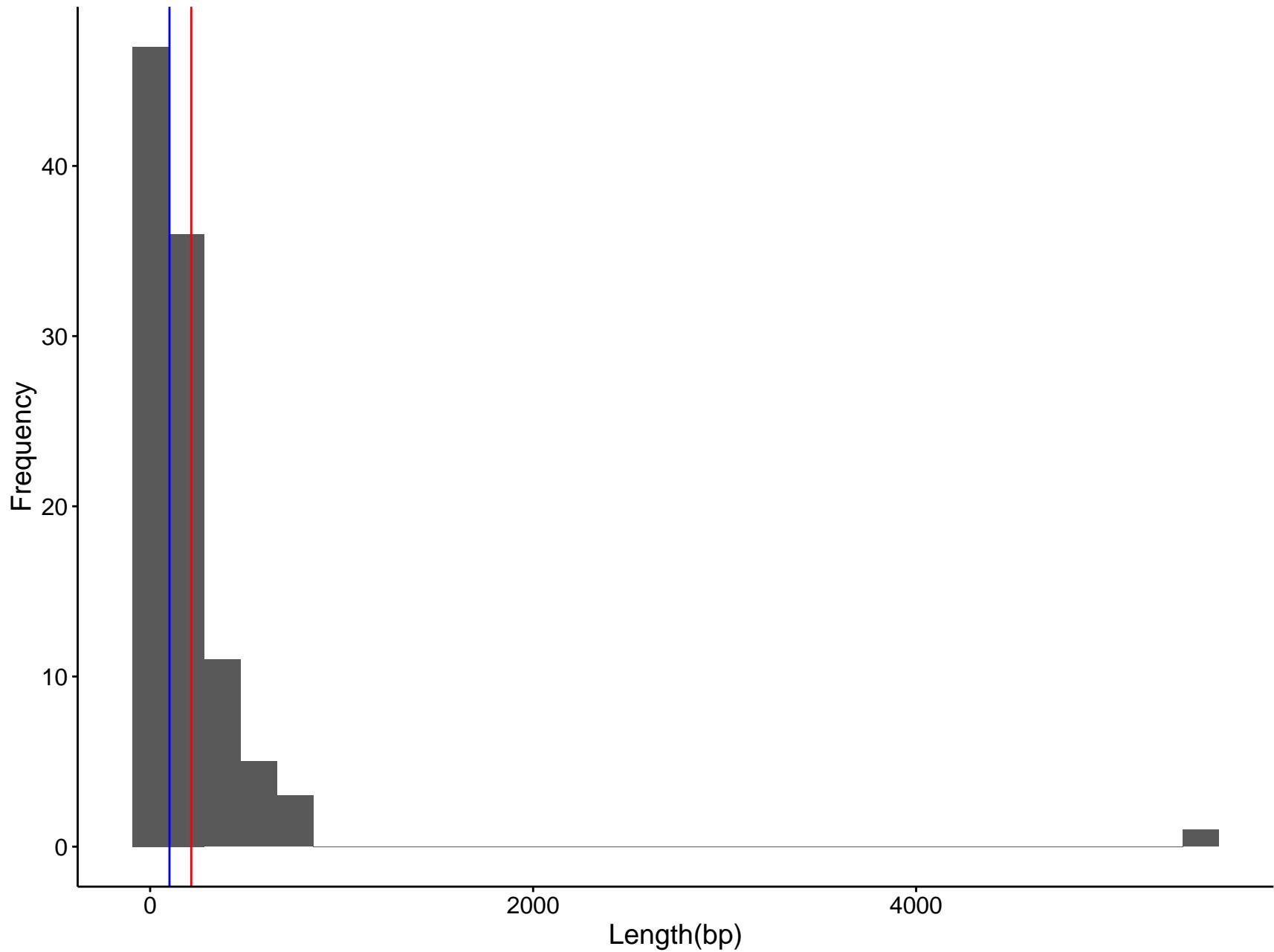
Cluster2850



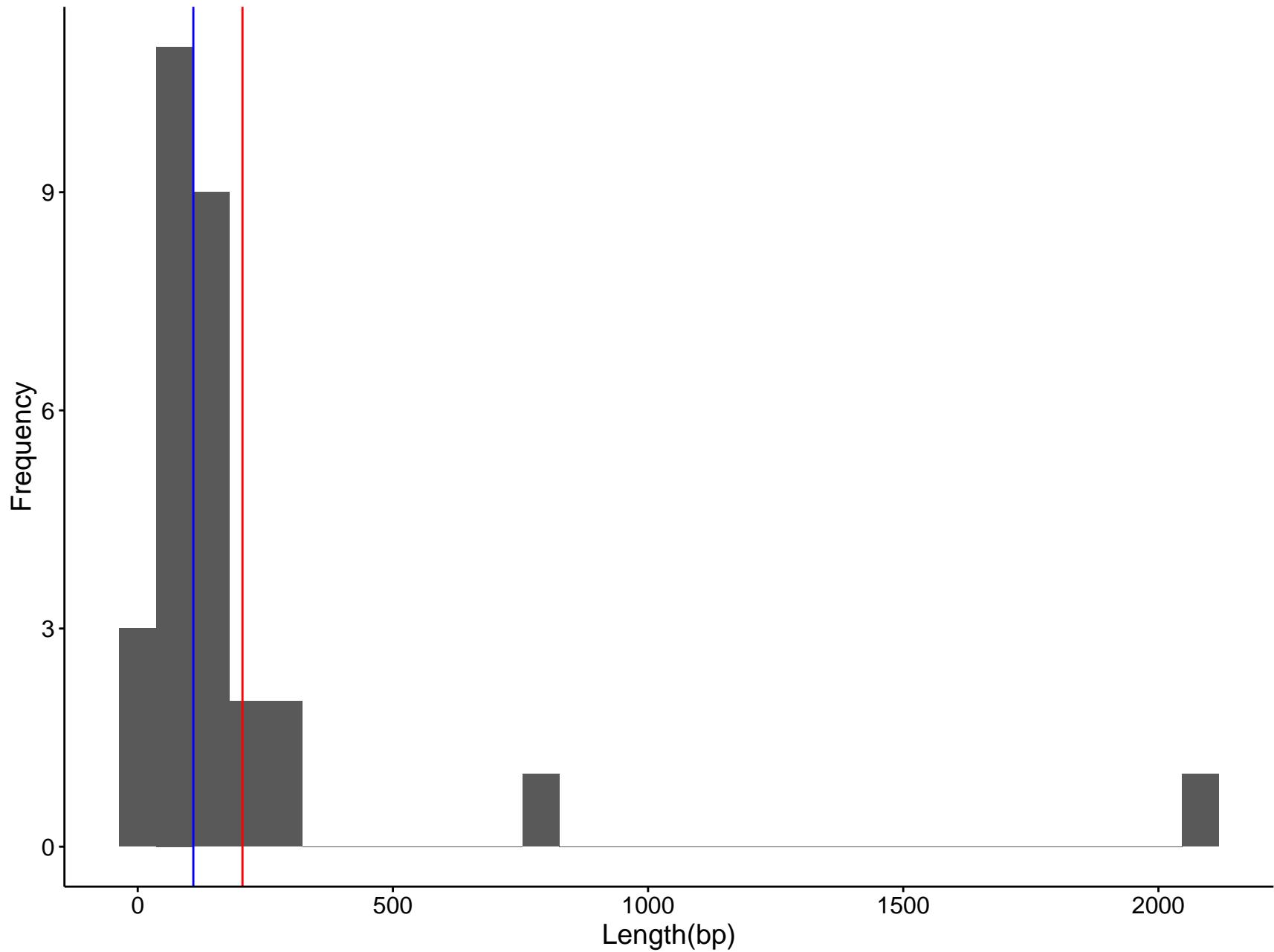
Cluster2851



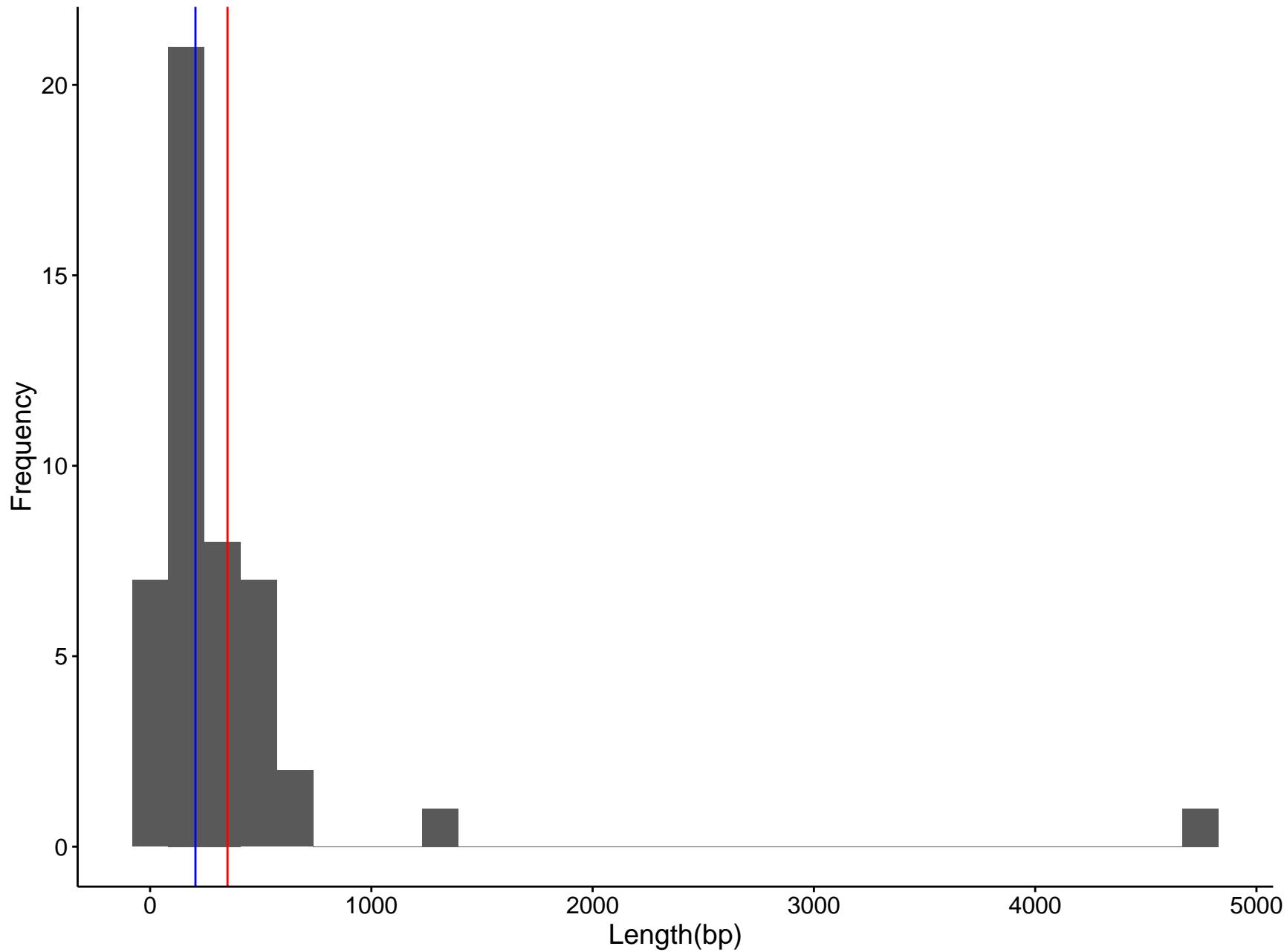
Cluster2852



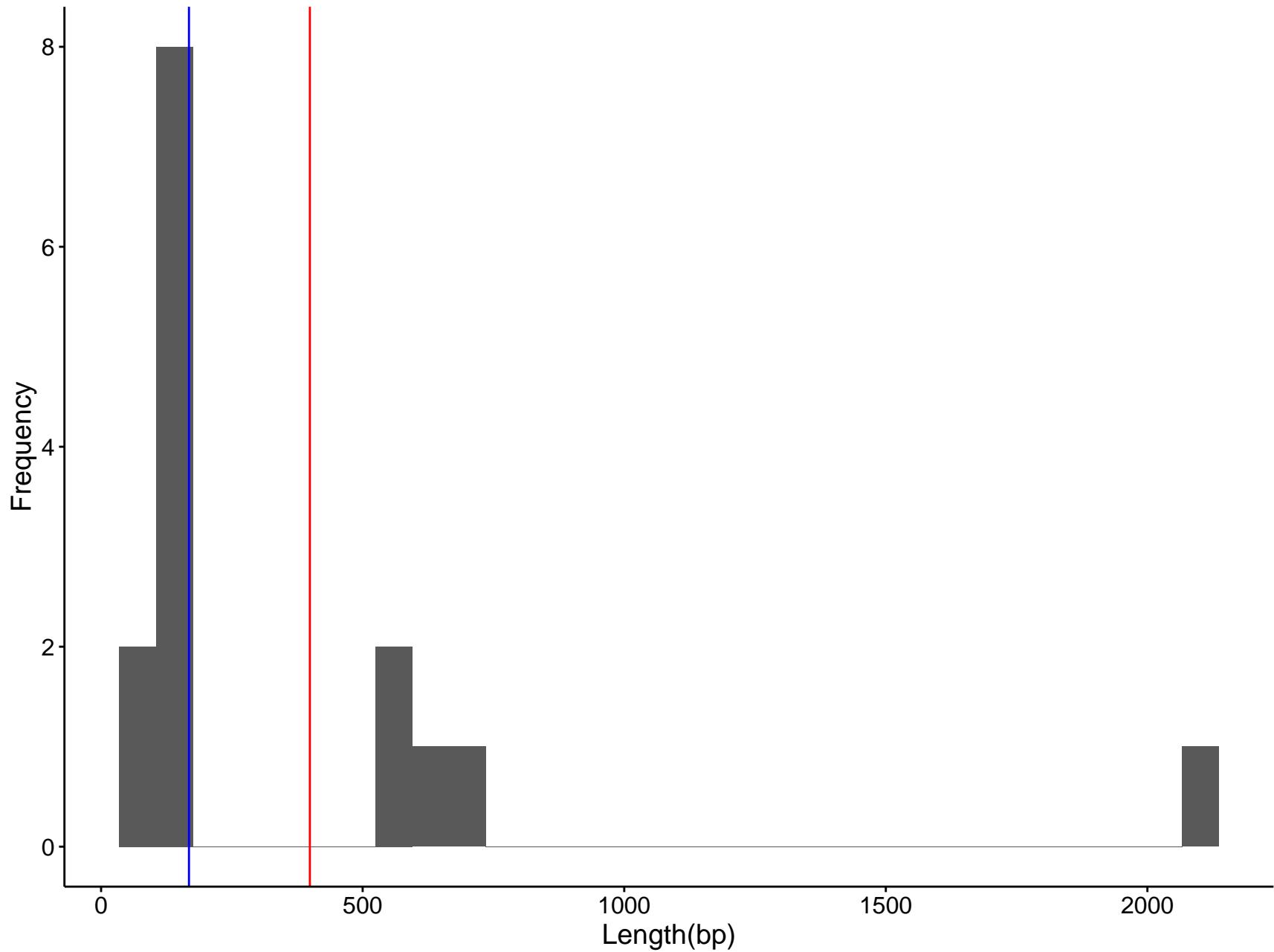
Cluster2853



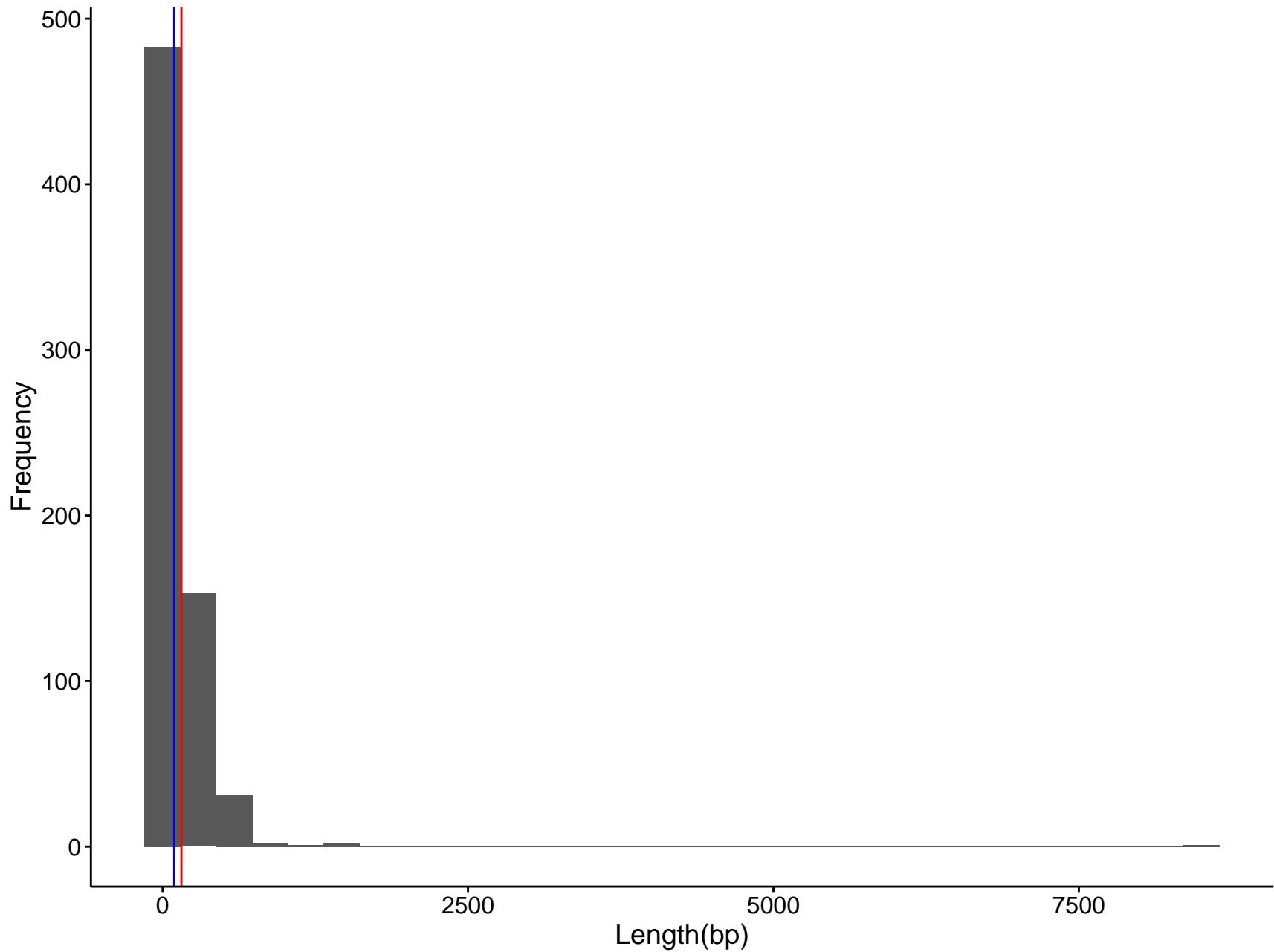
Cluster2854



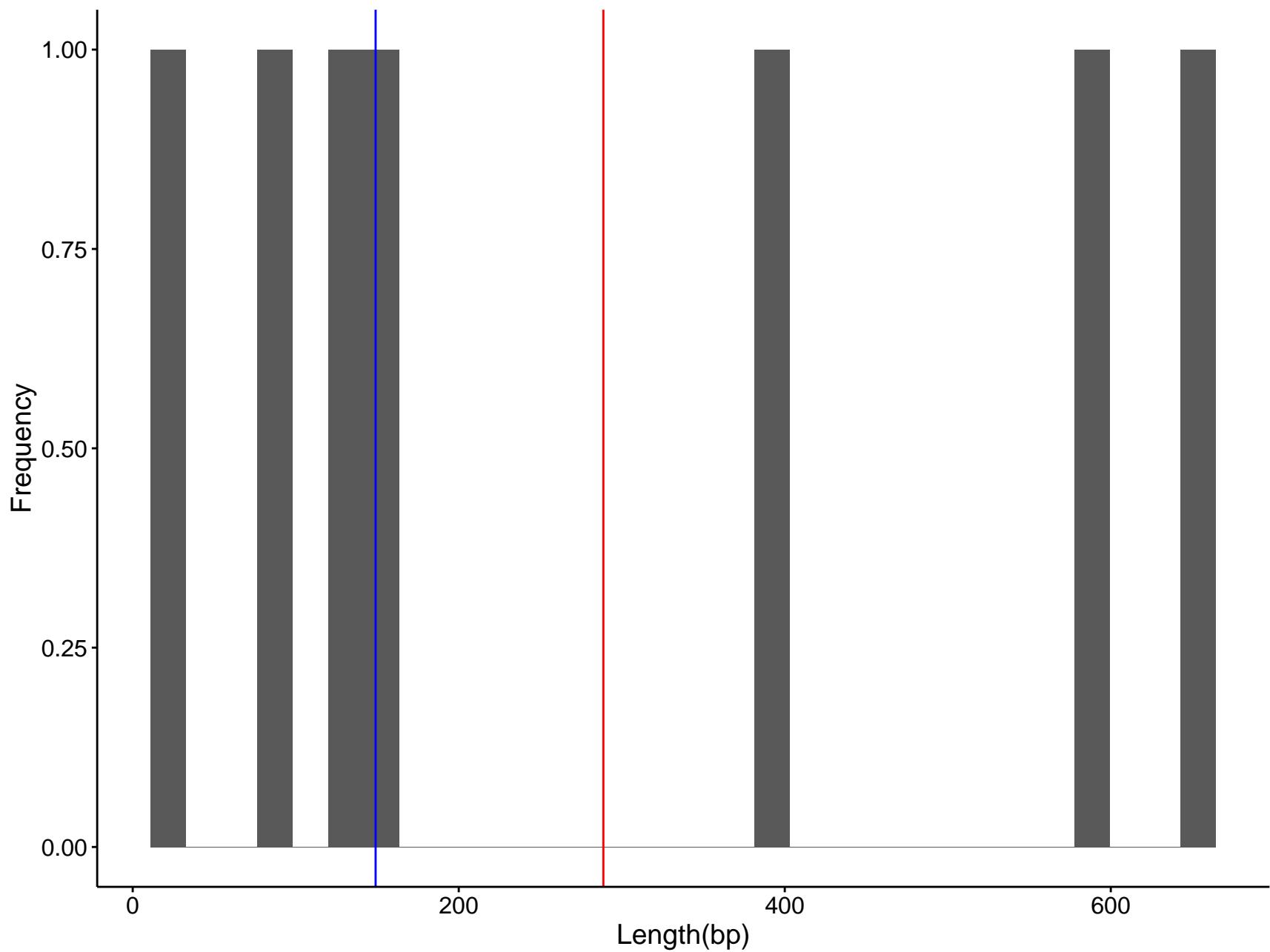
Cluster2855



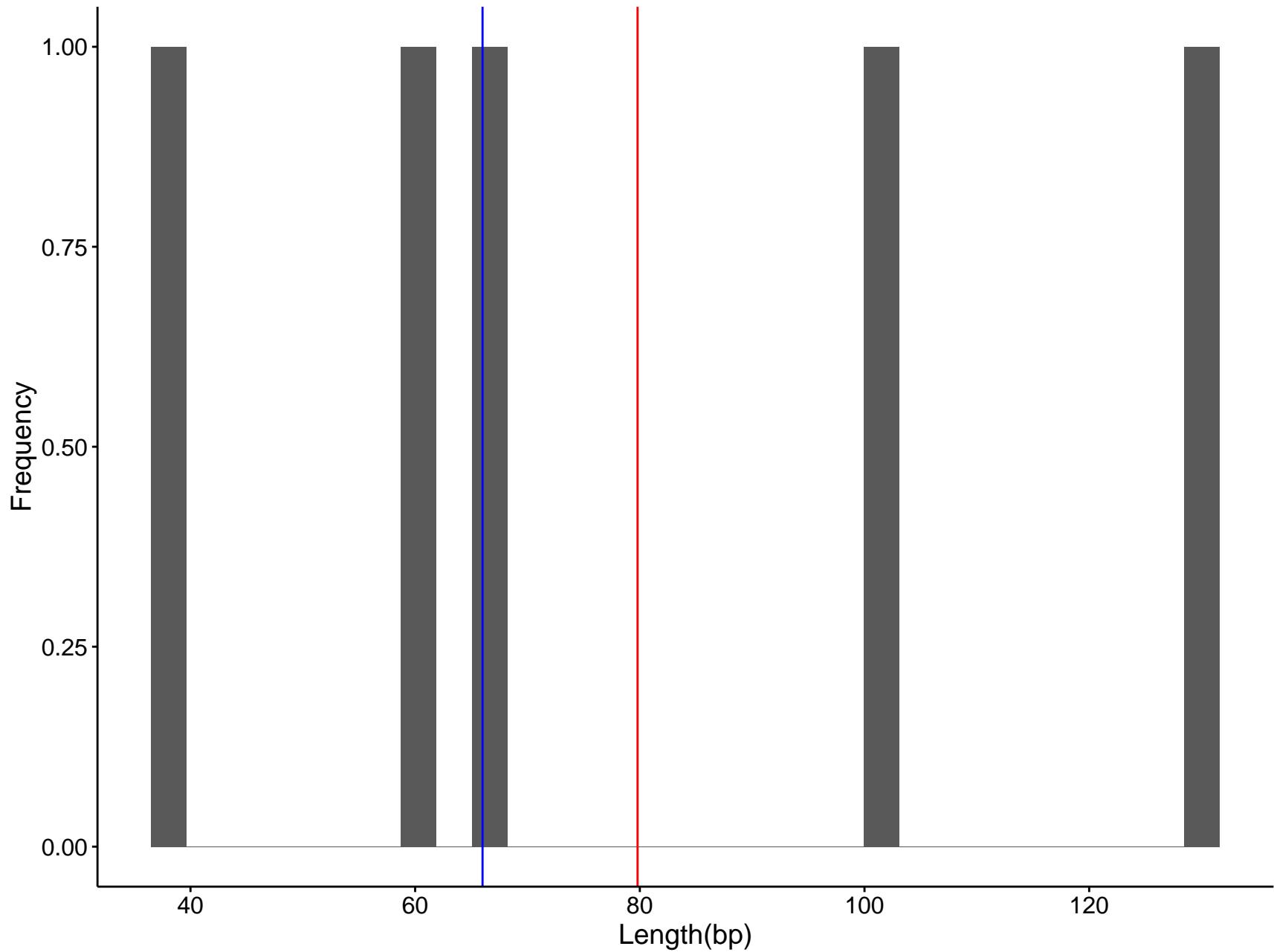
Cluster2857



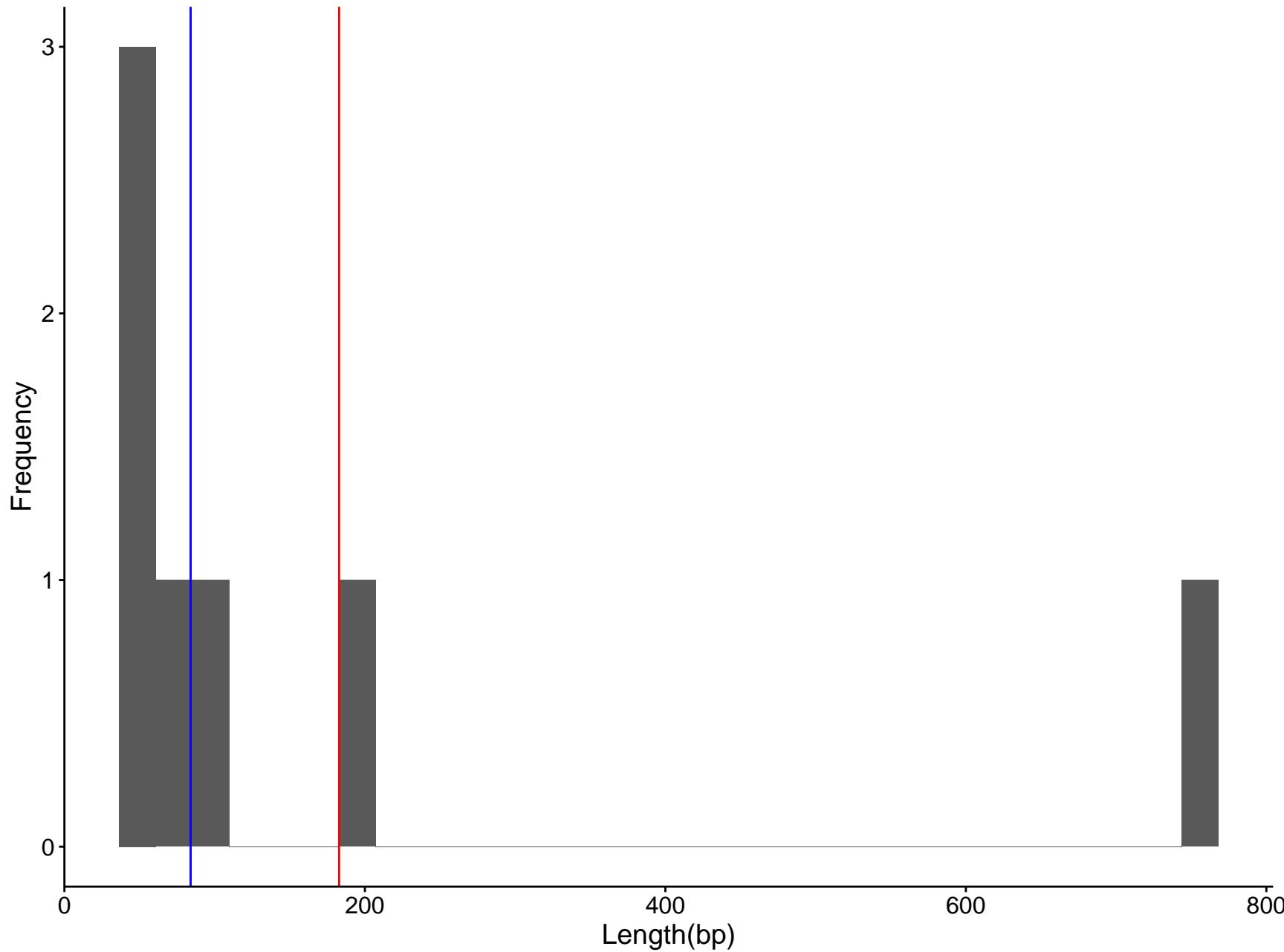
Cluster2859



Cluster285



Cluster2861



Cluster2862

Frequency

350.950

350.975

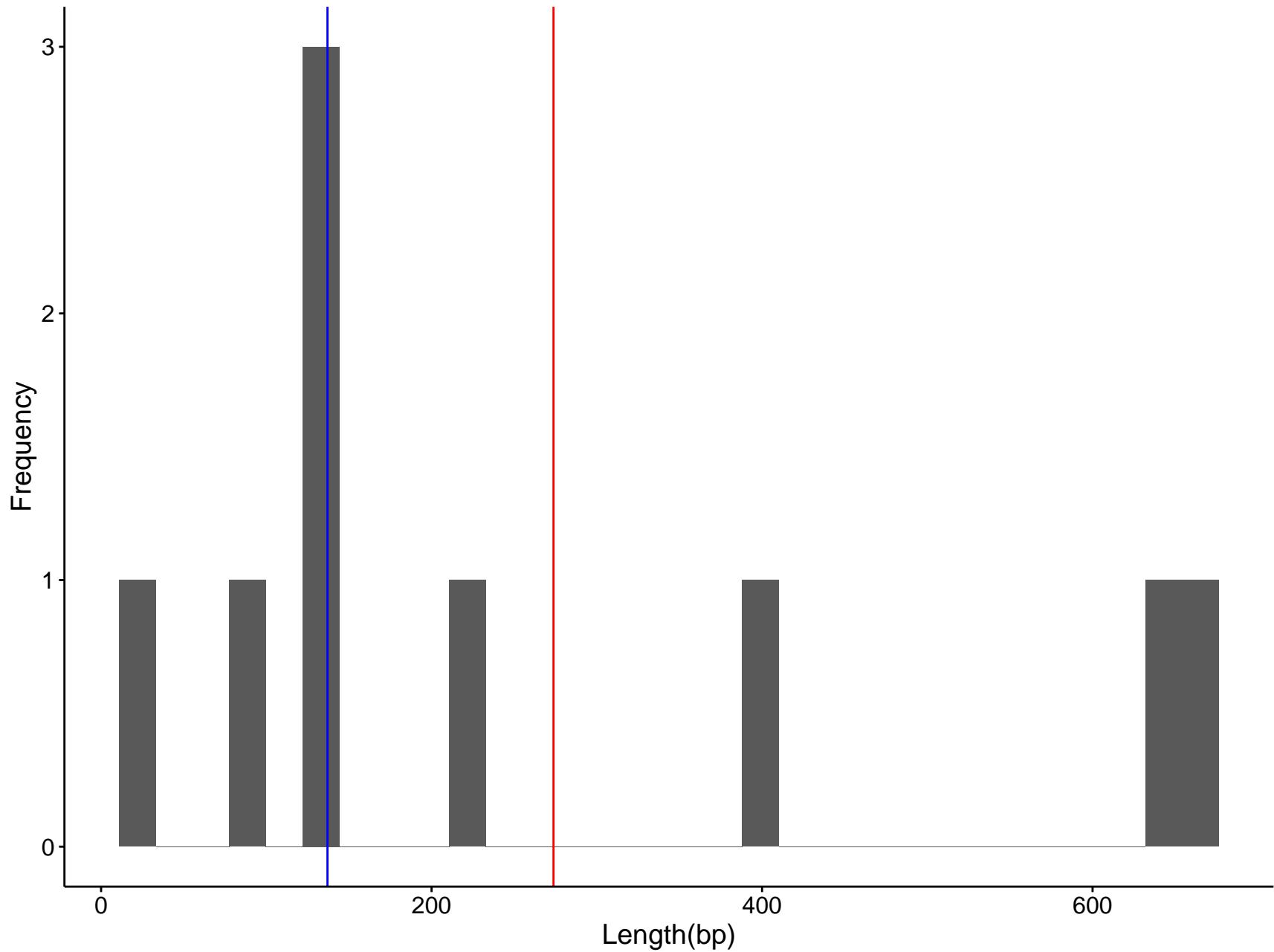
351.000

351.025

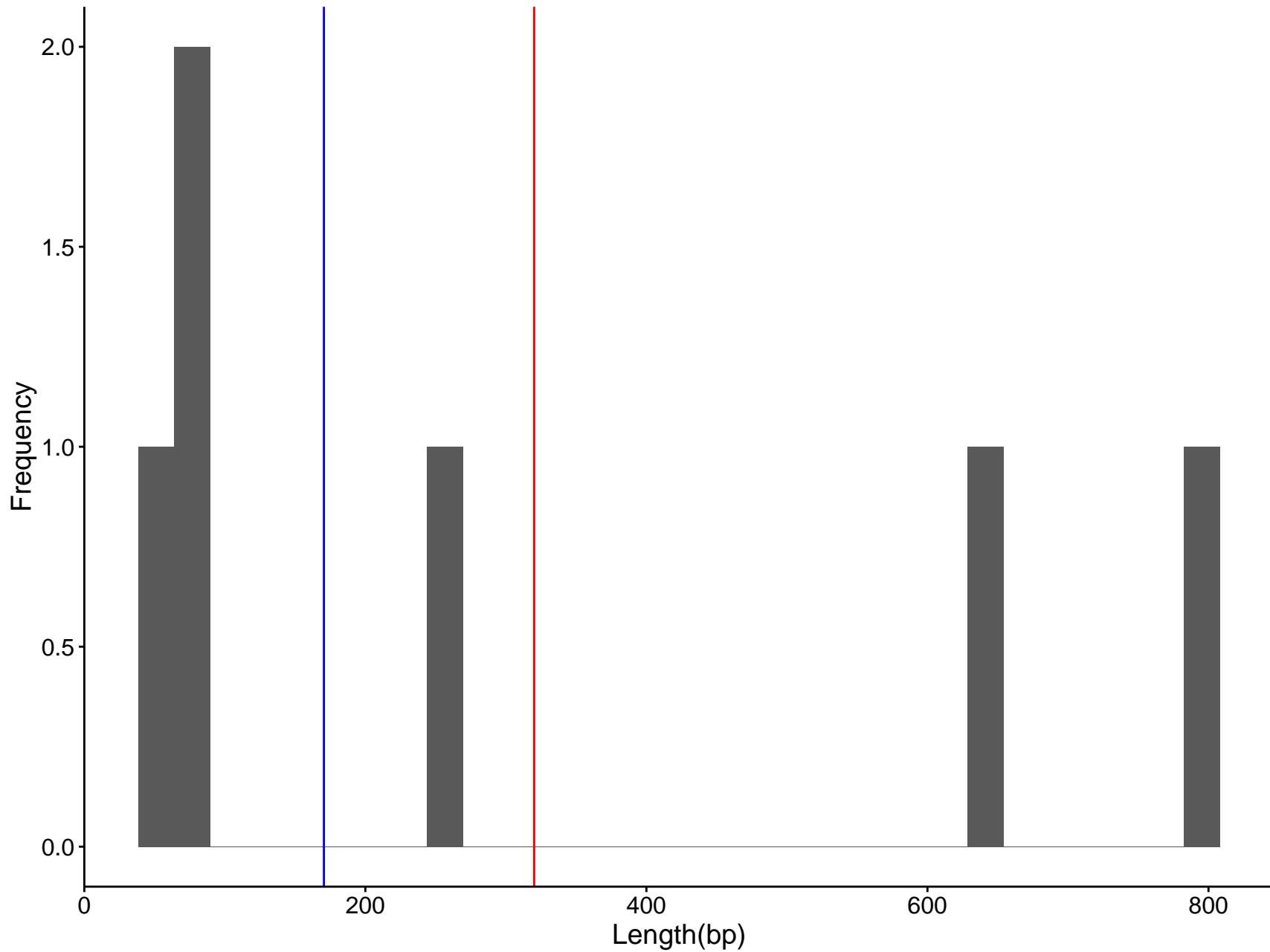
Length(bp)



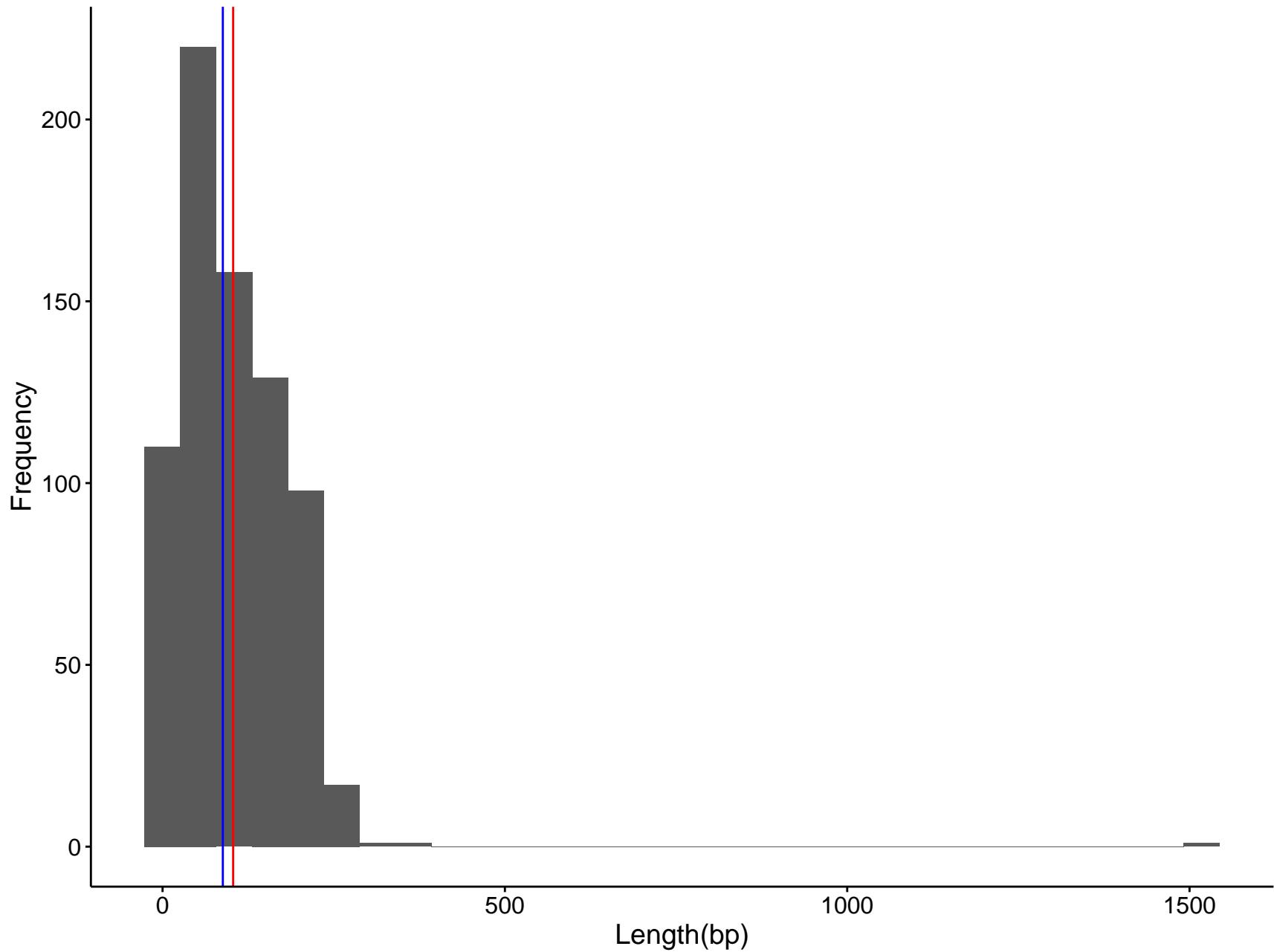
Cluster2863



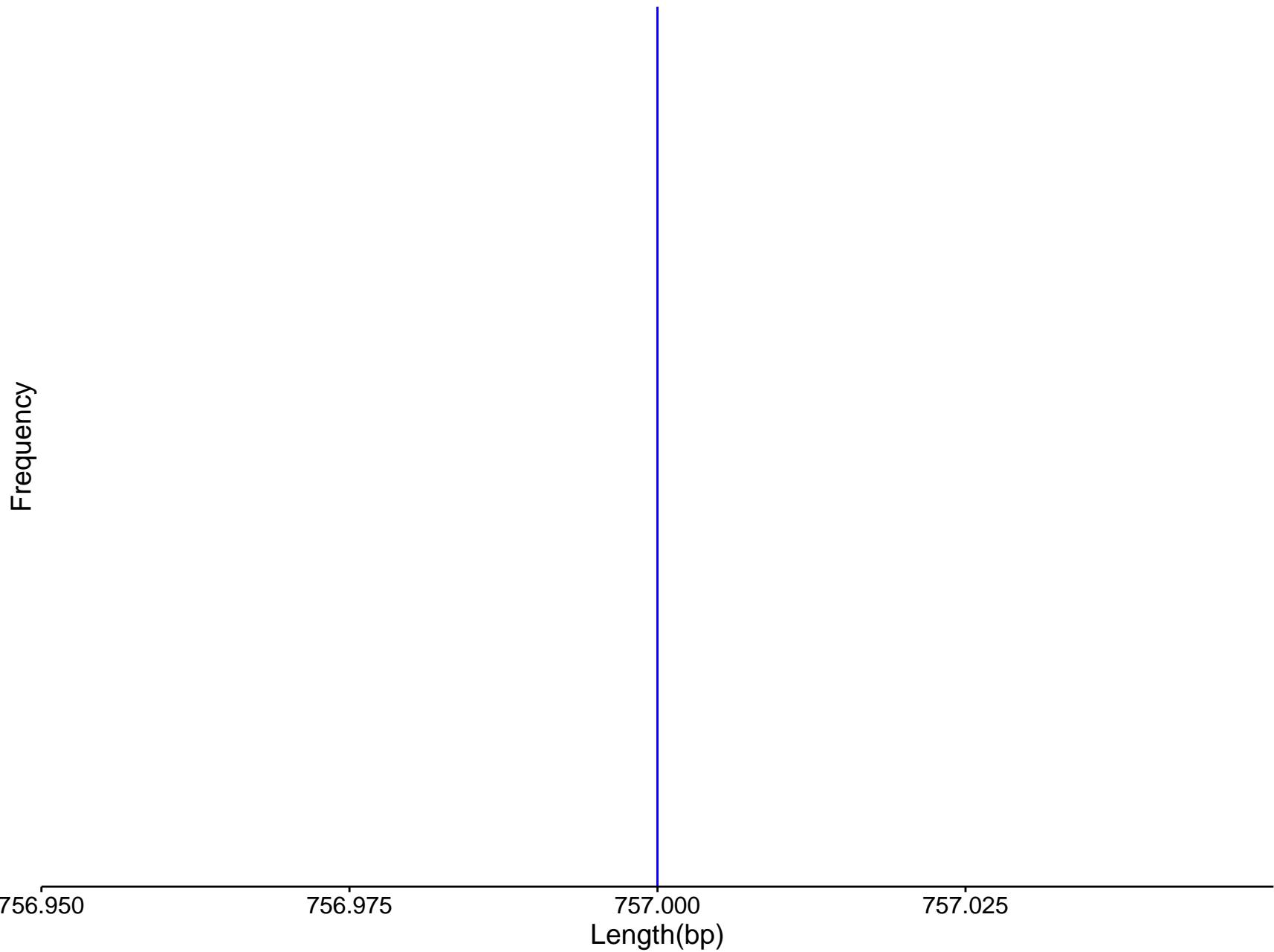
Cluster2865



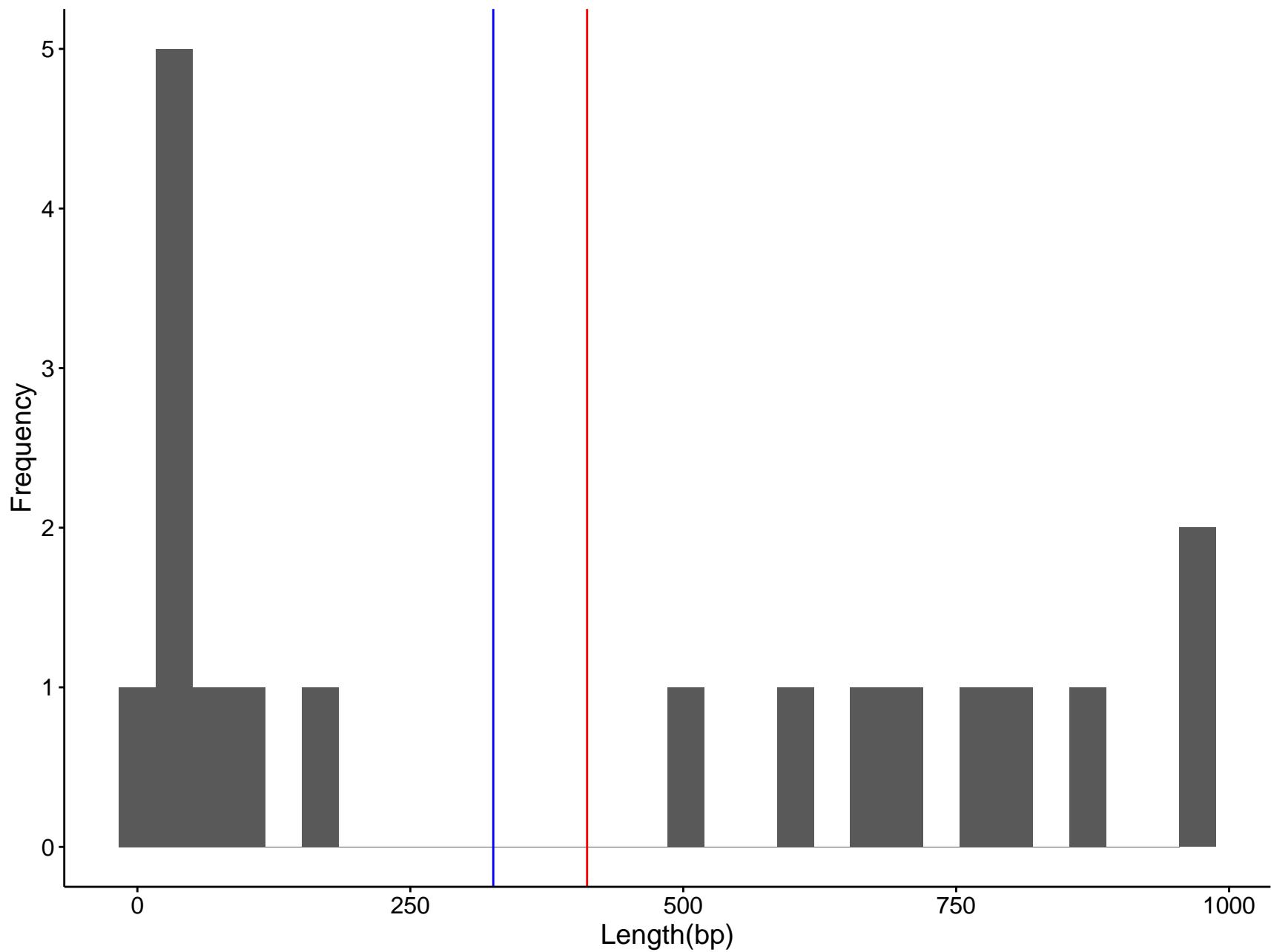
Cluster2866



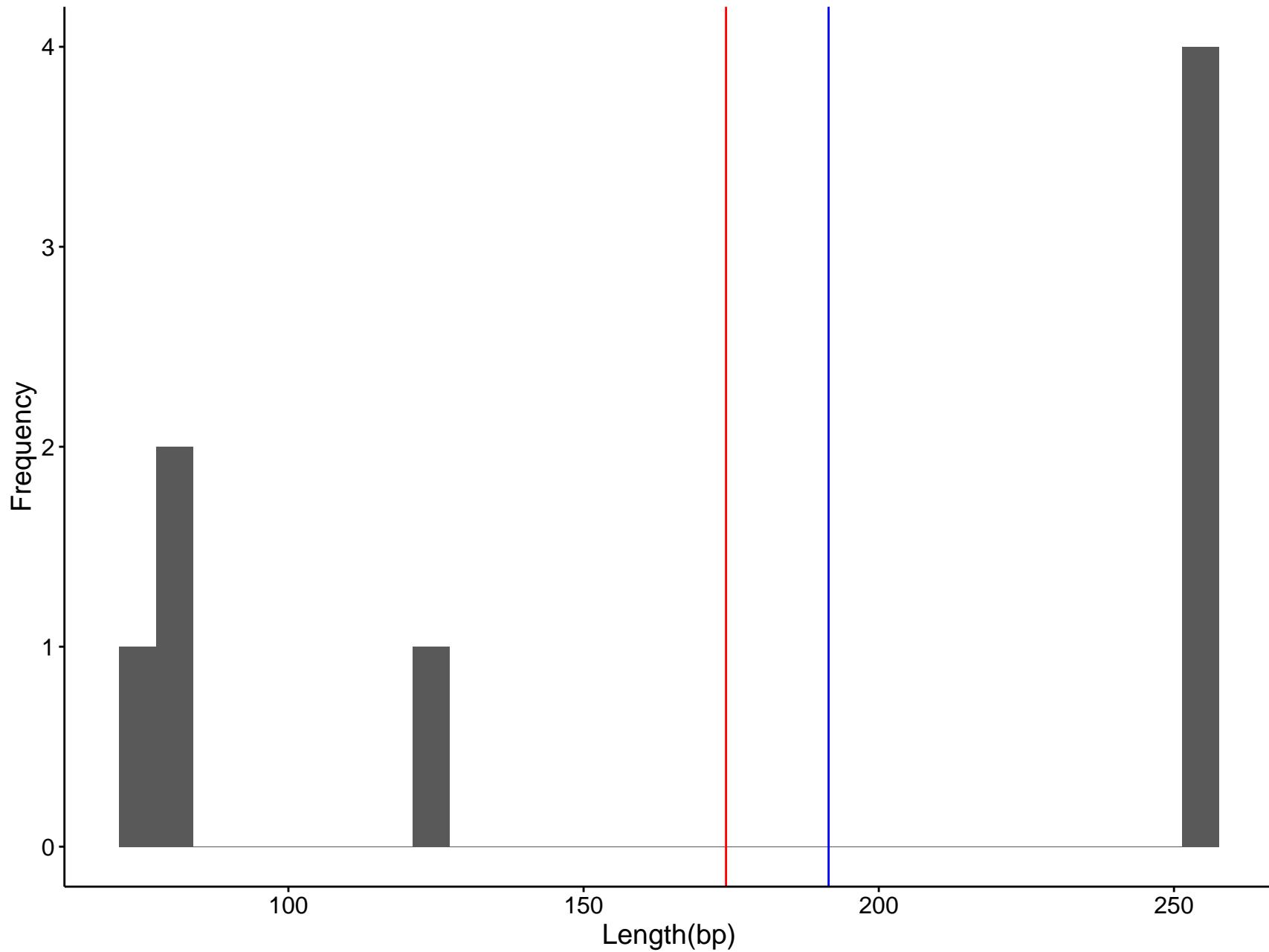
Cluster2867



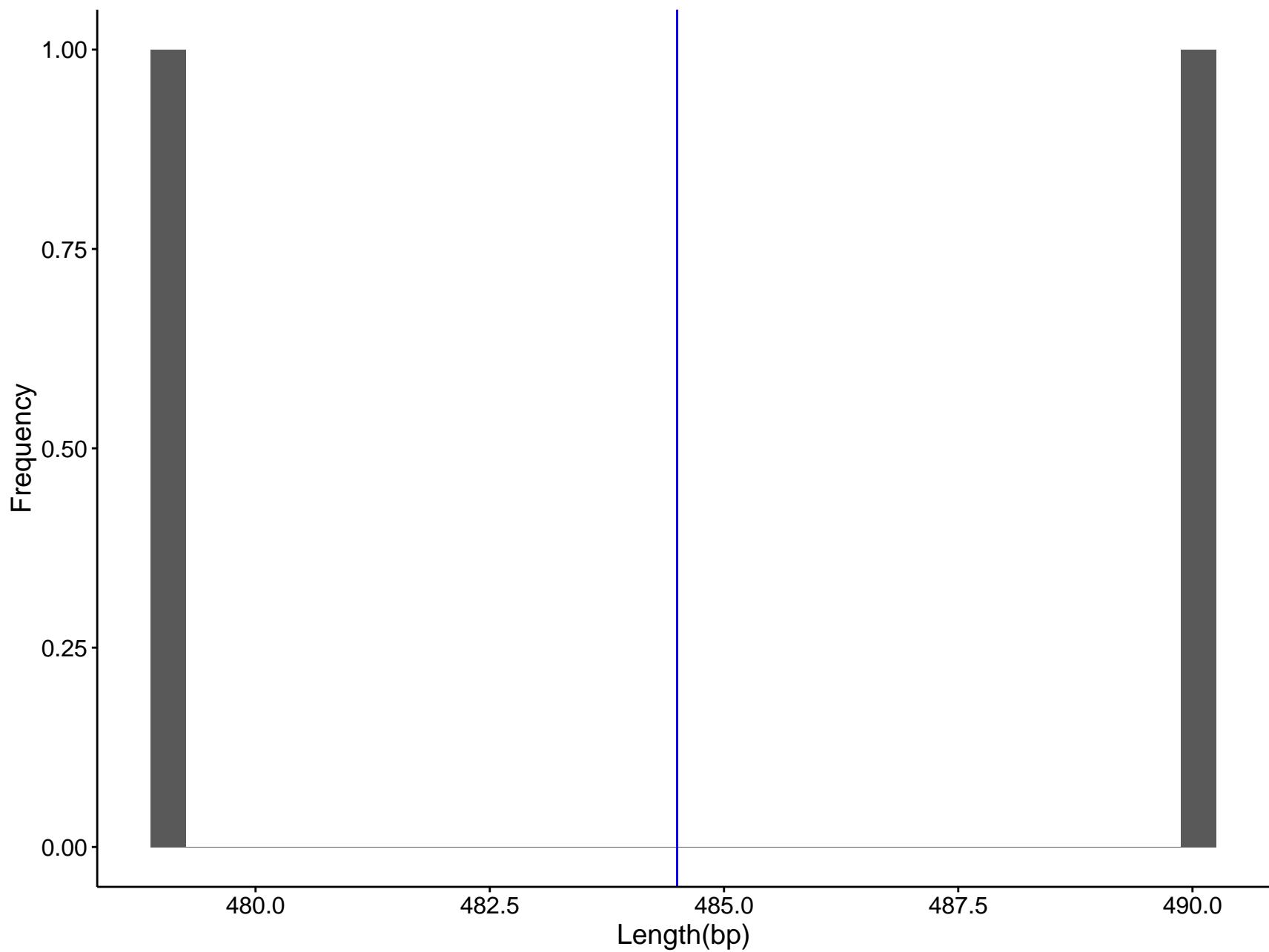
Cluster2869



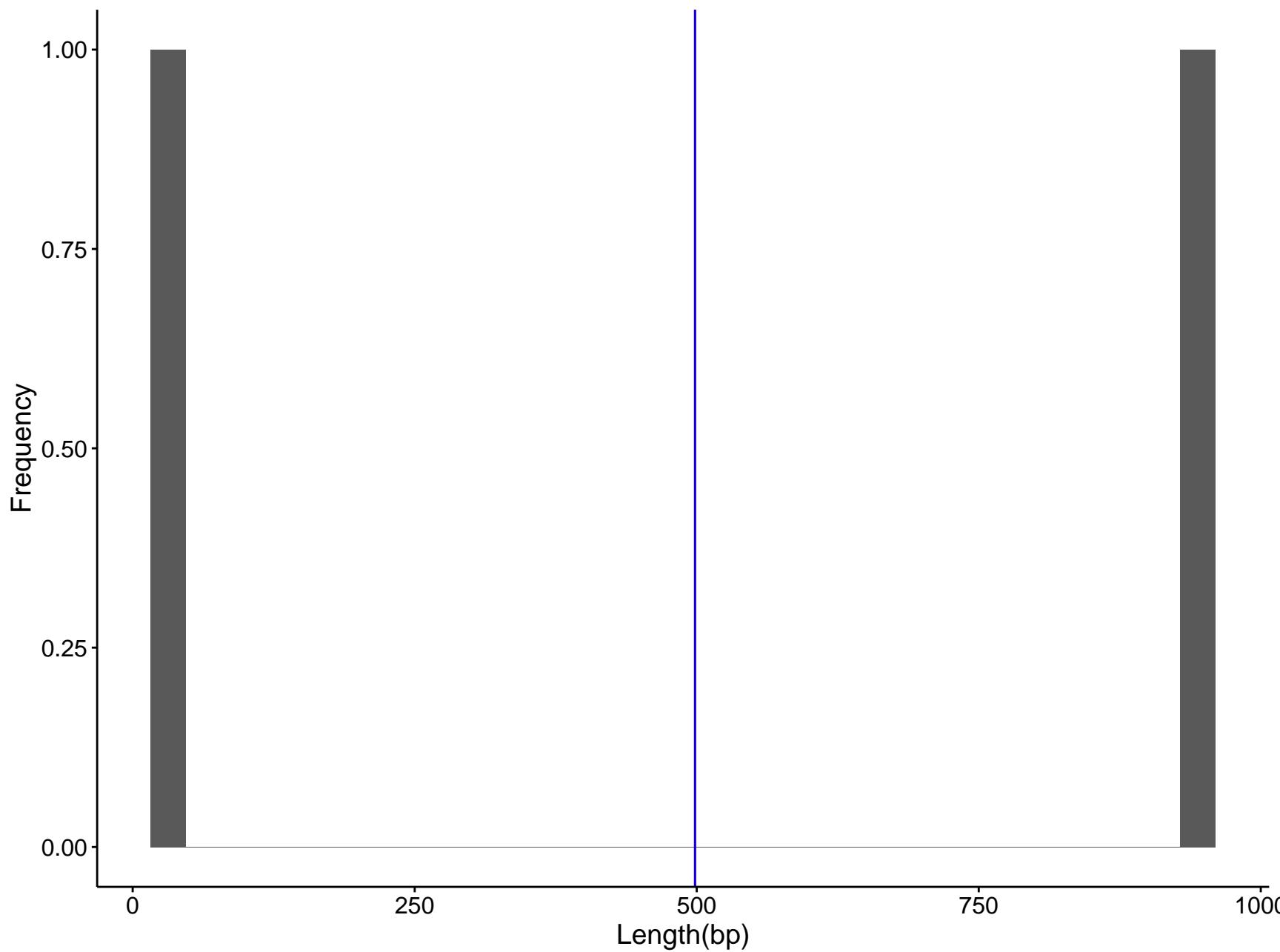
Cluster286



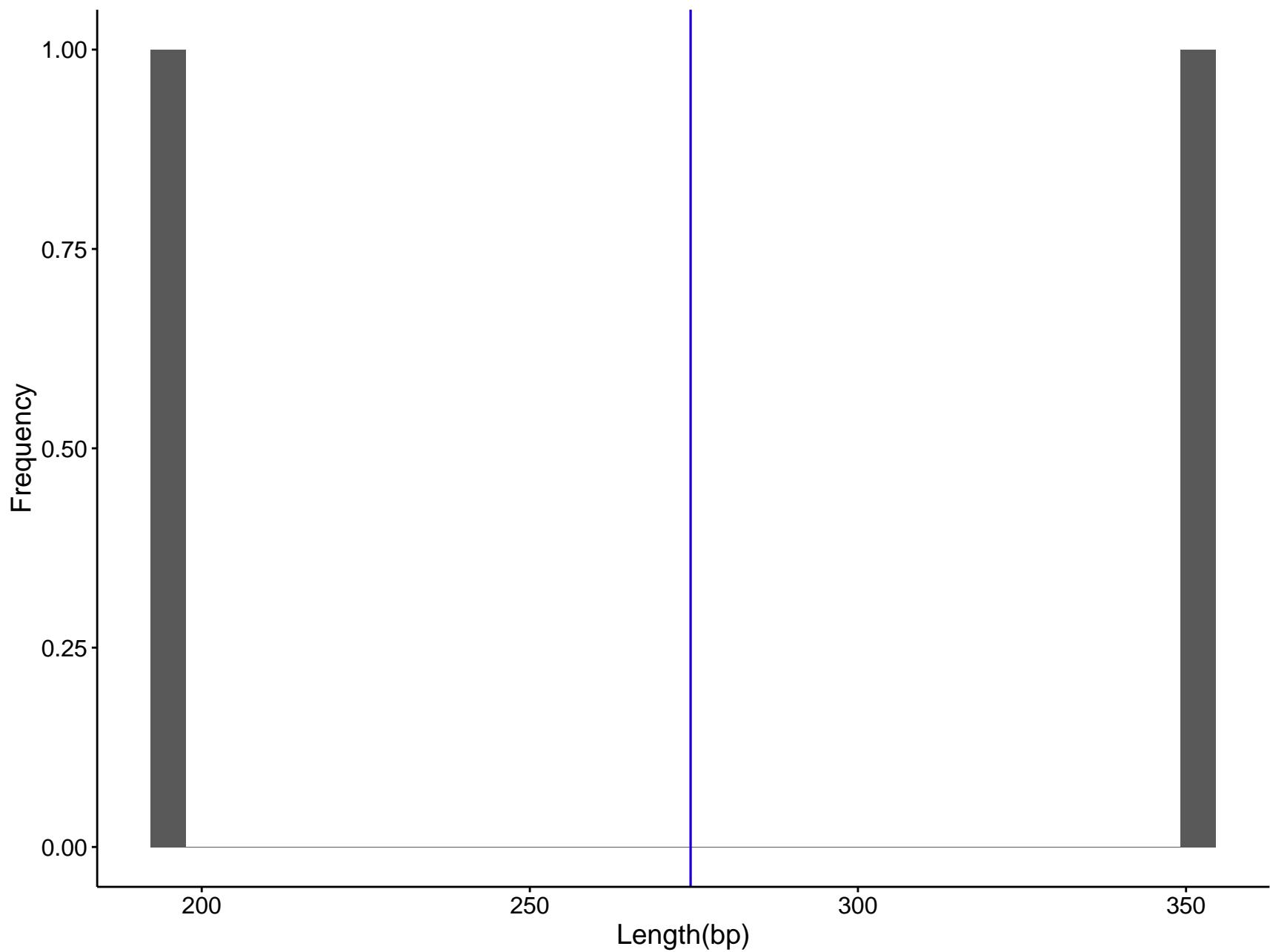
Cluster2871



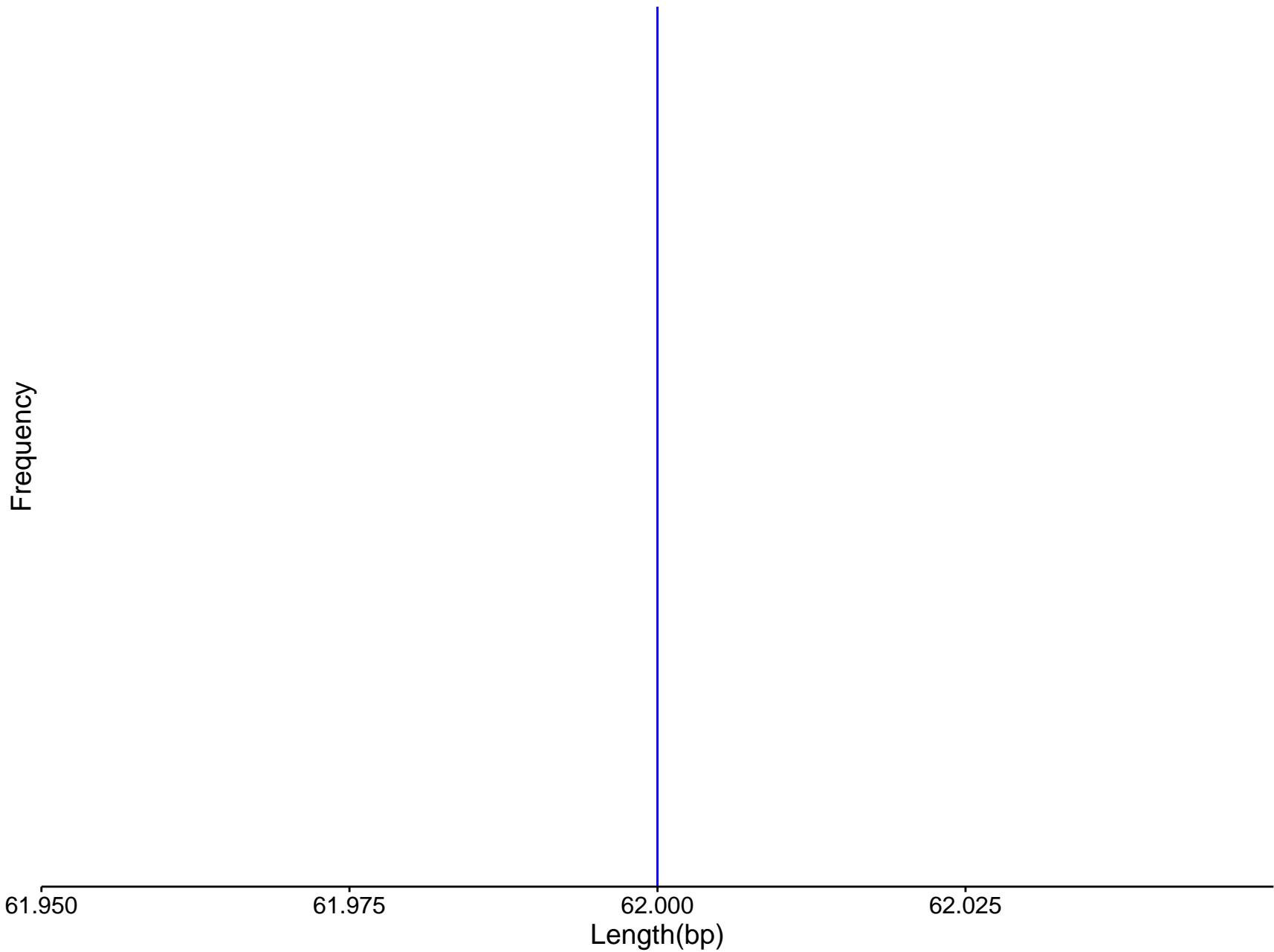
Cluster2872



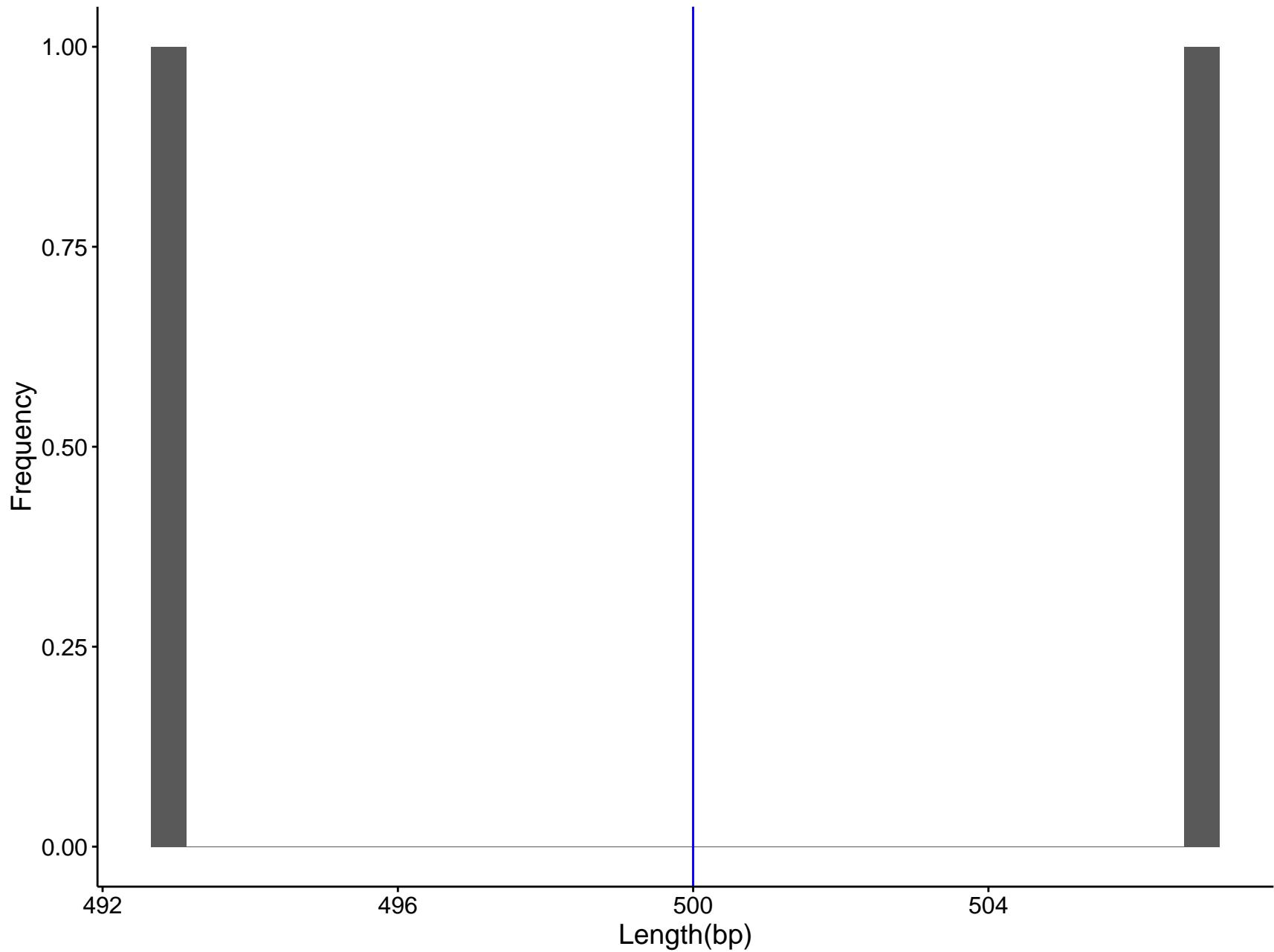
Cluster2875



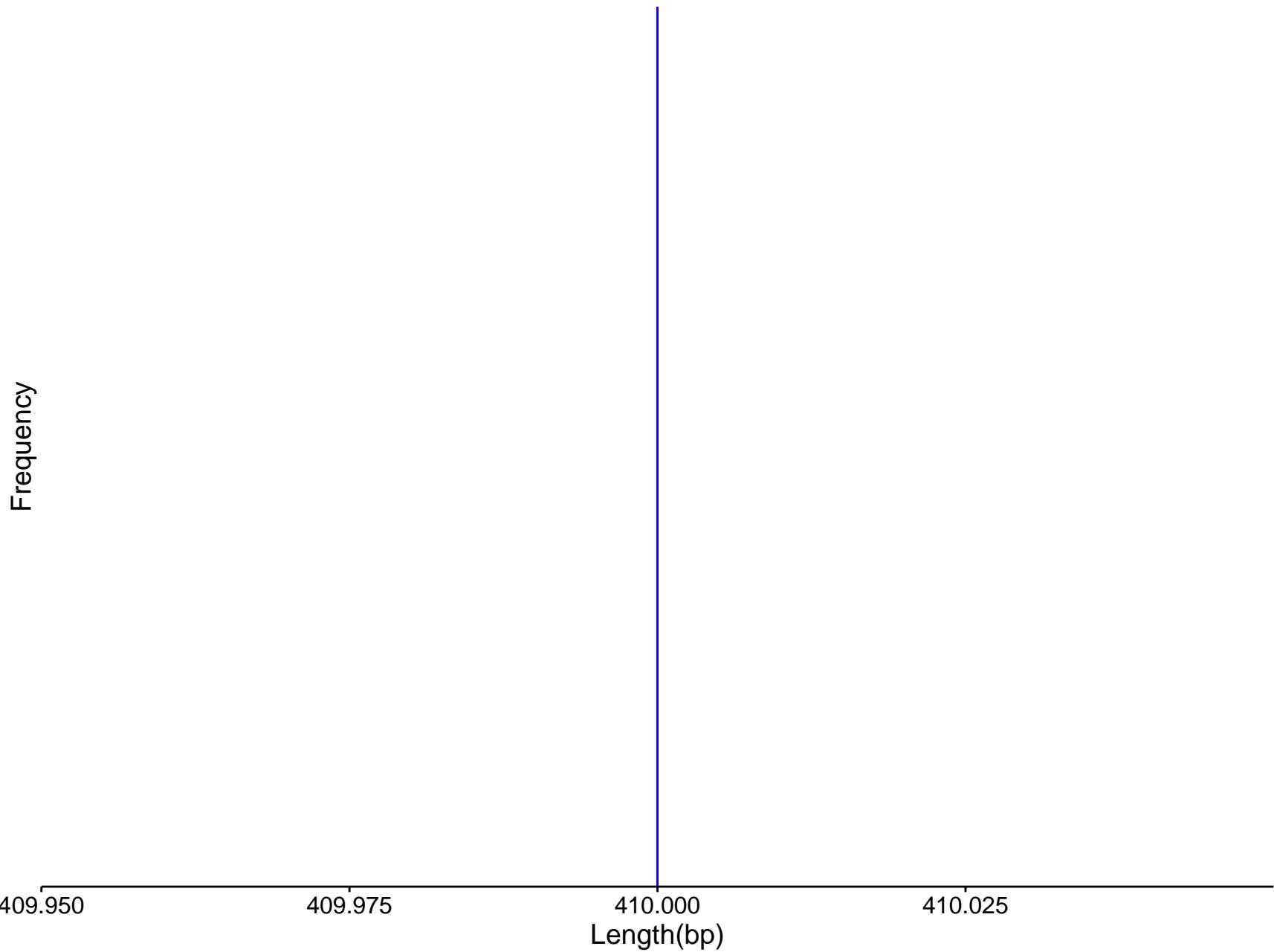
# Cluster2876



Cluster2877



# Cluster2878



# Cluster2880

Frequency

318.950

318.975

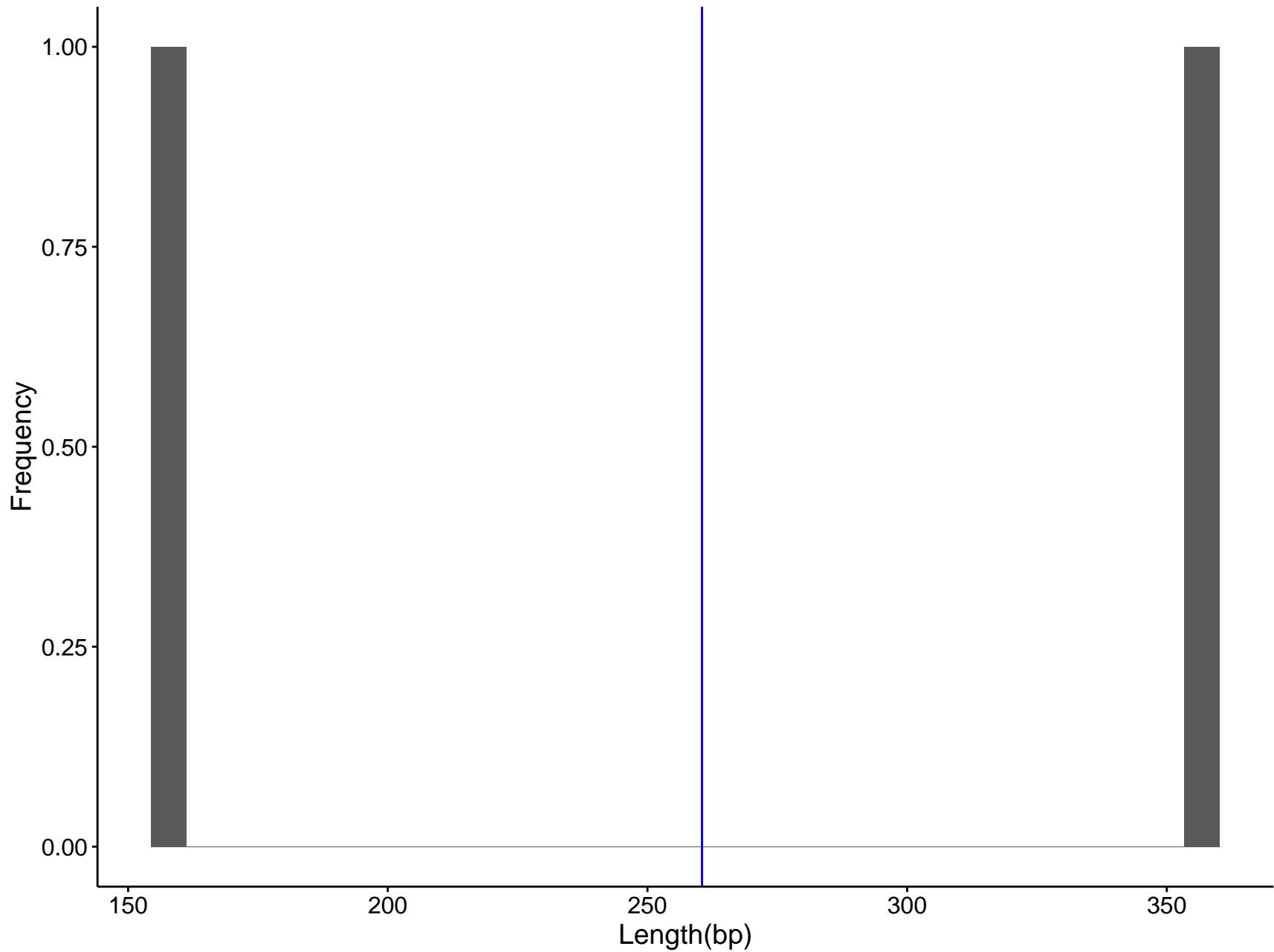
319.000

319.025

Length(bp)



Cluster2881



Cluster2883

Frequency

601.950

601.975

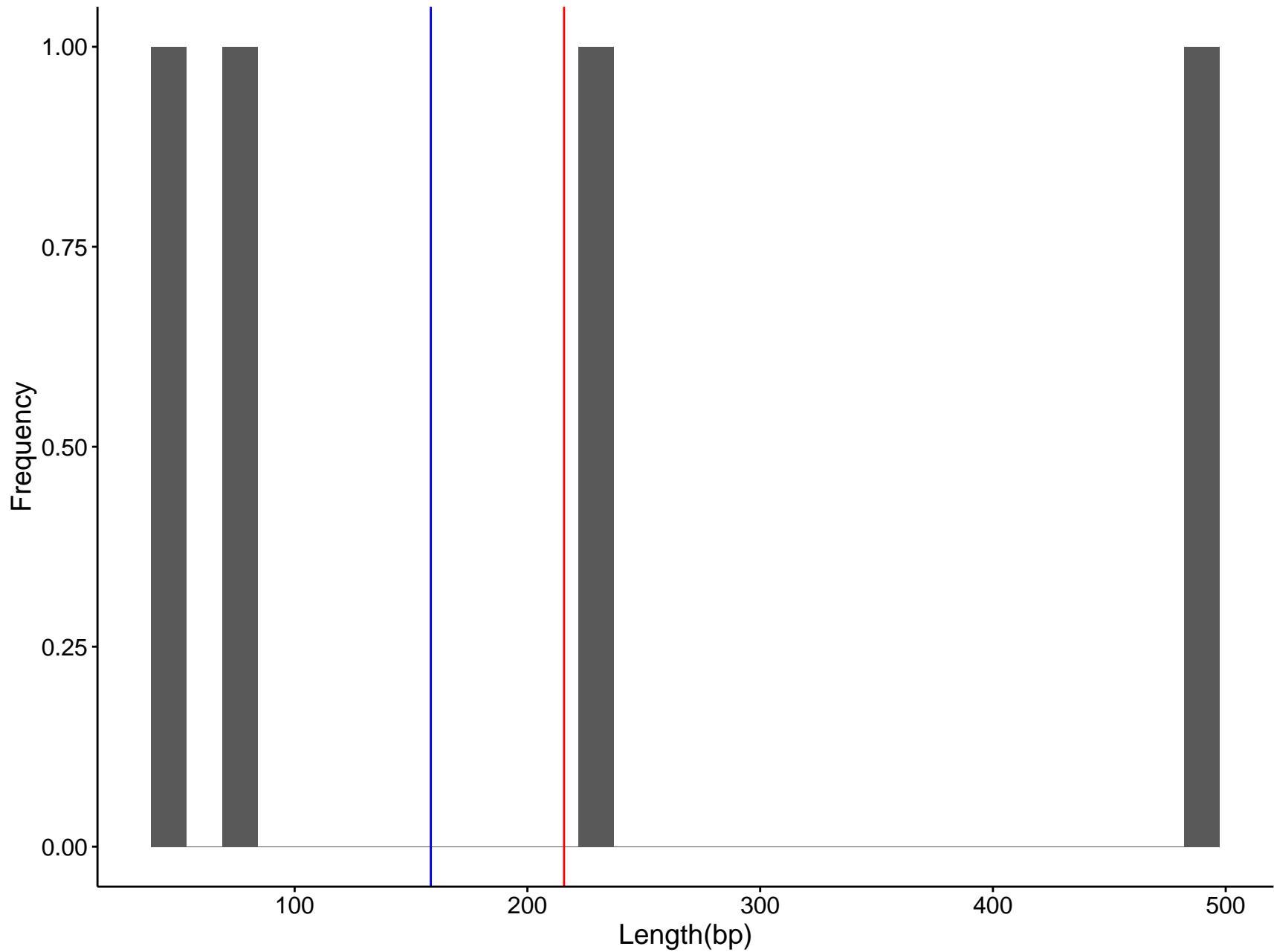
602.000

602.025

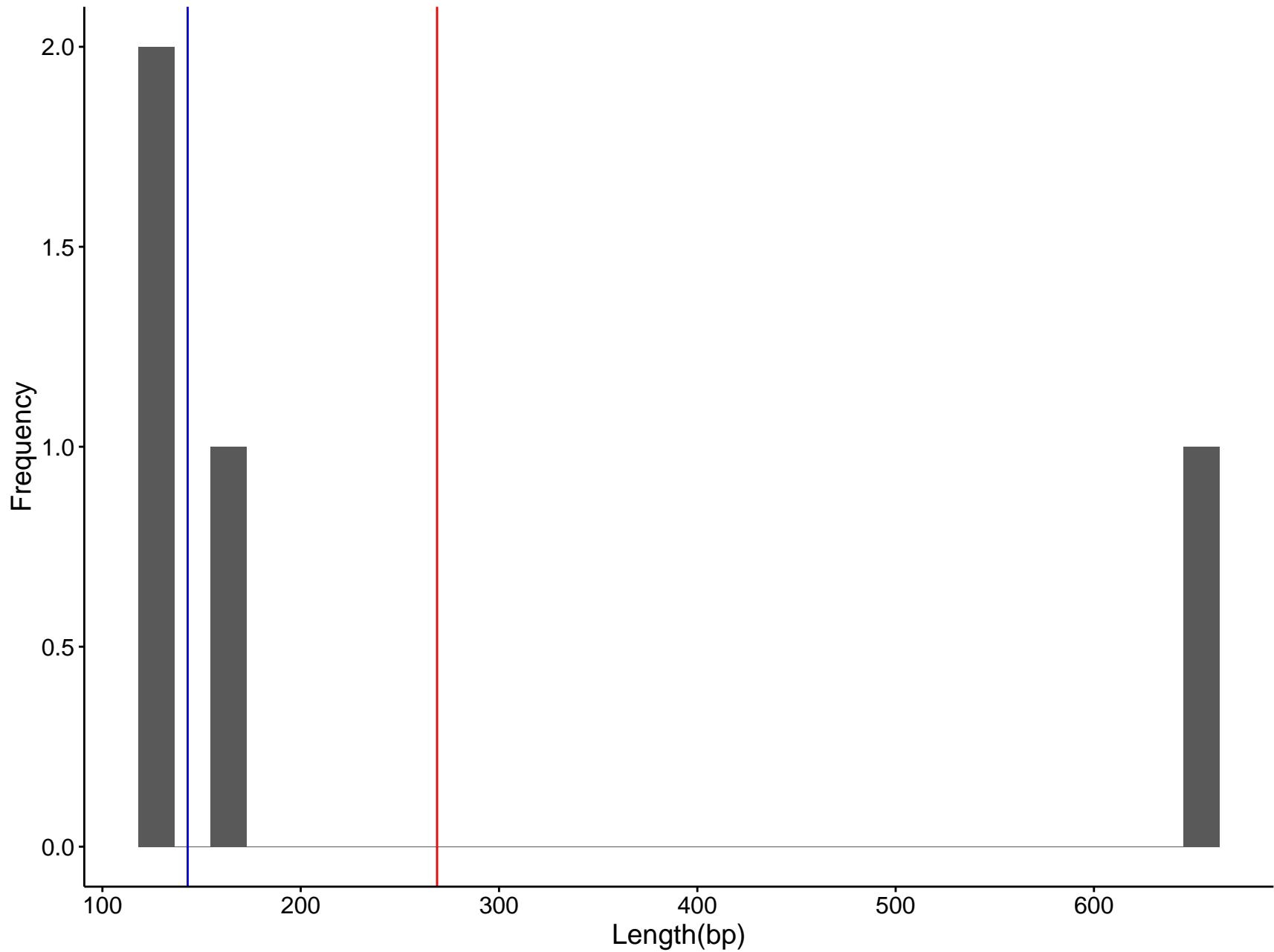
Length(bp)



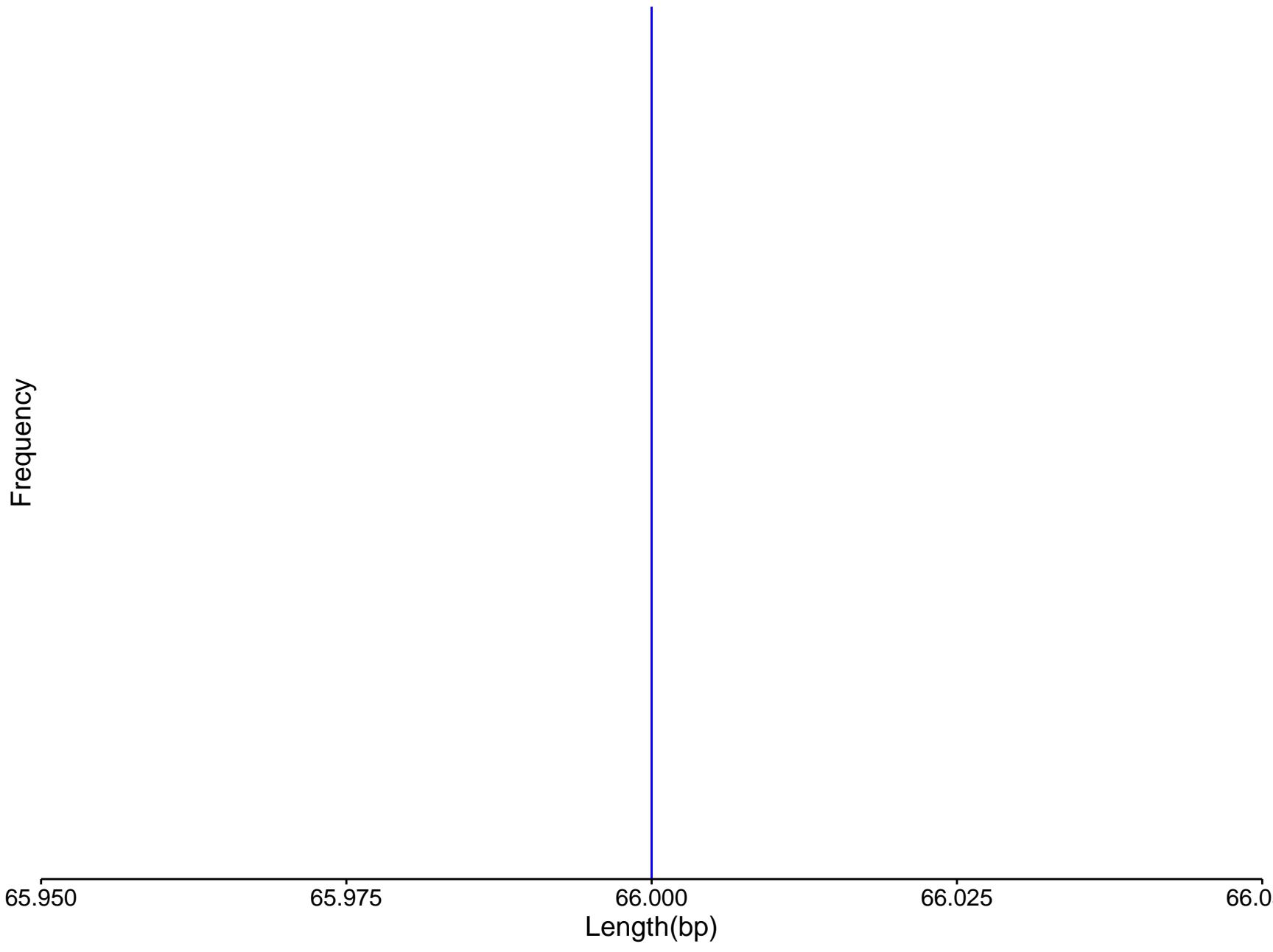
Cluster2886



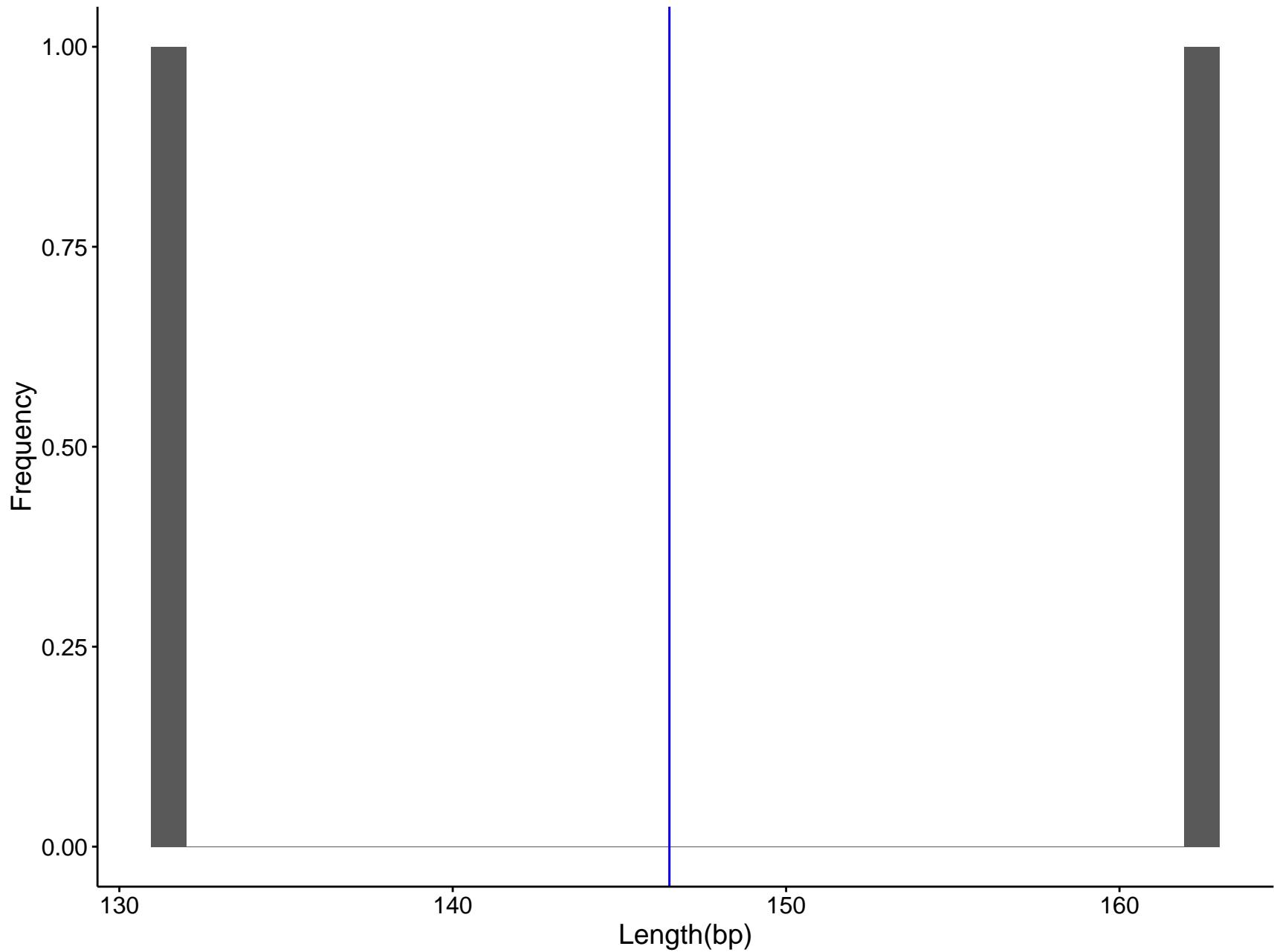
Cluster2888



# Cluster2889



Cluster288



Cluster2890

Frequency

204.950

204.975

205.000

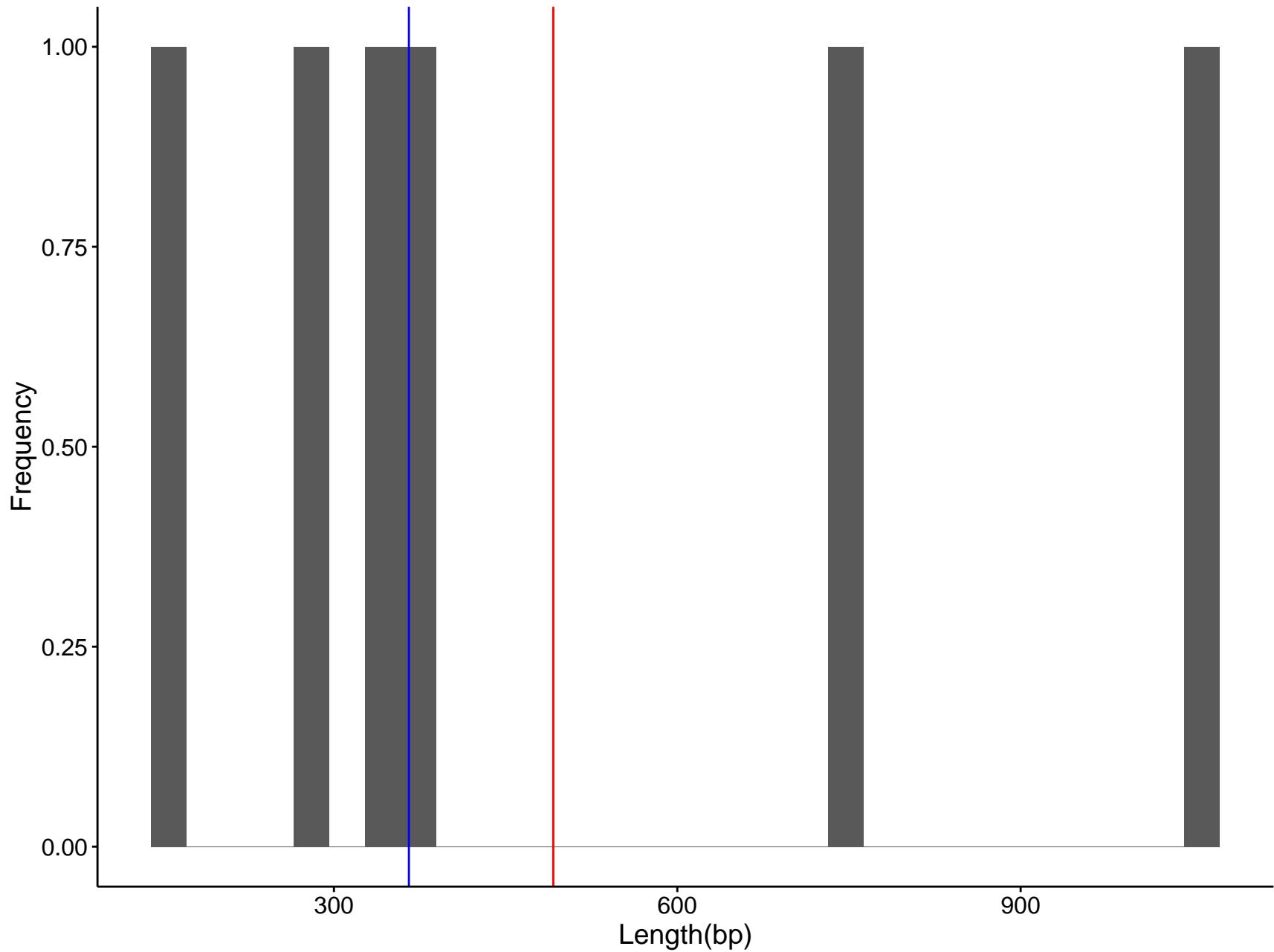
205.025

205.050

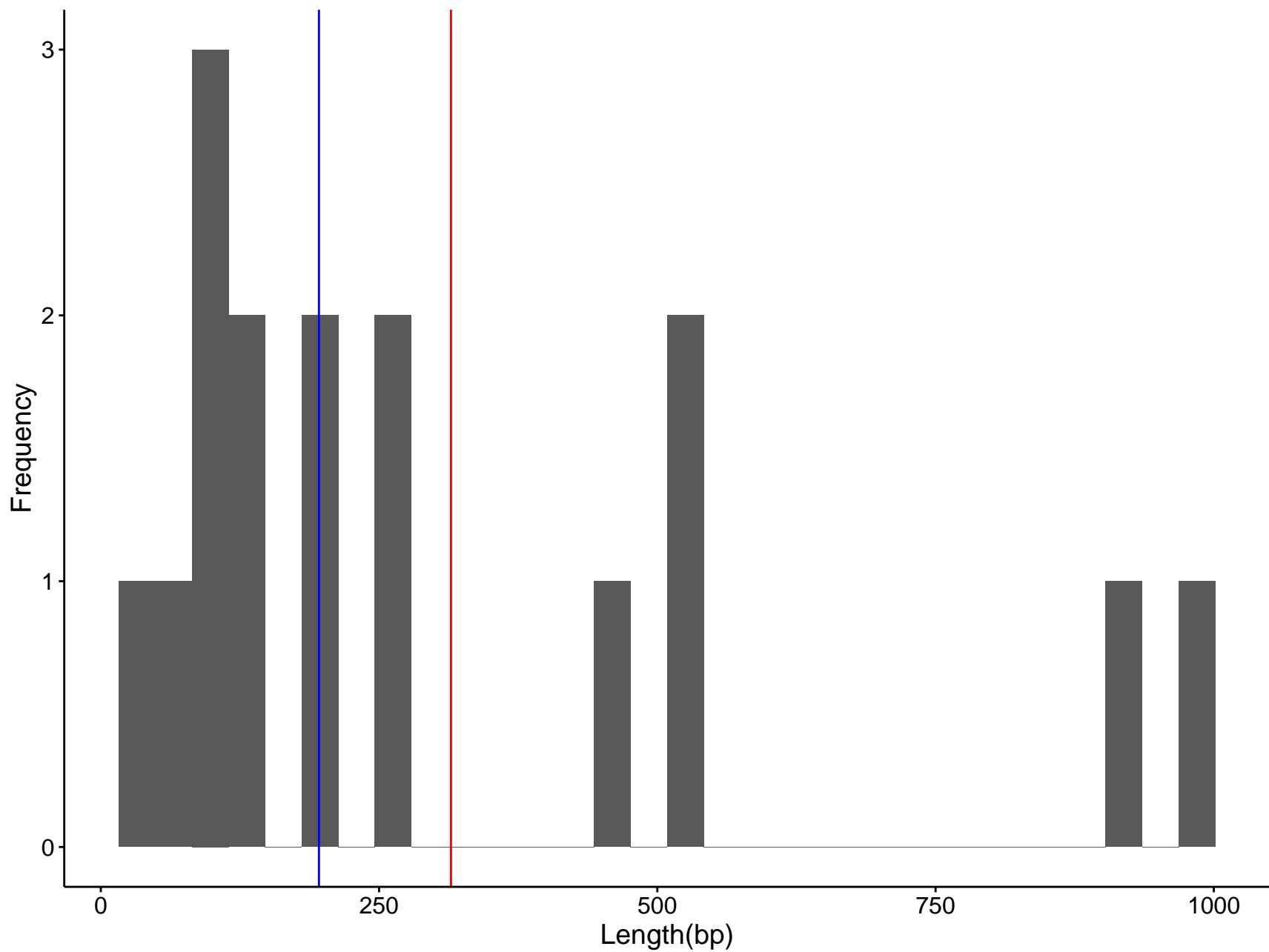
Length(bp)



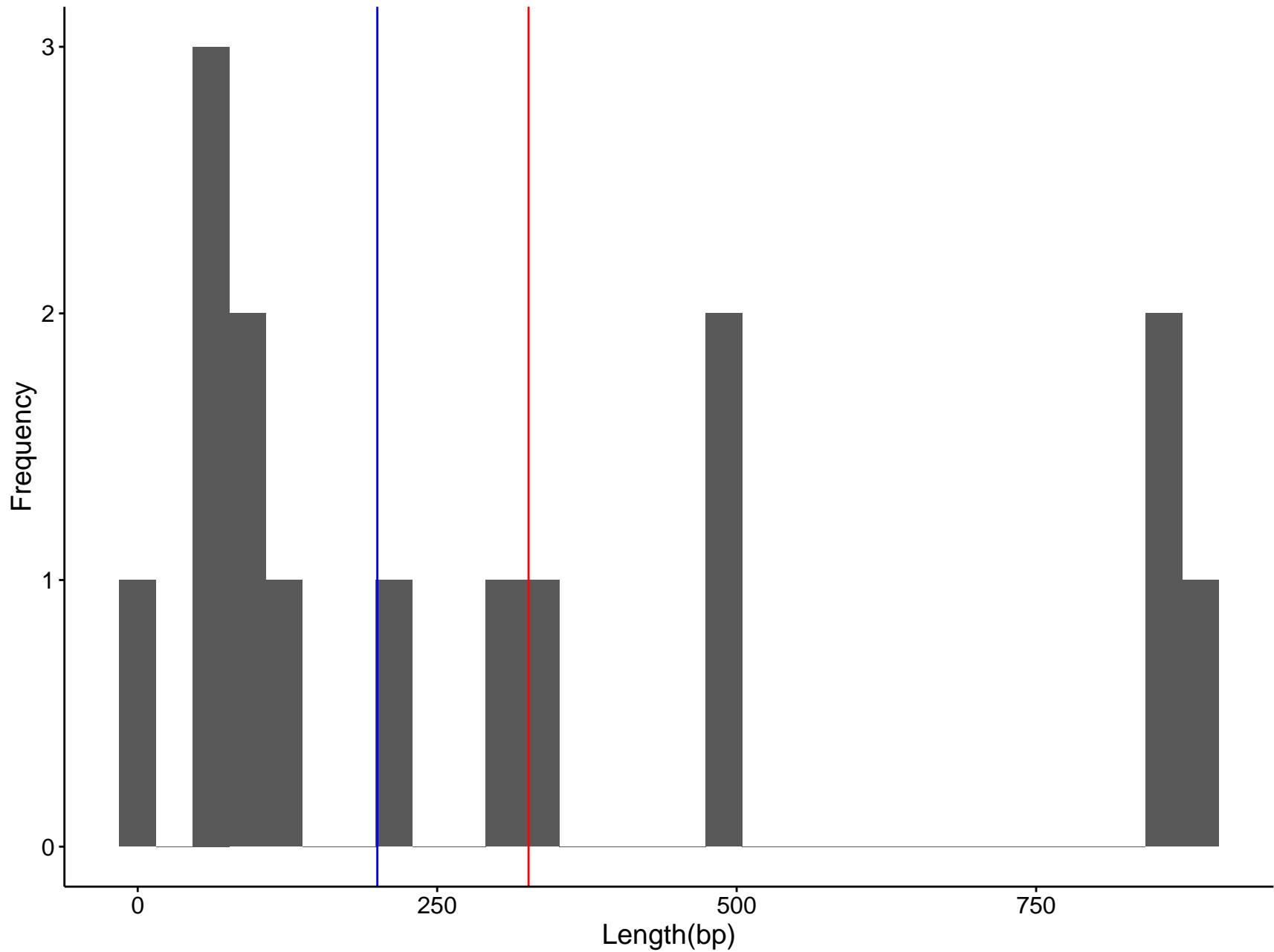
Cluster2892



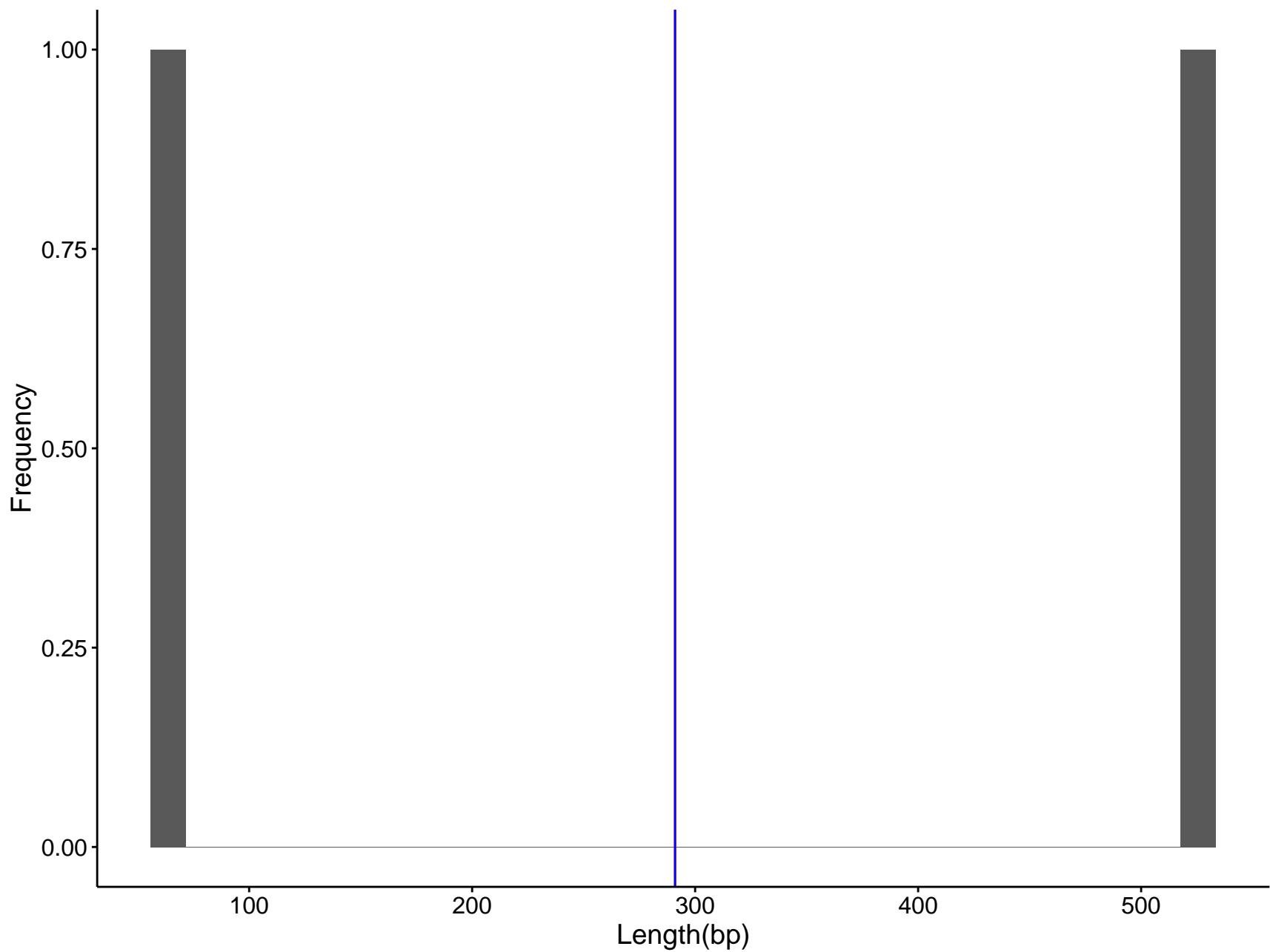
Cluster2893



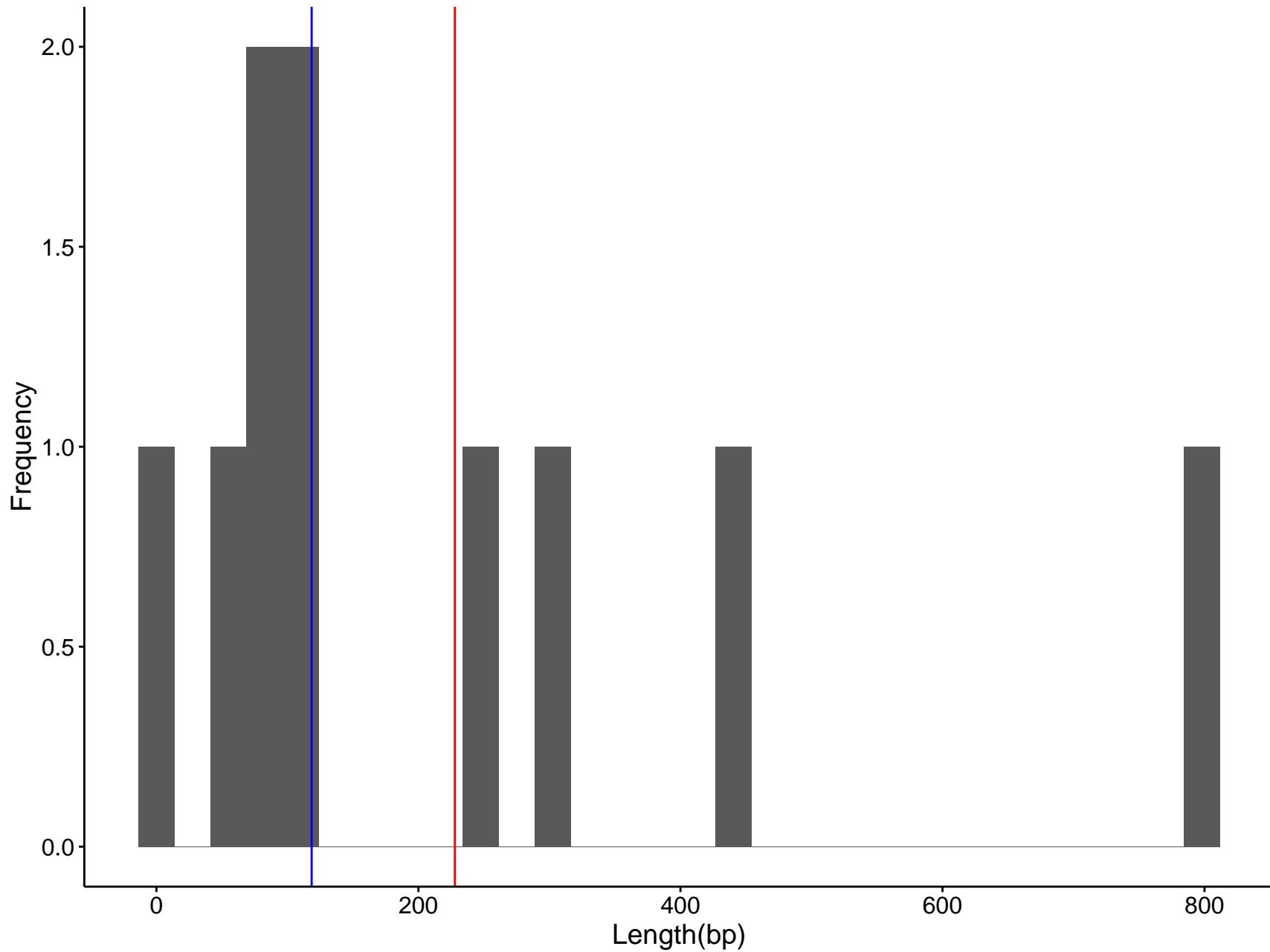
Cluster2895



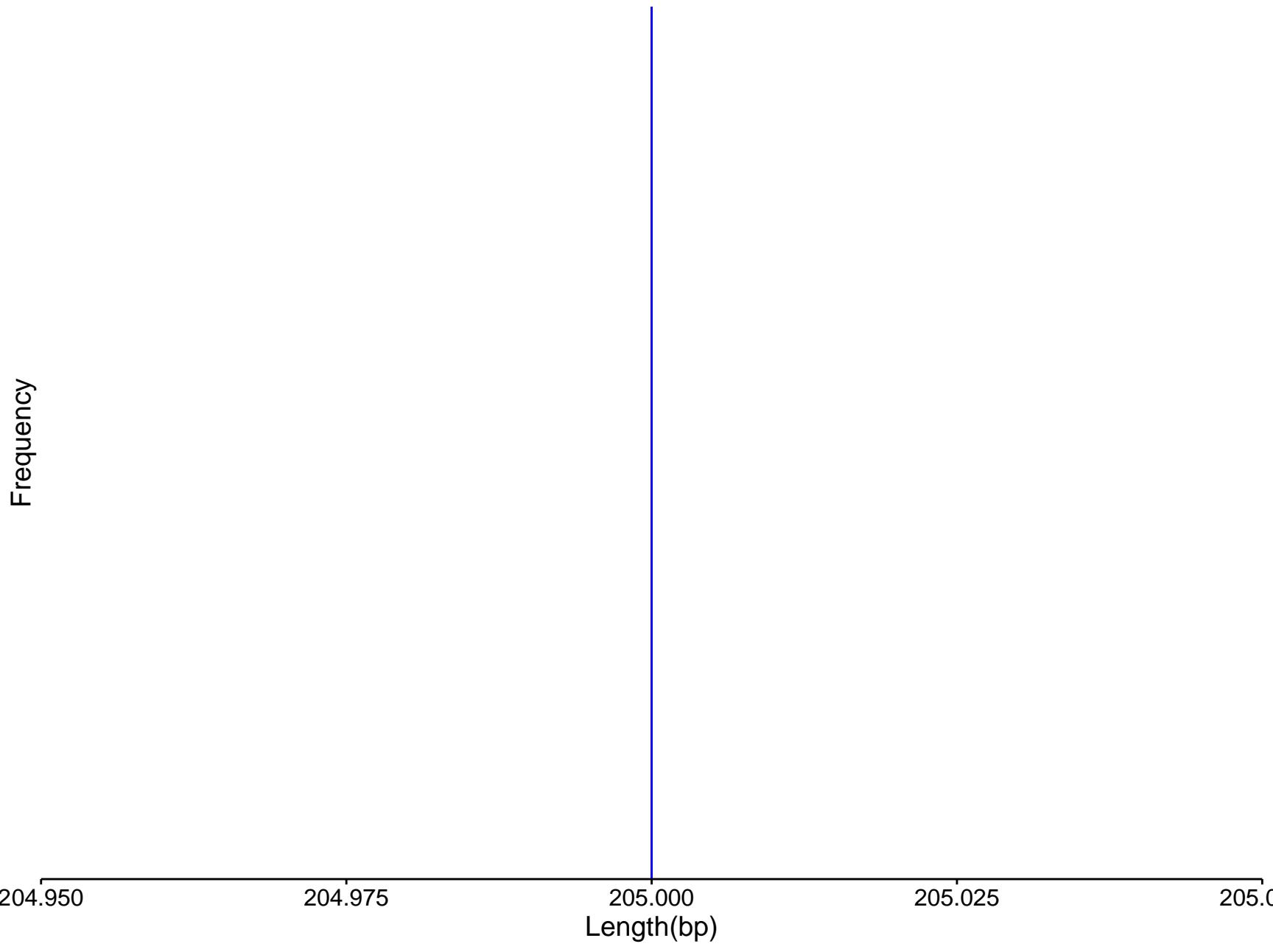
Cluster2896



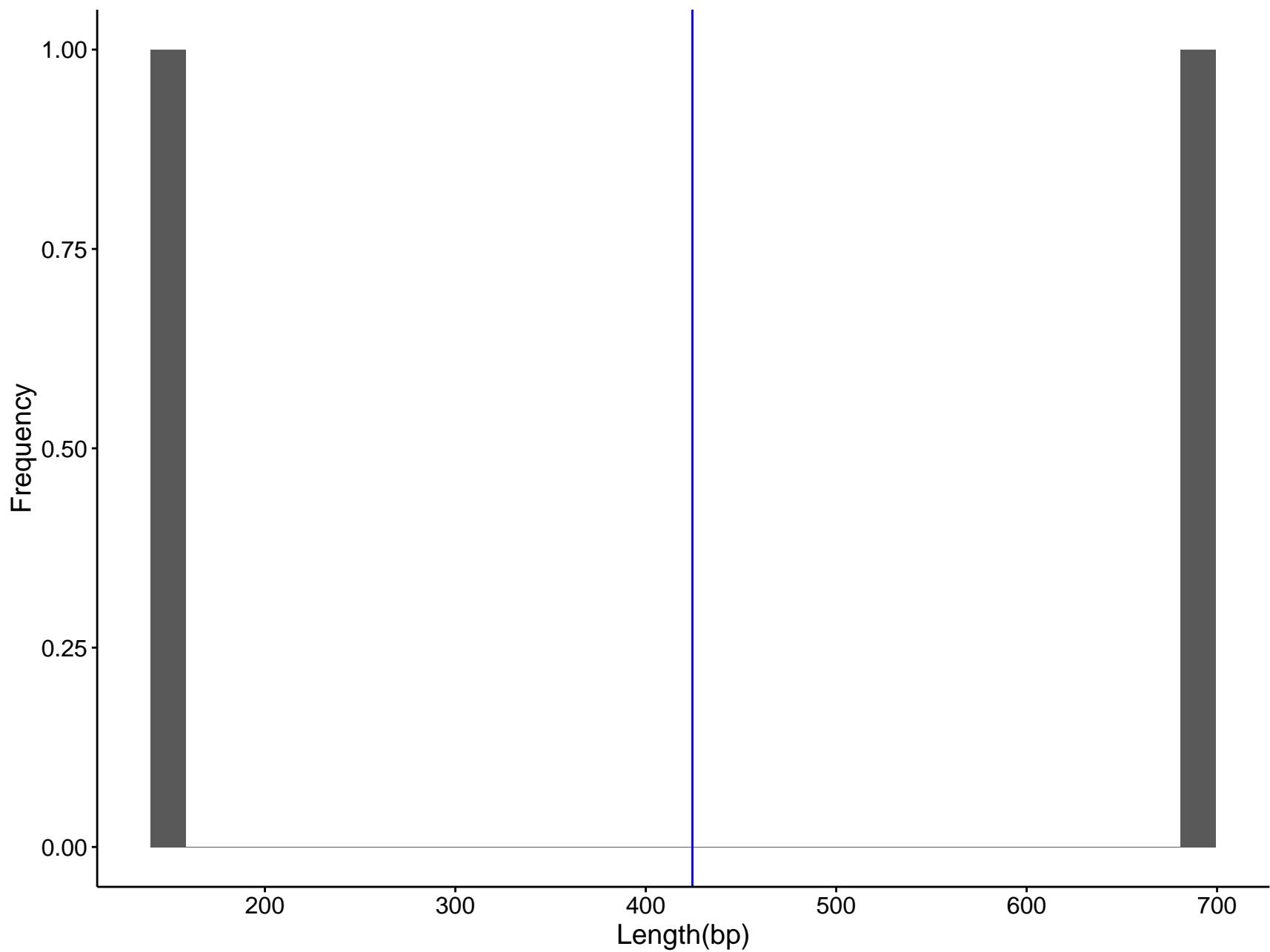
Cluster2897



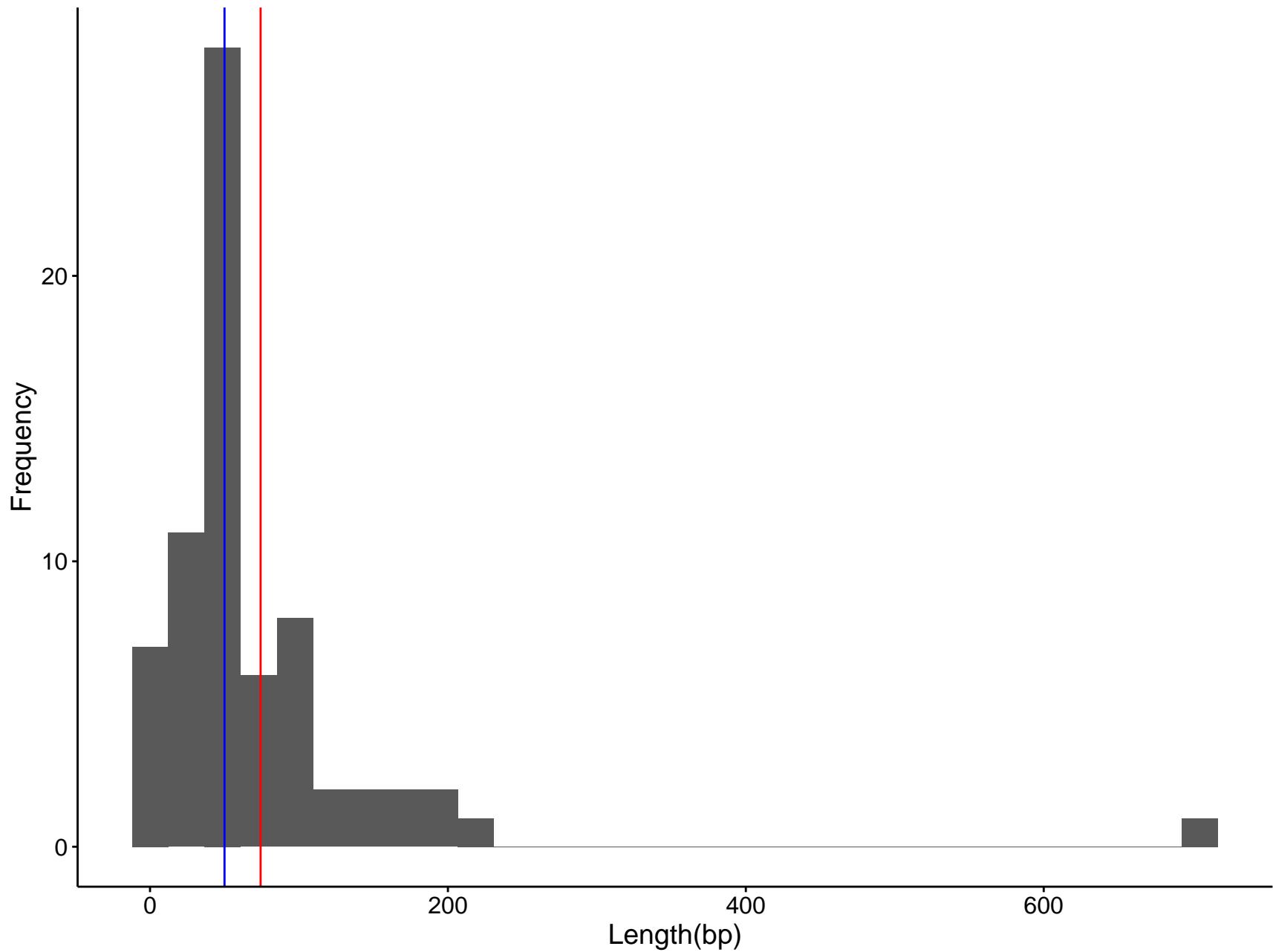
Cluster2898



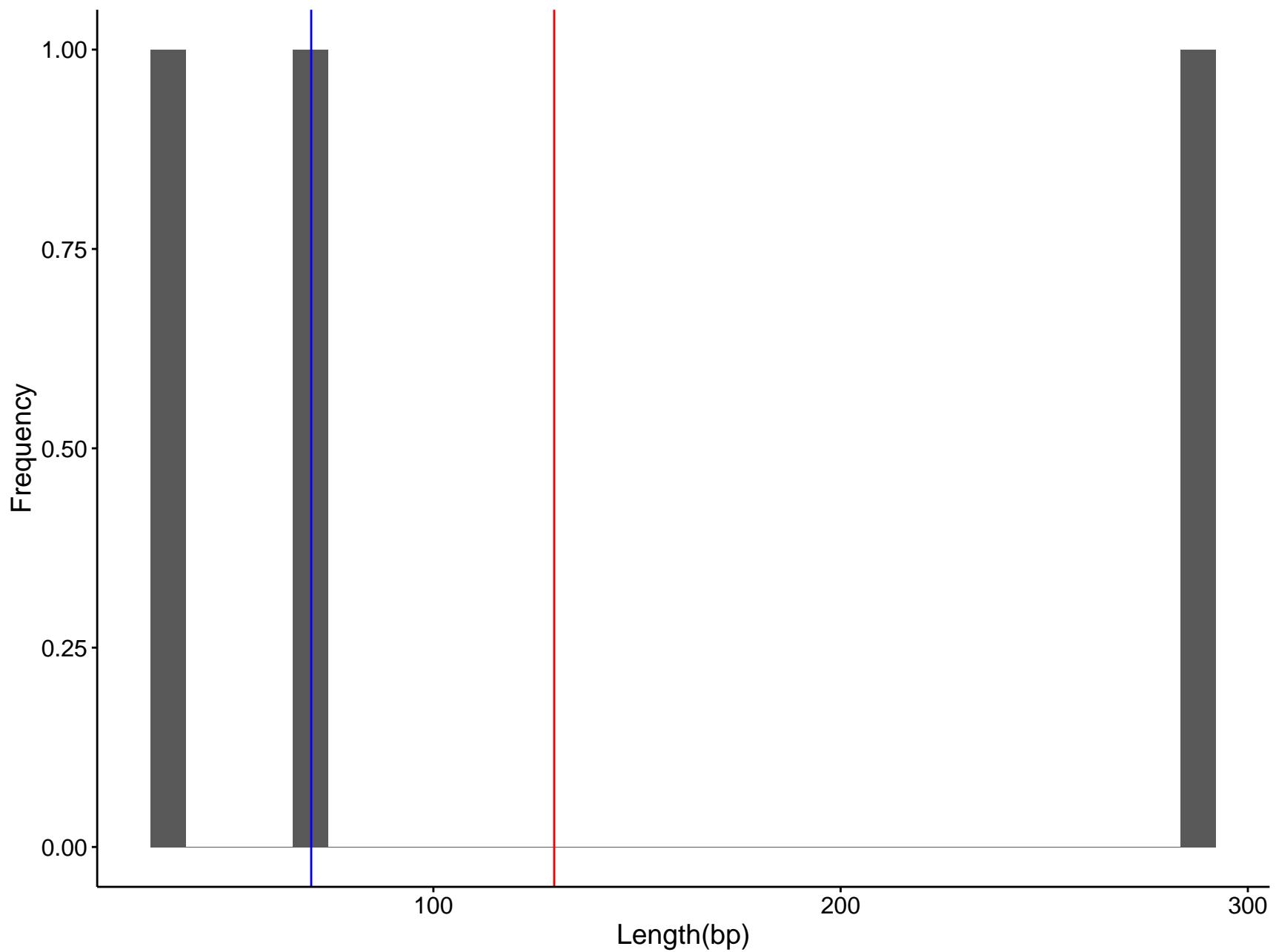
Cluster2899



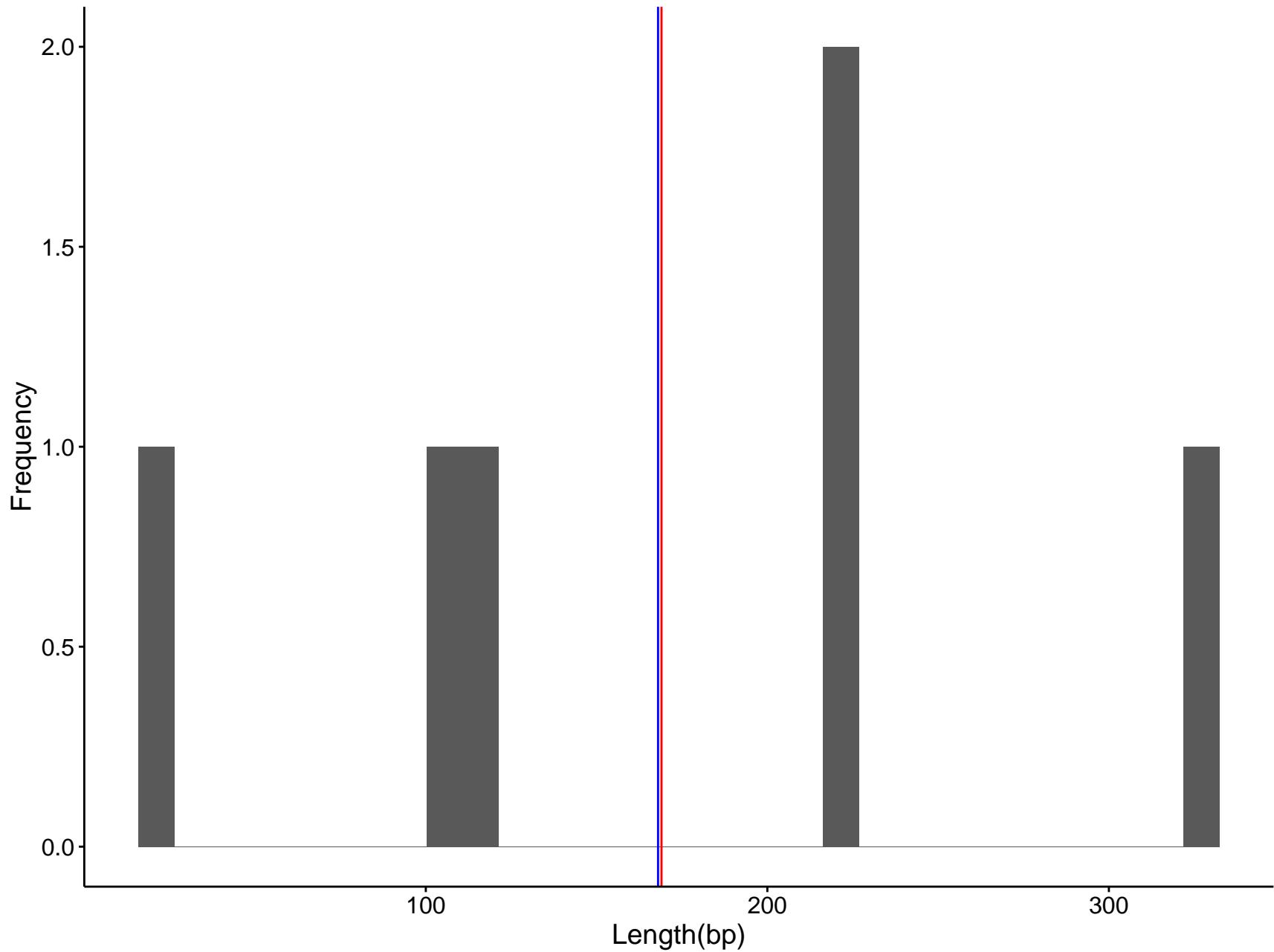
Cluster2900



Cluster2901



Cluster2902



Cluster2903

Frequency

1319.950

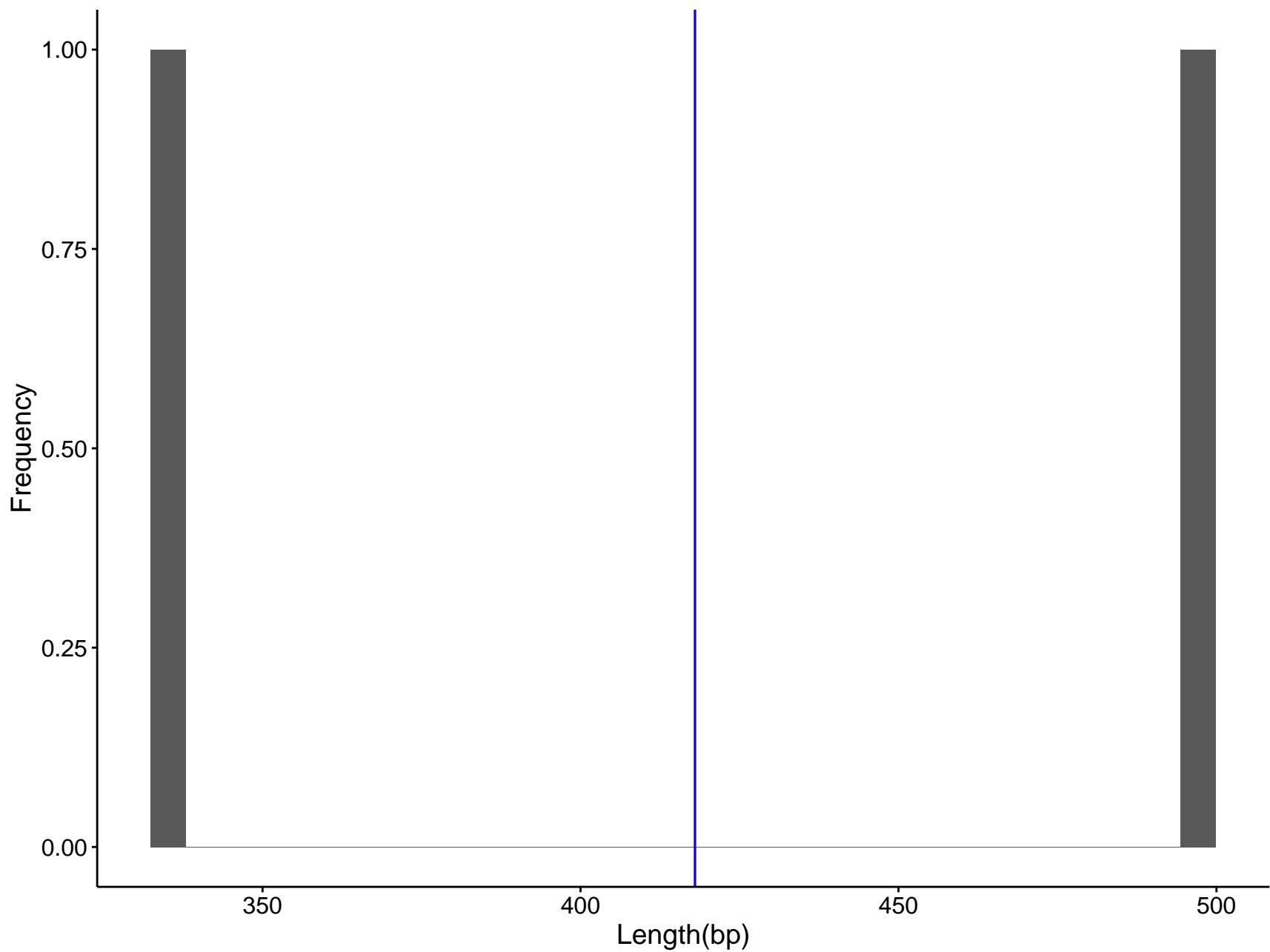
1319.975

1320.000  
Length(bp)

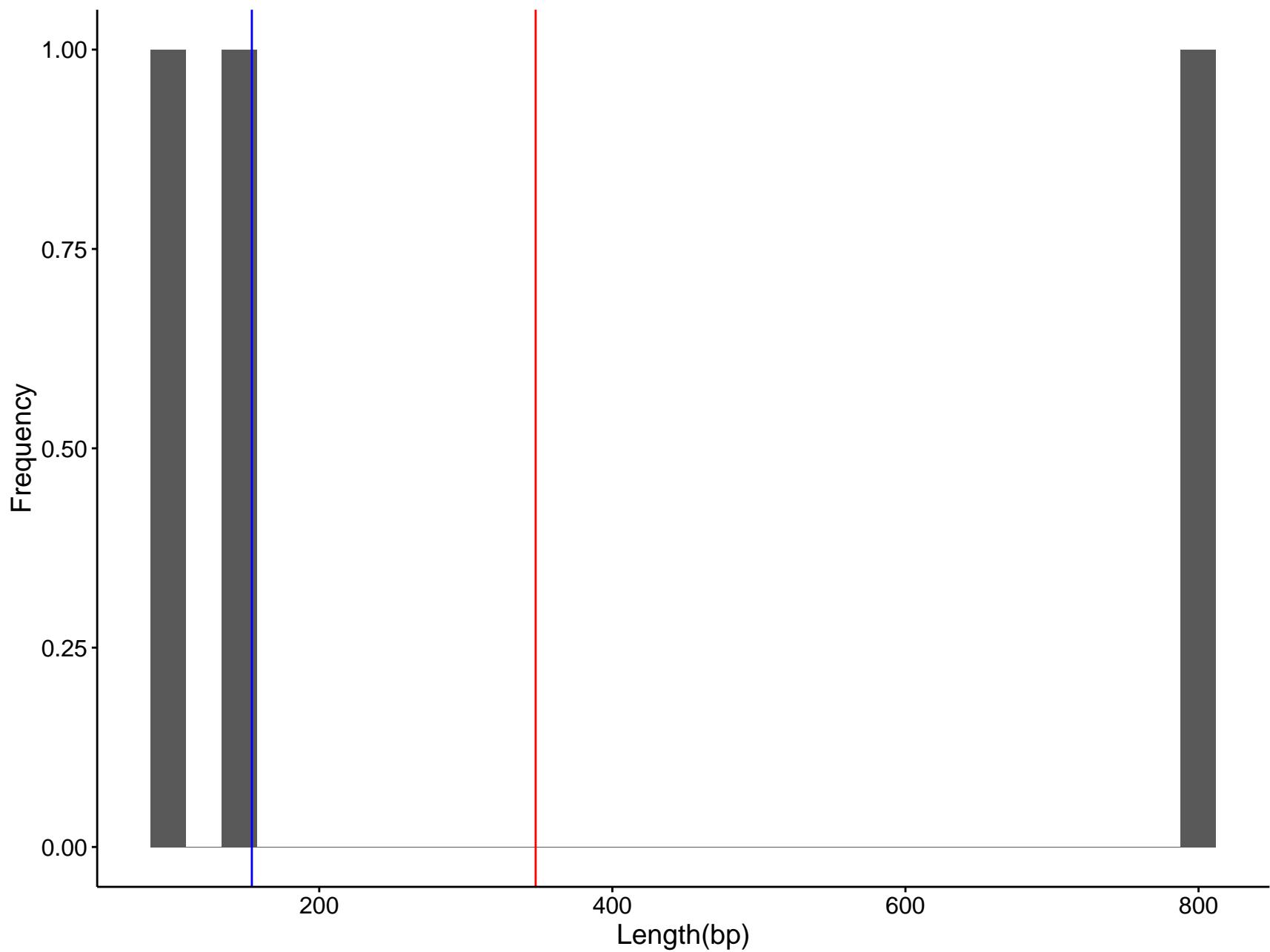
1320.025

1320.

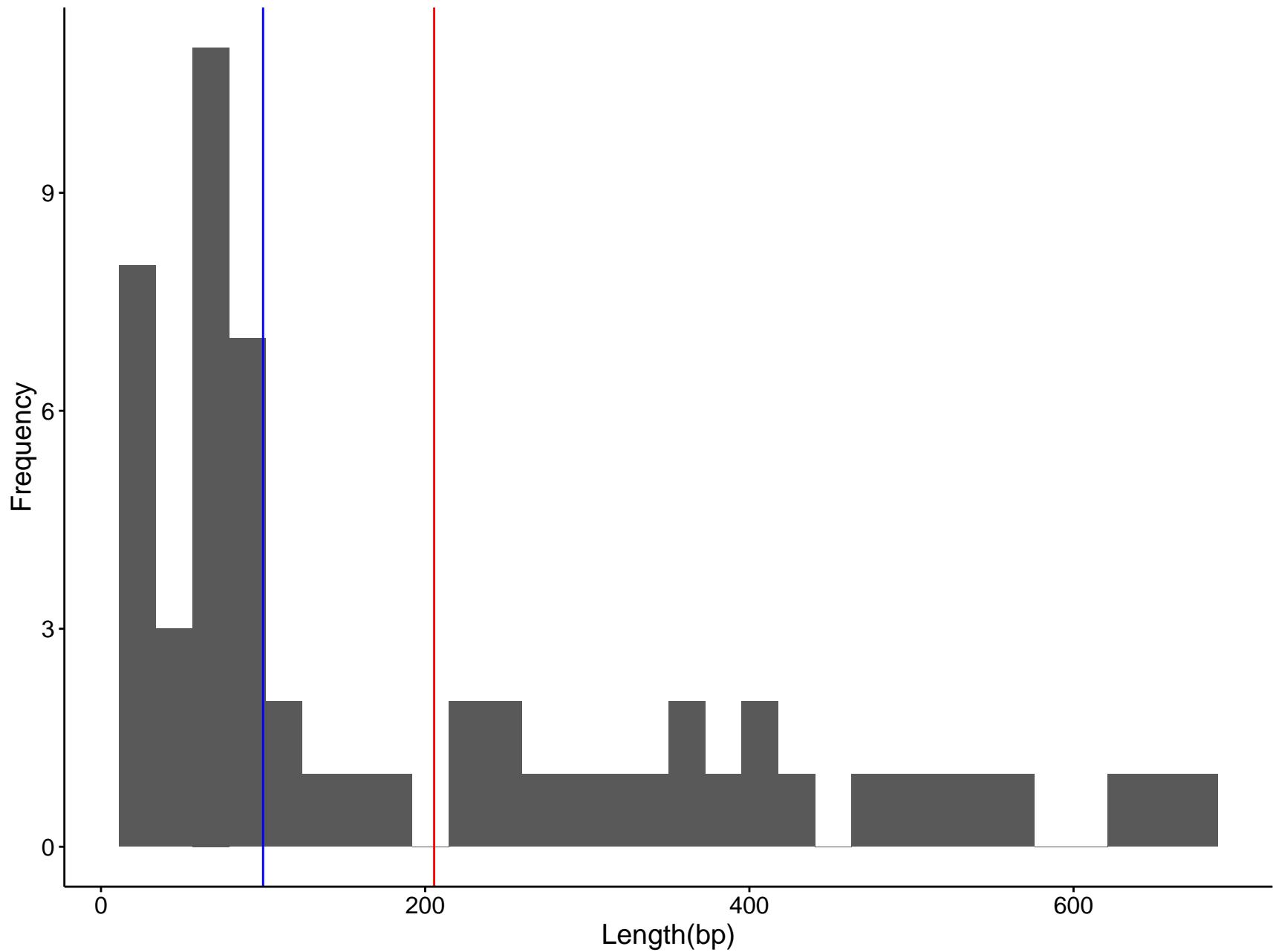
Cluster2904



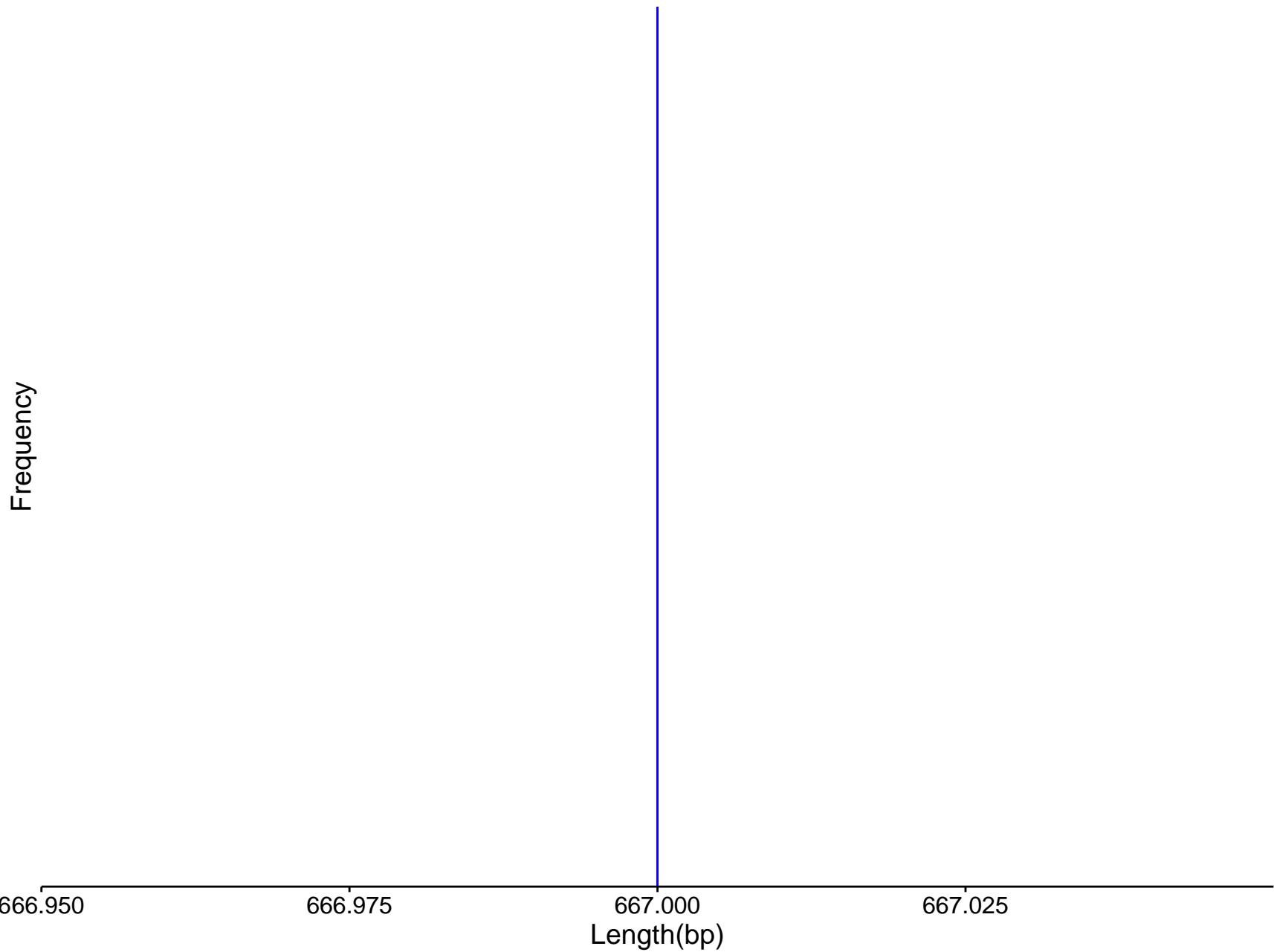
Cluster2905



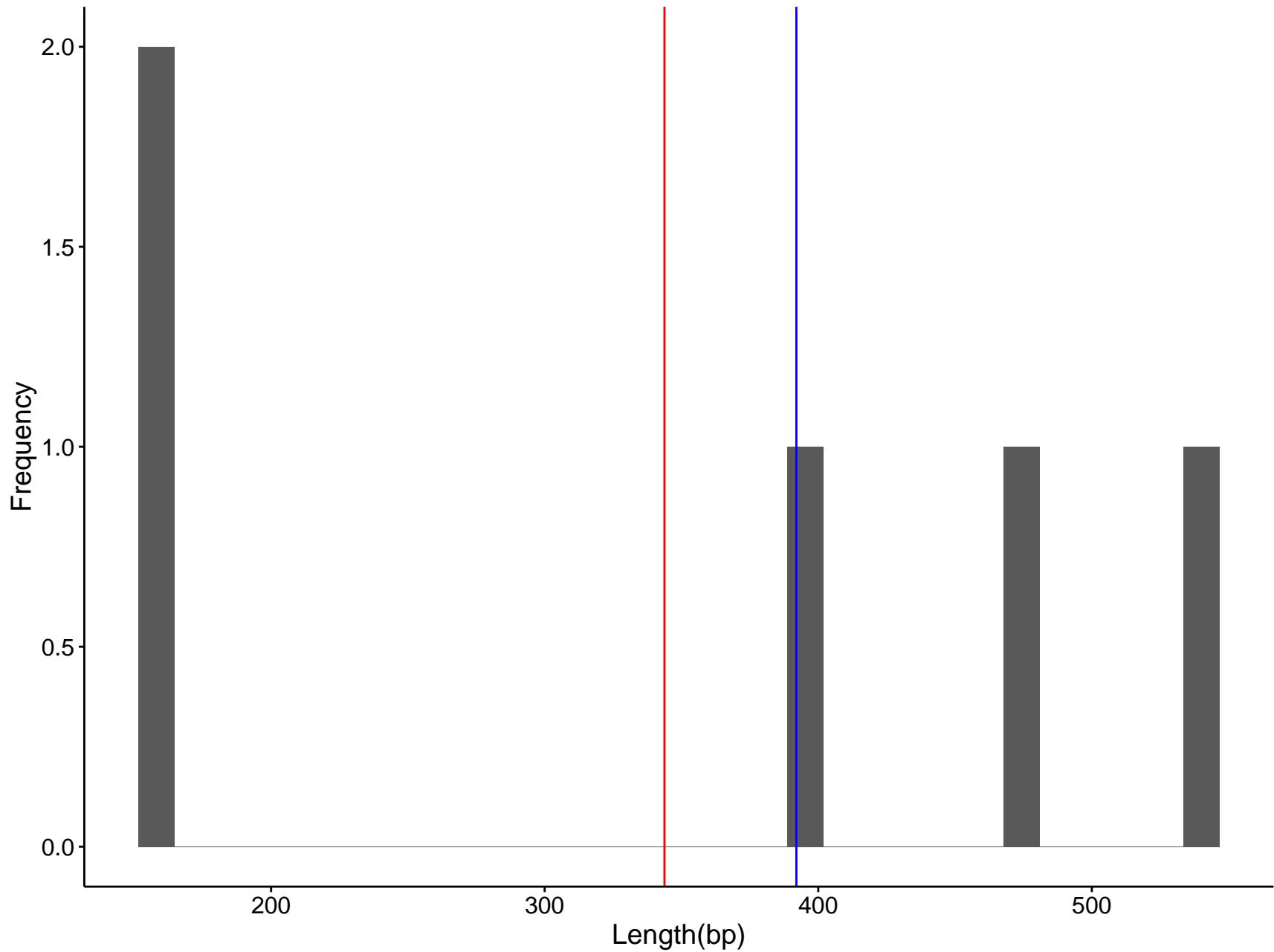
Cluster2906



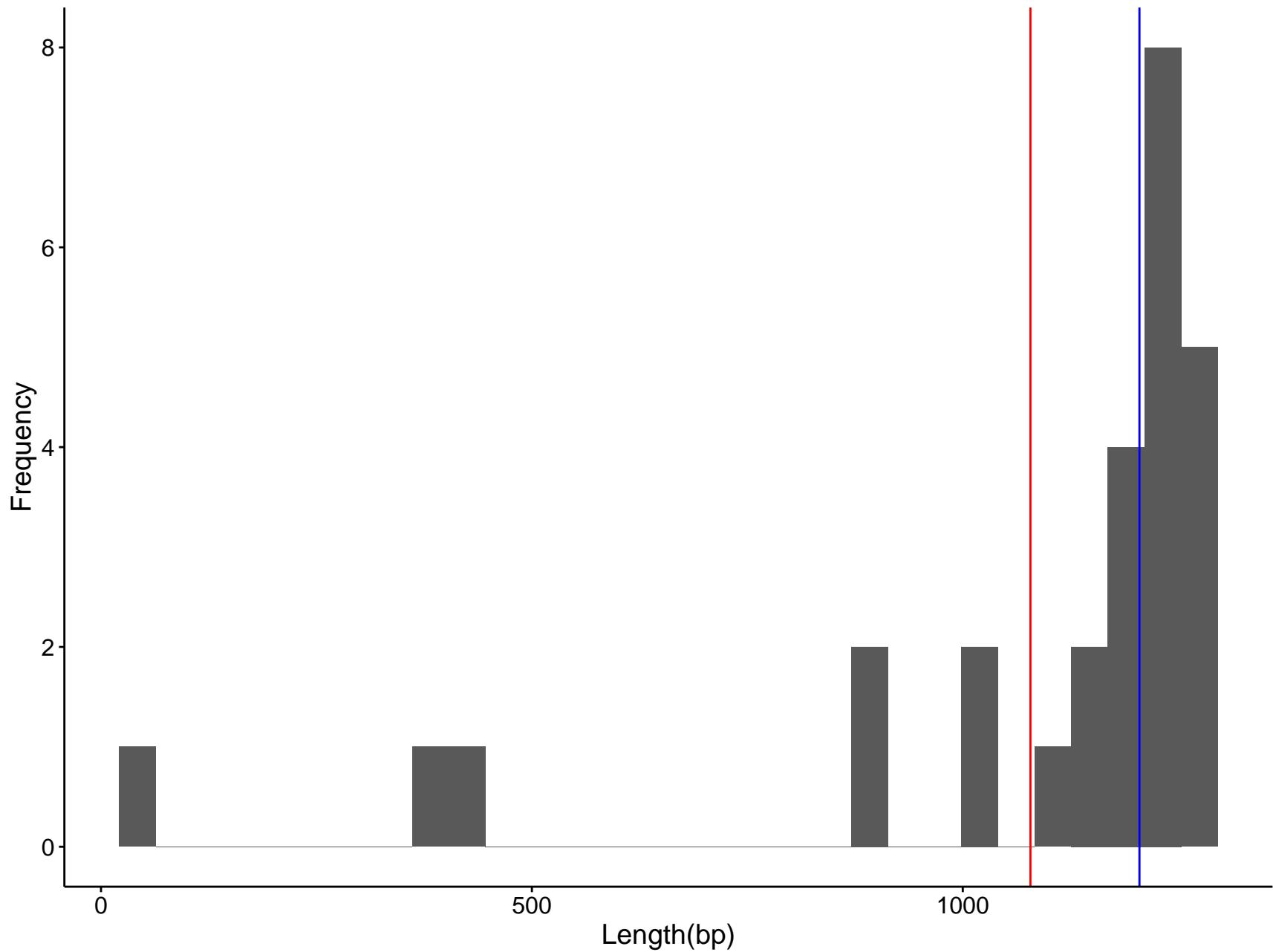
Cluster2908



Cluster2910



Cluster2911



# Cluster2912

Frequency

459.950

459.975

460.000

460.025

Length(bp)



# Cluster2913

Frequency

844.950

844.975

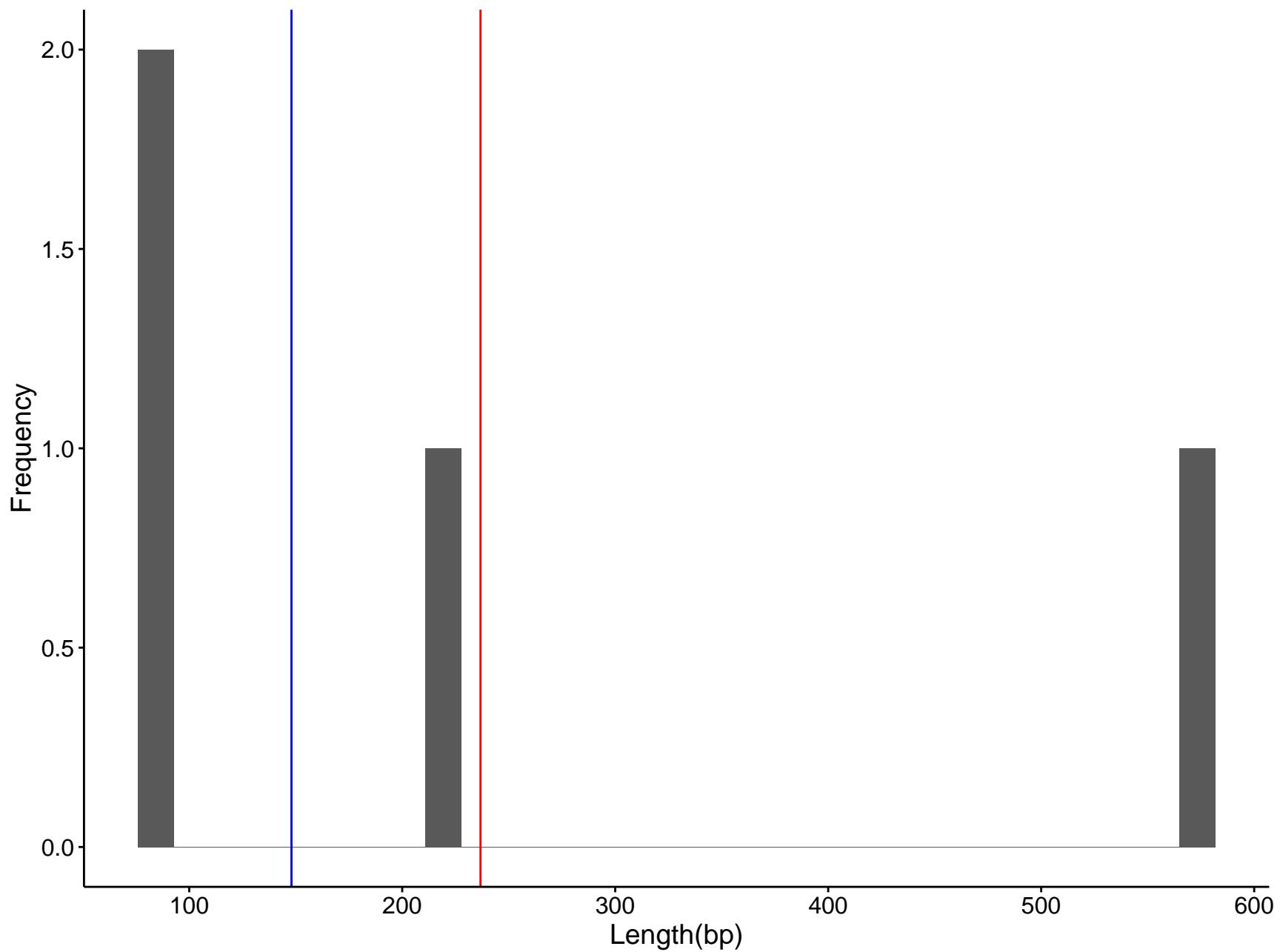
845.000

845.025

Length(bp)



Cluster2914



# Cluster2915

Frequency

149.950

149.975

150.000

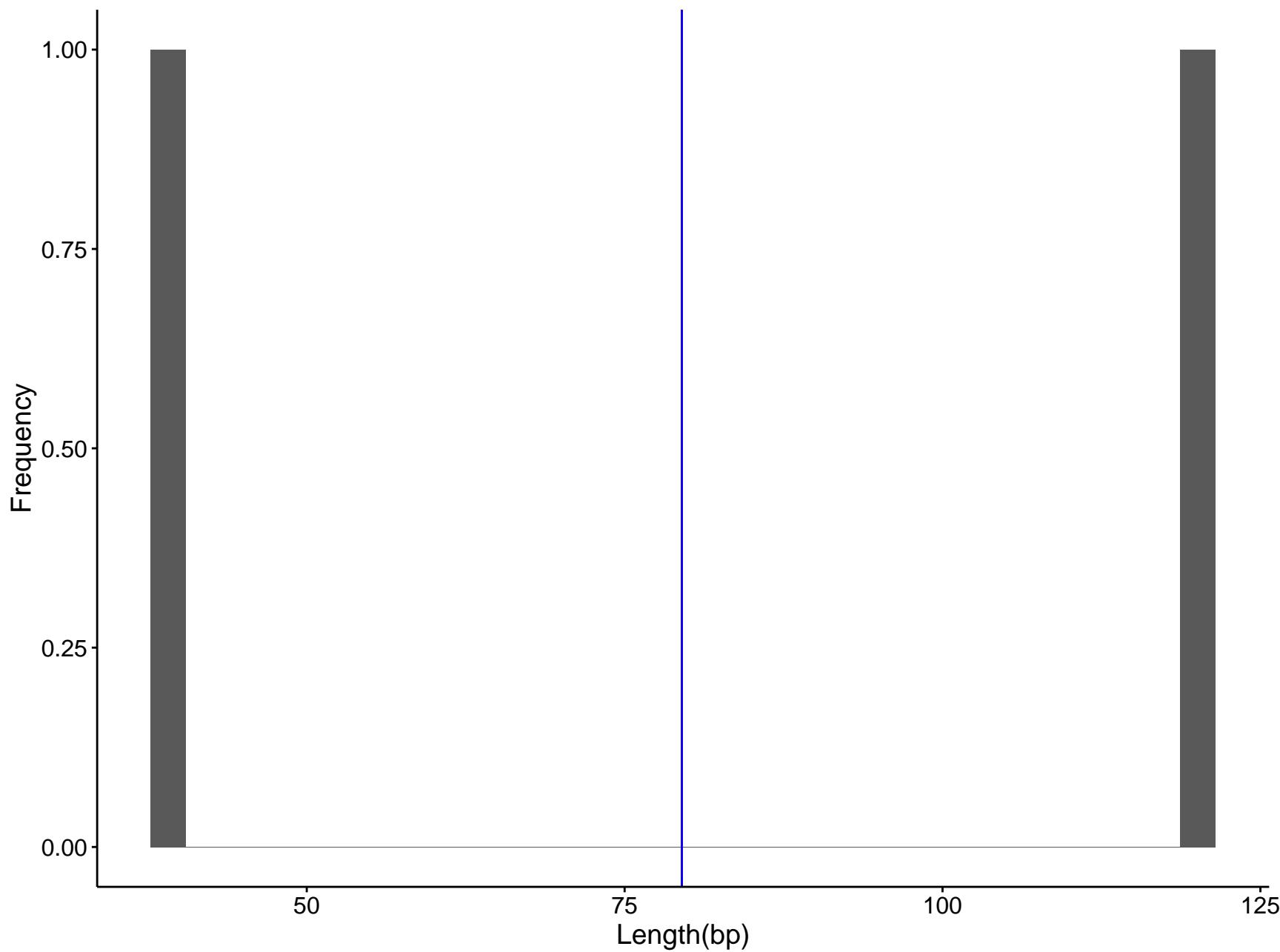
150.025

150.0

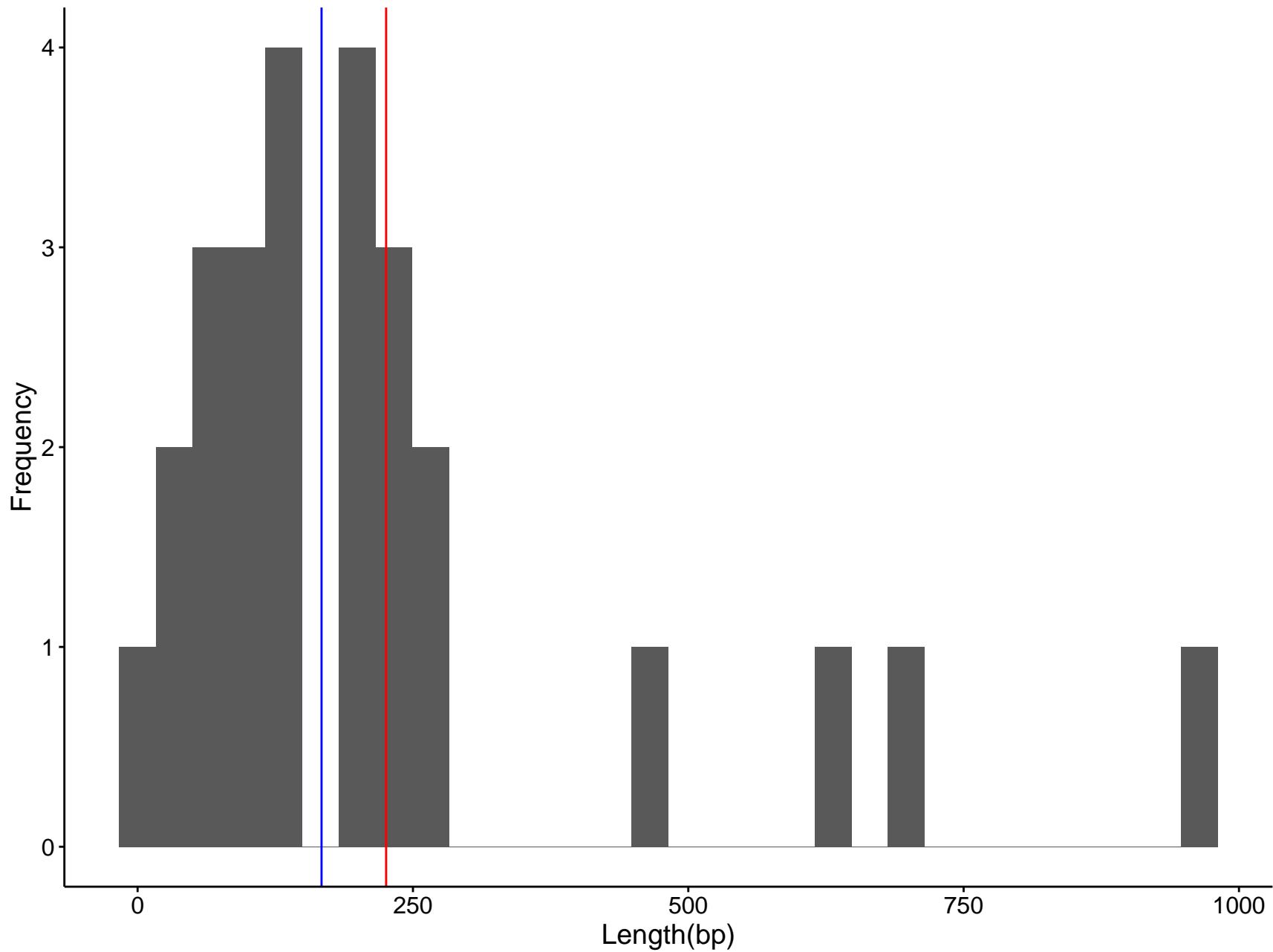
Length(bp)



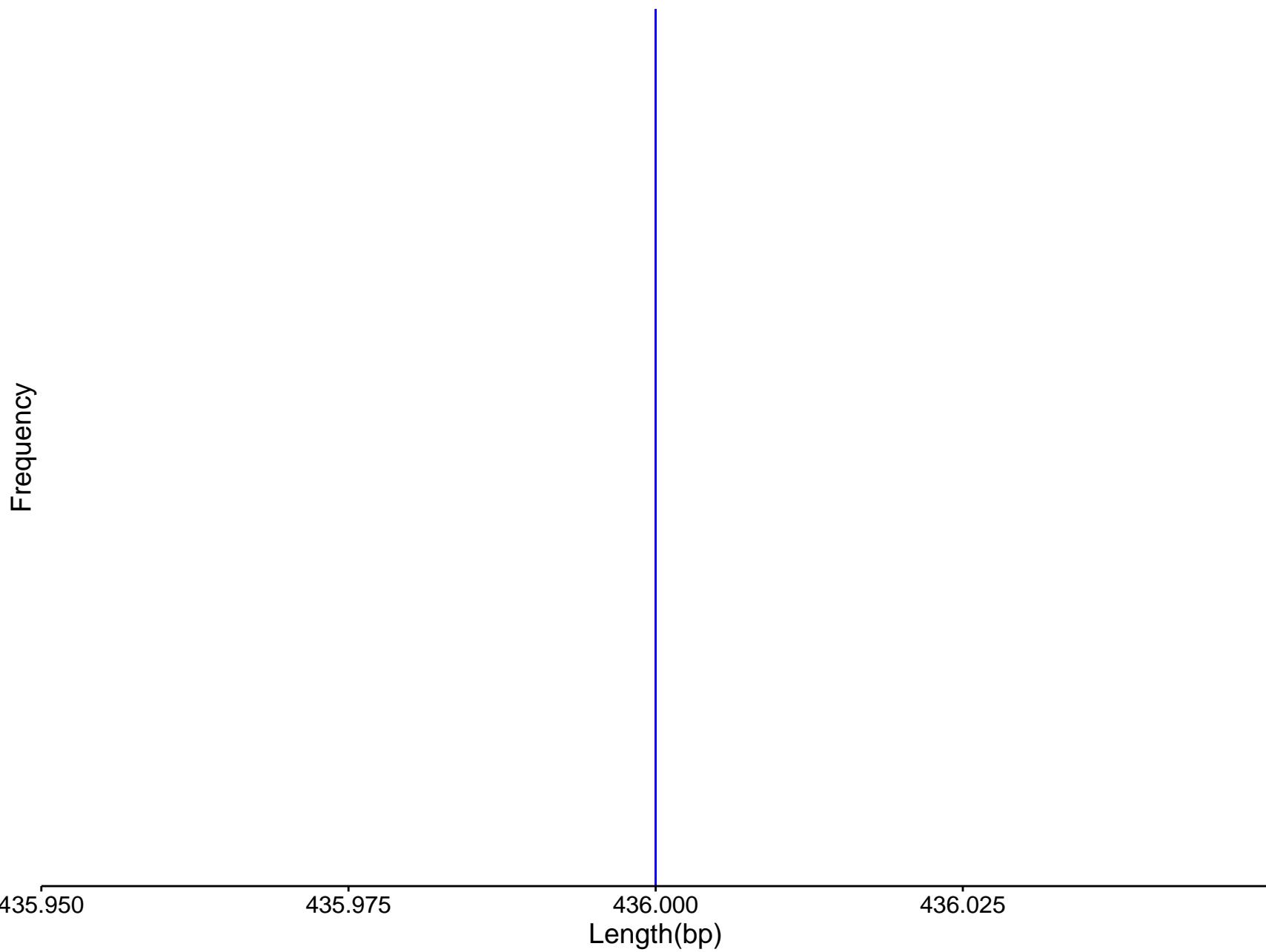
Cluster2916



Cluster2919



# Cluster291



Cluster2927

Frequency

50.950

50.975

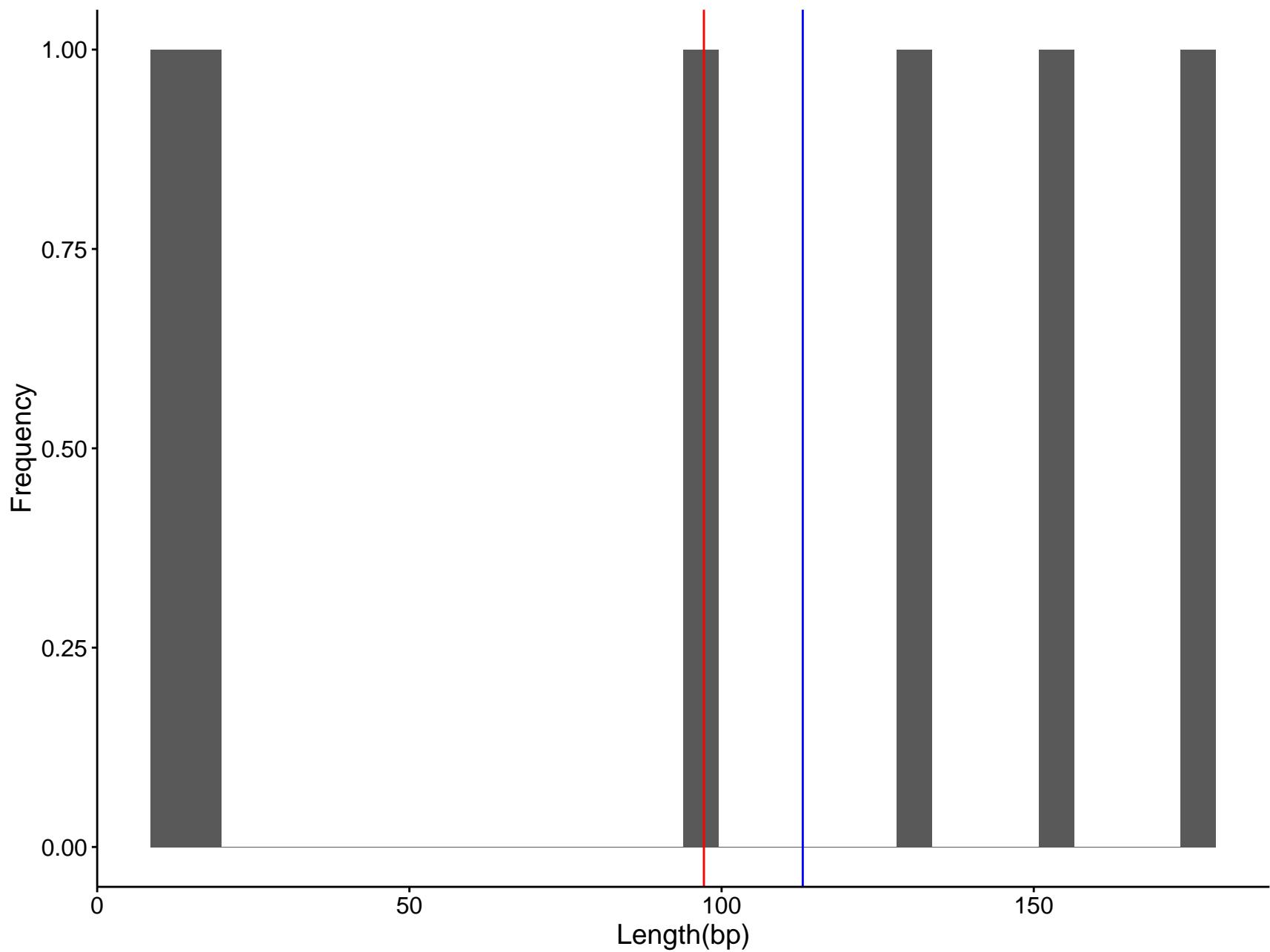
51.000

51.025

Length(bp)



Cluster2928



Cluster2929

Frequency

66.950

66.975

67.000

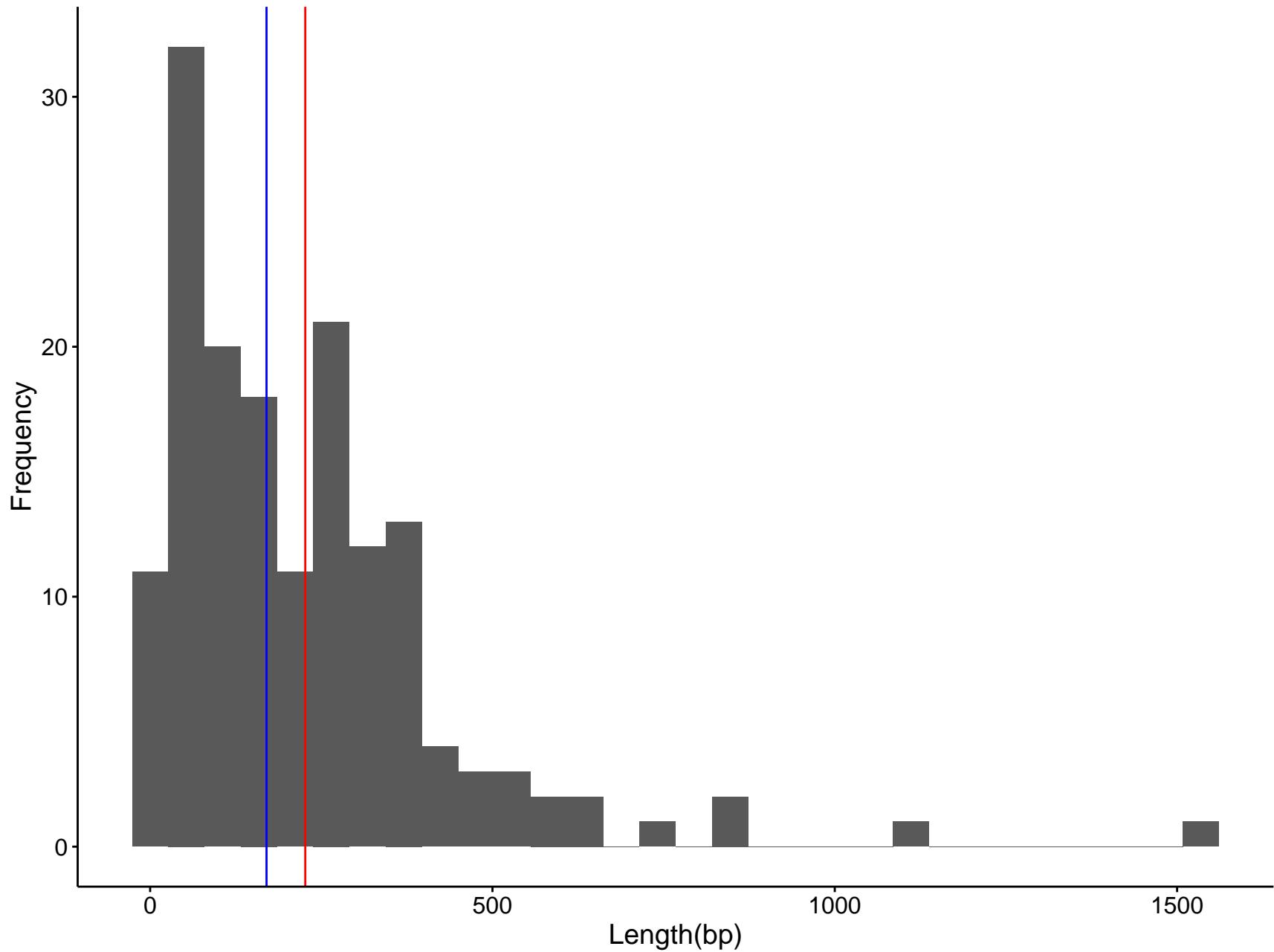
67.025

67.0

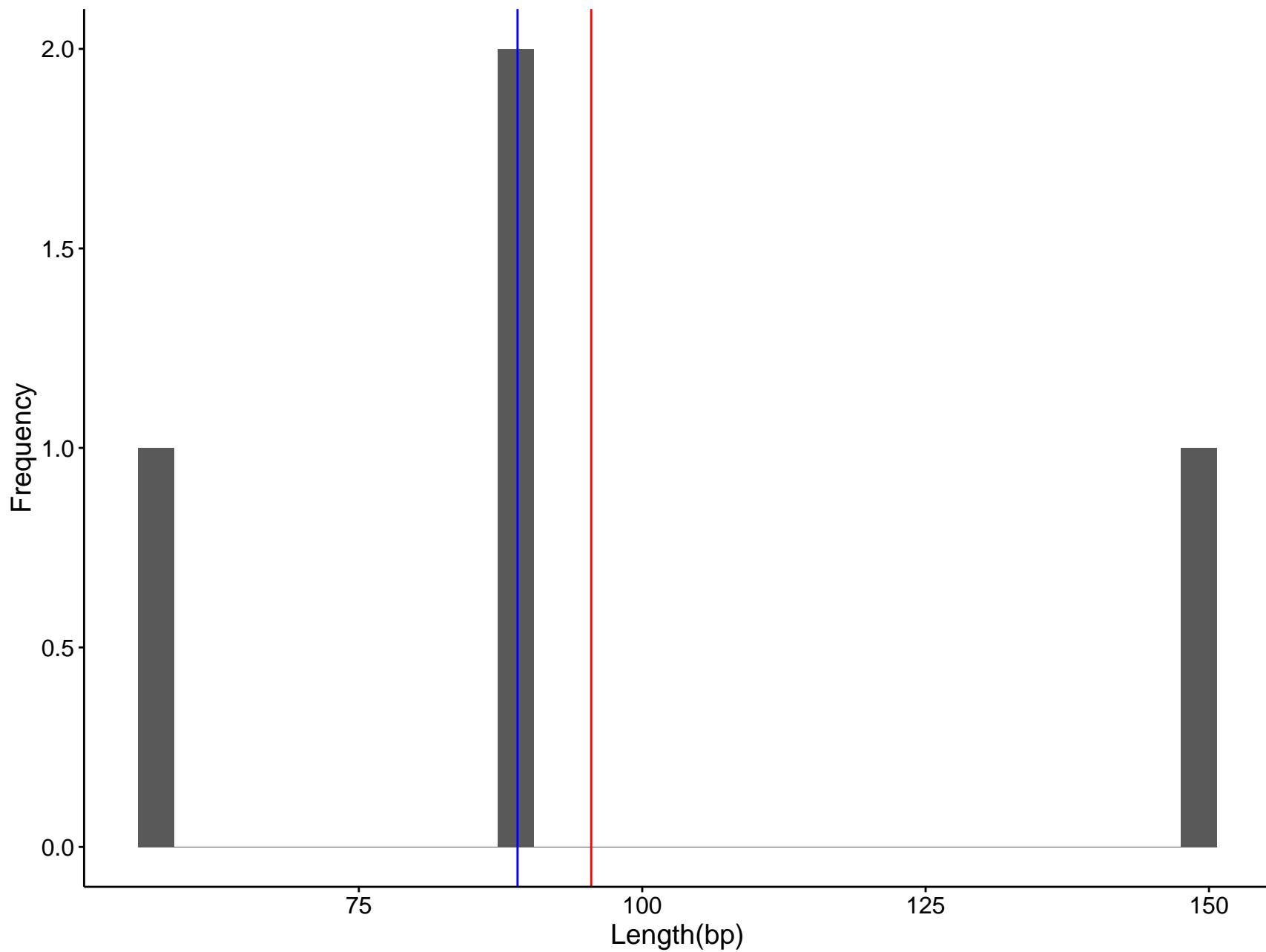
Length(bp)



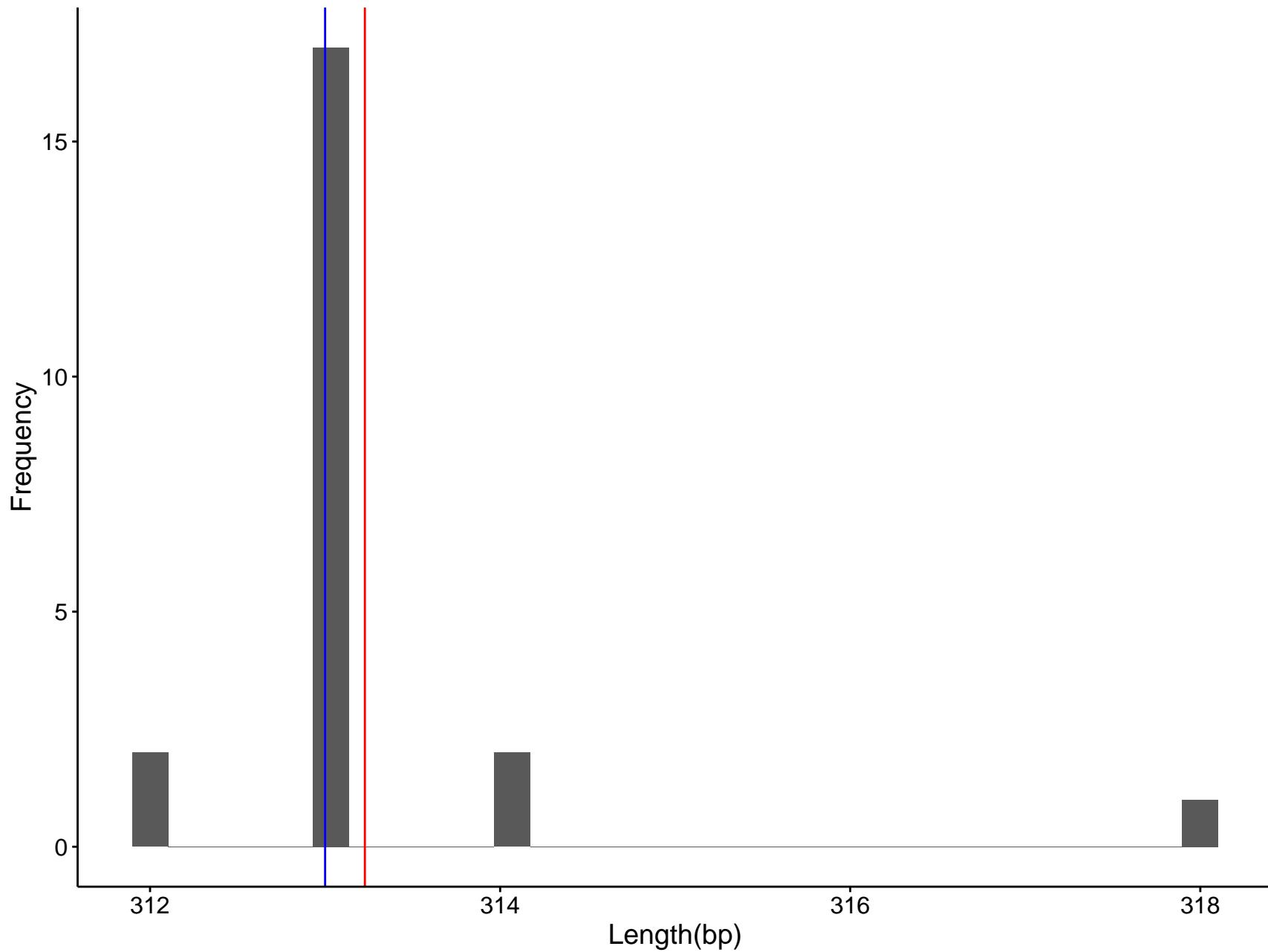
Cluster2933



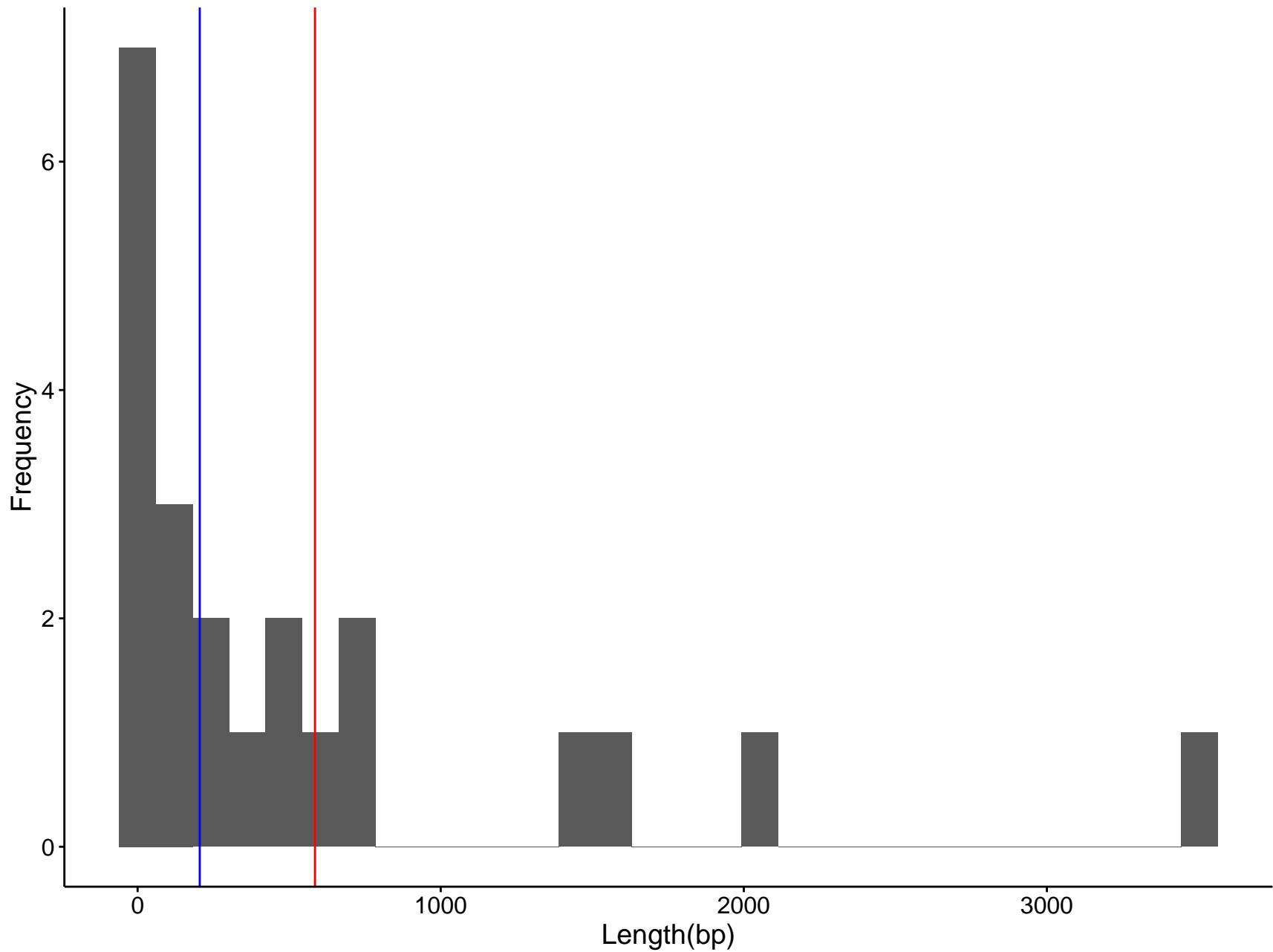
Cluster2935



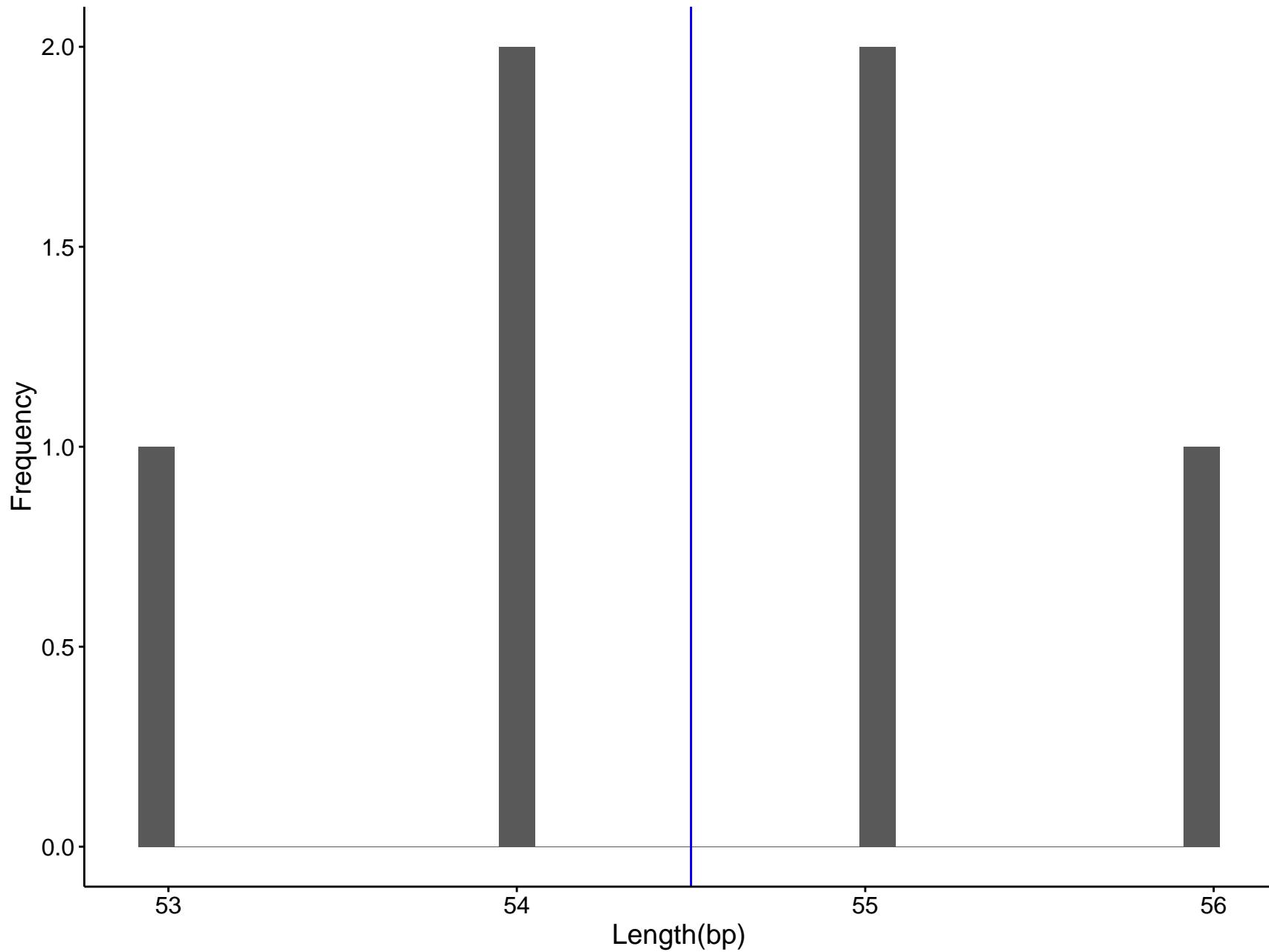
Cluster293



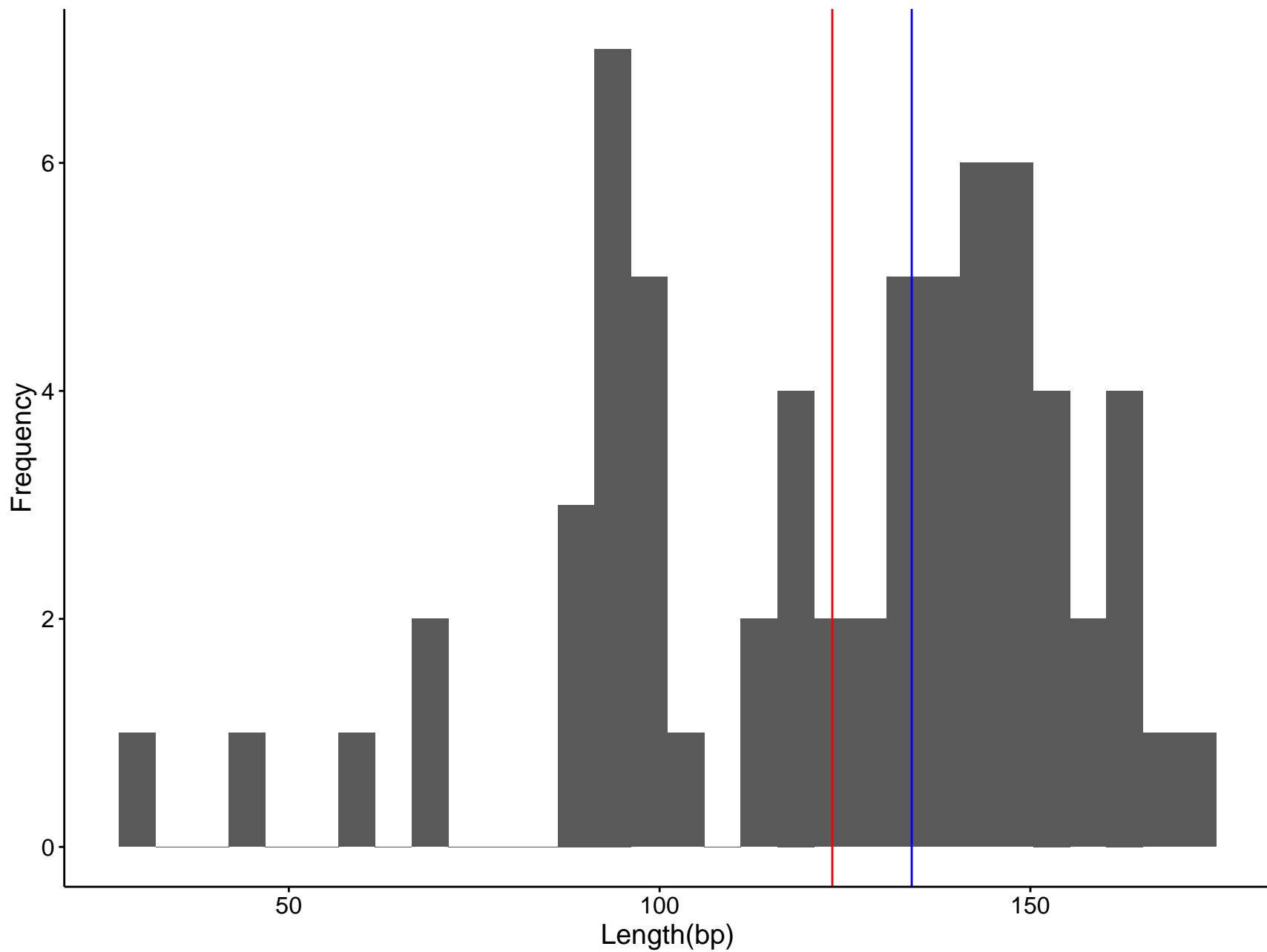
Cluster2943



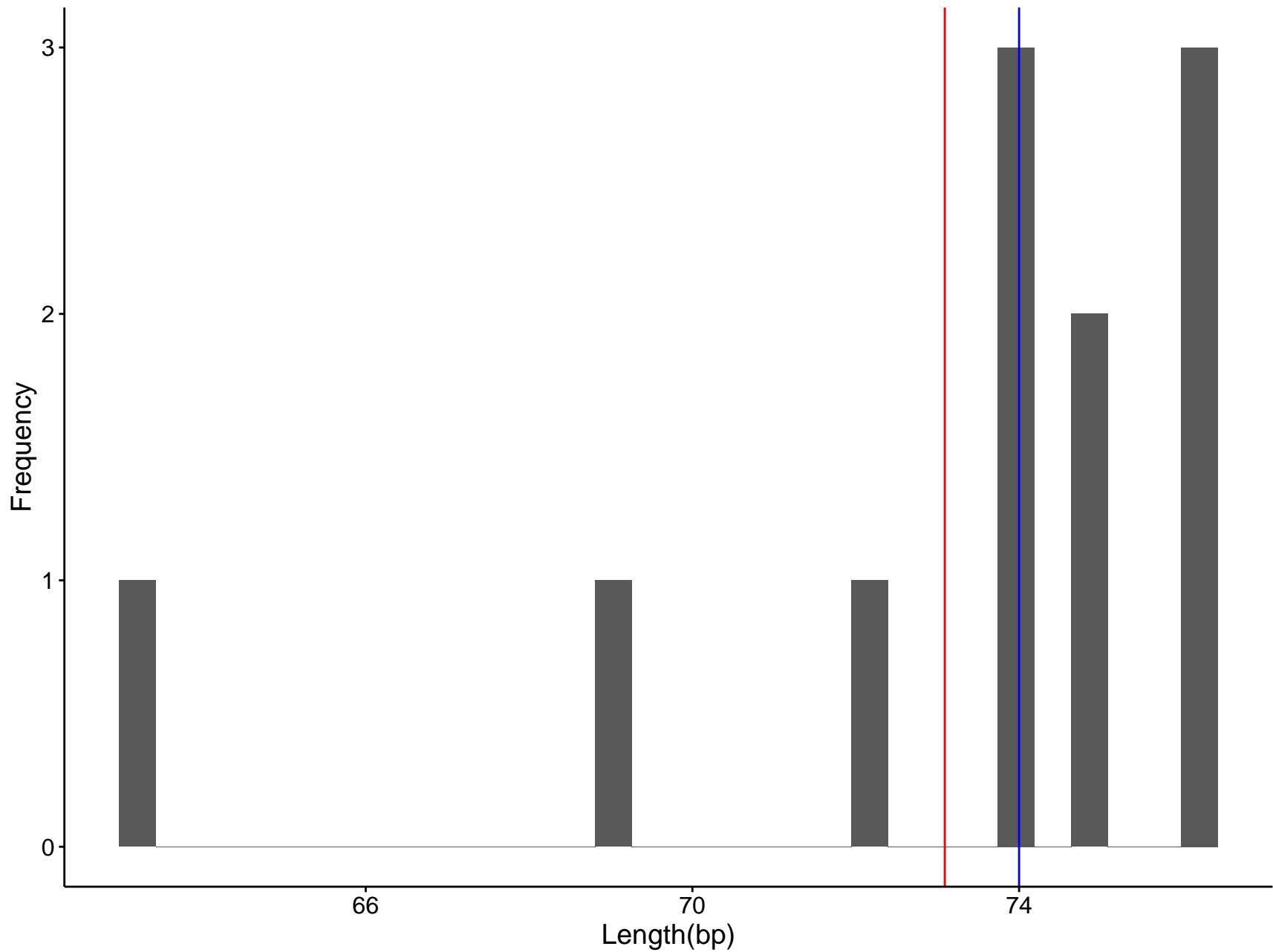
Cluster2945



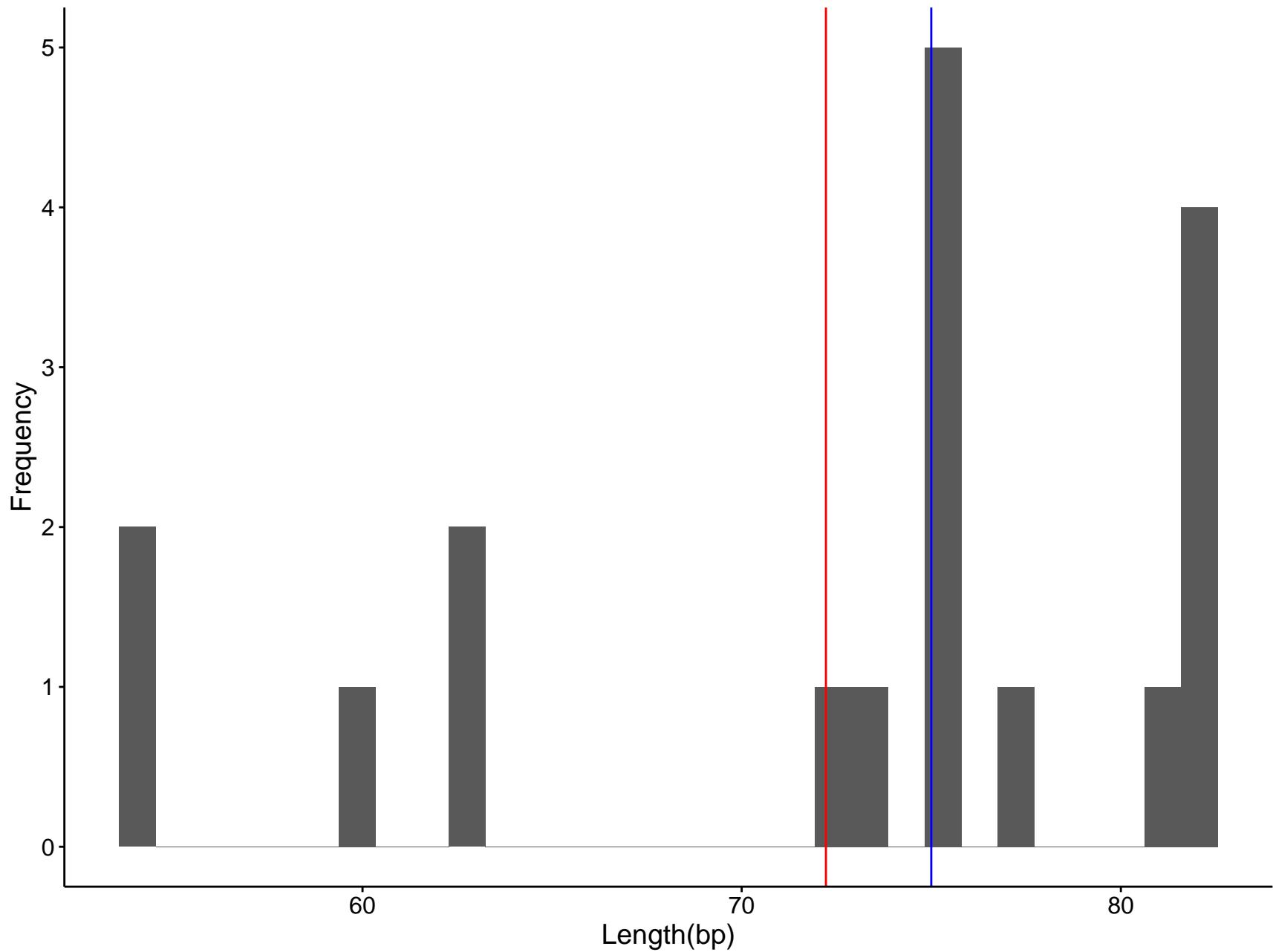
Cluster2946



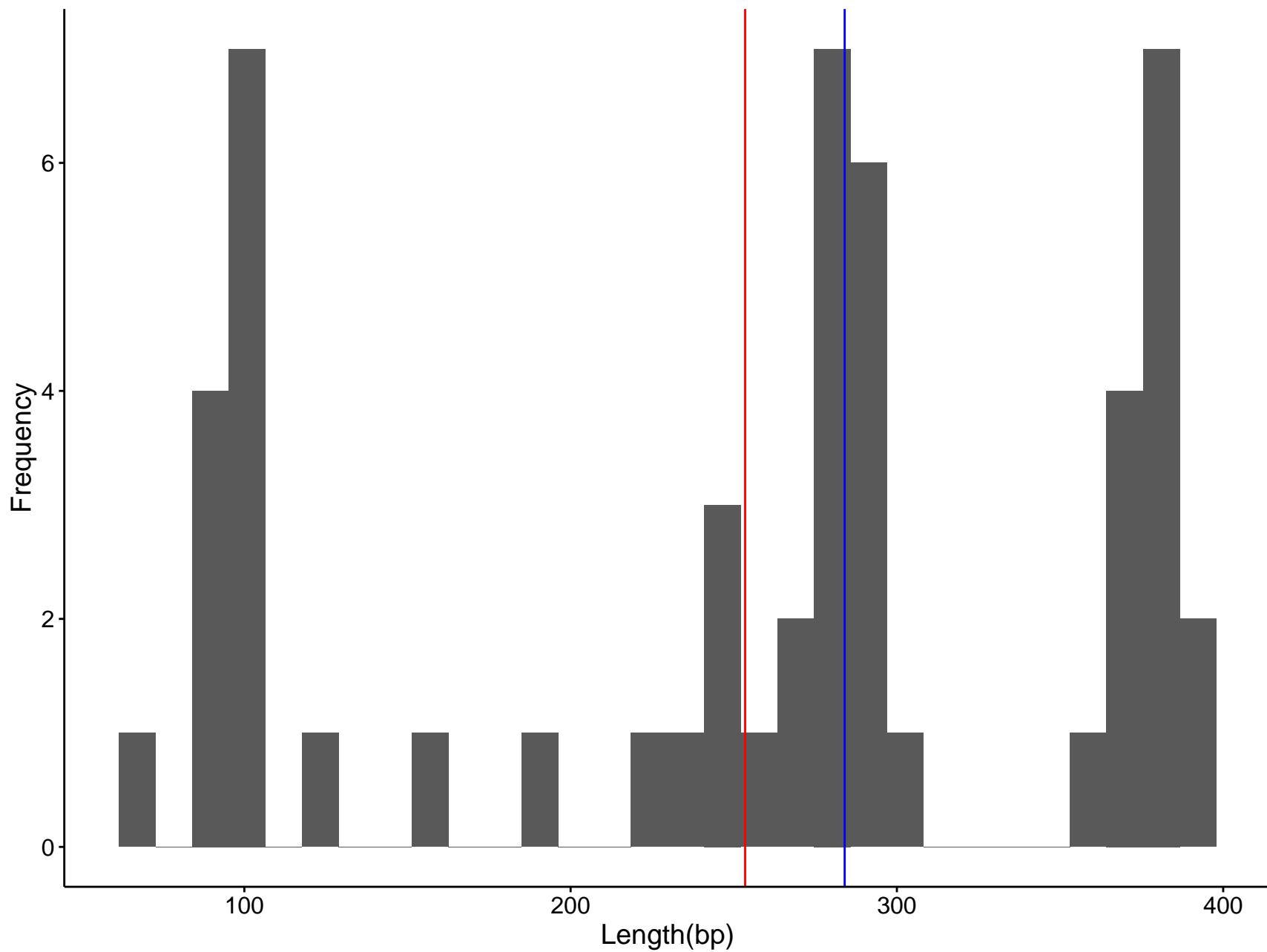
Cluster2950



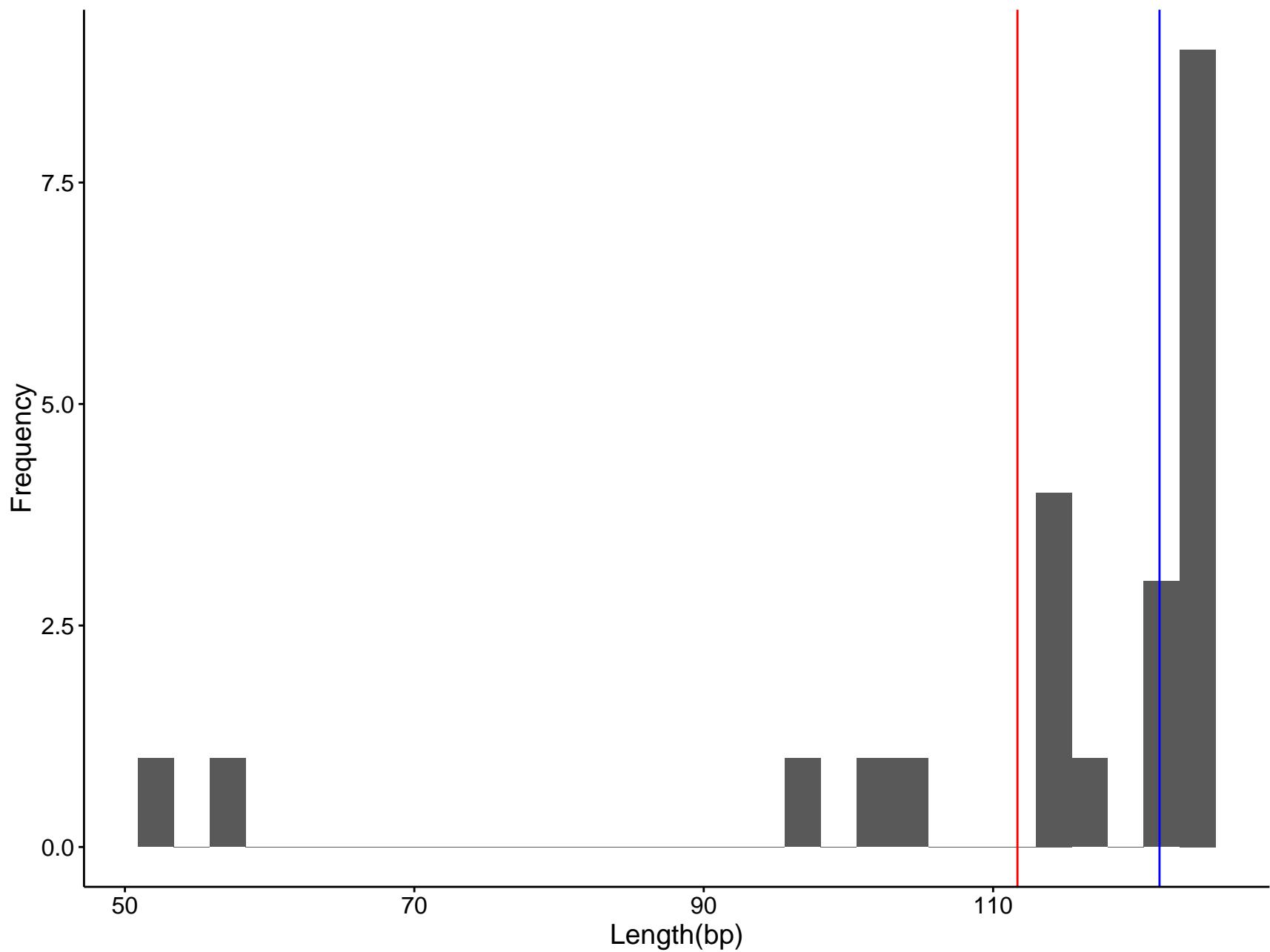
Cluster2951



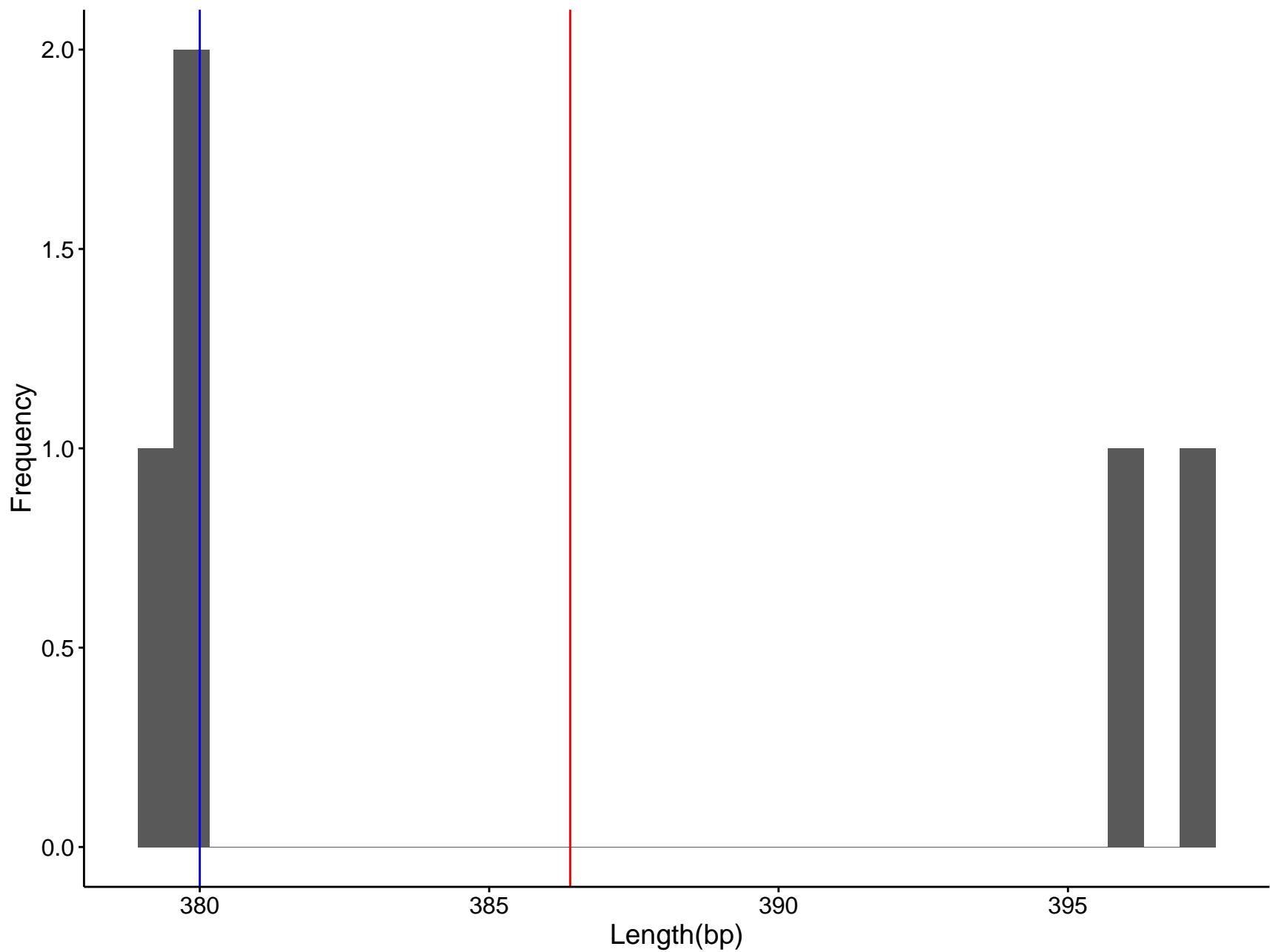
Cluster2952



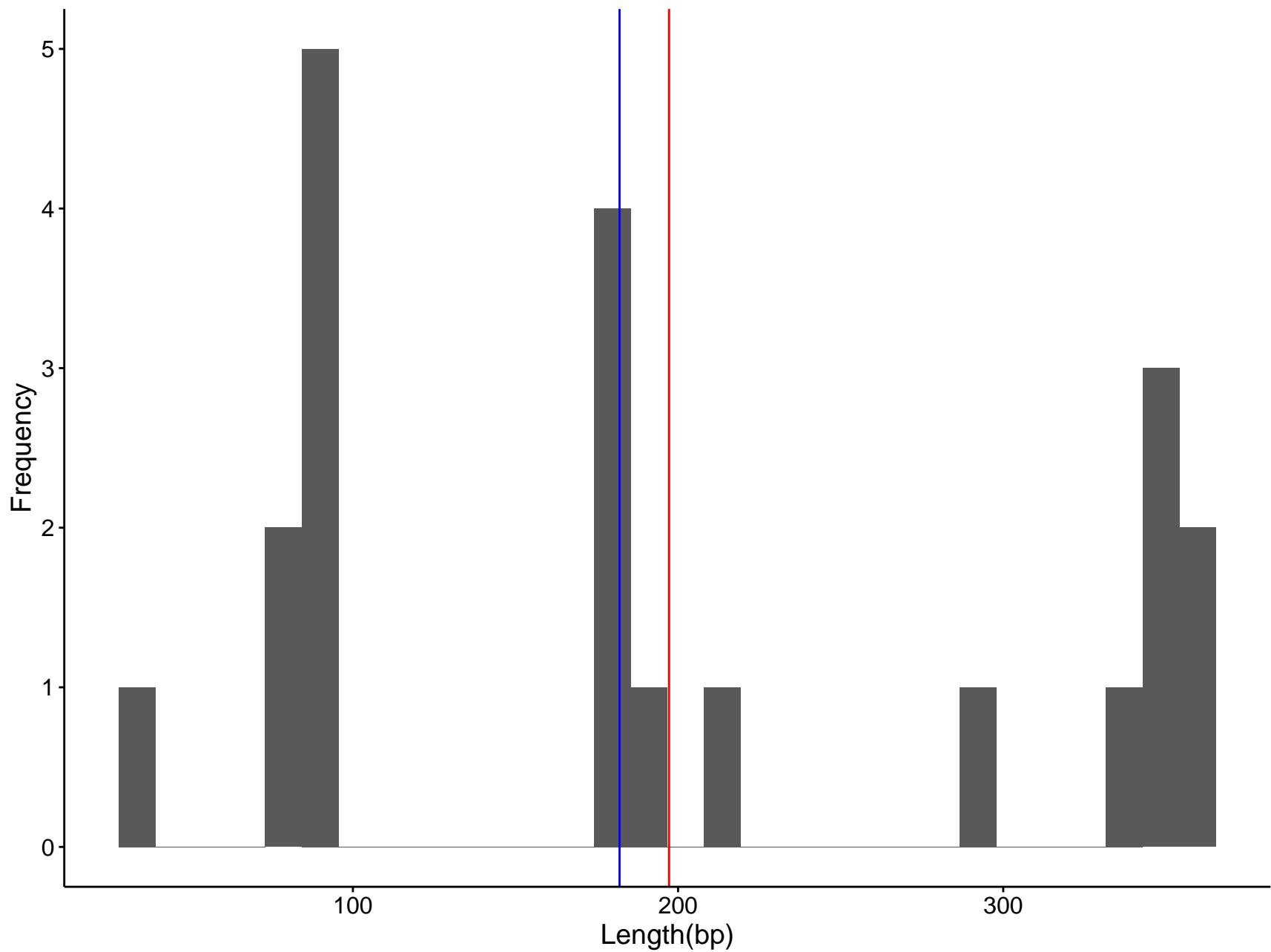
Cluster2954



Cluster2955



Cluster2958



Cluster2959

Frequency

101.950

101.975

102.000

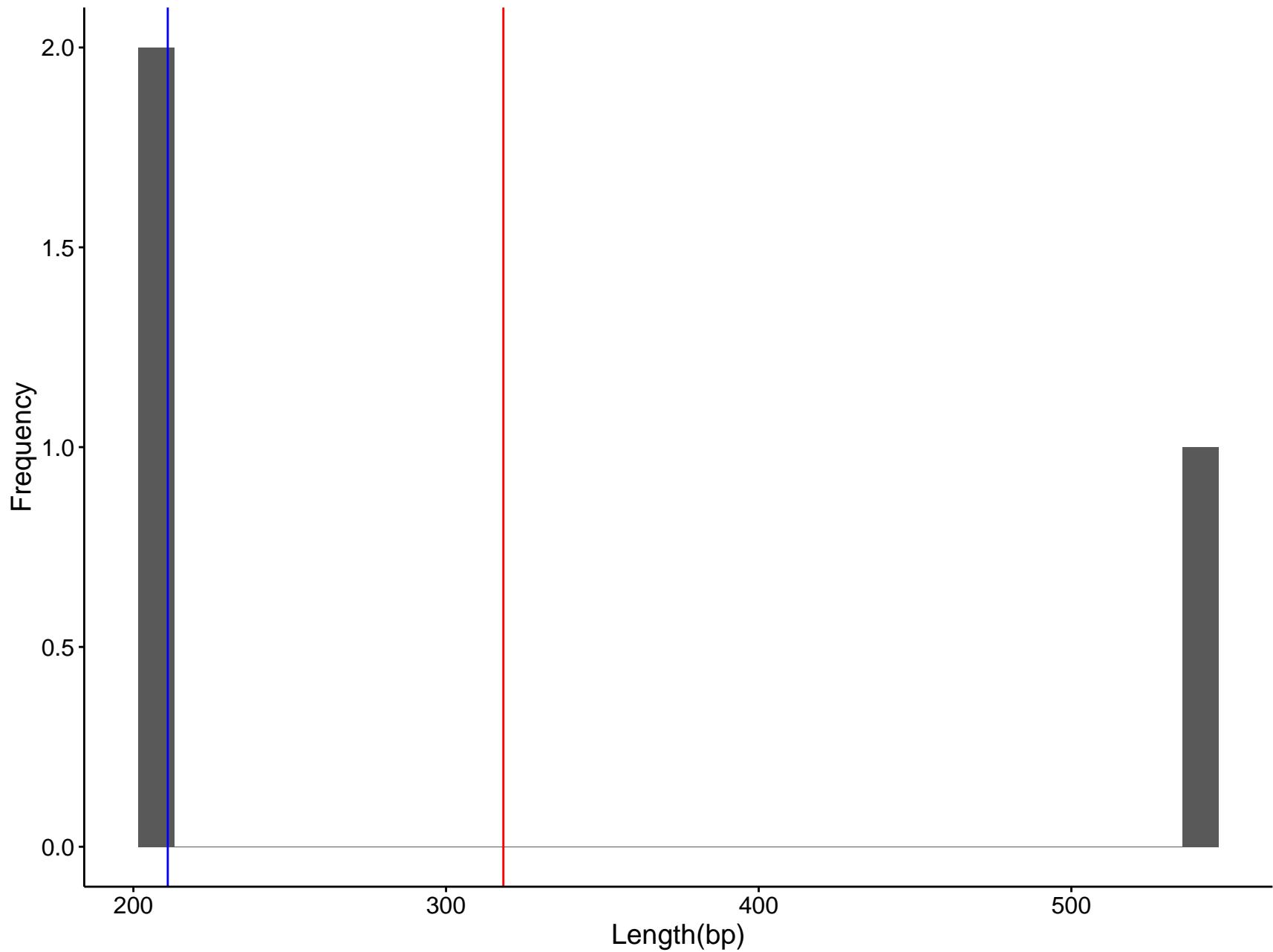
102.025

102.050

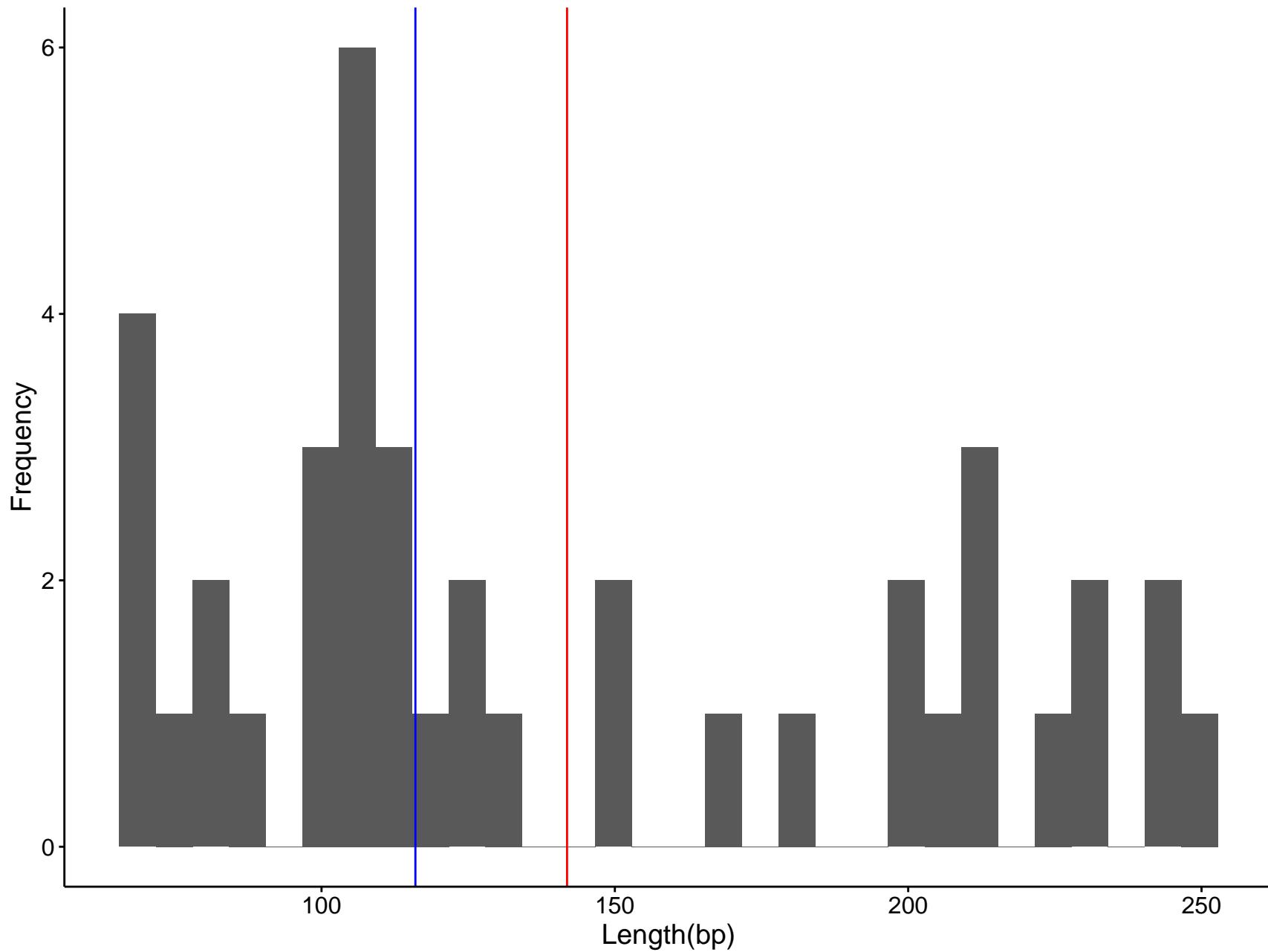
Length(bp)



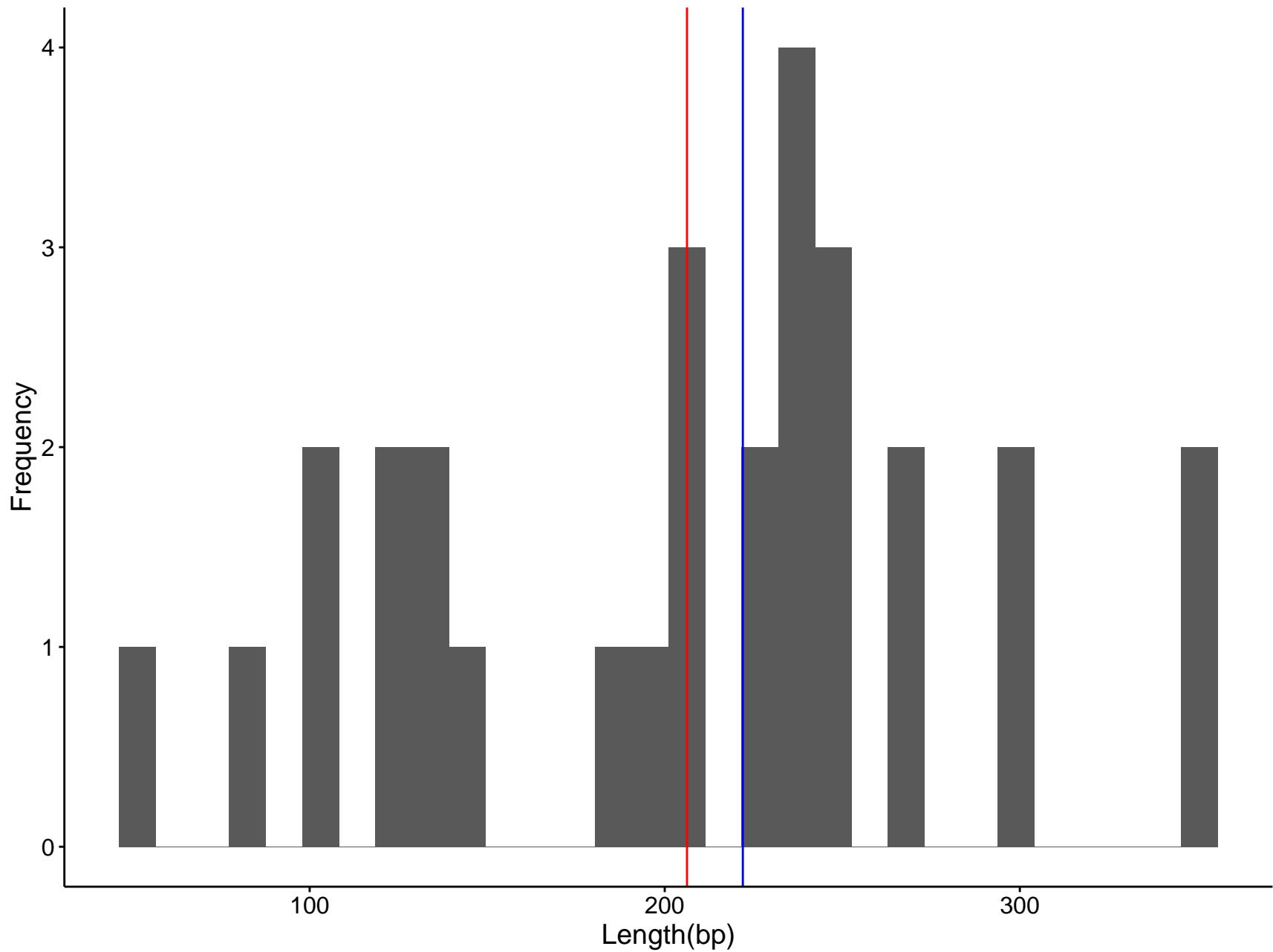
Cluster295



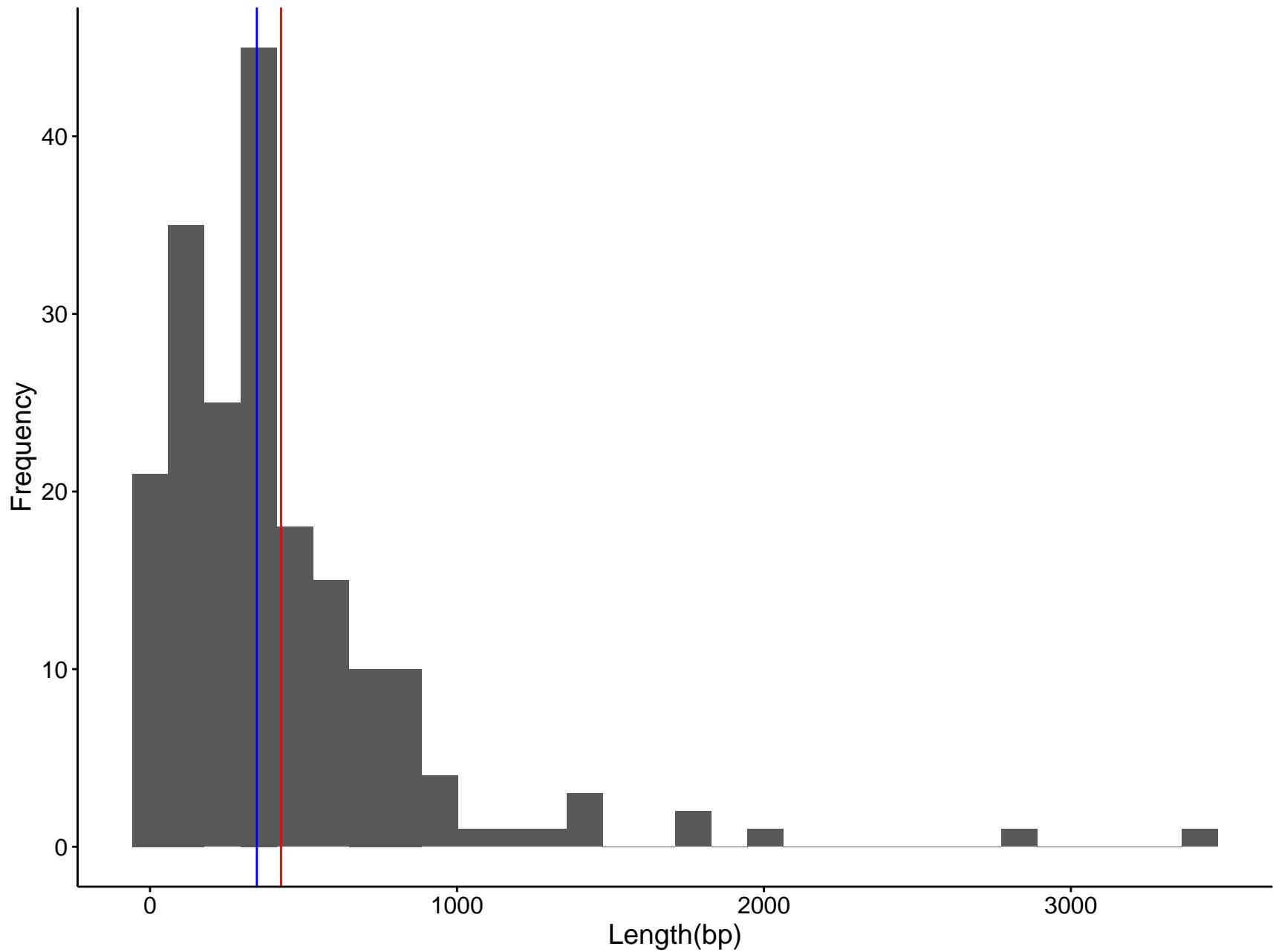
Cluster2960



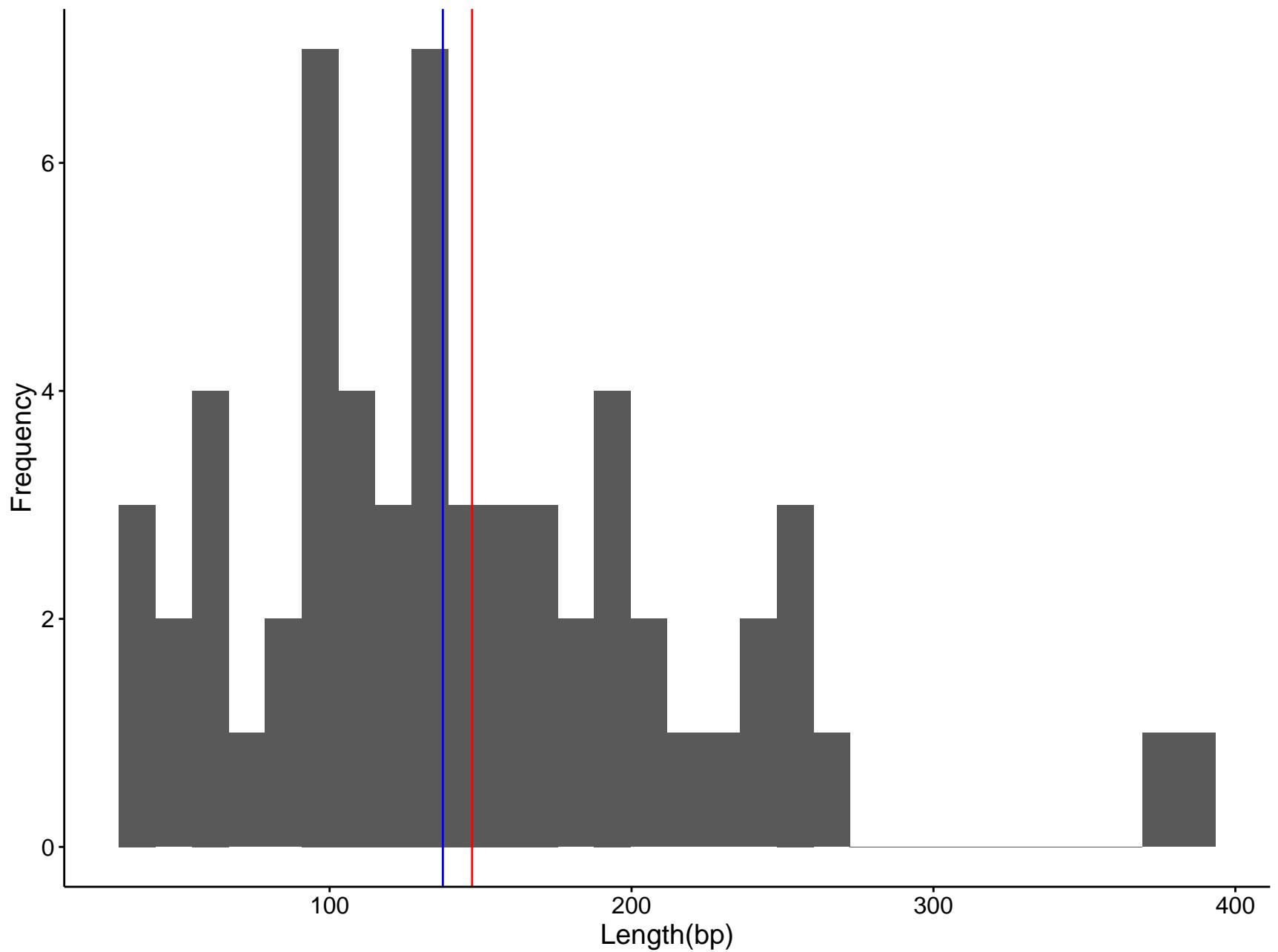
# Cluster2961



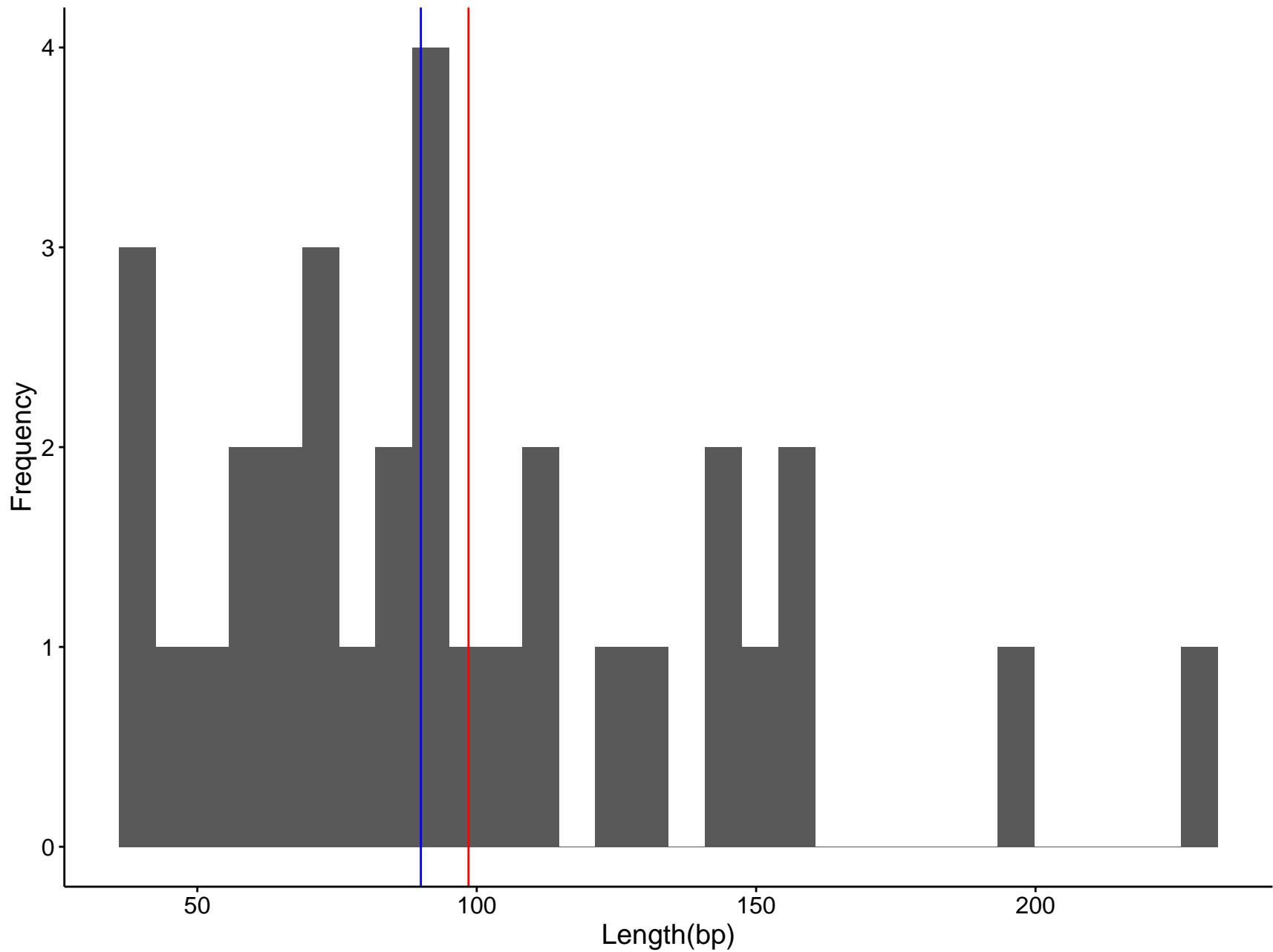
Cluster2962



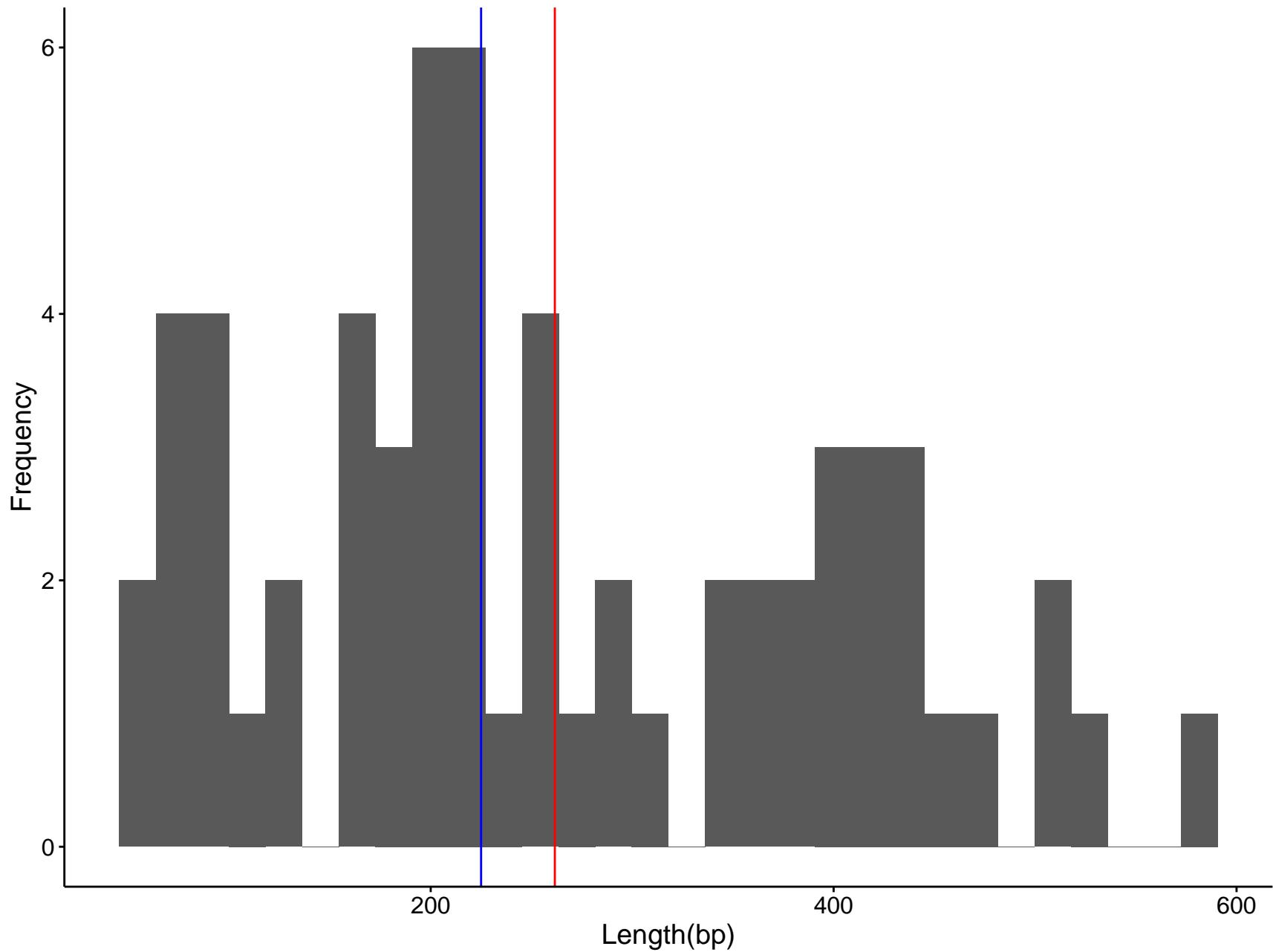
Cluster2963



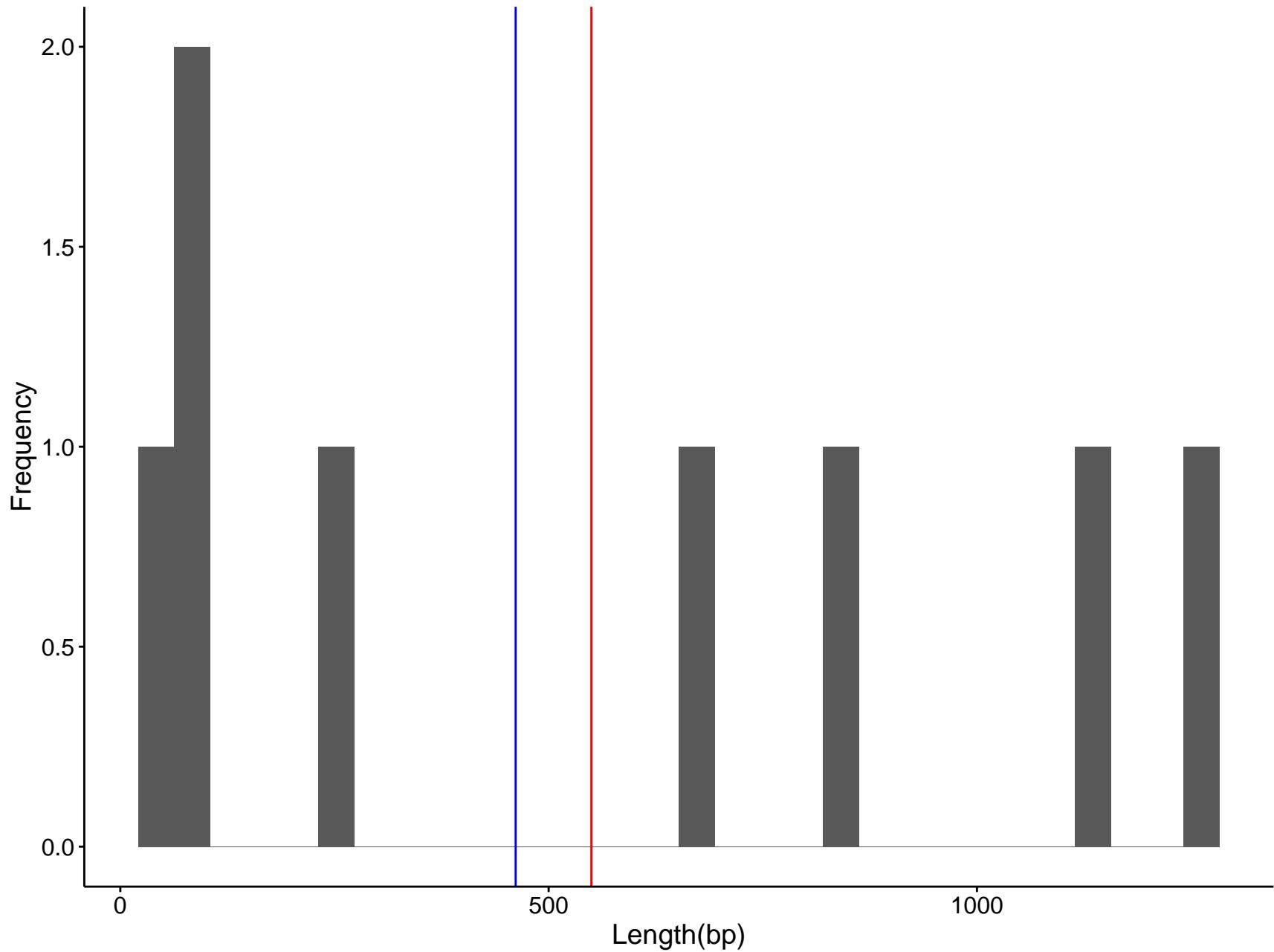
Cluster2964



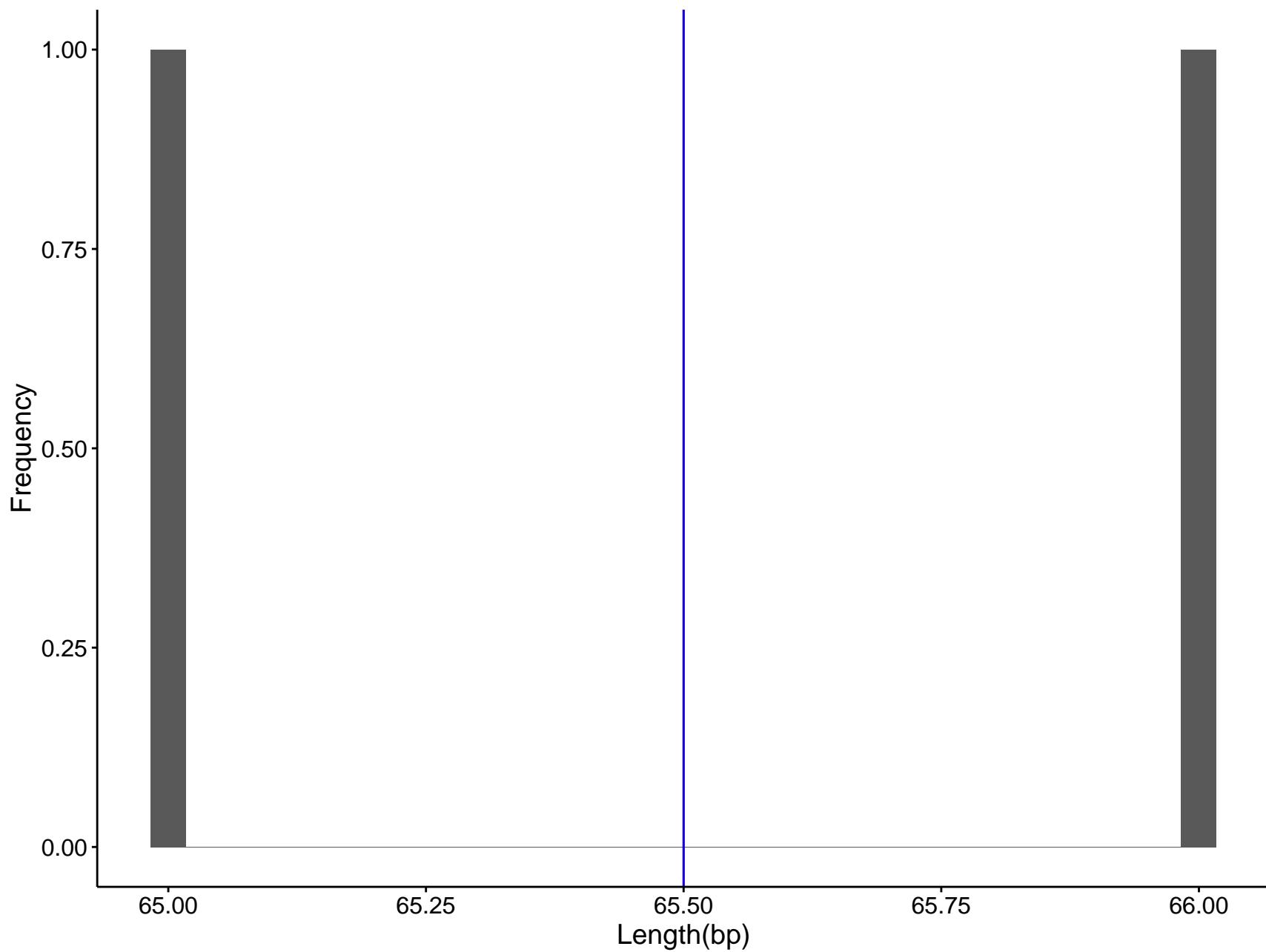
Cluster2965



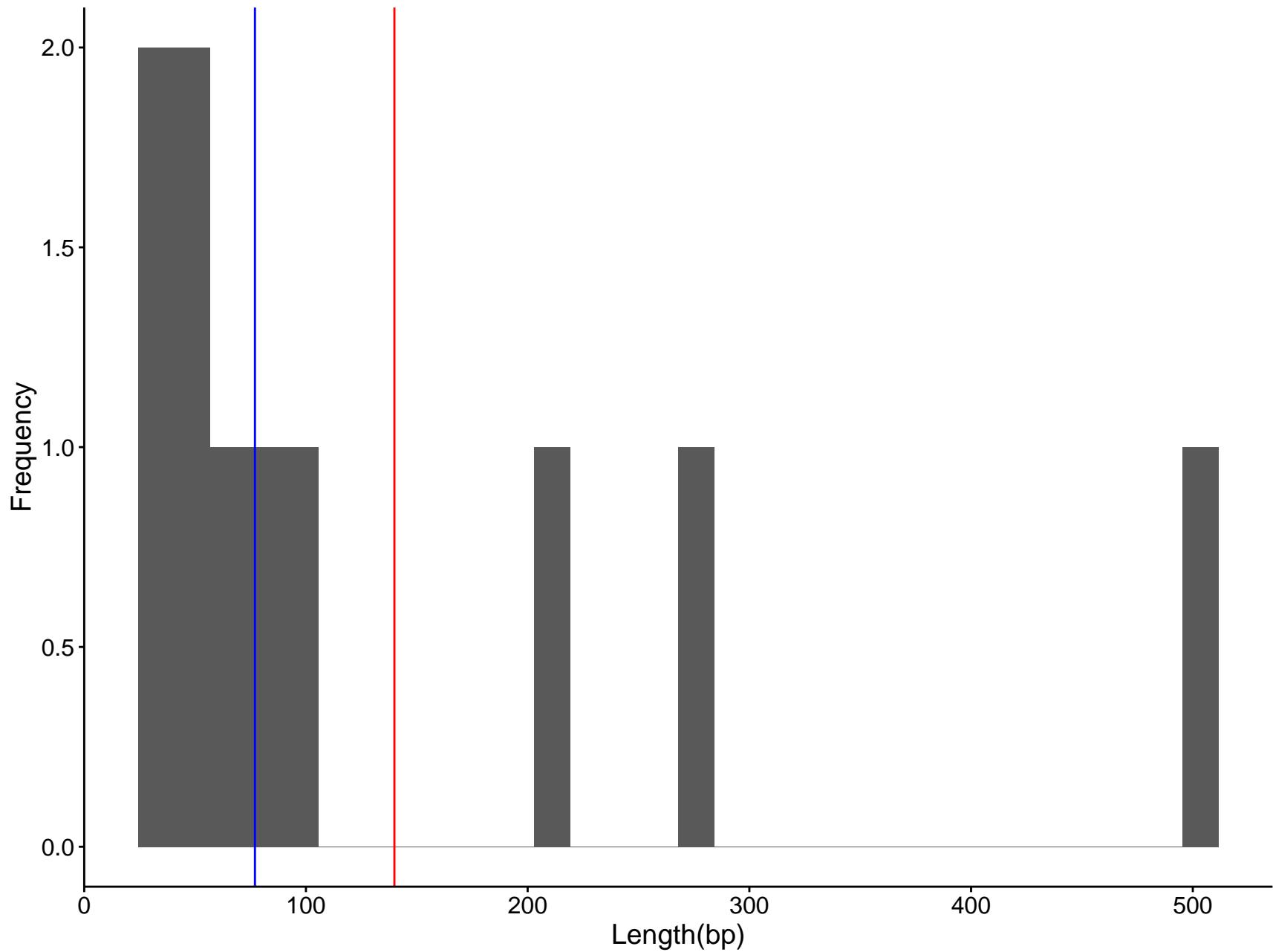
Cluster2967



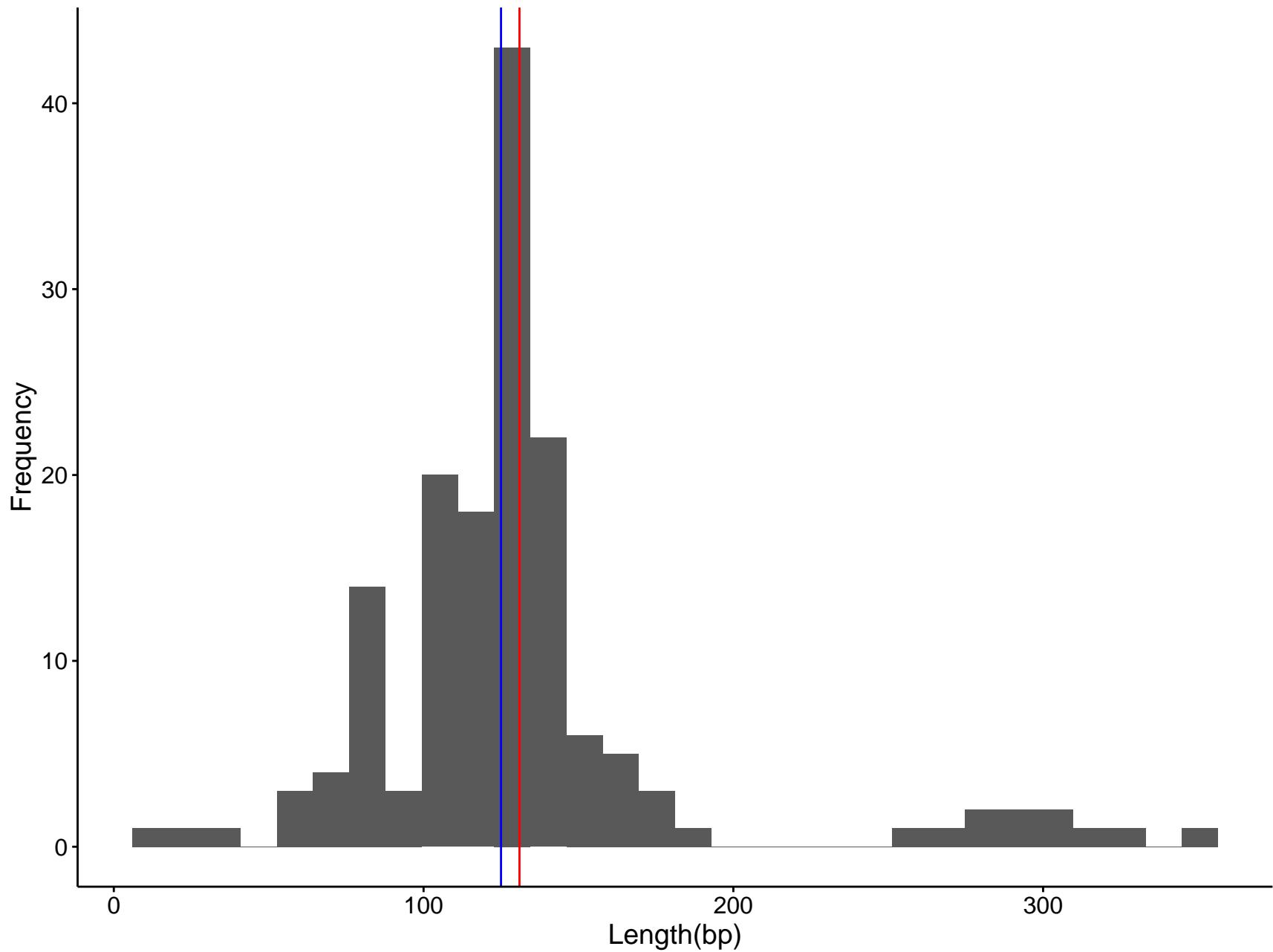
Cluster2968



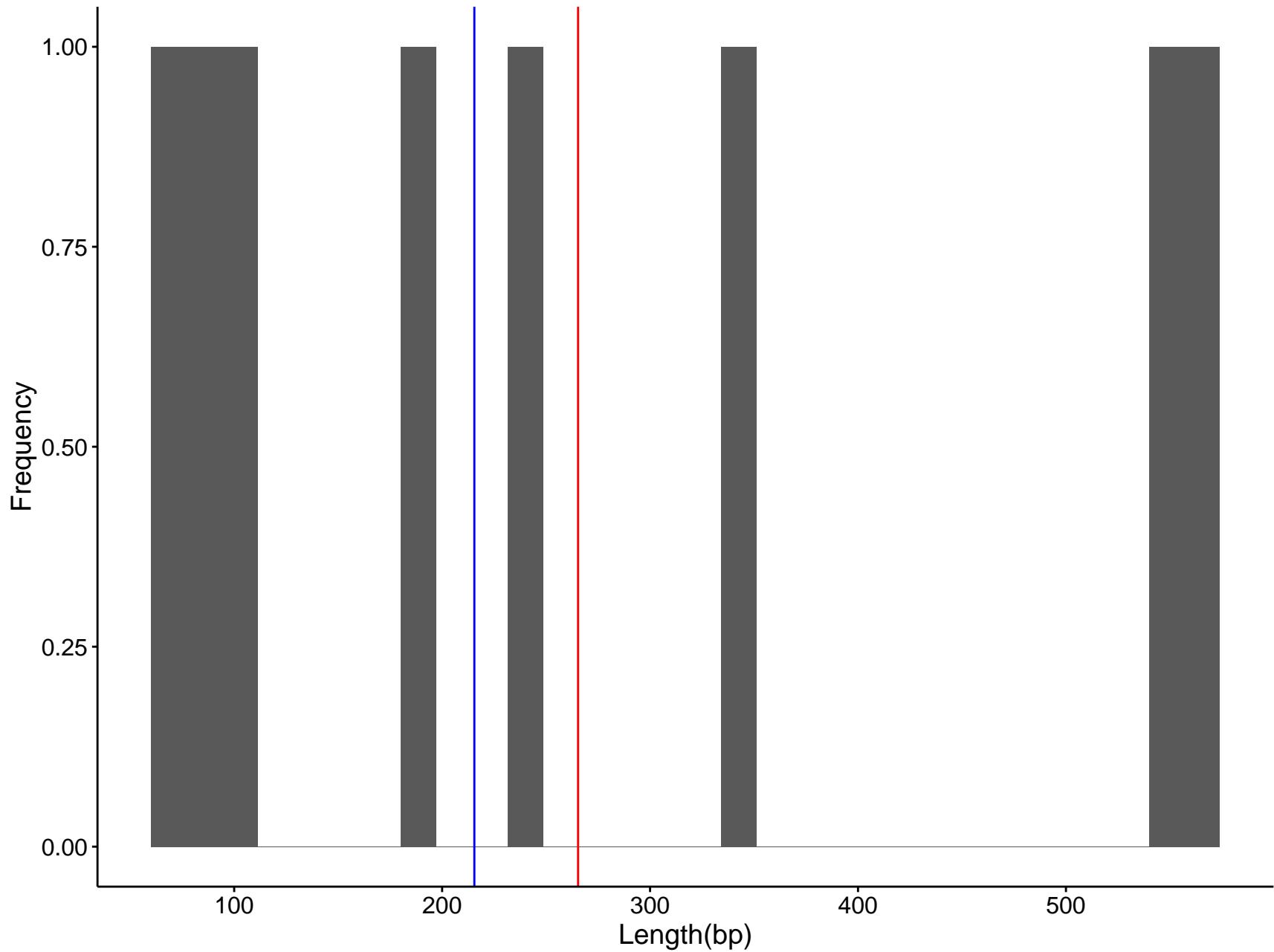
Cluster296



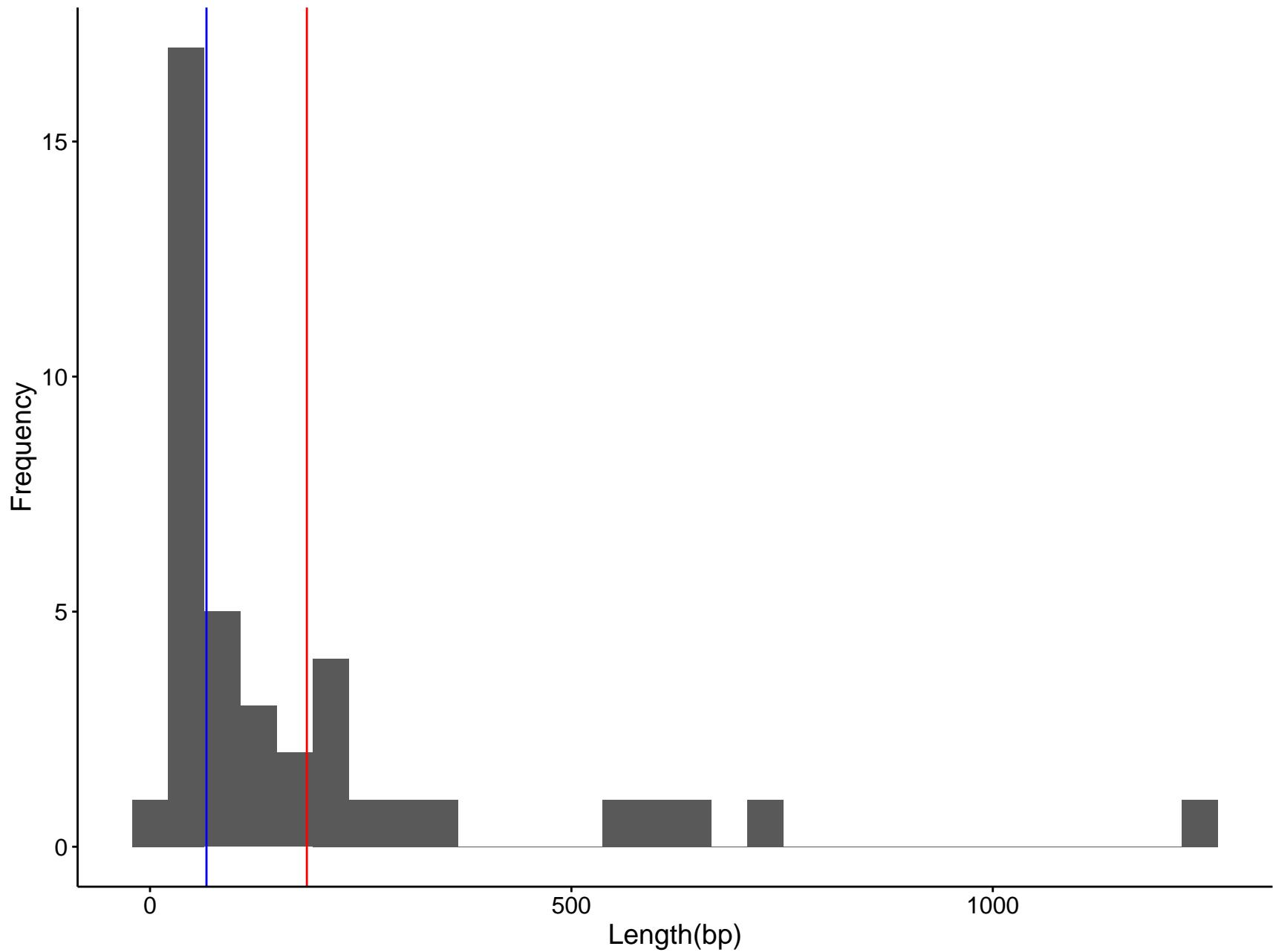
Cluster2970



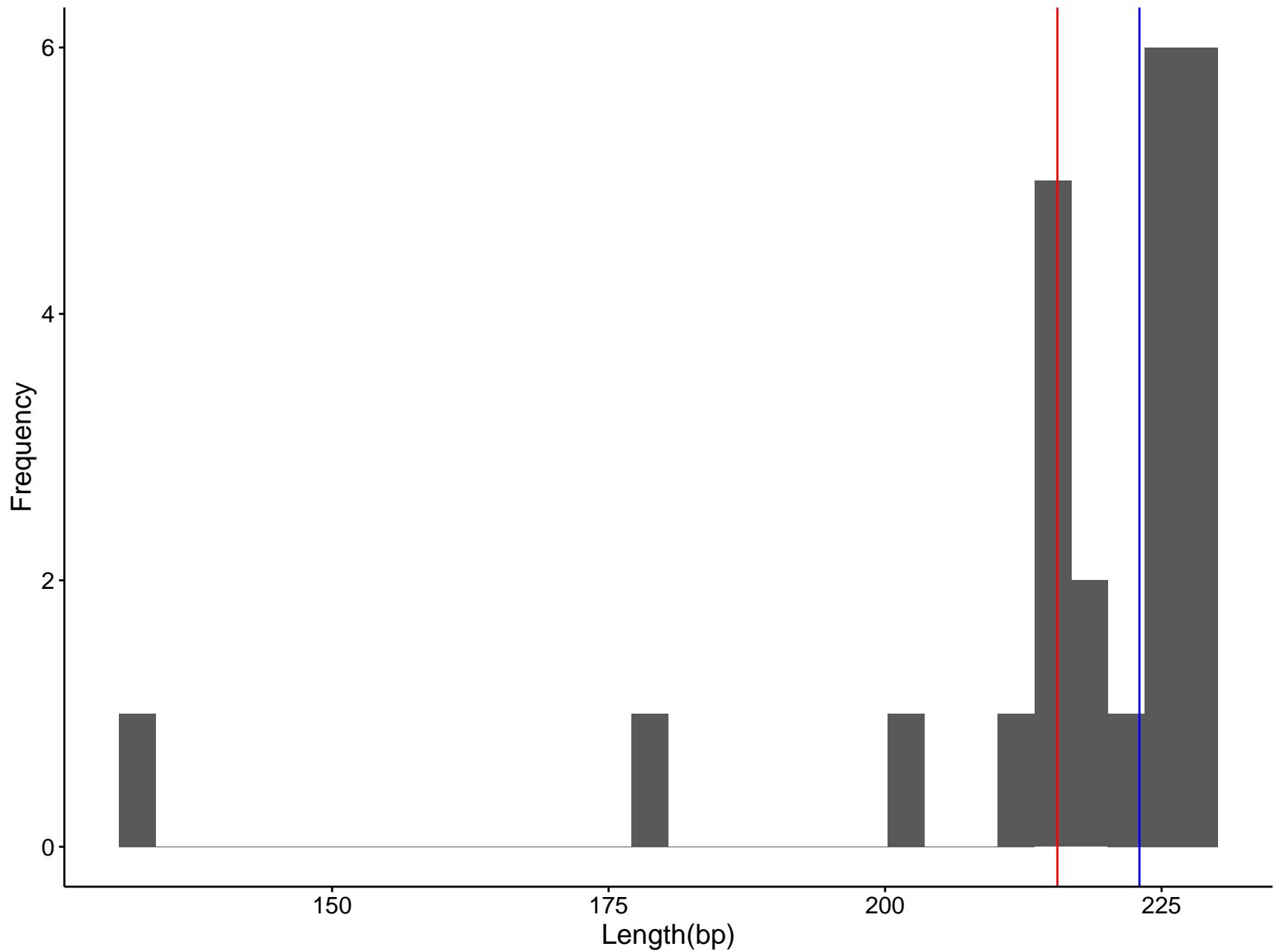
Cluster2971



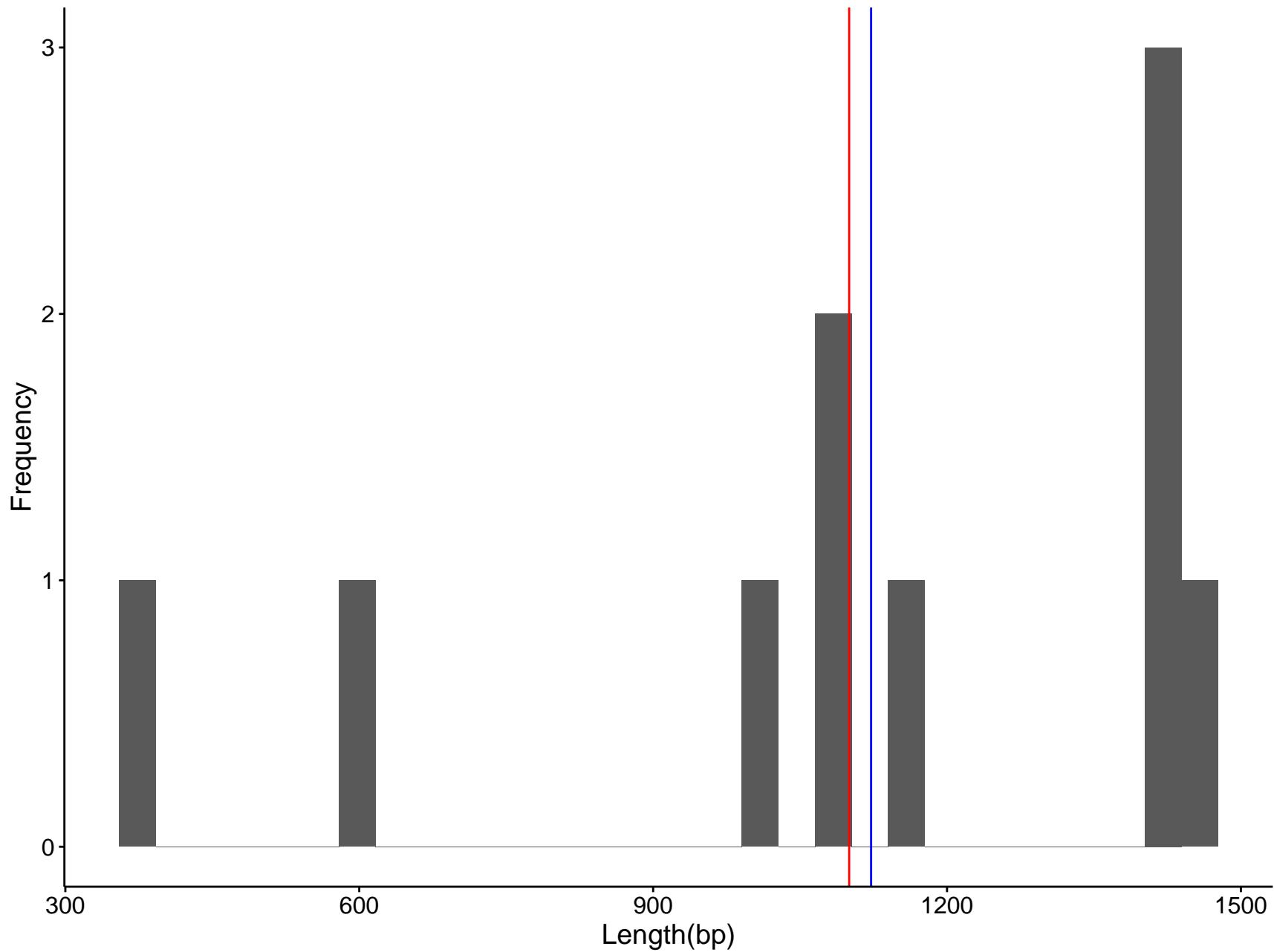
Cluster2974



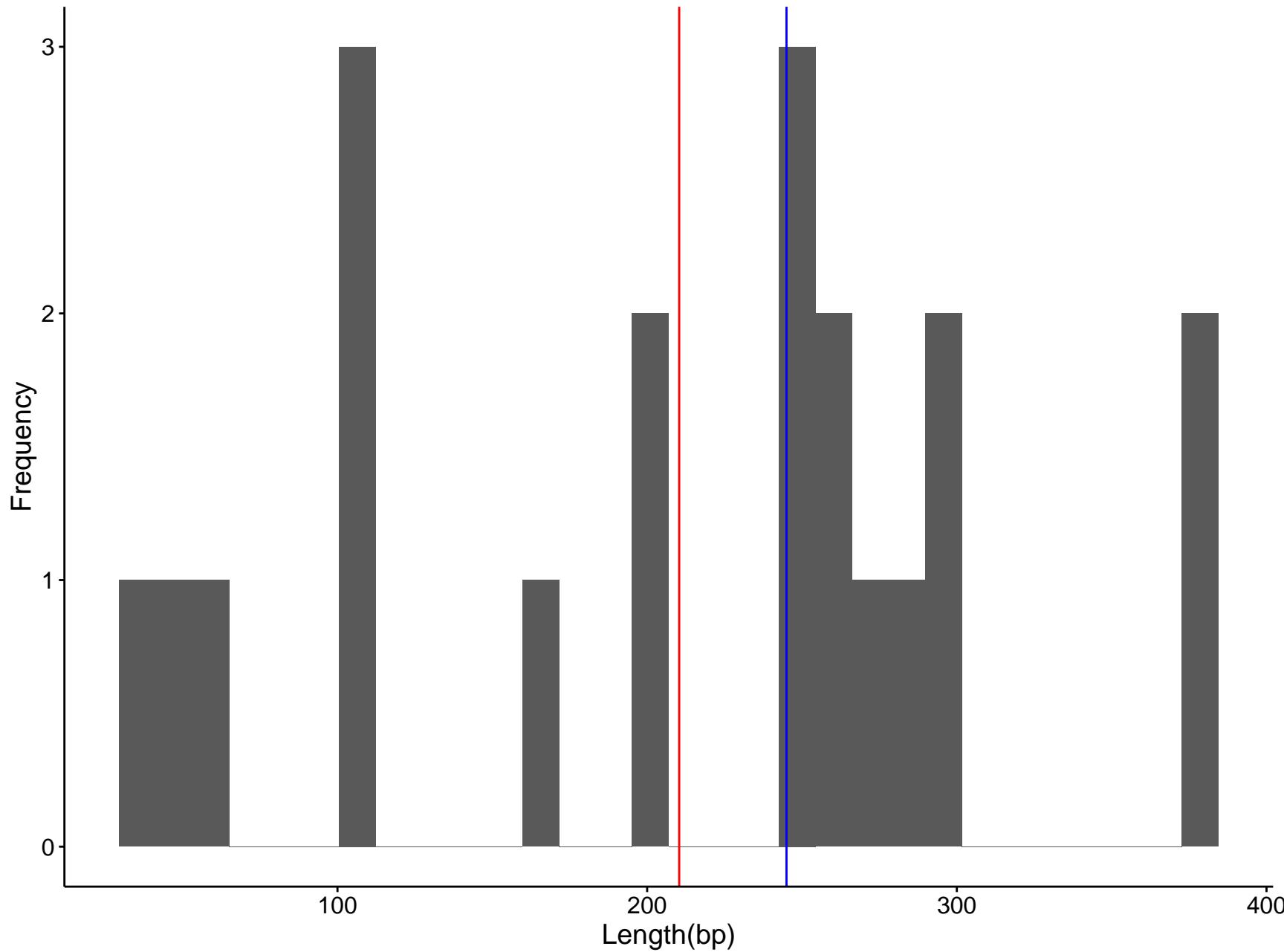
# Cluster2976



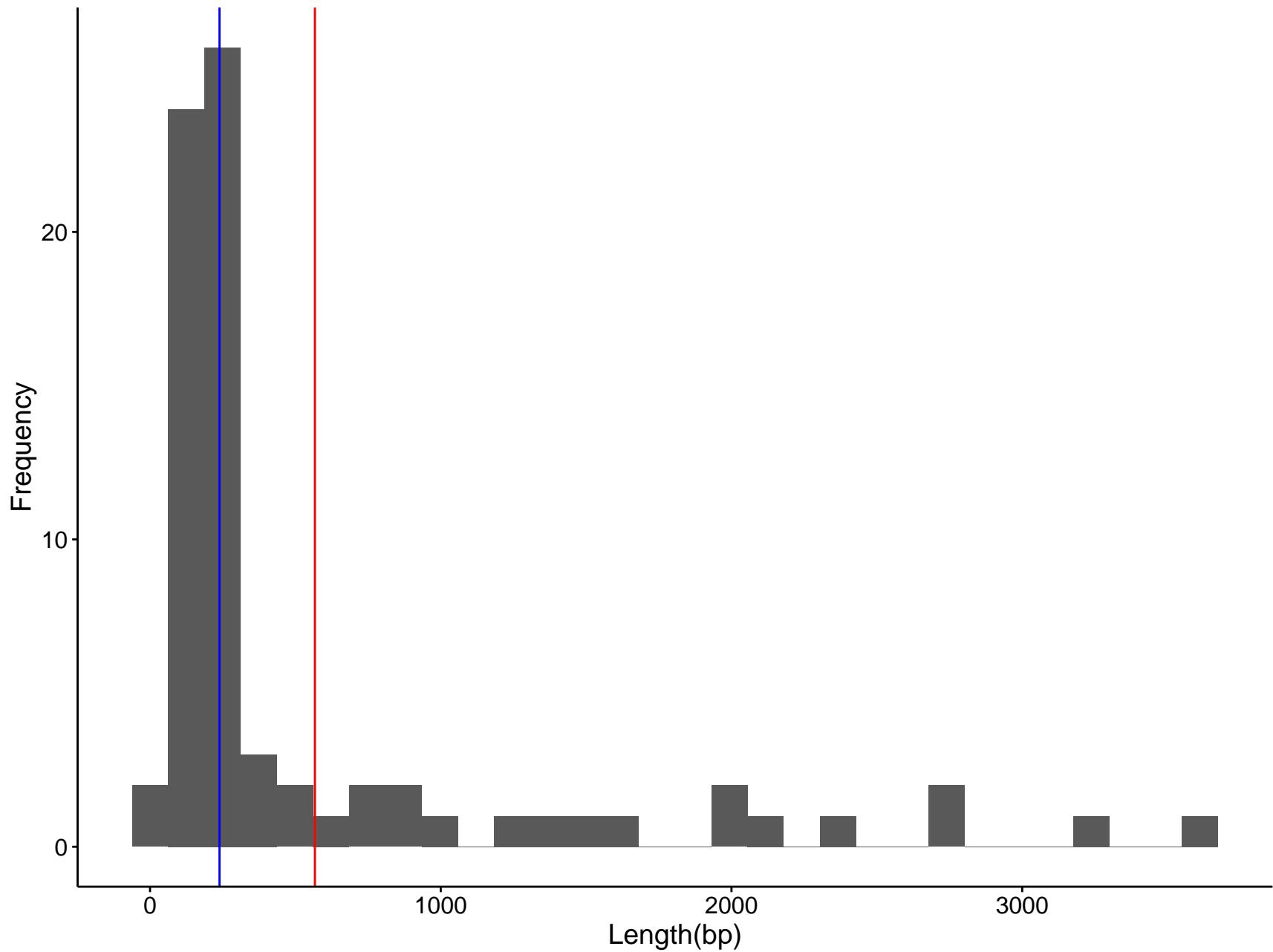
# Cluster2977



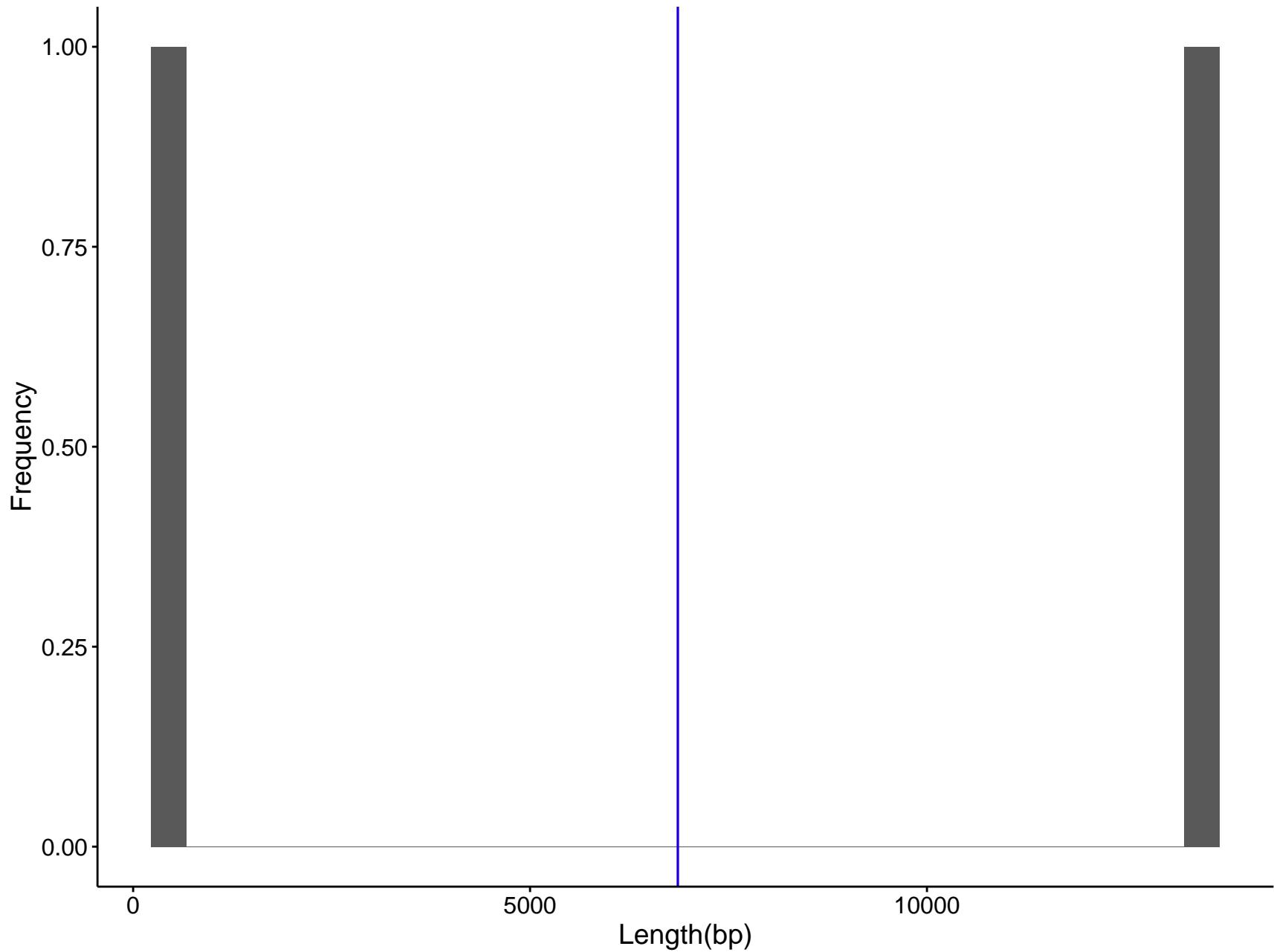
Cluster2978



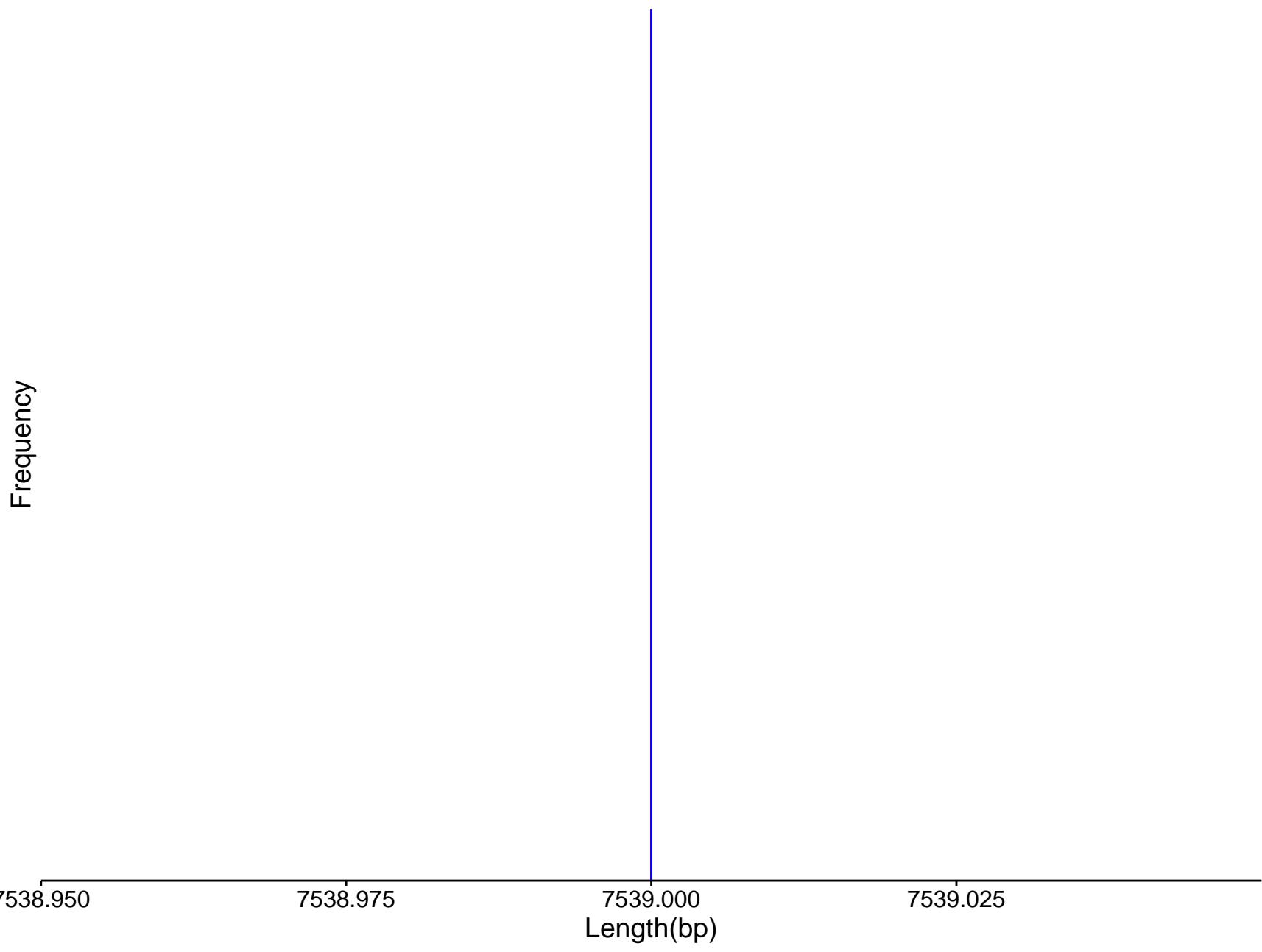
Cluster2979



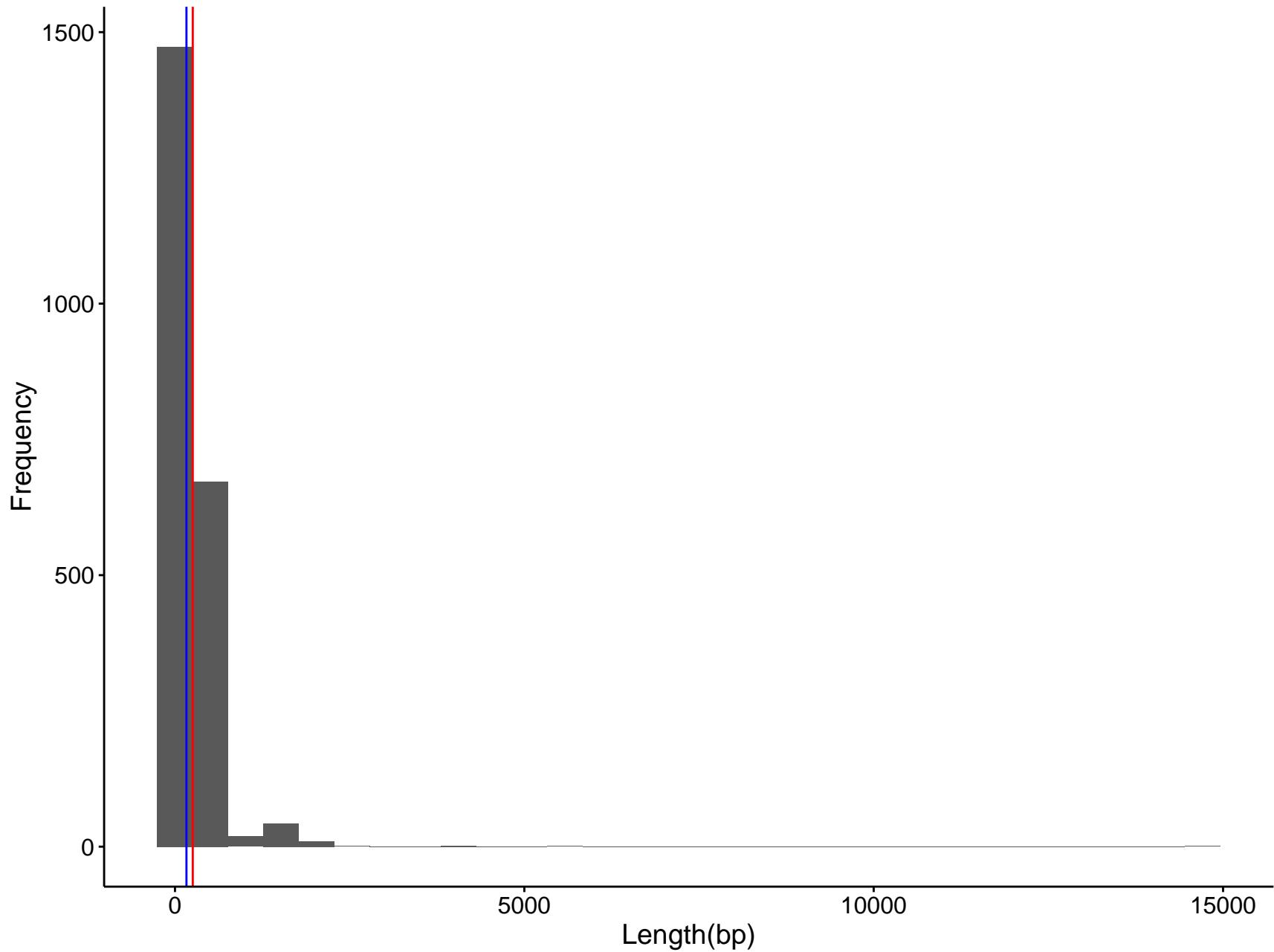
Cluster2980



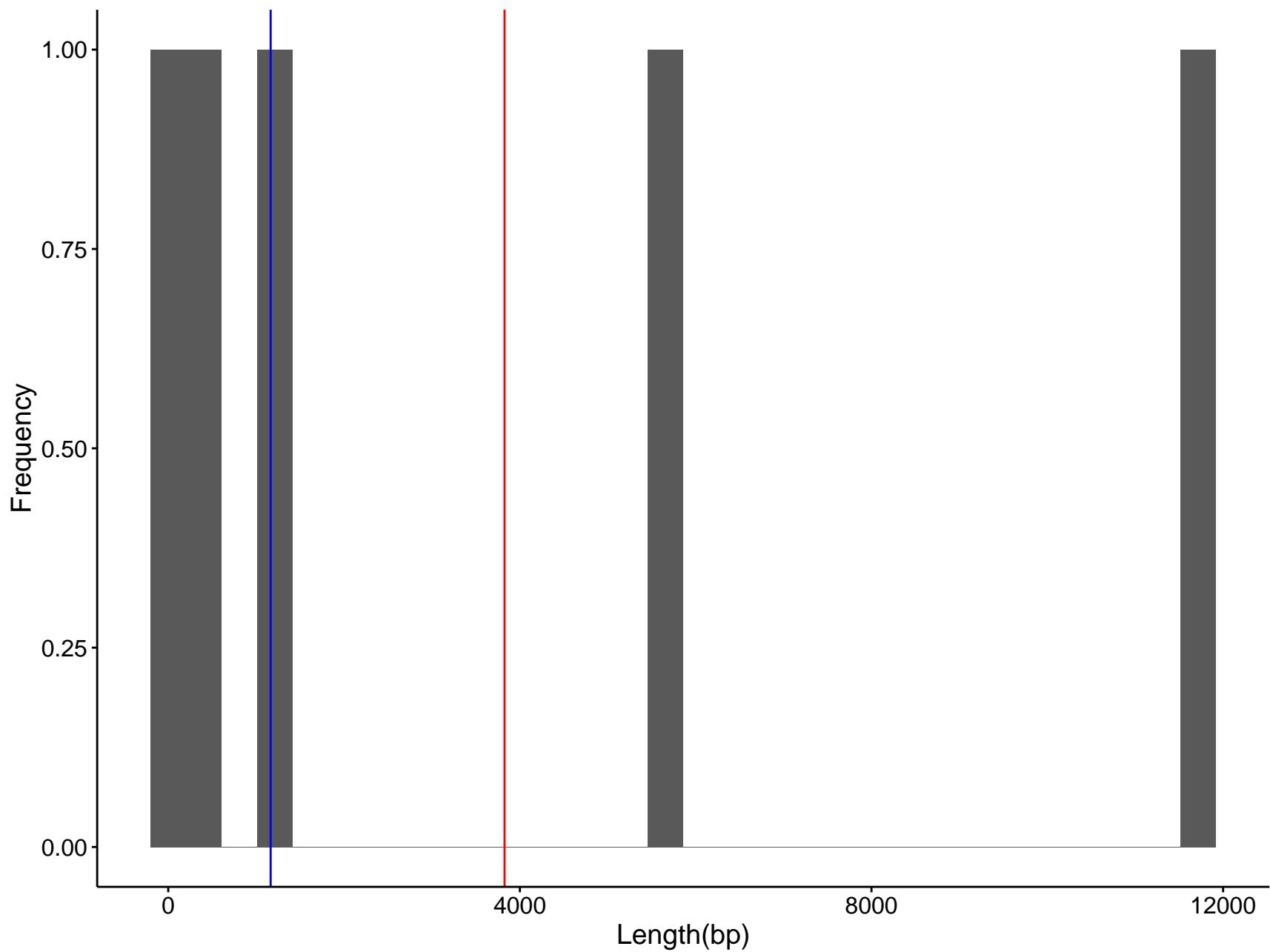
# Cluster2981



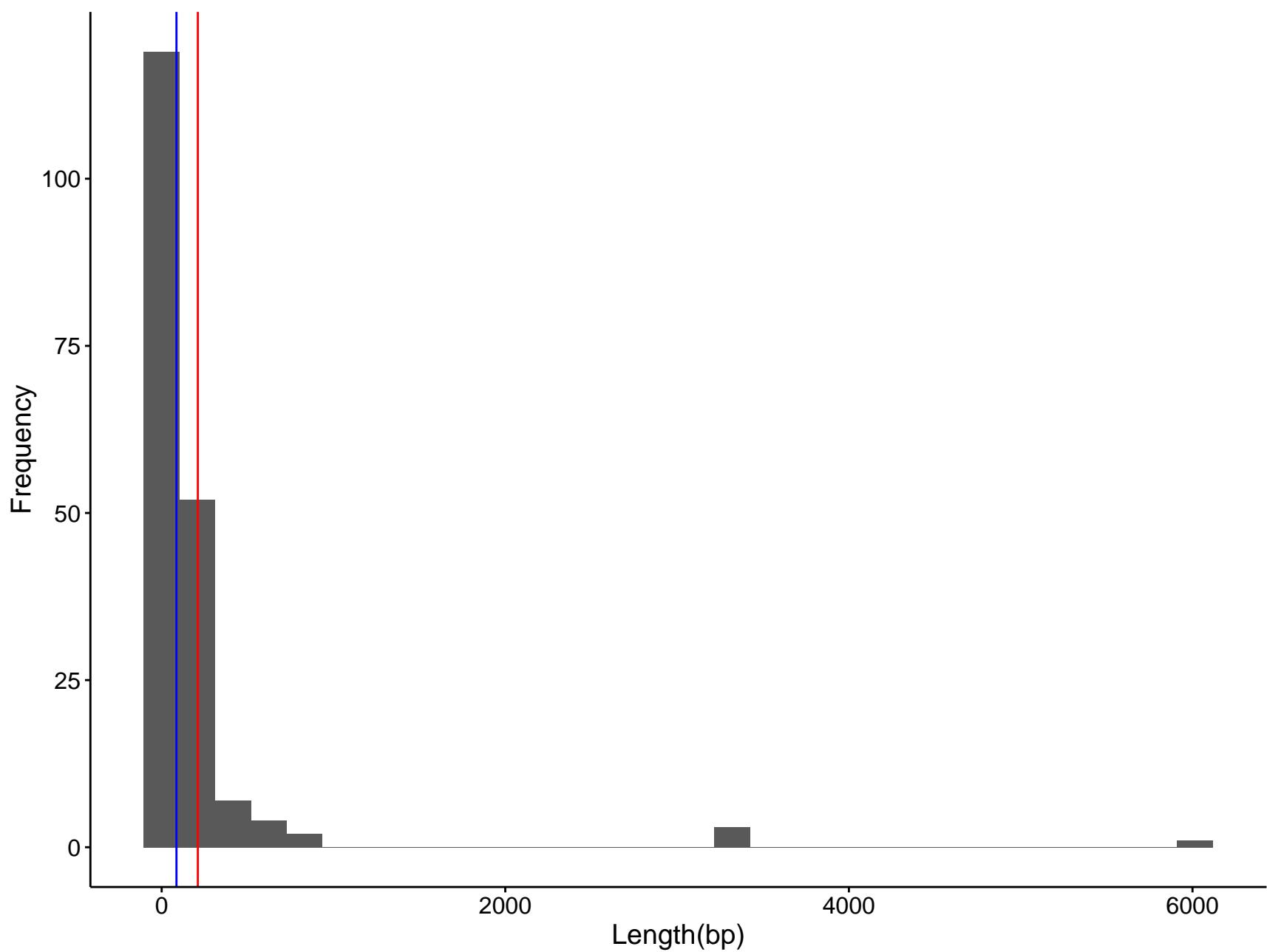
Cluster2982



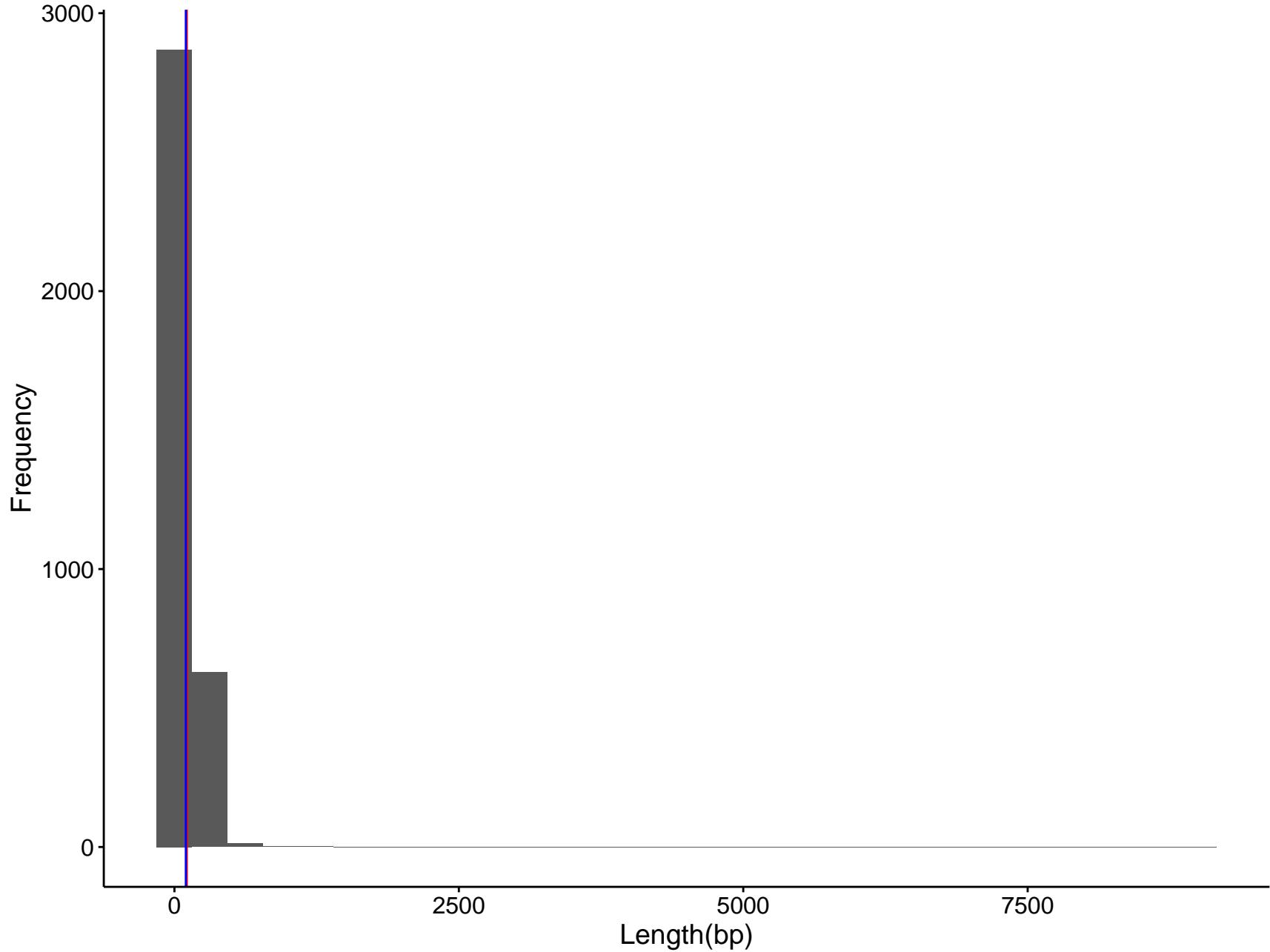
Cluster2984



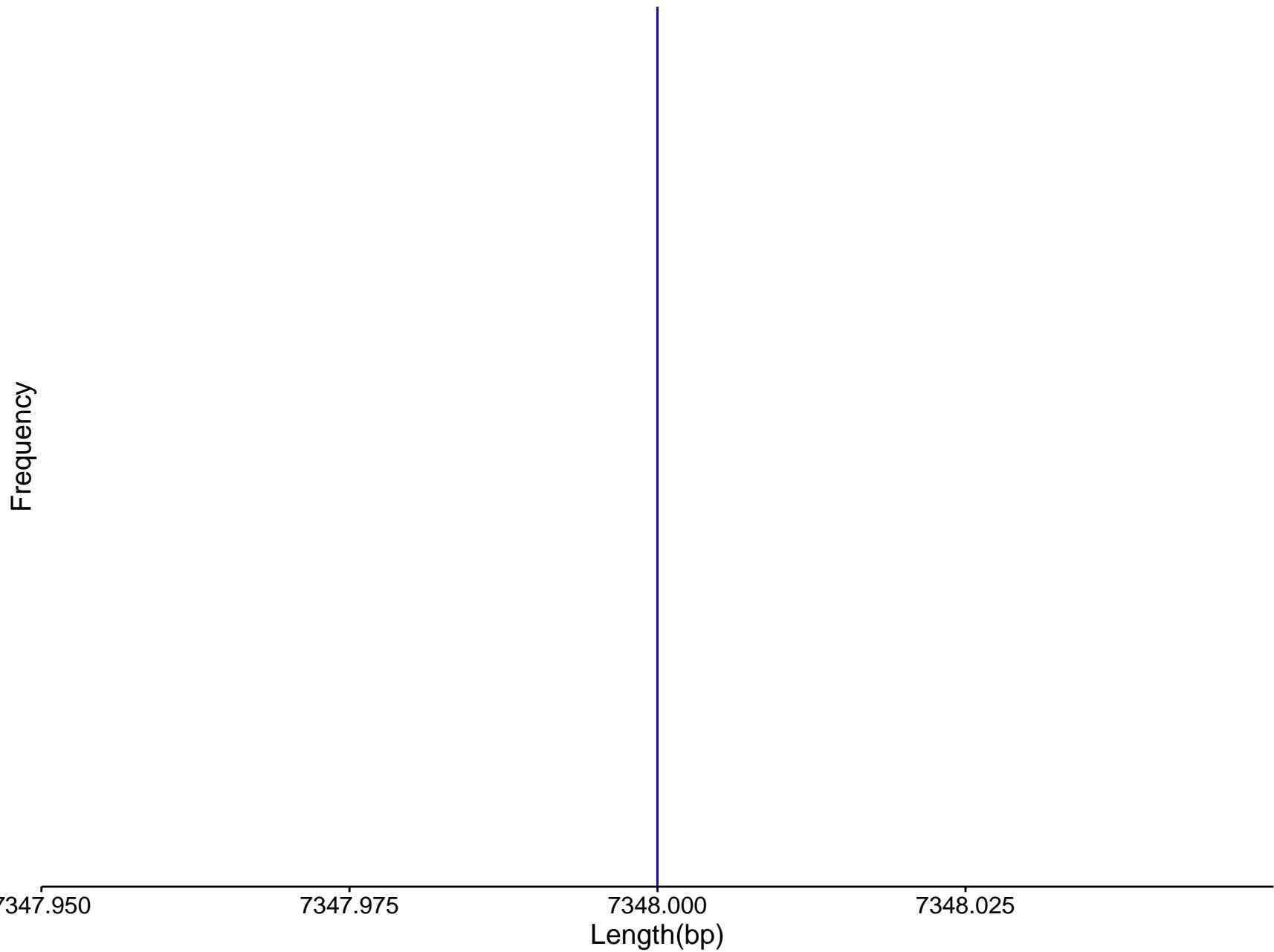
Cluster2985



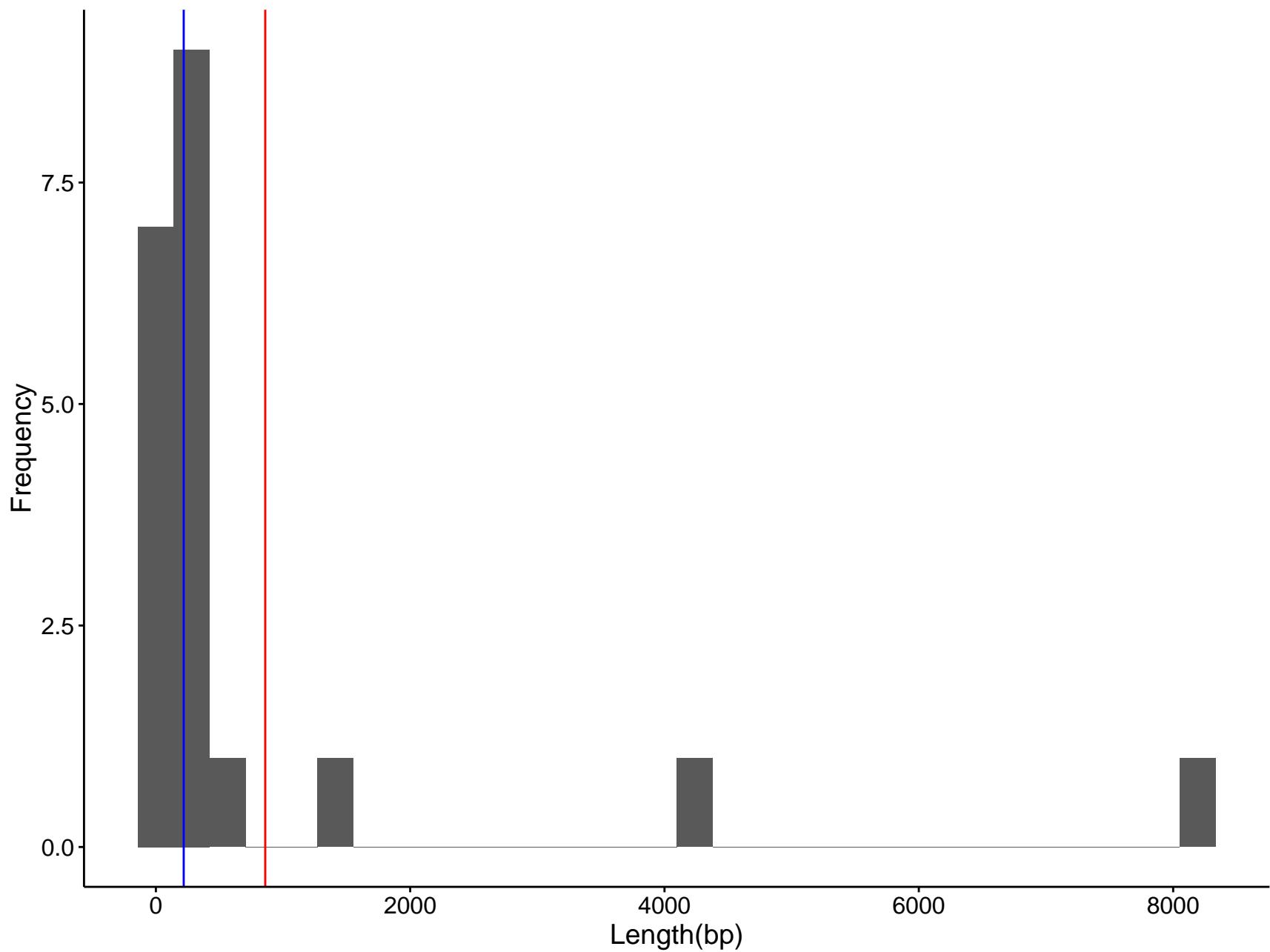
Cluster2986



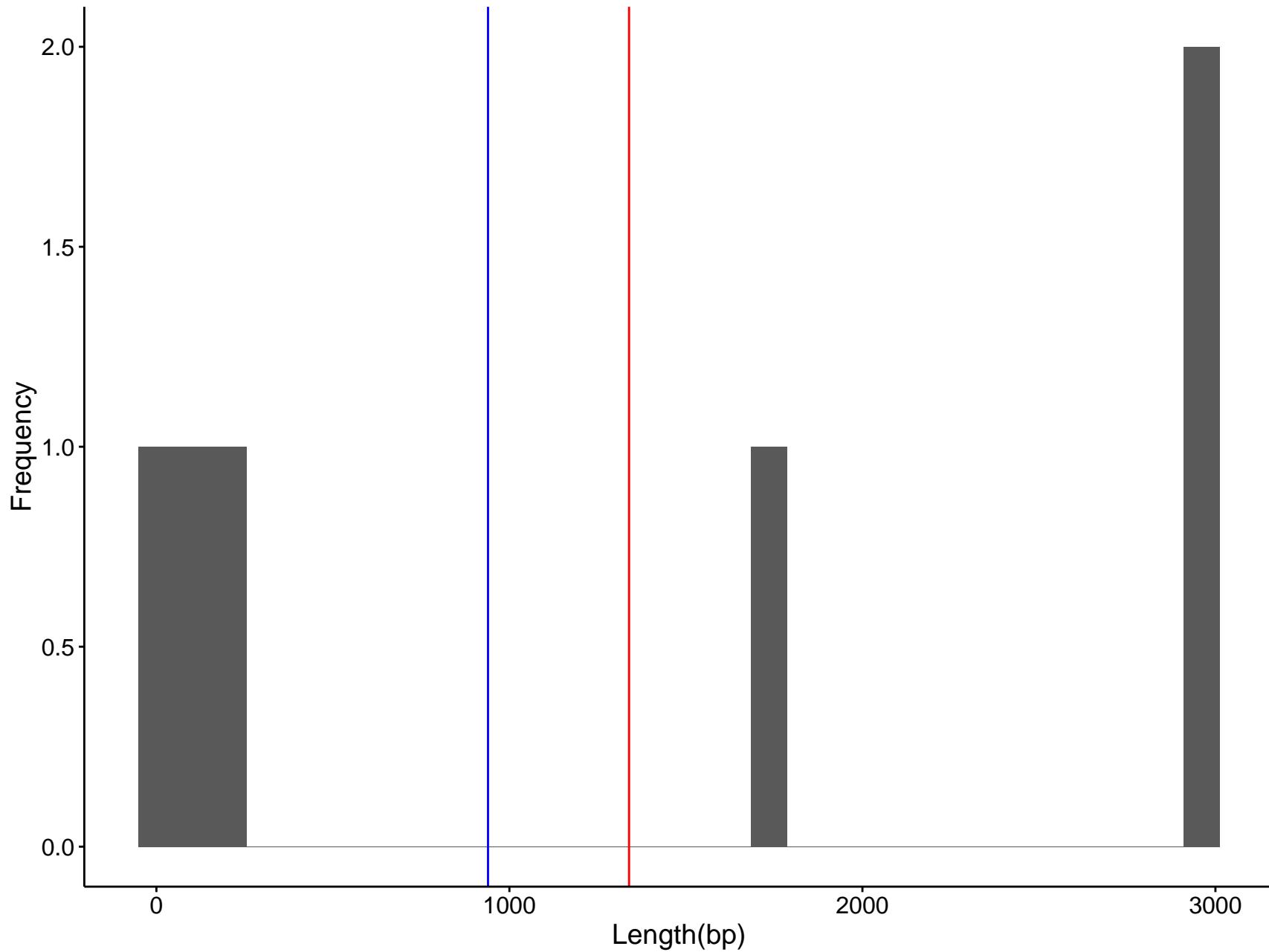
# Cluster2987



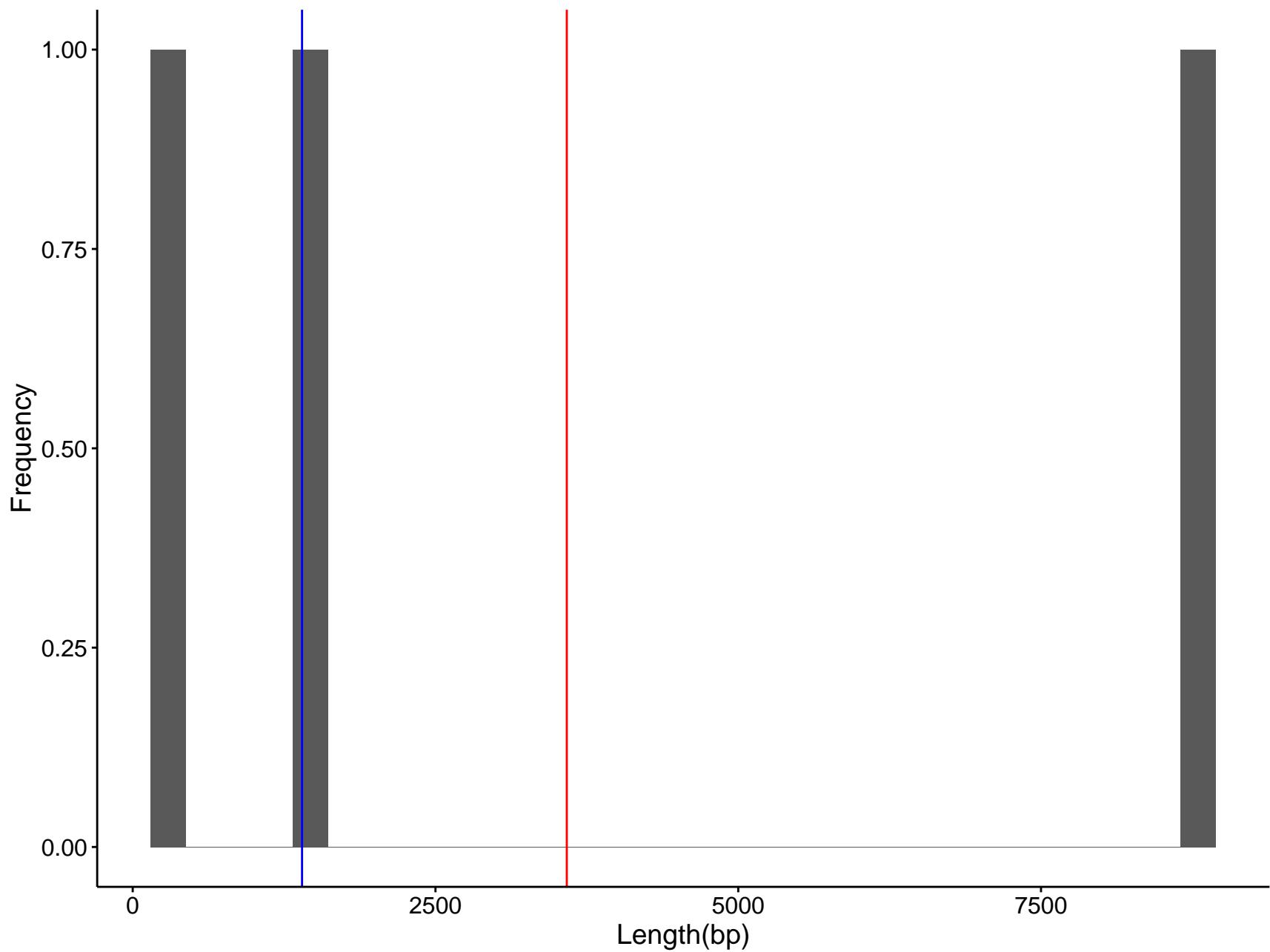
Cluster2988



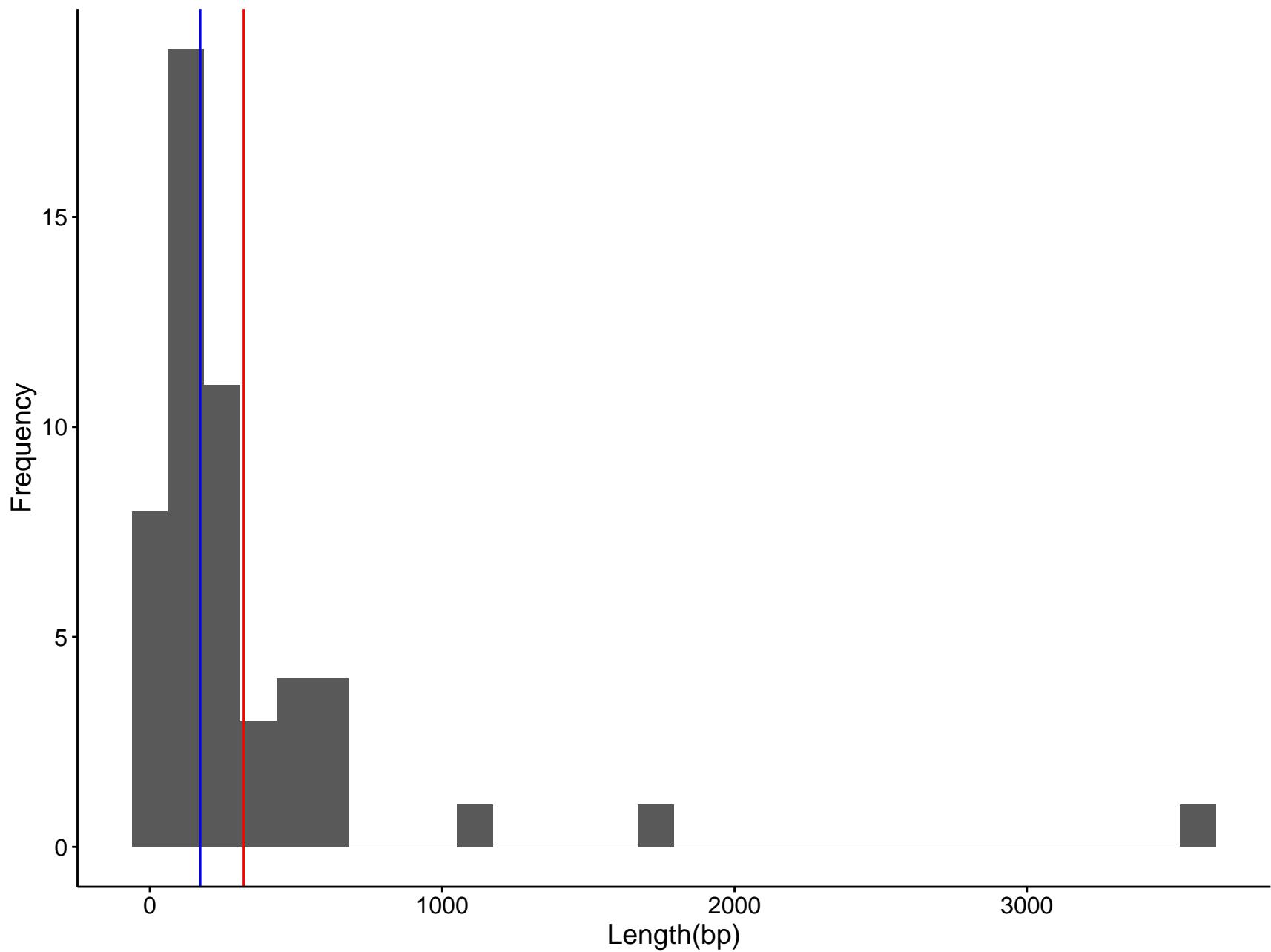
Cluster2989



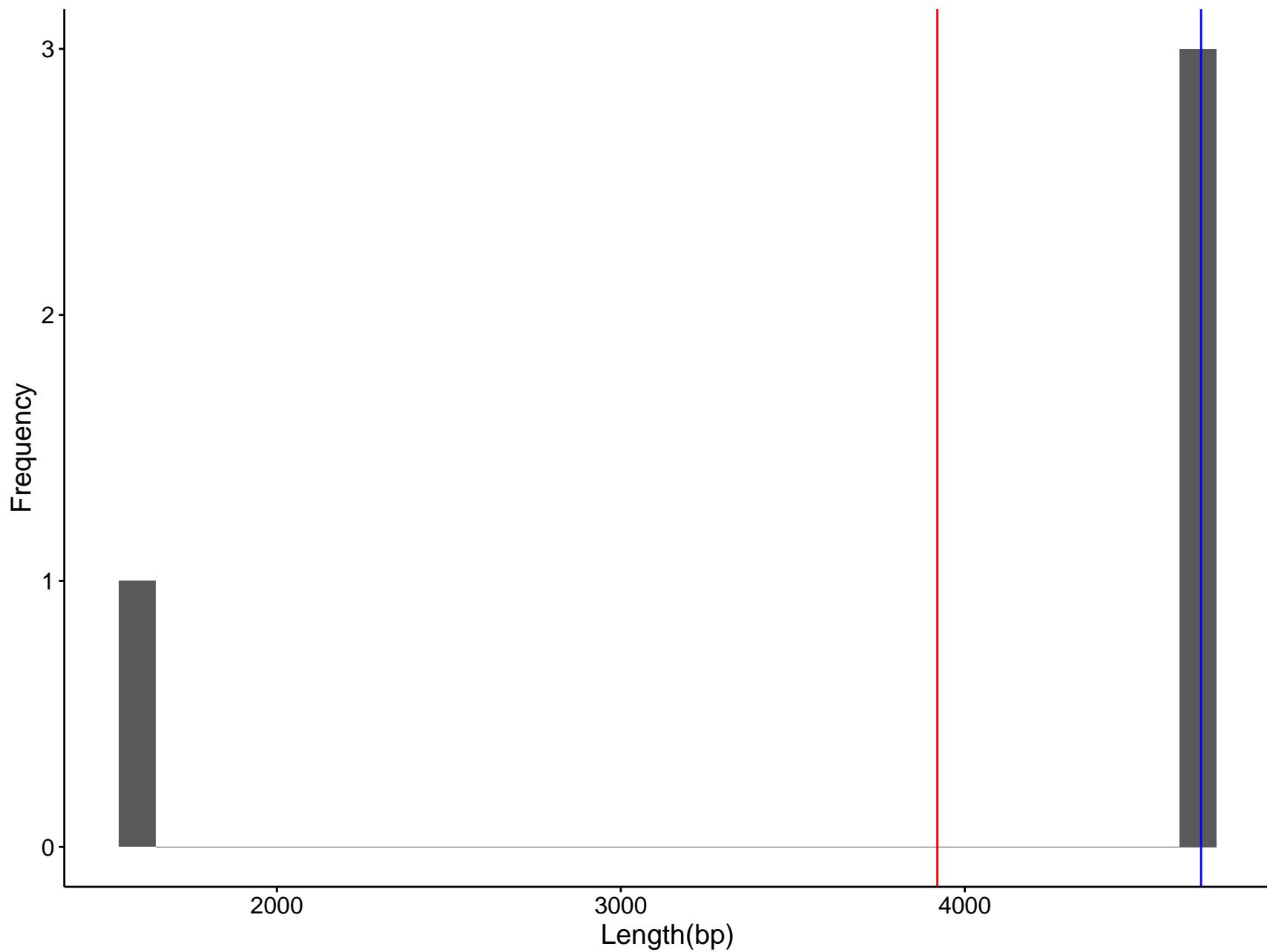
Cluster2990



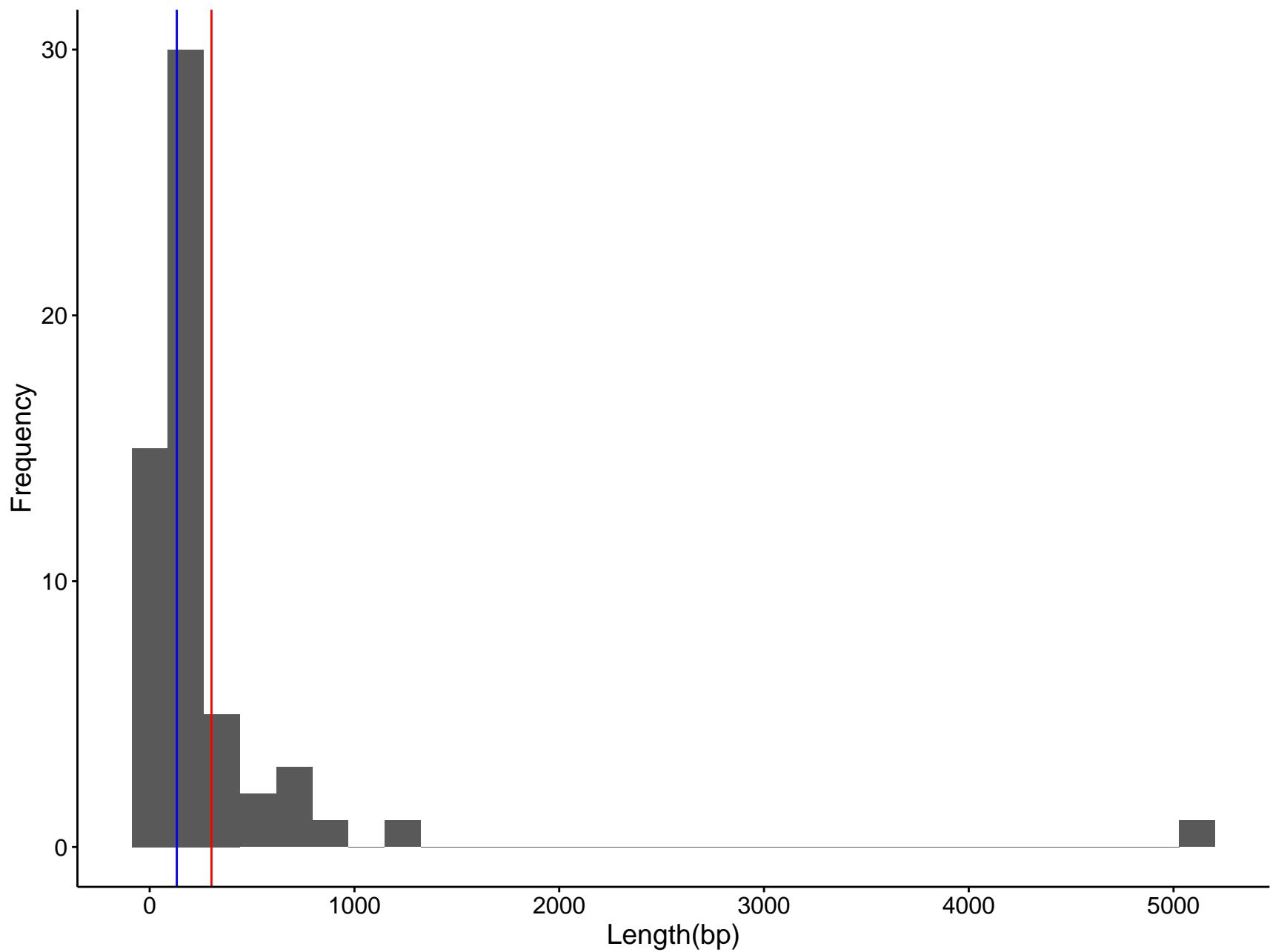
Cluster2991



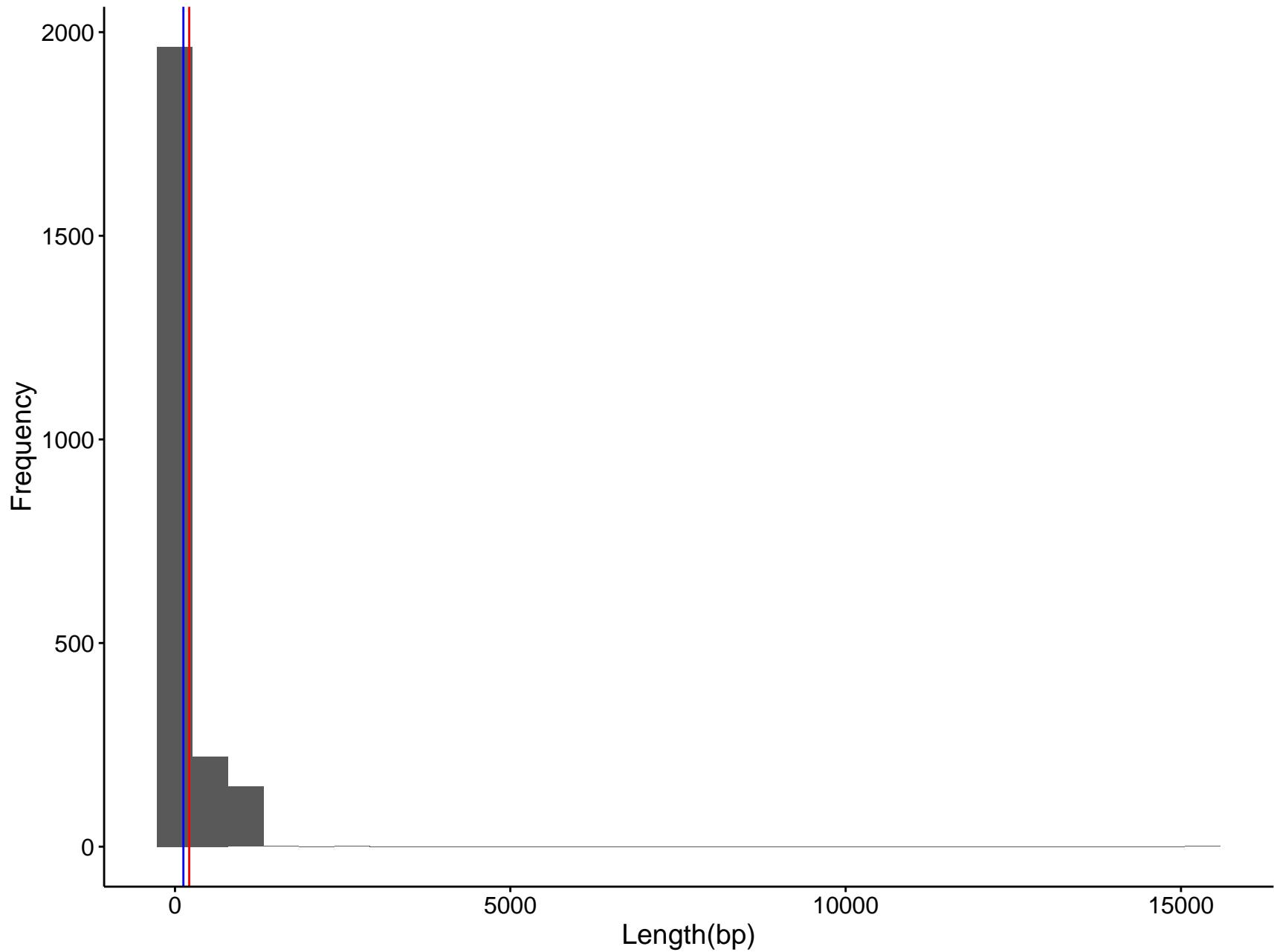
Cluster2992



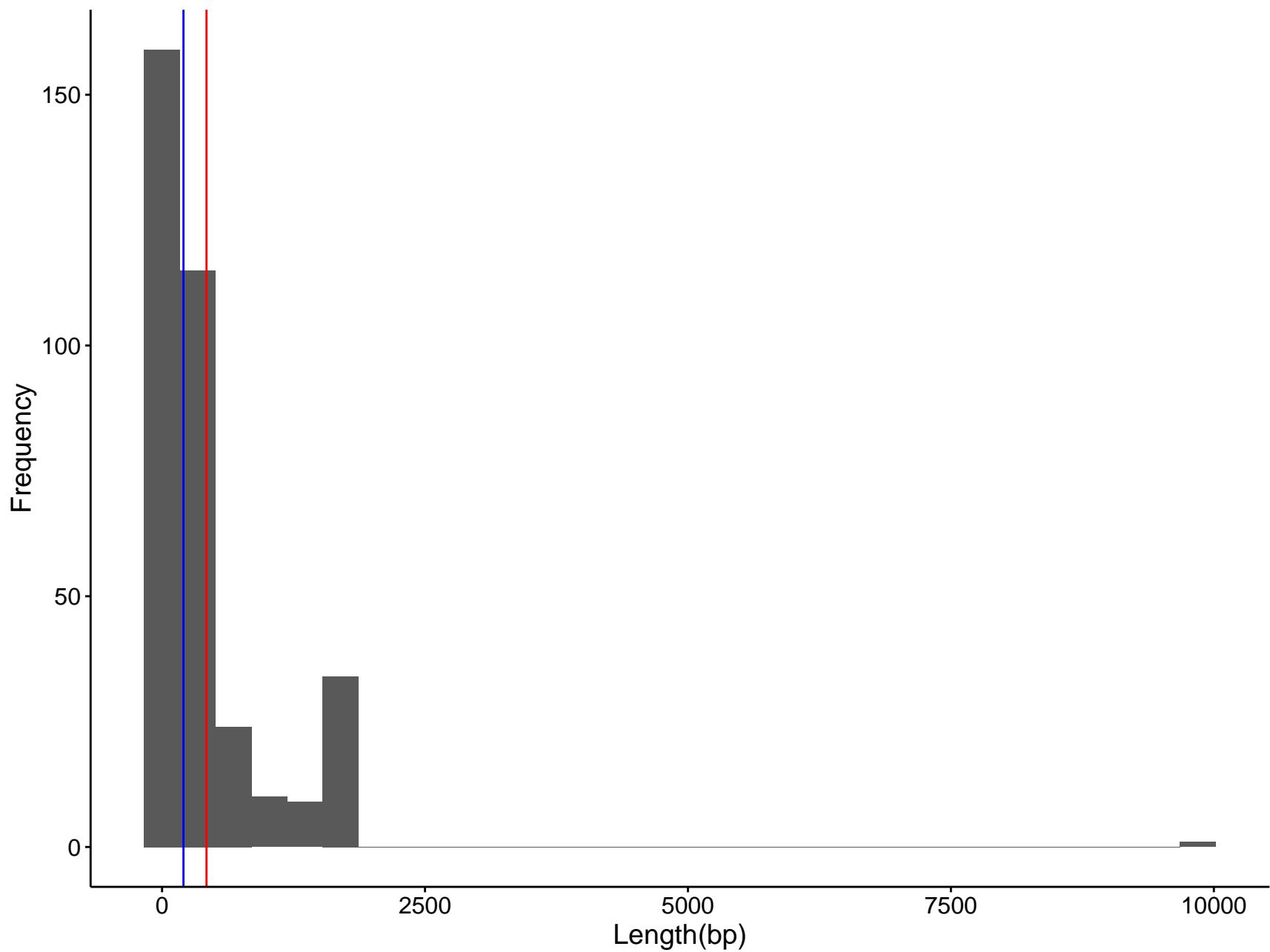
Cluster2994



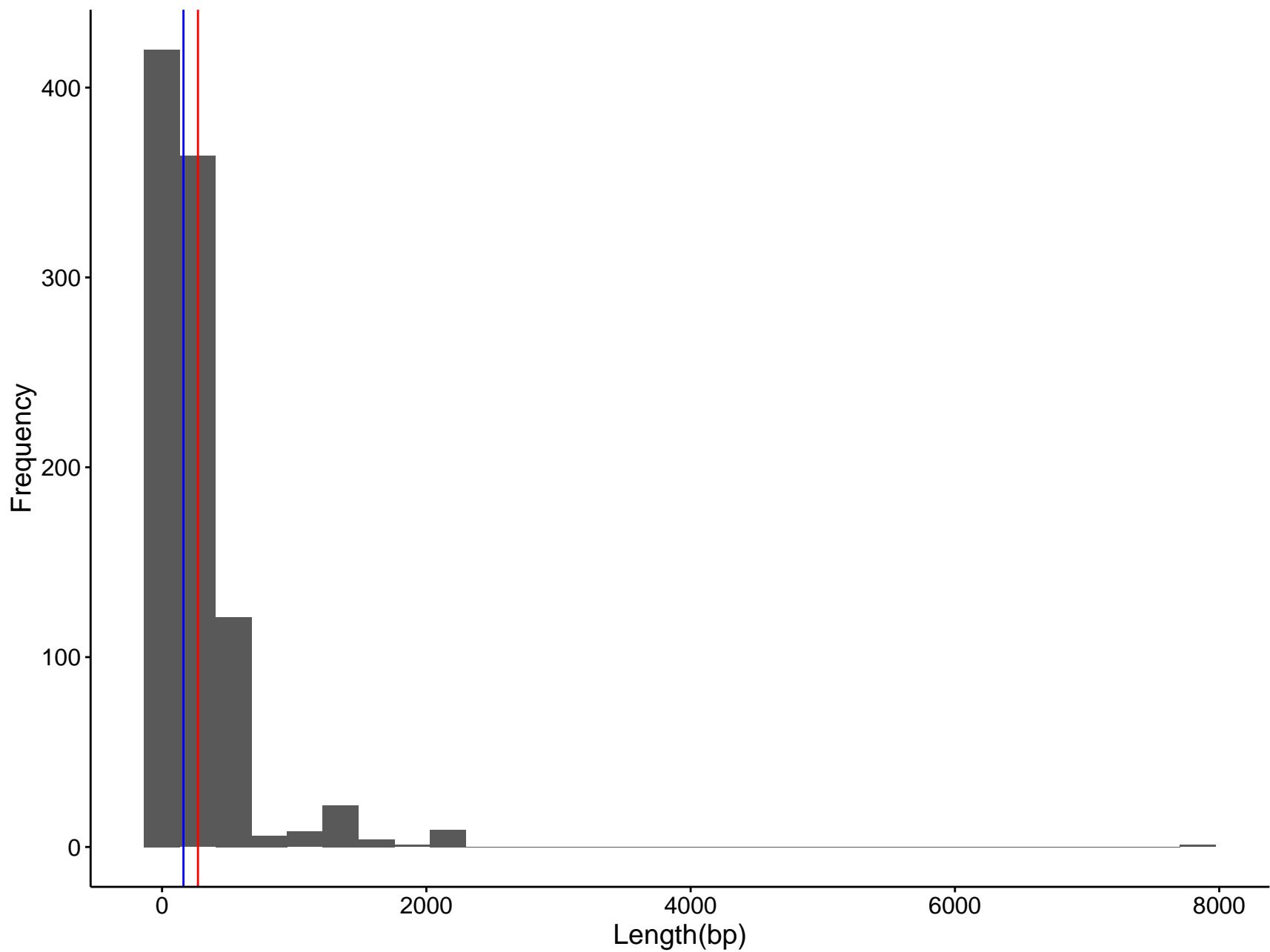
Cluster2995



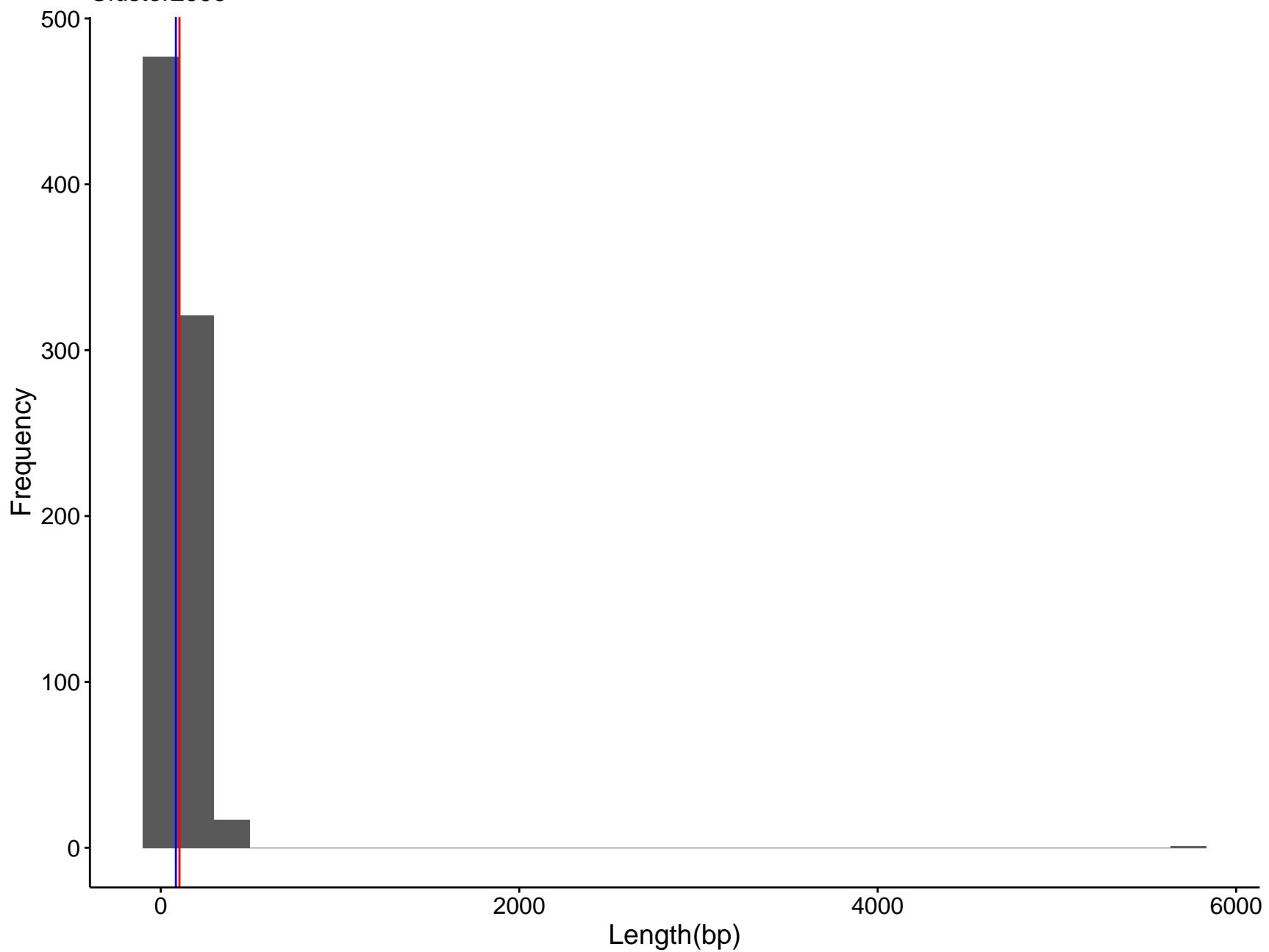
Cluster2996



Cluster2997



Cluster2999



# Cluster3000

Frequency

5457.950

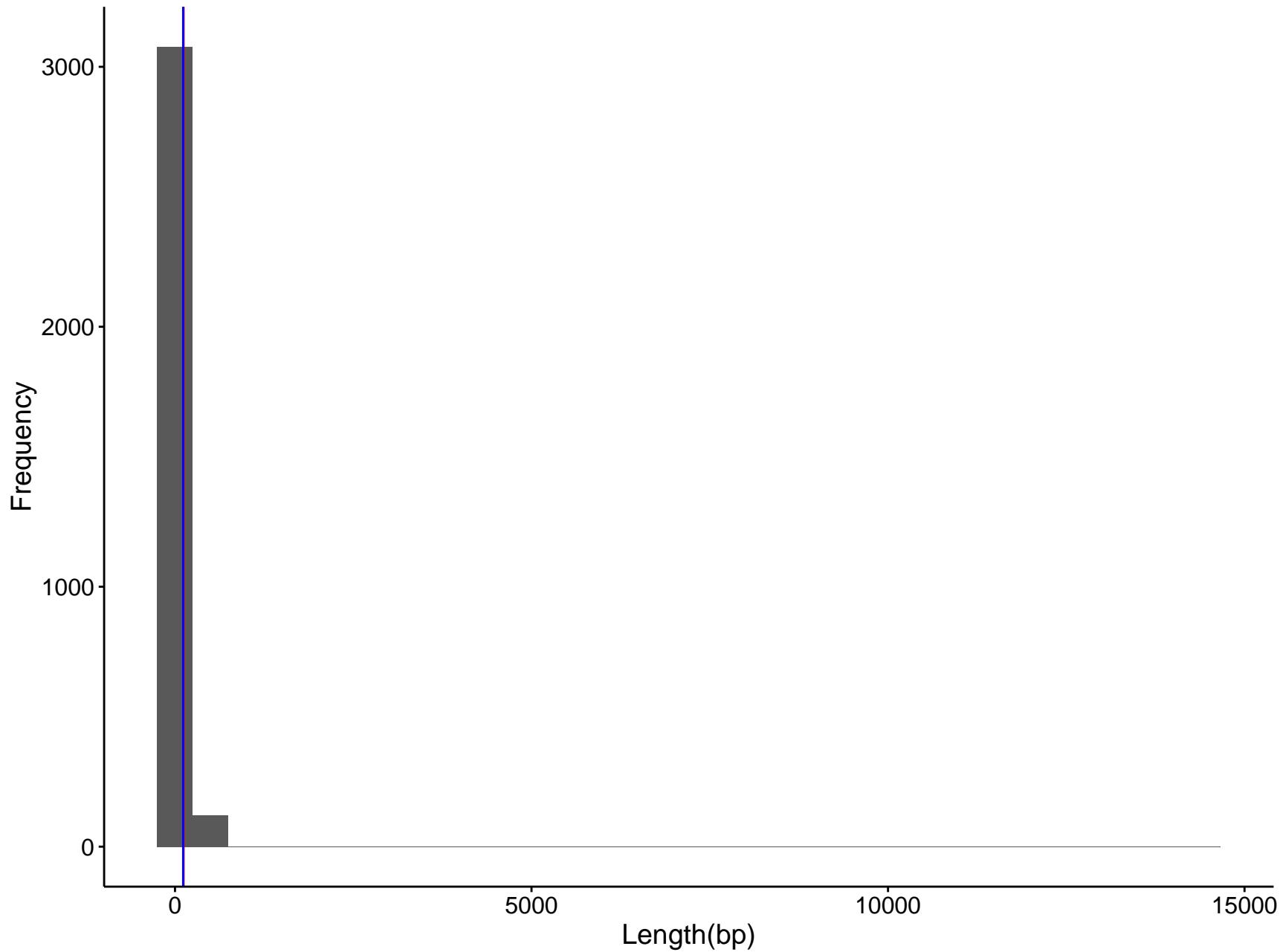
5457.975

5458.000  
Length(bp)

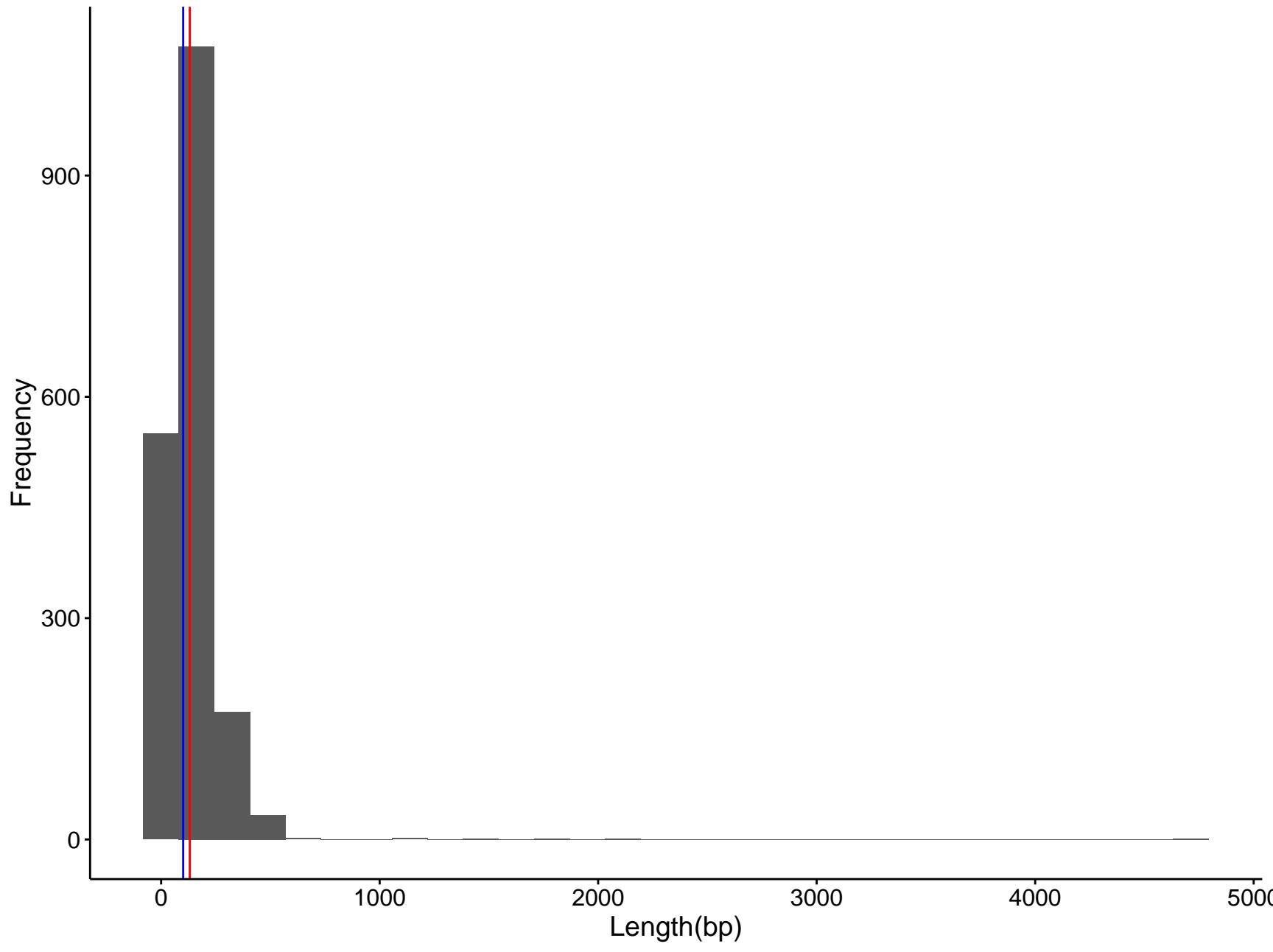
5458.025



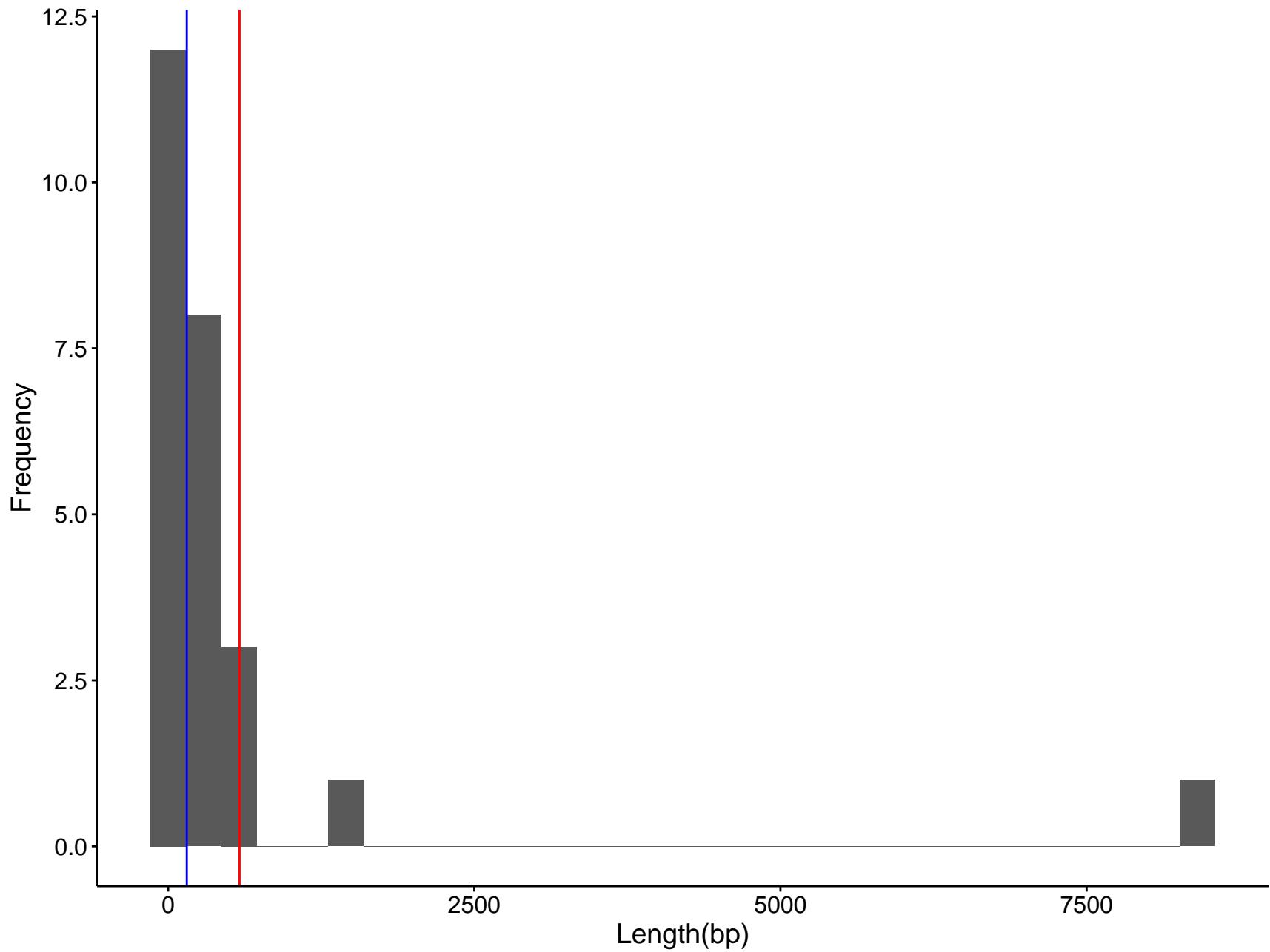
Cluster3002



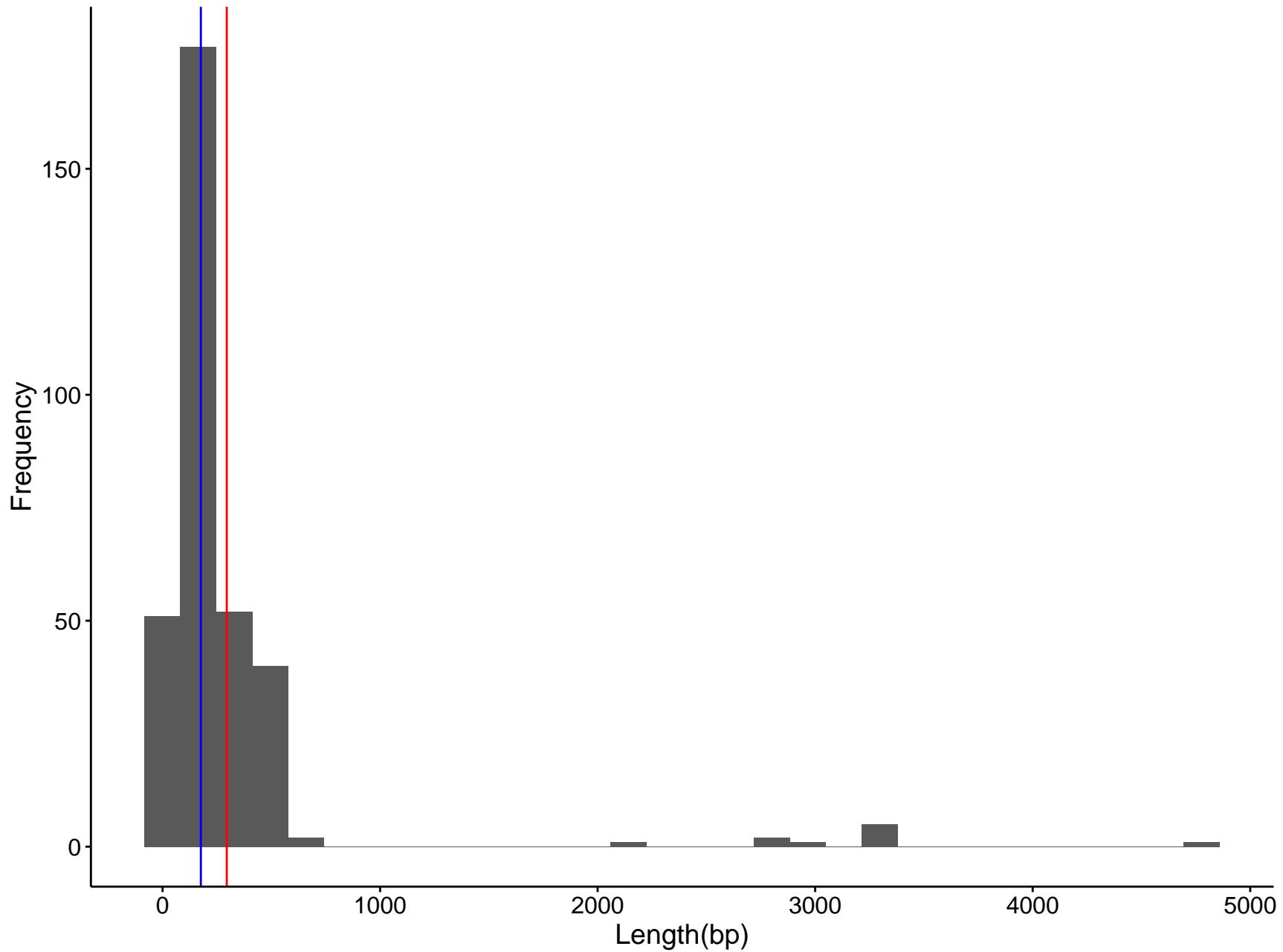
Cluster3003



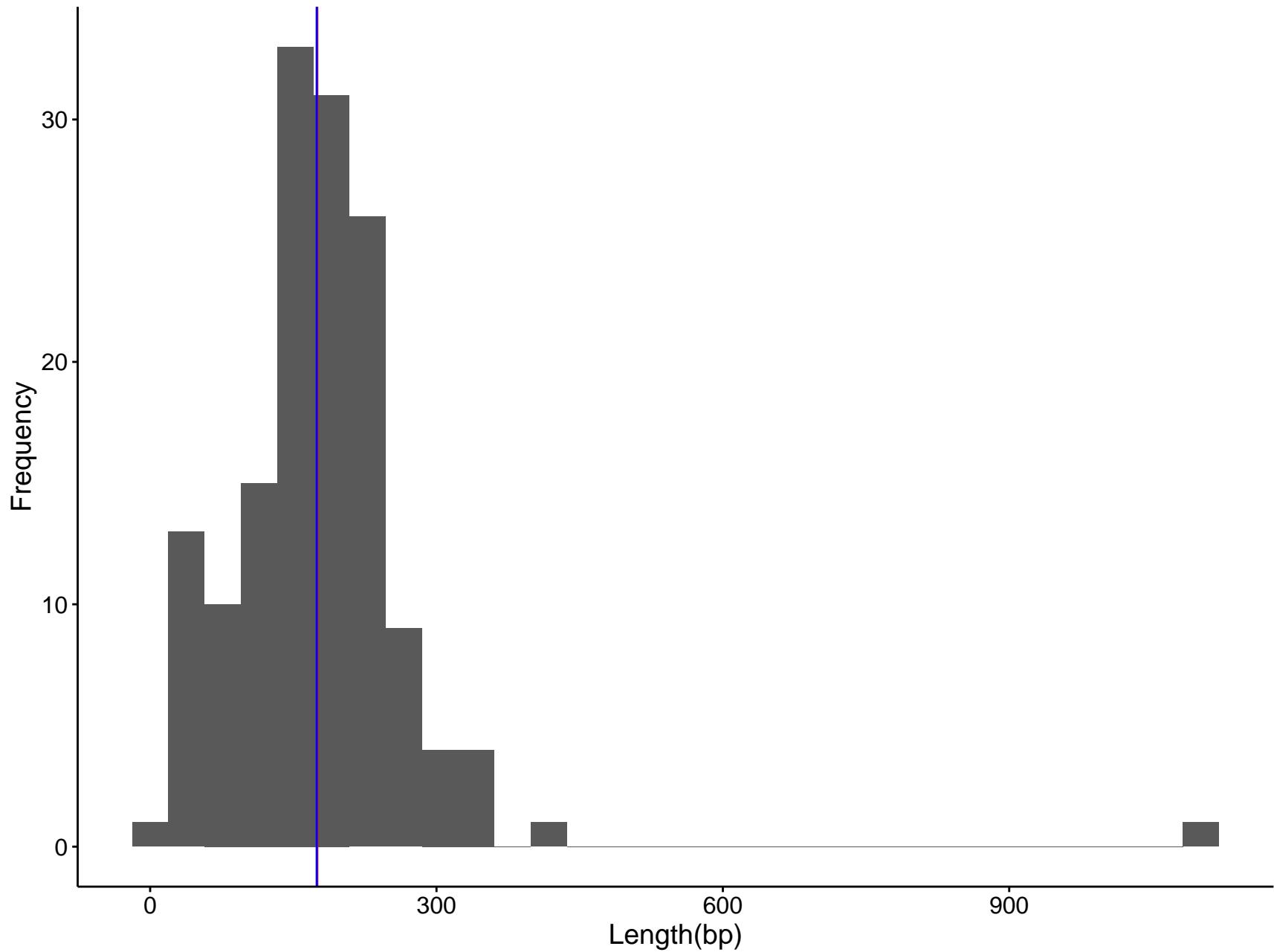
Cluster3004

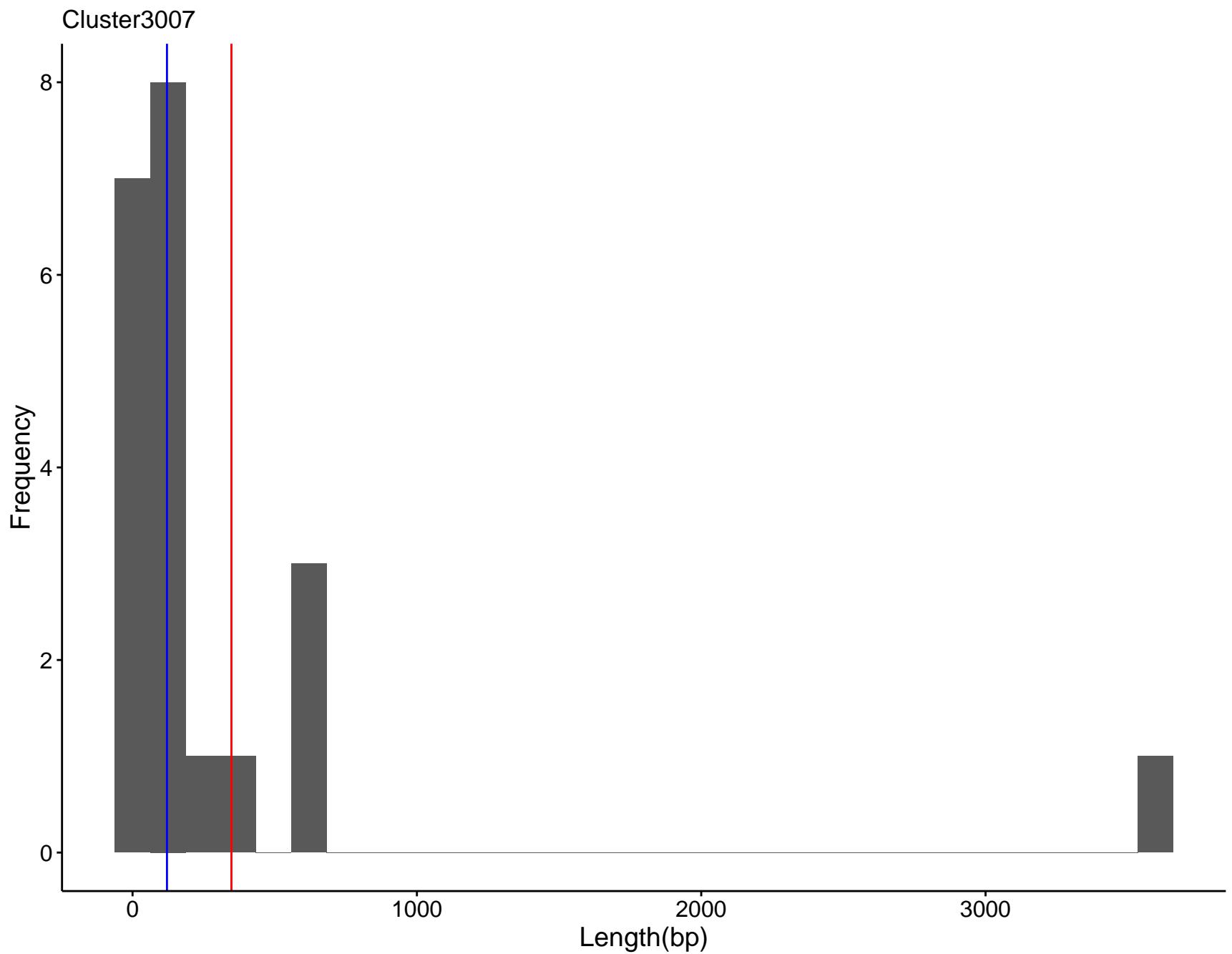


Cluster3005

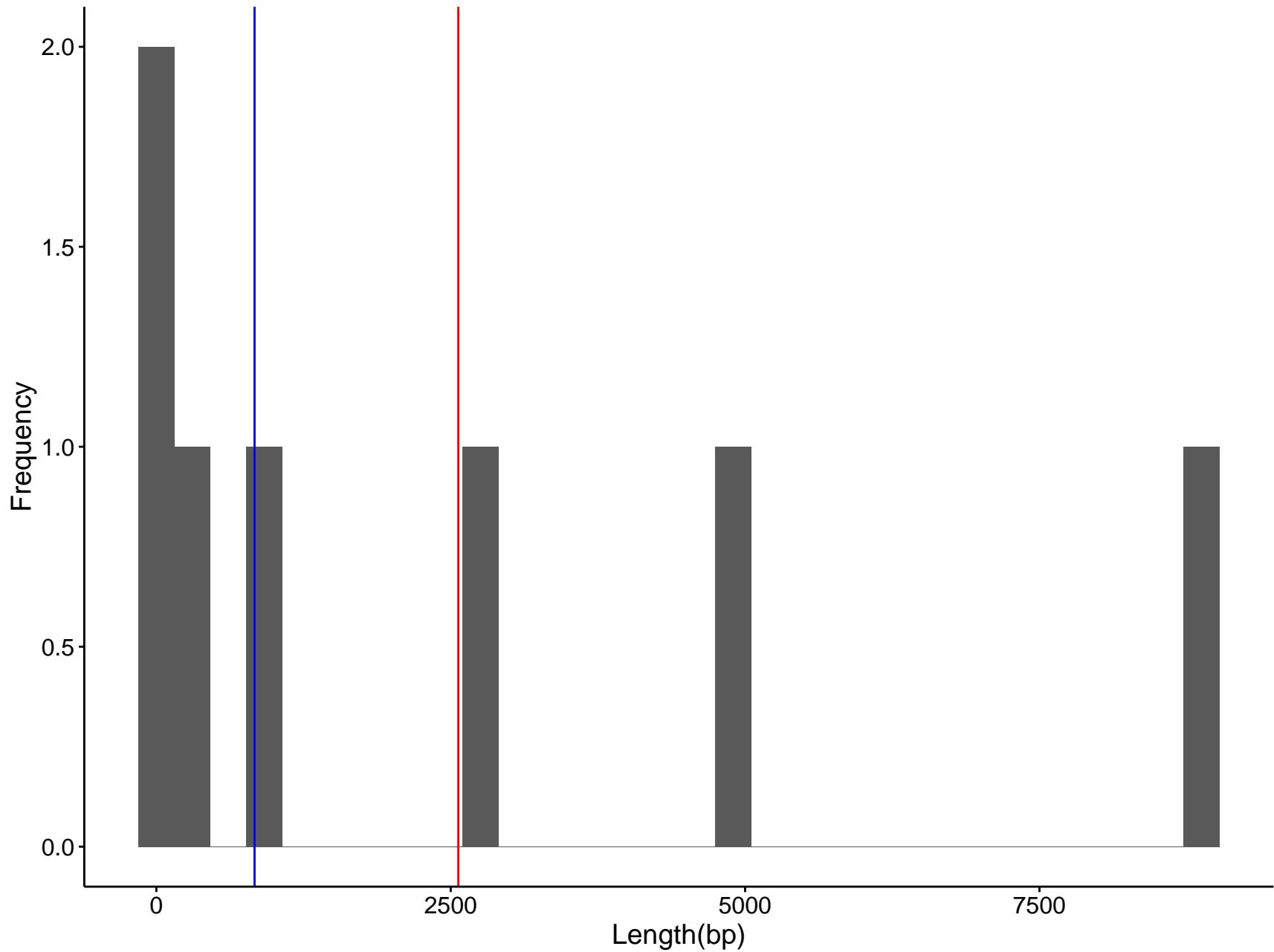


Cluster3006

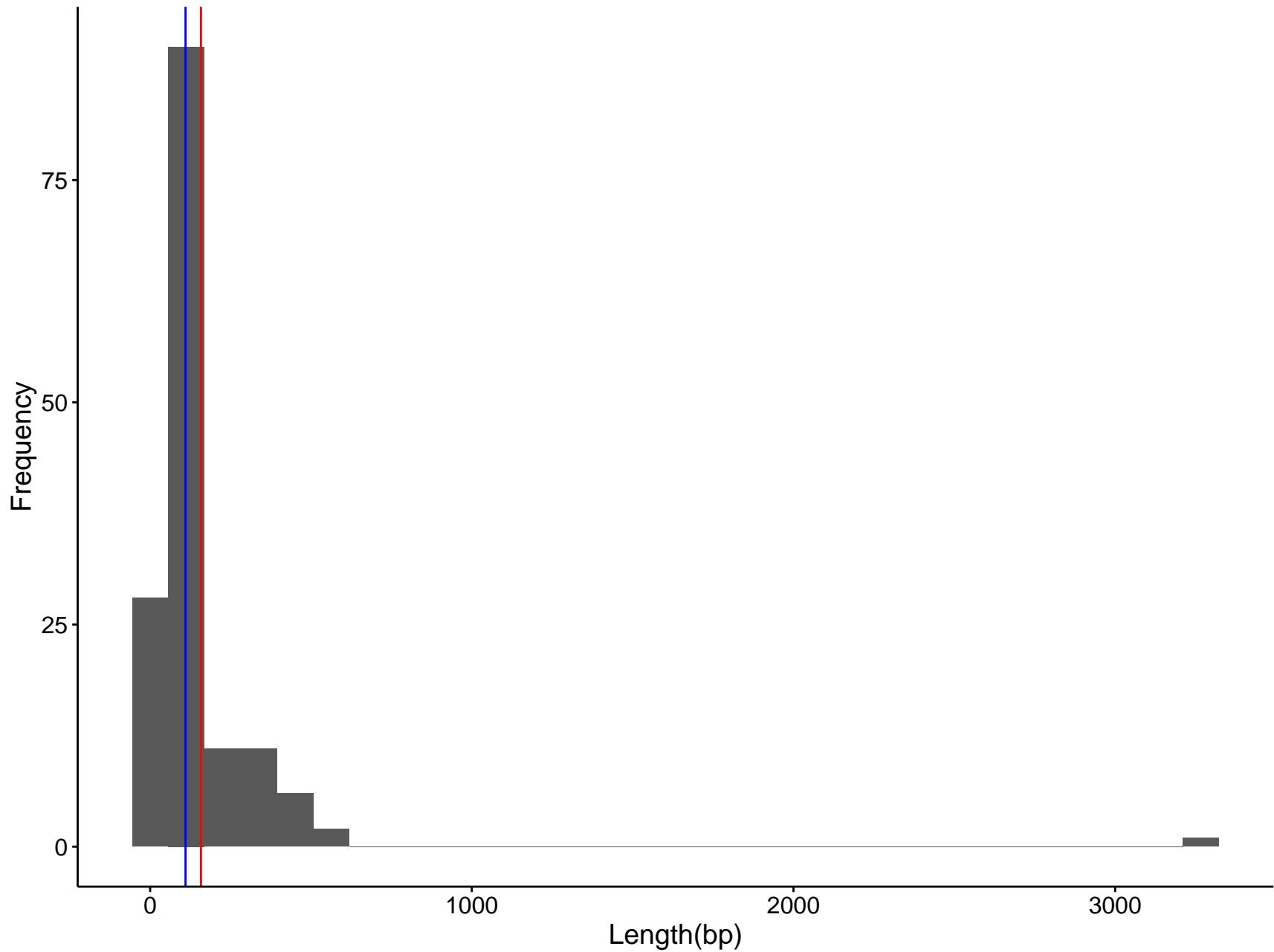




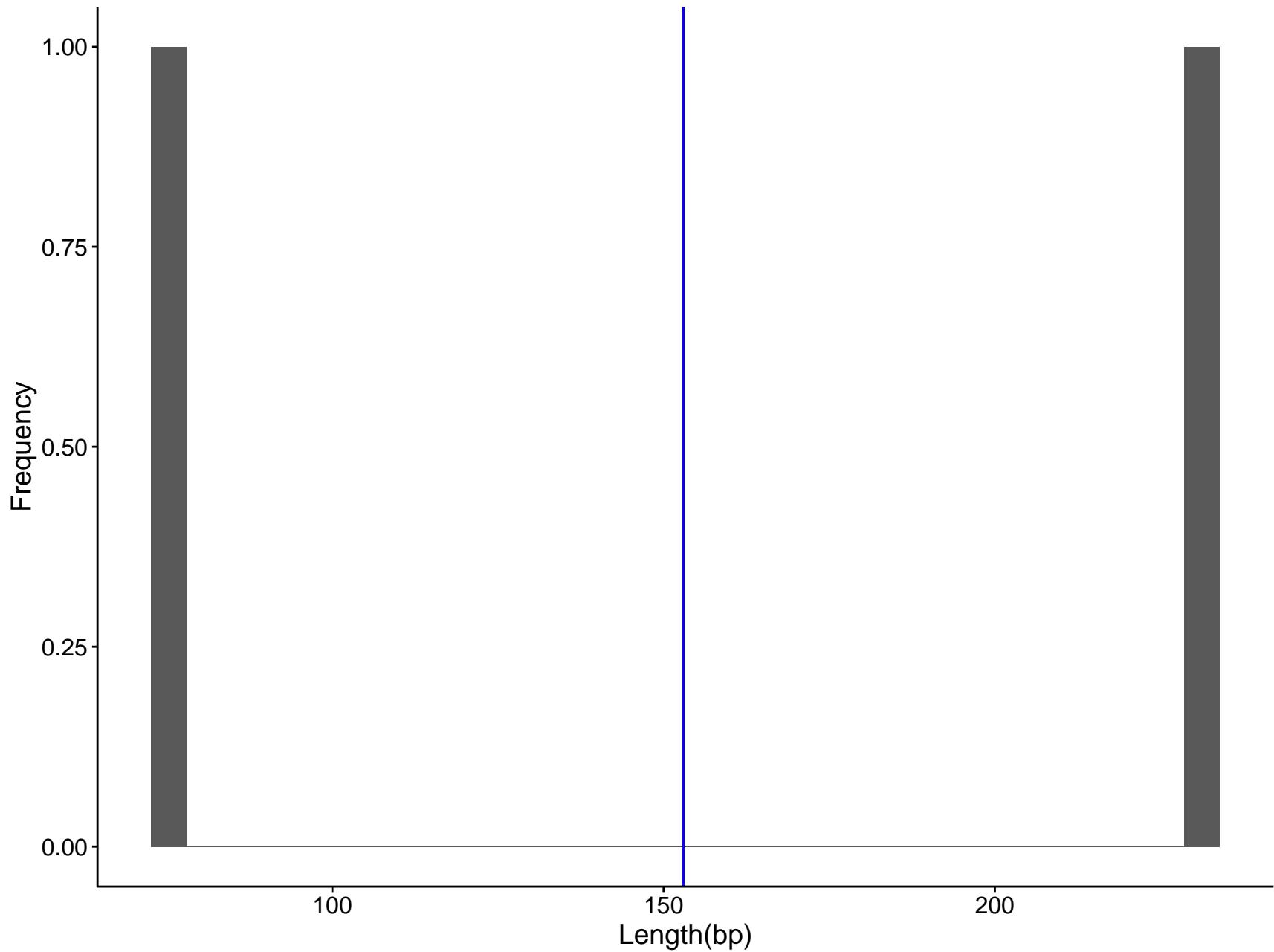
Cluster3008



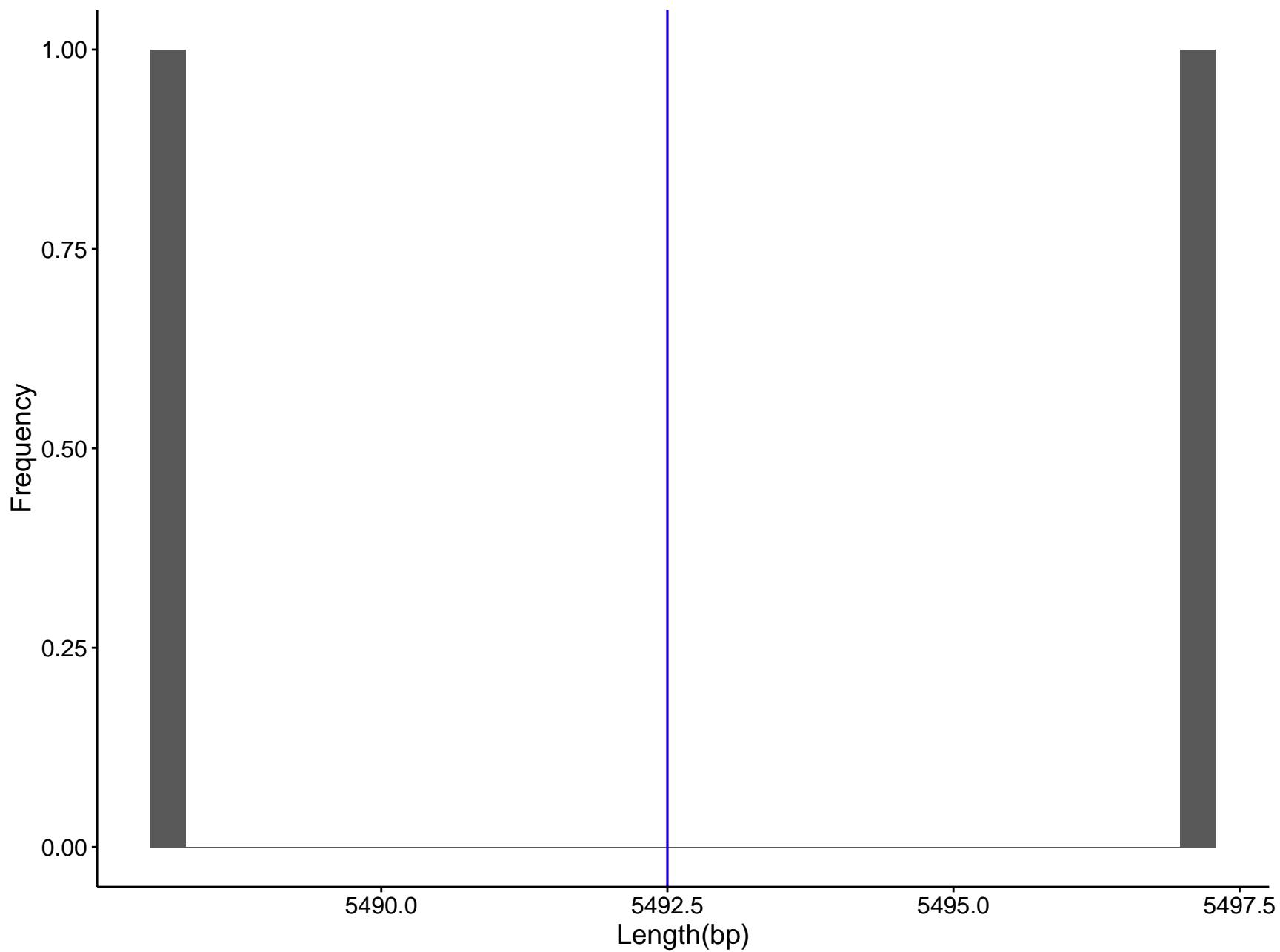
Cluster3009



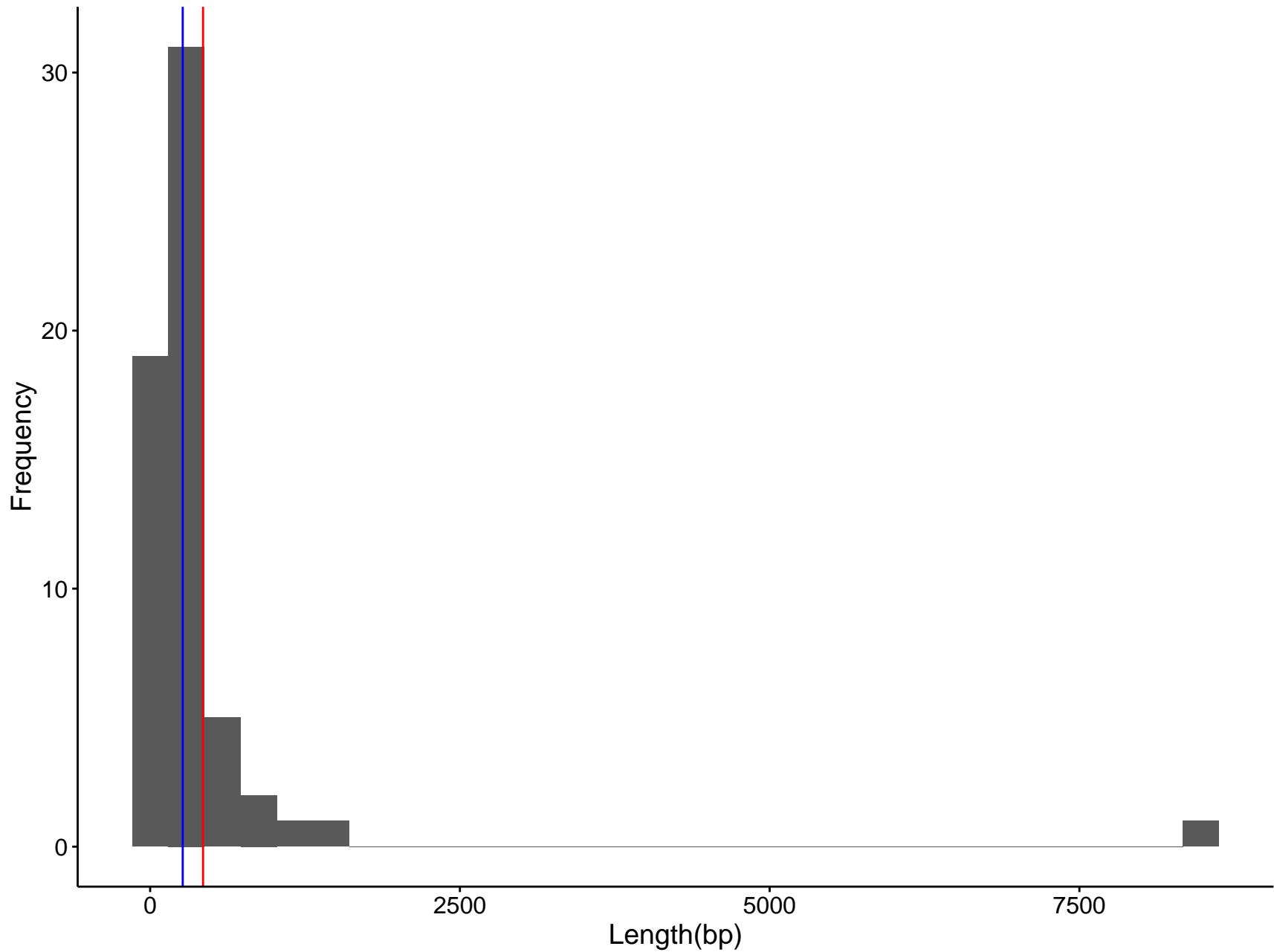
Cluster300



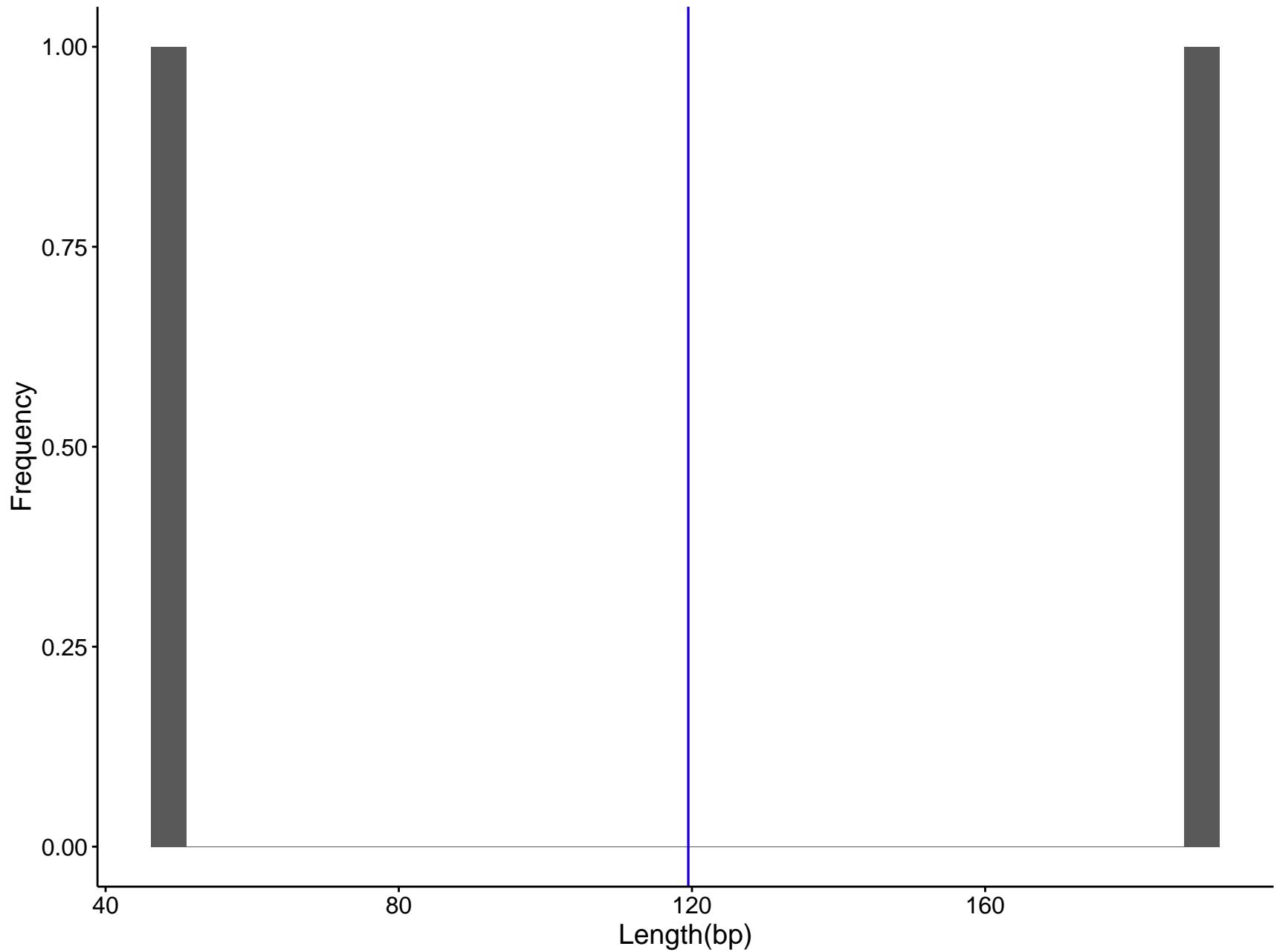
Cluster3010



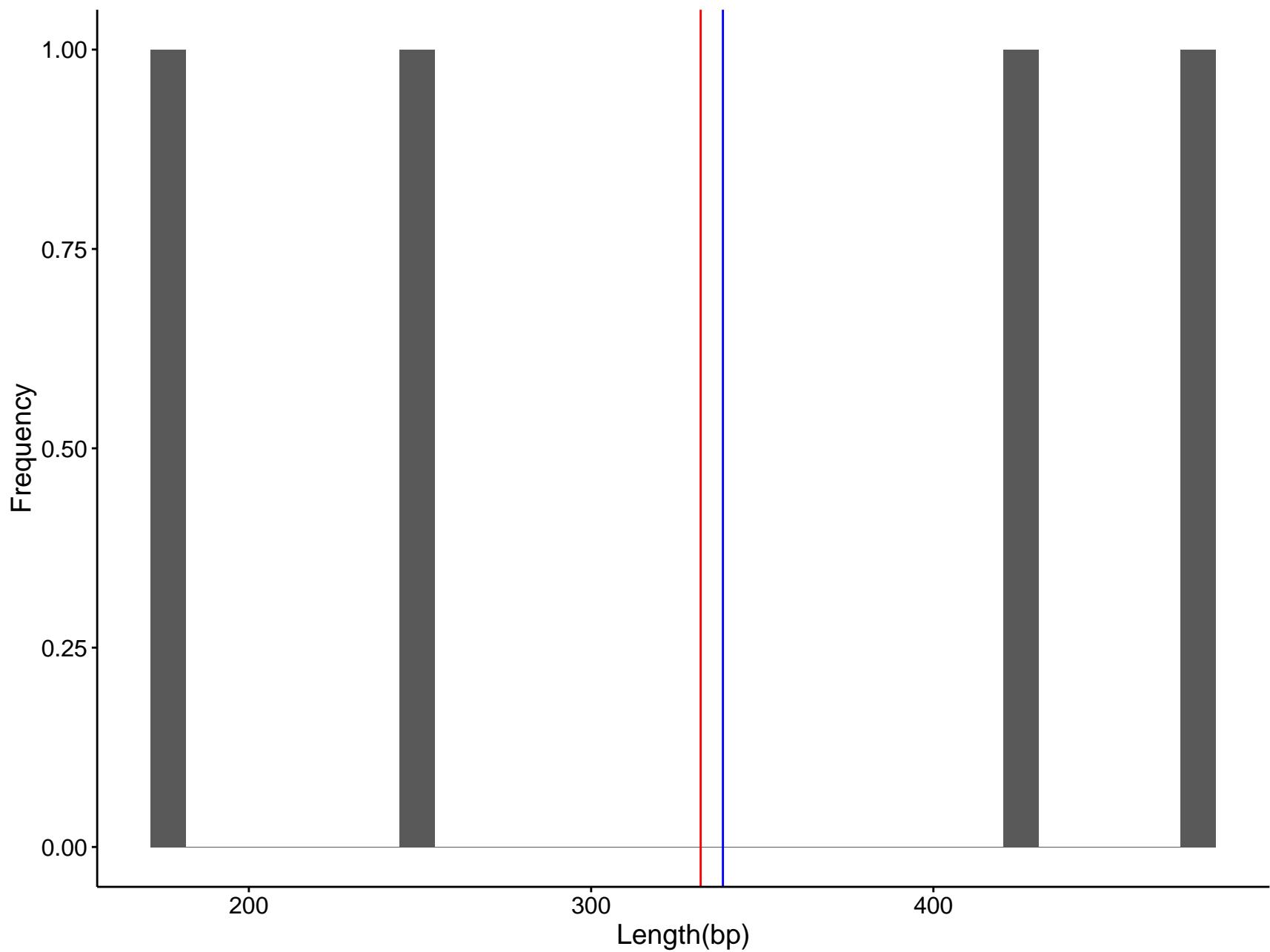
Cluster3011



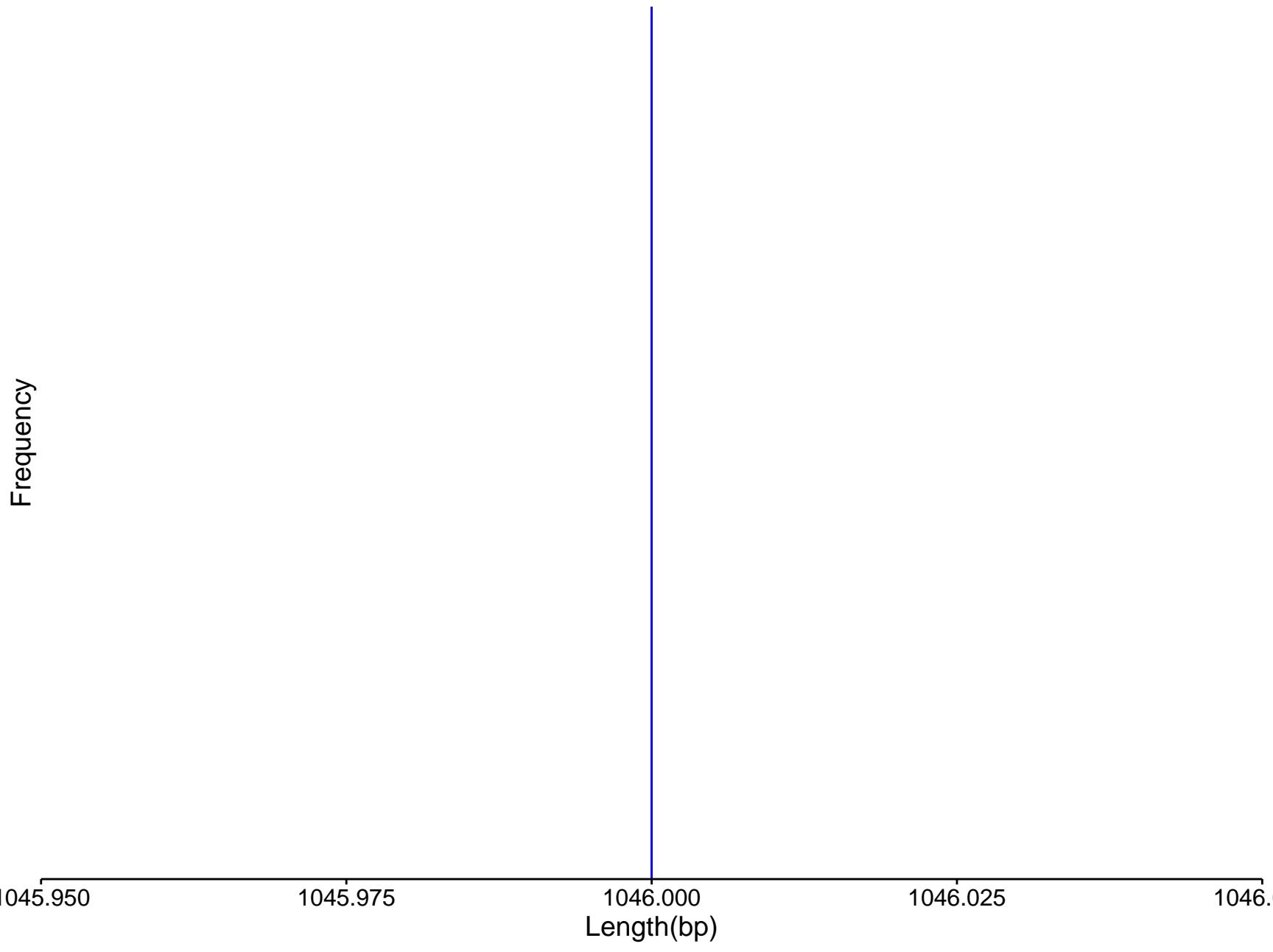
Cluster3012



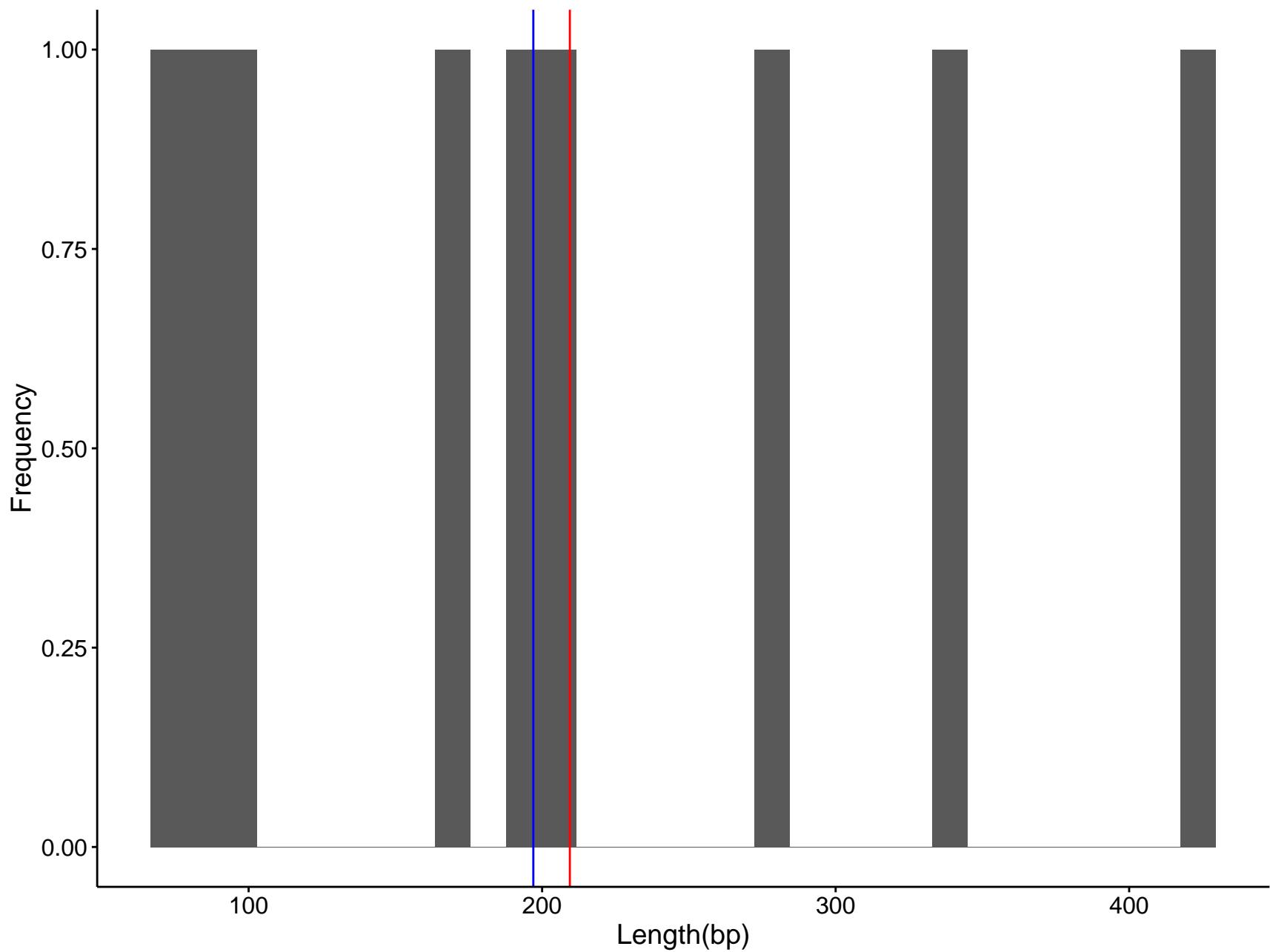
Cluster3015



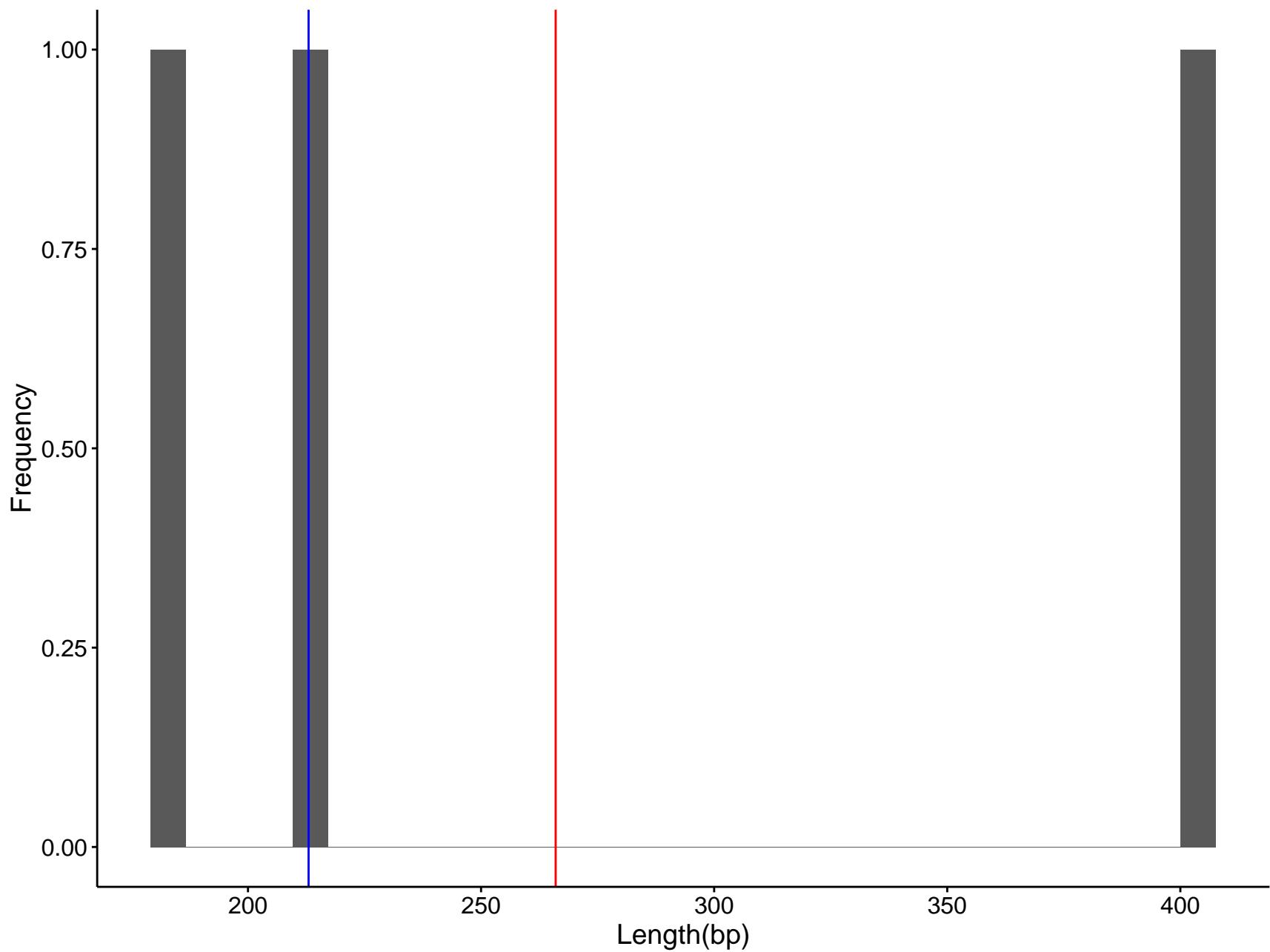
Cluster3018



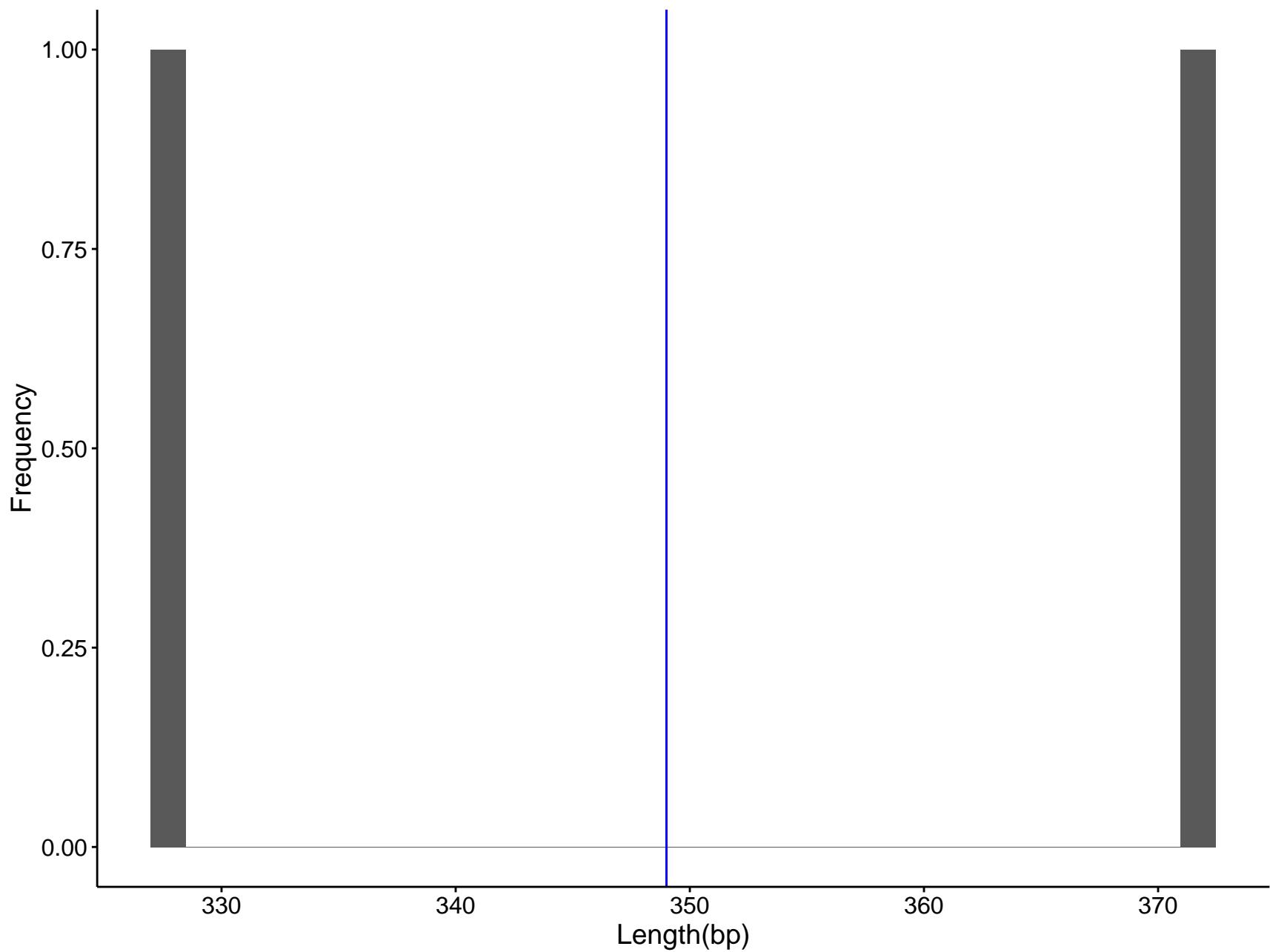
Cluster3020



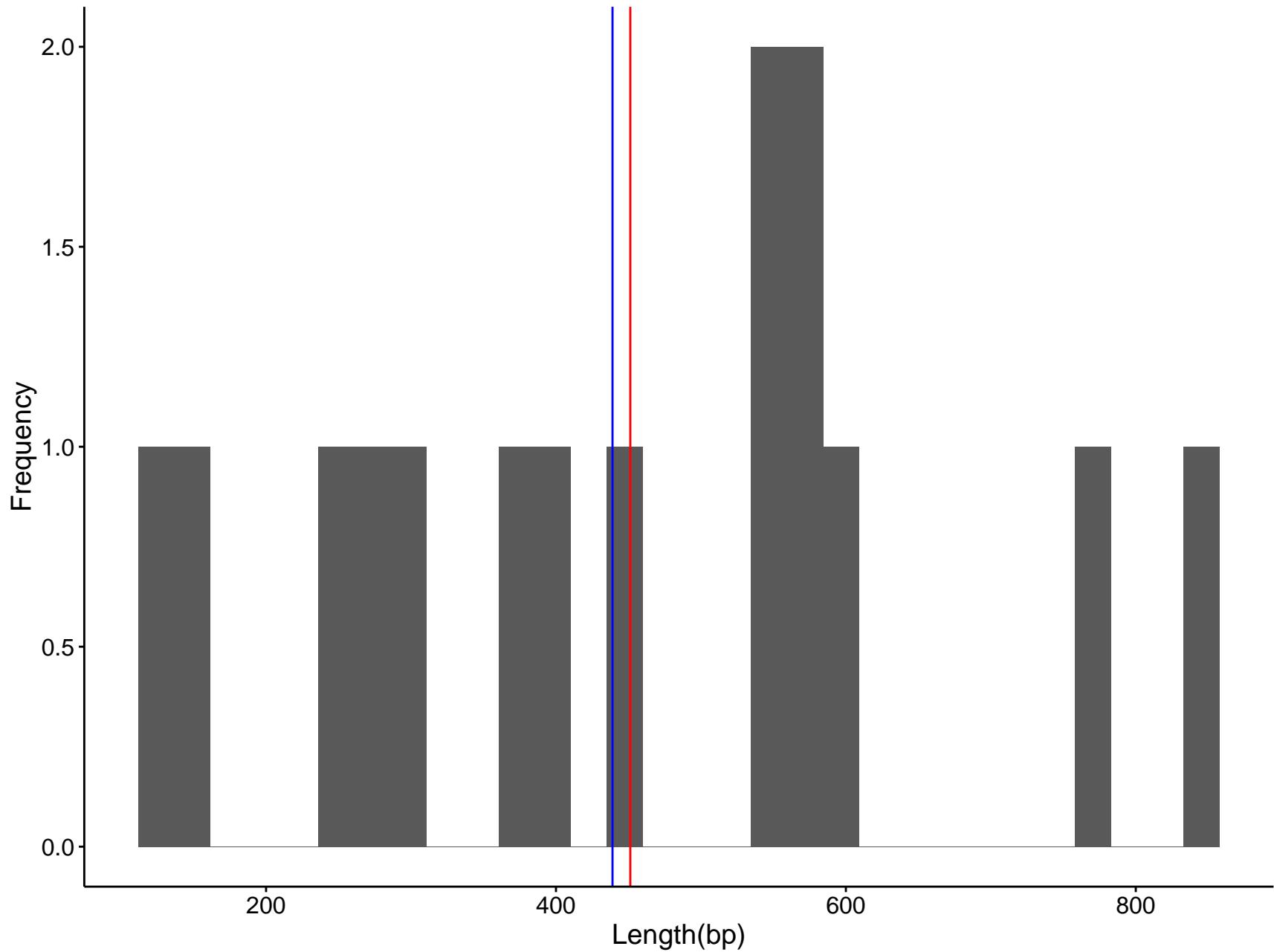
Cluster3021



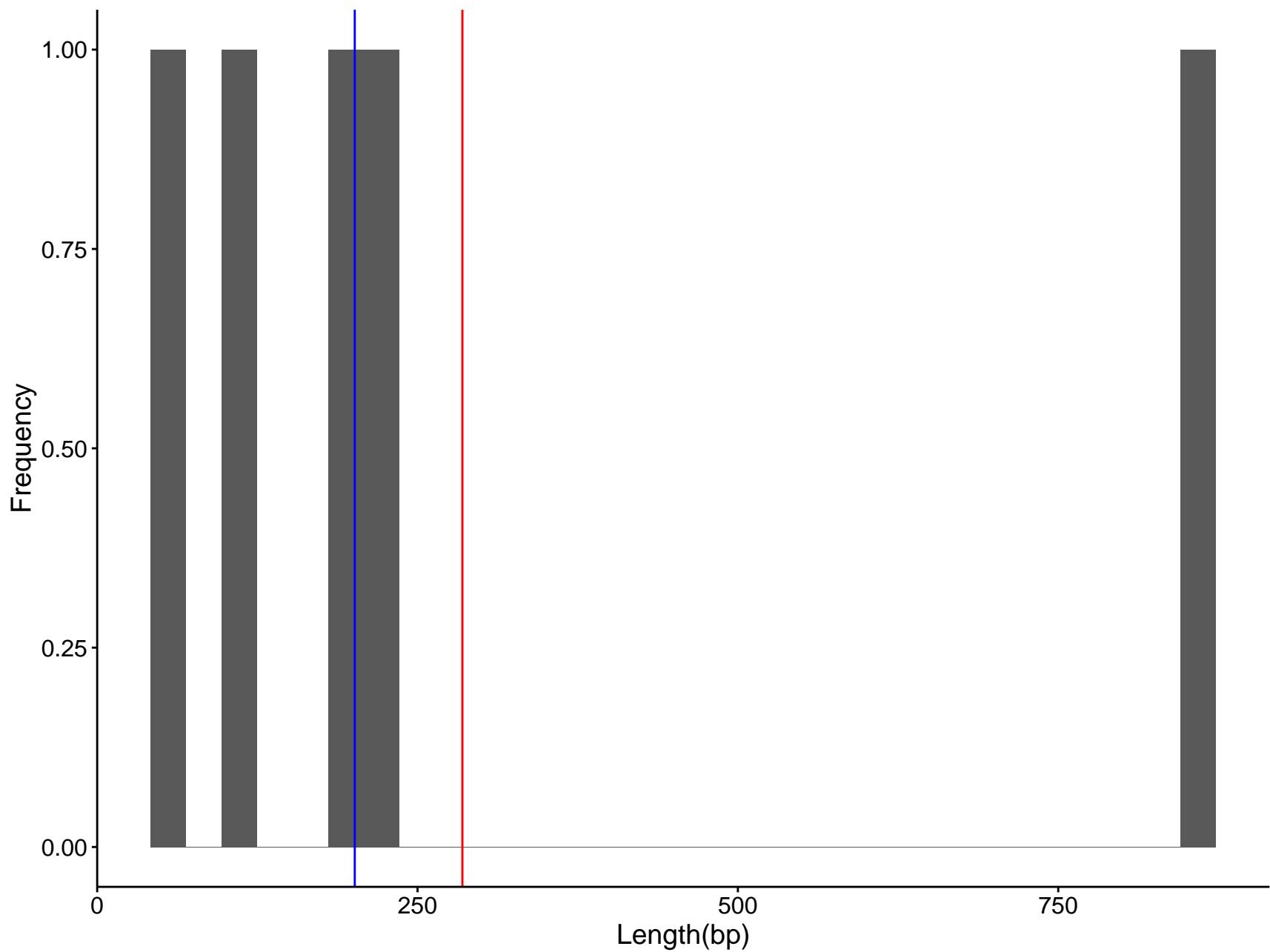
Cluster3022



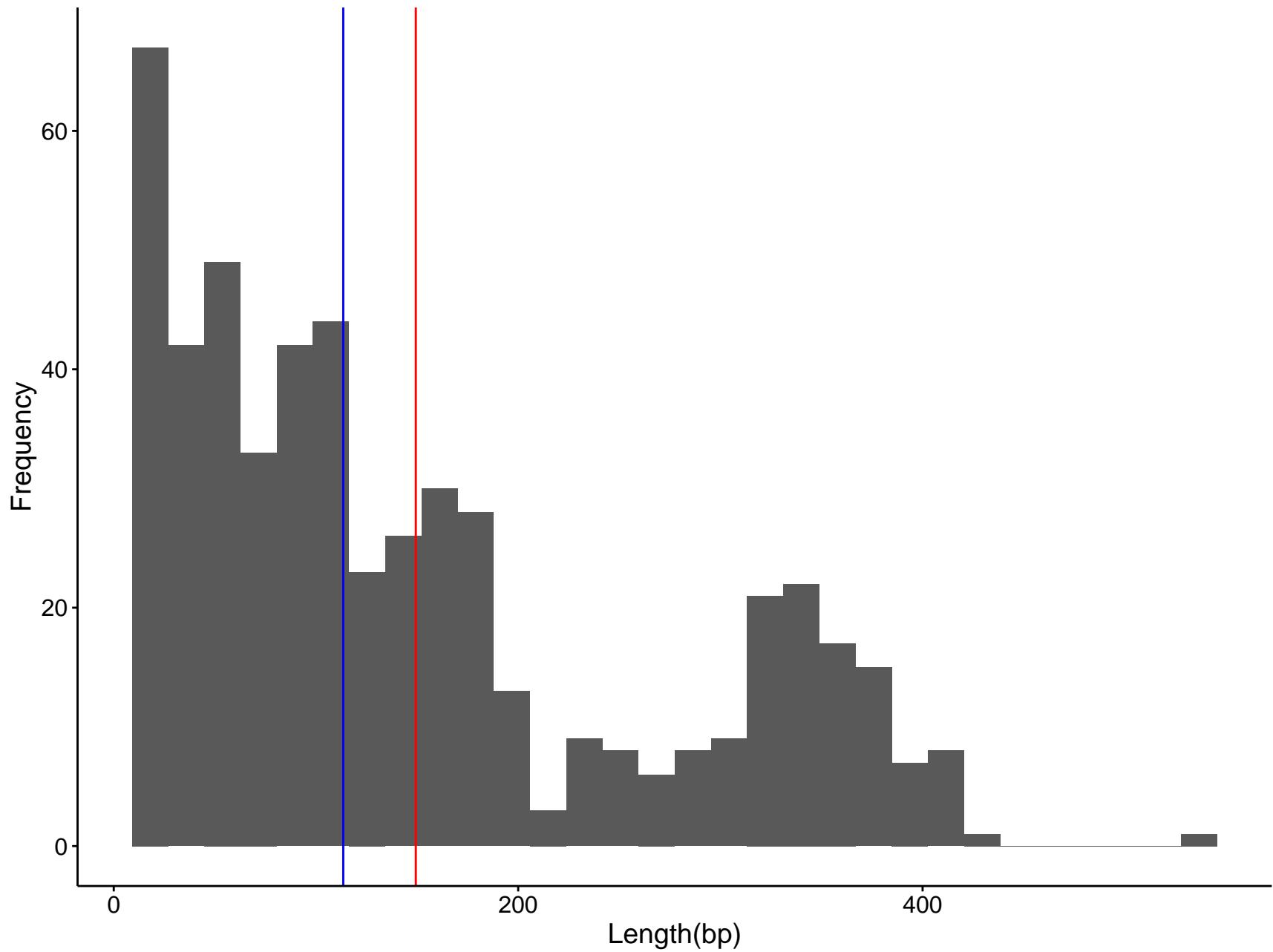
Cluster3027



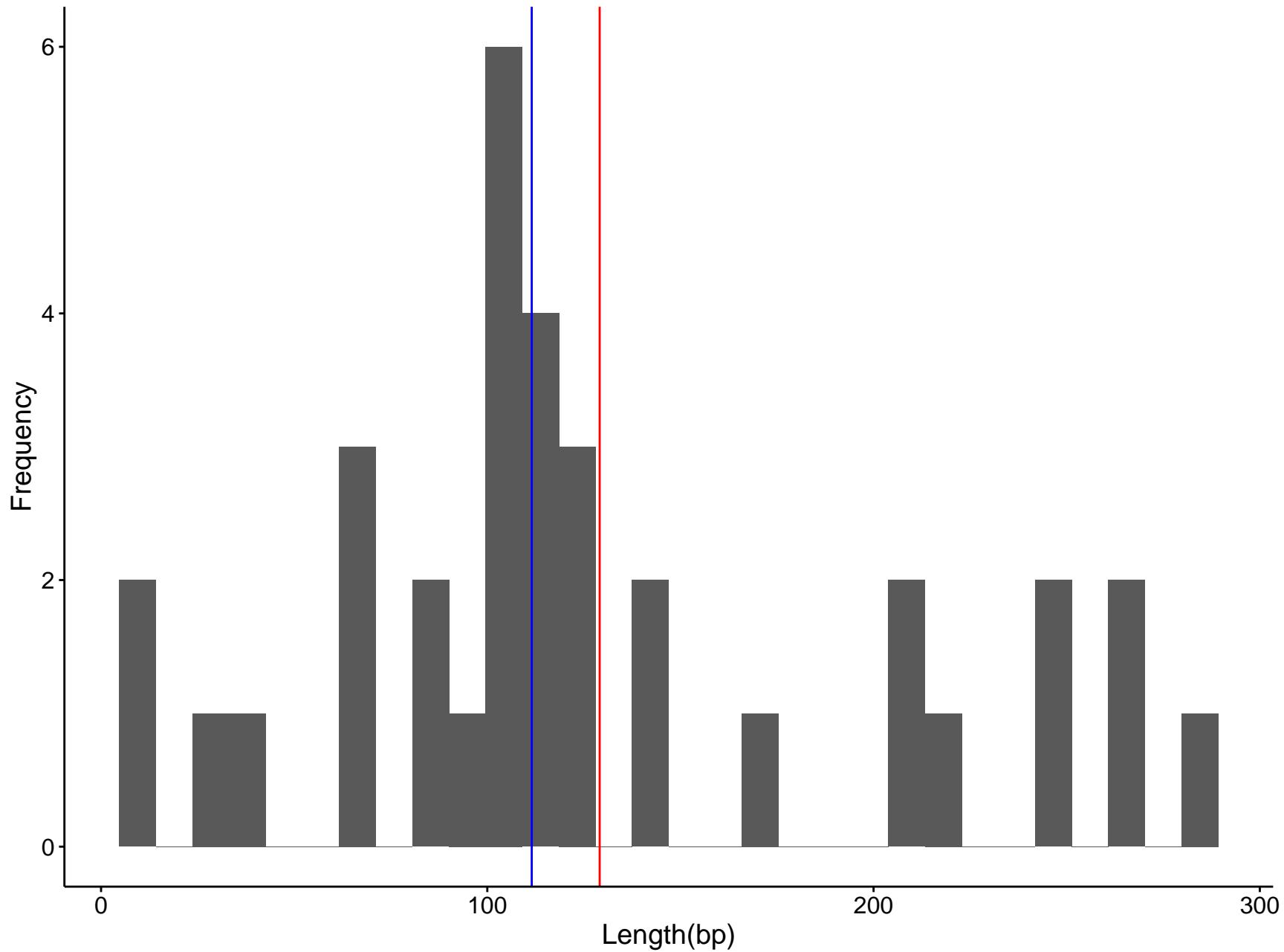
Cluster3028



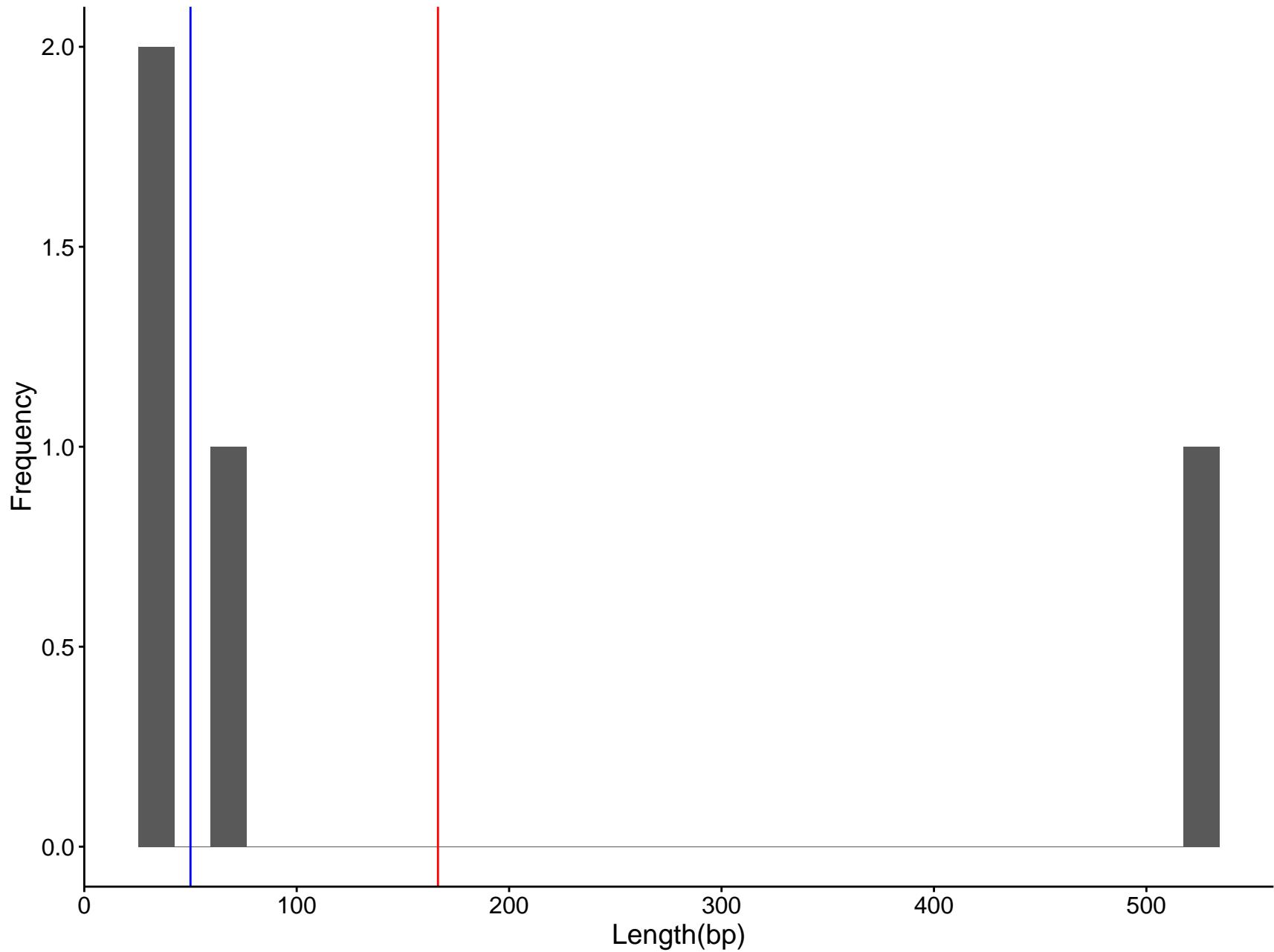
Cluster3029



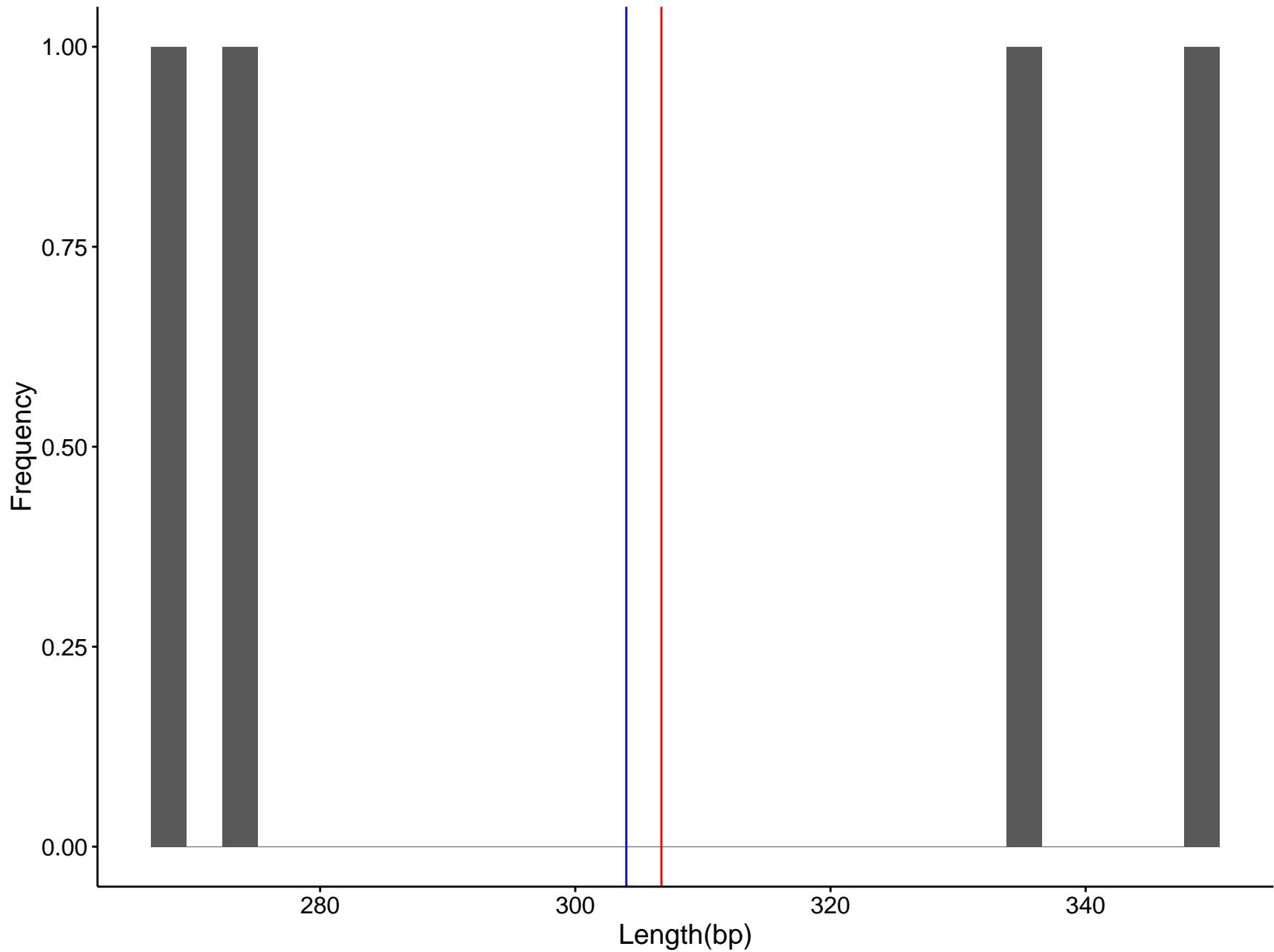
Cluster302



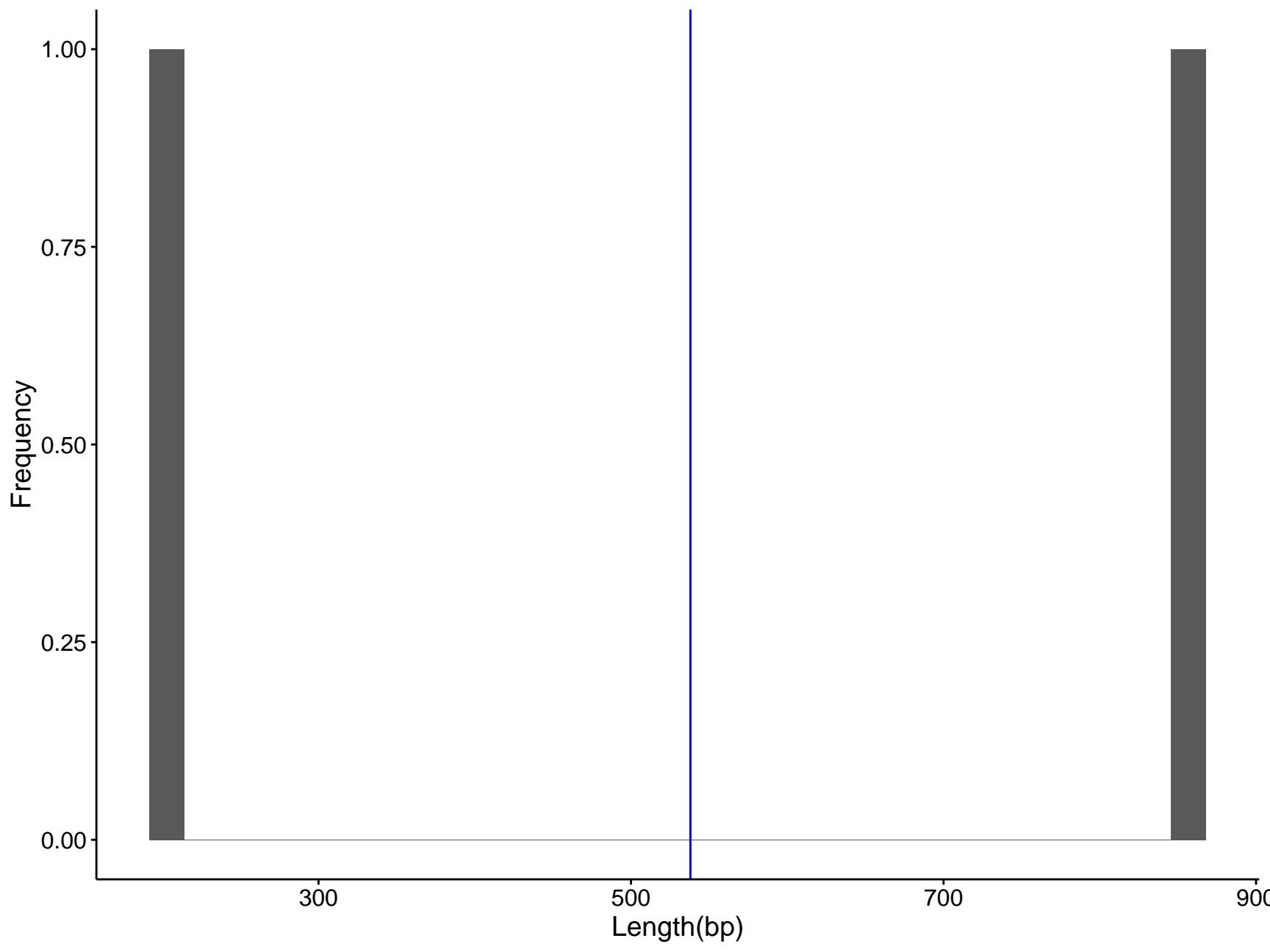
Cluster3031



Cluster3032



Cluster3033



Cluster3034

Frequency

550.950

550.975

551.000

551.025

Length(bp)



# Cluster3035

Frequency

199.950

199.975

200.000

200.025

200.050

Length(bp)



Cluster3036

Frequency

195.950

195.975

196.000

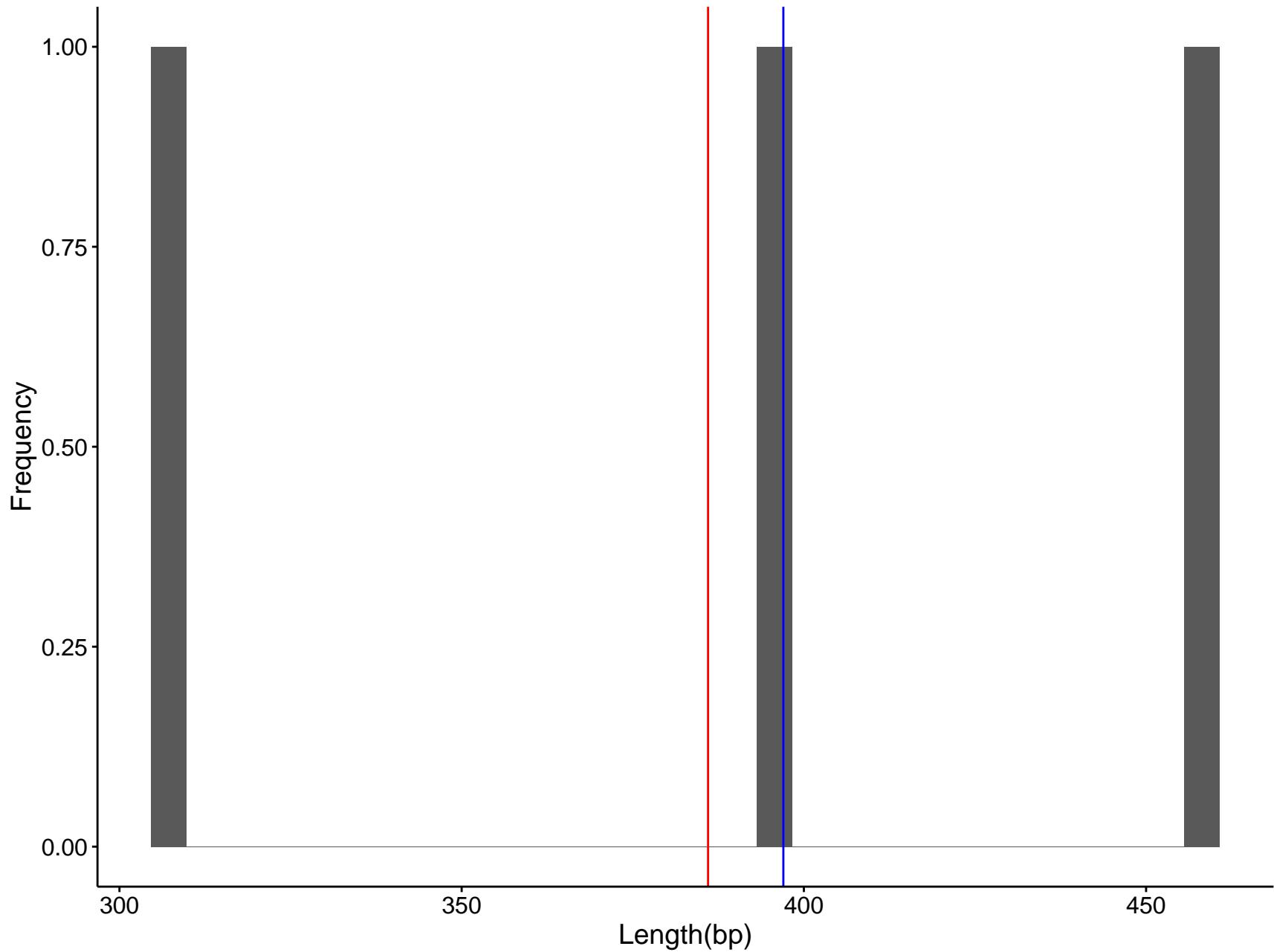
196.025

196.050

Length(bp)



Cluster303



Cluster3040

Frequency

577.950

577.975

578.000

578.025

Length(bp)



Cluster3041

Frequency

327.950

327.975

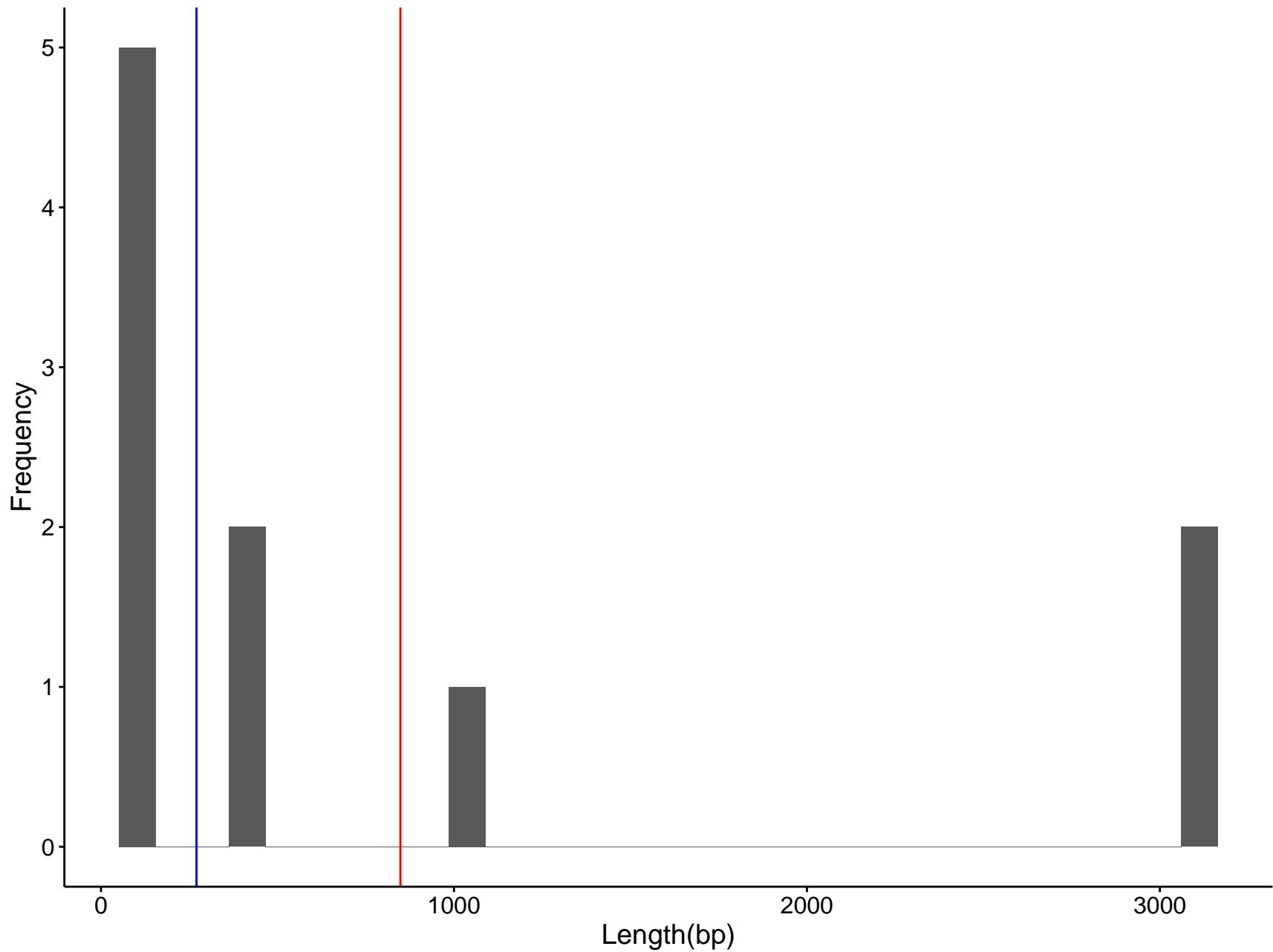
328.000

328.025

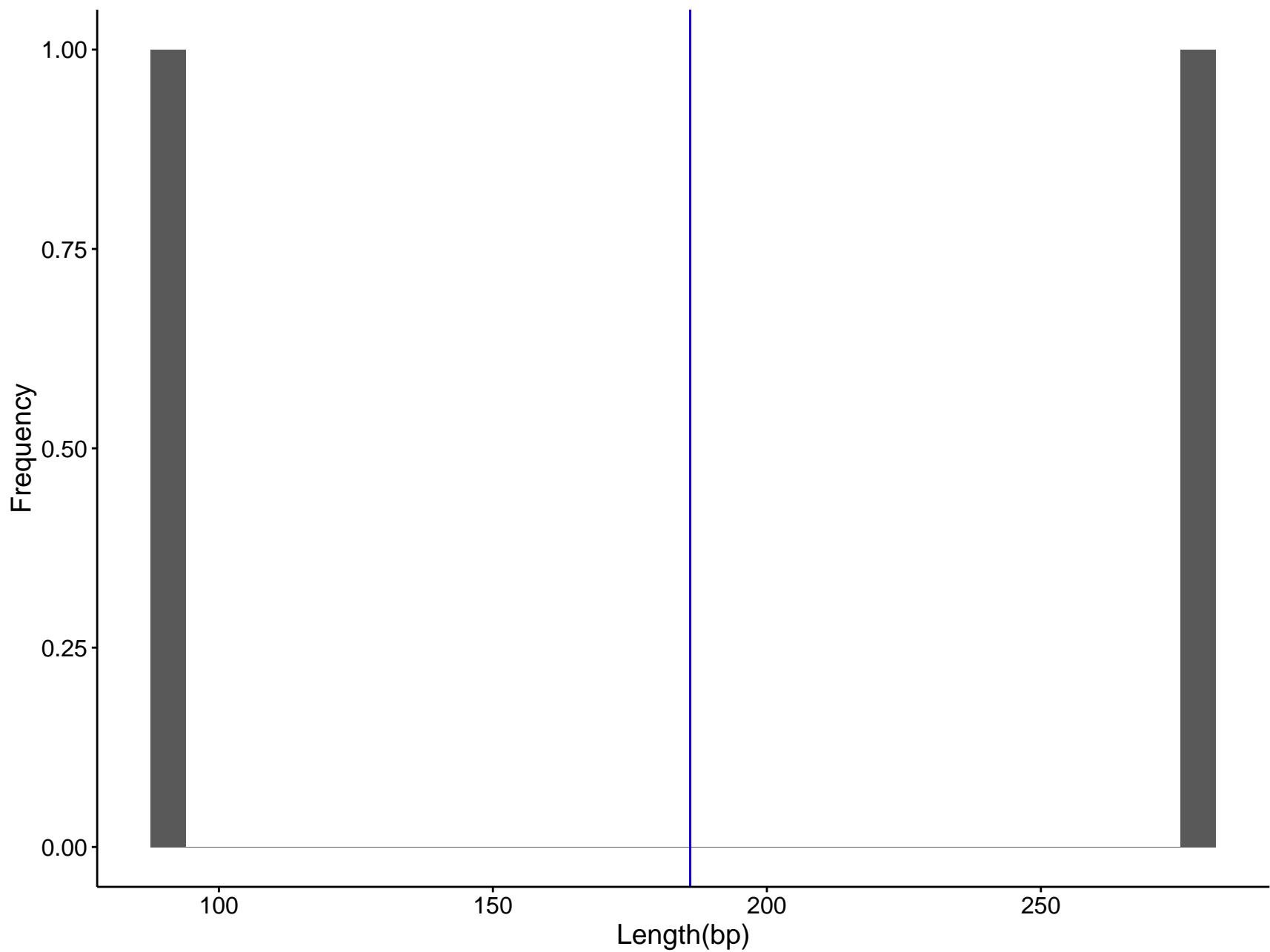
Length(bp)



Cluster3042



Cluster3043



Cluster3044

Frequency

228.950

228.975

229.000

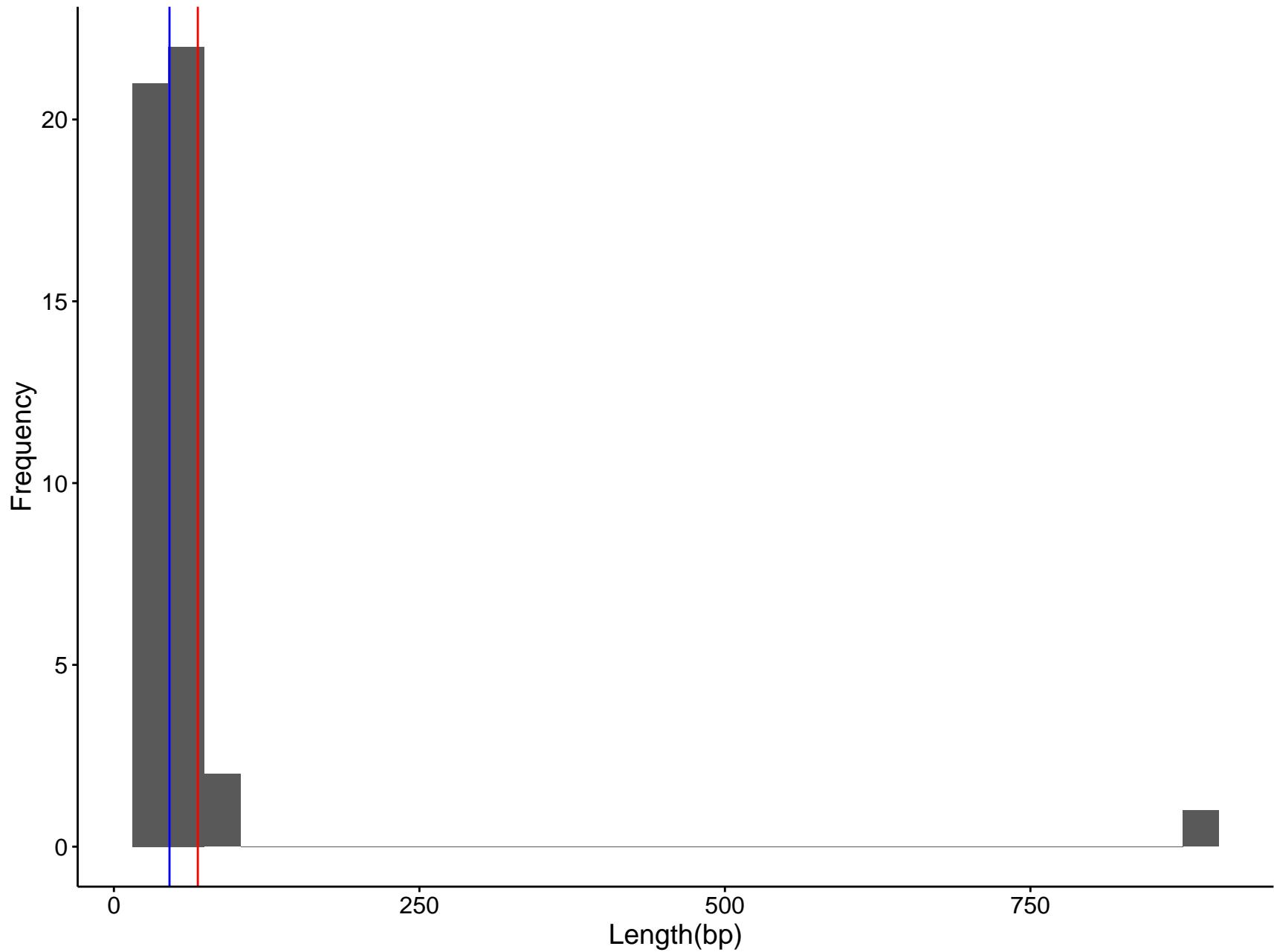
229.025

229.050

Length(bp)



Cluster3045



# Cluster3046

Frequency

26.950

26.975

27.000

27.025

Length(bp)



Cluster3047

Frequency

773.950

773.975

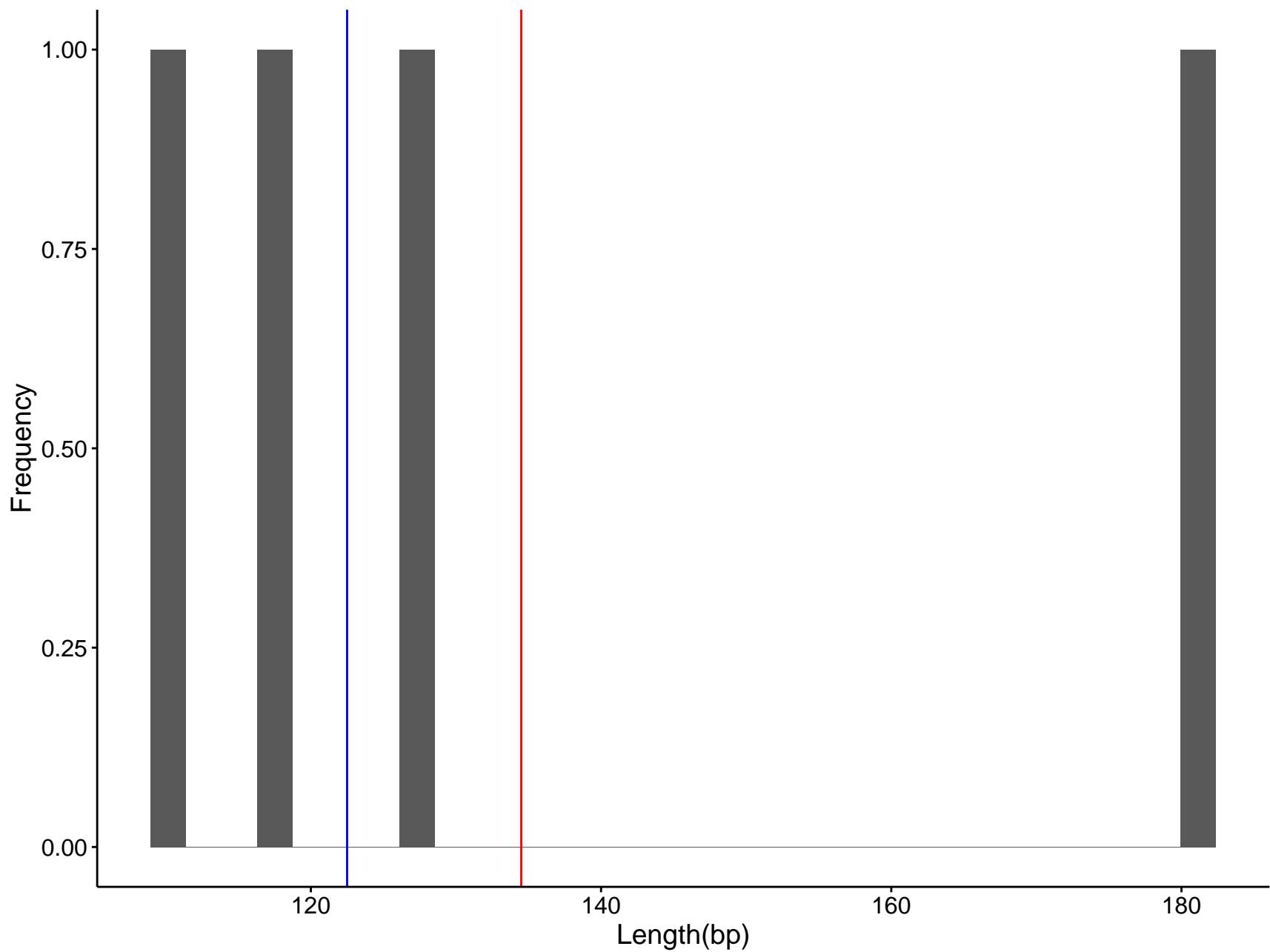
774.000

774.025

Length(bp)



Cluster3048



Cluster3049

Frequency

157.950

157.975

158.000

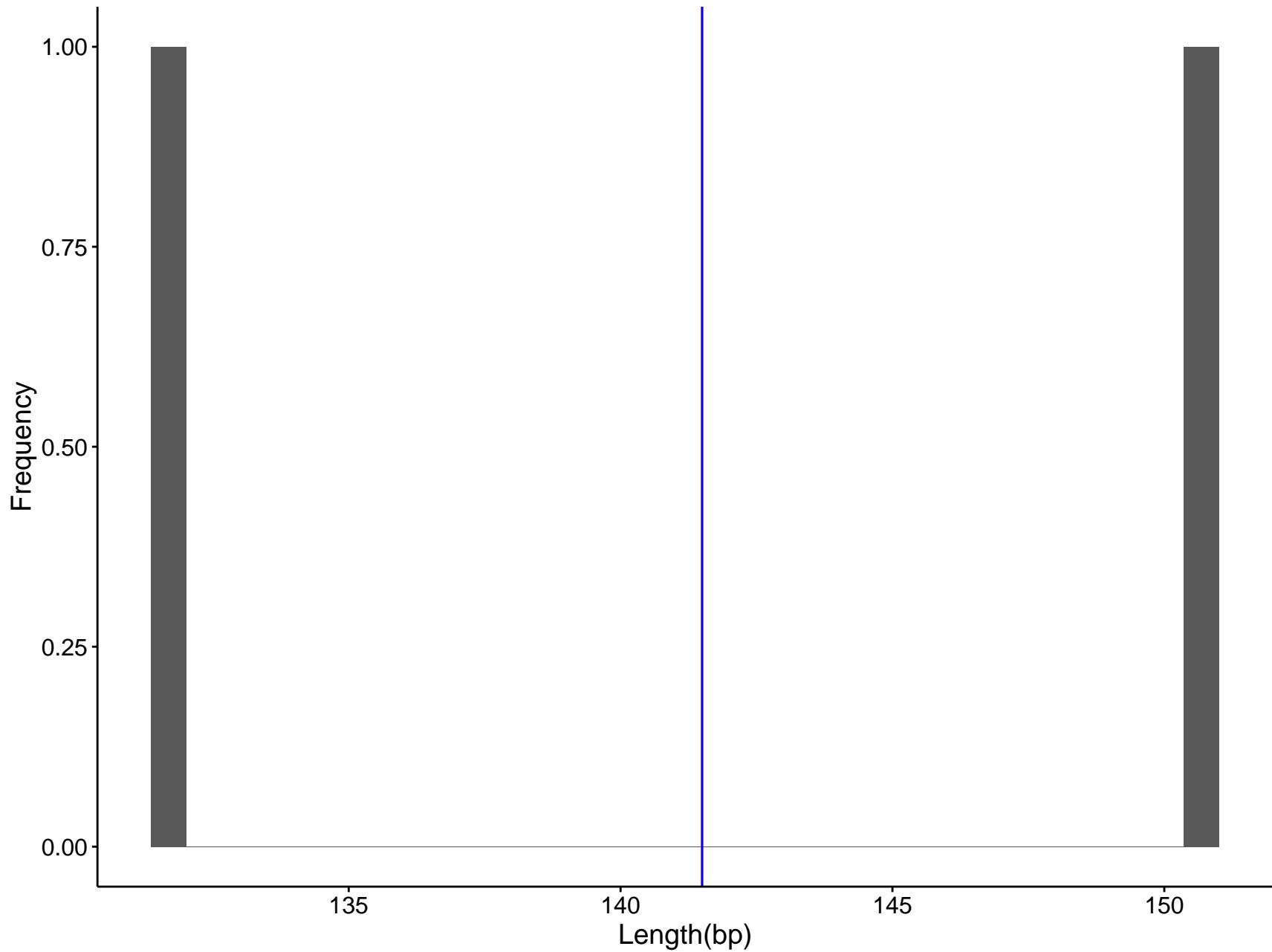
158.025

158.050

Length(bp)



Cluster304



# Cluster3050

Frequency

198.950

198.975

199.000

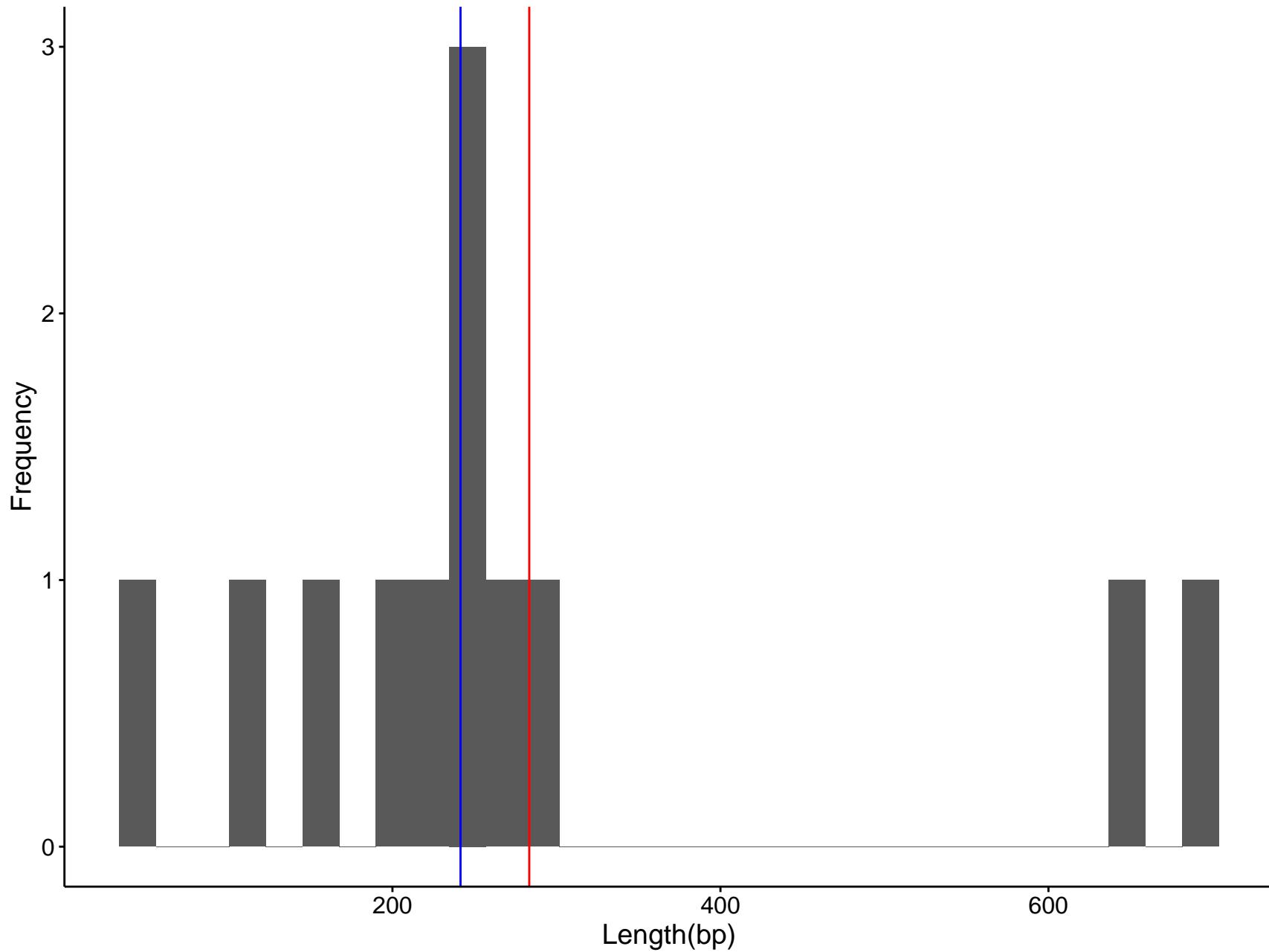
199.025

199.050

Length(bp)



Cluster3051



# Cluster3054

Frequency

340.950

340.975

341.000

341.025

Length(bp)



# Cluster3055

Frequency

147.950

147.975

148.000

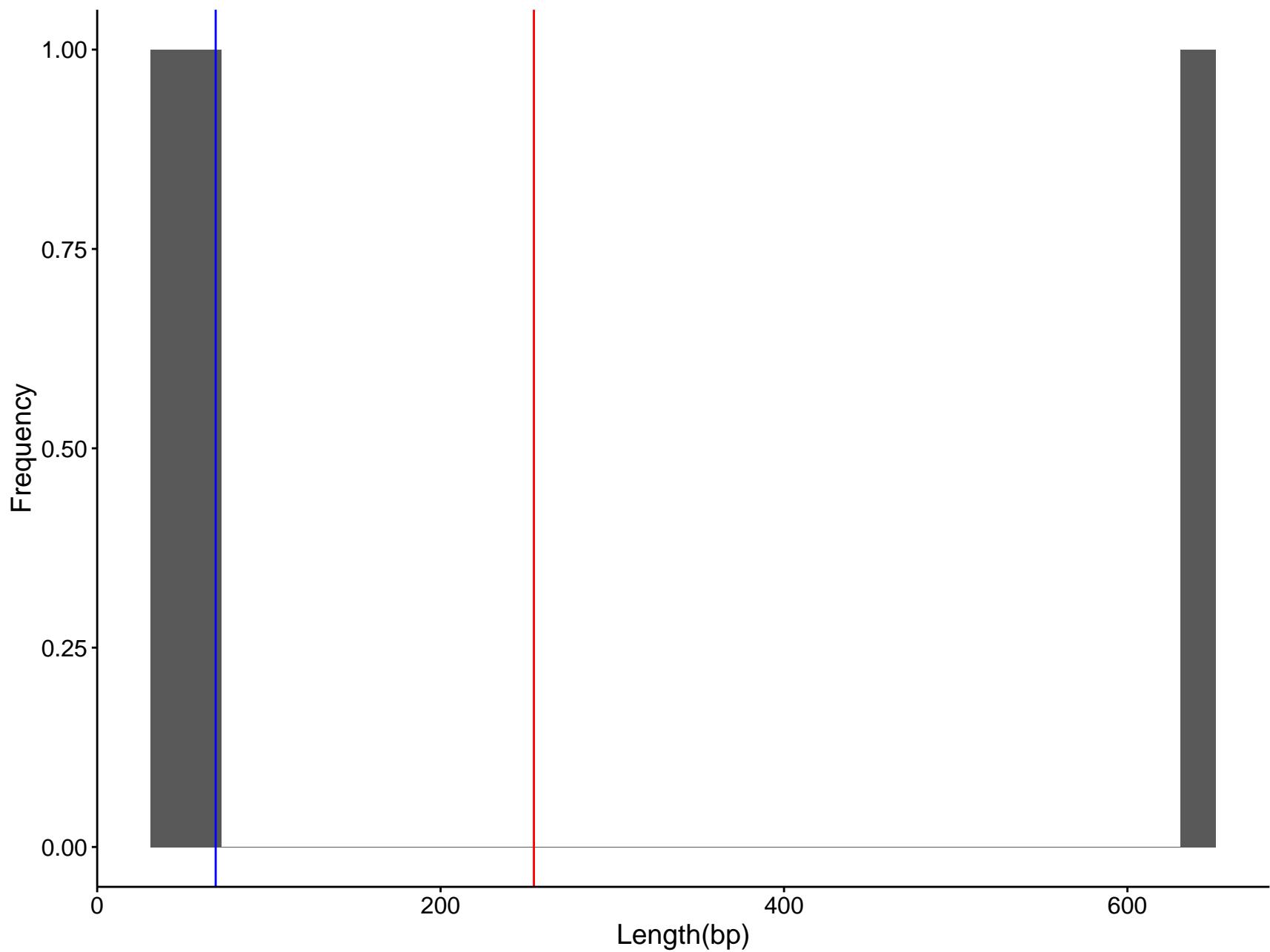
148.025

148.050

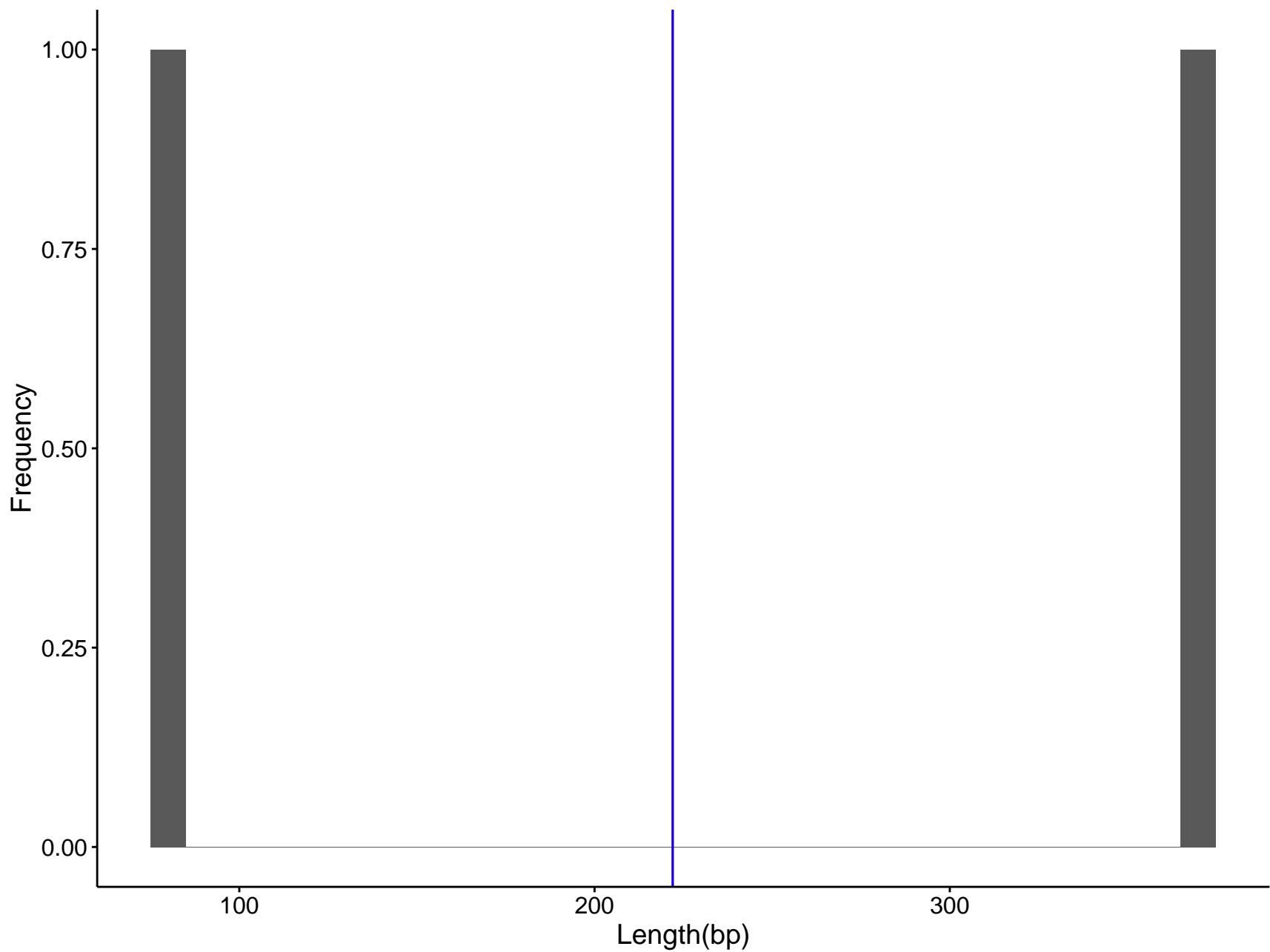
Length(bp)



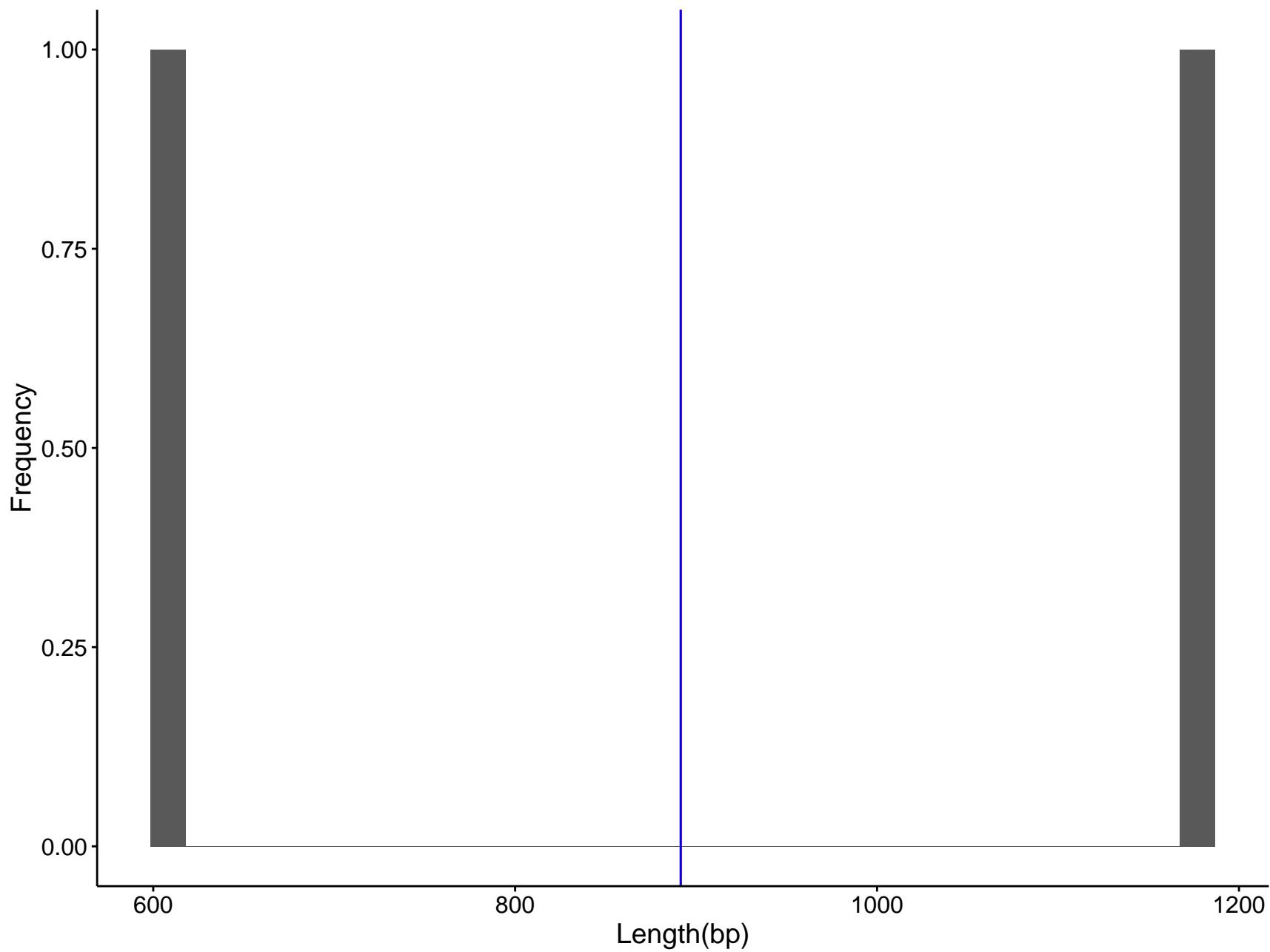
Cluster3056



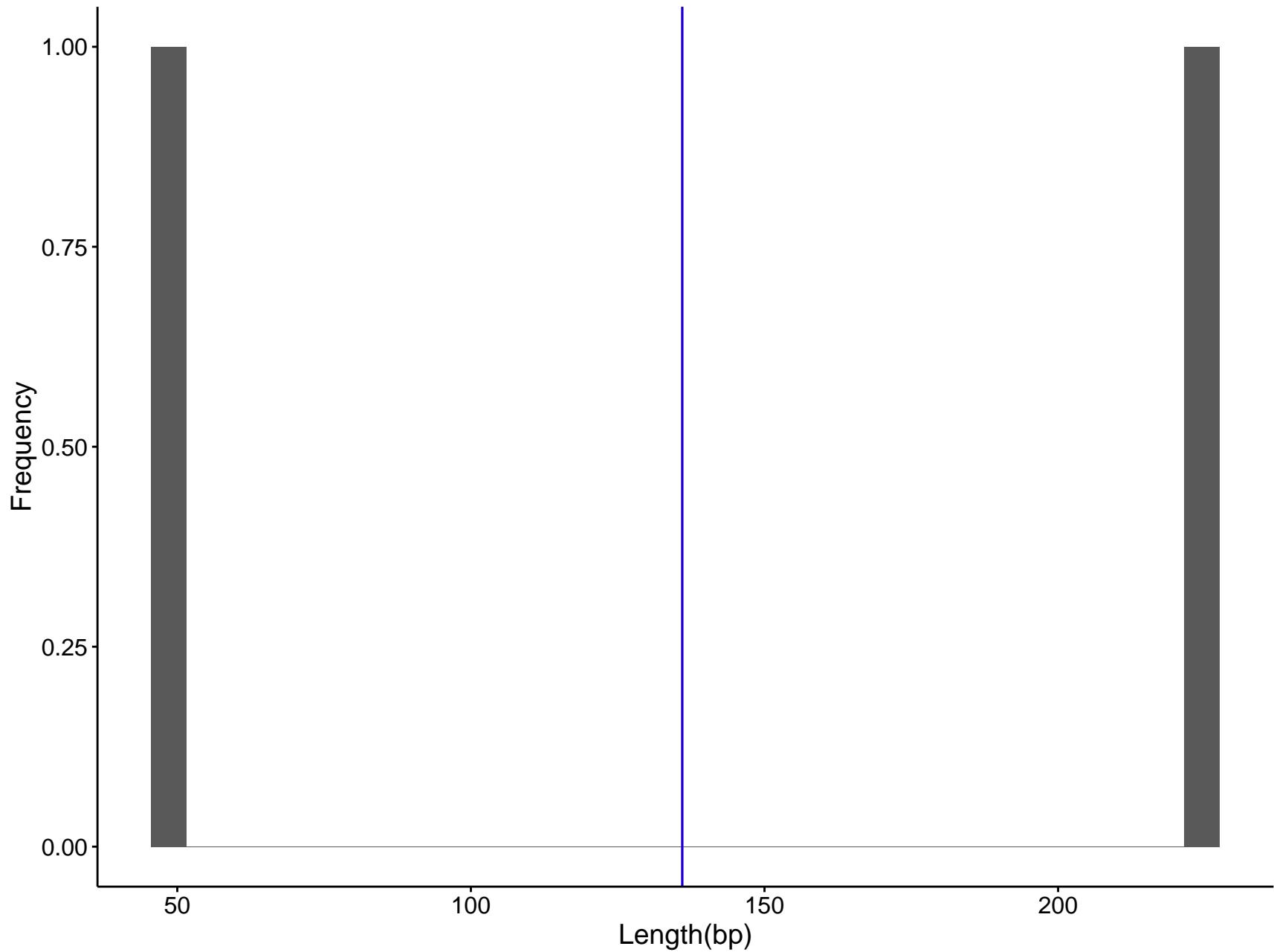
Cluster3058



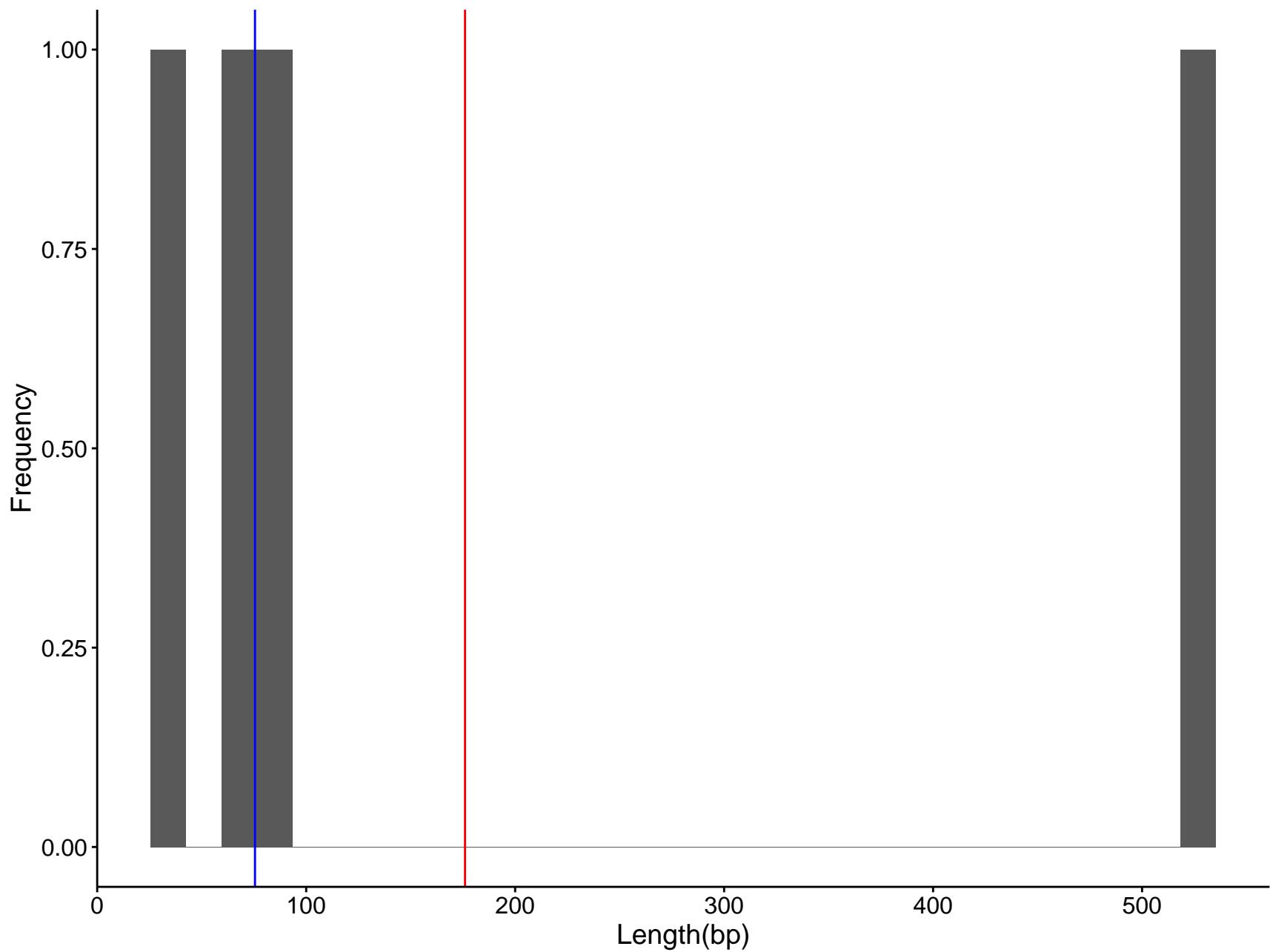
Cluster3059



Cluster305



Cluster3060



# Cluster3061

Frequency

671.950

671.975

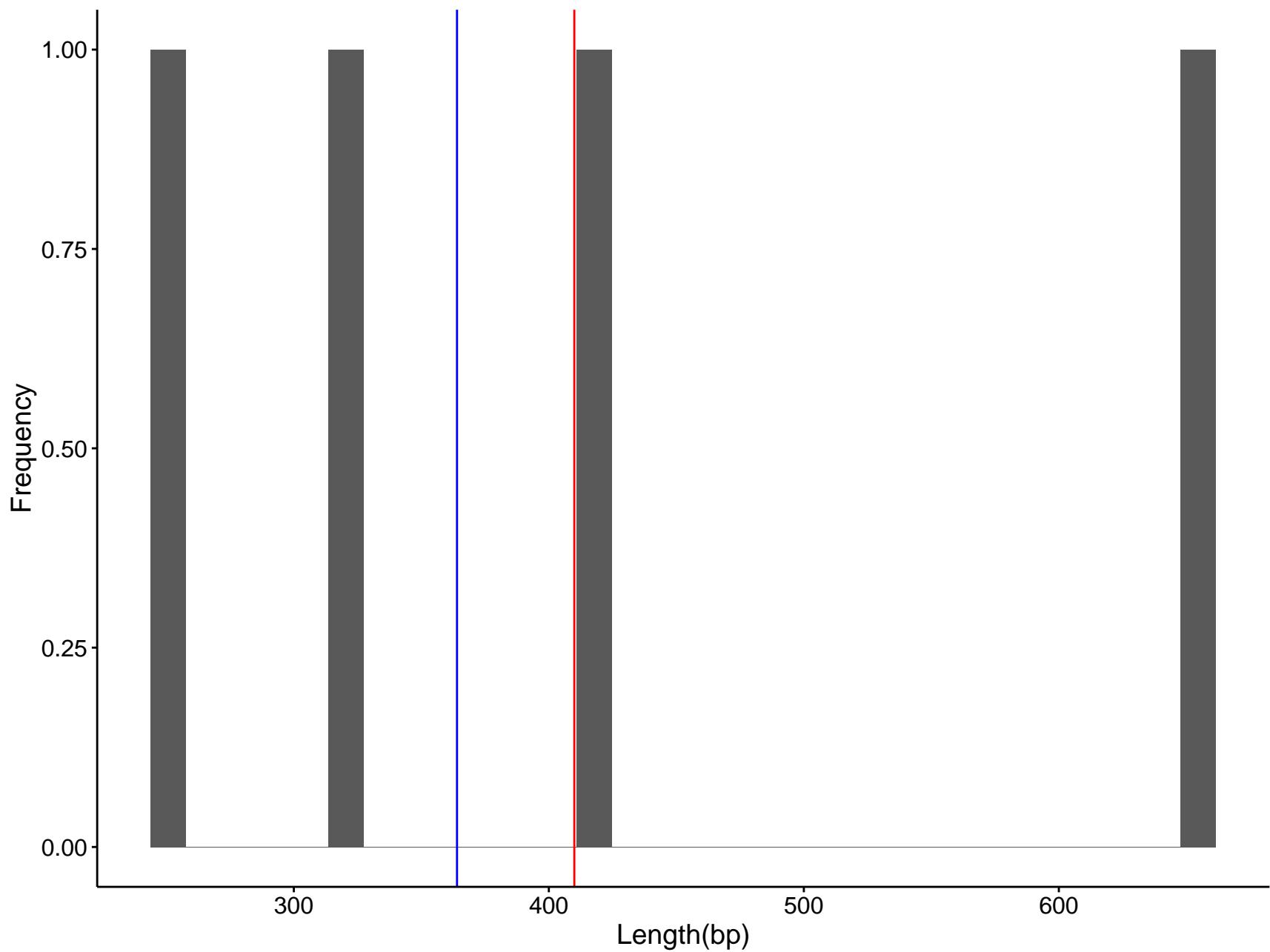
672.000

672.025

Length(bp)



Cluster3062



# Cluster3063

Frequency

470.950

470.975

471.000

471.025

Length(bp)



# Cluster3064

Frequency

603.950

603.975

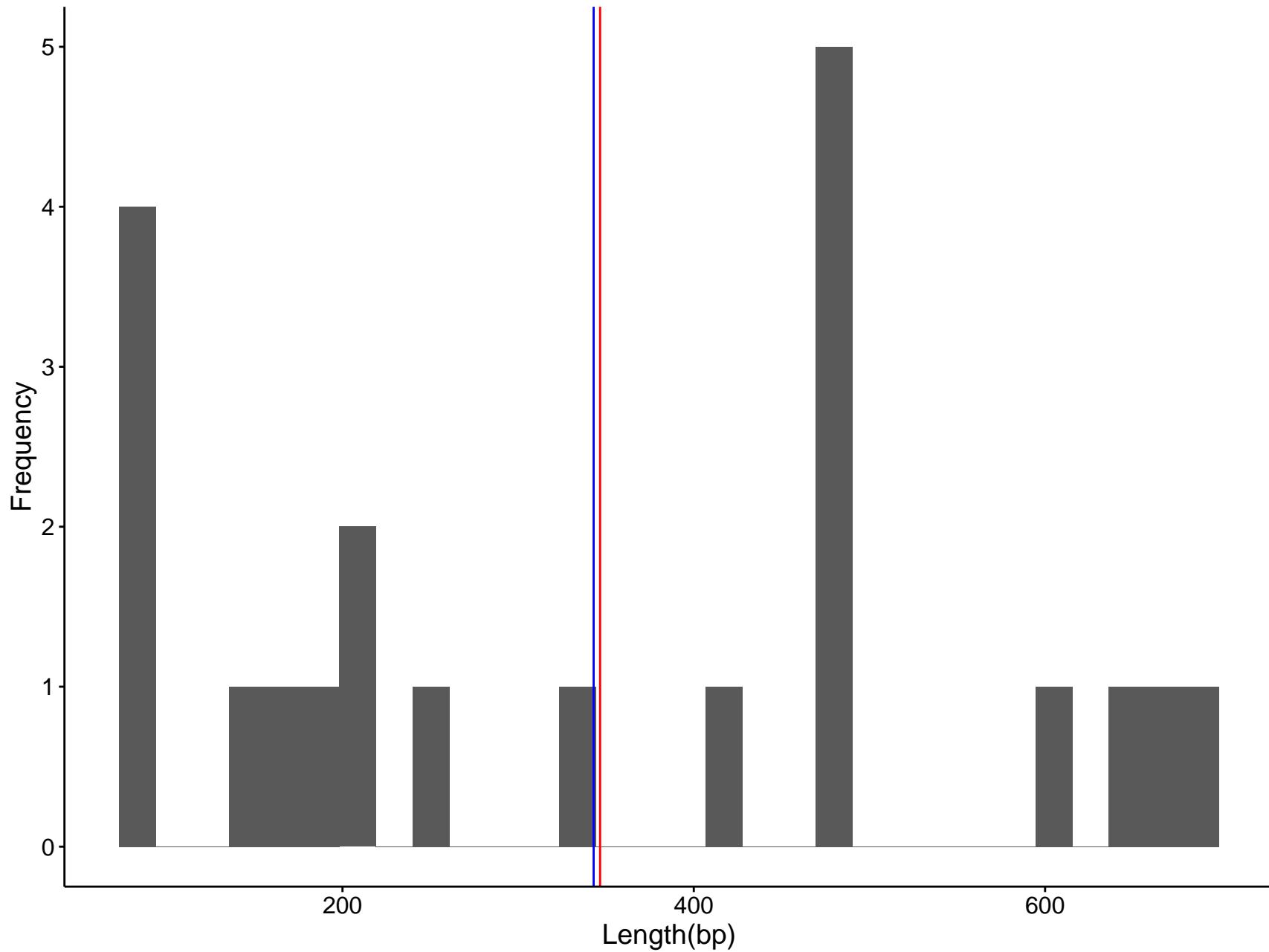
604.000

604.025

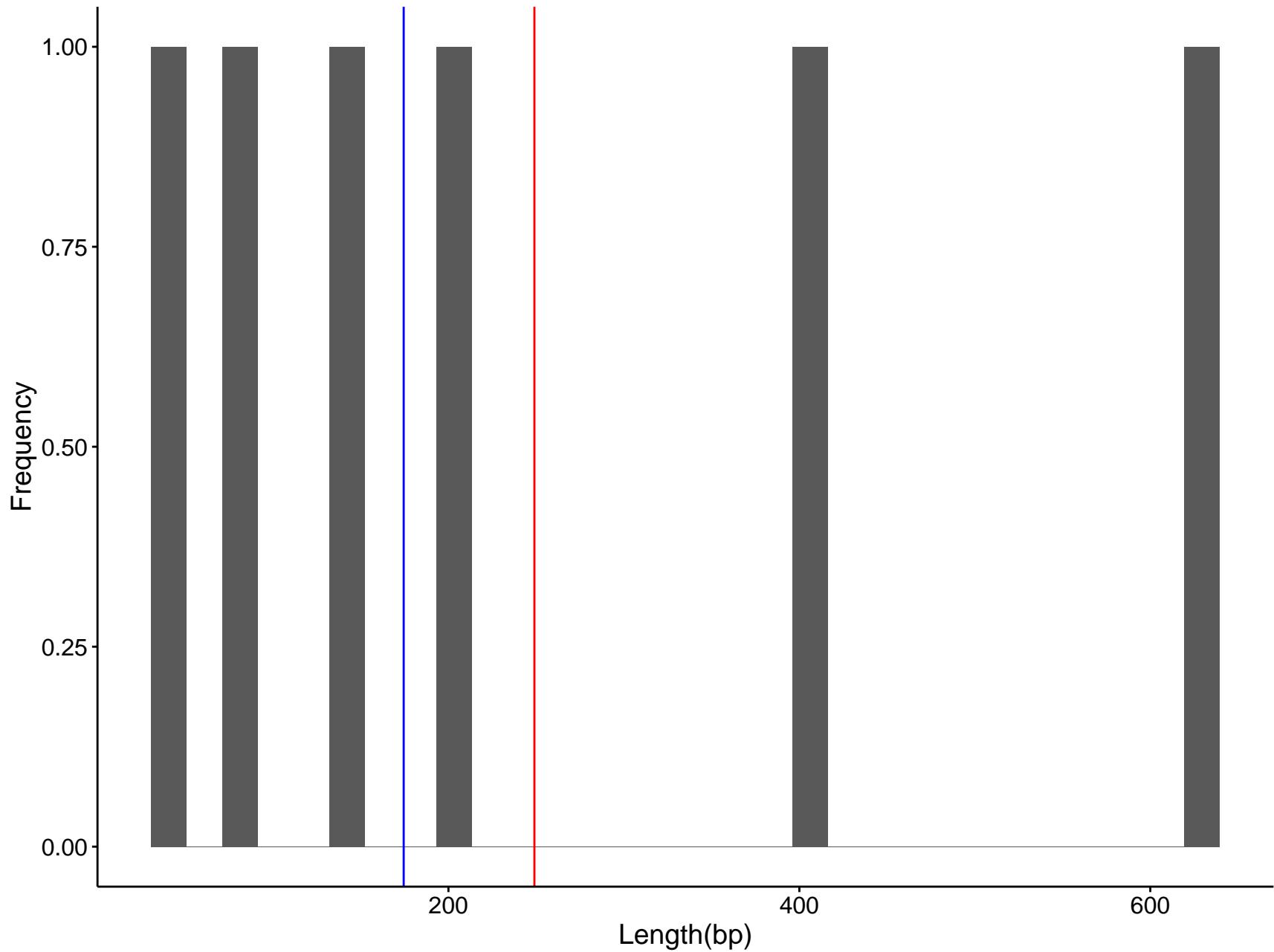
Length(bp)



Cluster3065



Cluster3066



Cluster3067

Frequency

484.950

484.975

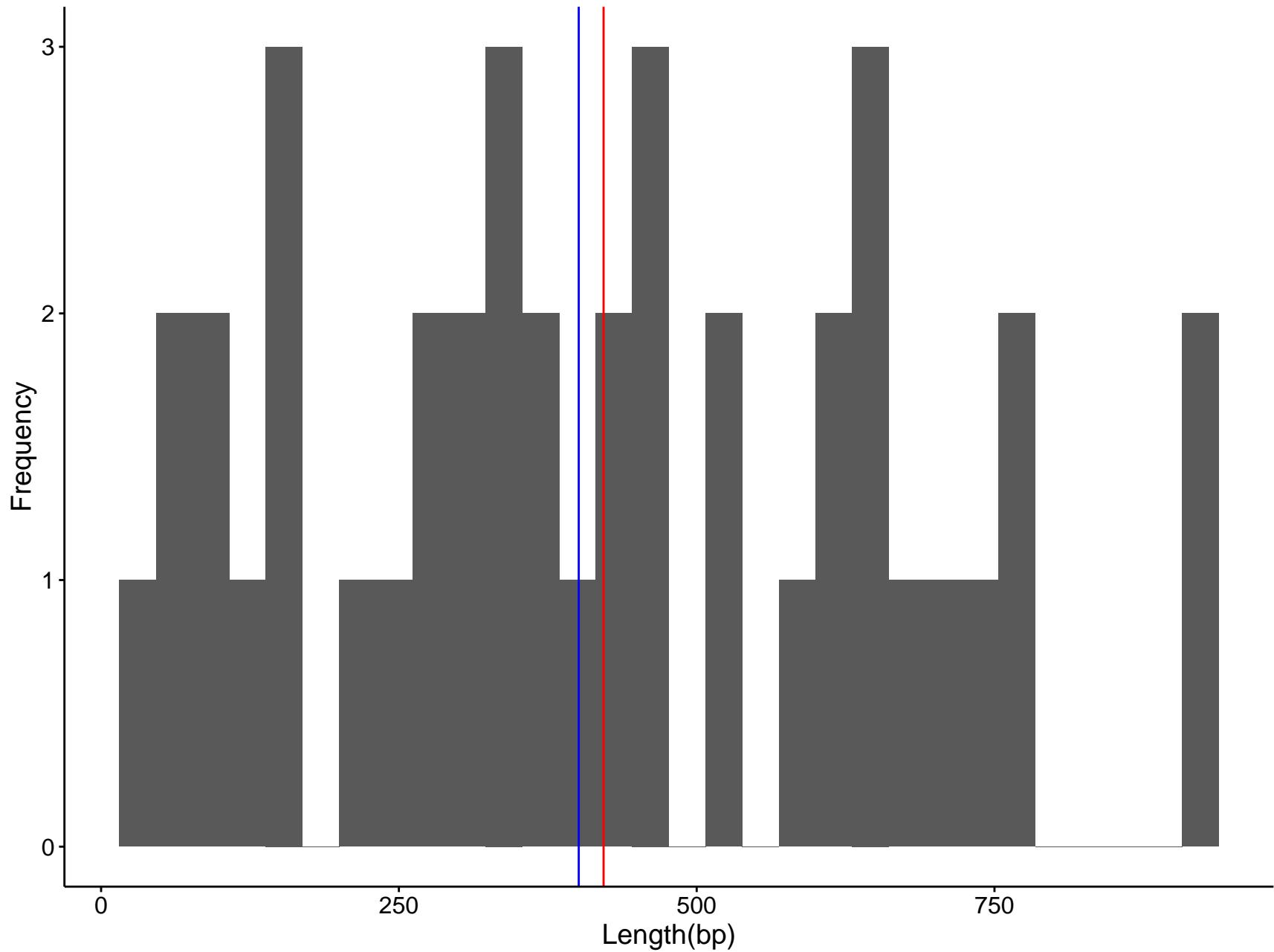
485.000

485.025

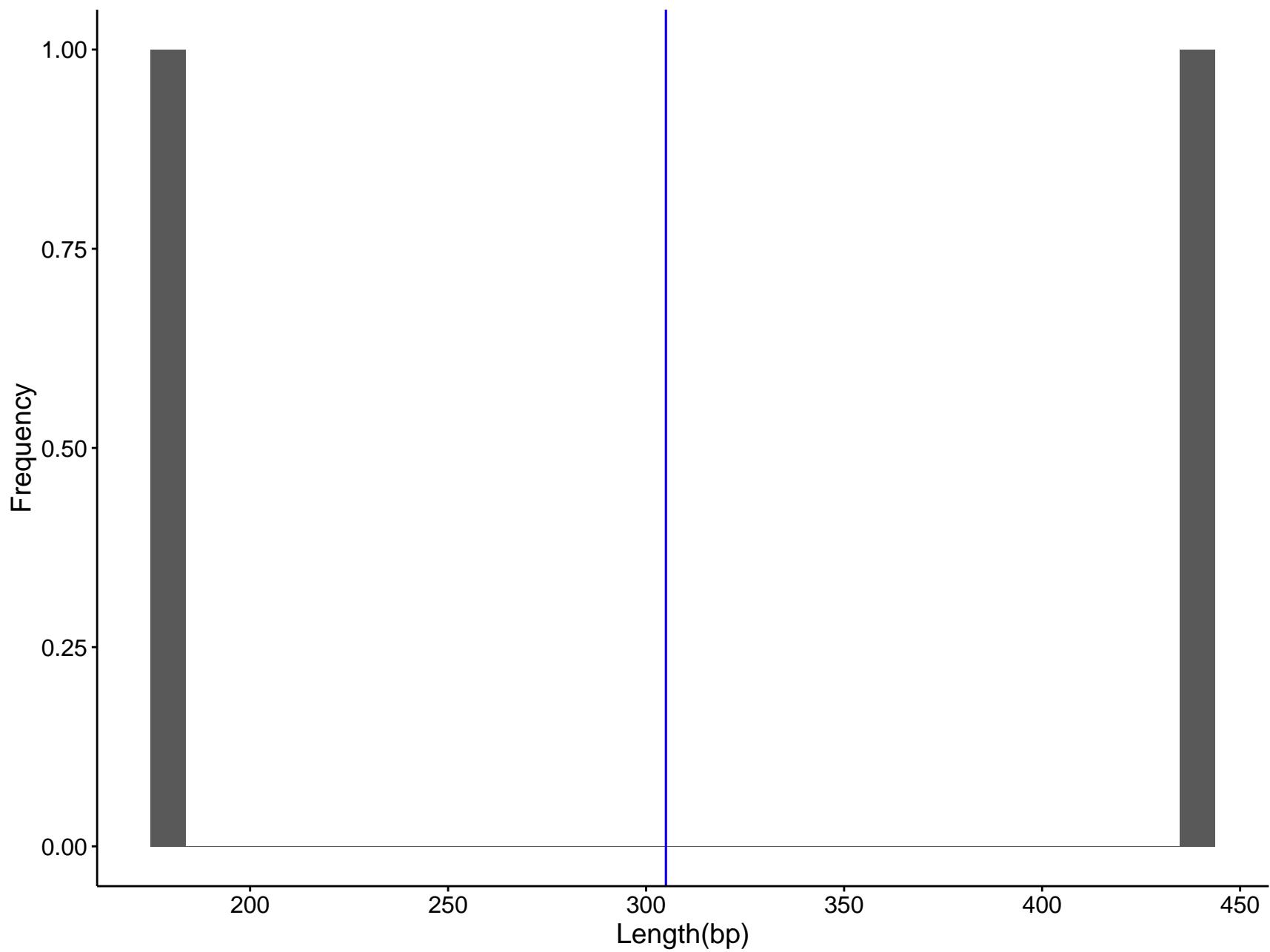
Length(bp)



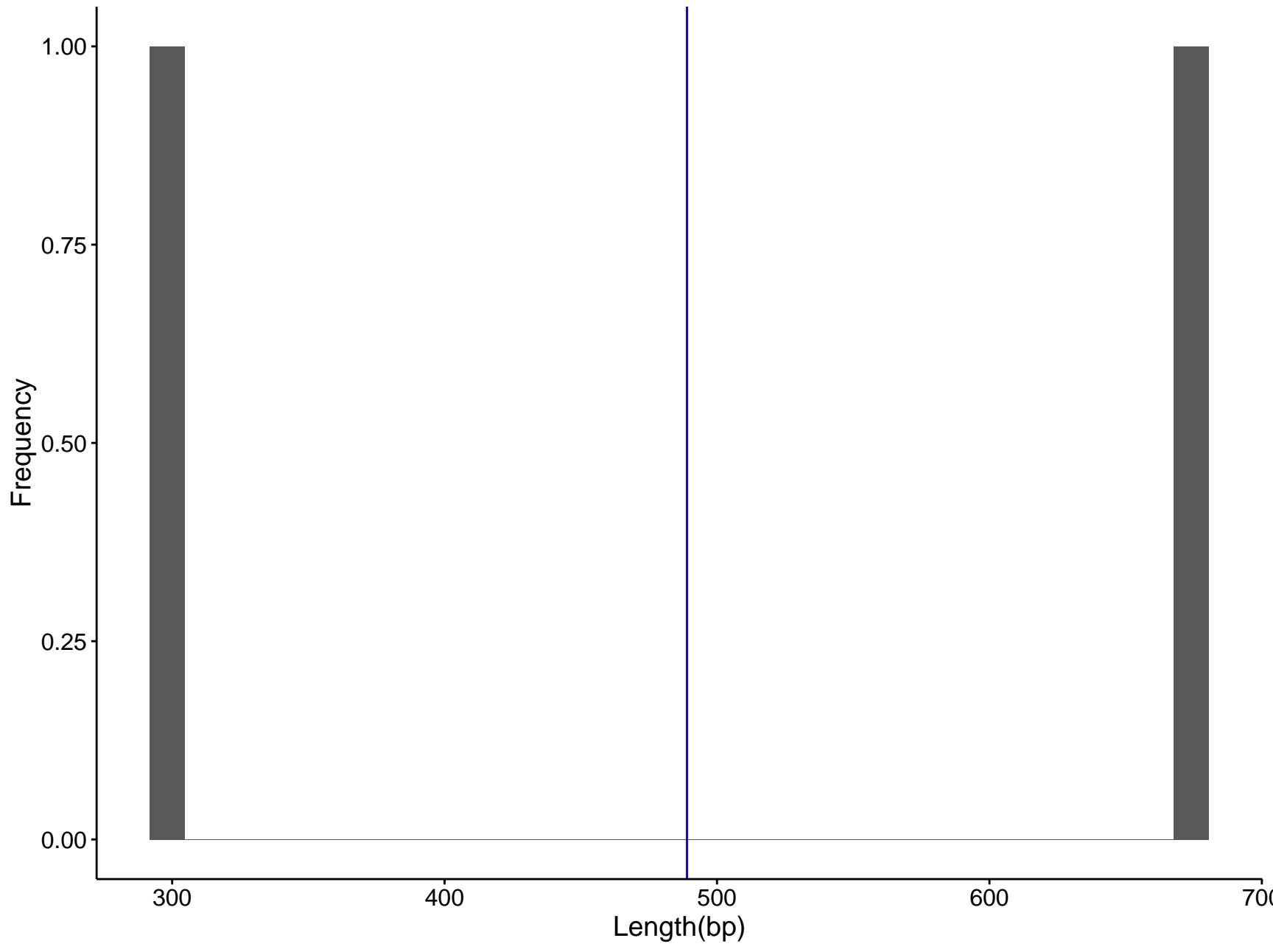
Cluster3068



Cluster3069



Cluster306



Cluster3070

Frequency

429.950

429.975

430.000

430.025

Length(bp)



# Cluster3071

Frequency

976.950

976.975

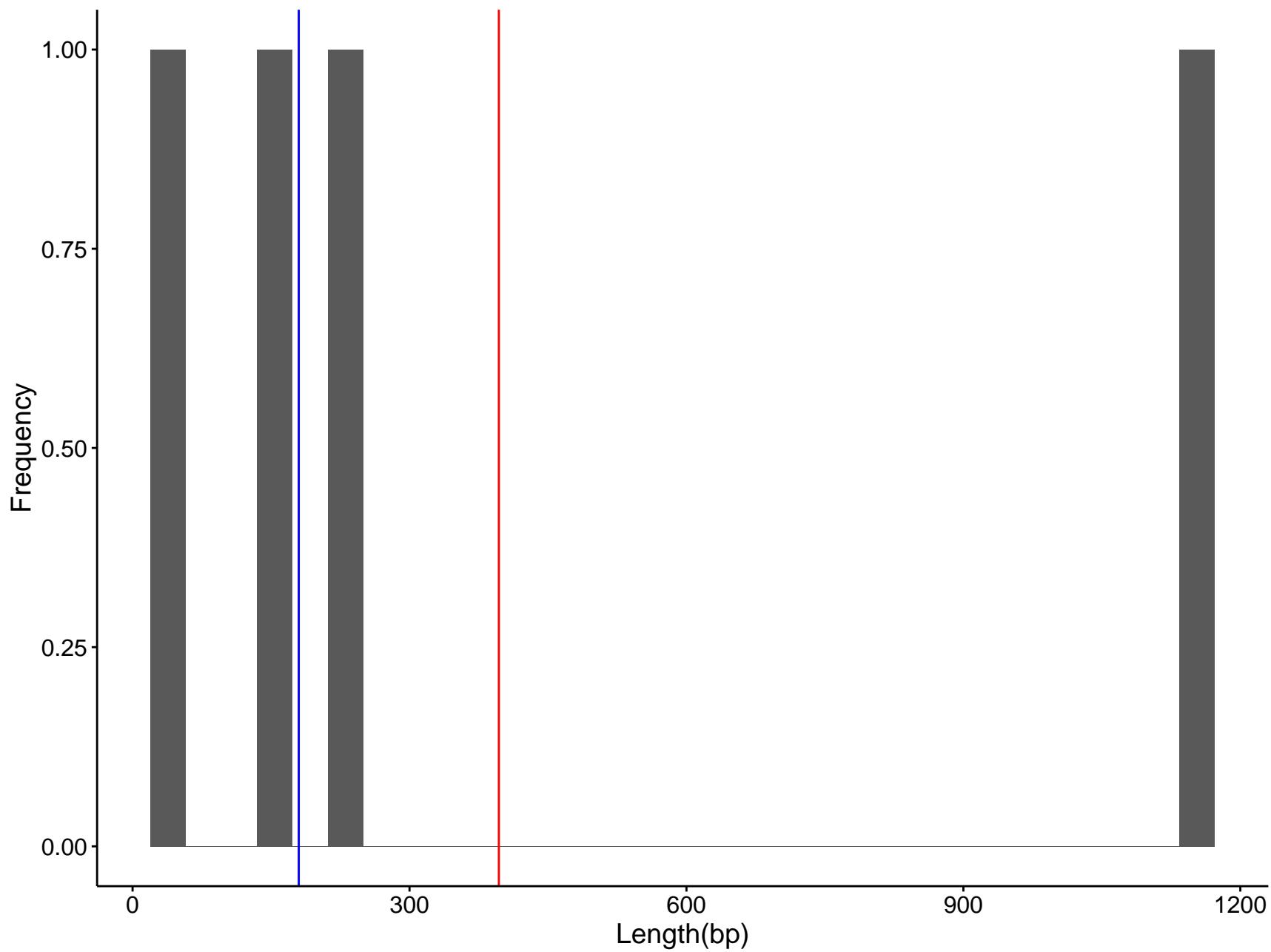
977.000

977.025

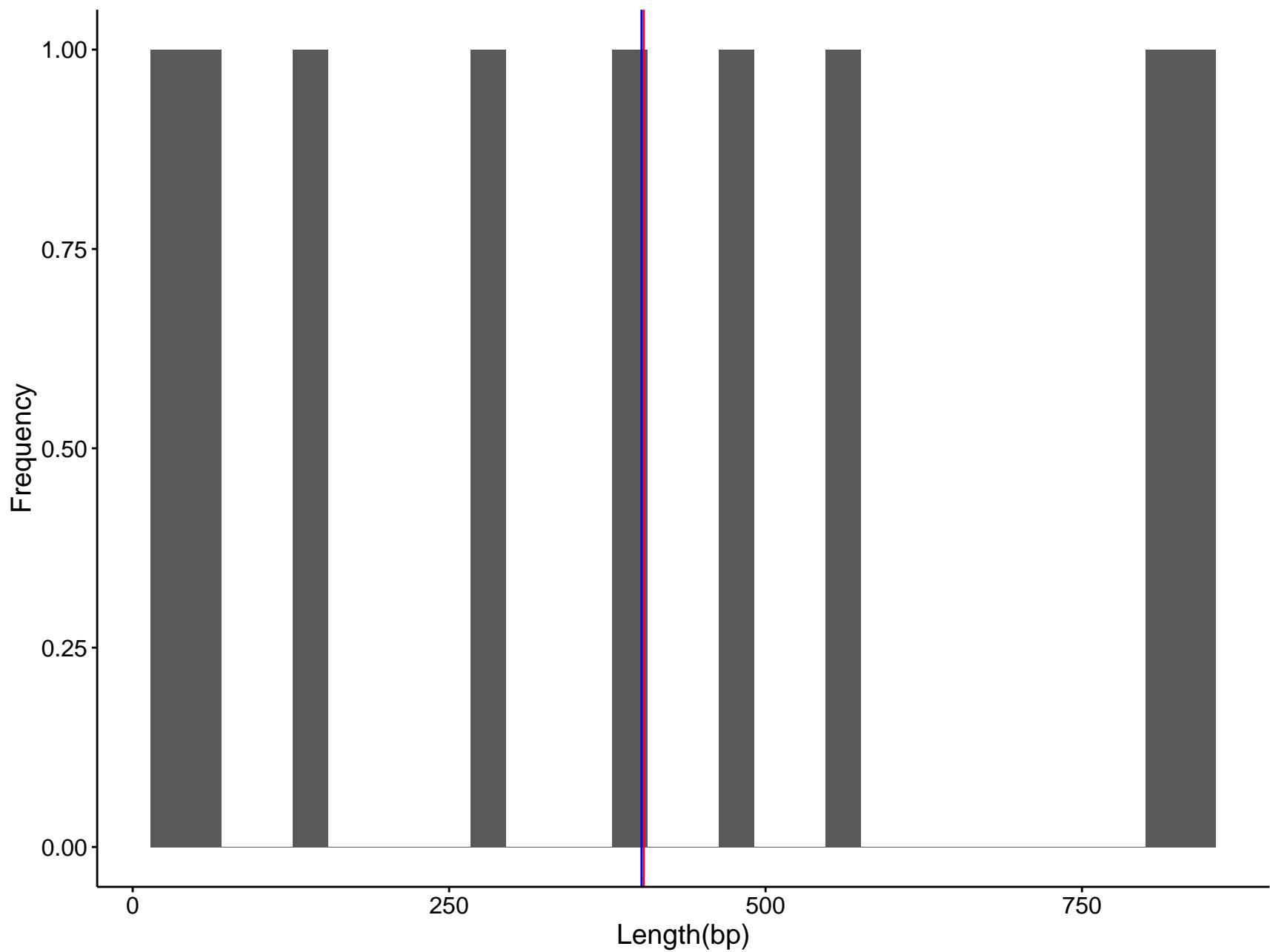
Length(bp)



Cluster3072



Cluster3073



Cluster3074

Frequency

282.950

282.975

283.000

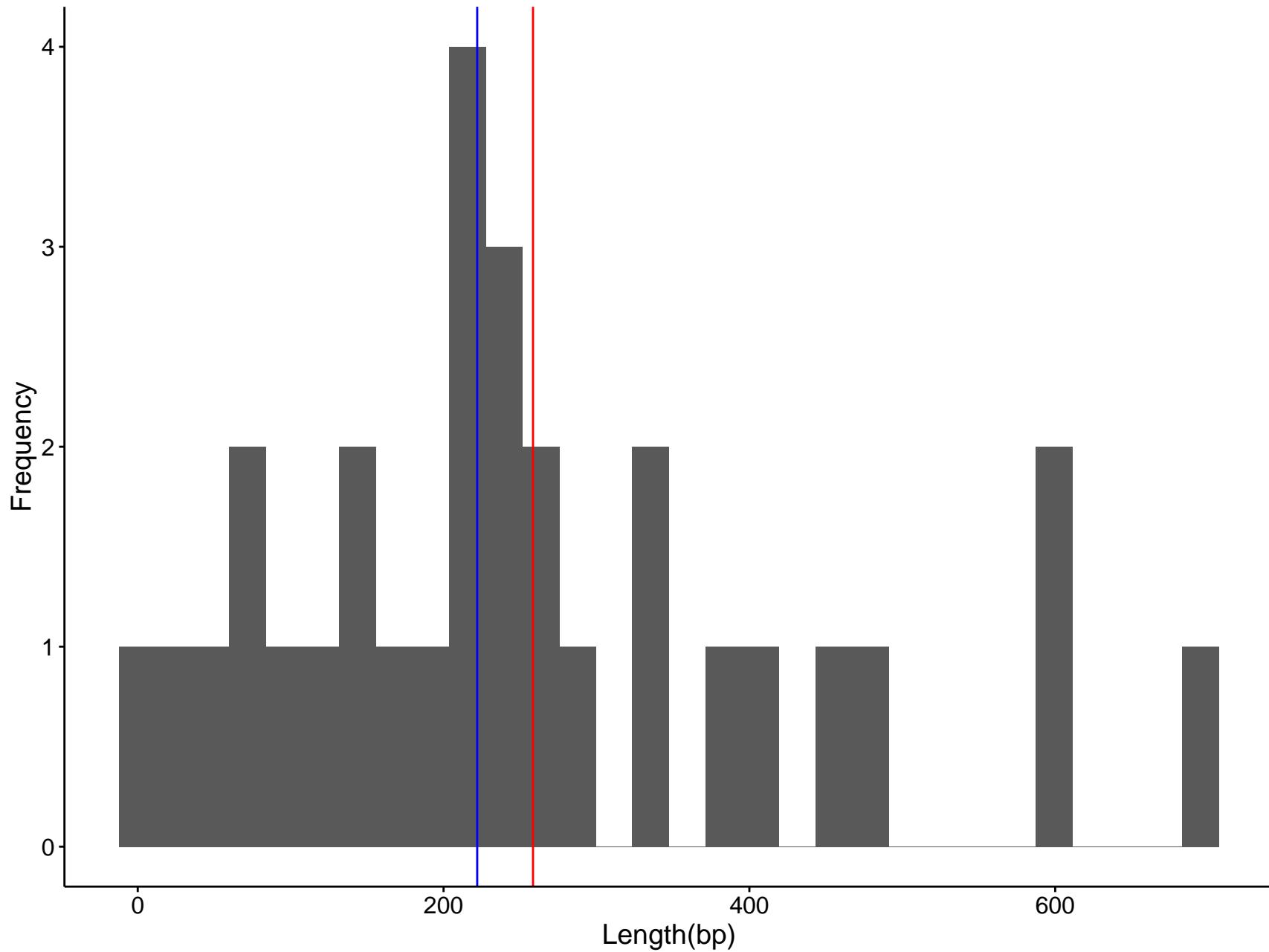
283.025

283.050

Length(bp)



Cluster3075



Cluster3076

Frequency

628.950

628.975

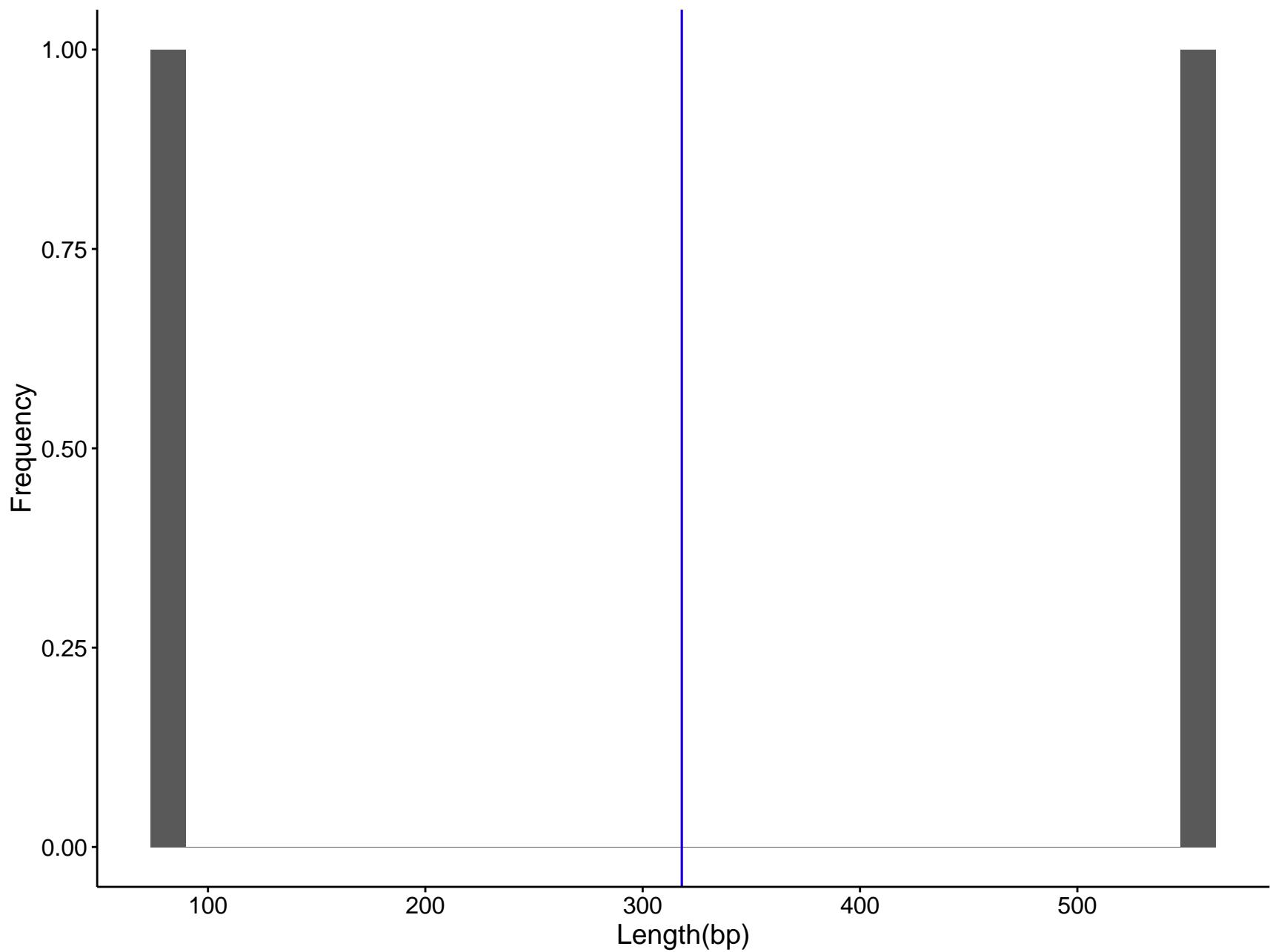
629.000

629.025

Length(bp)



Cluster3077



# Cluster3078

Frequency

319.950

319.975

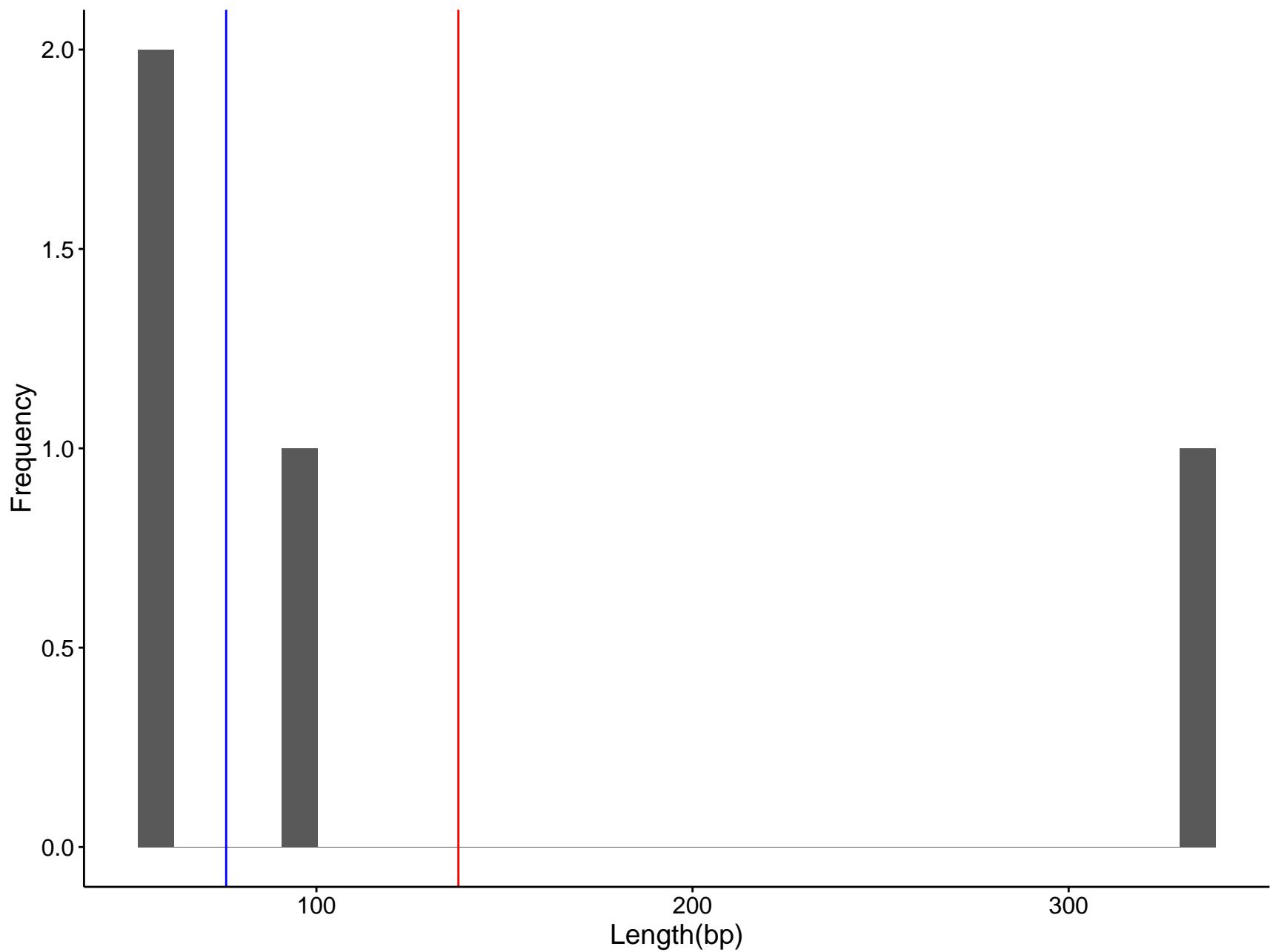
320.000

320.025

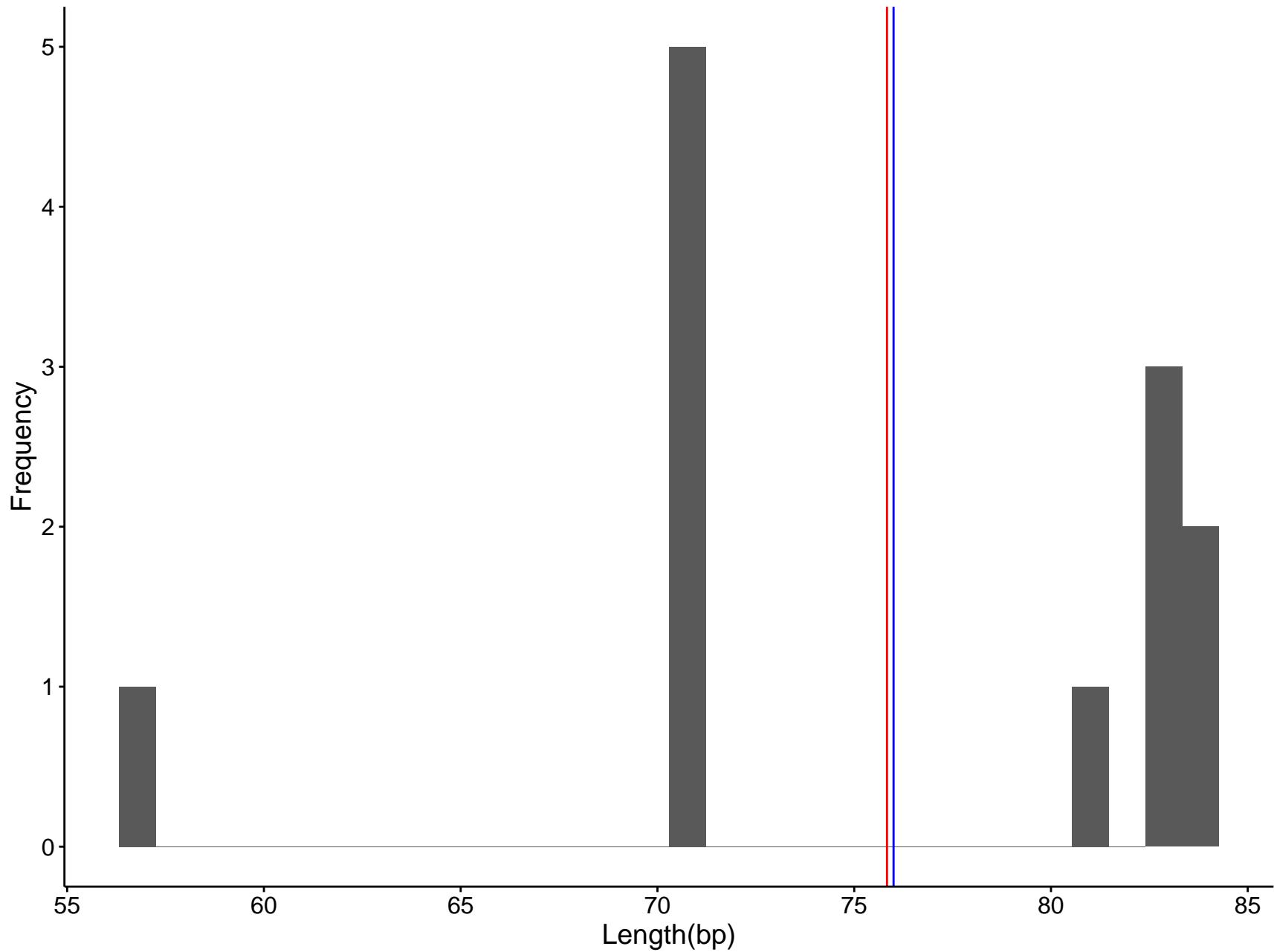
Length(bp)



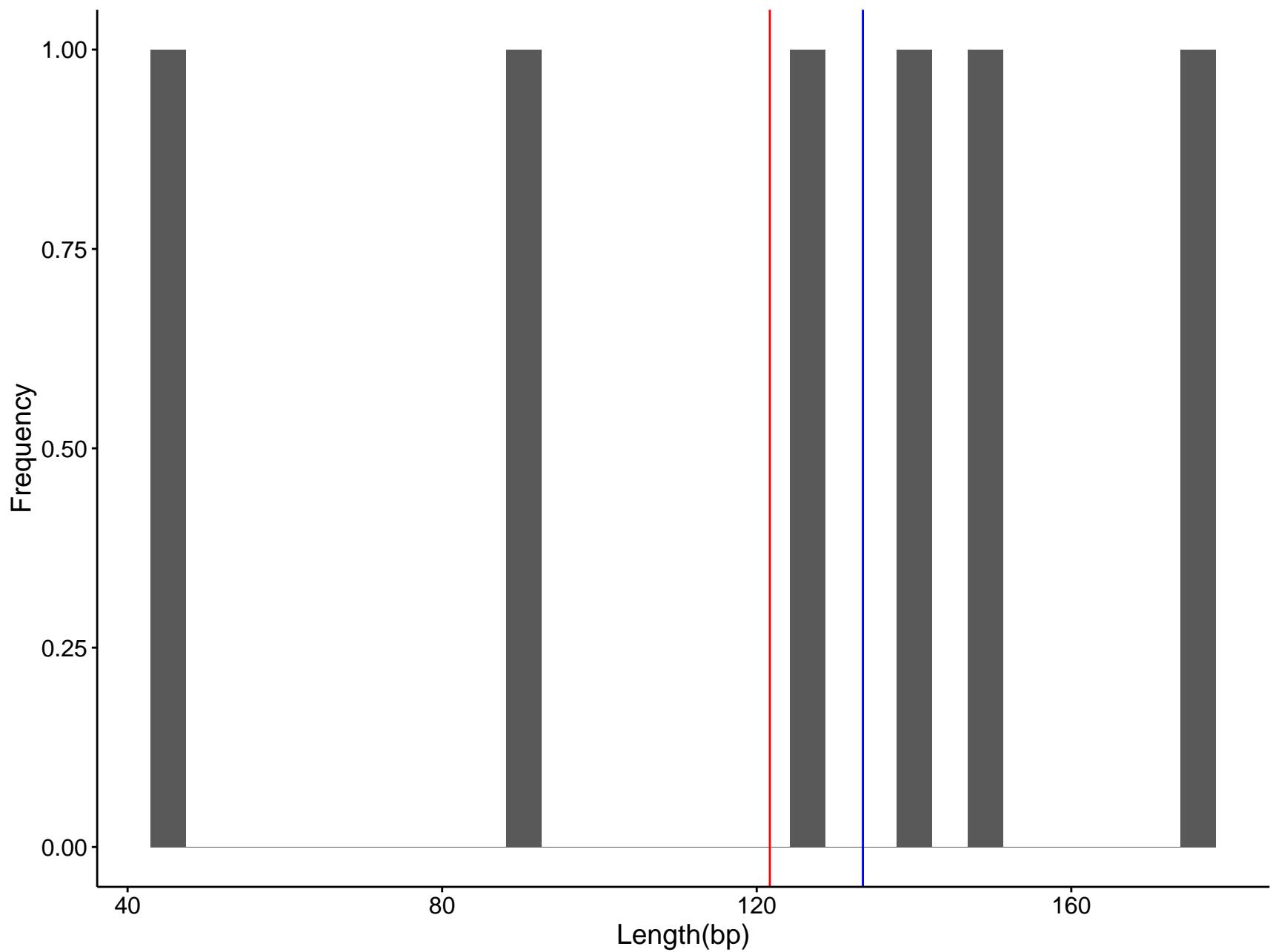
Cluster3079



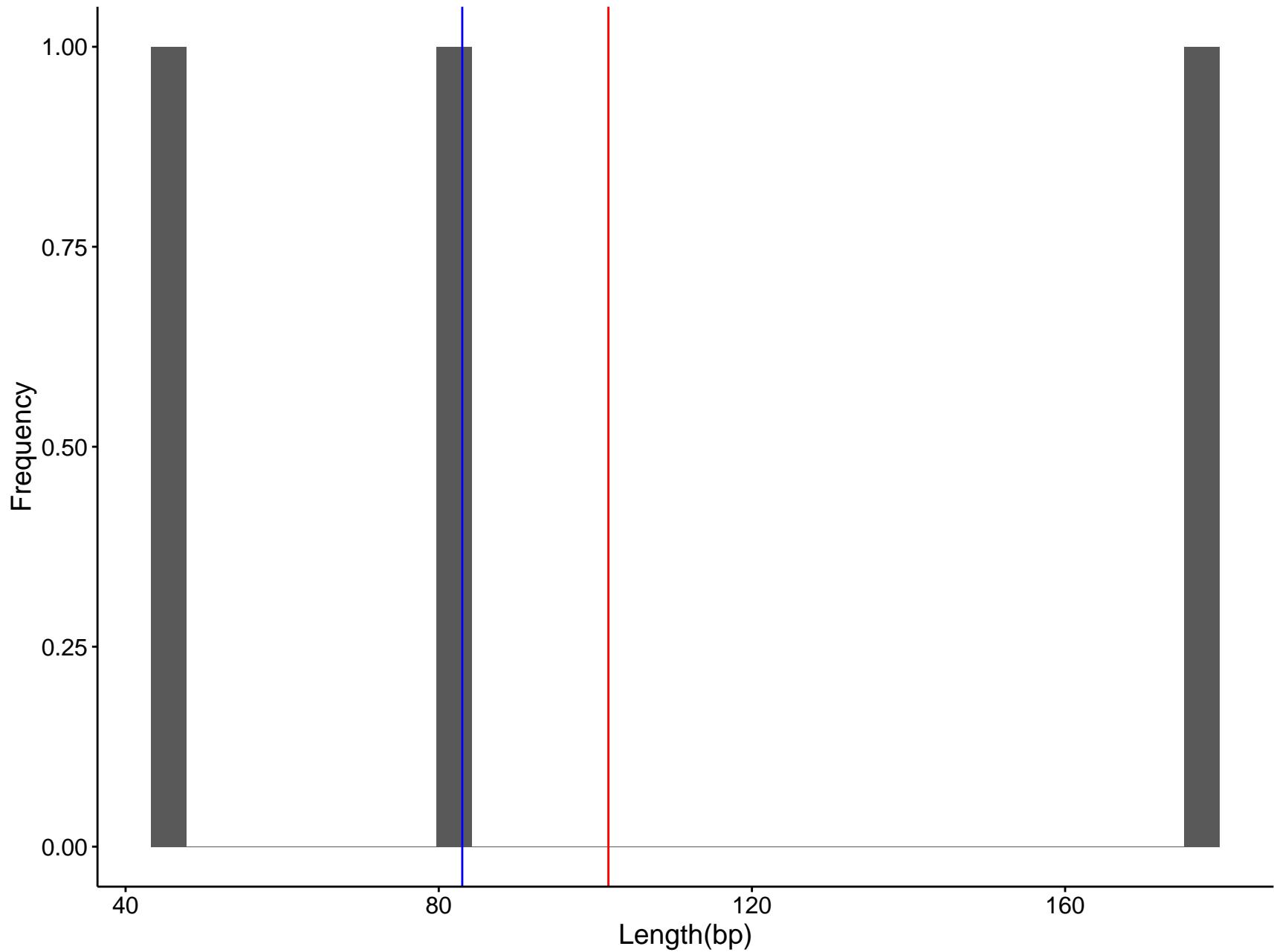
Cluster3086



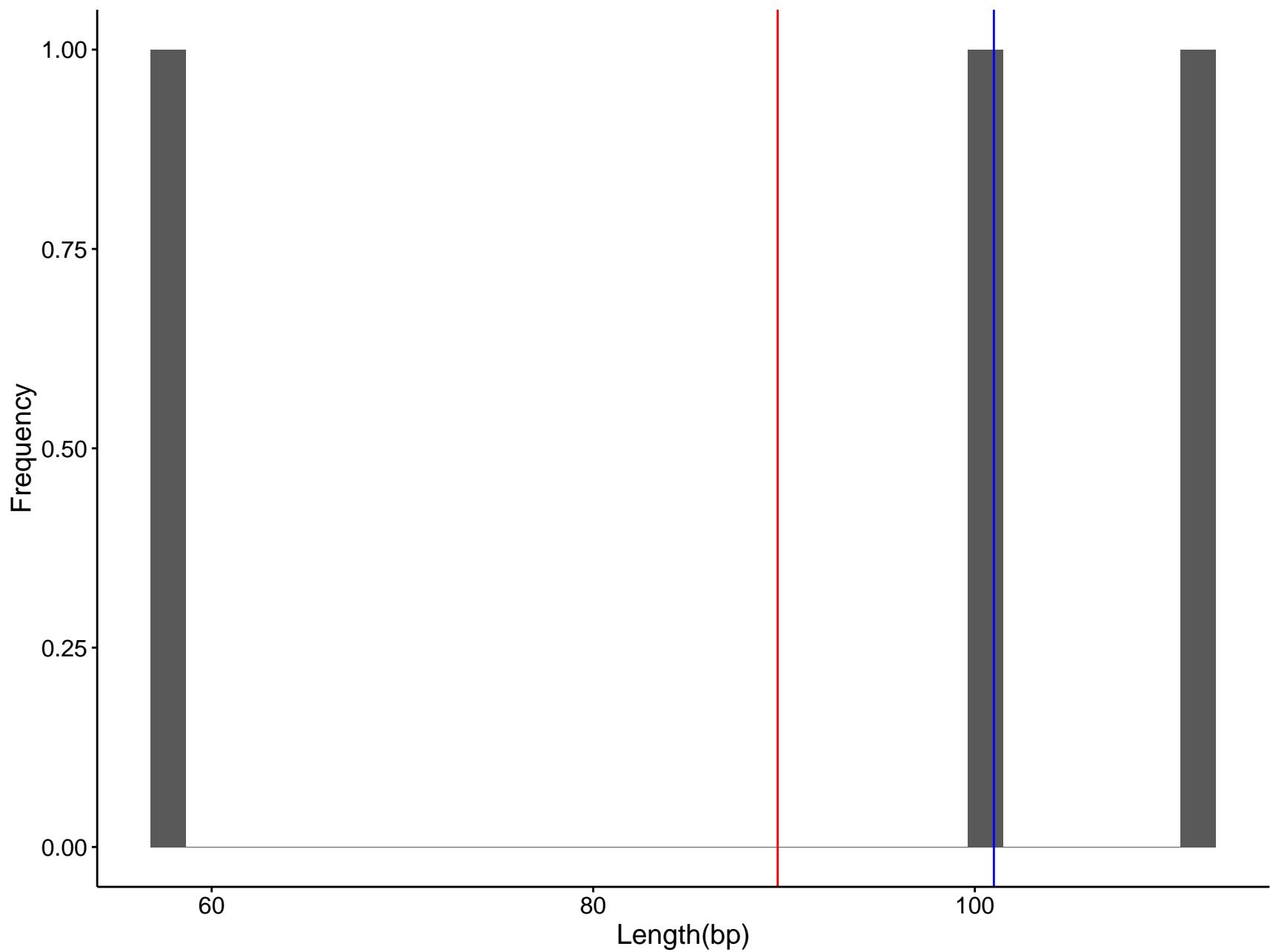
Cluster3089



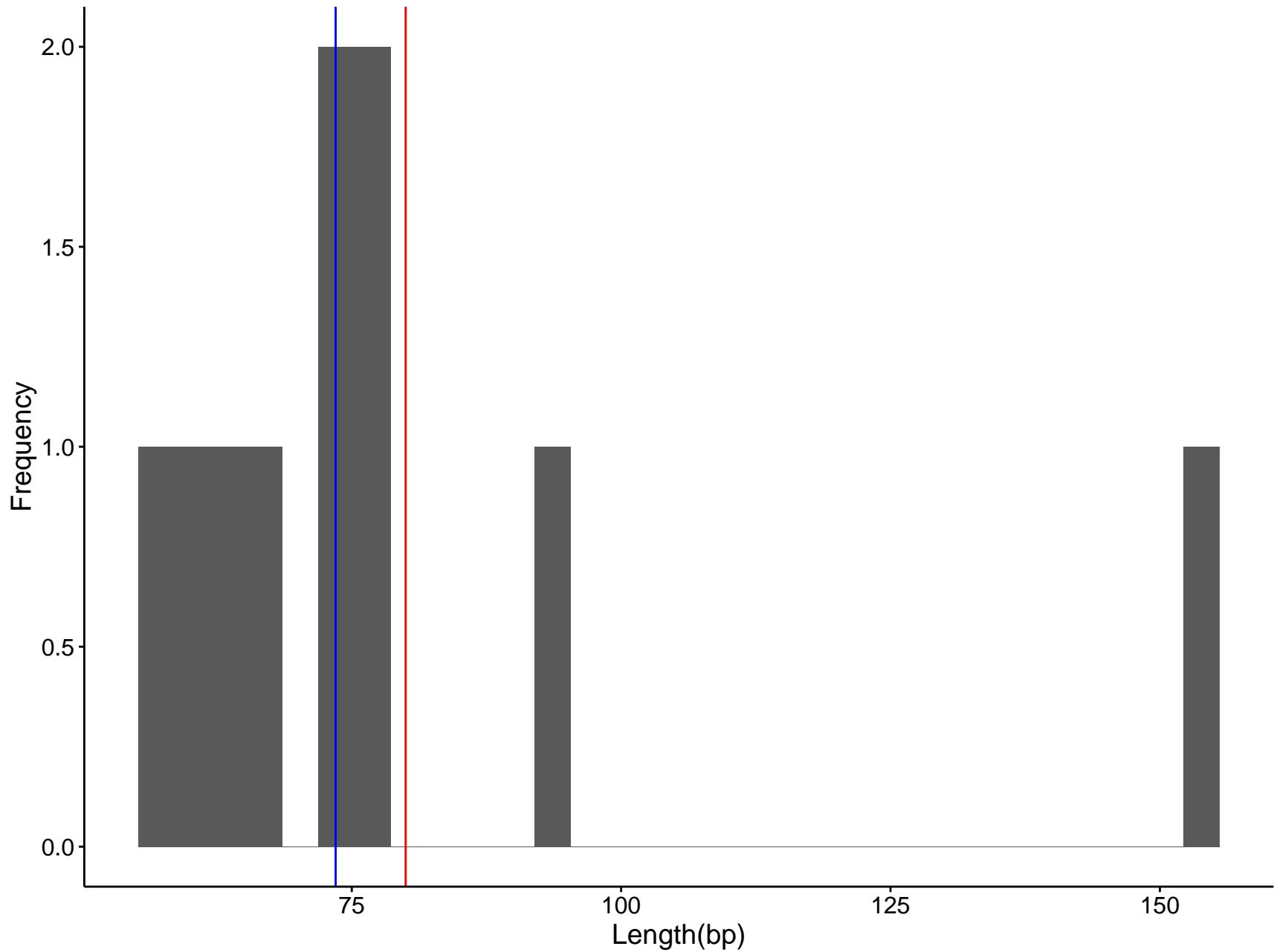
Cluster308



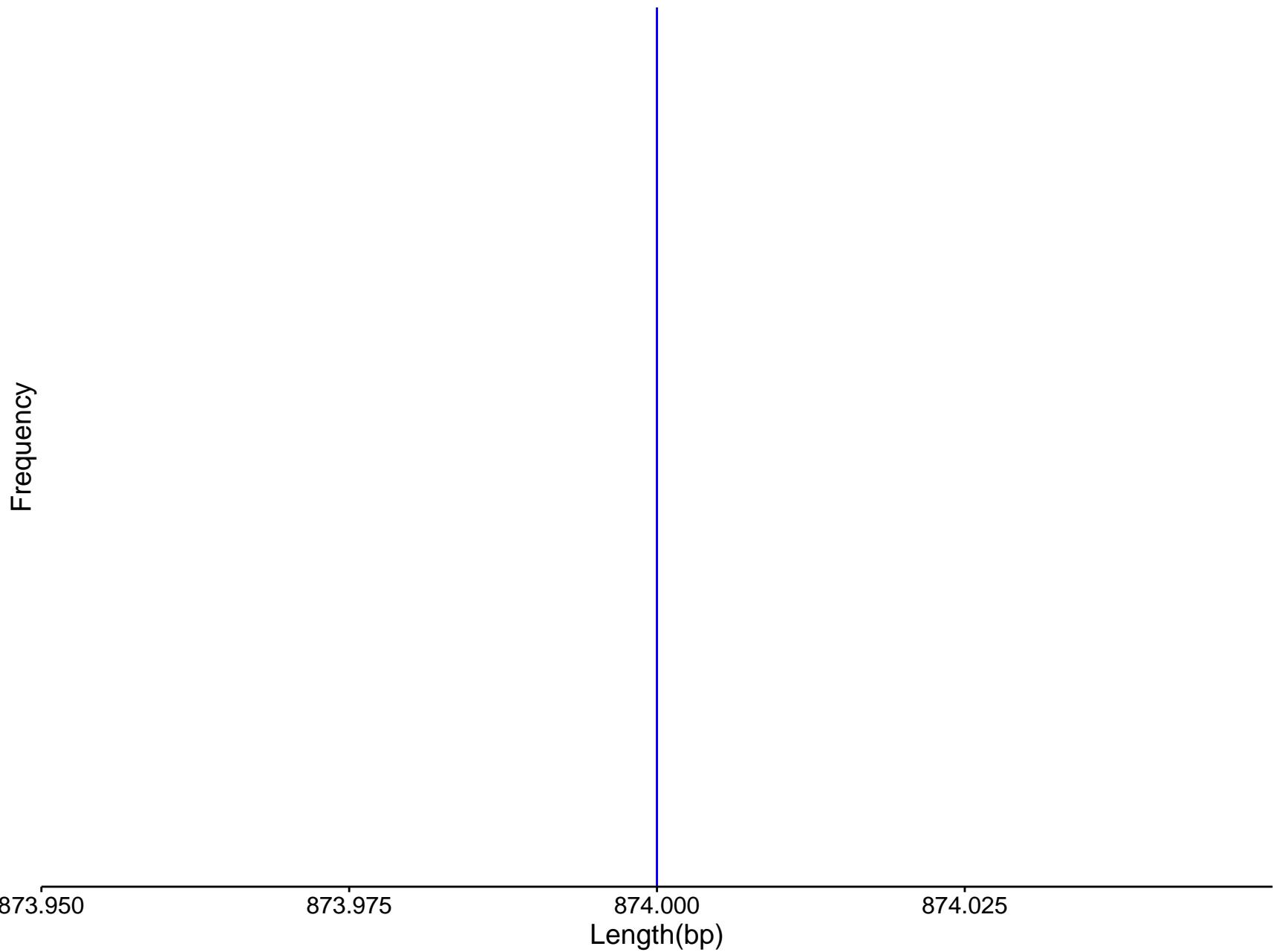
Cluster3094



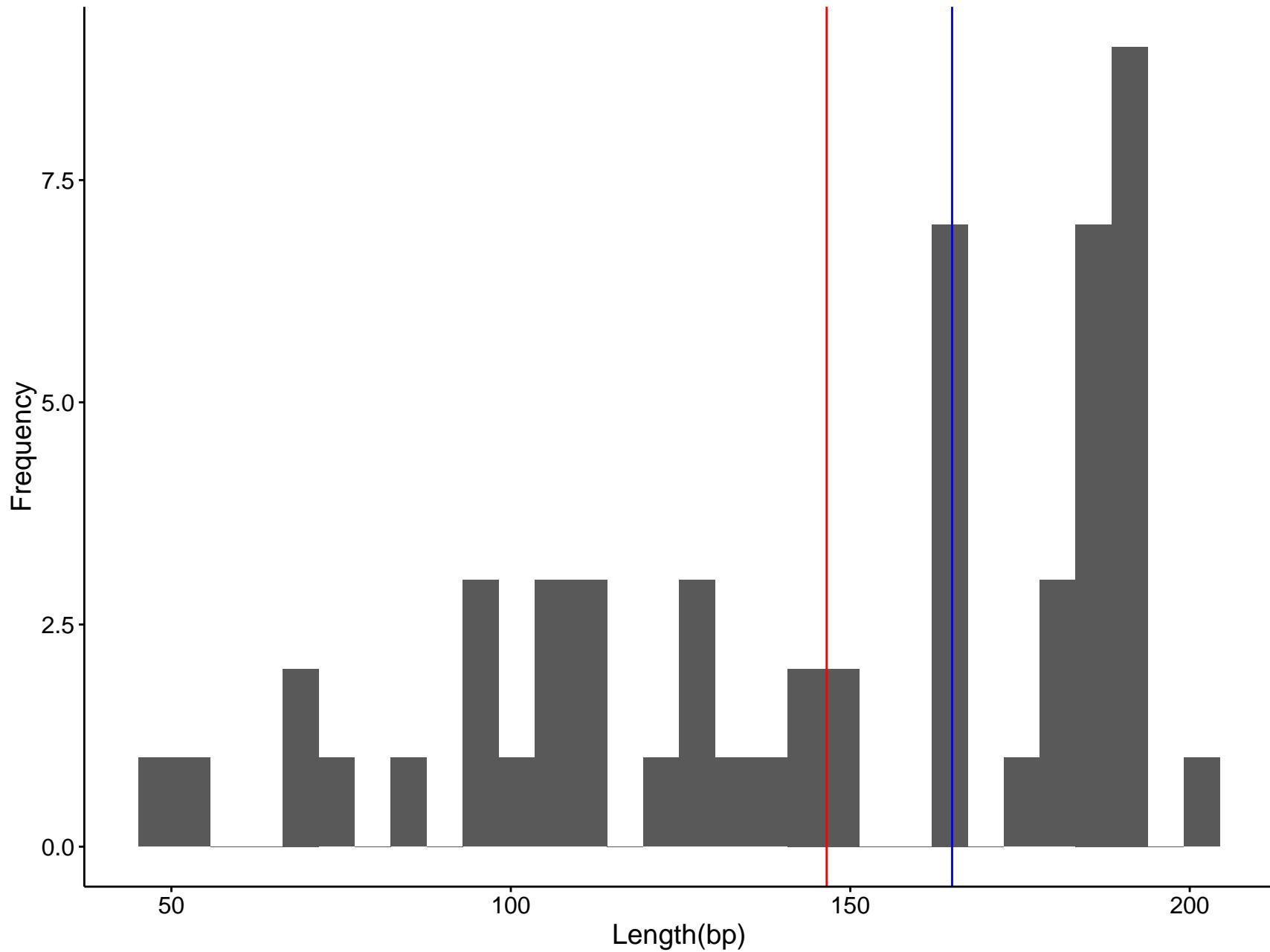
Cluster3096



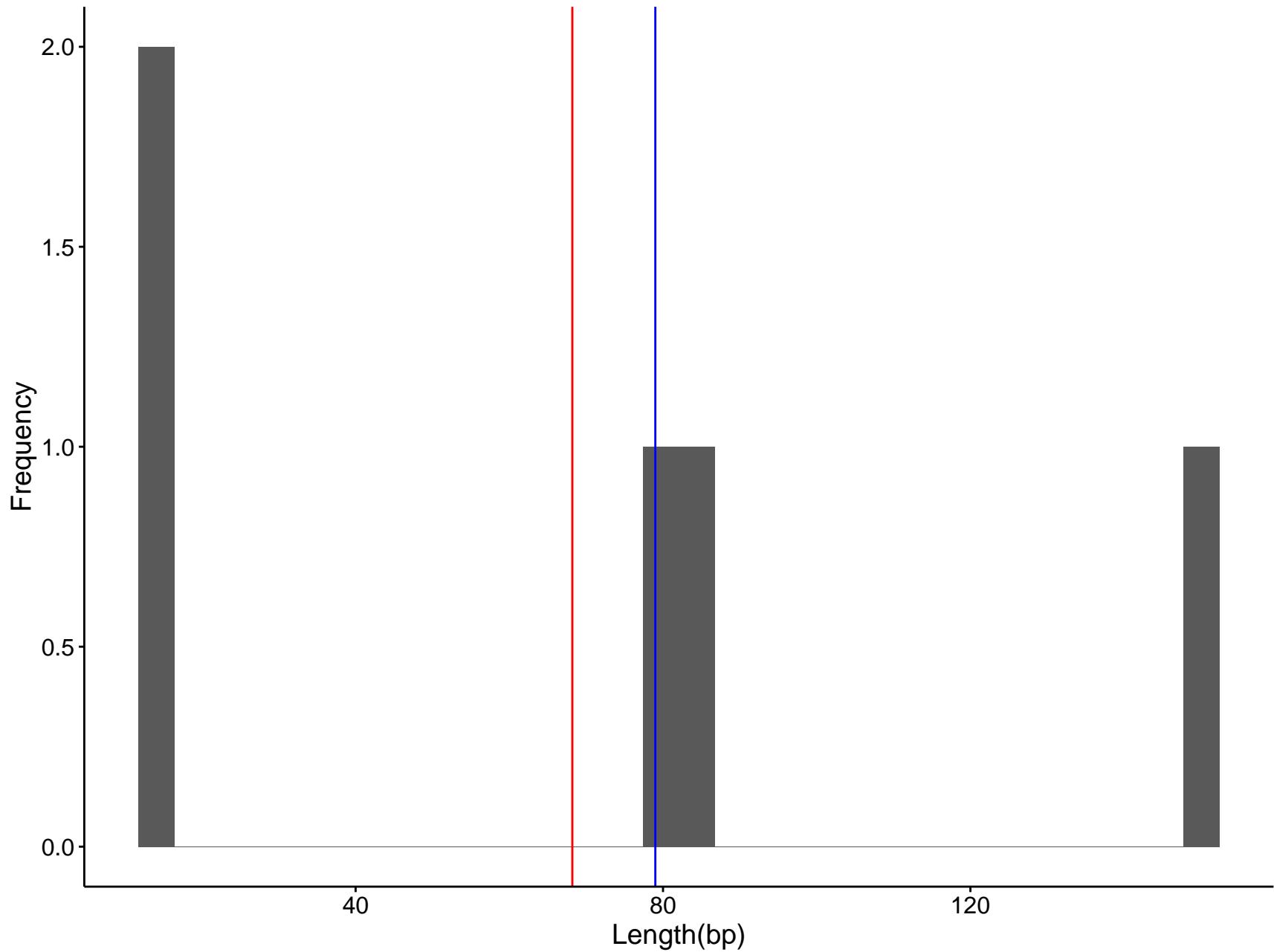
# Cluster309



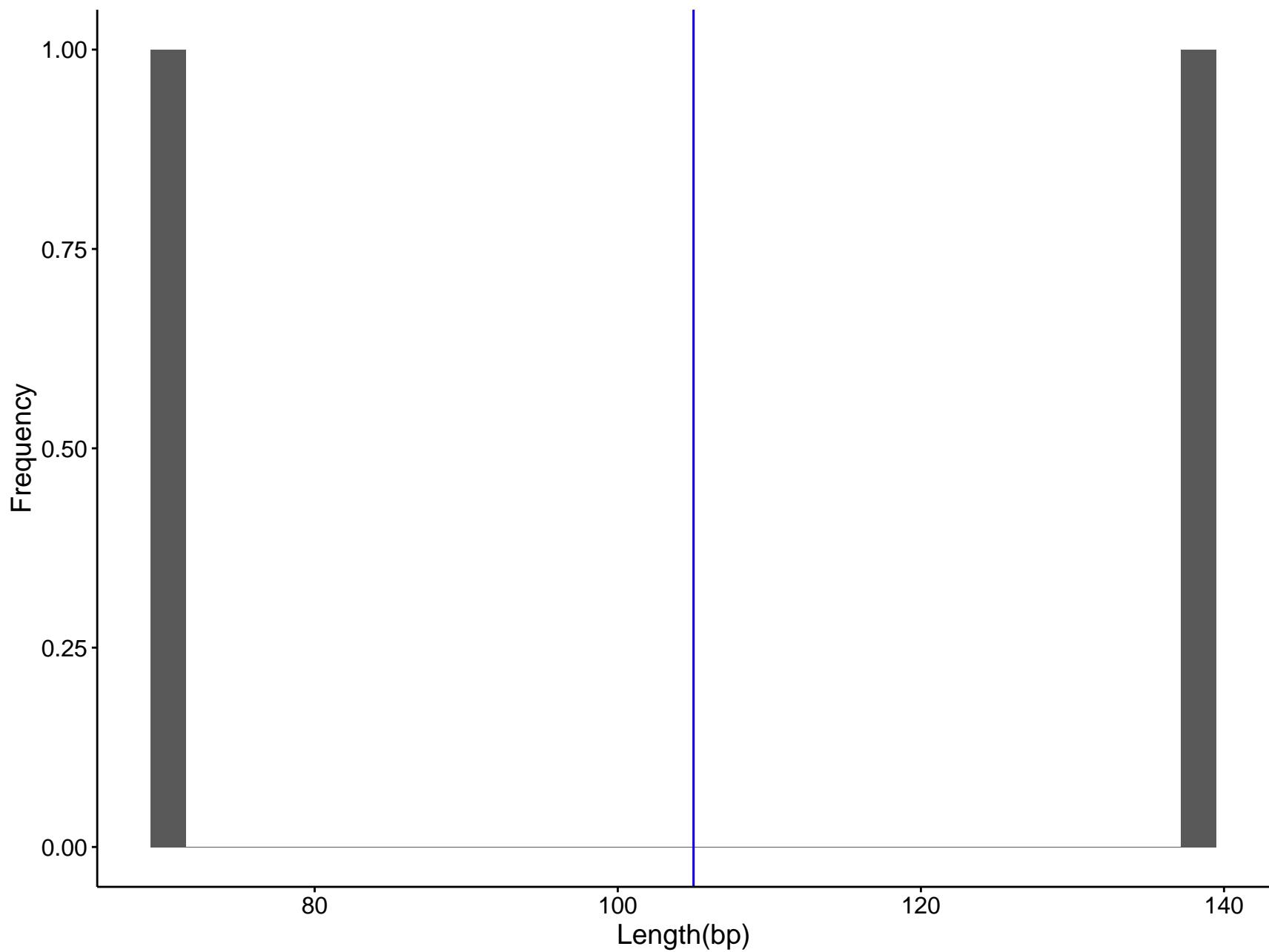
Cluster30



Cluster3100



Cluster3104



Cluster3107

Frequency

105.950

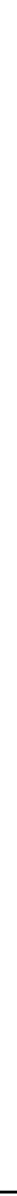
105.975

106.000

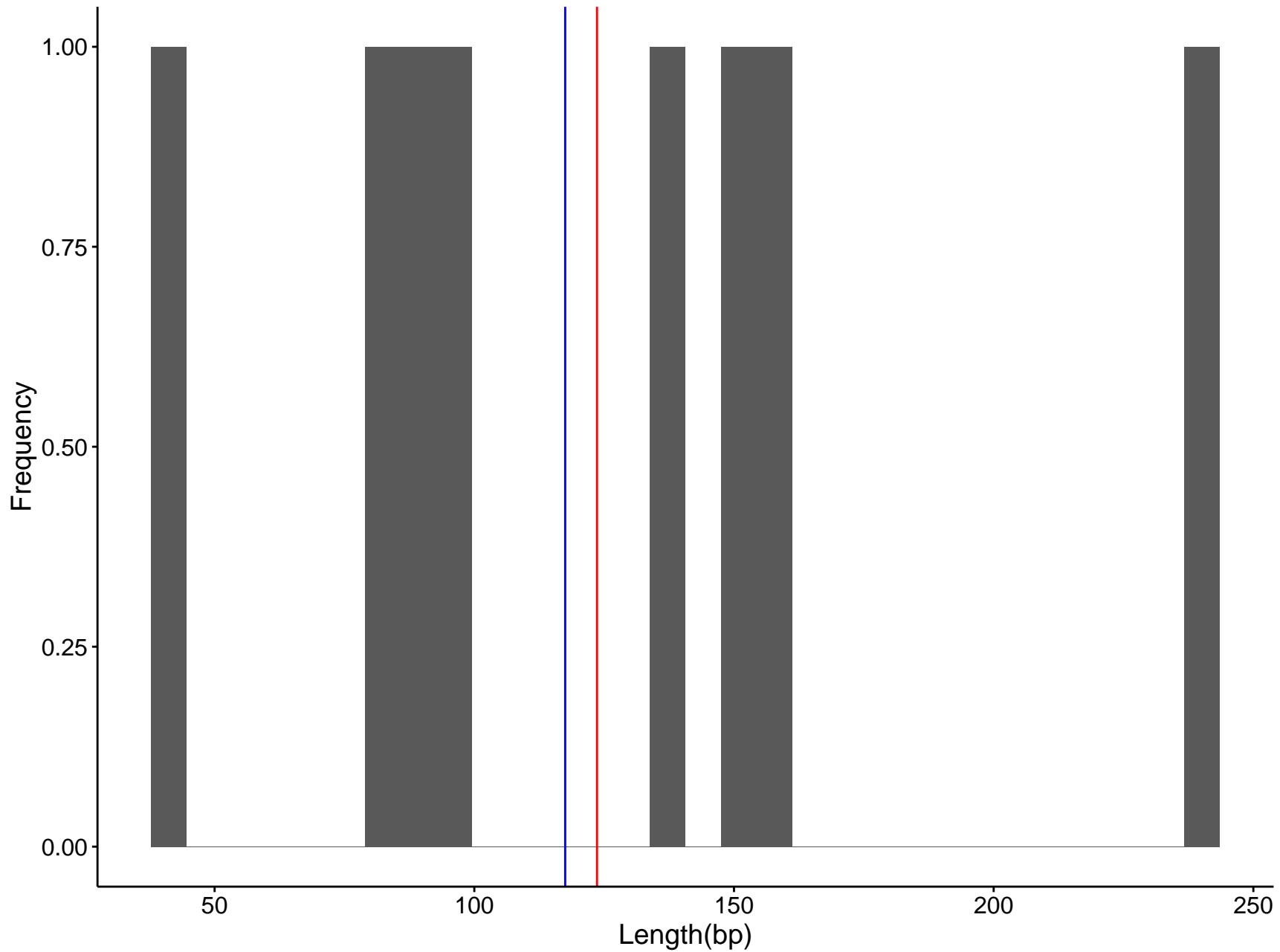
106.025

106.050

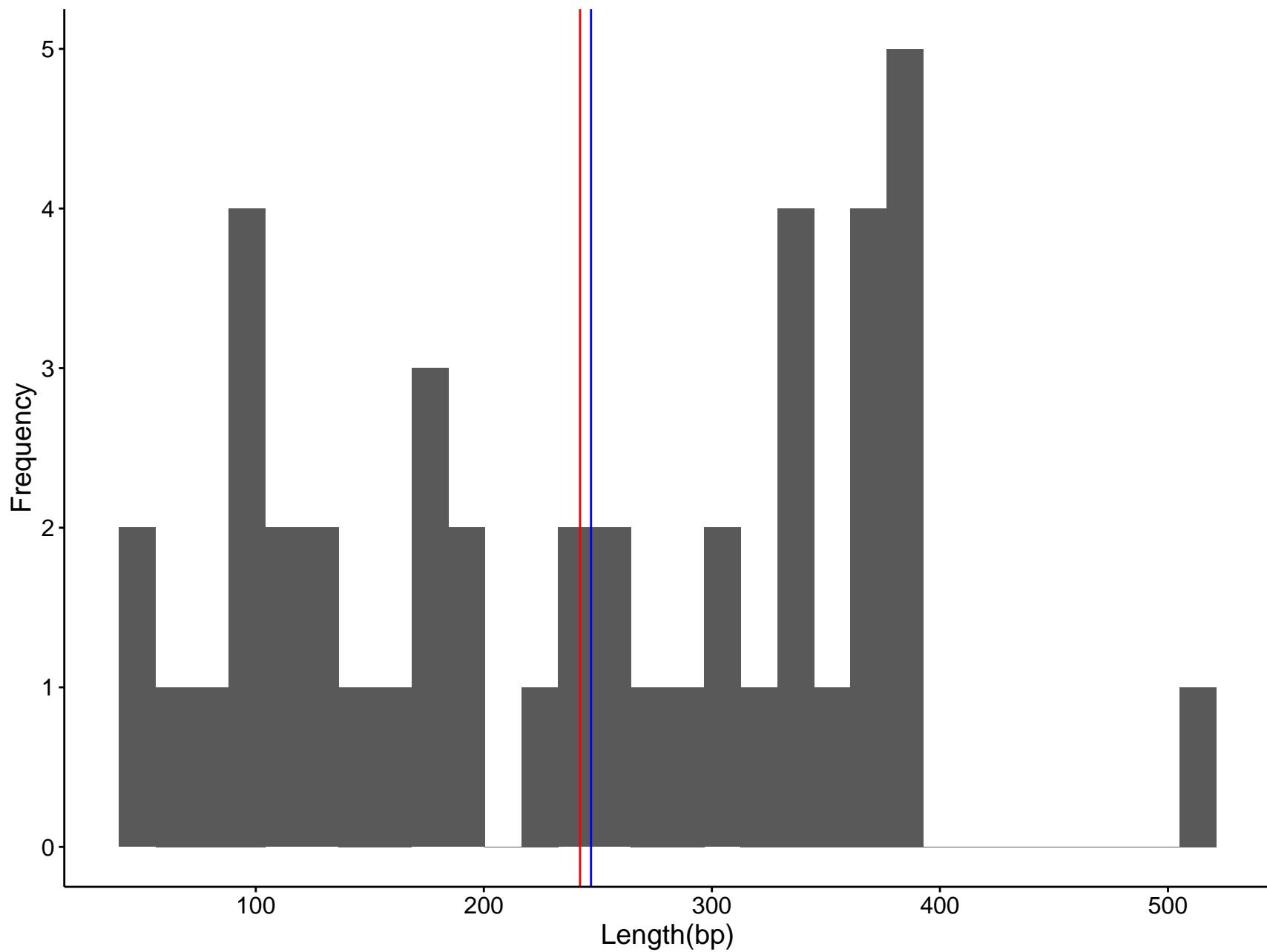
Length(bp)



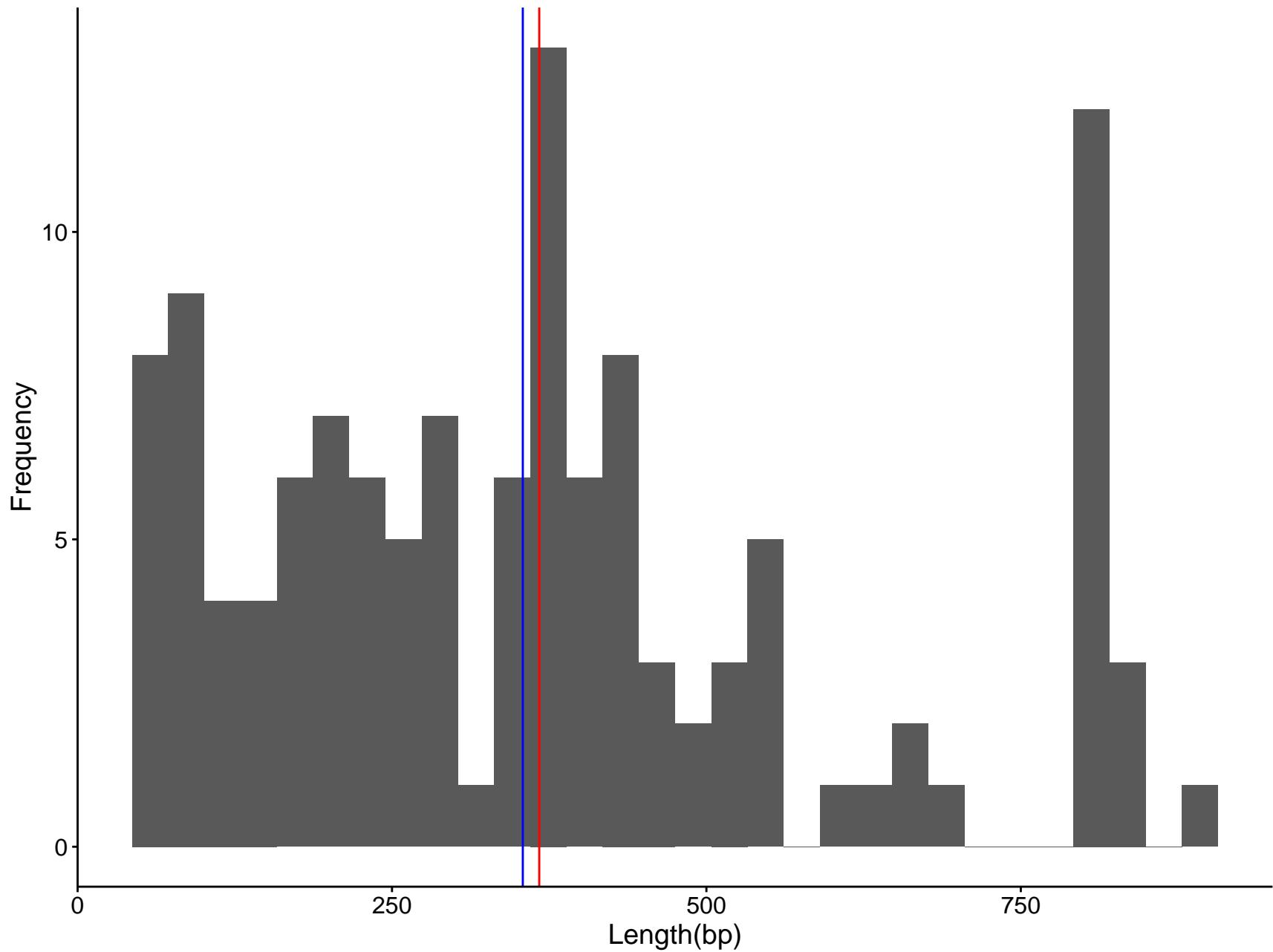
Cluster310



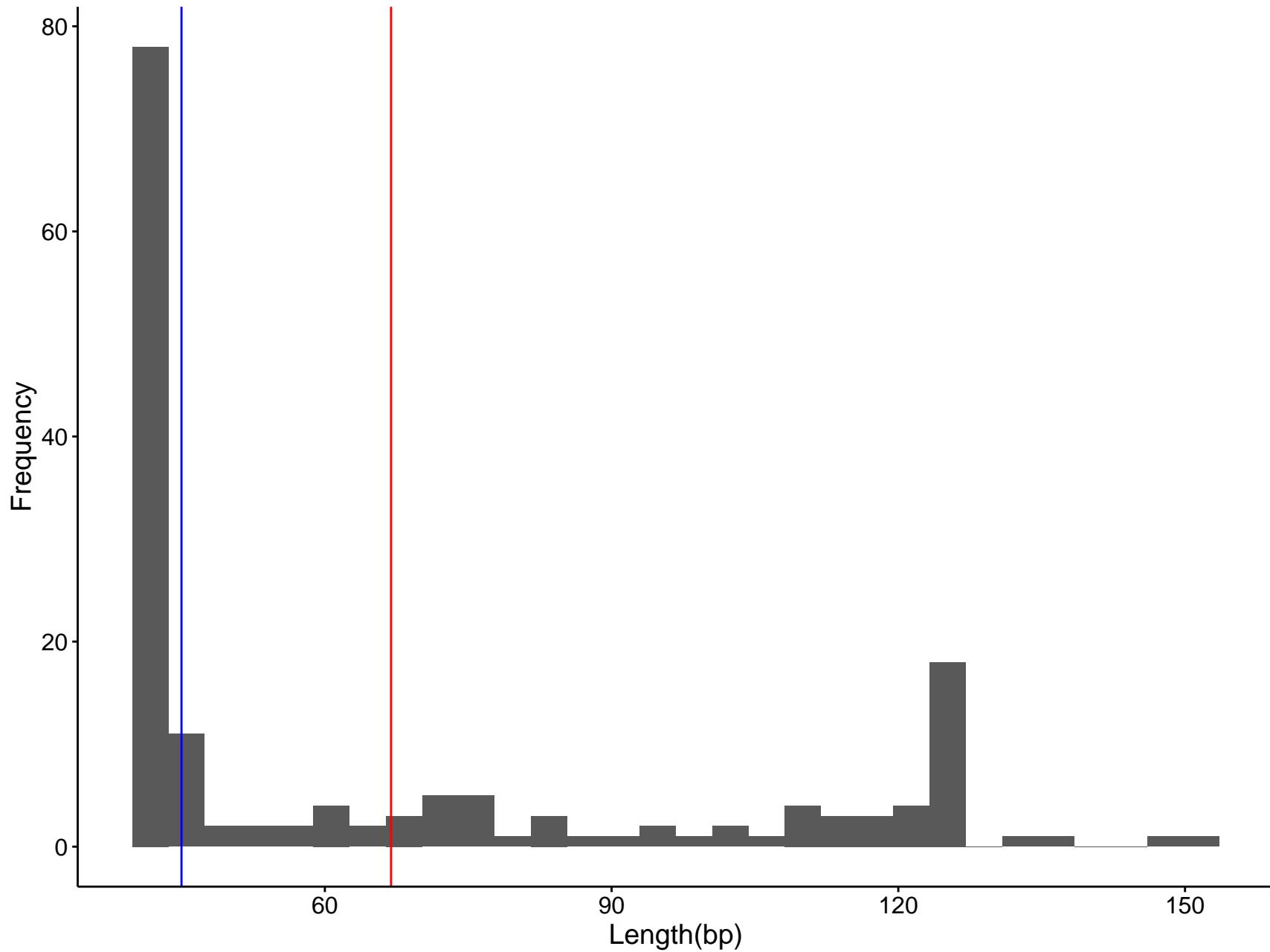
Cluster3112



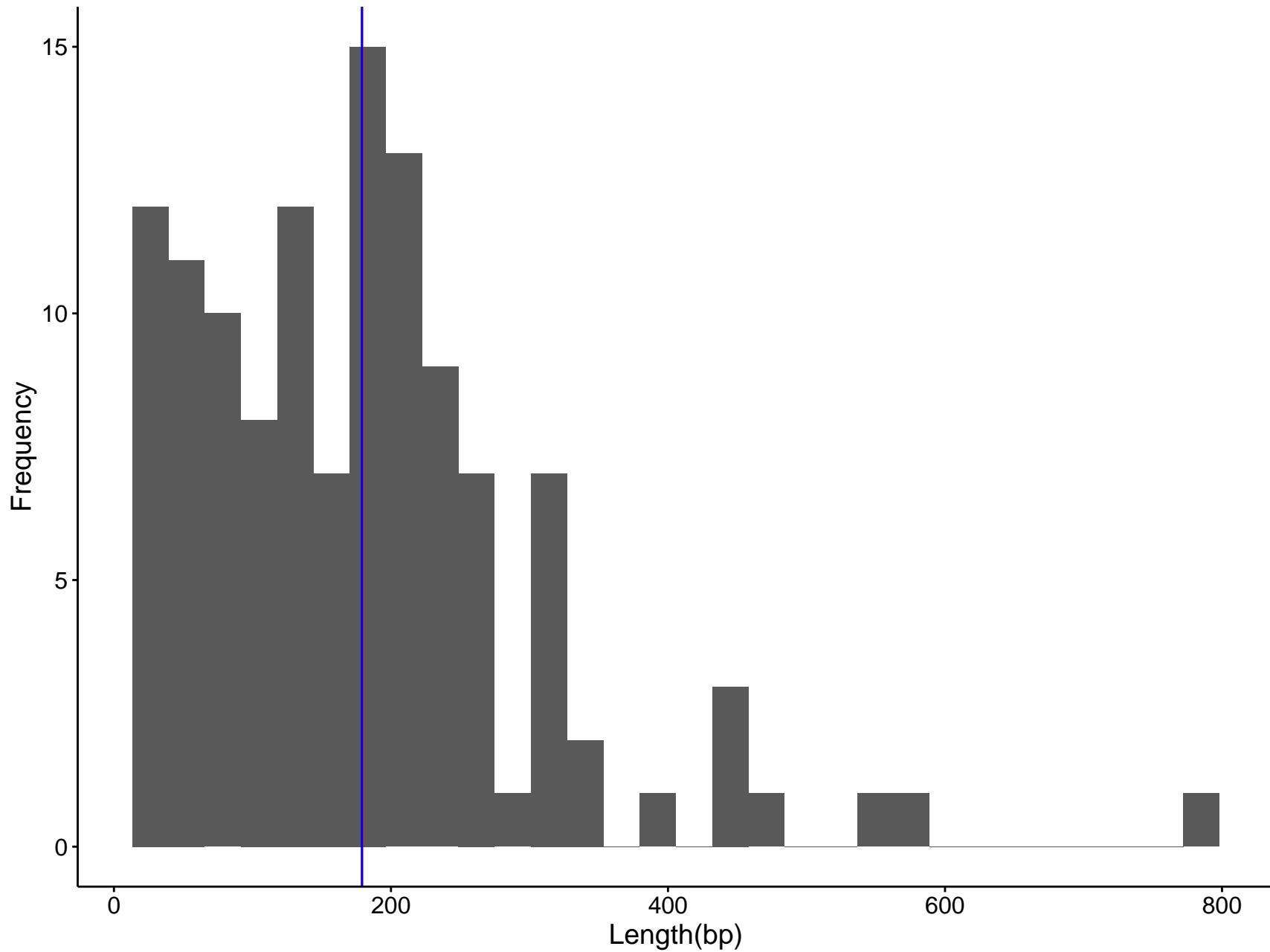
Cluster3113



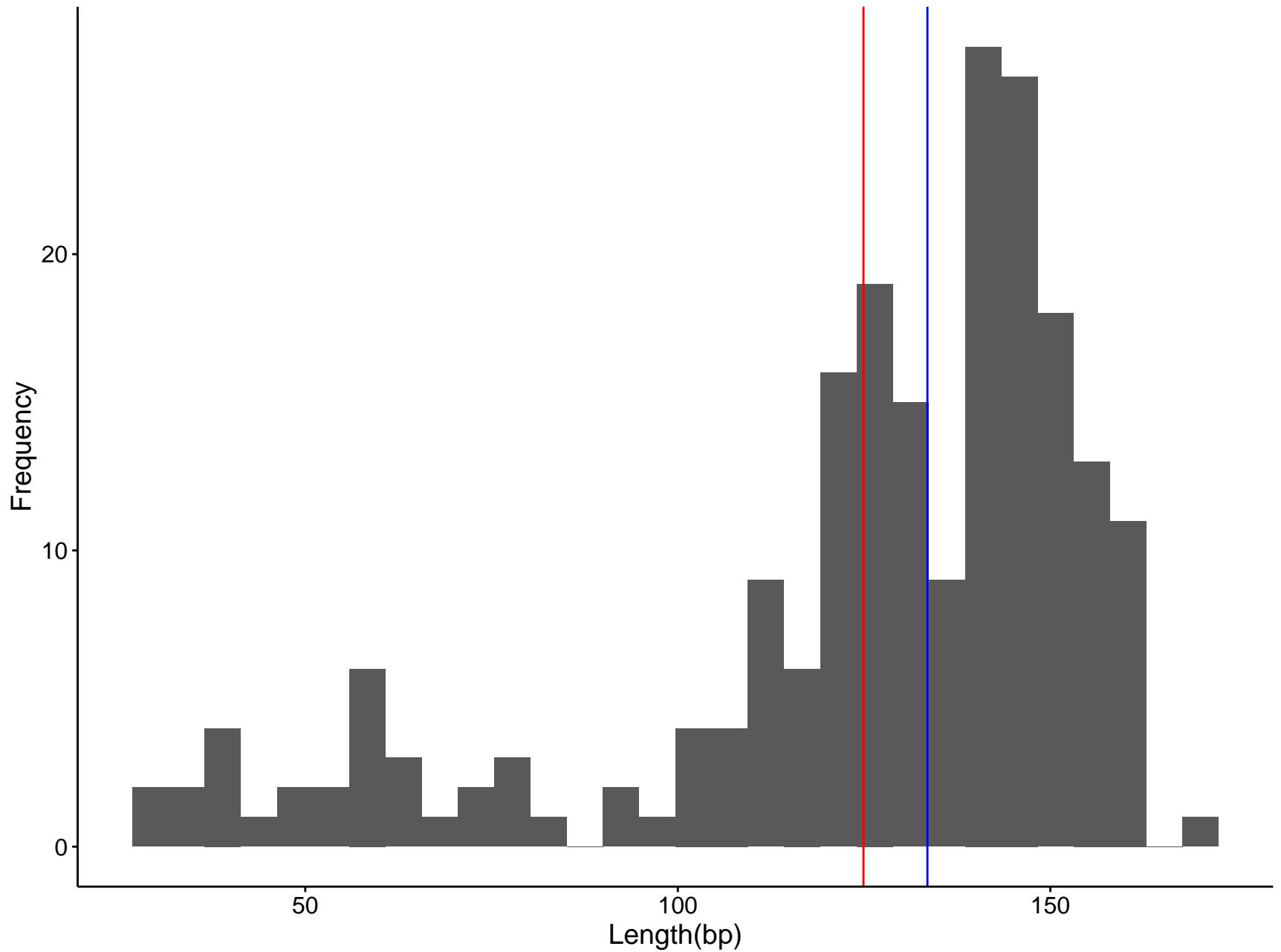
Cluster3114



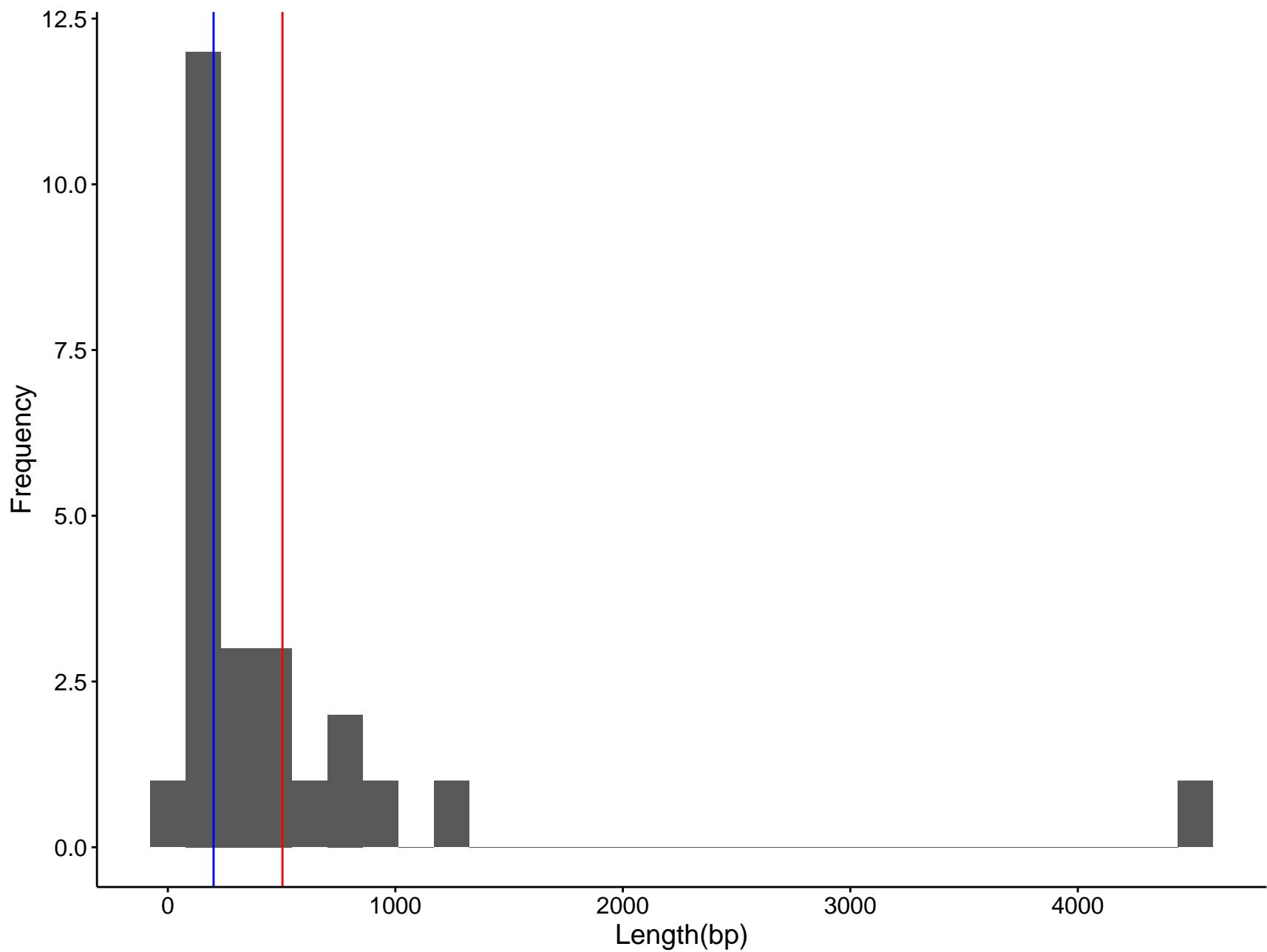
Cluster3115



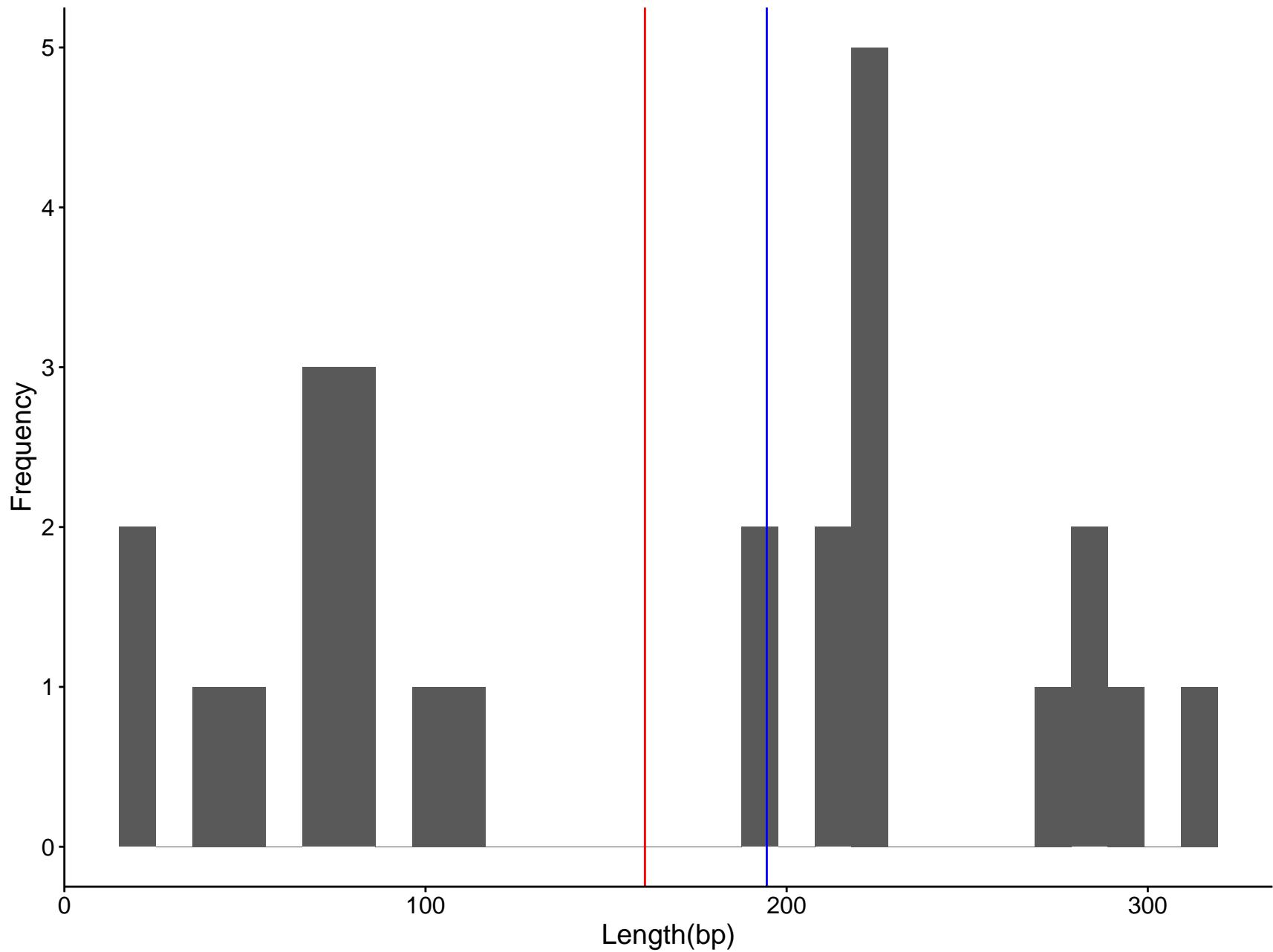
# Cluster3116



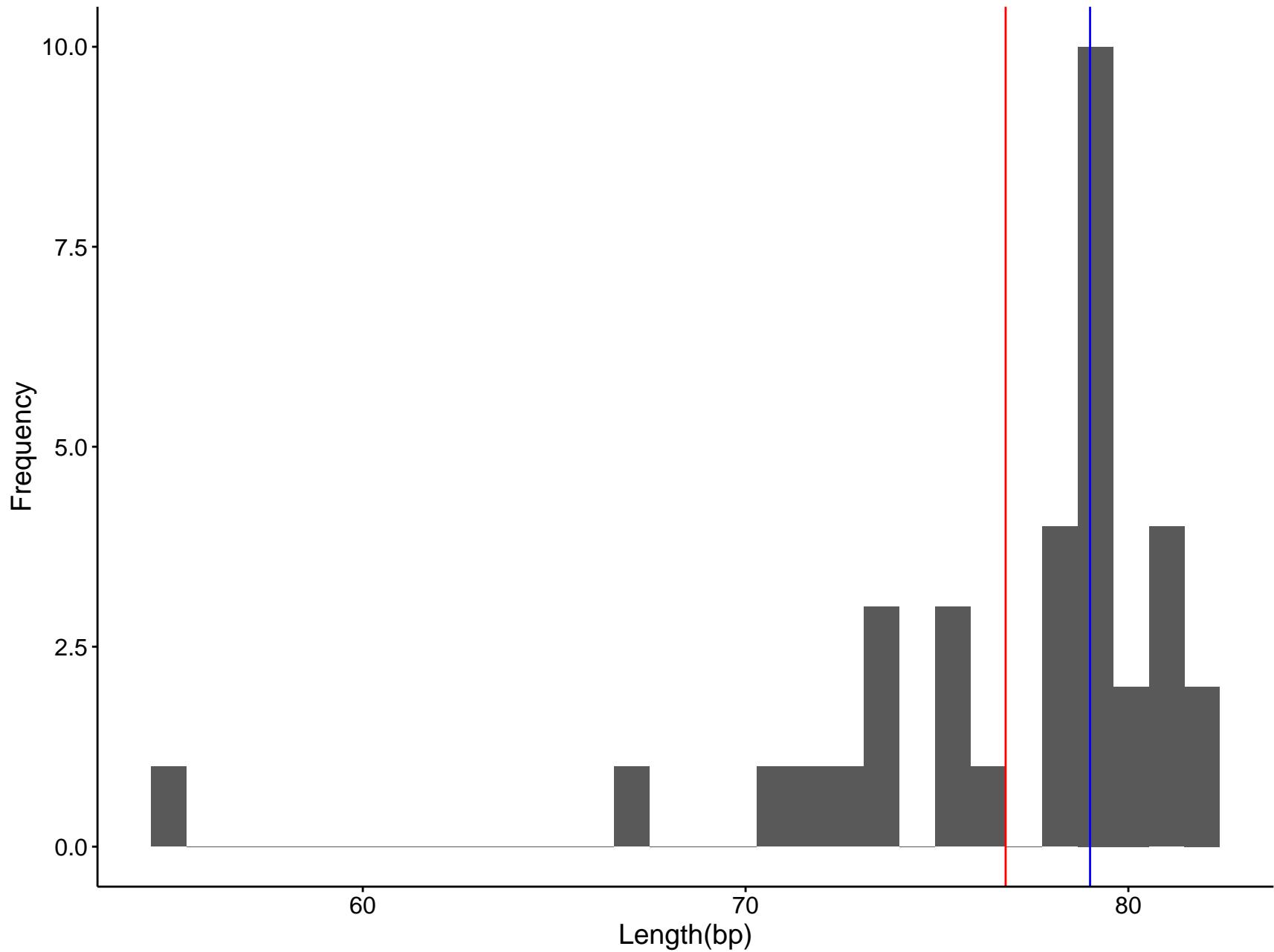
Cluster3117



Cluster3119



Cluster3122



Cluster3123

Frequency

53.950

53.975

54.000

54.025

Length(bp)



# Cluster3126

Frequency

45.950

45.975

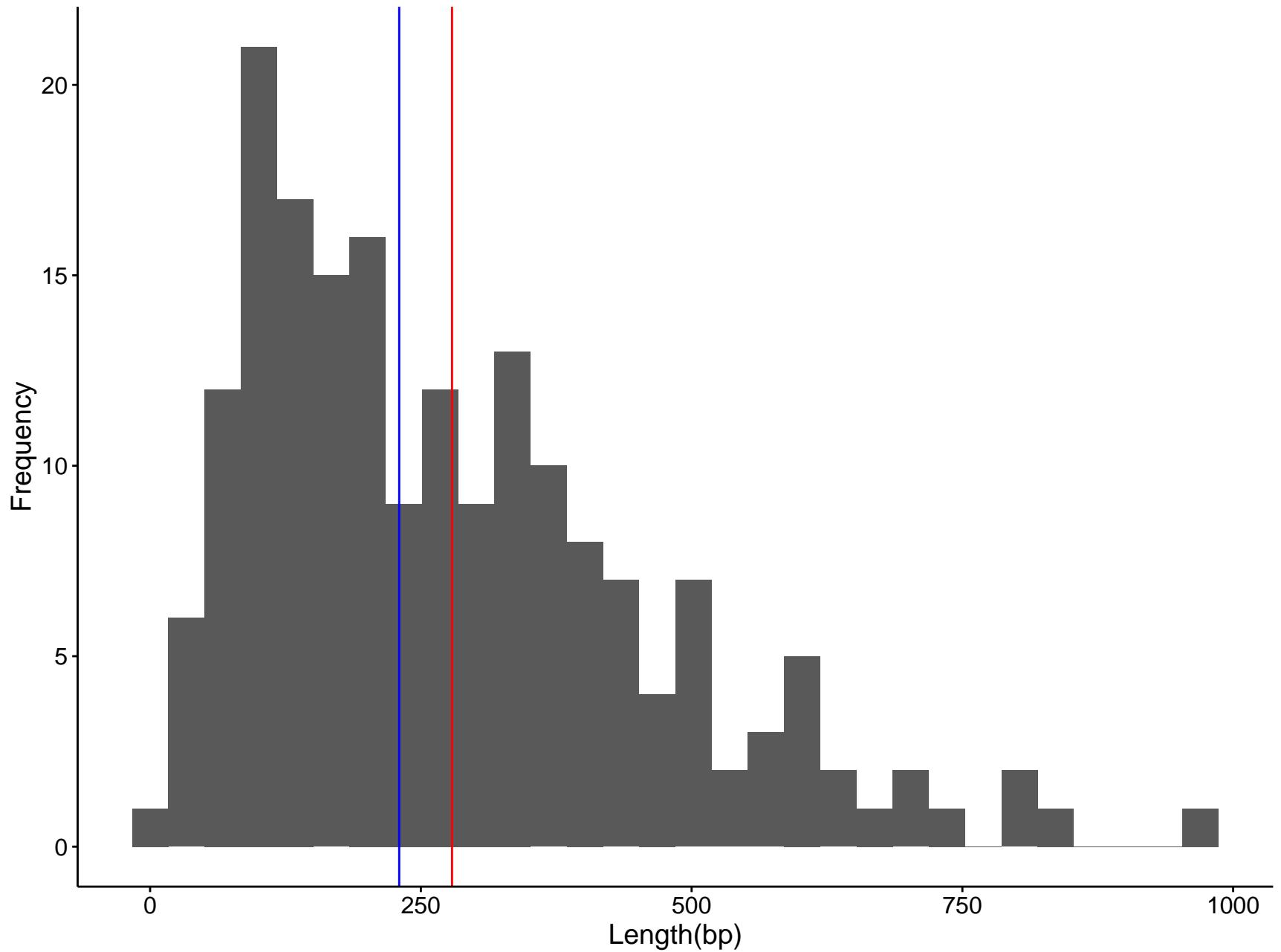
46.000

46.025

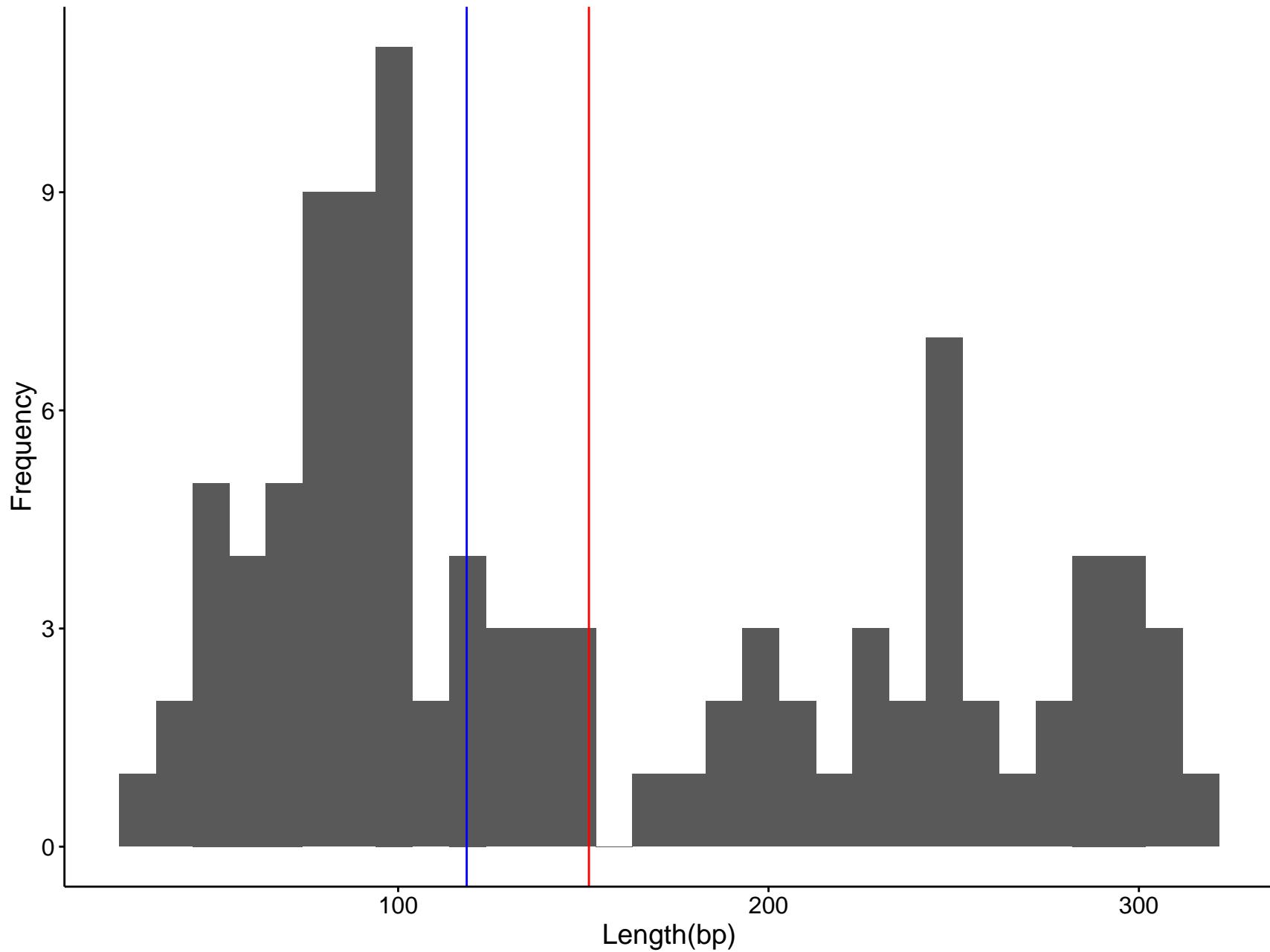
Length(bp)



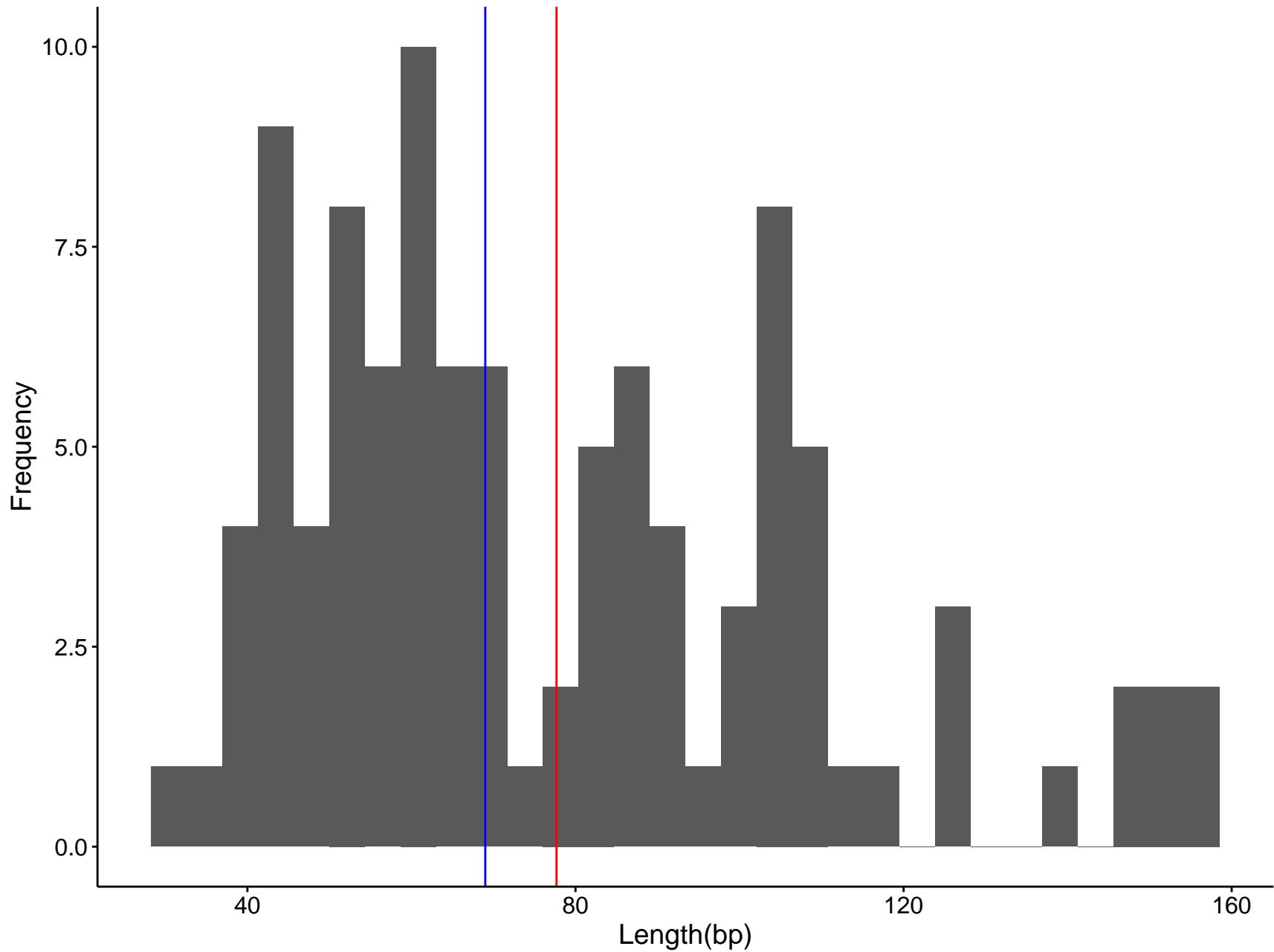
Cluster3132



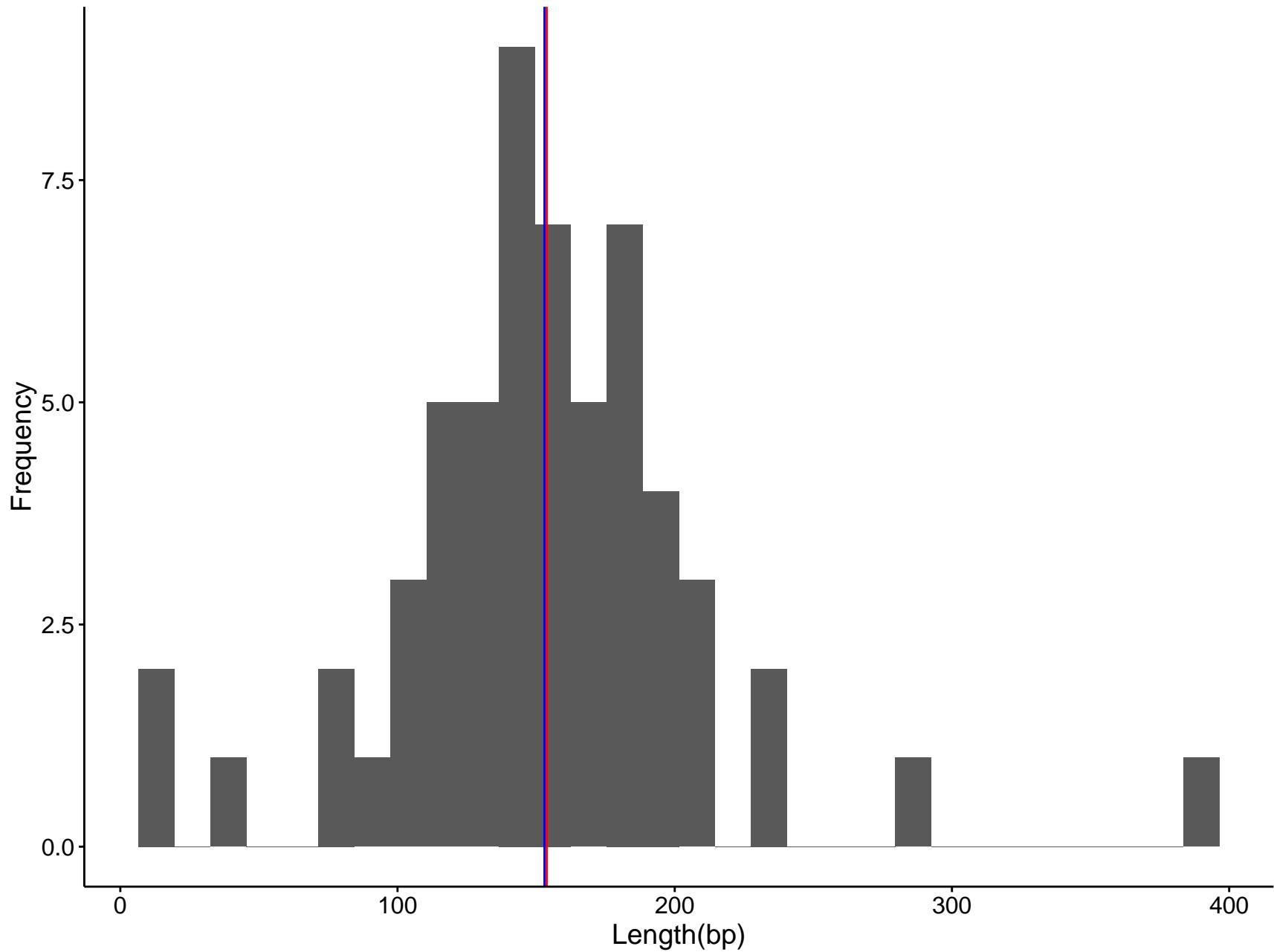
Cluster3133



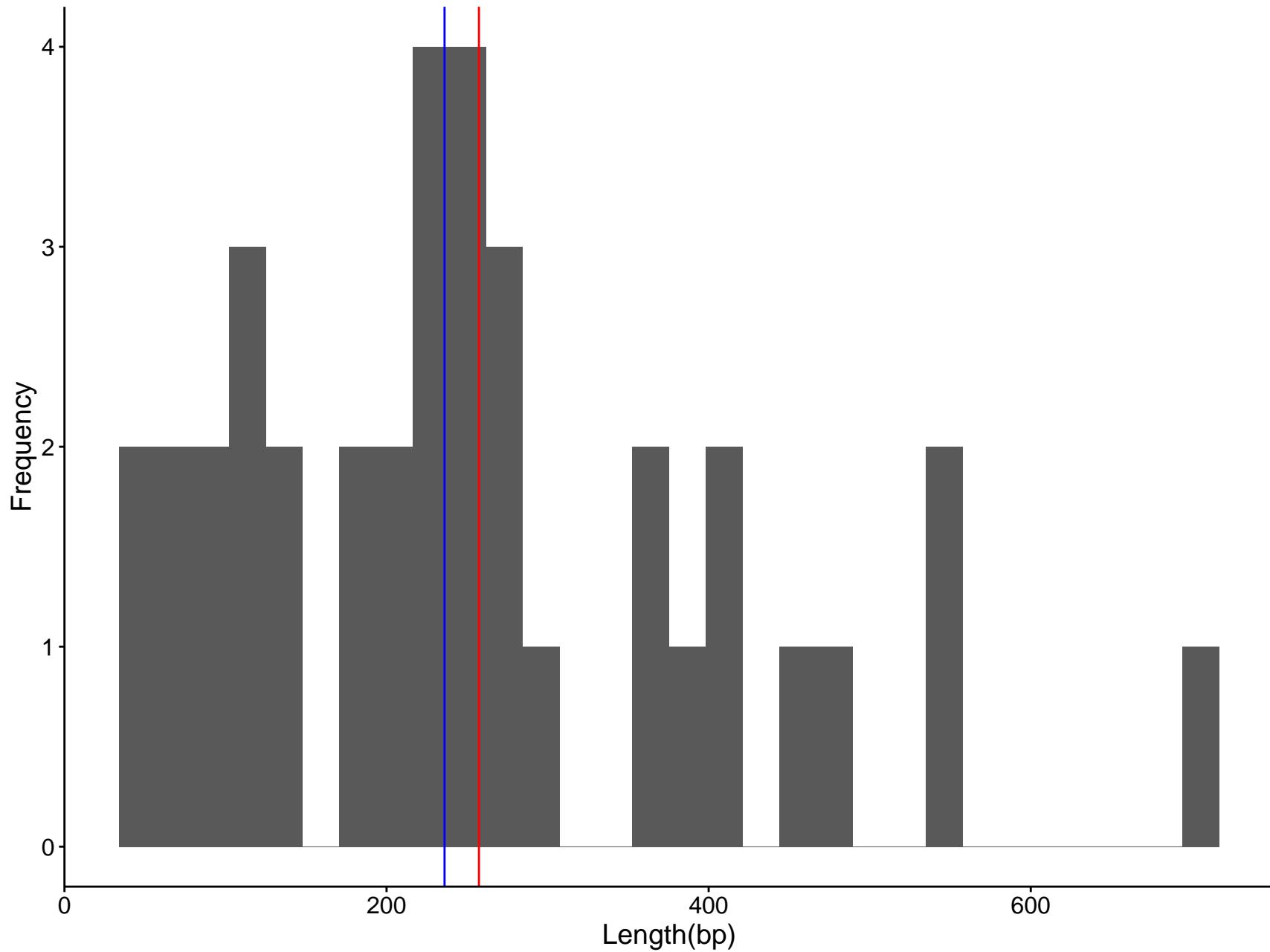
Cluster3134



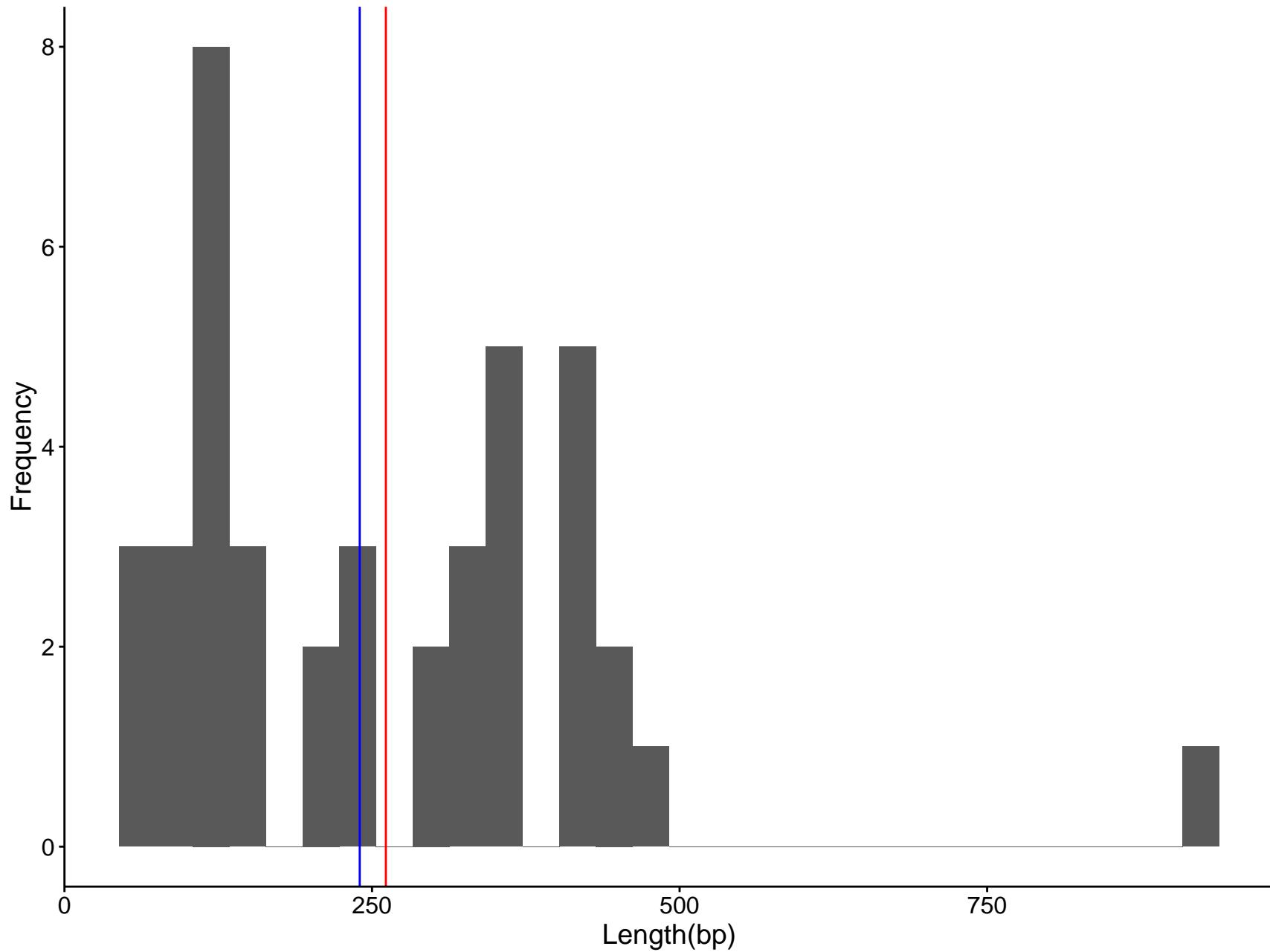
Cluster3135



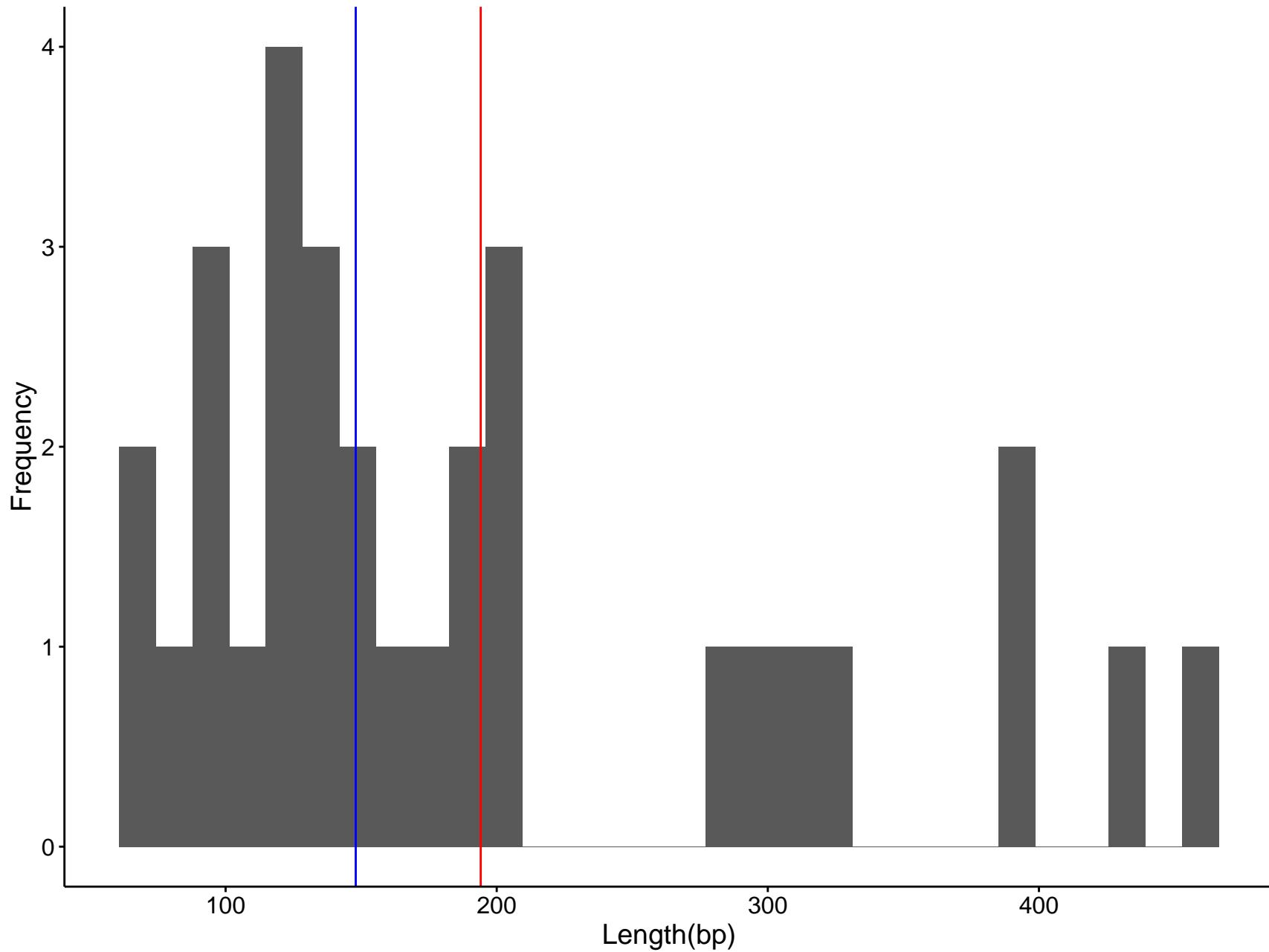
Cluster3136



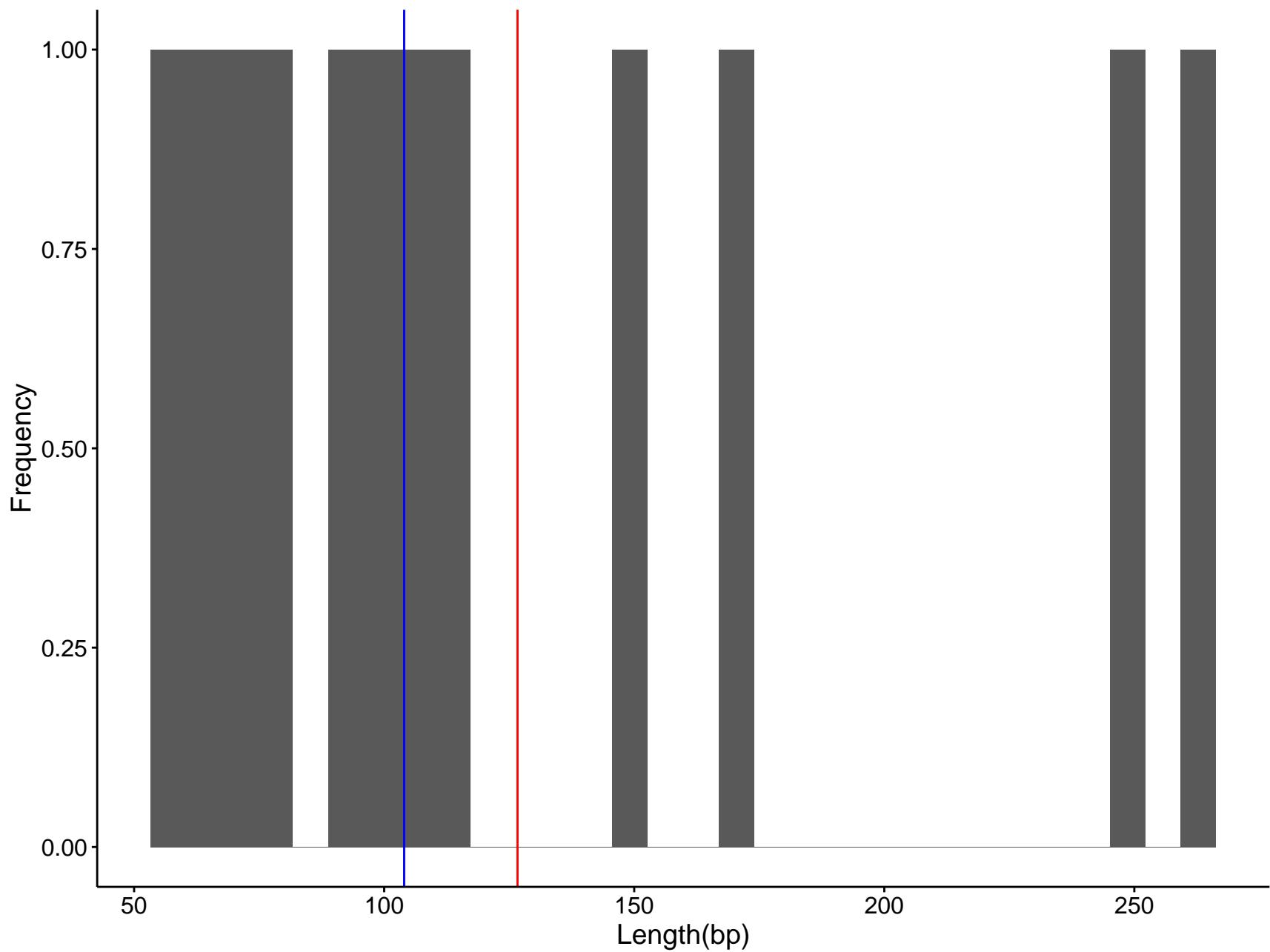
Cluster3137



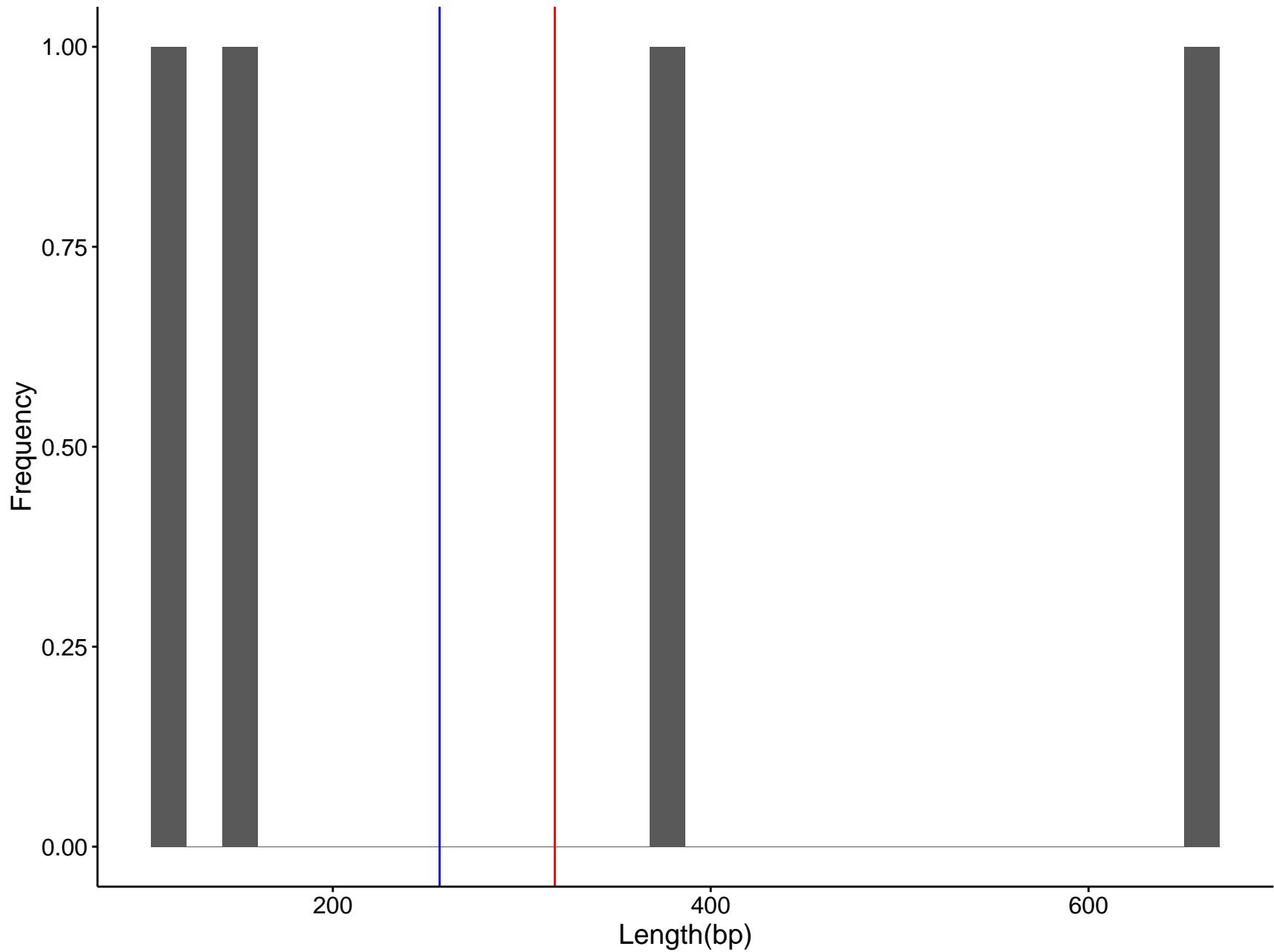
Cluster3138



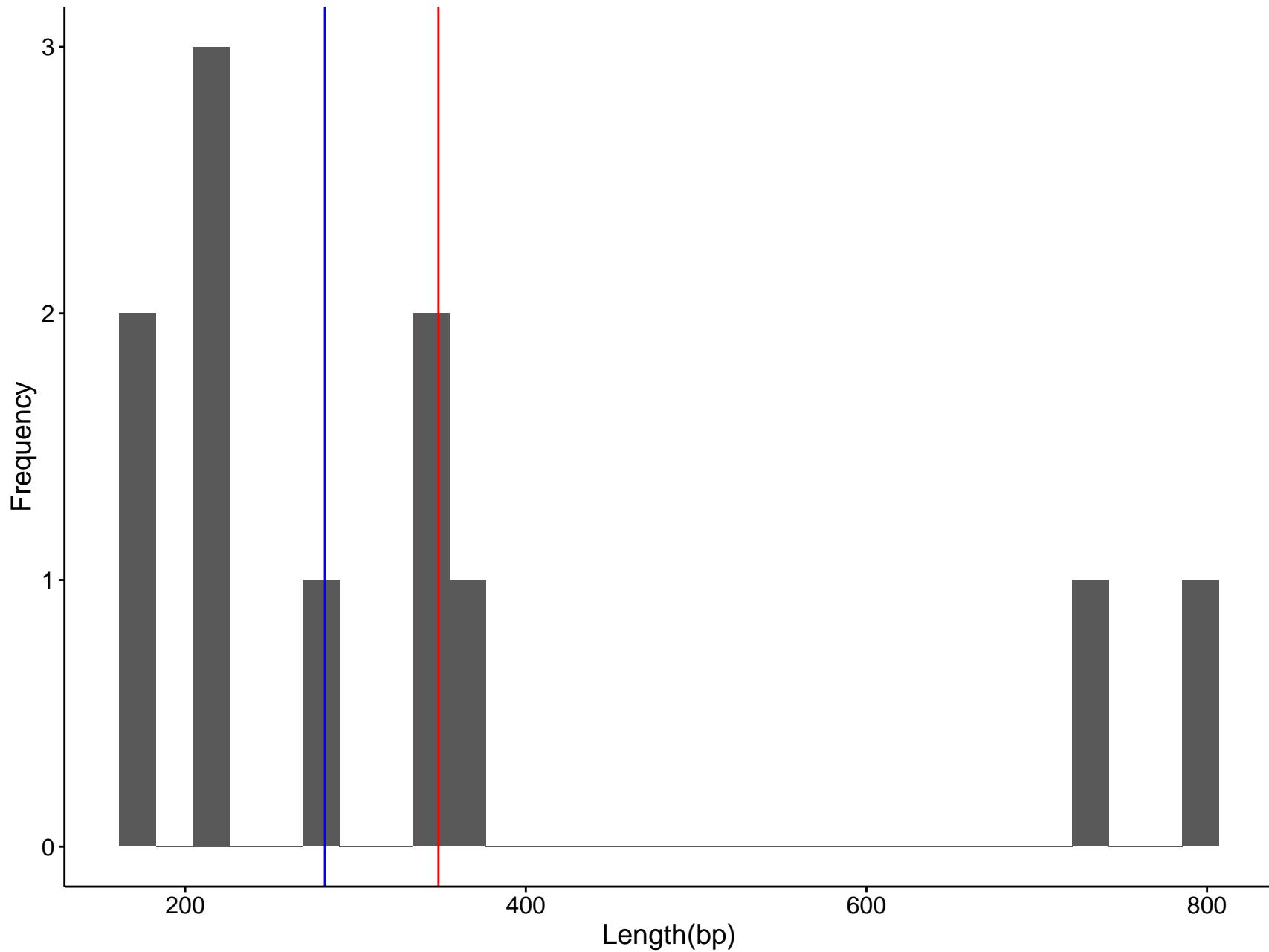
Cluster3139



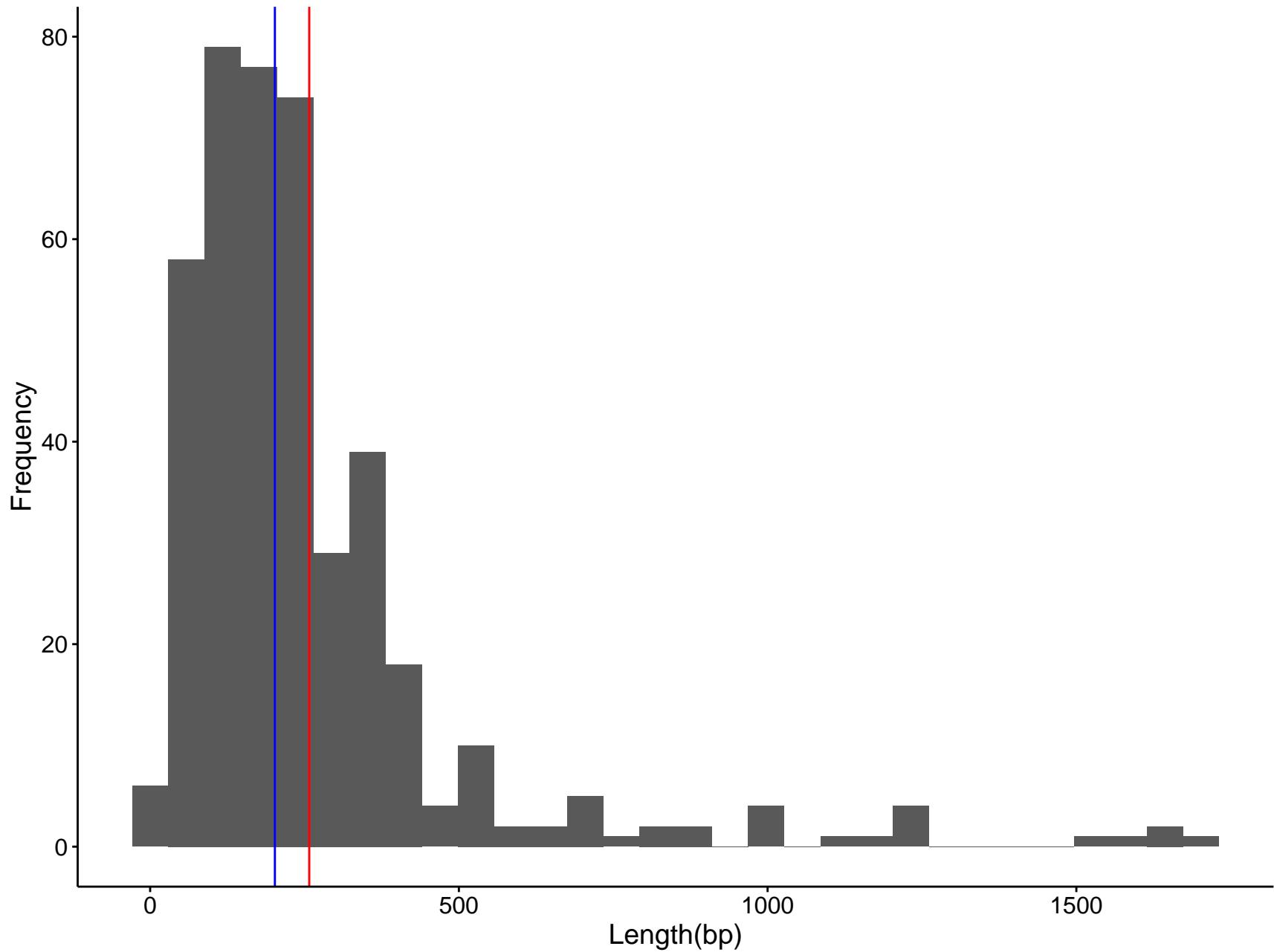
Cluster313



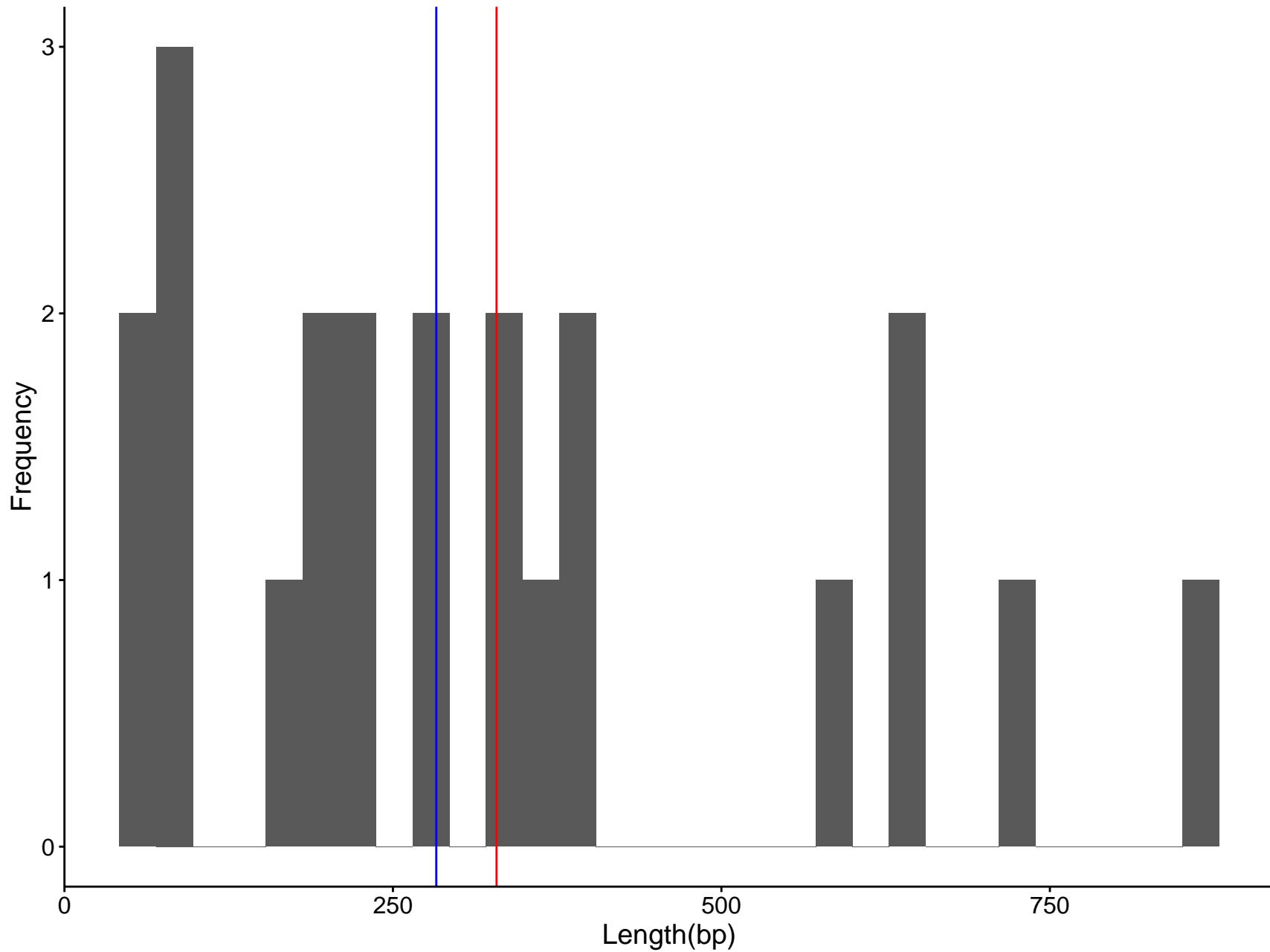
Cluster3140



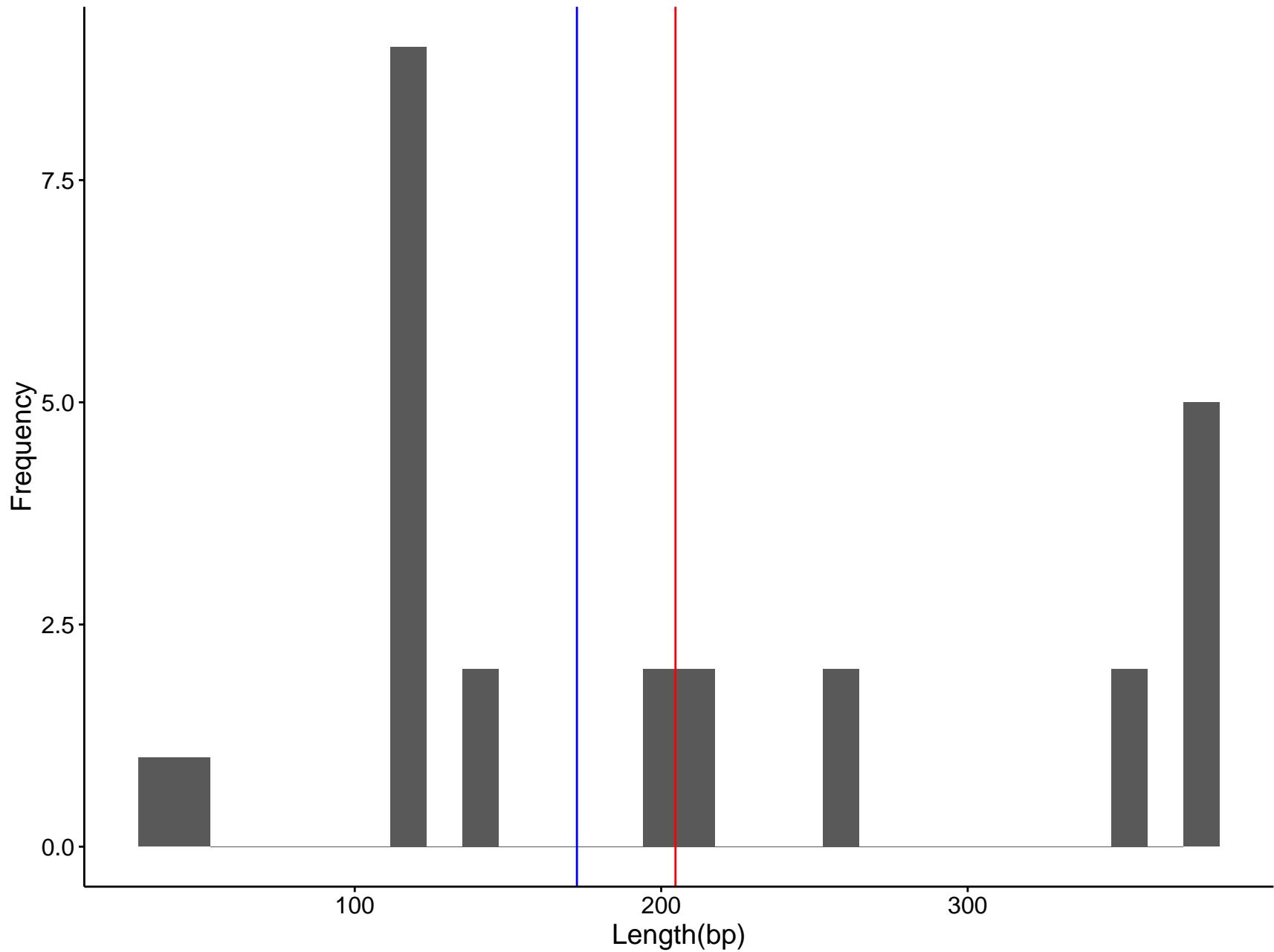
Cluster3141



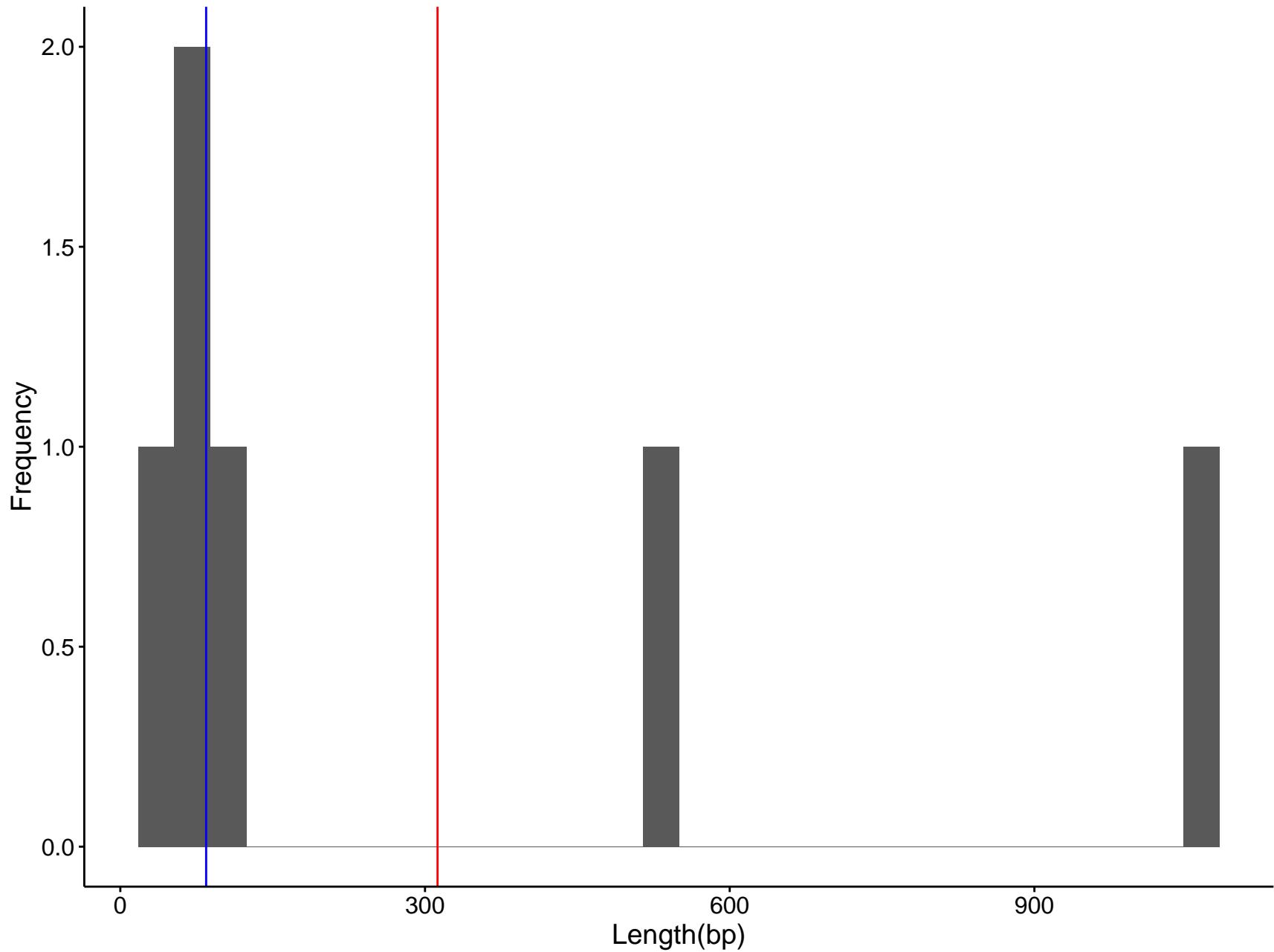
Cluster3143



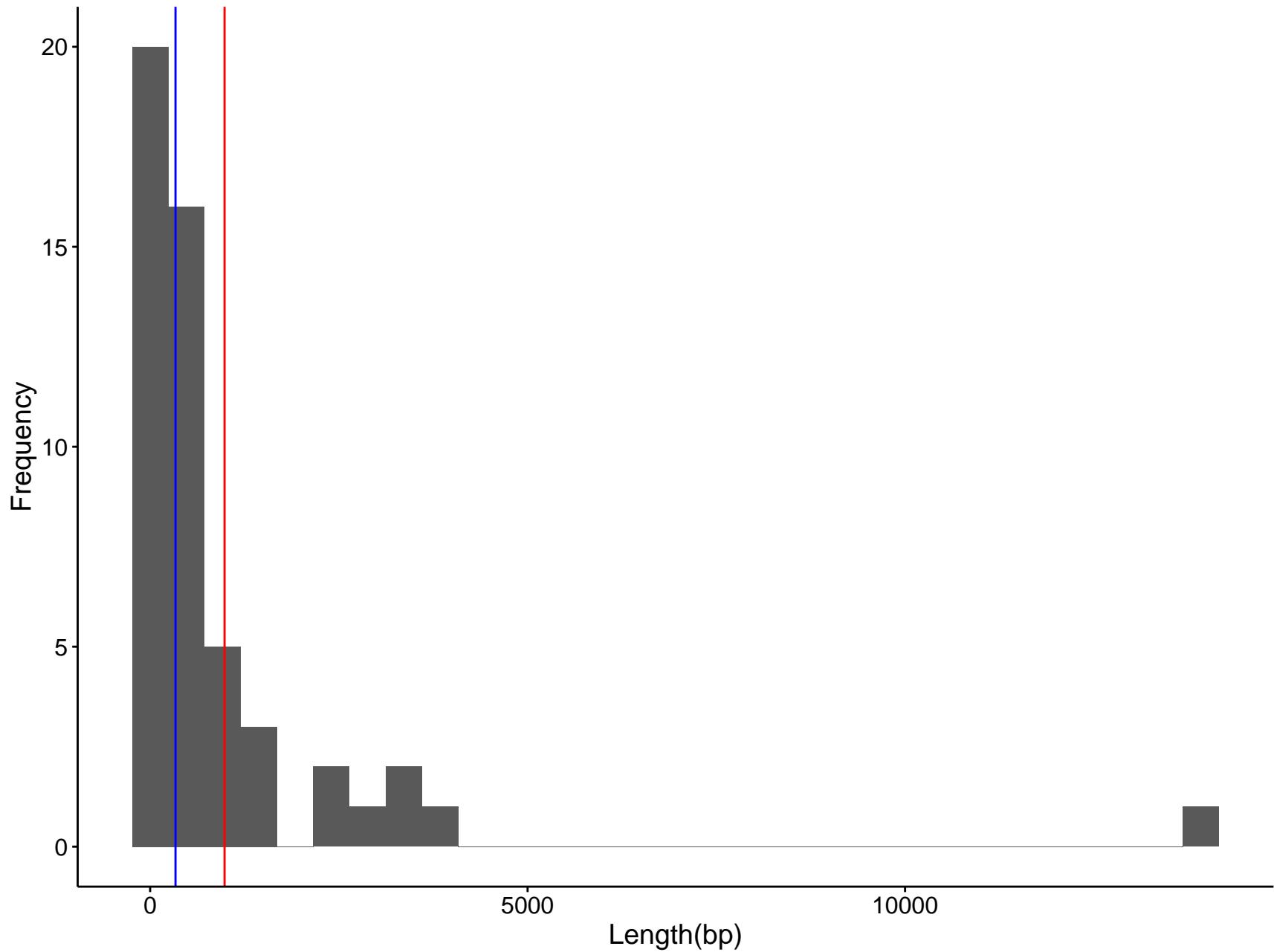
Cluster3144



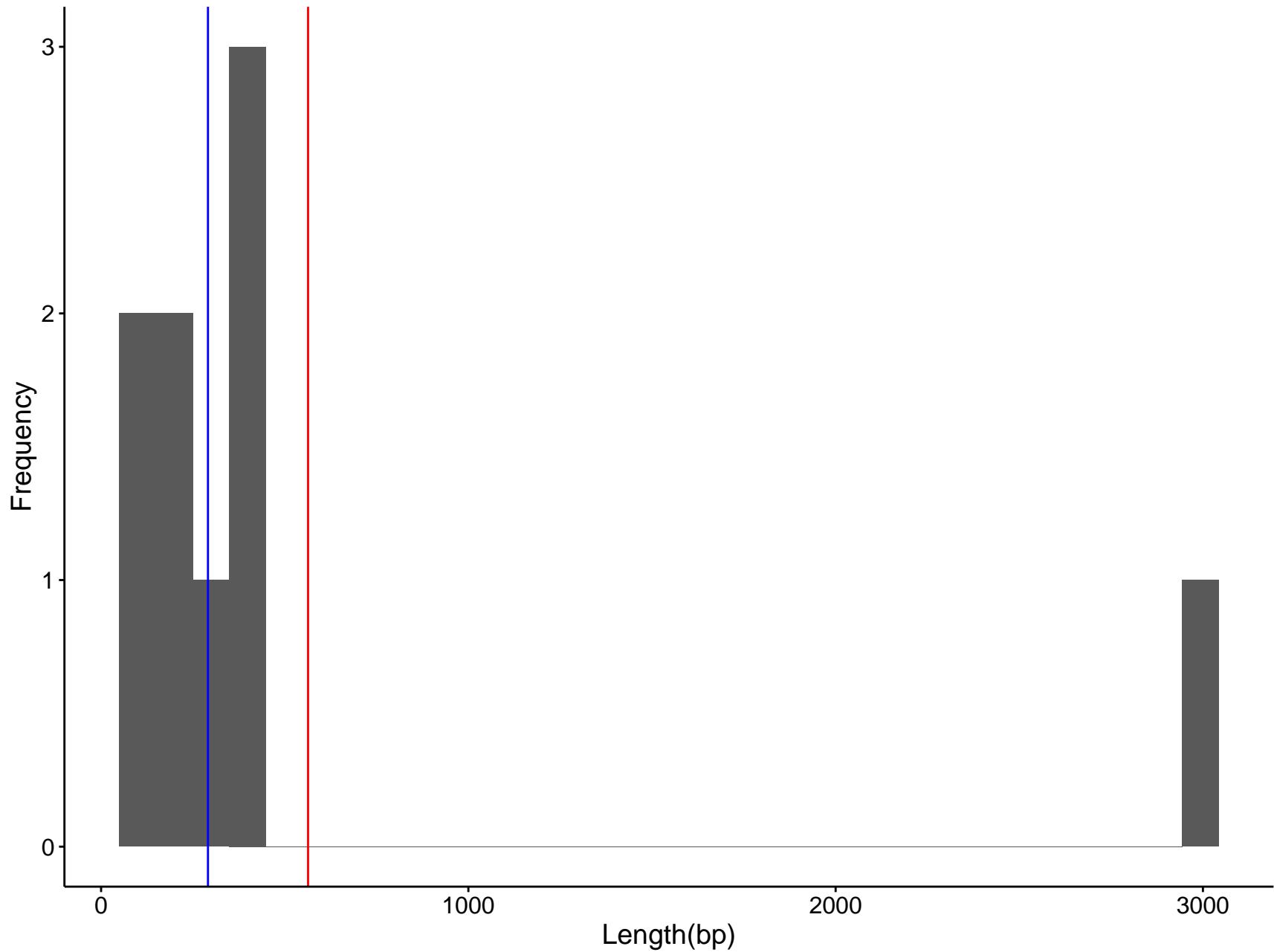
Cluster3146



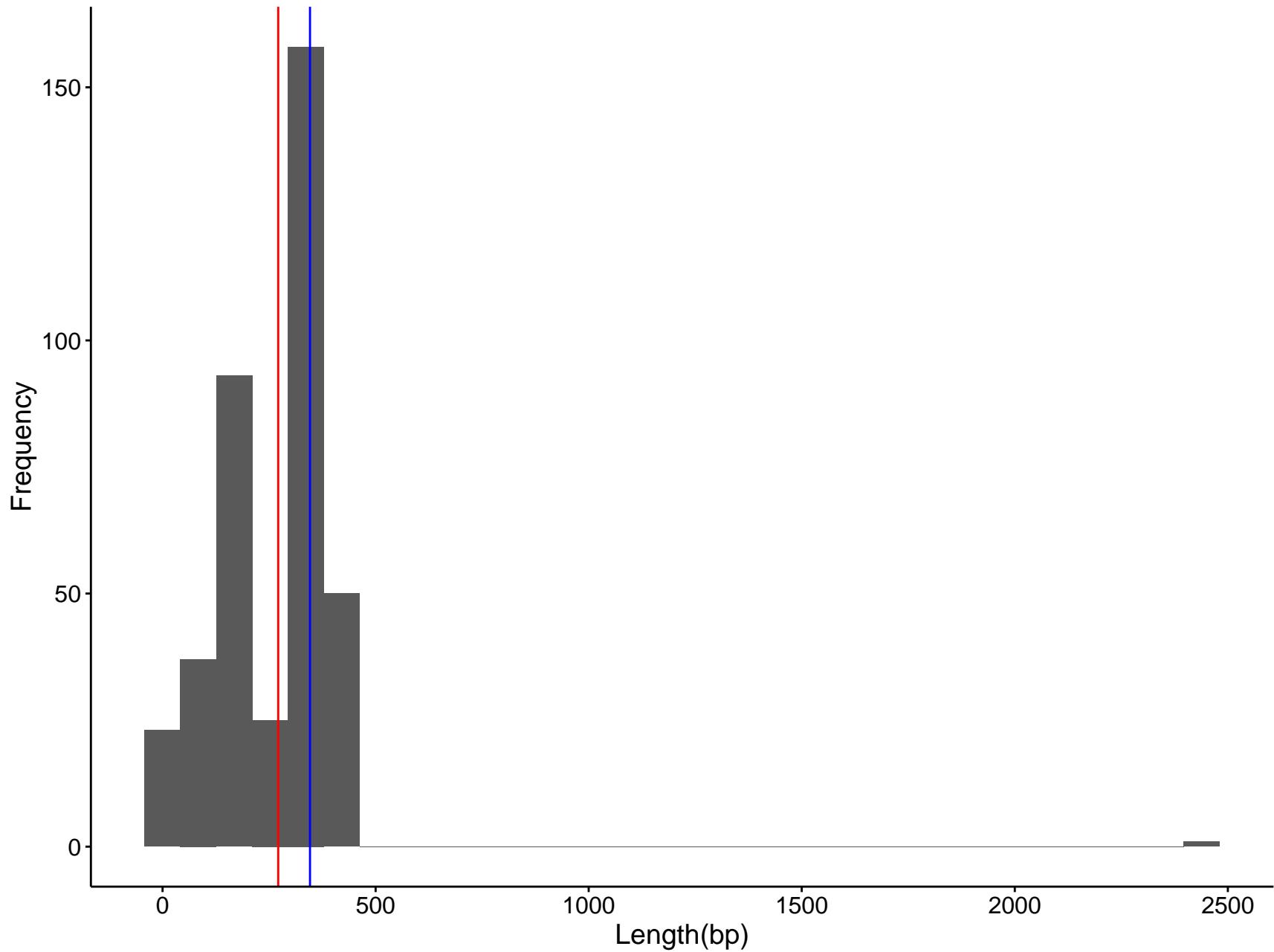
Cluster3147



Cluster3148



Cluster3149



# Cluster314

Frequency

113.950

113.975

114.000

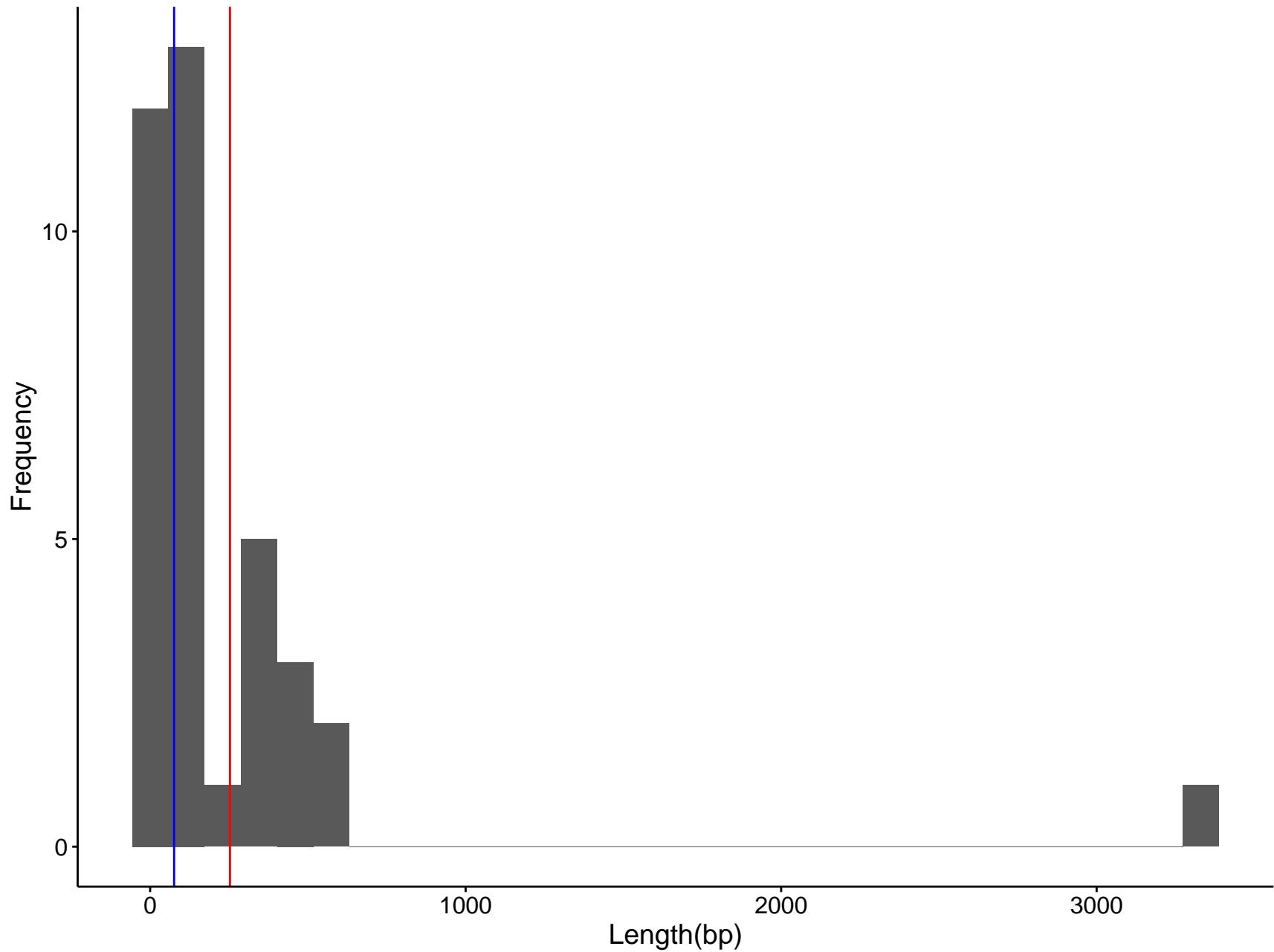
114.025

114.050

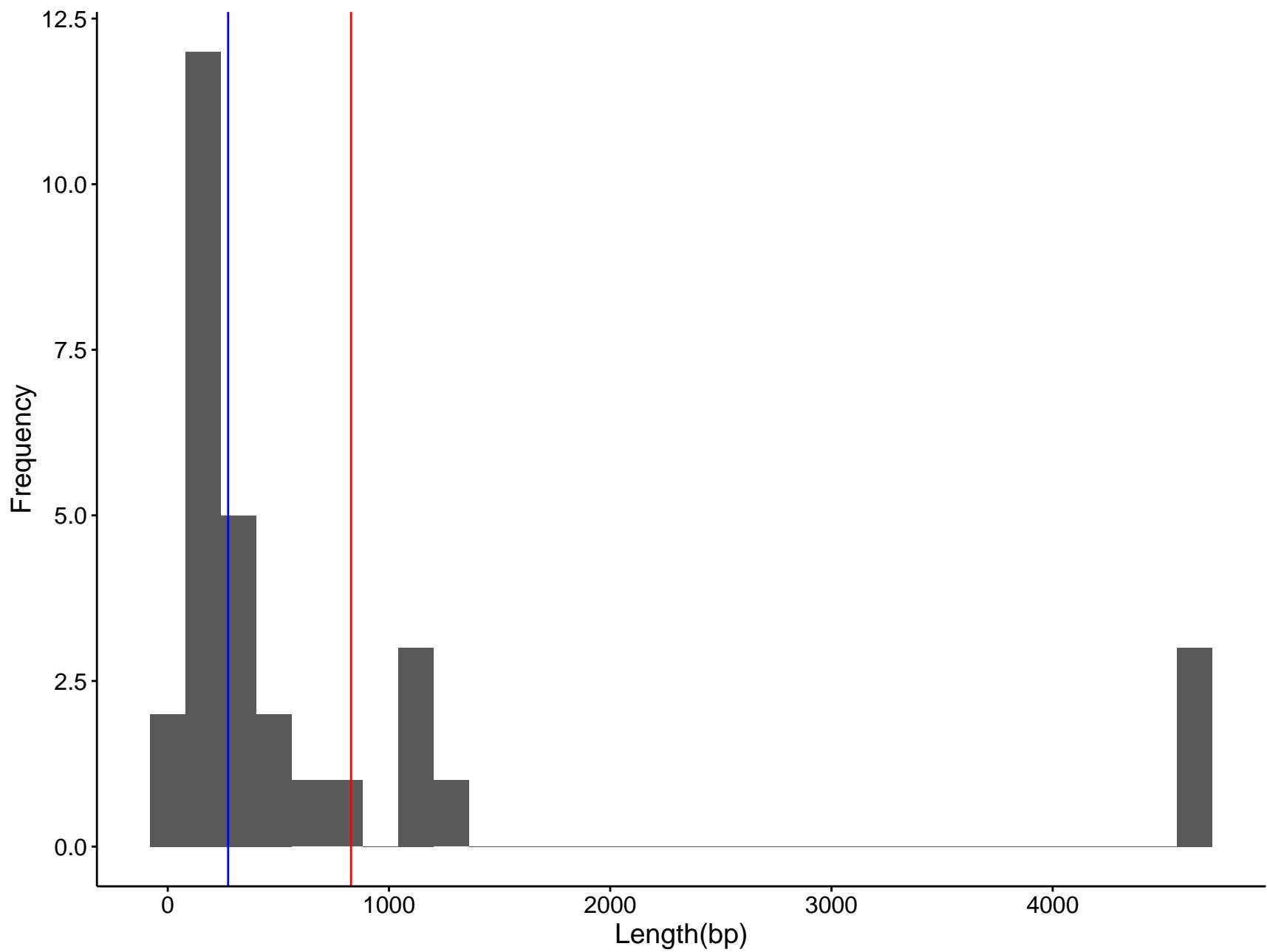
Length(bp)



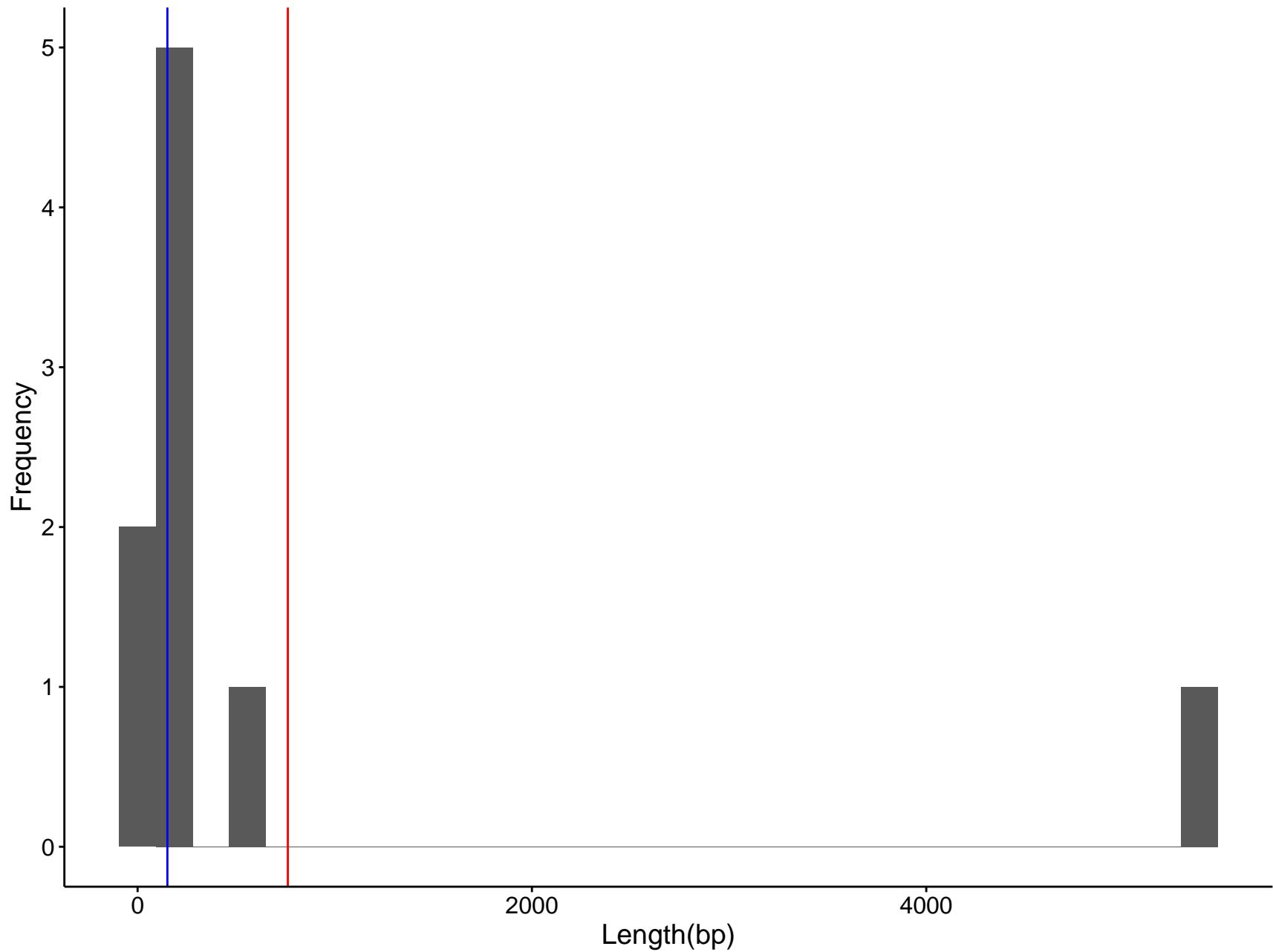
Cluster3150



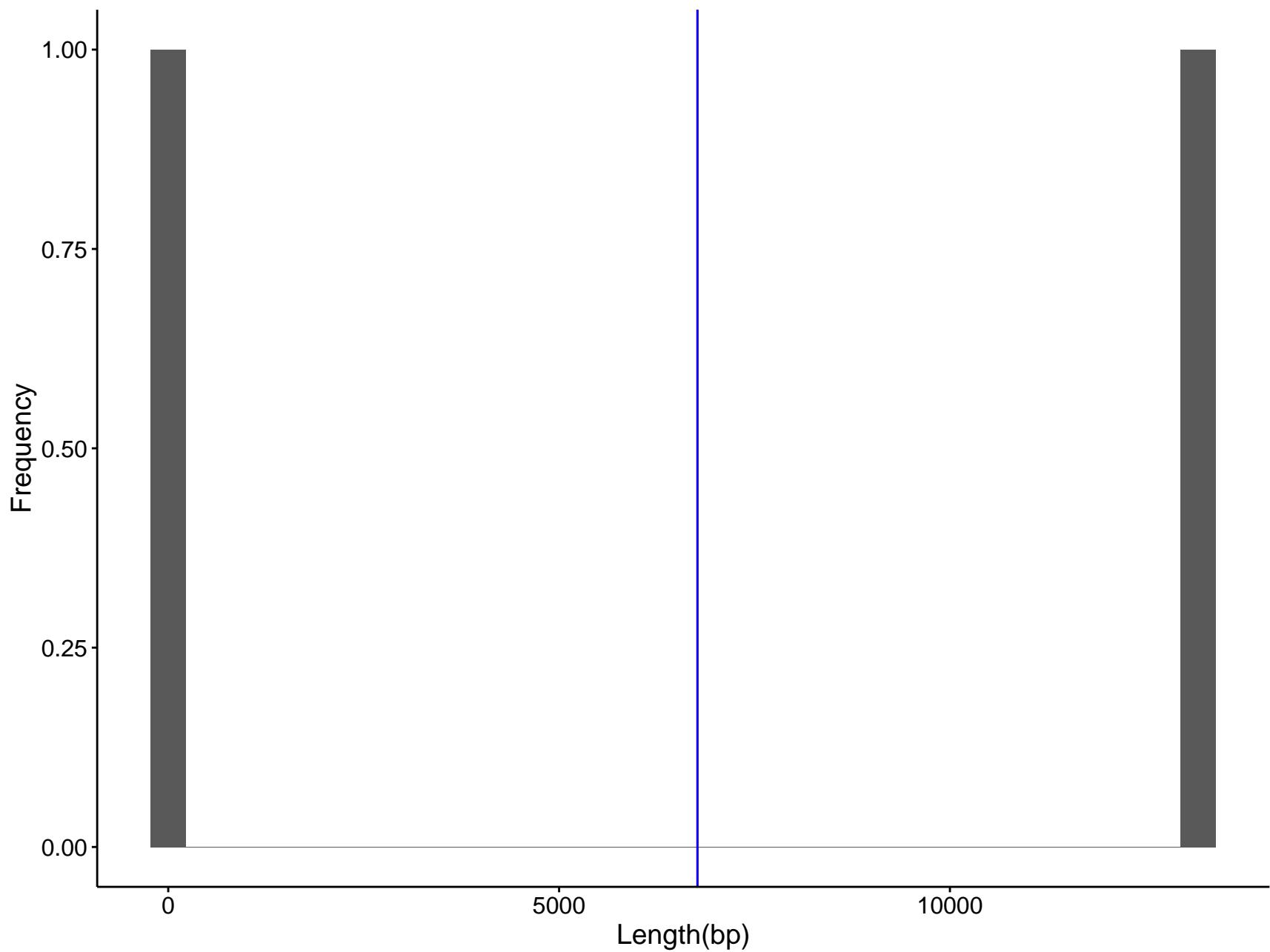
Cluster3151



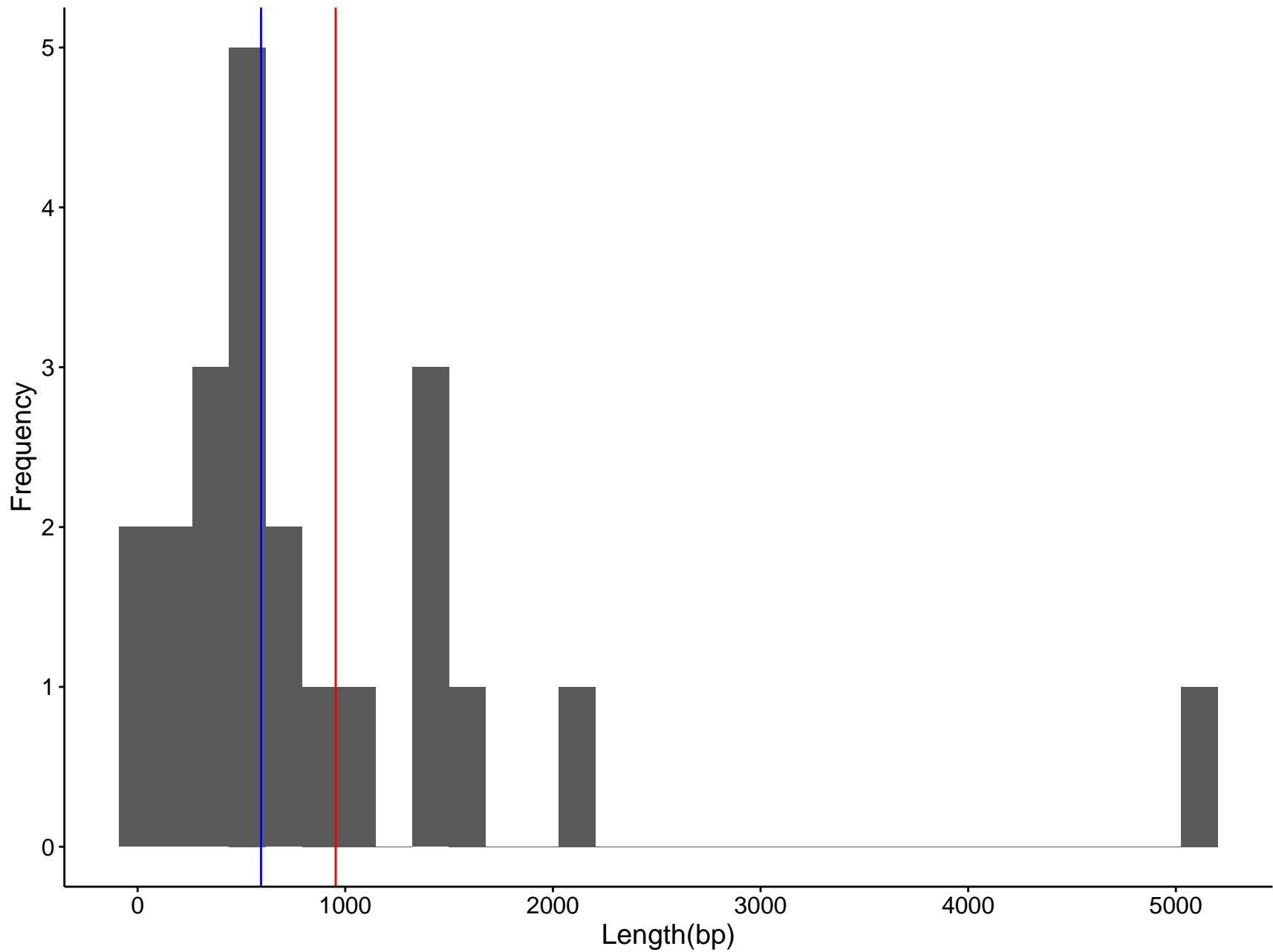
Cluster3152



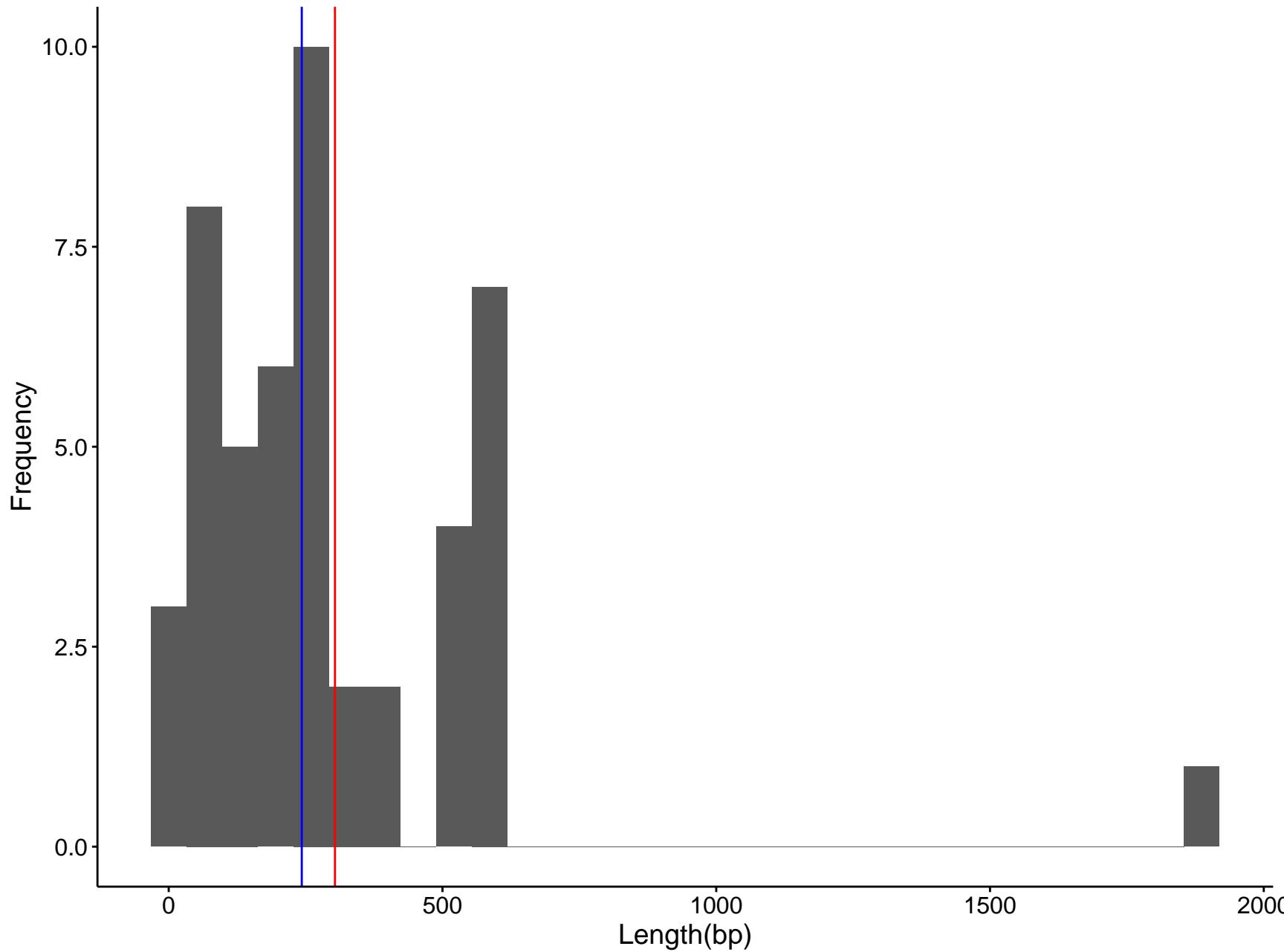
Cluster3153



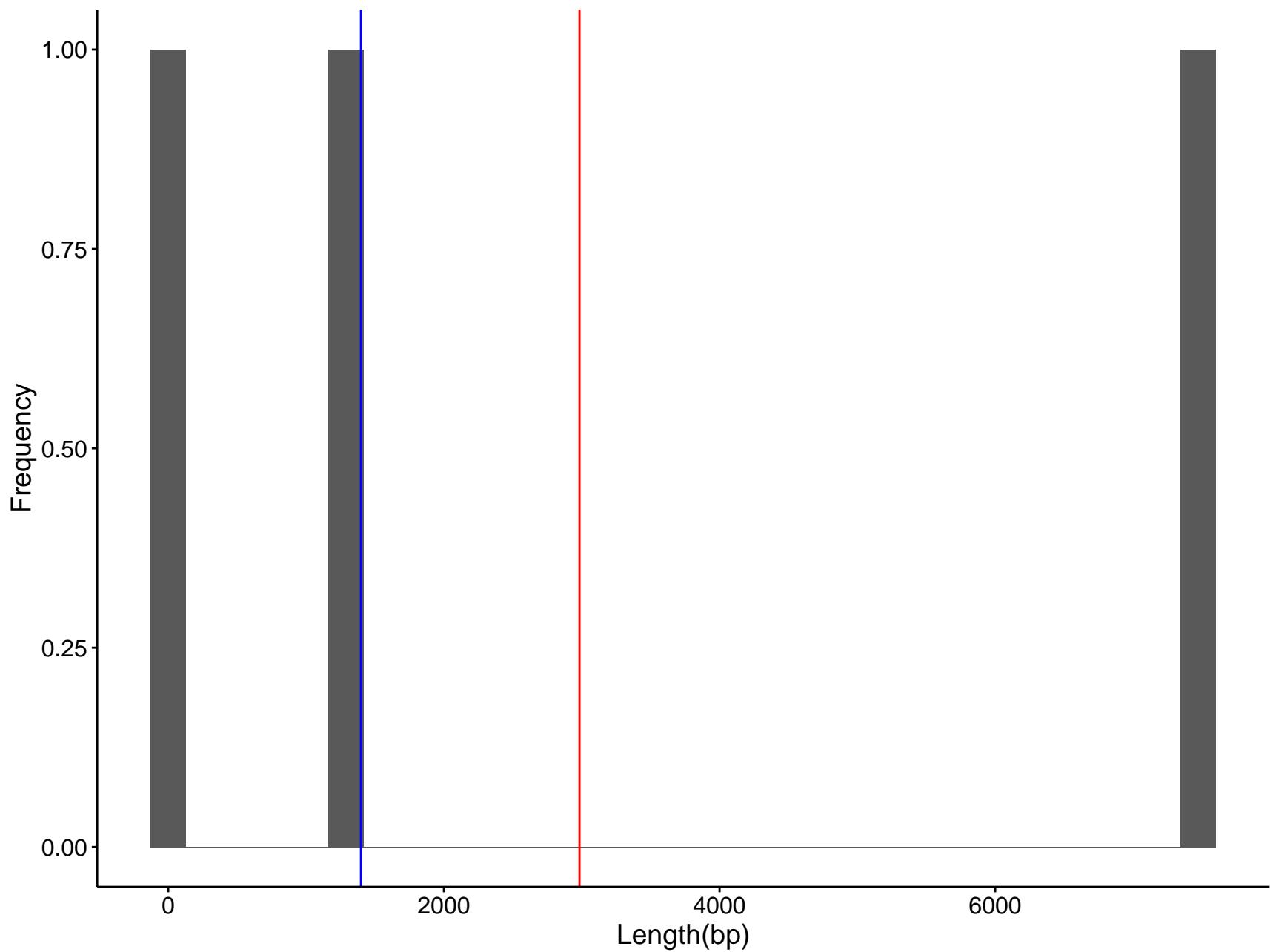
Cluster3154



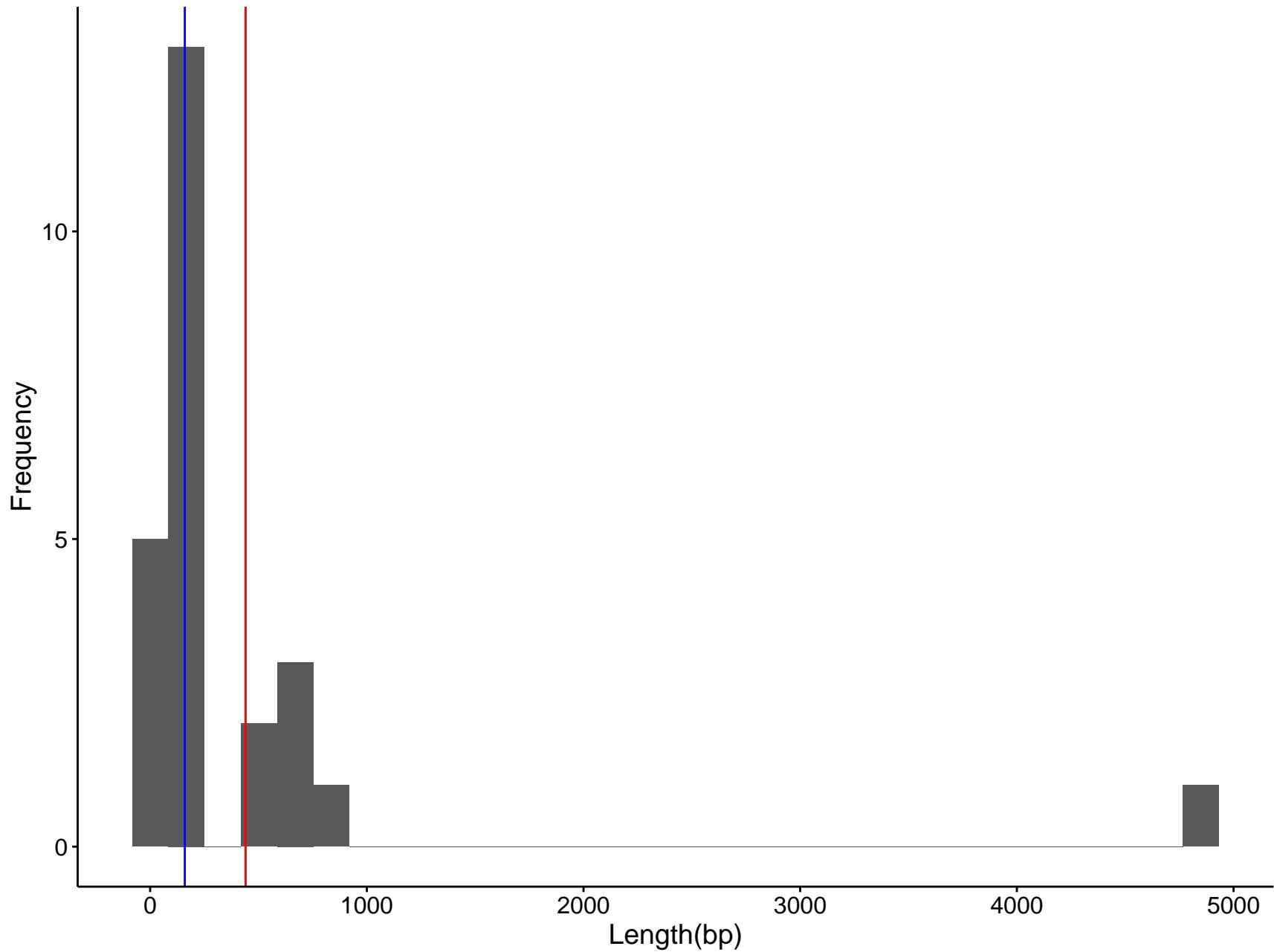
Cluster3155

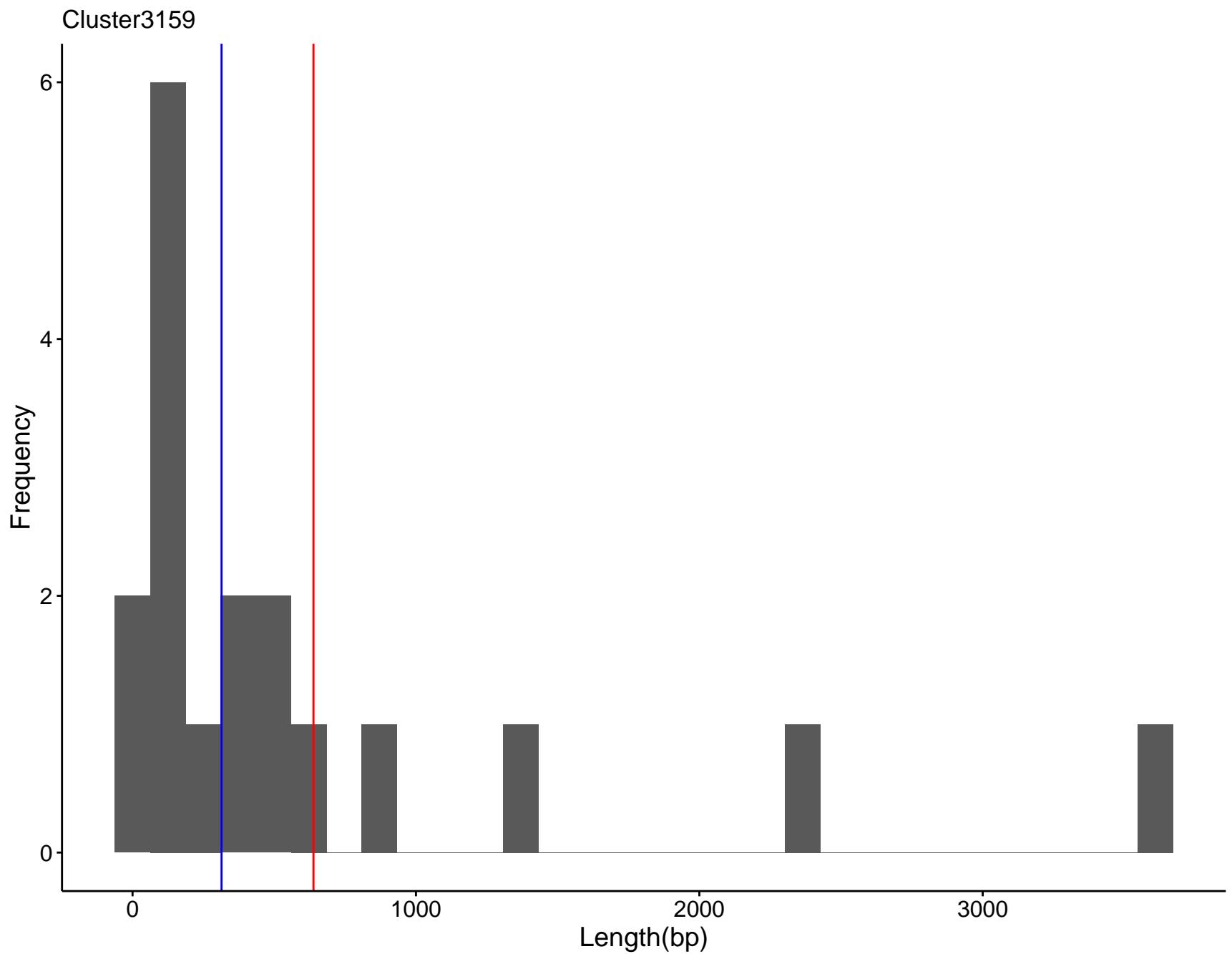


Cluster3156

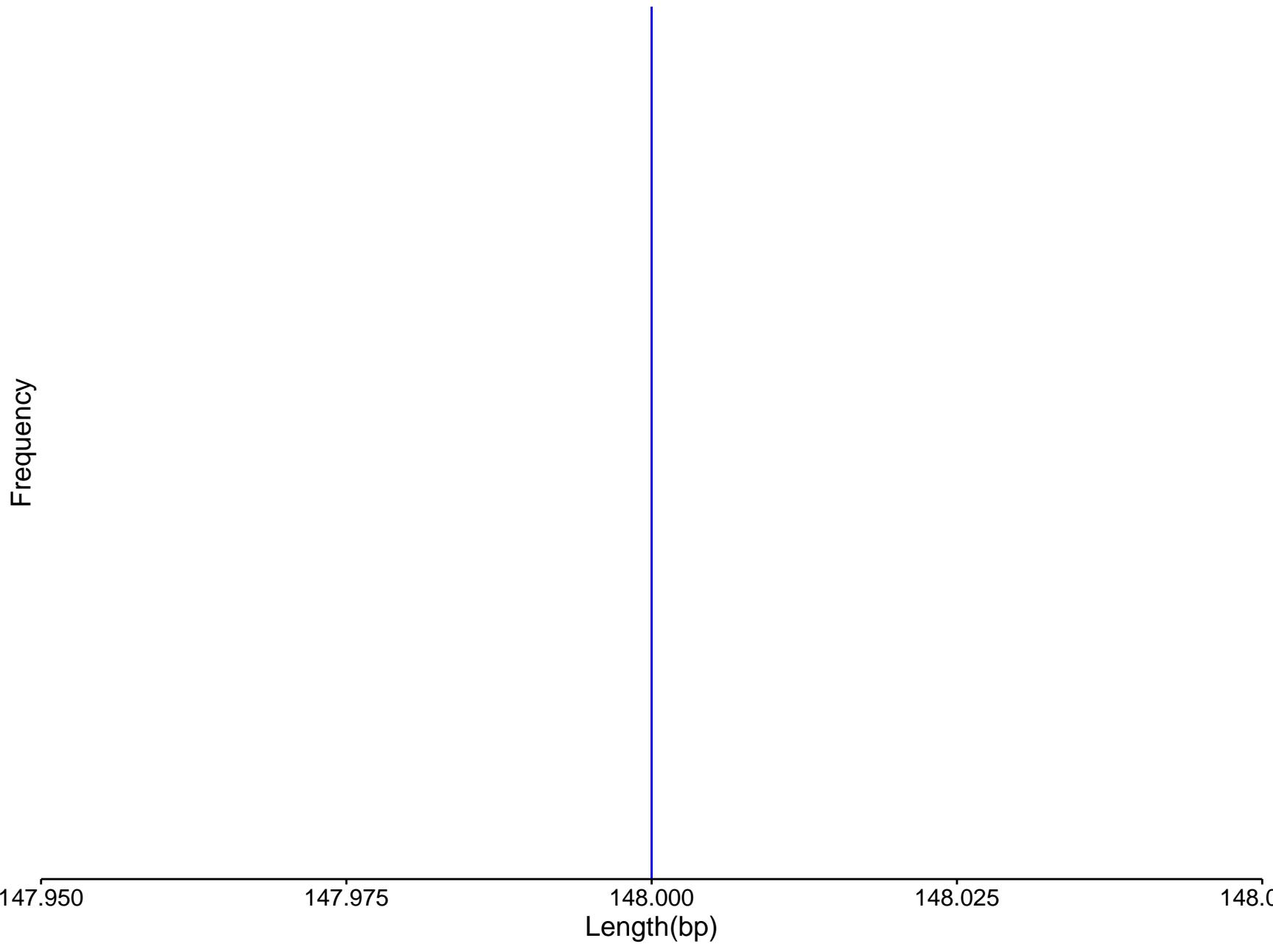


Cluster3158

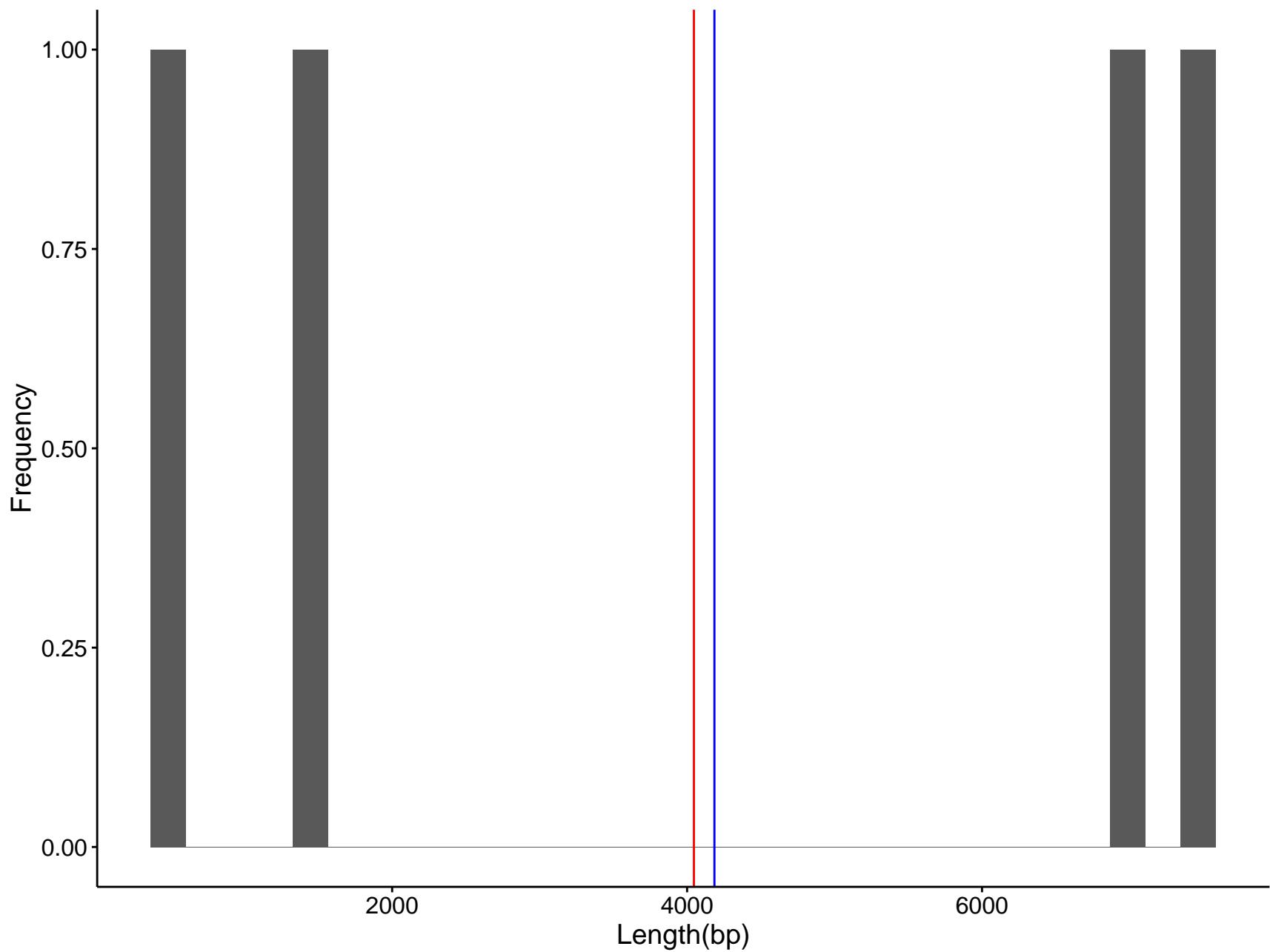




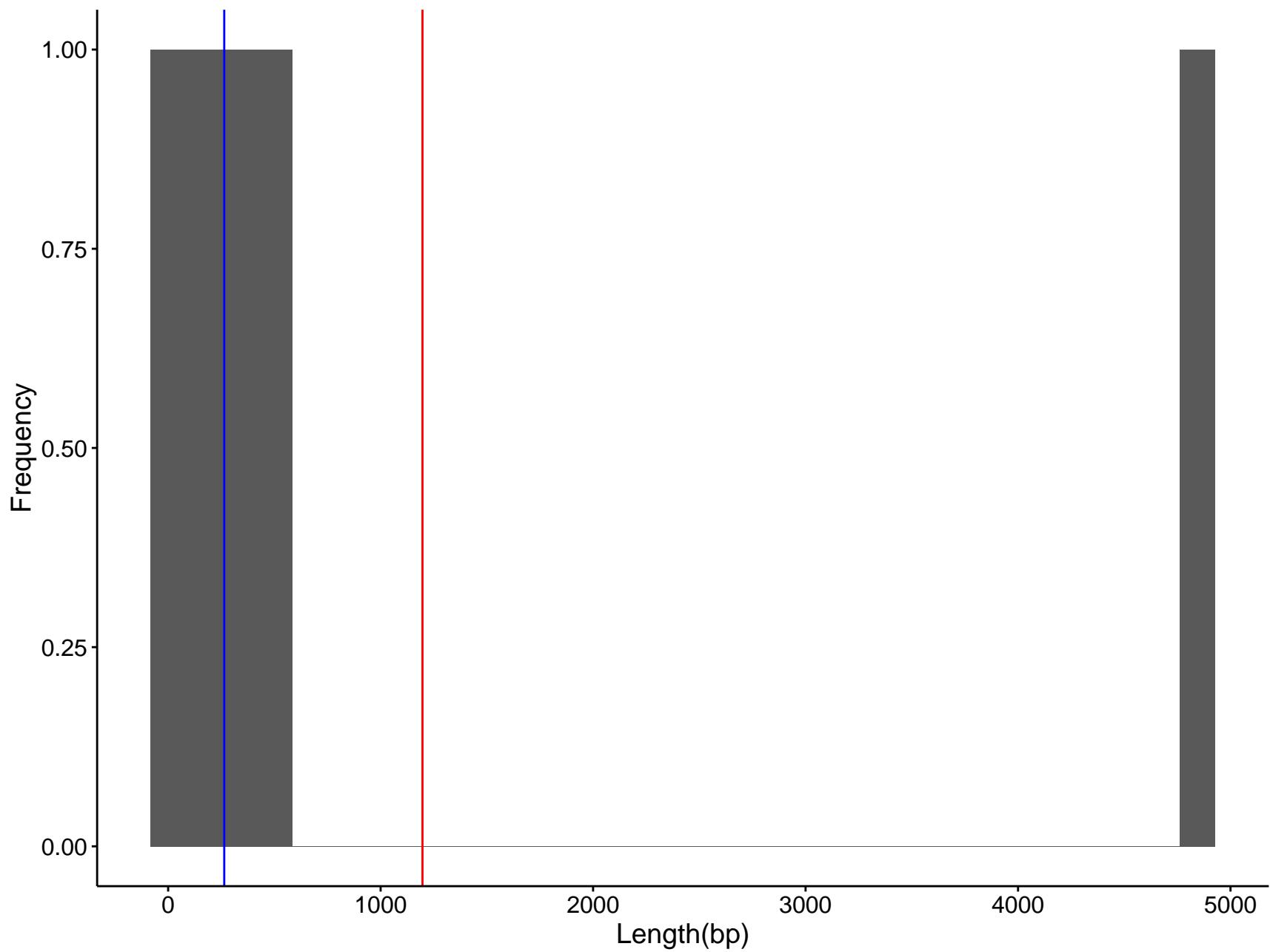
# Cluster315



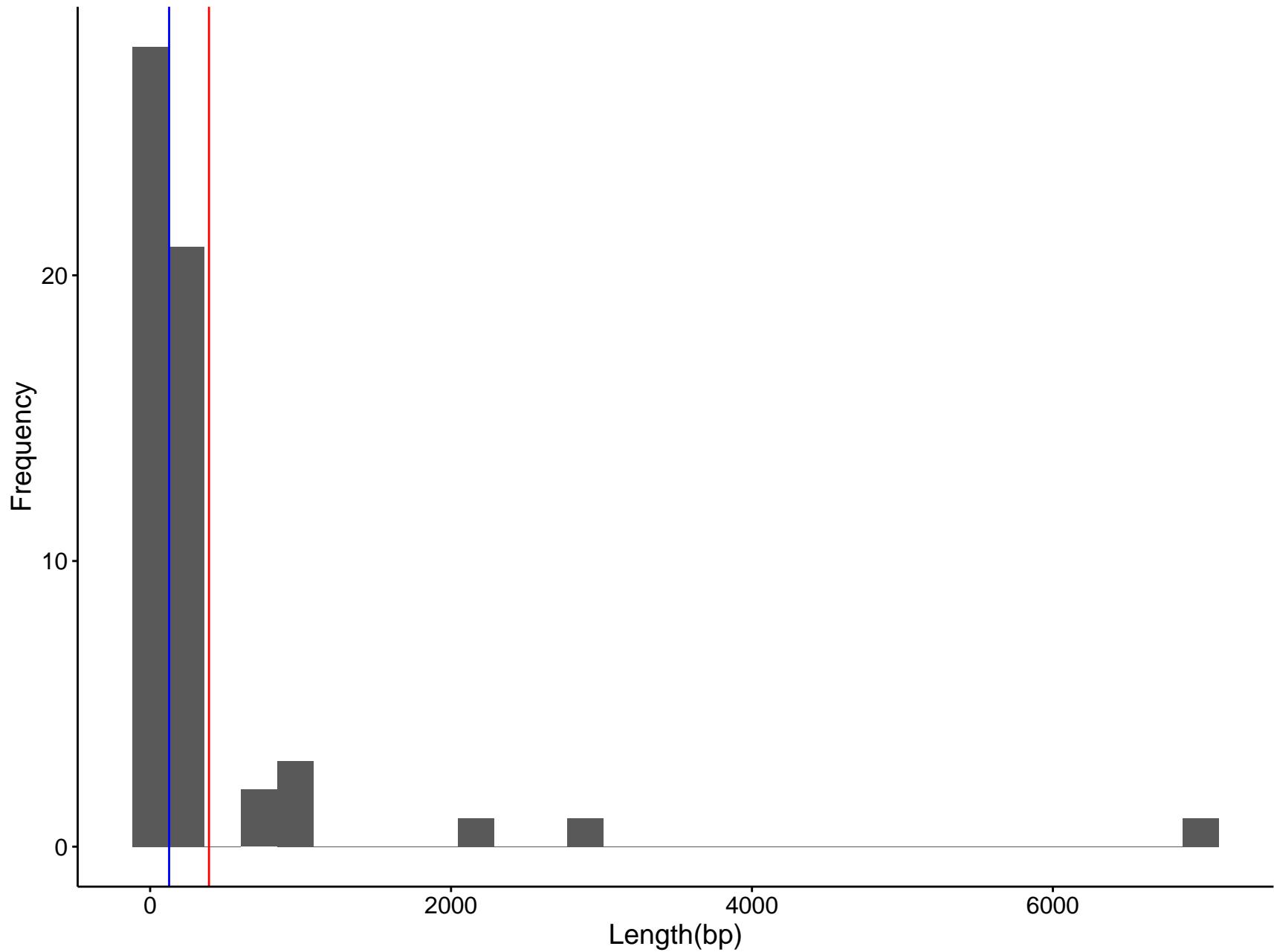
Cluster3160



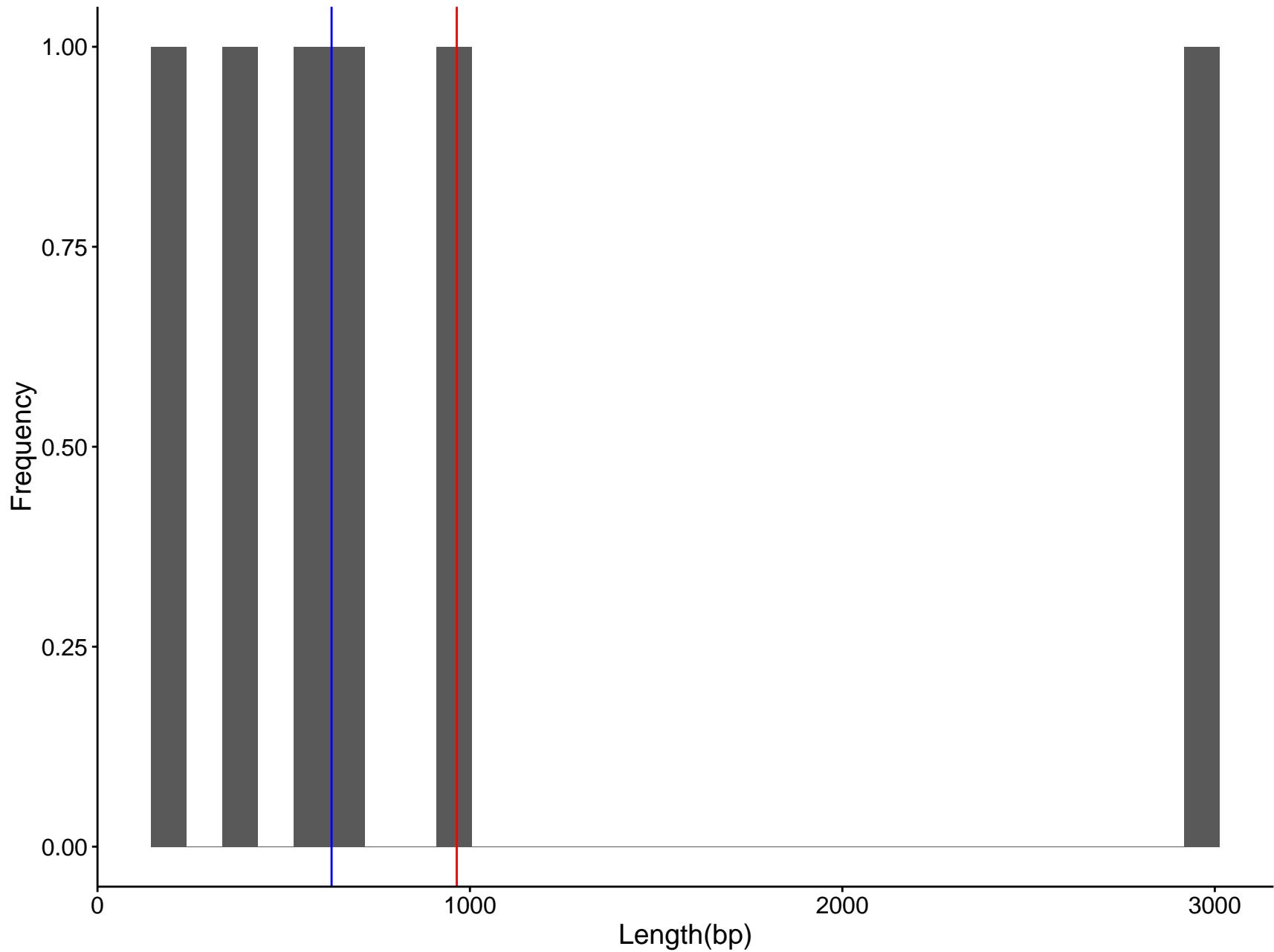
Cluster3161



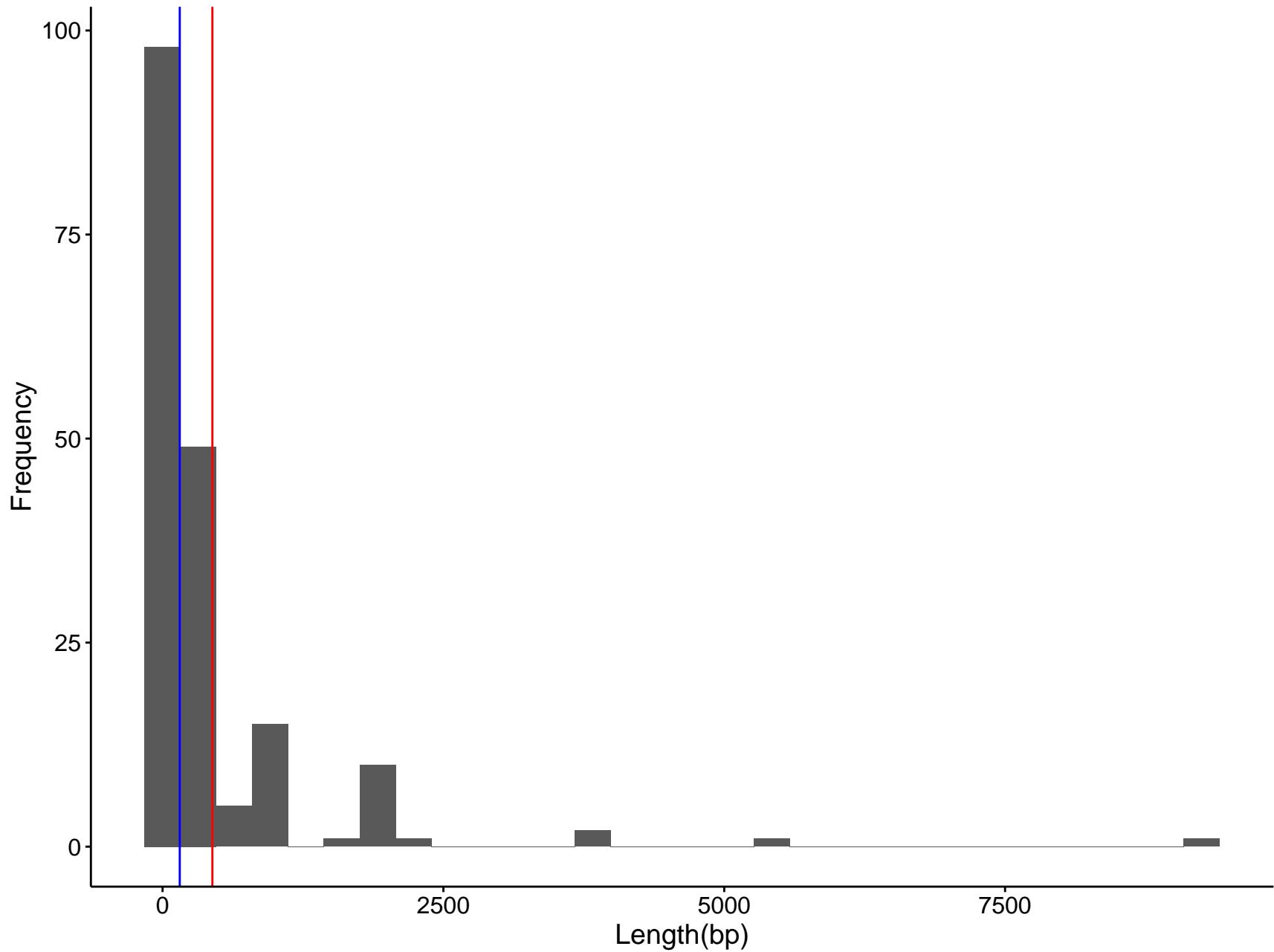
Cluster3162



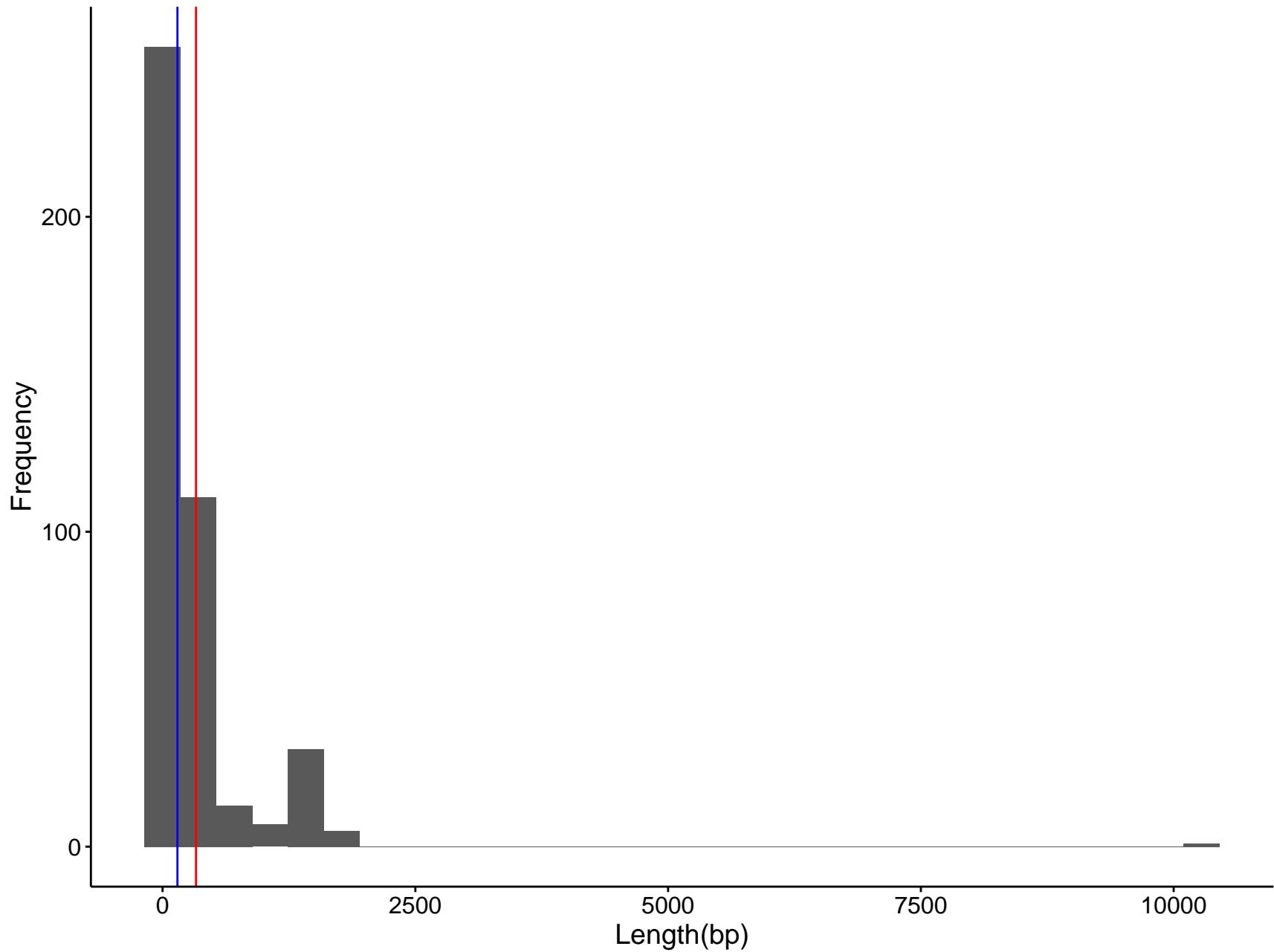
Cluster3163



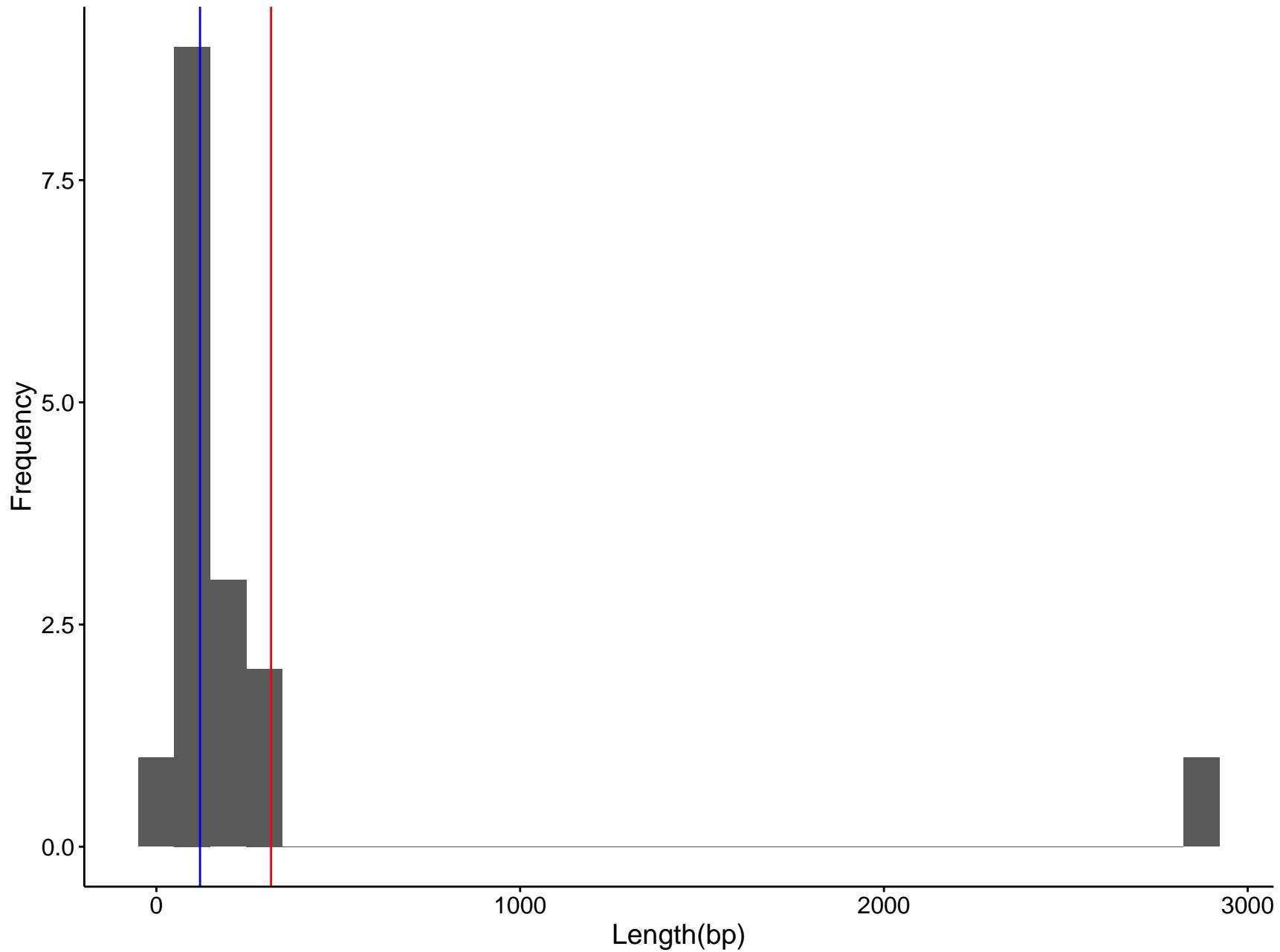
Cluster3164



Cluster3165



Cluster3166



Cluster3167

Frequency

123.950

123.975

124.000

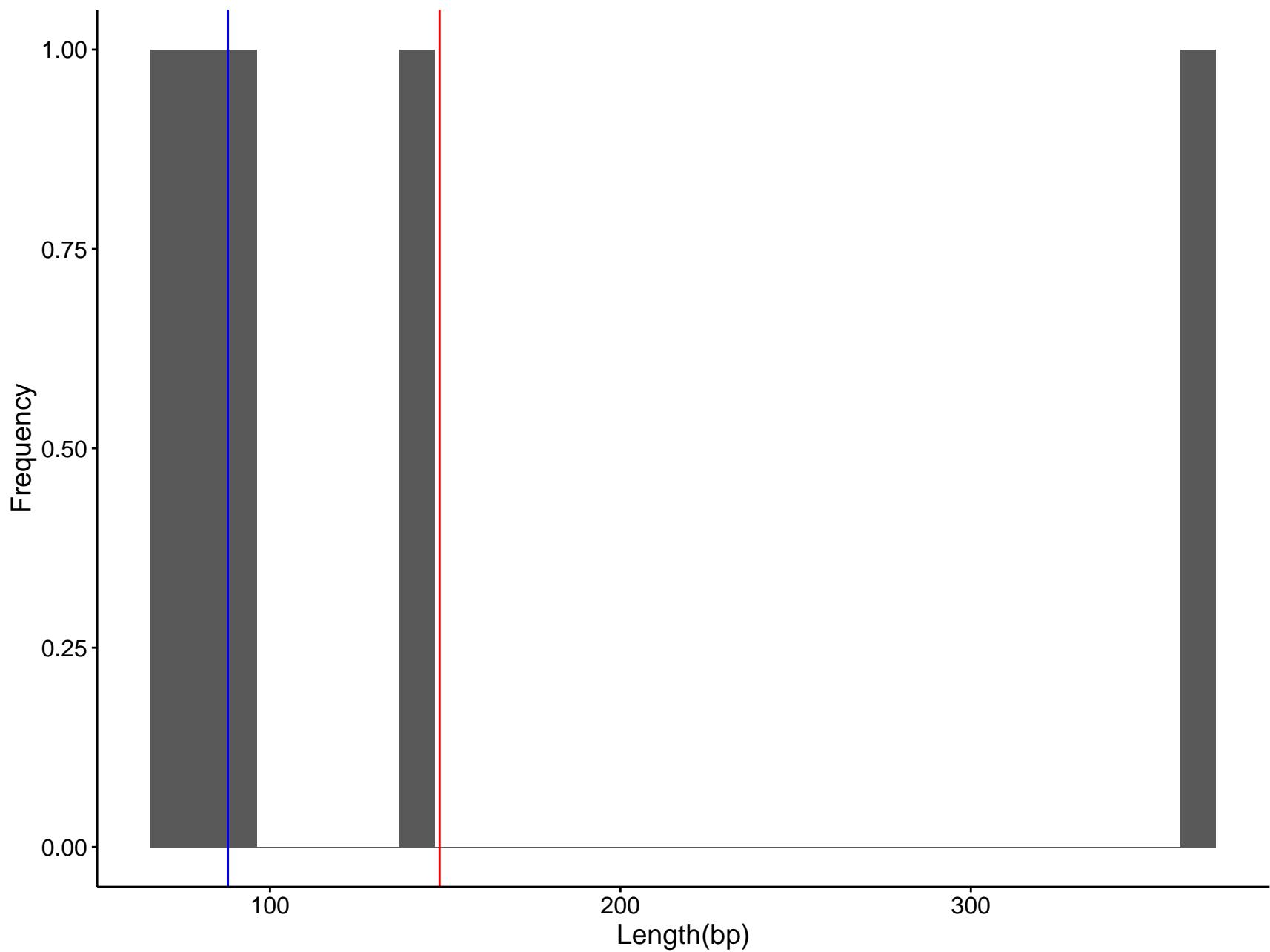
124.025

124.050

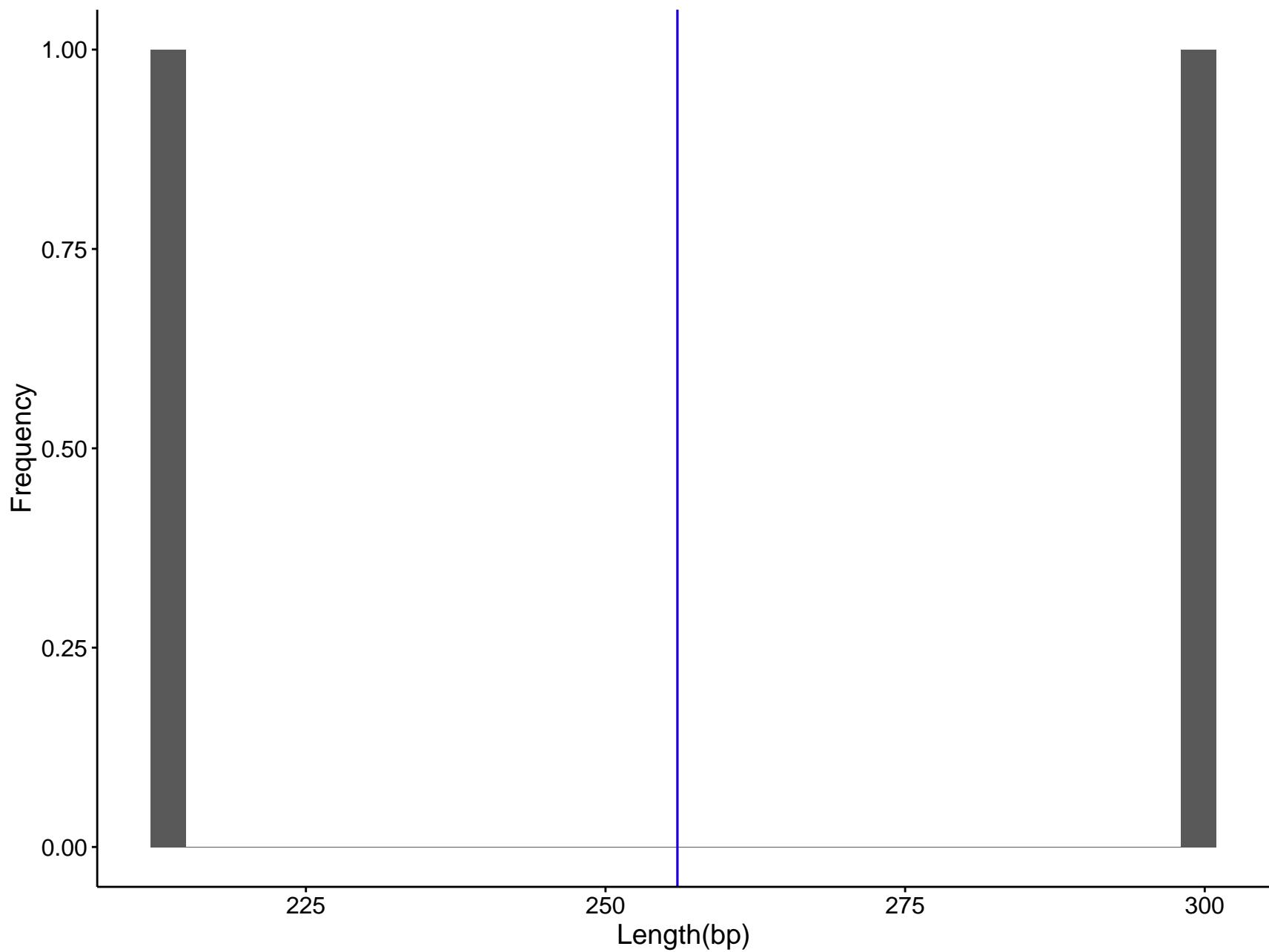
Length(bp)



Cluster3168



Cluster3169



# Cluster316

Frequency

706.950

706.975

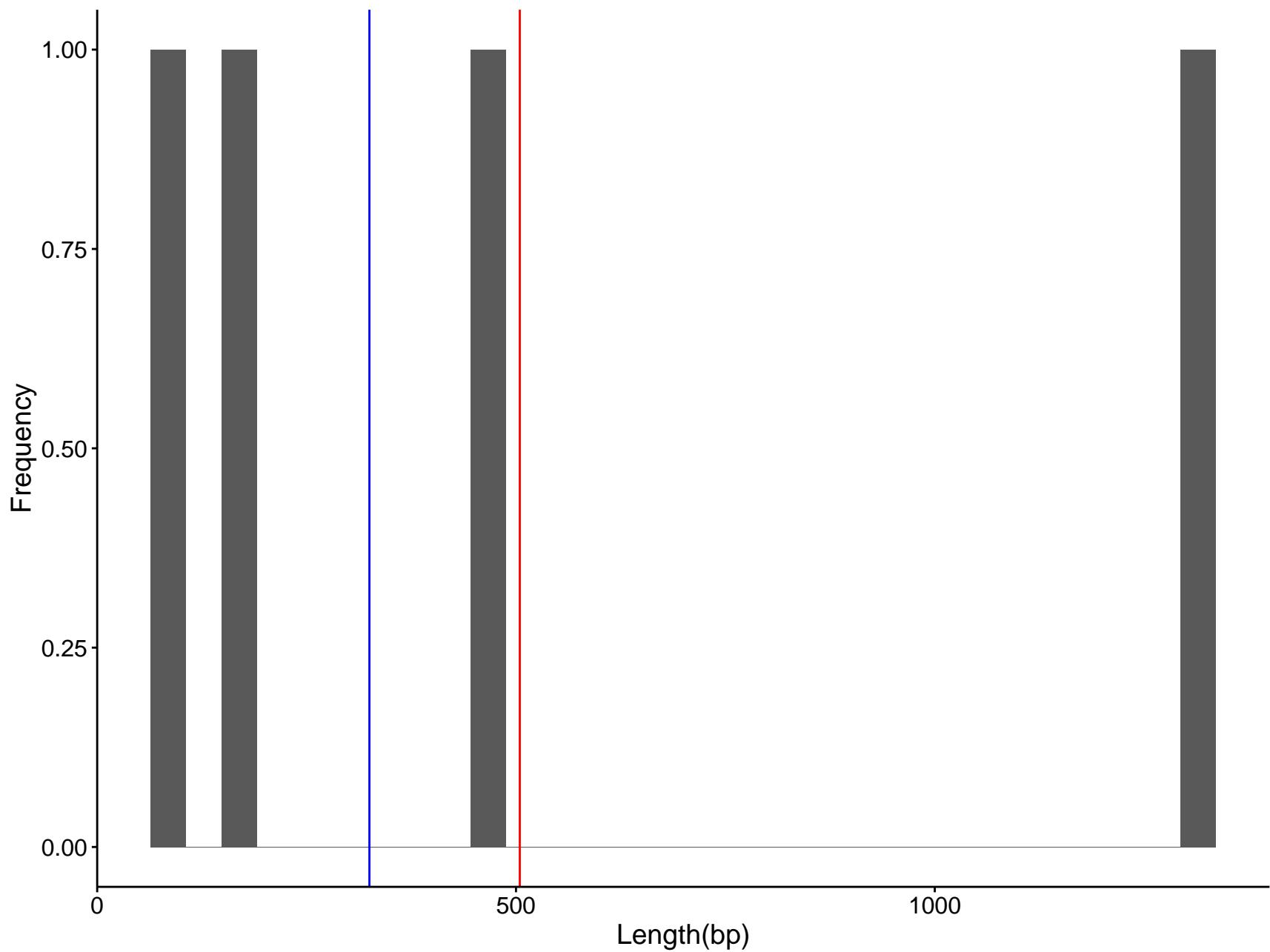
707.000

707.025

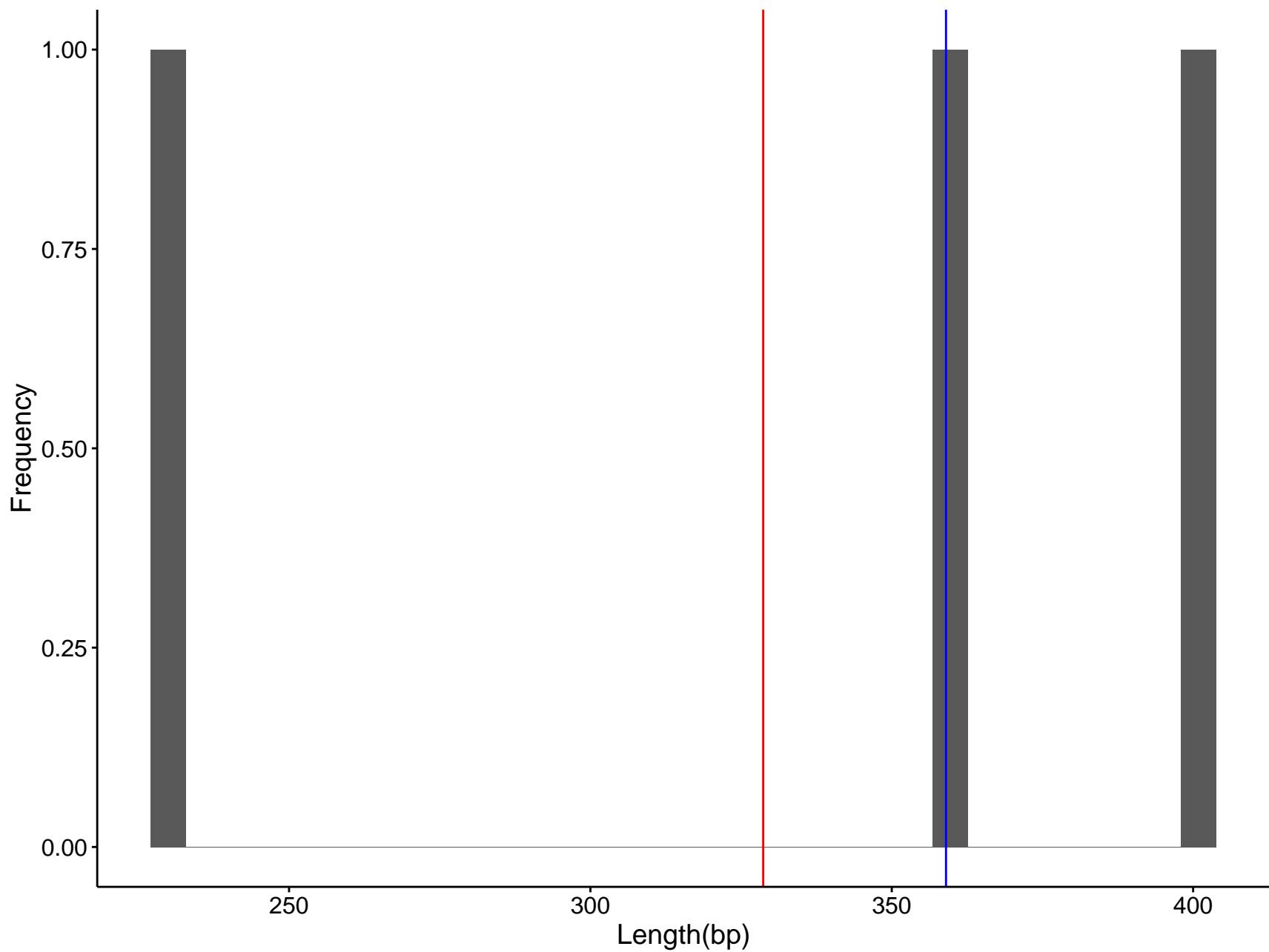
Length(bp)



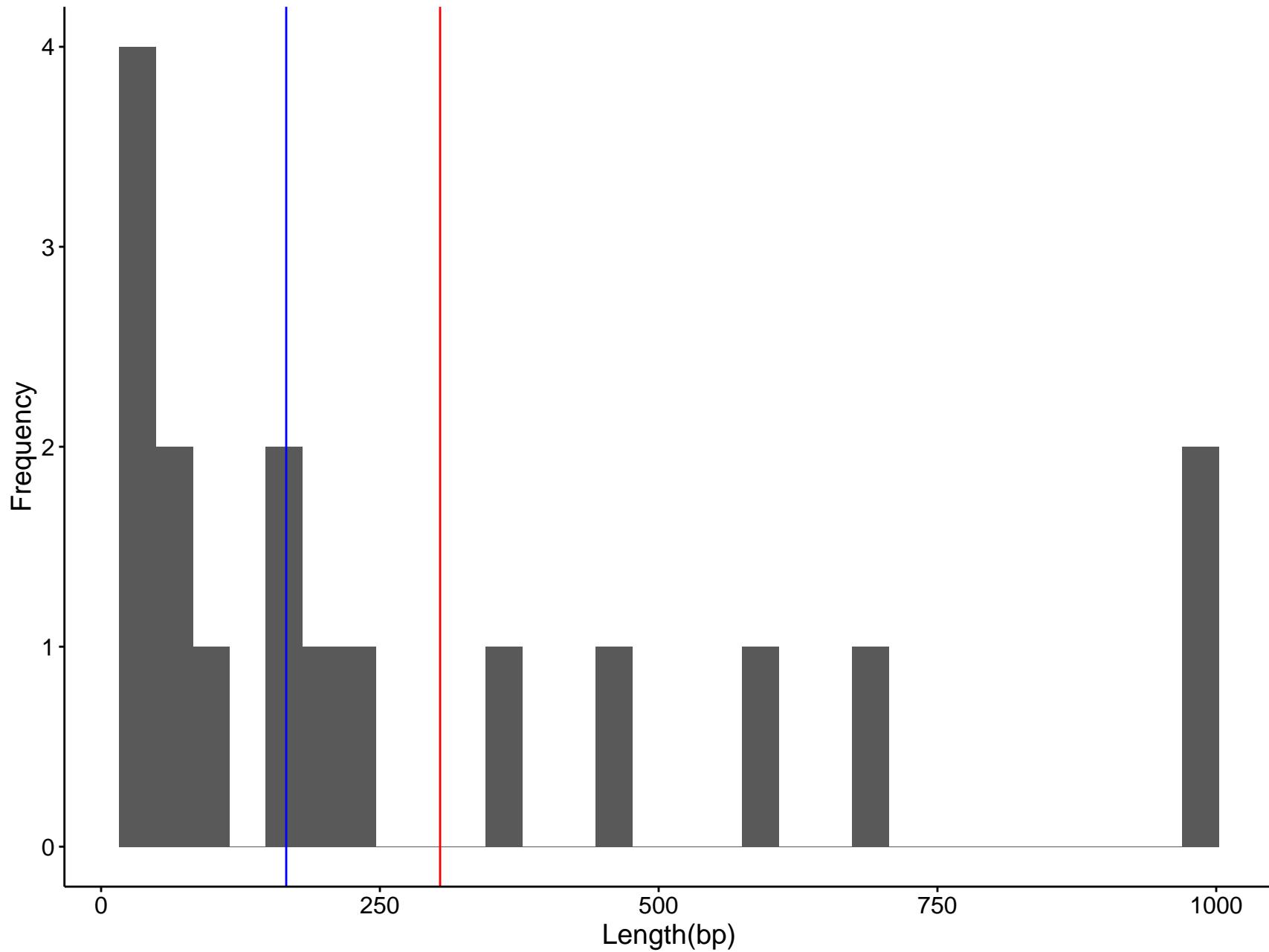
Cluster3171



Cluster3172



Cluster3174



Cluster3175

Frequency

405.950

405.975

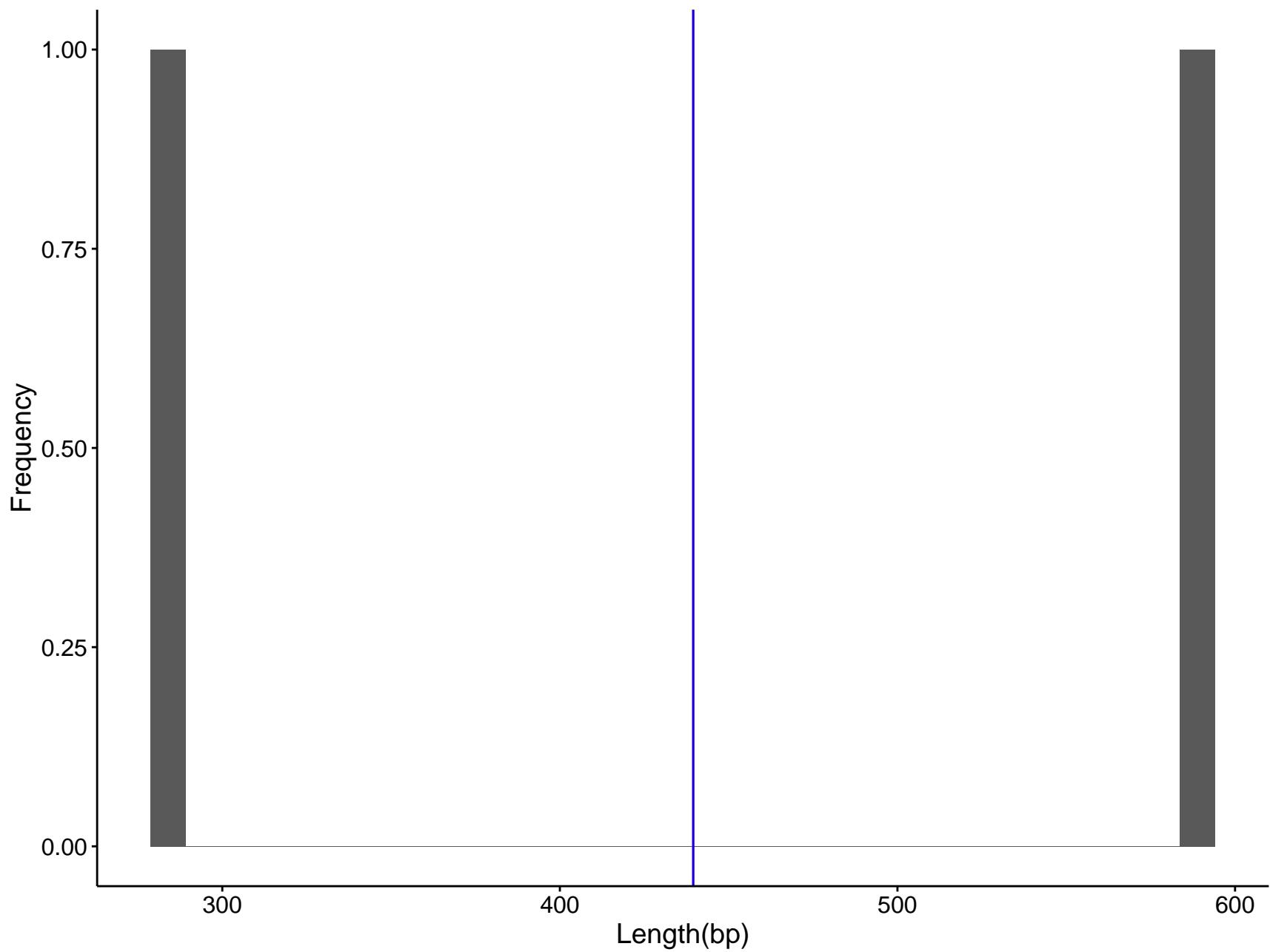
406.000

406.025

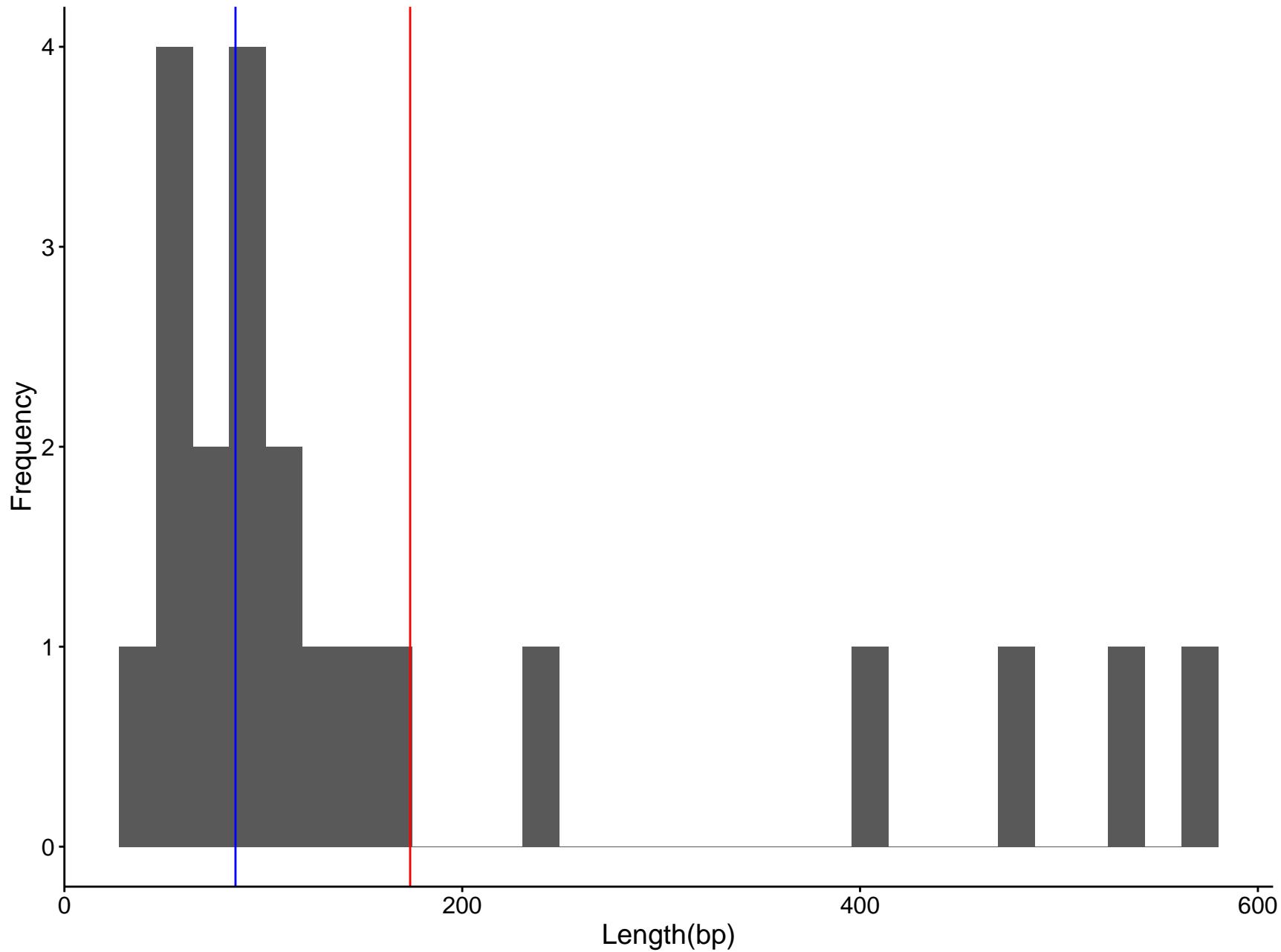
Length(bp)



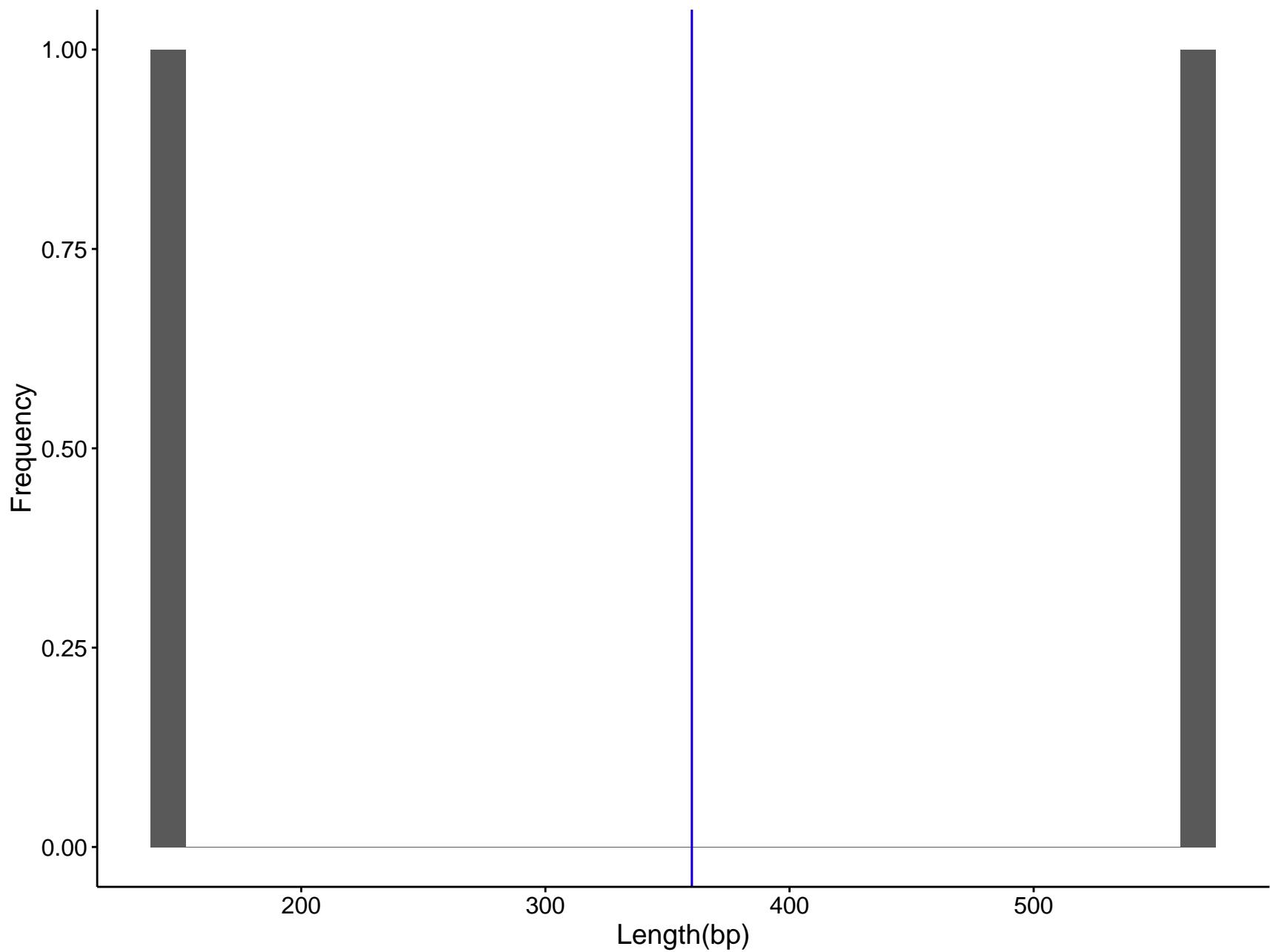
Cluster3176



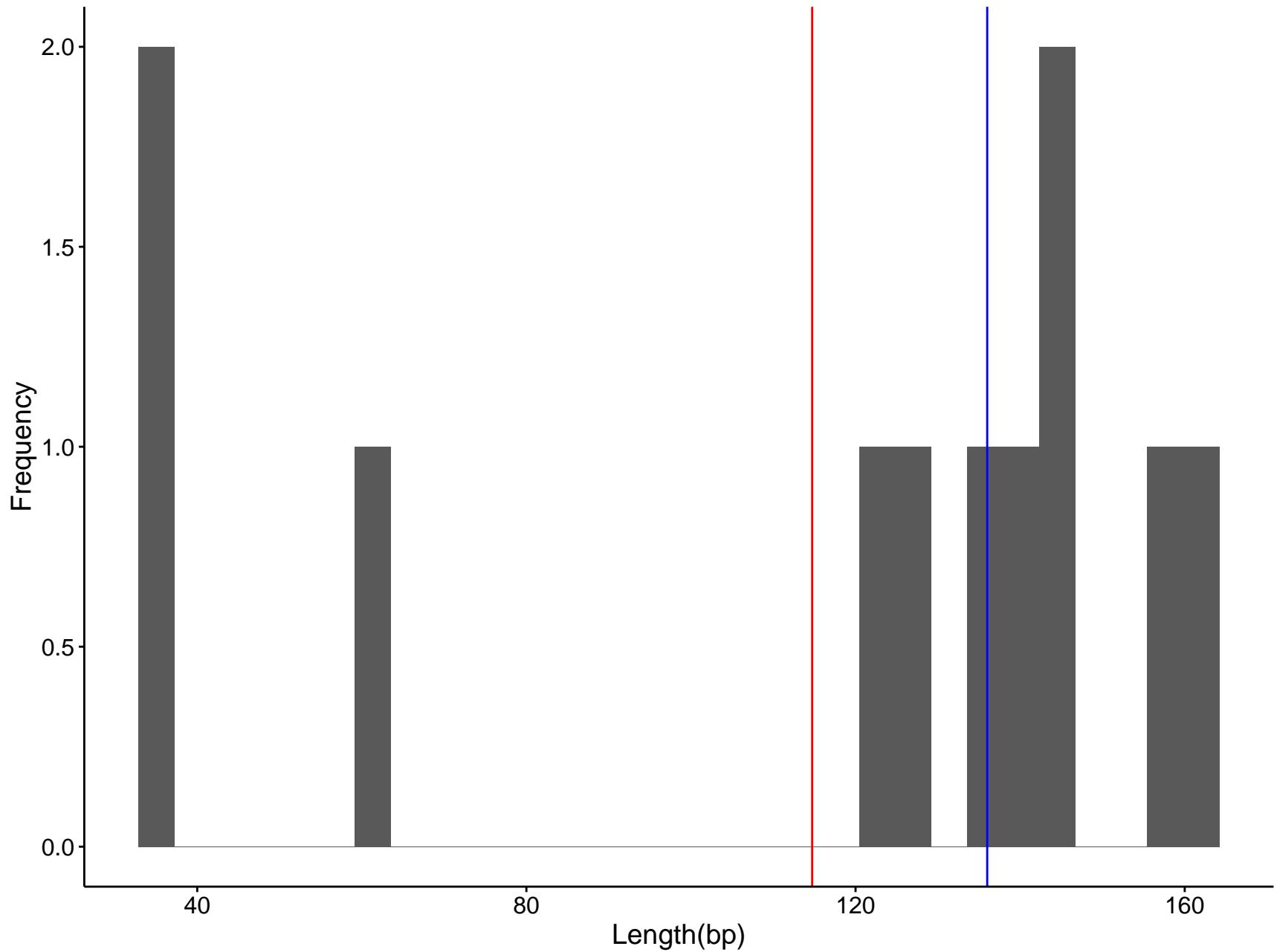
Cluster3177



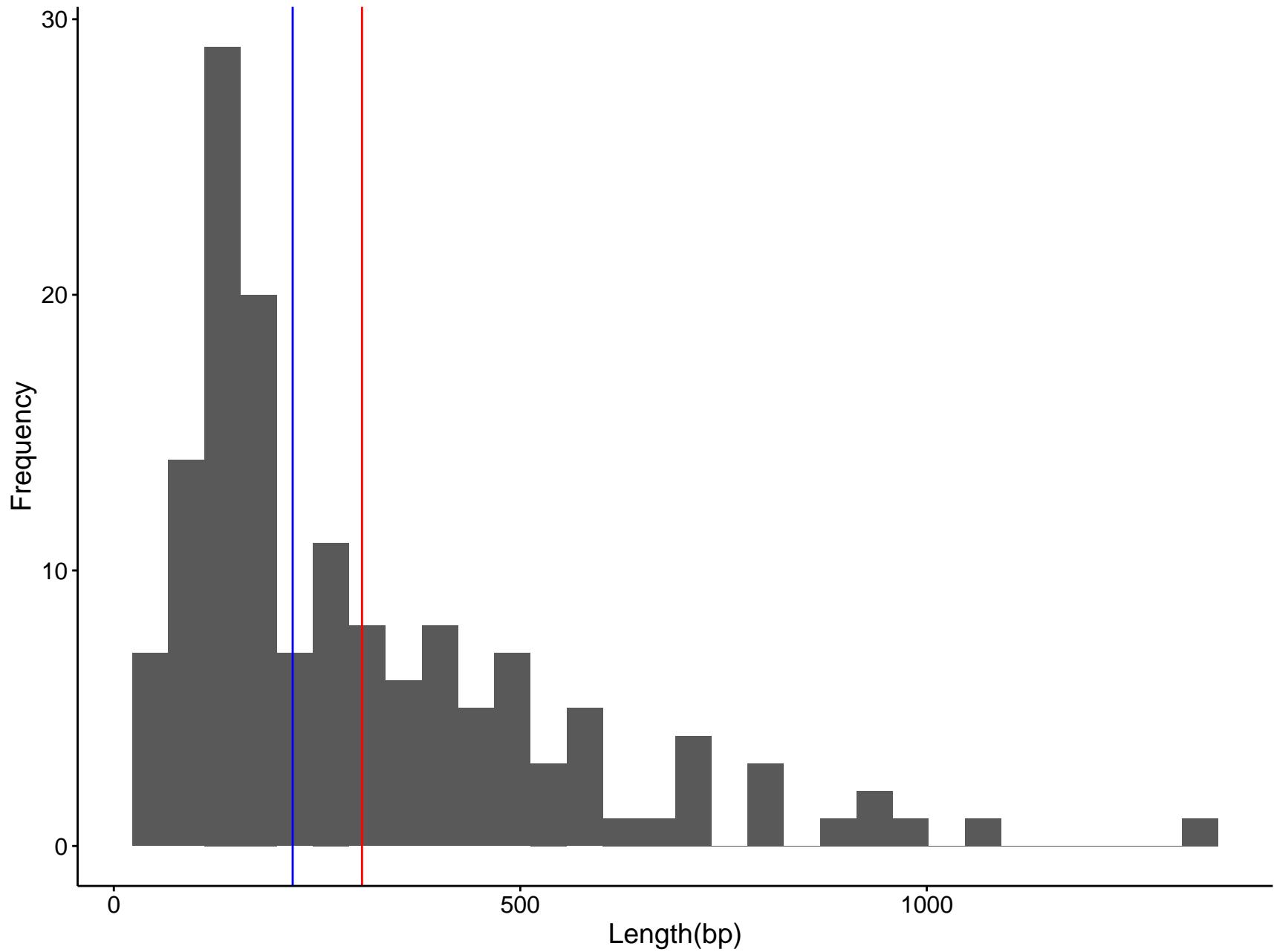
Cluster3178



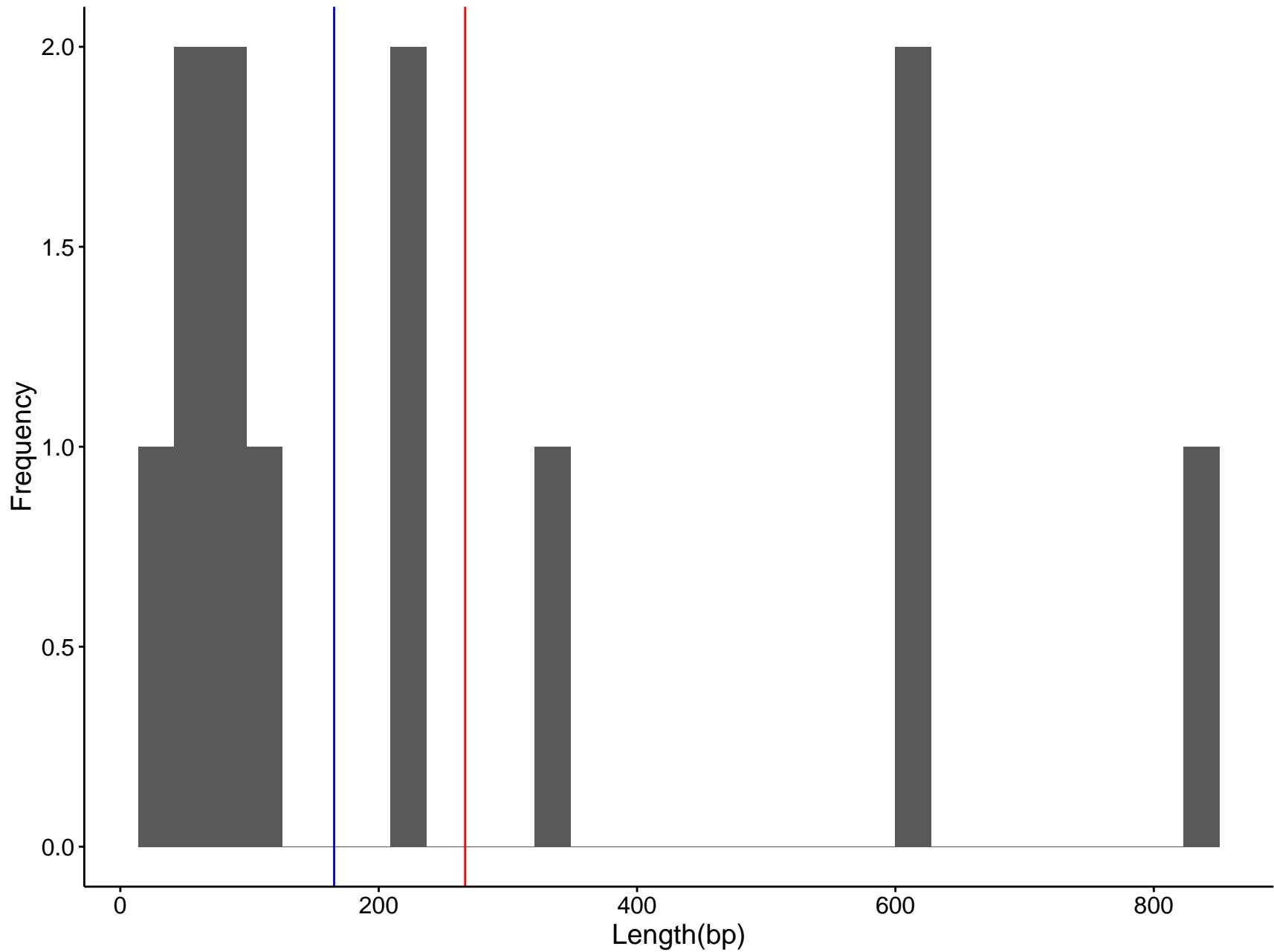
Cluster3179



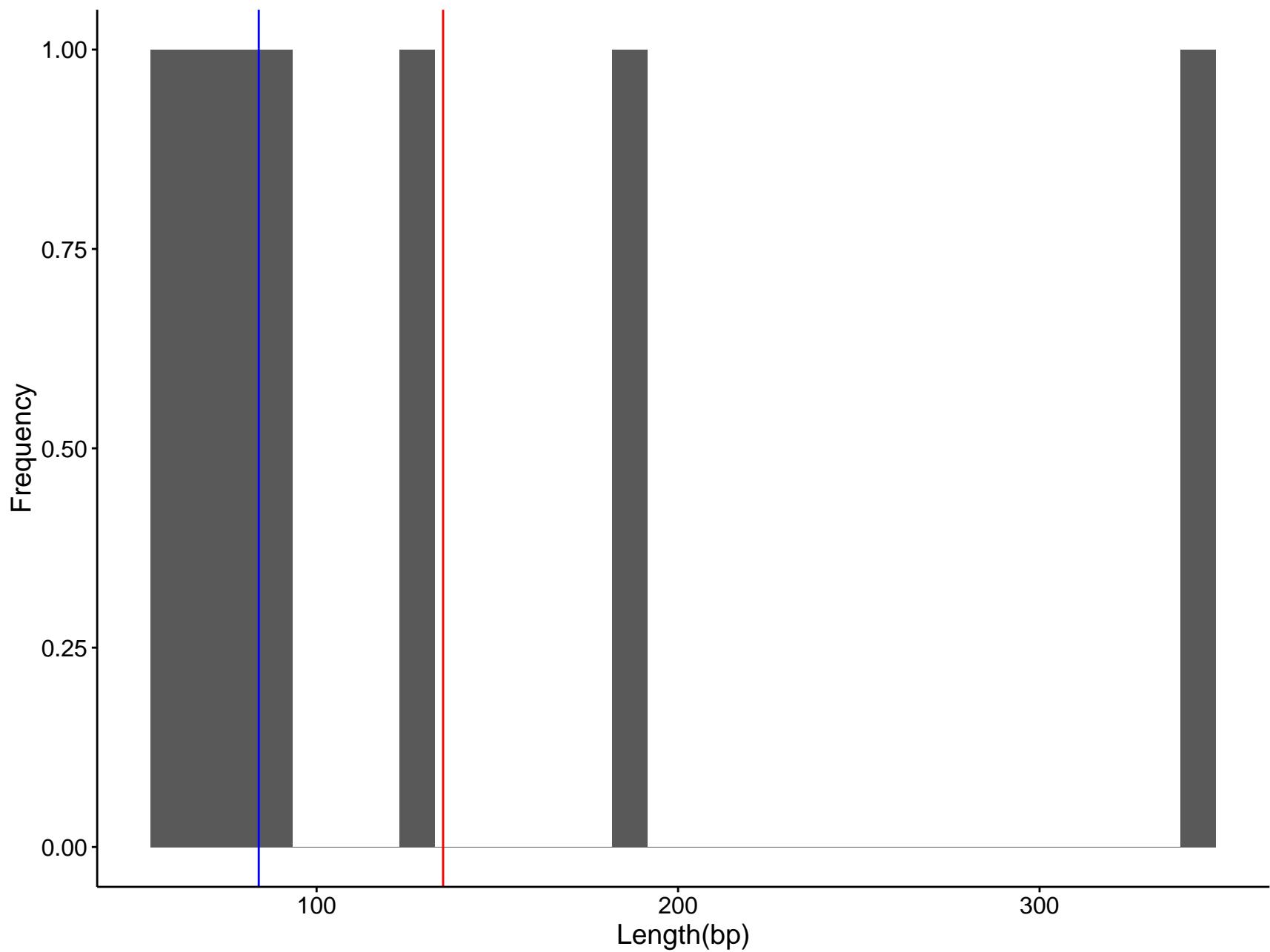
Cluster317



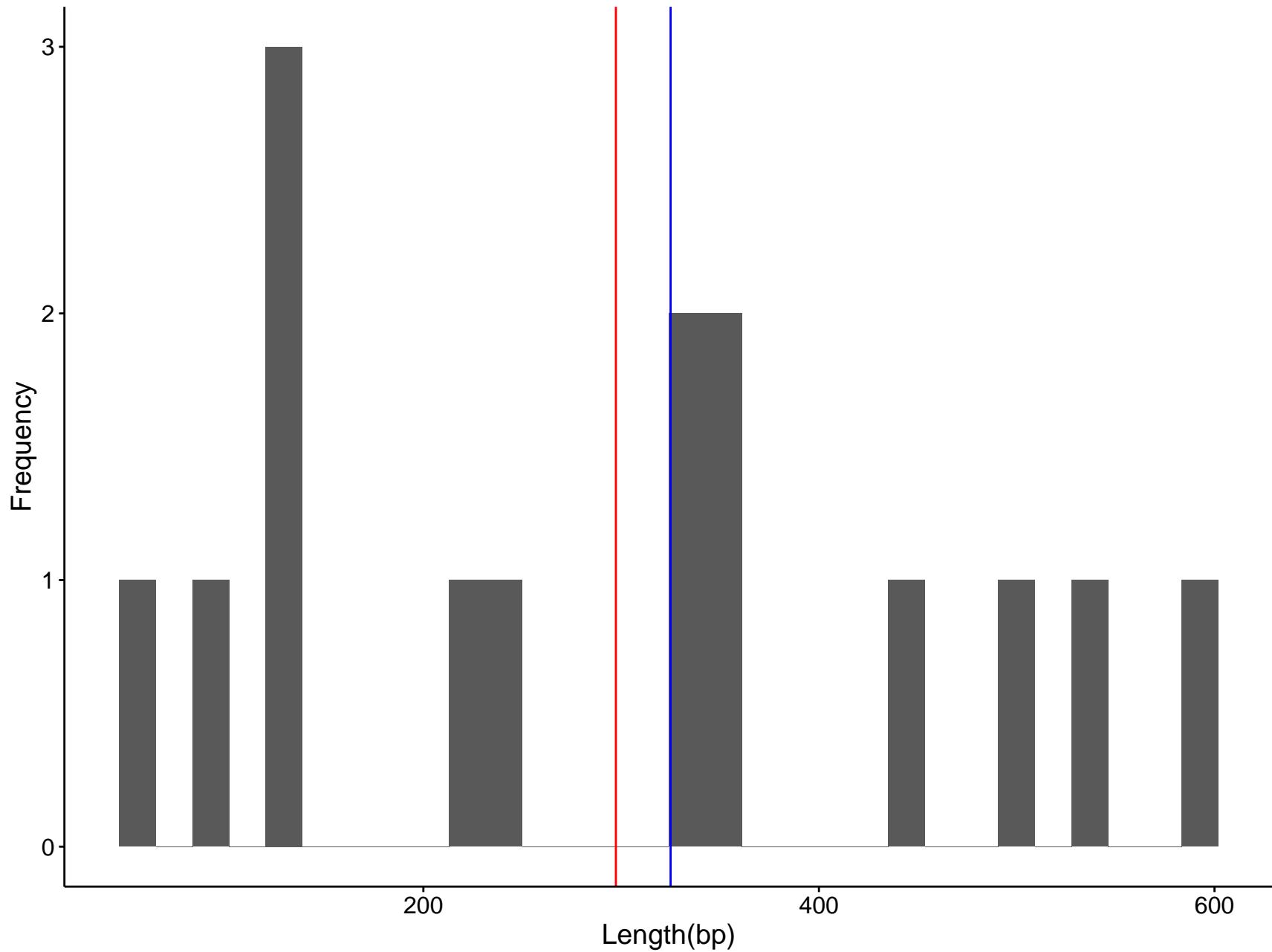
Cluster3180



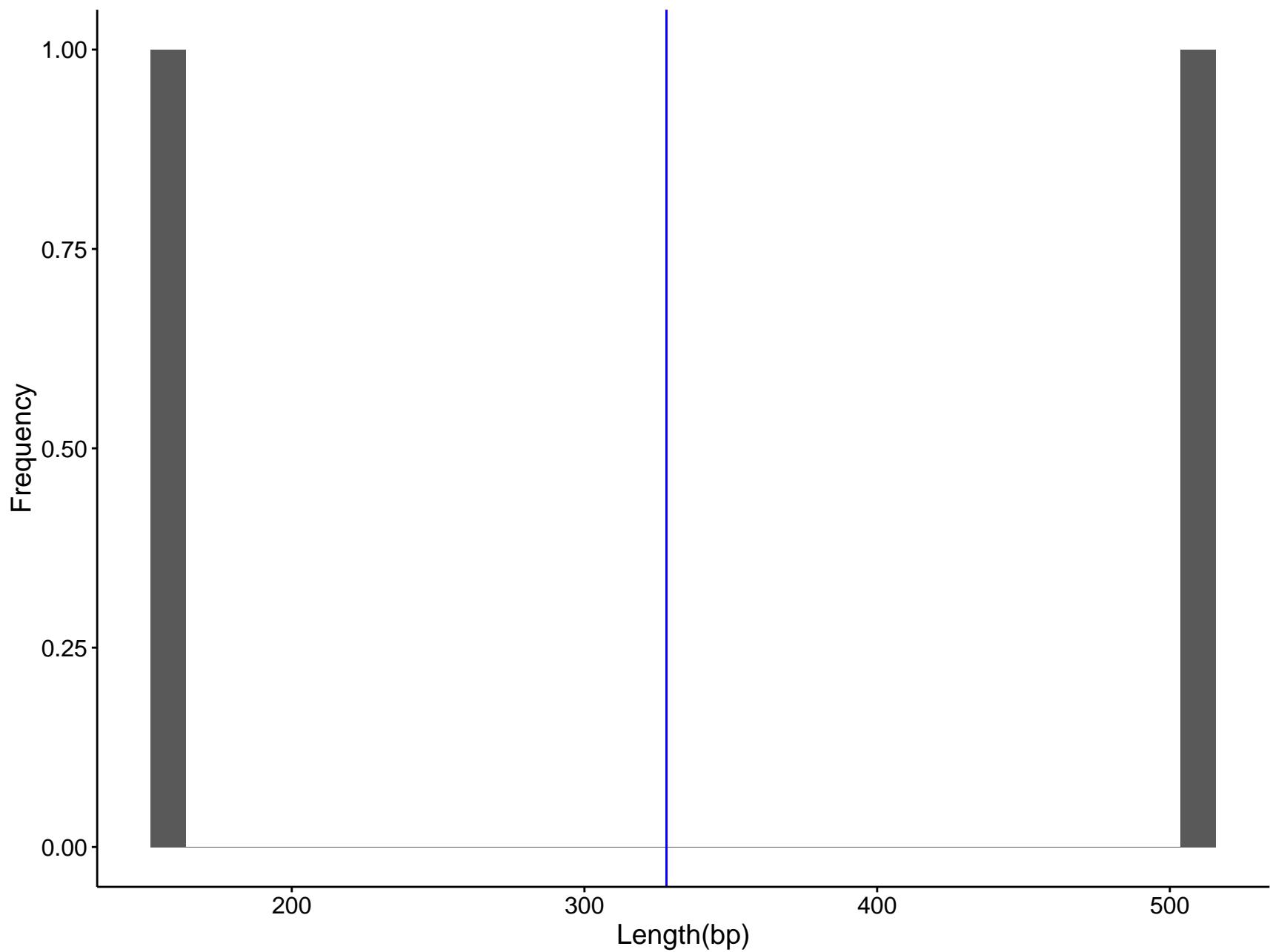
Cluster3181



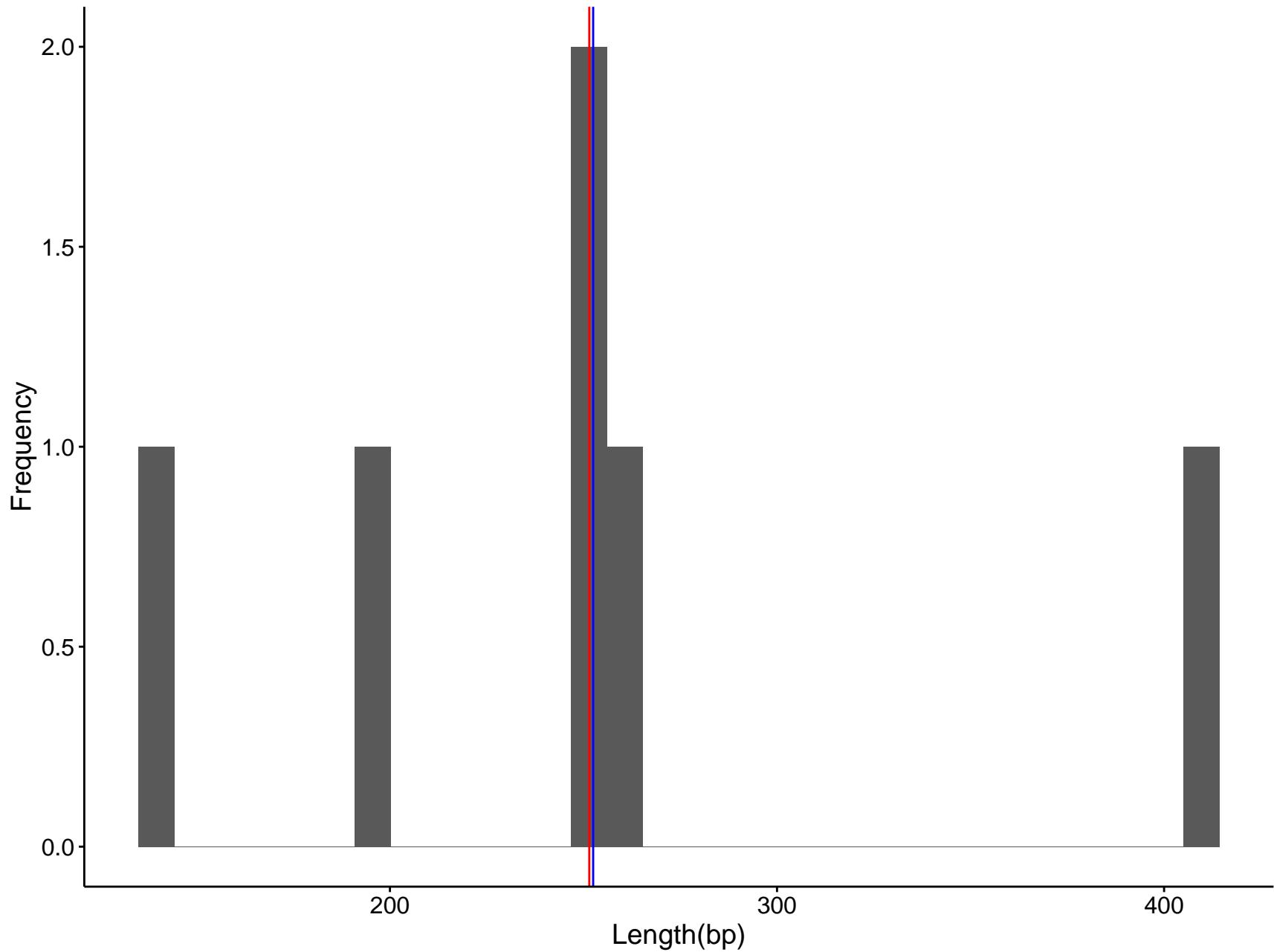
Cluster3182



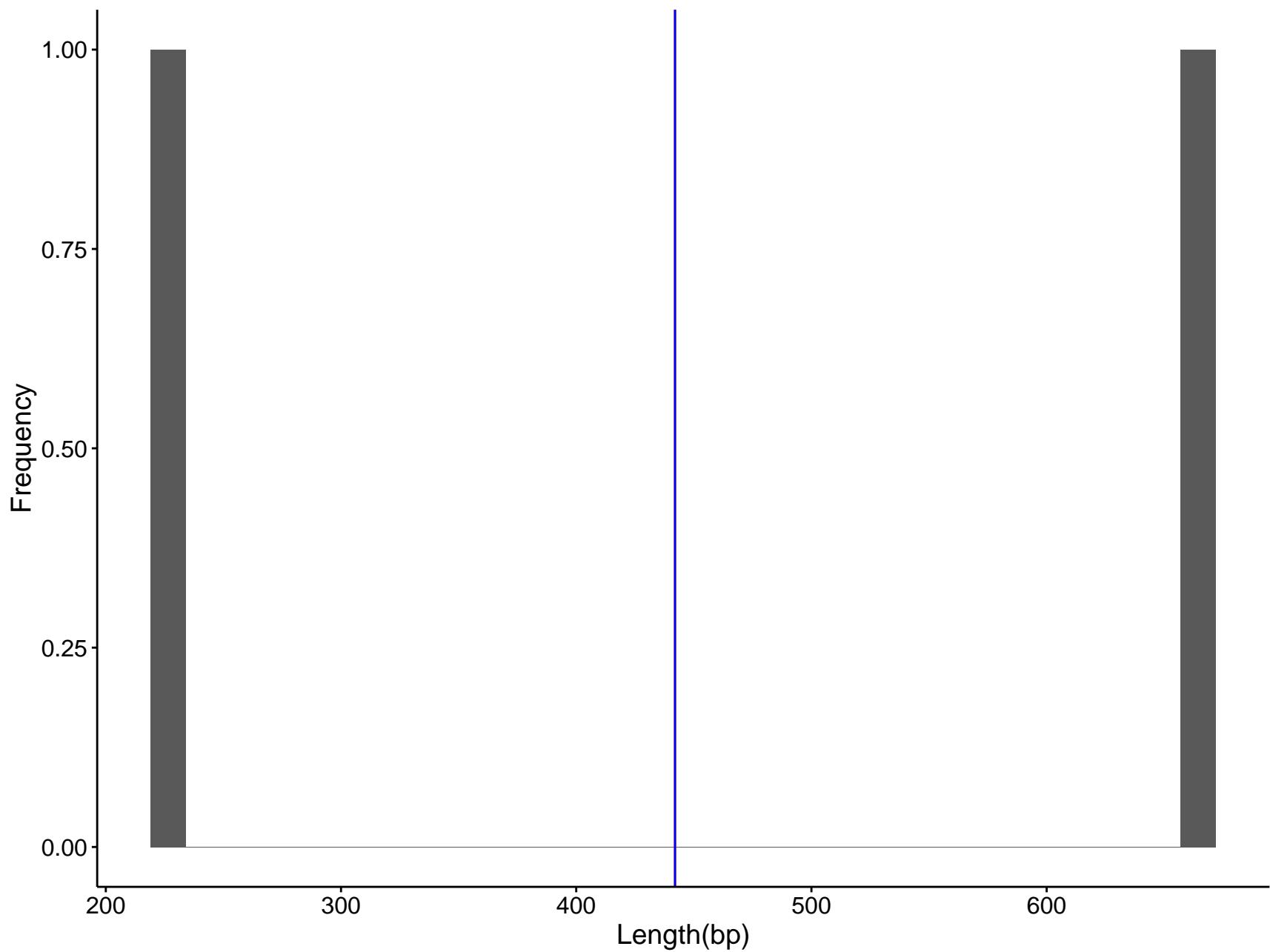
Cluster3183



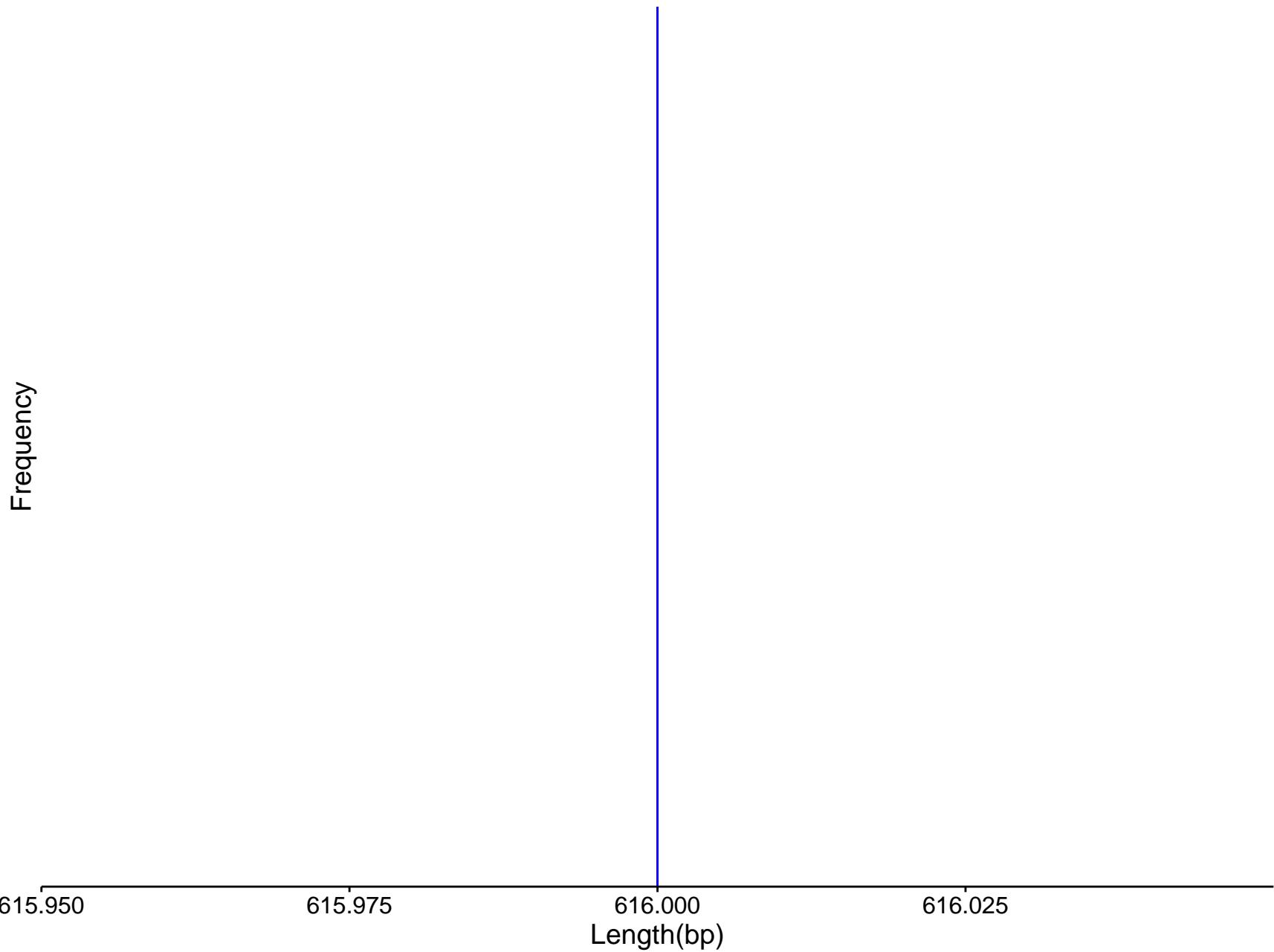
Cluster3184



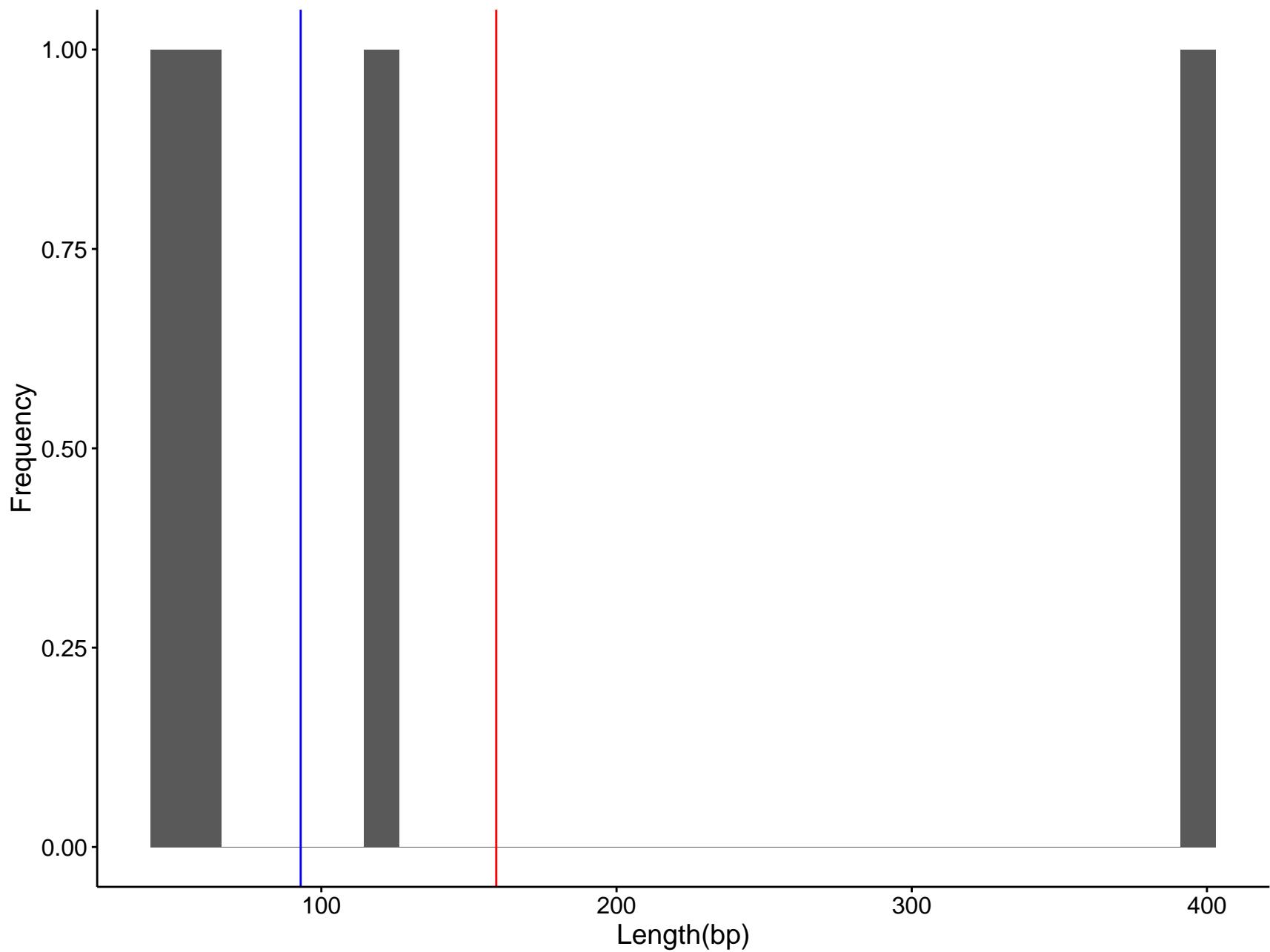
Cluster3185



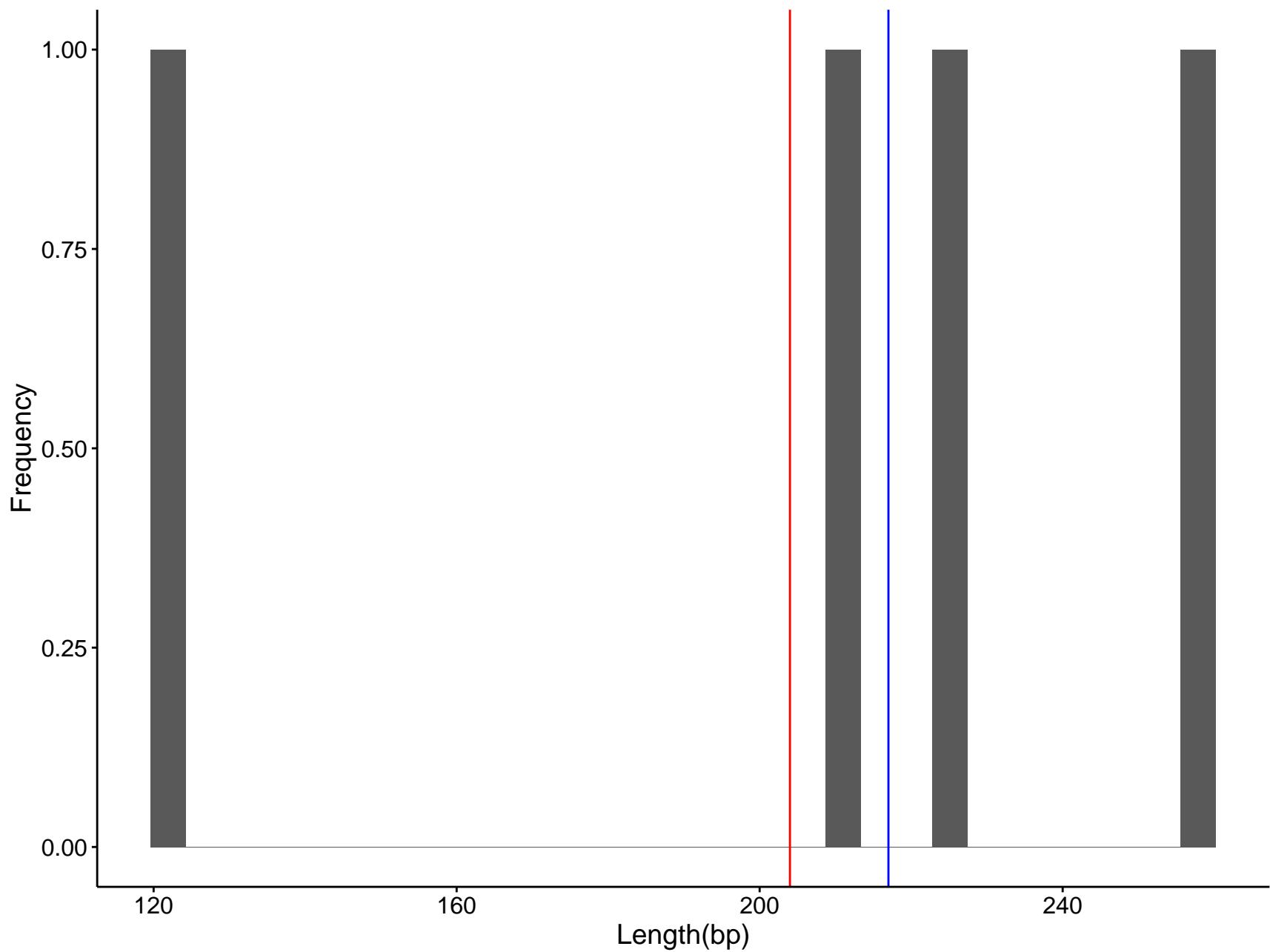
# Cluster3186



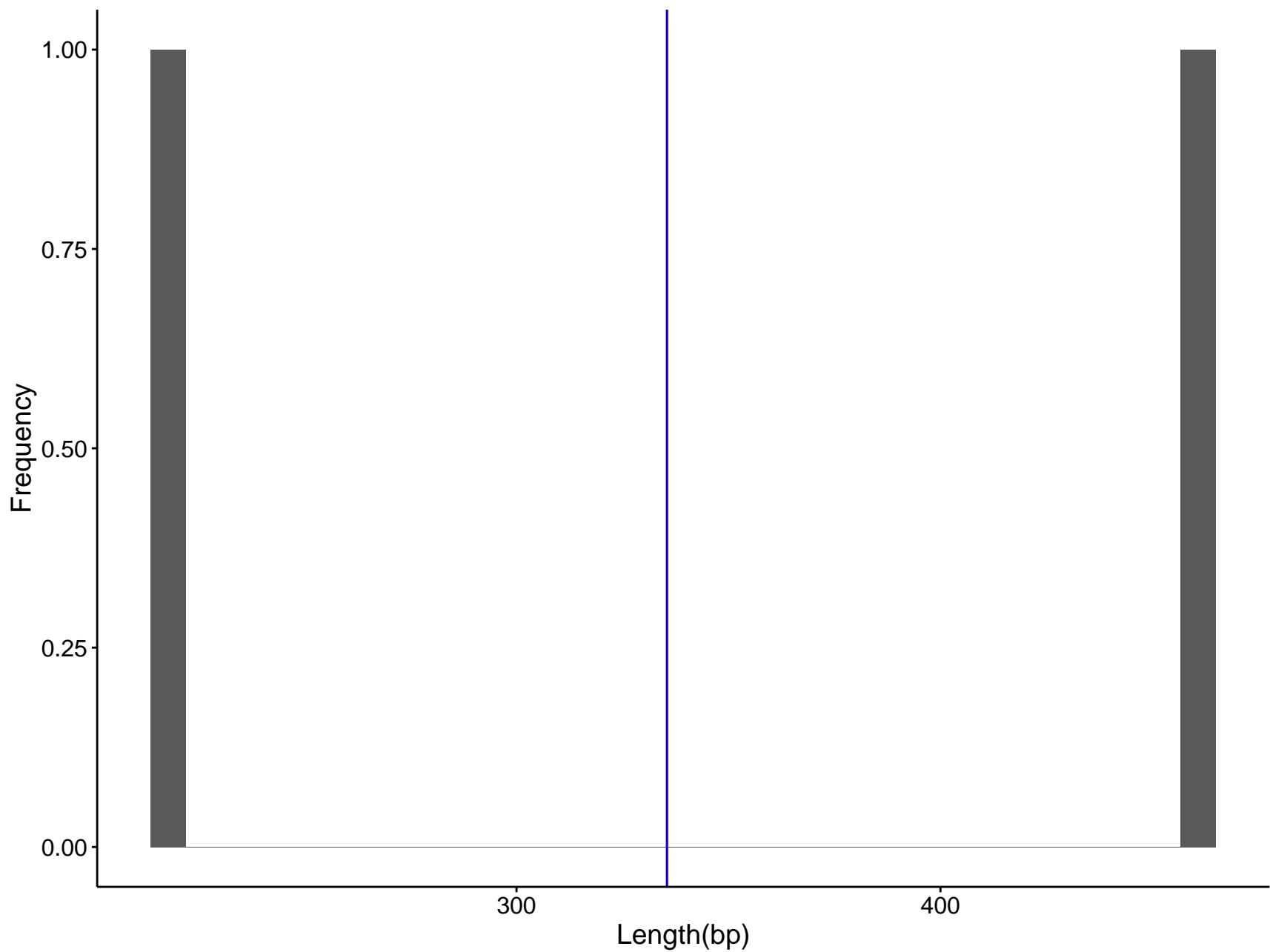
Cluster3187



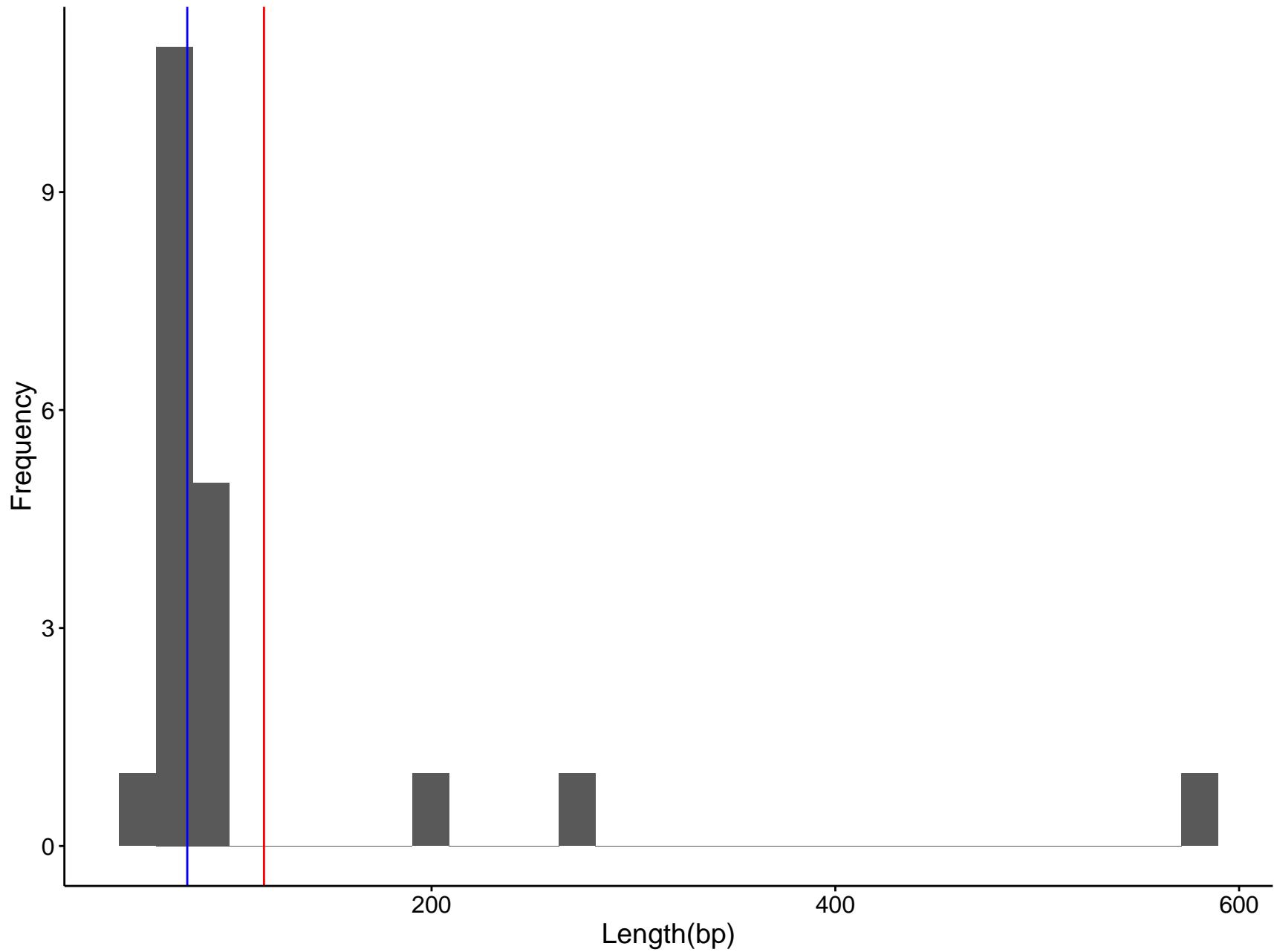
Cluster3188



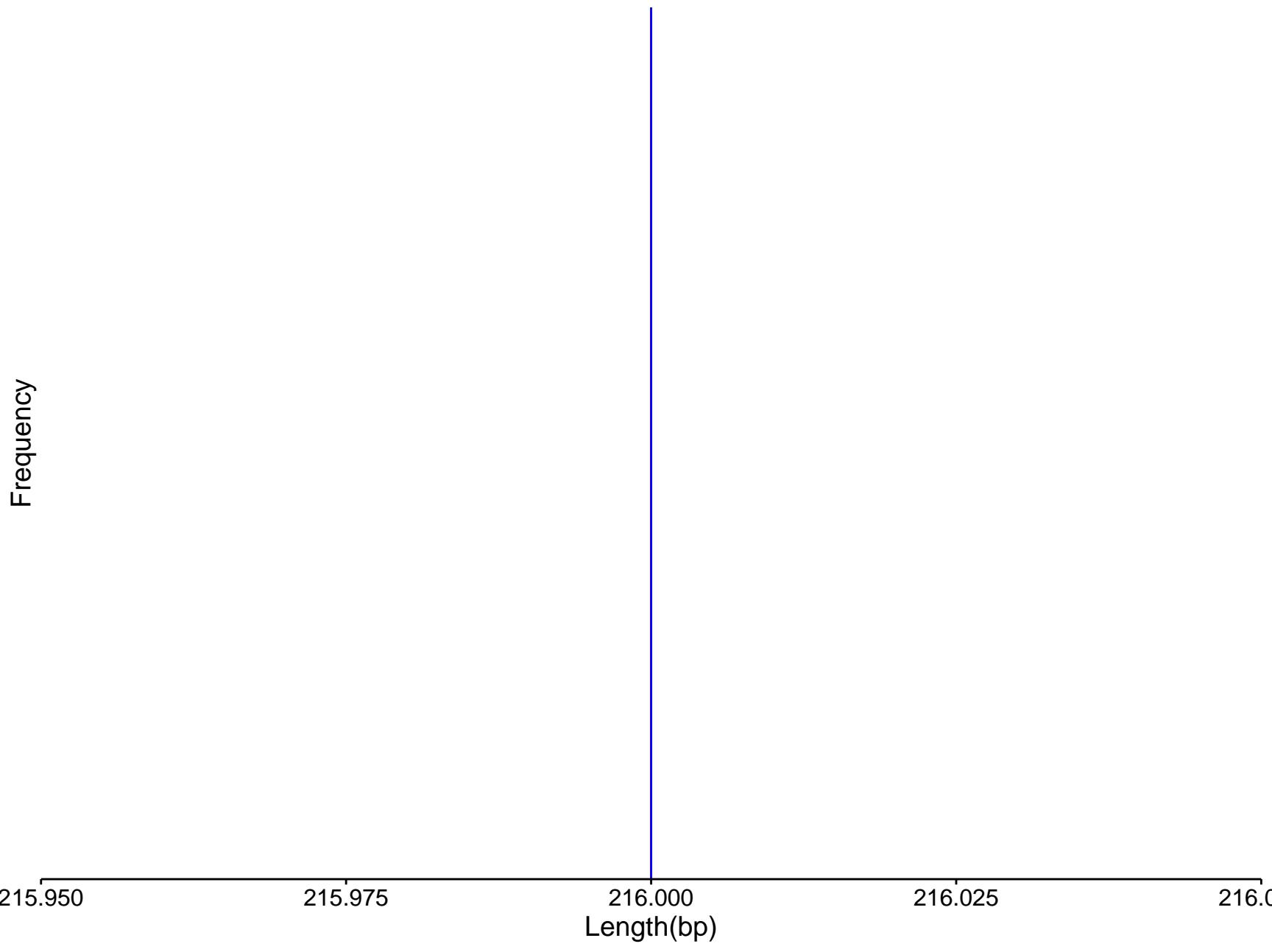
Cluster3189



Cluster318



# Cluster3192



Cluster3193

Frequency

363.950

363.975

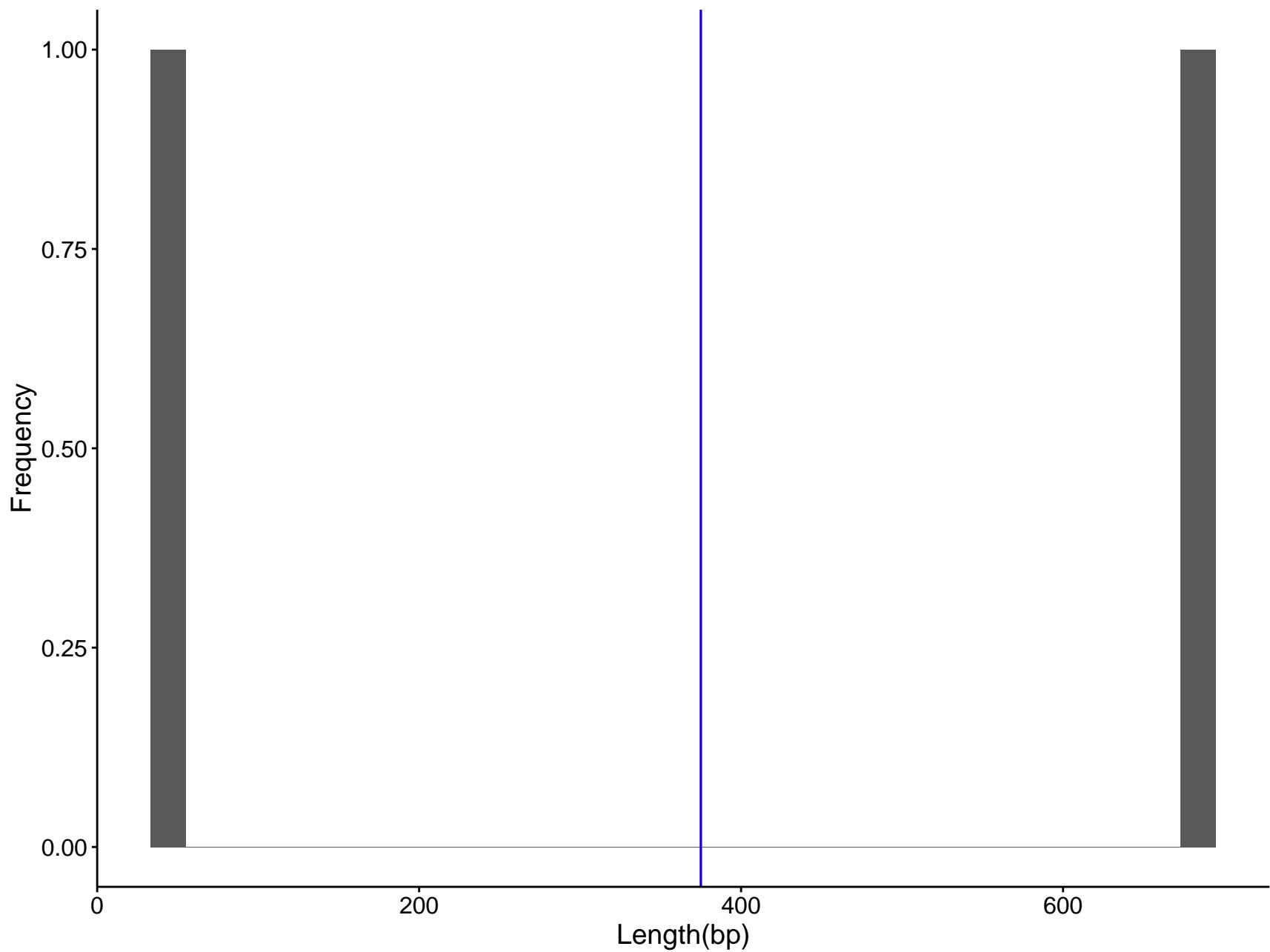
364.000

364.025

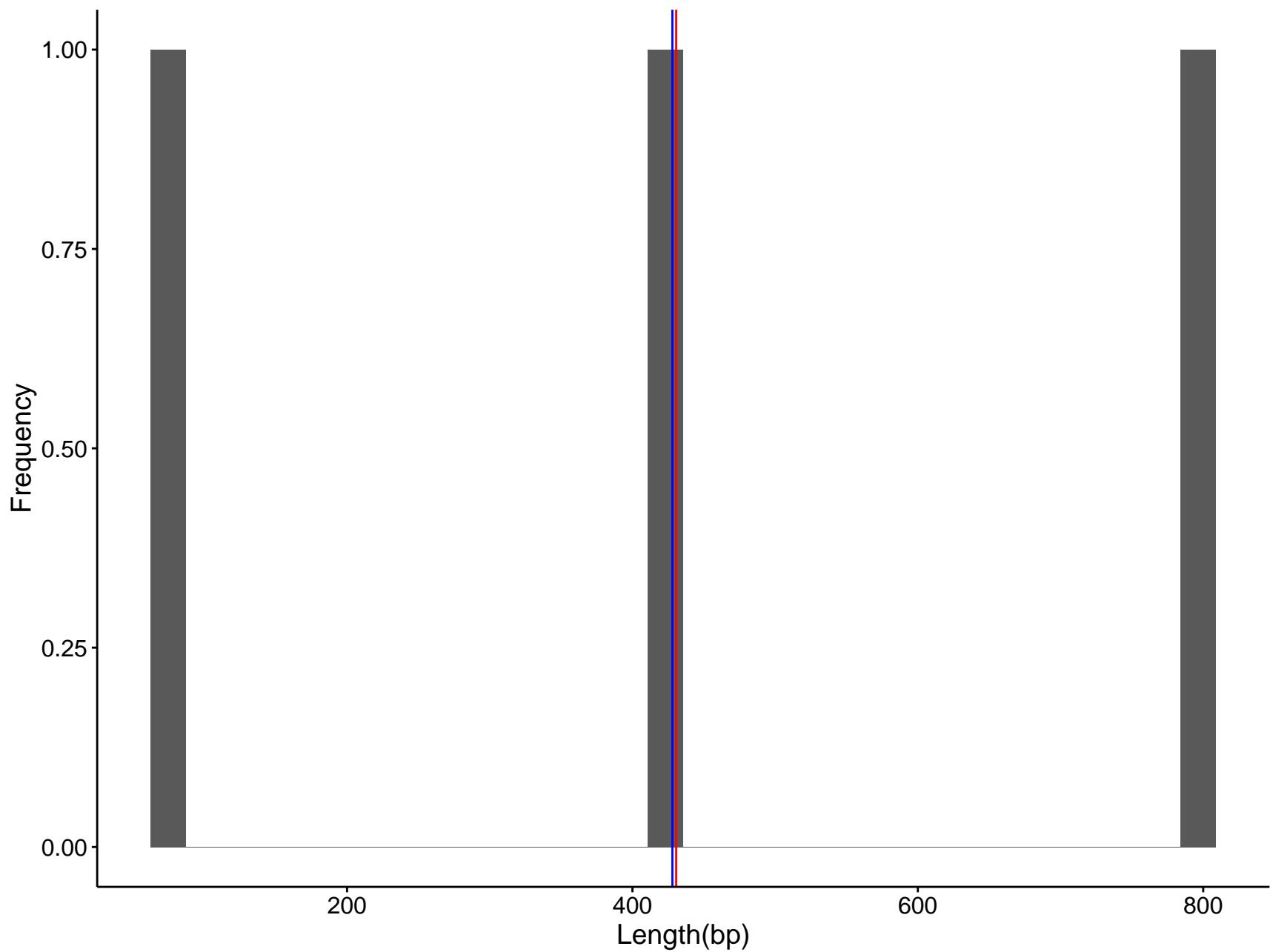
Length(bp)



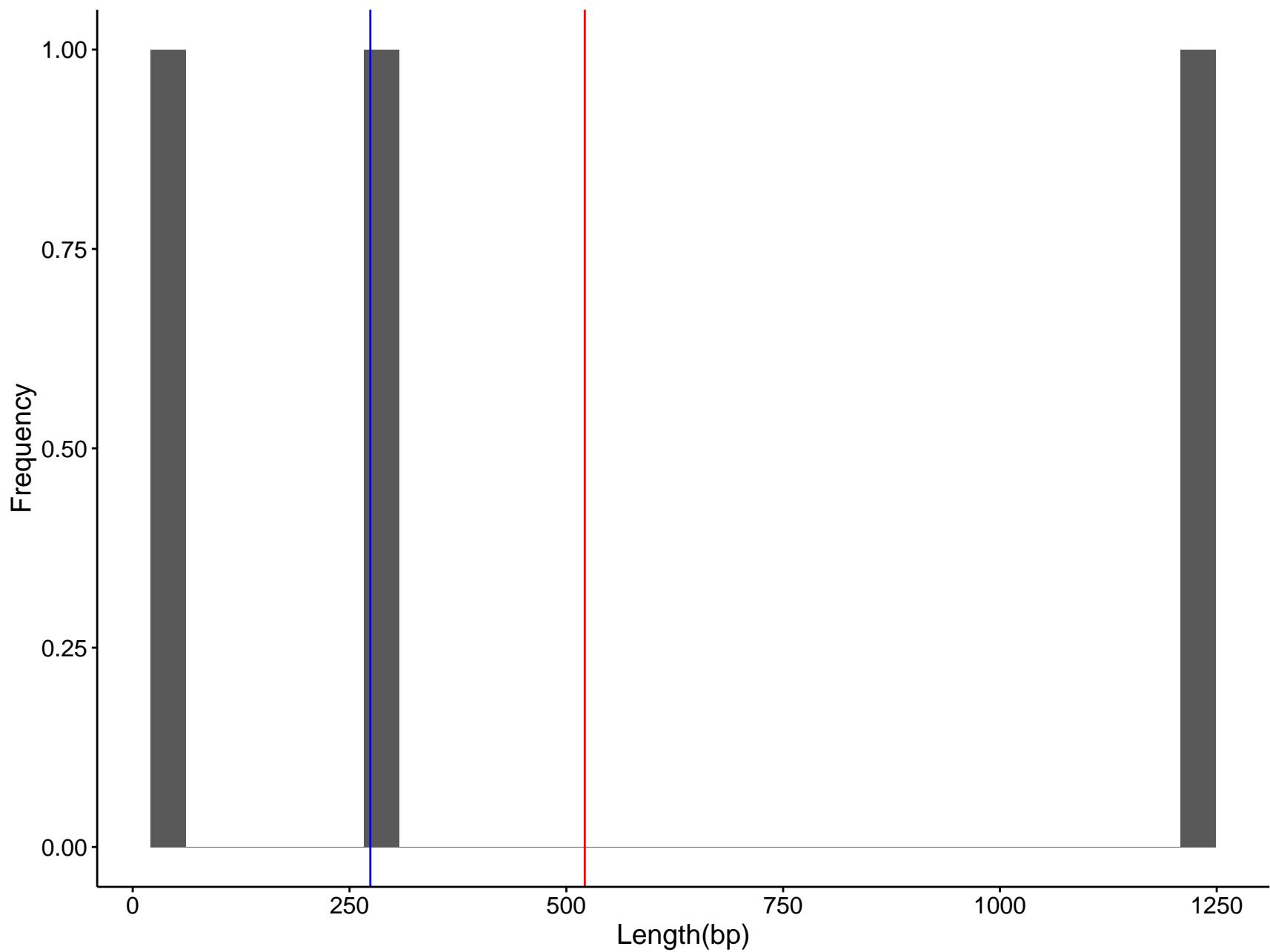
Cluster3194



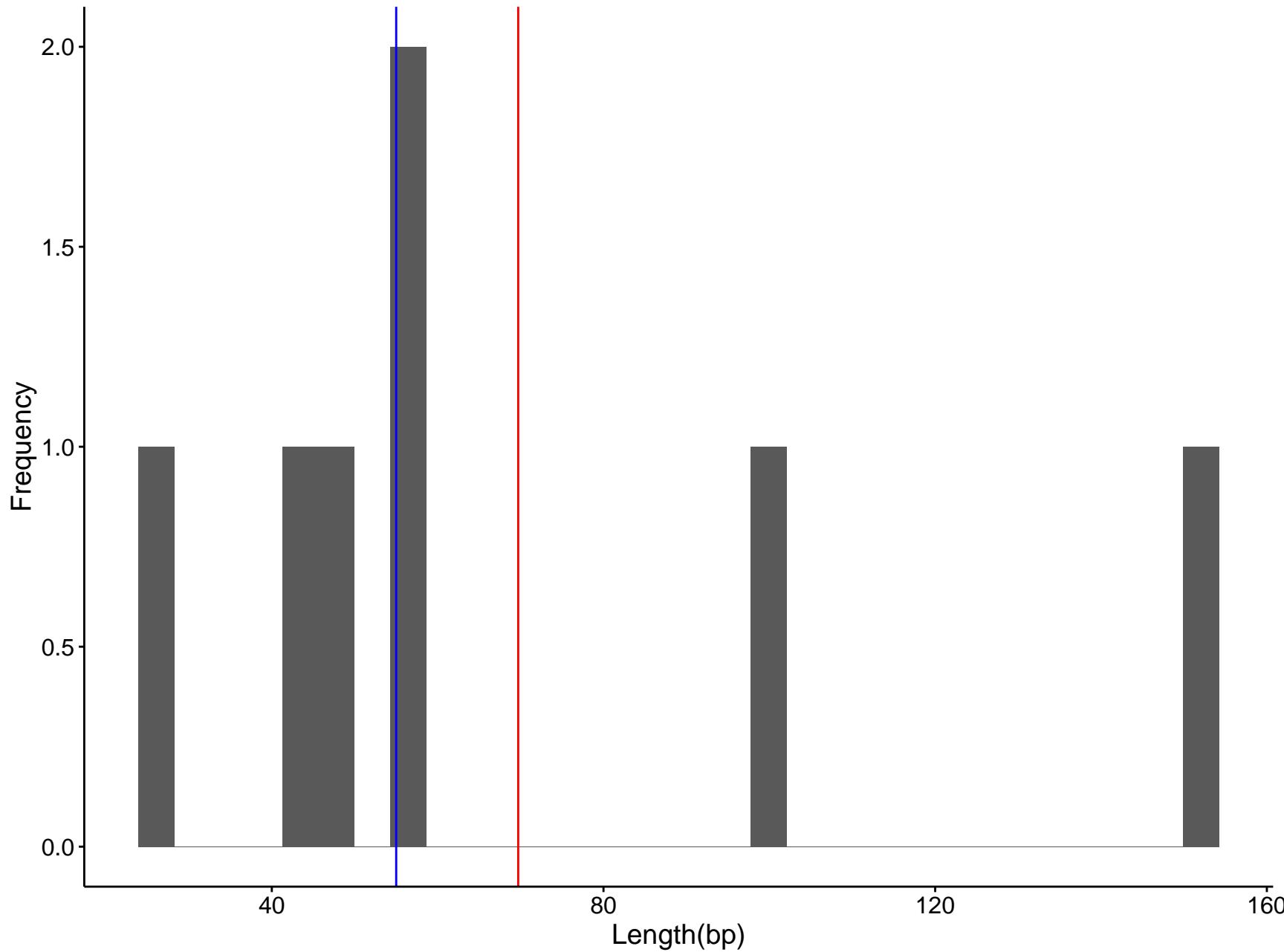
Cluster3195



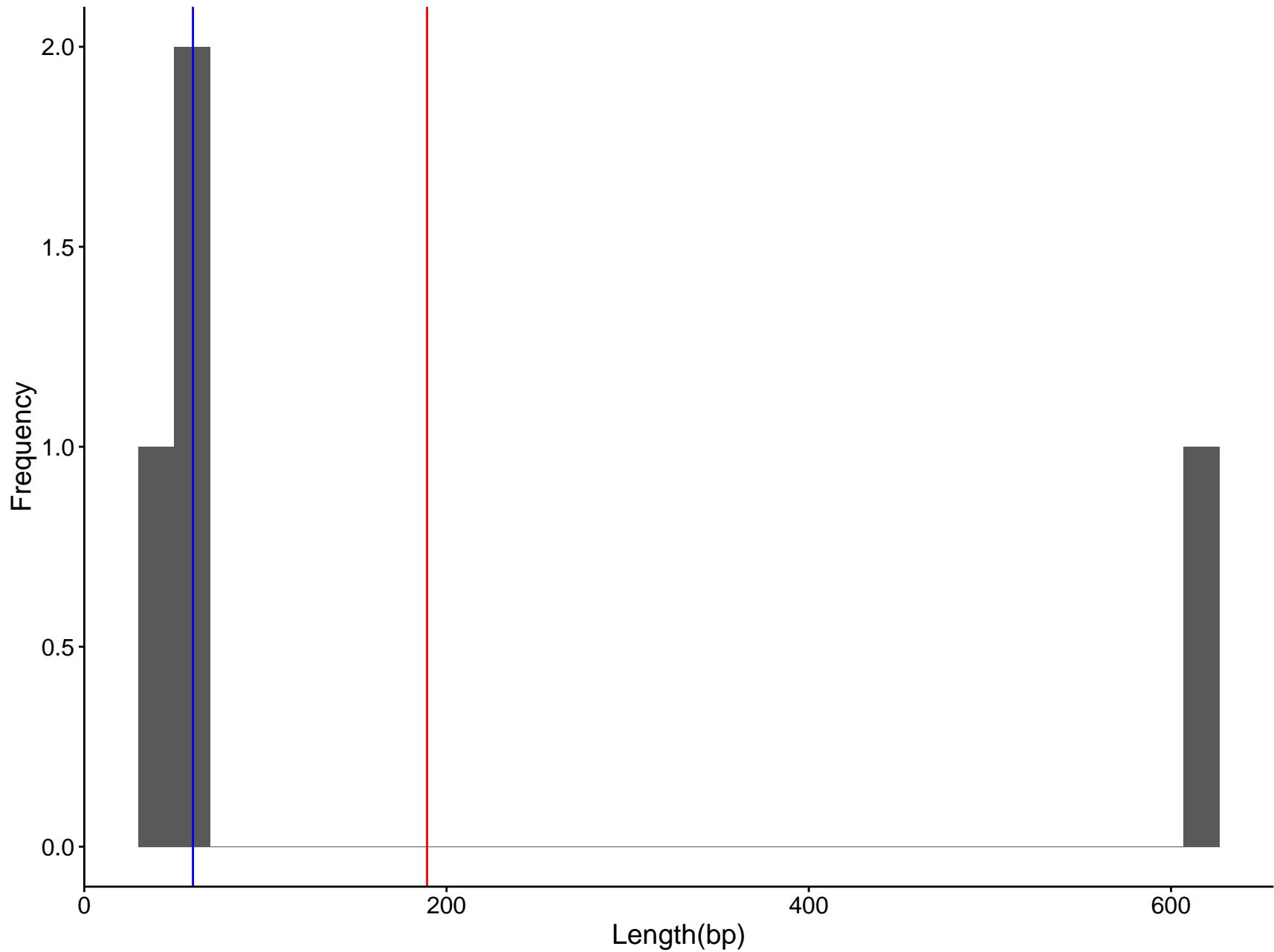
Cluster3196



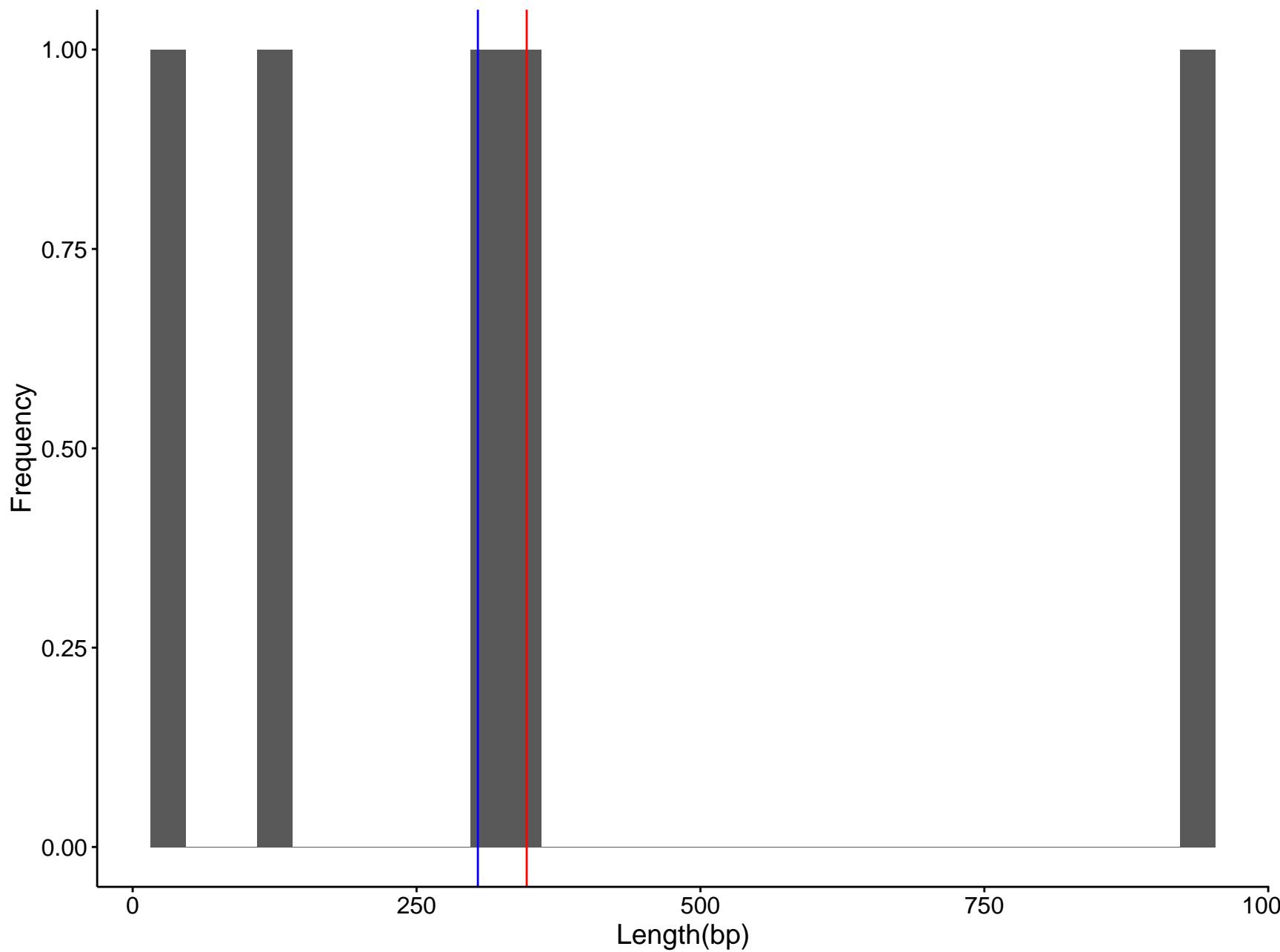
Cluster3197



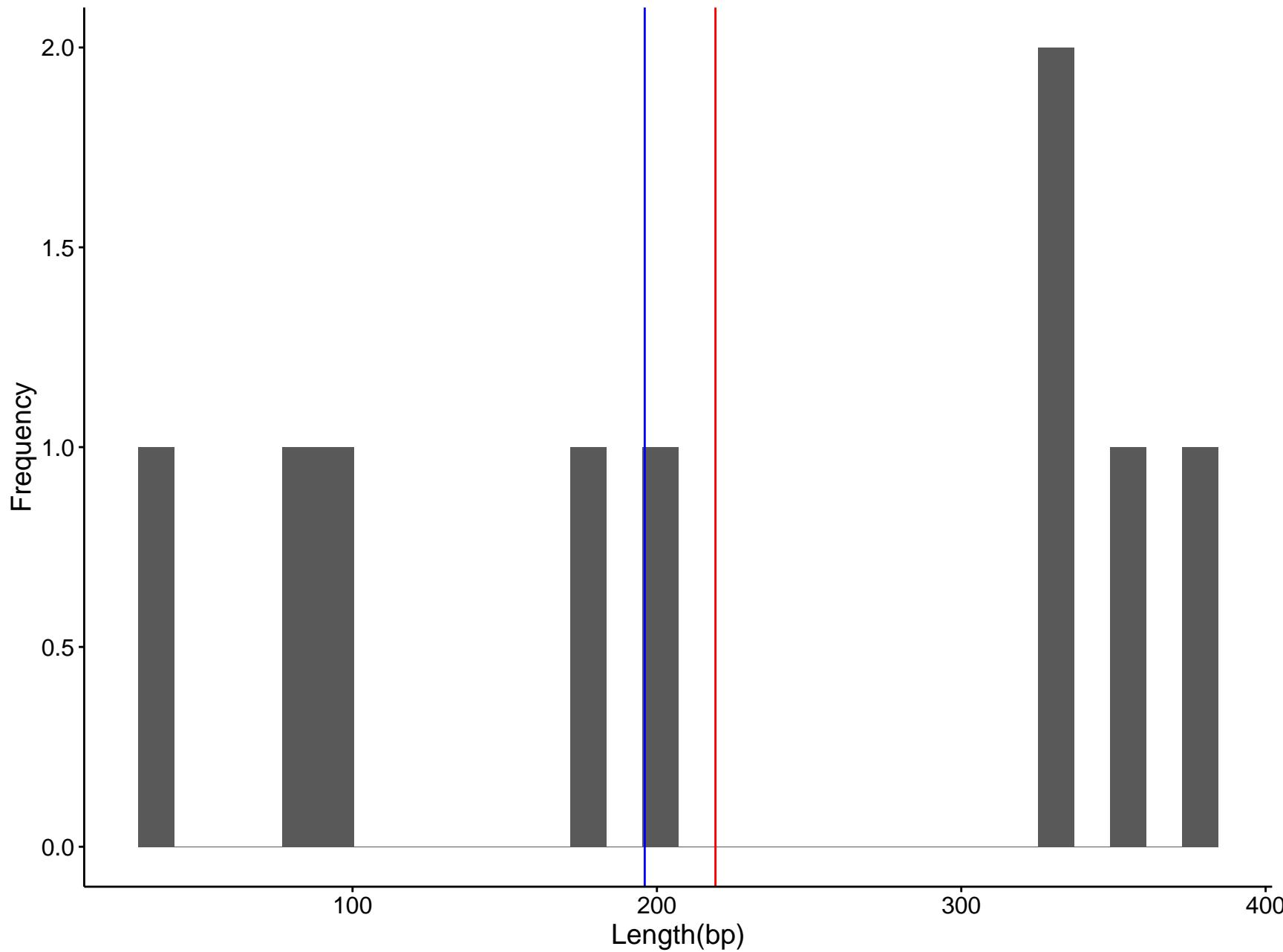
Cluster3198



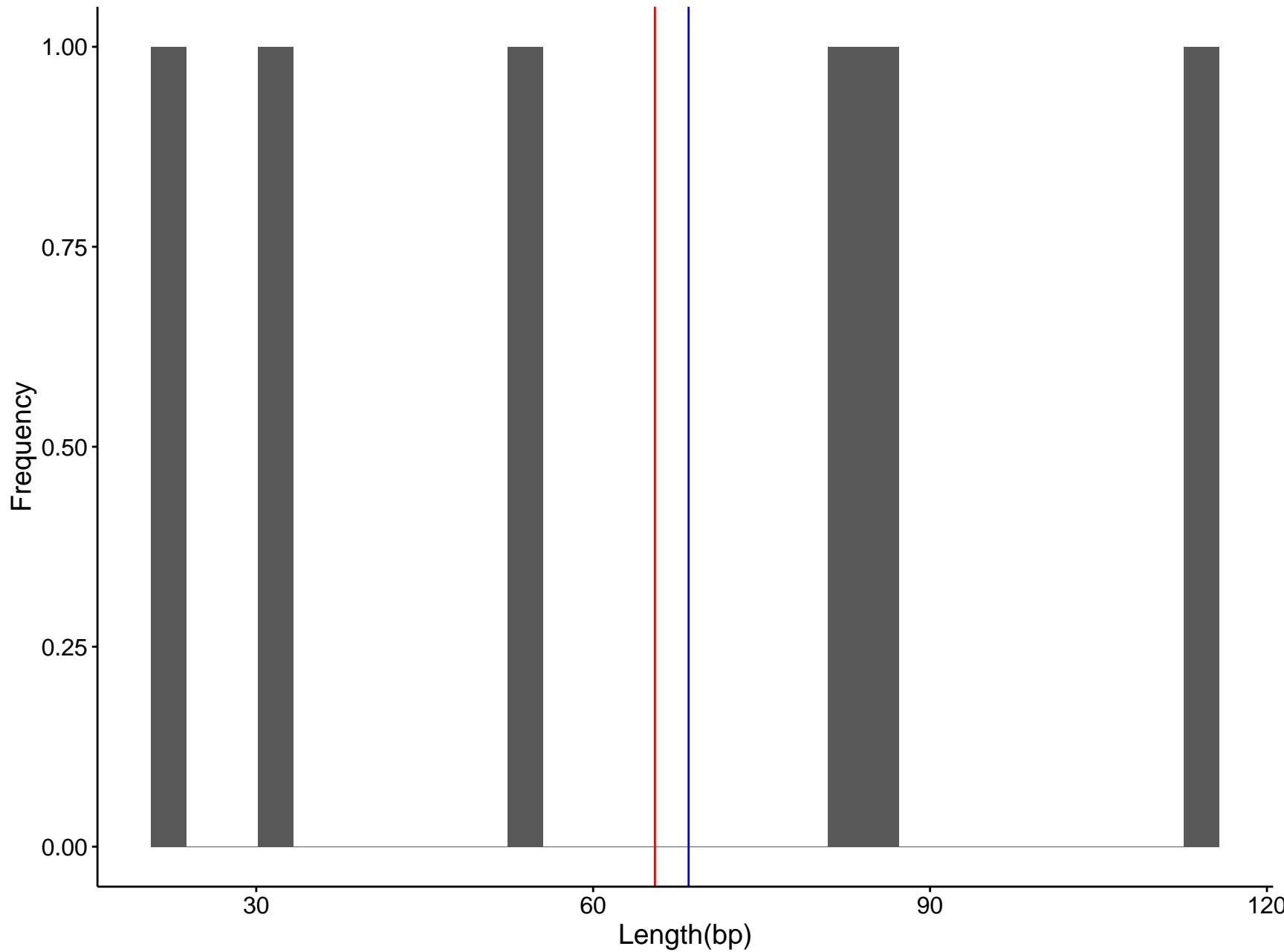
Cluster3199



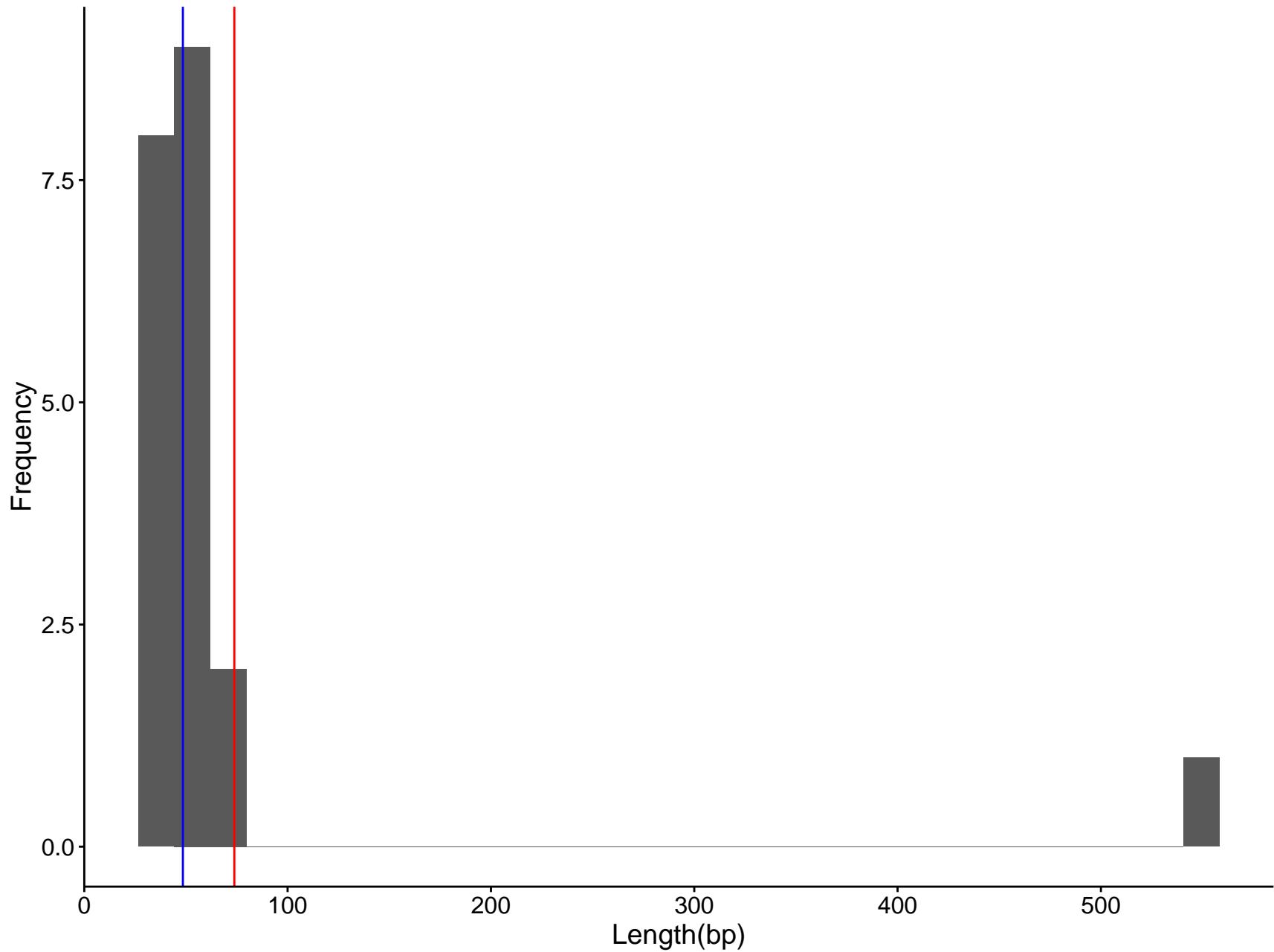
Cluster319



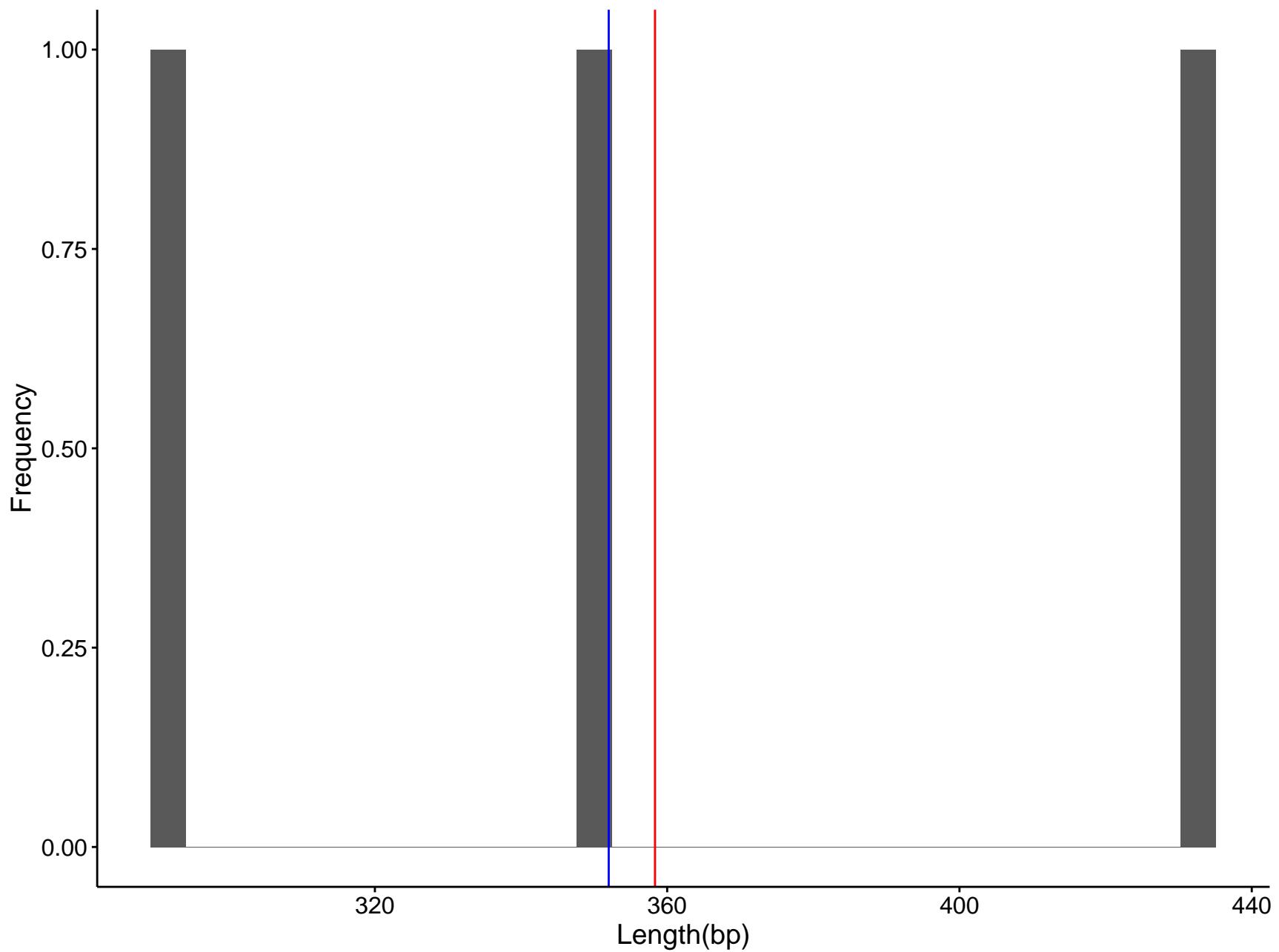
Cluster31



Cluster3202



Cluster3203



Cluster3205

Frequency

434.950

434.975

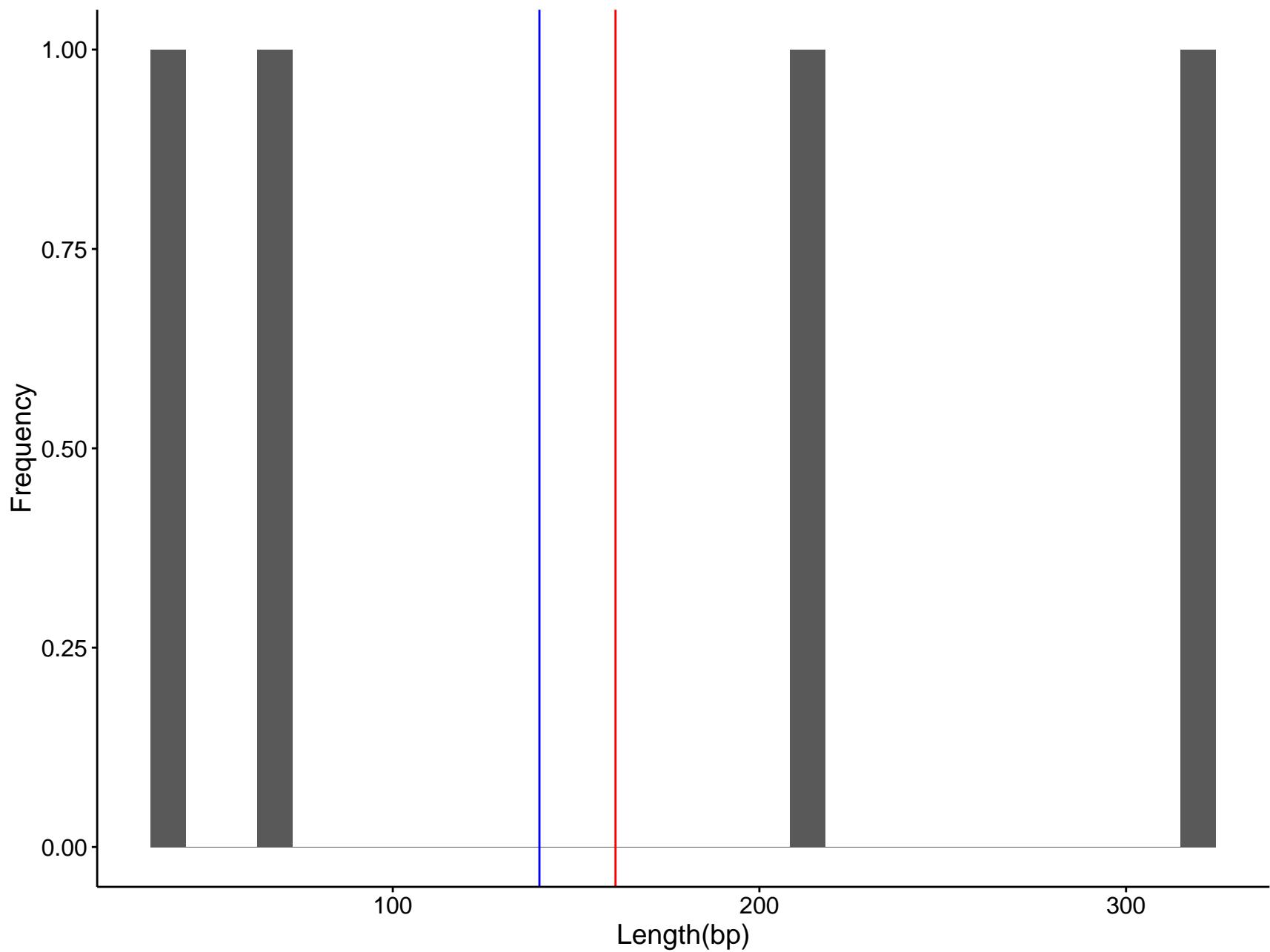
435.000

435.025

Length(bp)



Cluster3206



Cluster3208

Frequency

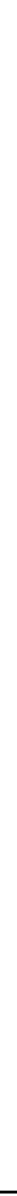
559.950

559.975

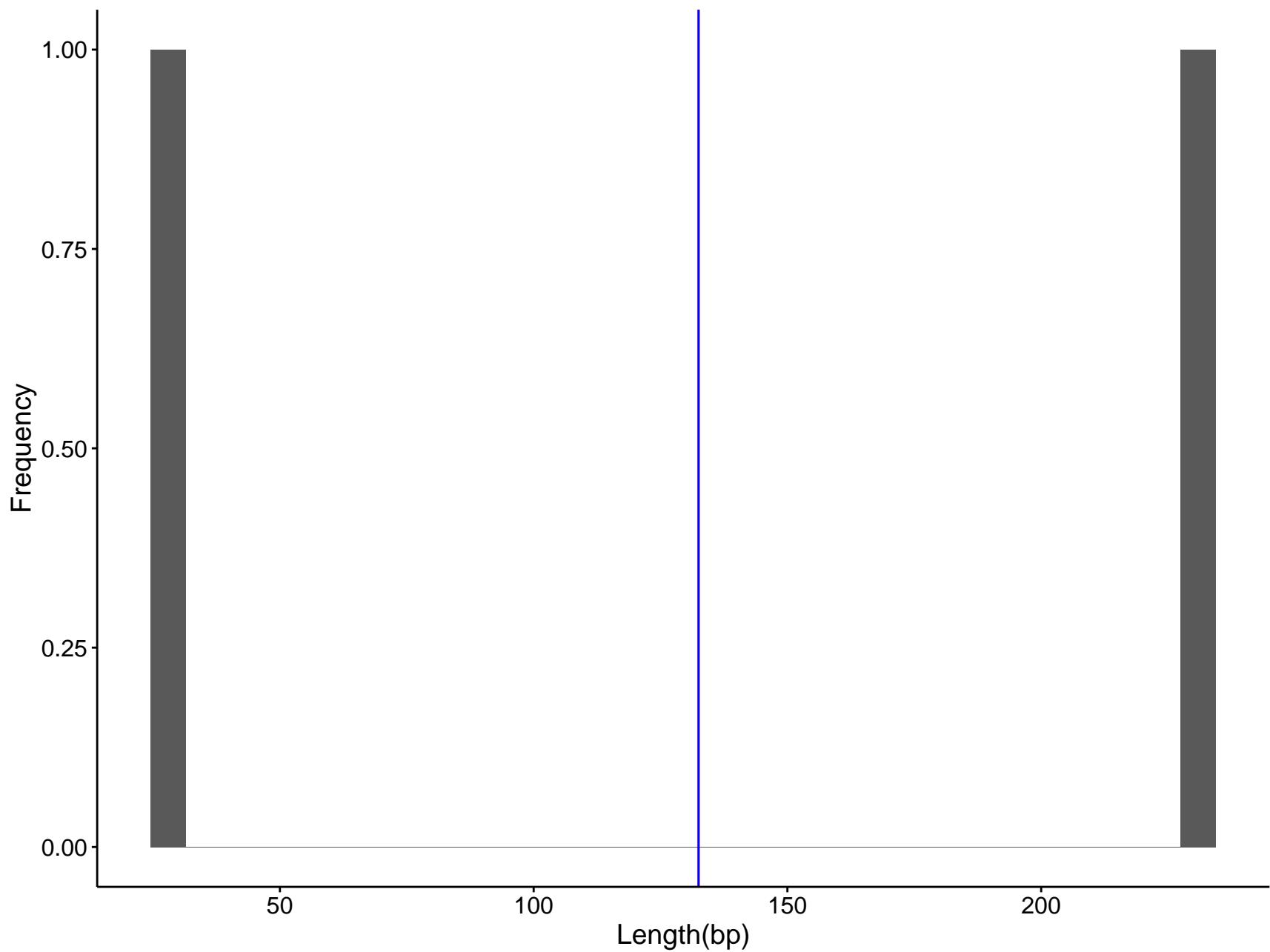
560.000

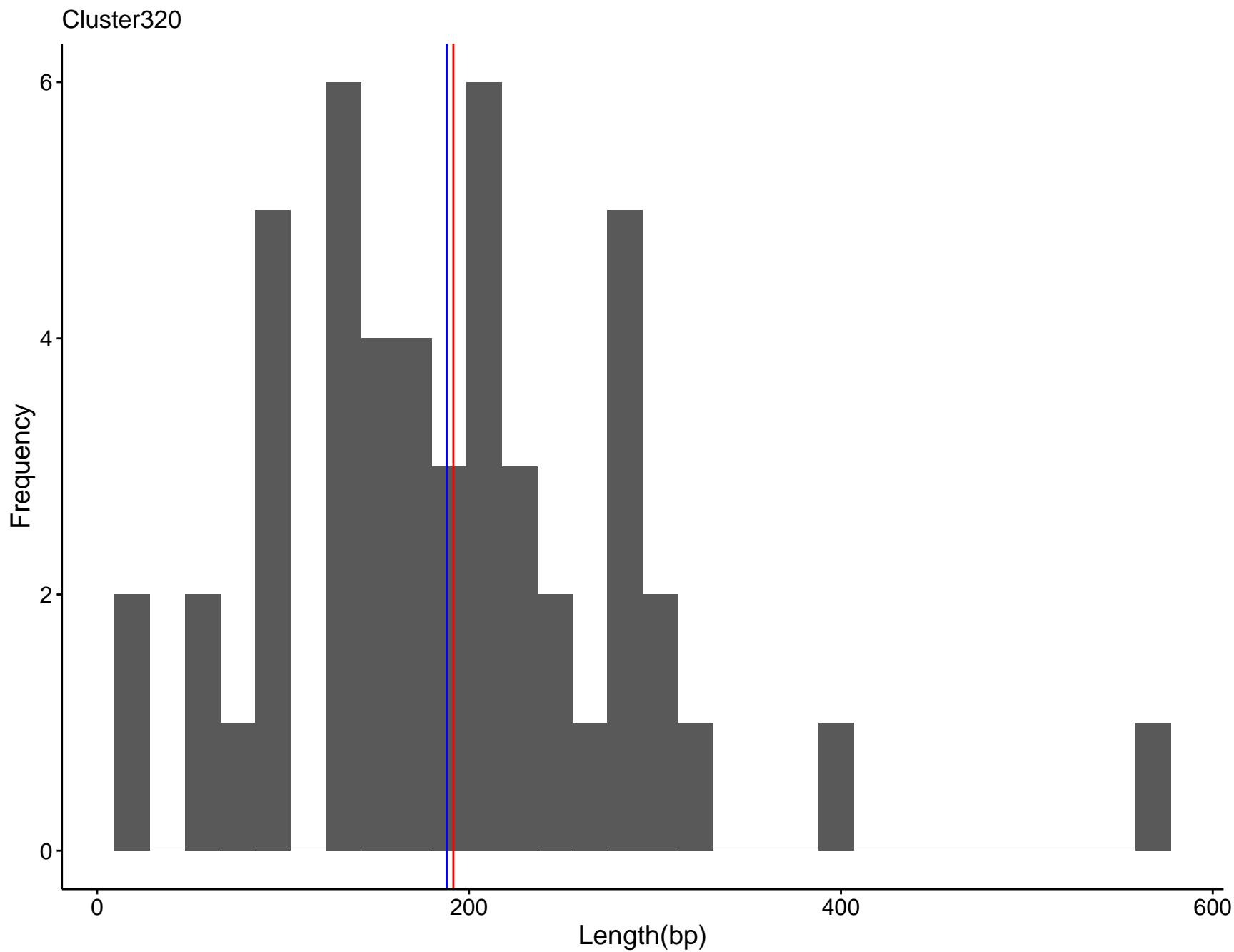
560.025

Length(bp)



Cluster3209





Cluster3210

Frequency

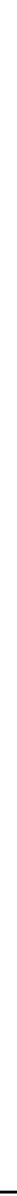
432.950

432.975

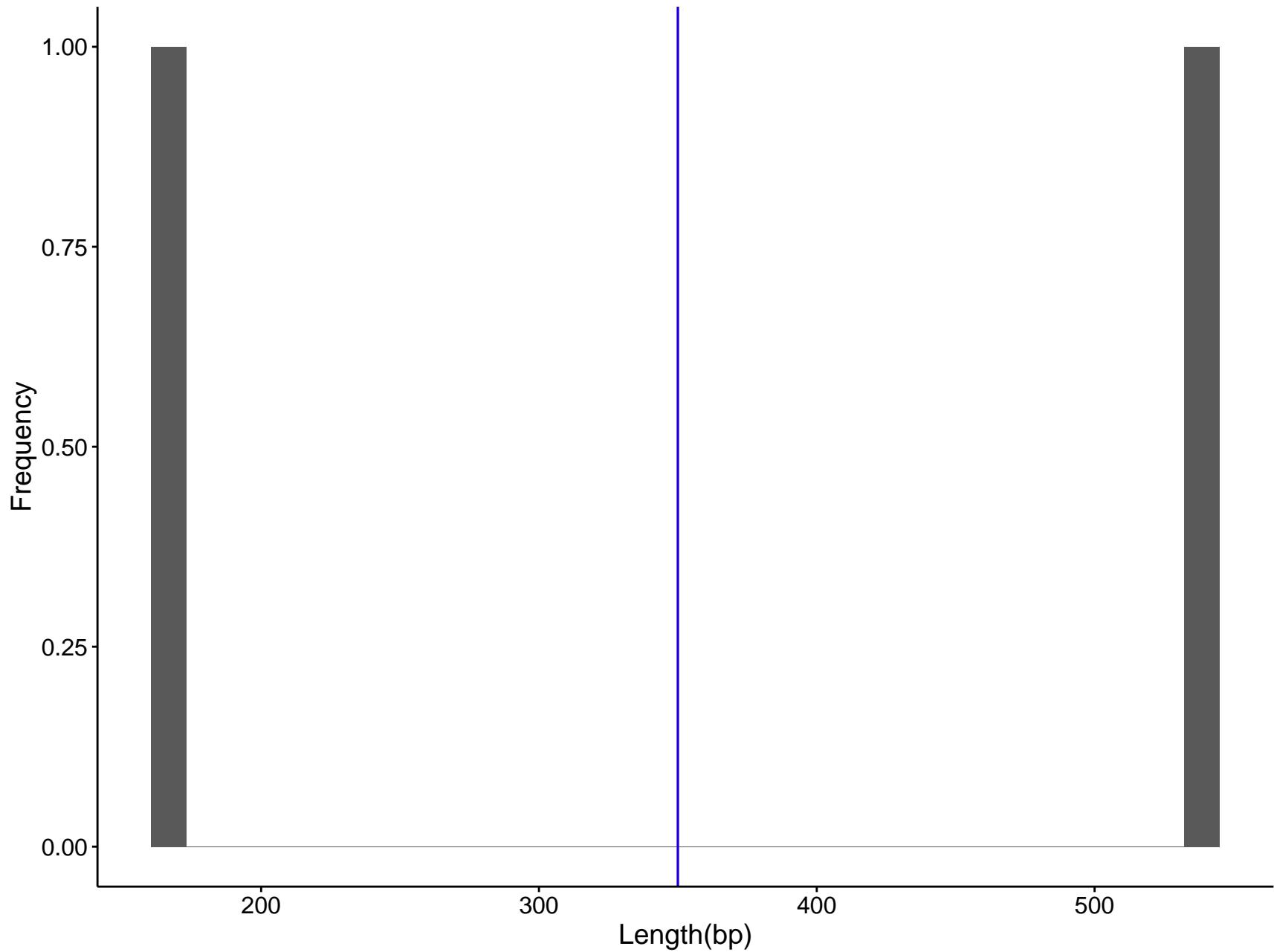
433.000

433.025

Length(bp)



Cluster3211



Cluster3214

Frequency

278.950

278.975

279.000

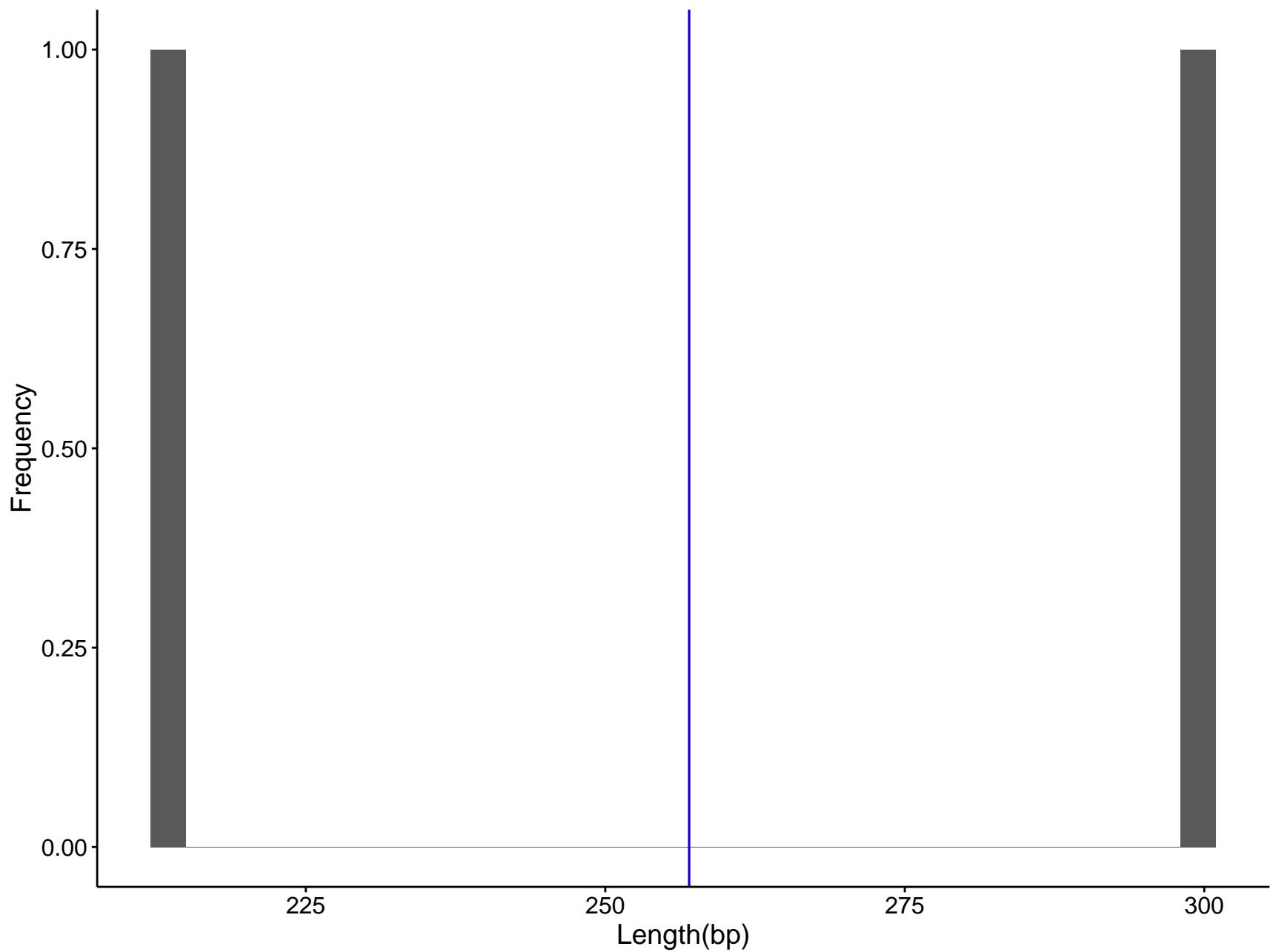
279.025

279.050

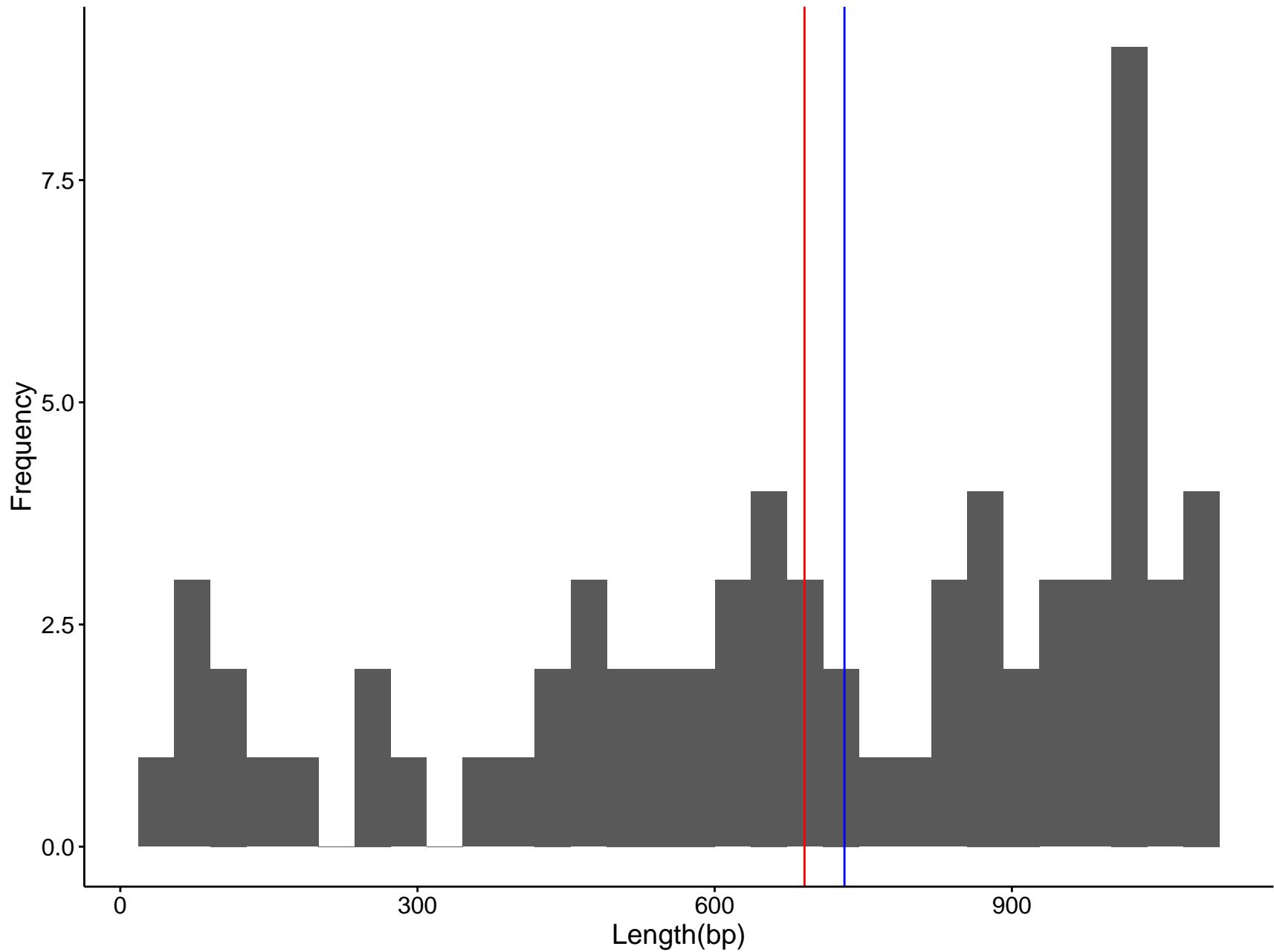
Length(bp)



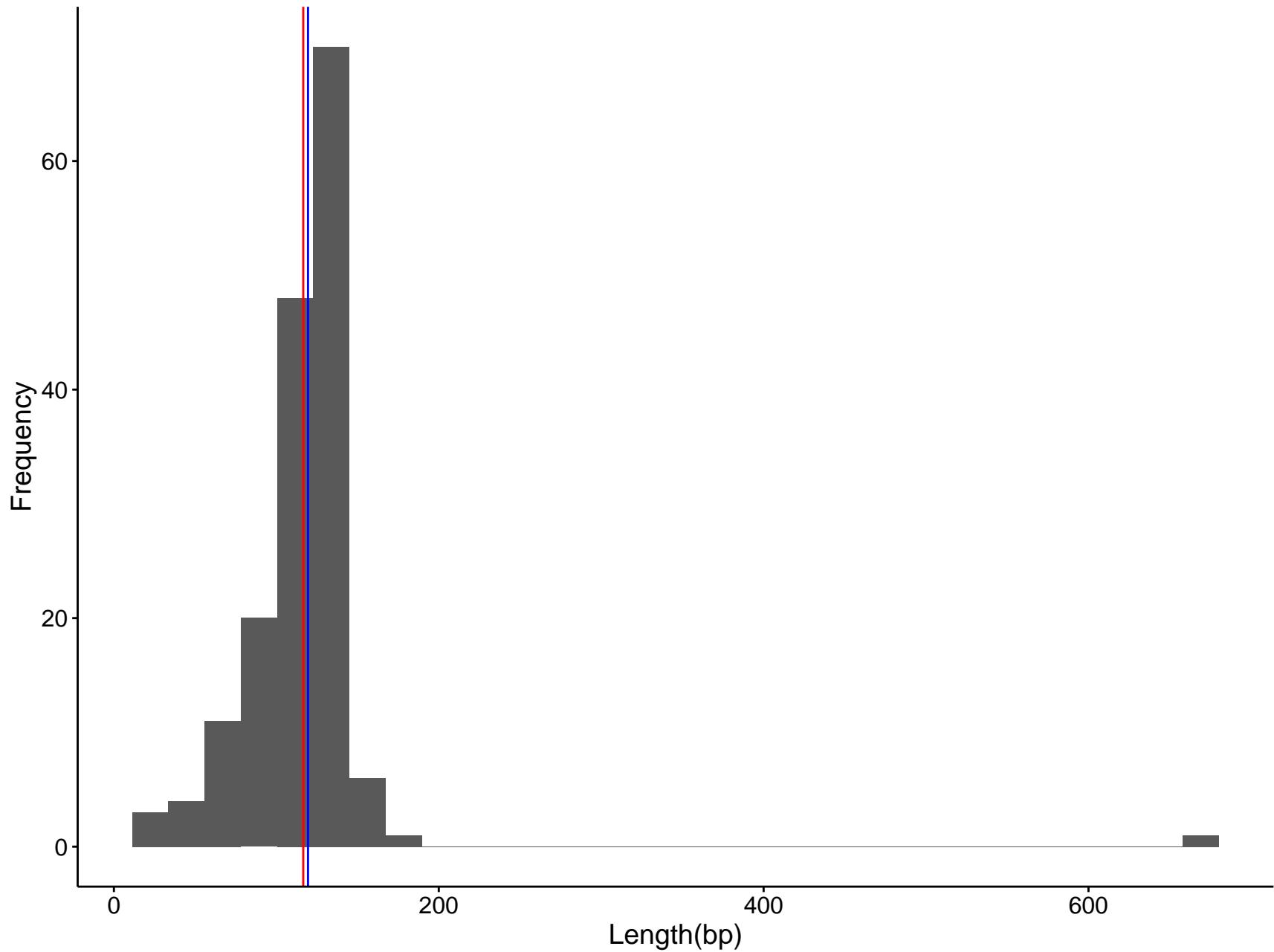
Cluster3215



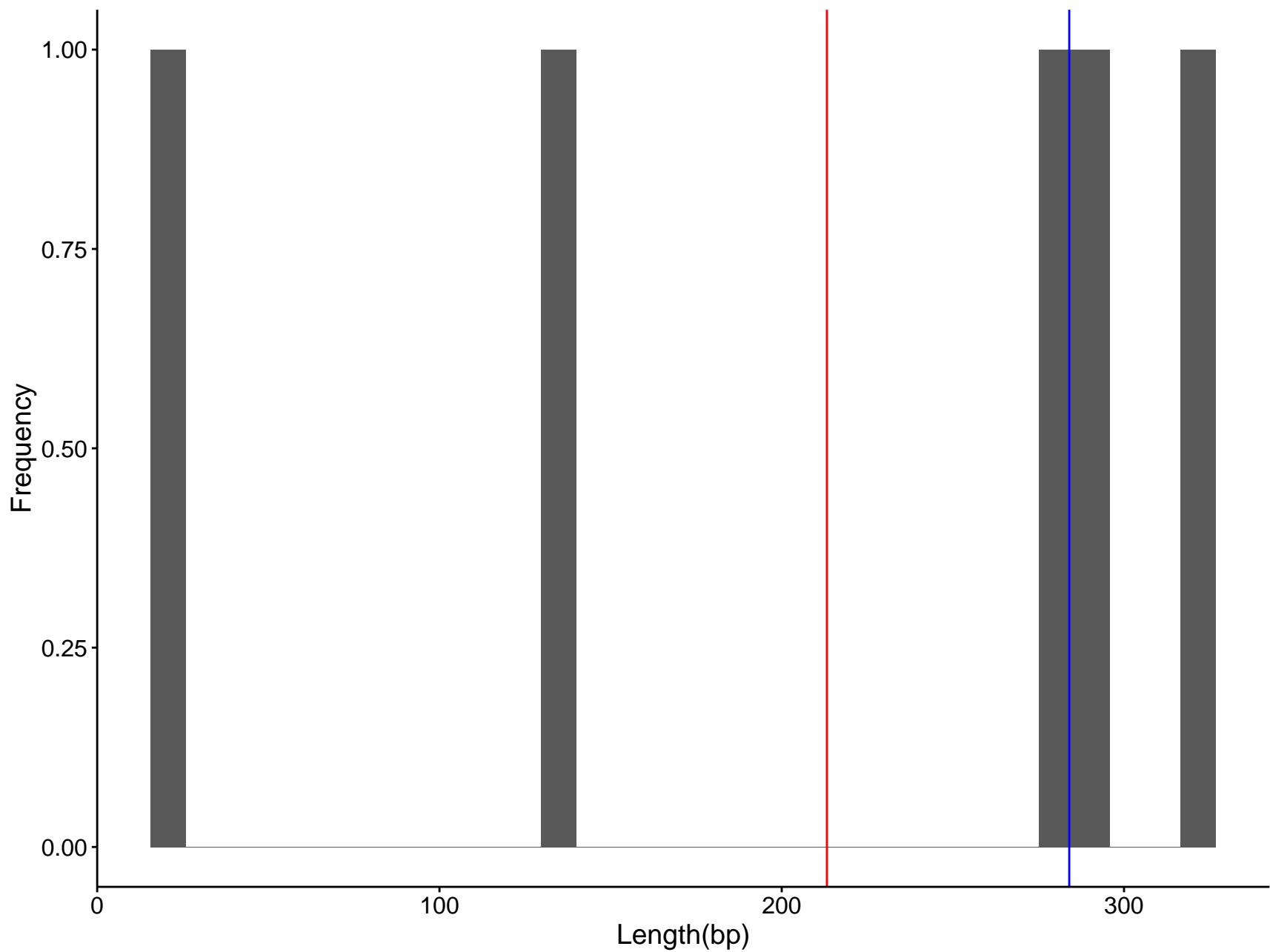
Cluster3216



Cluster3217



Cluster3218



Cluster3219

Frequency

1511.950

1511.975

1512.000

1512.025

1512.

Length(bp)



# Cluster321

Frequency

400.950

400.975

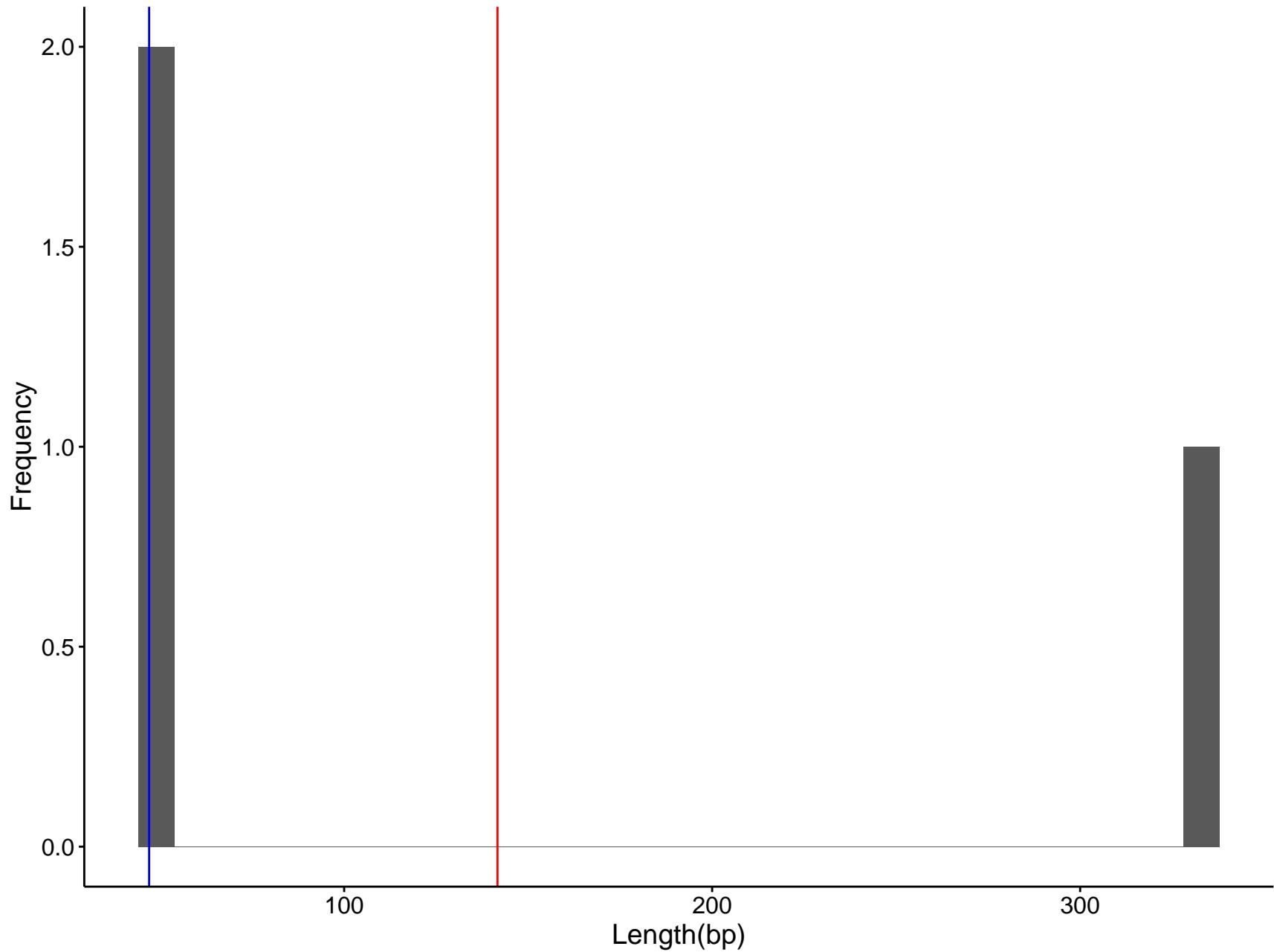
401.000

401.025

Length(bp)



Cluster3220



Cluster3221

Frequency

985.950

985.975

986.000

986.025

Length(bp)



Cluster3223

Frequency

349.950

349.975

350.000

350.025

Length(bp)



Cluster3224

Frequency

240.950

240.975

241.000

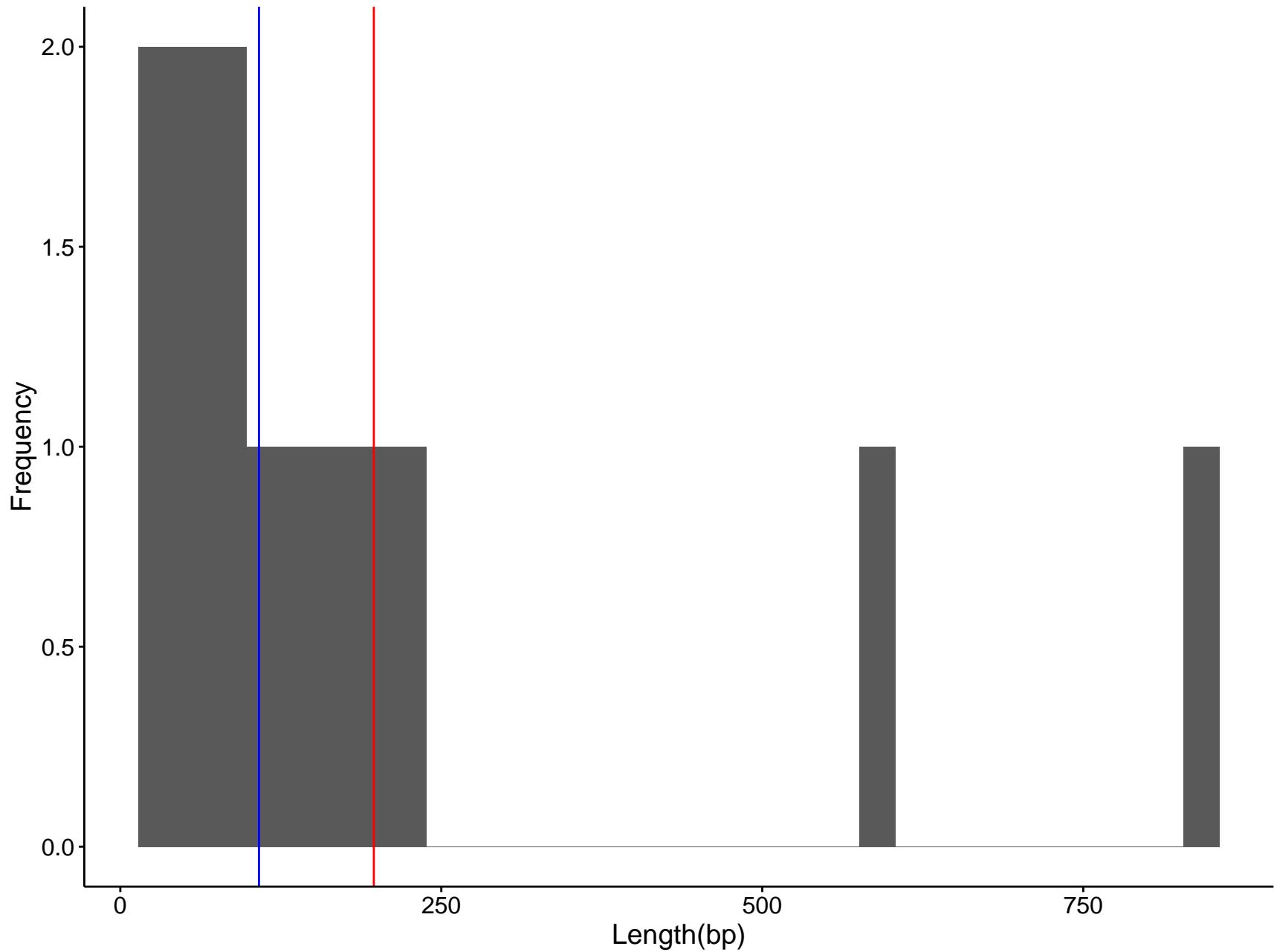
241.025

241.050

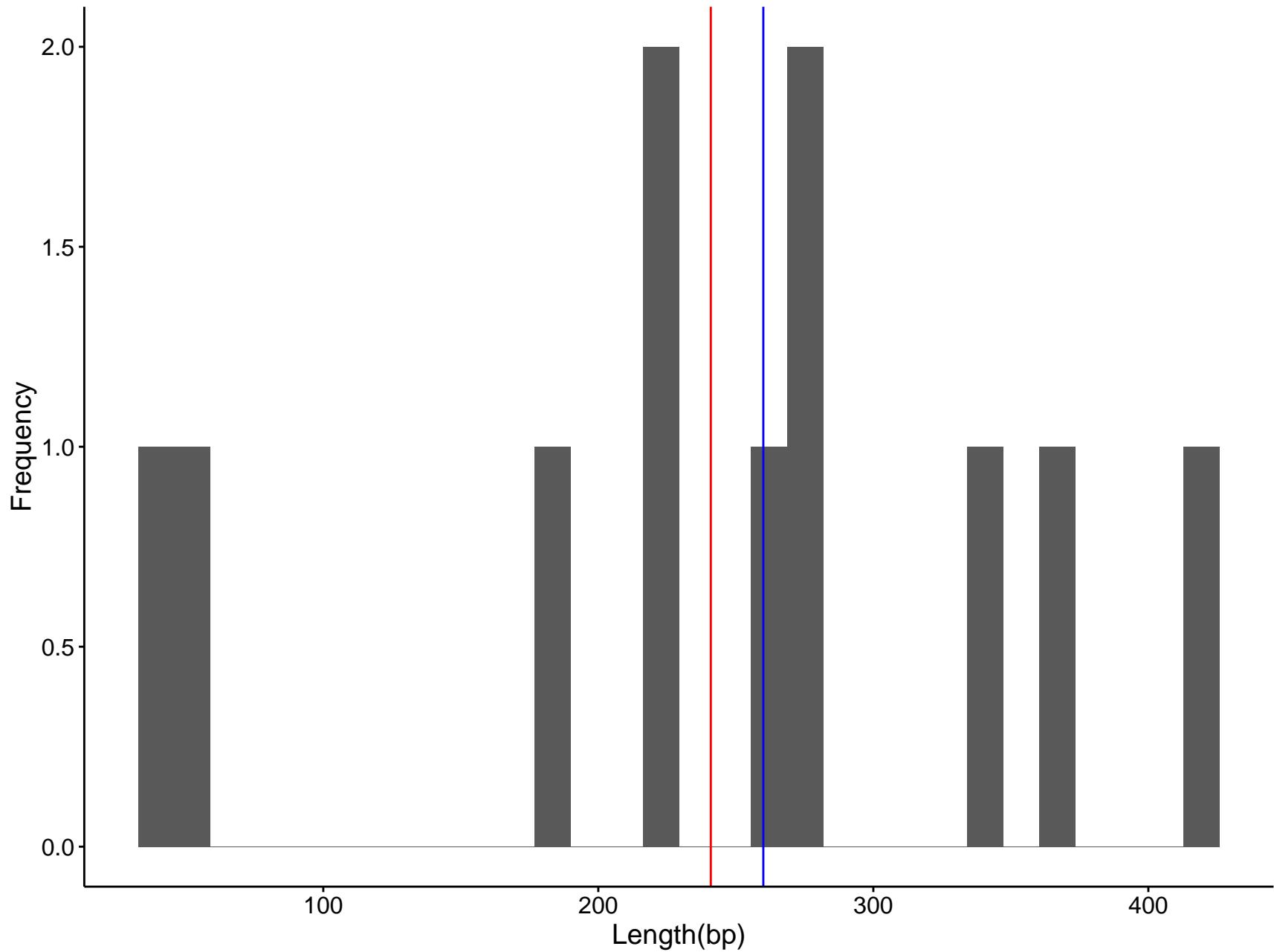
Length(bp)



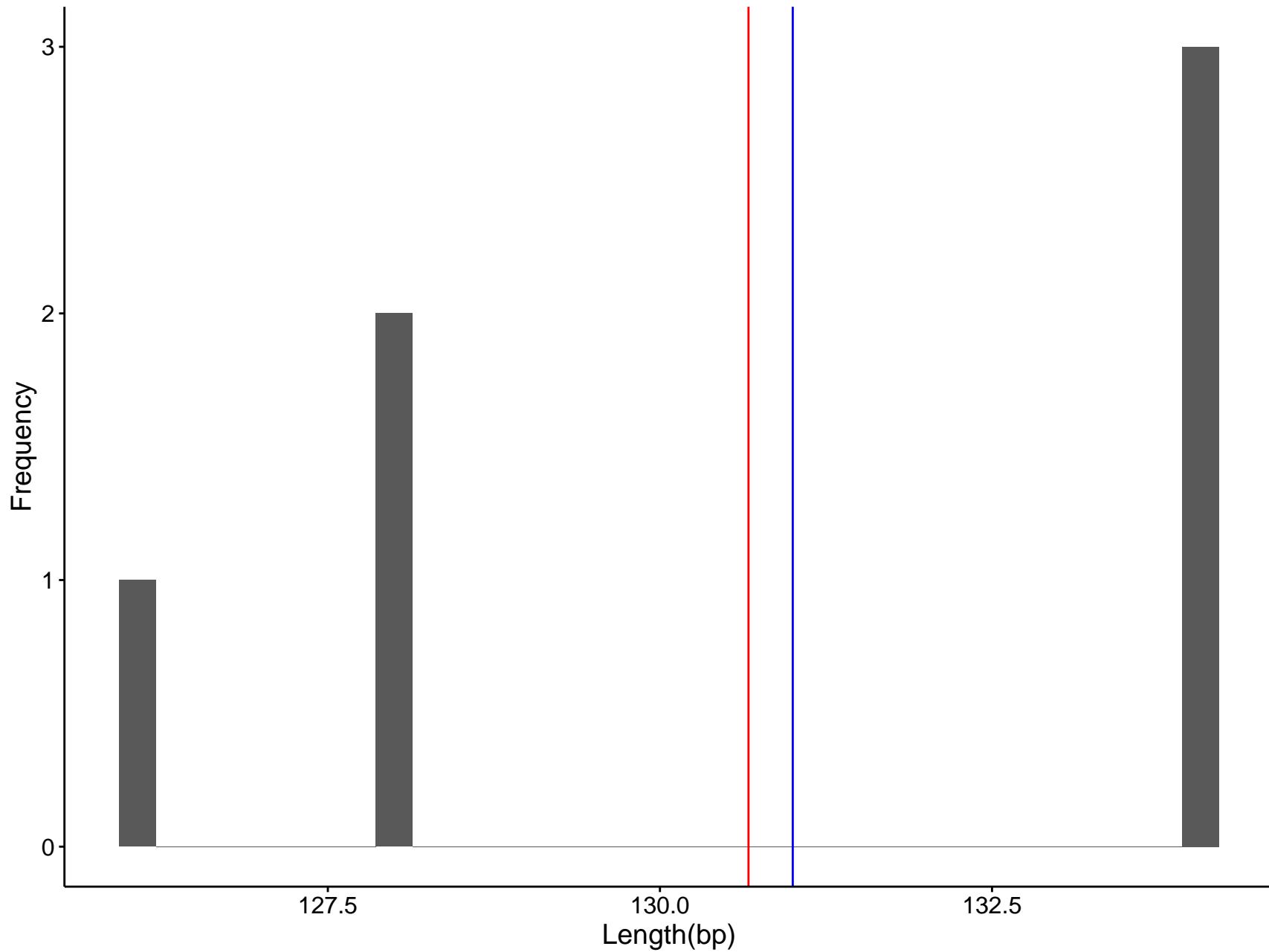
Cluster3226



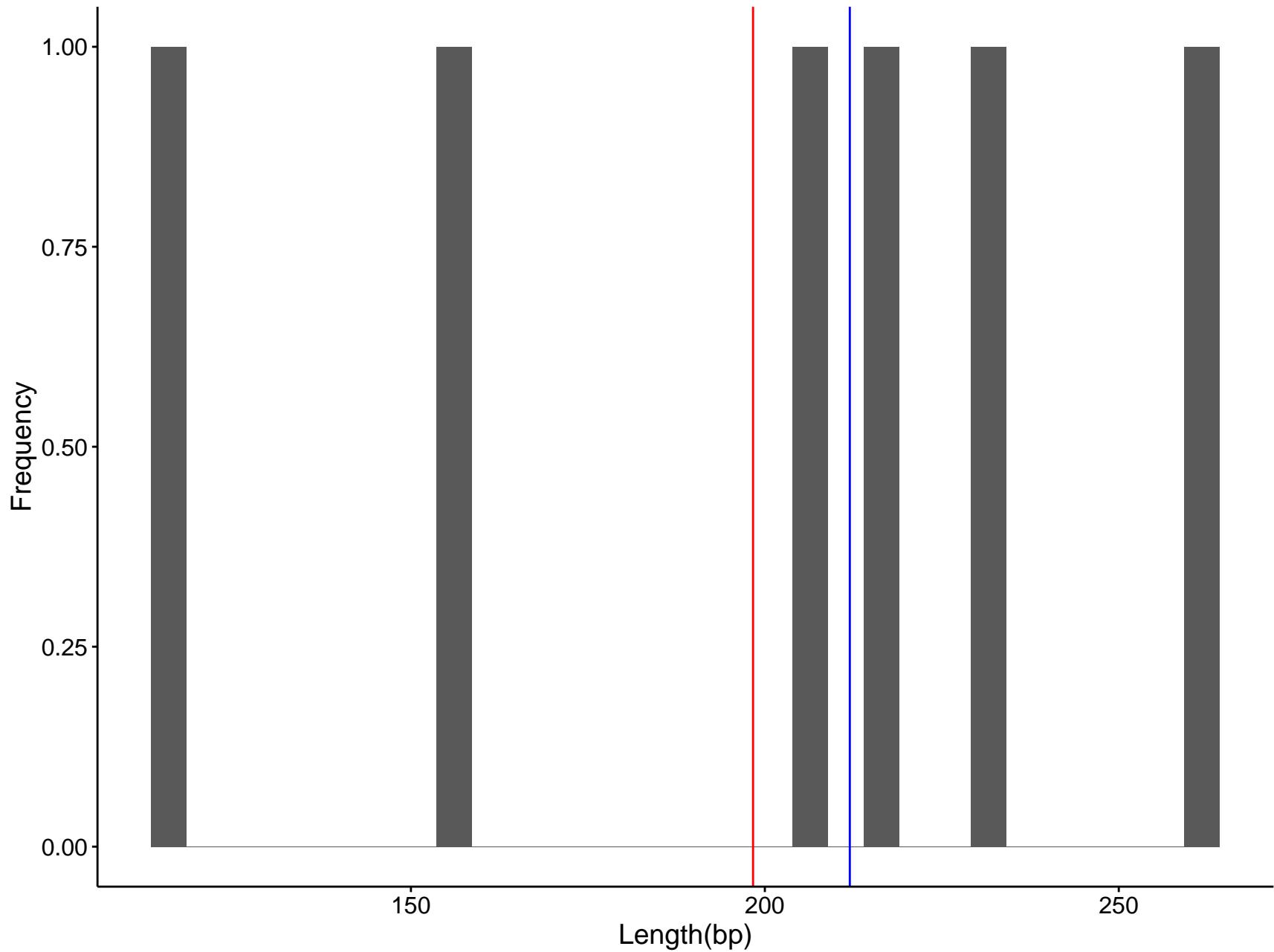
Cluster3232



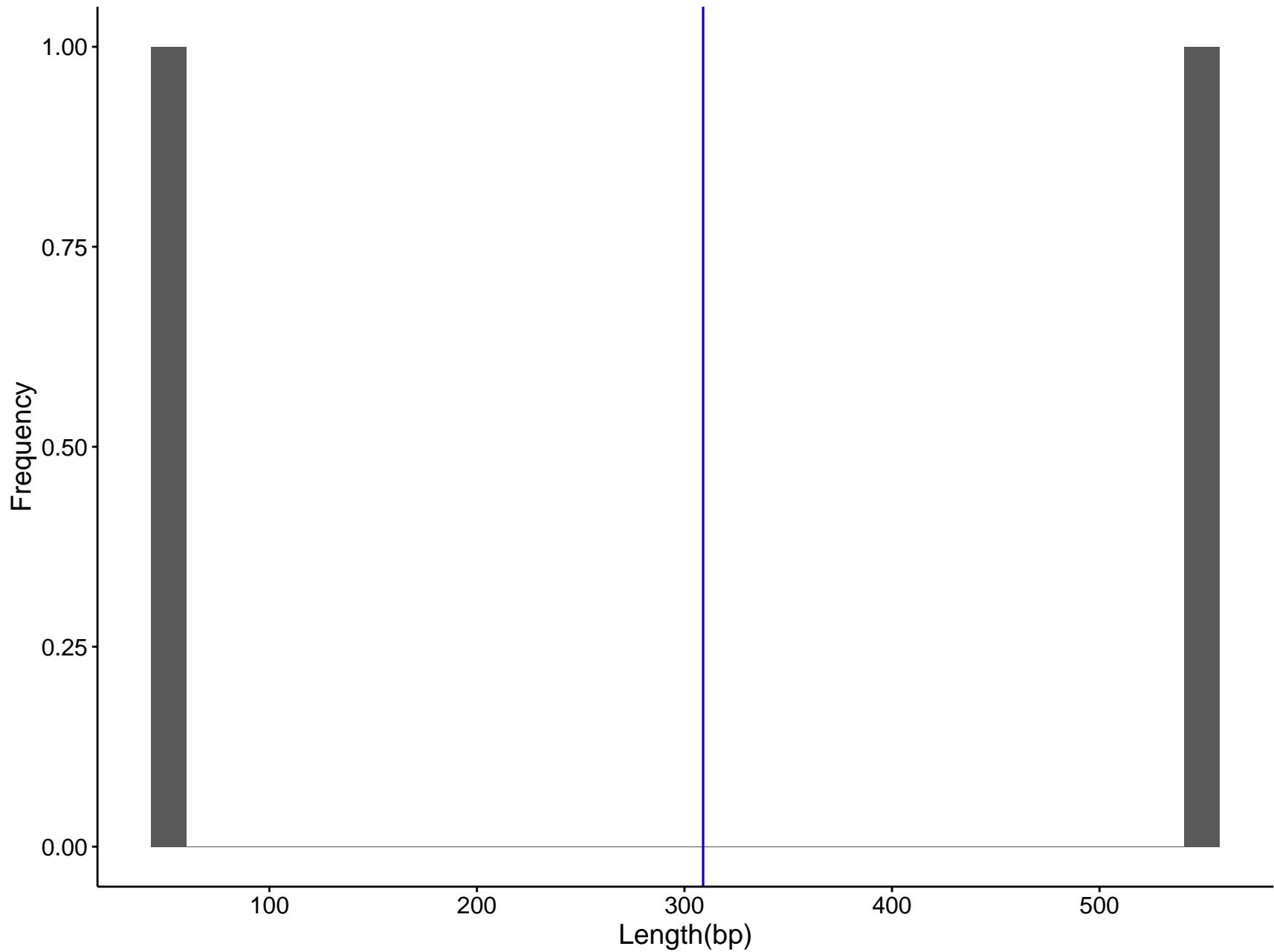
Cluster3233



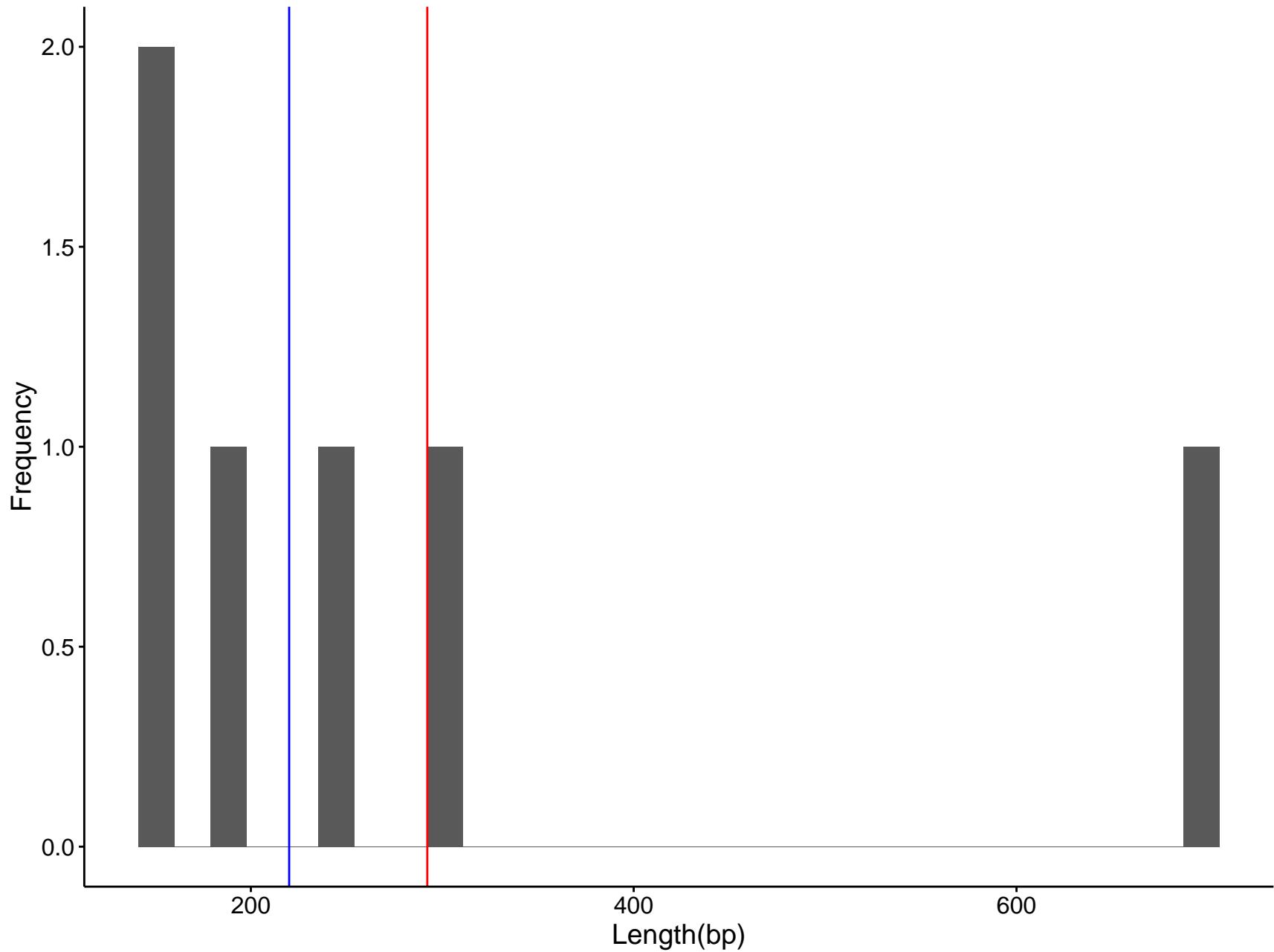
Cluster324



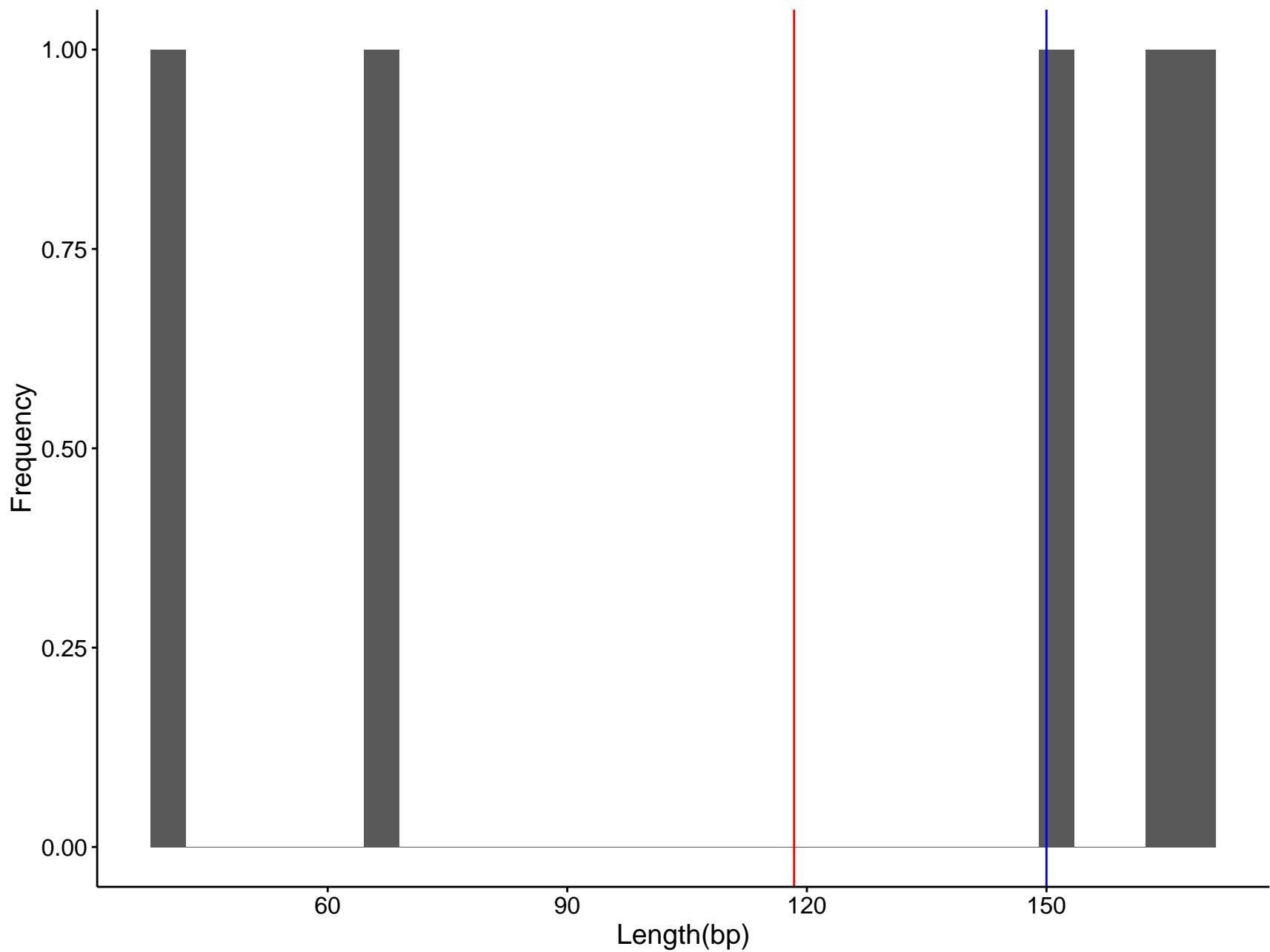
Cluster325



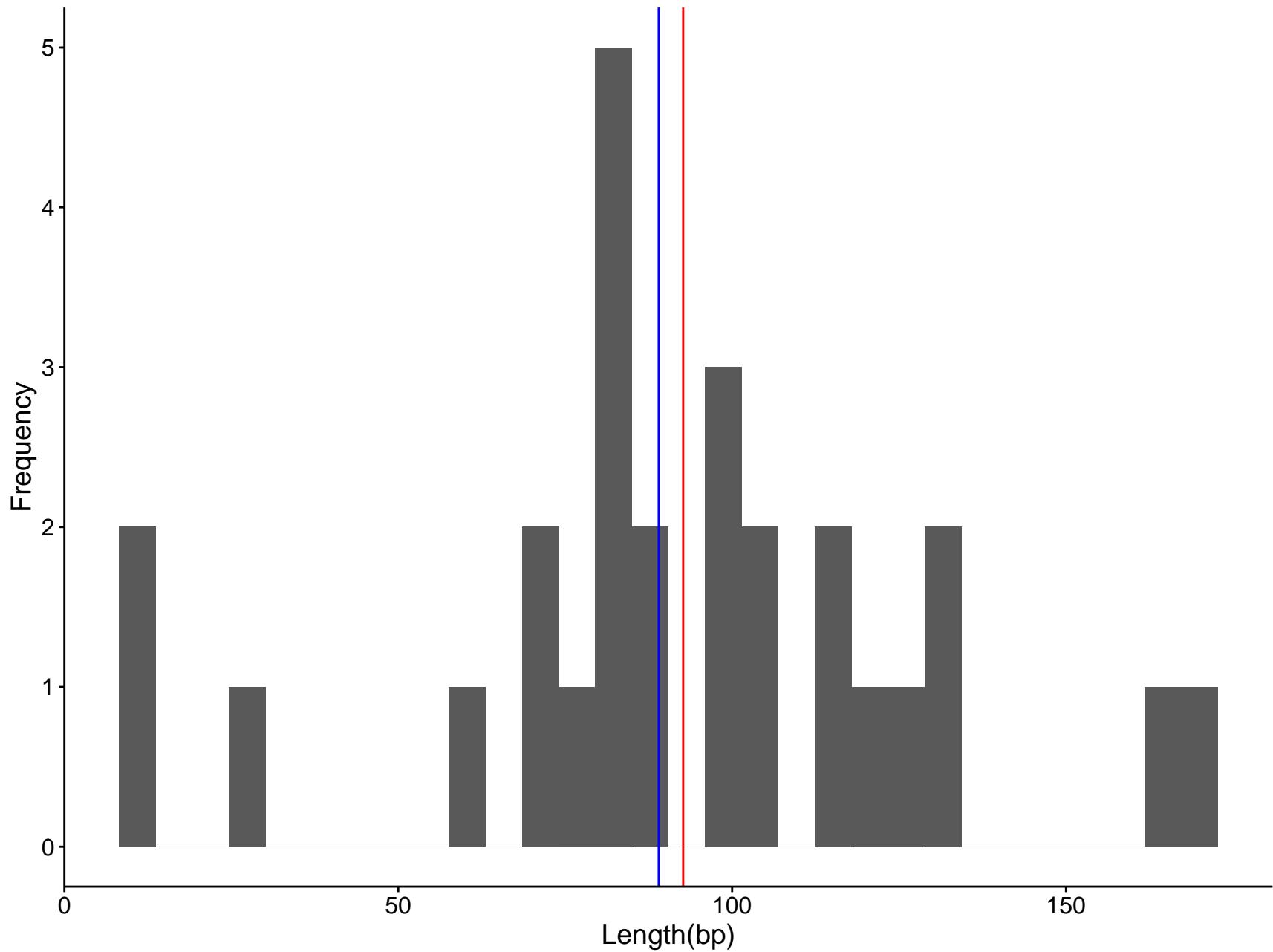
Cluster328



Cluster329



Cluster32



# Cluster333

Frequency

243.950

243.975

244.000

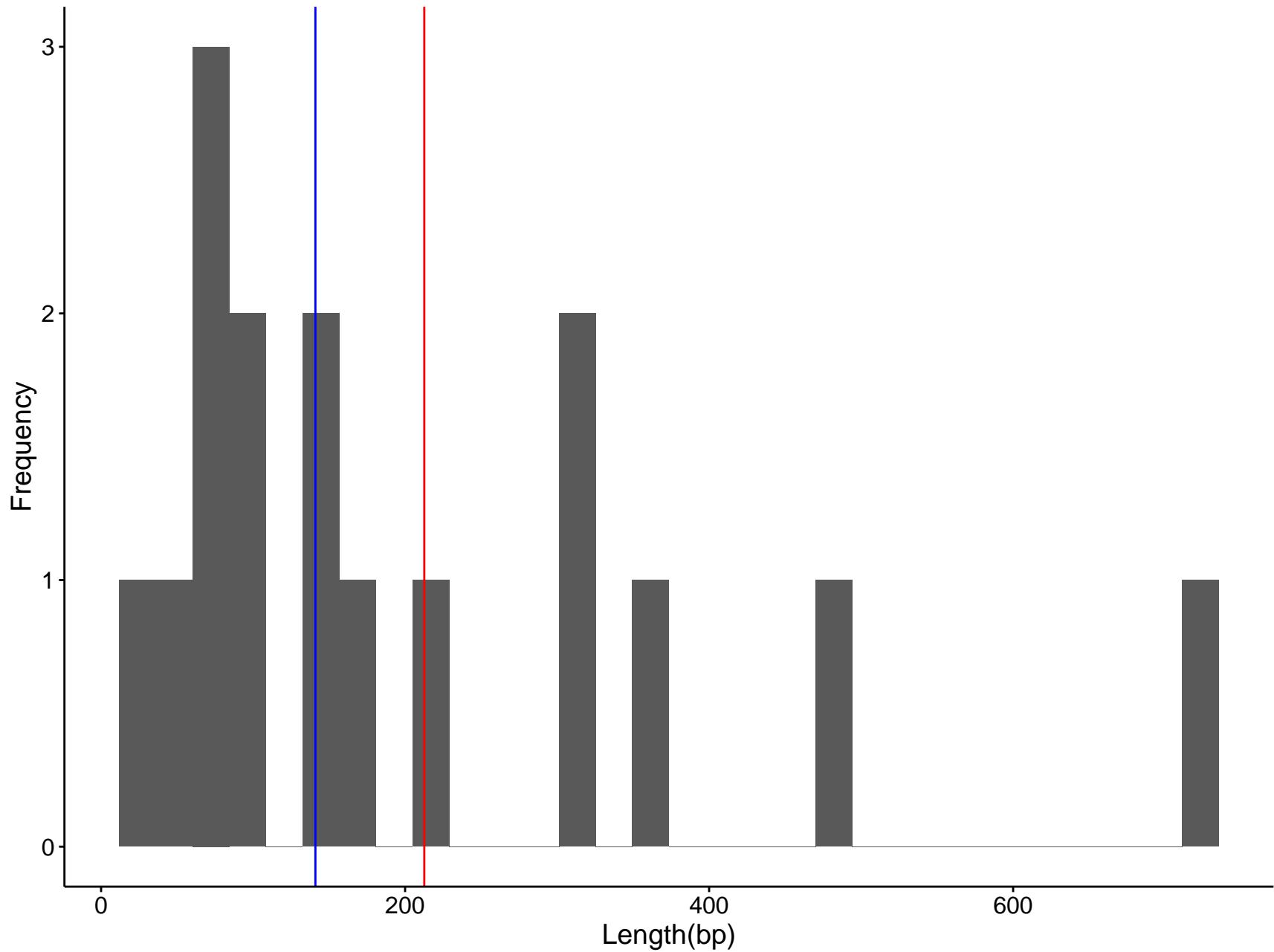
244.025

244.050

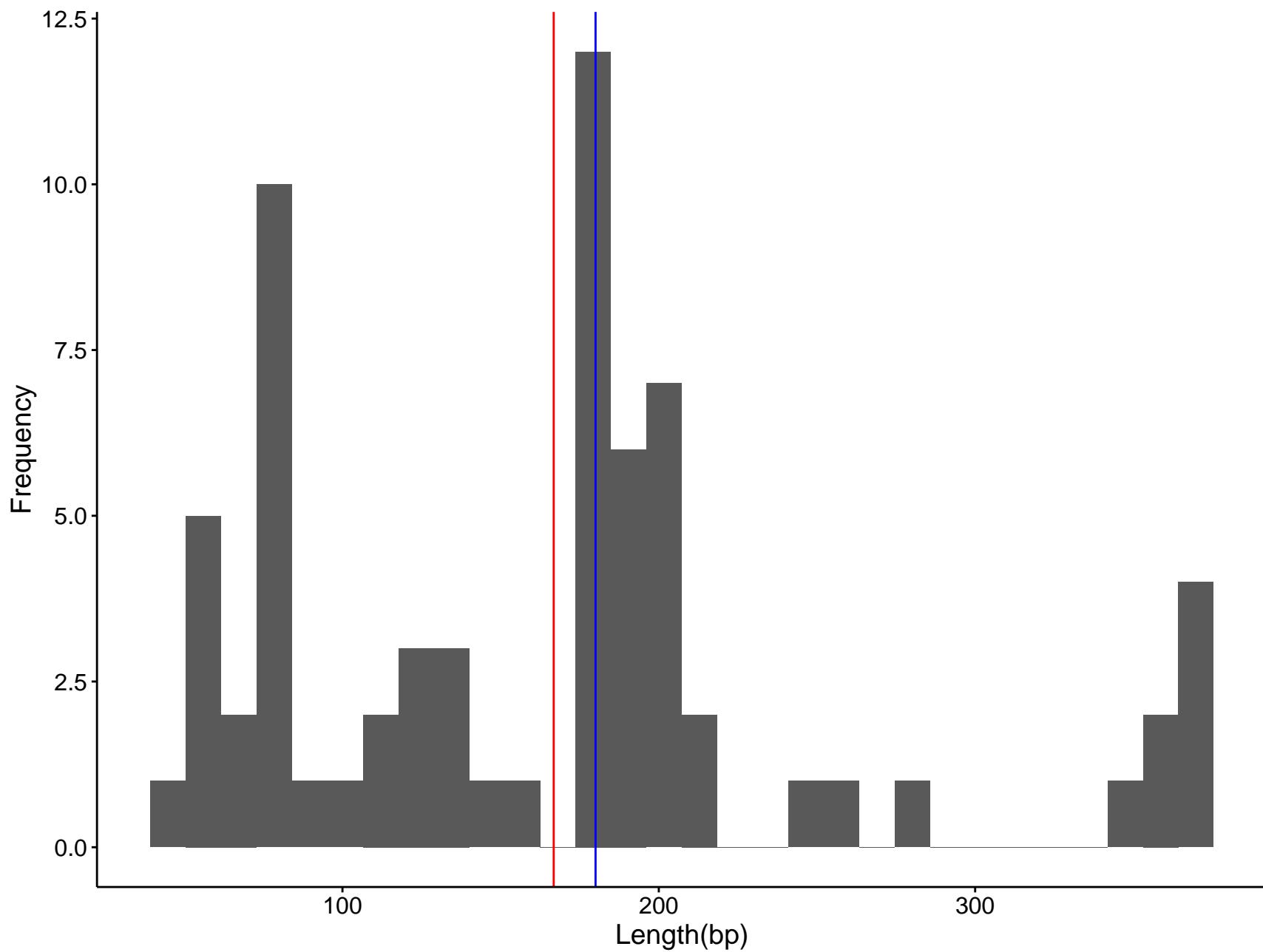
Length(bp)



Cluster338



Cluster33



# Cluster341

Frequency

464.950

464.975

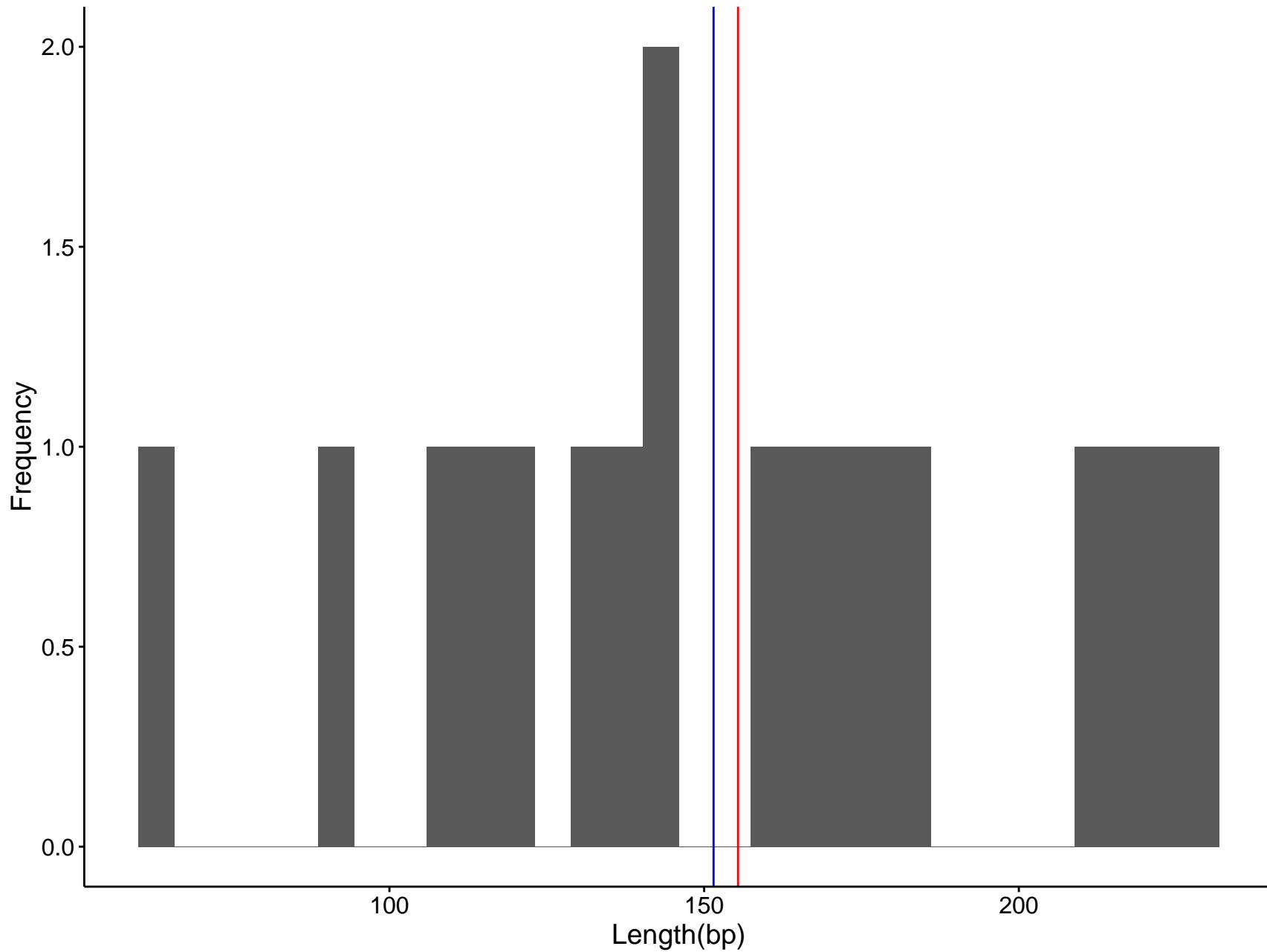
465.000

465.025

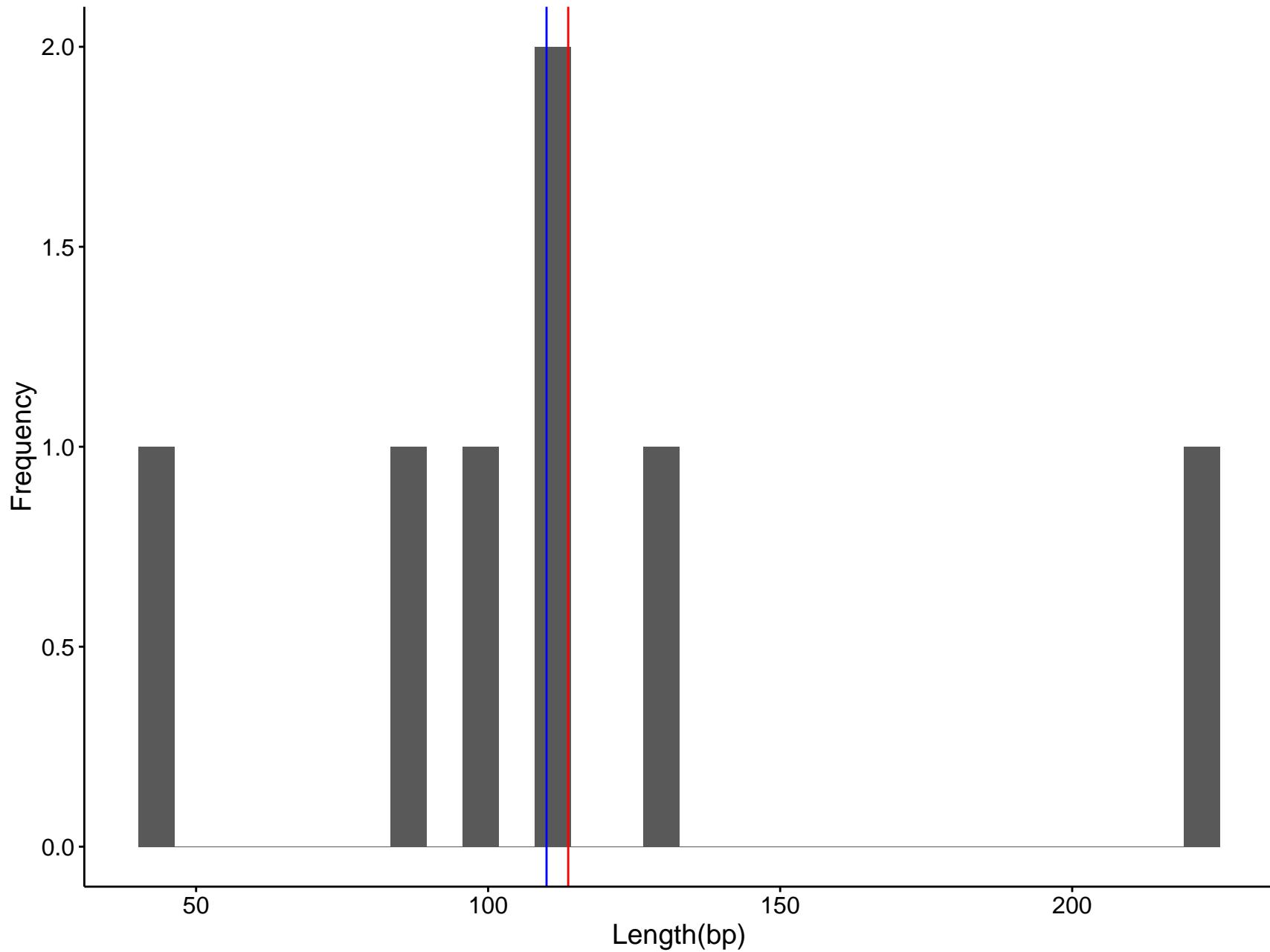
Length(bp)



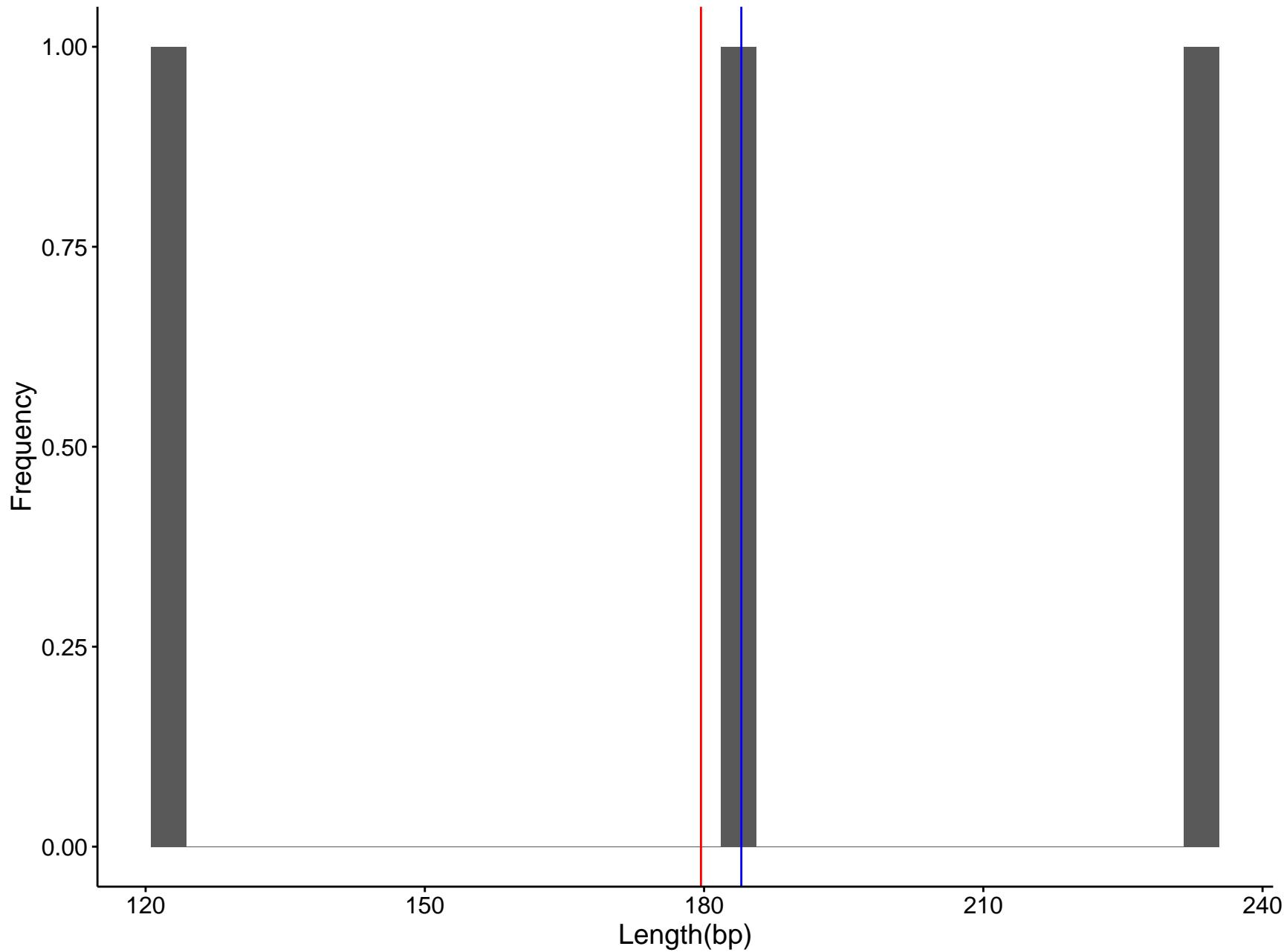
Cluster35



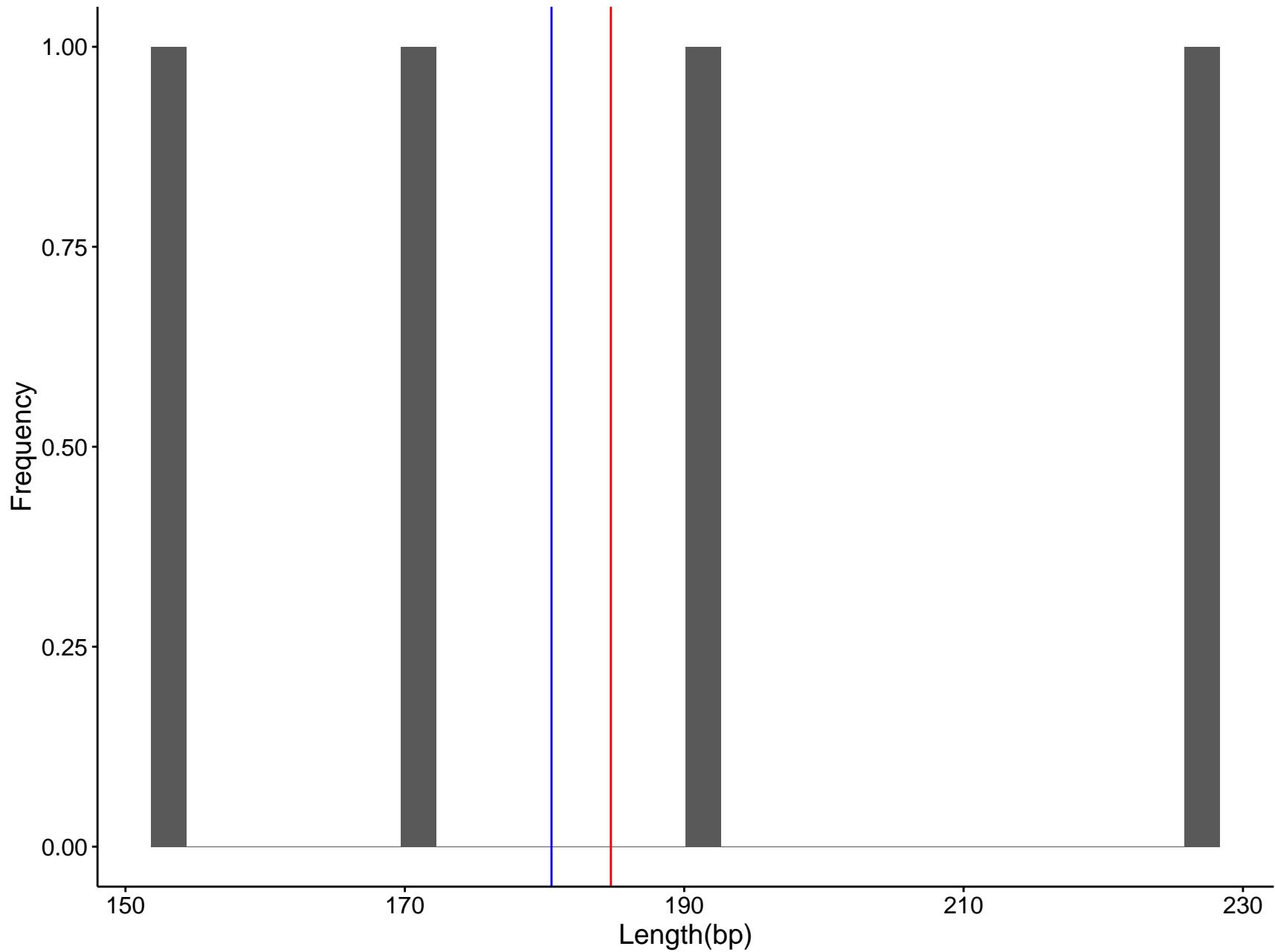
Cluster360



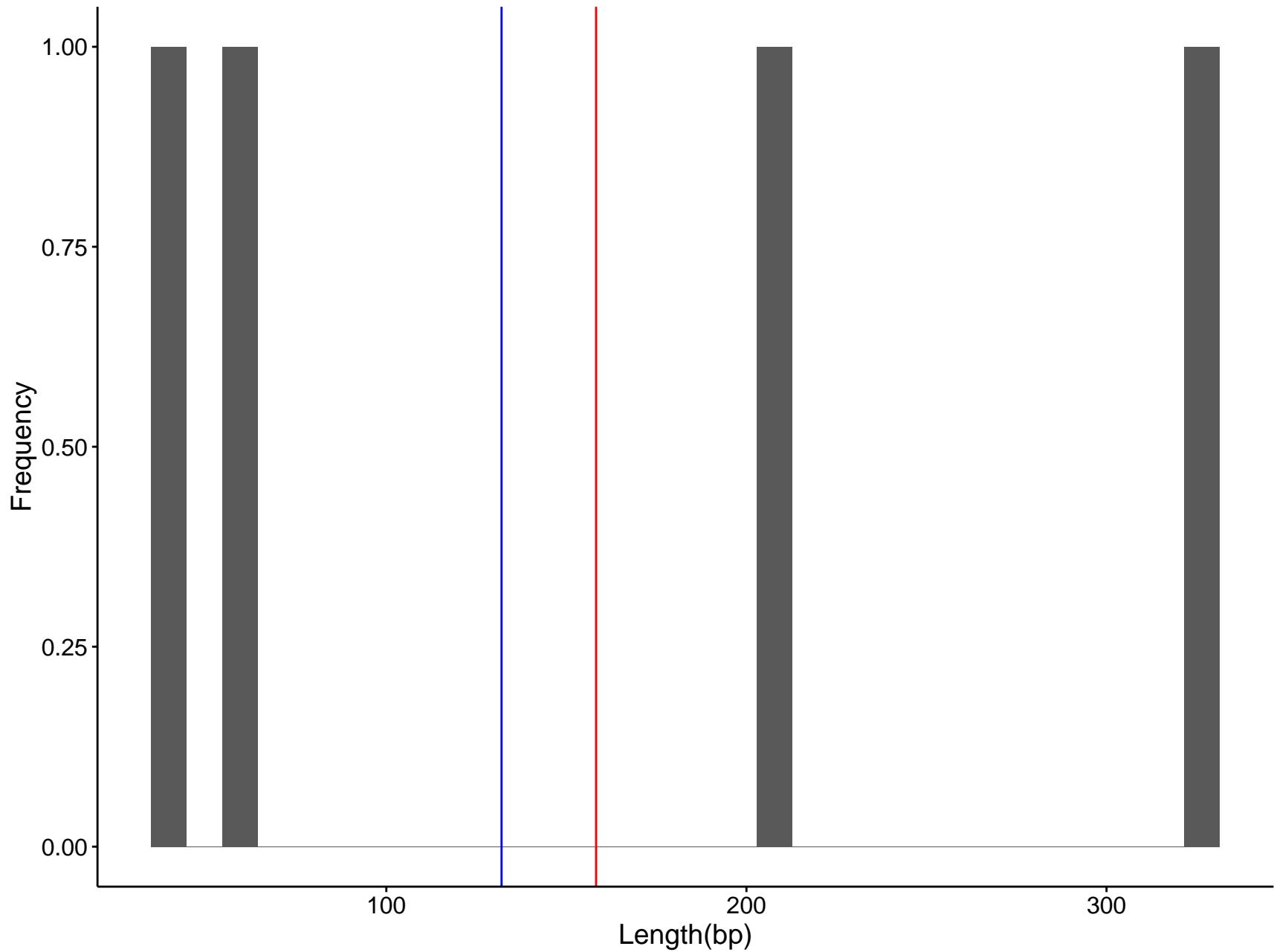
Cluster362



Cluster364



Cluster365



# Cluster371

Frequency

234.950

234.975

235.000

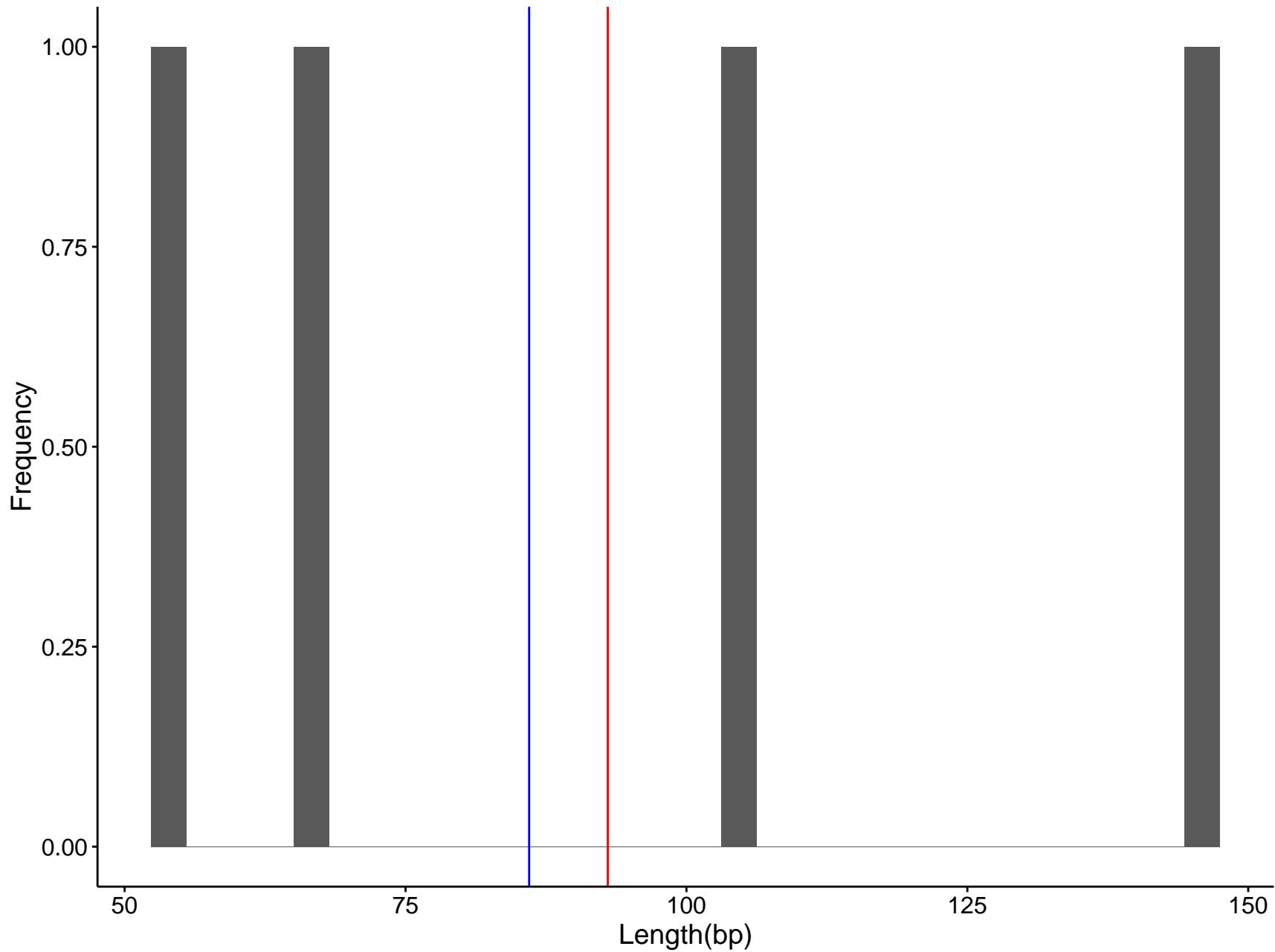
235.025

235.050

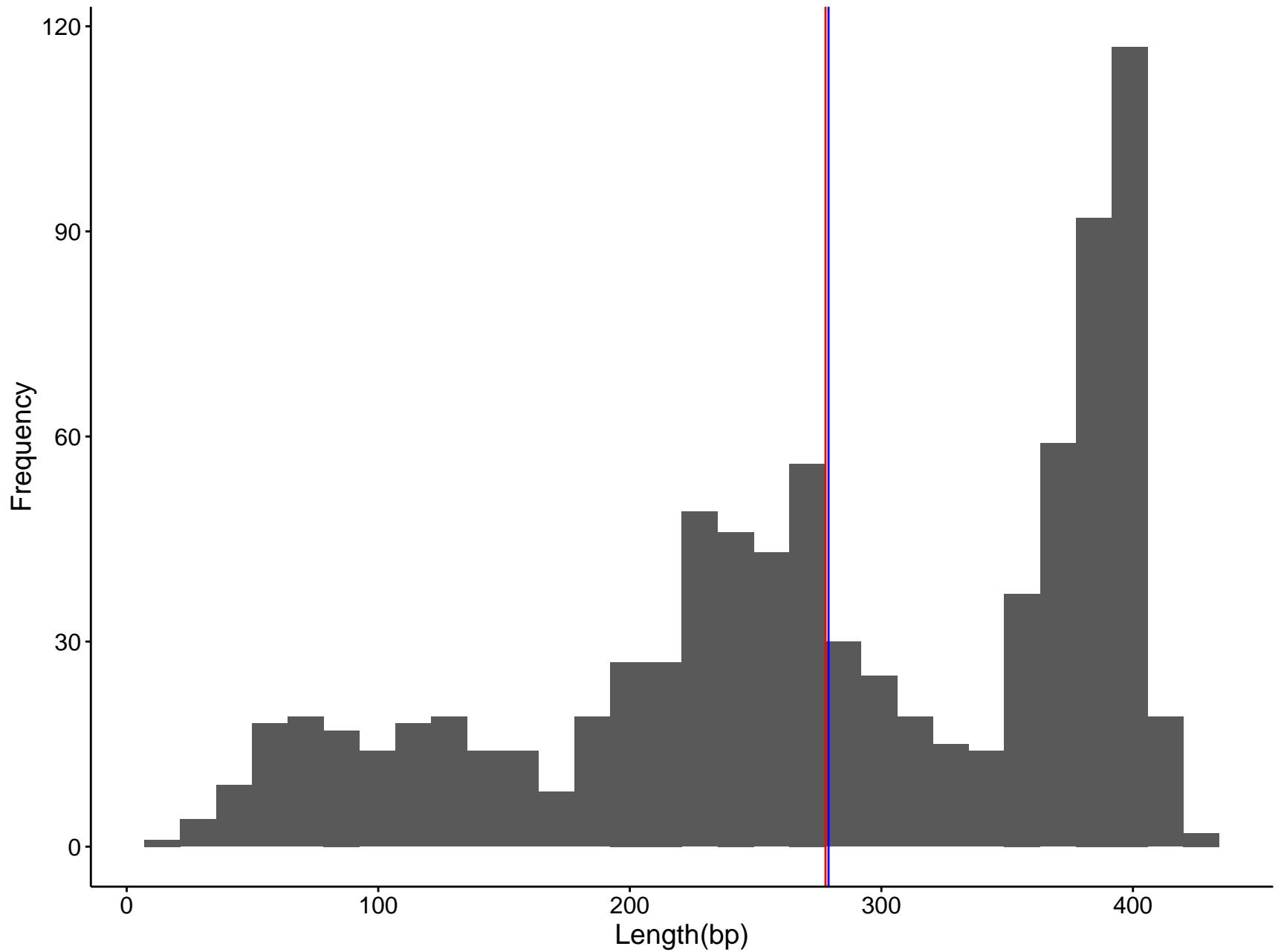
Length(bp)



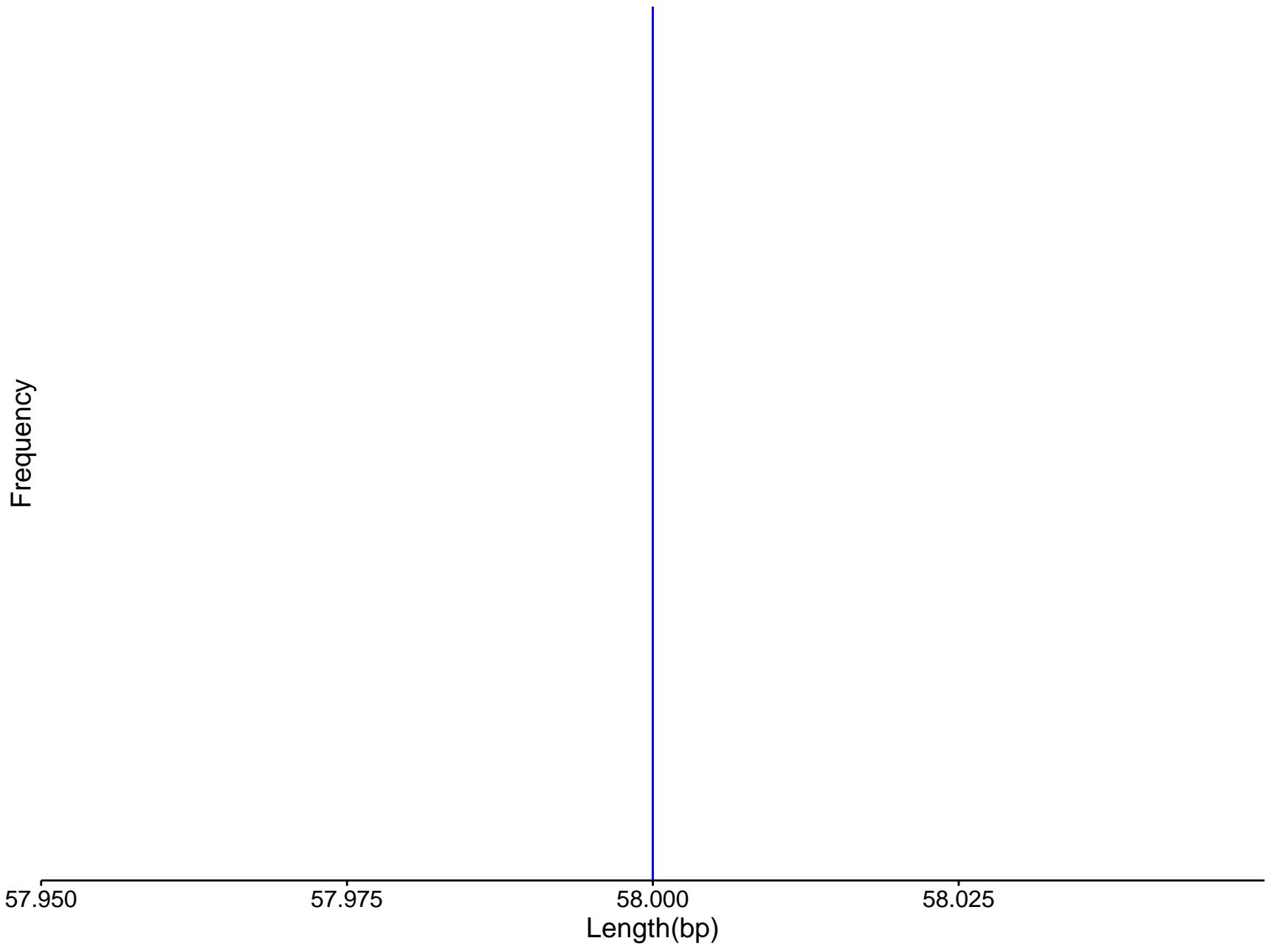
Cluster376



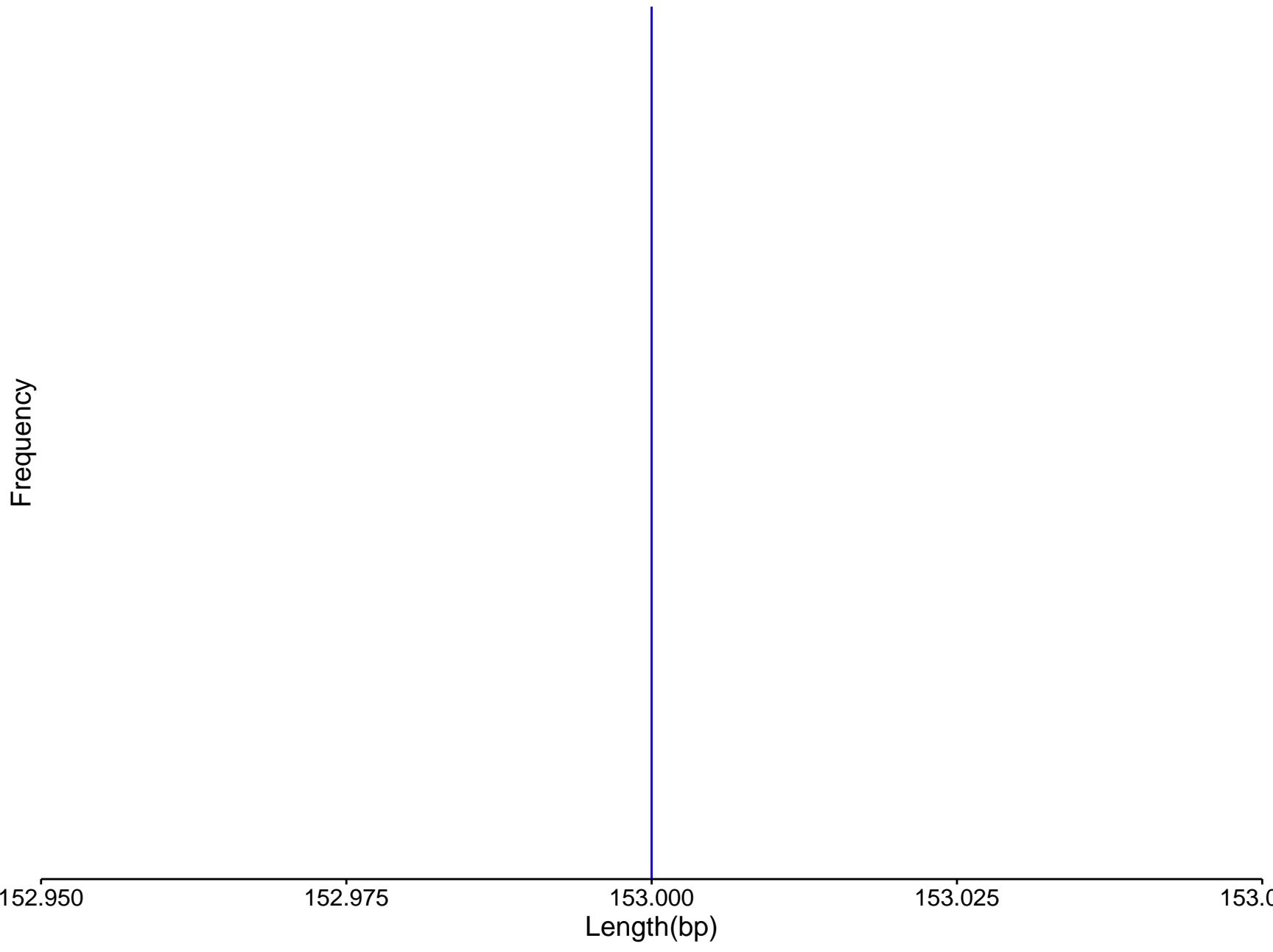
Cluster37



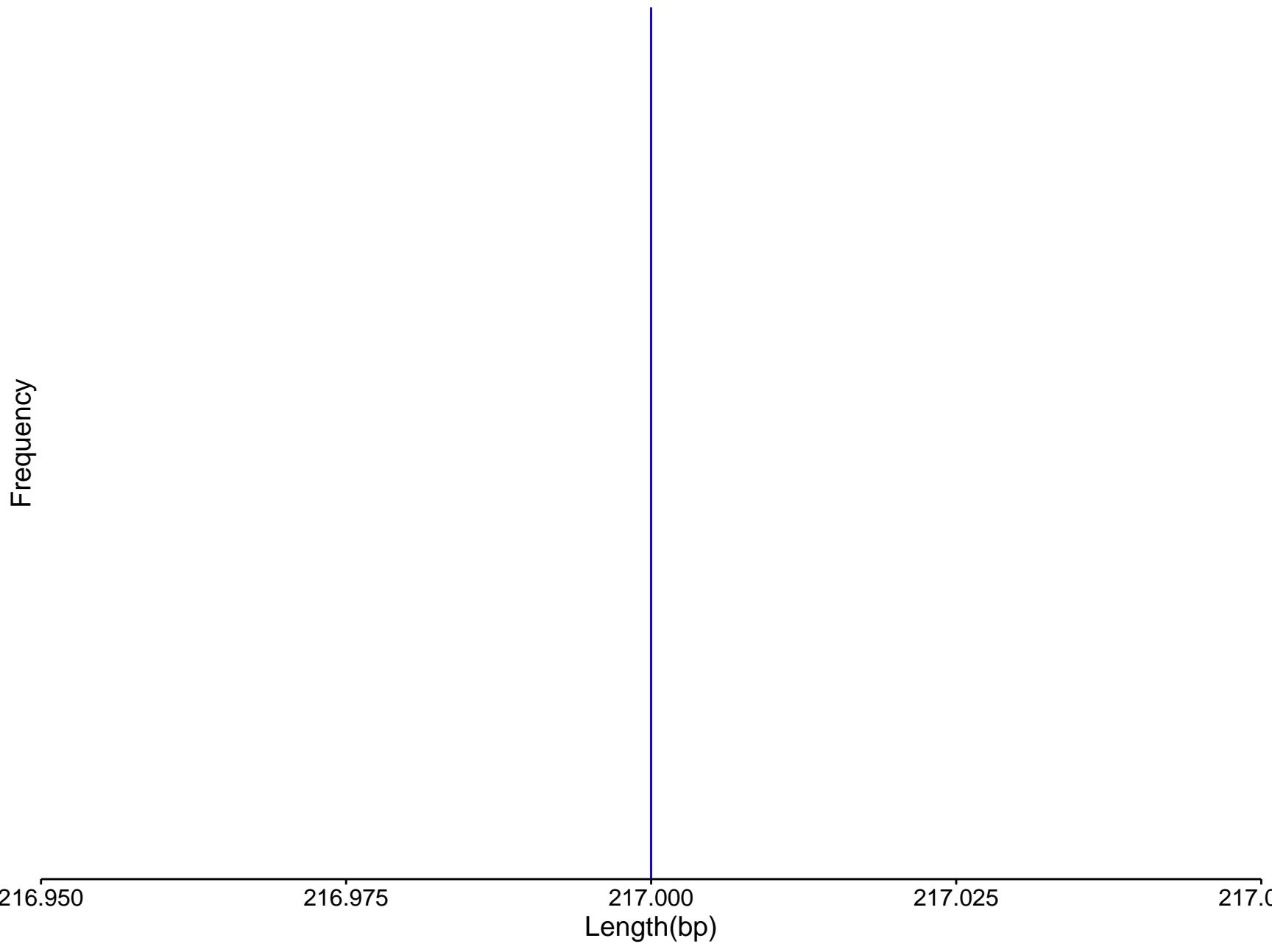
# Cluster381



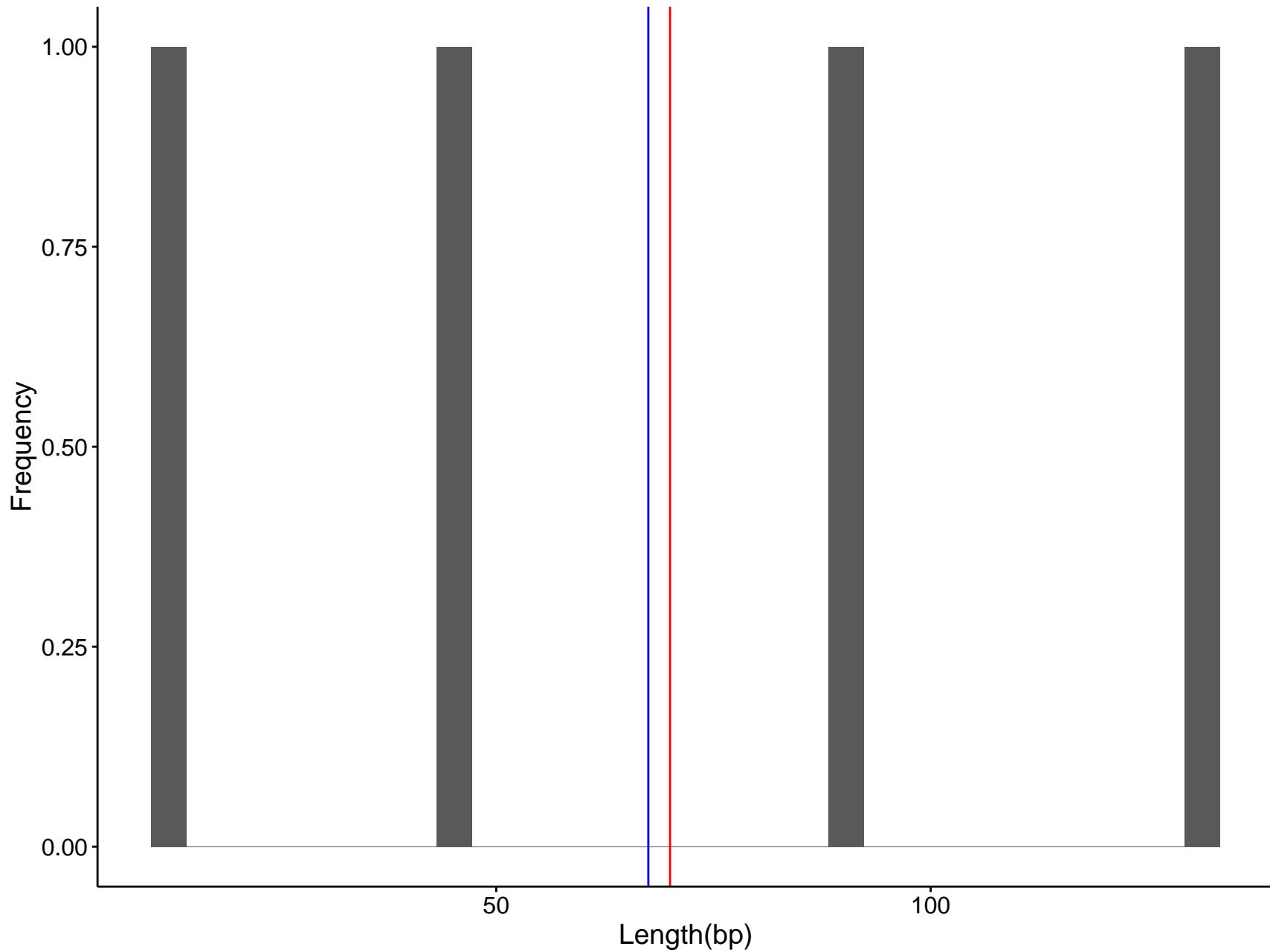
# Cluster388



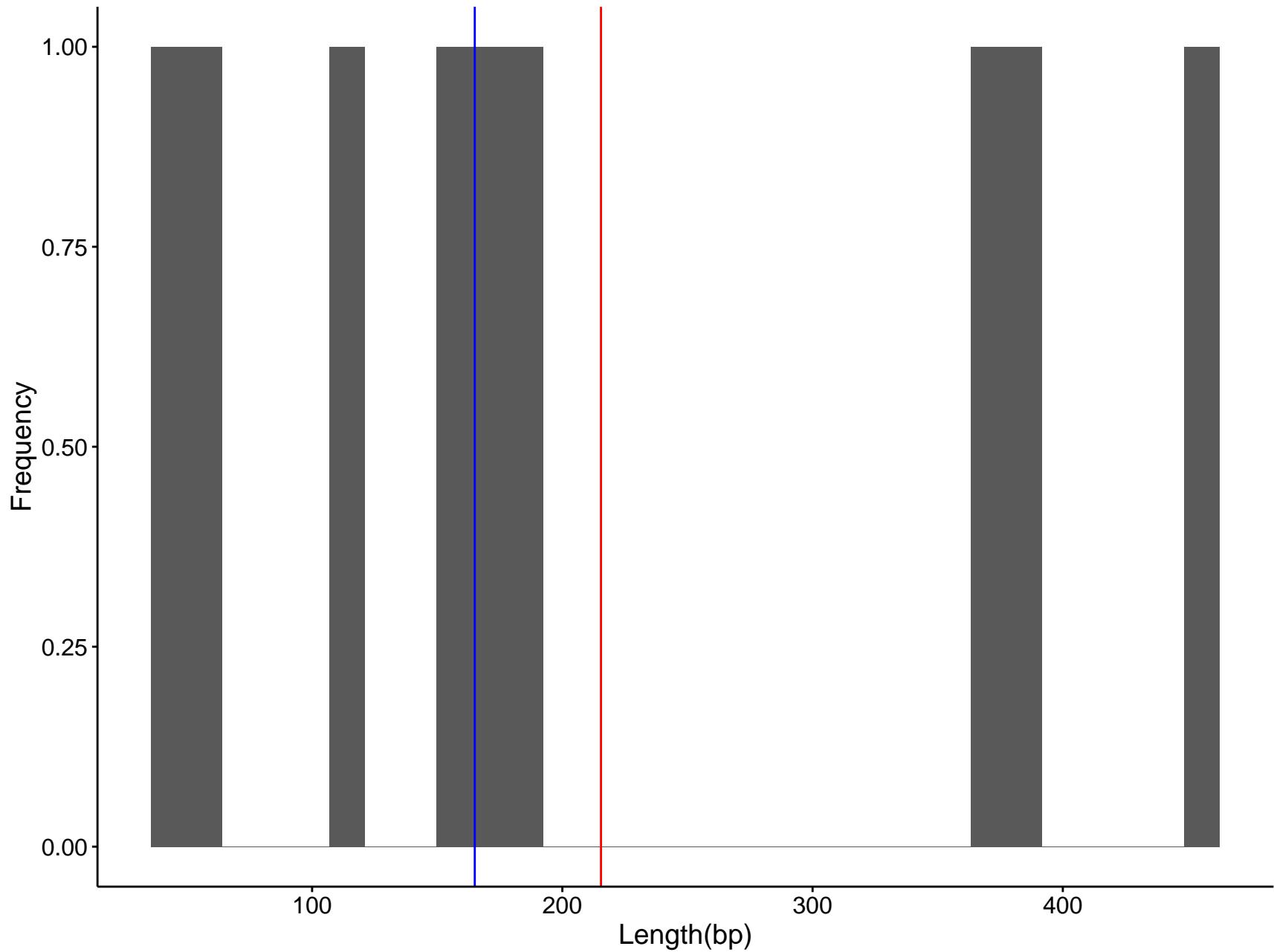
# Cluster391



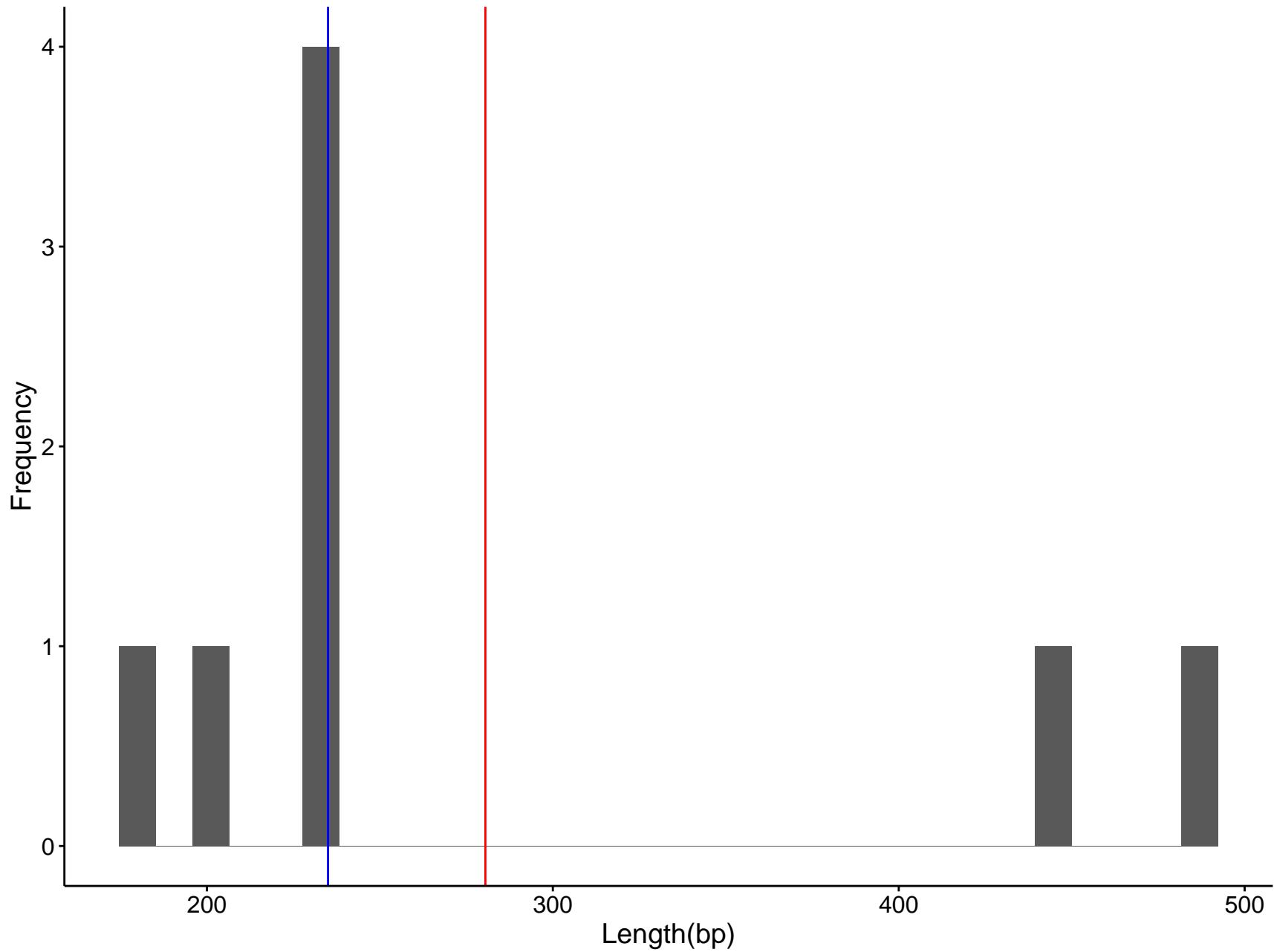
Cluster3



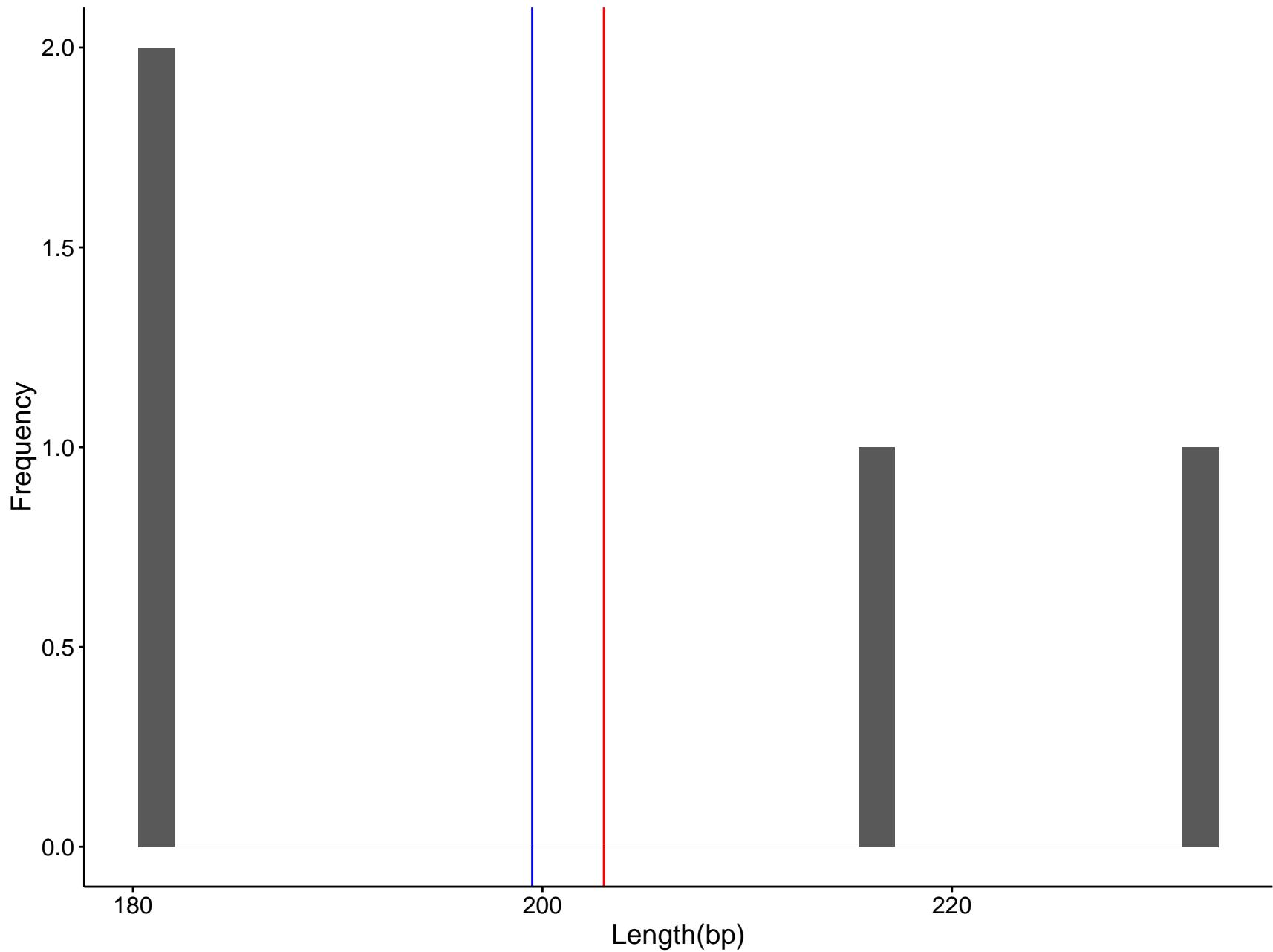
Cluster404



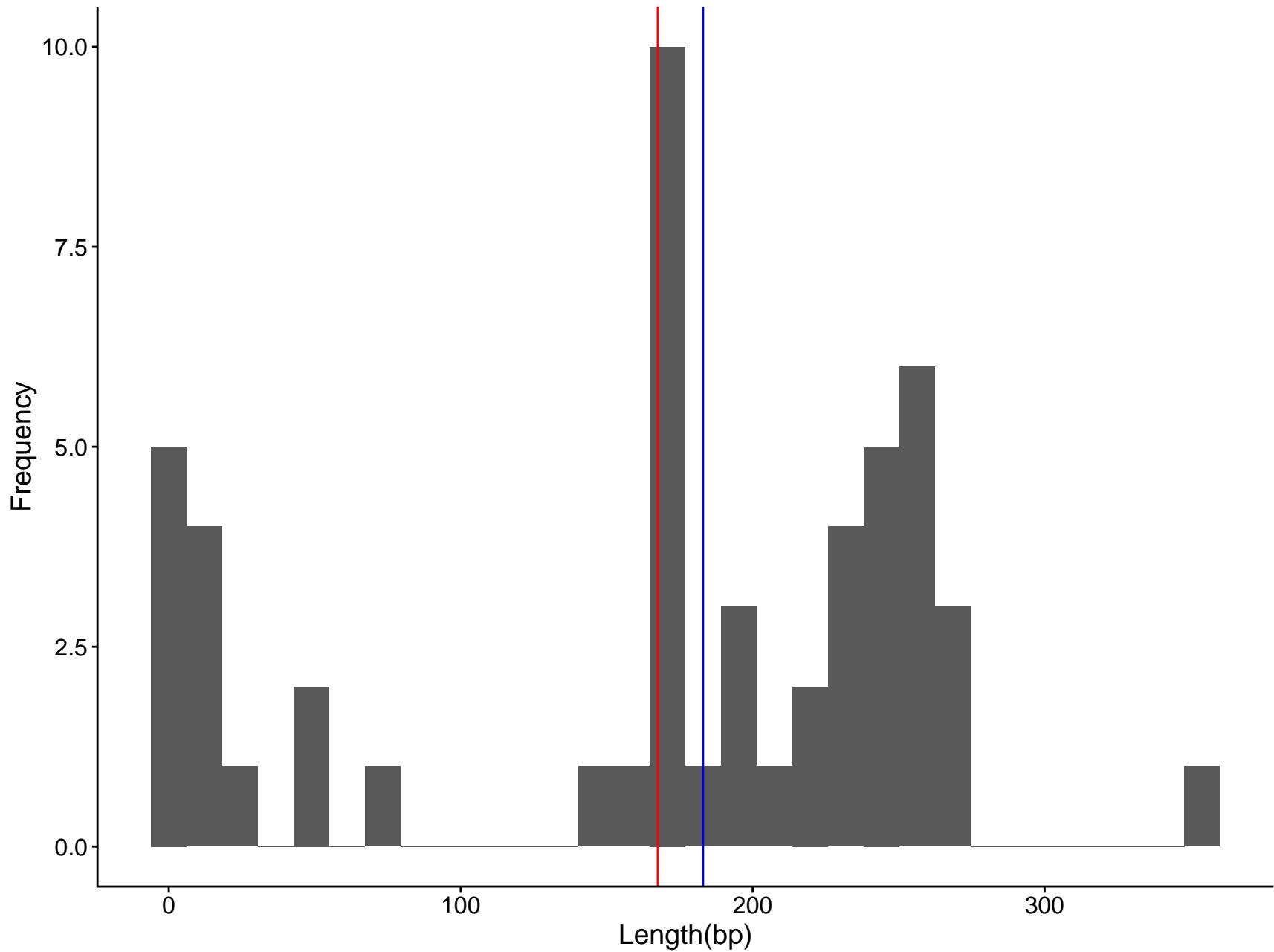
Cluster407



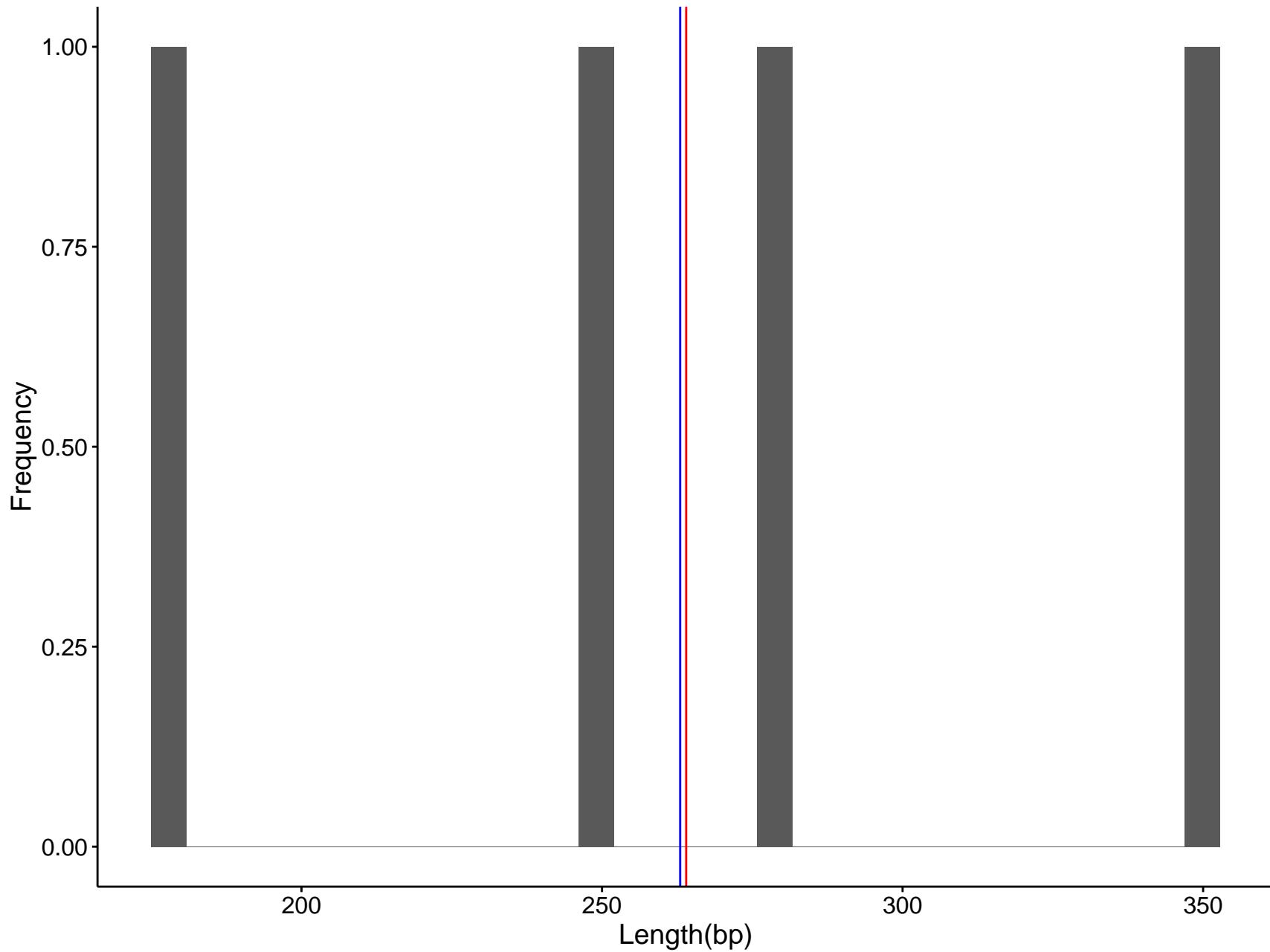
Cluster409



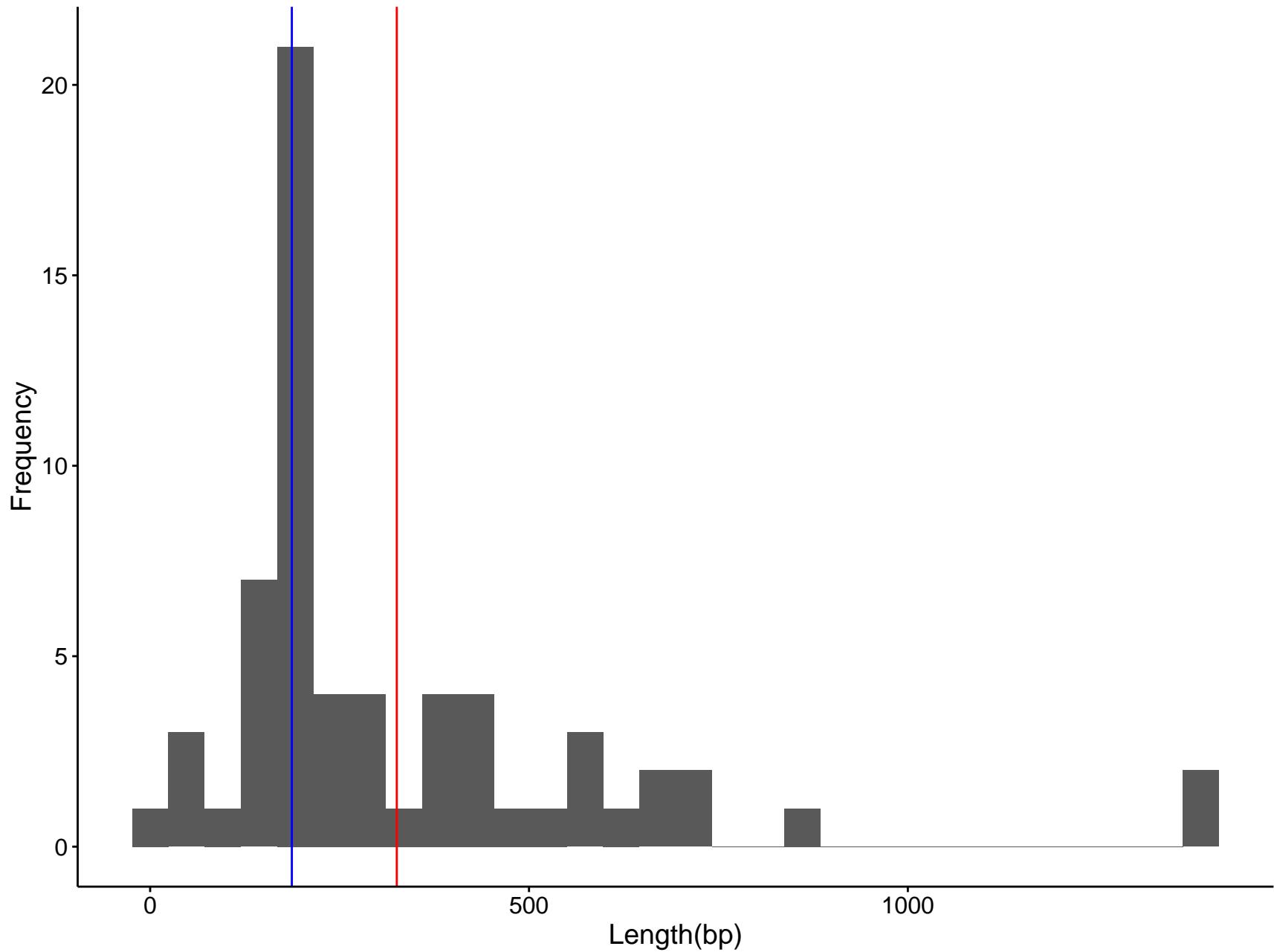
Cluster411



Cluster425



Cluster431



# Cluster432

Frequency

179.950

179.975

180.000

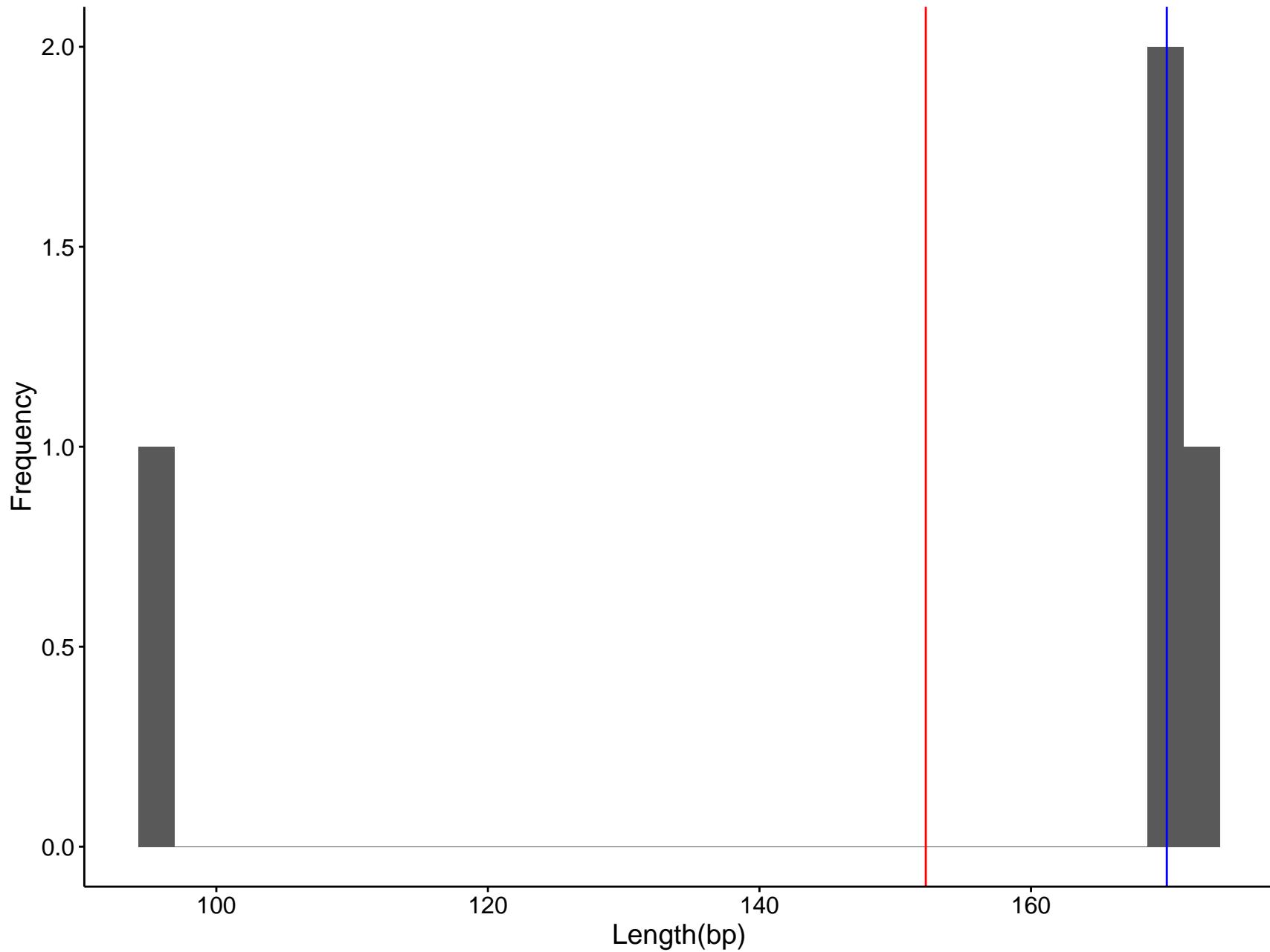
180.025

180.050

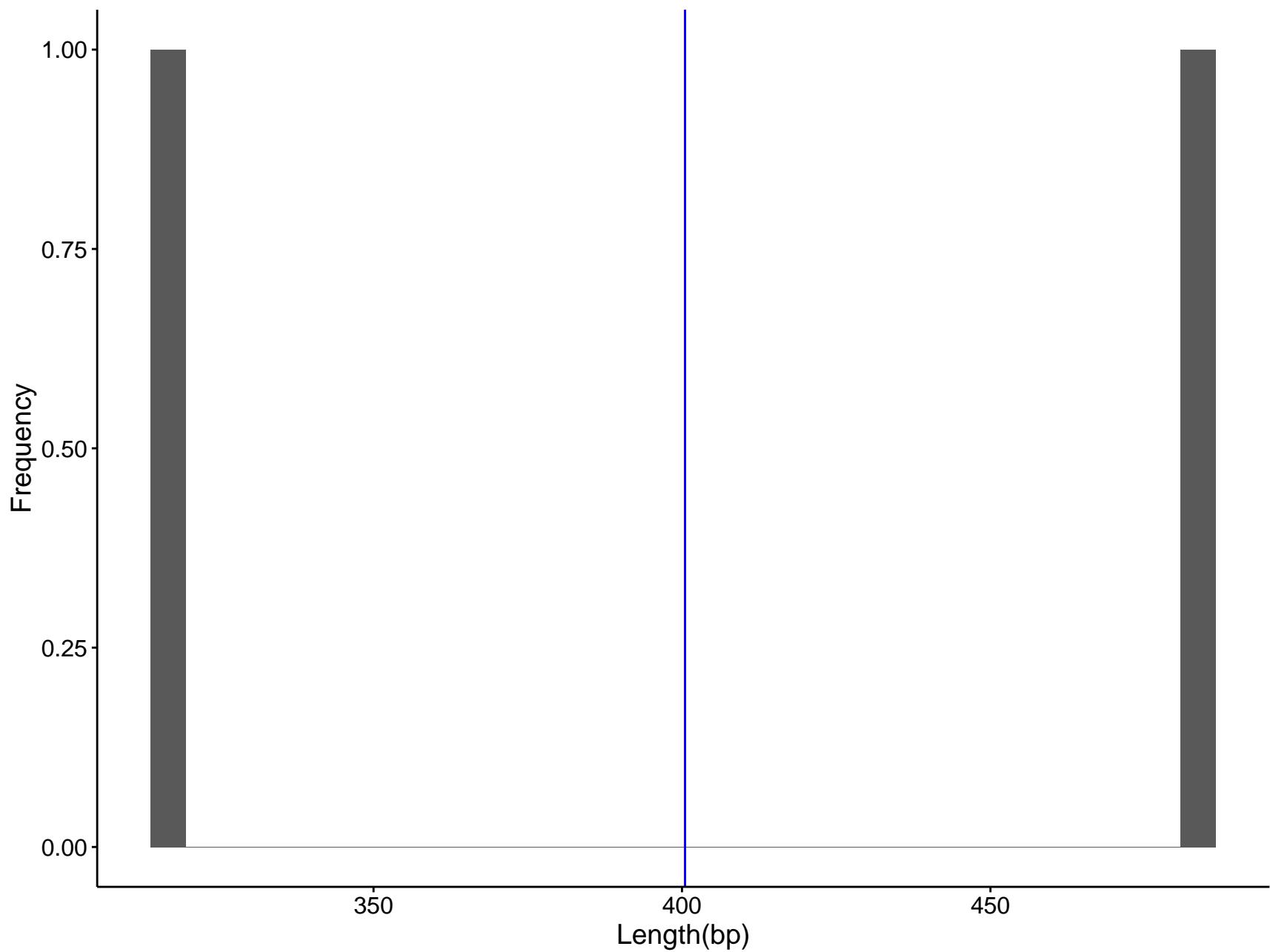
Length(bp)



Cluster435



Cluster439



# Cluster43

Frequency

37.950

37.975

38.000

38.025

Length(bp)



# Cluster445

Frequency

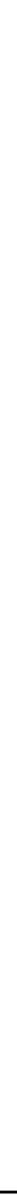
315.950

315.975

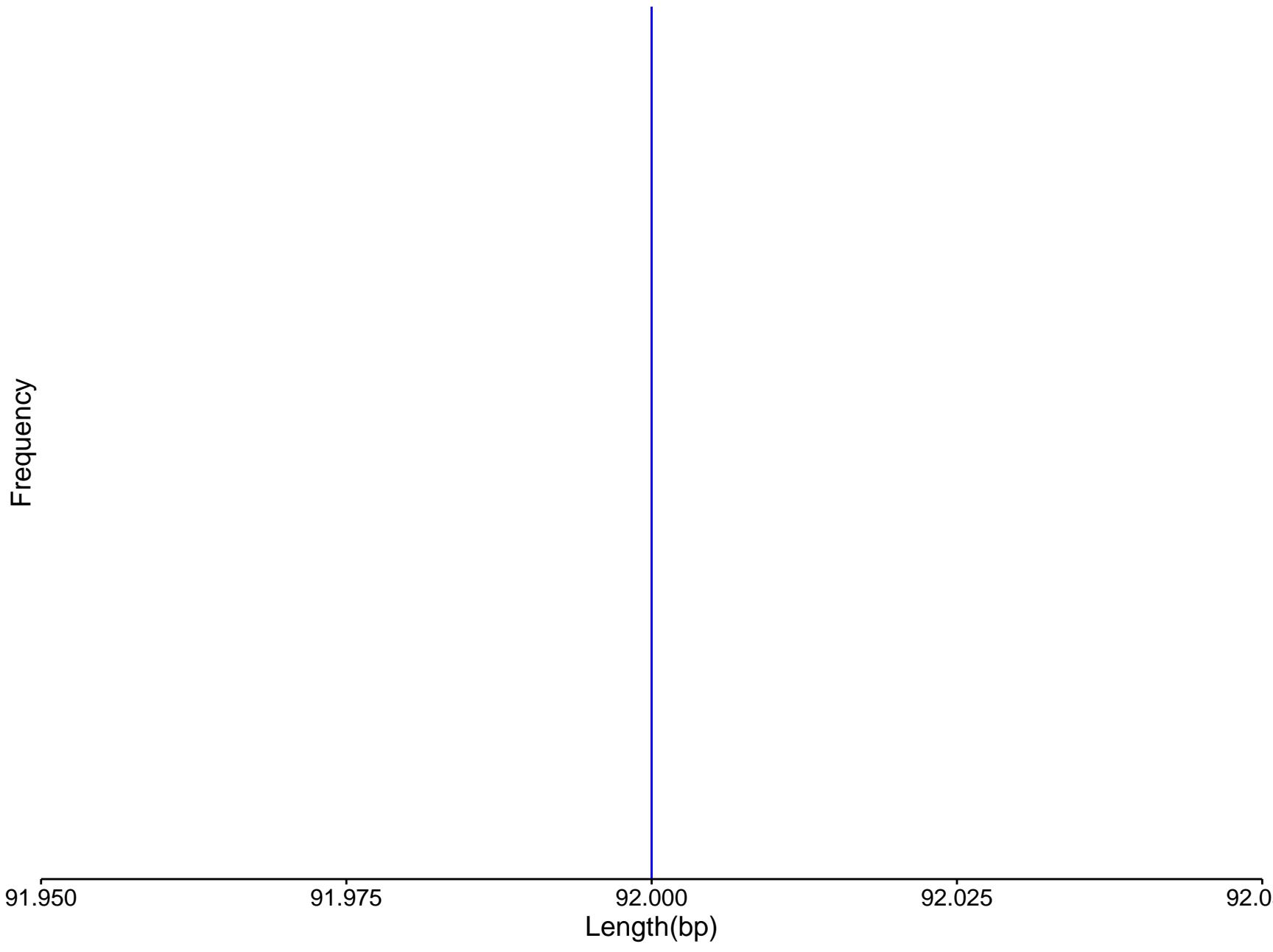
316.000

316.025

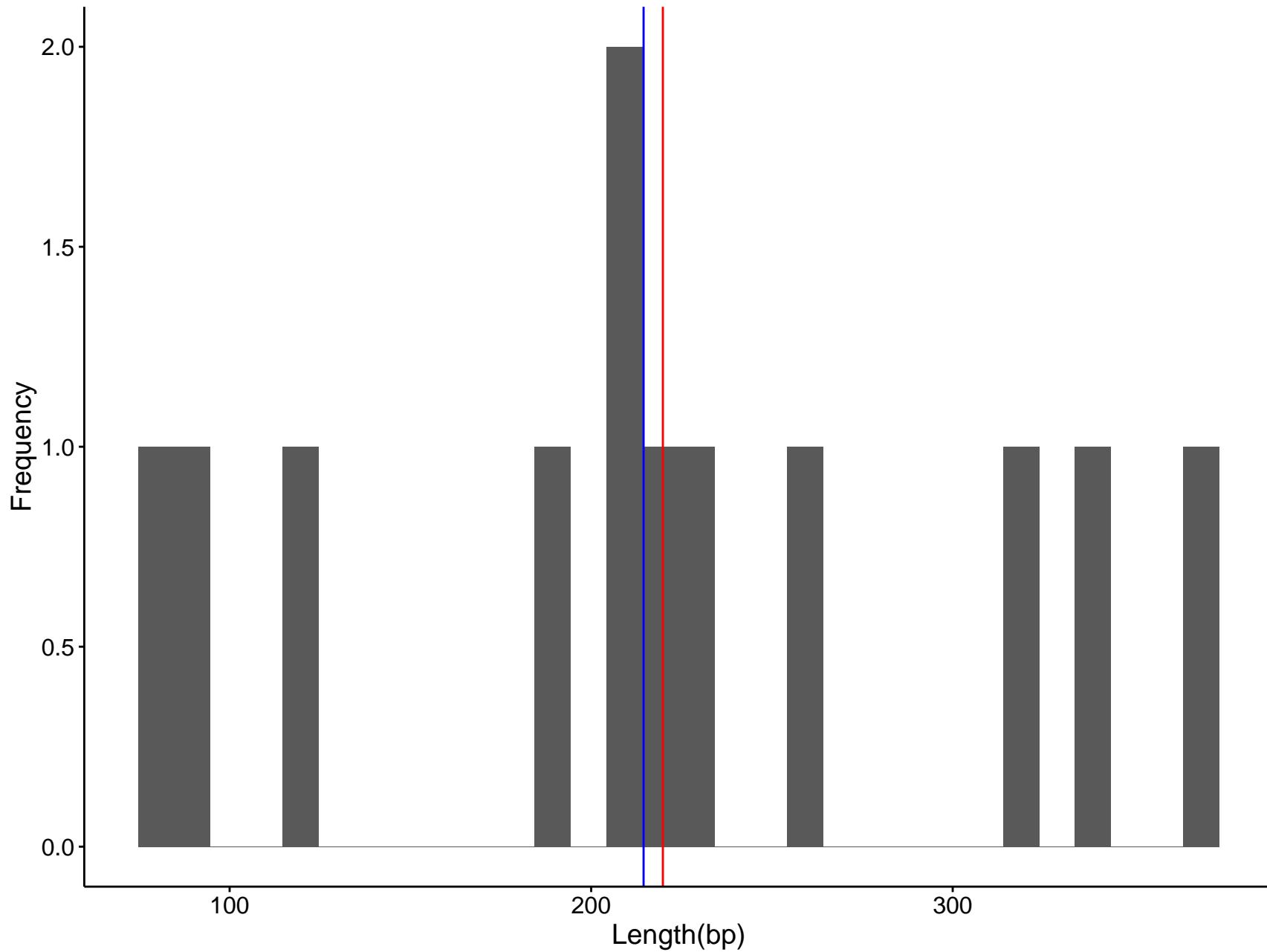
Length(bp)



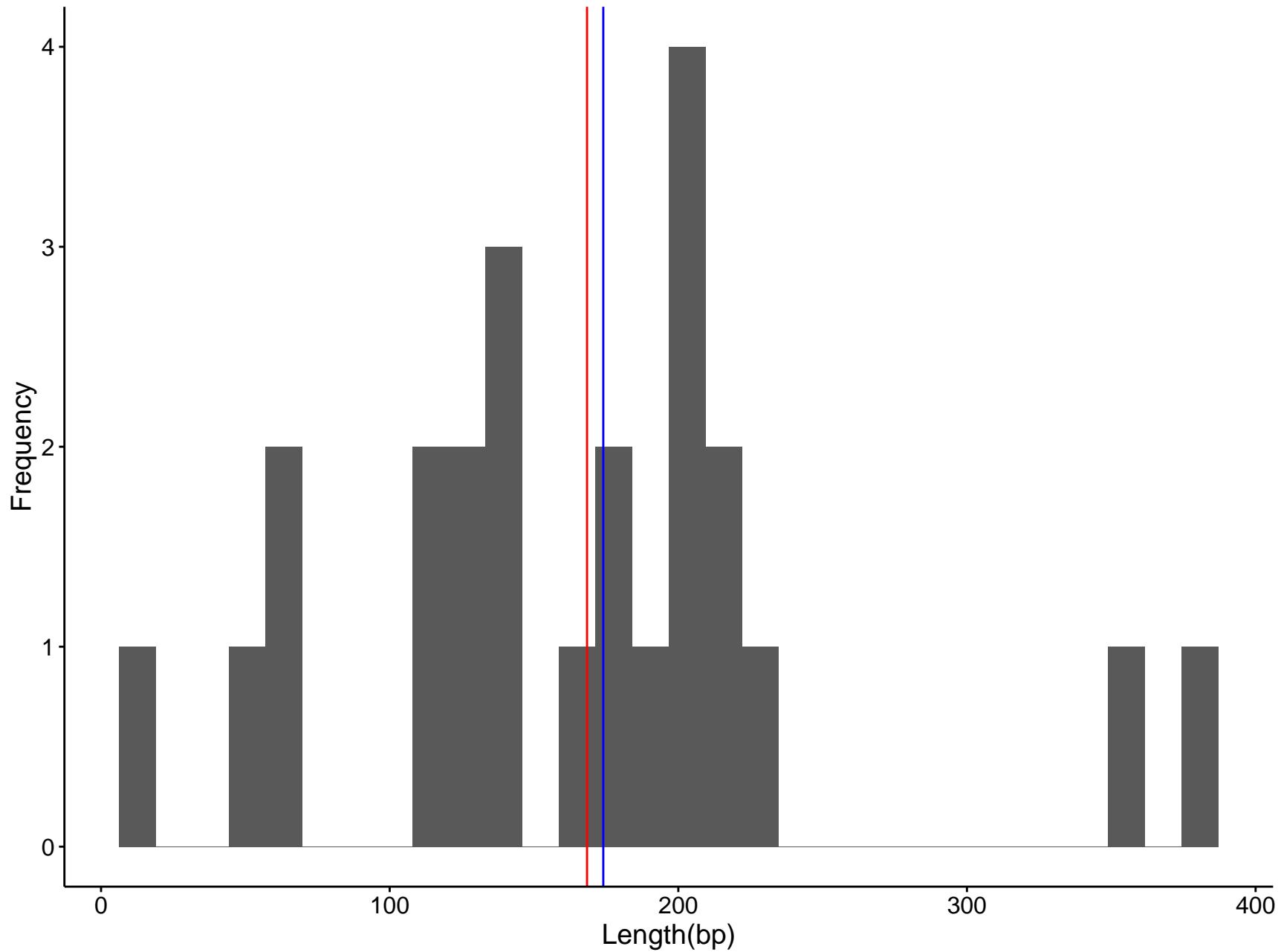
# Cluster448



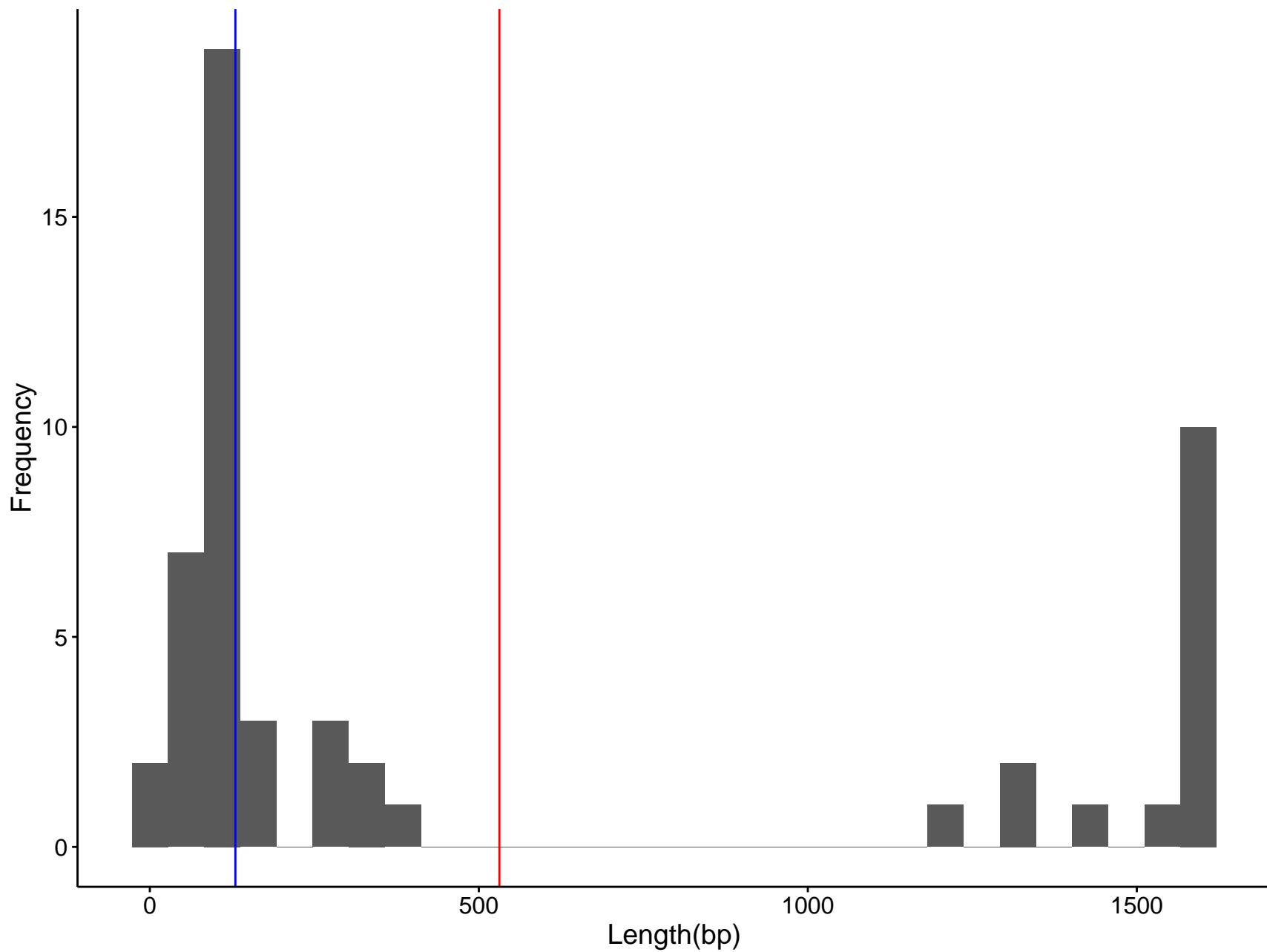
Cluster44



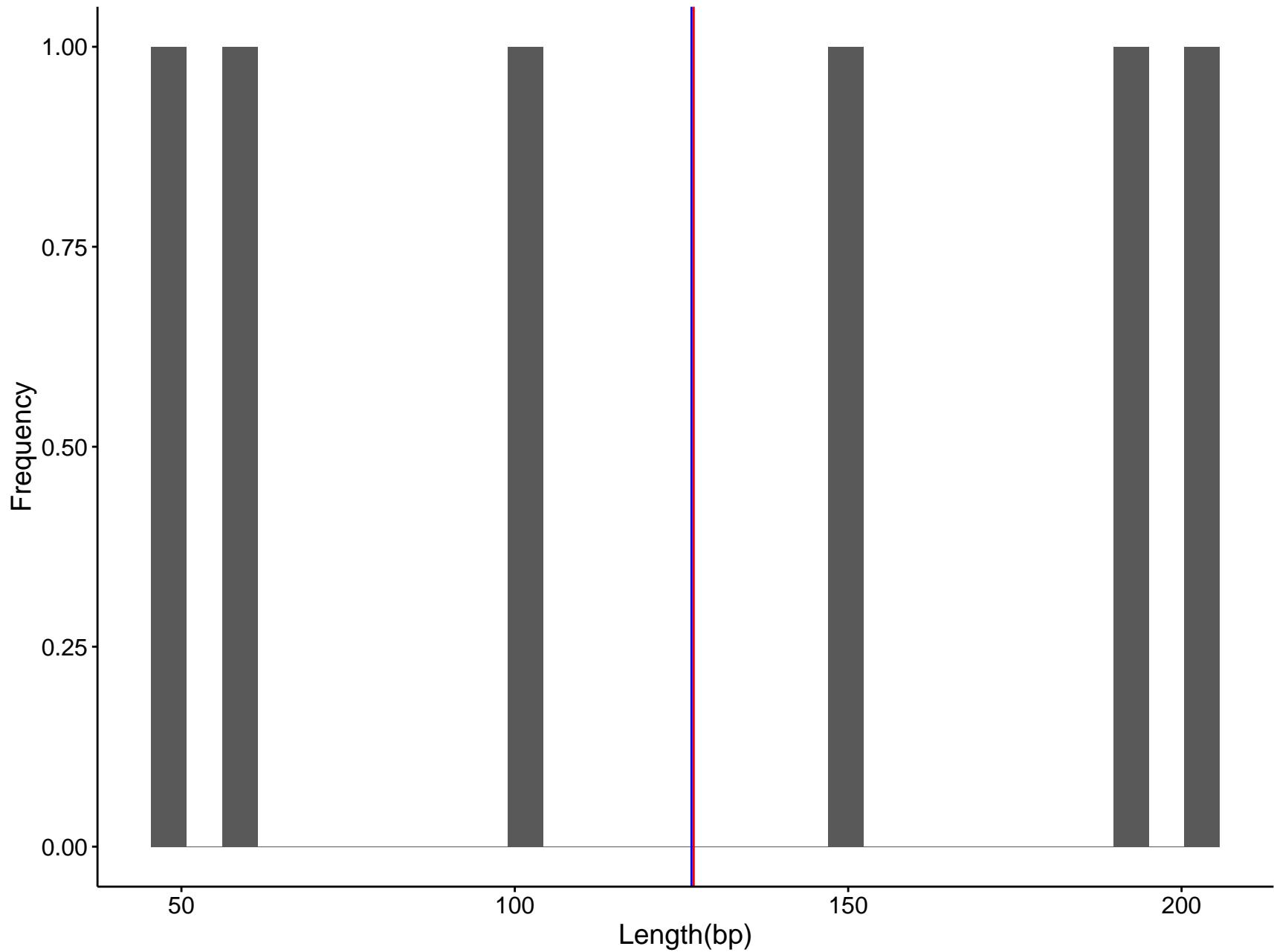
Cluster452



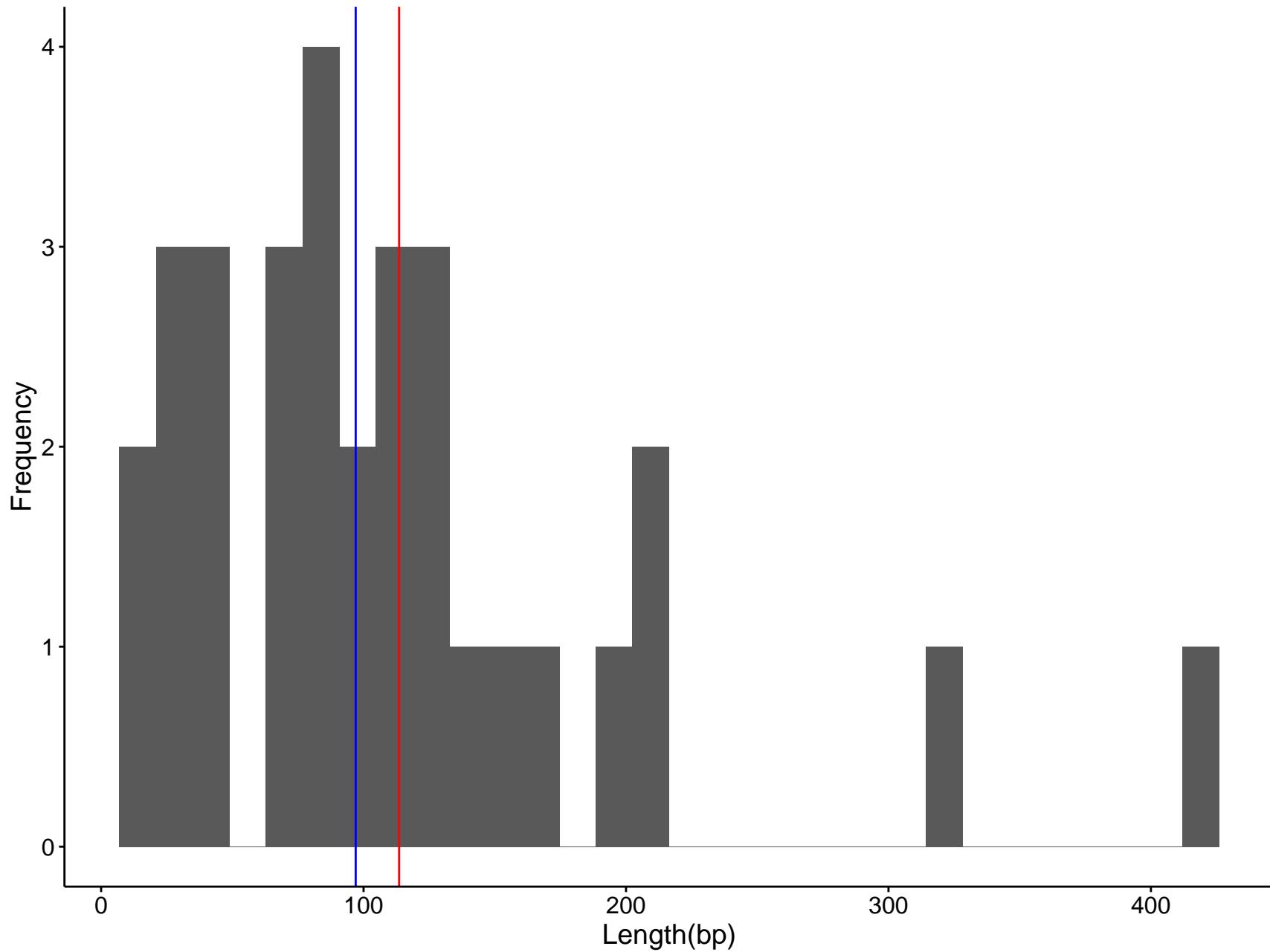
Cluster460



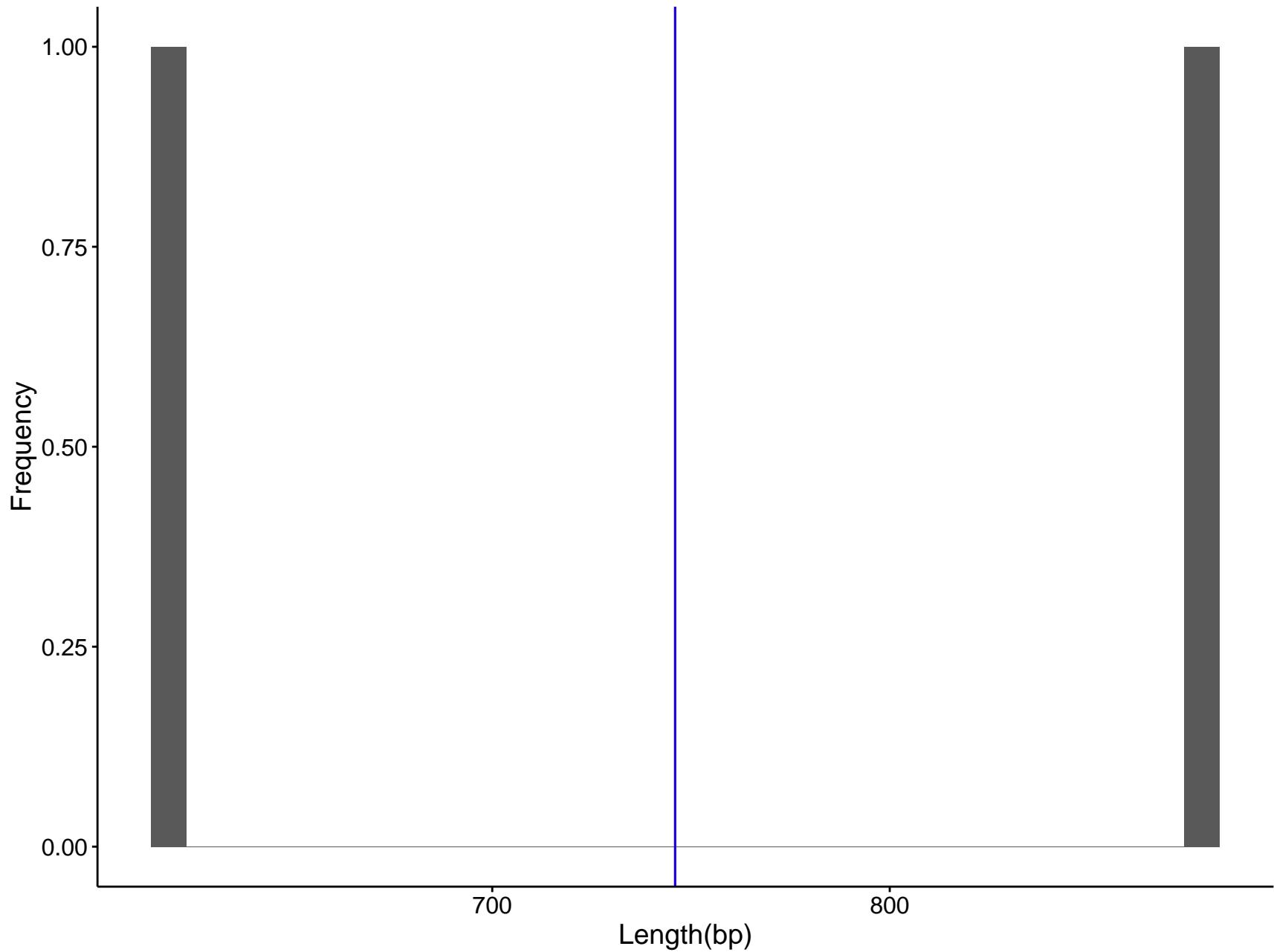
Cluster464



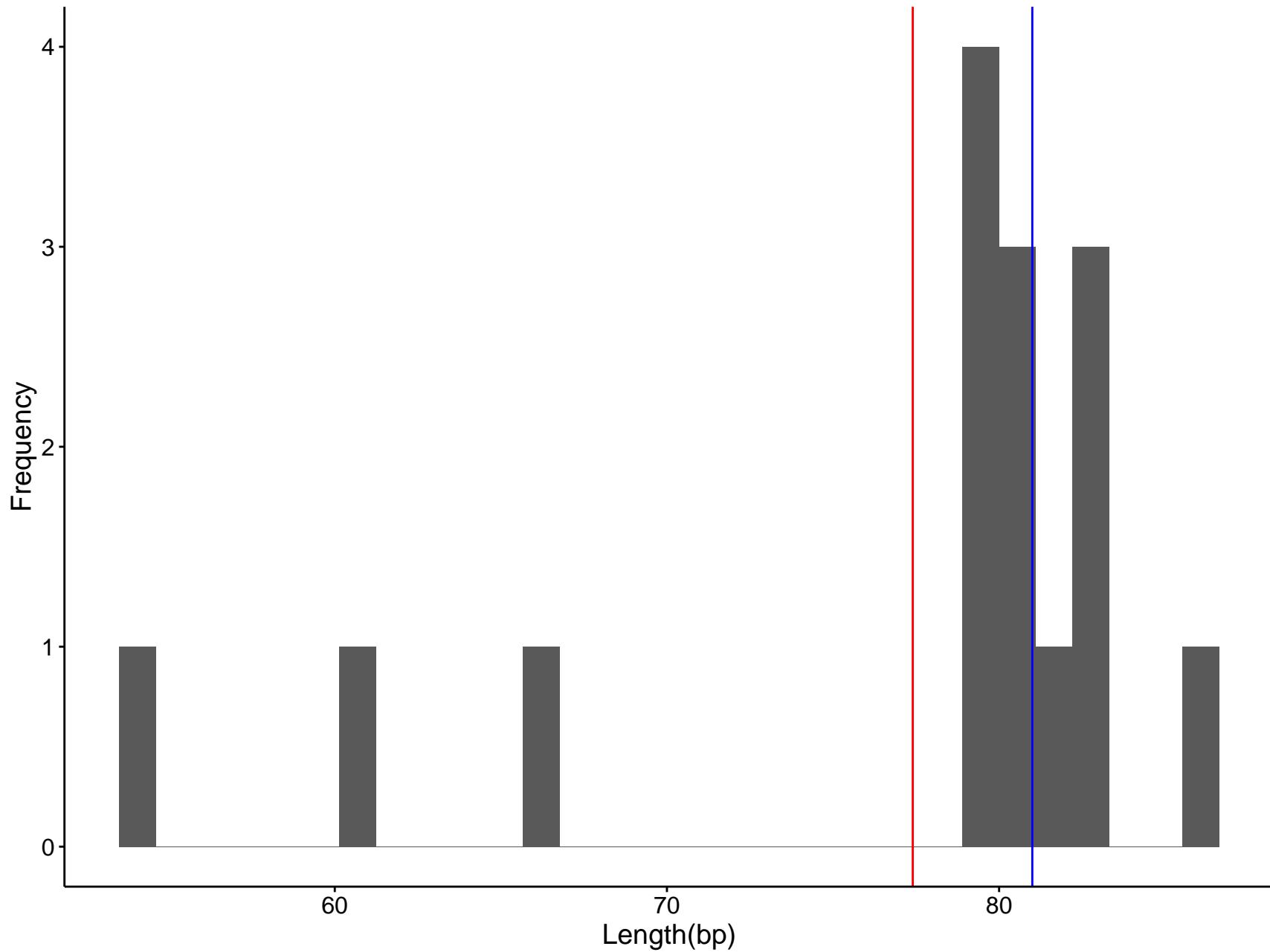
Cluster467



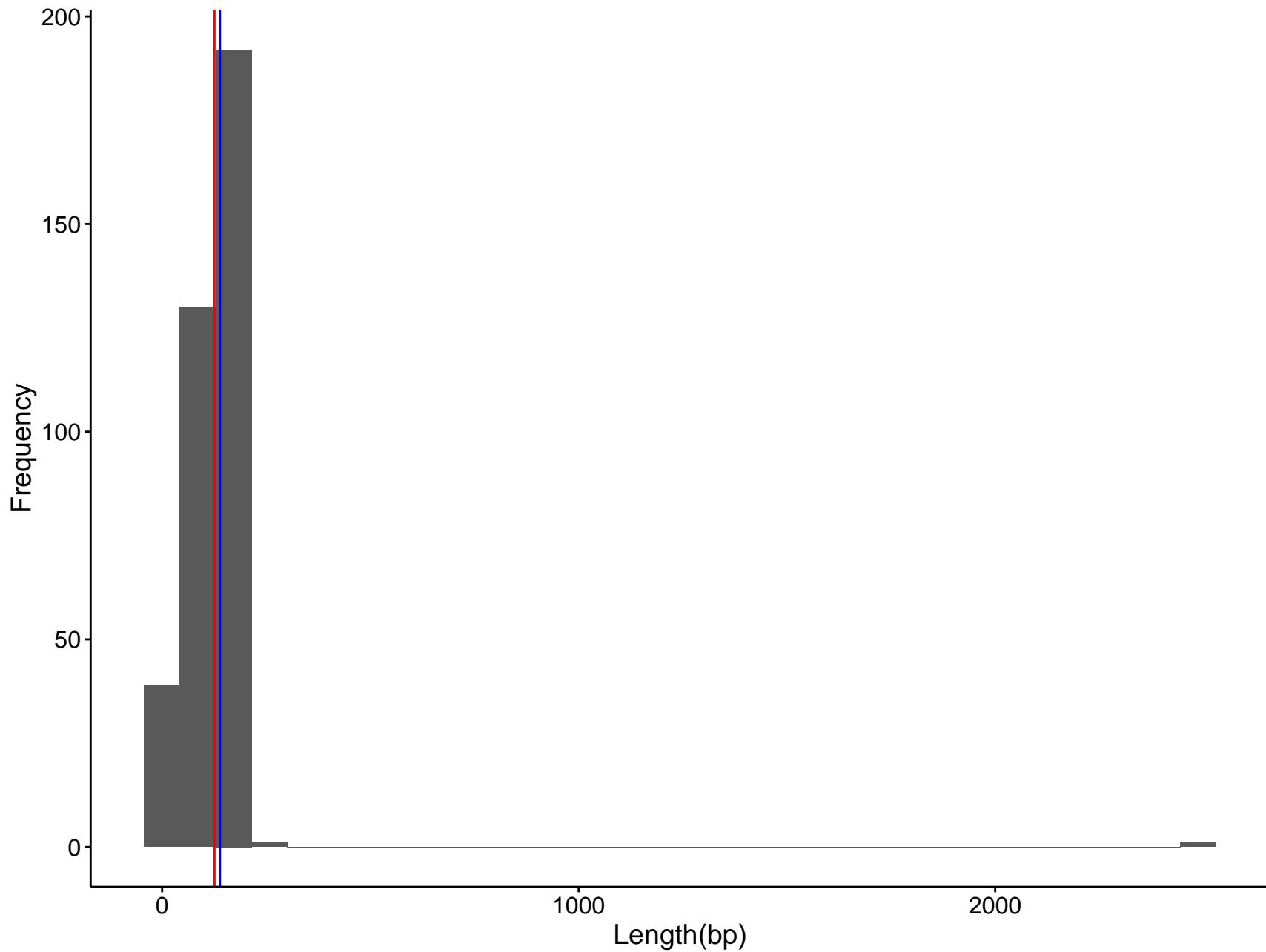
Cluster46



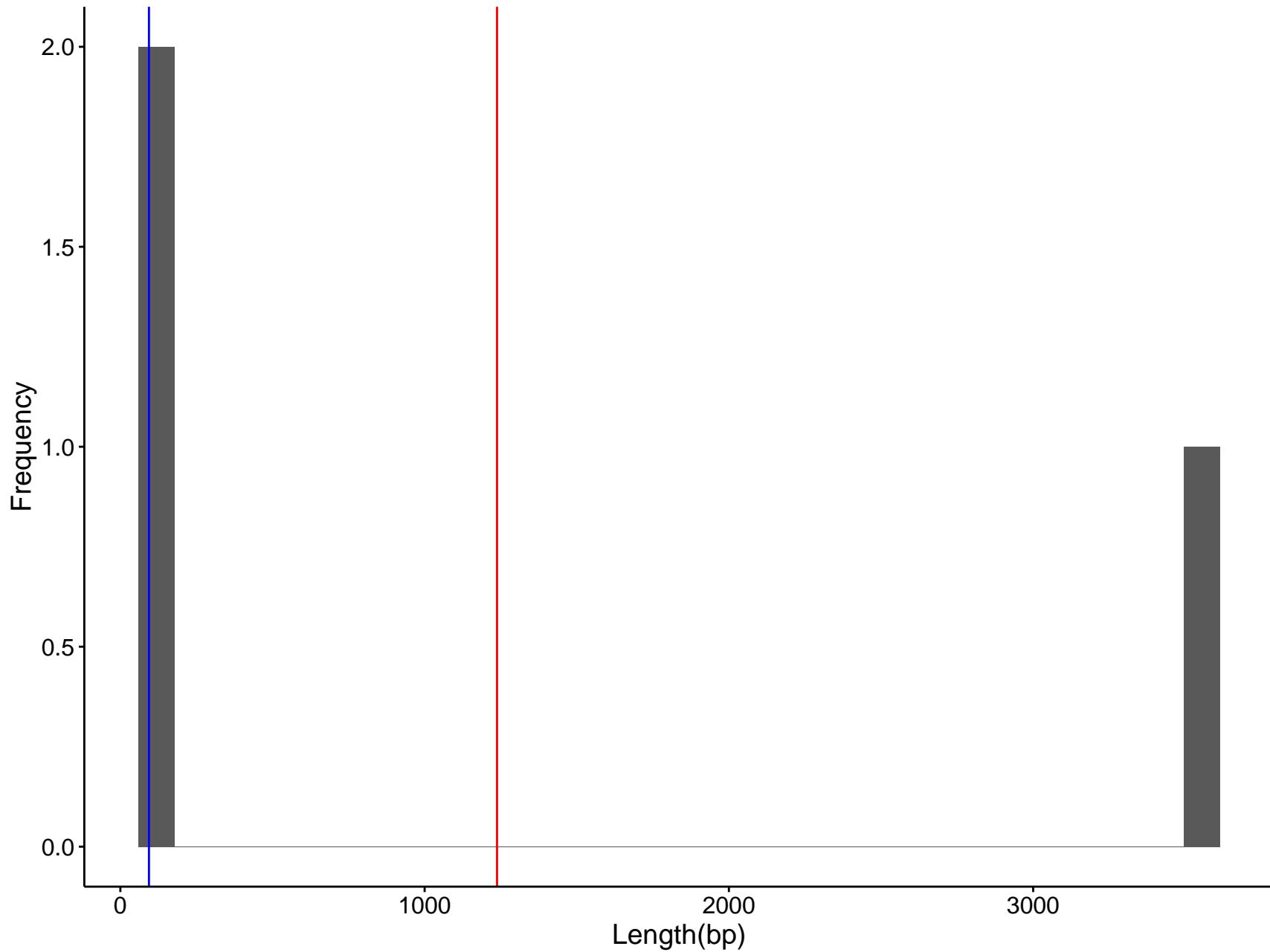
# Cluster470

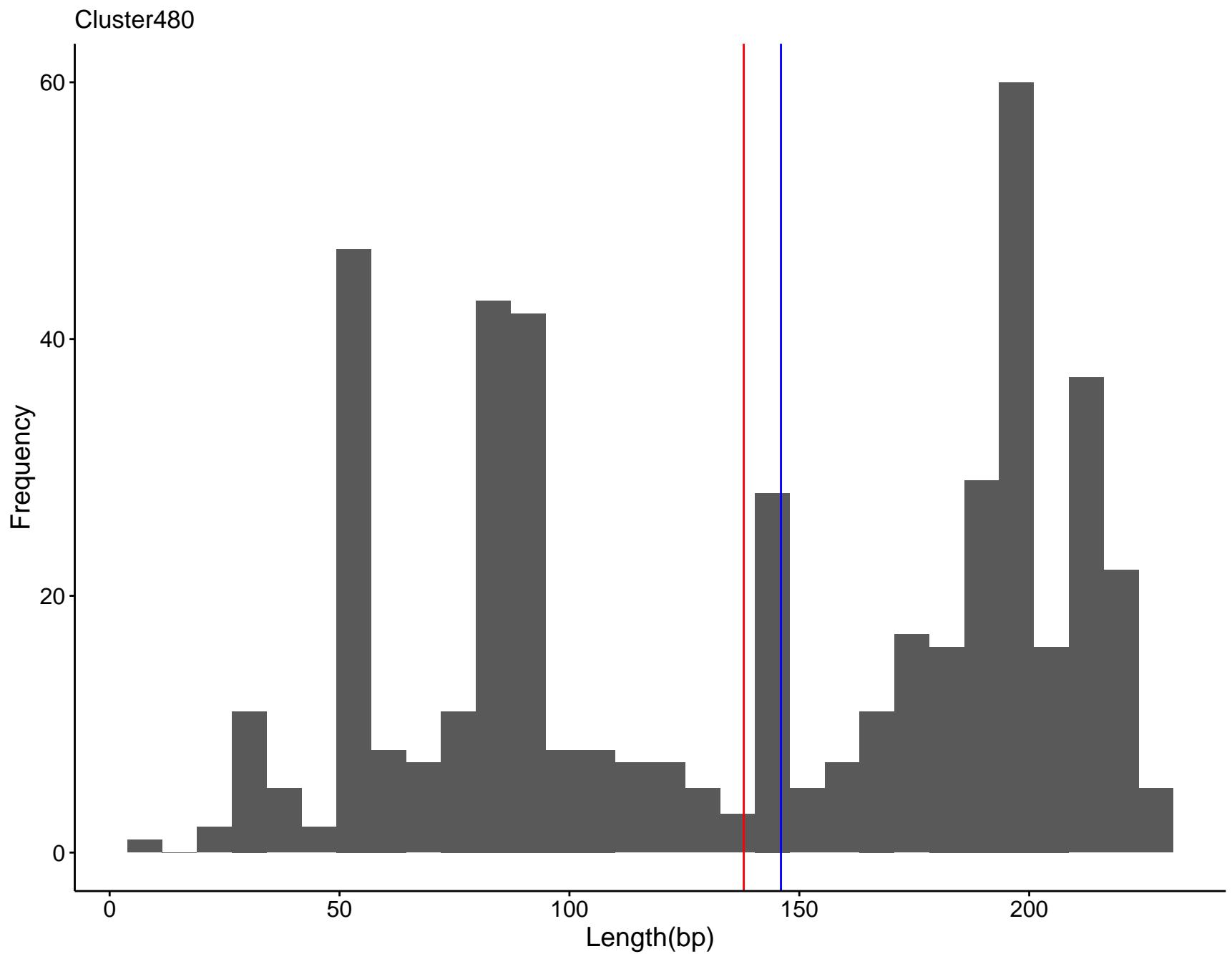


Cluster479

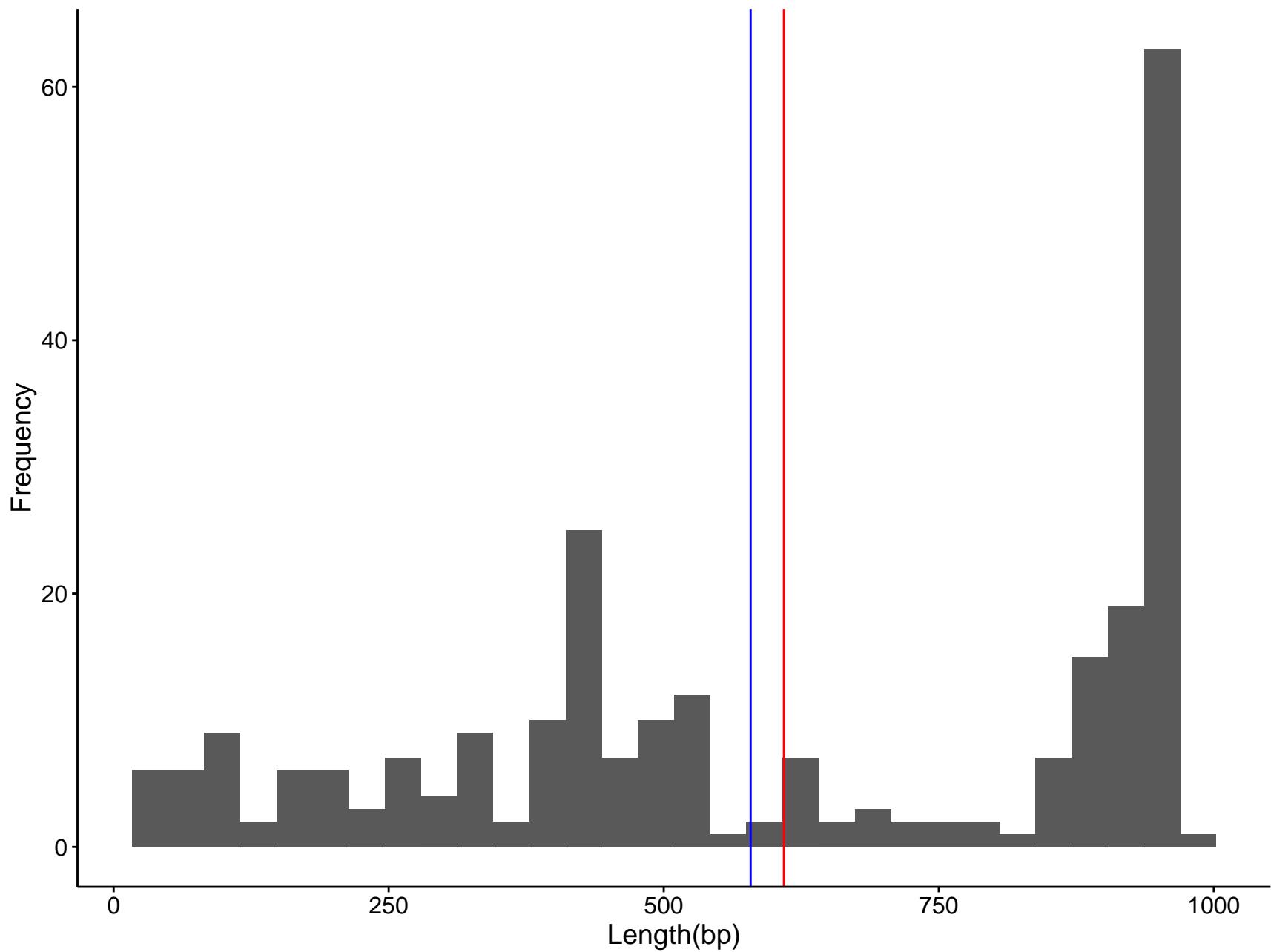


Cluster47

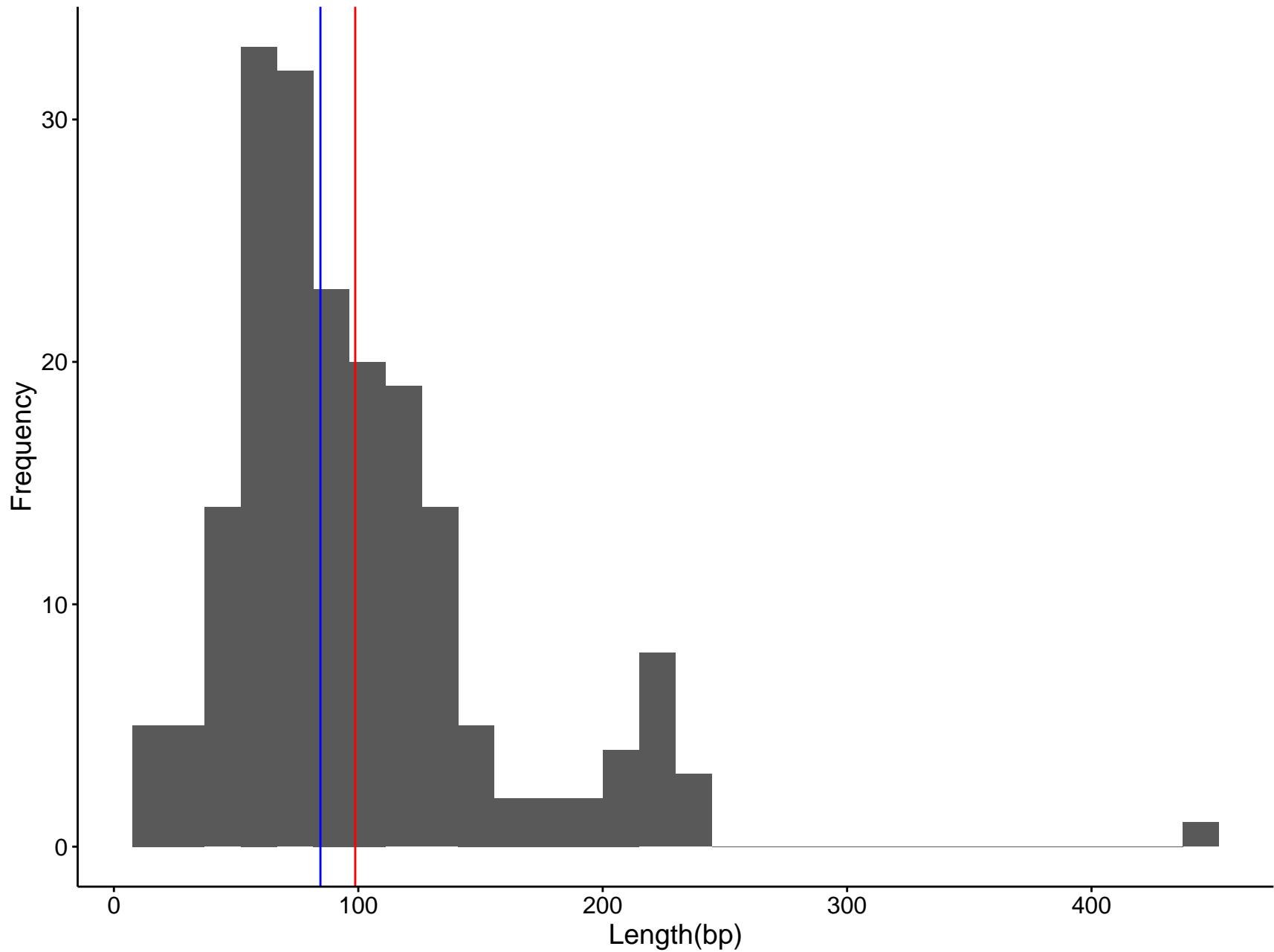




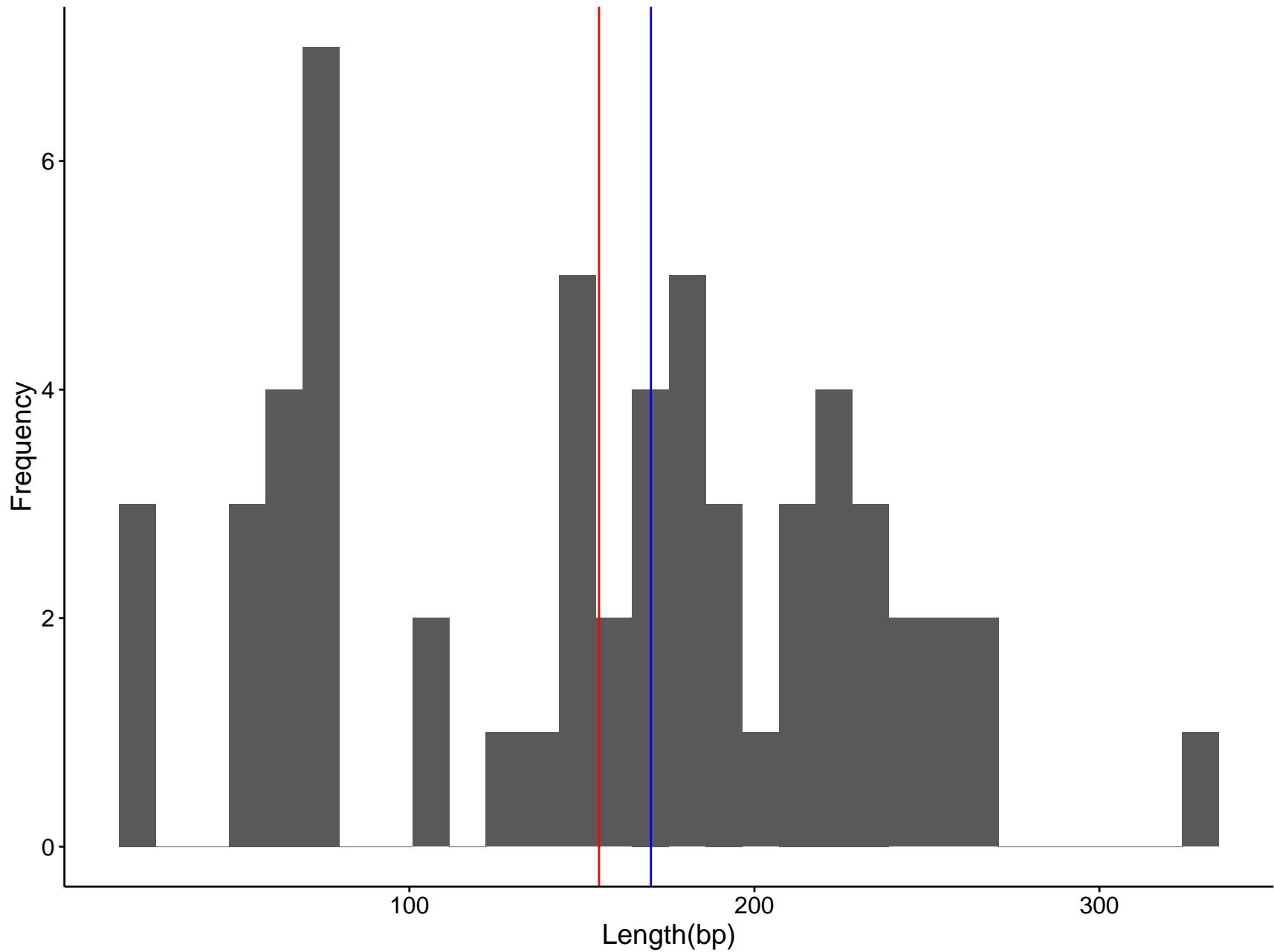
Cluster481



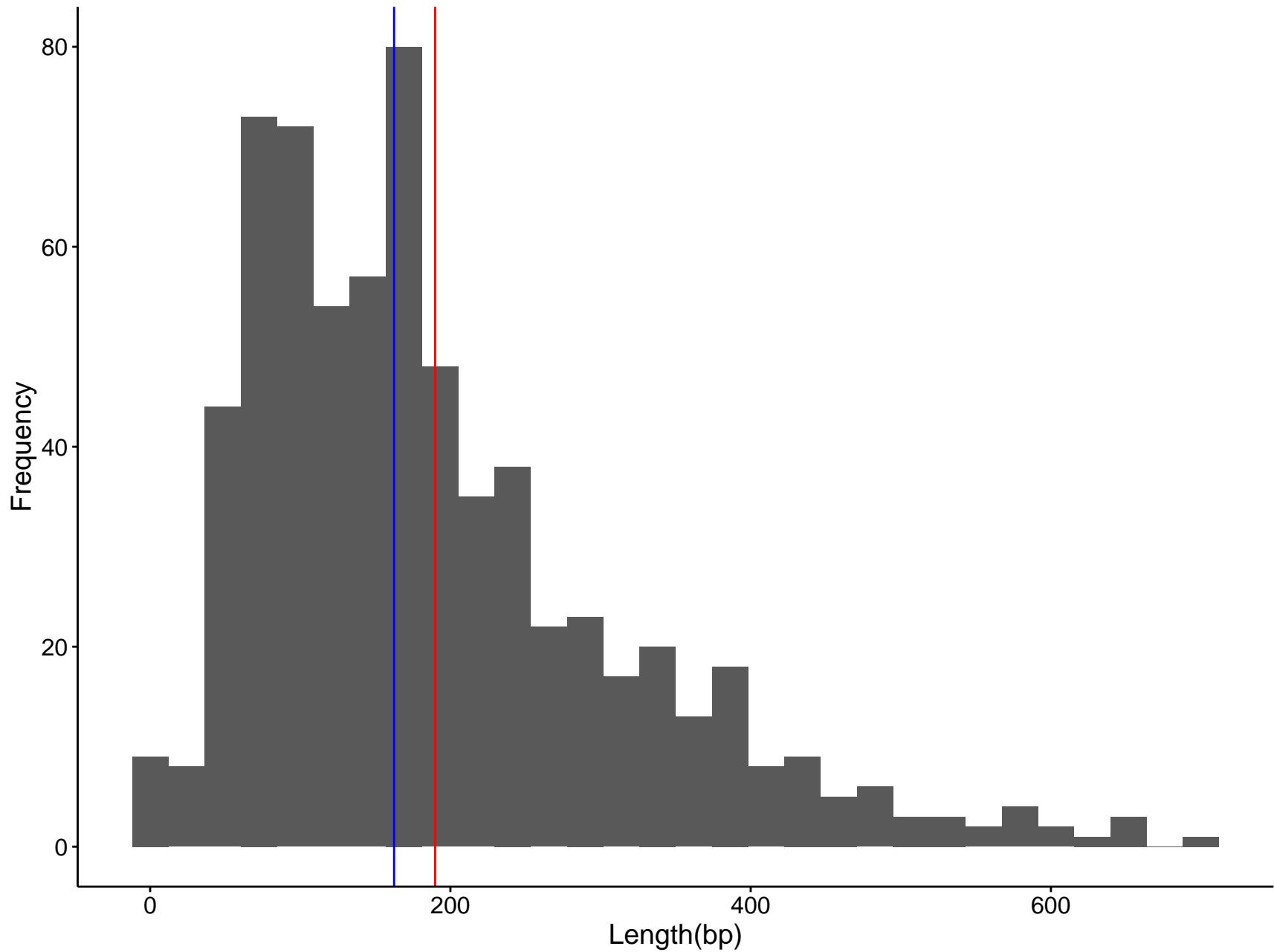
Cluster483



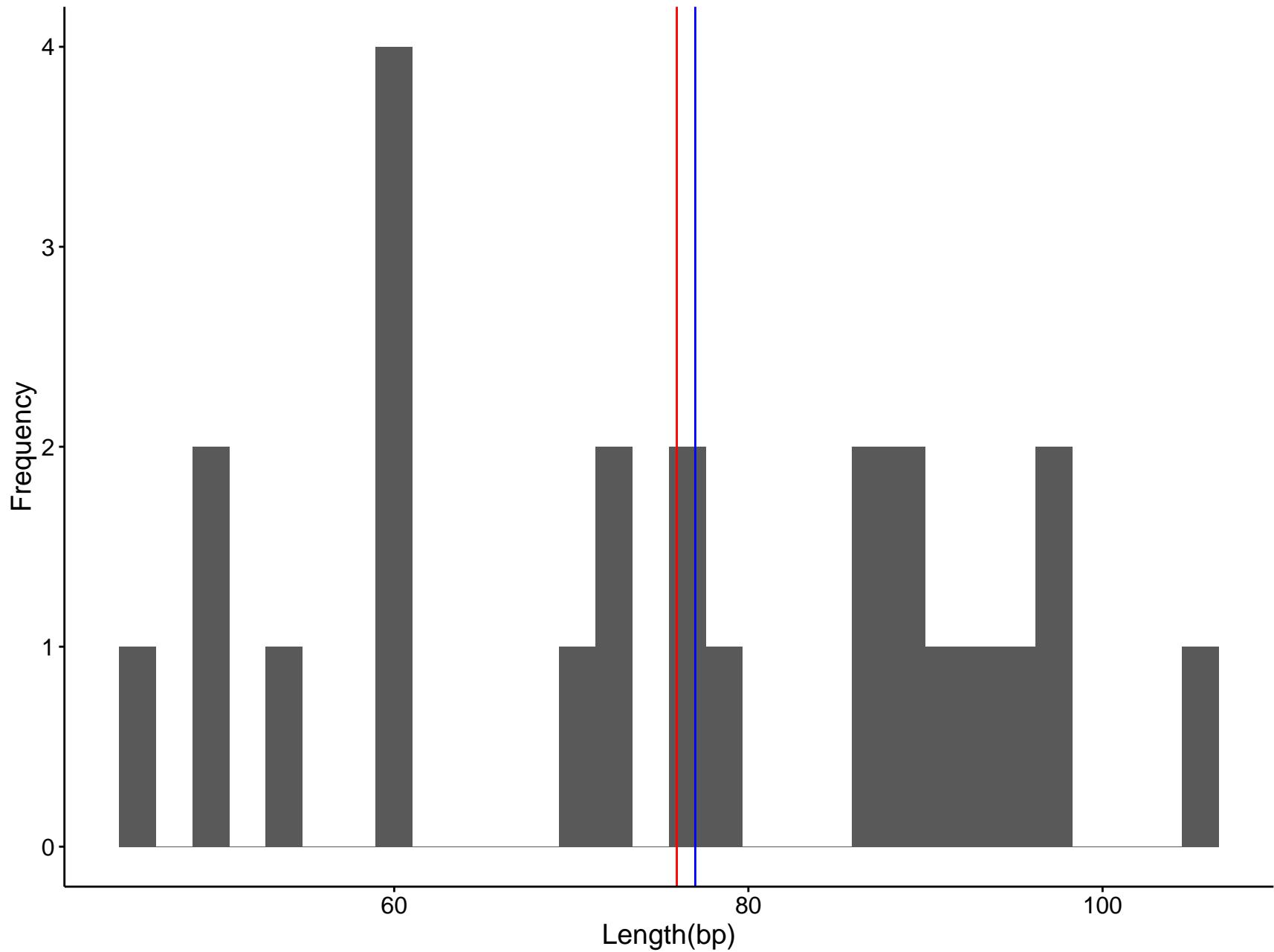
Cluster484



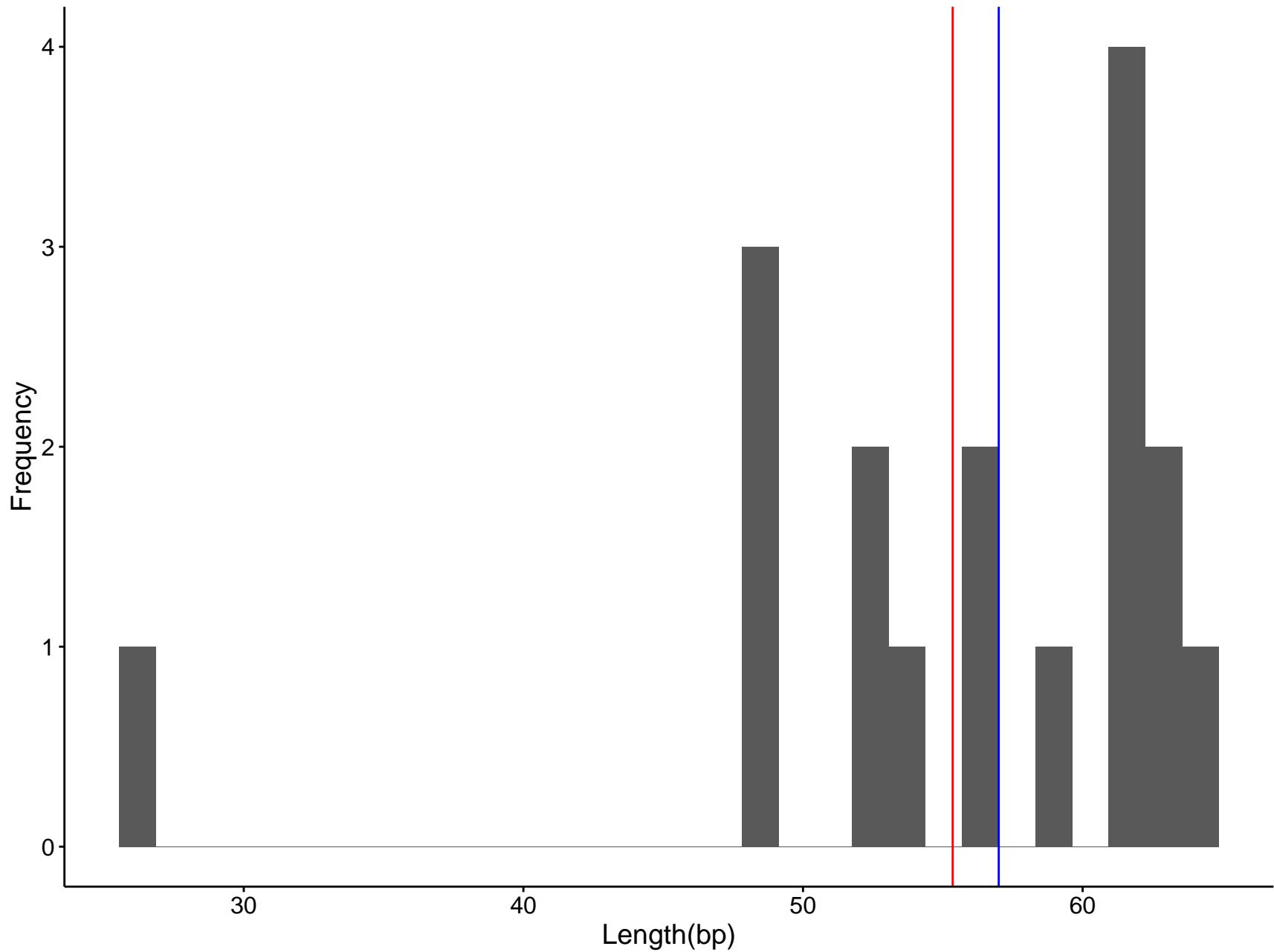
Cluster485



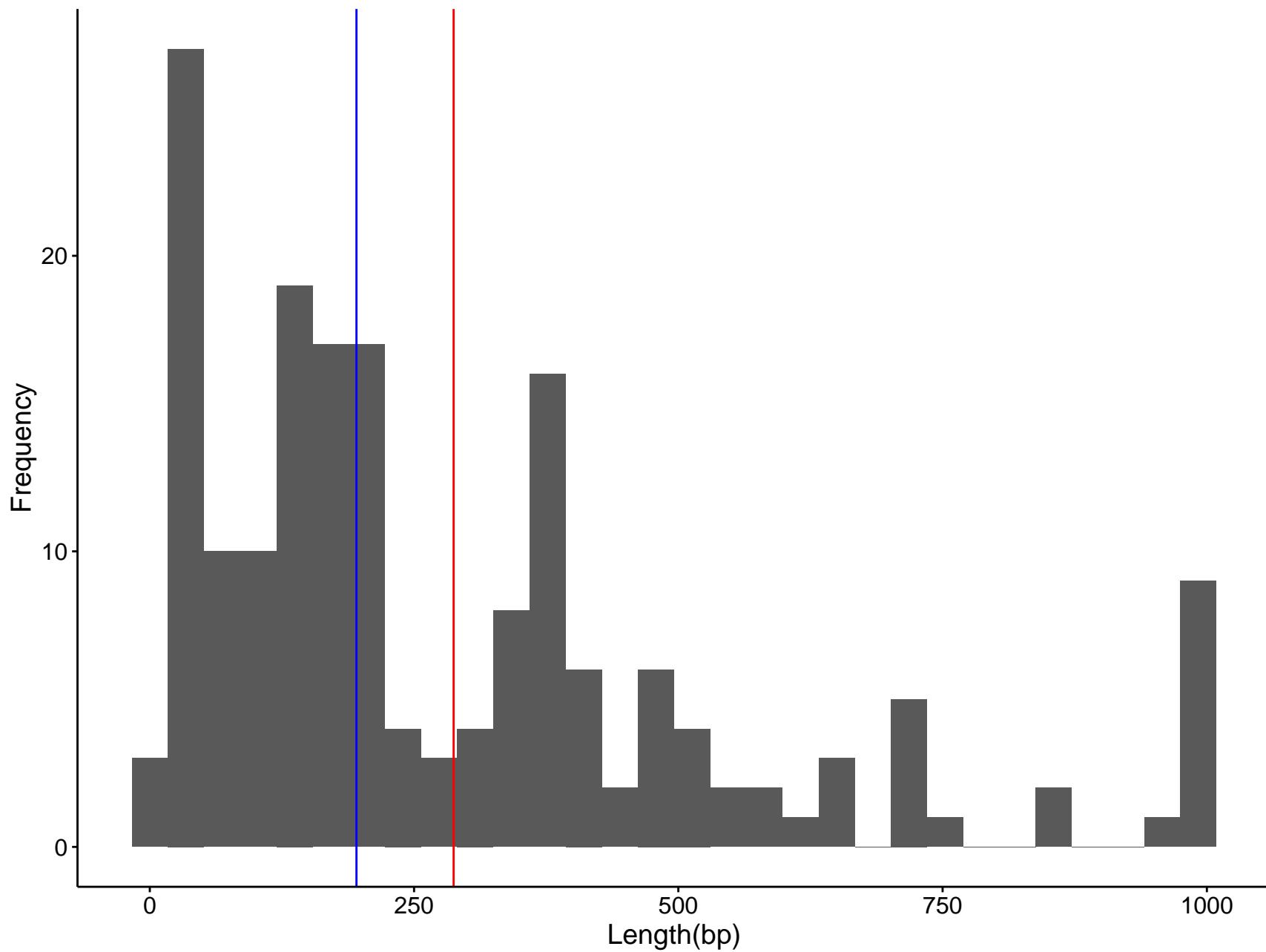
# Cluster486



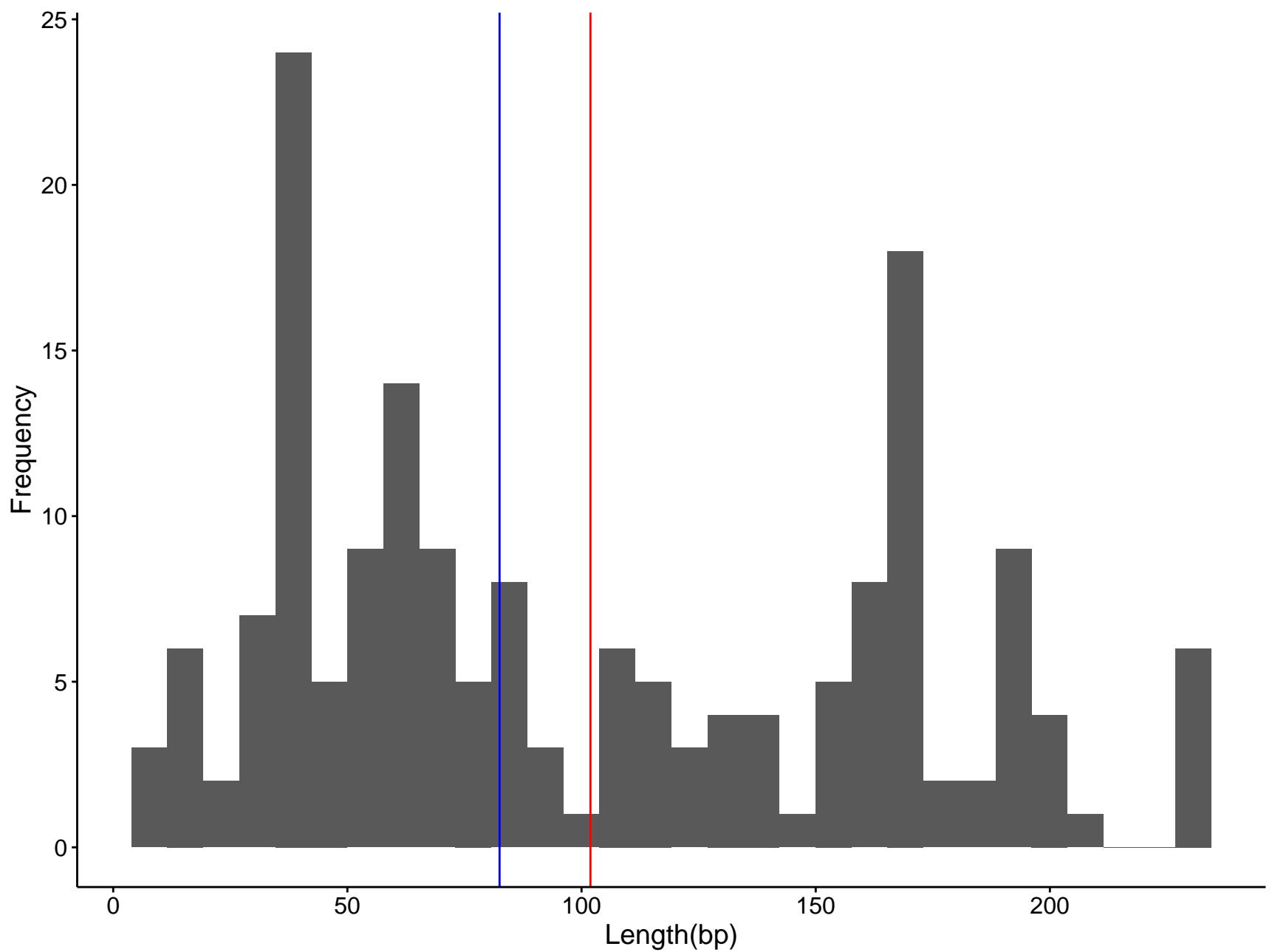
# Cluster487



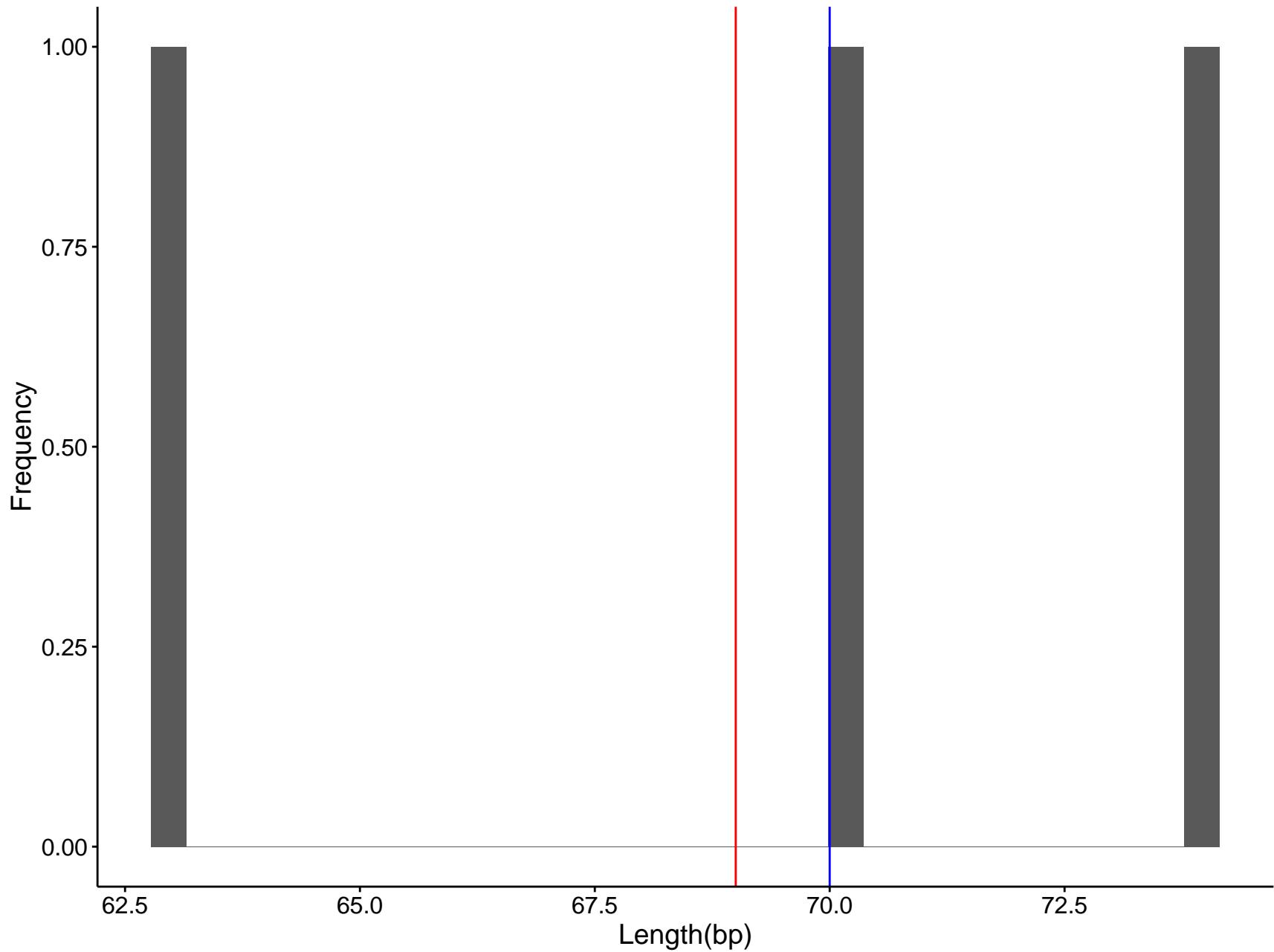
Cluster488



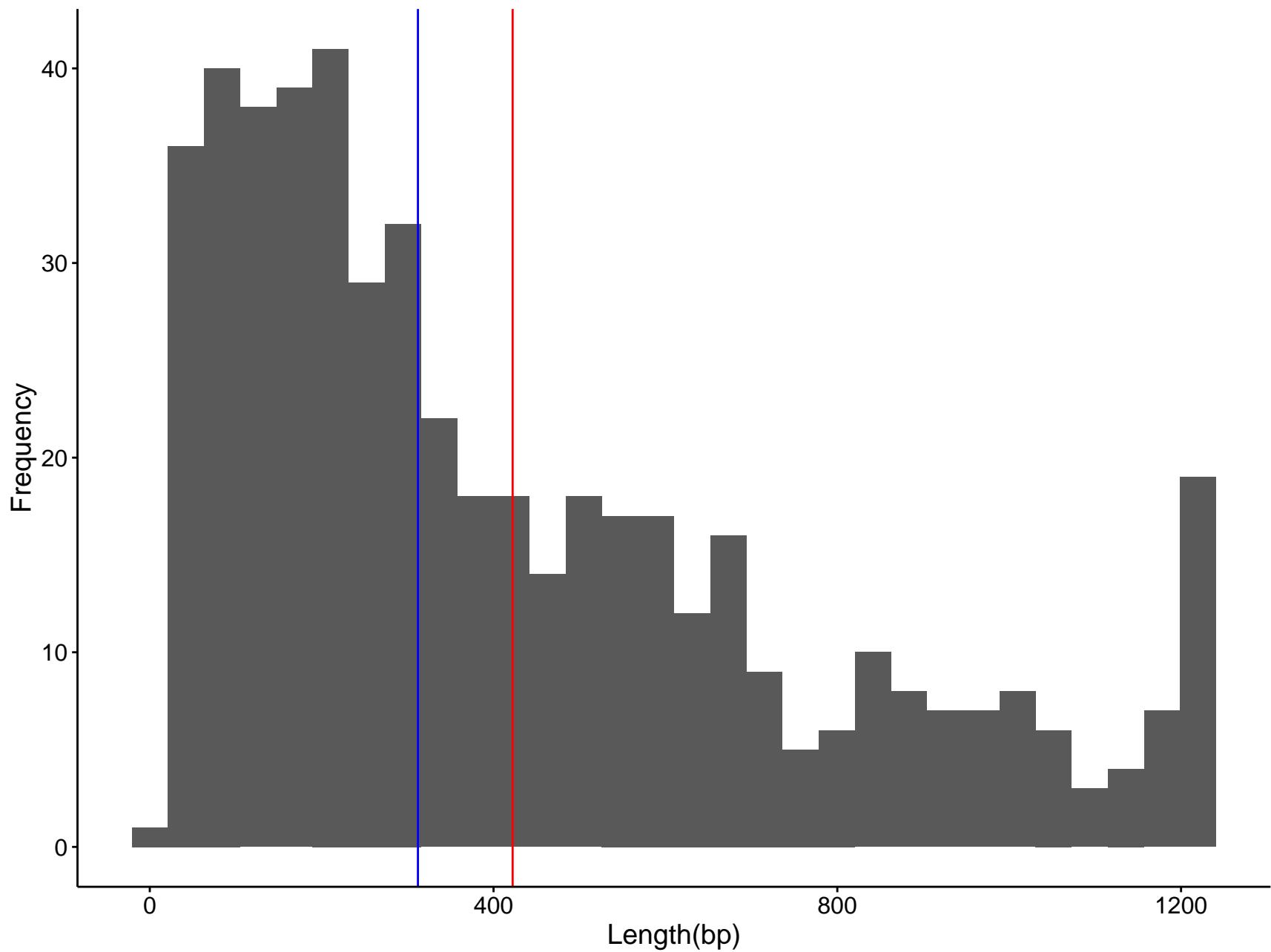
Cluster489



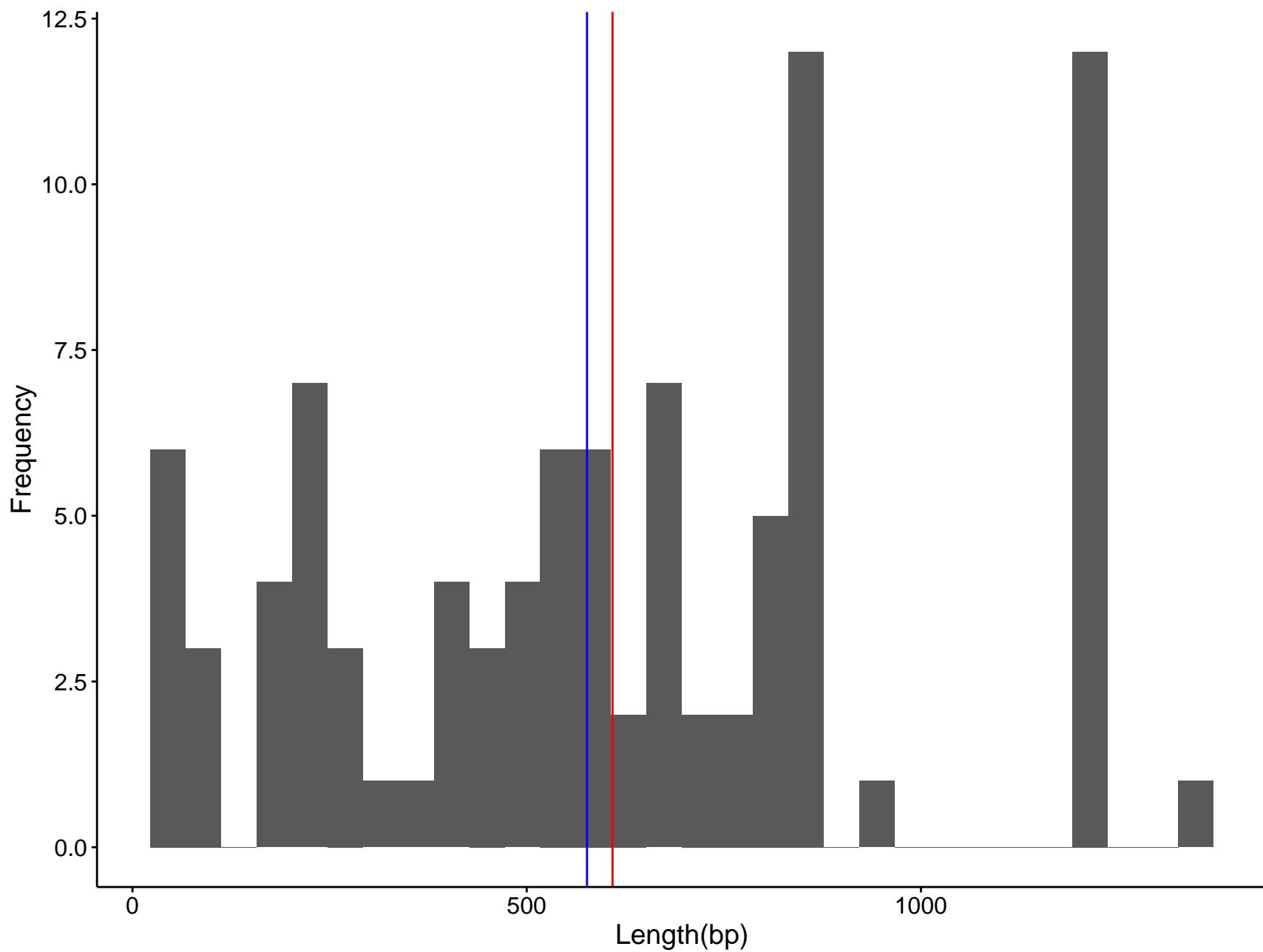
Cluster48



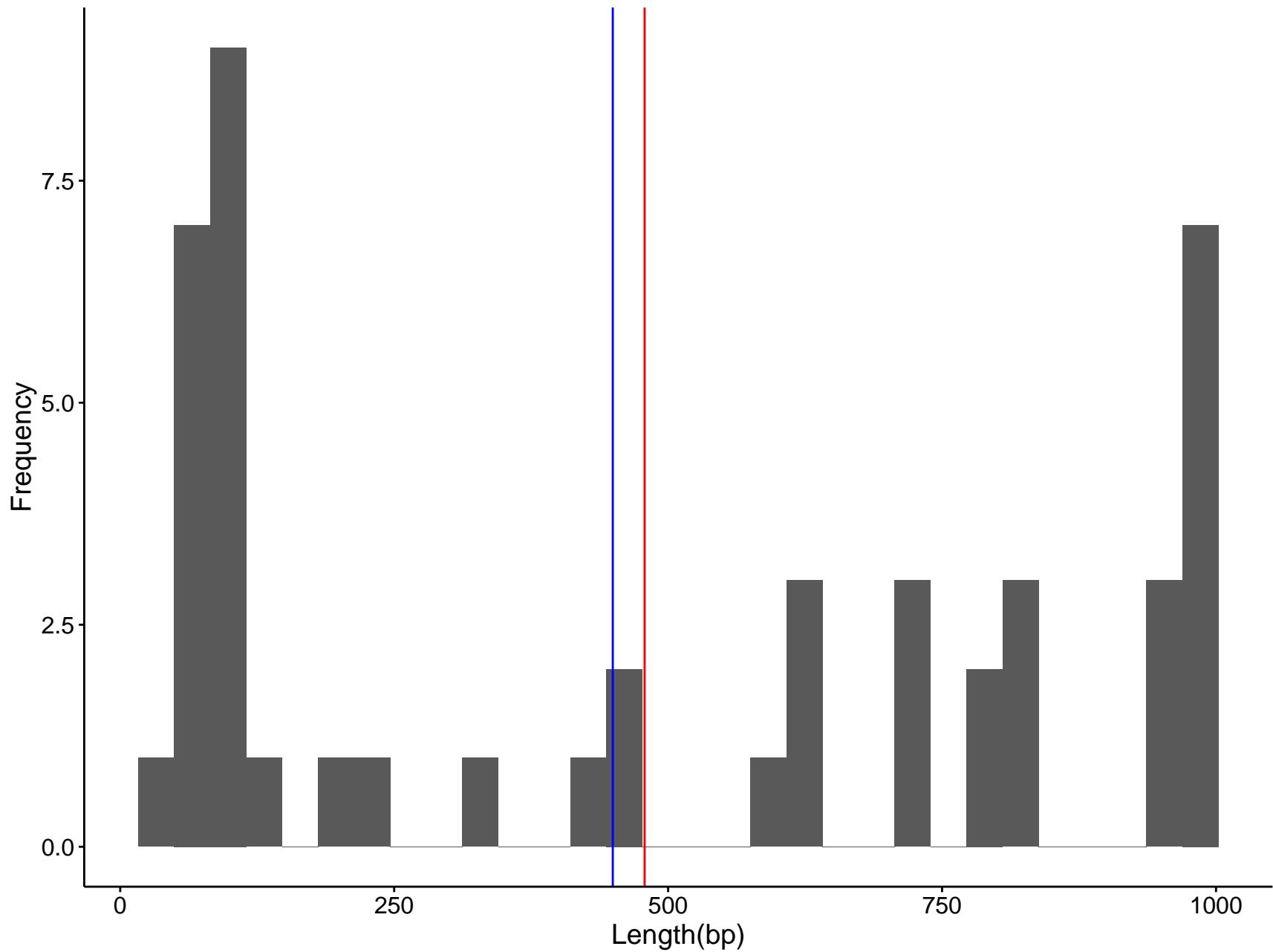
Cluster491



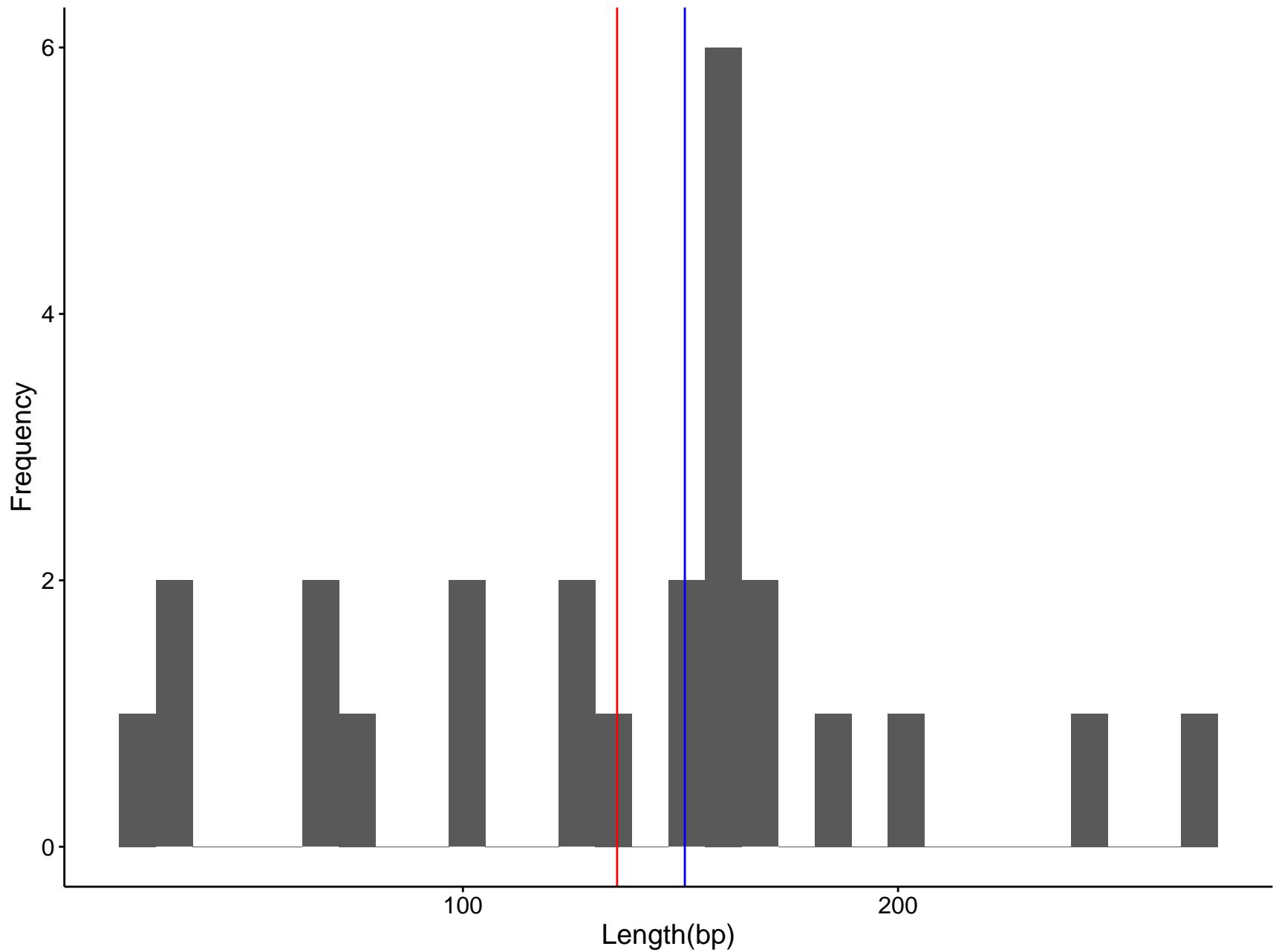
Cluster492



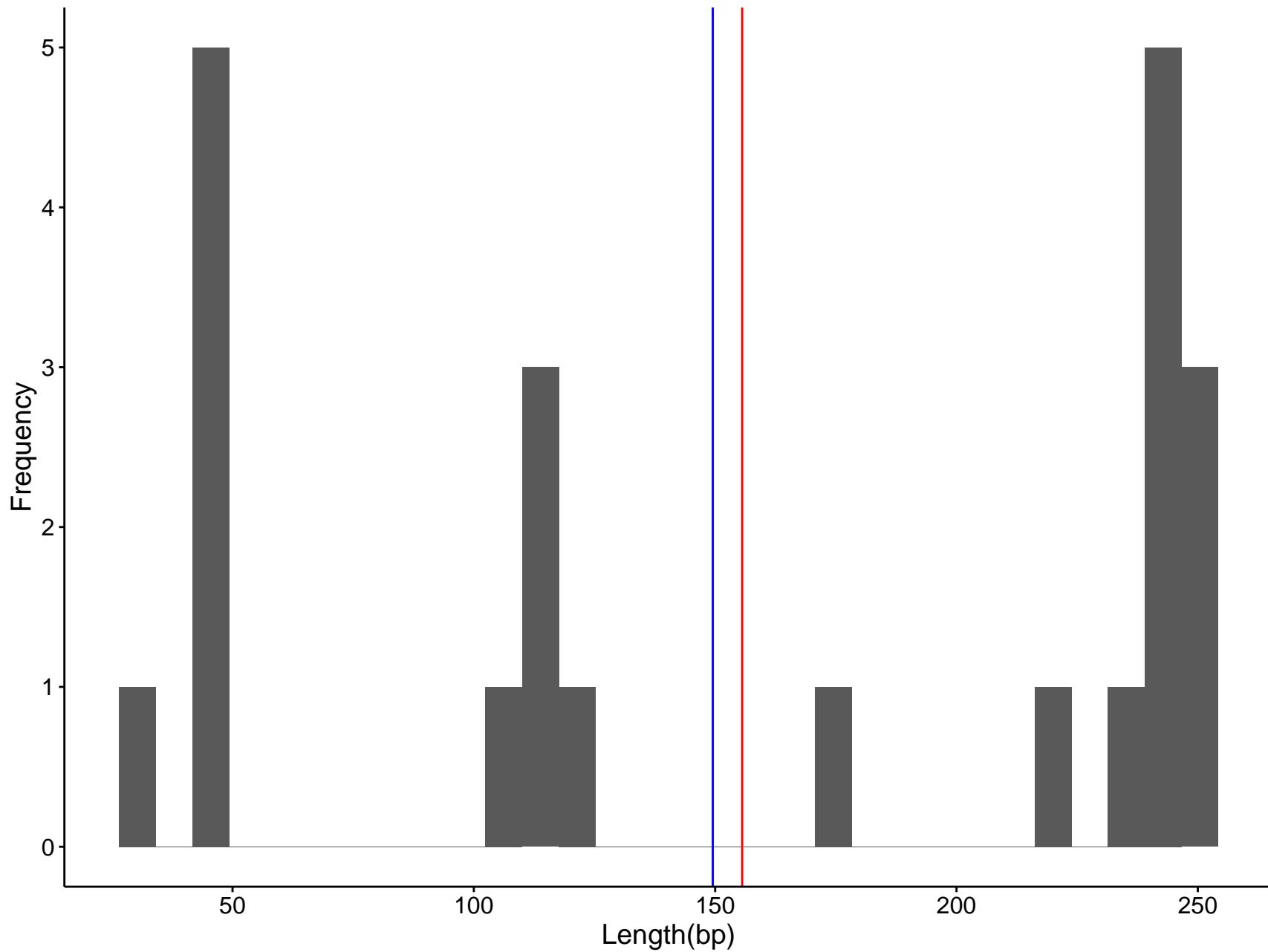
Cluster493



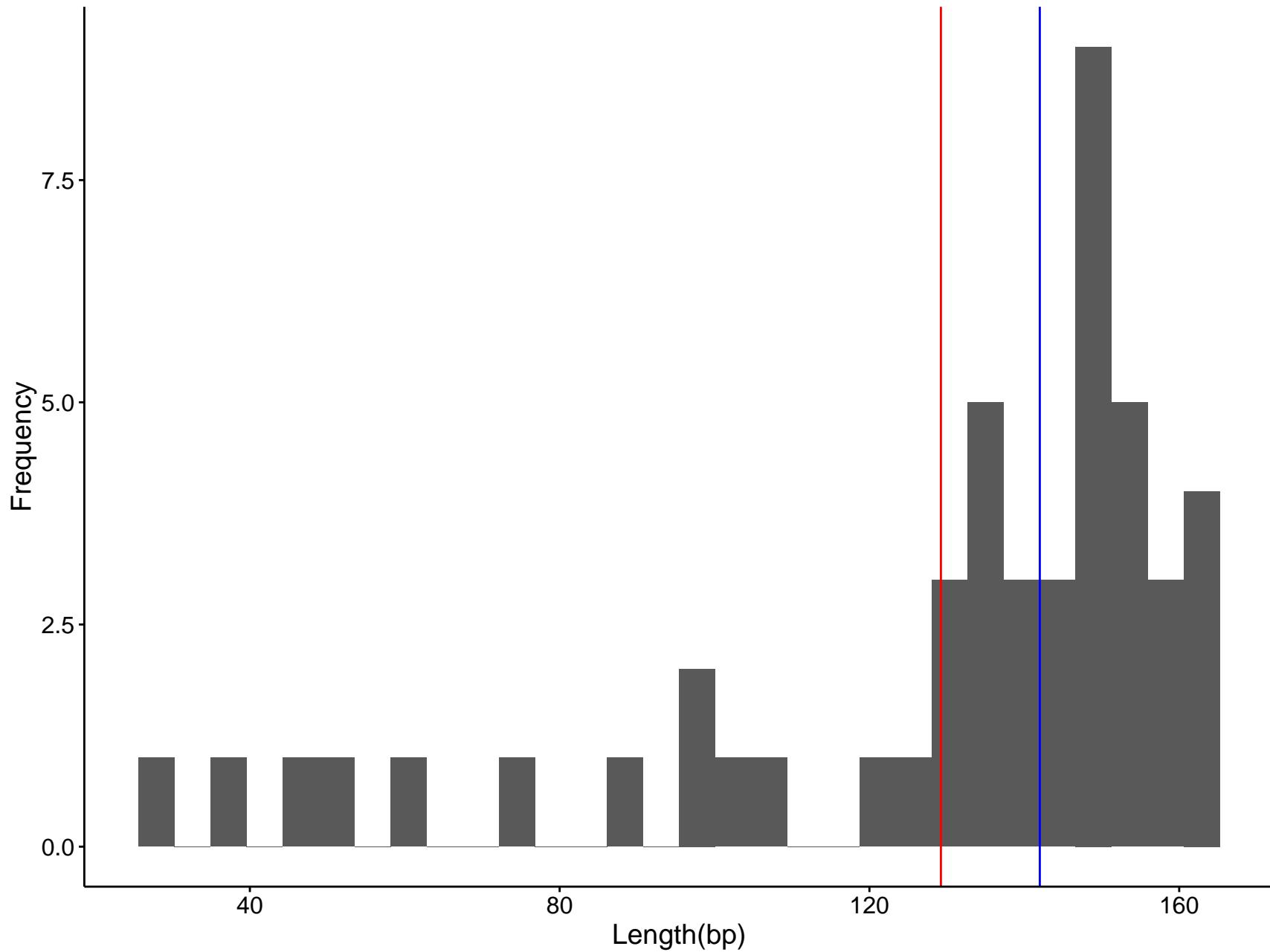
Cluster49



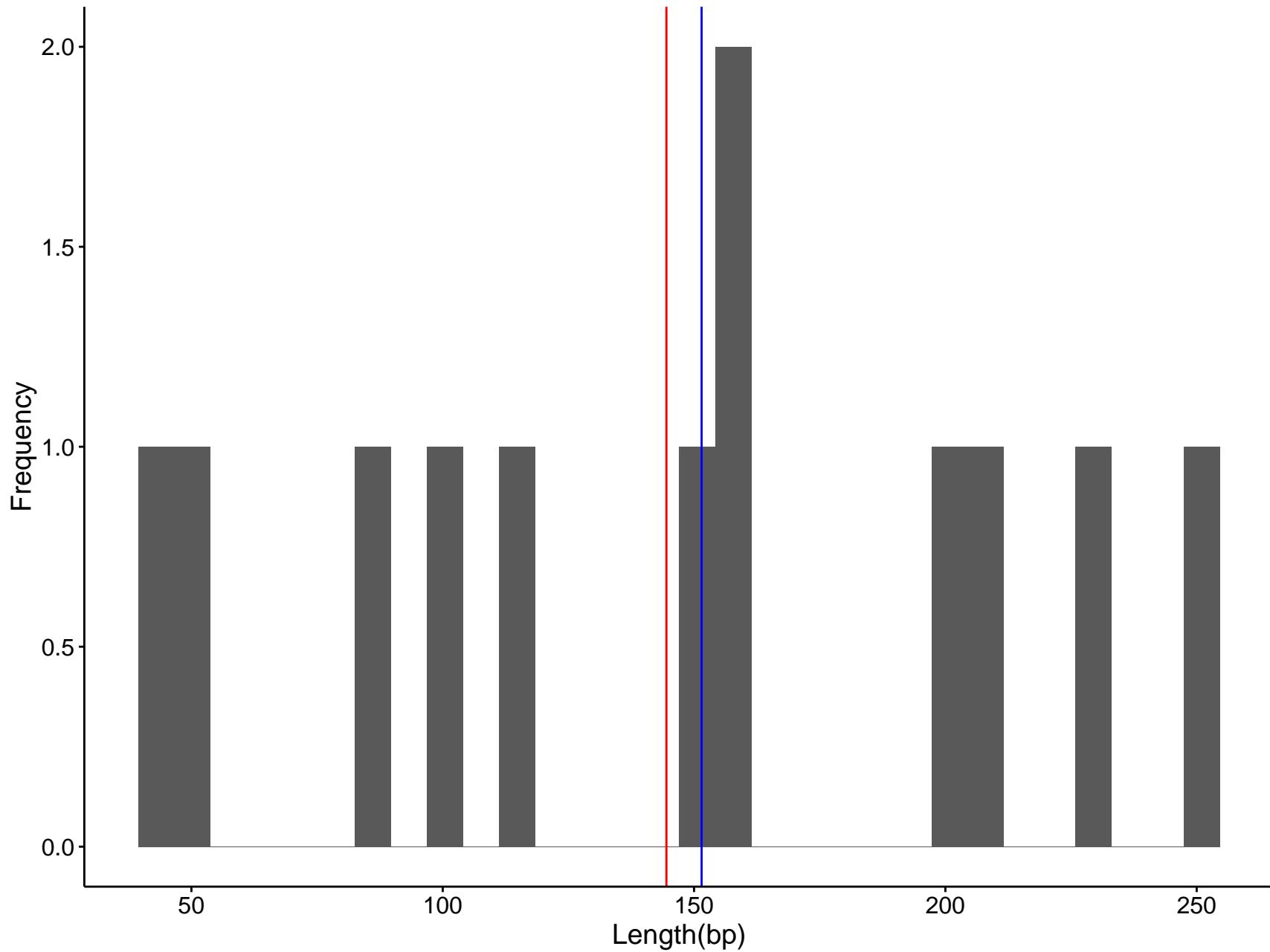
Cluster502



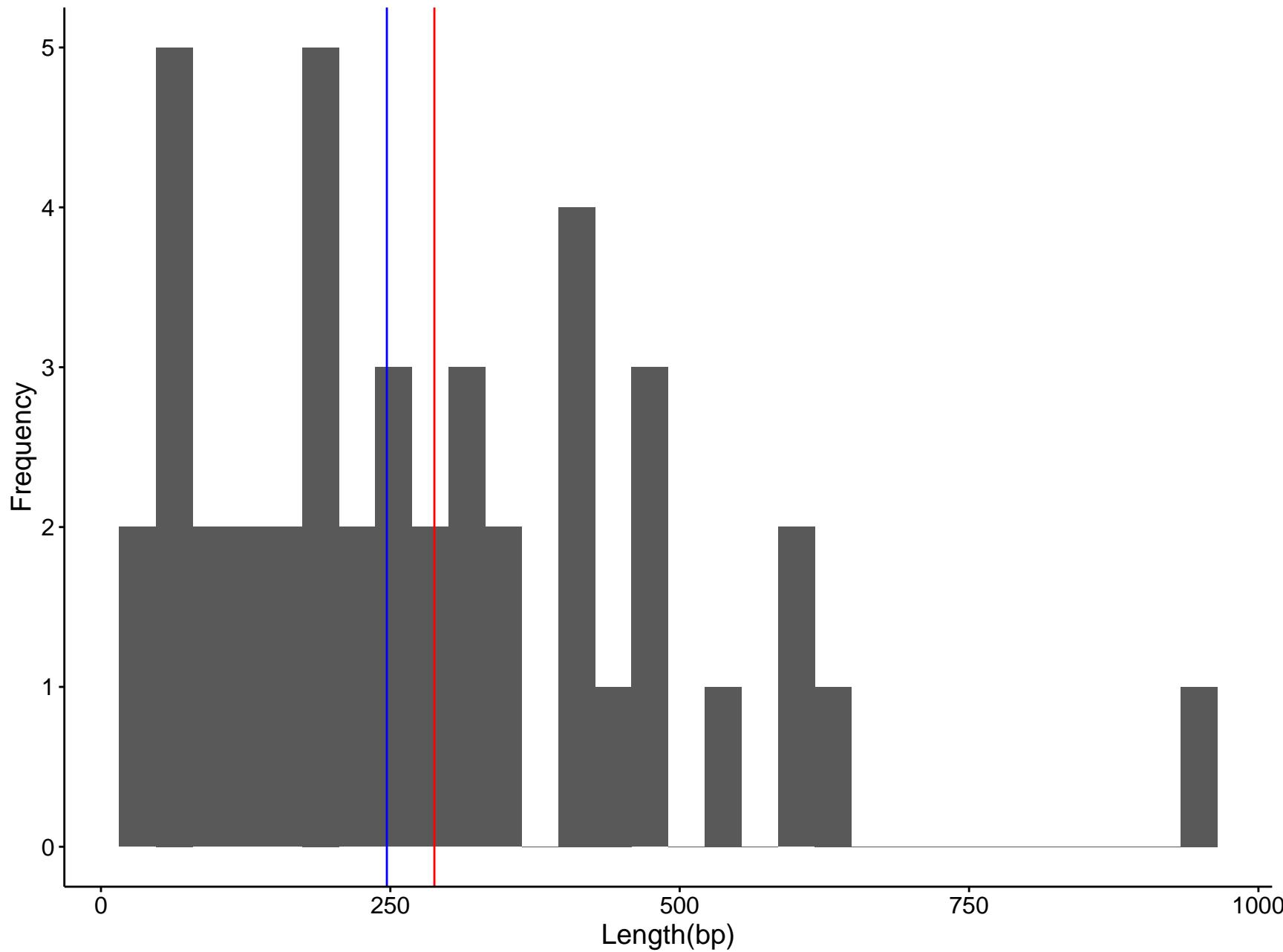
Cluster503



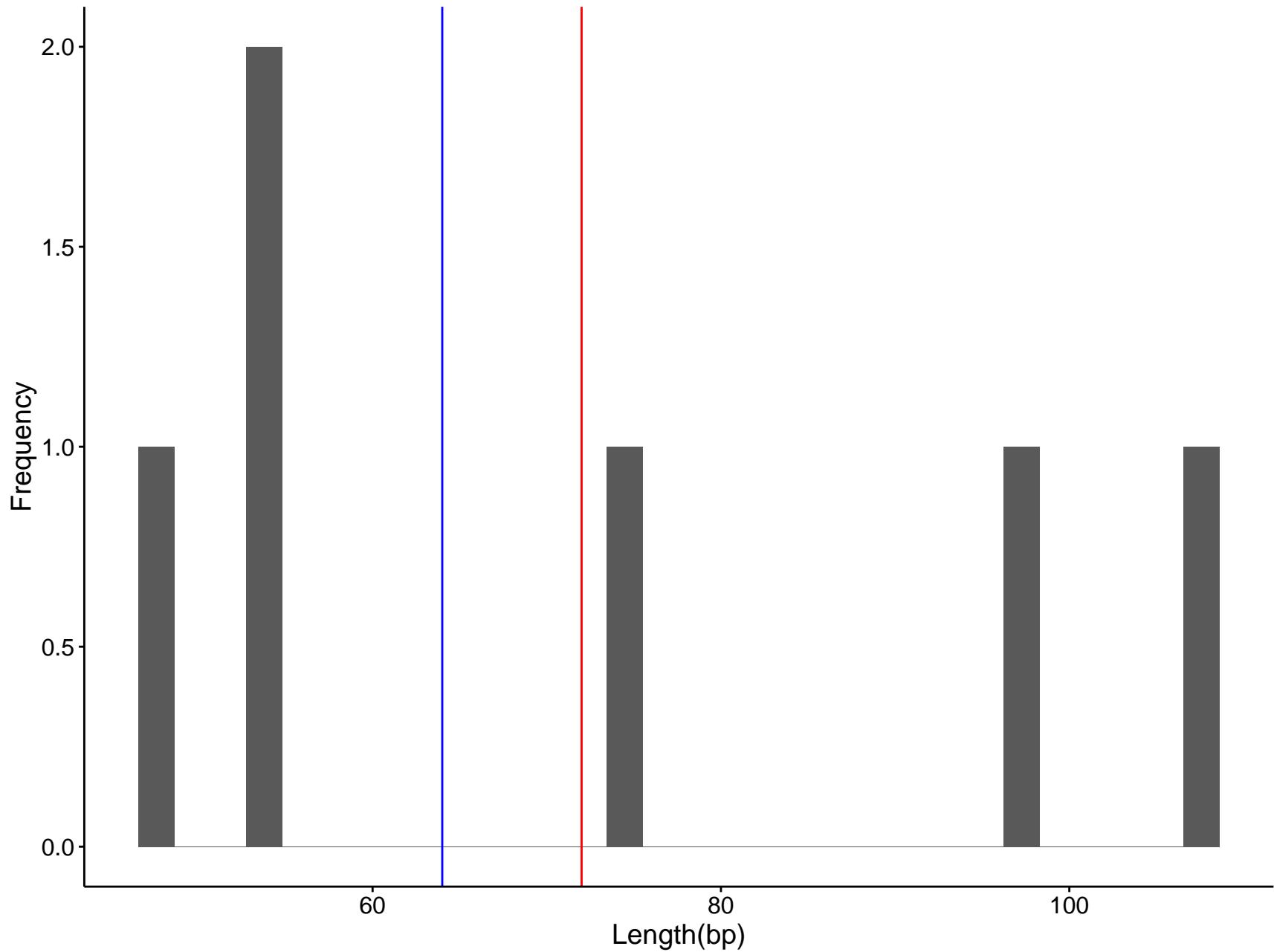
Cluster506

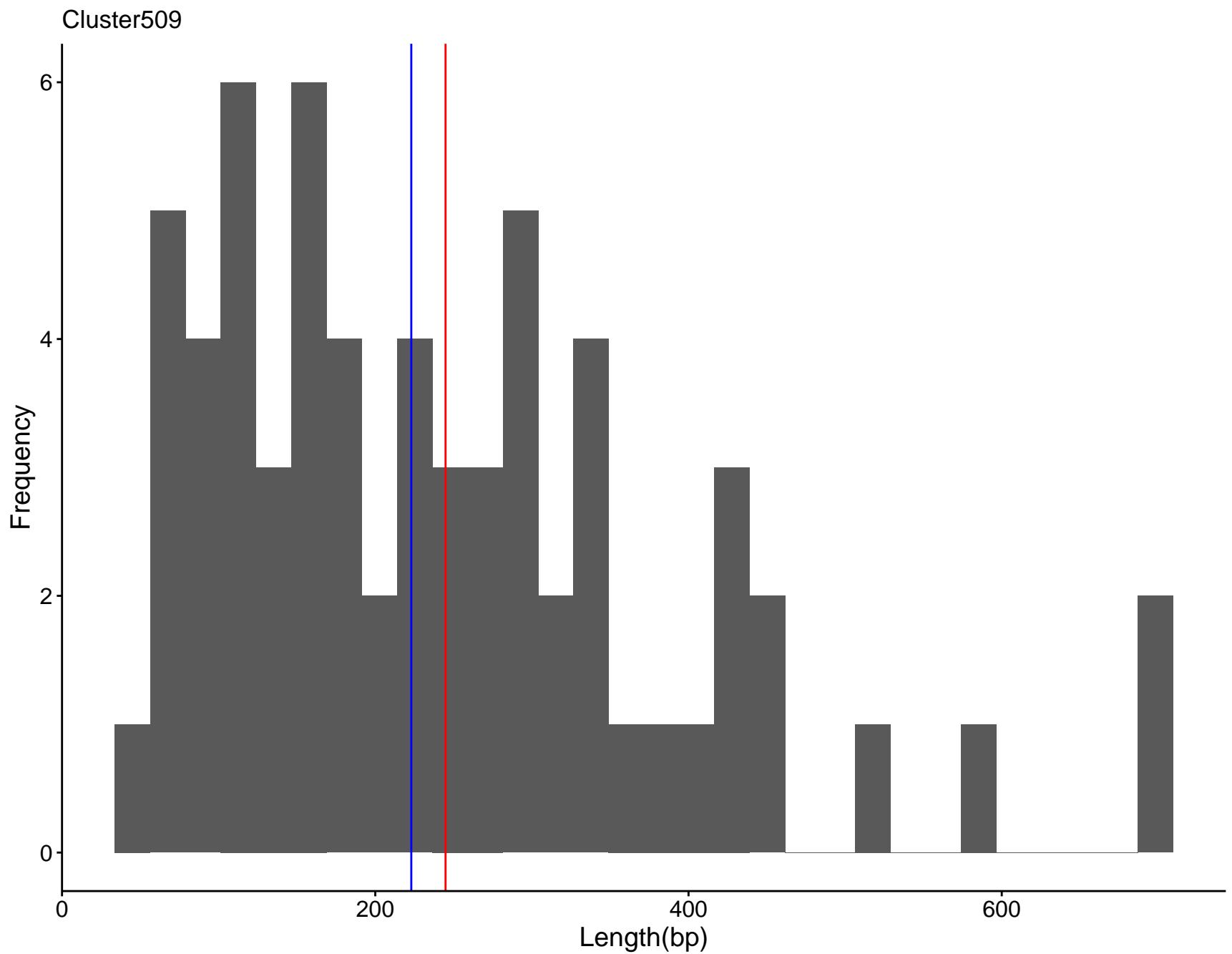


Cluster507

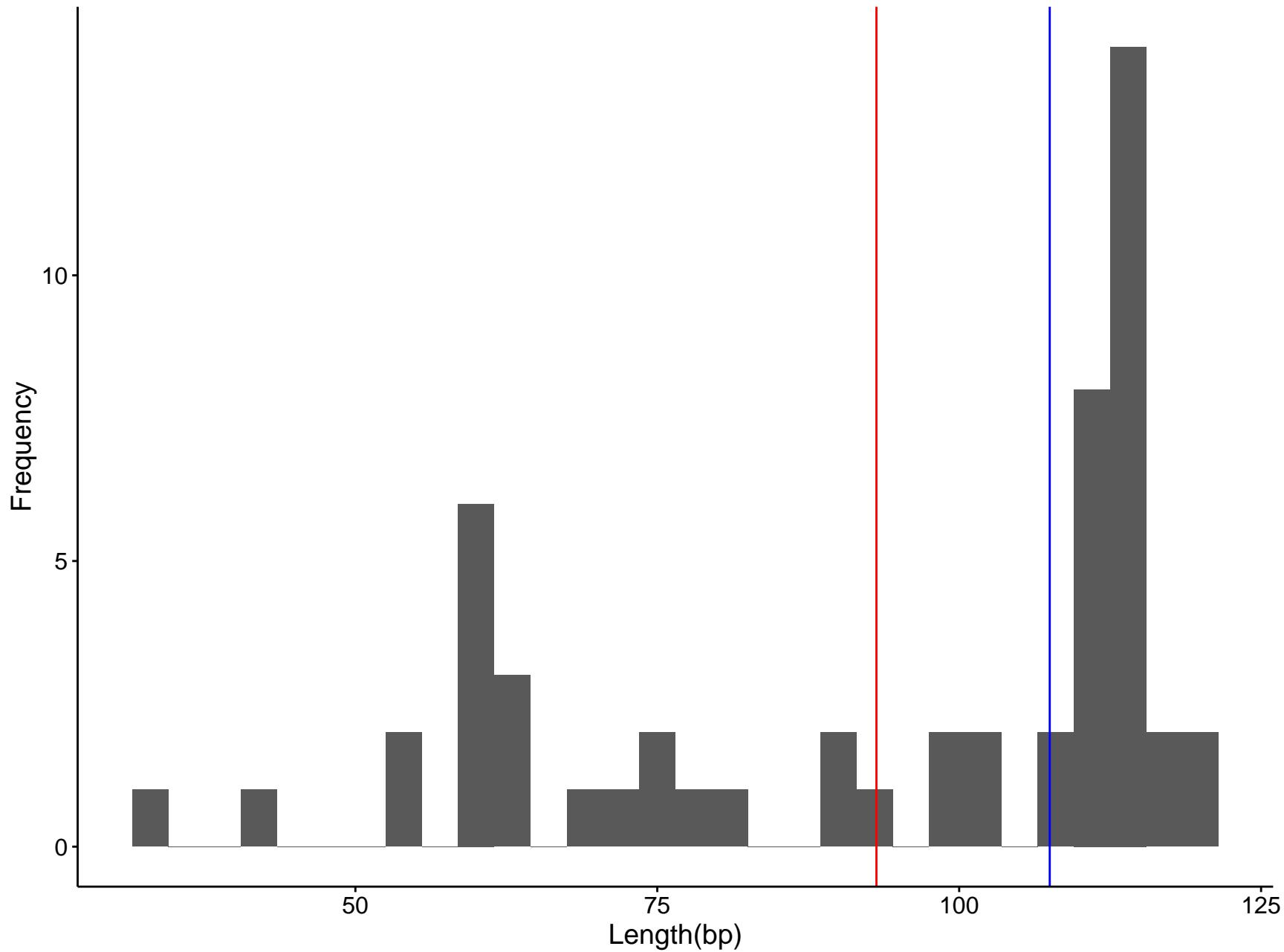


Cluster508

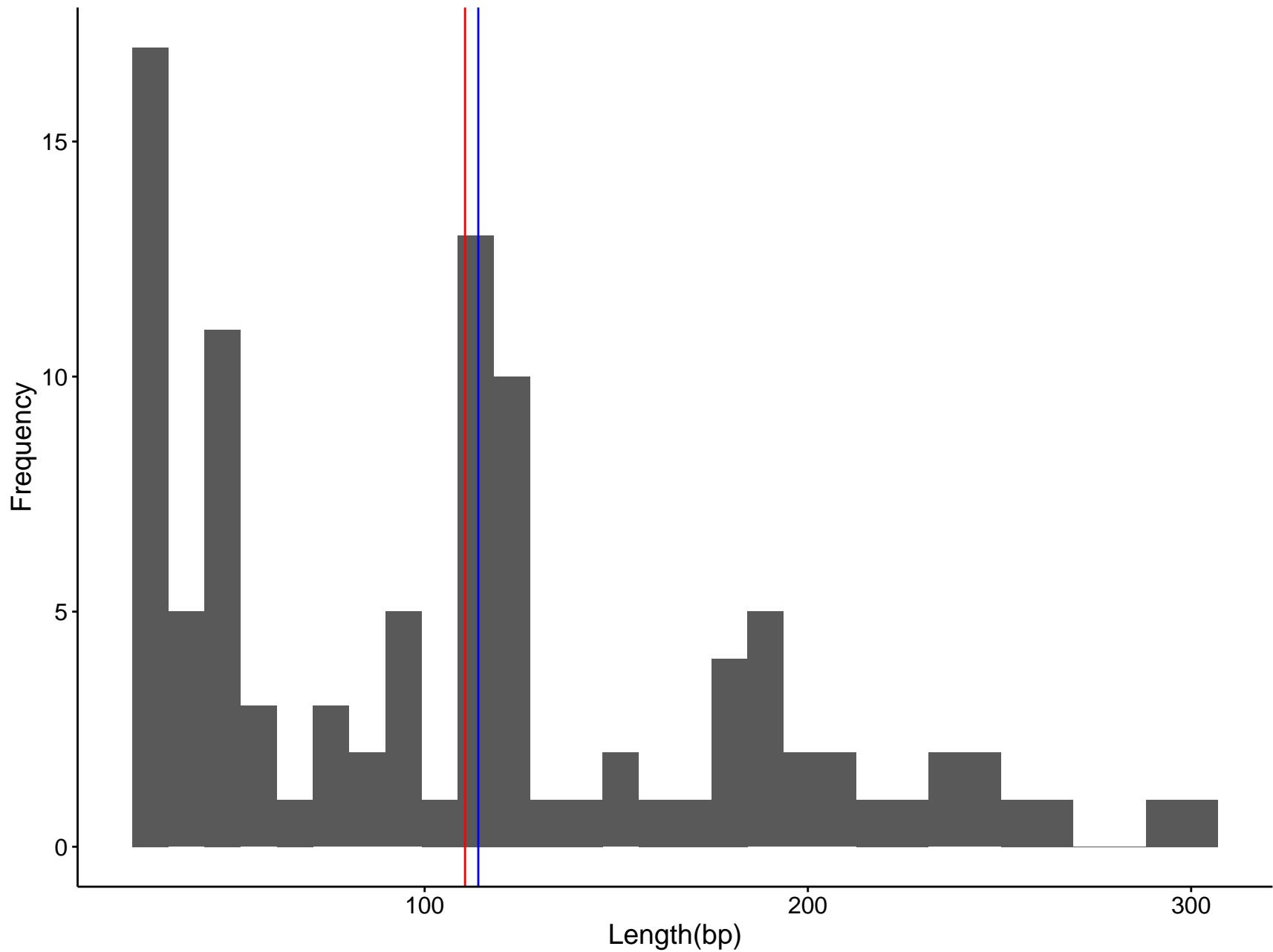


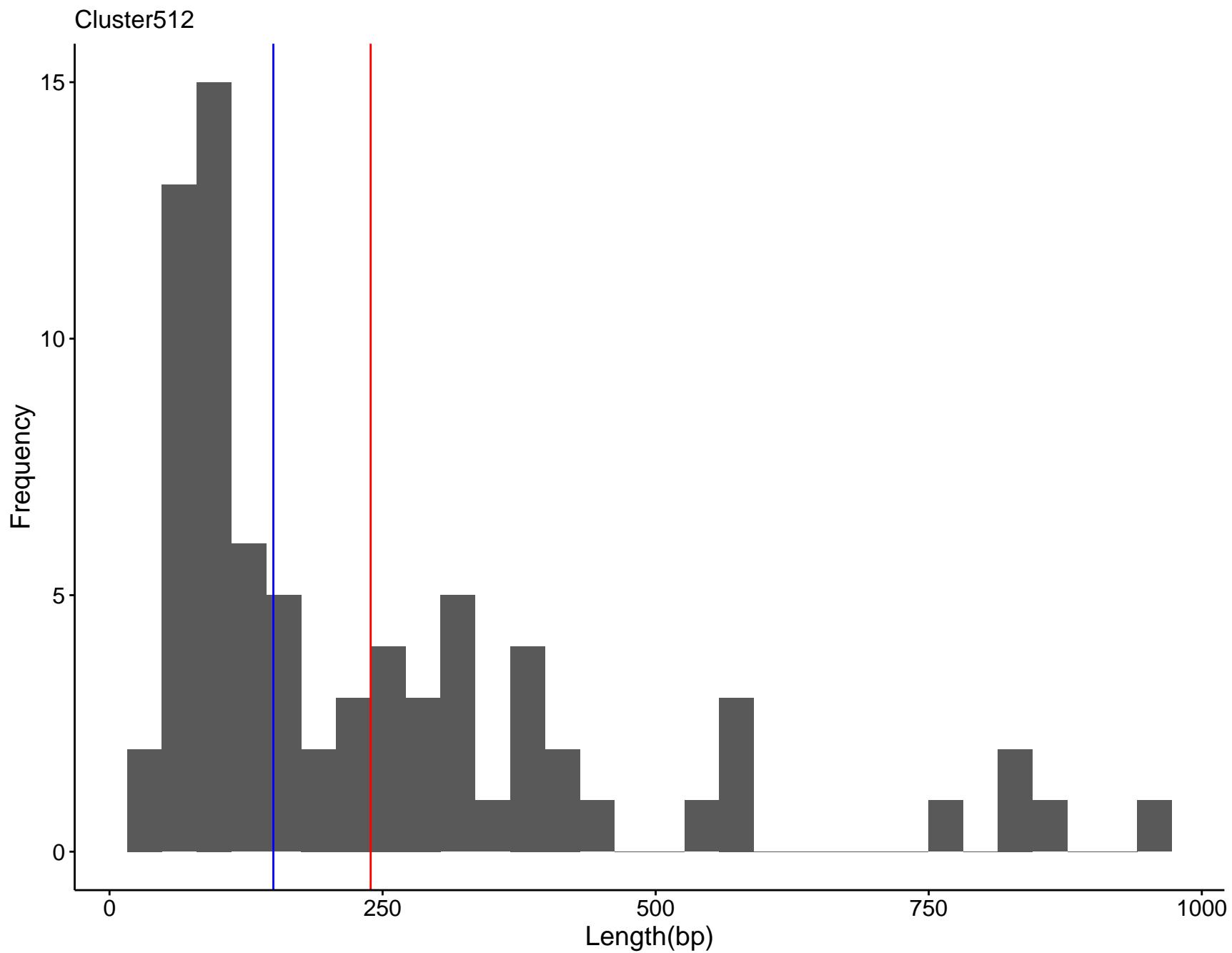


Cluster50

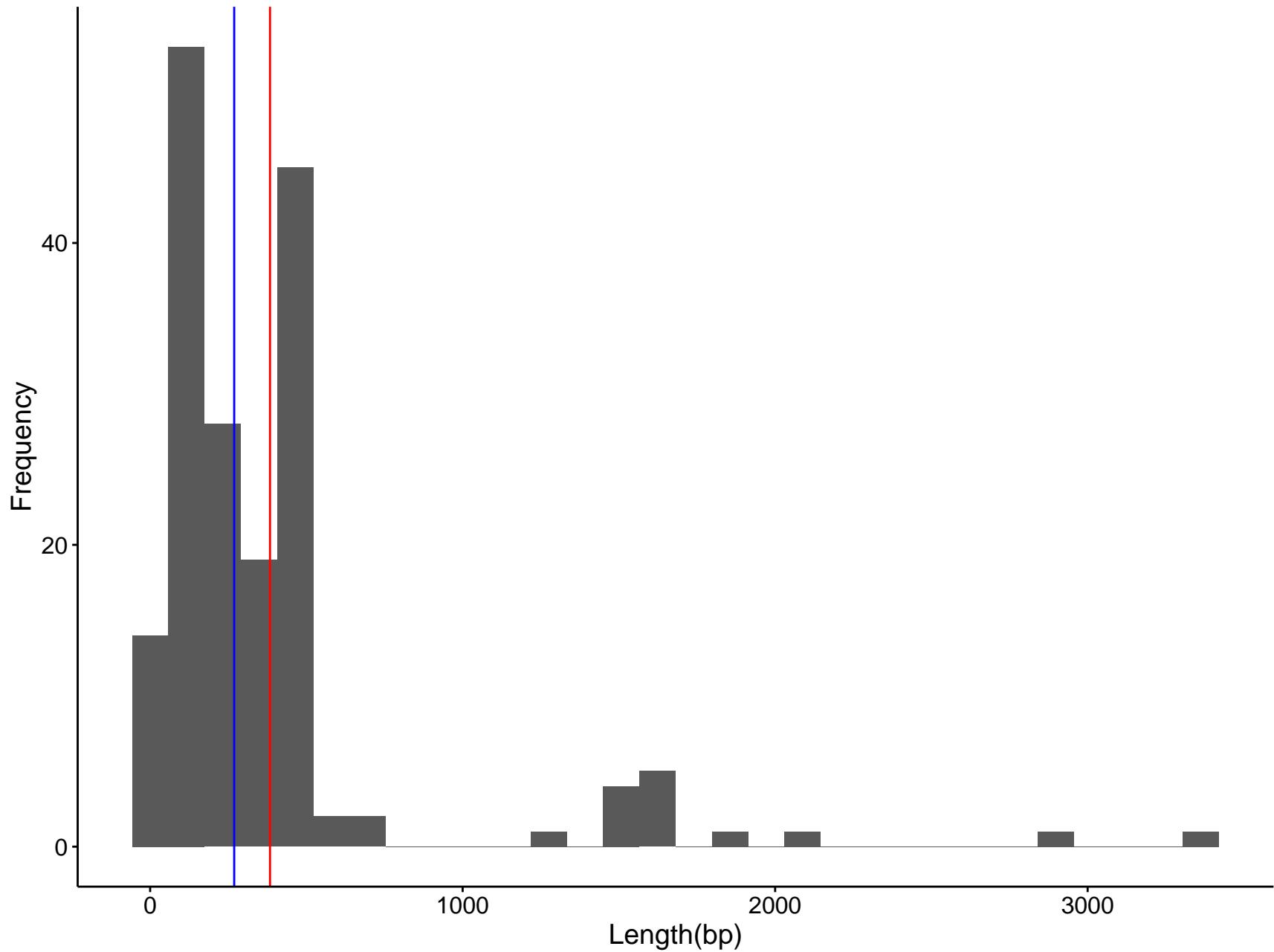


Cluster511

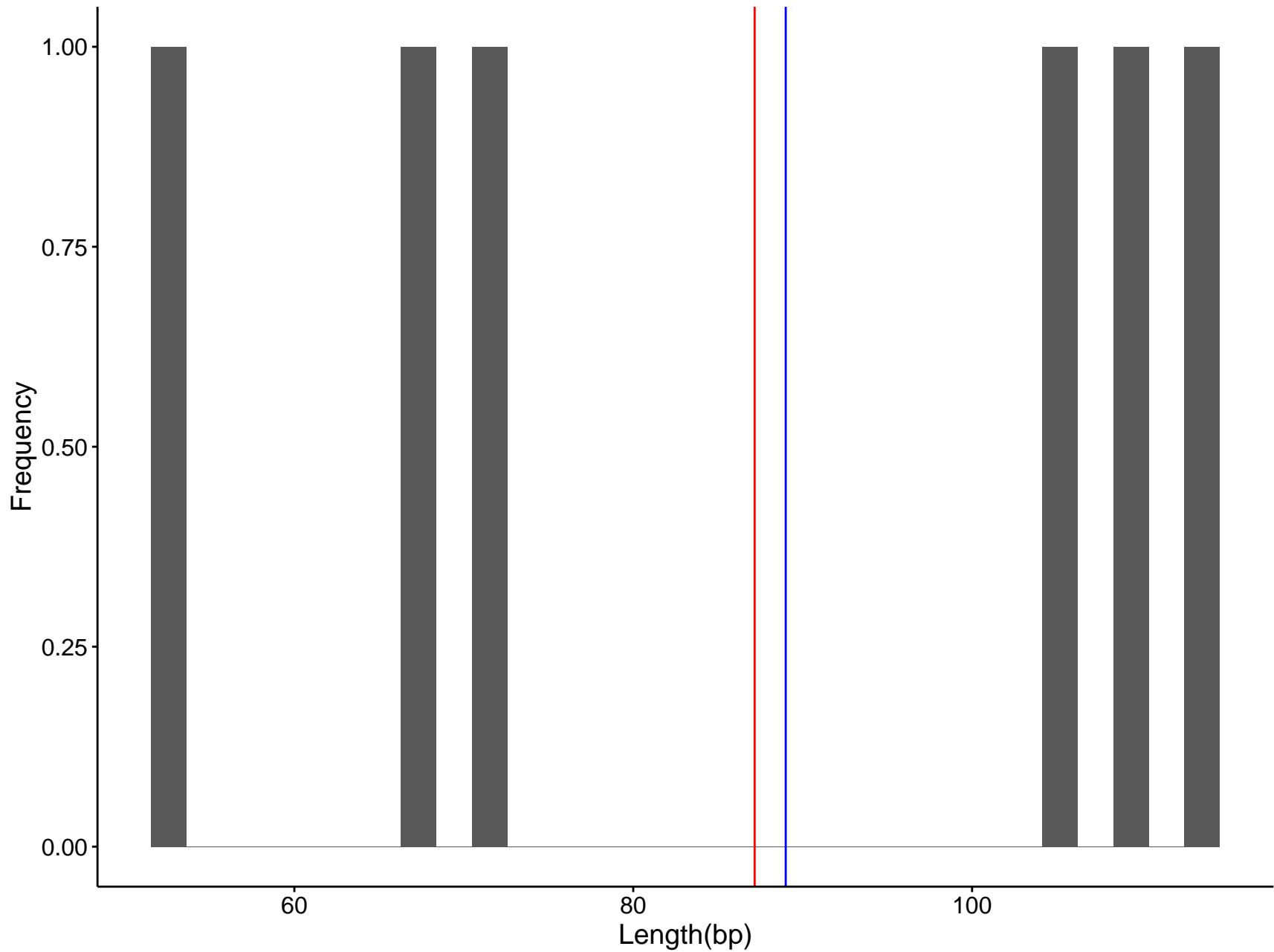




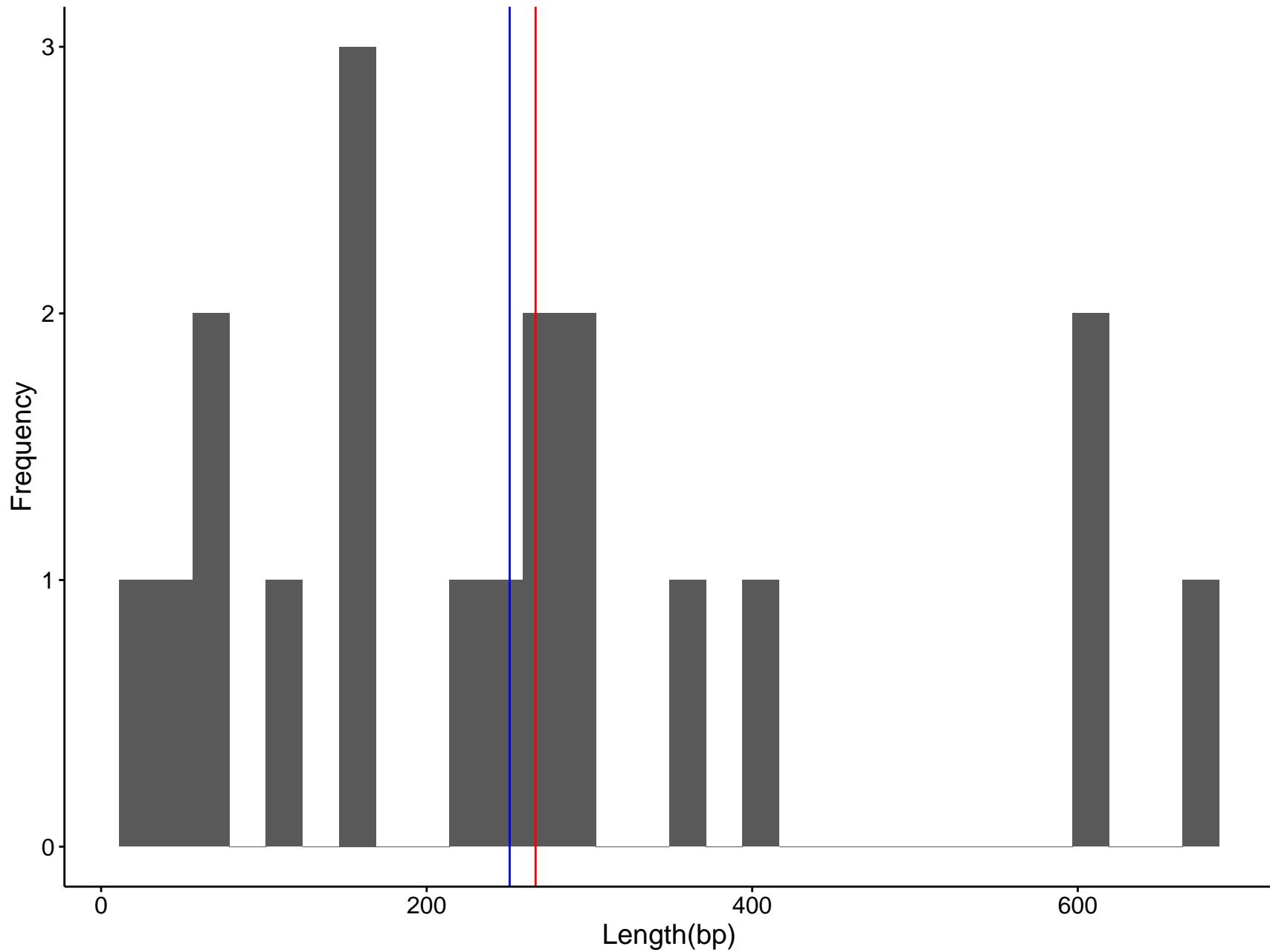
Cluster514



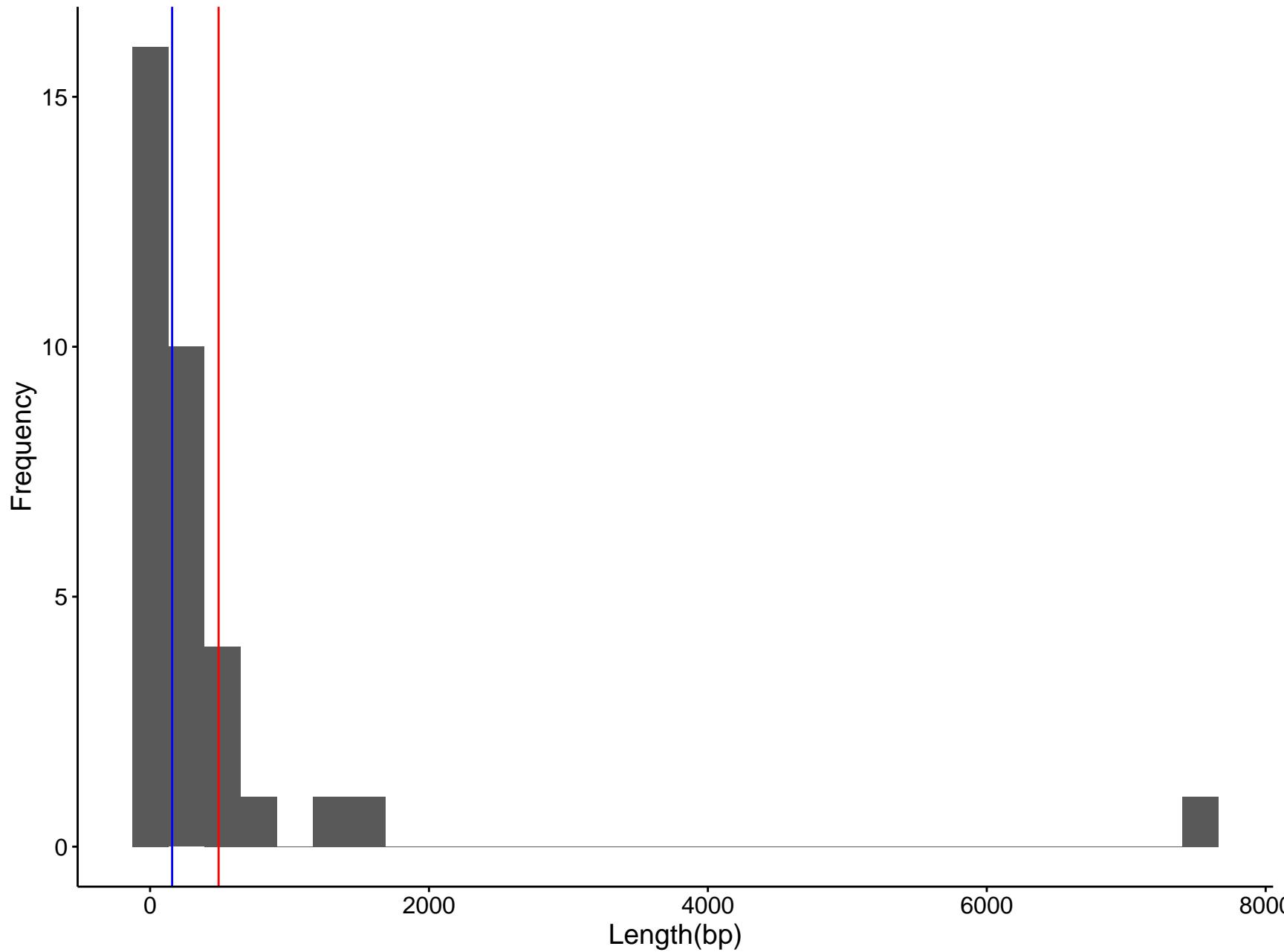
Cluster515



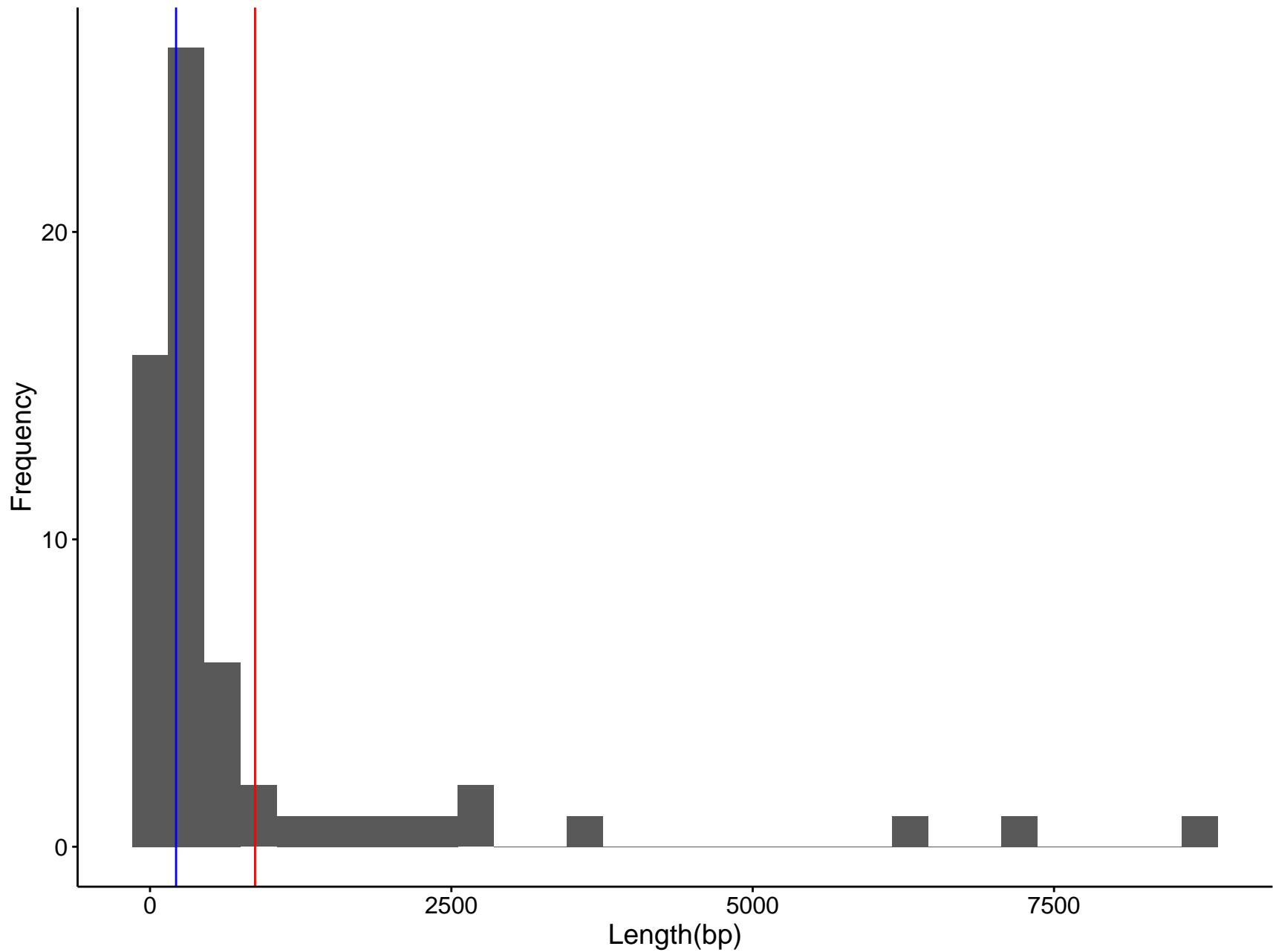
Cluster516



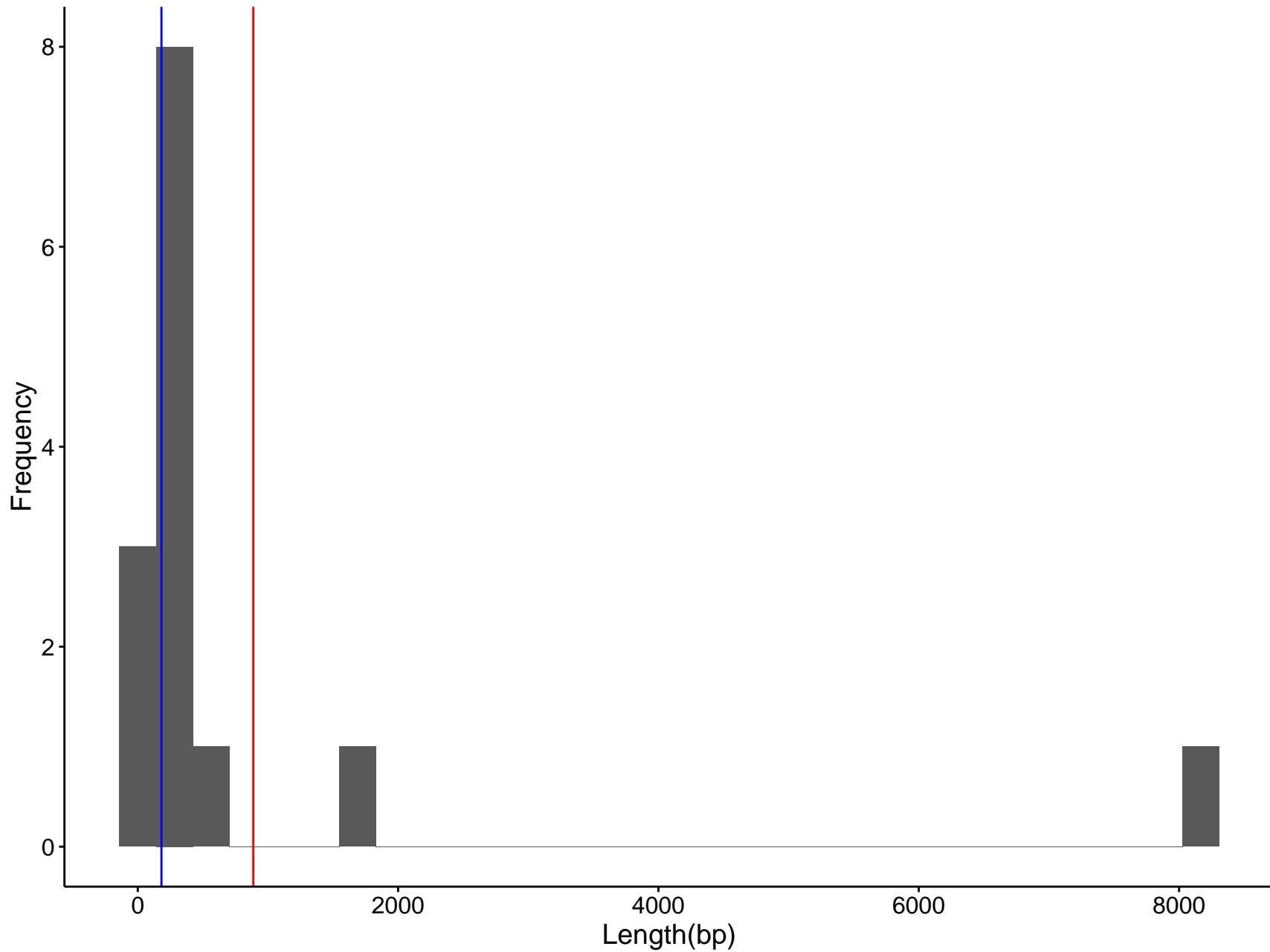
Cluster518



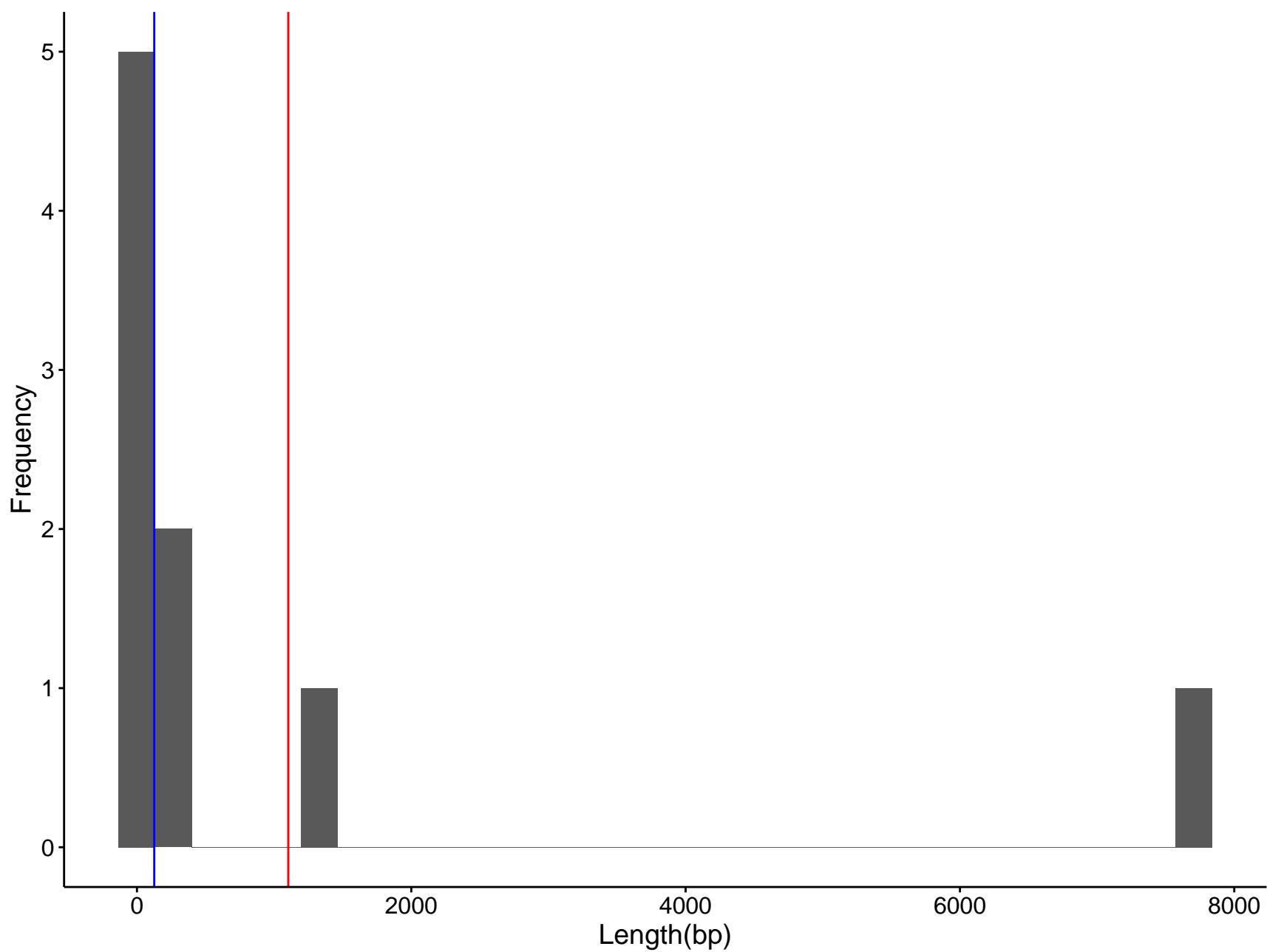
Cluster519



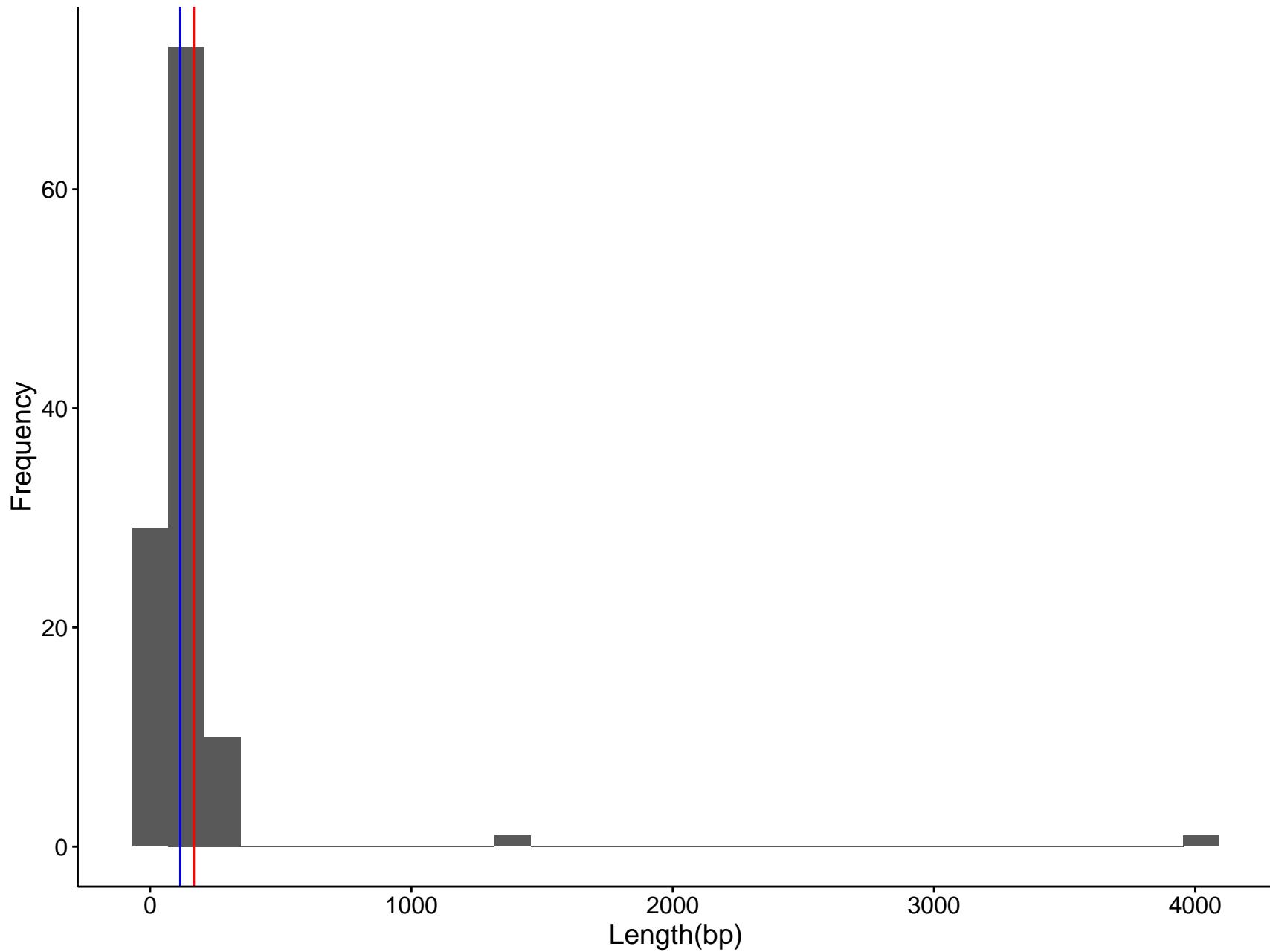
Cluster520



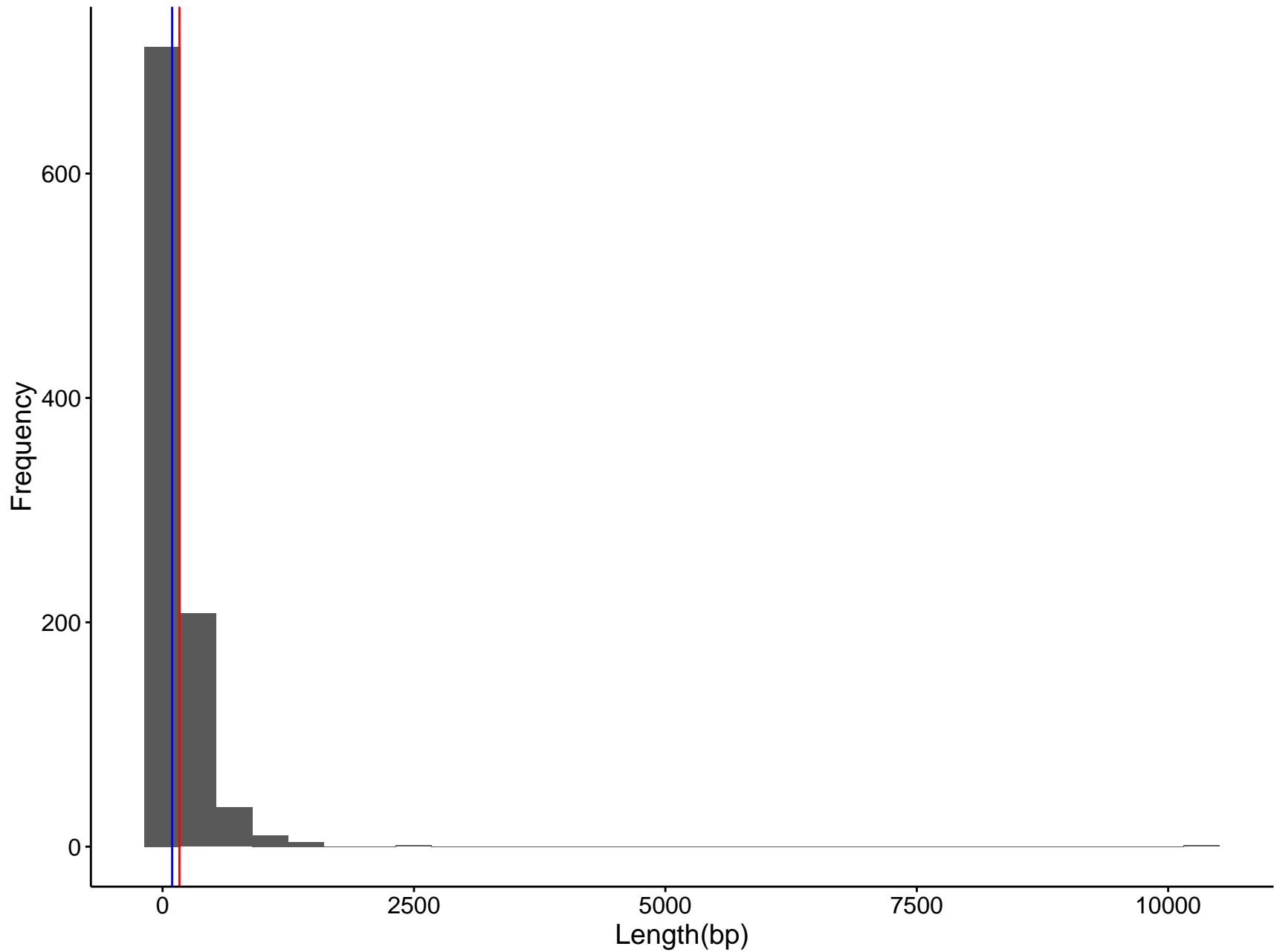
Cluster523



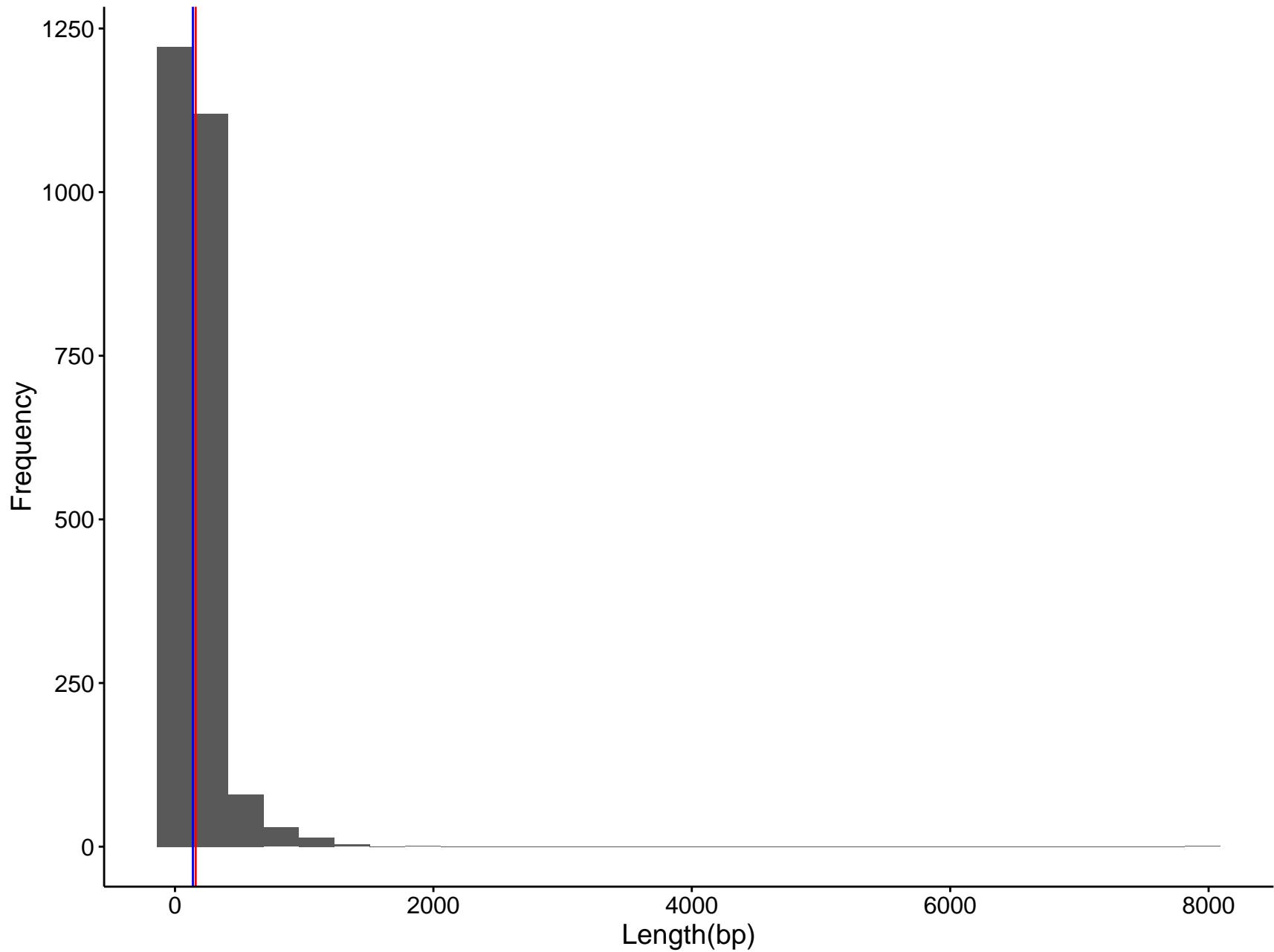
Cluster524



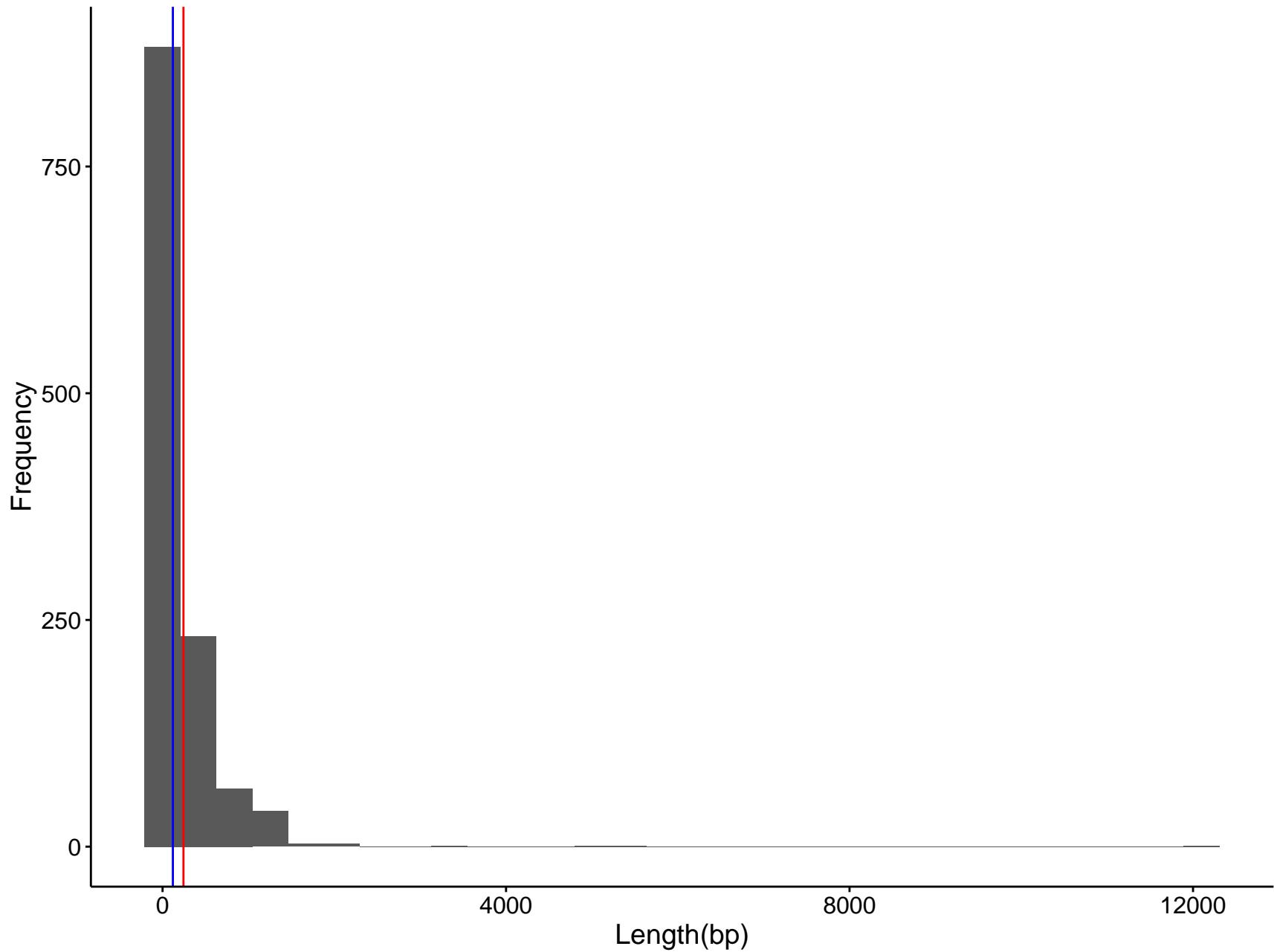
Cluster525

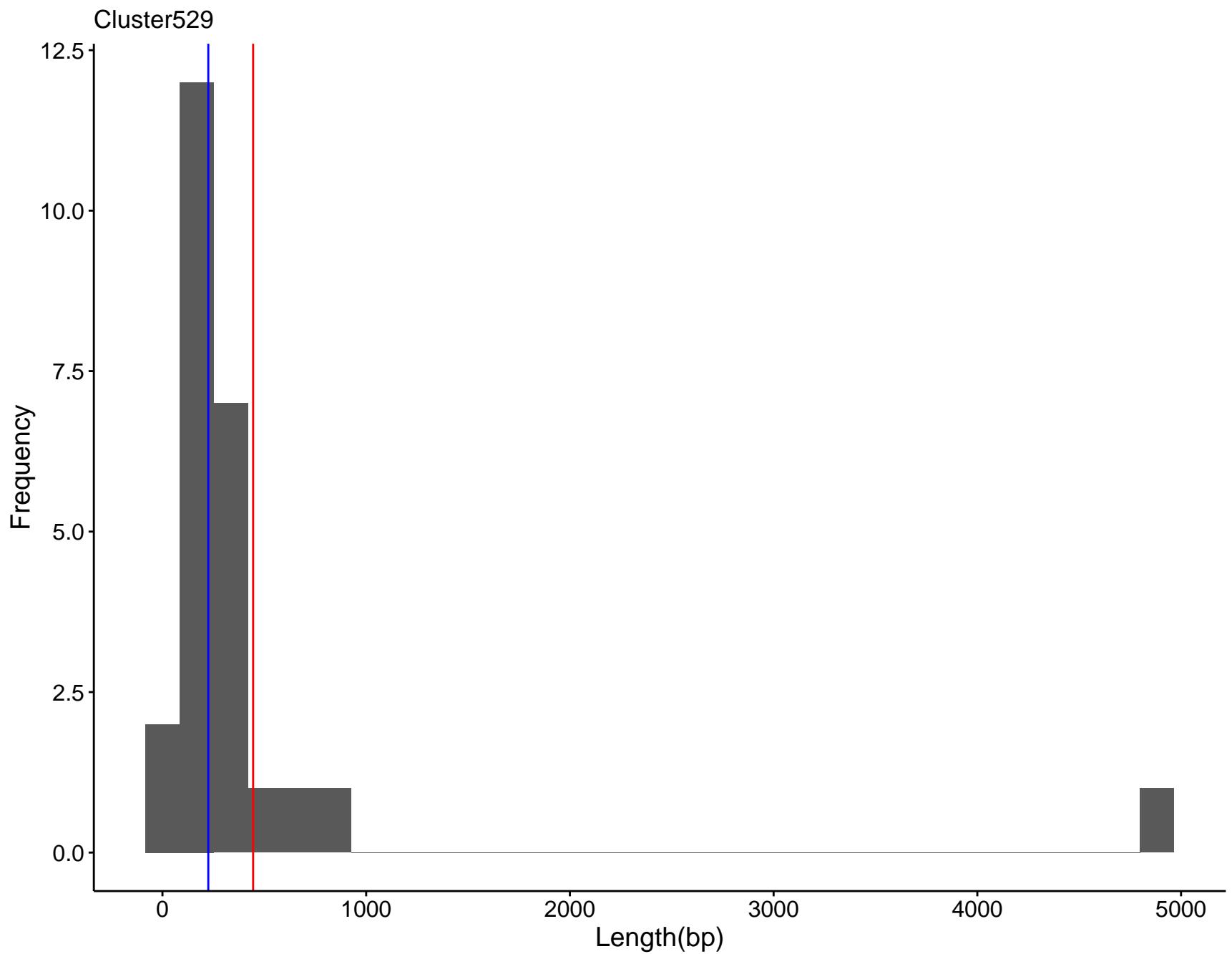


Cluster527

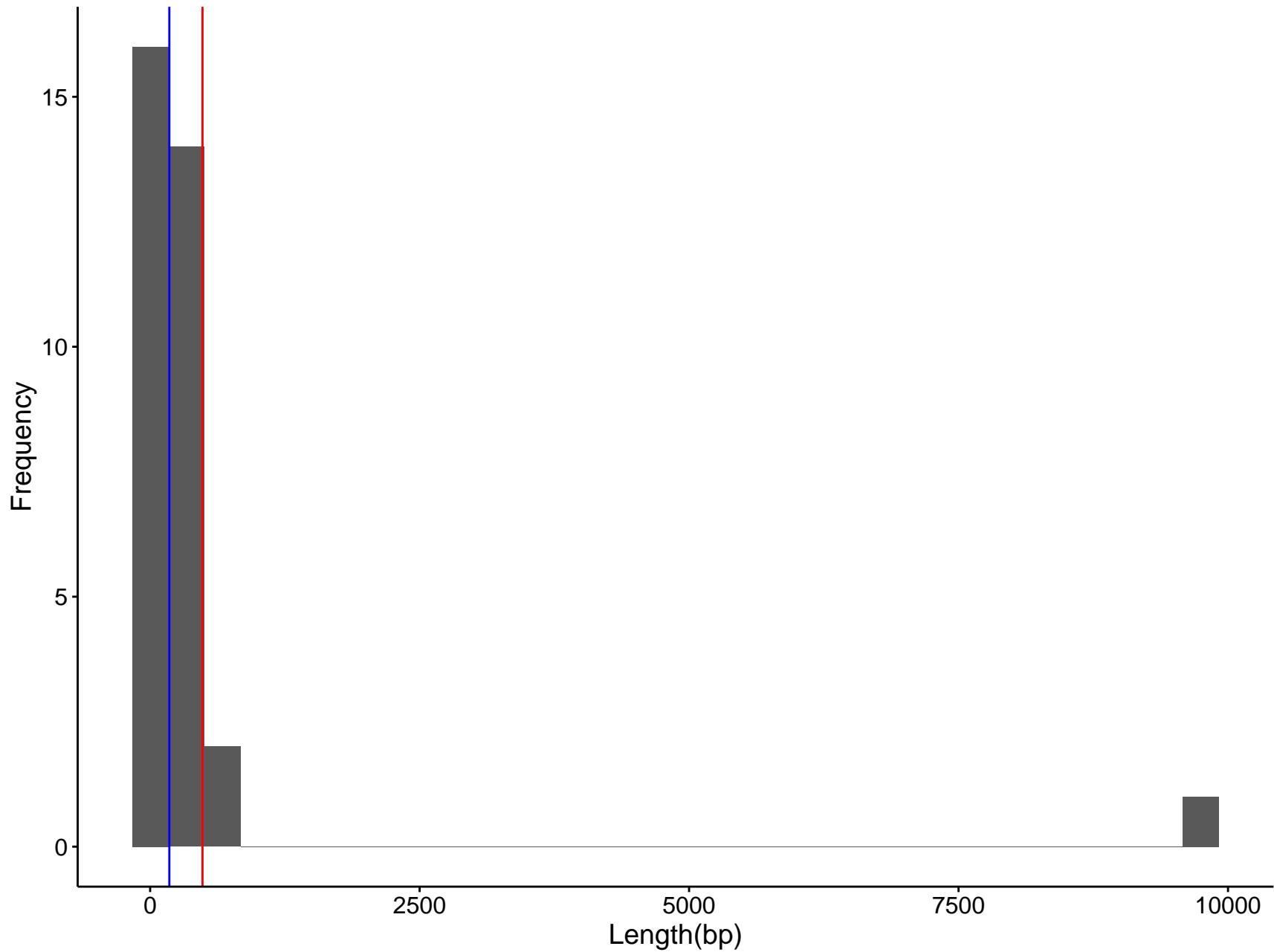


Cluster528

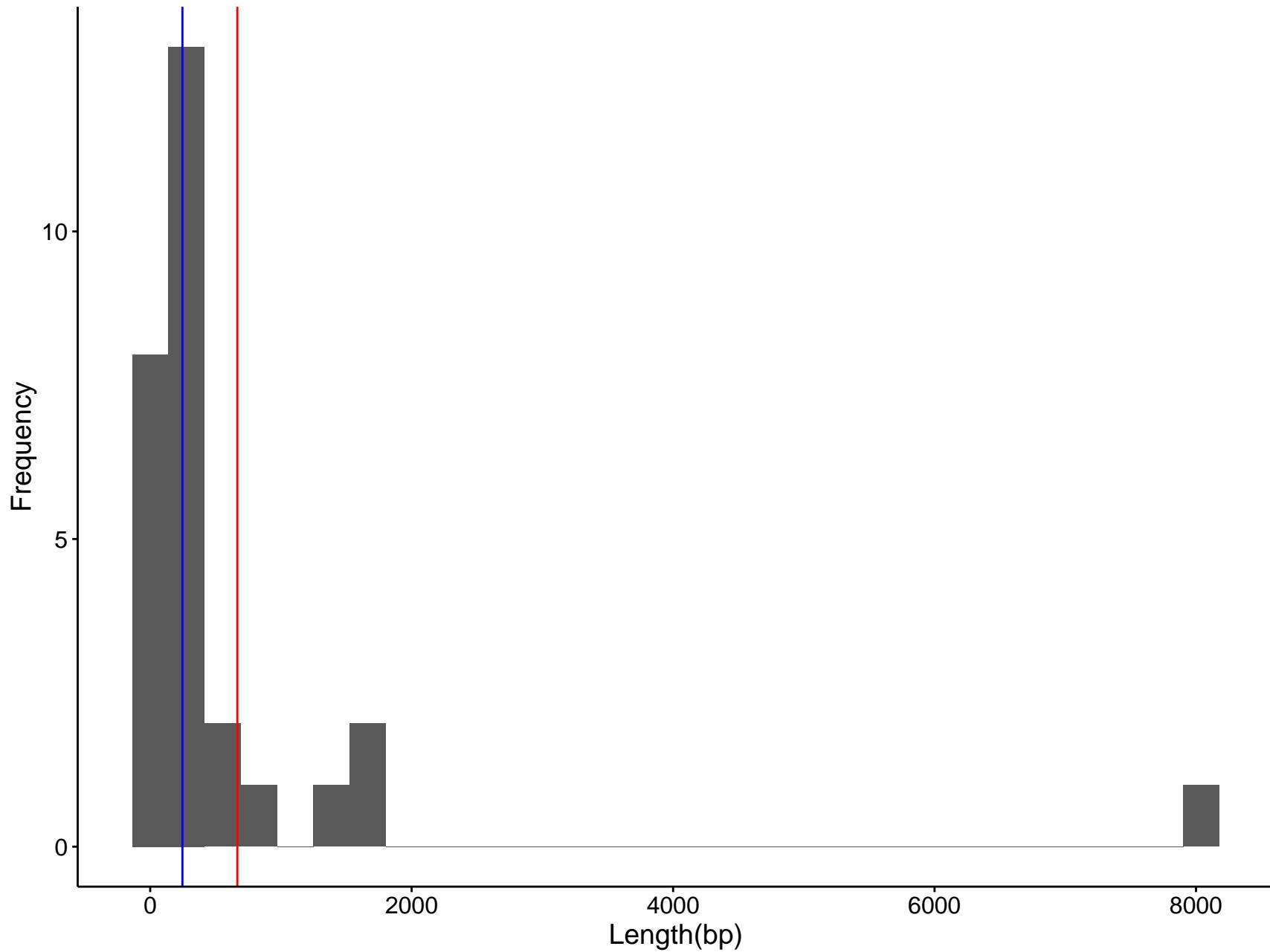




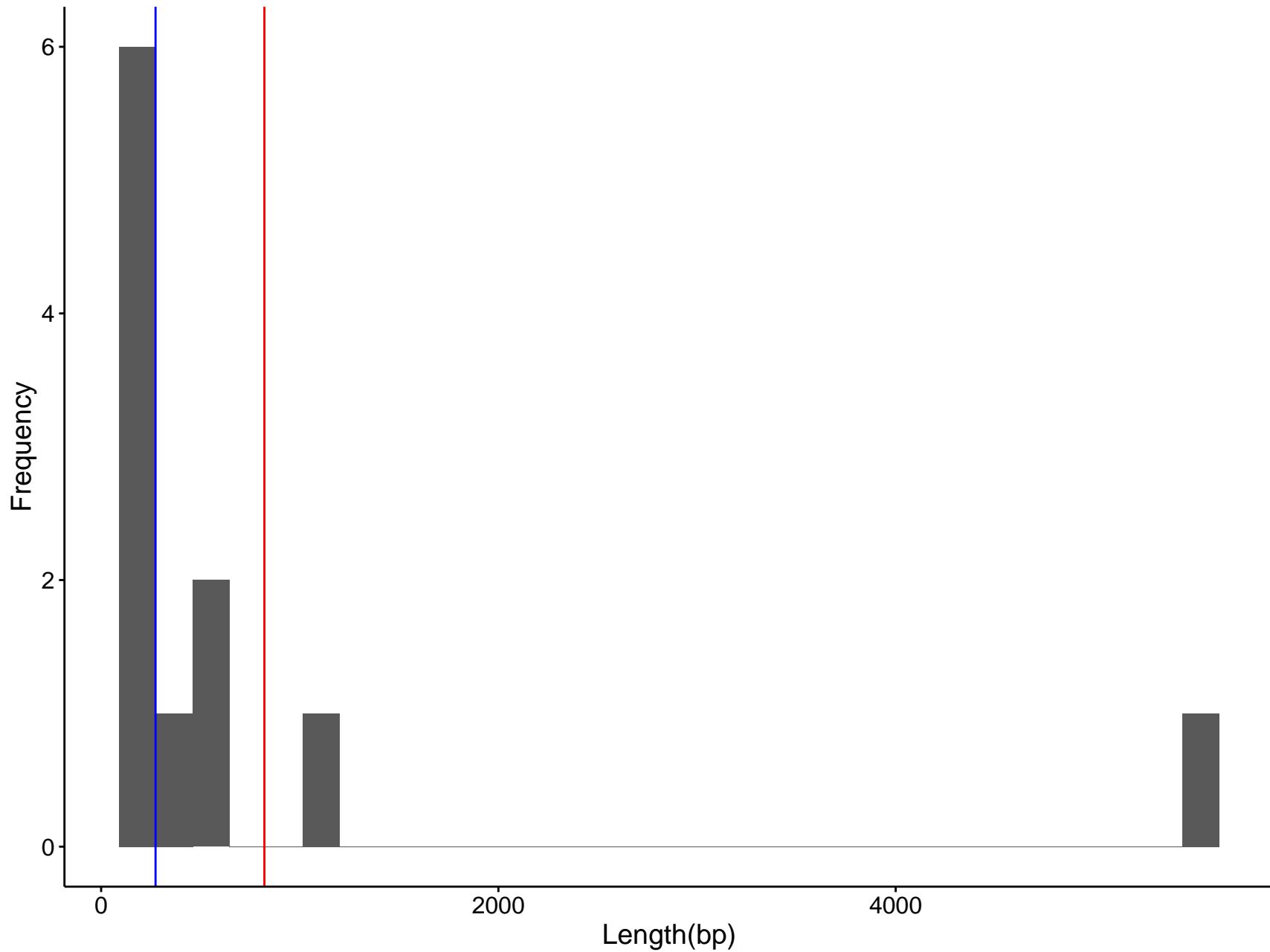
Cluster530



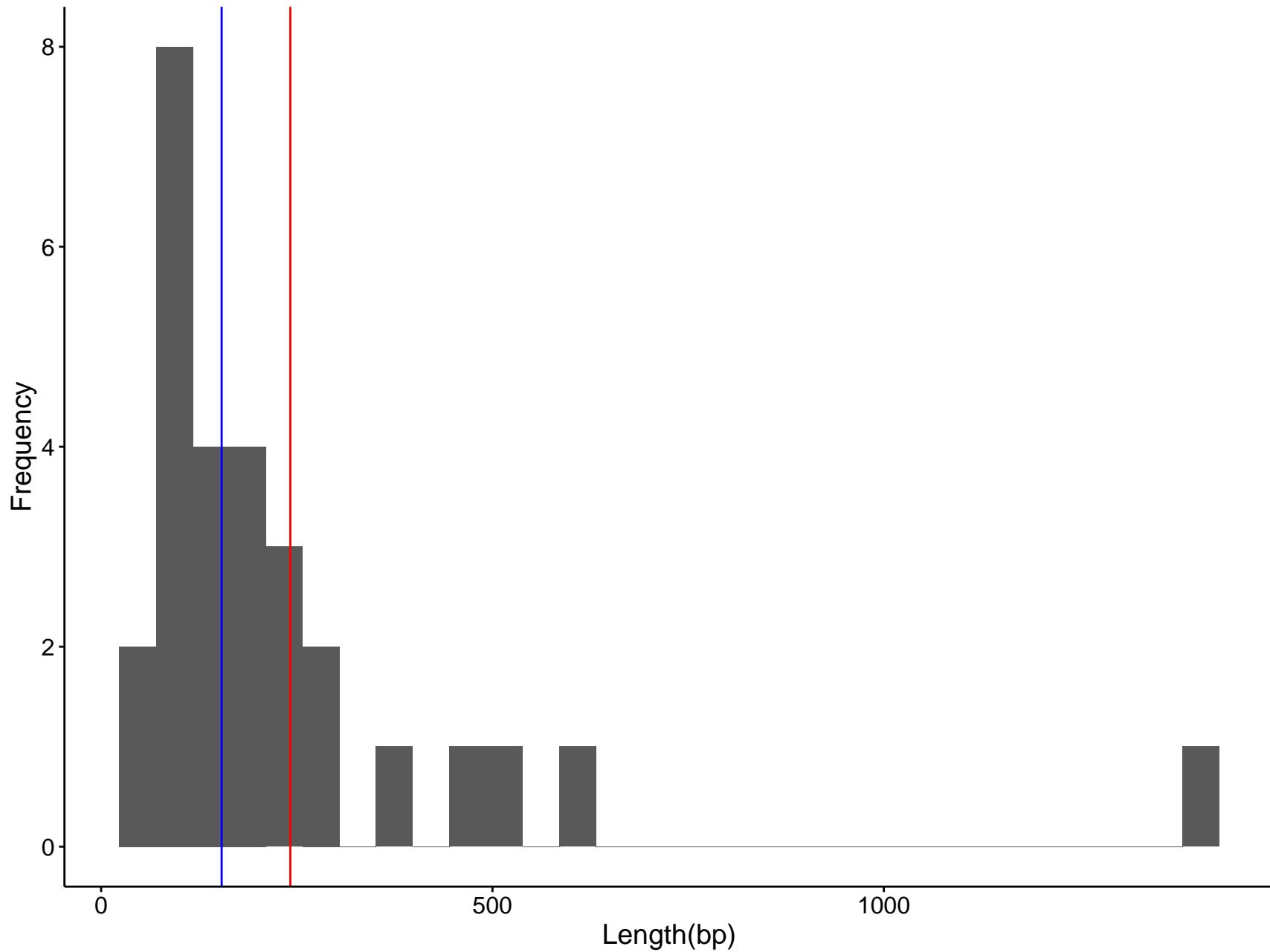
Cluster531



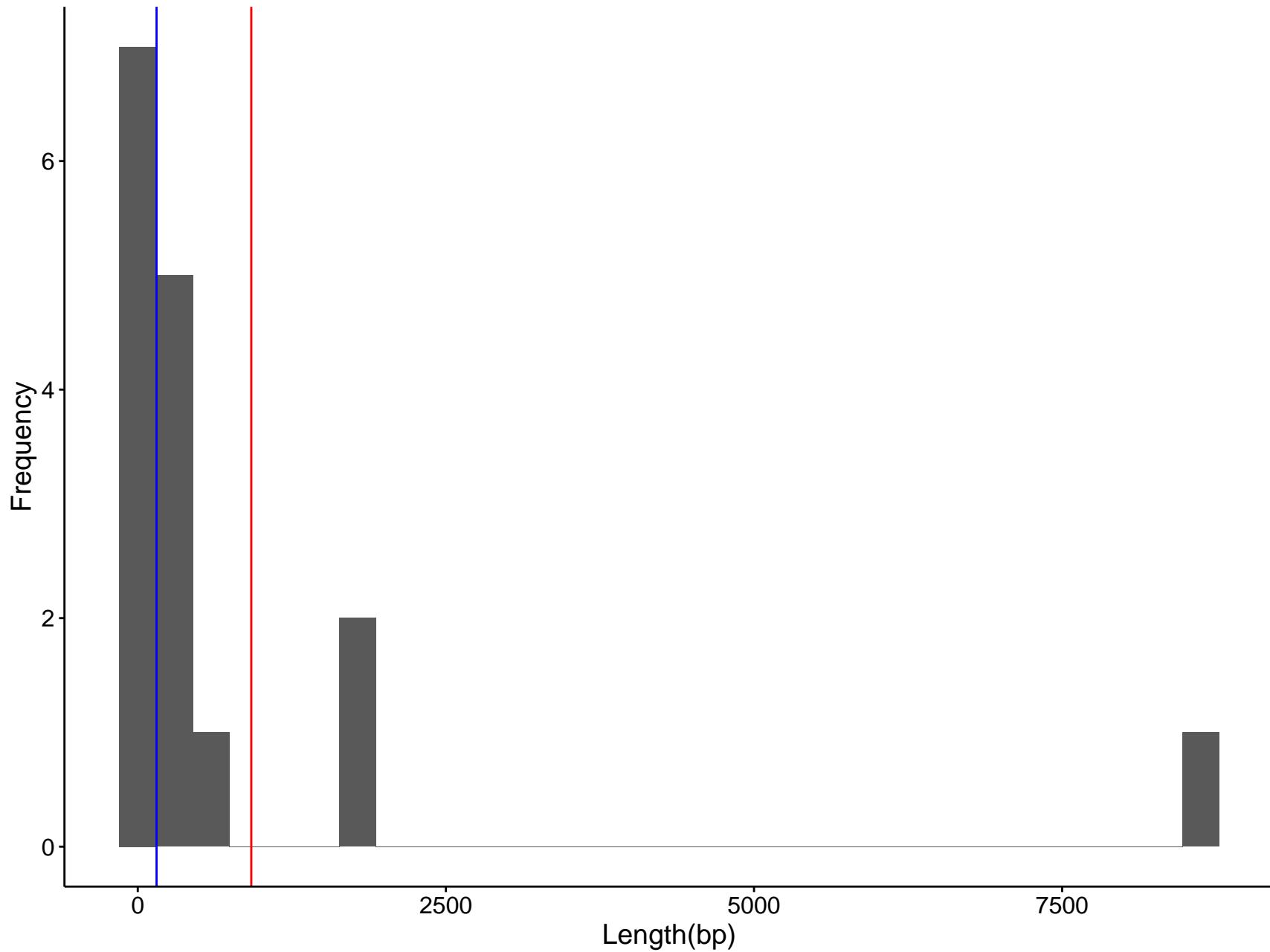
Cluster532



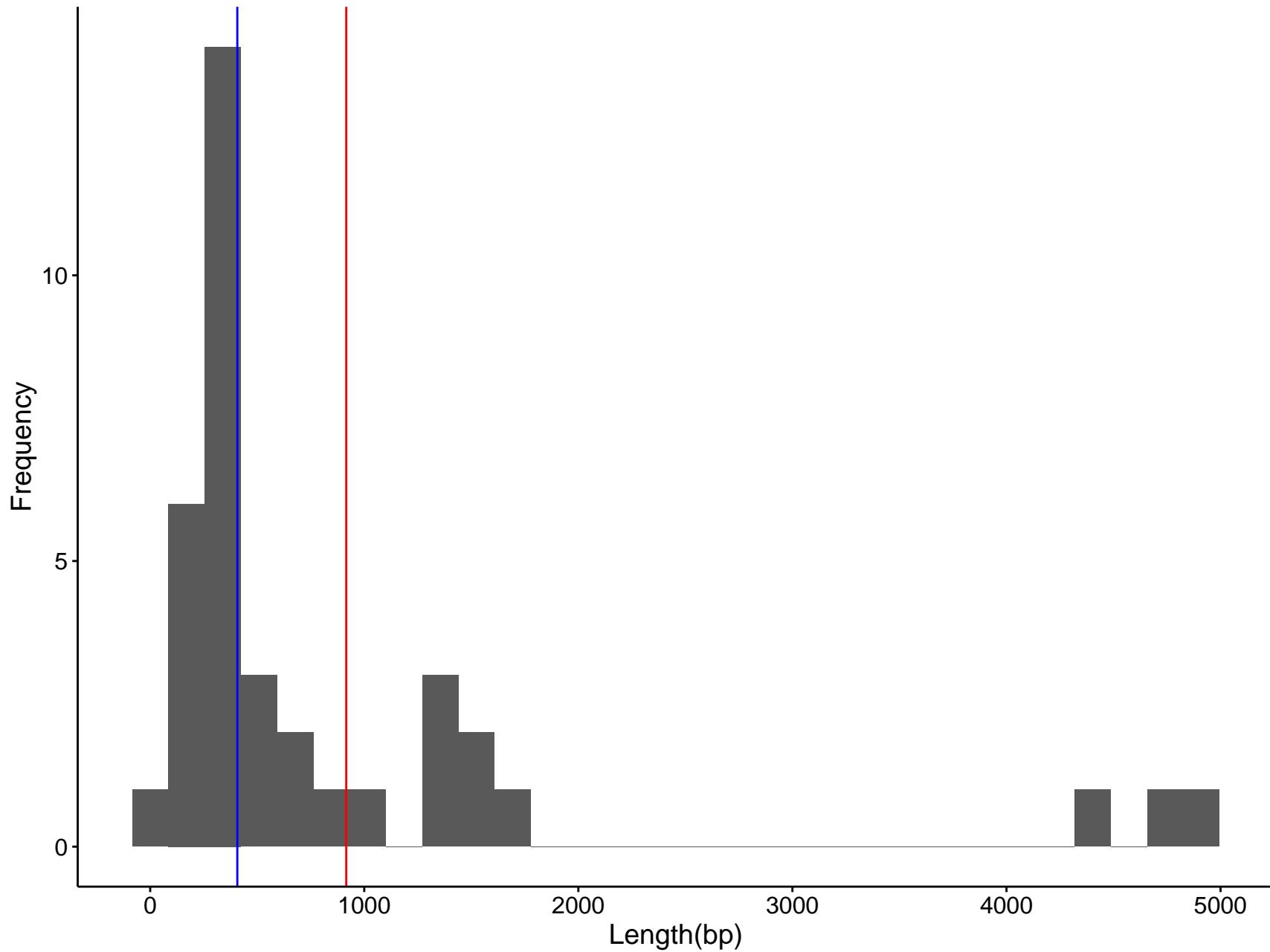
Cluster534



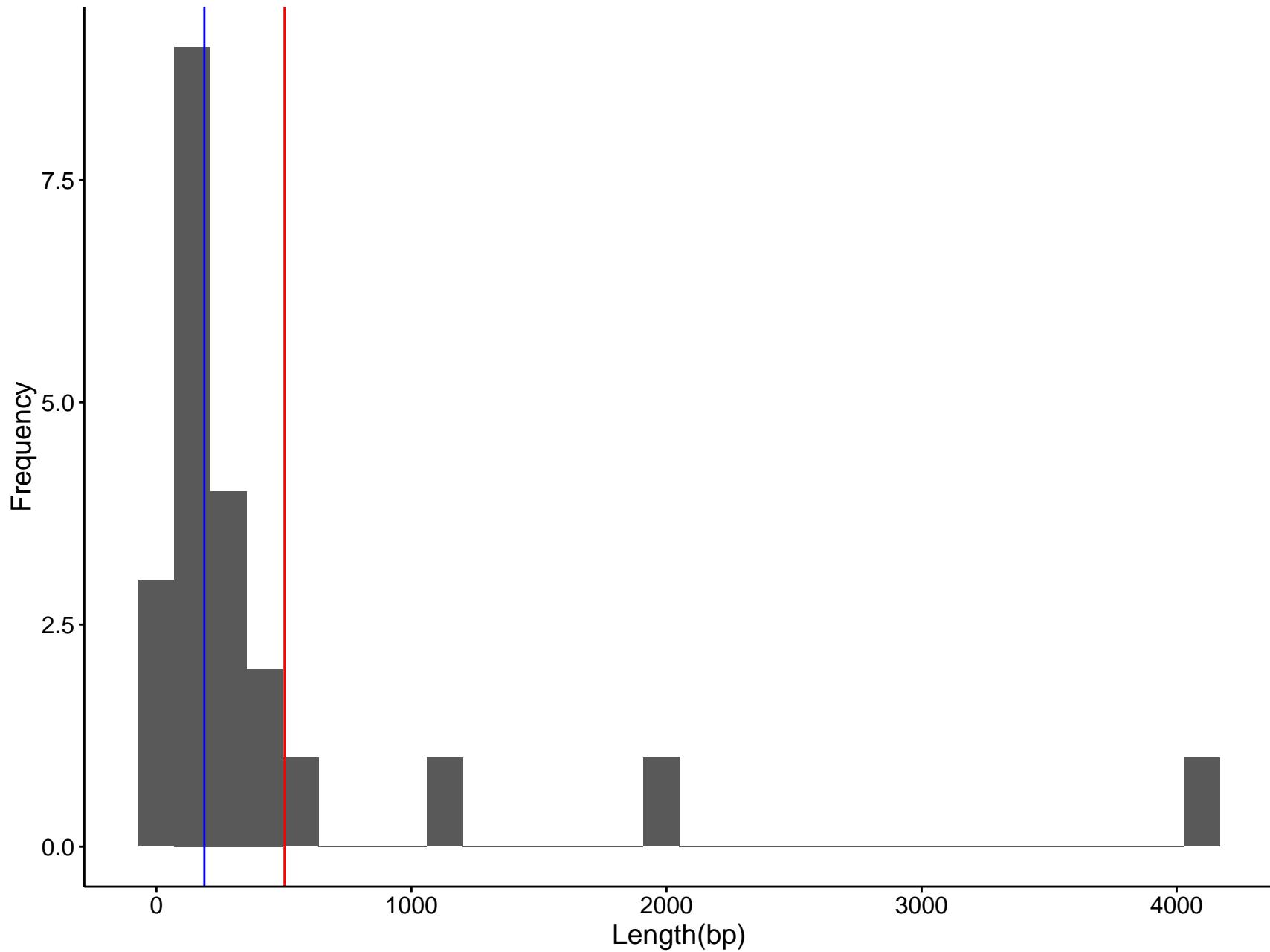
Cluster535



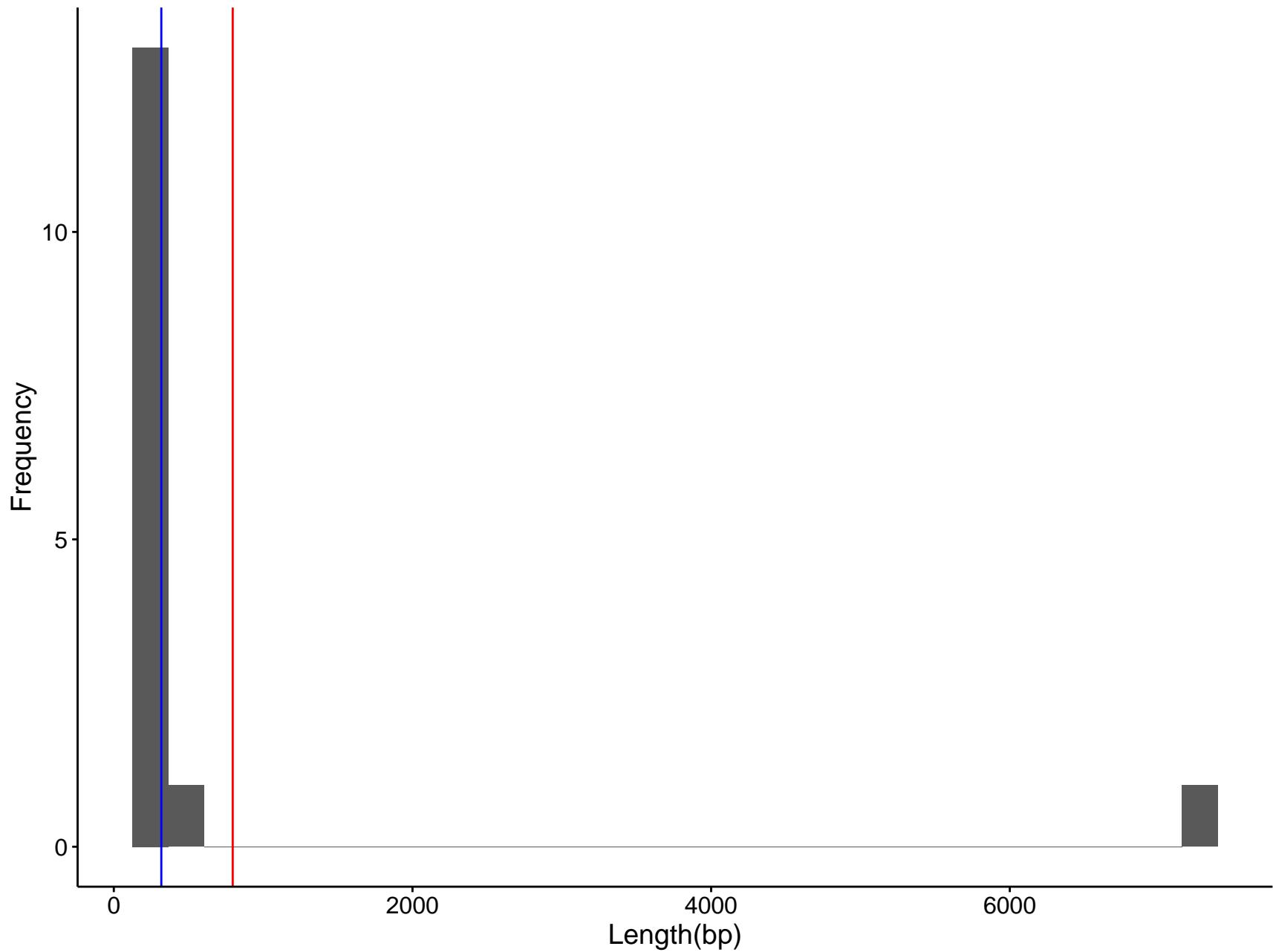
Cluster536



Cluster537



Cluster539



# Cluster53

Frequency

76.950

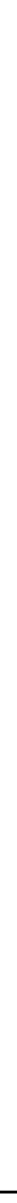
76.975

77.000

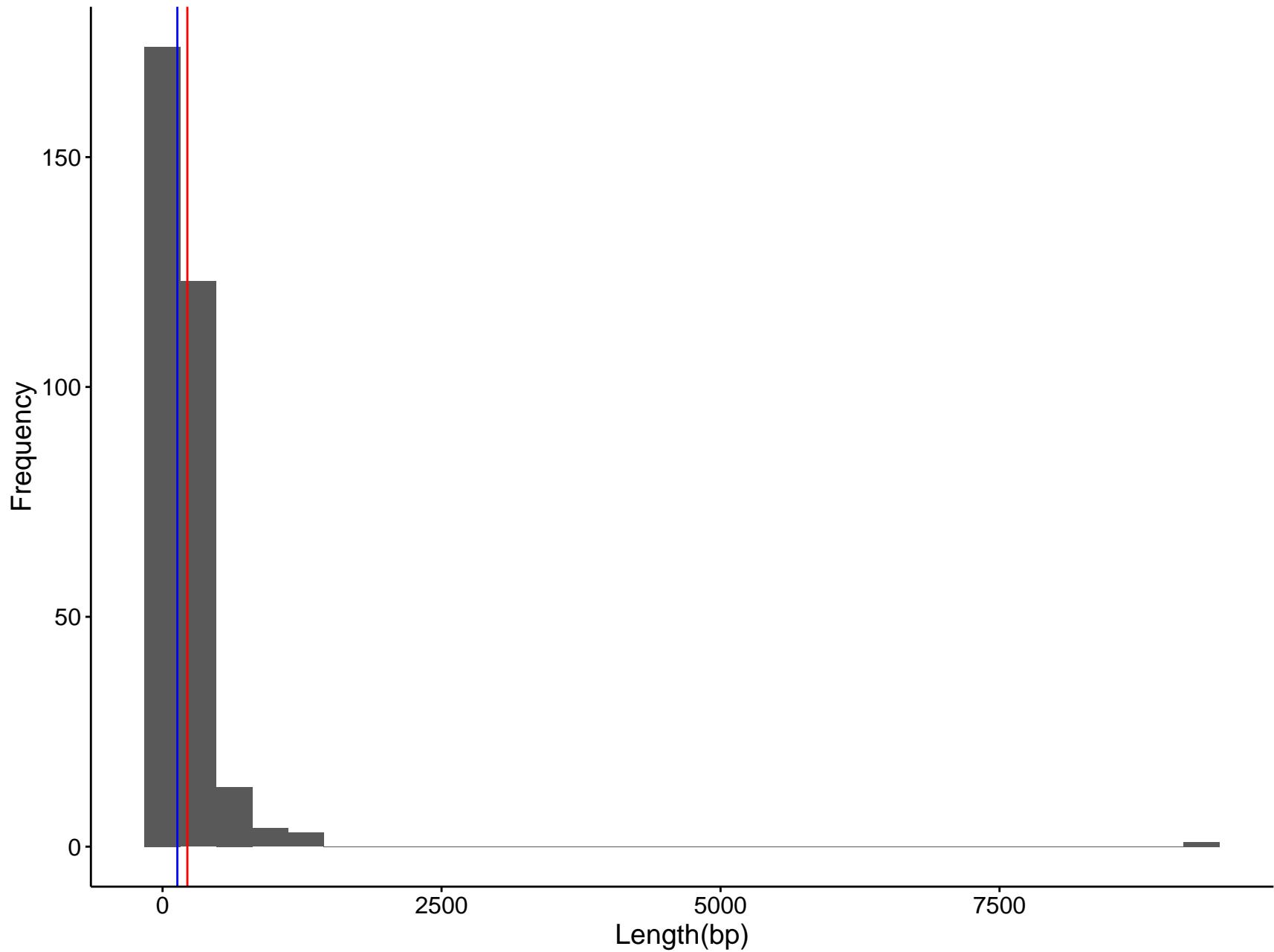
77.025

77.0

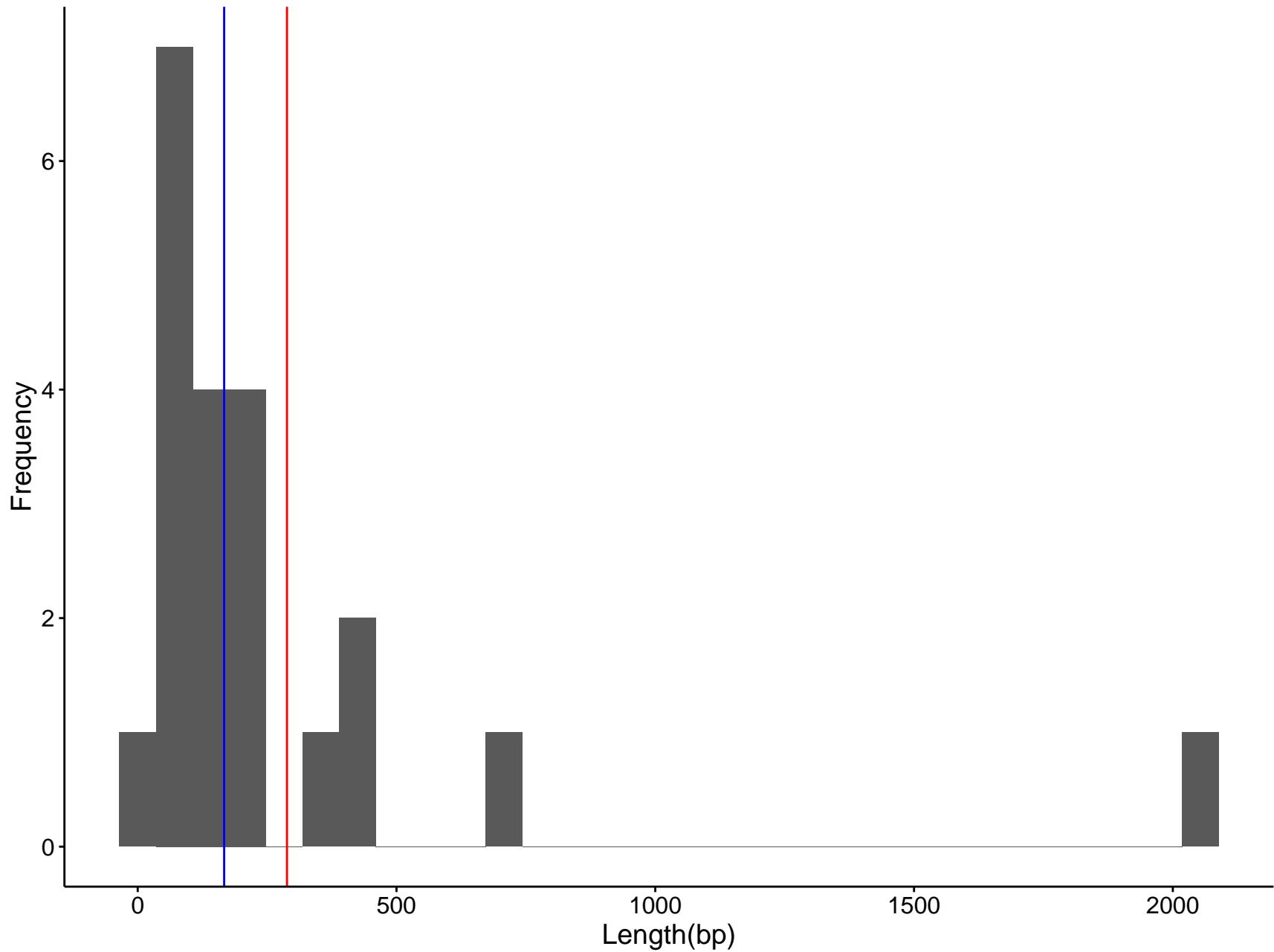
Length(bp)



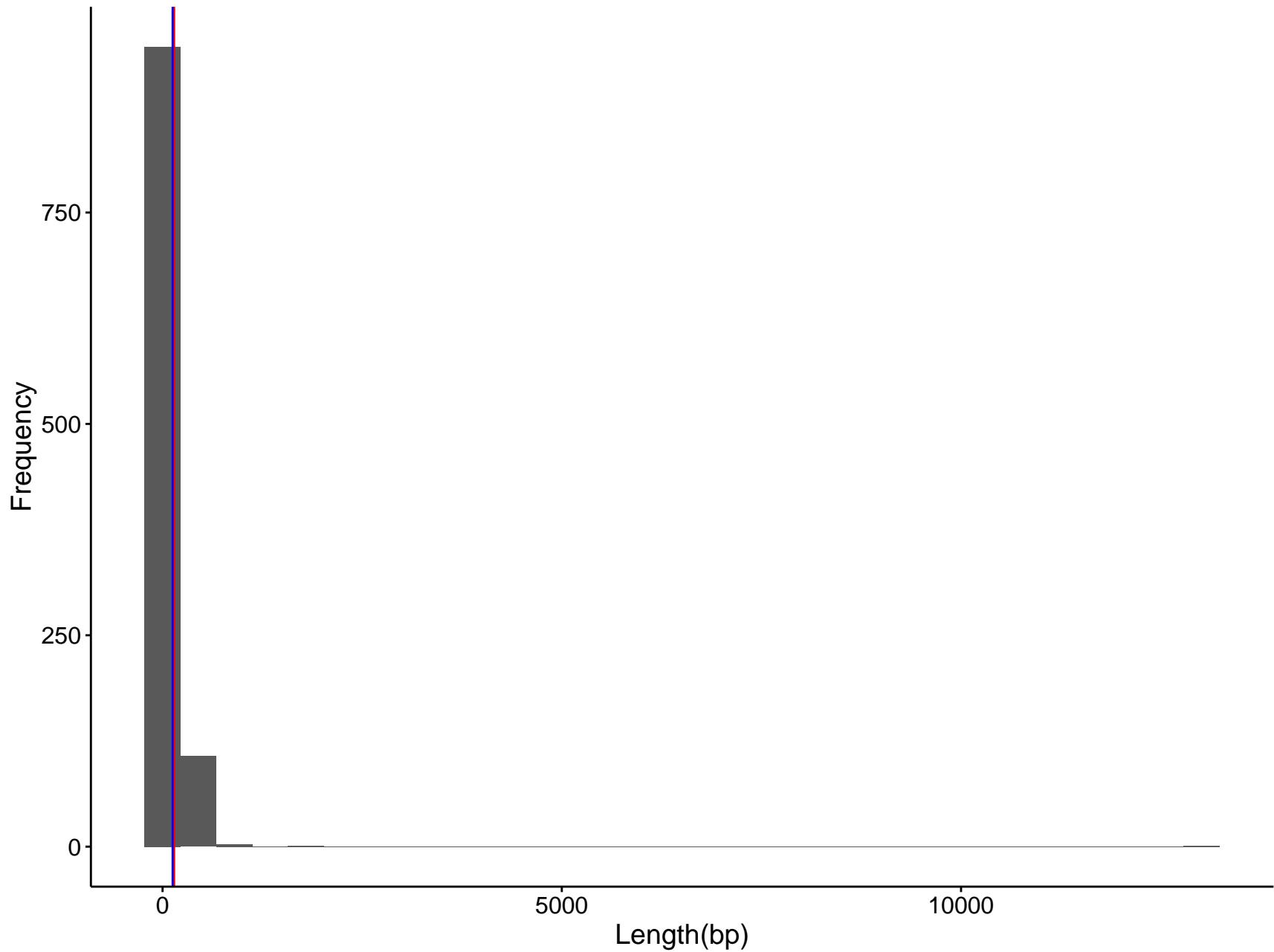
Cluster540



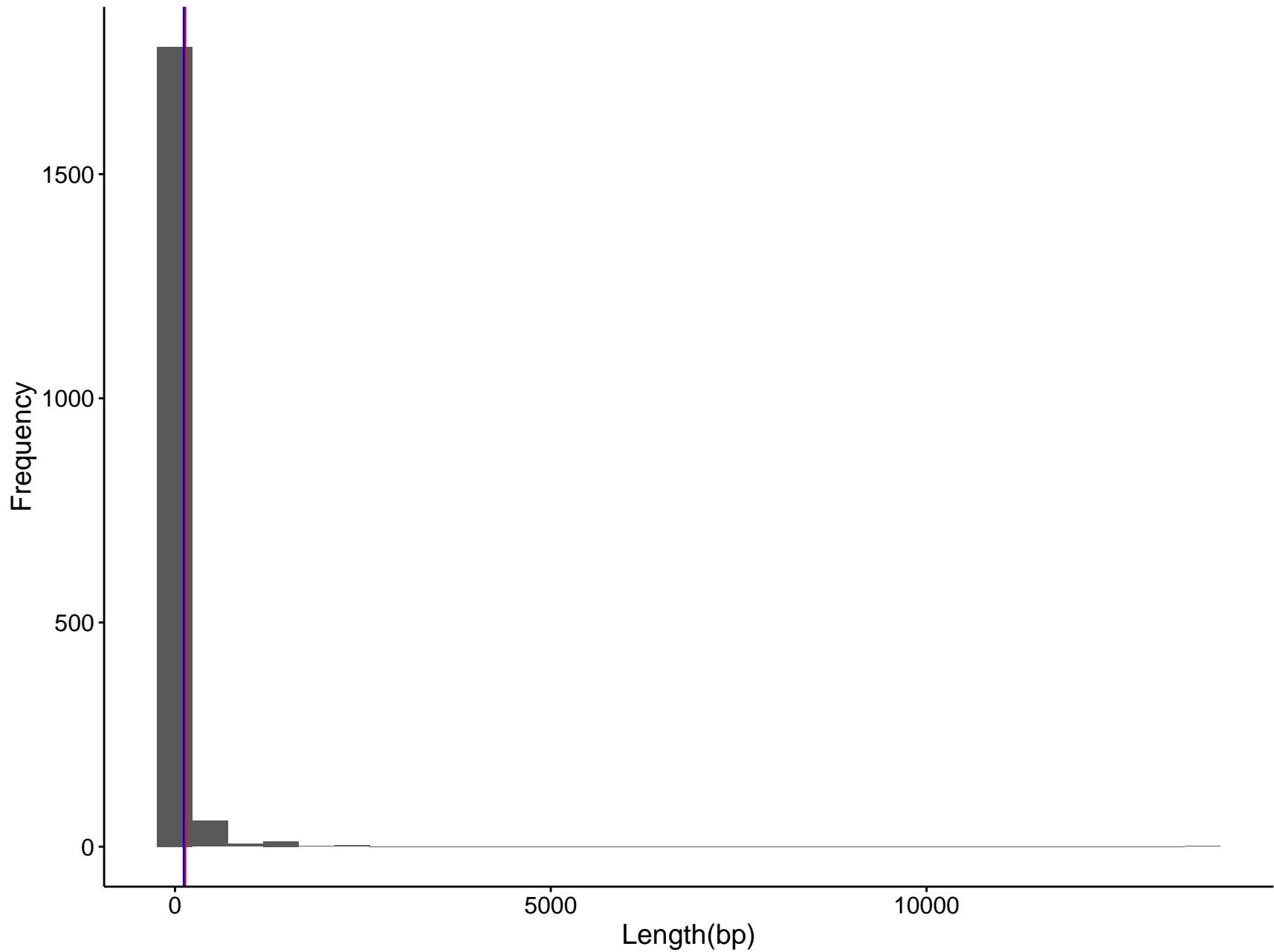
Cluster541



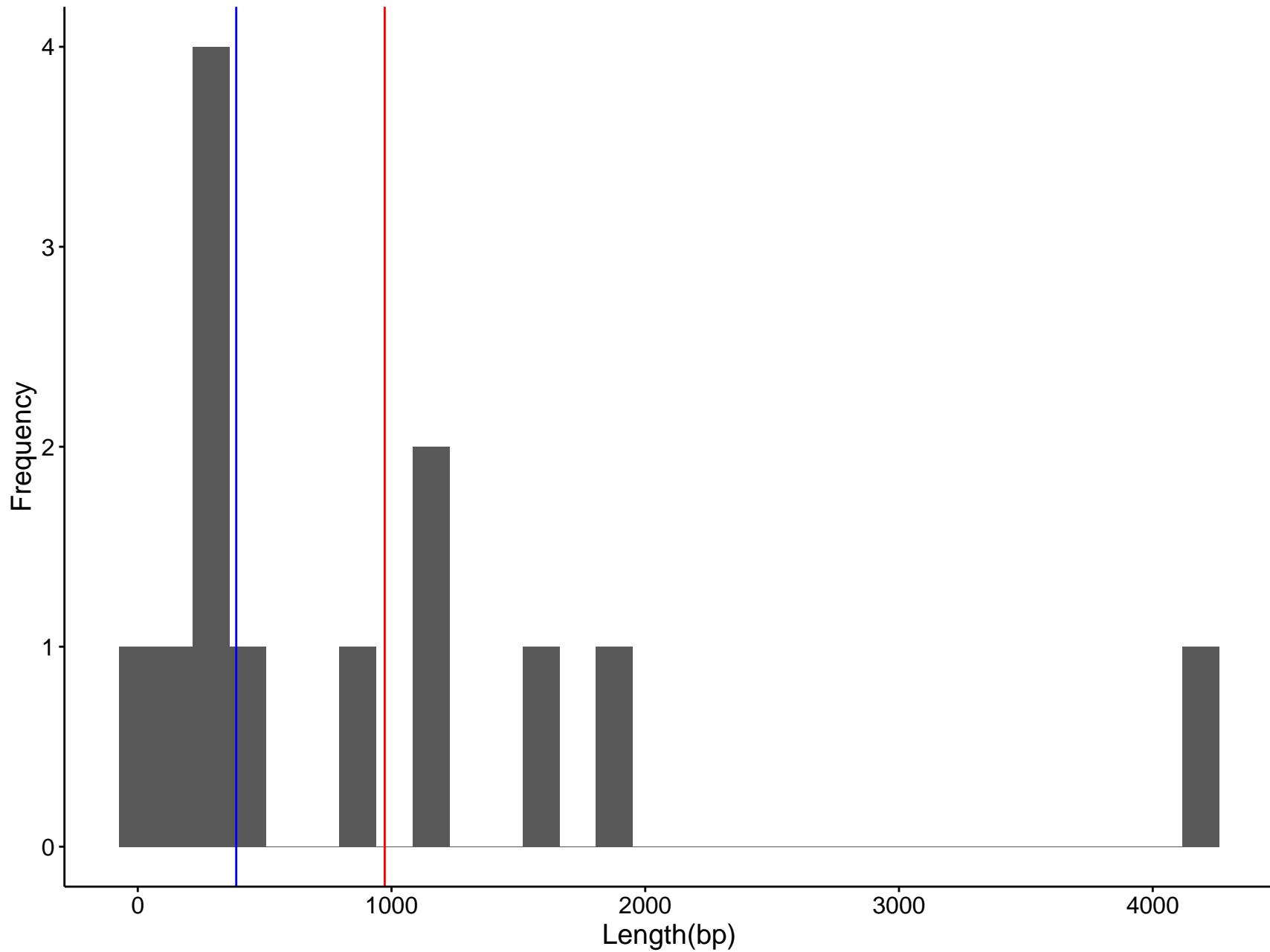
Cluster542



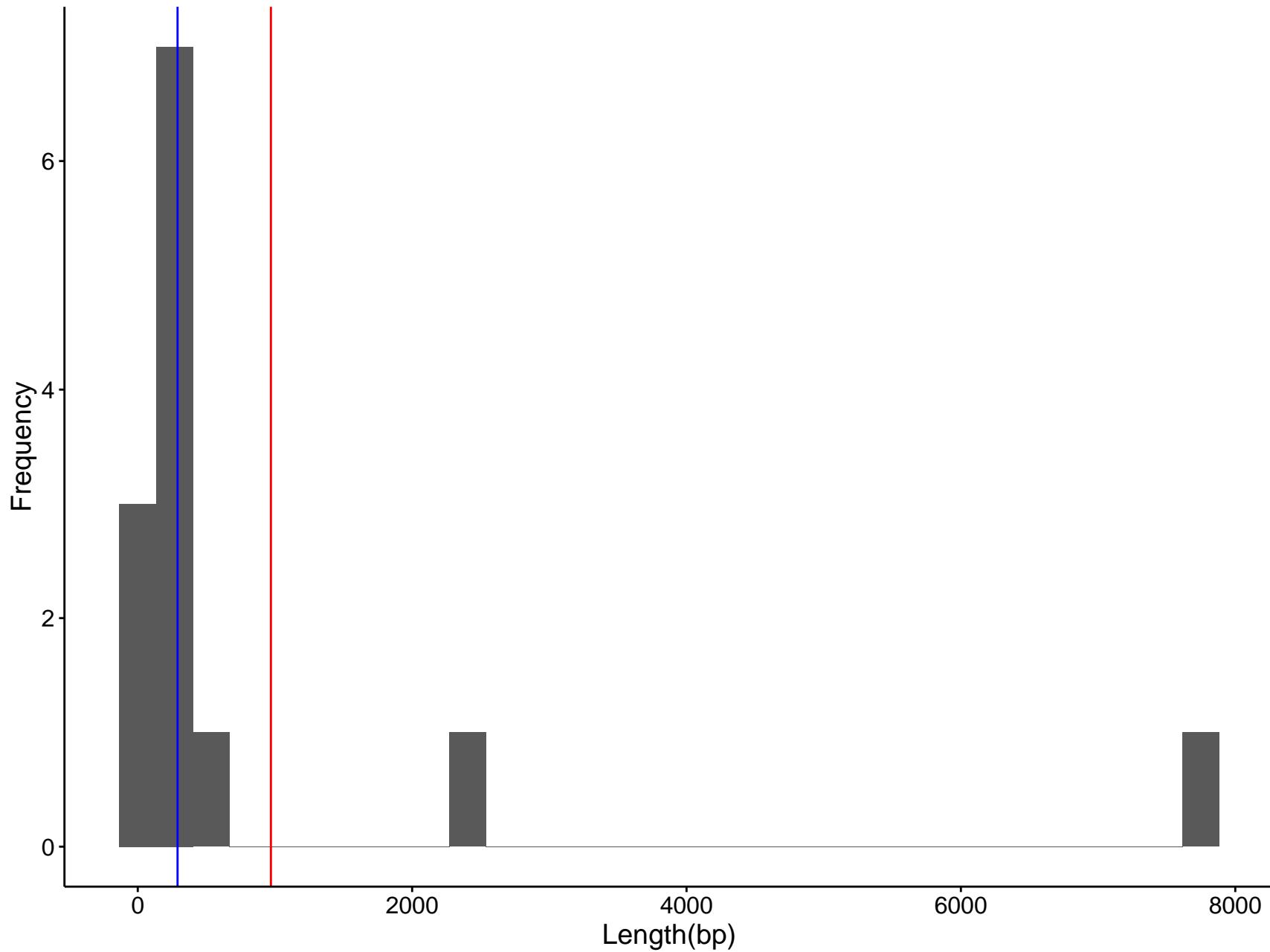
Cluster543



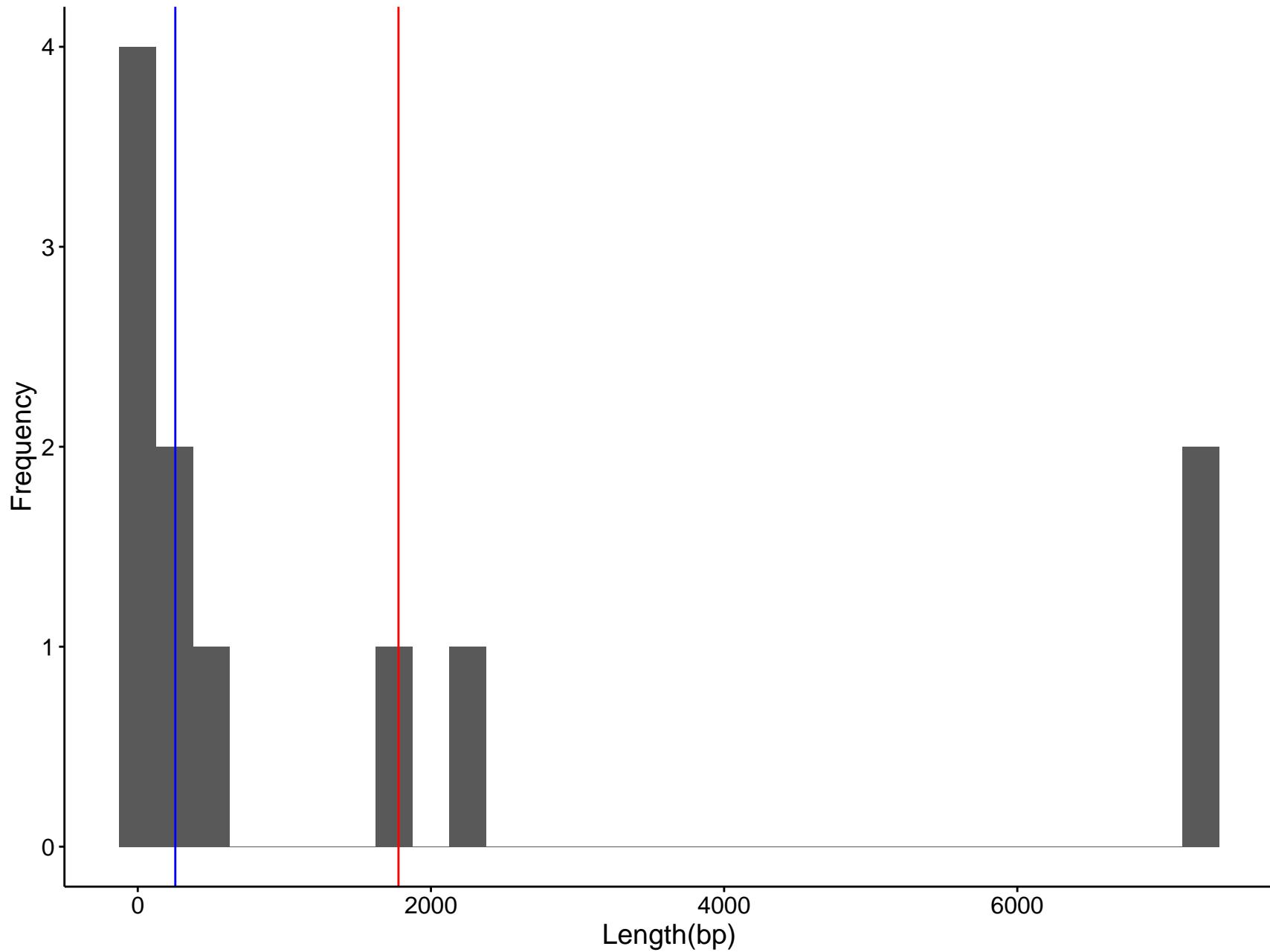
Cluster544



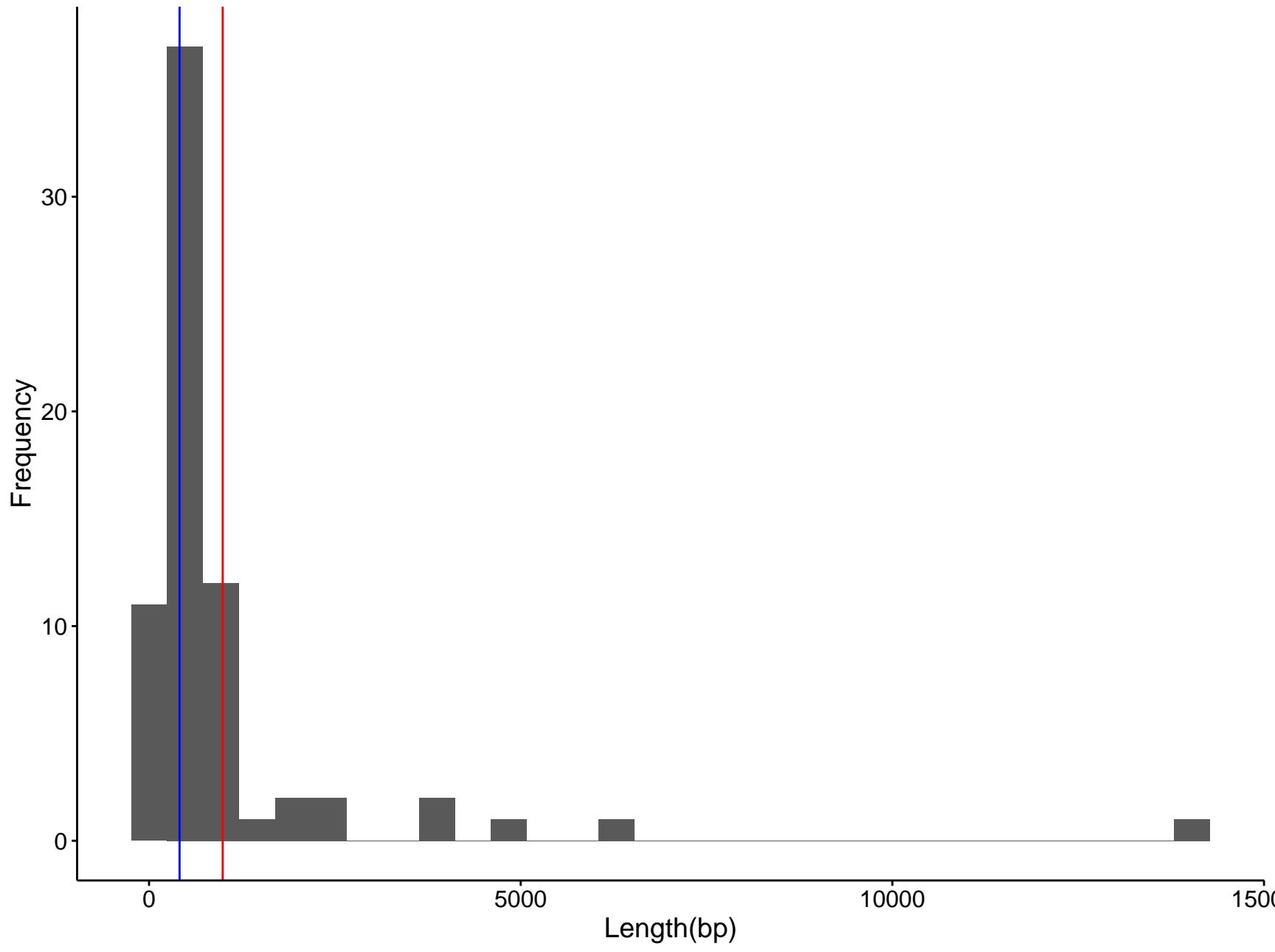
Cluster545

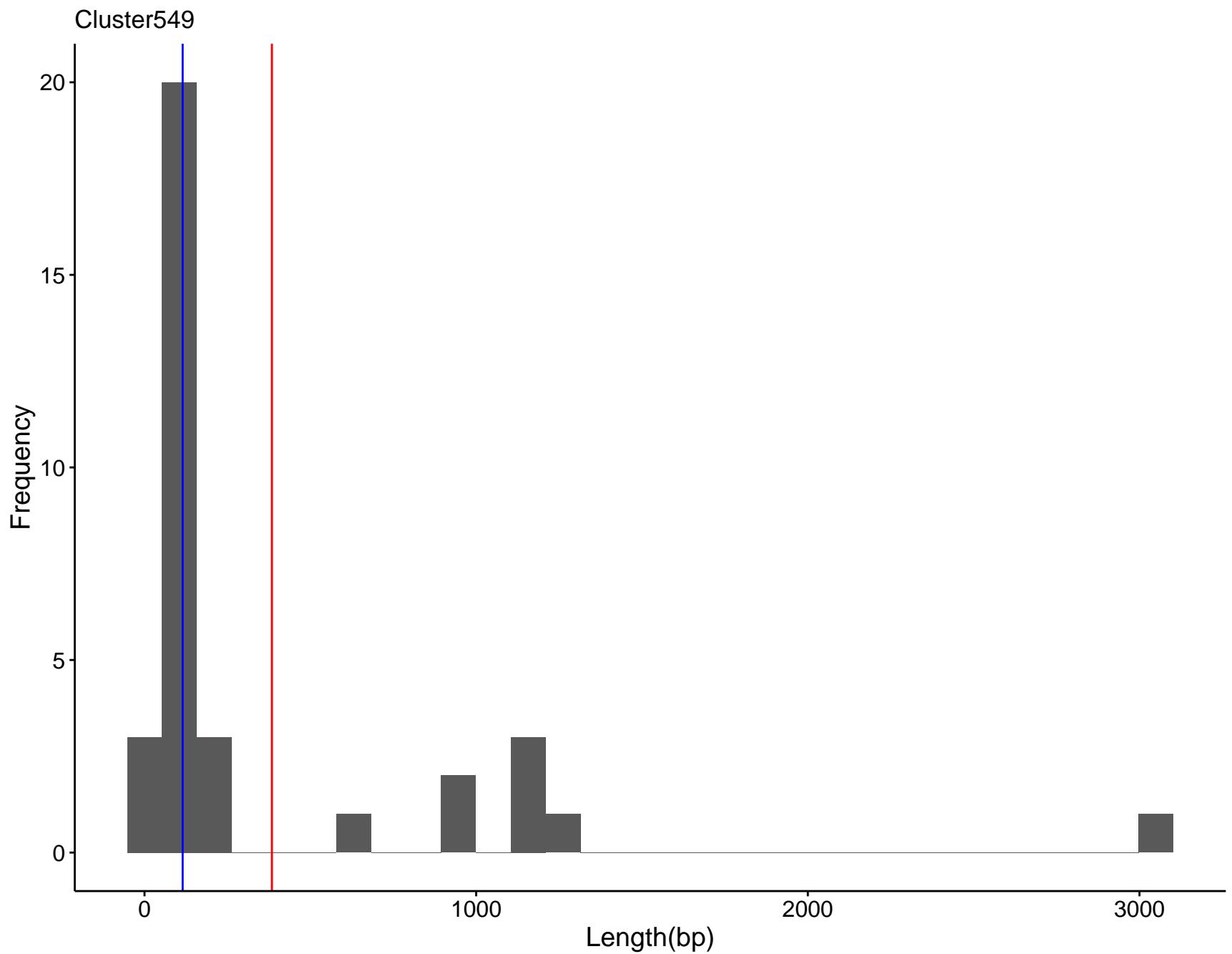


Cluster547

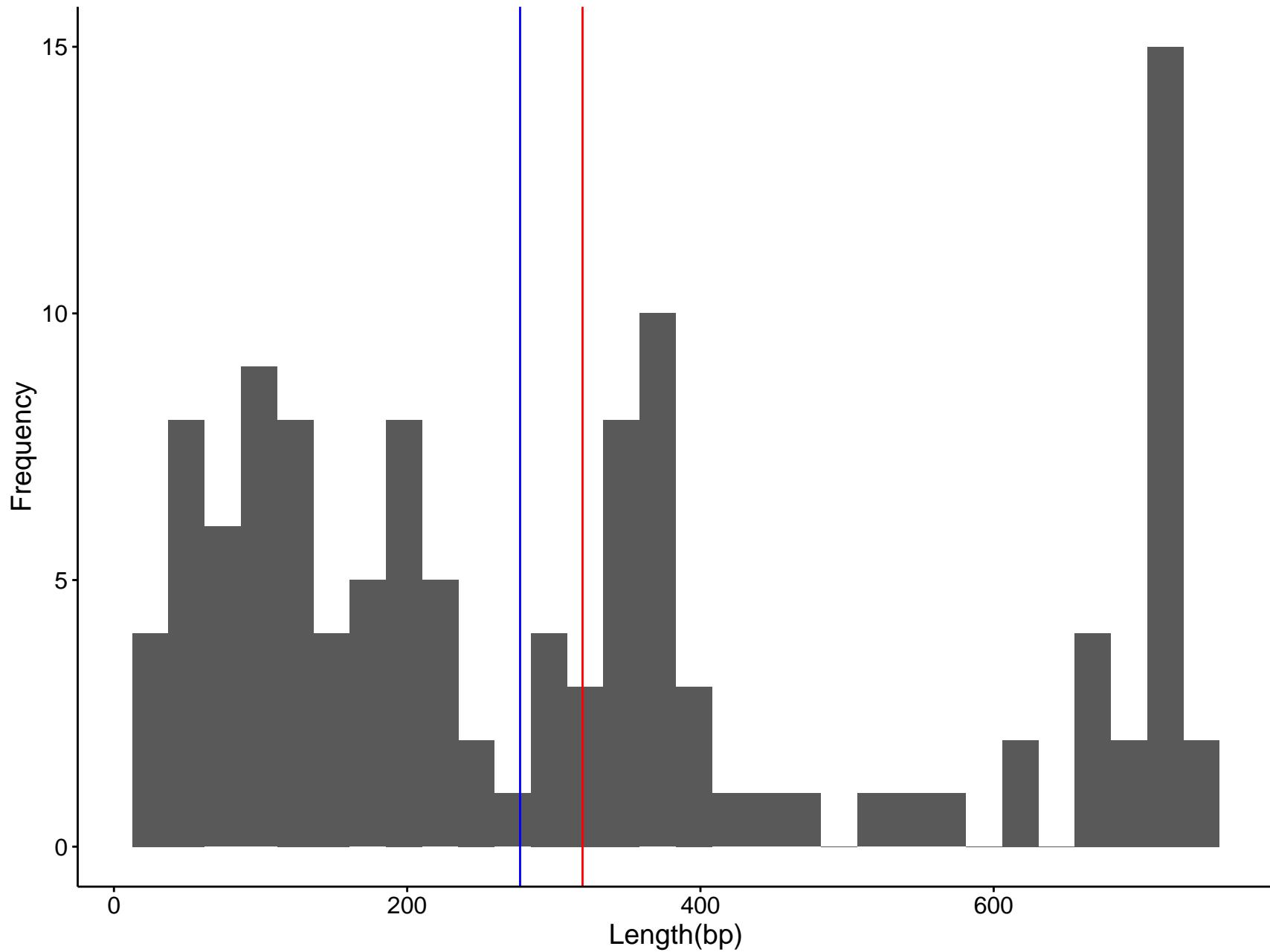


Cluster548

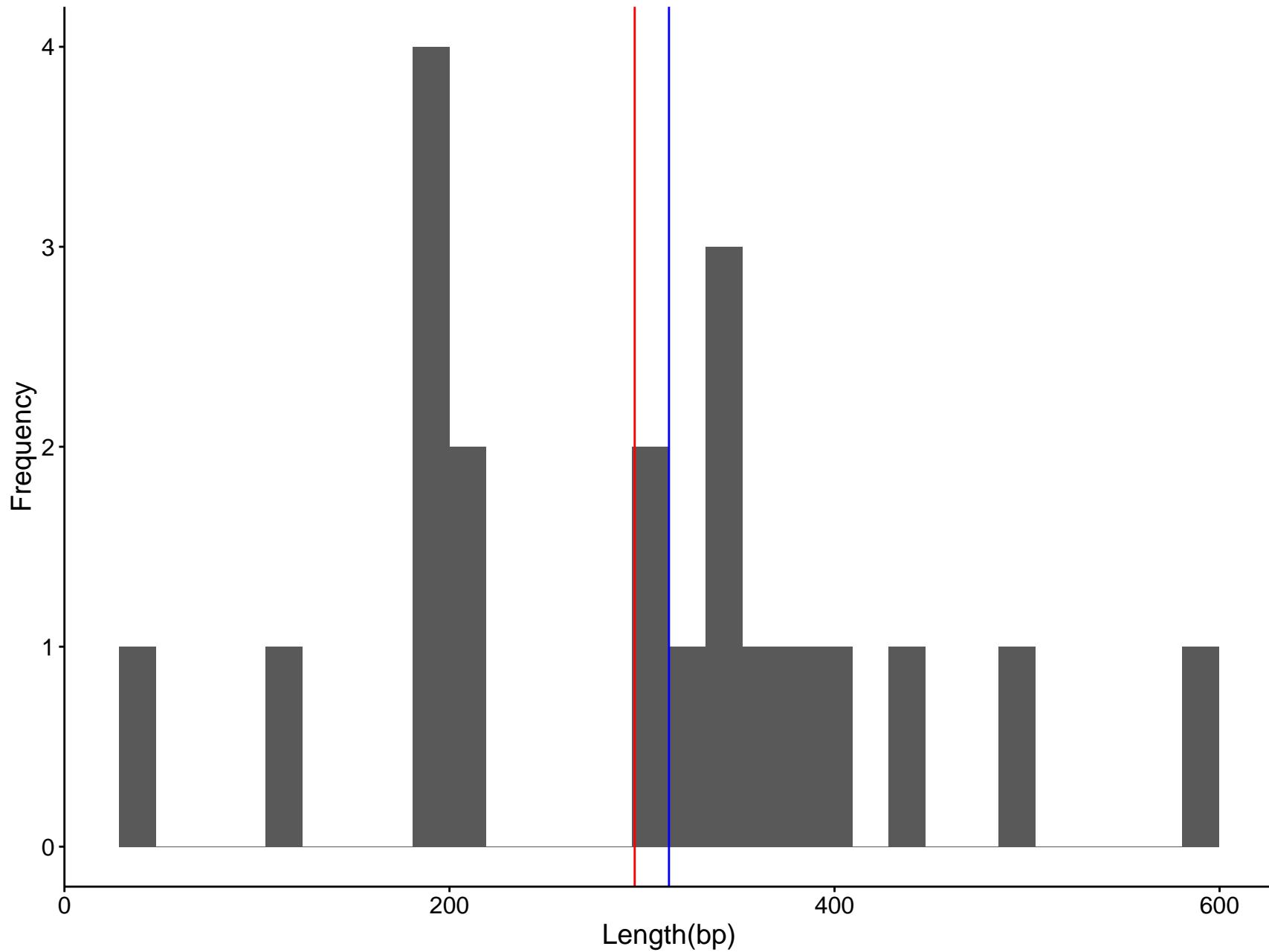




Cluster54



Cluster552



# Cluster553

Frequency

753.950

753.975

754.000

754.025

Length(bp)



# Cluster555

Frequency

204.950

204.975

205.000

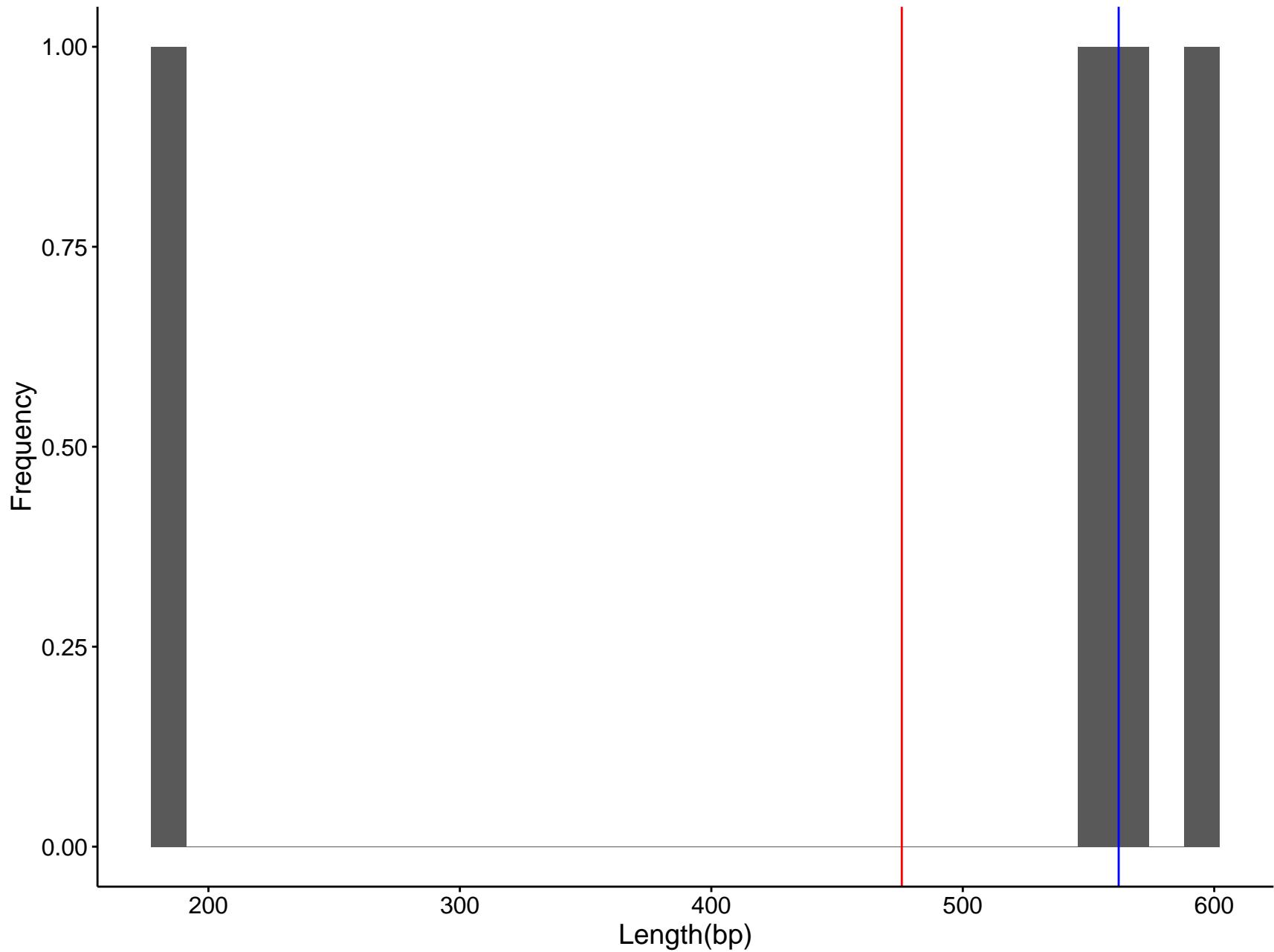
205.025

205.050

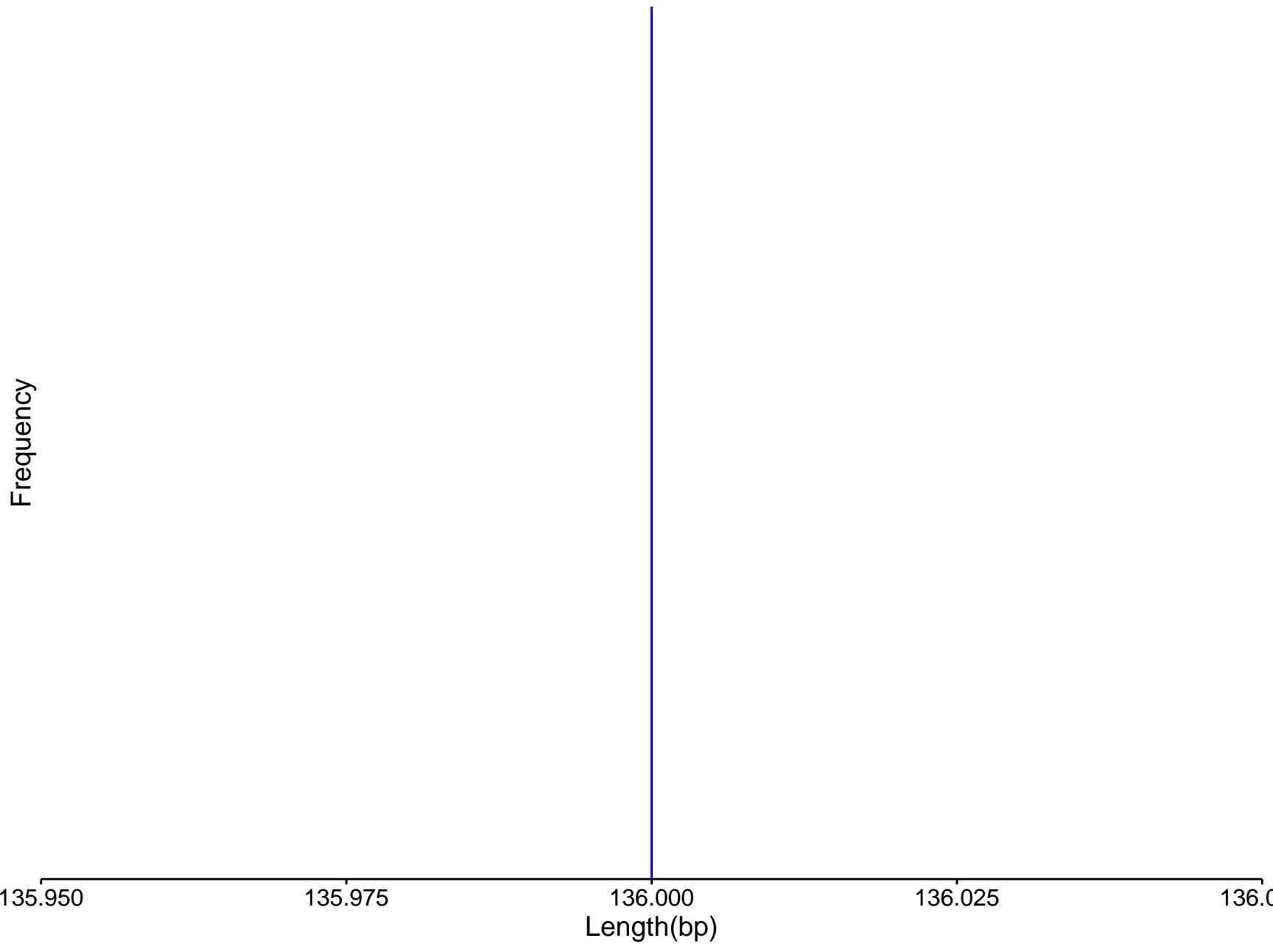
Length(bp)



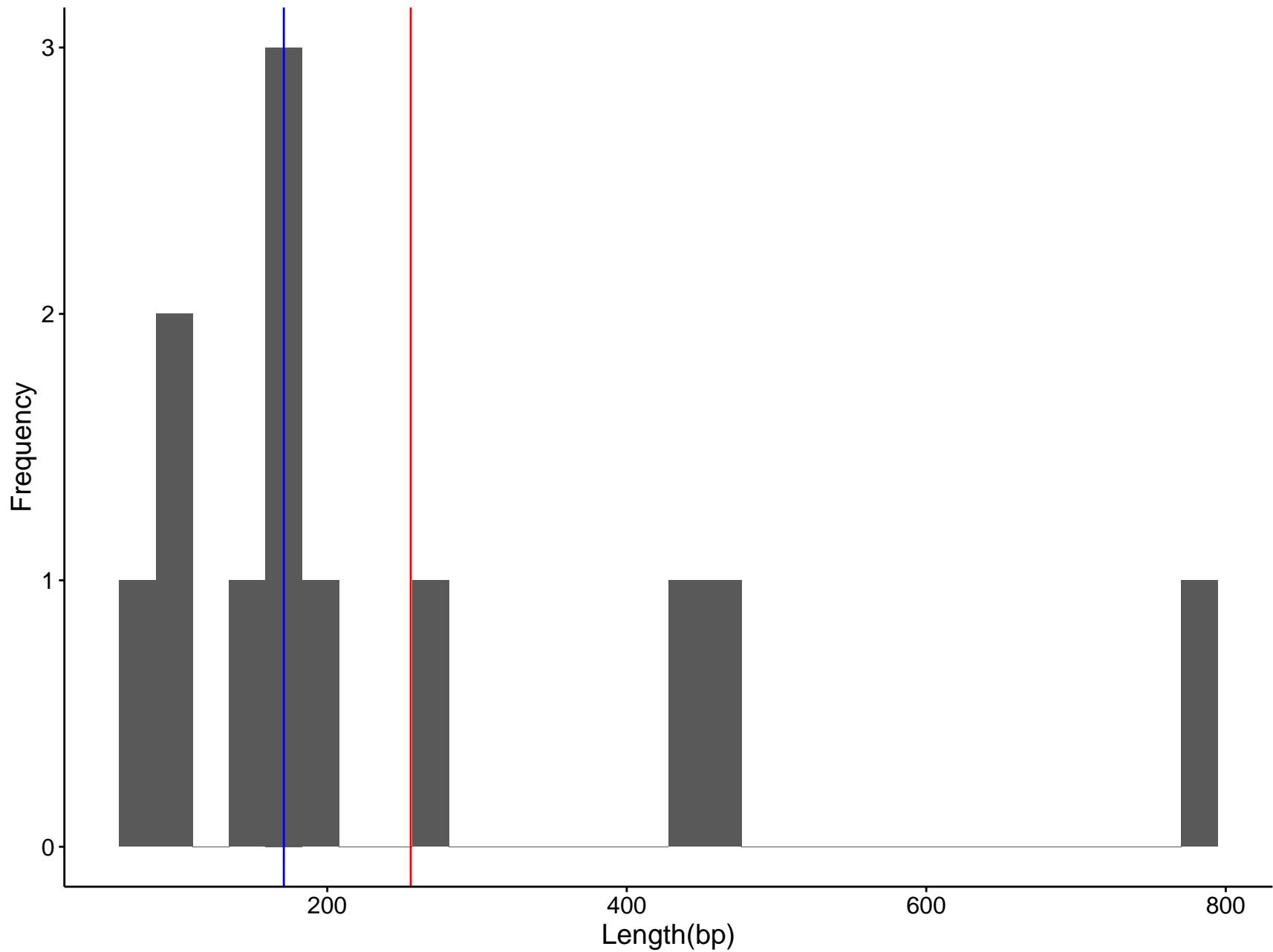
Cluster557



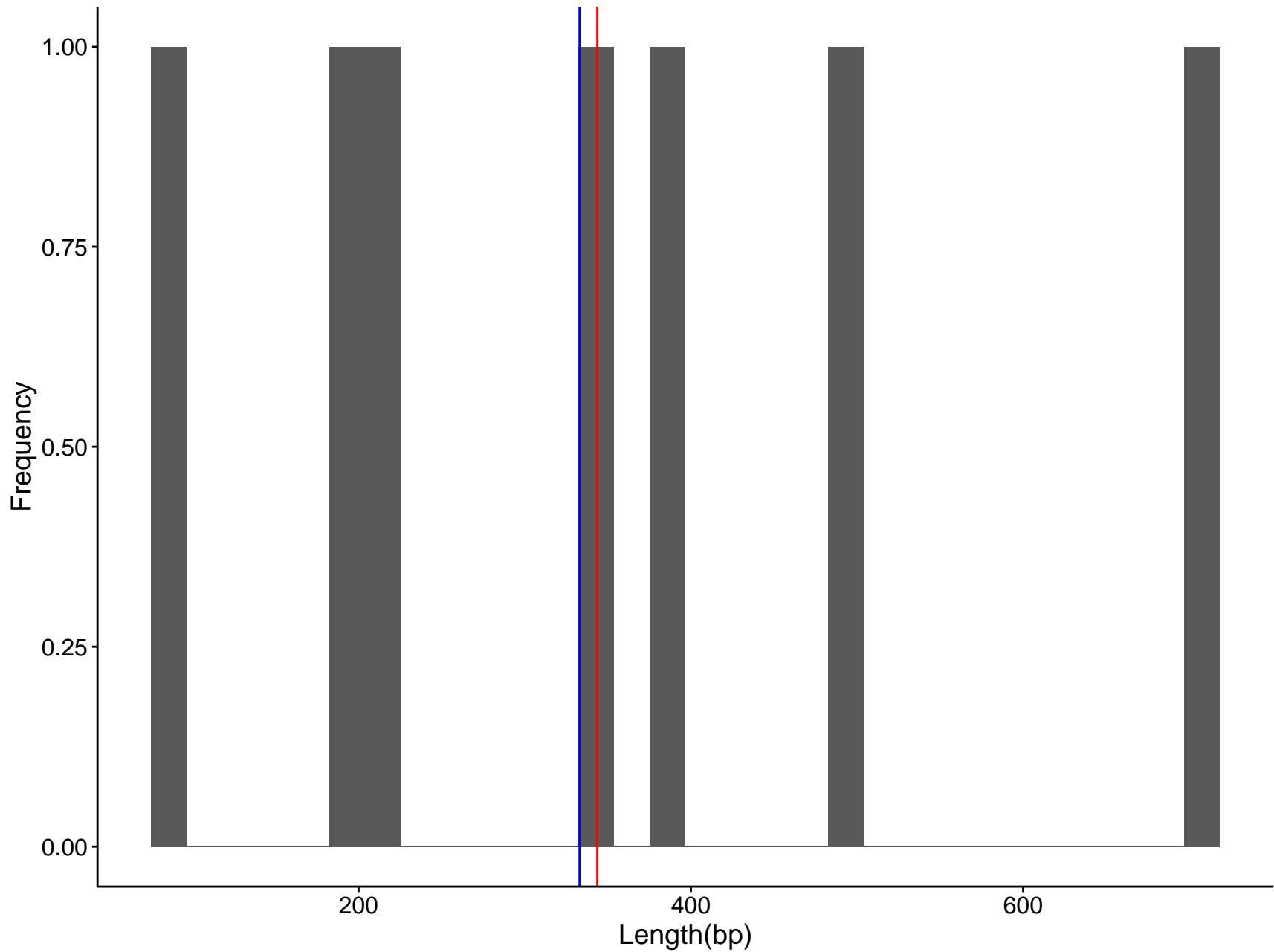
# Cluster558



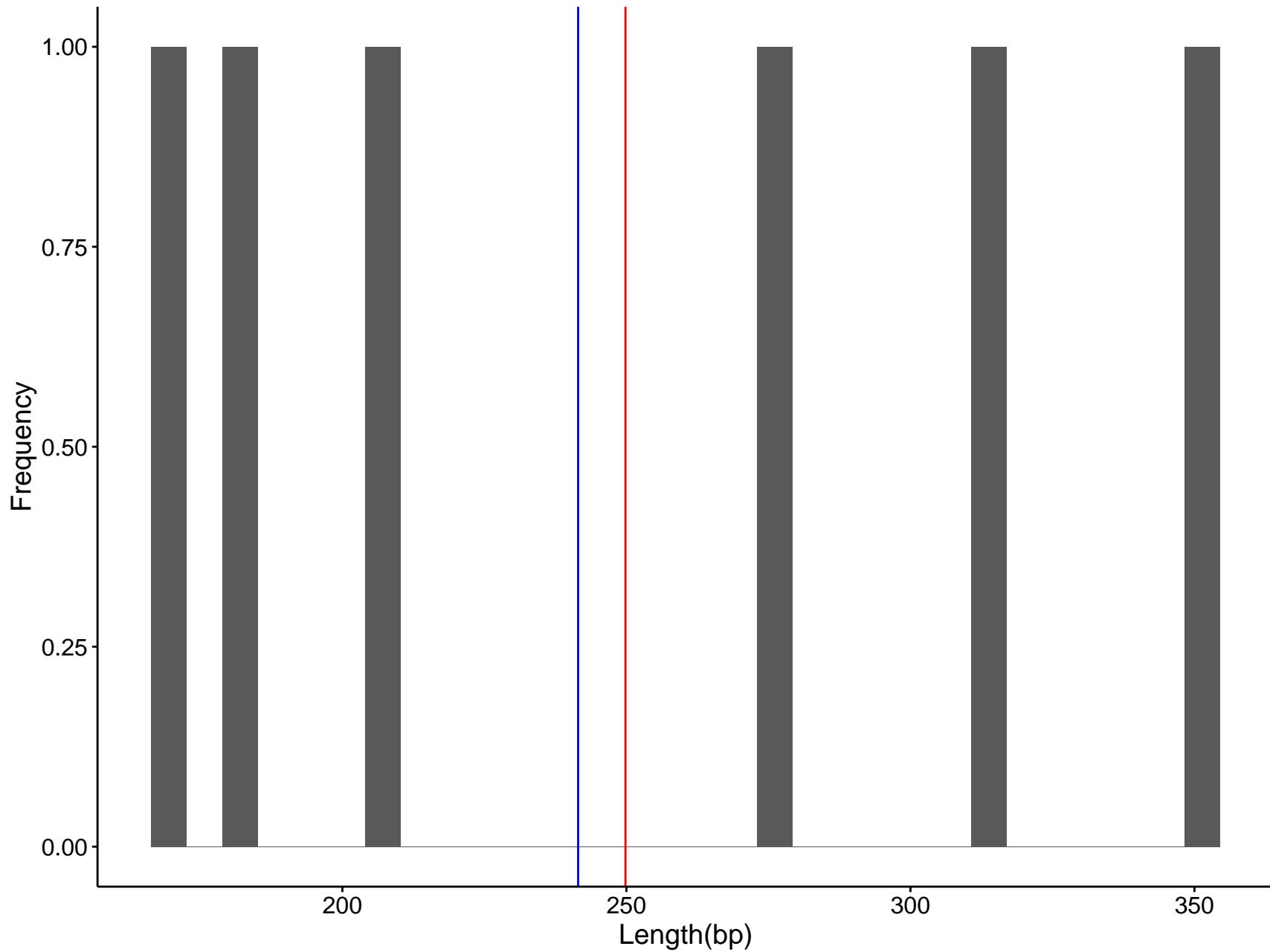
Cluster559



Cluster560



Cluster561



# Cluster562

Frequency

1087.950

1087.975

1088.000  
Length(bp)

1088.025

1088.



# Cluster563

Frequency

91.950

91.975

92.000

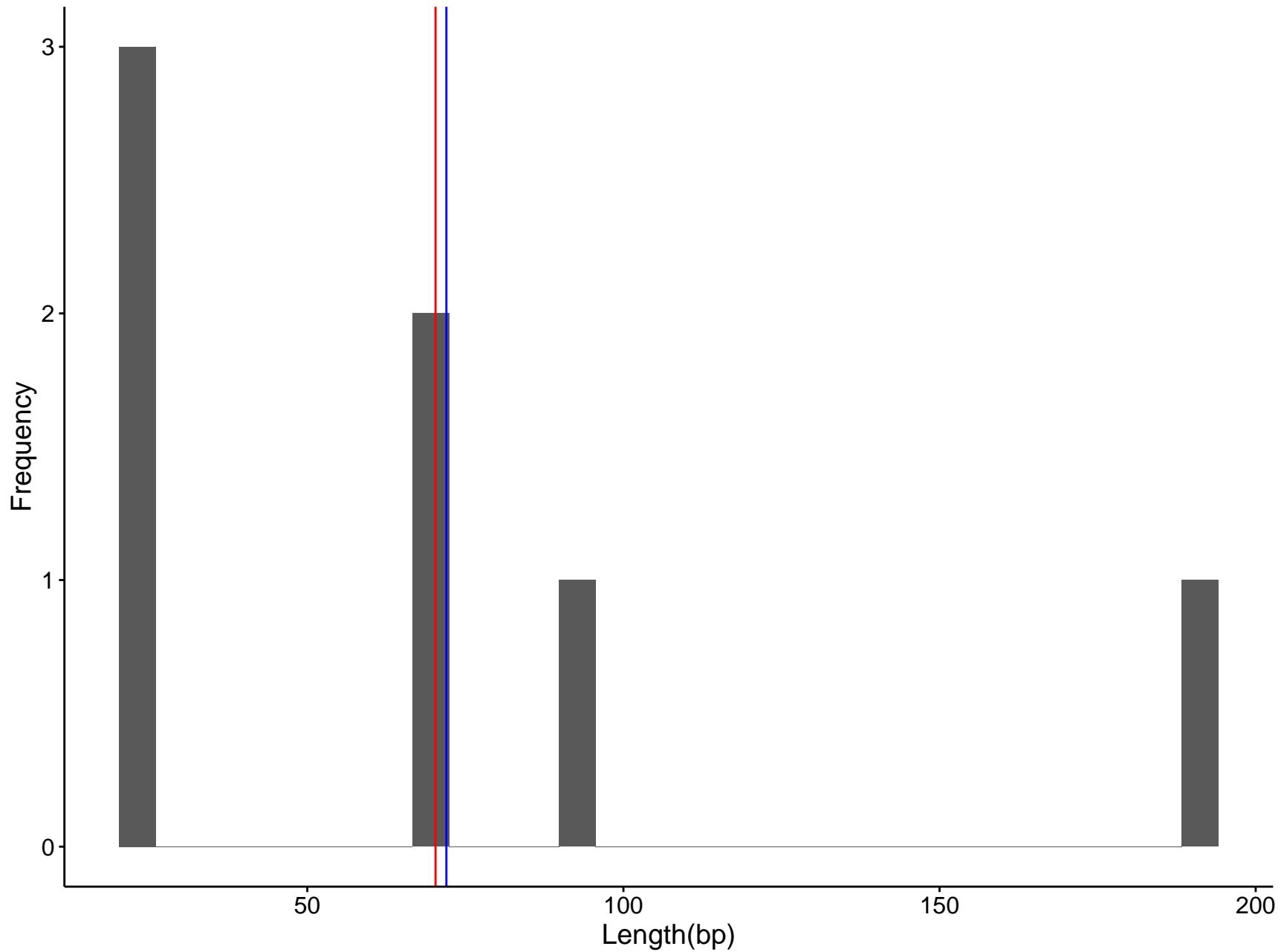
92.025

92.0

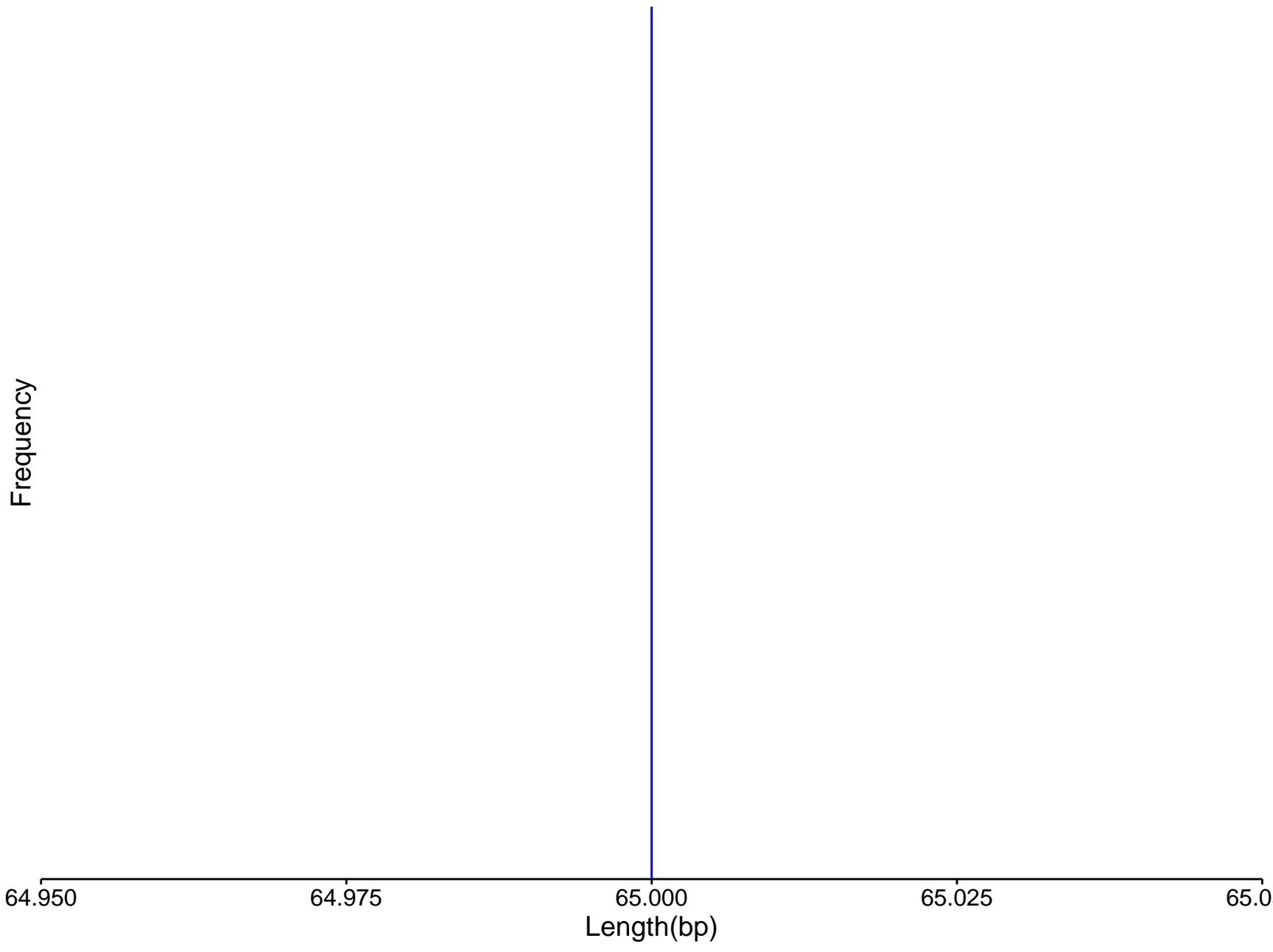
Length(bp)



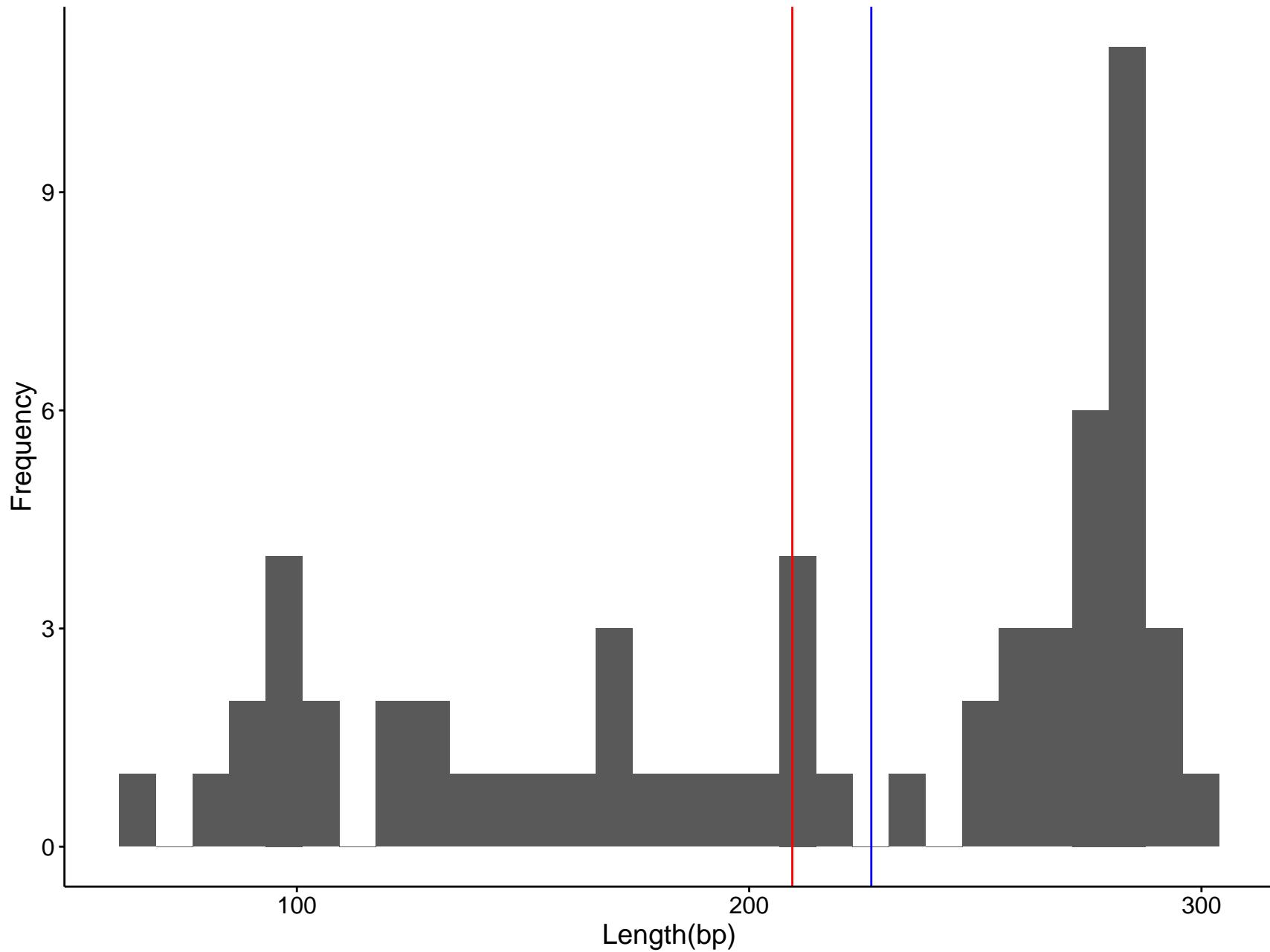
Cluster566



# Cluster568



Cluster56



# Cluster571

Frequency

133.950

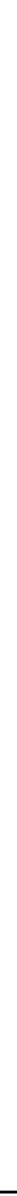
133.975

134.000

134.025

134.050

Length(bp)



# Cluster572

Frequency

340.950

340.975

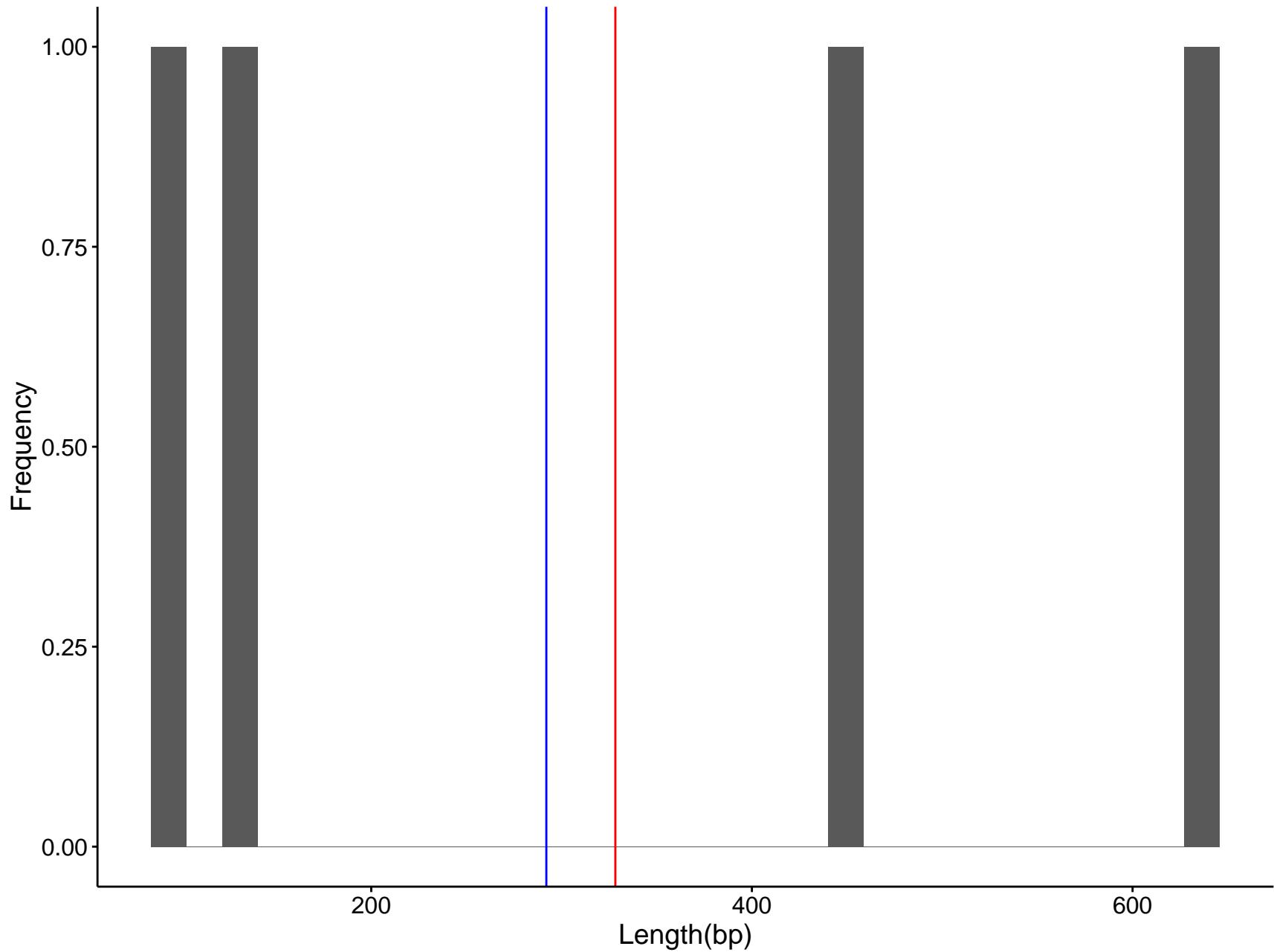
341.000

341.025

Length(bp)



Cluster573



# Cluster575

Frequency

76.950

76.975

77.000

77.025

77.0

Length(bp)



# Cluster577

Frequency

236.950

236.975

237.000

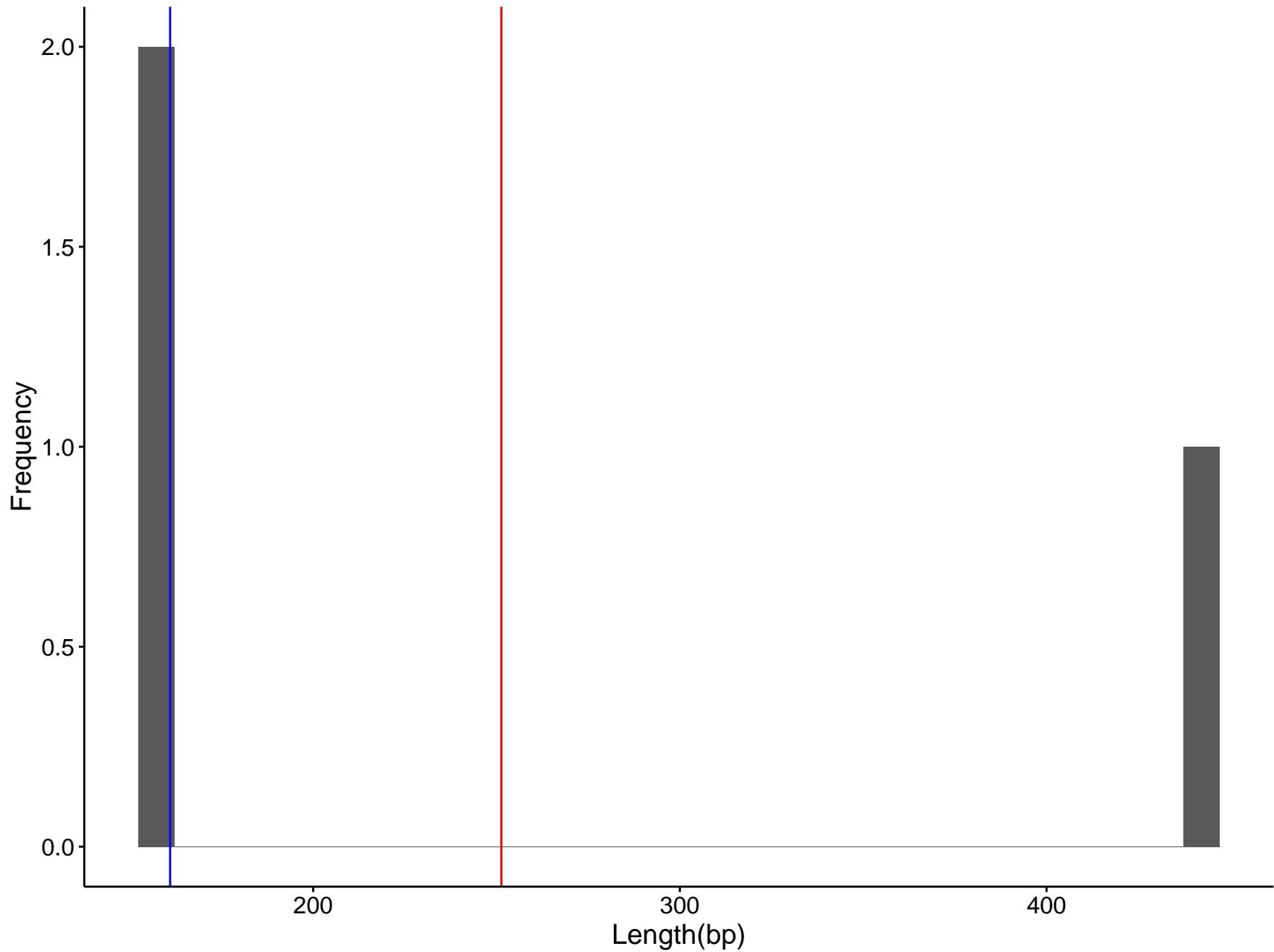
237.025

237.050

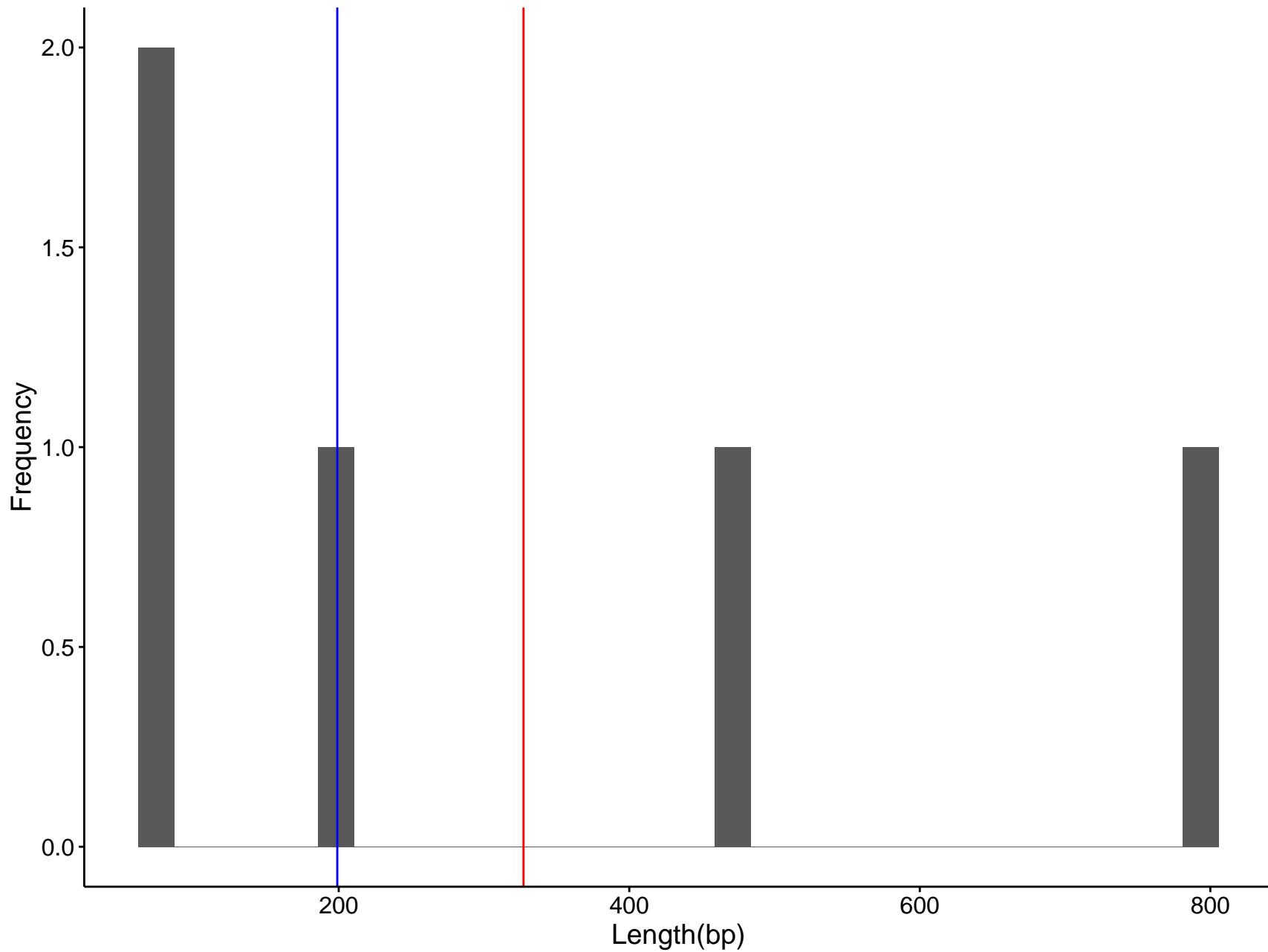
Length(bp)



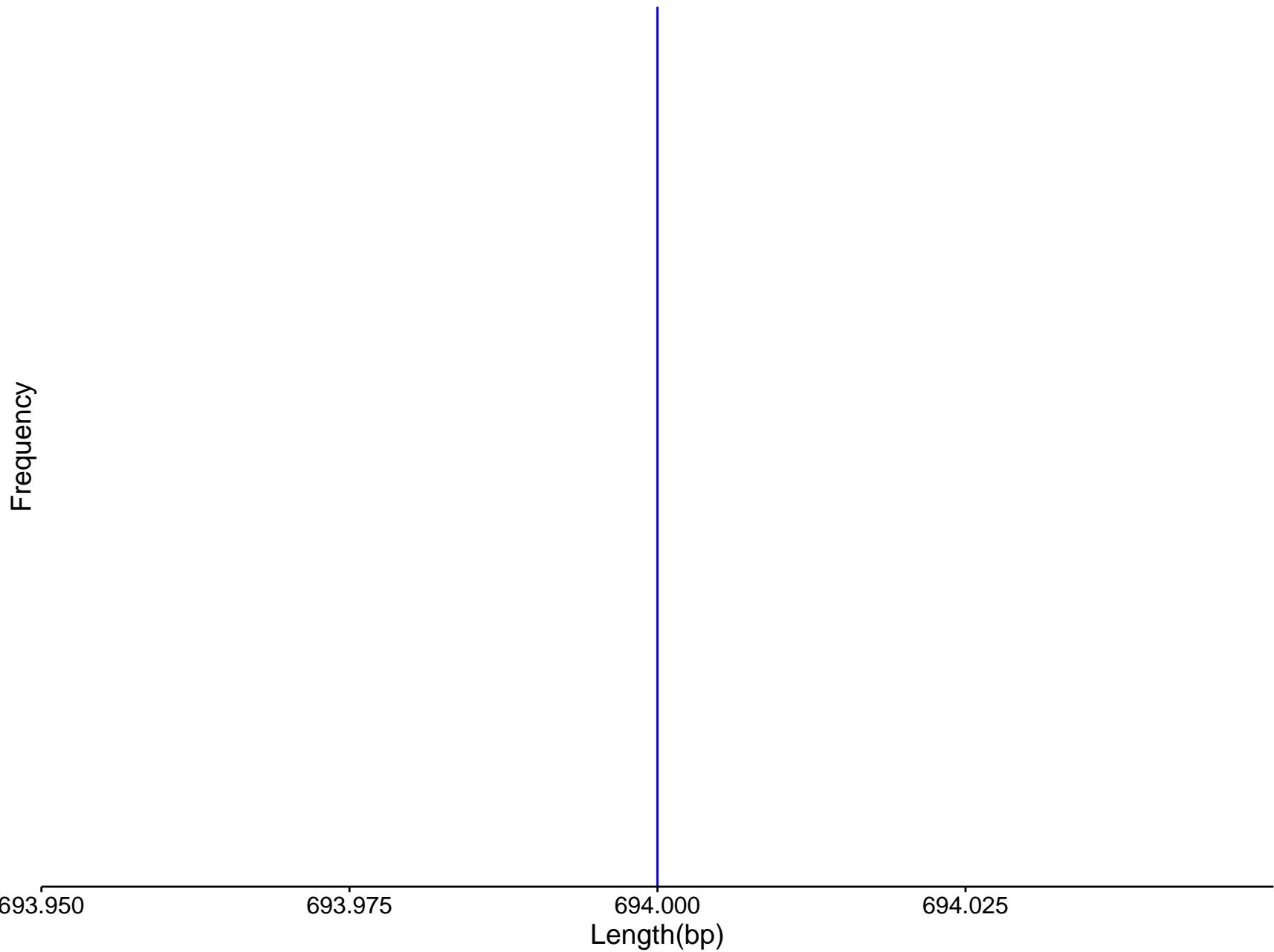
Cluster578



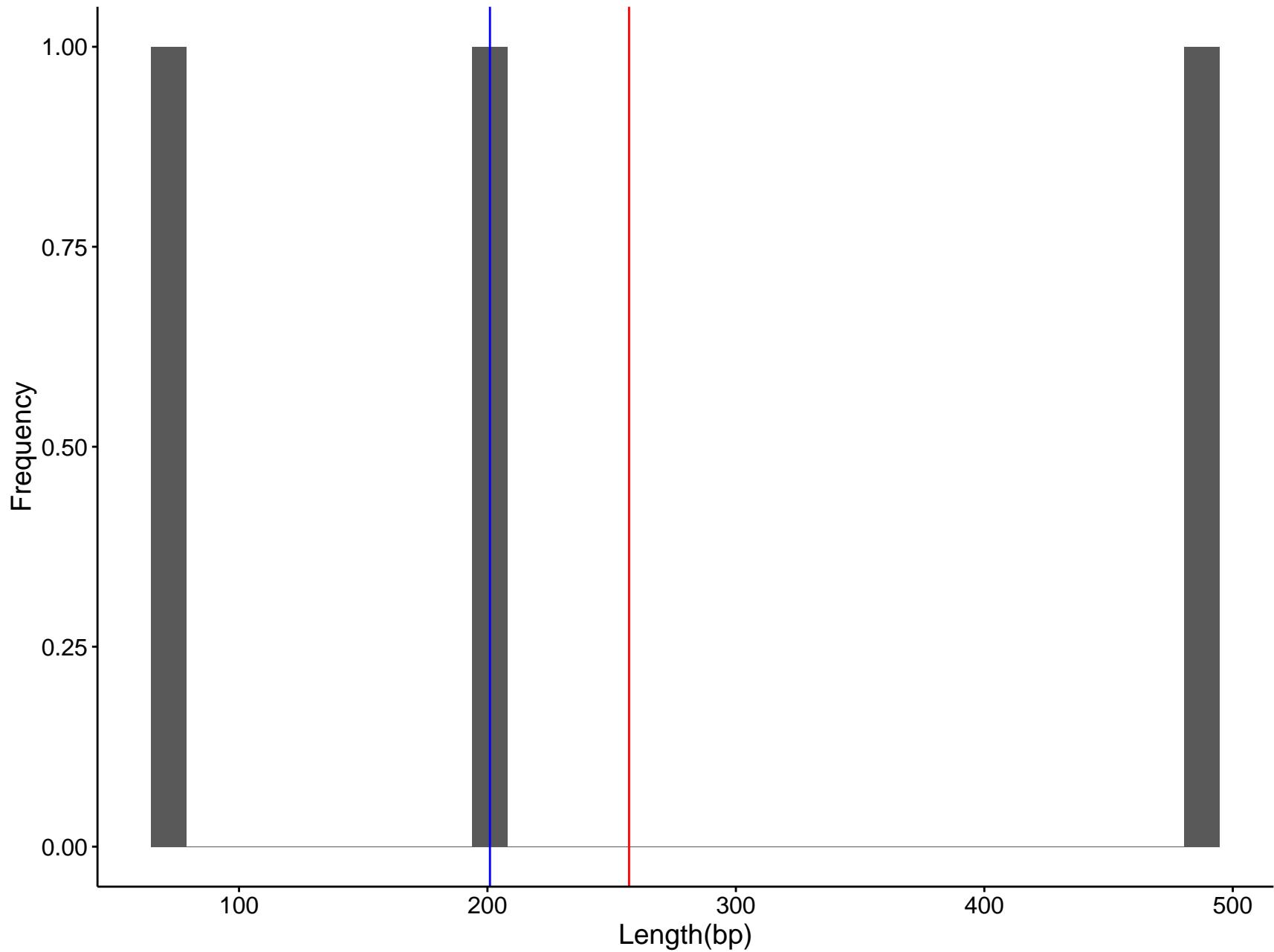
Cluster579



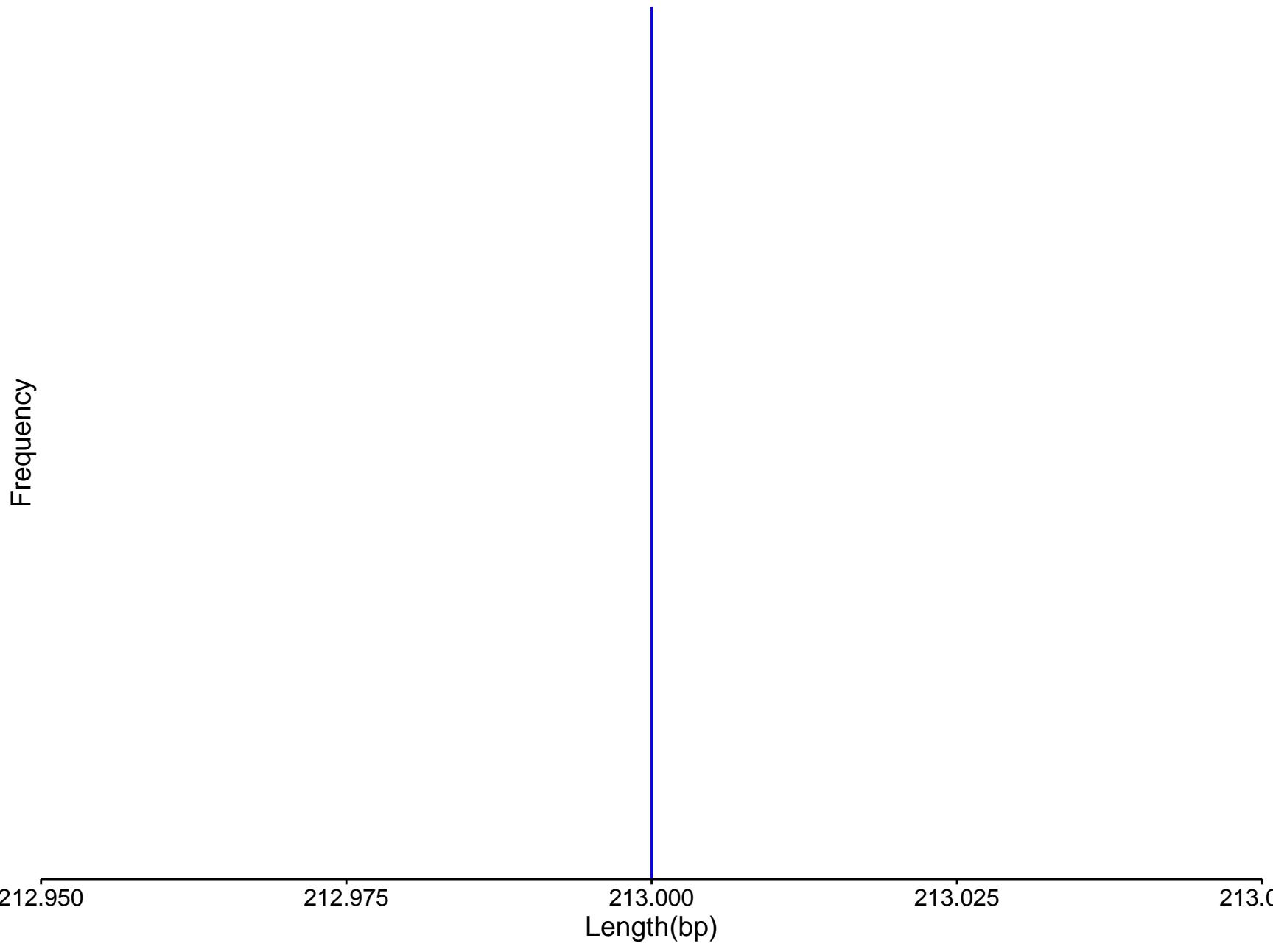
# Cluster582



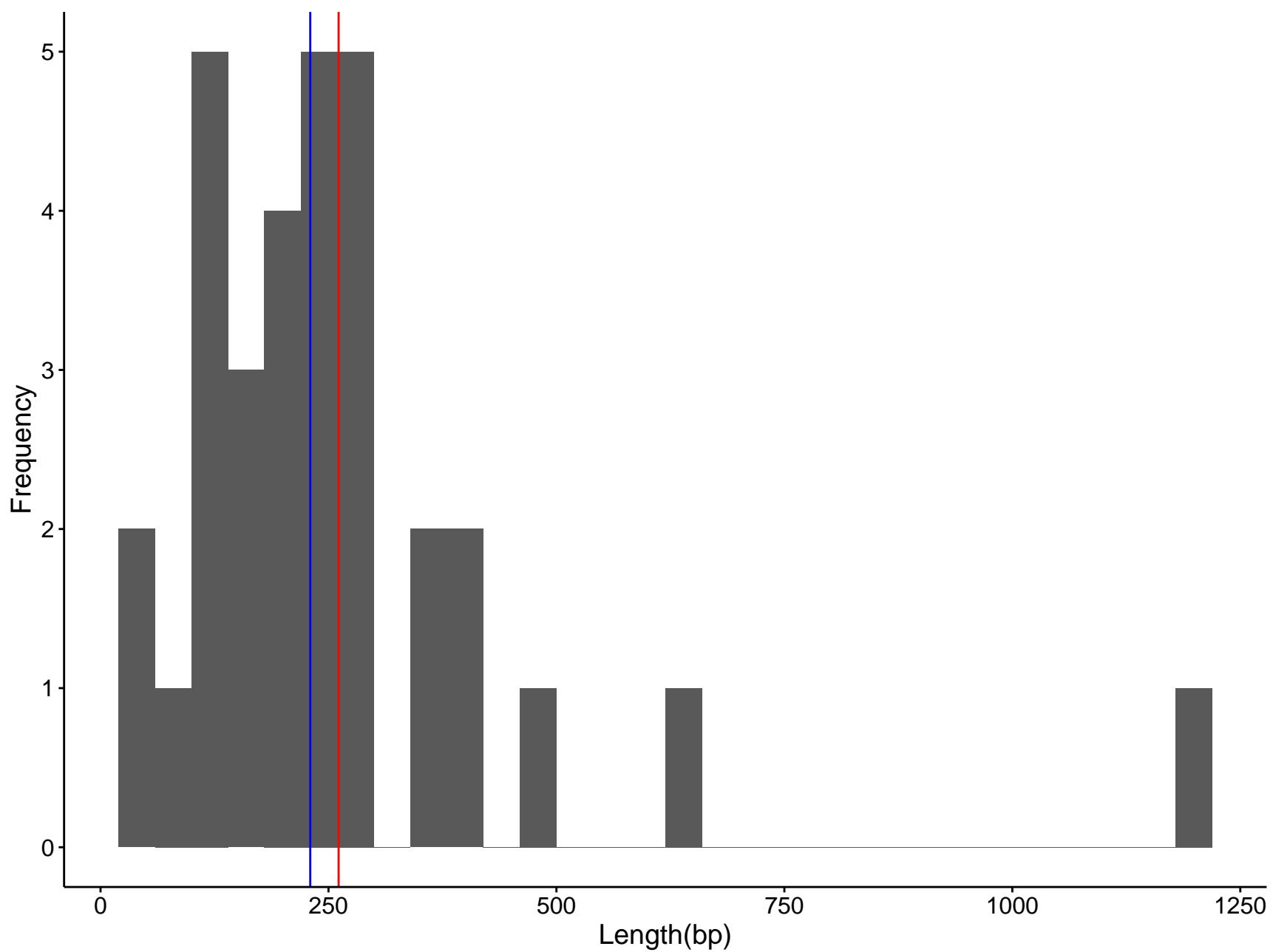
Cluster583



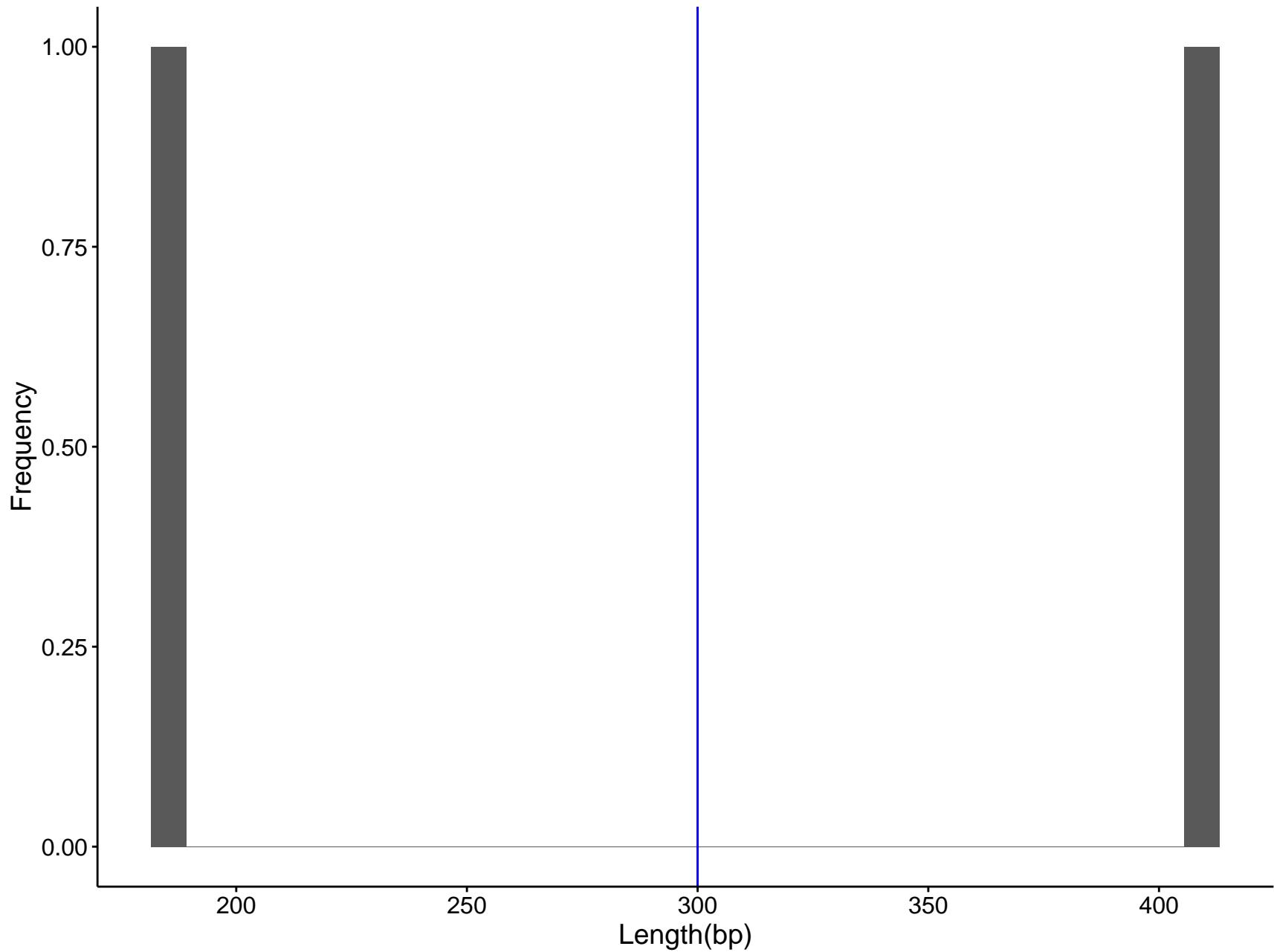
# Cluster584



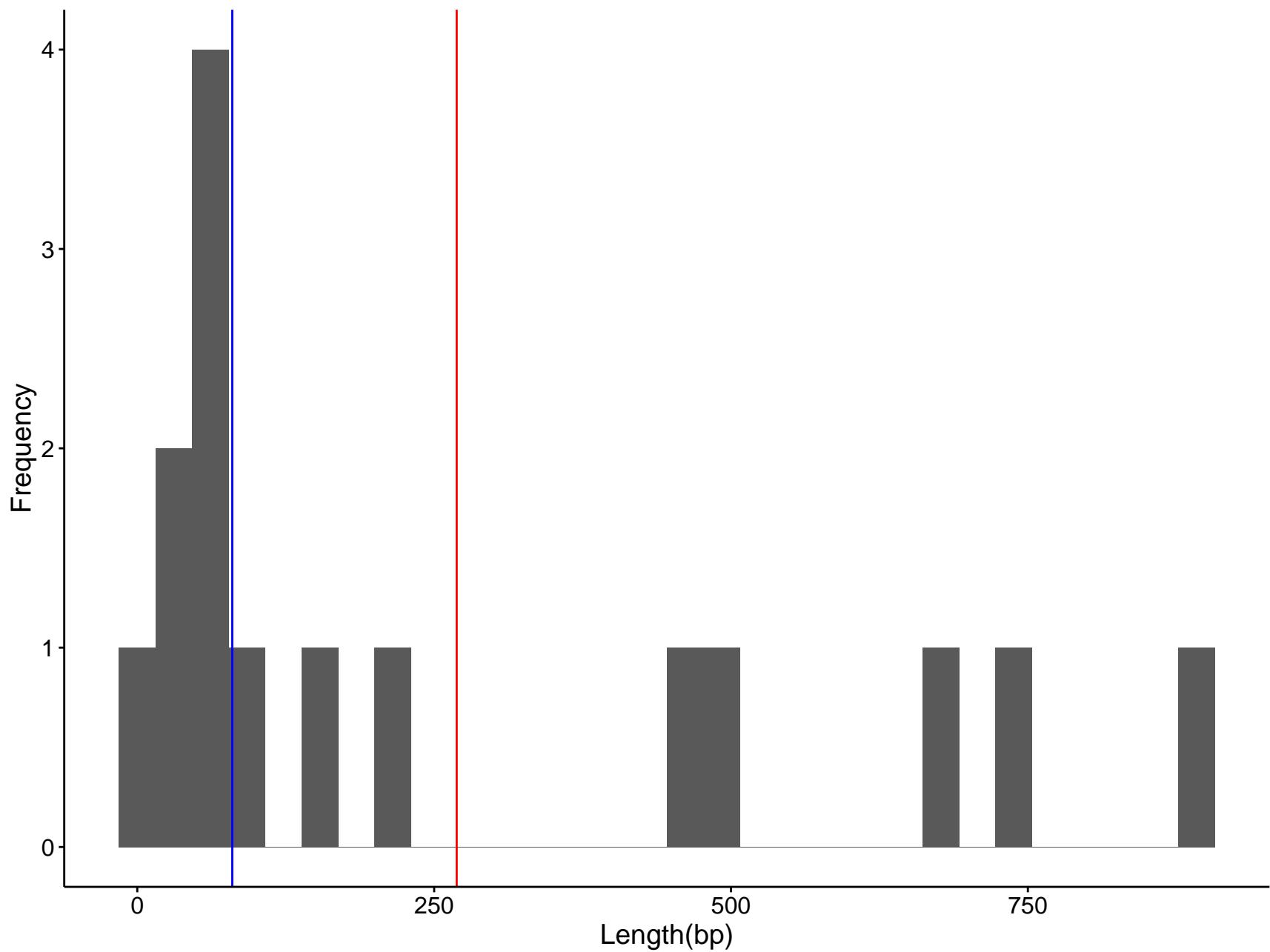
Cluster587



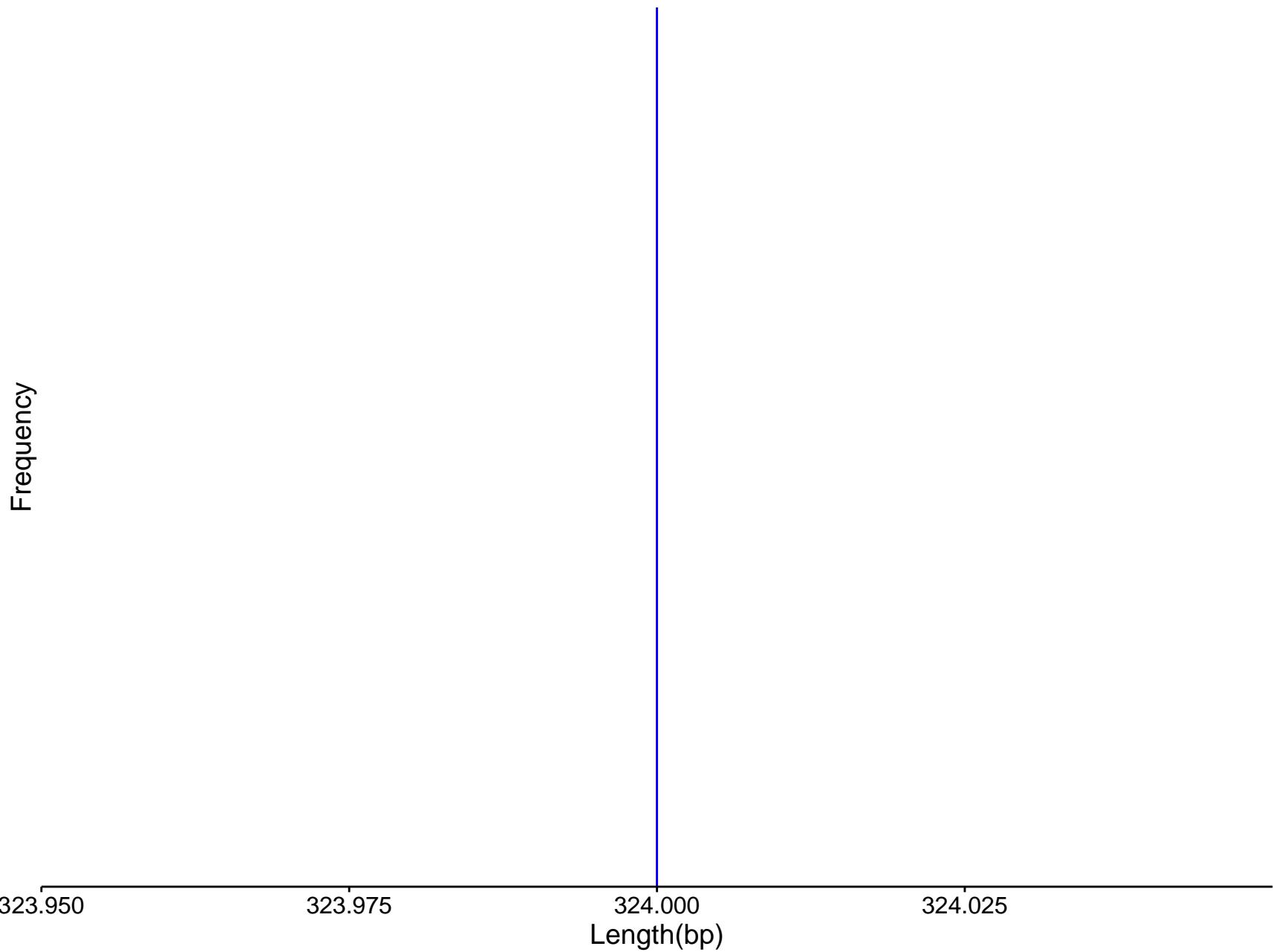
Cluster588



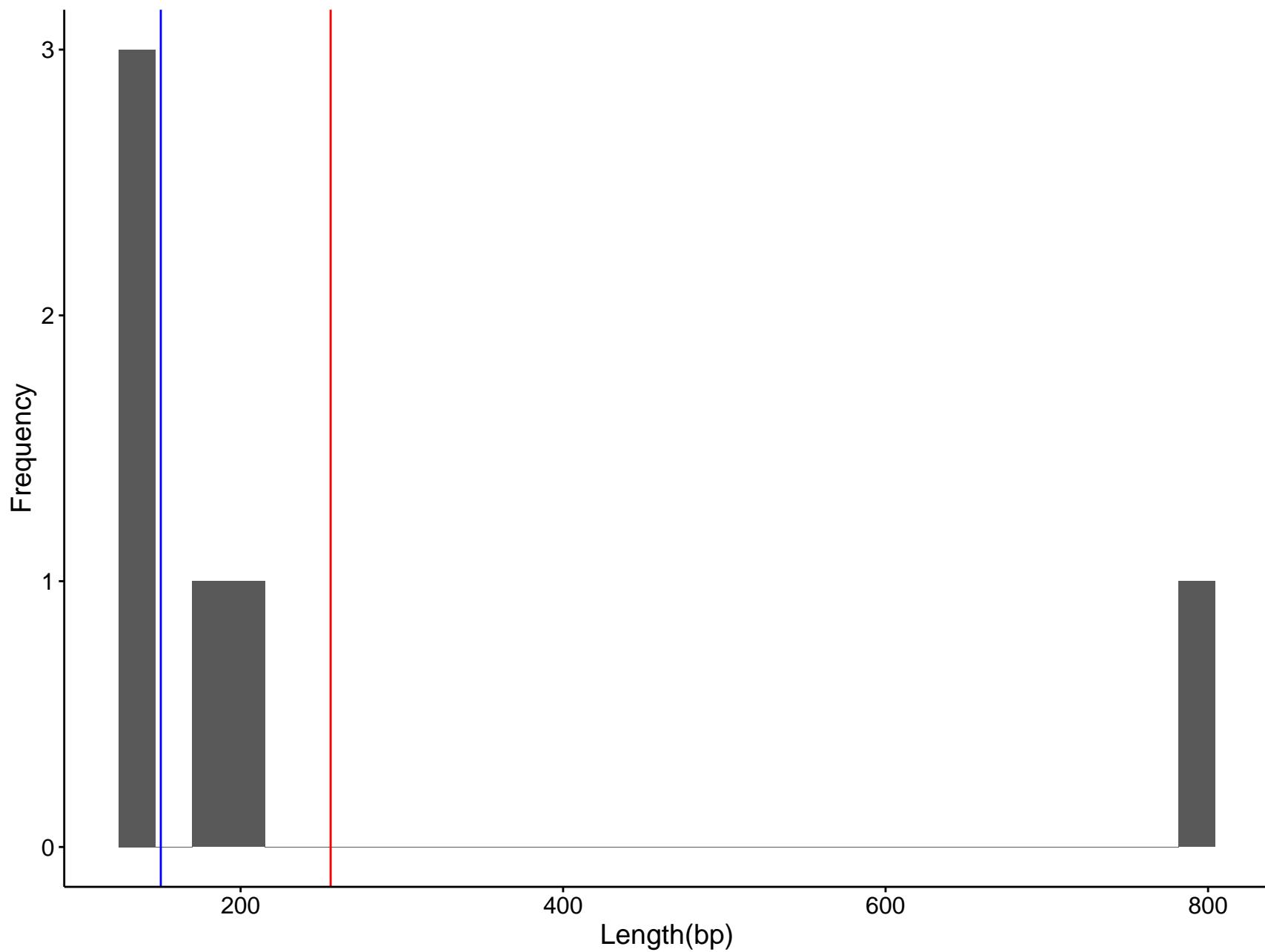
Cluster589



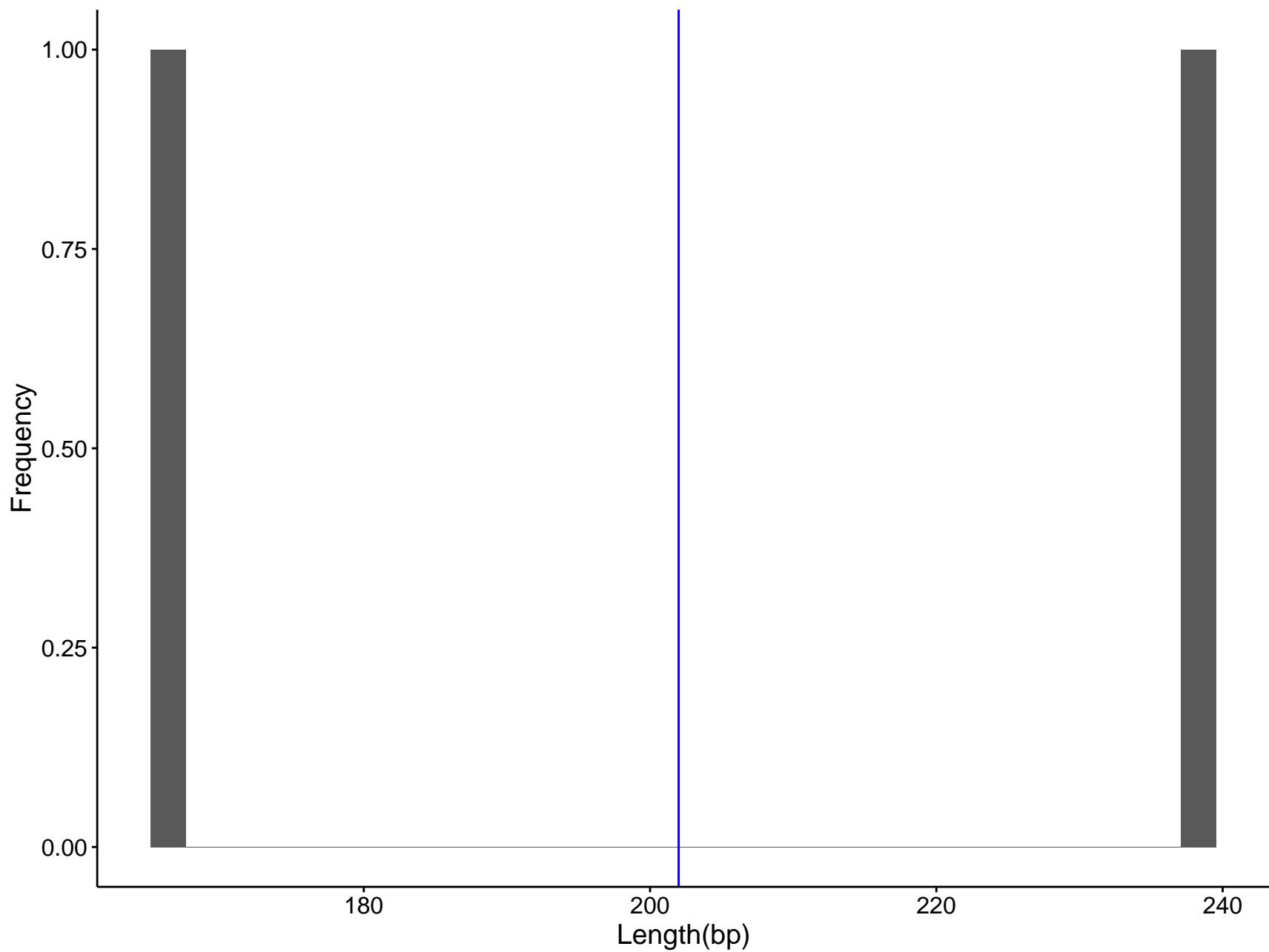
# Cluster590



Cluster591



Cluster592



# Cluster594

Frequency

169.950

169.975

170.000

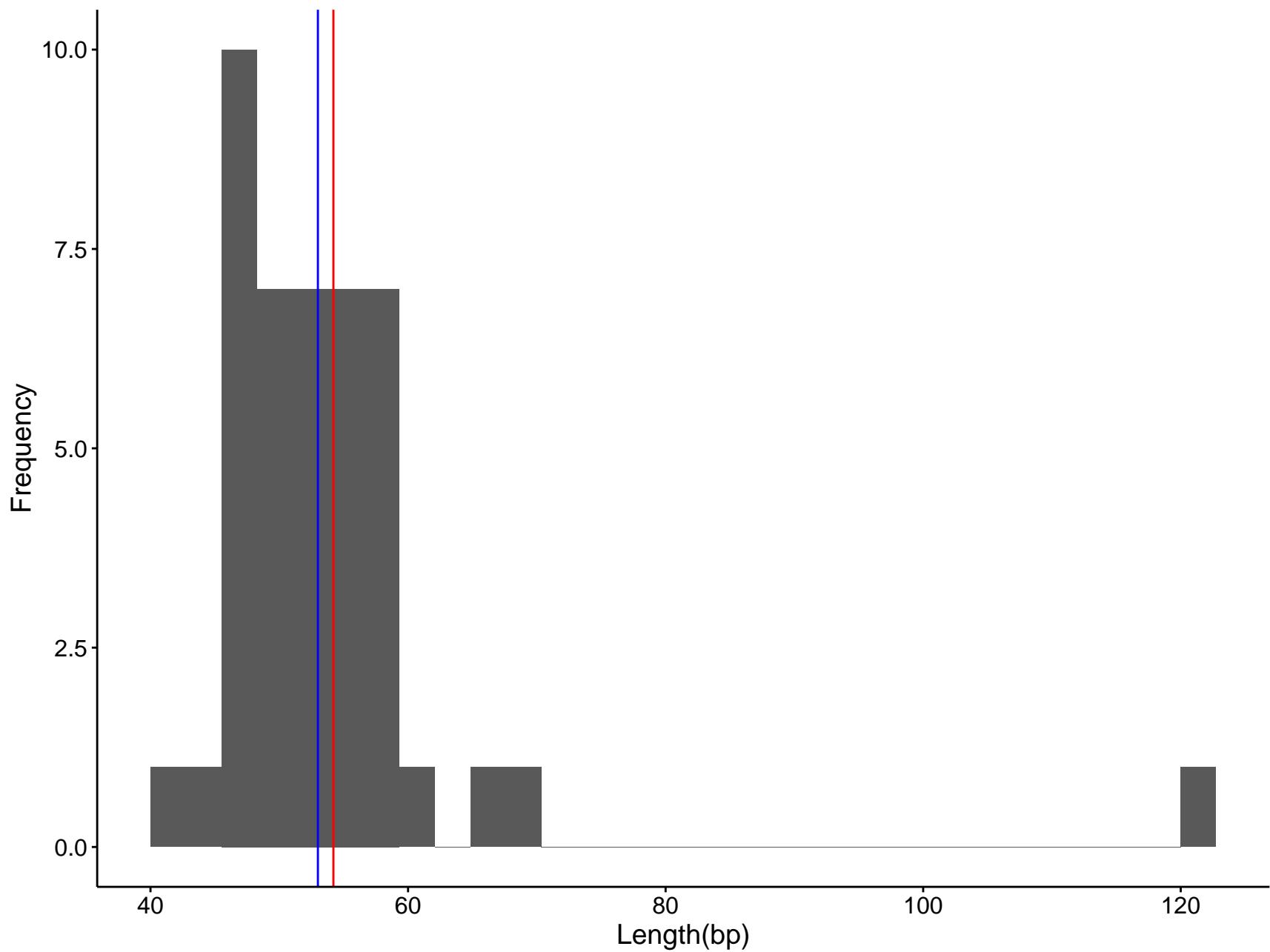
170.025

170.0

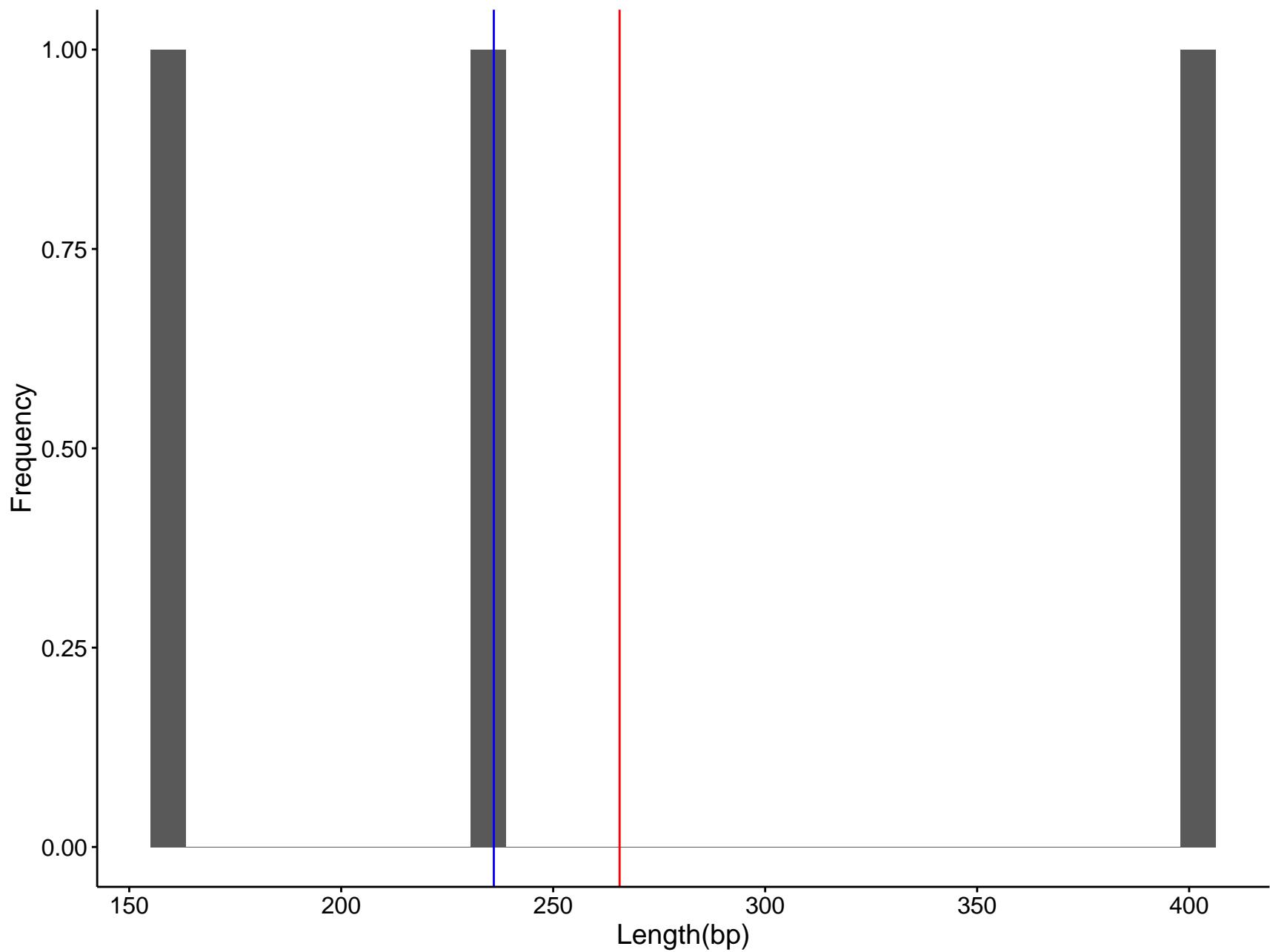
Length(bp)



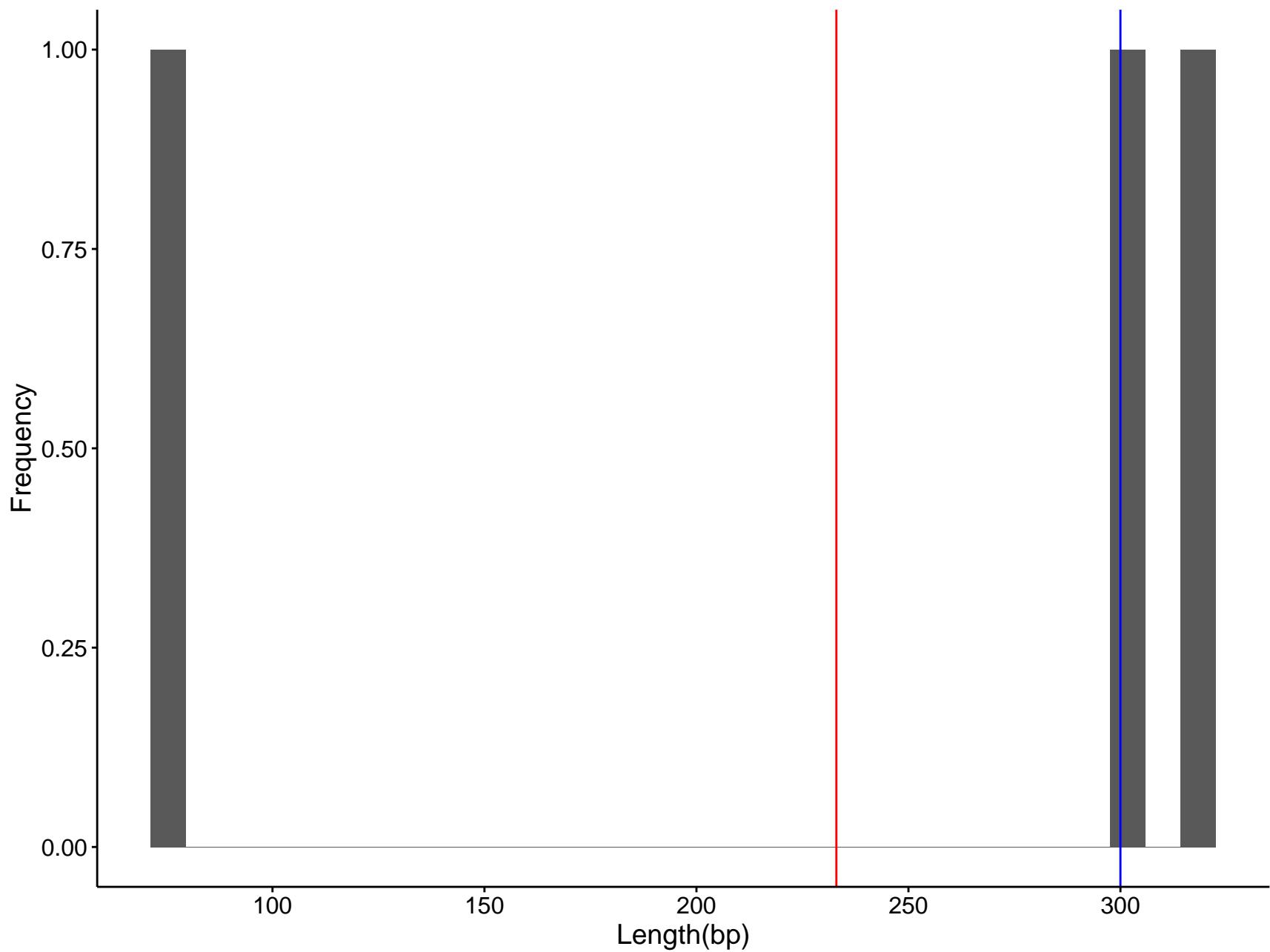
Cluster595



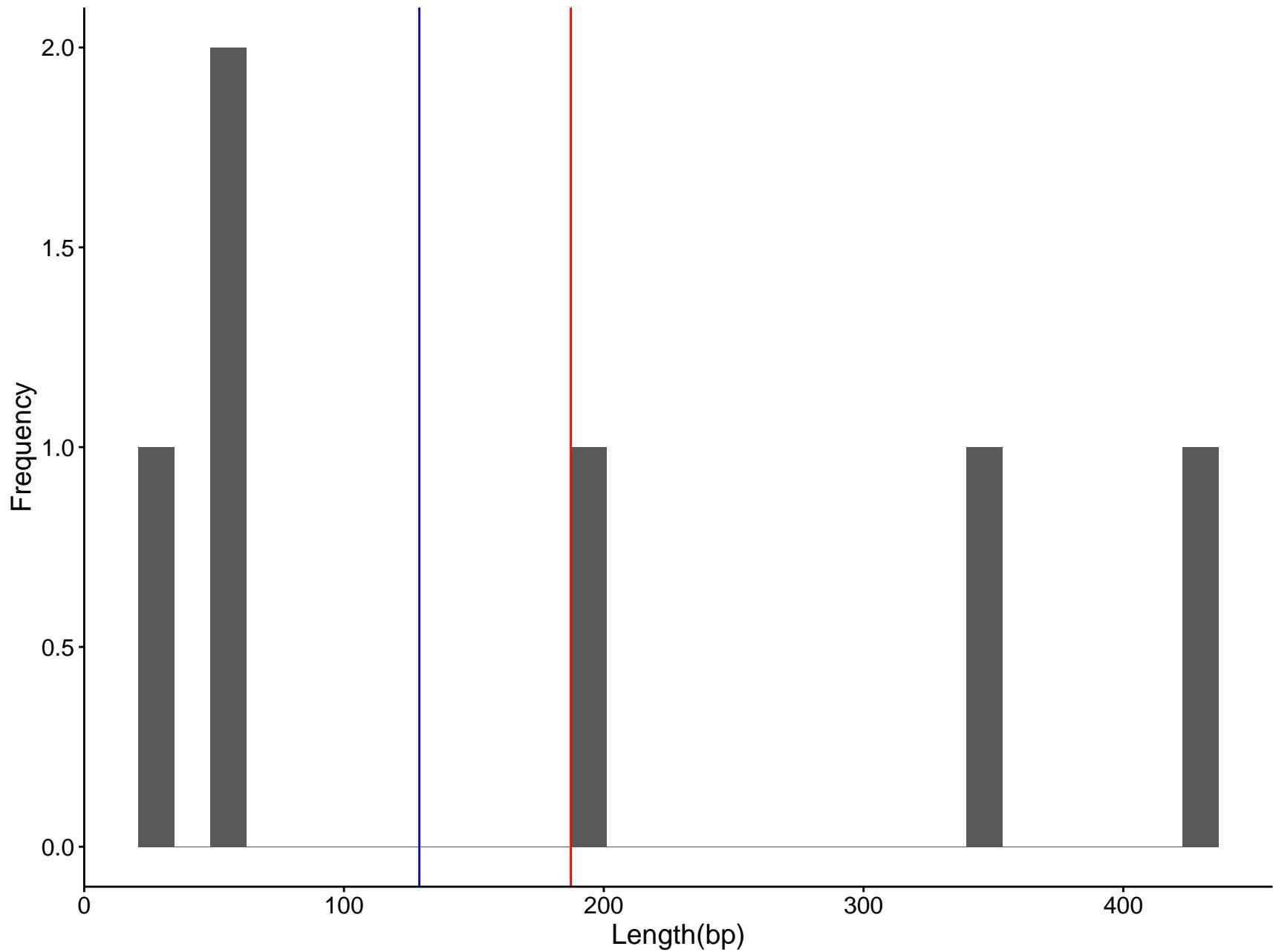
Cluster597

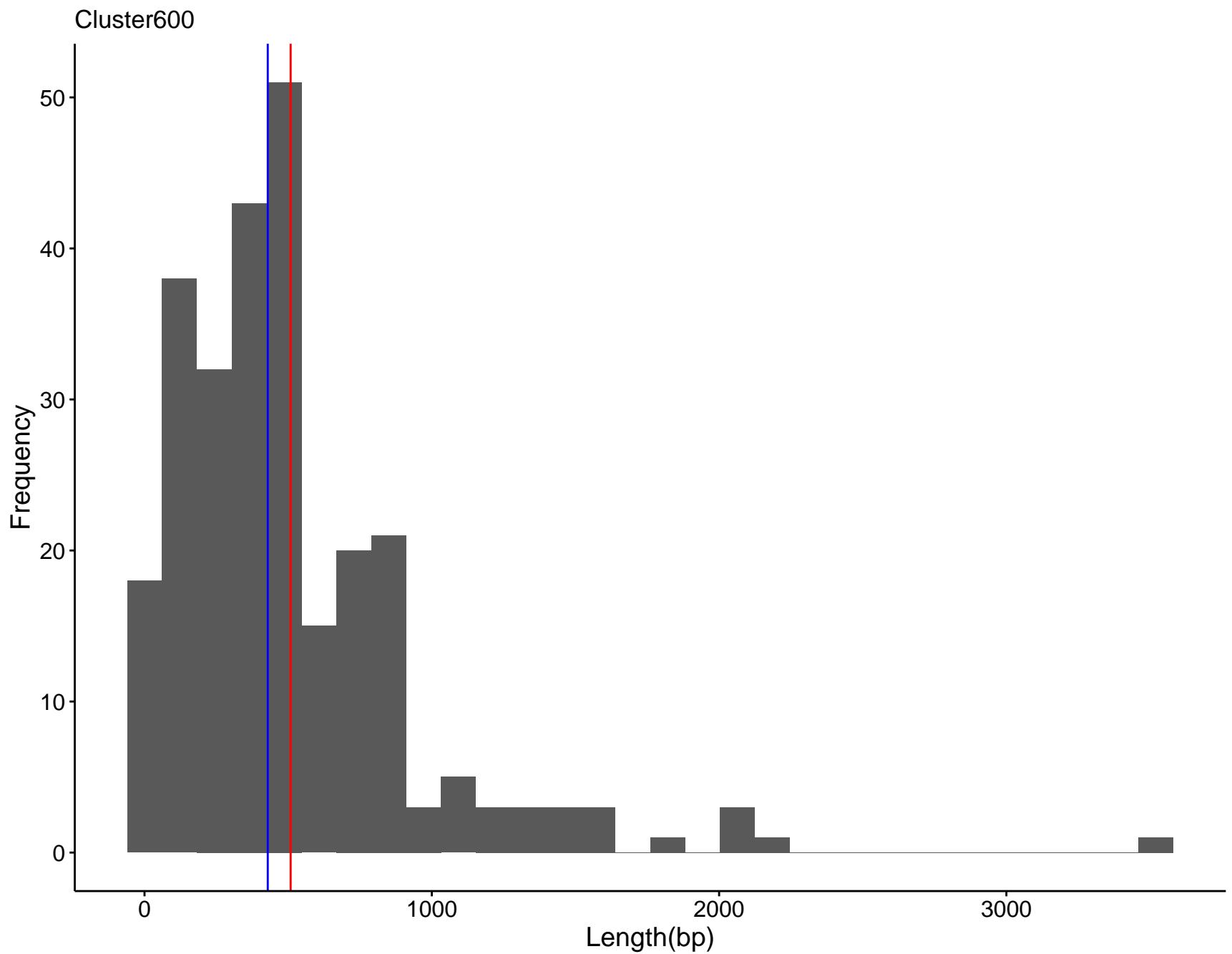


Cluster598

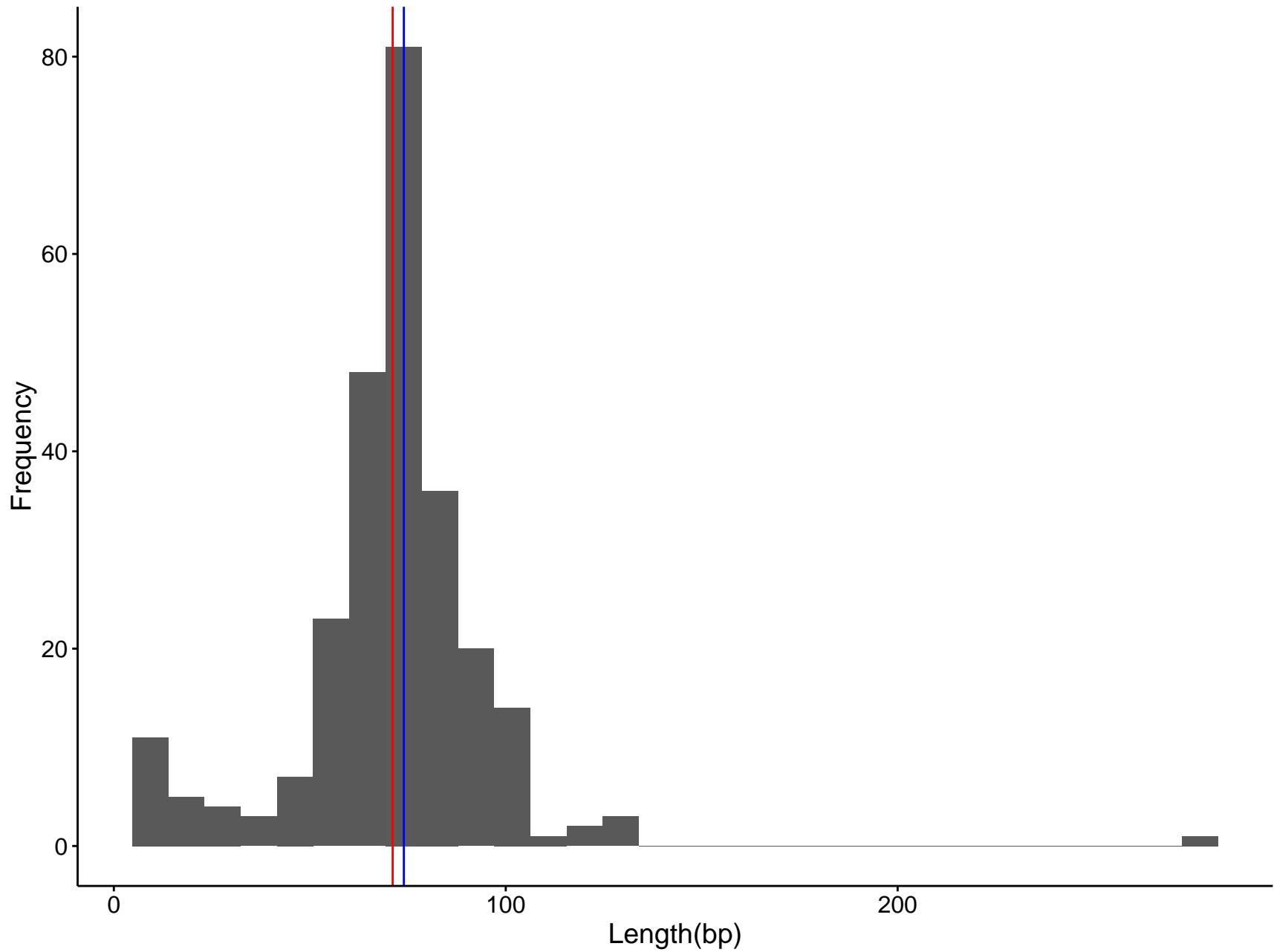


Cluster599

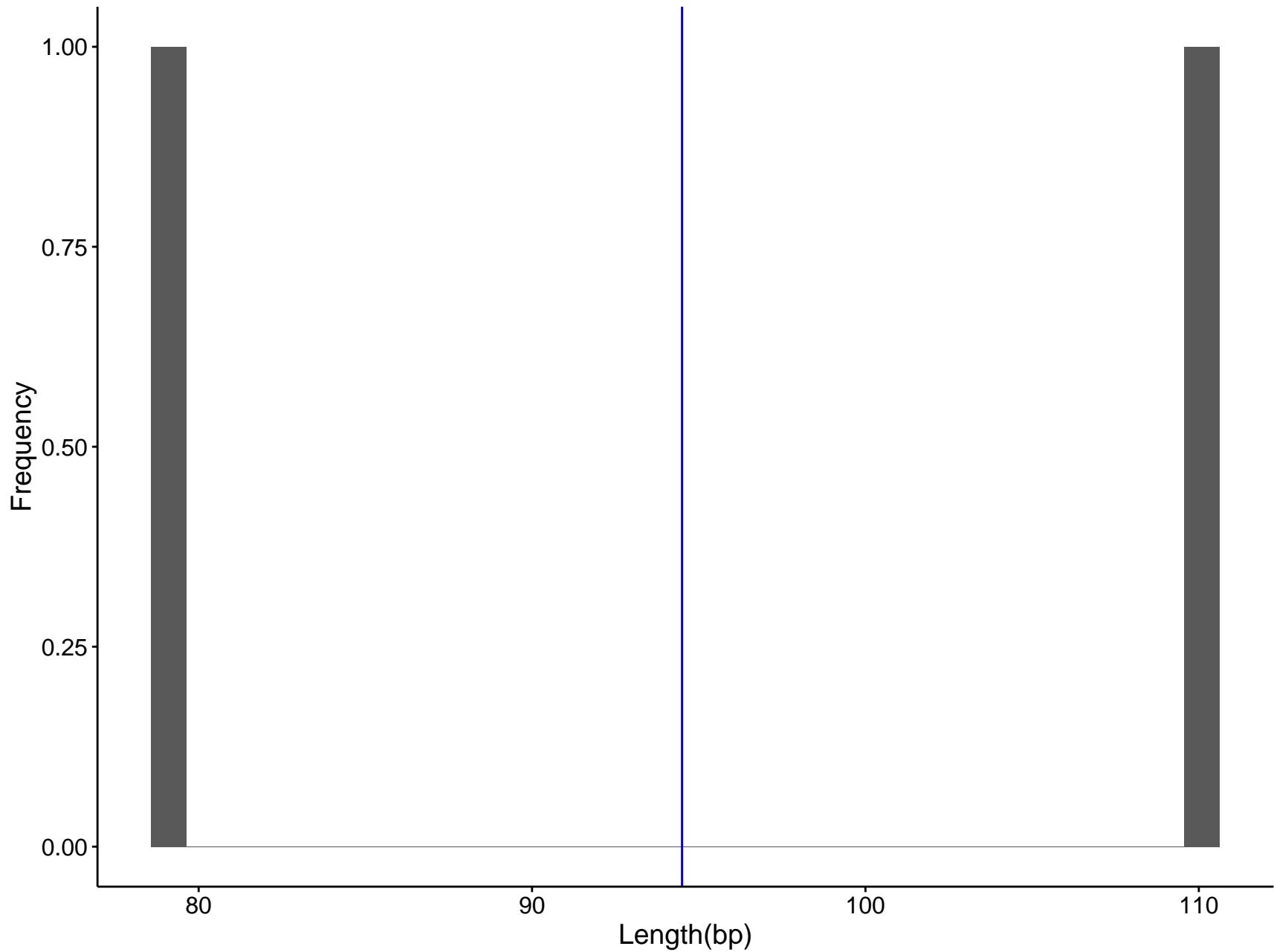




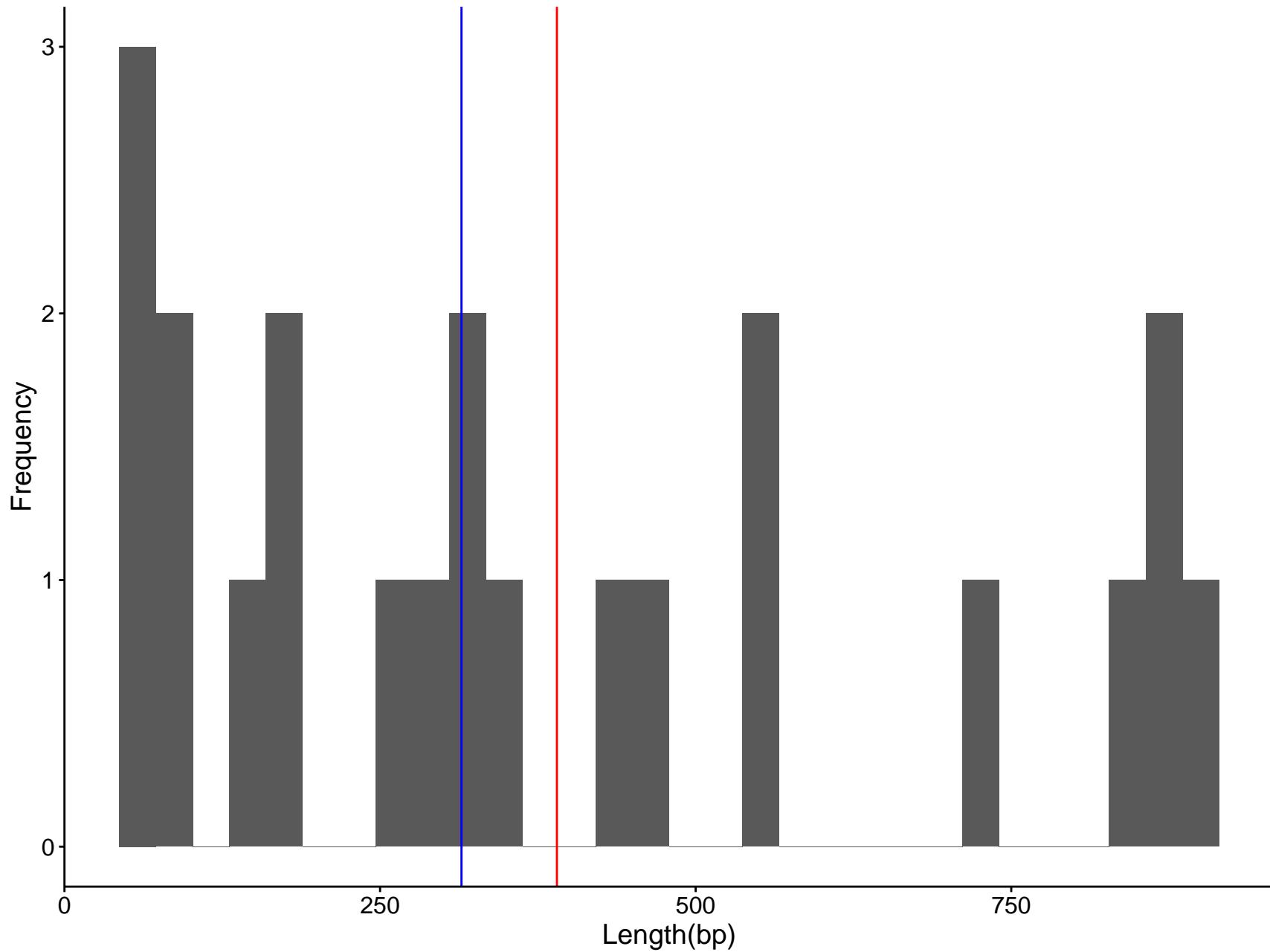
Cluster601



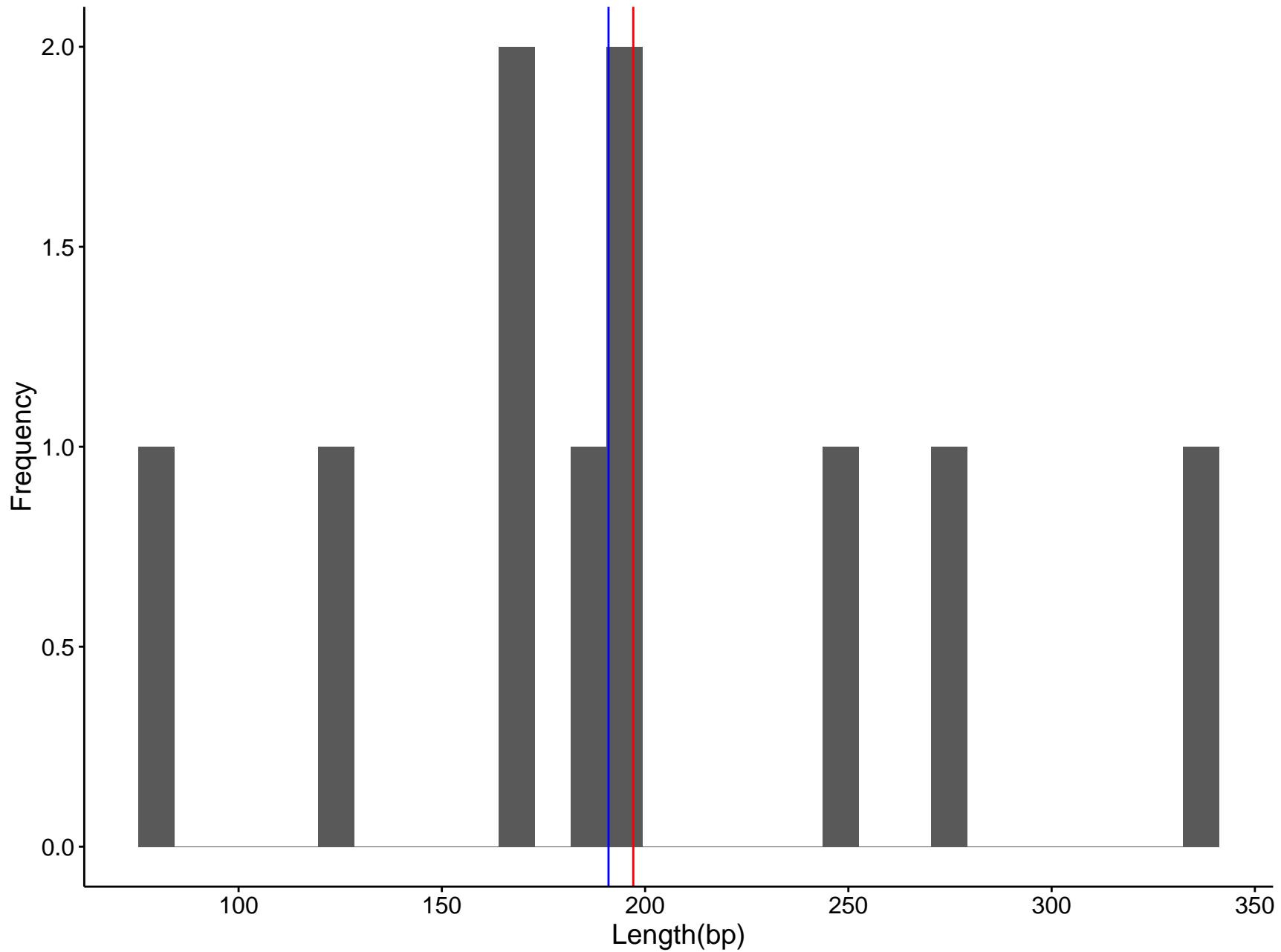
Cluster603



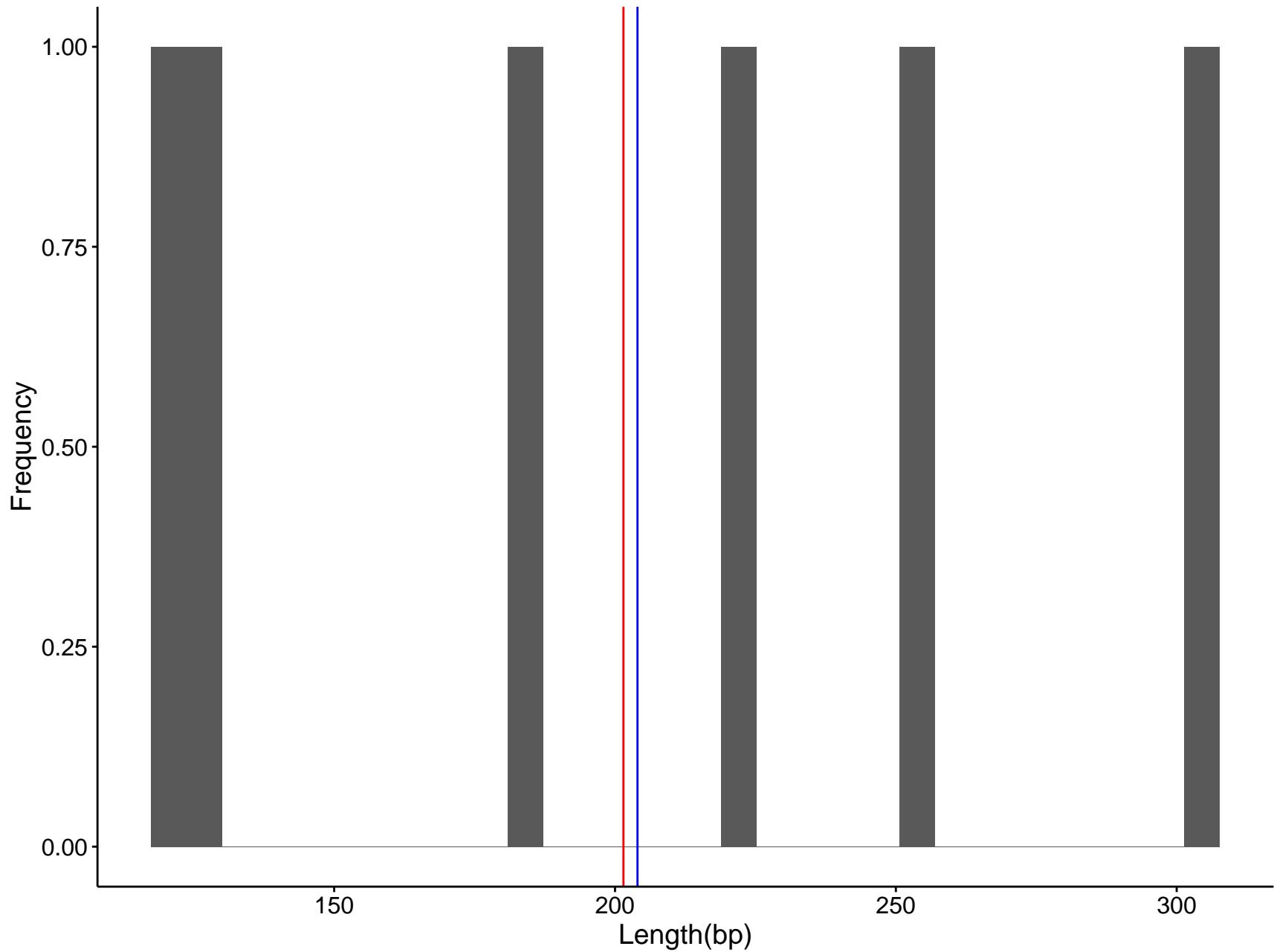
Cluster604



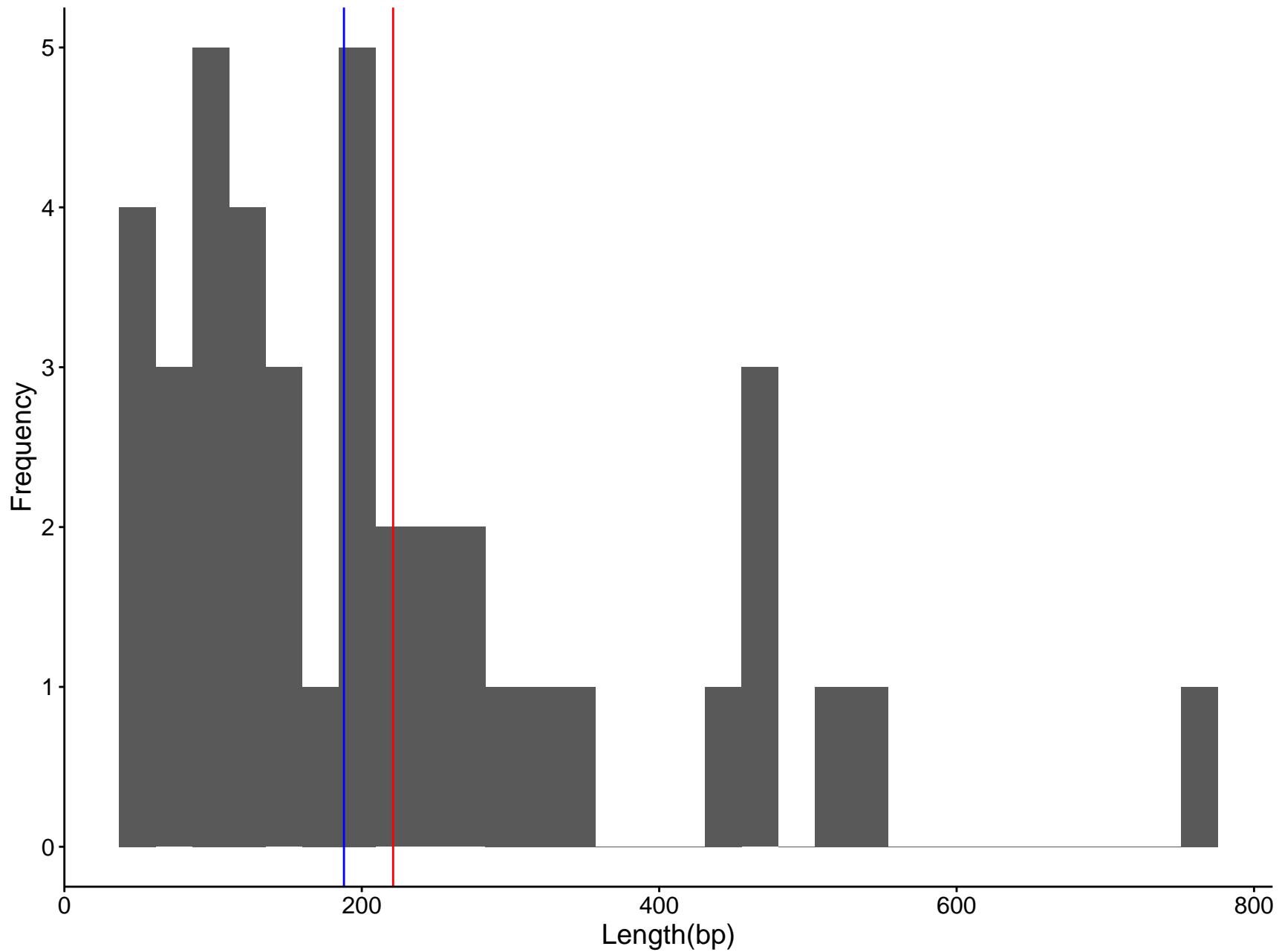
Cluster605



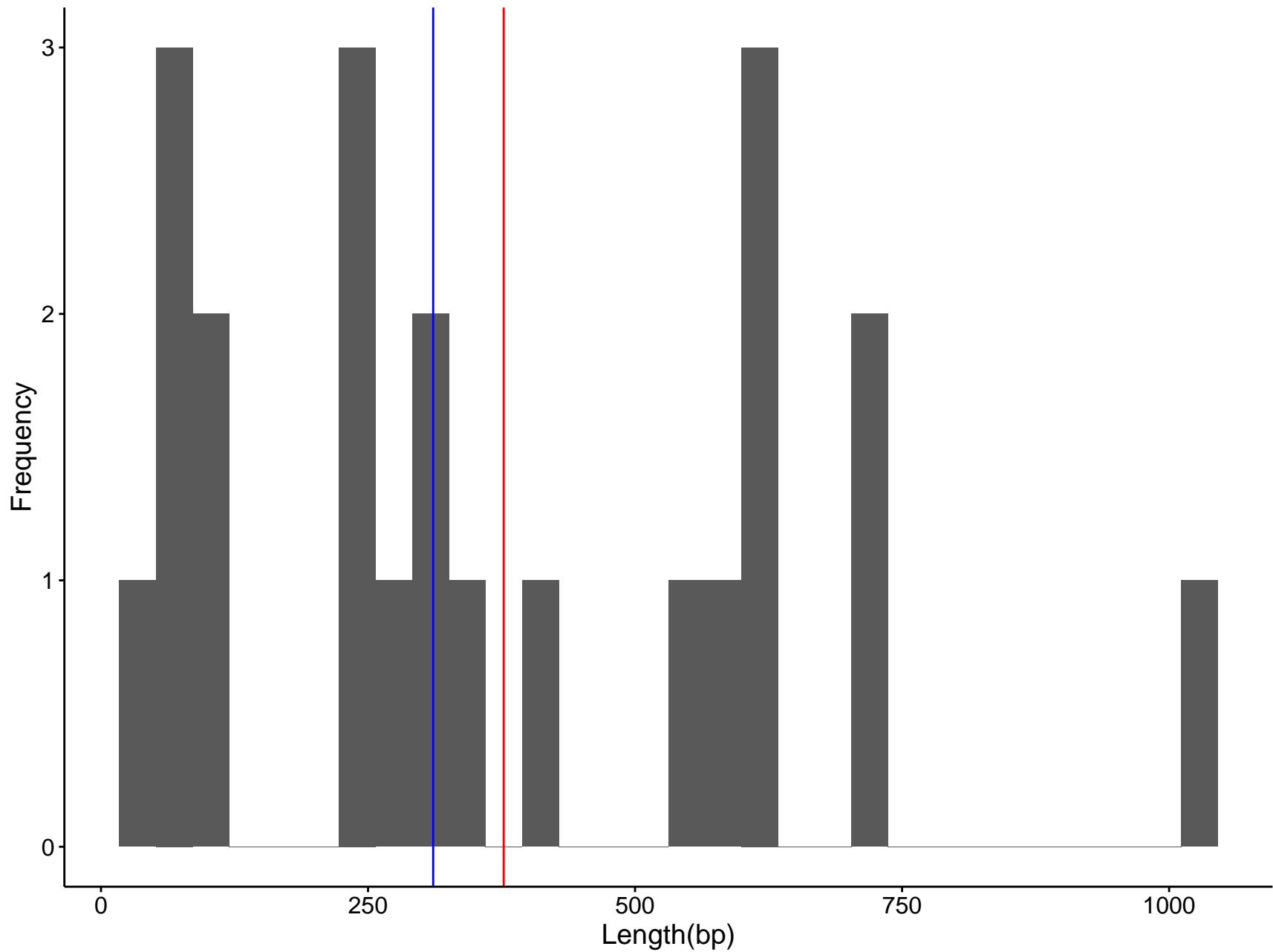
Cluster606



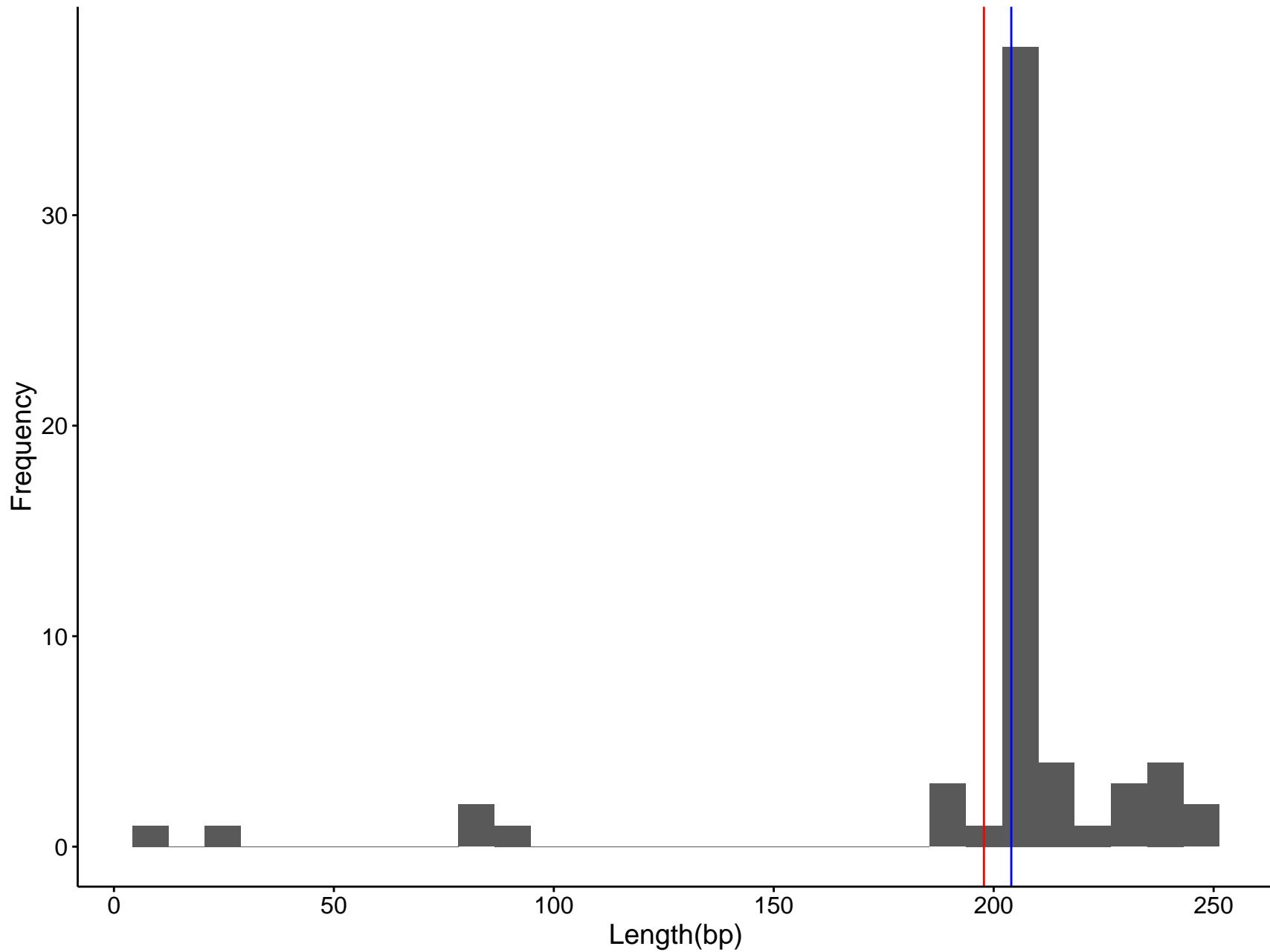
Cluster607



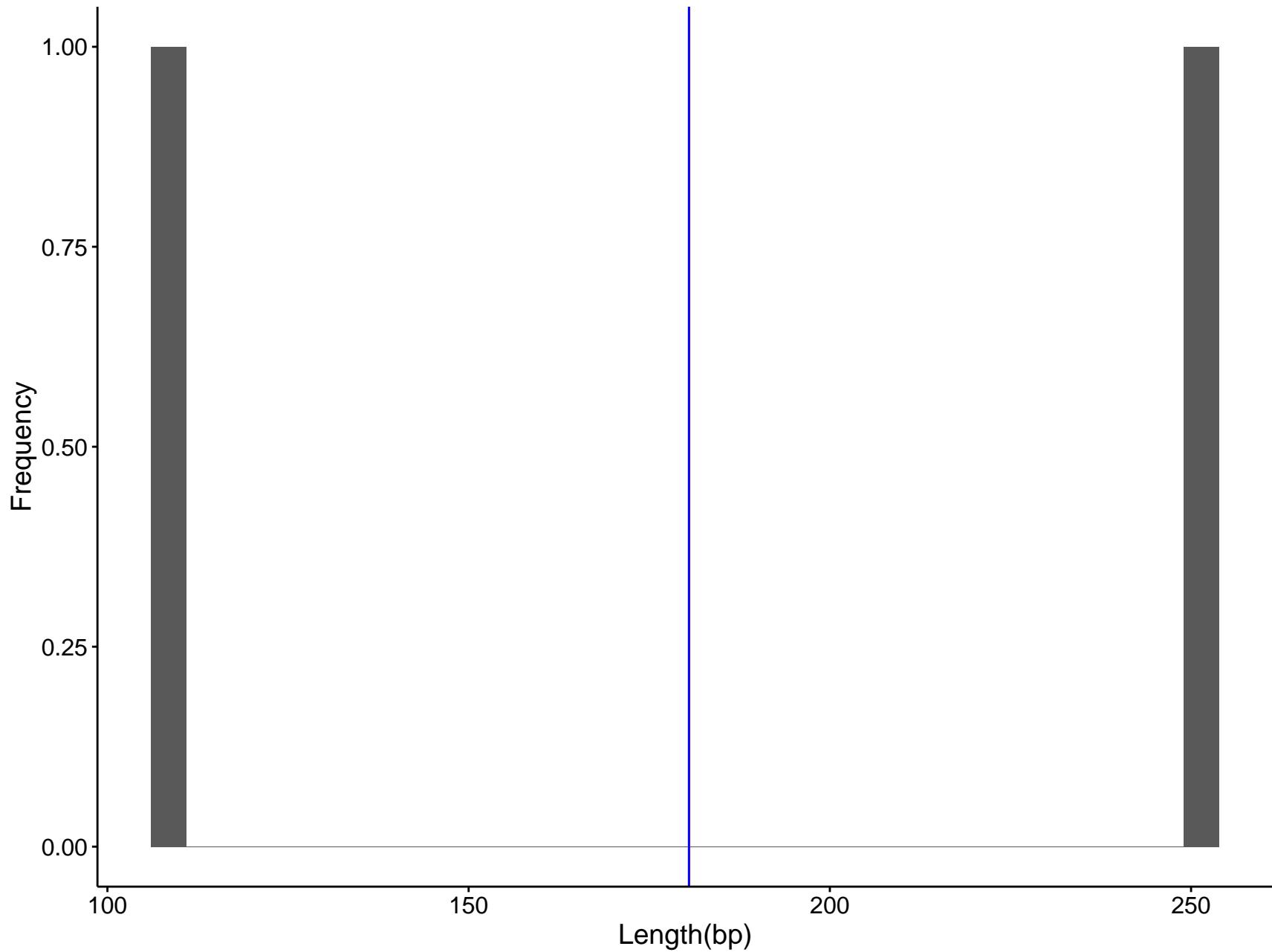
Cluster609



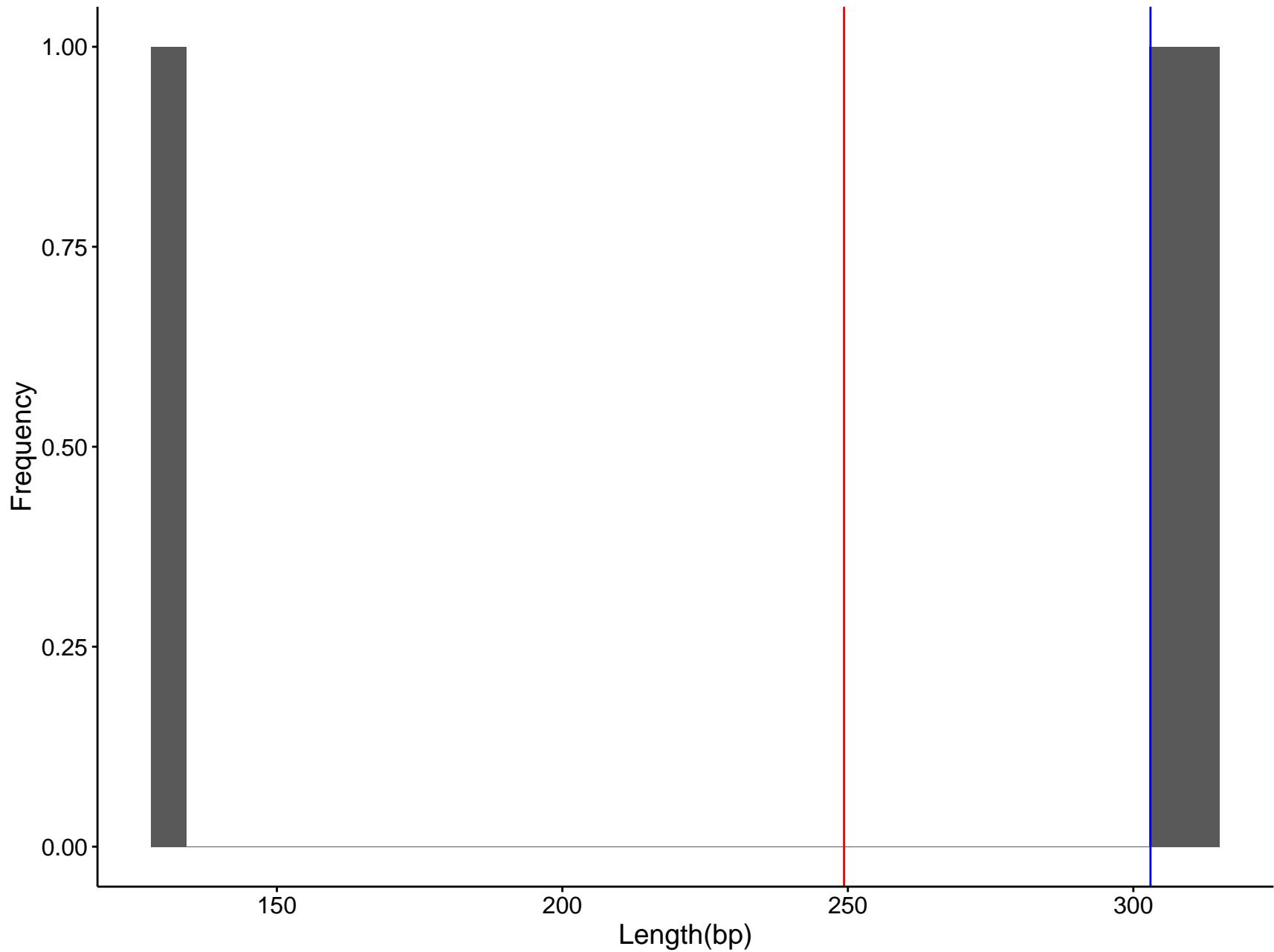
Cluster616



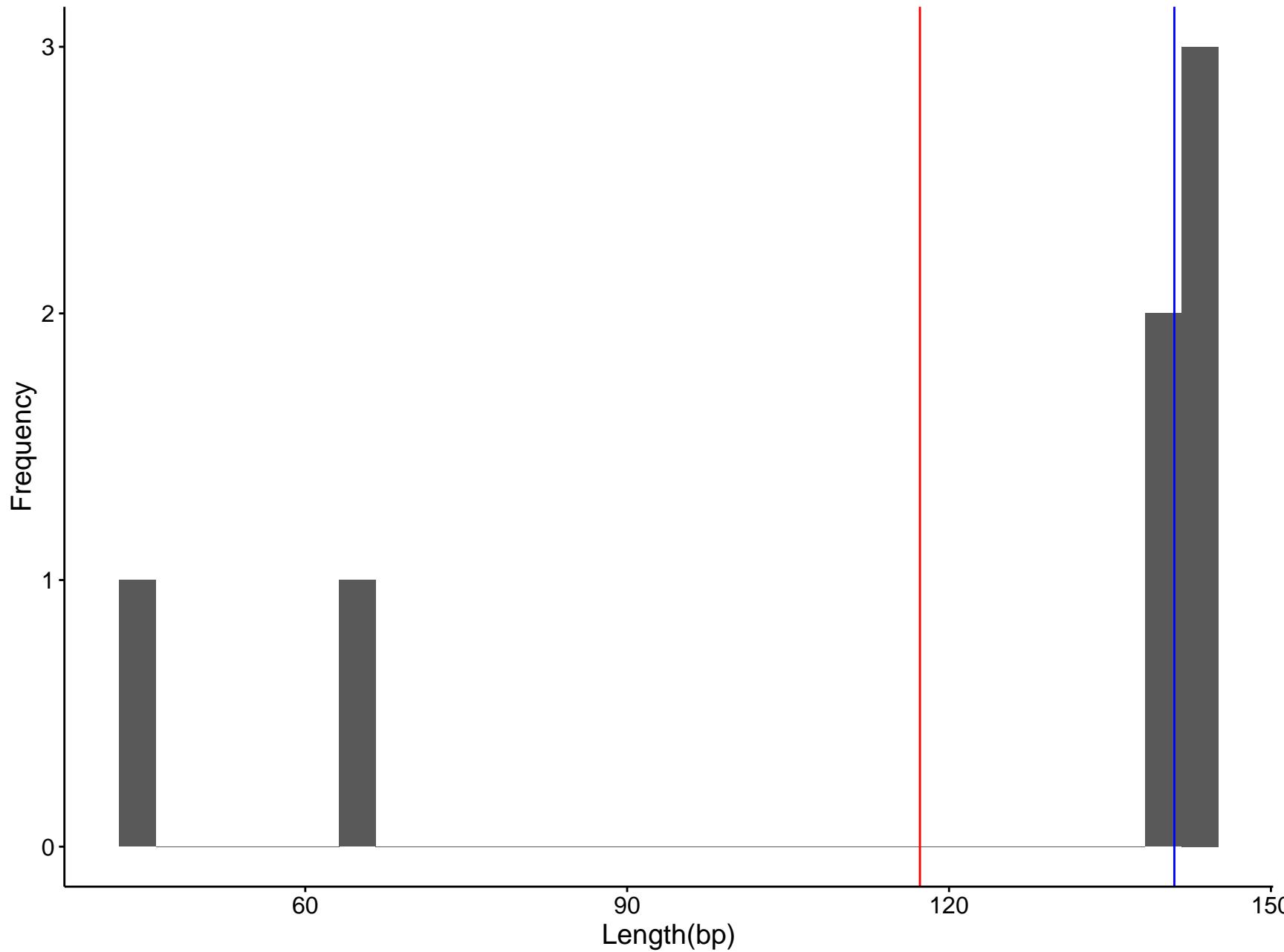
Cluster617



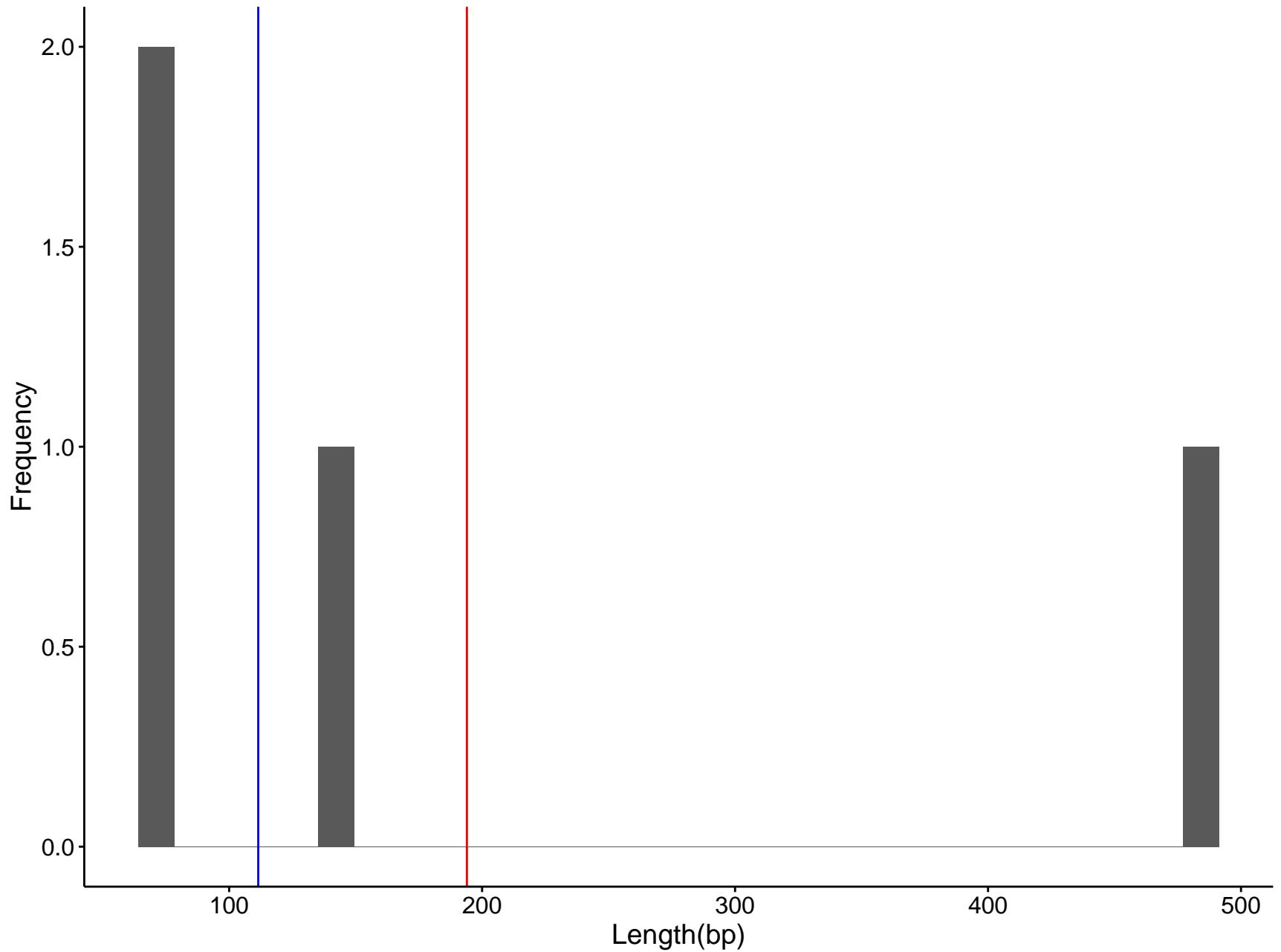
Cluster618



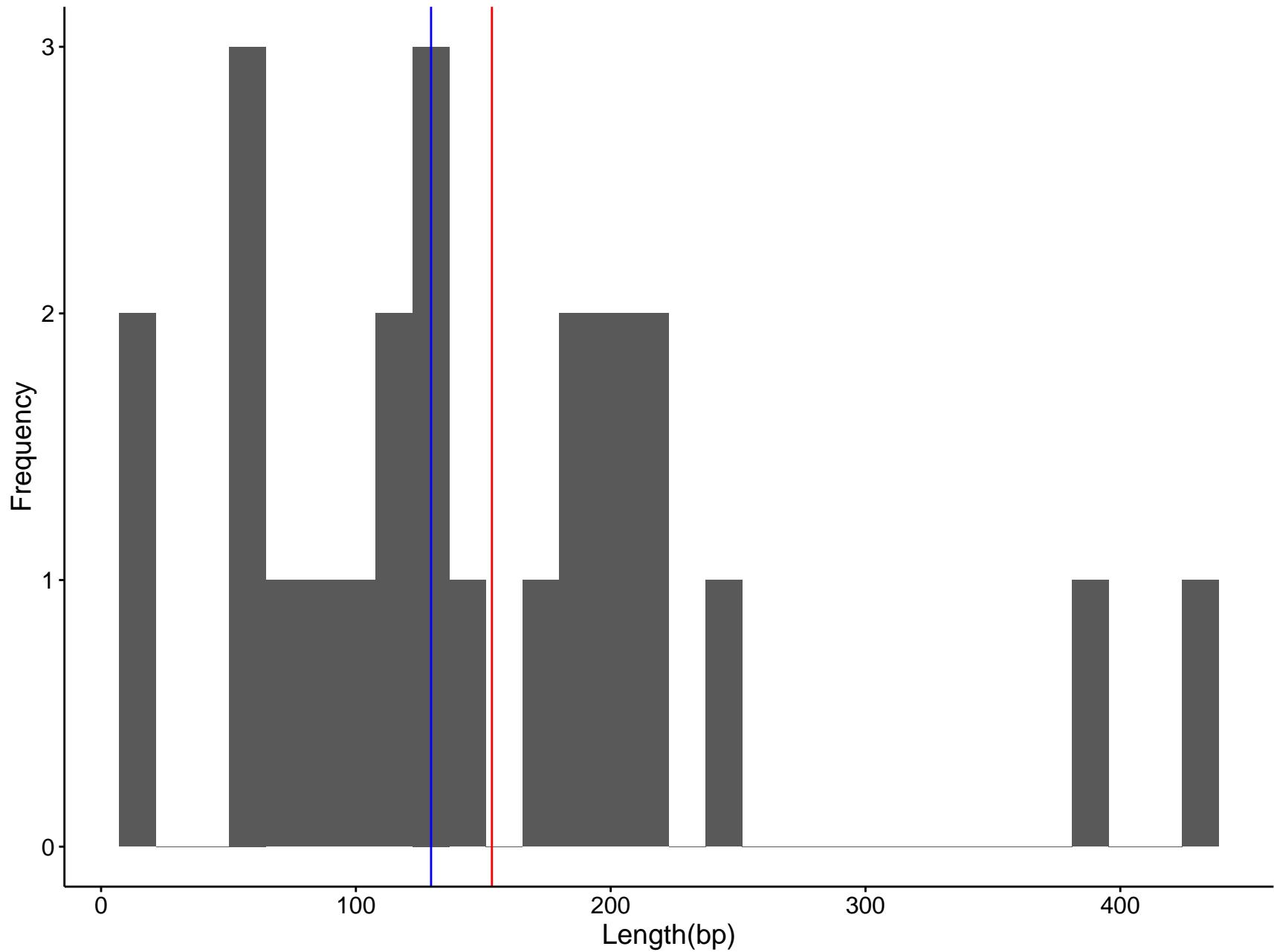
# Cluster61



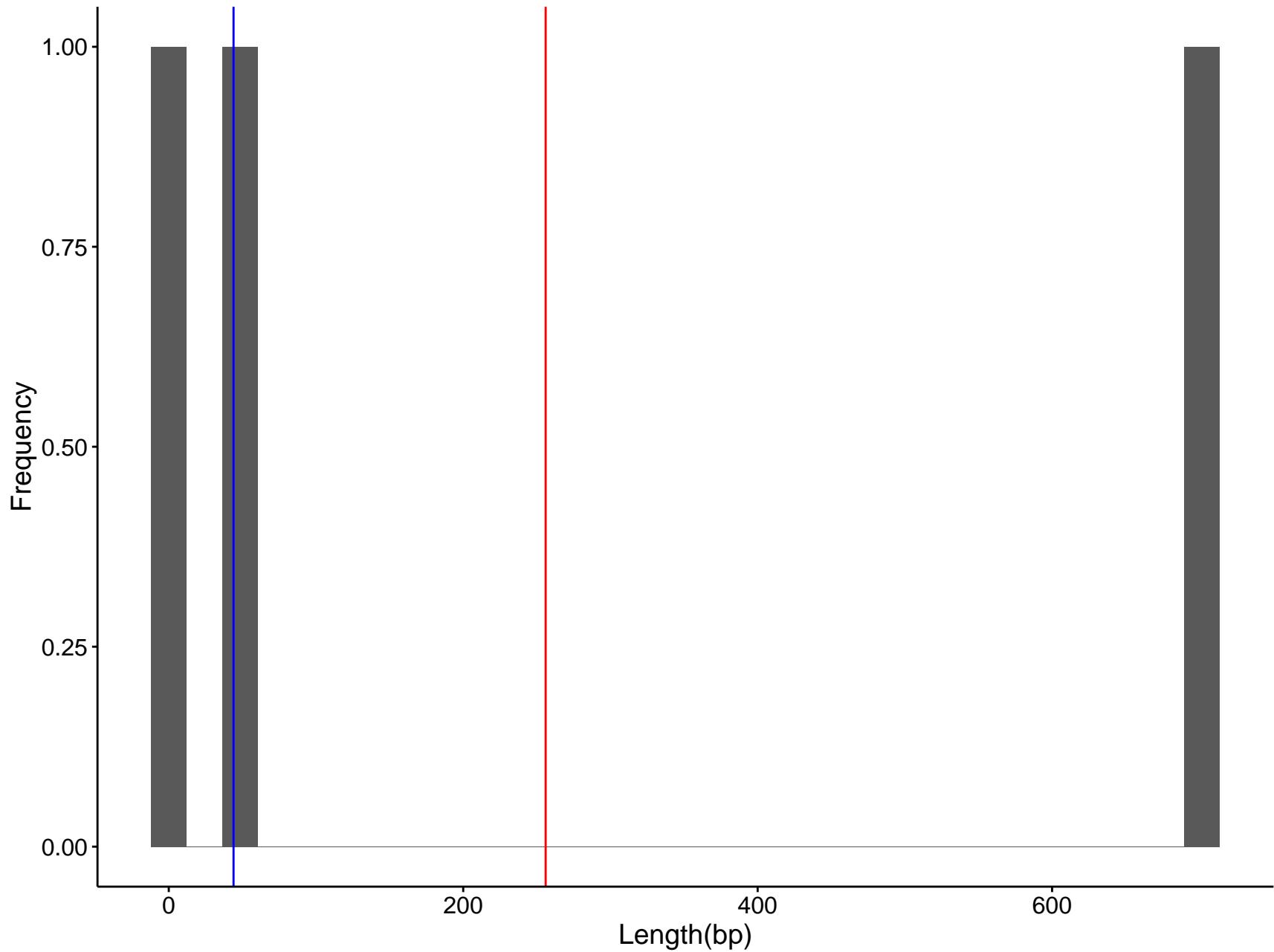
Cluster620



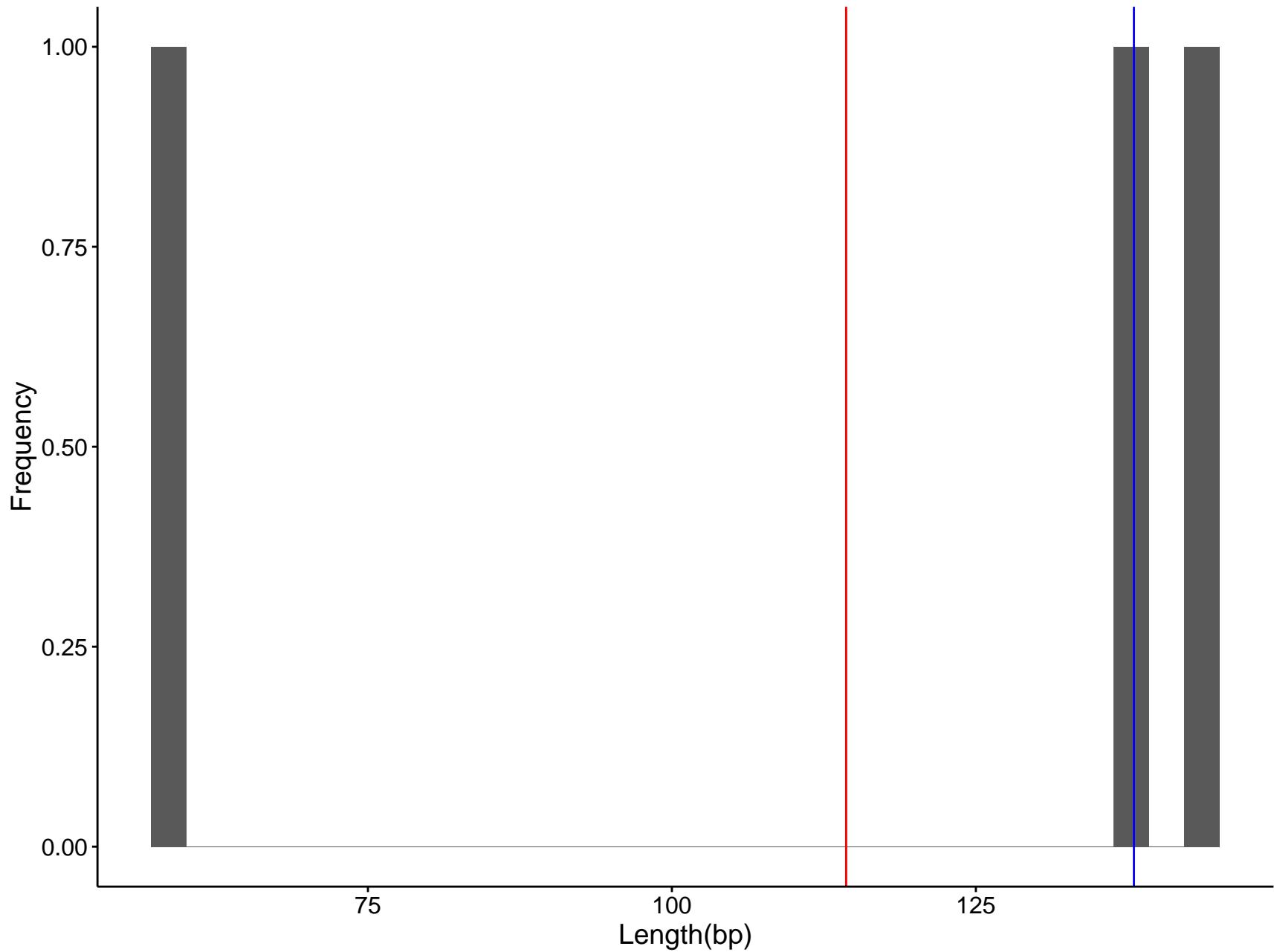
Cluster621



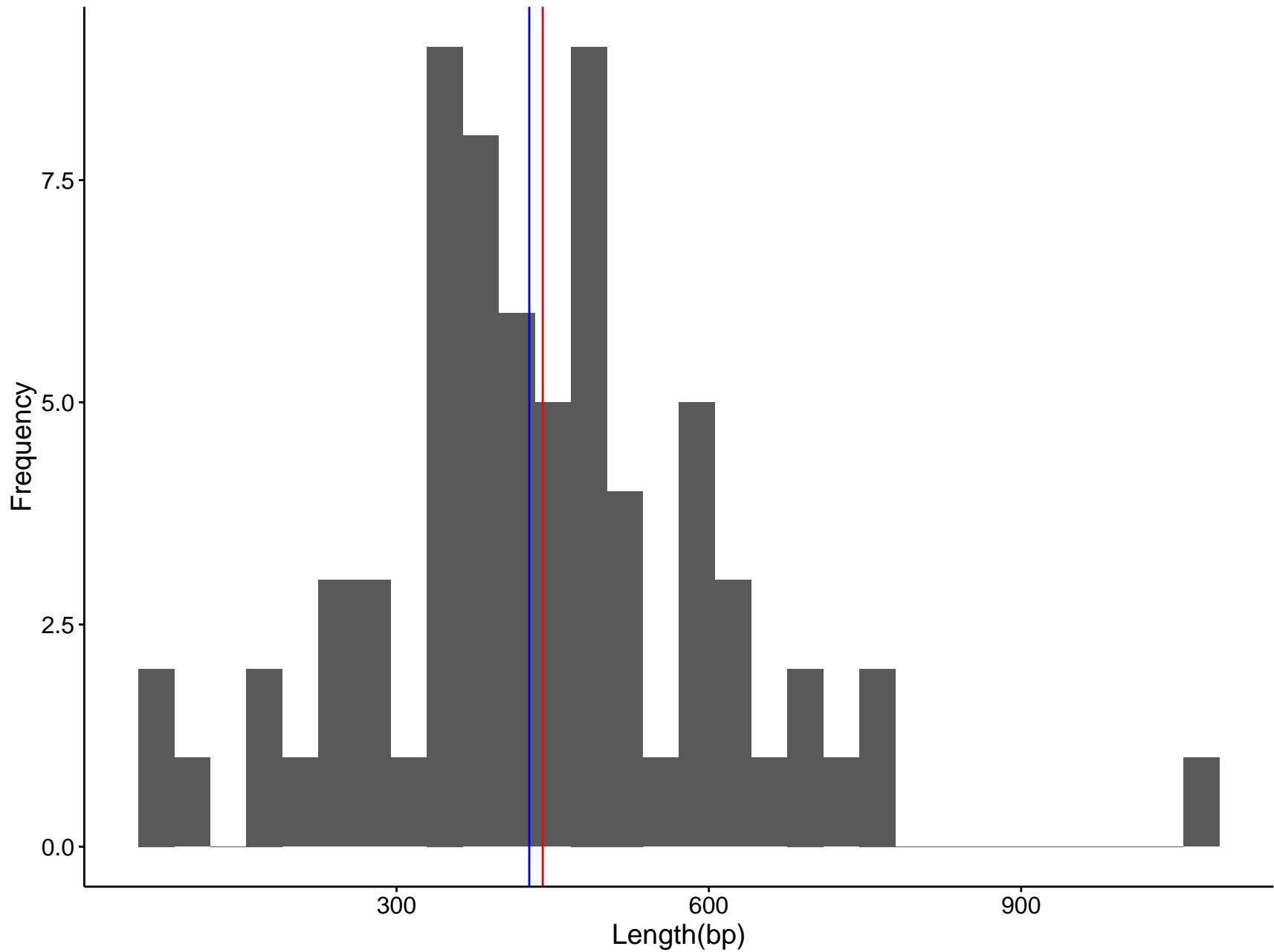
Cluster622



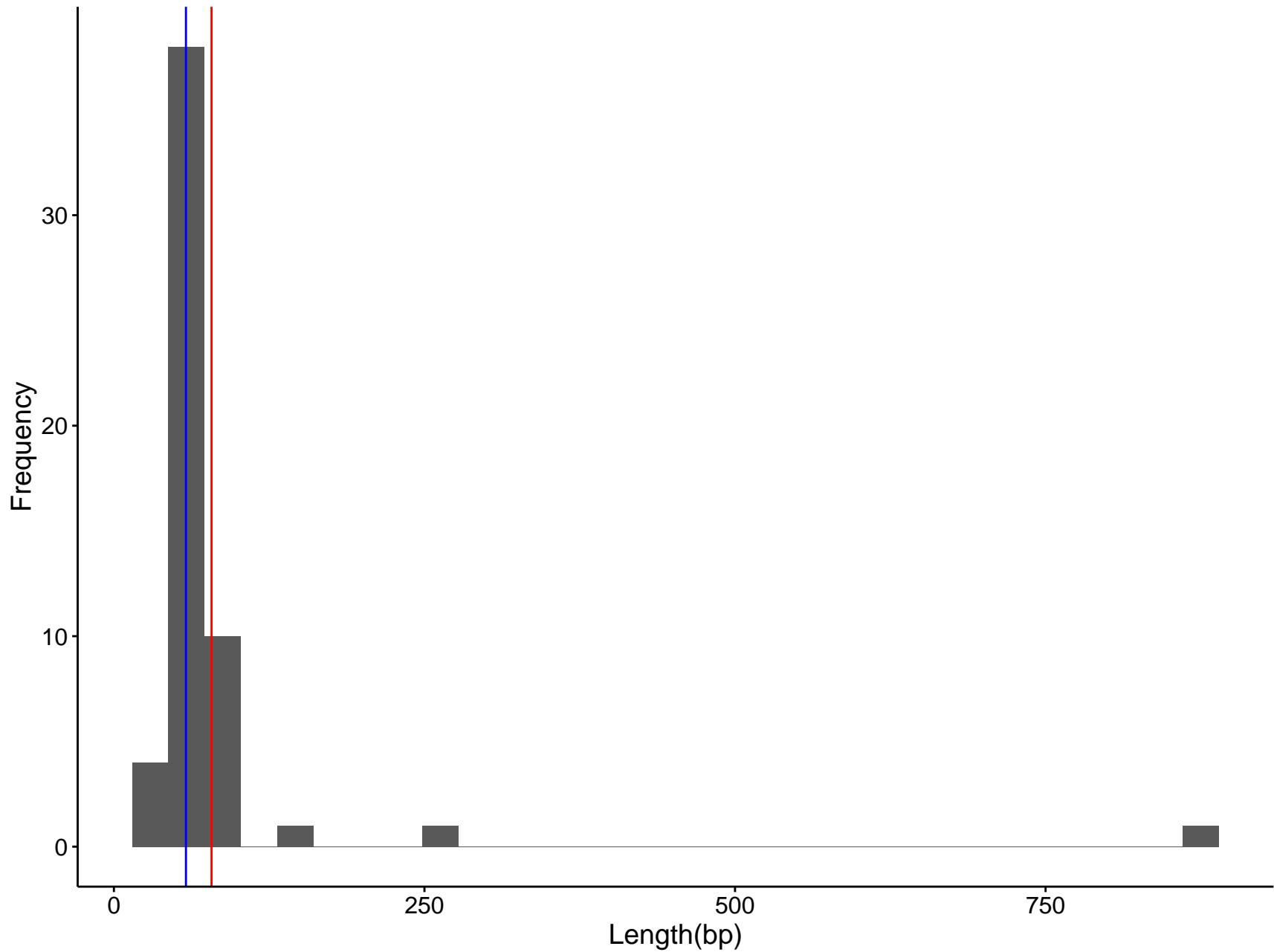
Cluster623



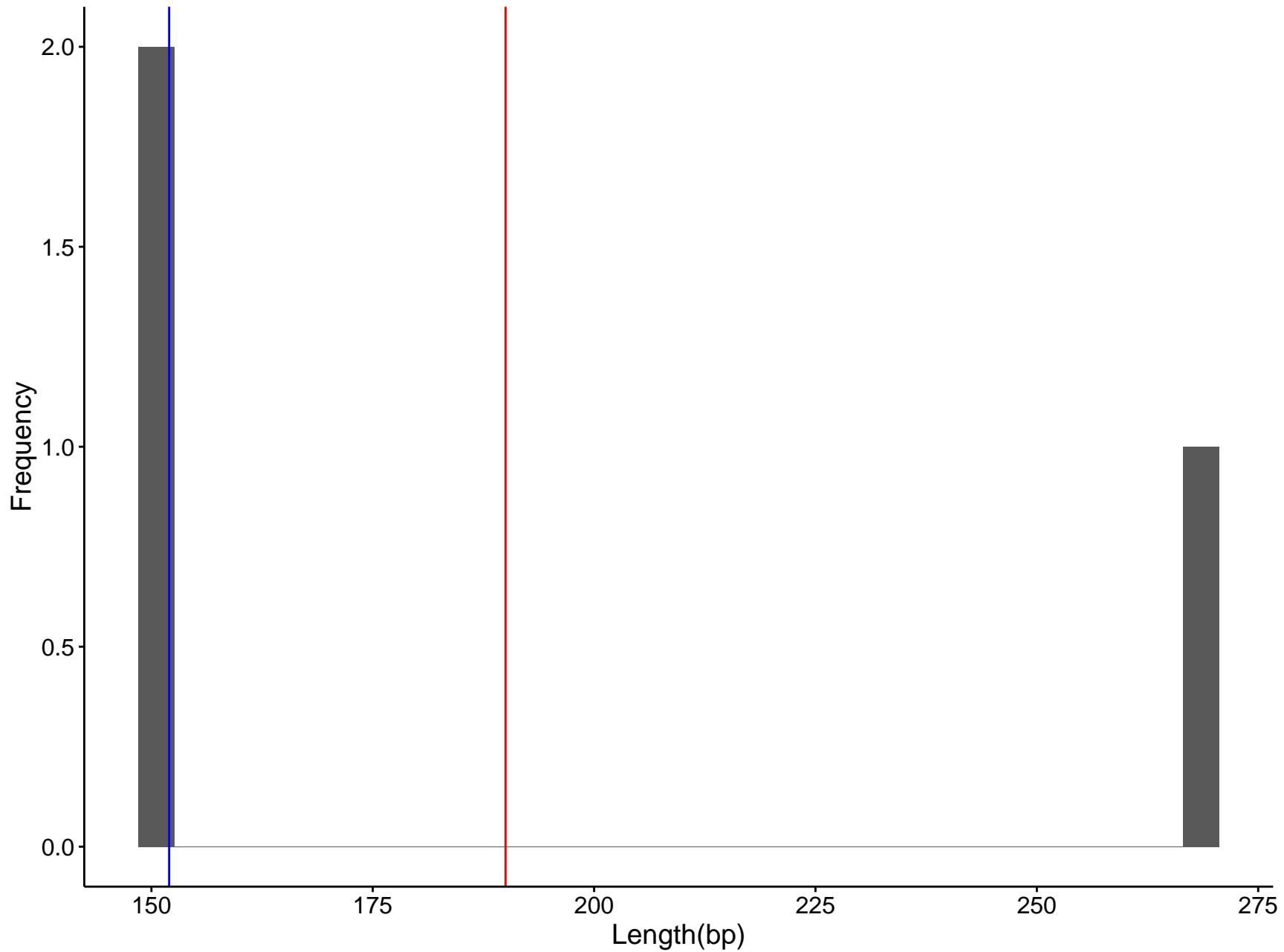
Cluster626



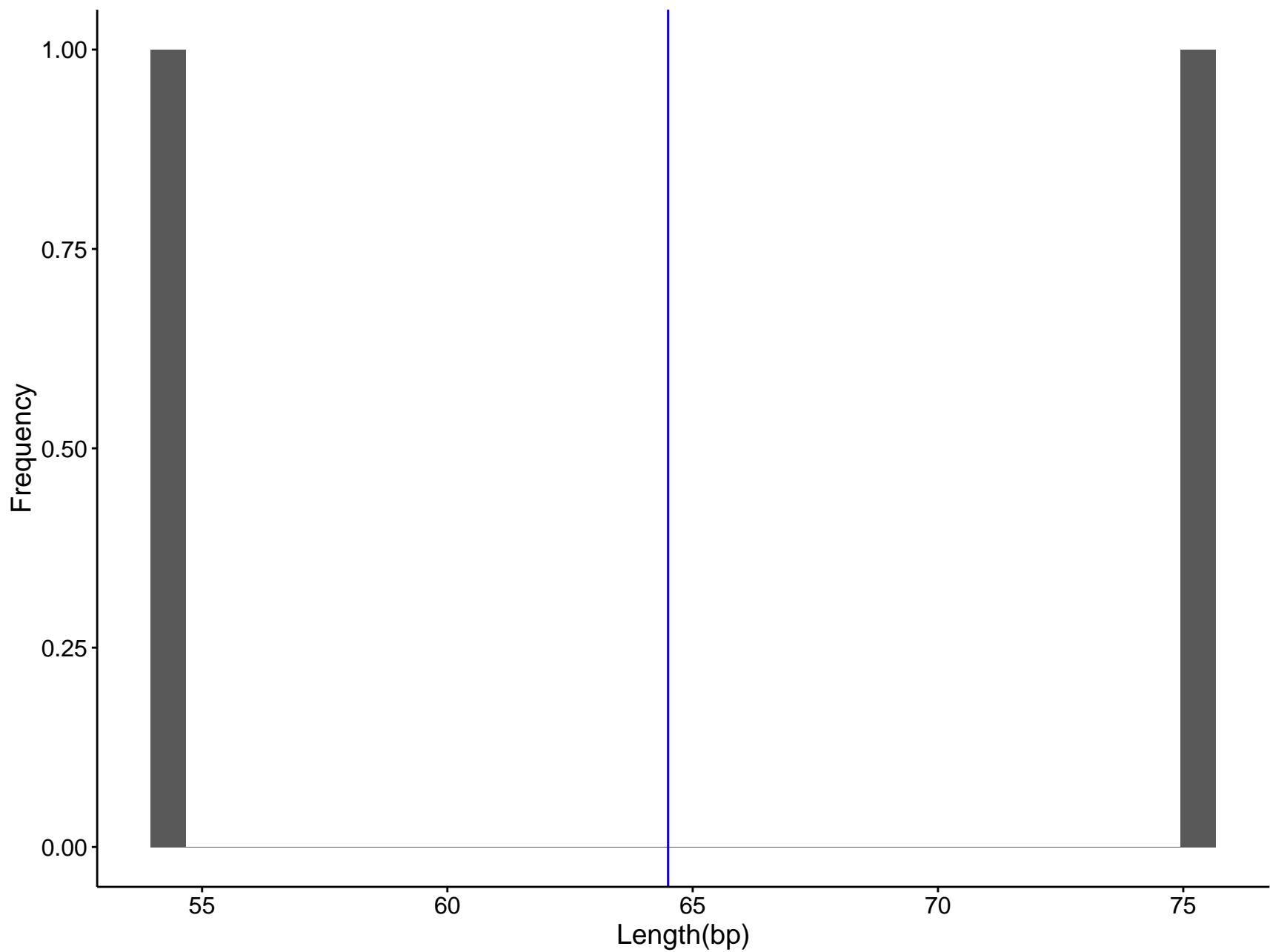
Cluster627



Cluster628



Cluster629



# Cluster62

Frequency

72.950

72.975

73.000

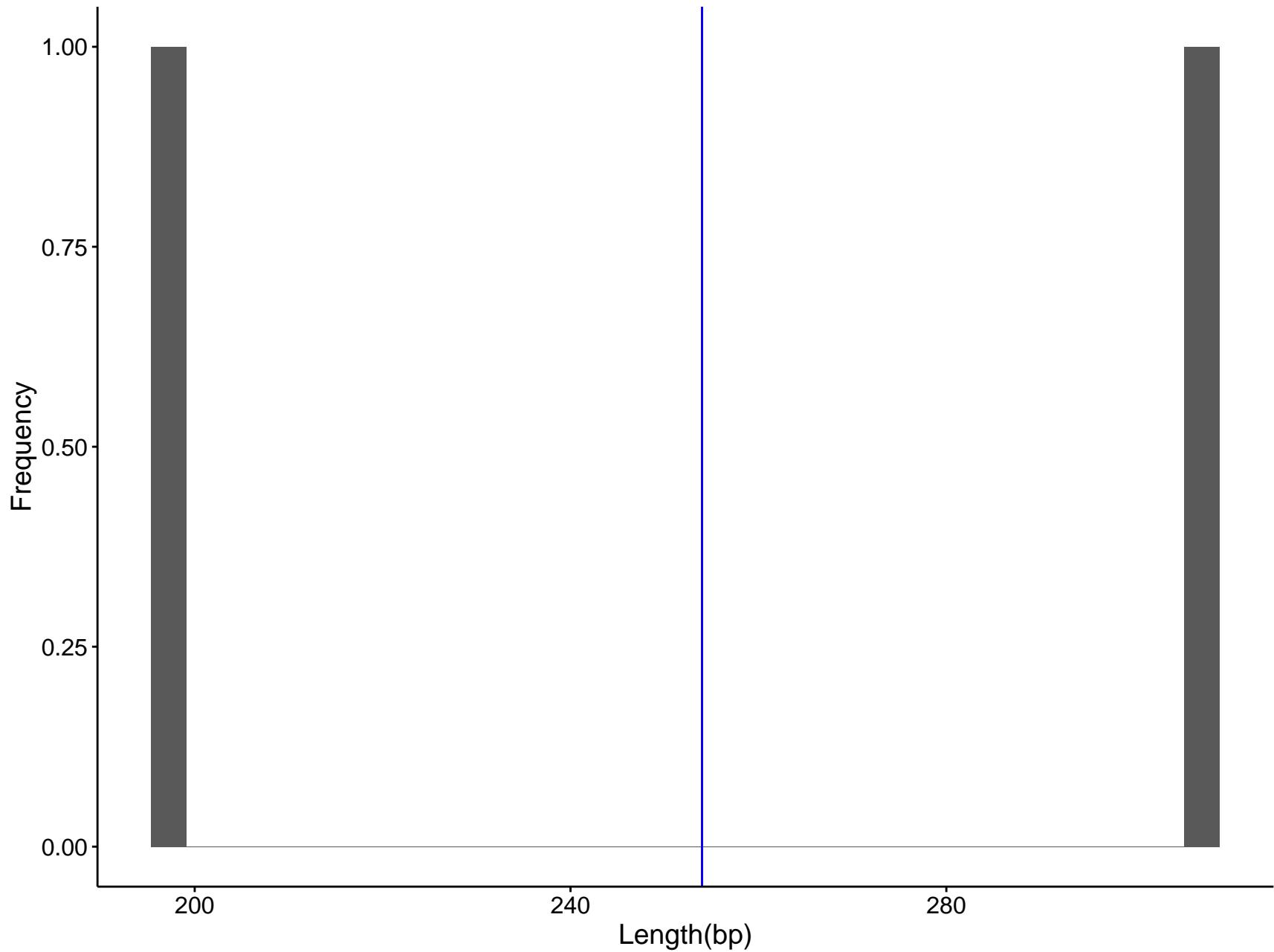
73.025

73.0

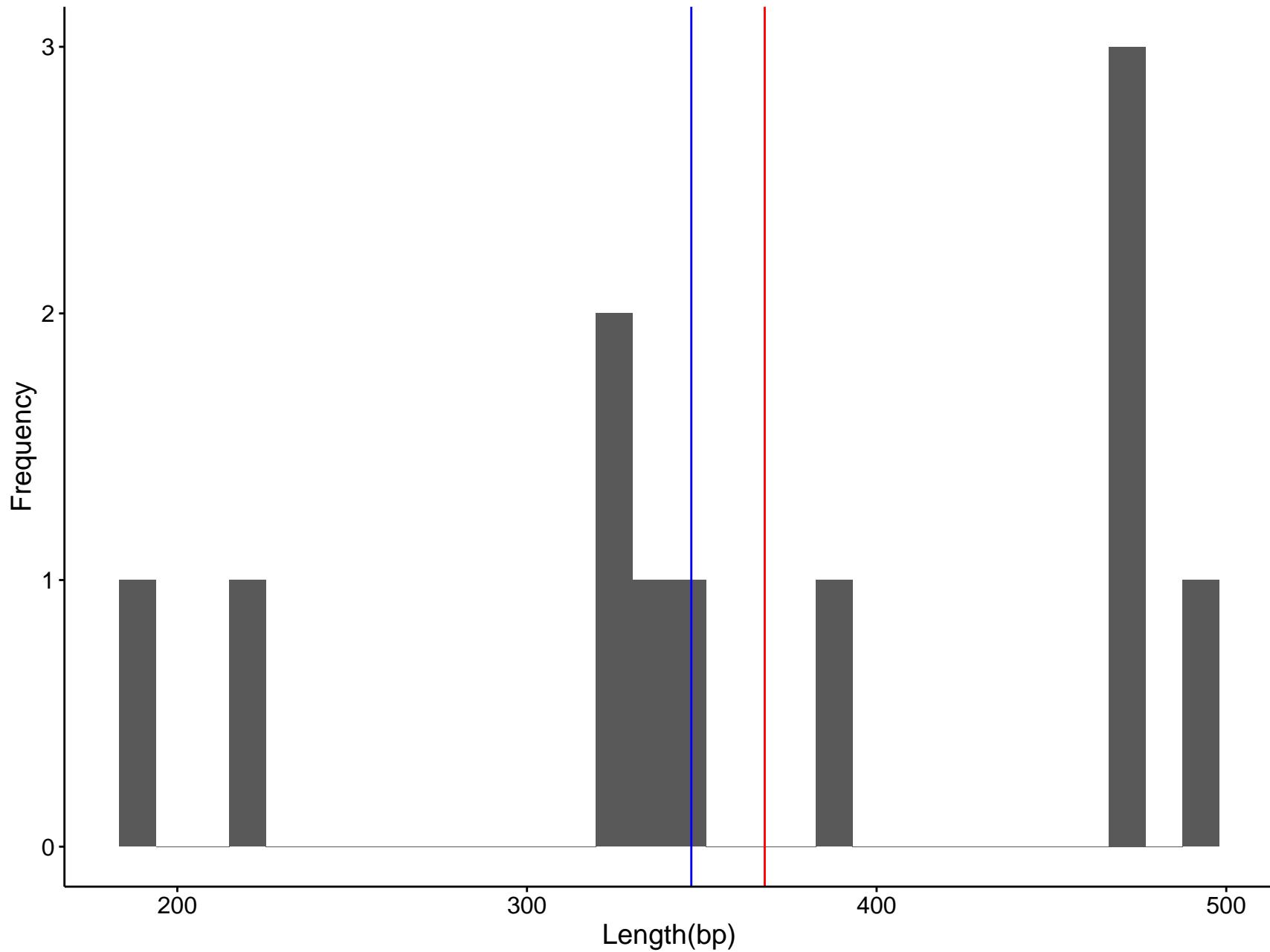
Length(bp)



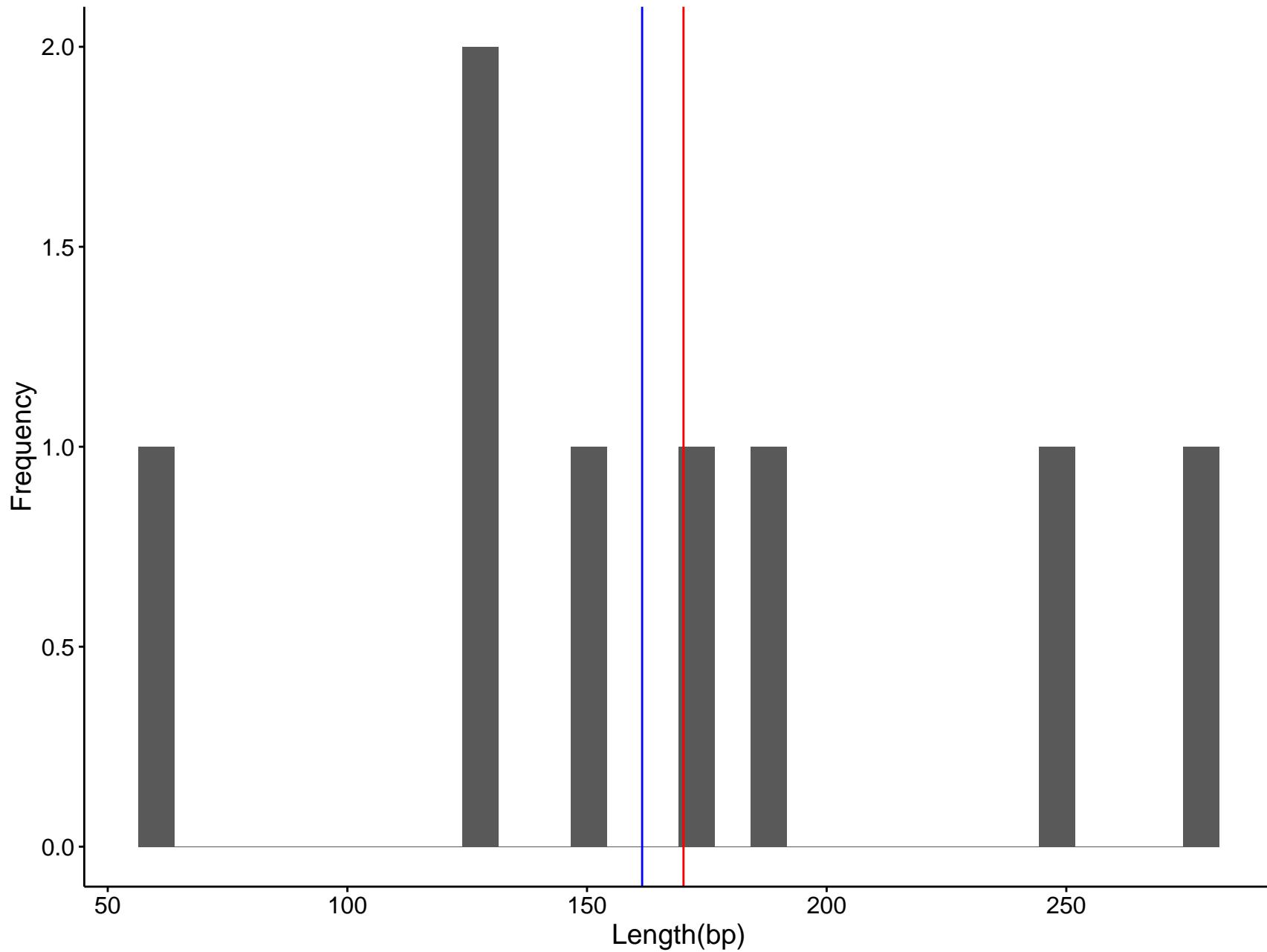
Cluster630



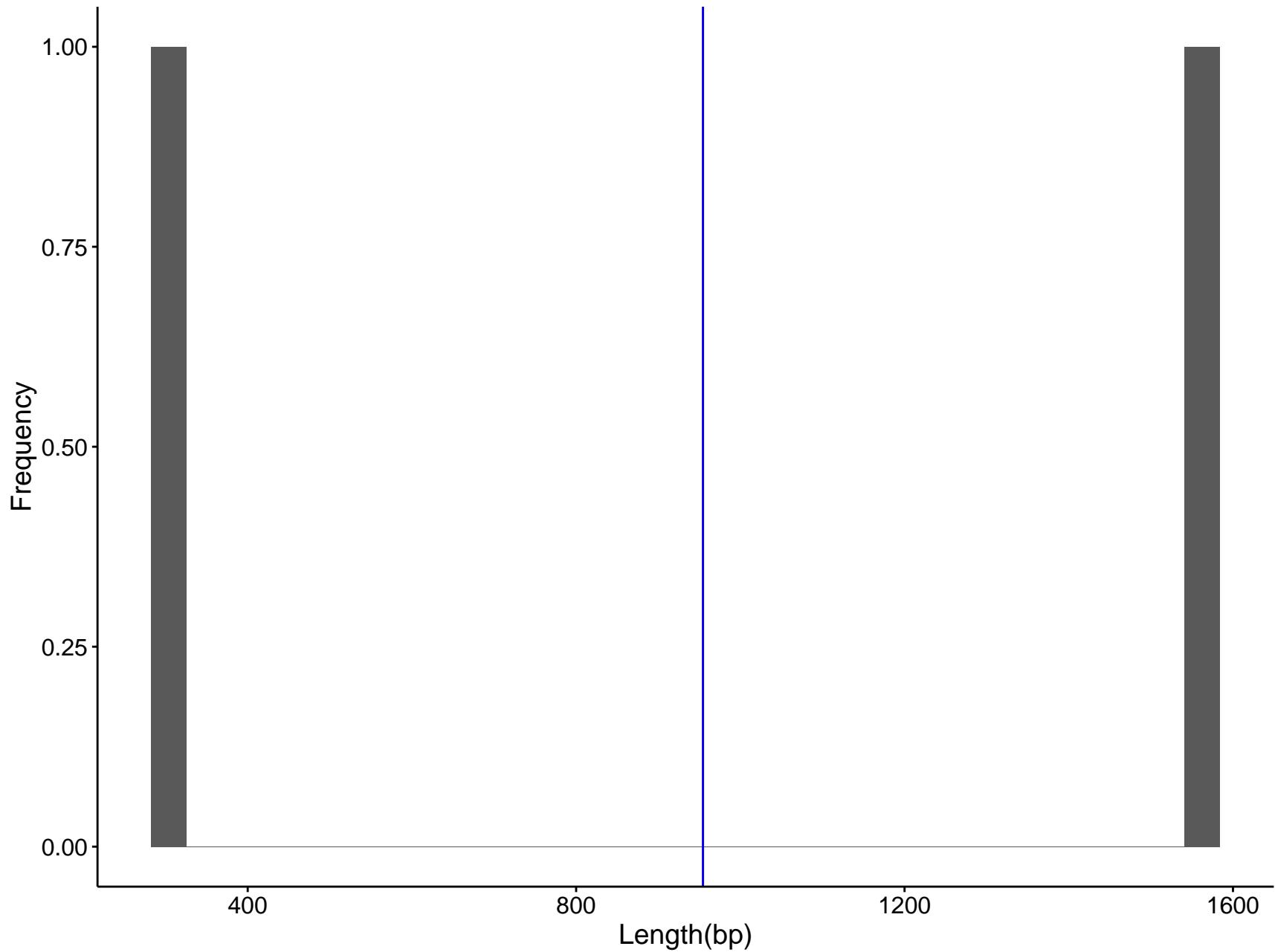
Cluster631



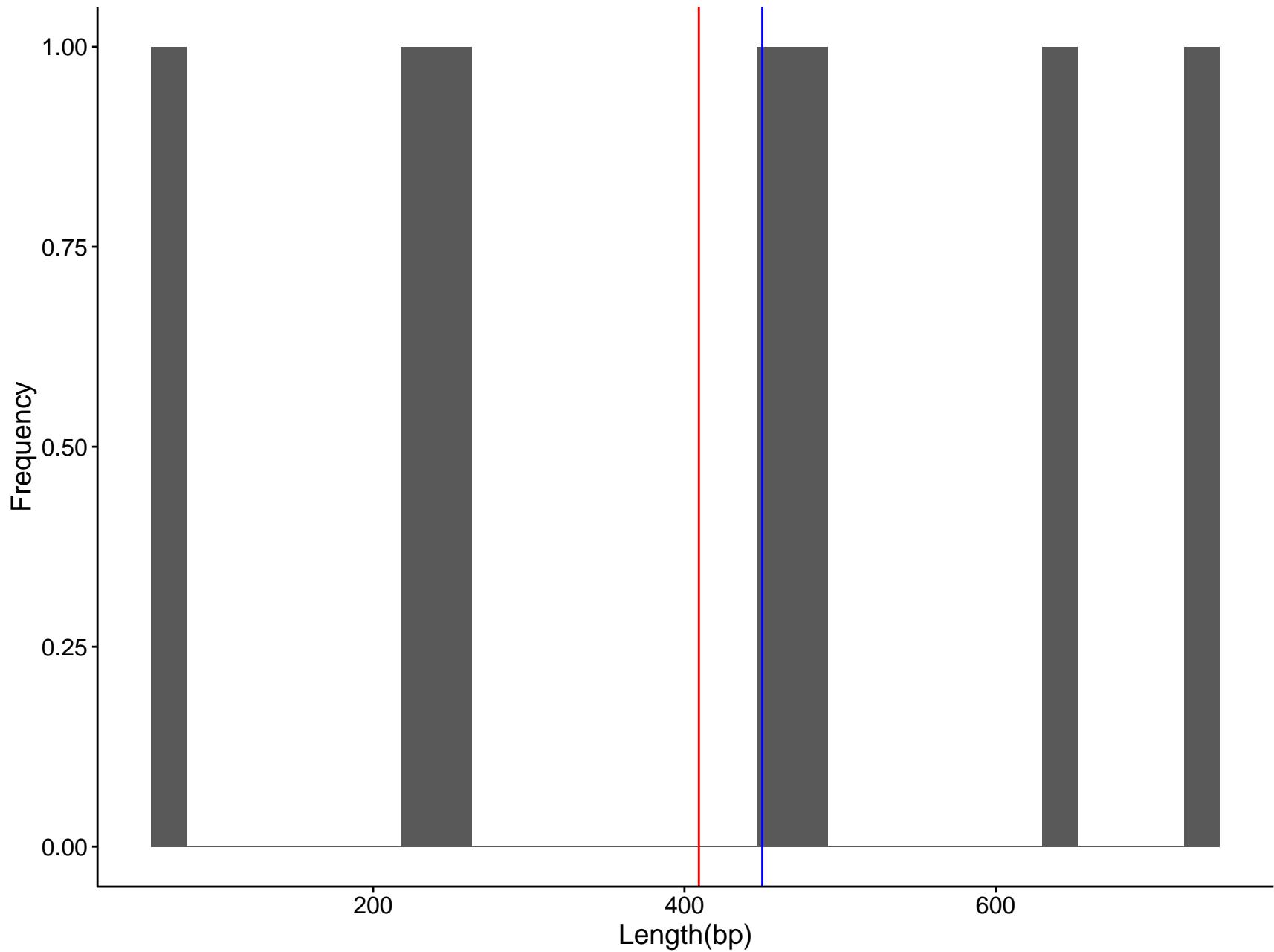
Cluster632



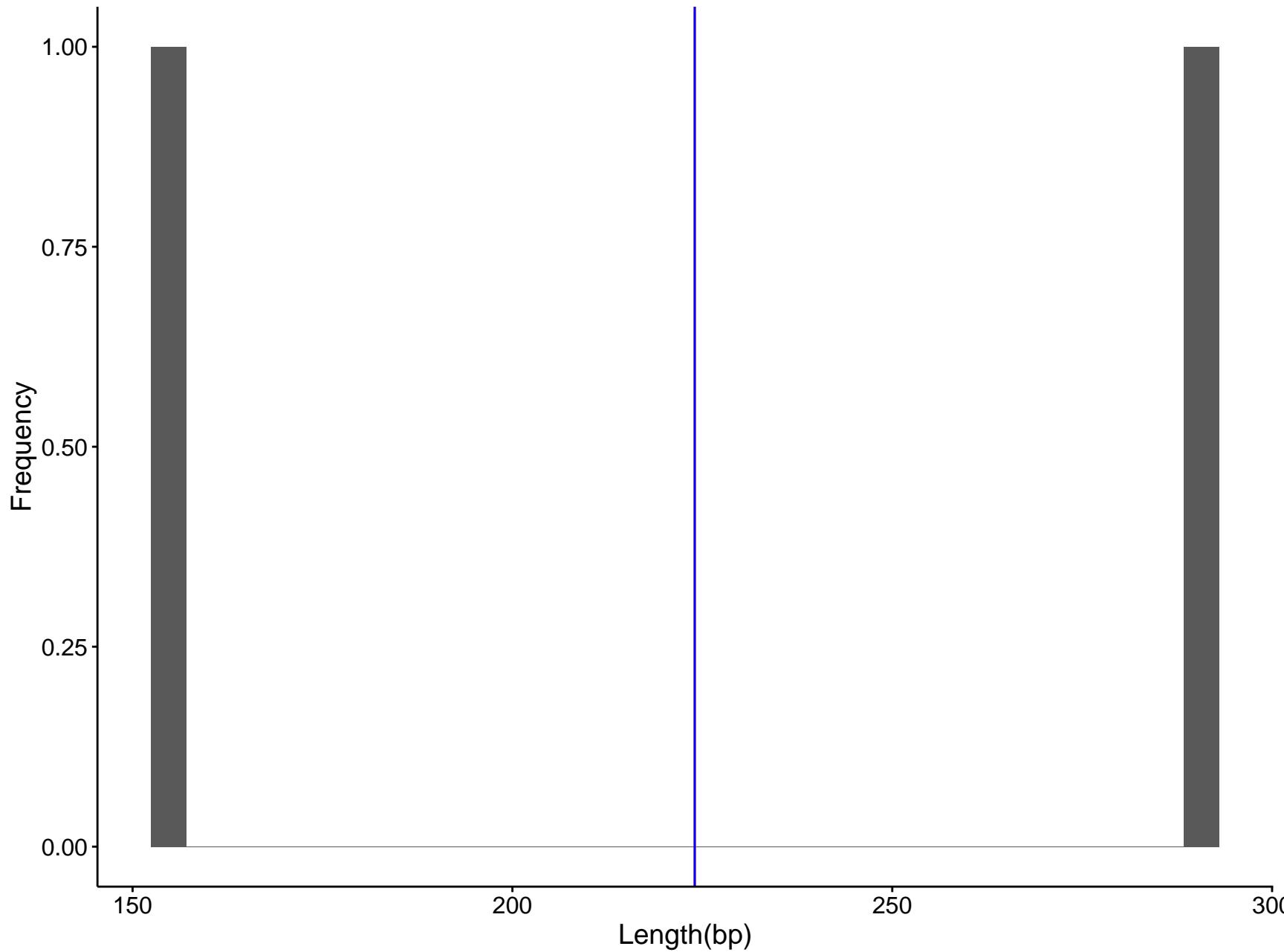
Cluster633



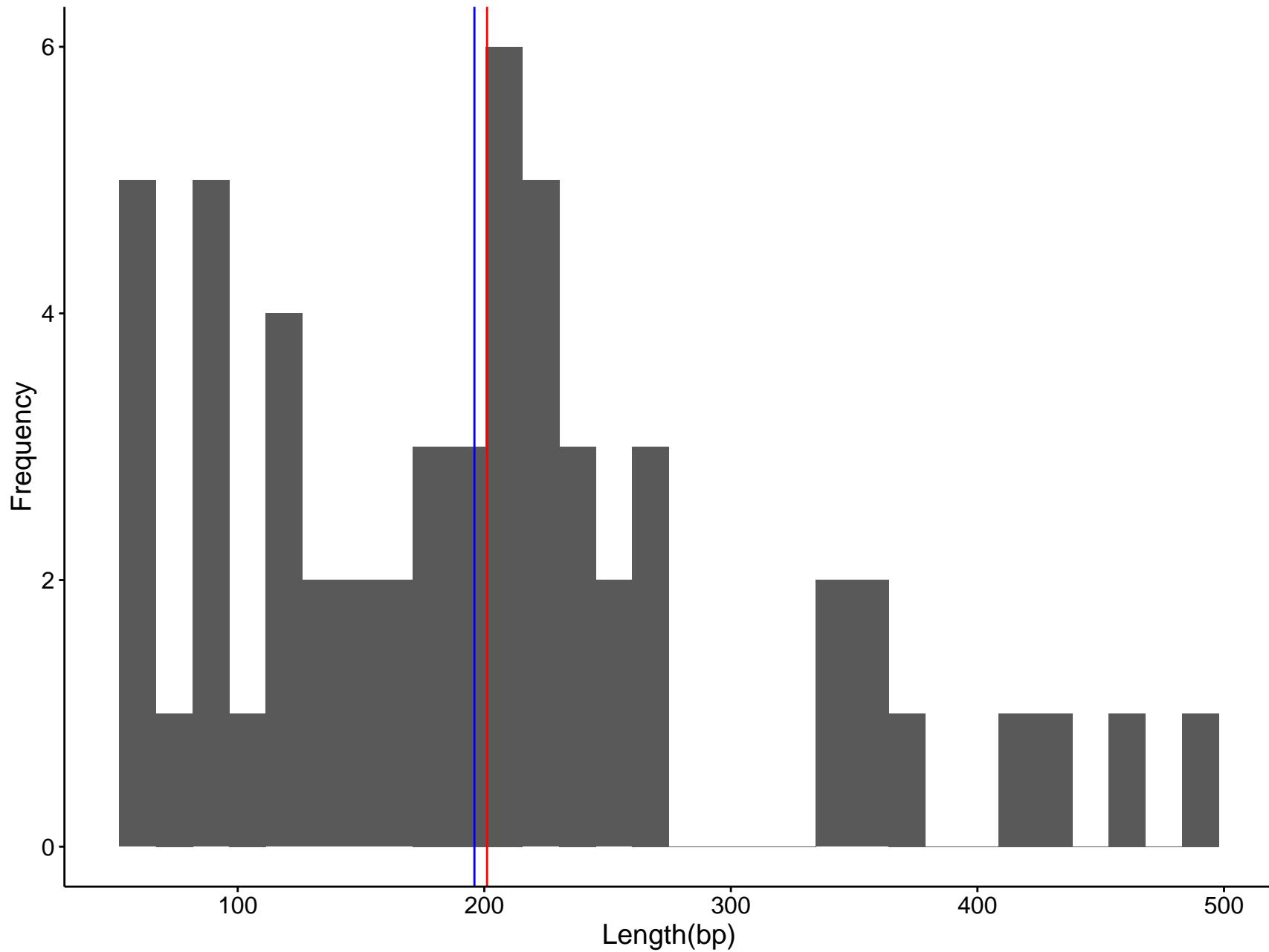
Cluster635



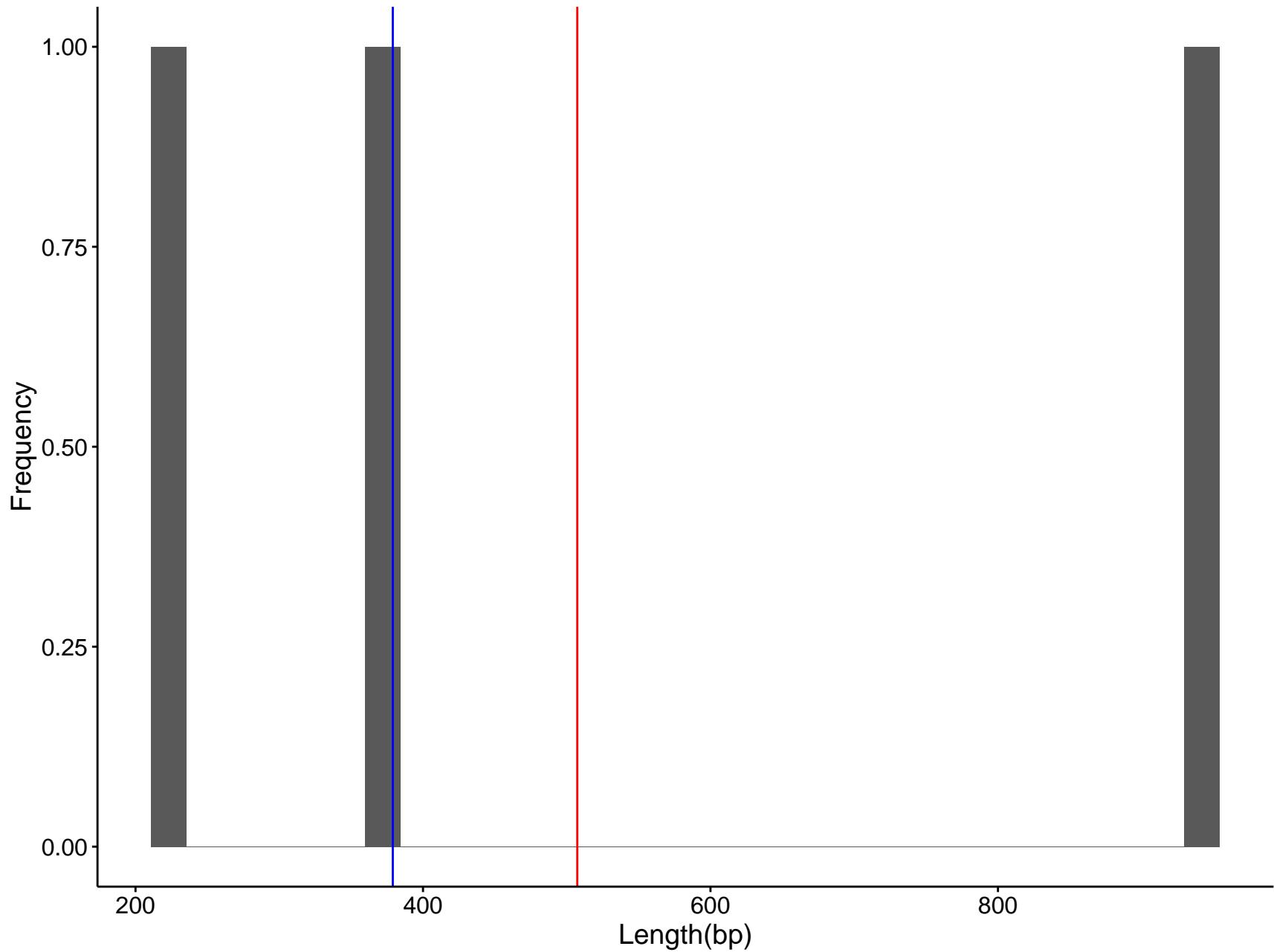
Cluster636



Cluster637



Cluster638



# Cluster639

Frequency

631.950

631.975

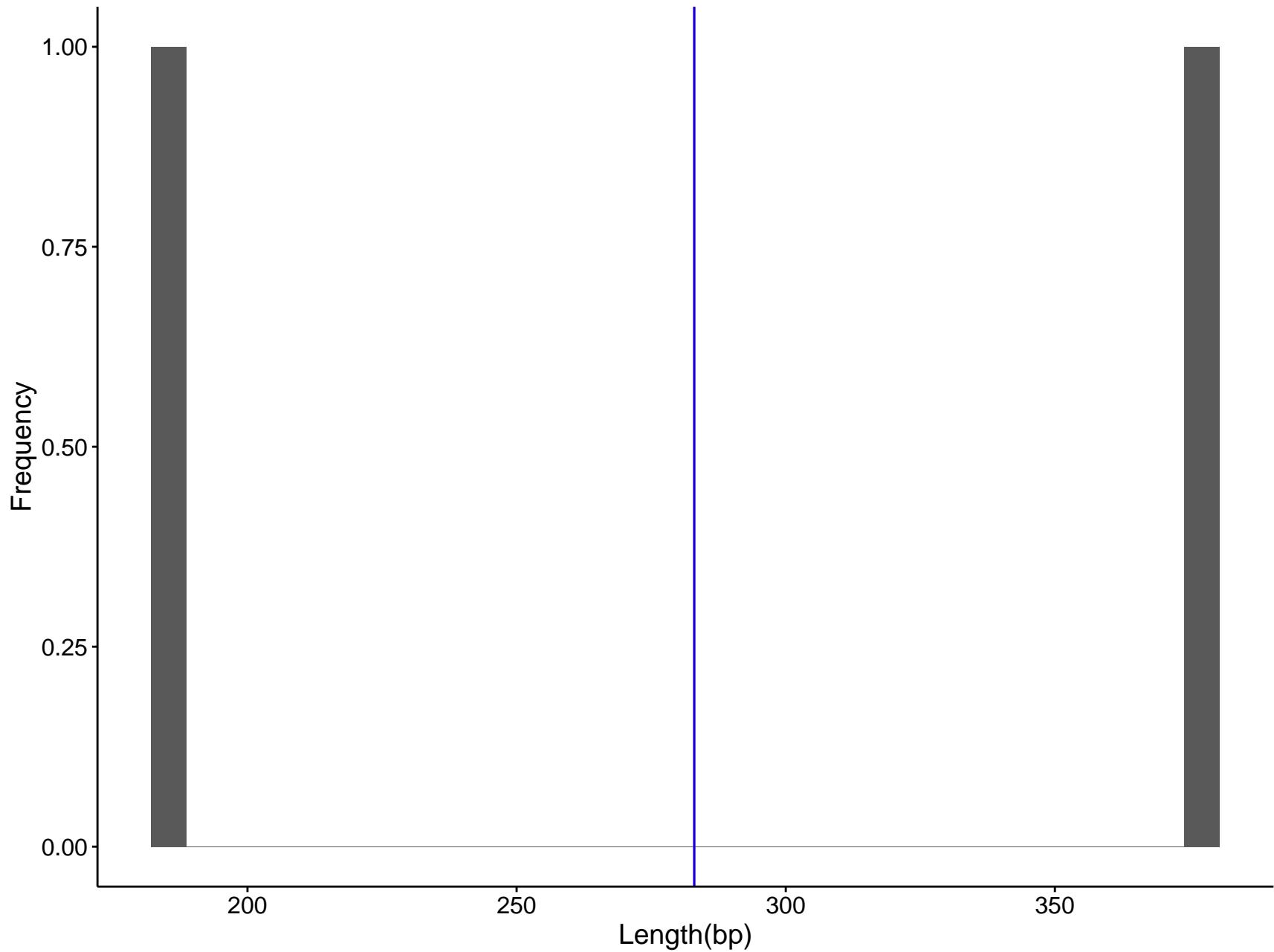
632.000

632.025

Length(bp)



Cluster642



# Cluster643

Frequency

204.950

204.975

205.000

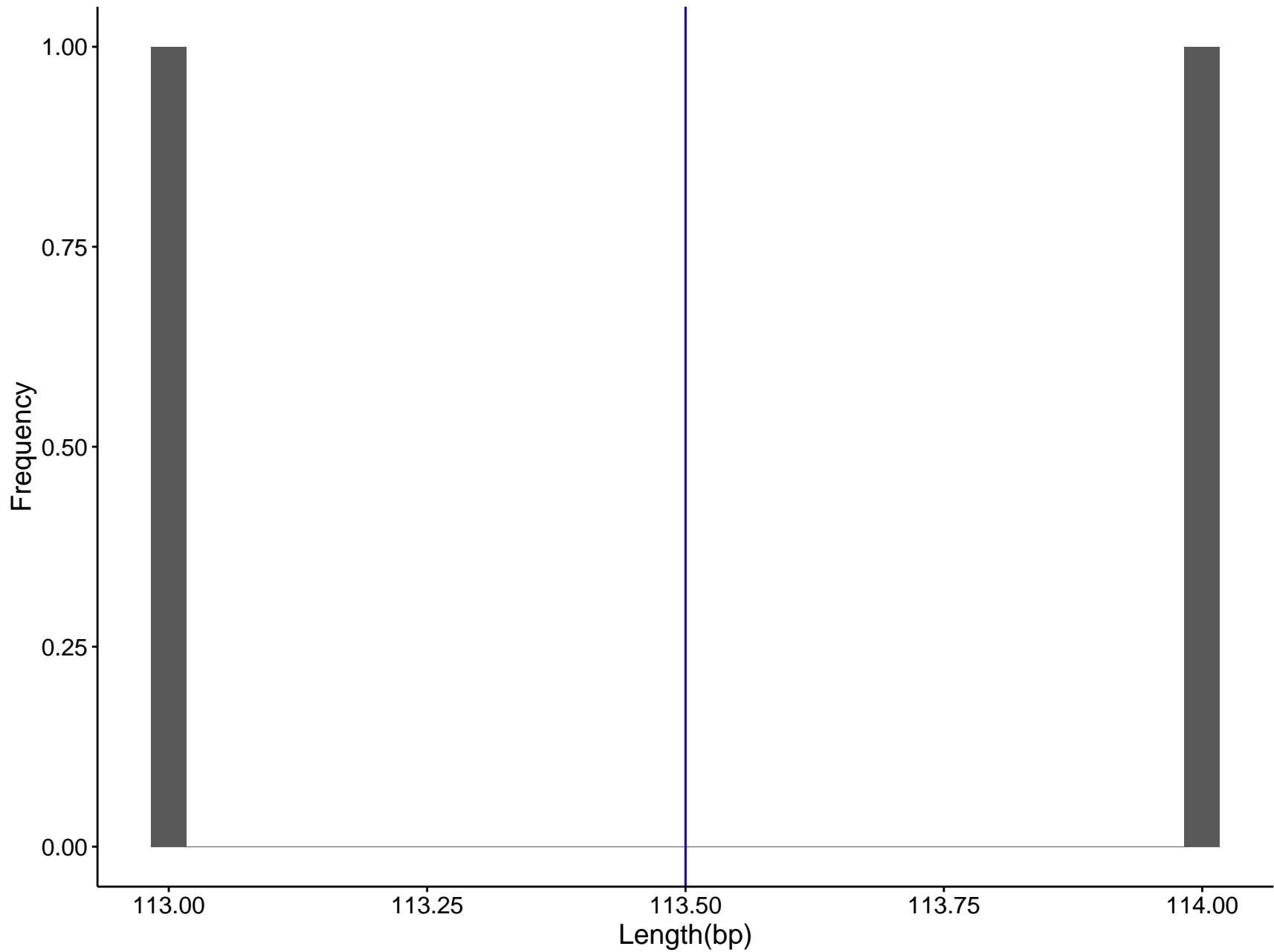
205.025

205.050

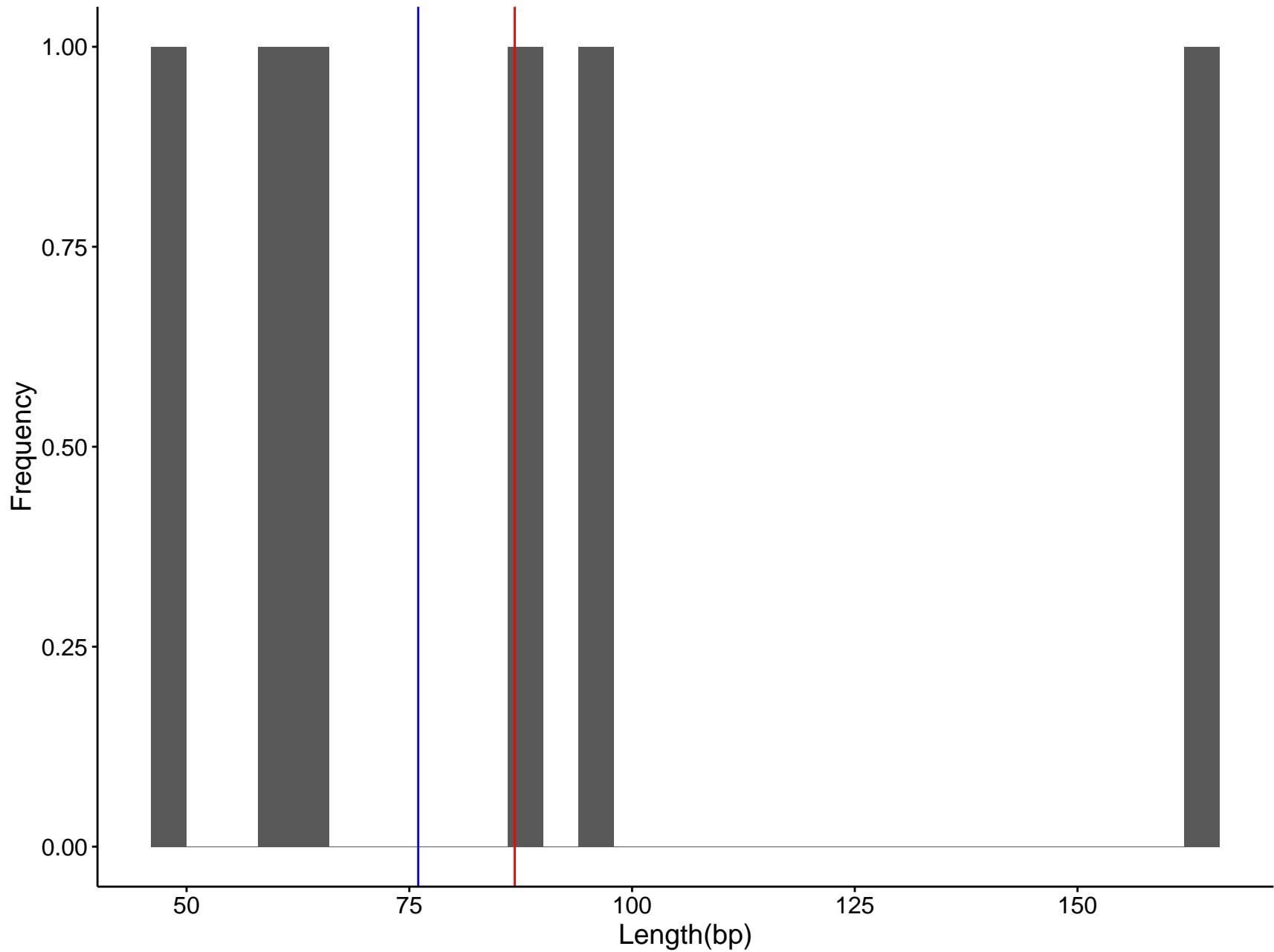
Length(bp)



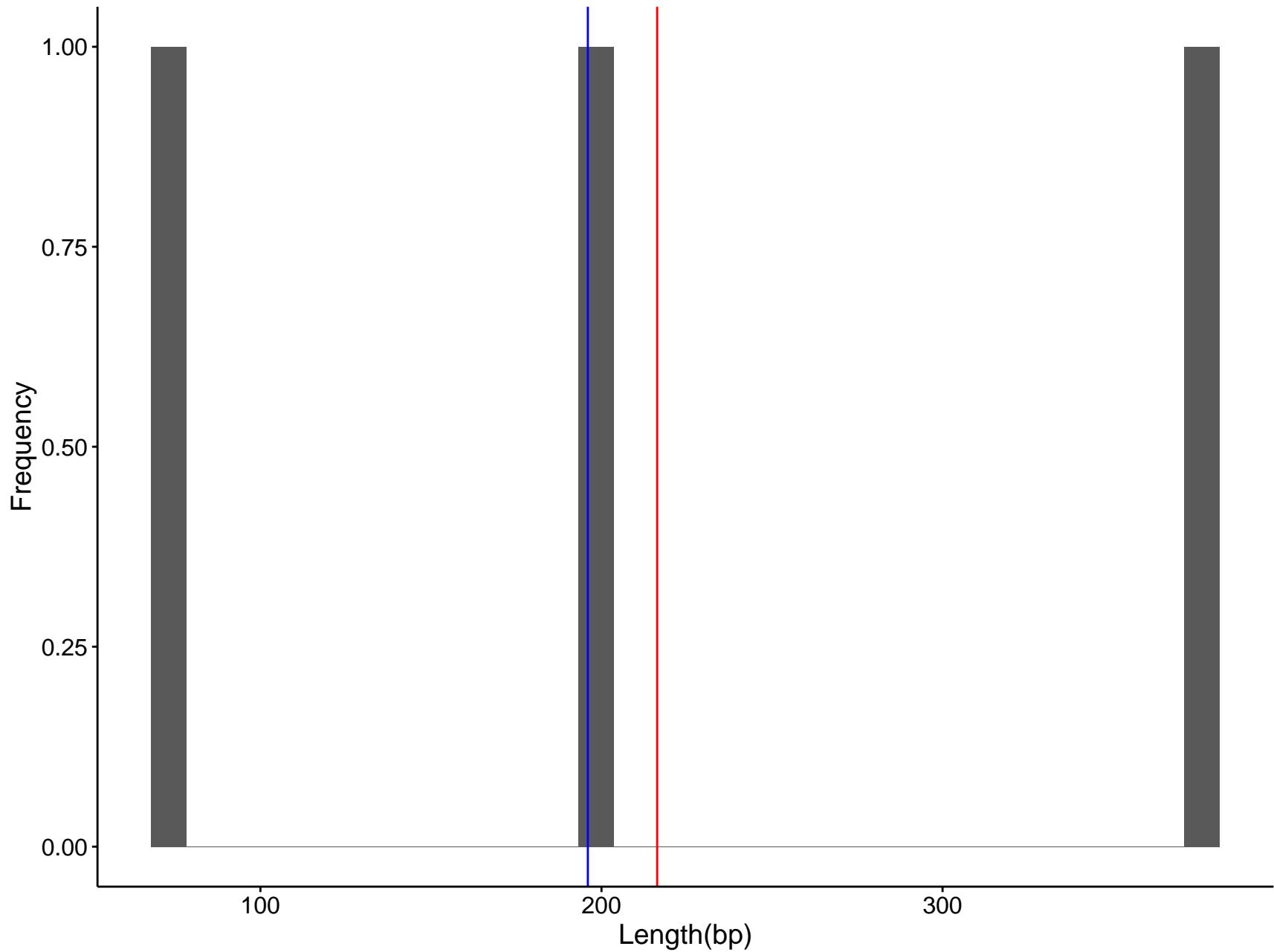
Cluster644



Cluster645



Cluster646



# Cluster647

Frequency

48.950

48.975

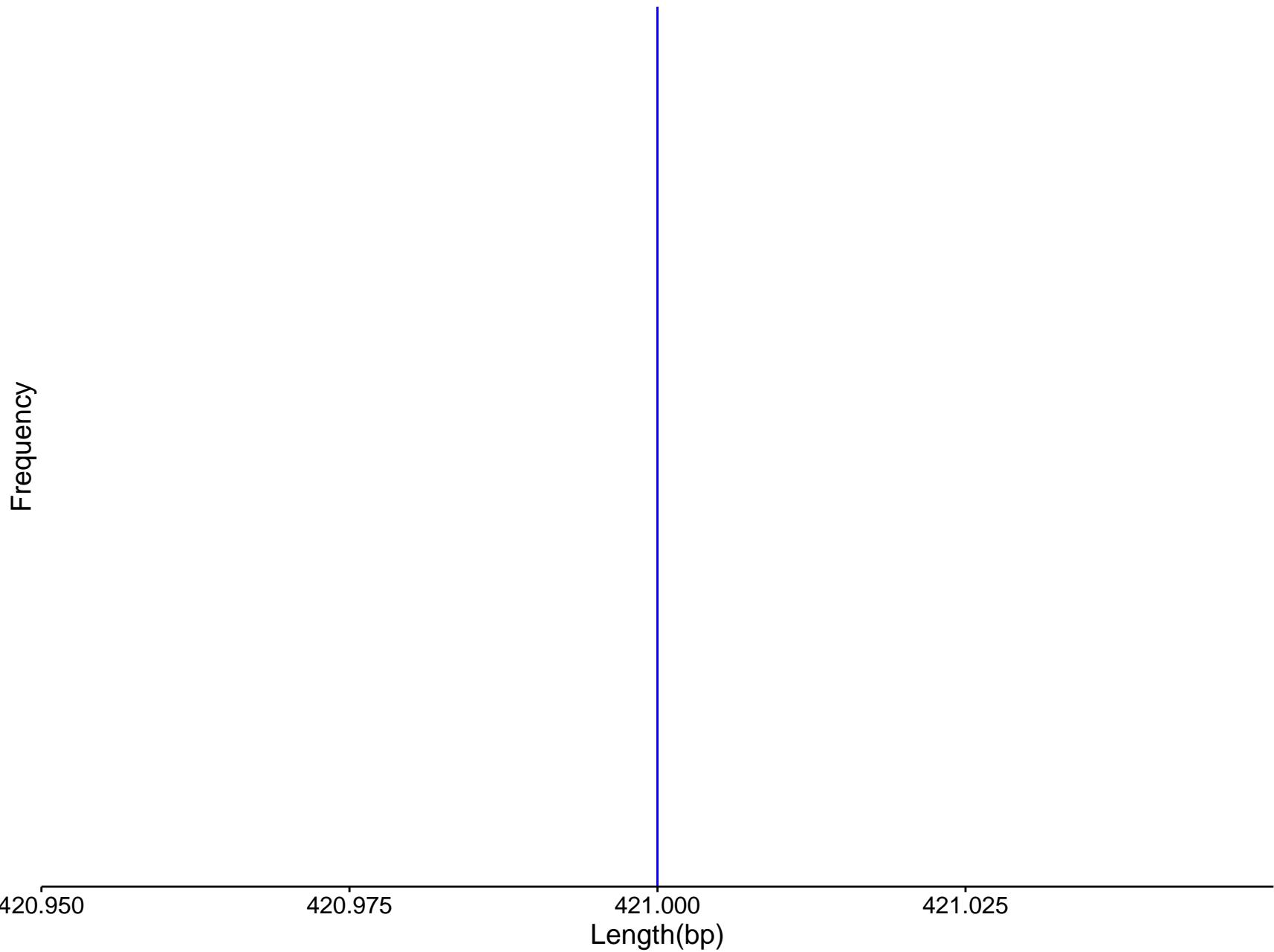
49.000

49.025

Length(bp)



# Cluster648



# Cluster649

Frequency

748.950

748.975

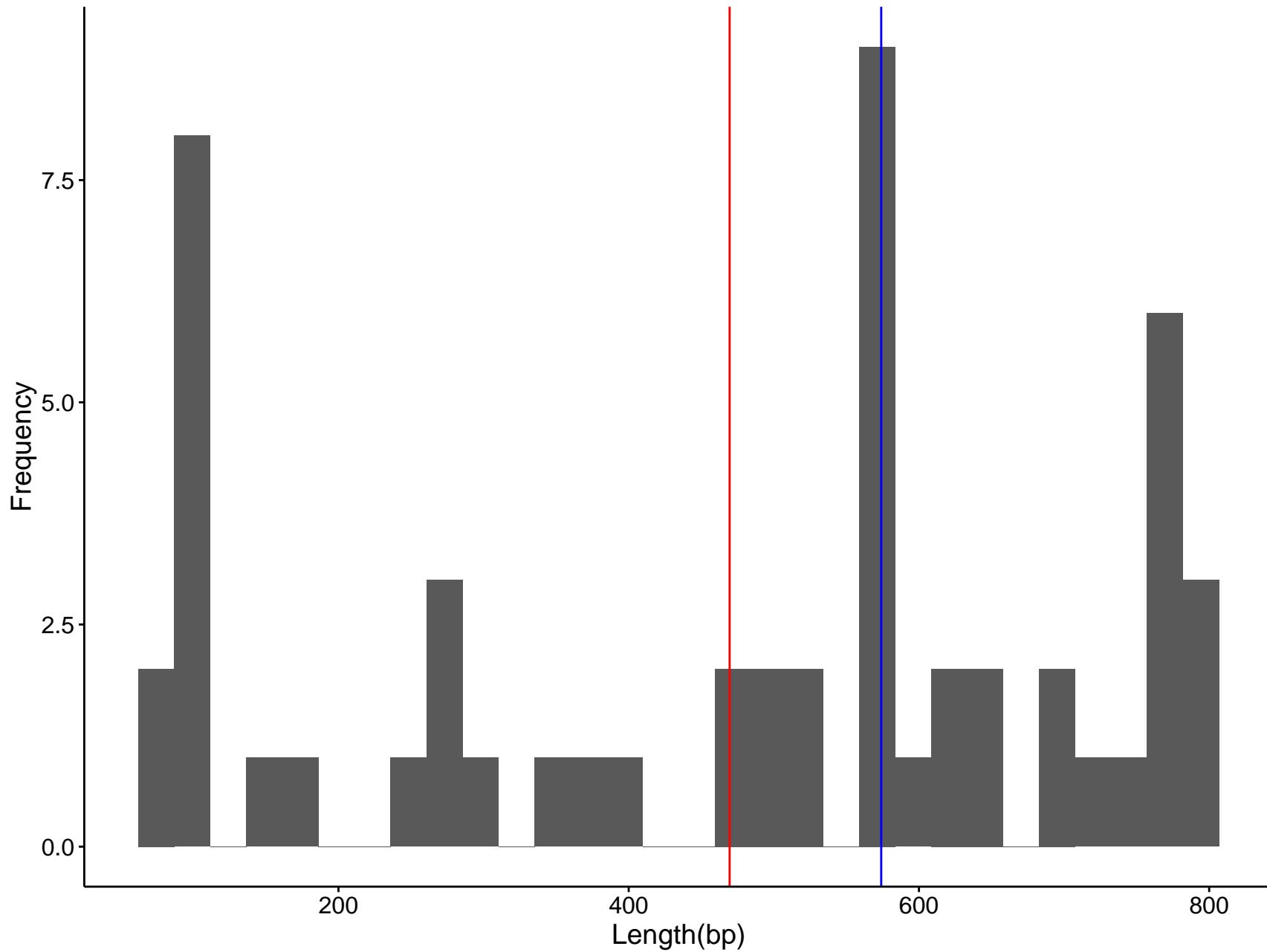
749.000

749.025

Length(bp)



Cluster64



# Cluster651

Frequency

205.950

205.975

206.000

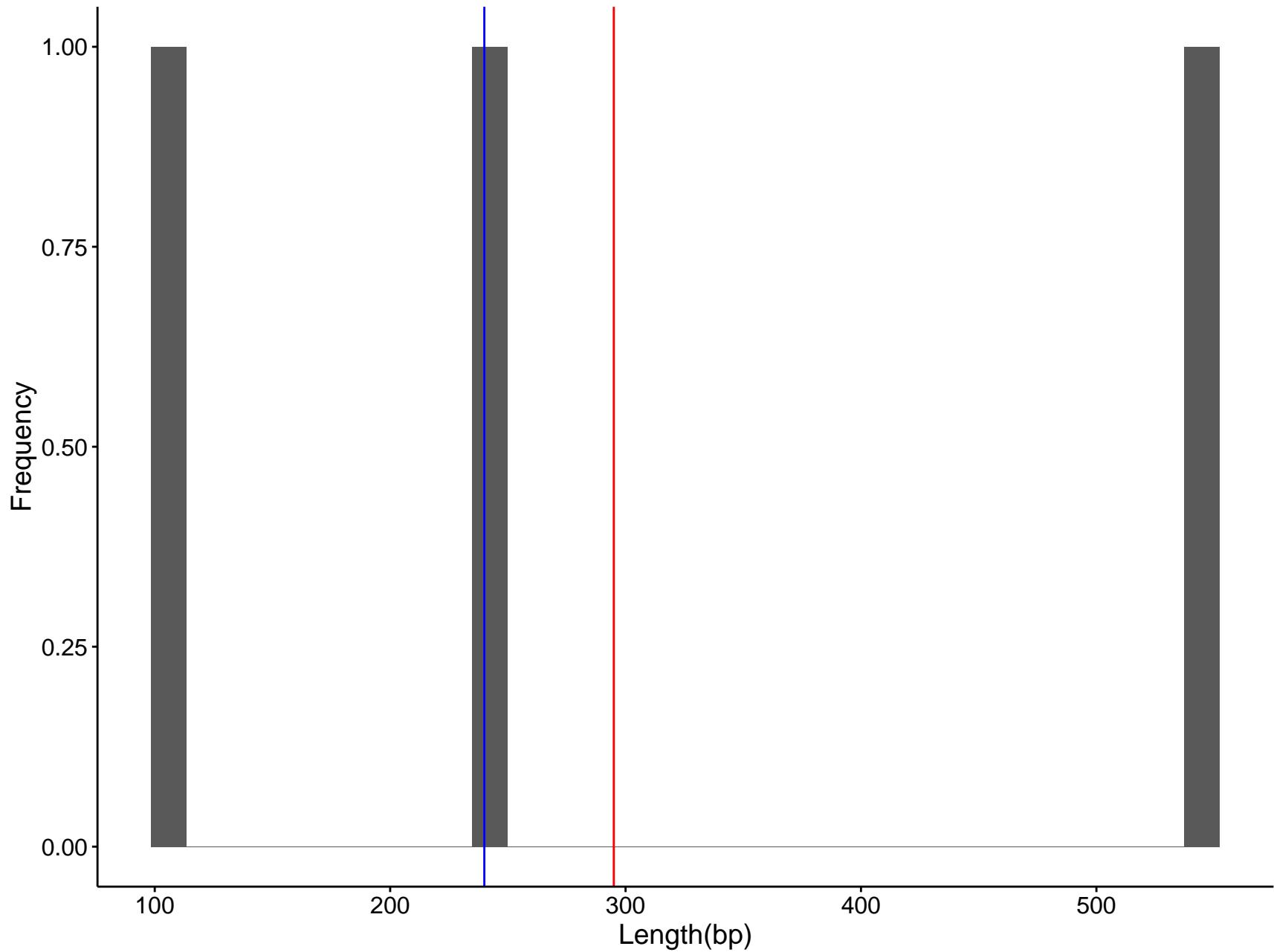
206.025

206.050

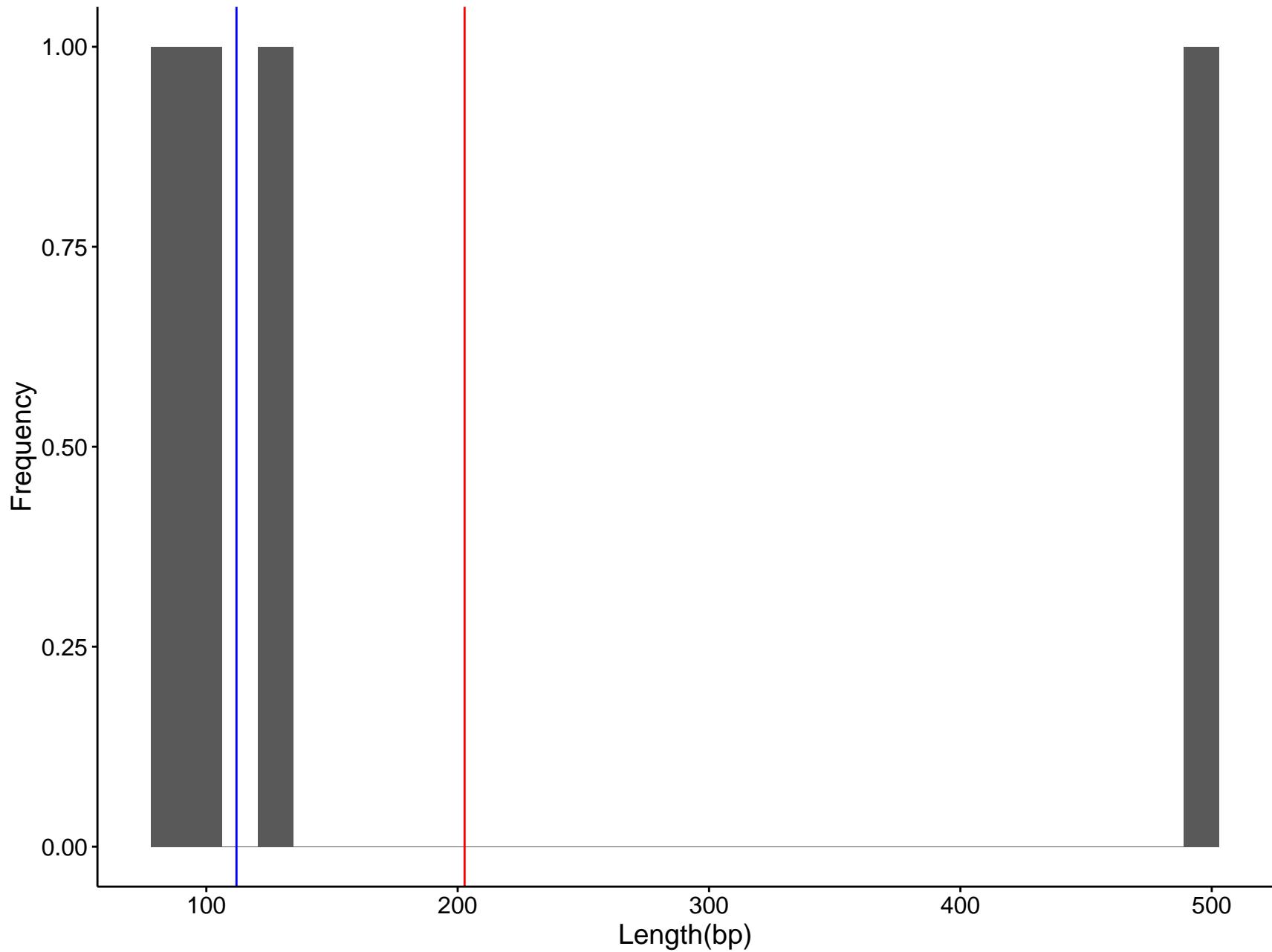
Length(bp)



Cluster652



Cluster653



# Cluster654

Frequency

158.950

158.975

159.000

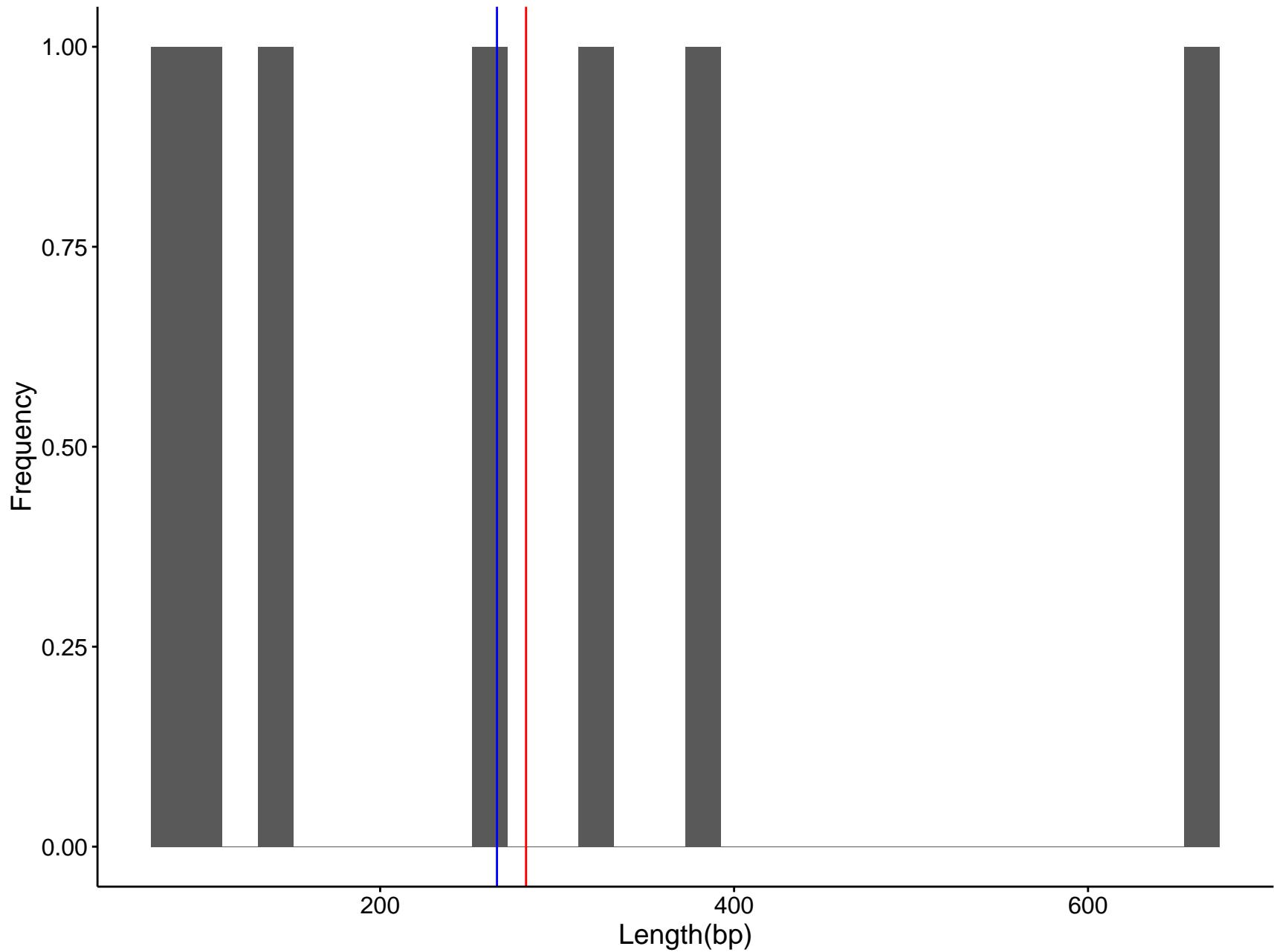
159.025

159.050

Length(bp)



Cluster655



# Cluster656

Frequency

294.950

294.975

295.000

295.025

295.050

Length(bp)



# Cluster657

Frequency

264.950

264.975

265.000

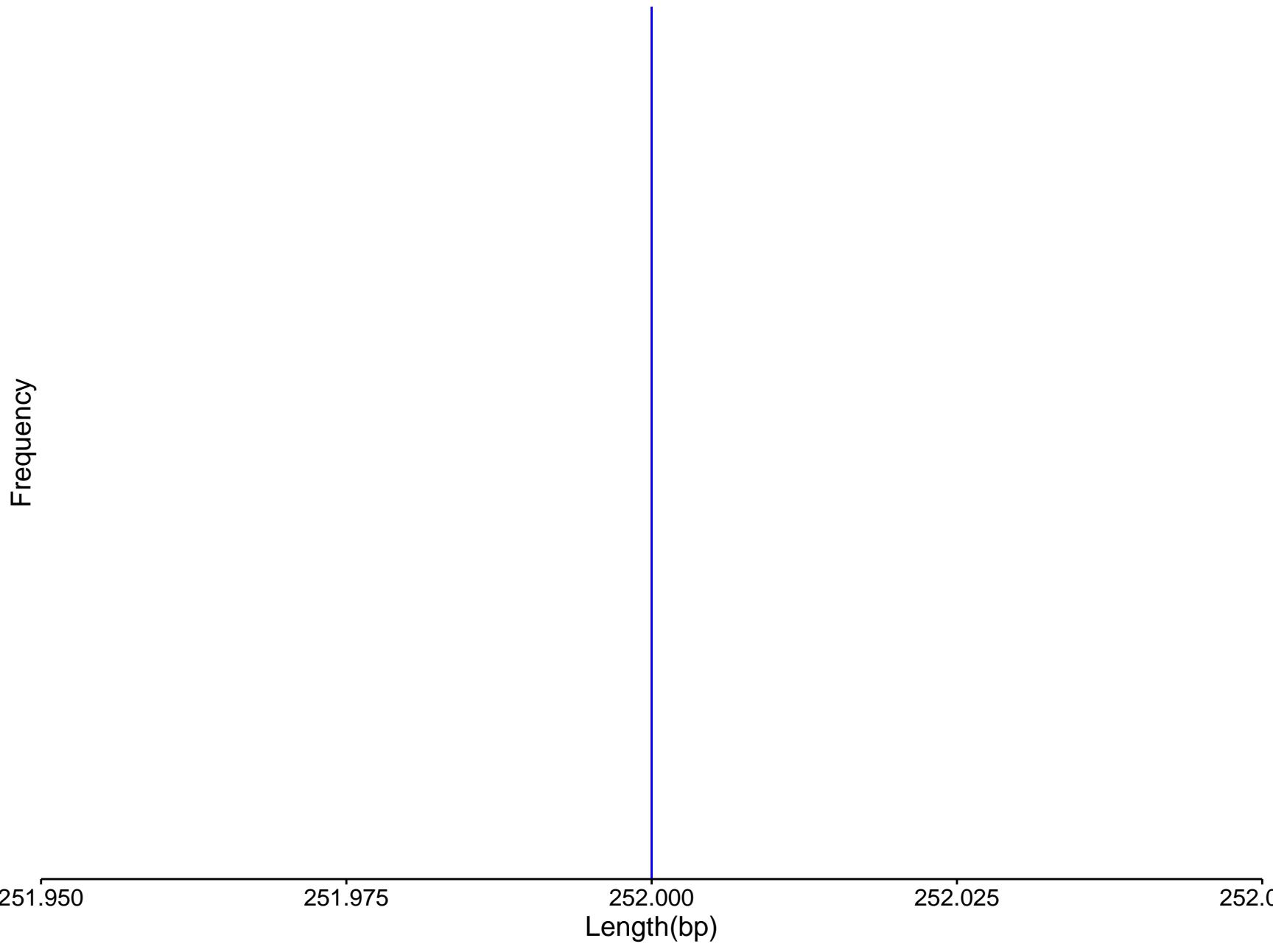
265.025

265.050

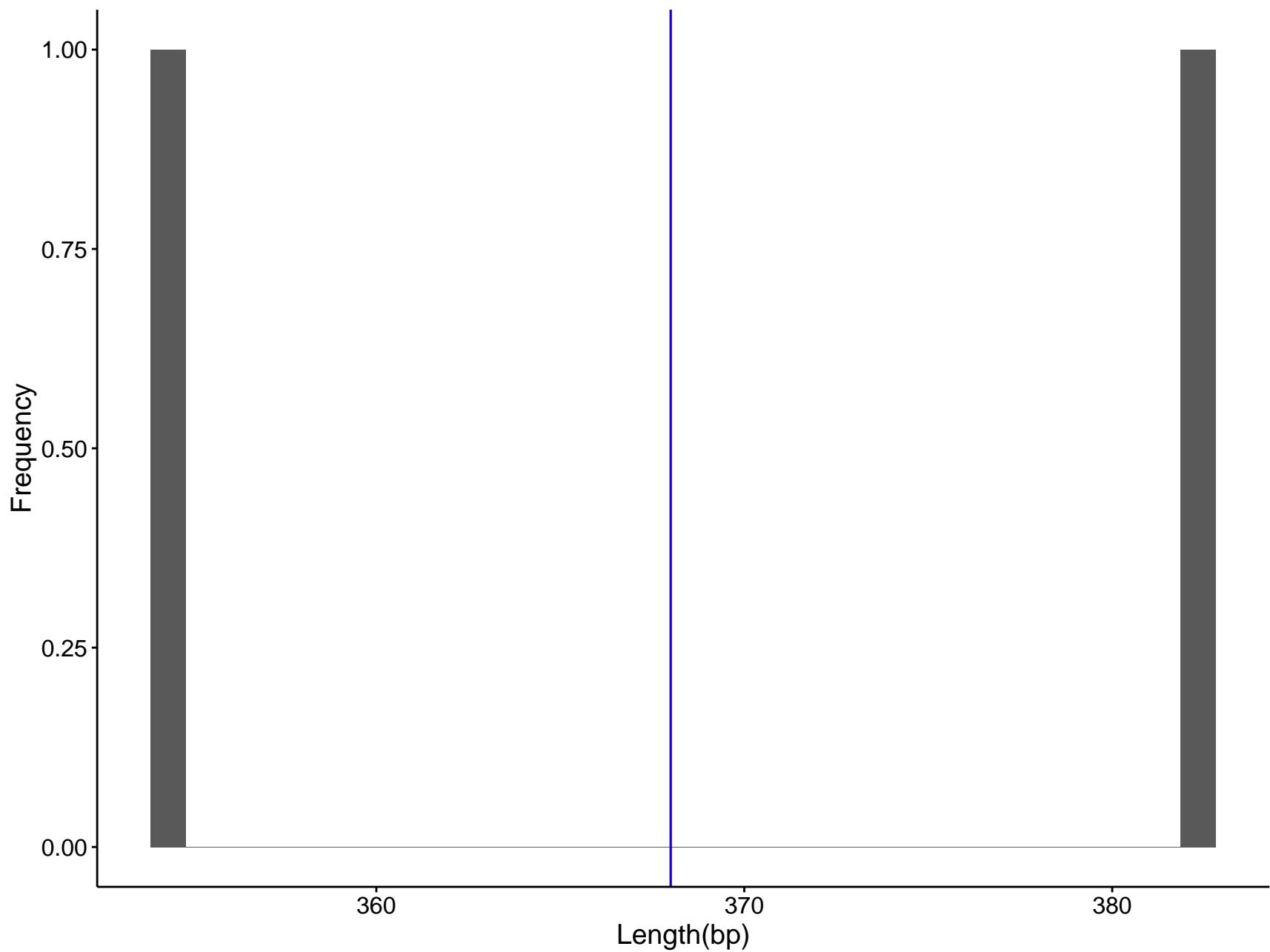
Length(bp)



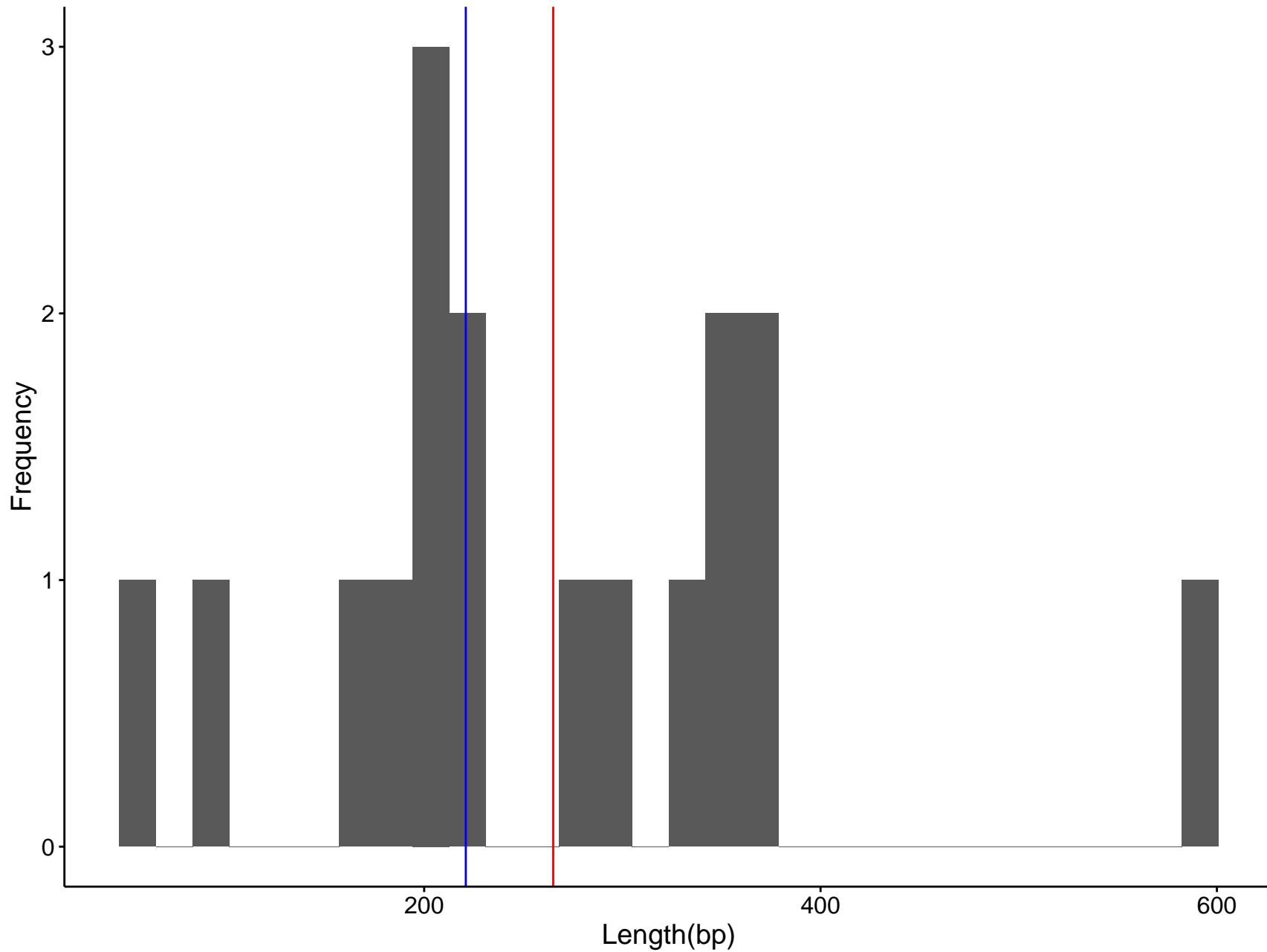
# Cluster658



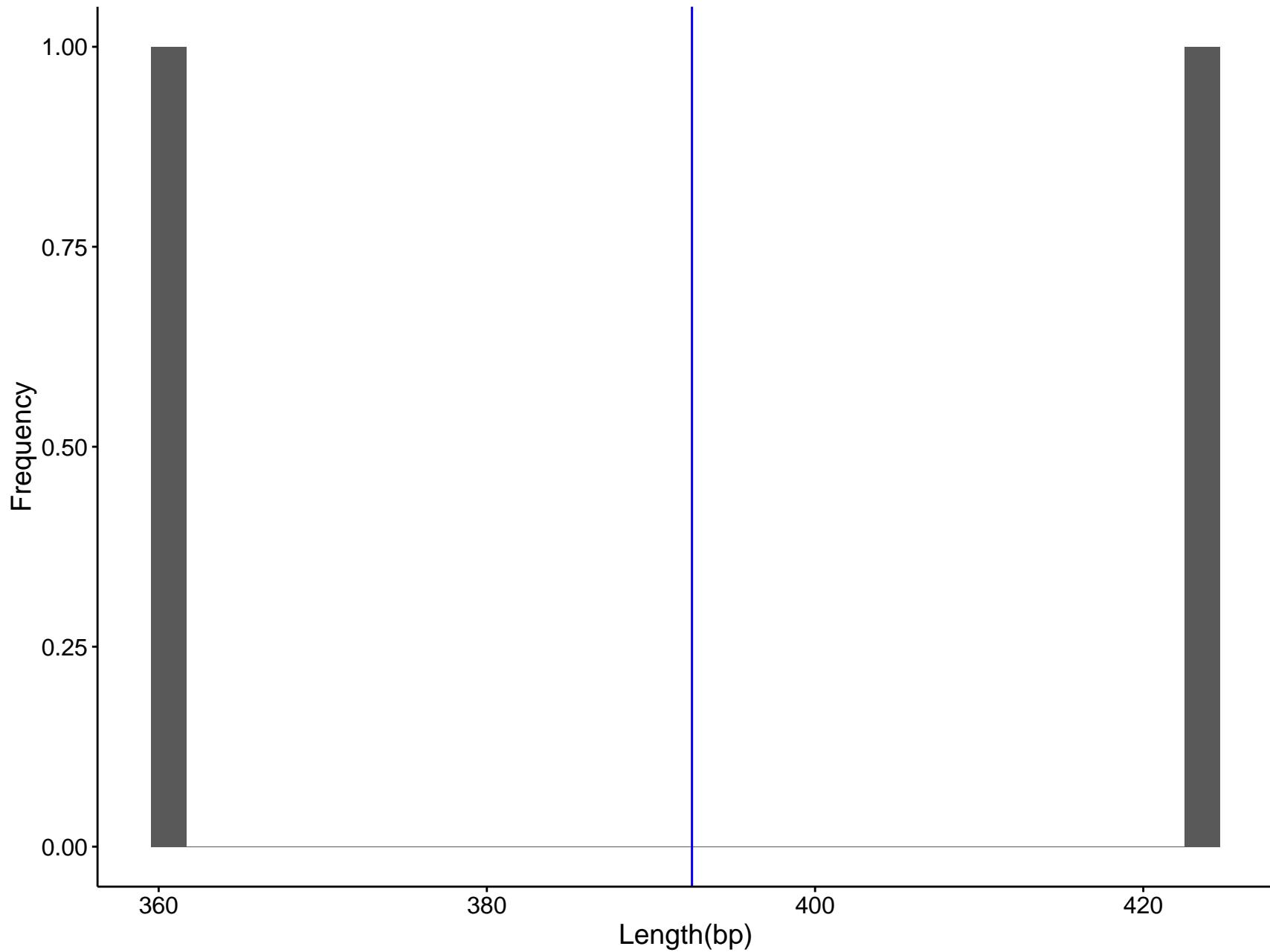
Cluster659



Cluster660



Cluster661



# Cluster662

Frequency

377.950

377.975

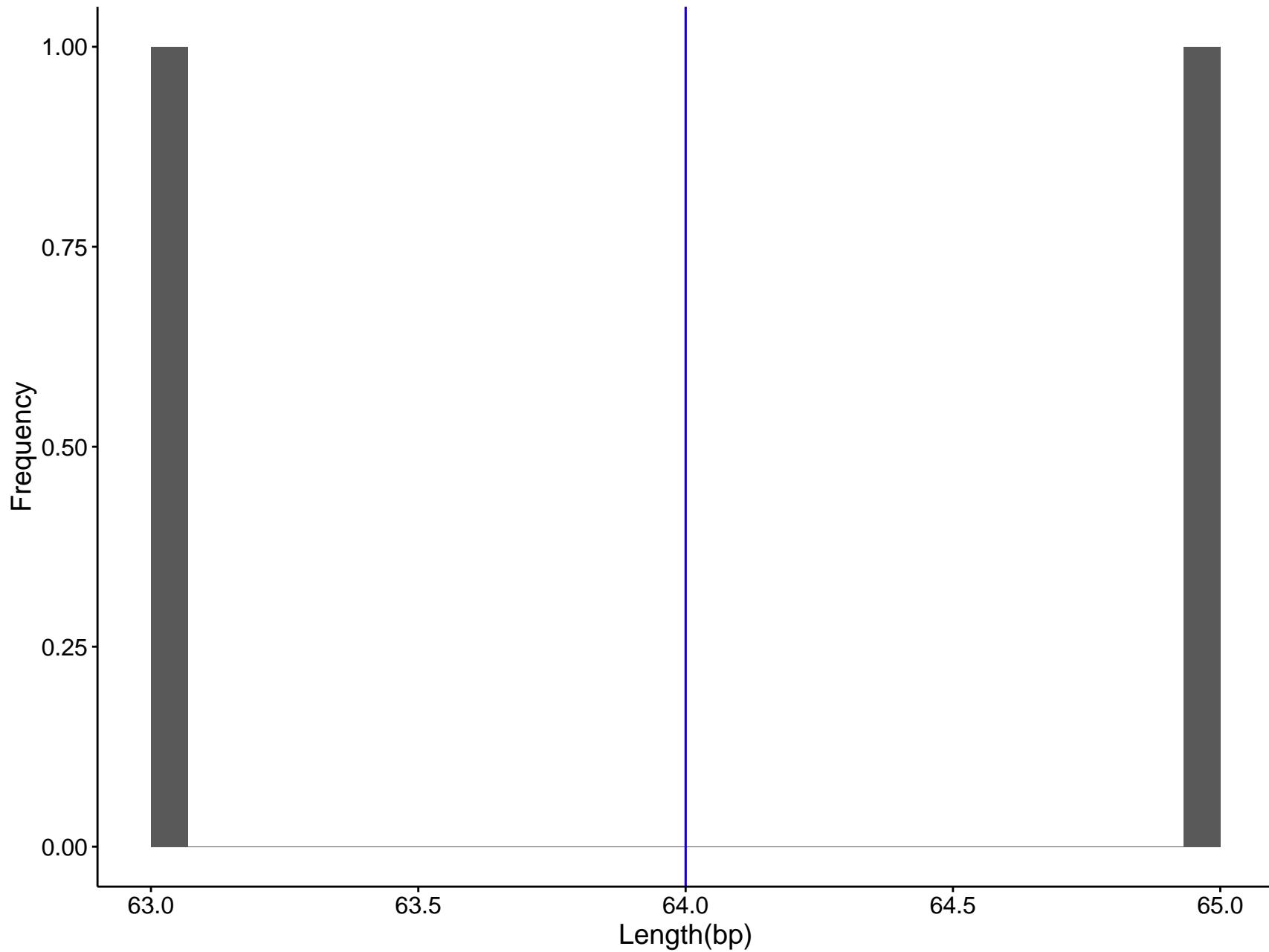
378.000

378.025

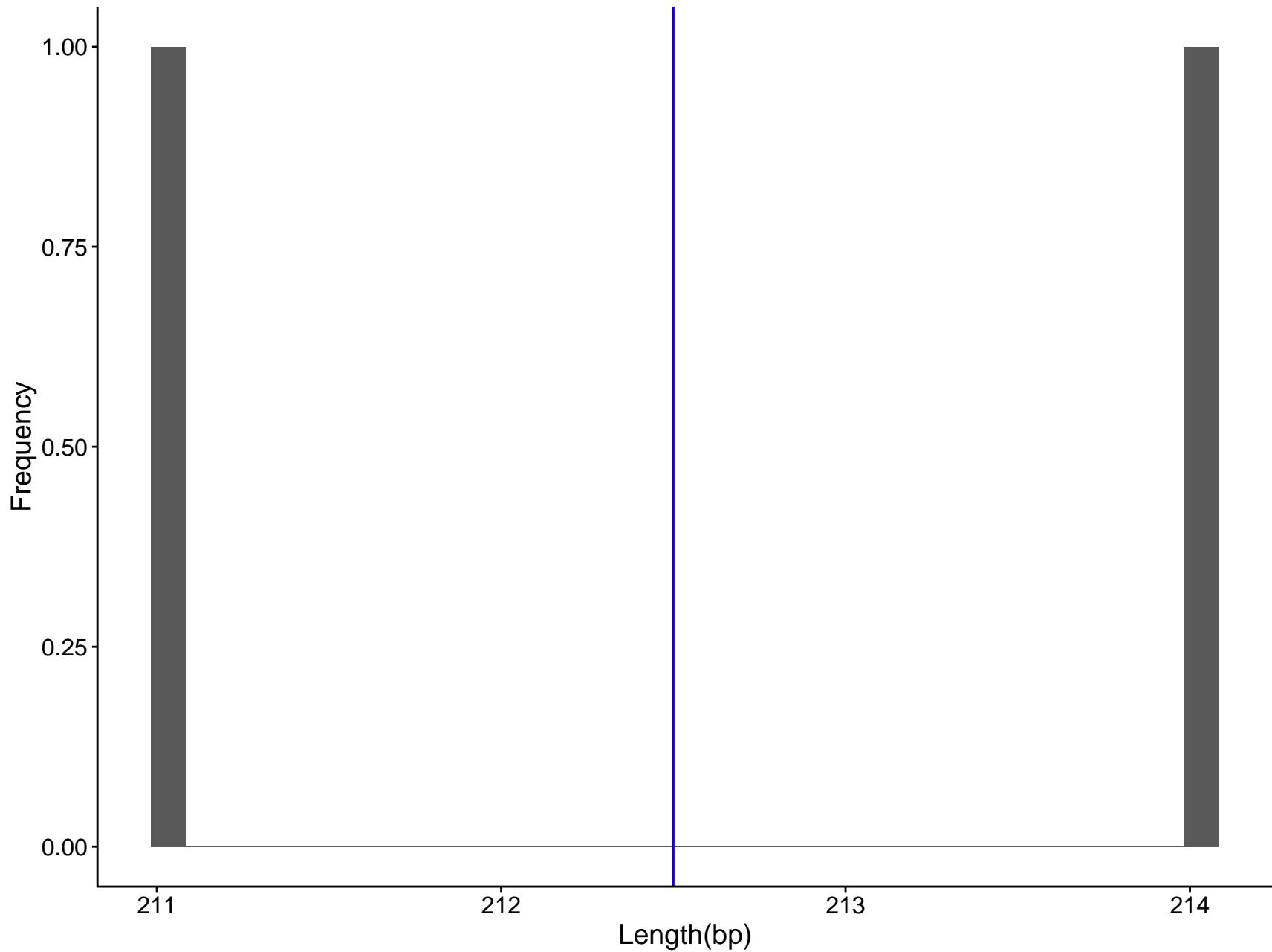
Length(bp)



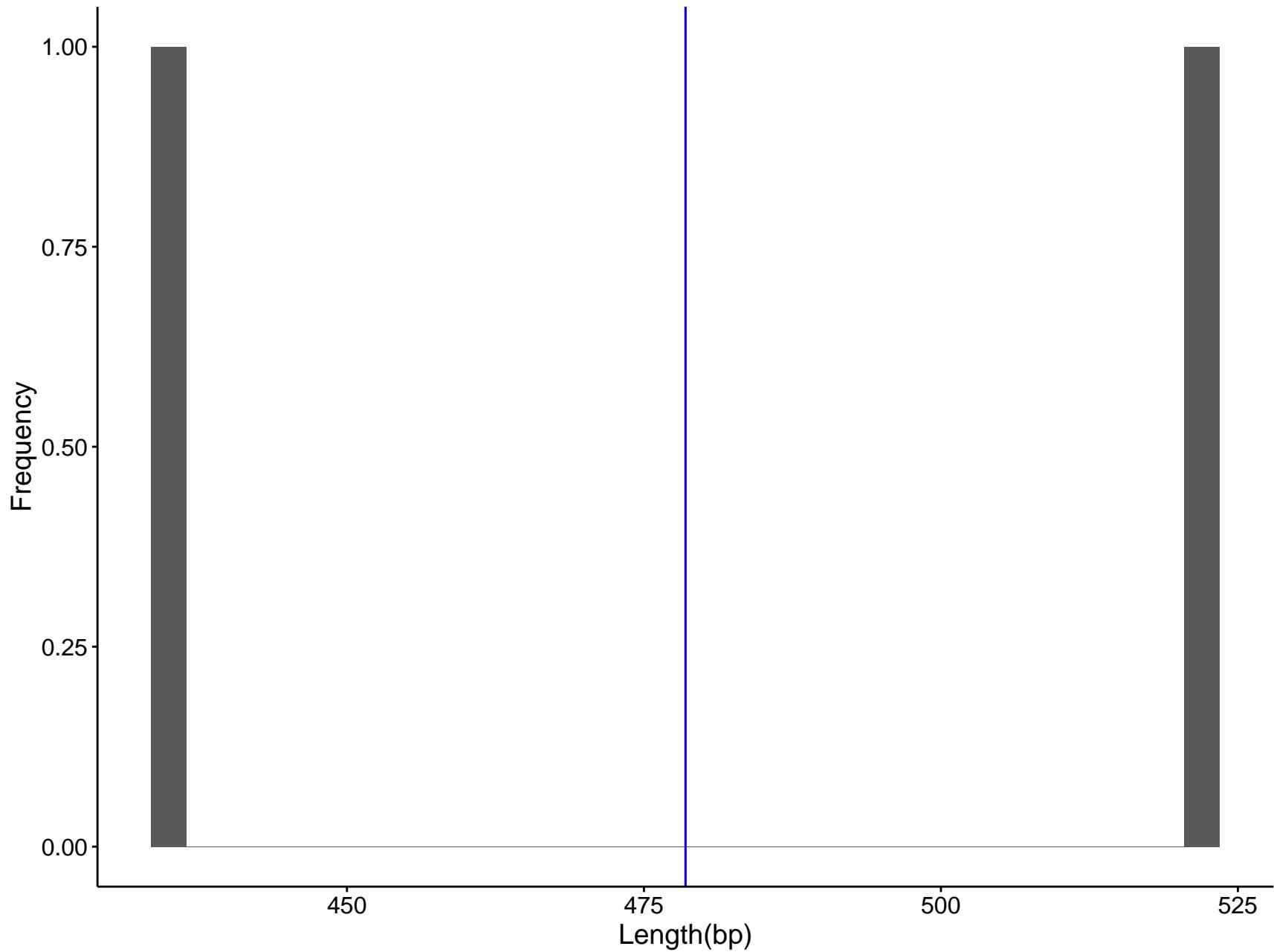
Cluster663



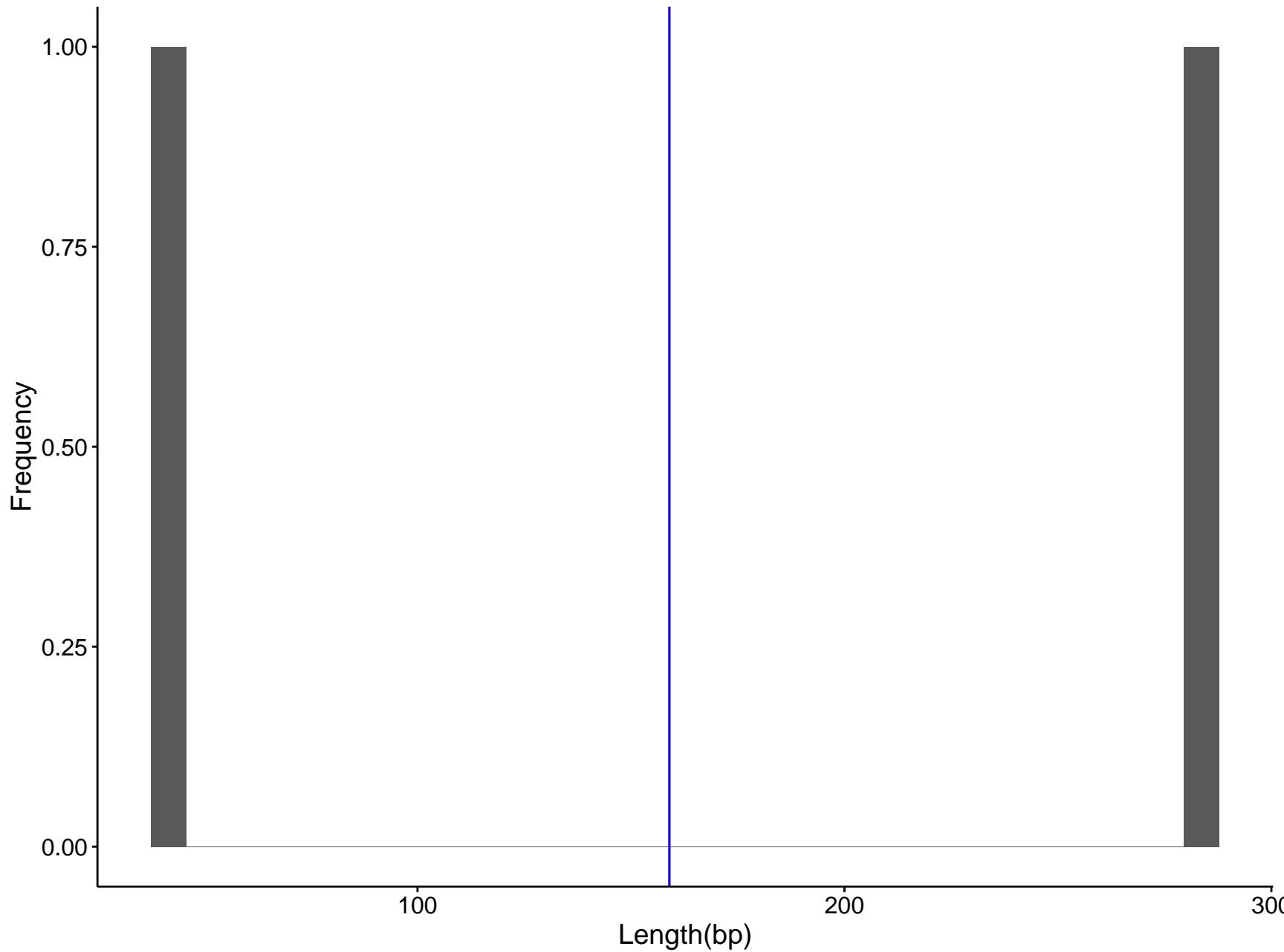
Cluster664



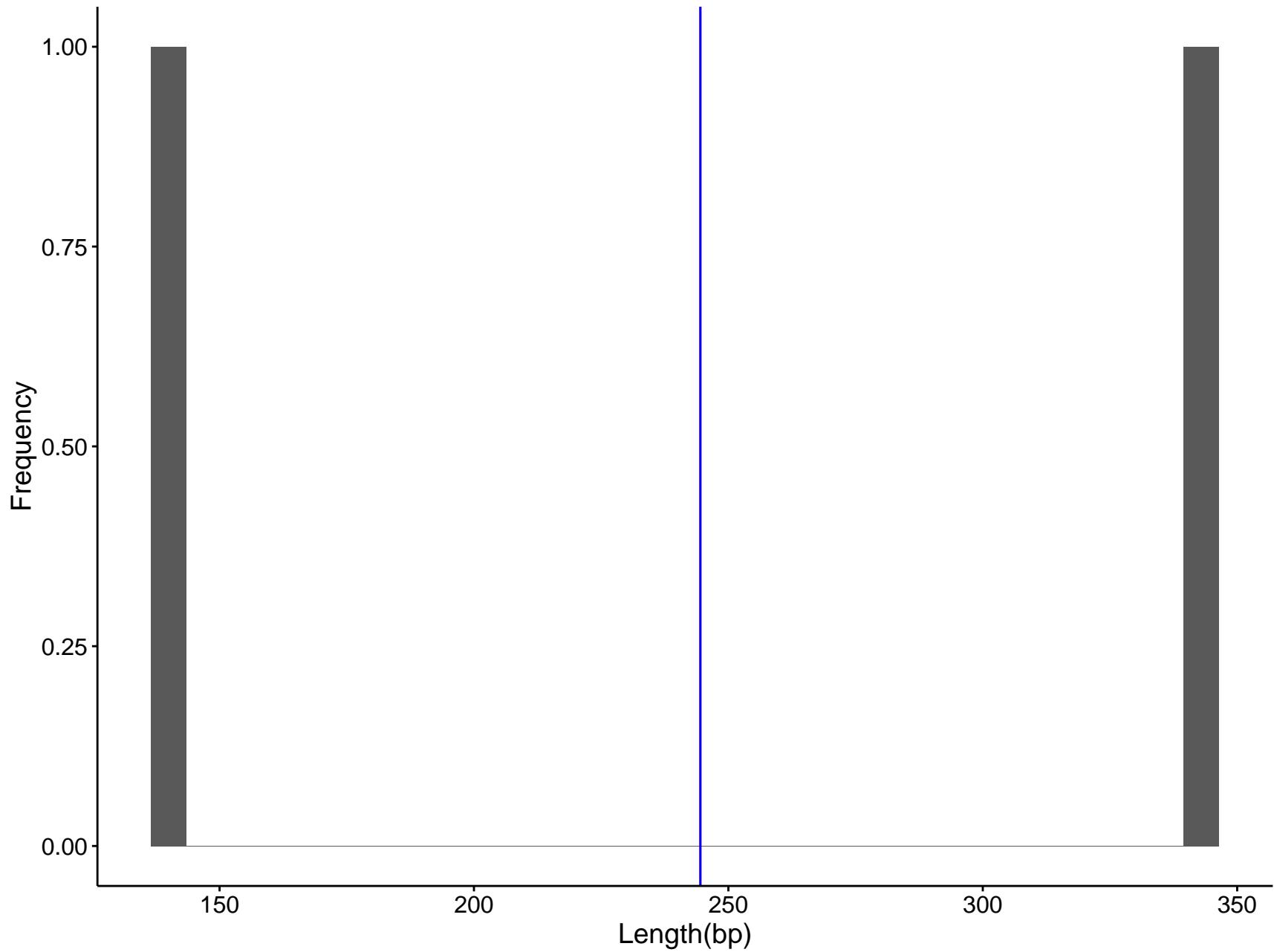
Cluster666



Cluster667



Cluster668



Cluster669

Frequency

47.950

47.975

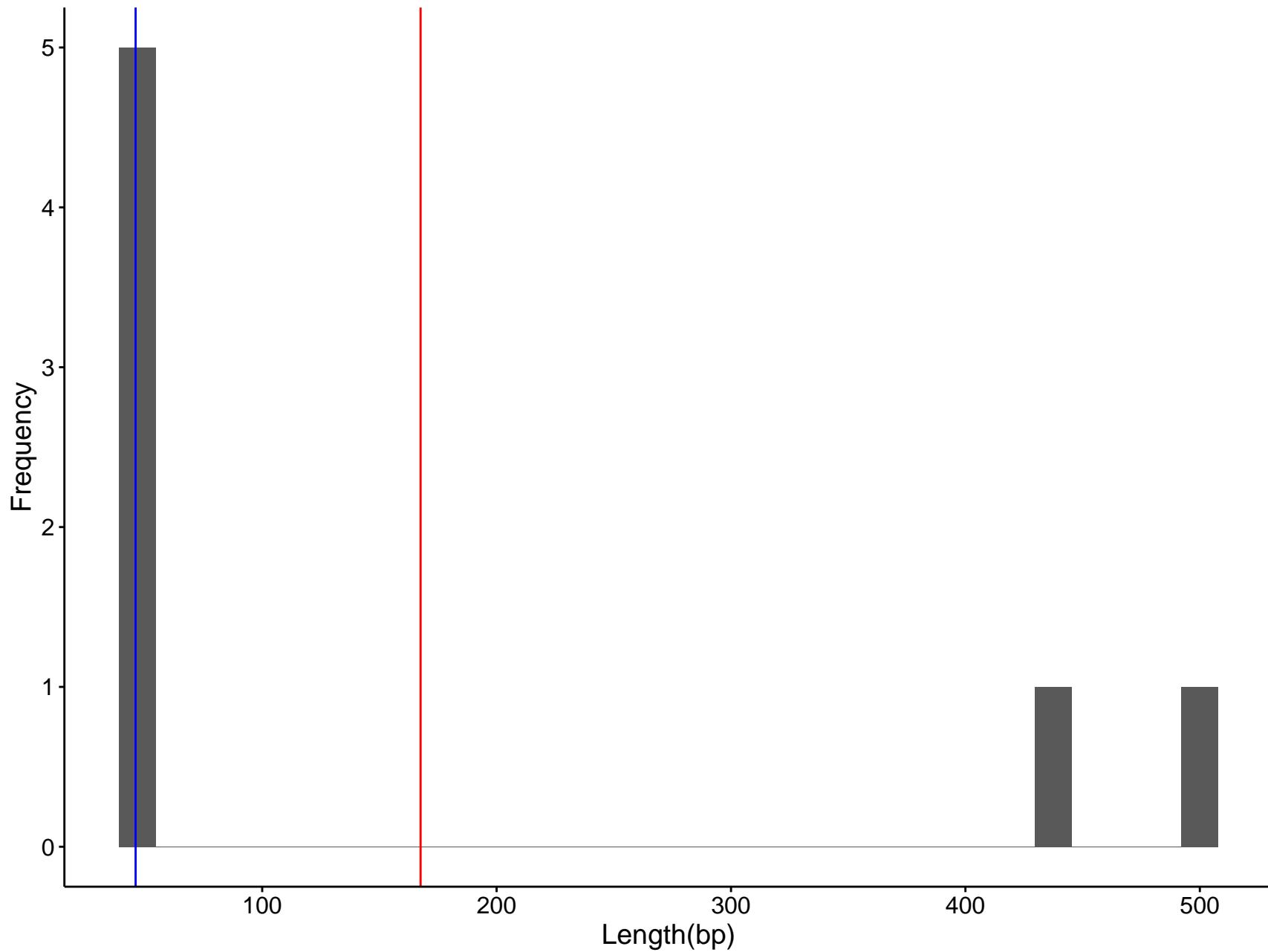
48.000

48.025

Length(bp)



Cluster670



# Cluster671

Frequency

429.950

429.975

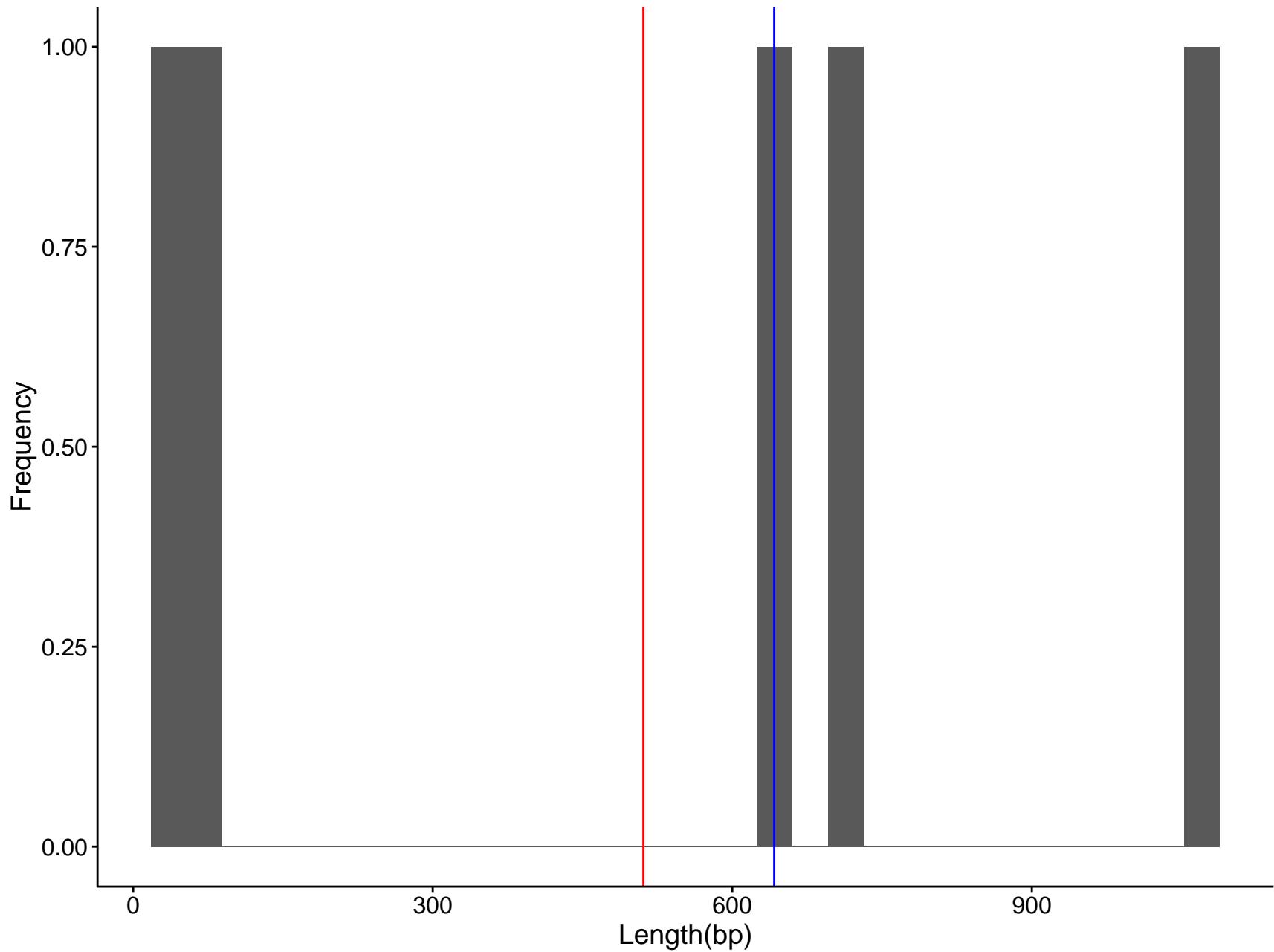
430.000

430.025

Length(bp)



Cluster672



# Cluster673

Frequency

99.950

99.975

100.000

100.025

100.0

Length(bp)



# Cluster676

Frequency

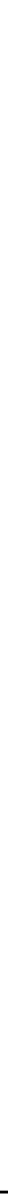
668.950

668.975

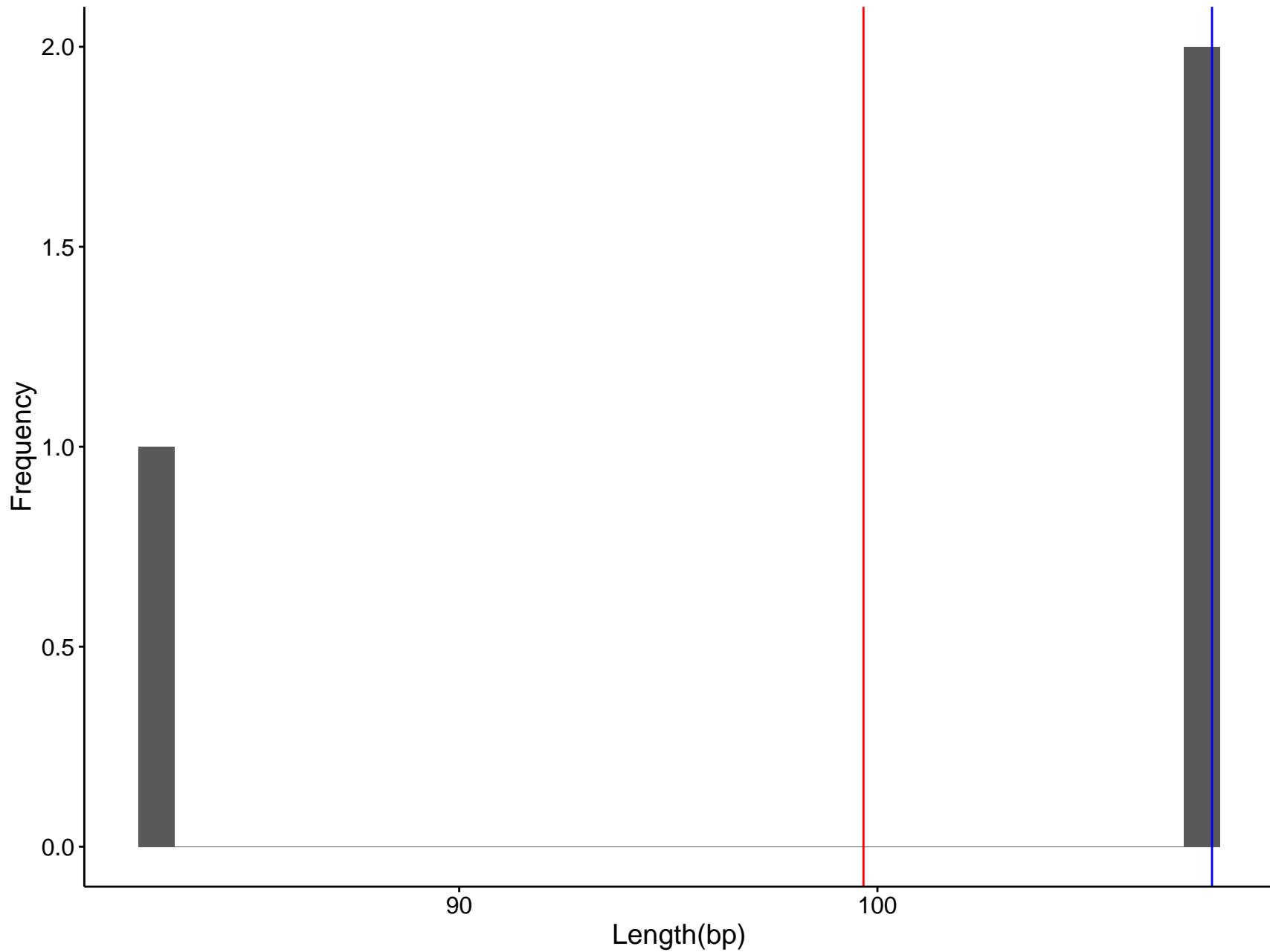
669.000

669.025

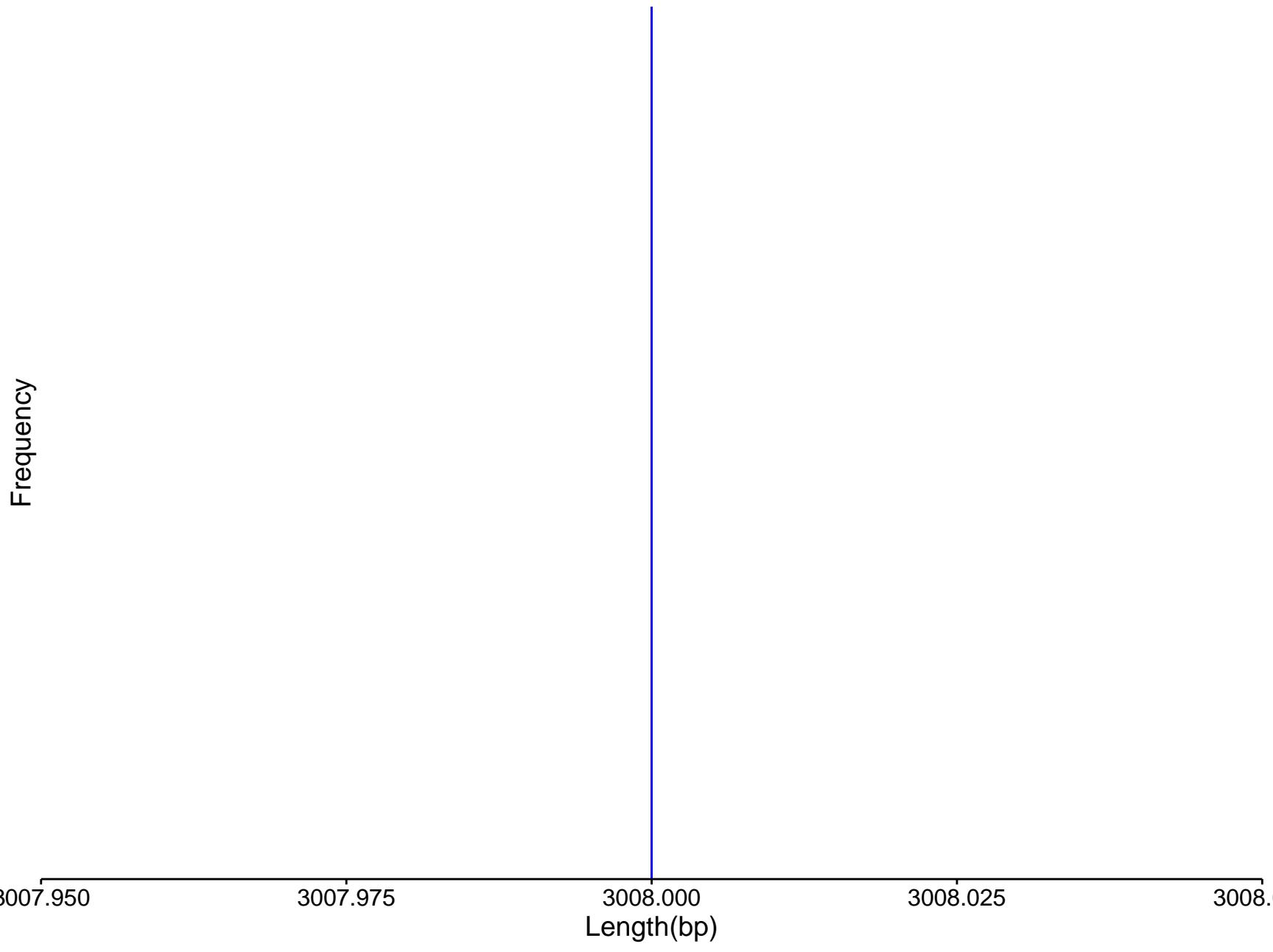
Length(bp)



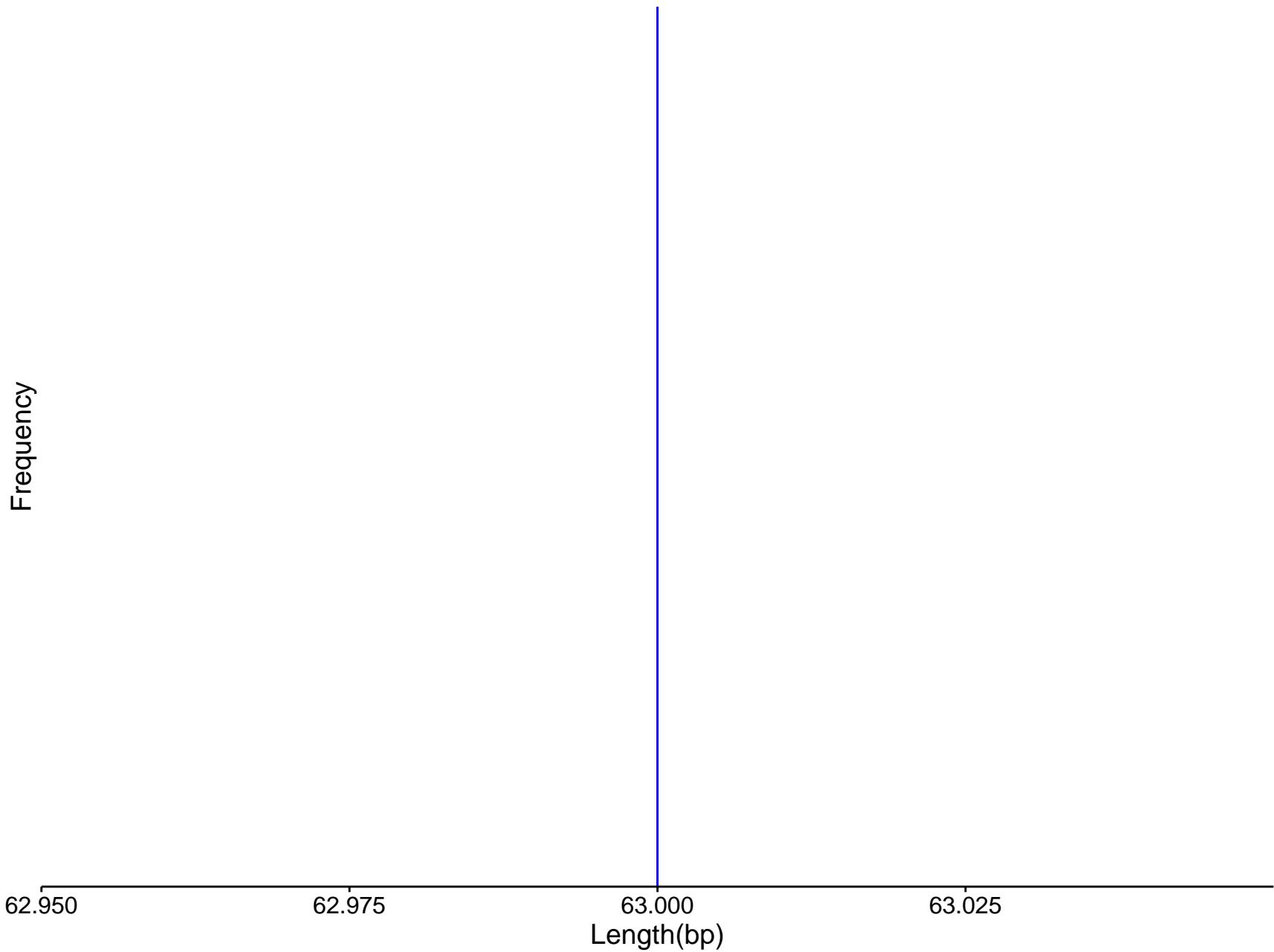
Cluster677



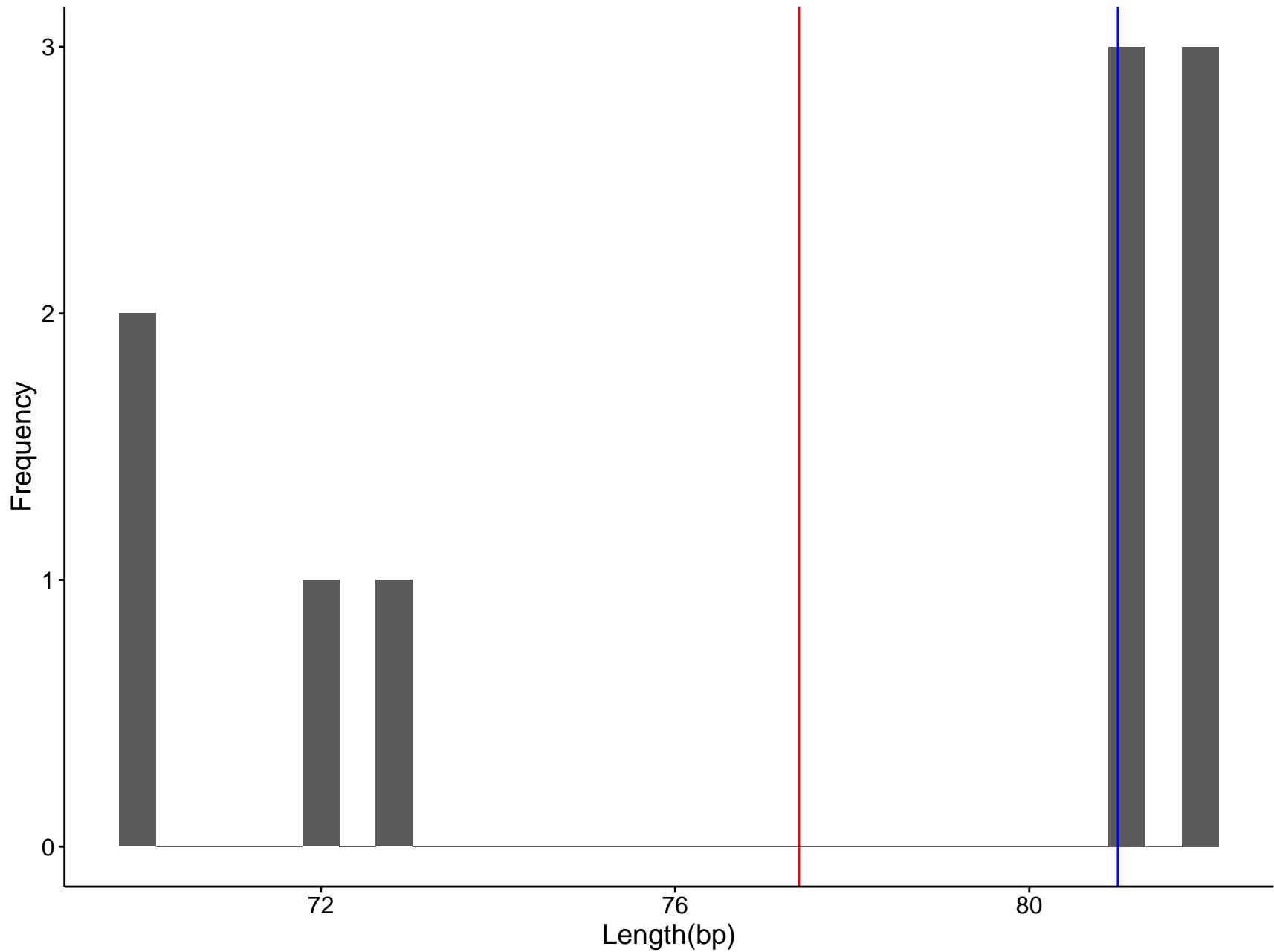
# Cluster678



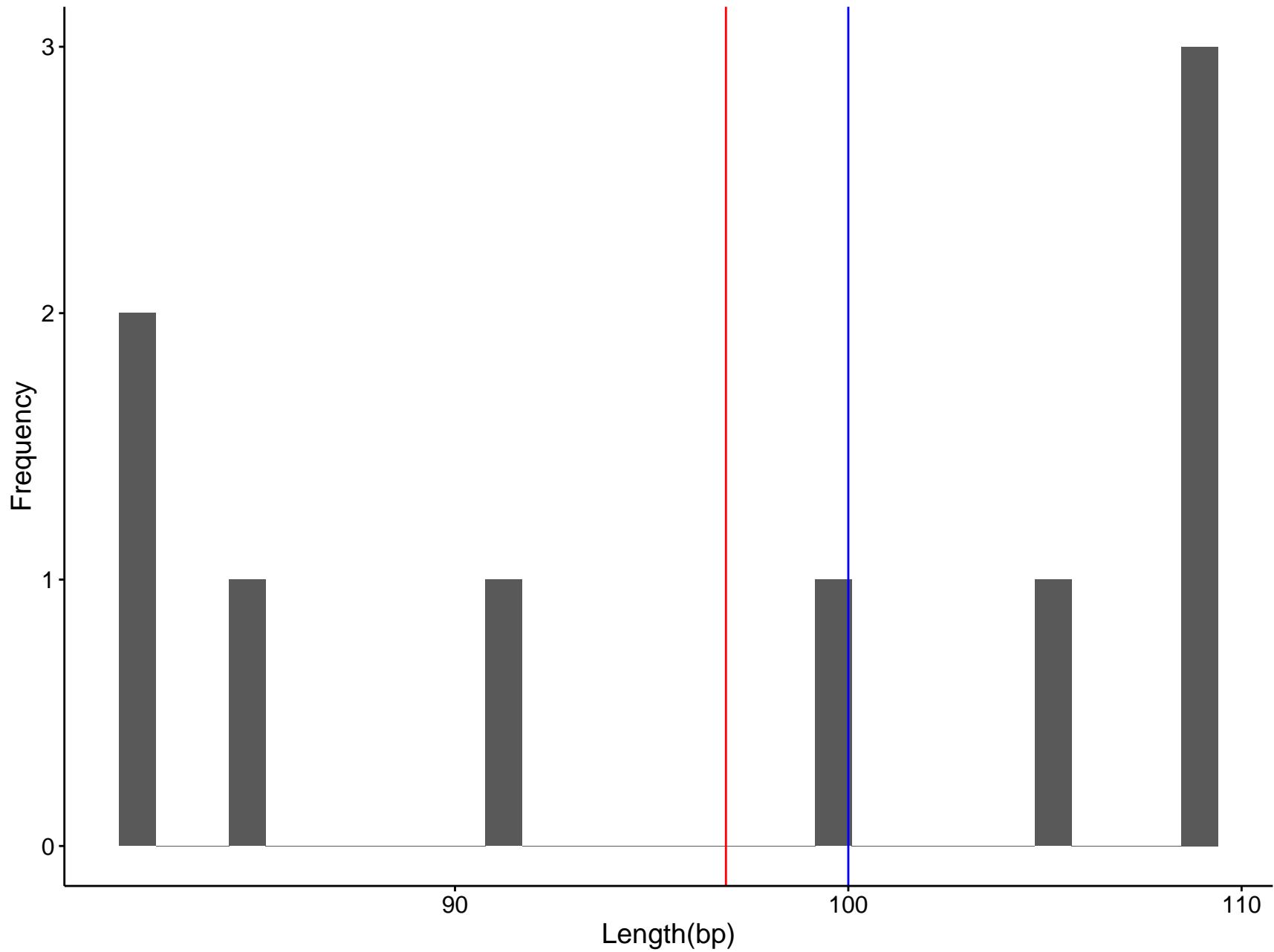
# Cluster683



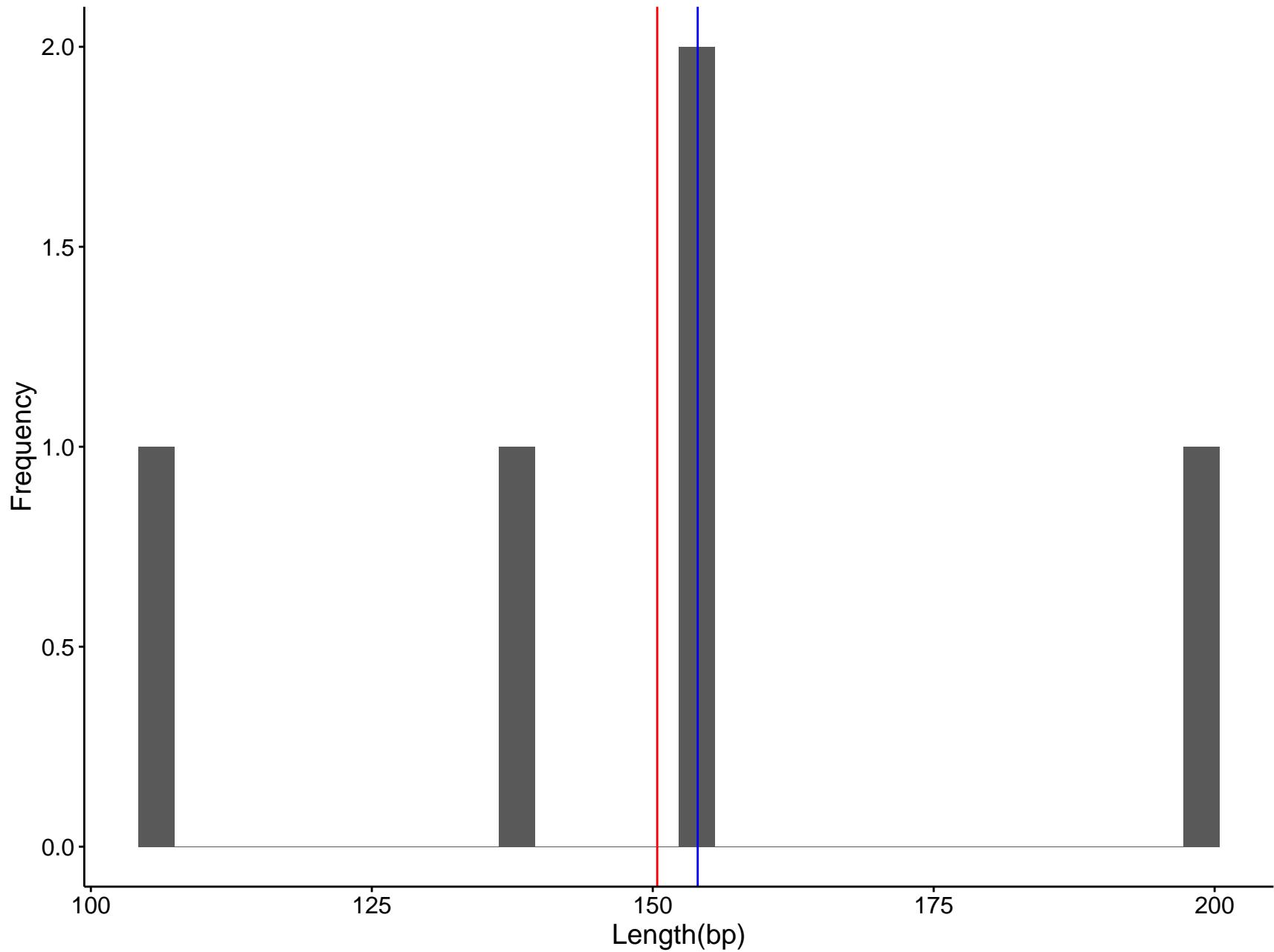
# Cluster684



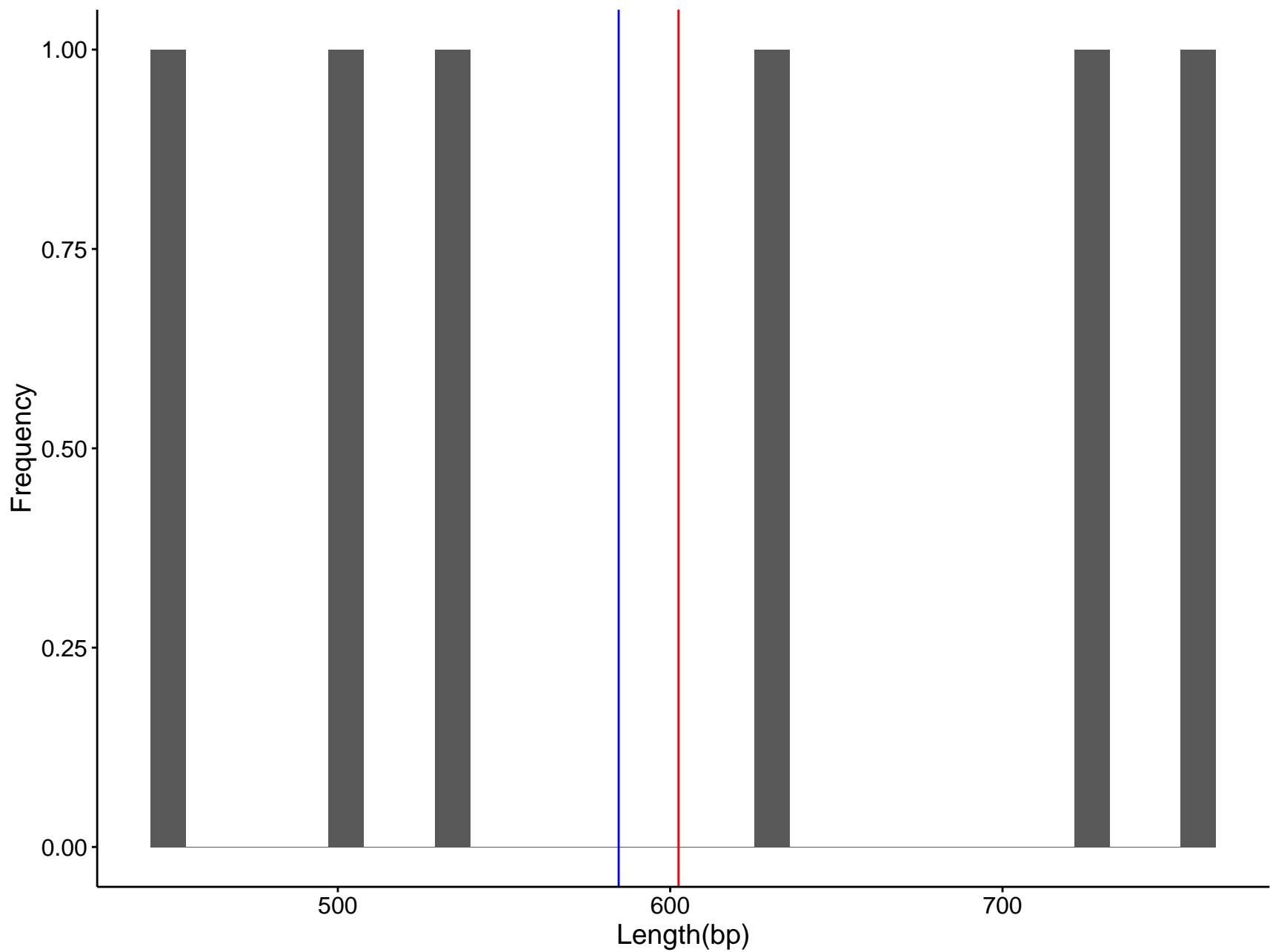
Cluster685



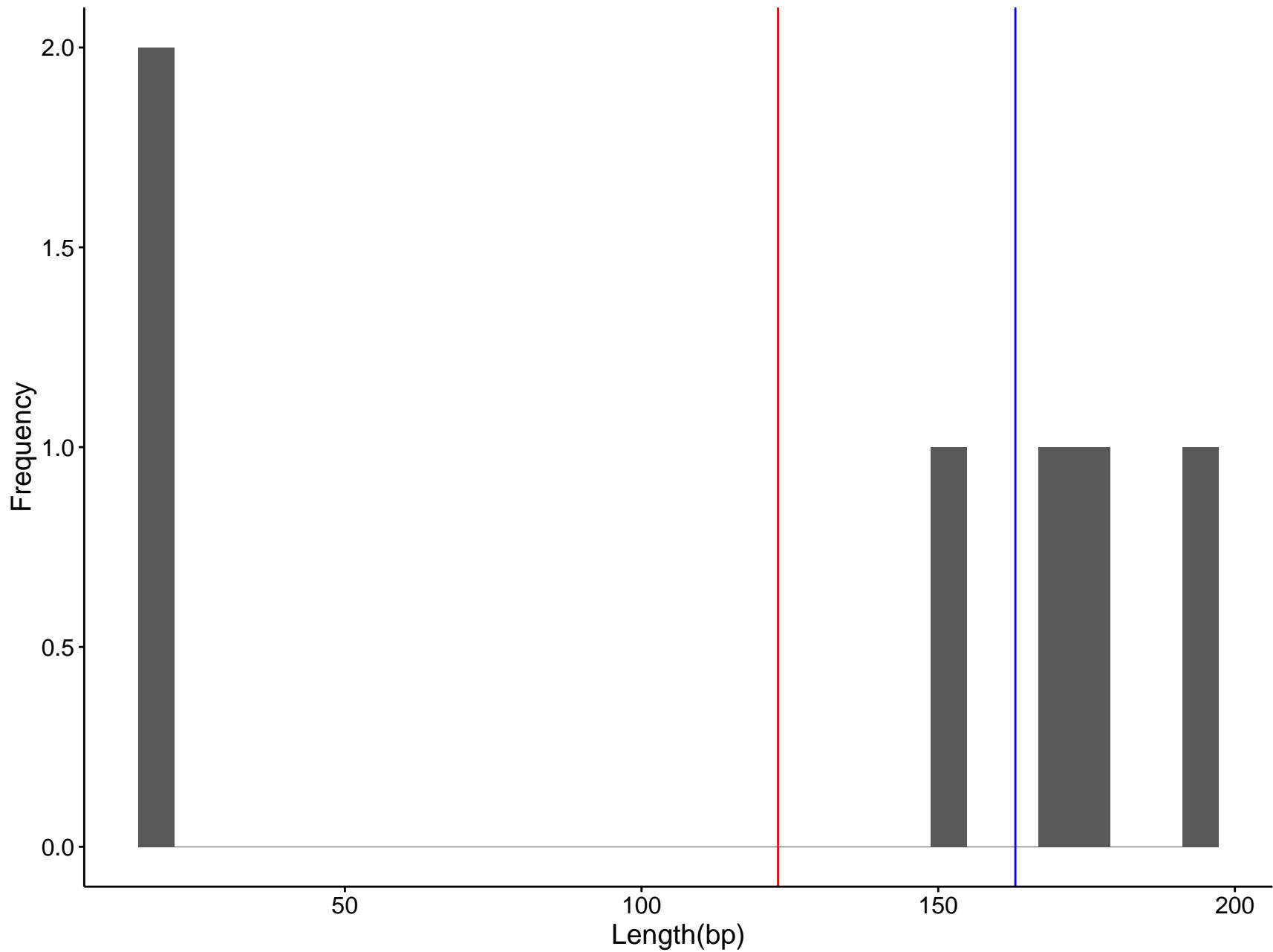
Cluster689



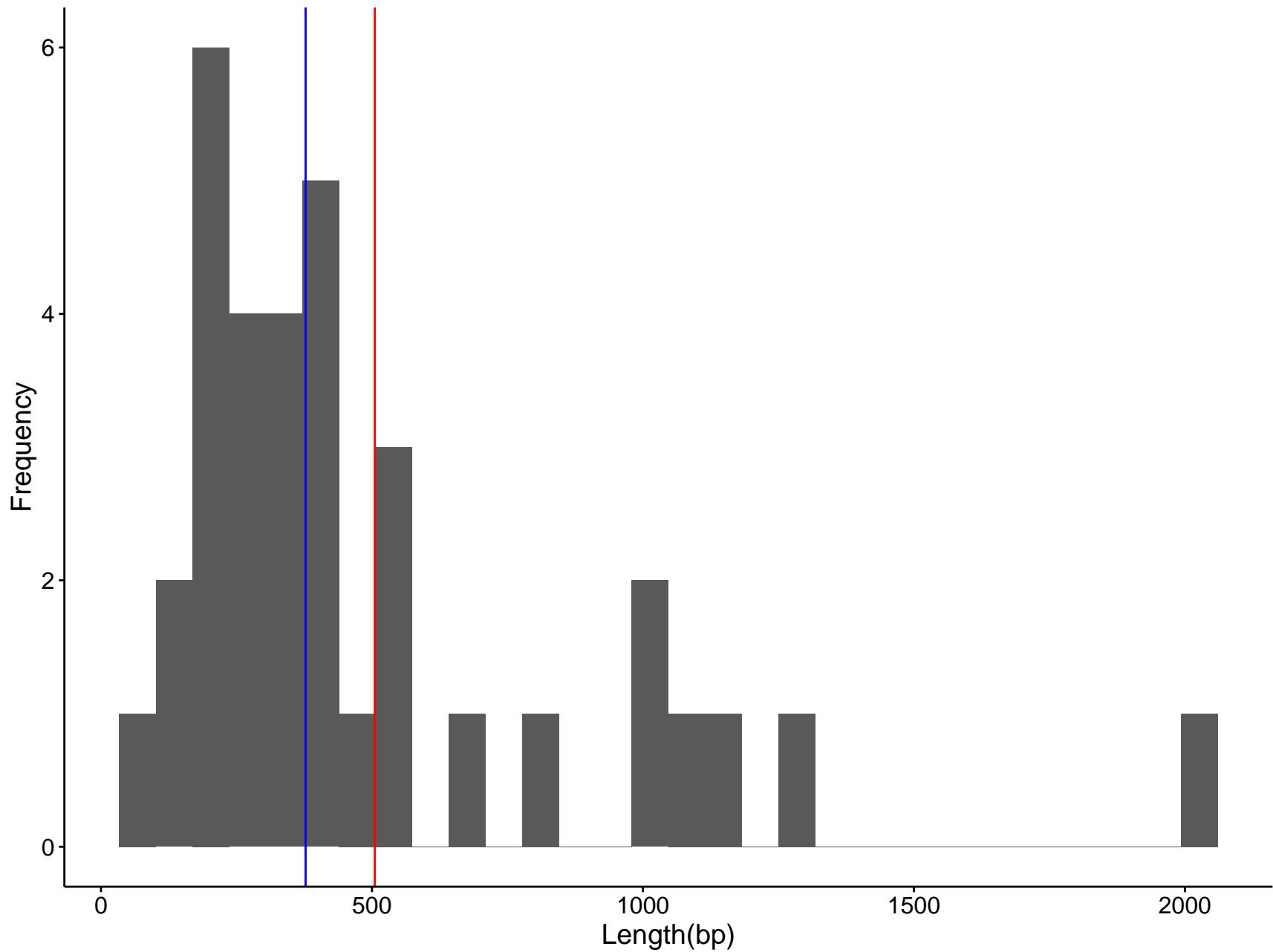
Cluster694



Cluster695



Cluster696



# Cluster697

Frequency

189.950

189.975

190.000

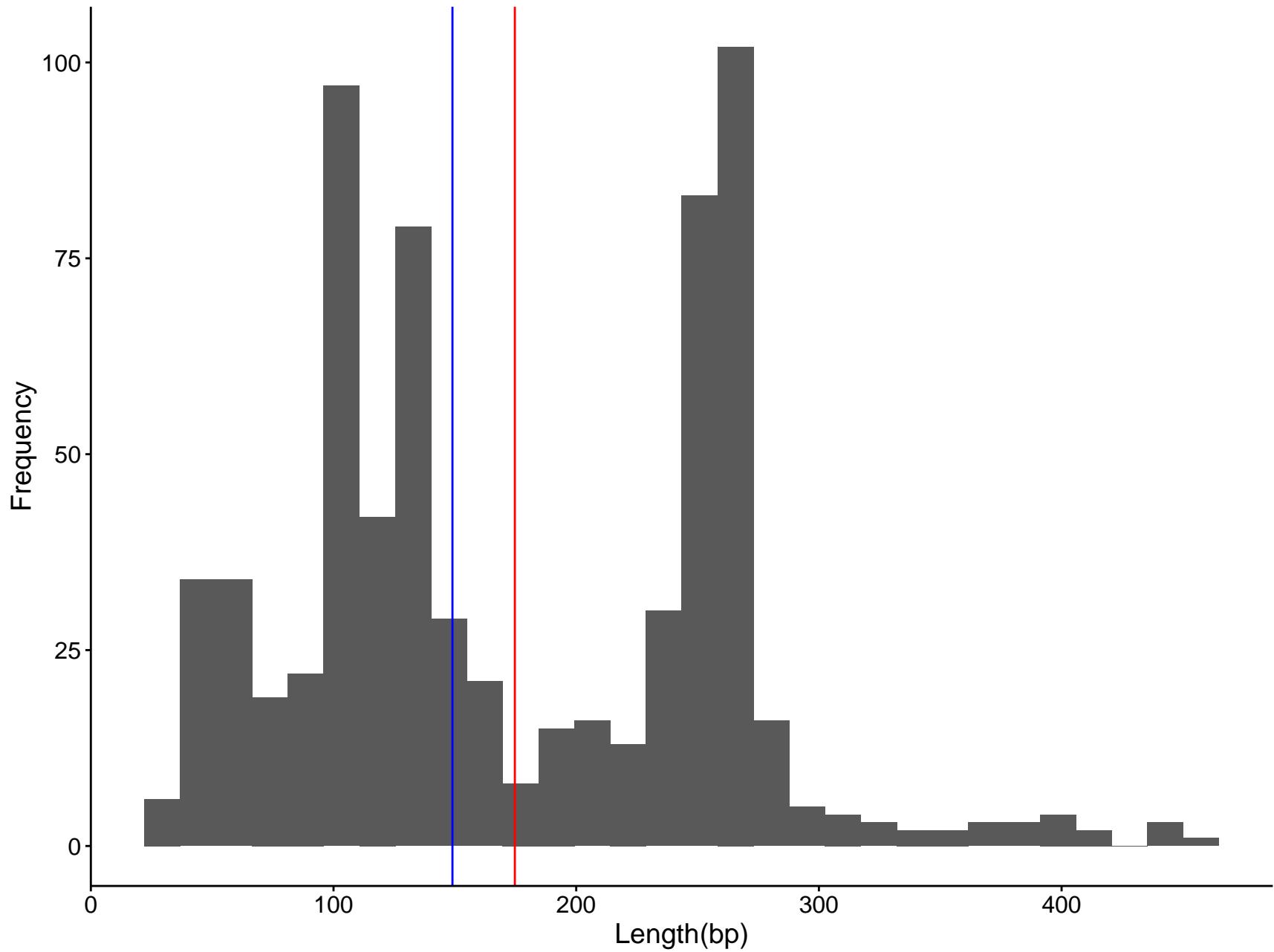
190.025

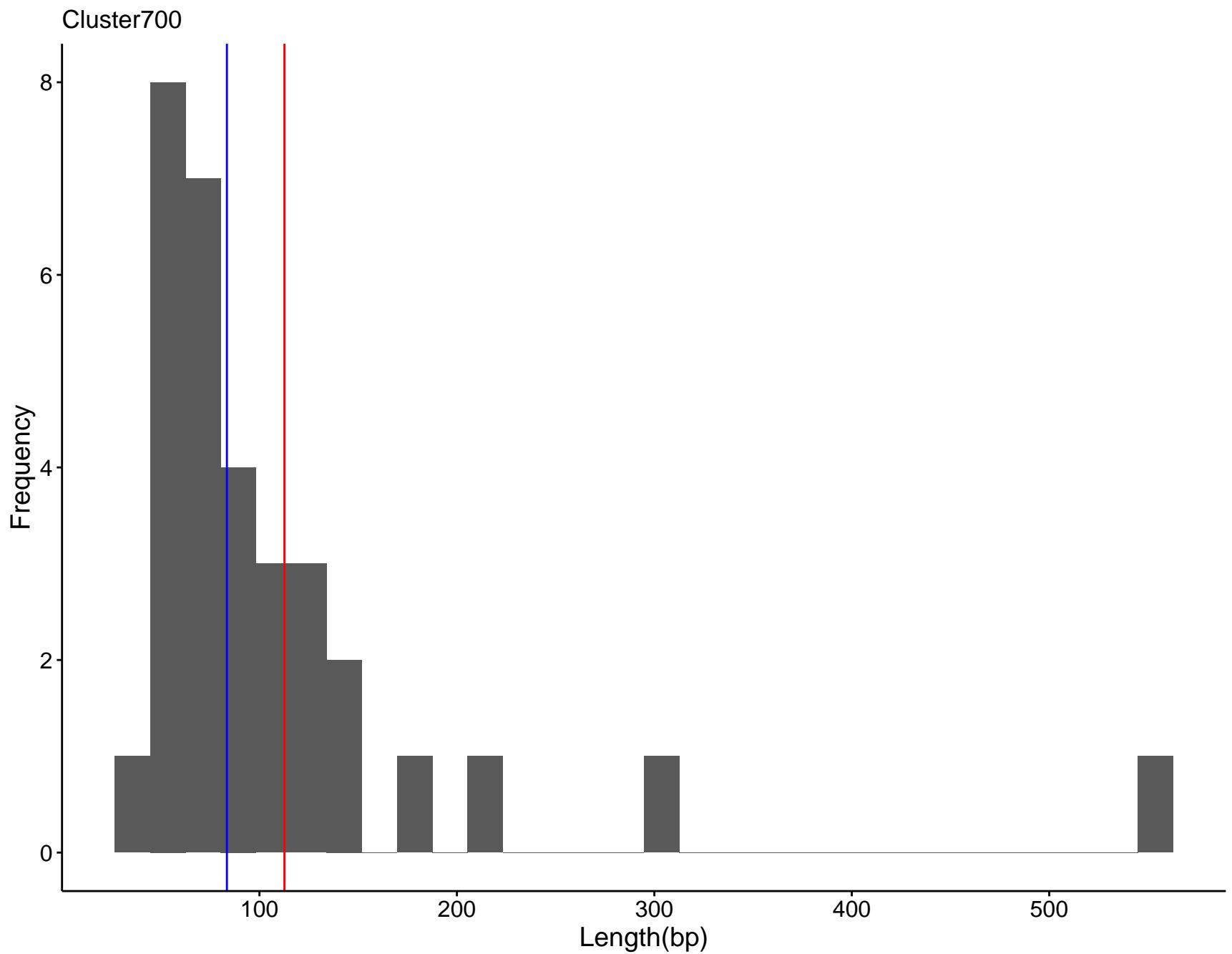
190.050

Length(bp)

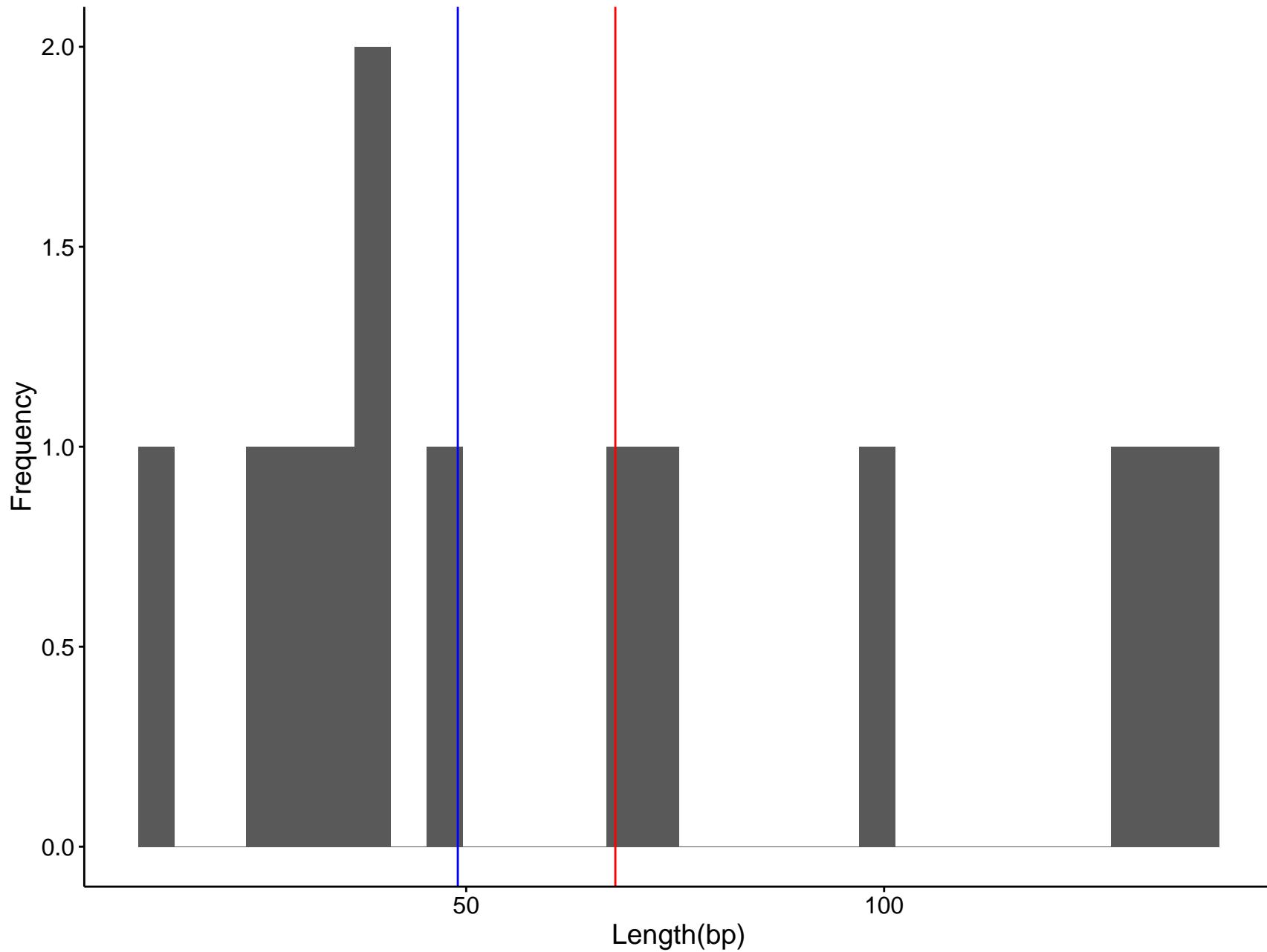


Cluster69

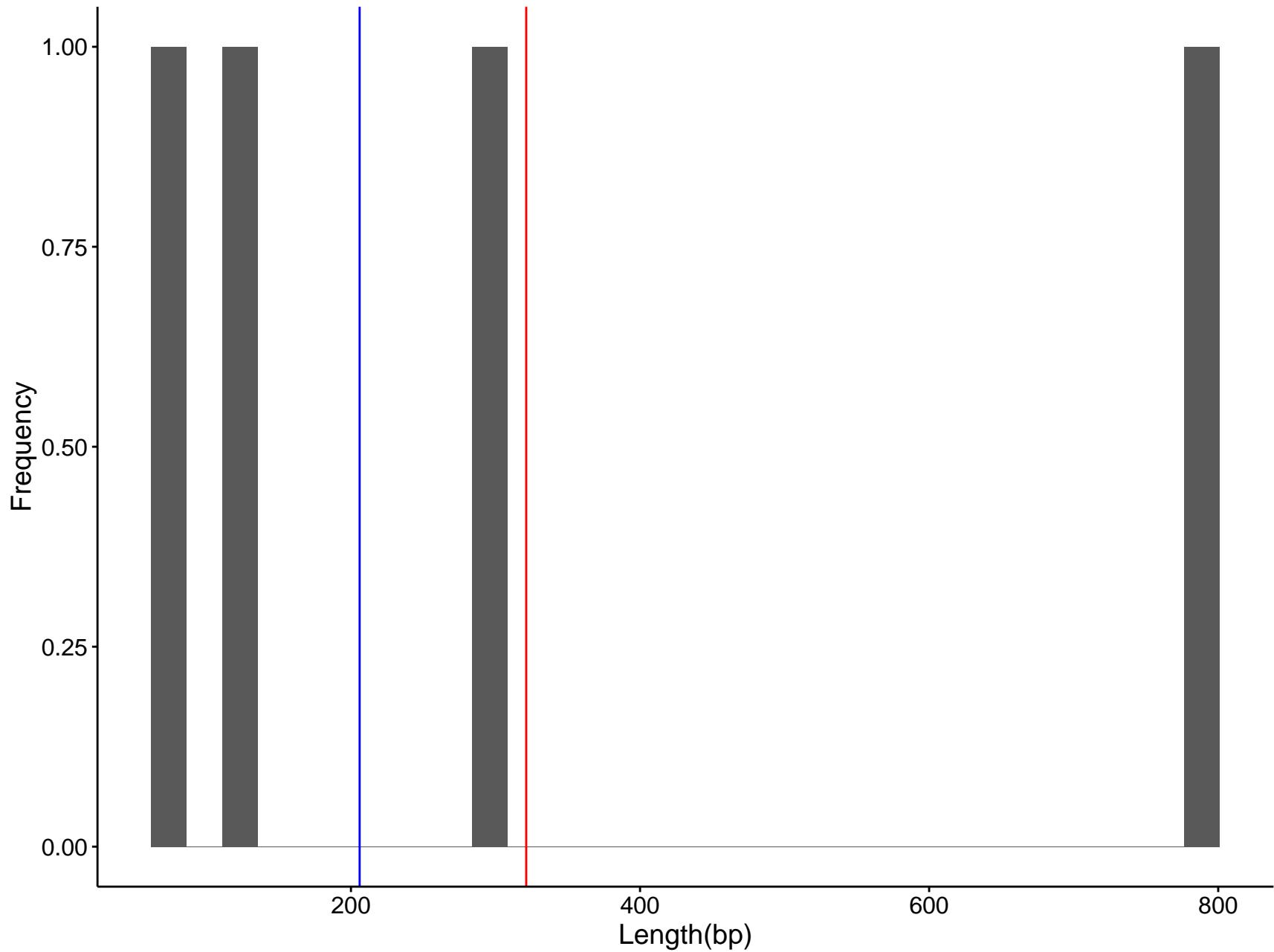




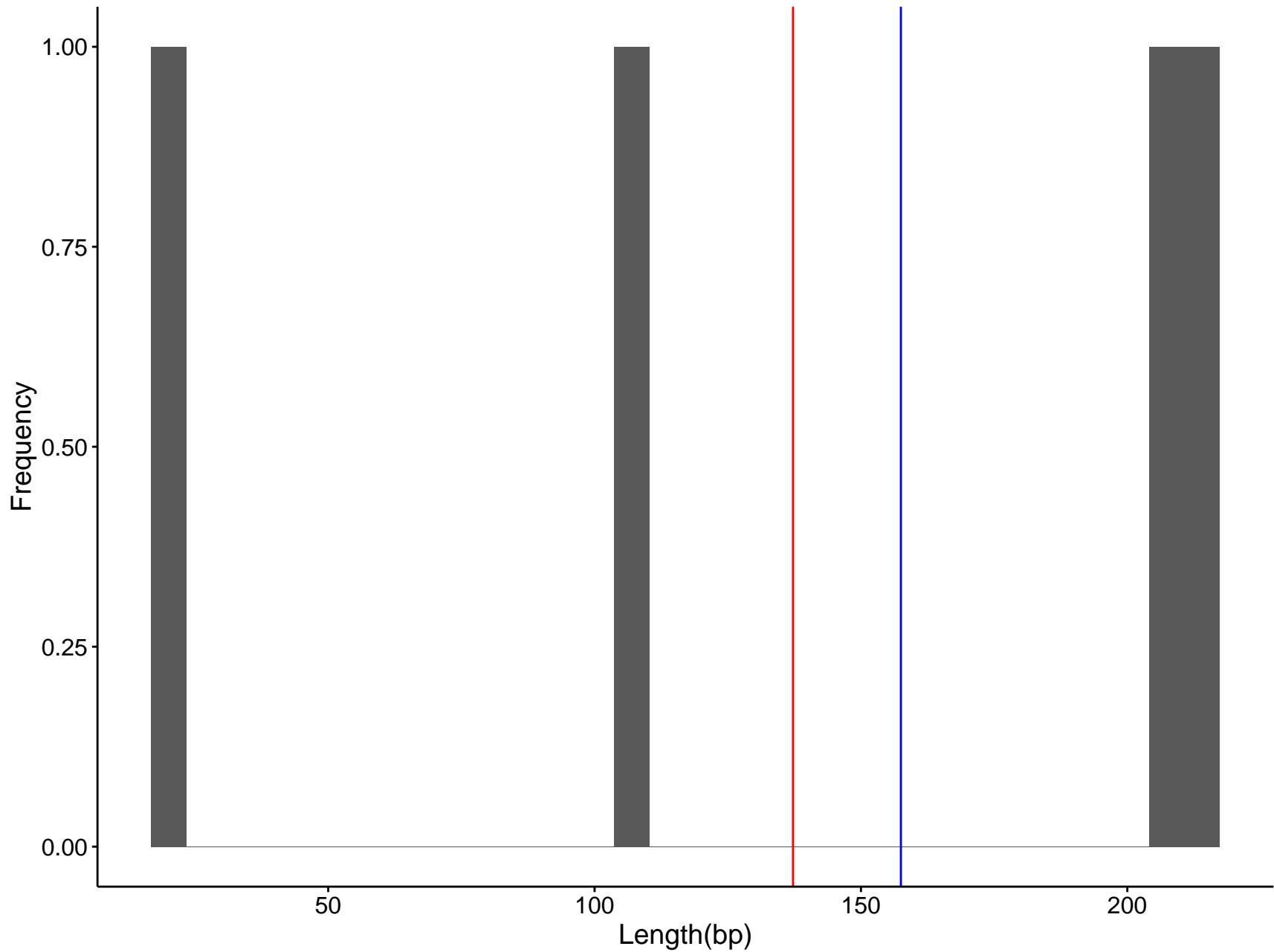
Cluster702



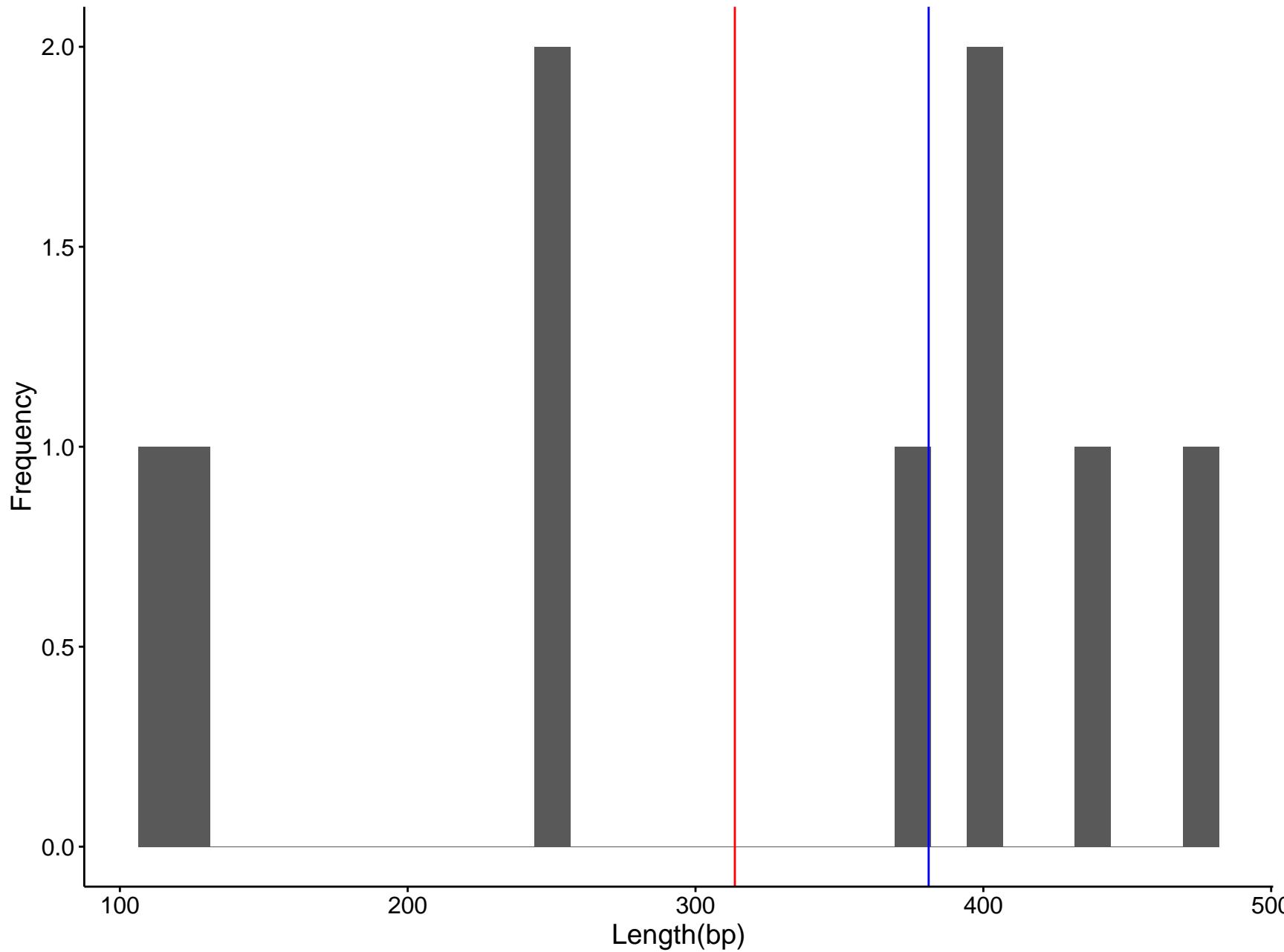
Cluster703



Cluster706



Cluster70



# Cluster710

Frequency

119.950

119.975

120.000

120.025

120.050

Length(bp)



# Cluster715

Frequency

111.950

111.975

112.000

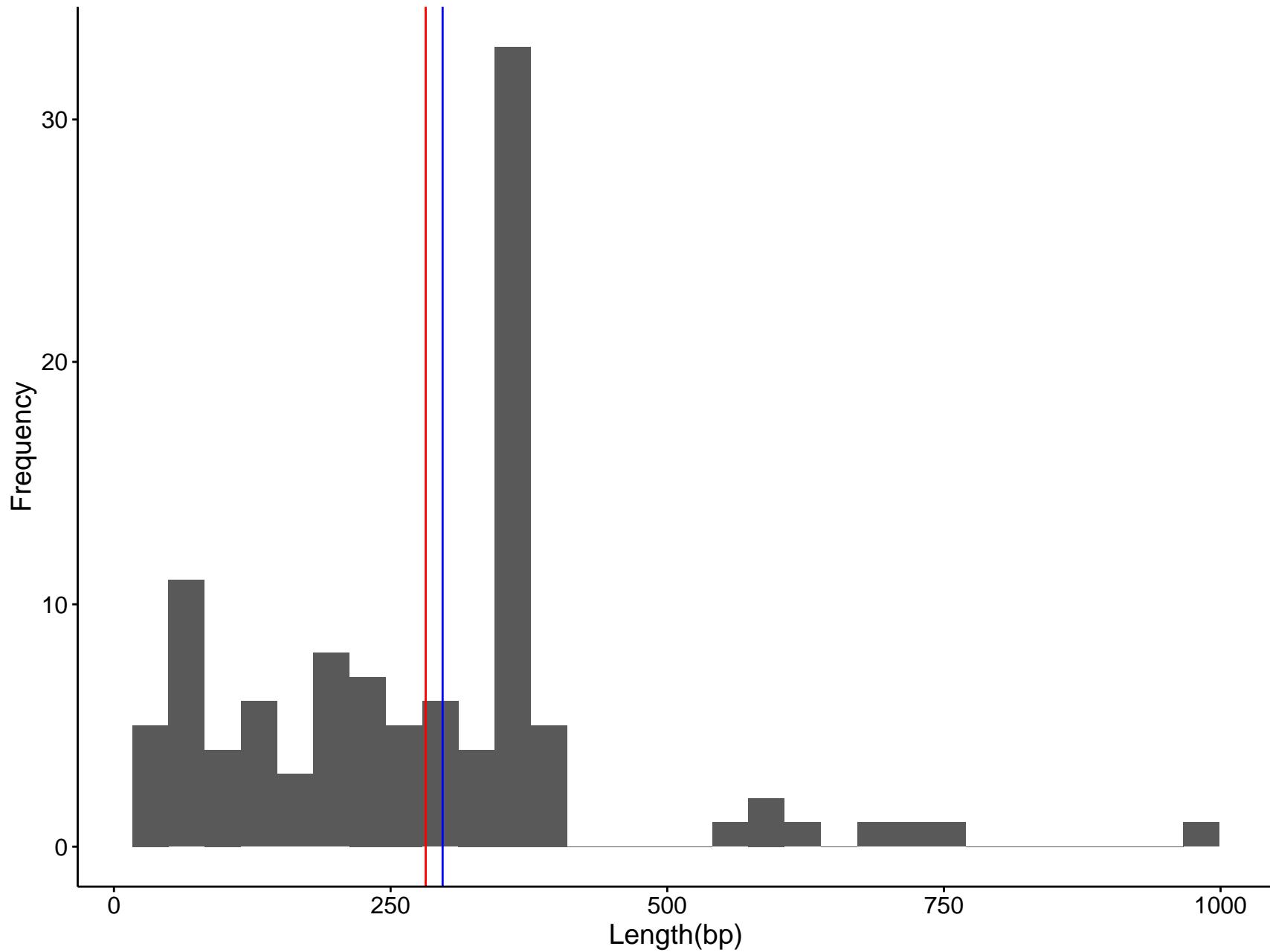
112.025

112.050

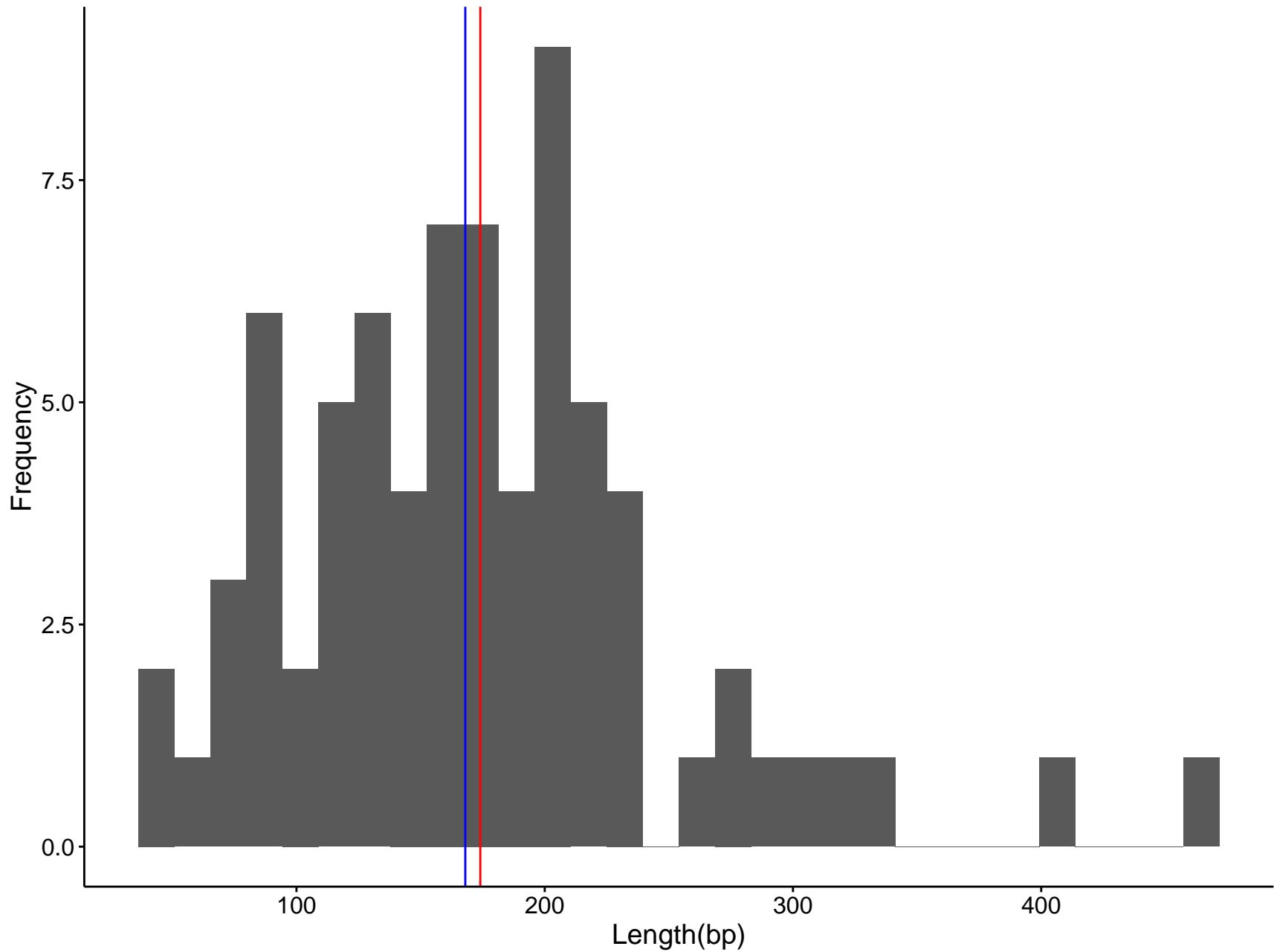
Length(bp)



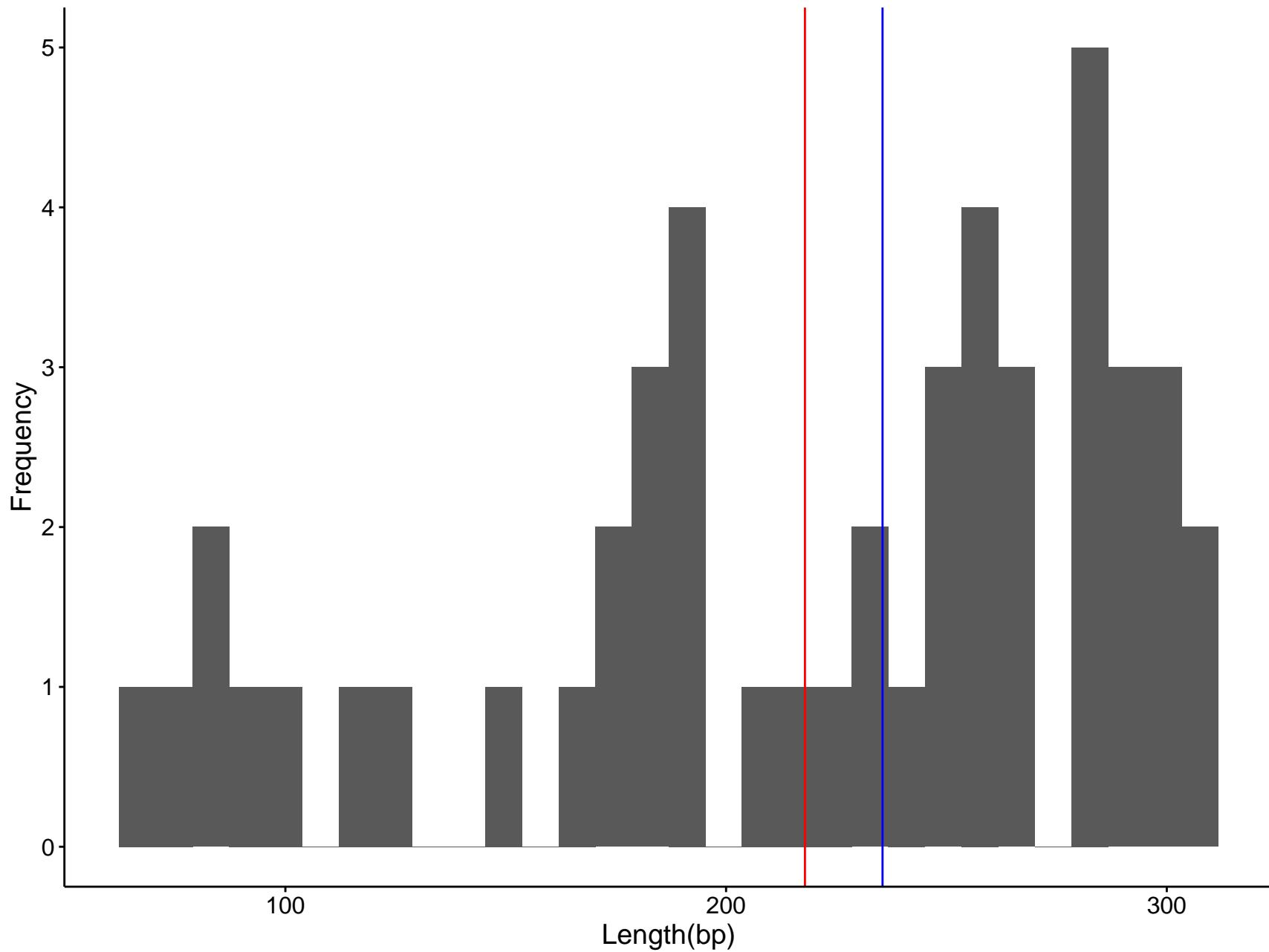
Cluster717



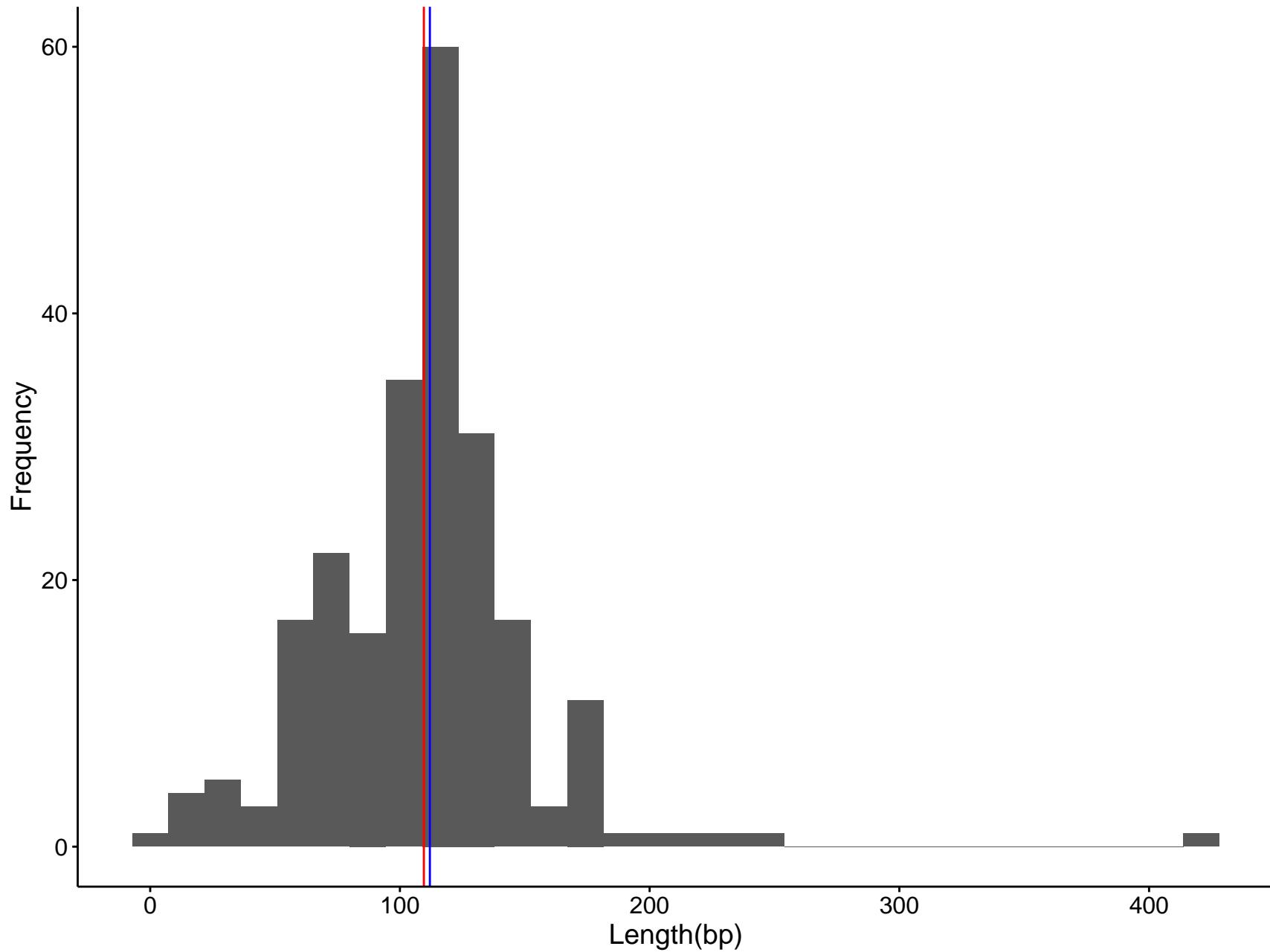
Cluster718



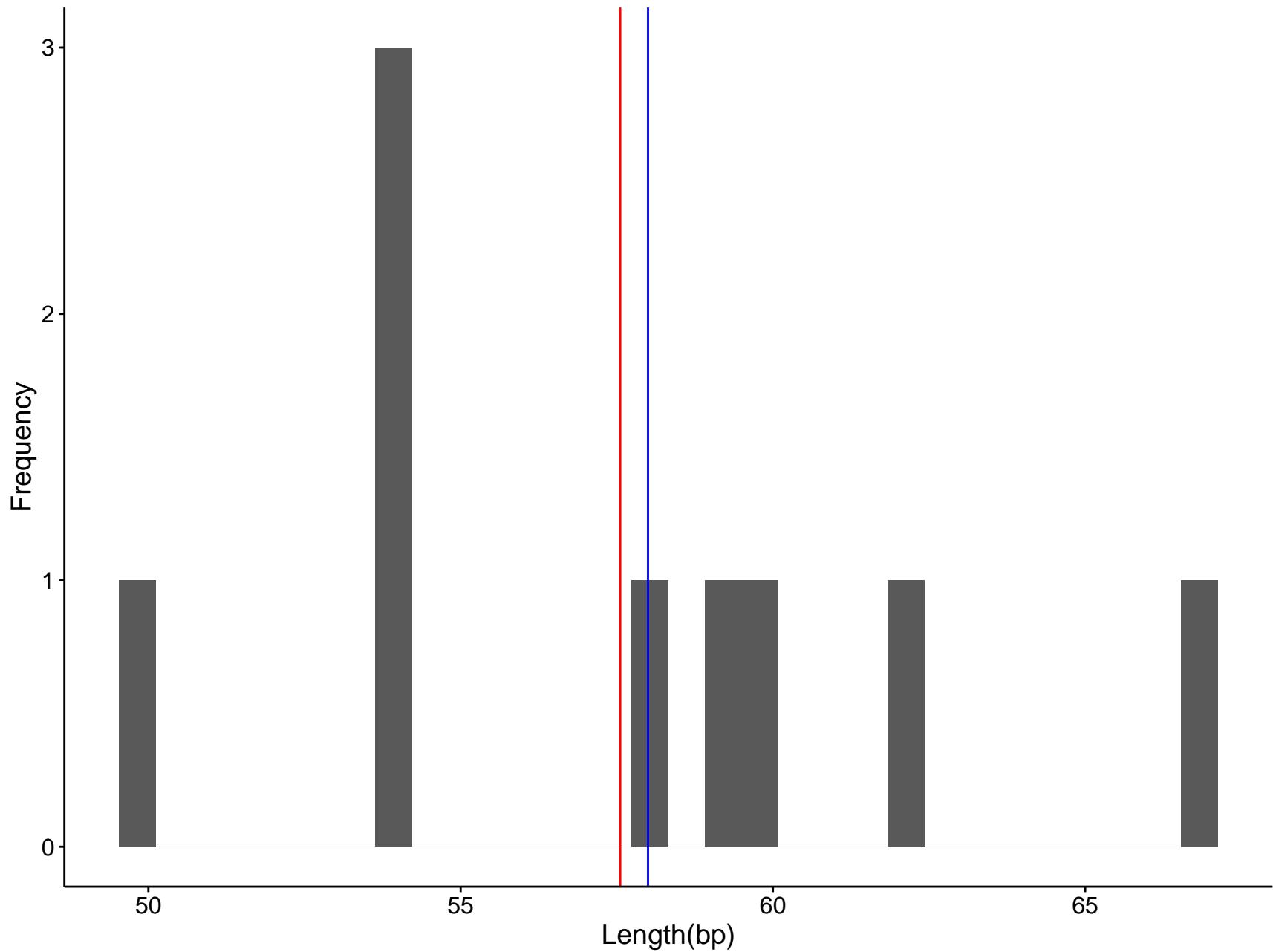
Cluster71



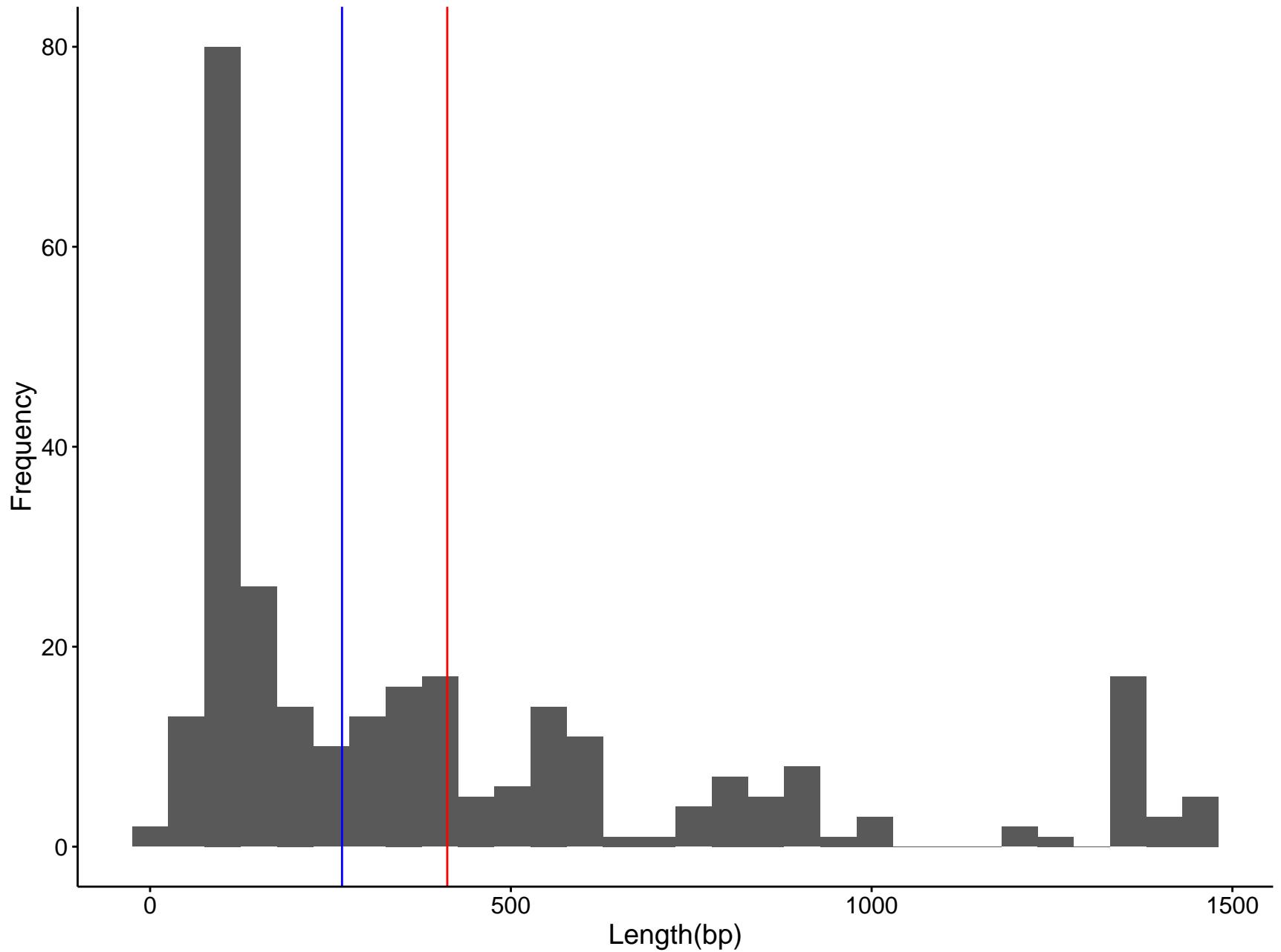
Cluster720



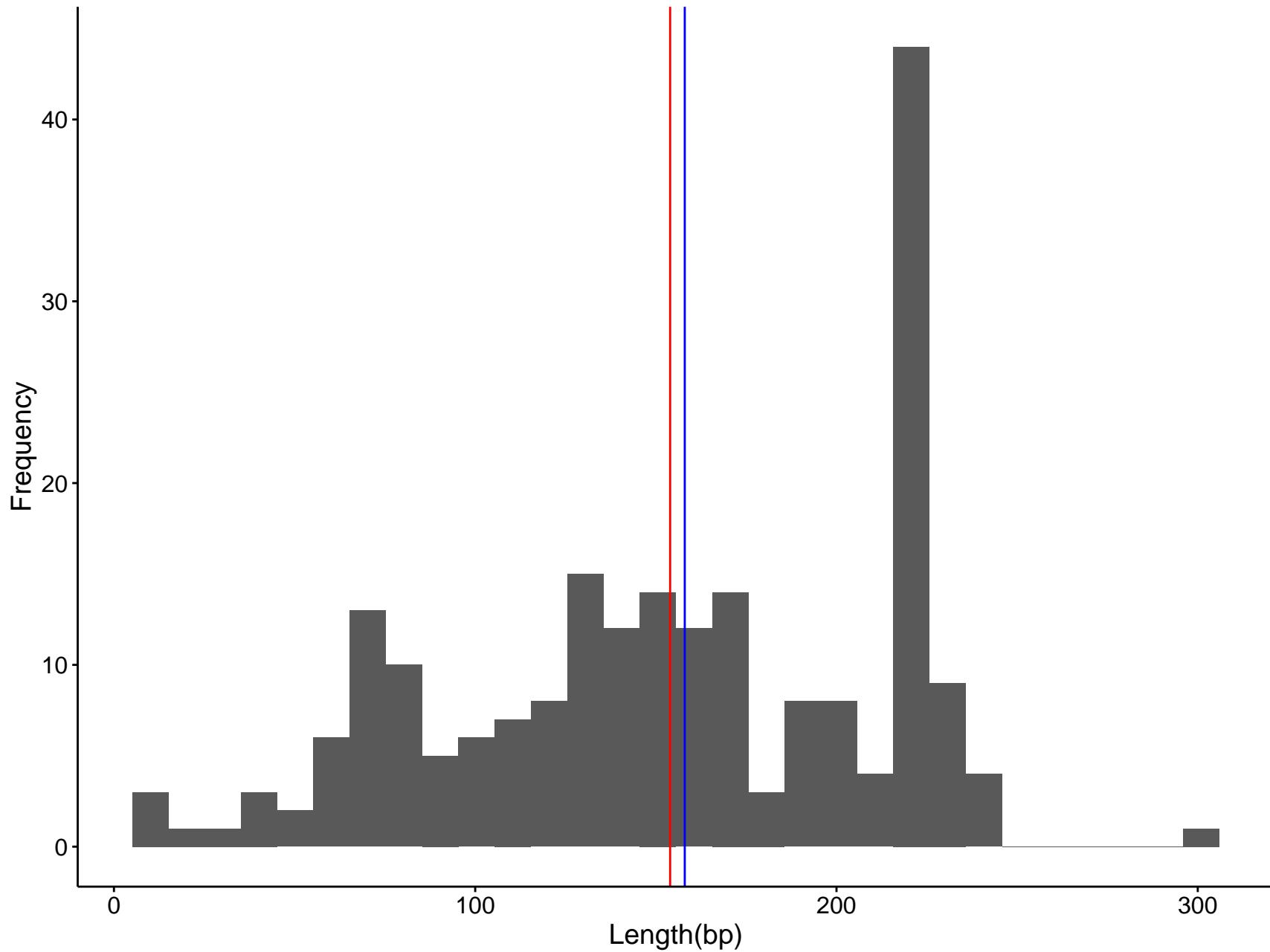
Cluster721



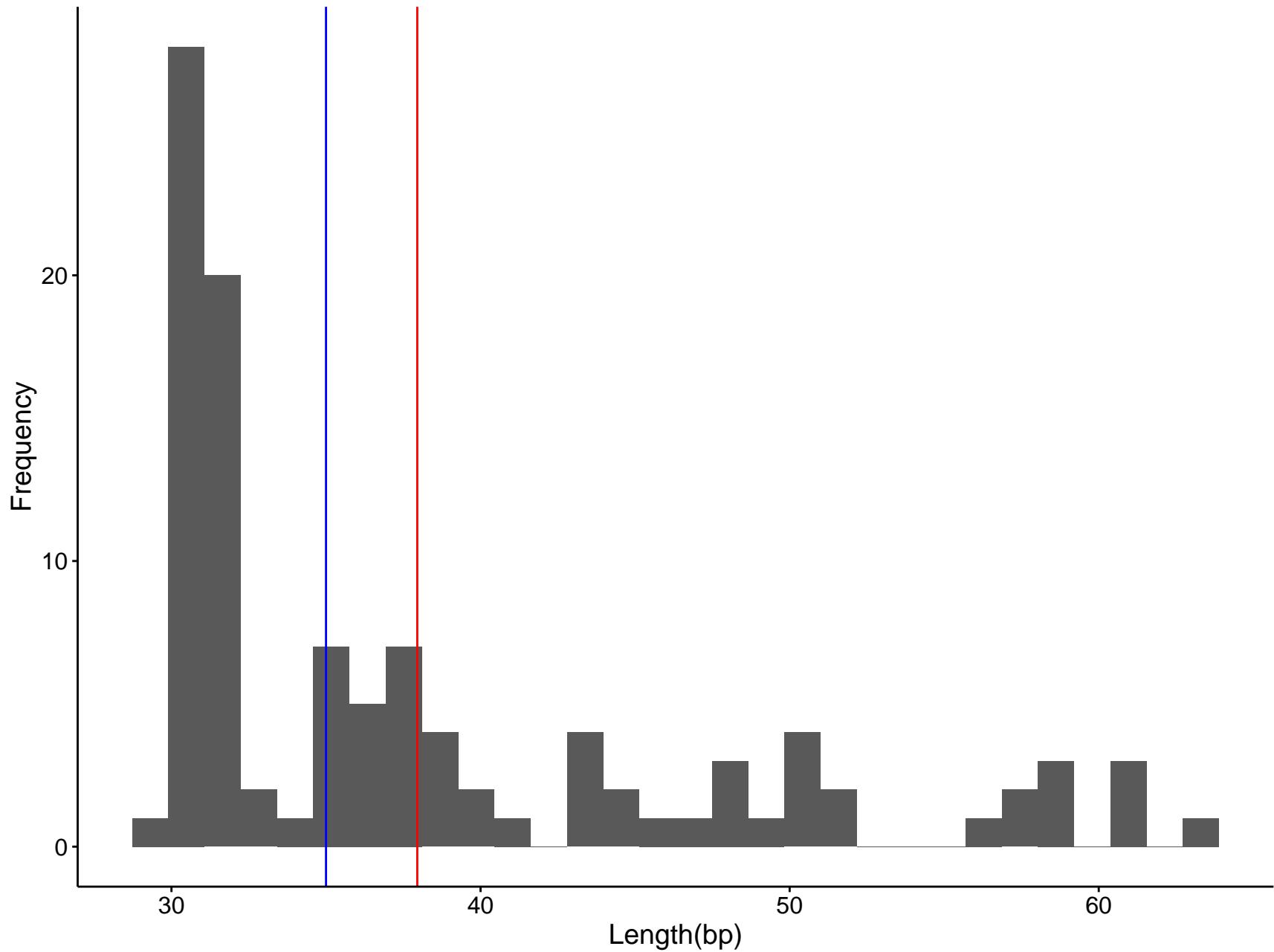
Cluster722



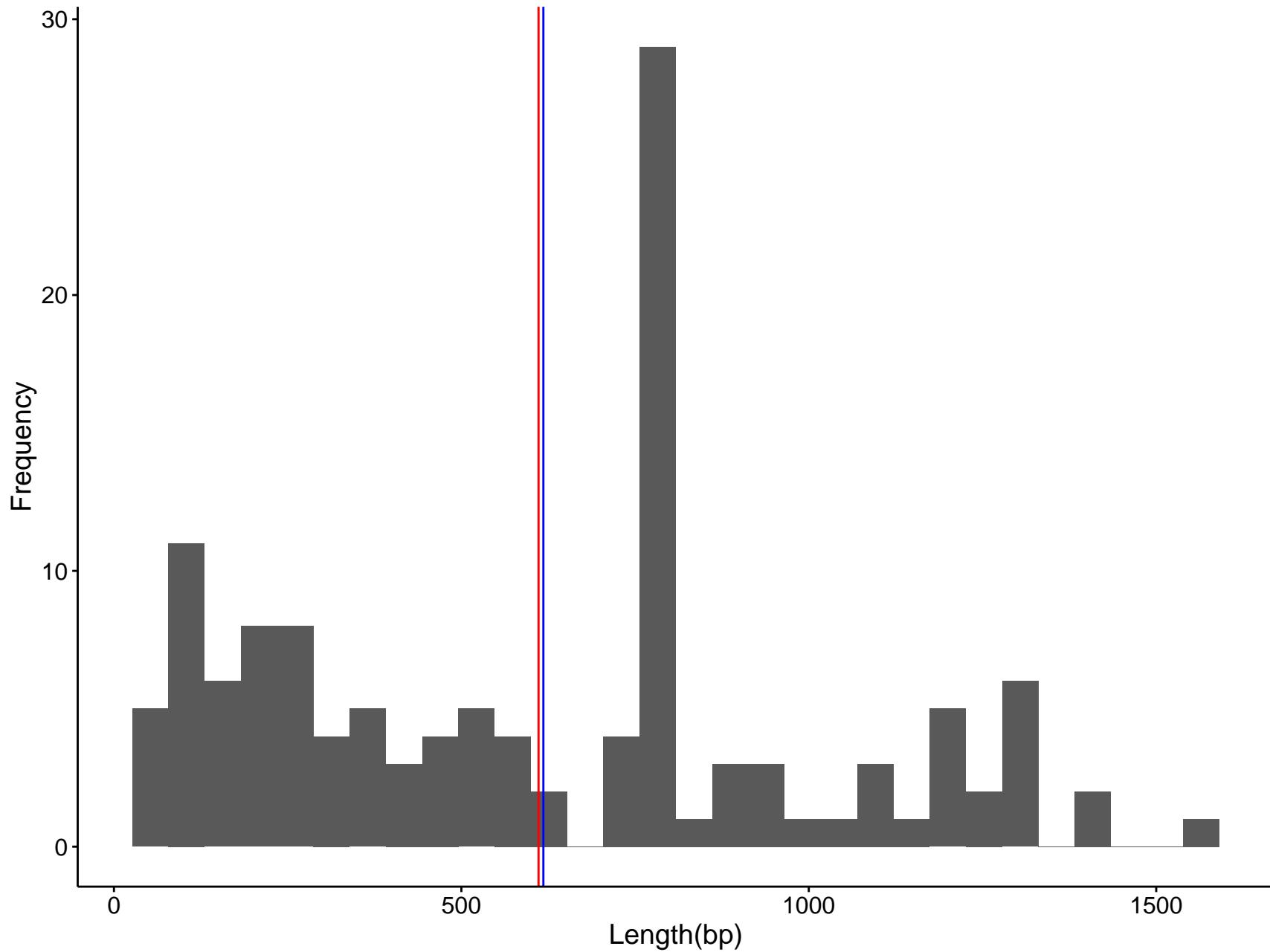
Cluster724



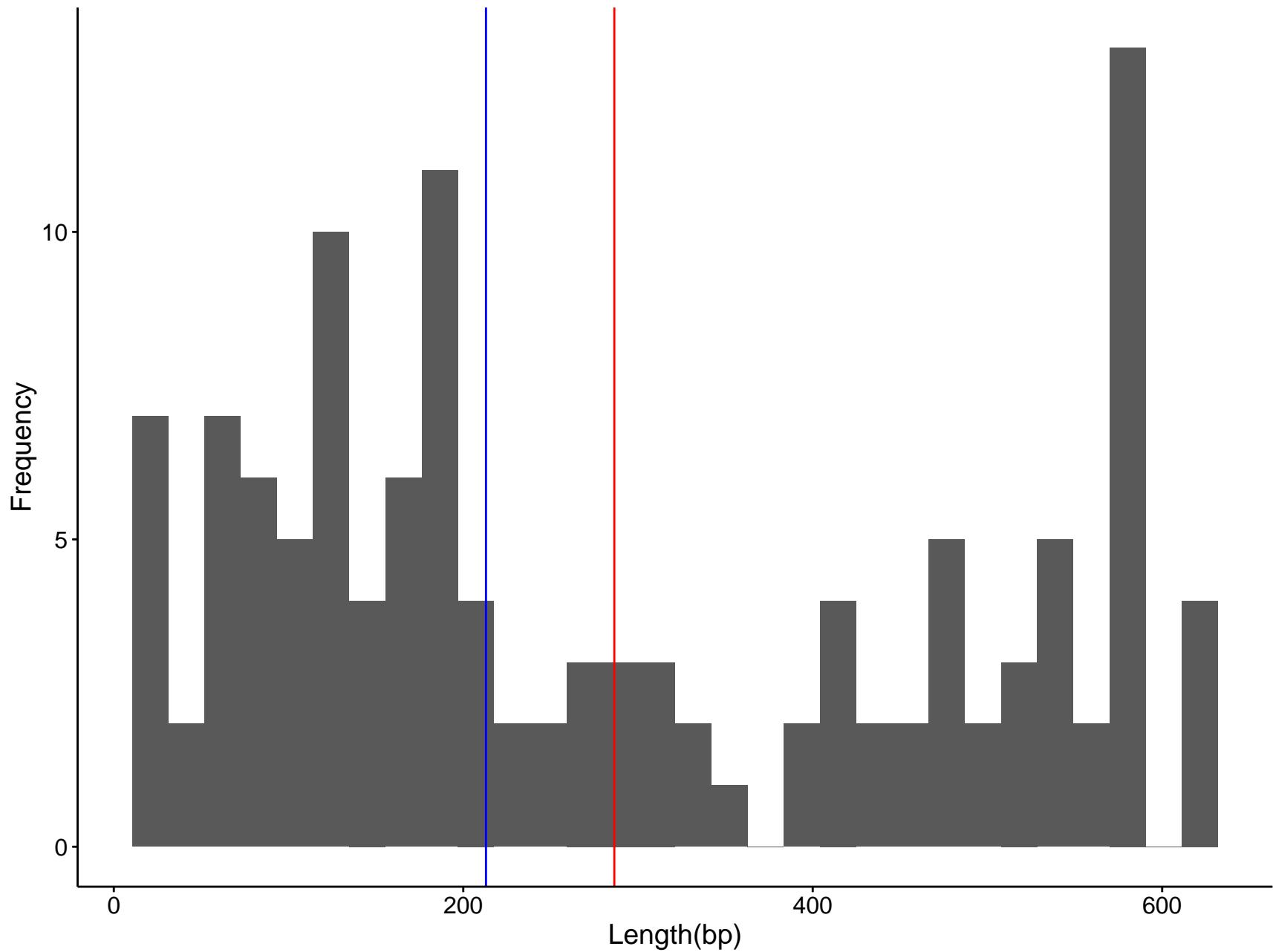
Cluster725



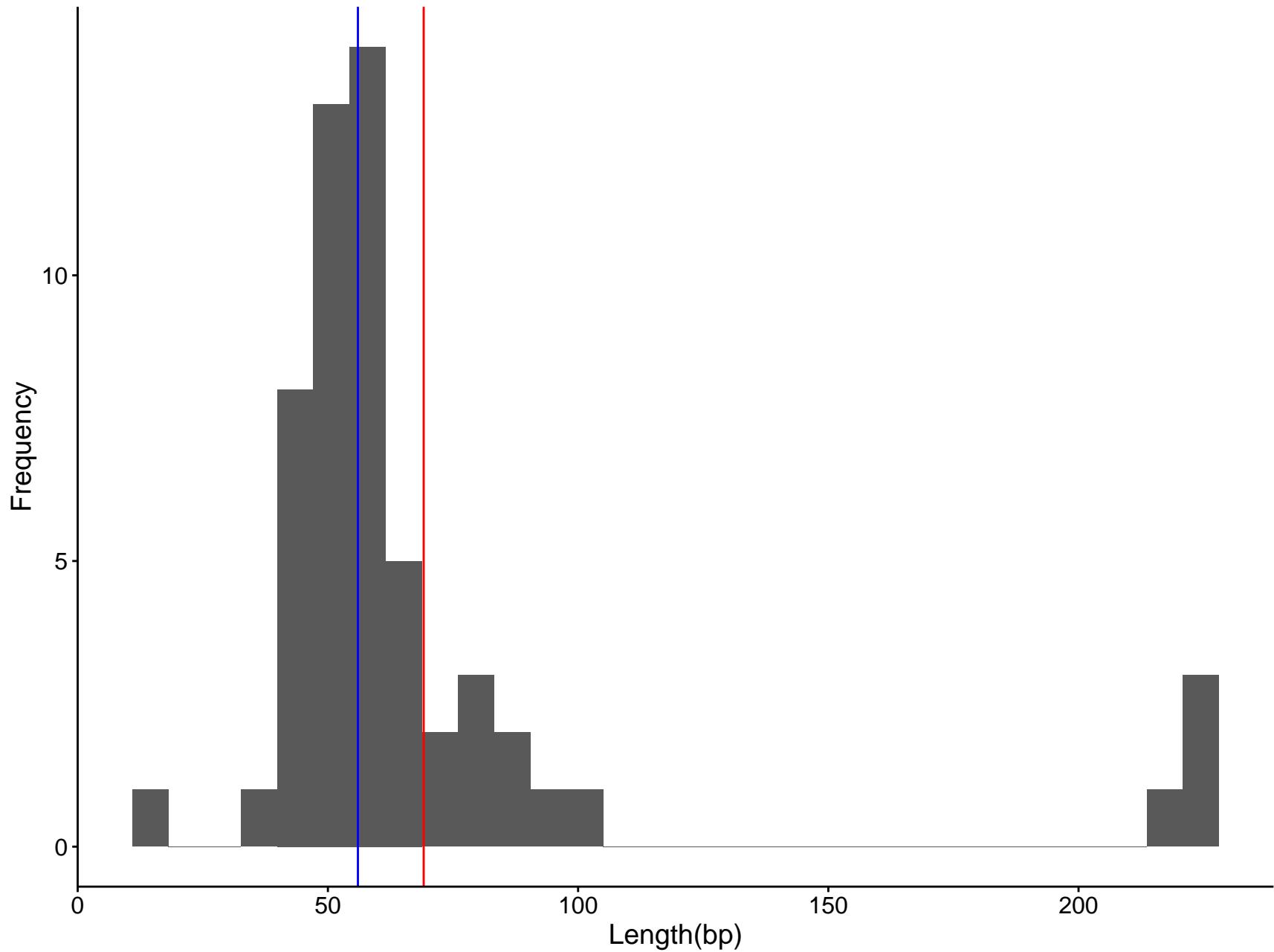
Cluster726



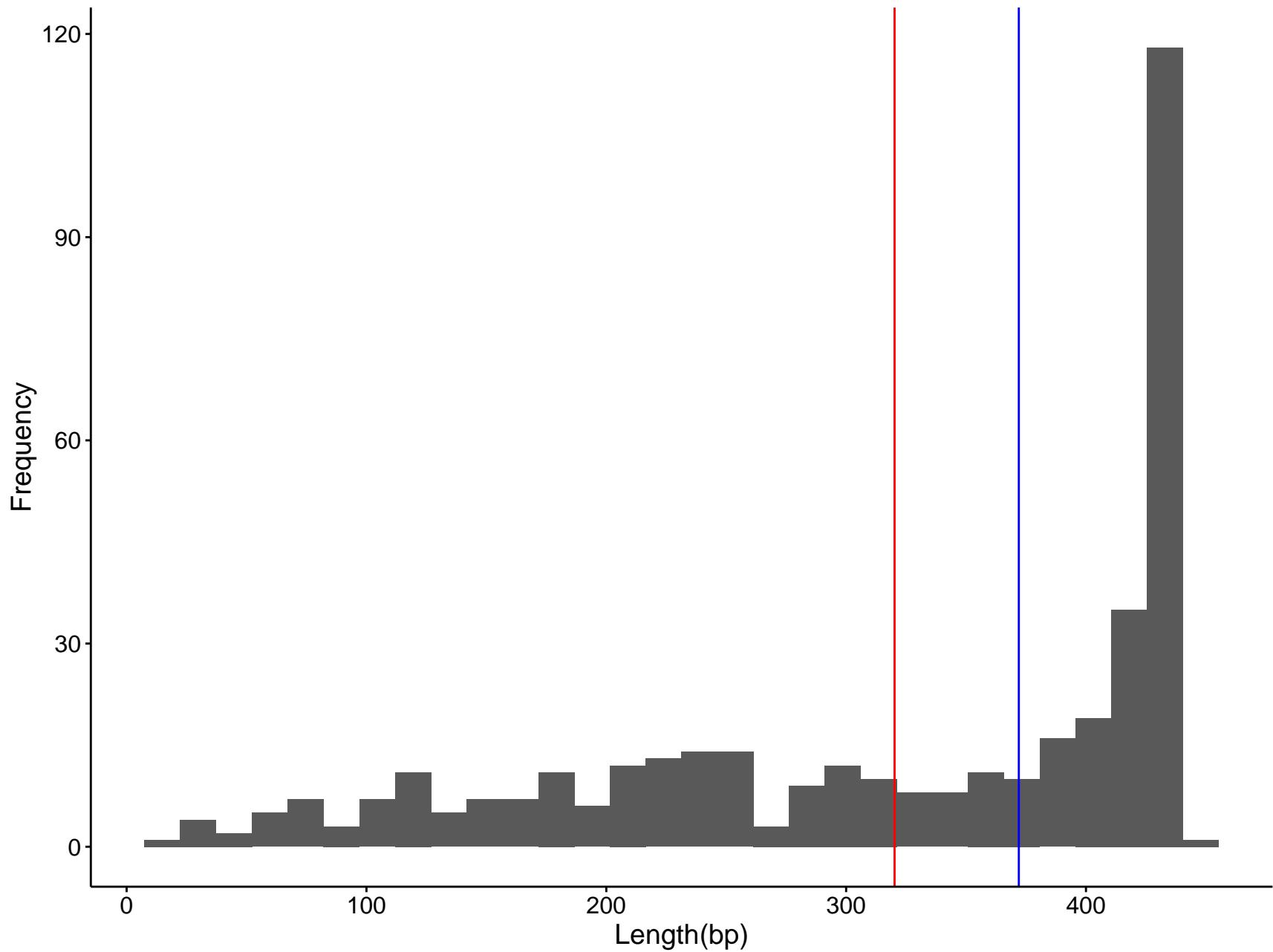
Cluster727



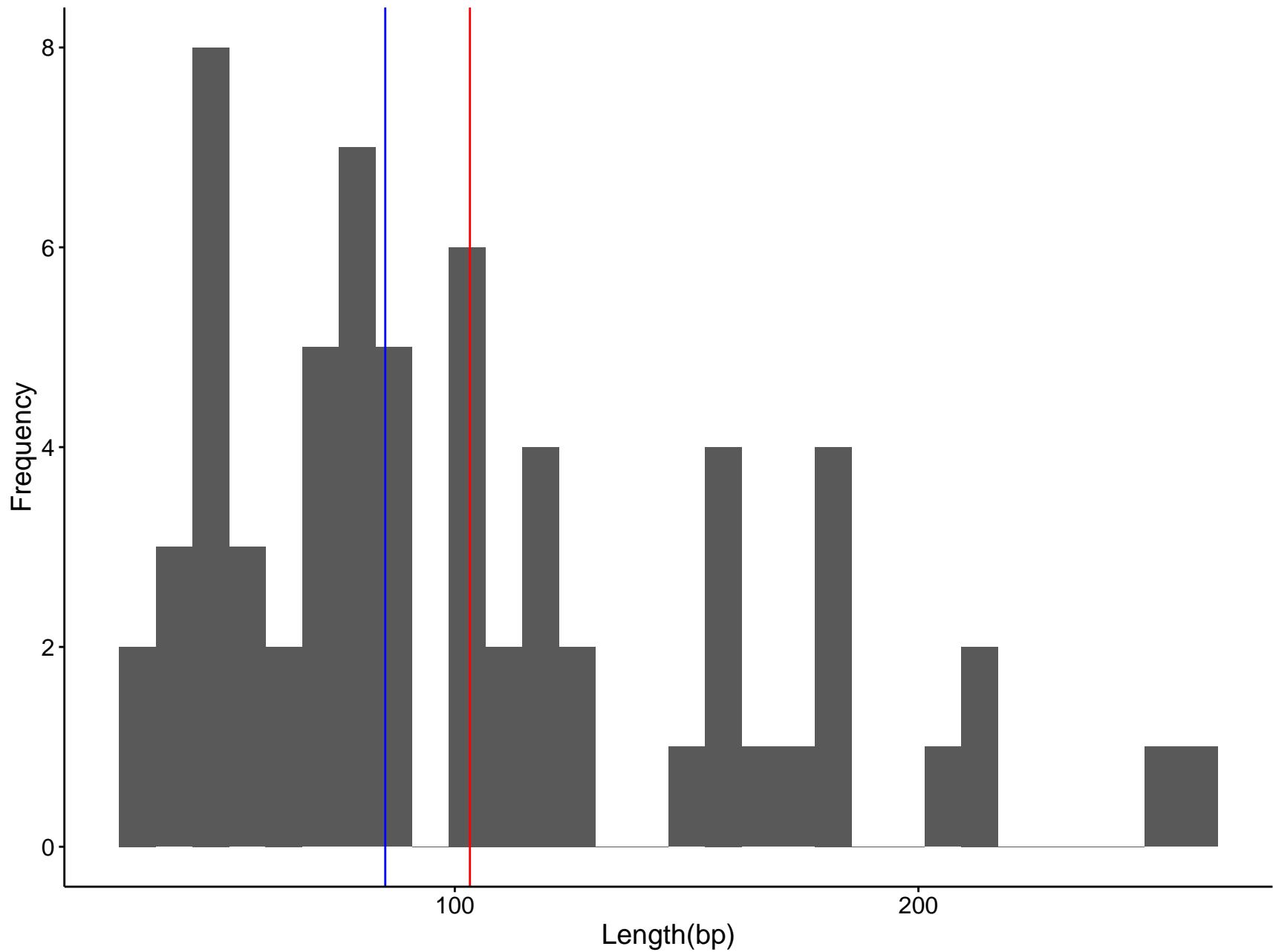
Cluster728



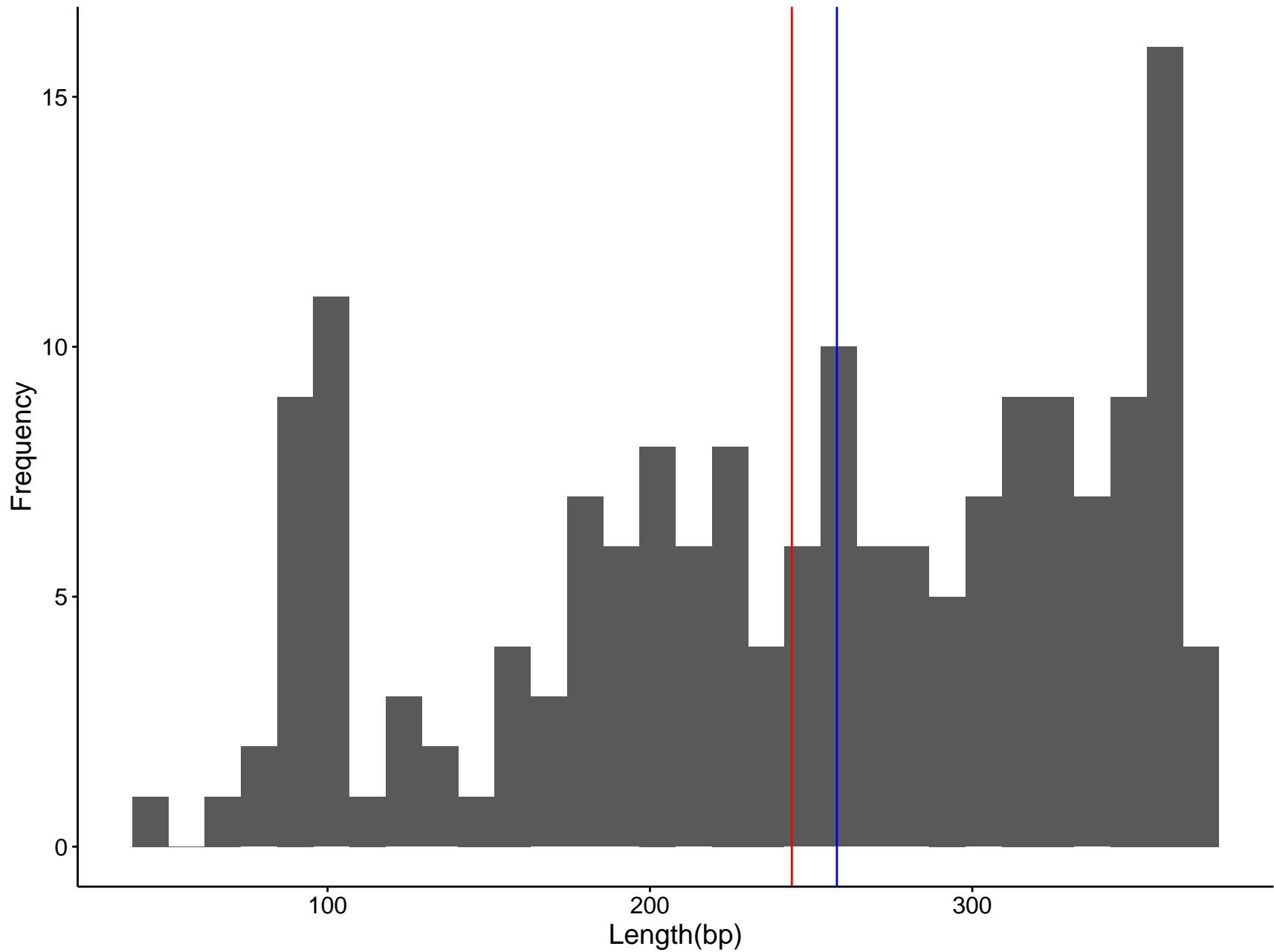
Cluster729



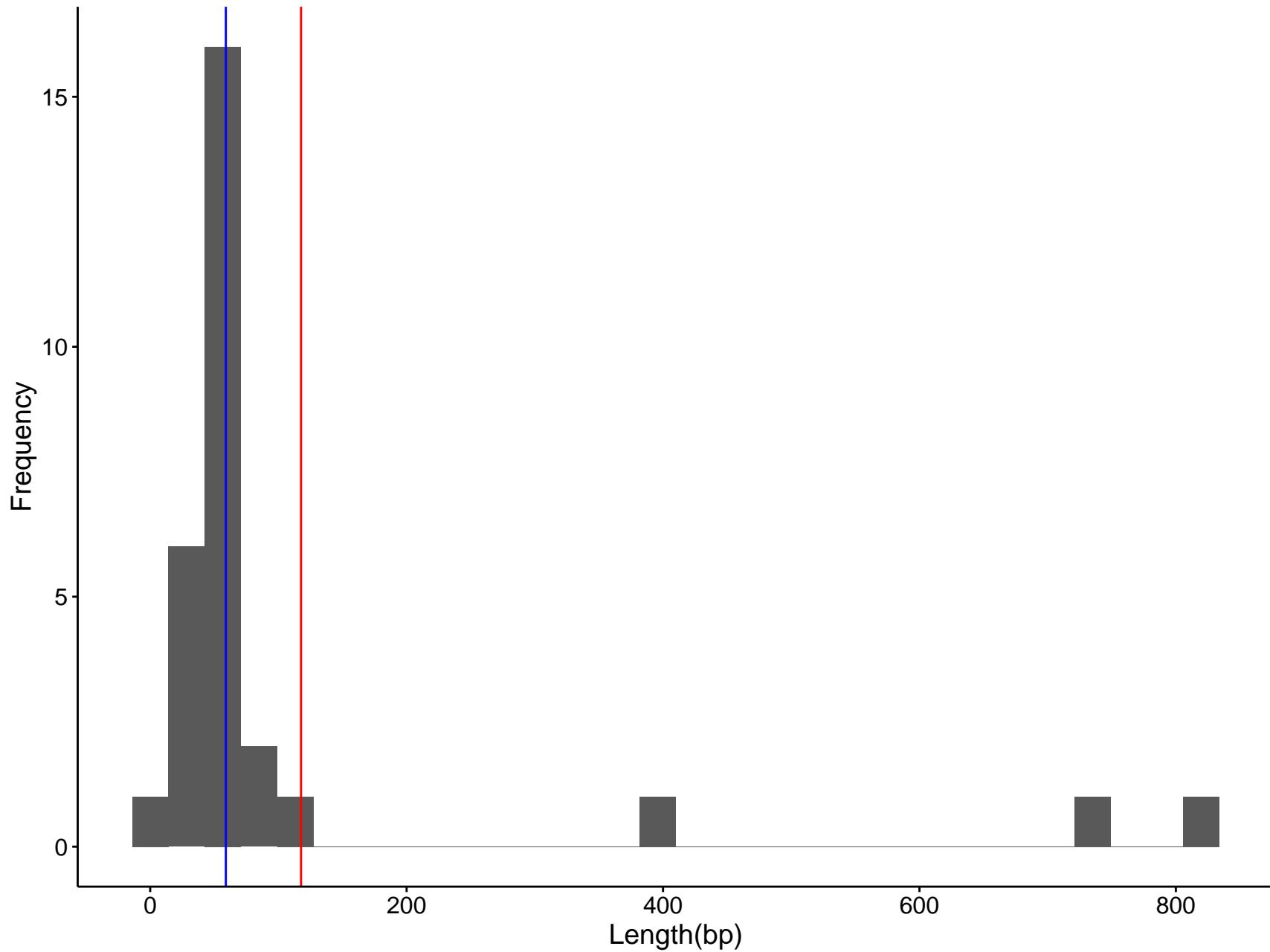
Cluster72



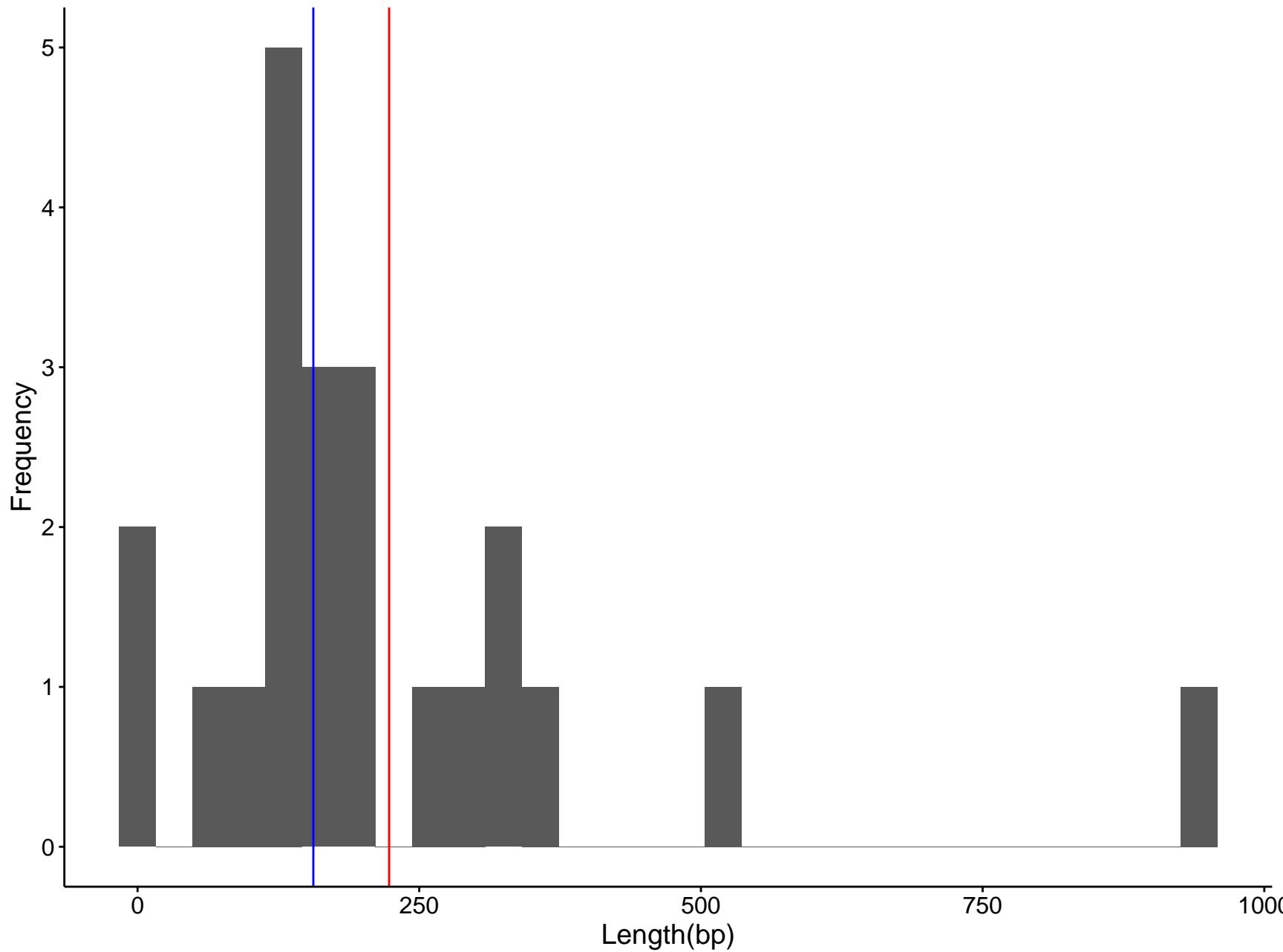
Cluster731



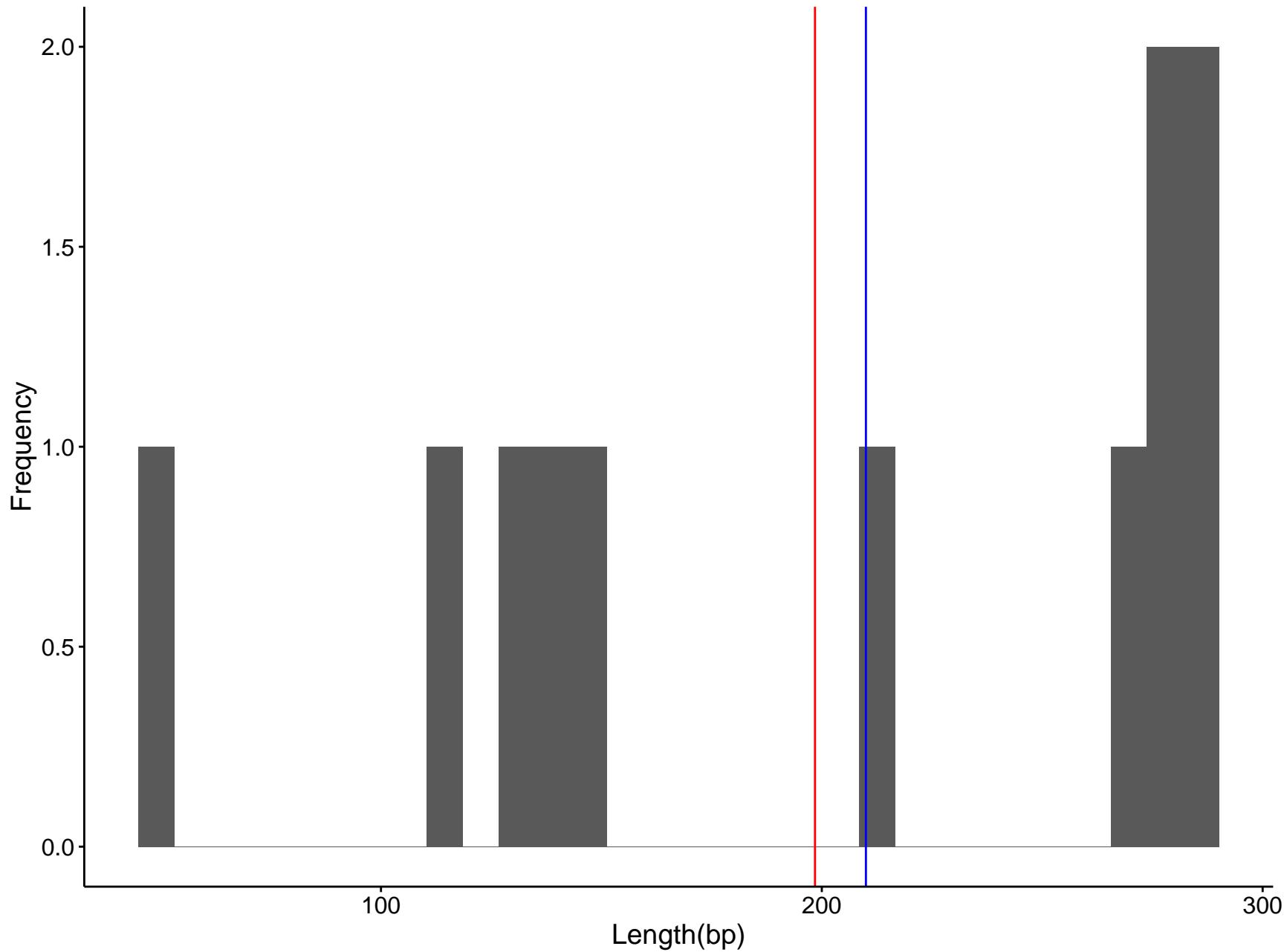
Cluster732



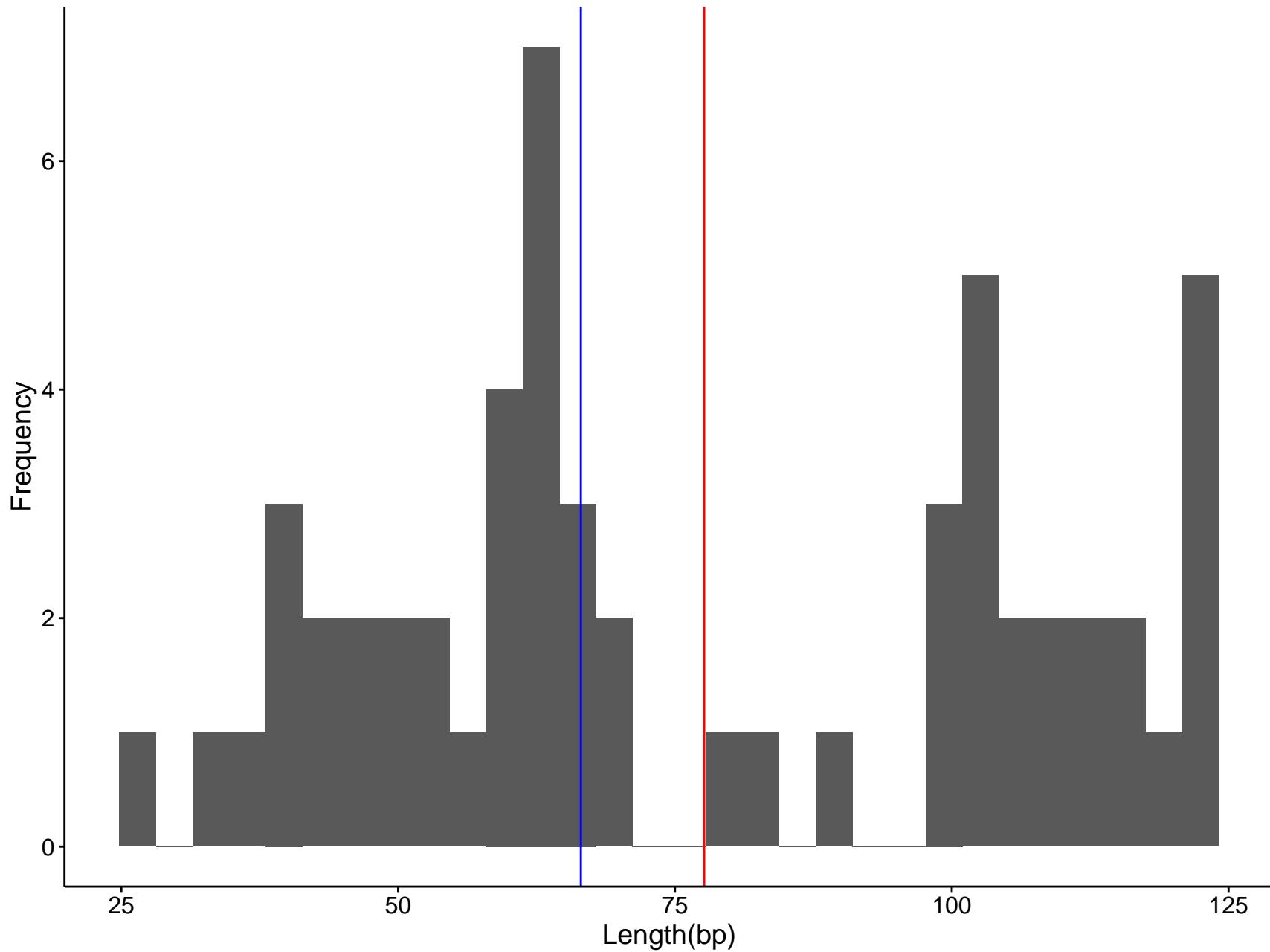
Cluster733



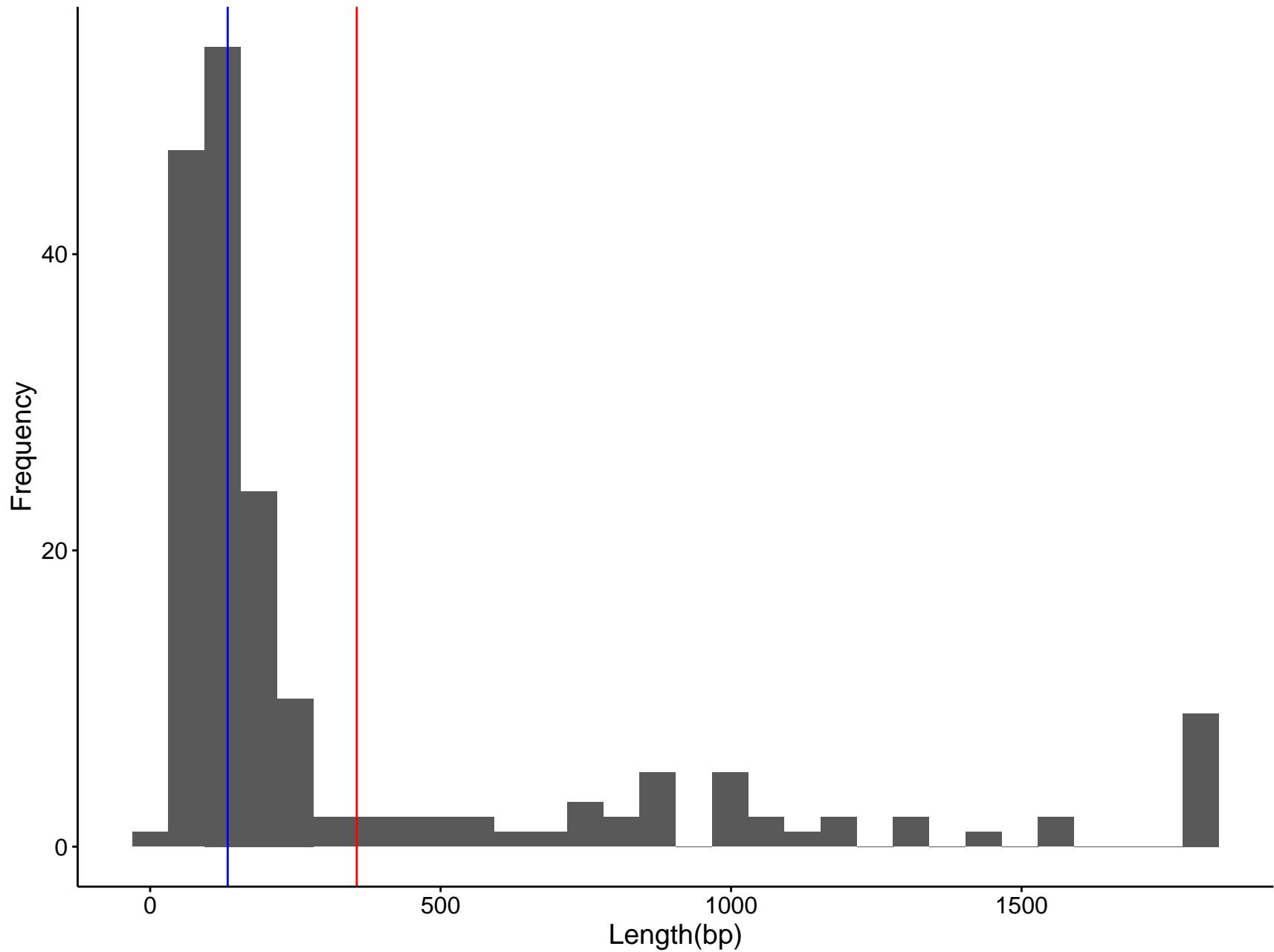
Cluster736



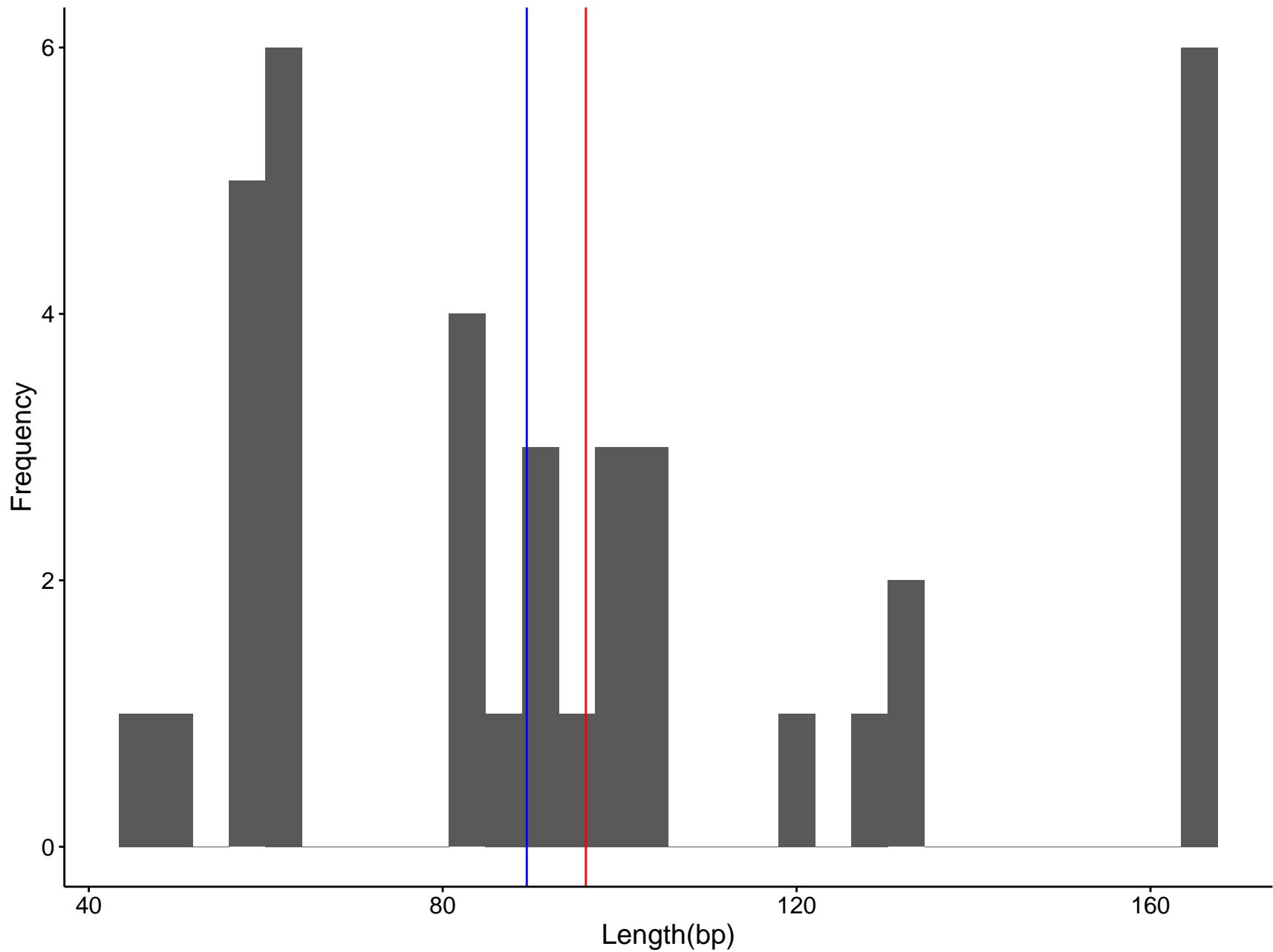
Cluster737



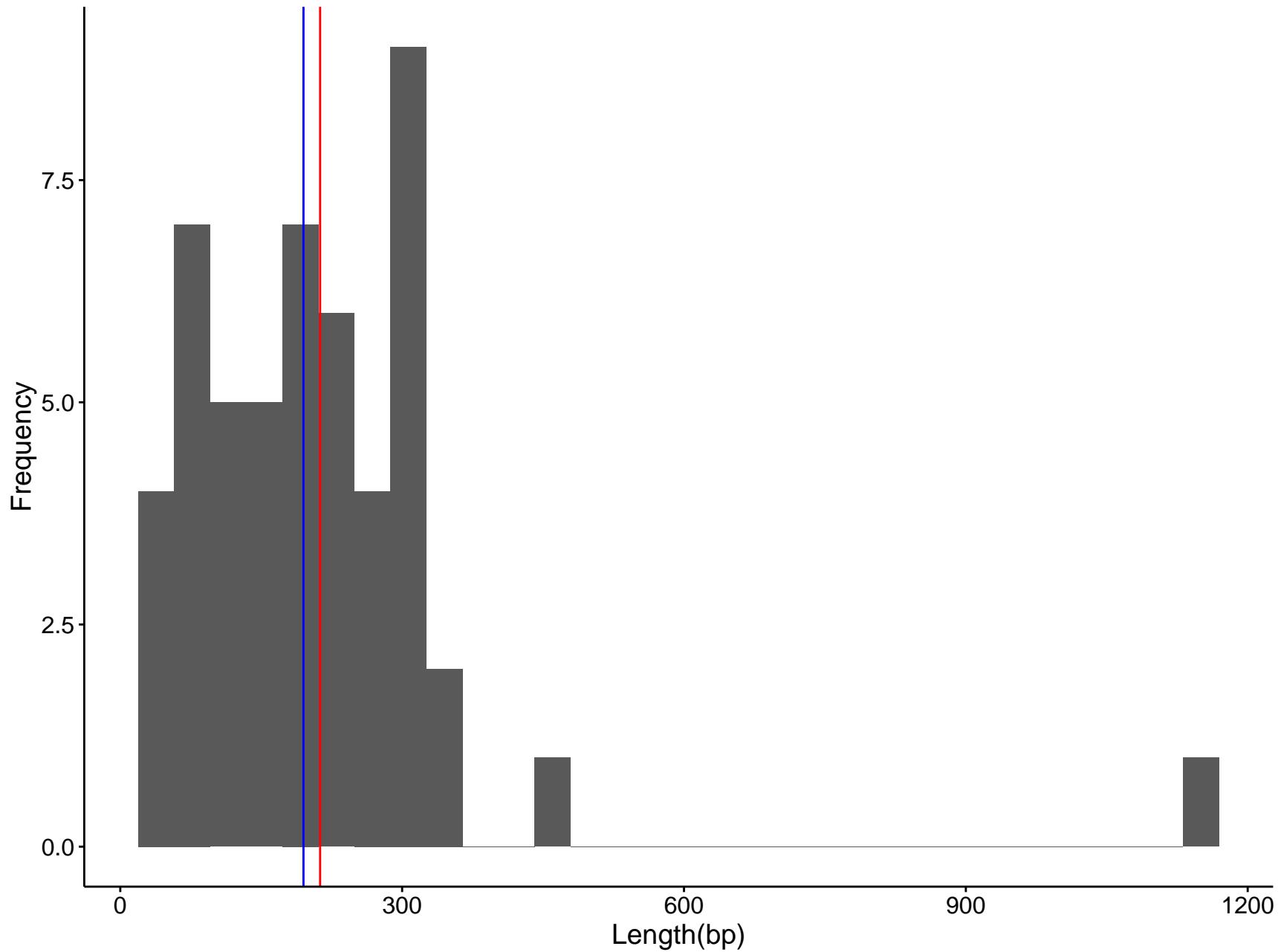
Cluster738



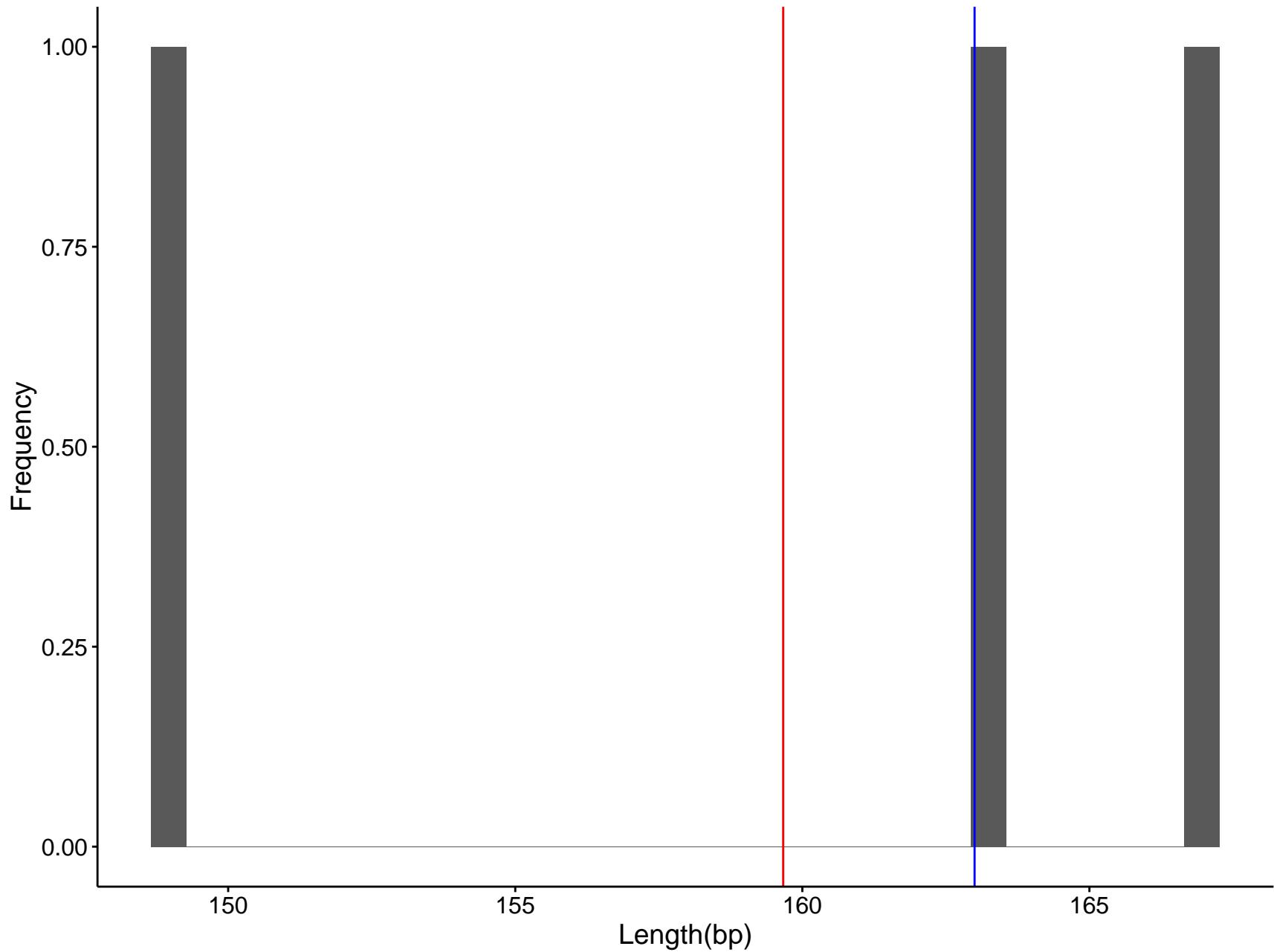
Cluster739



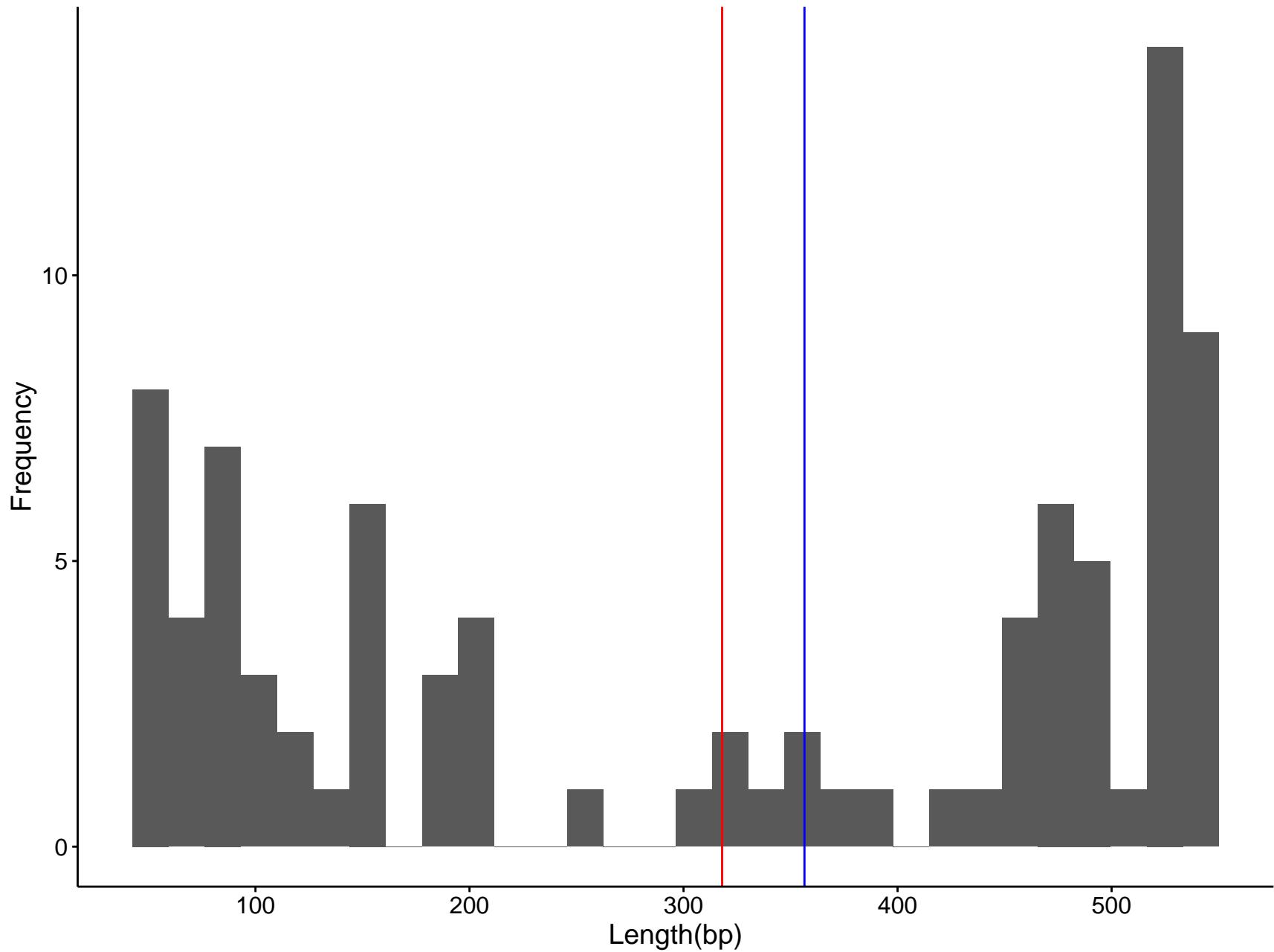
Cluster73



Cluster740



Cluster741



# Cluster742

Frequency

74.950

74.975

75.000

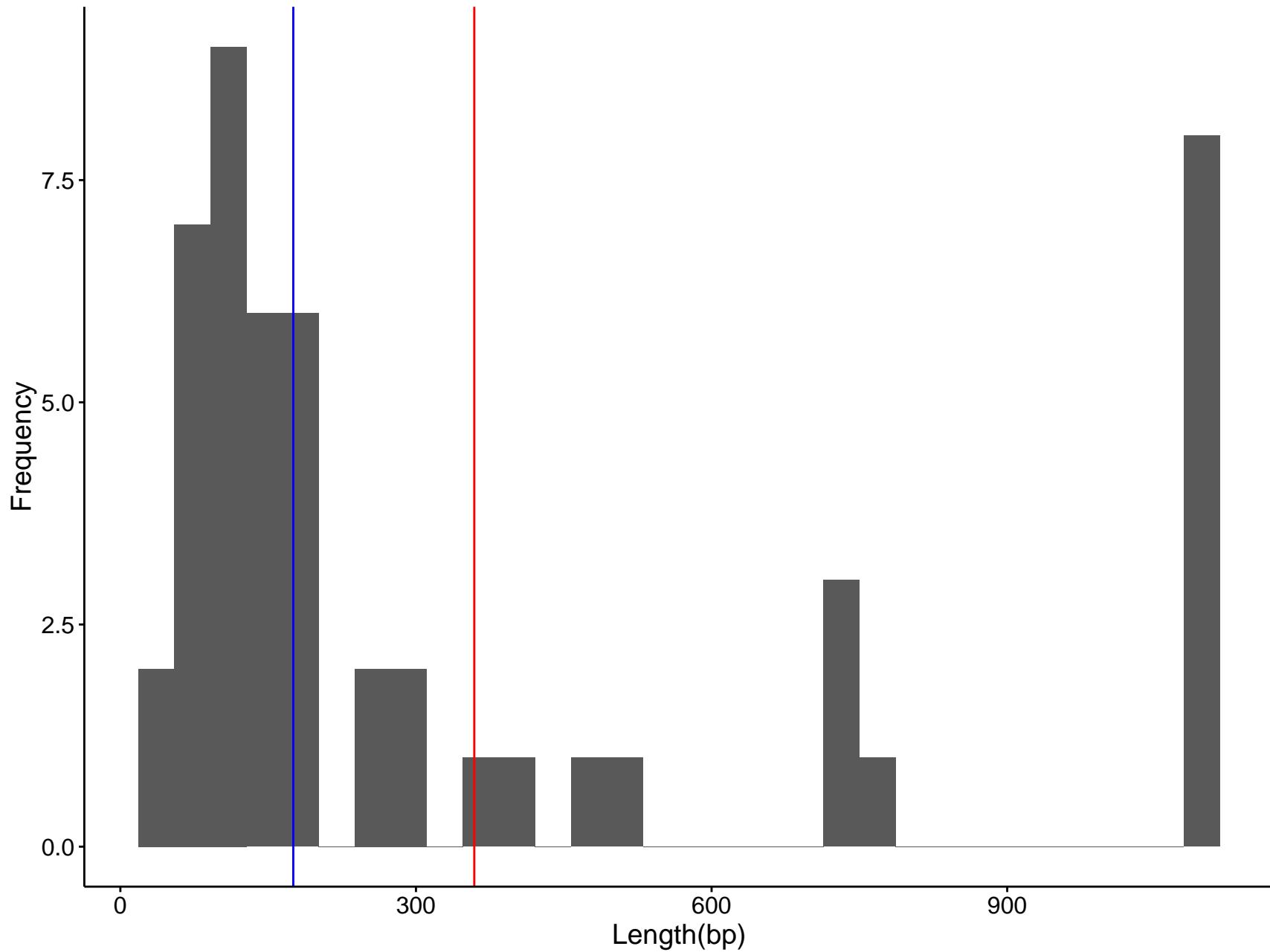
75.025

75.0

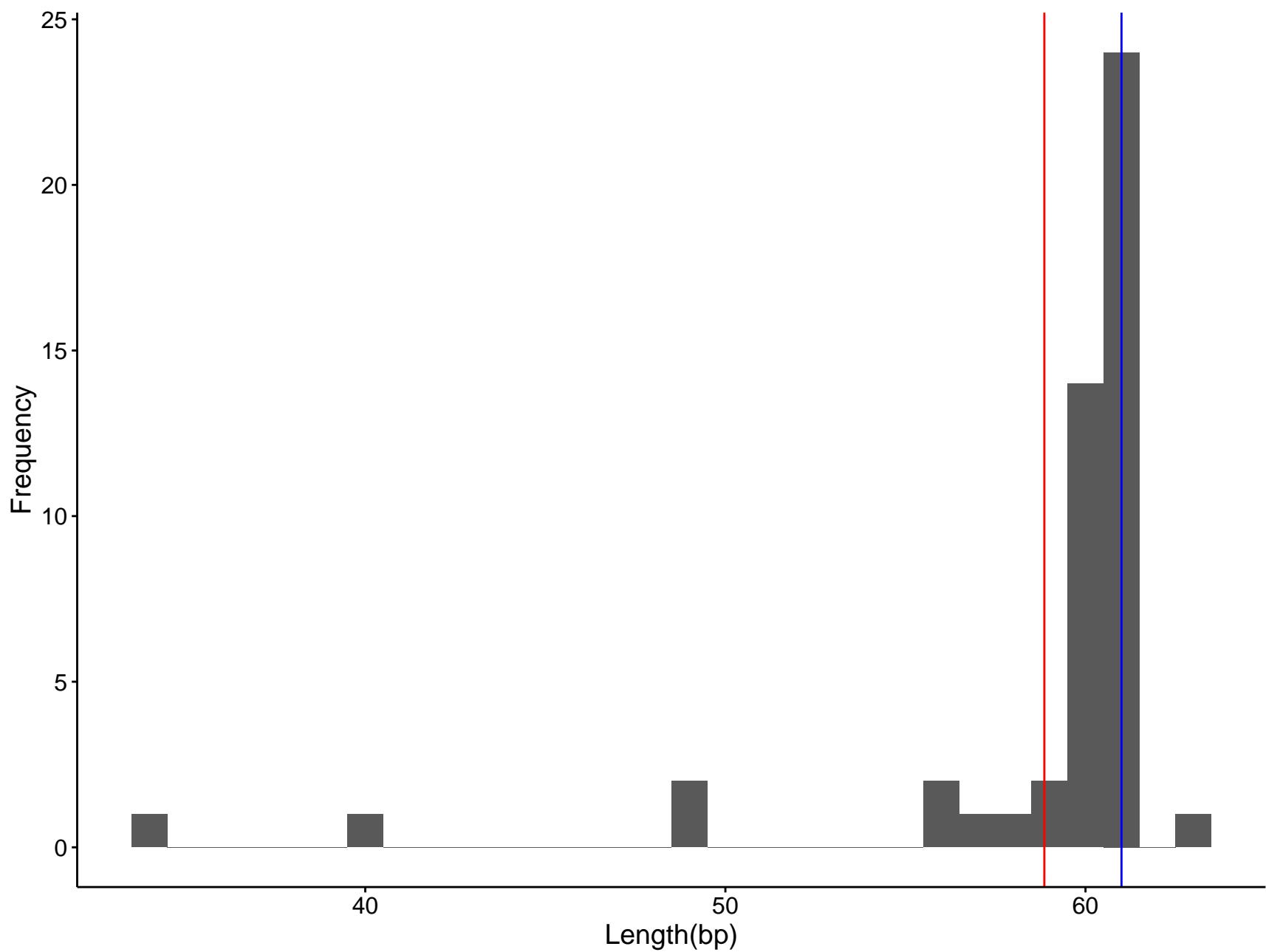
Length(bp)



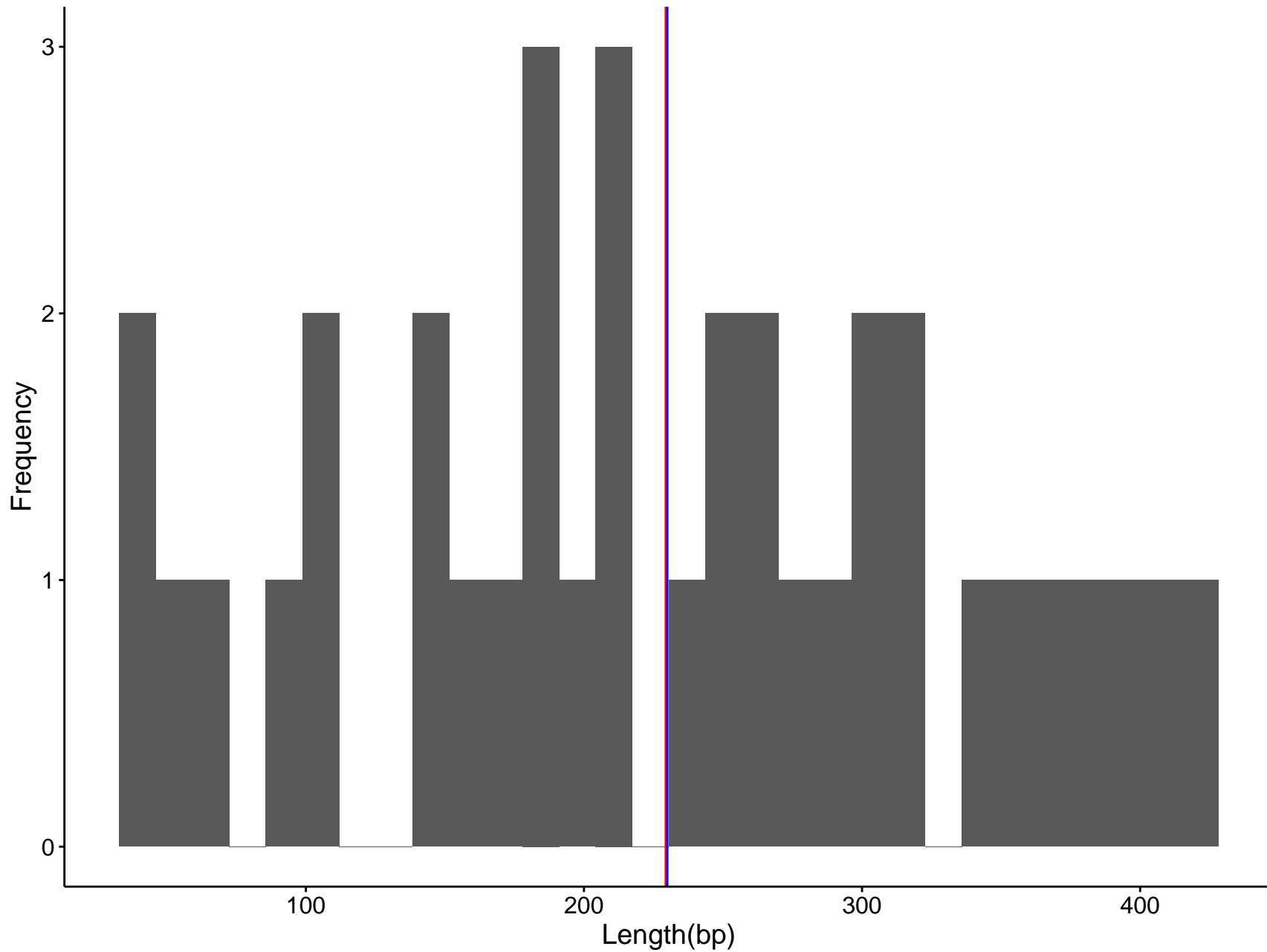
Cluster743



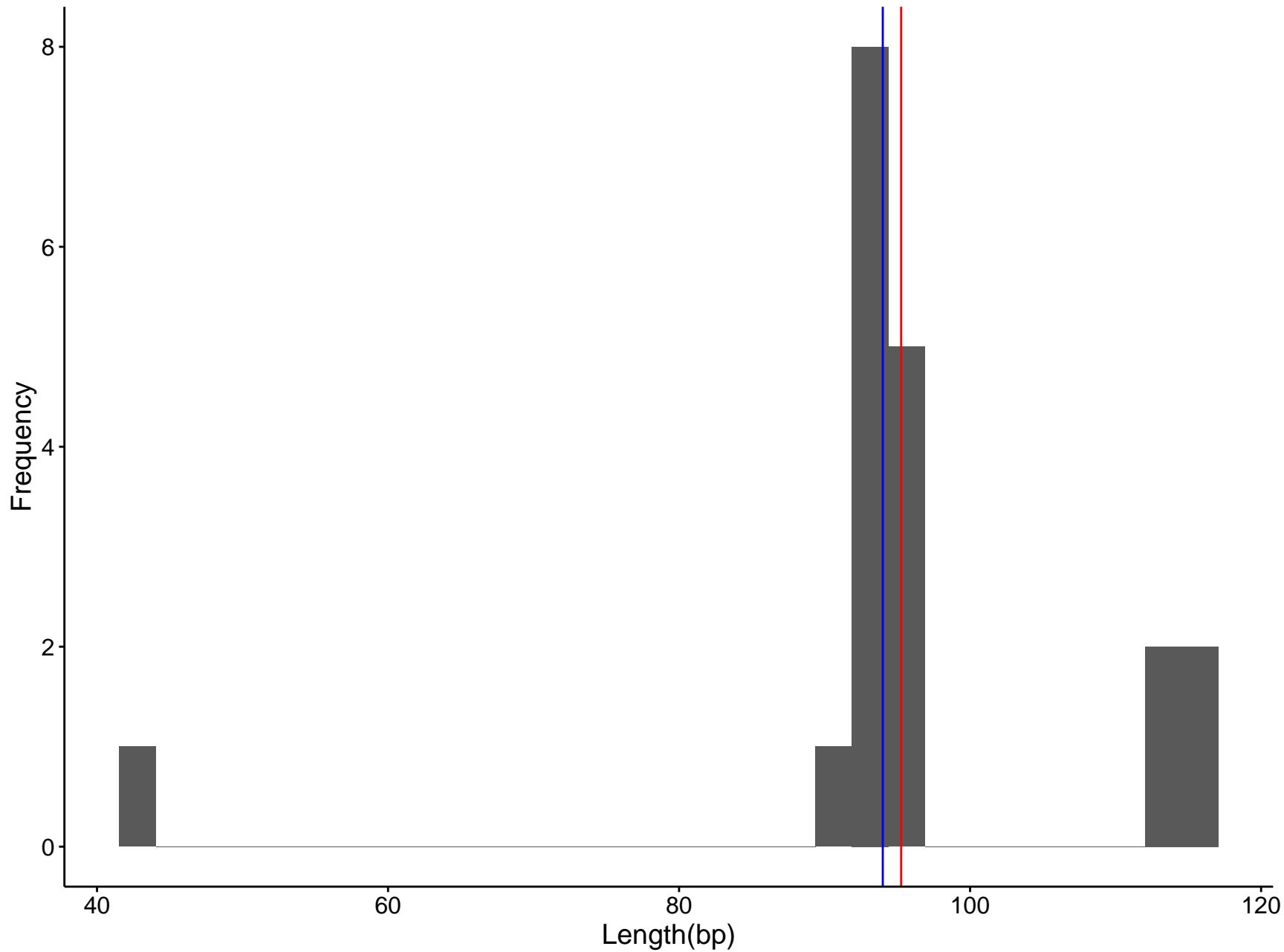
Cluster744



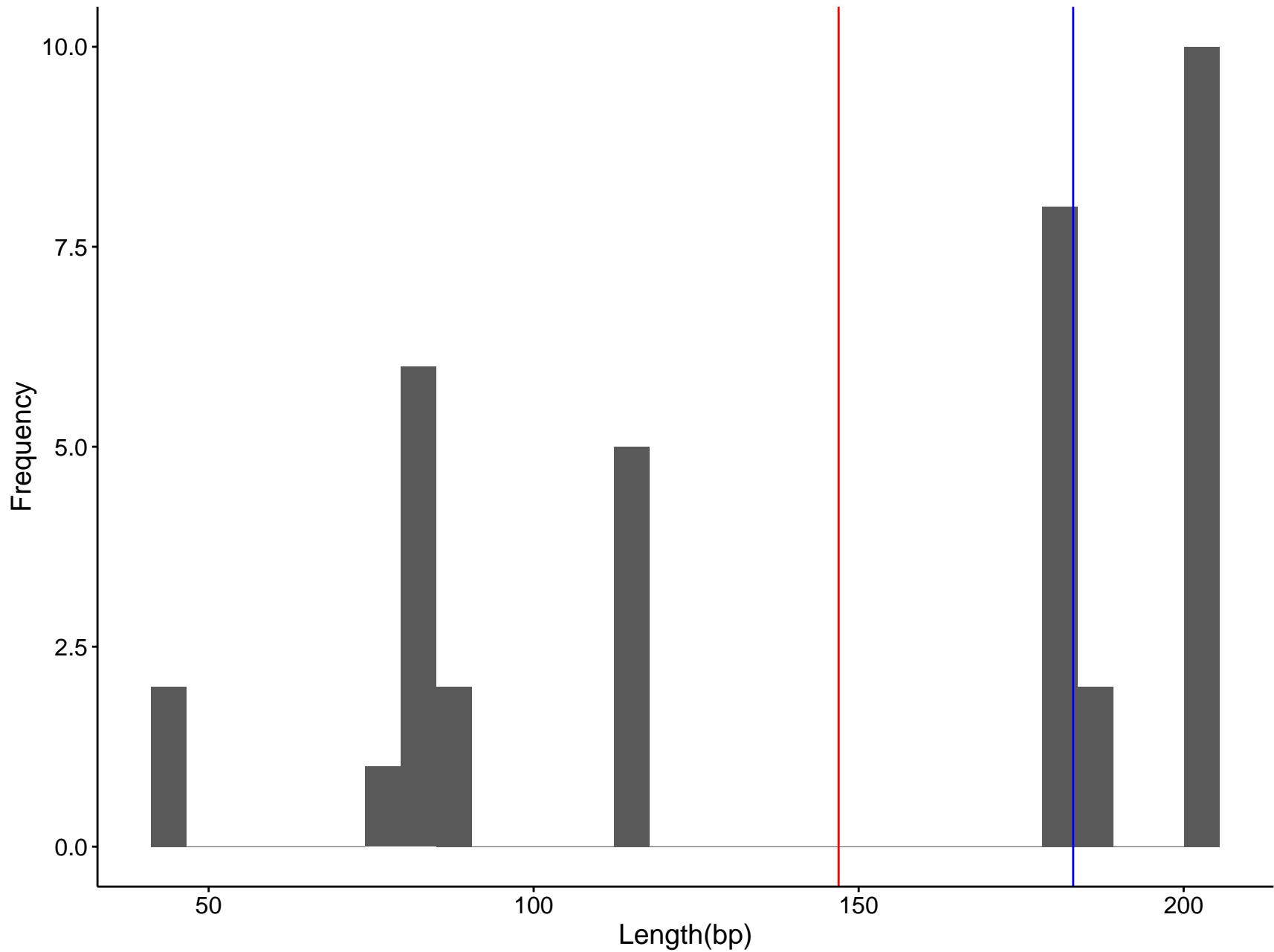
Cluster745



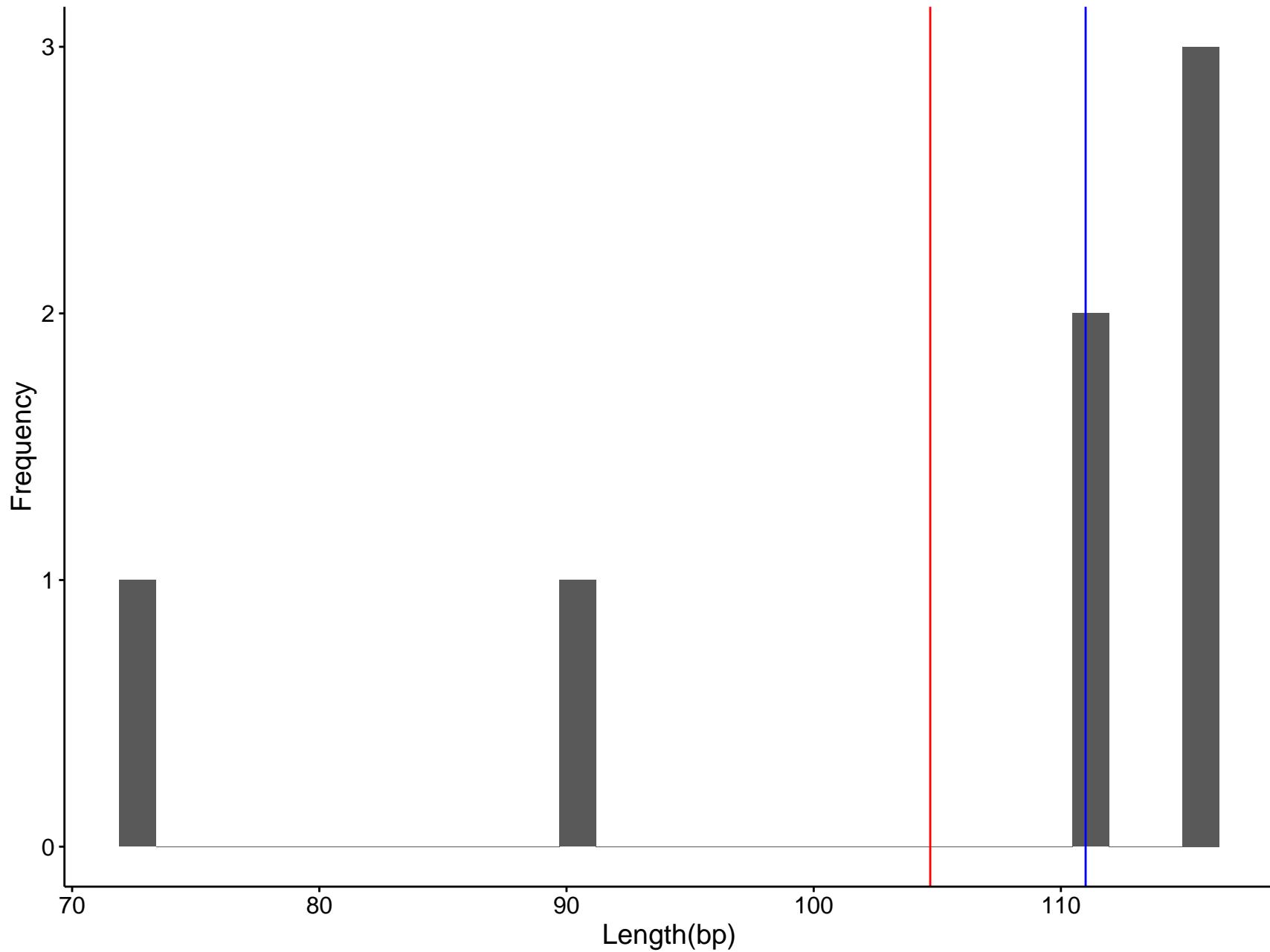
Cluster752

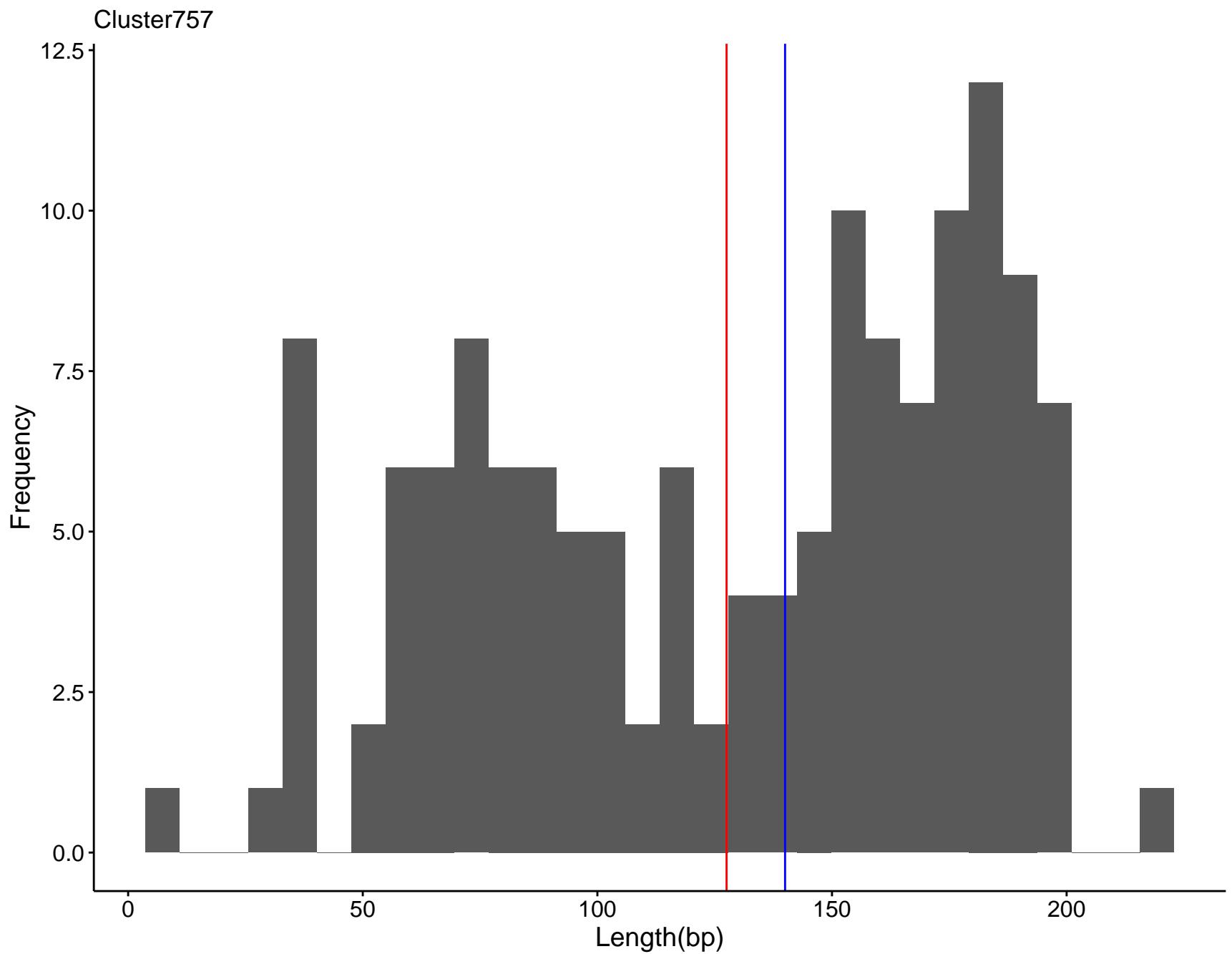


Cluster755

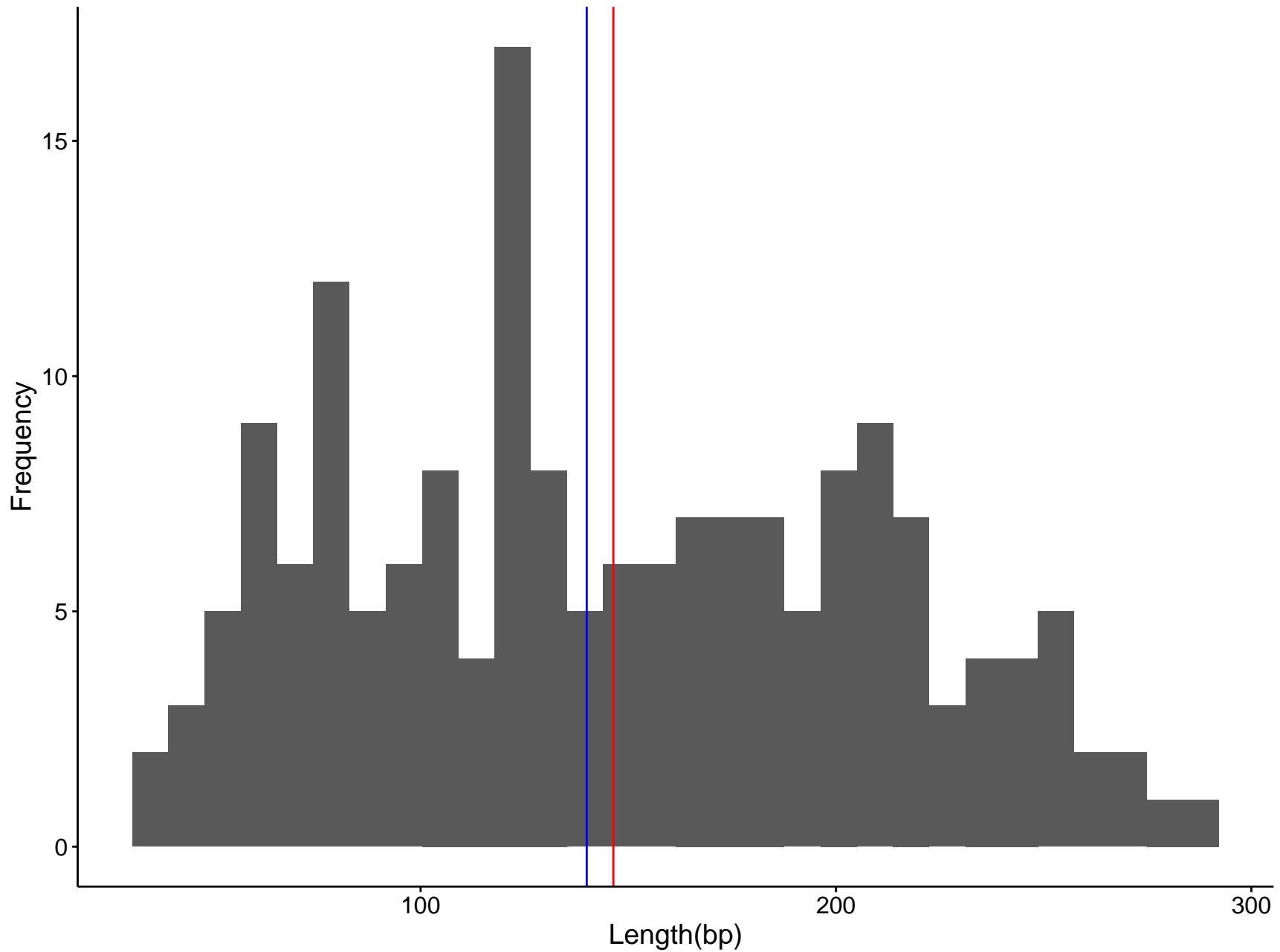


# Cluster756

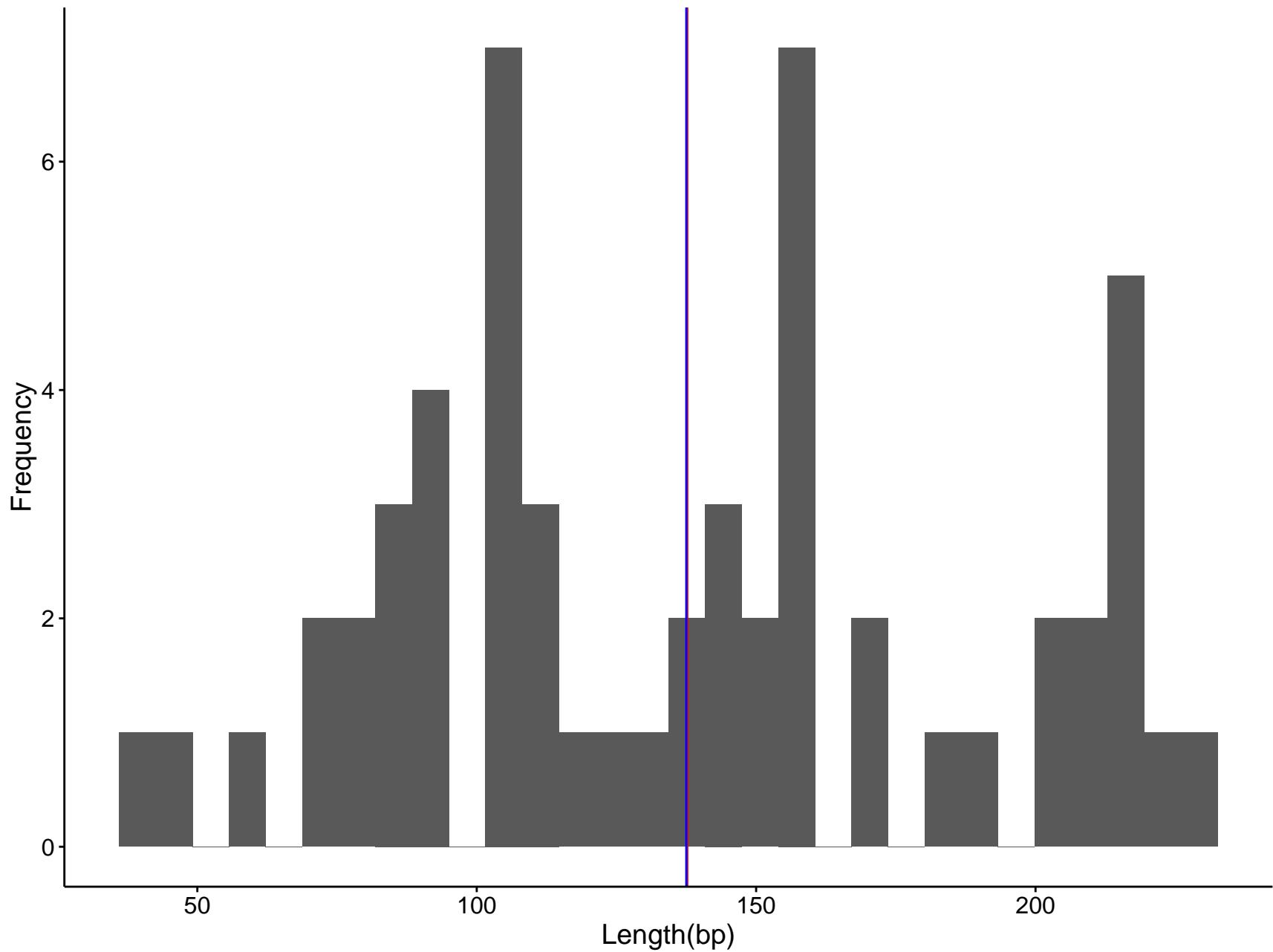




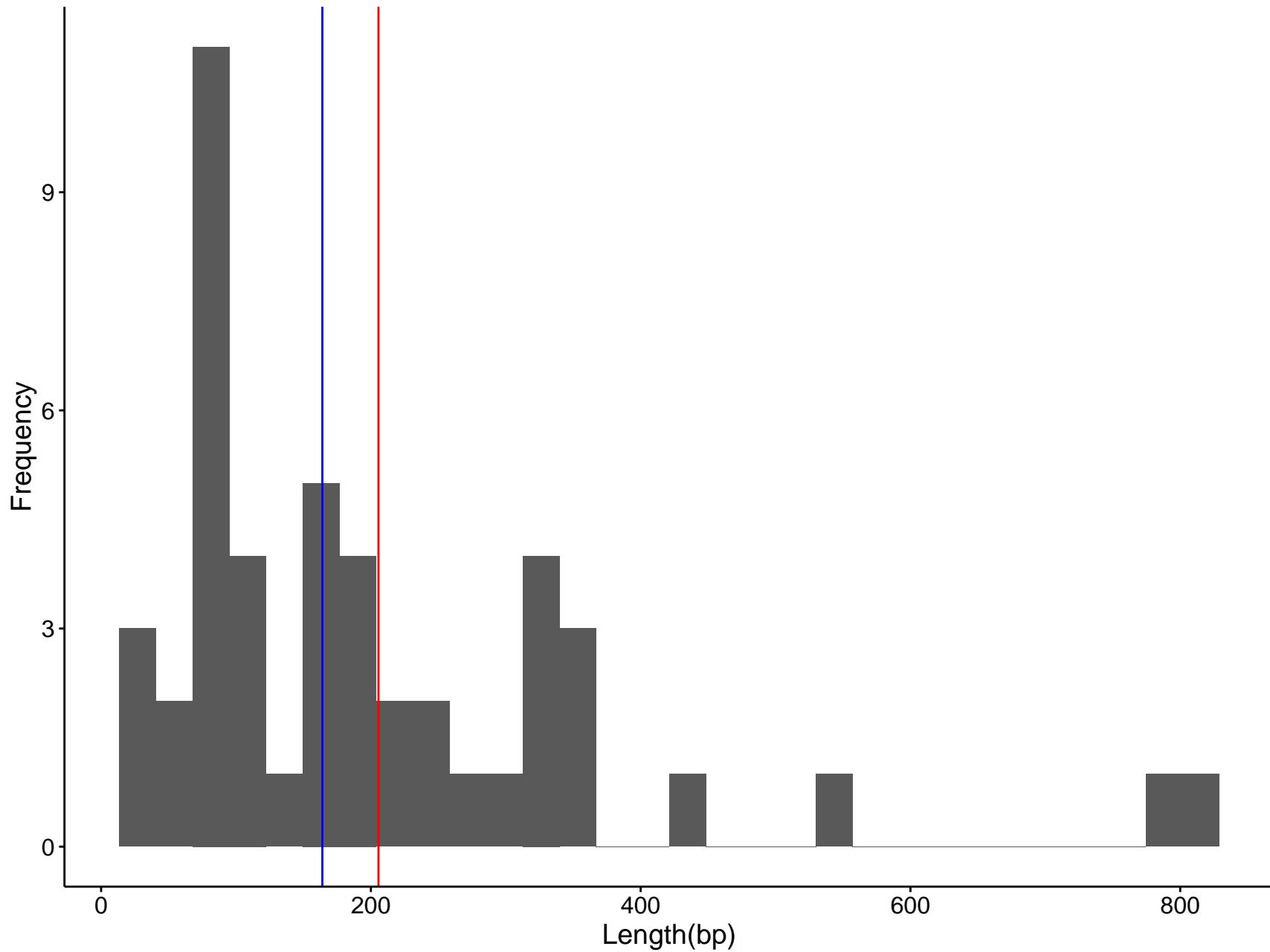
Cluster758



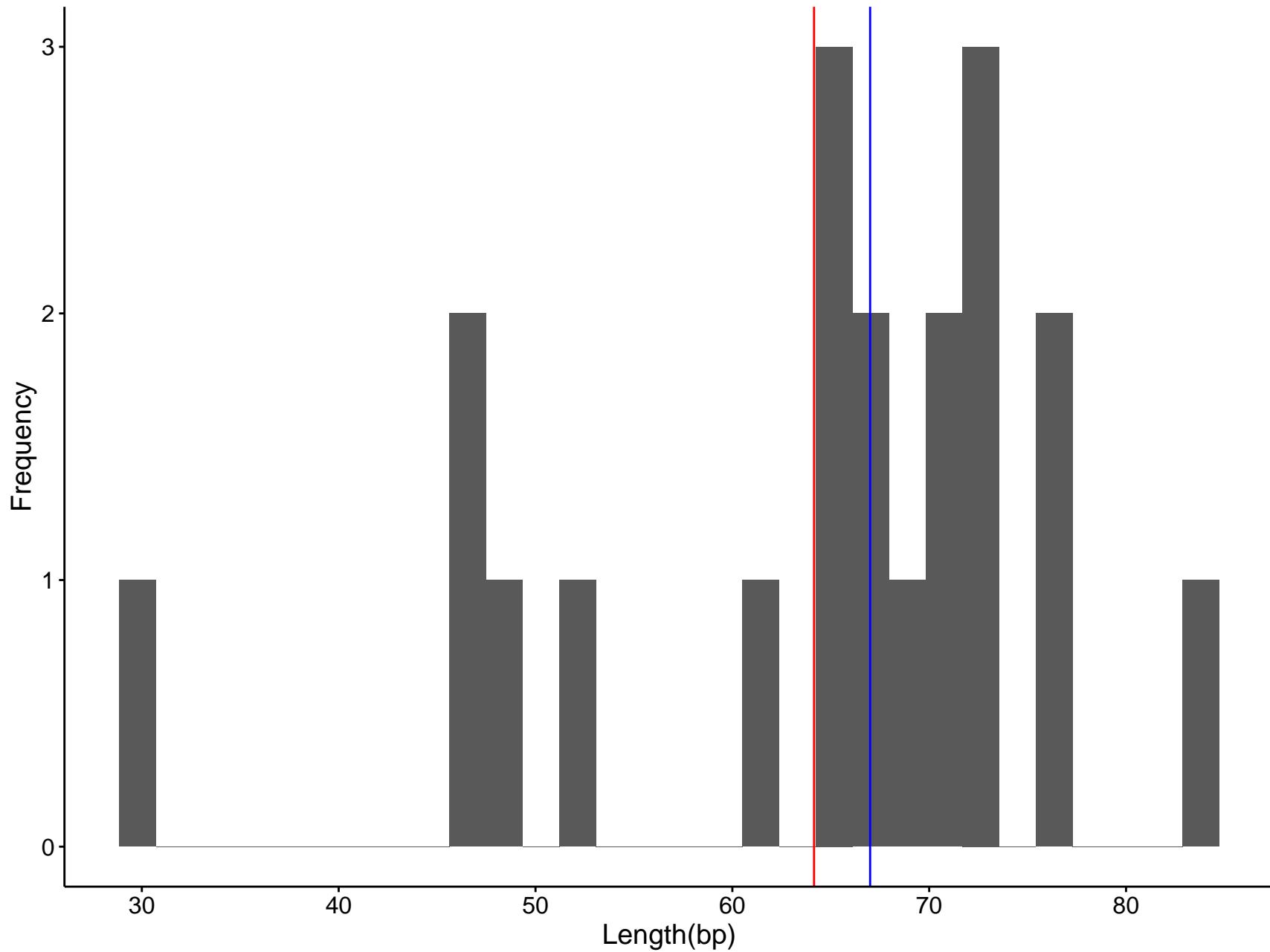
Cluster759



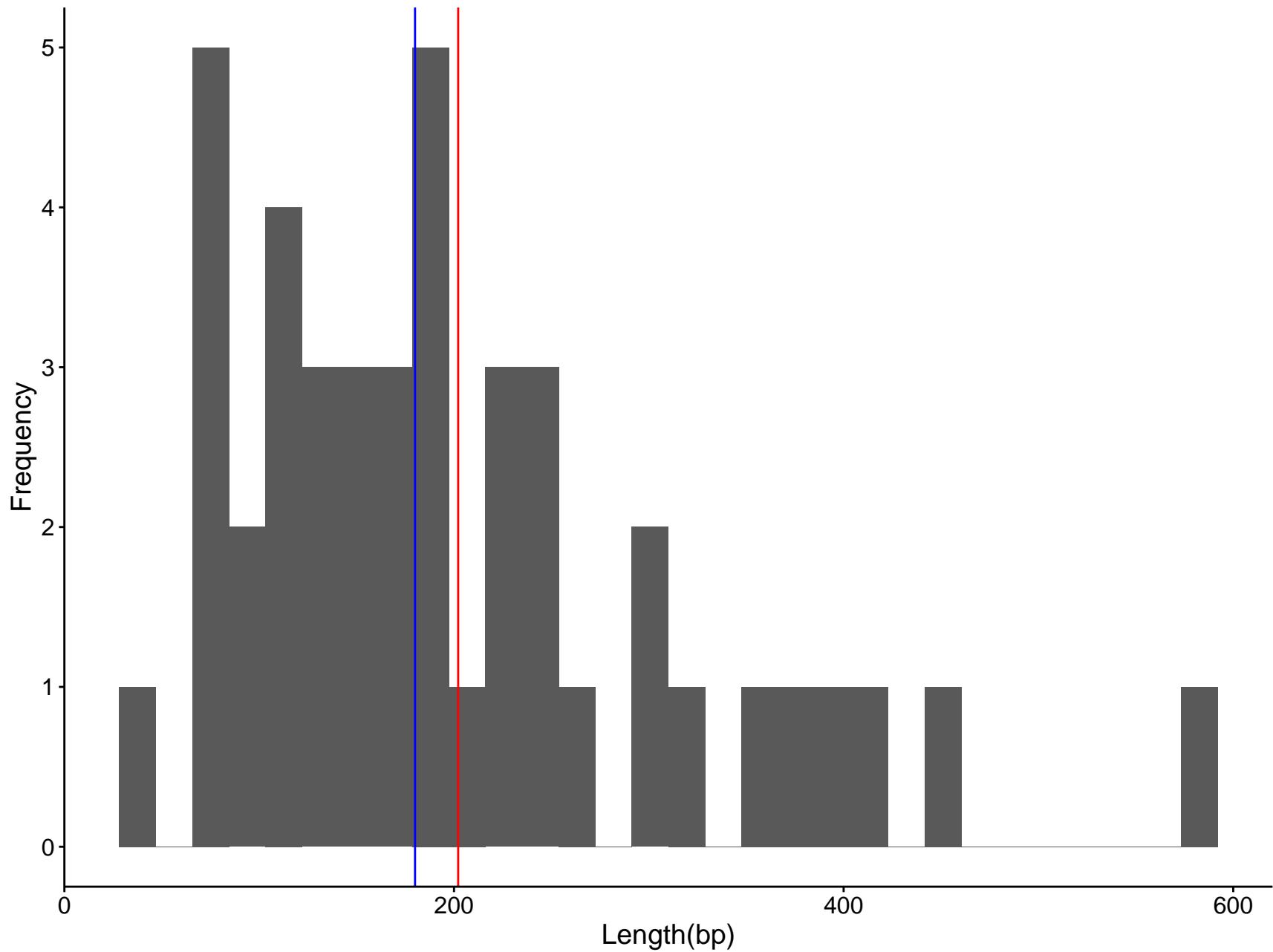
Cluster75



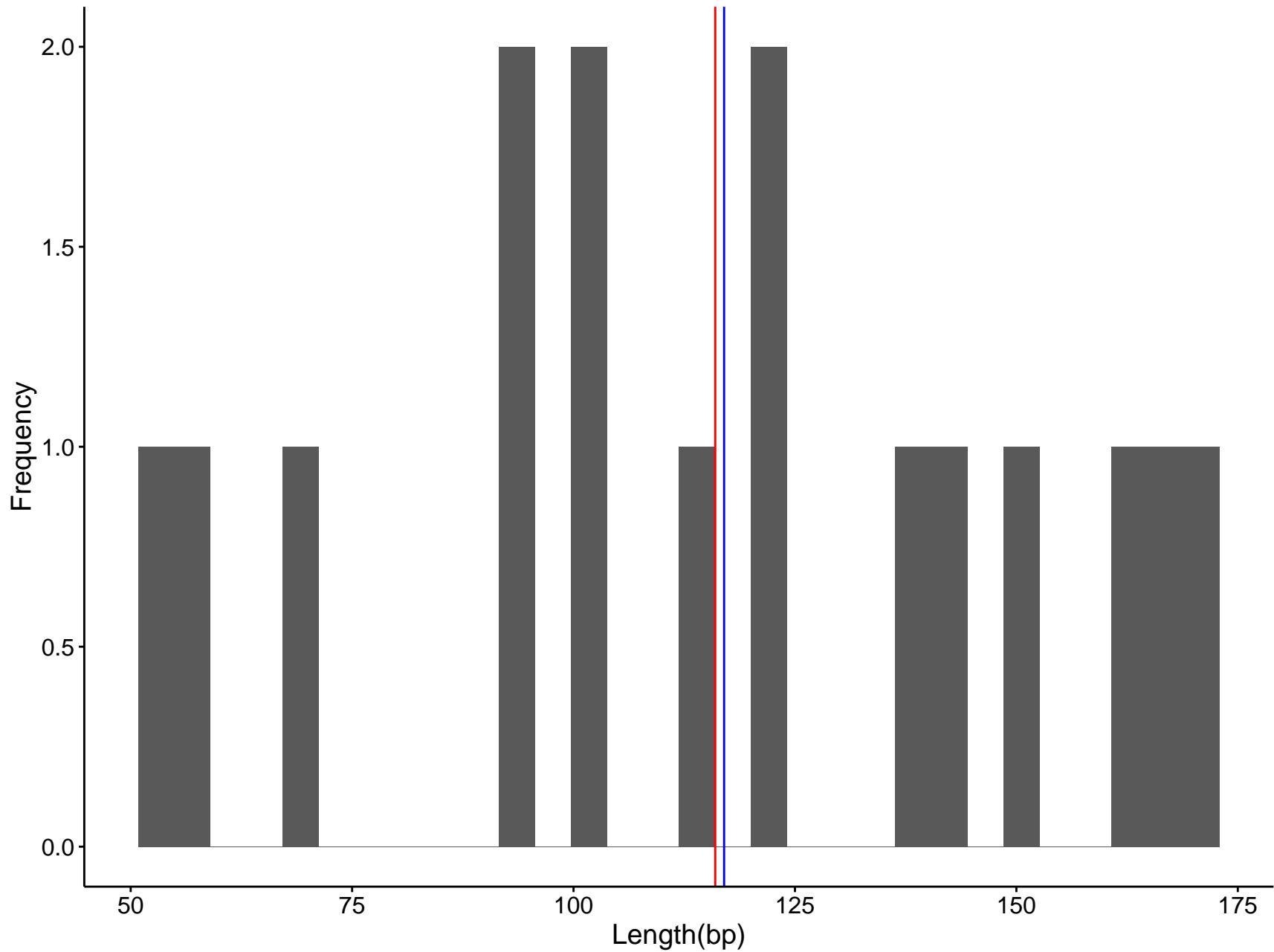
Cluster760



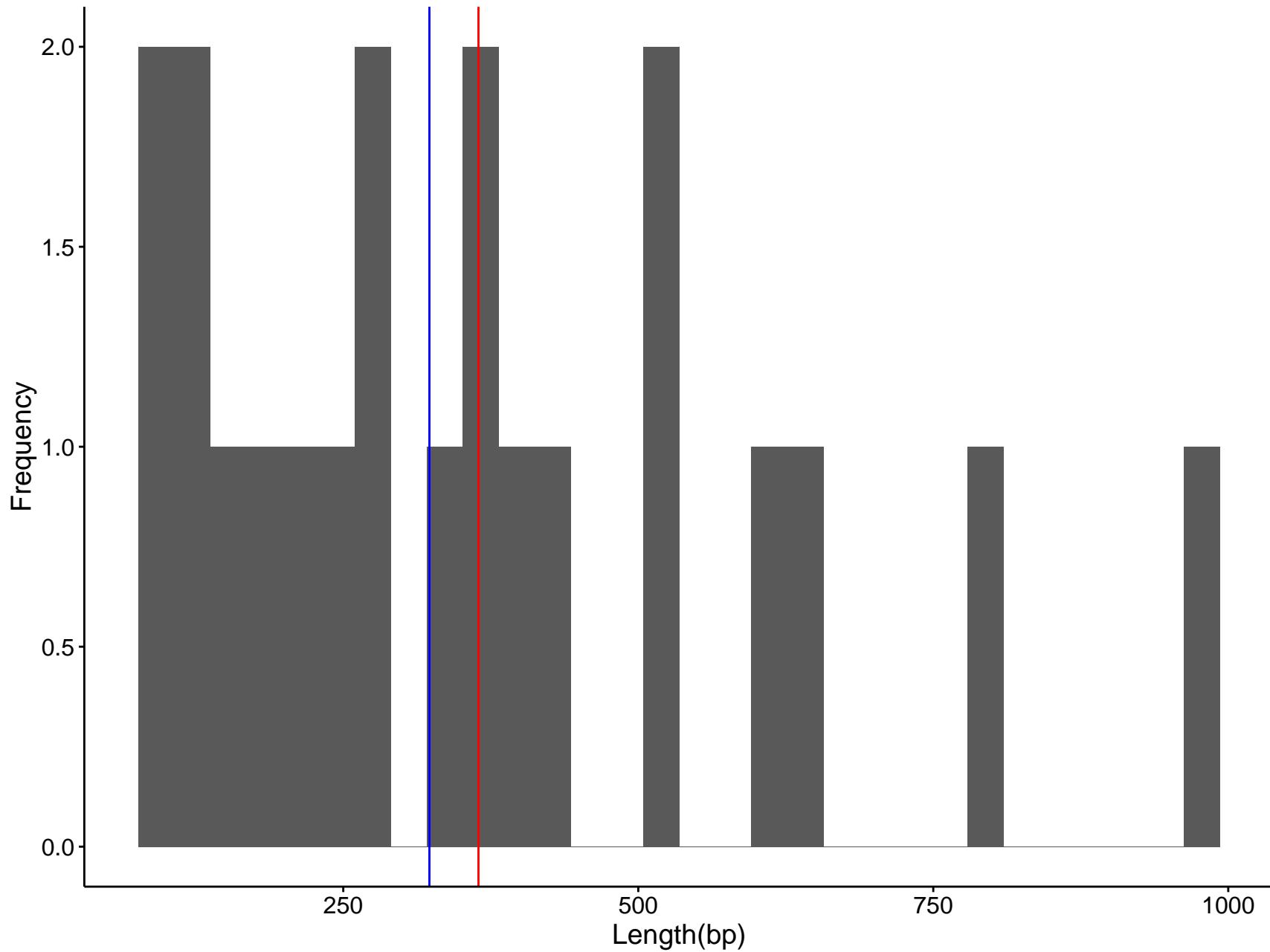
Cluster761



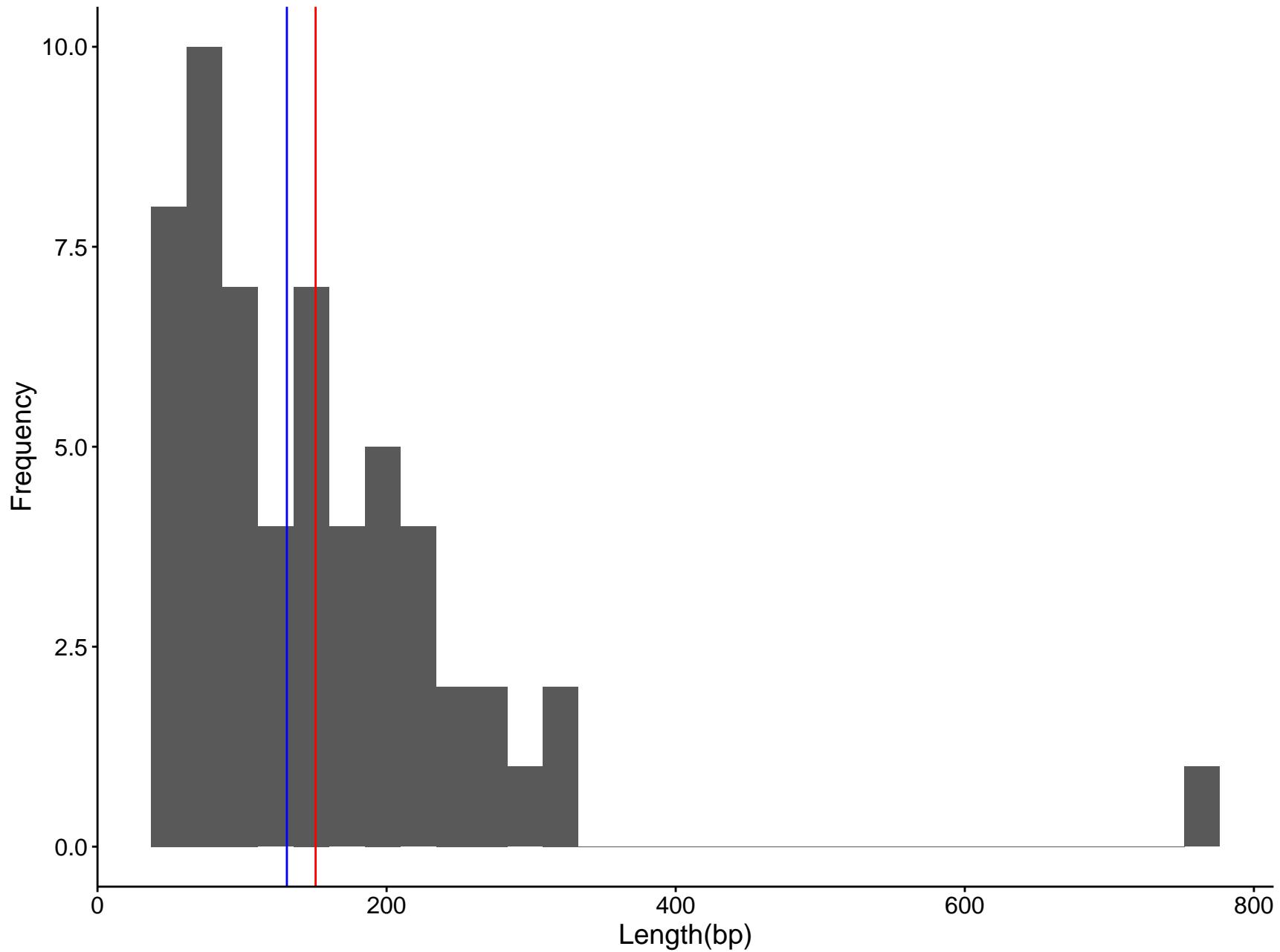
Cluster762



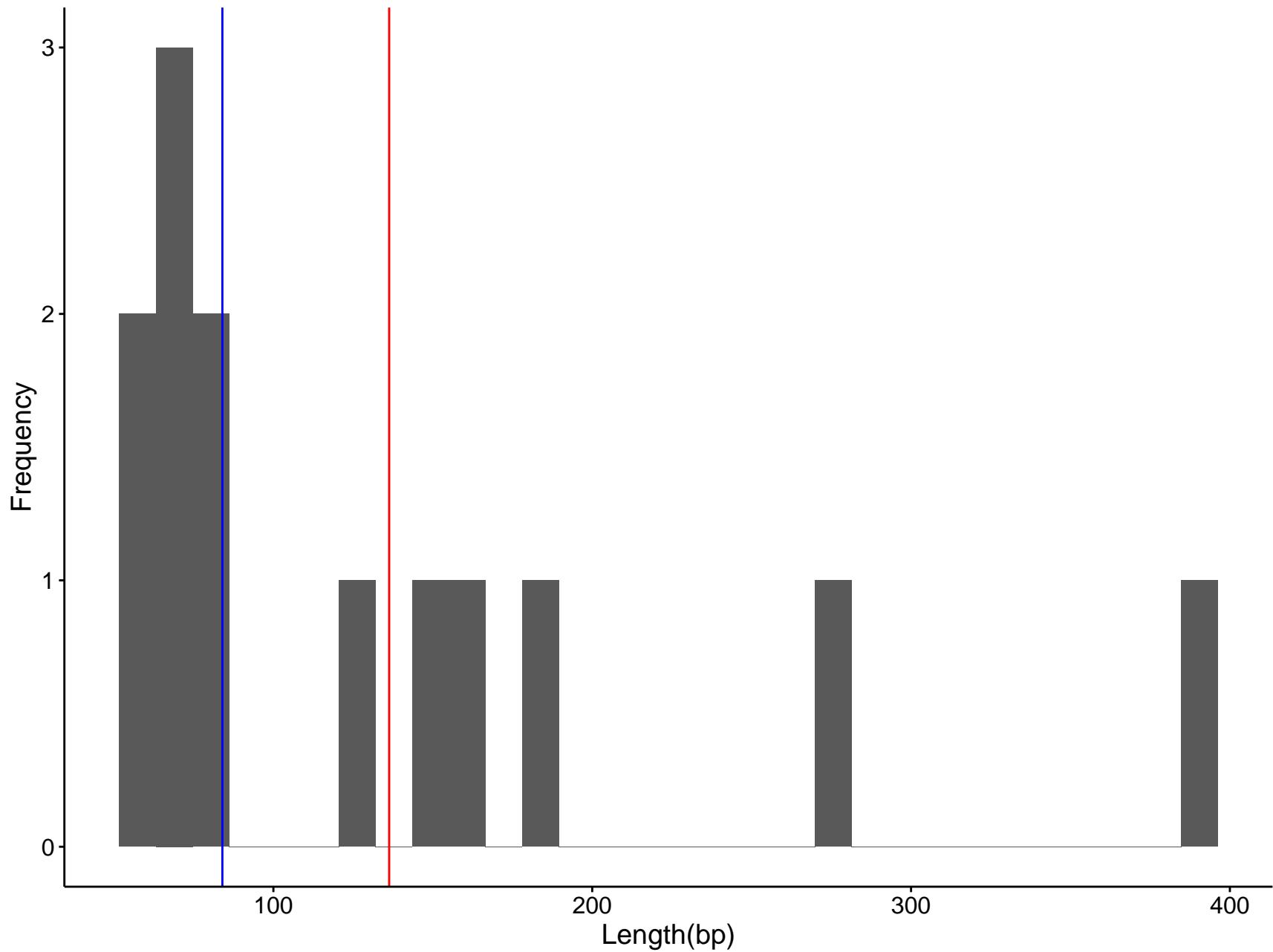
Cluster763



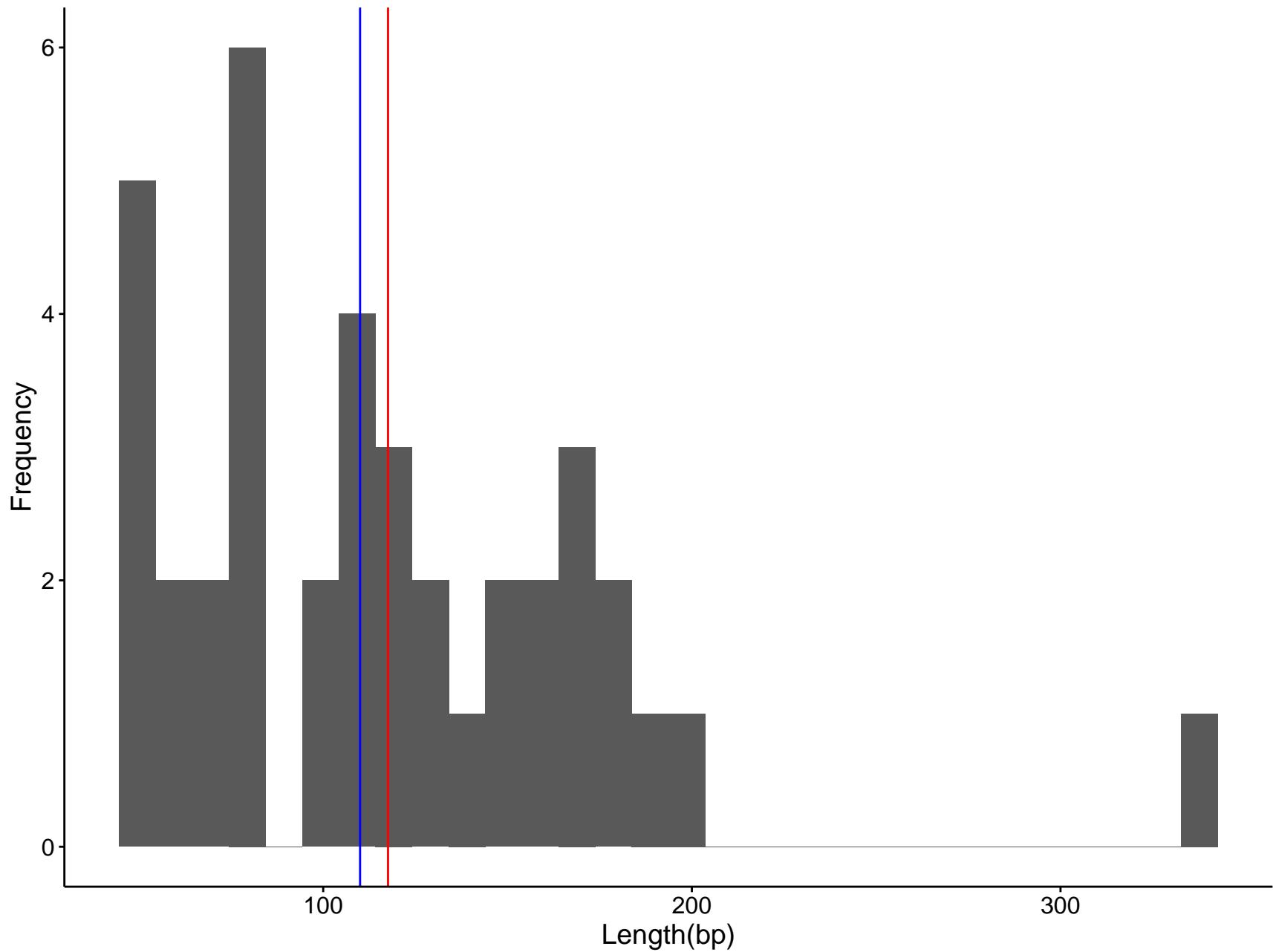
Cluster764



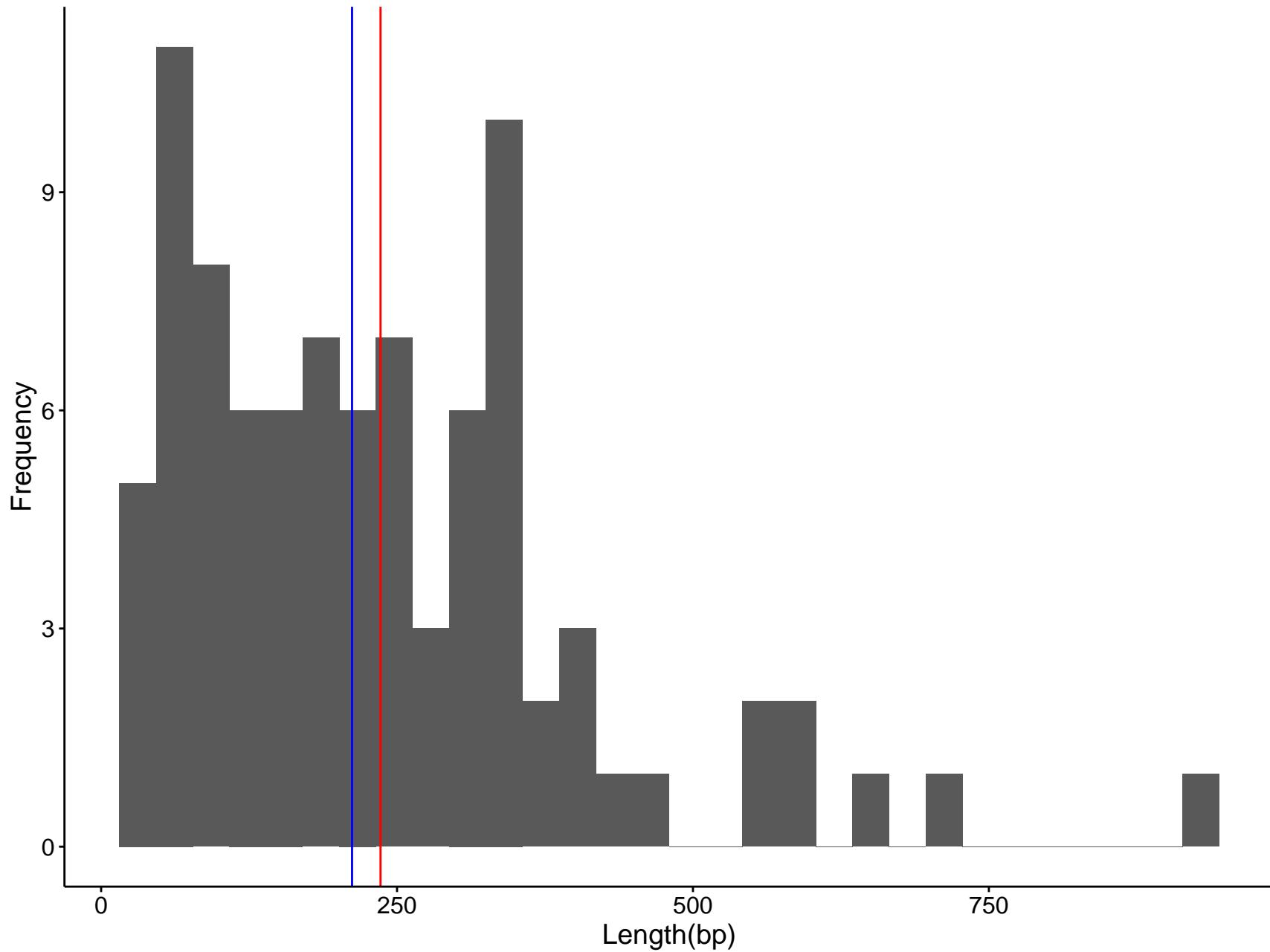
Cluster766



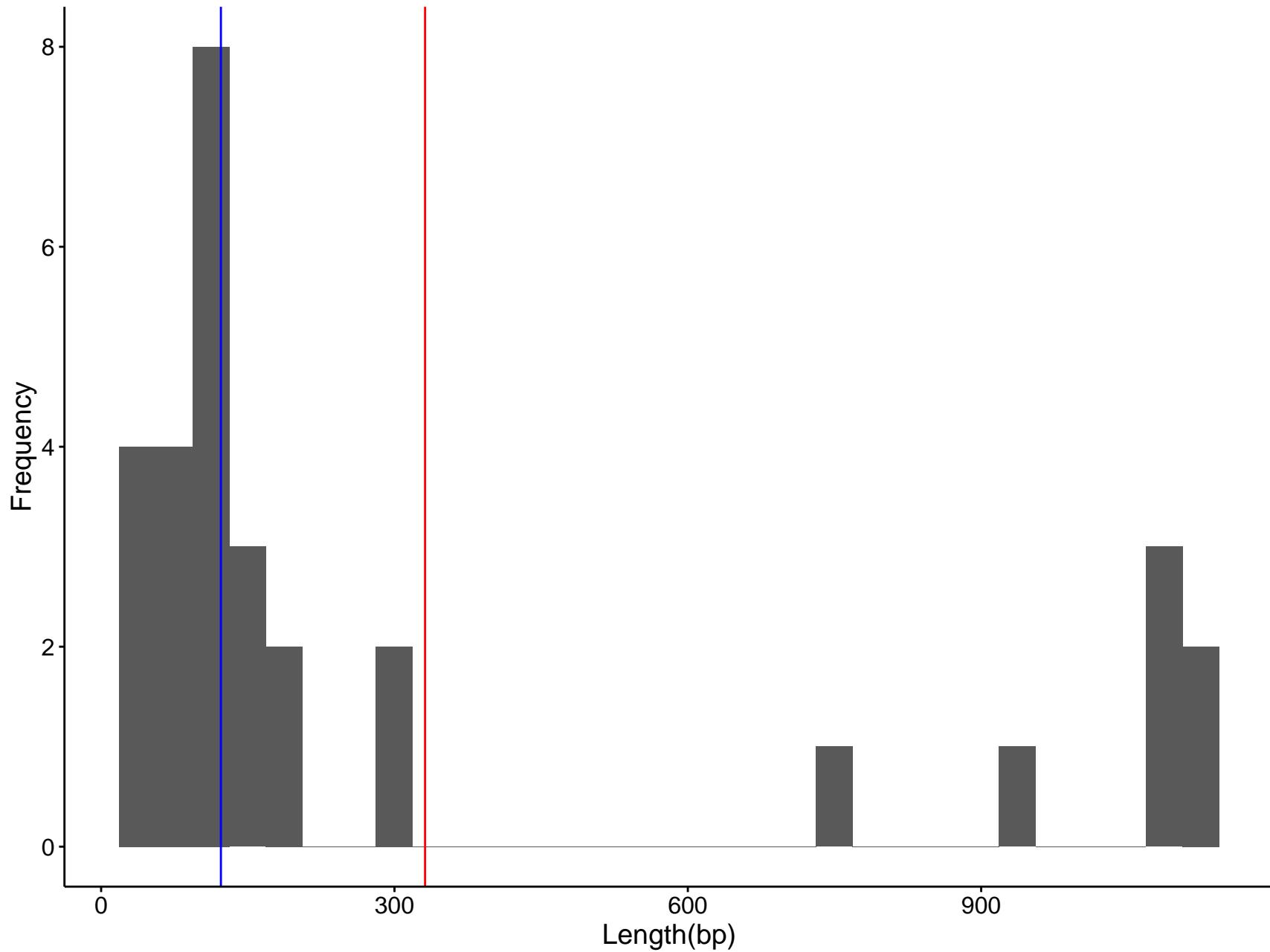
Cluster769



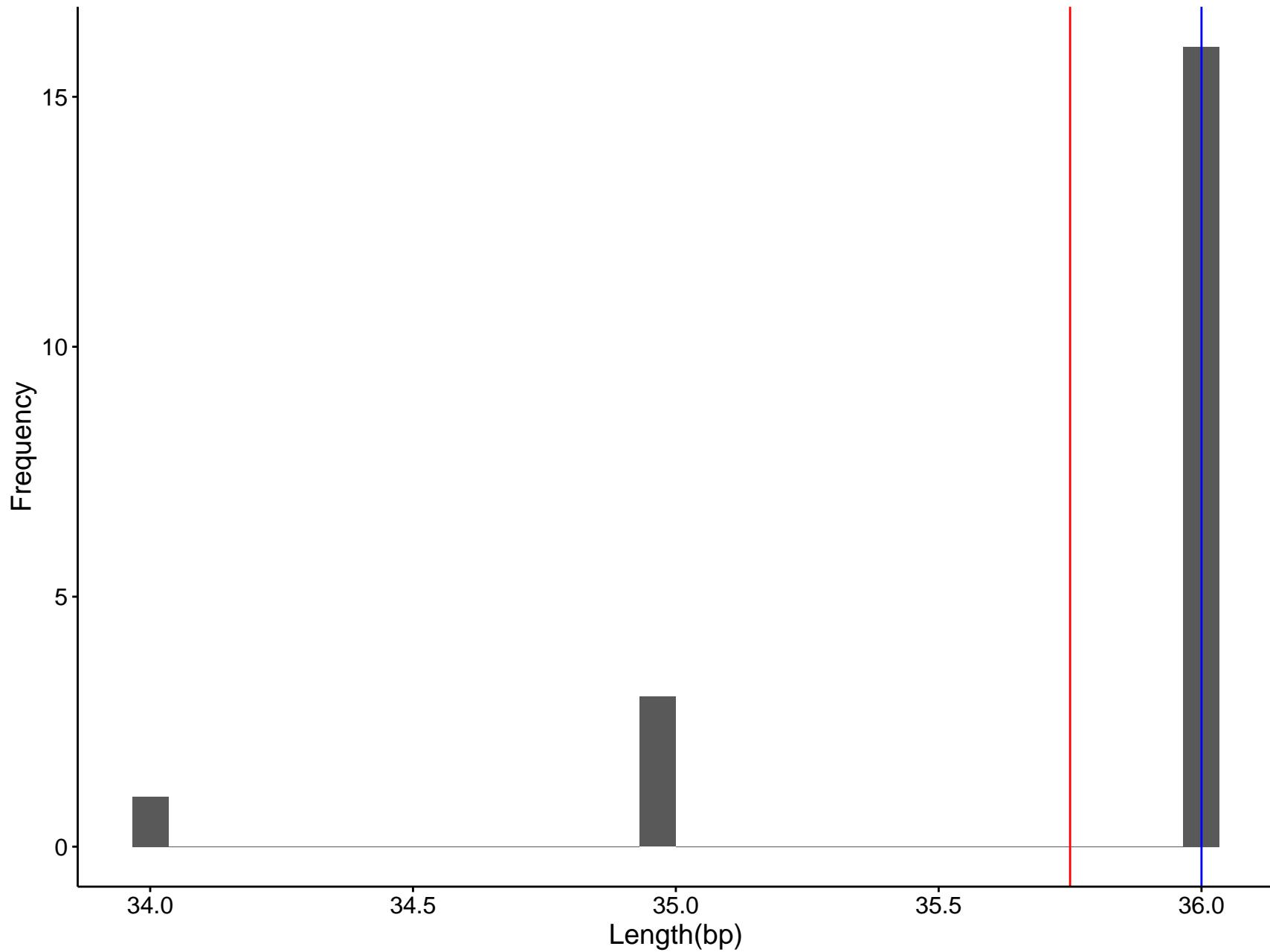
Cluster76



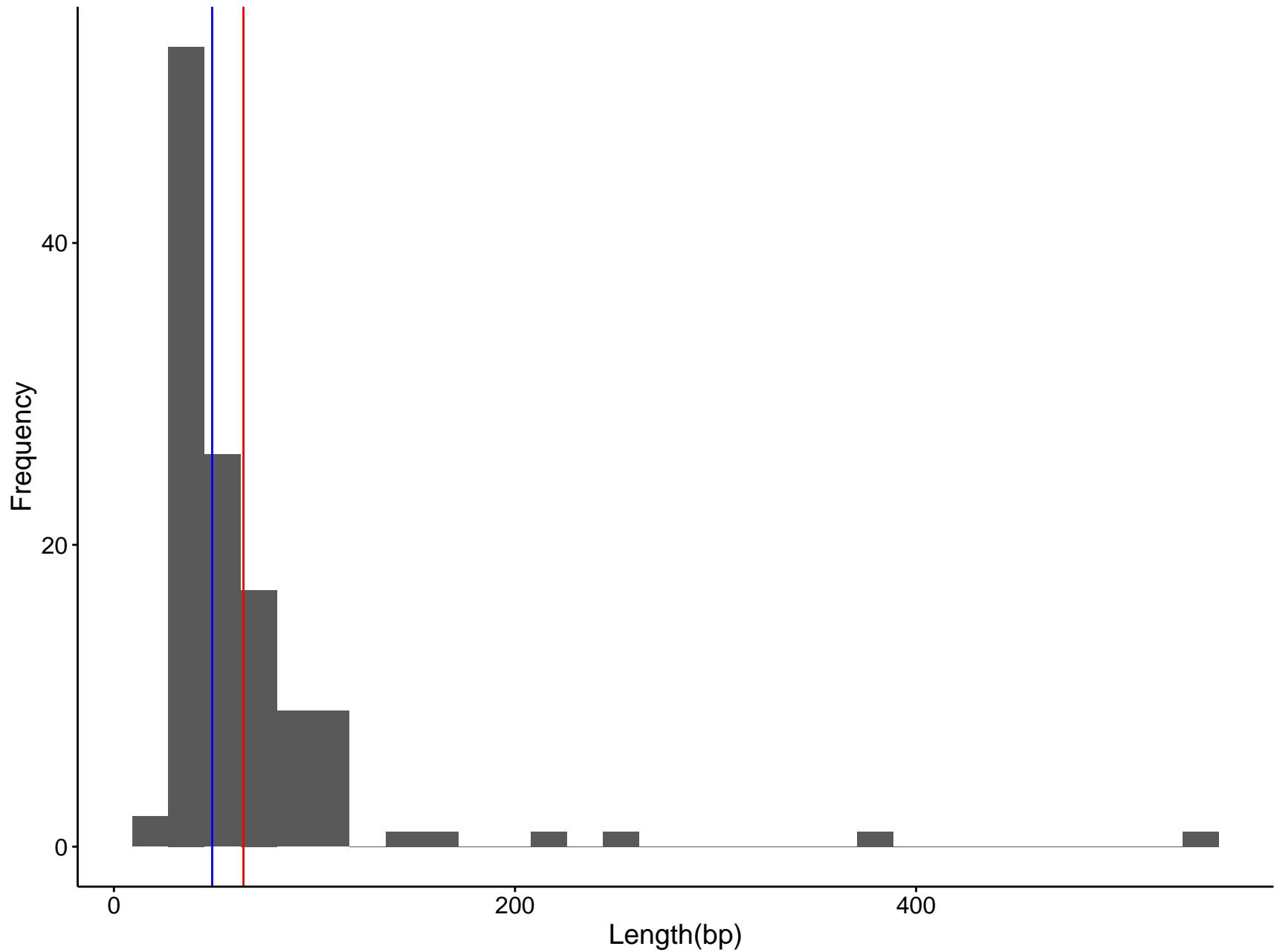
Cluster771



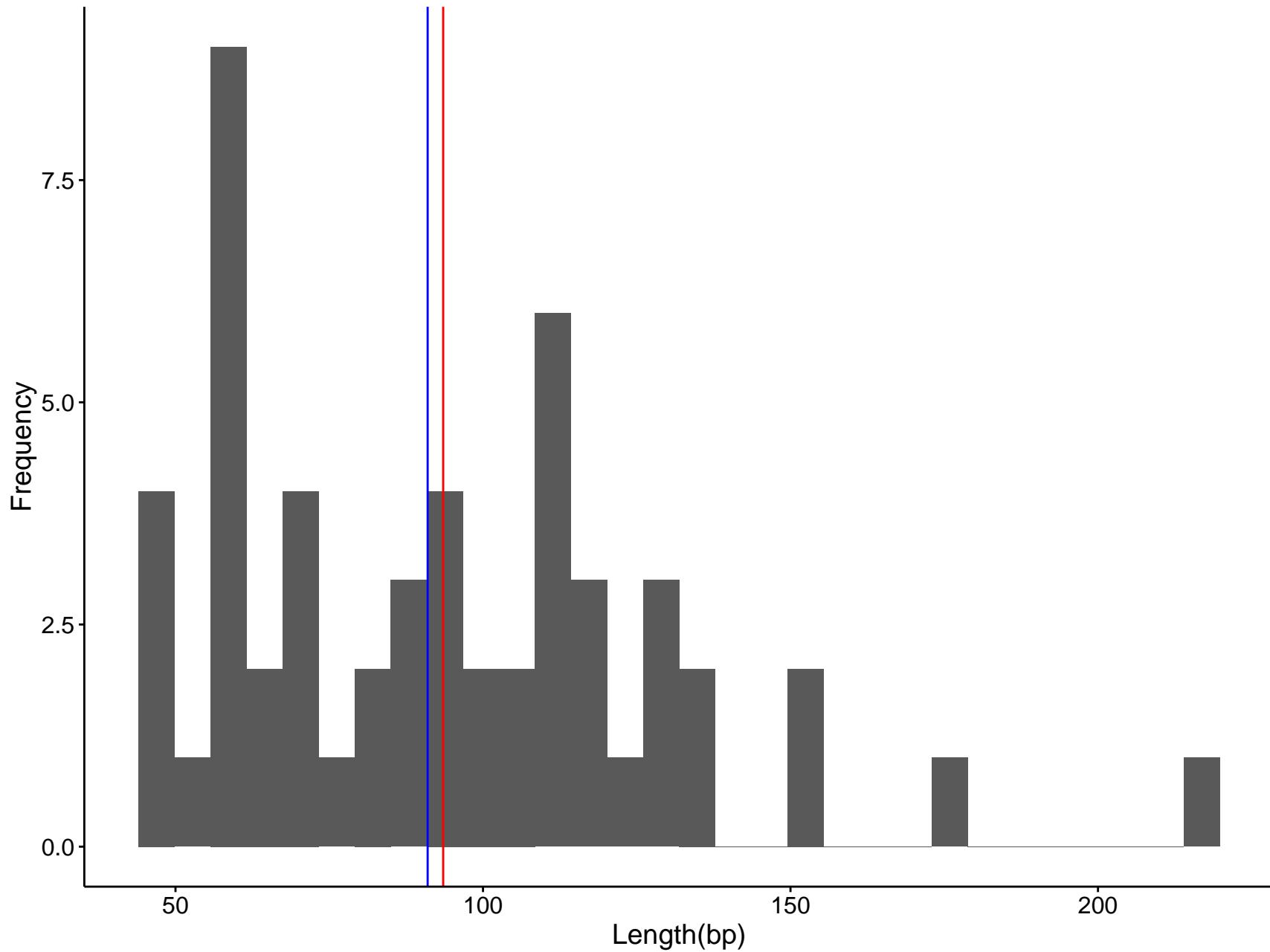
Cluster772



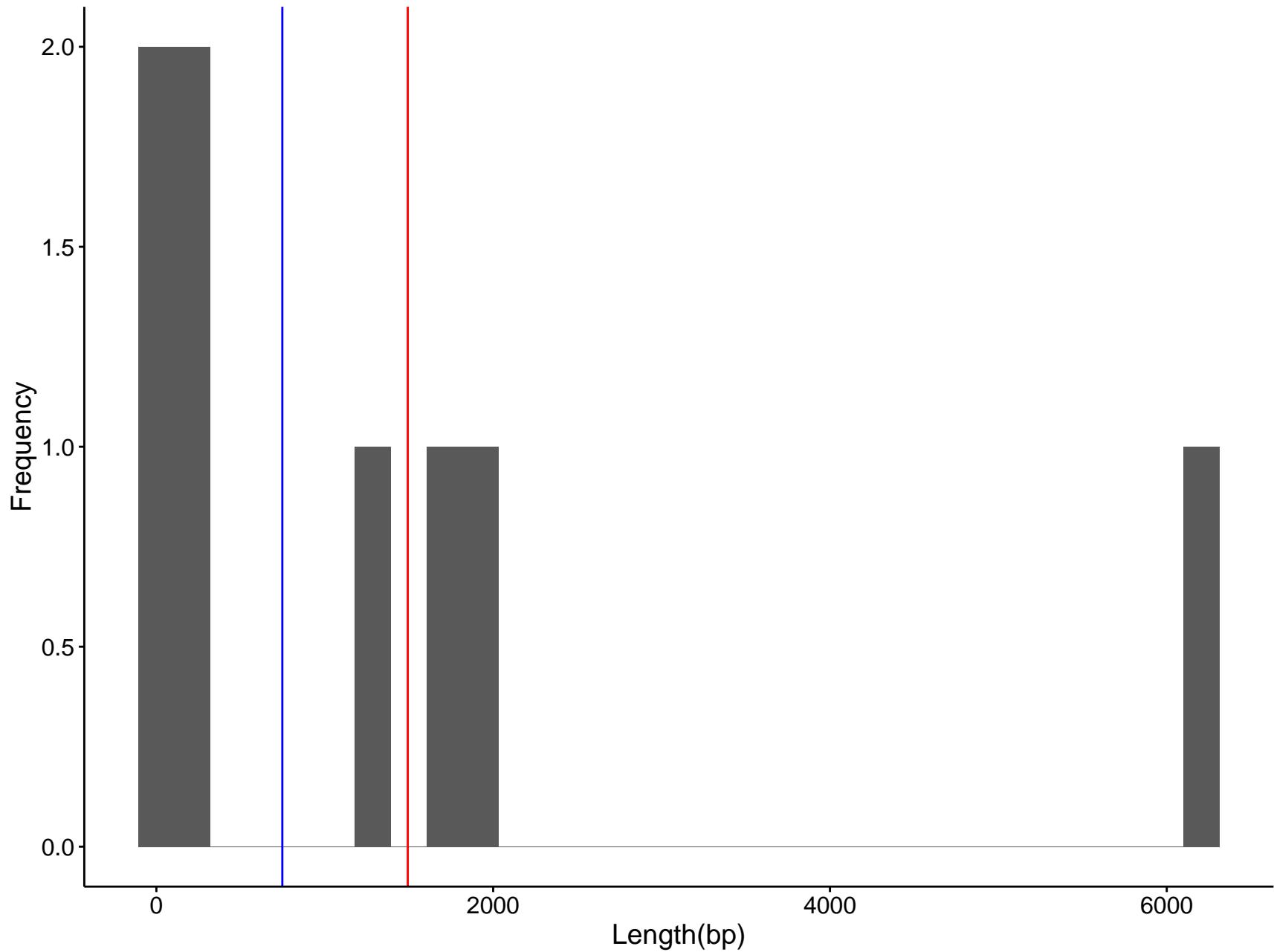
Cluster774



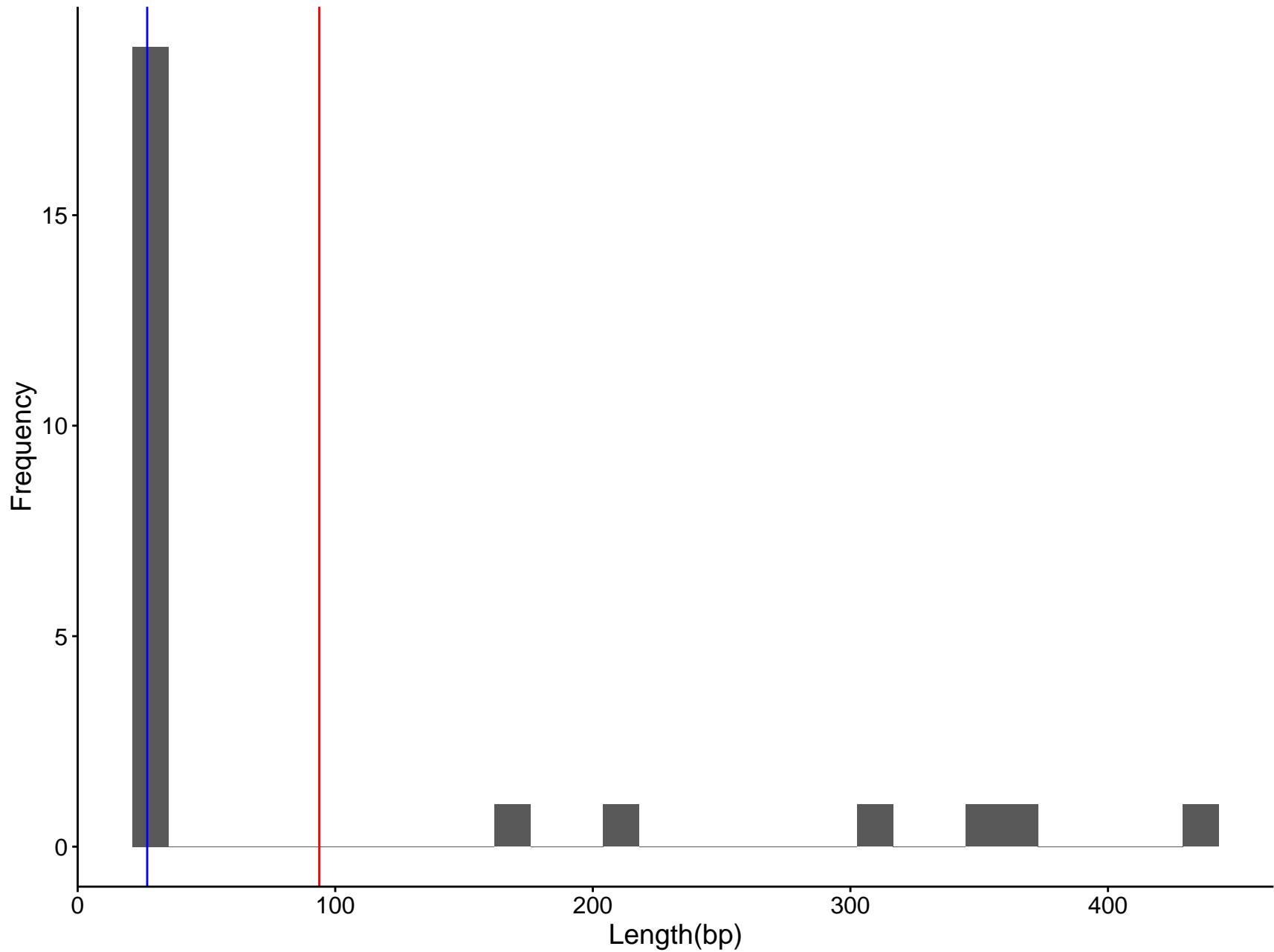
Cluster775



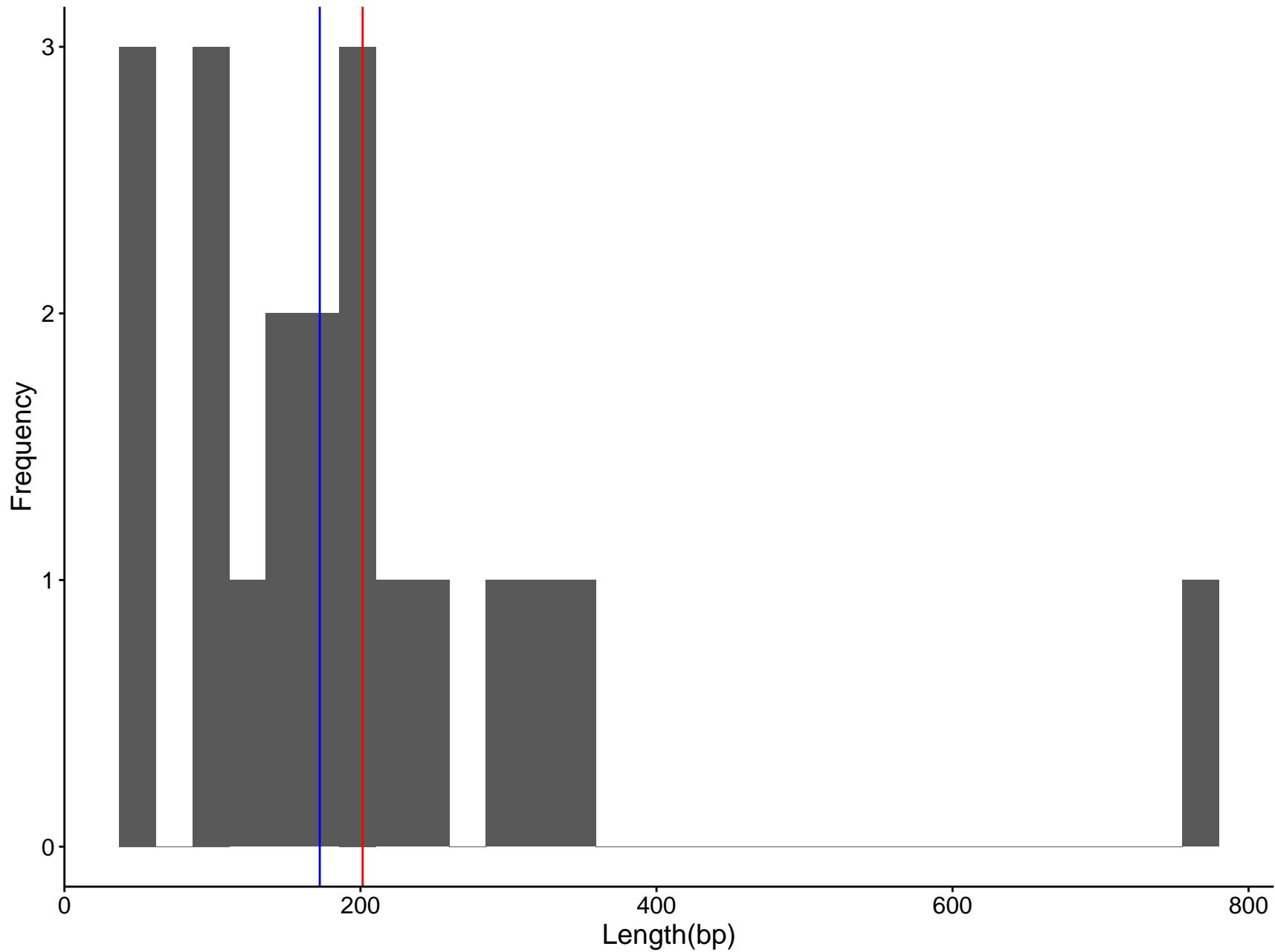
Cluster778



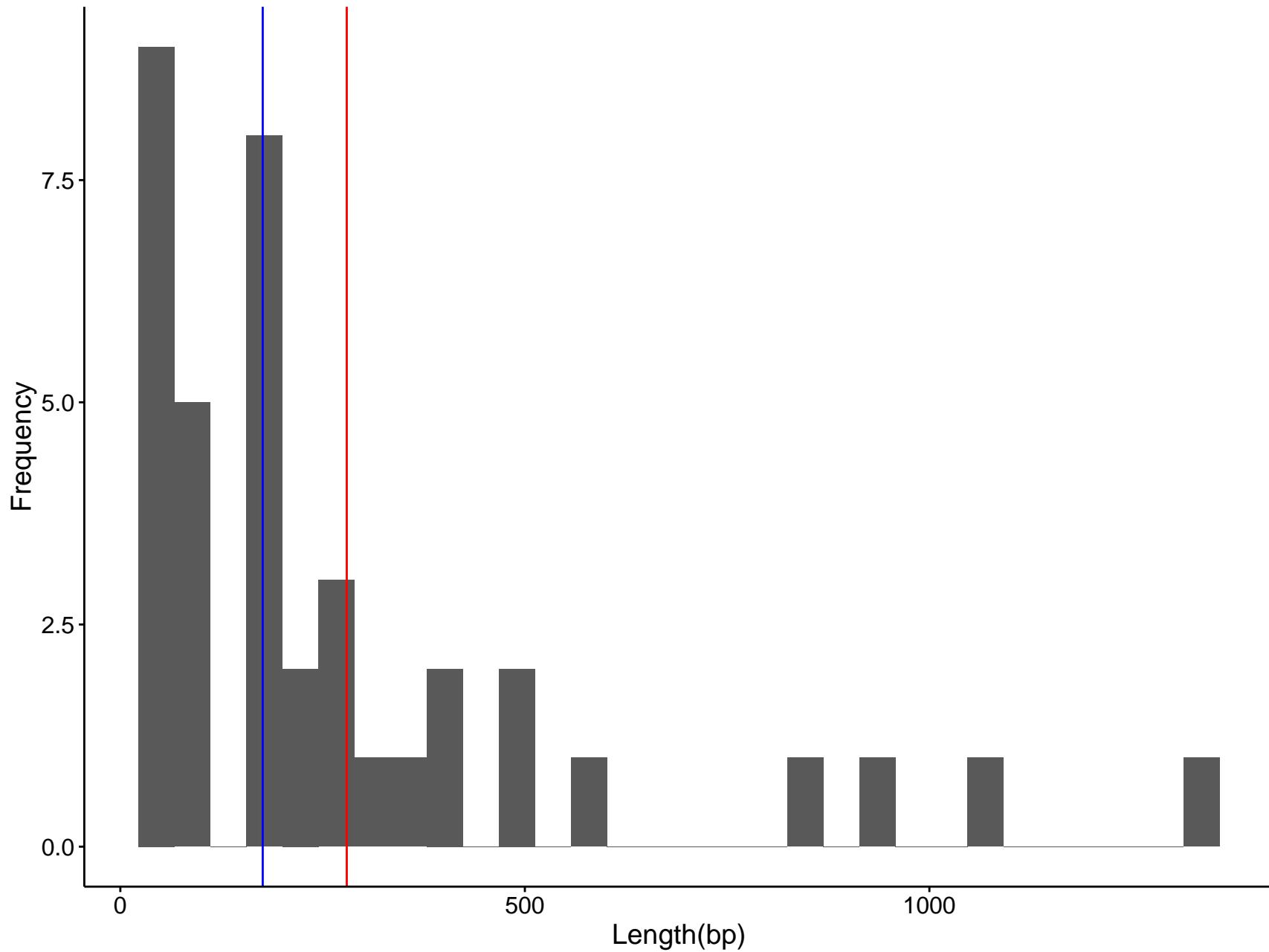
Cluster77



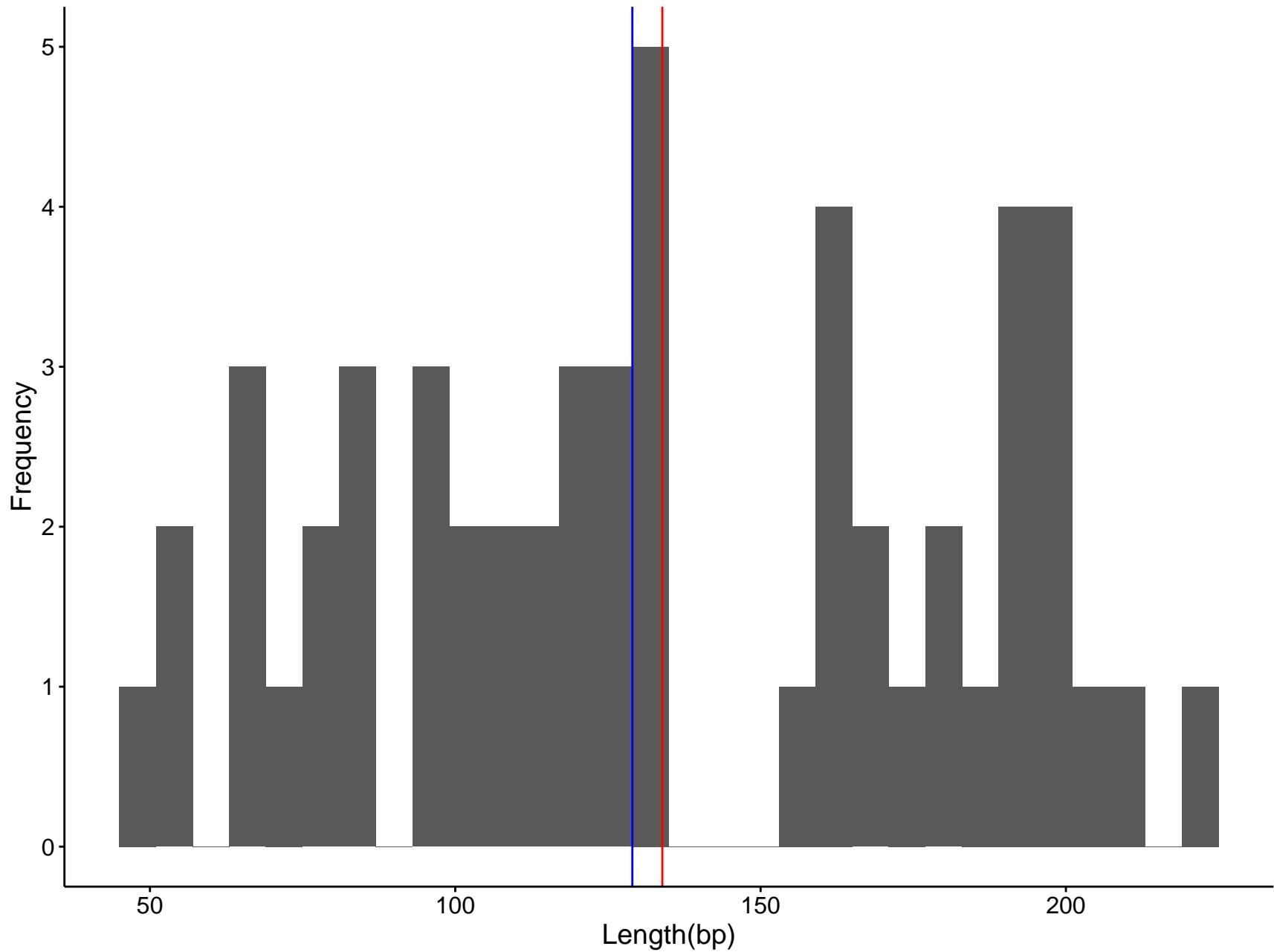
Cluster782



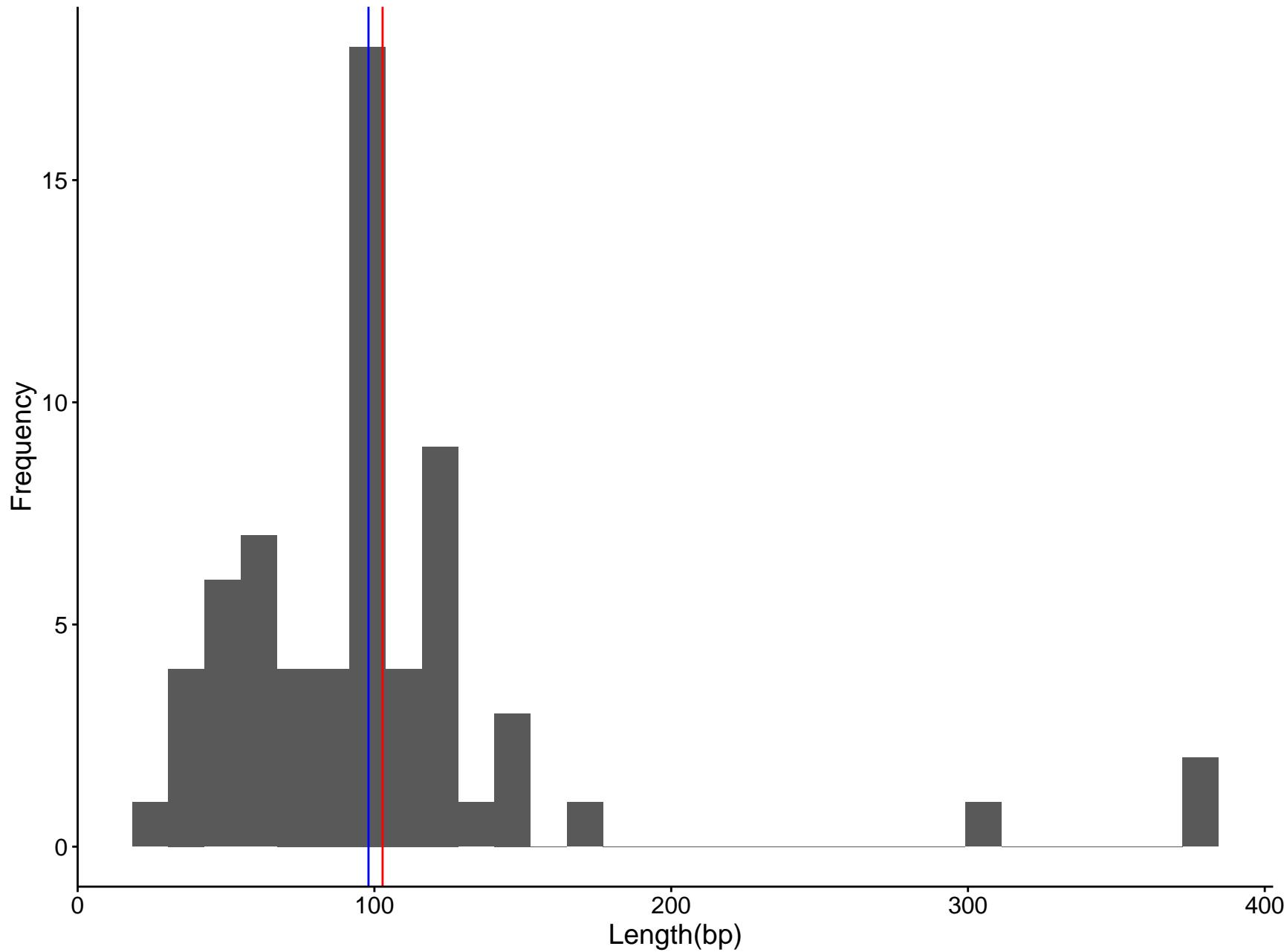
Cluster783



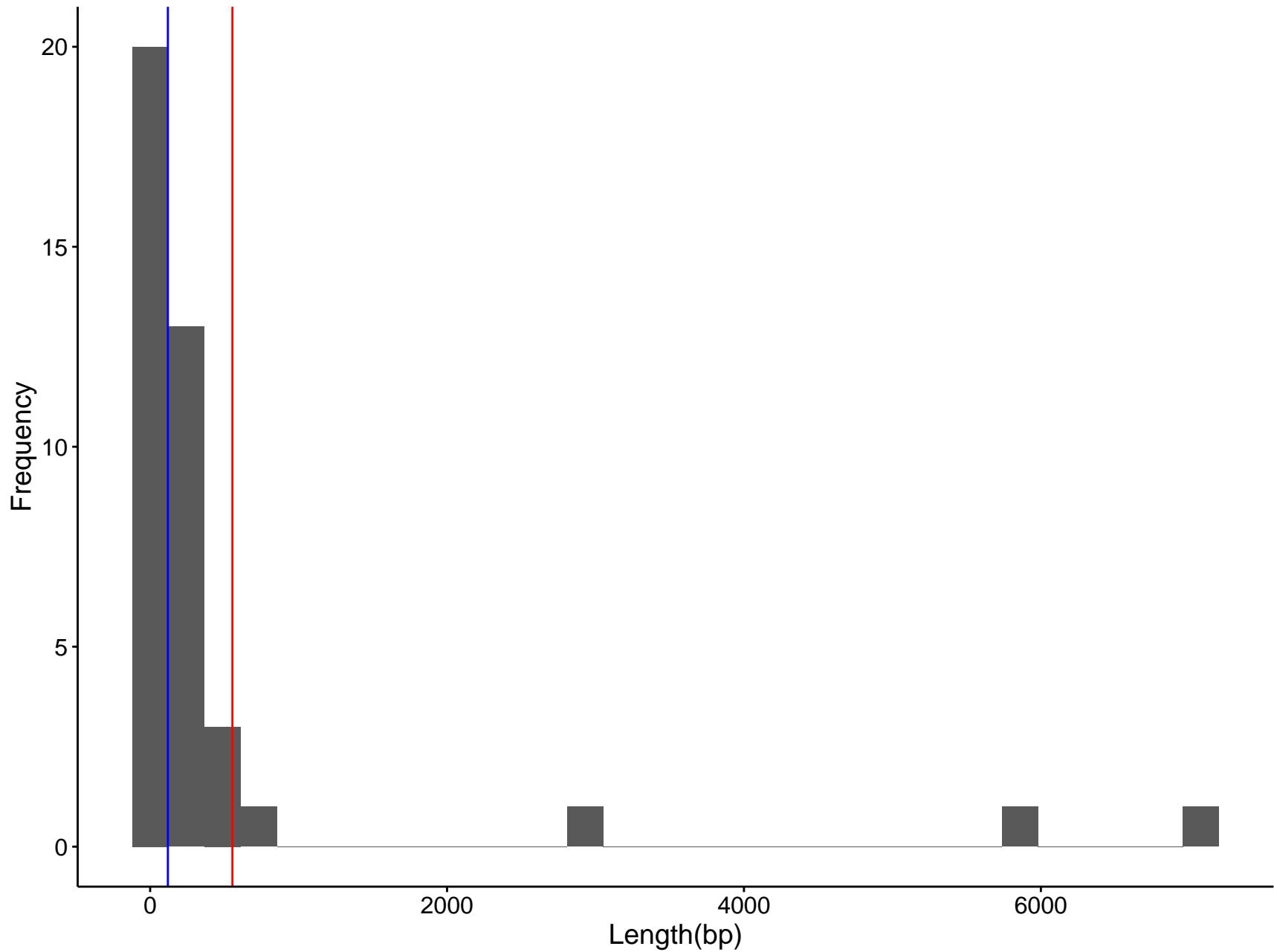
Cluster785



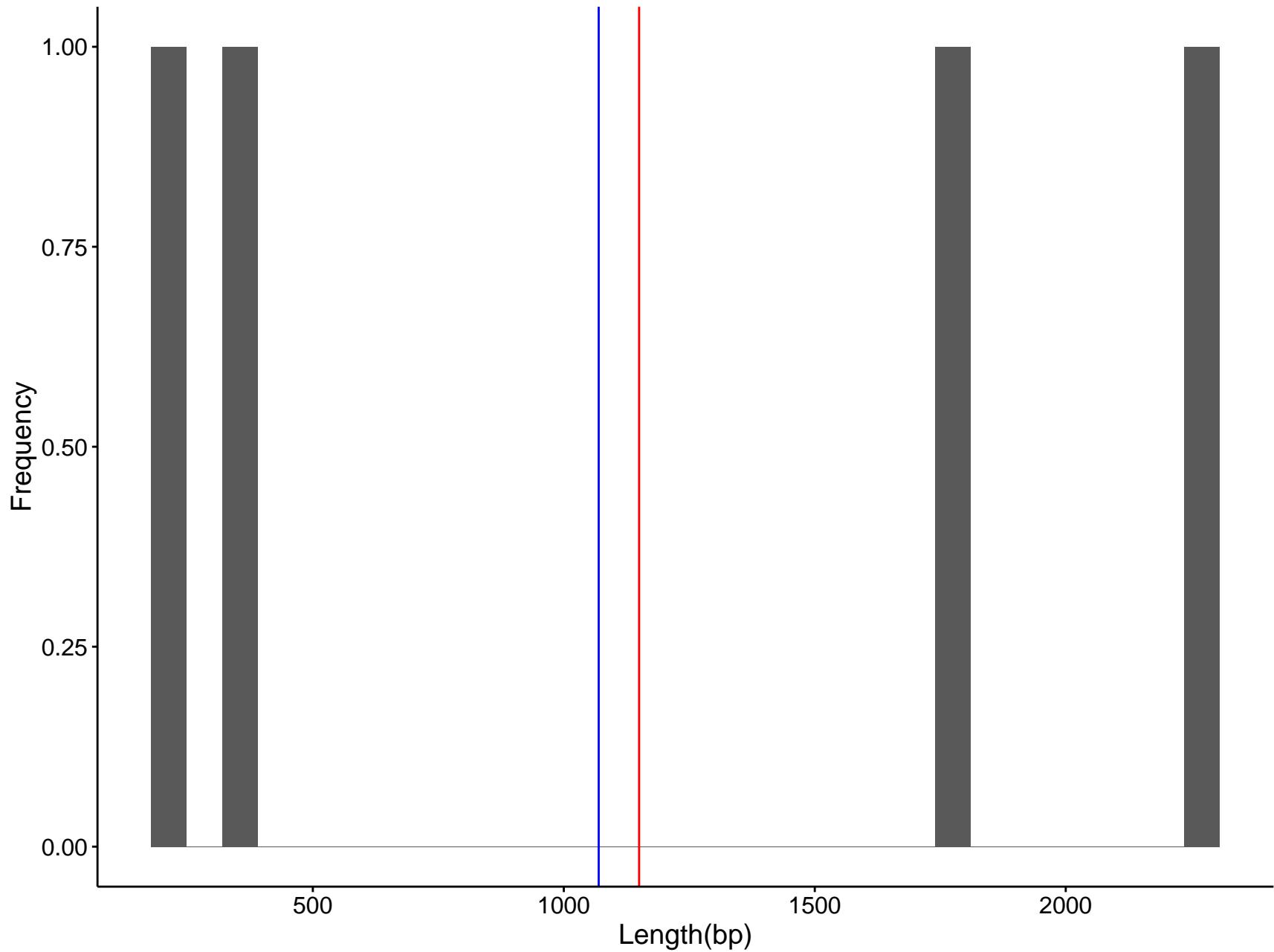
Cluster786



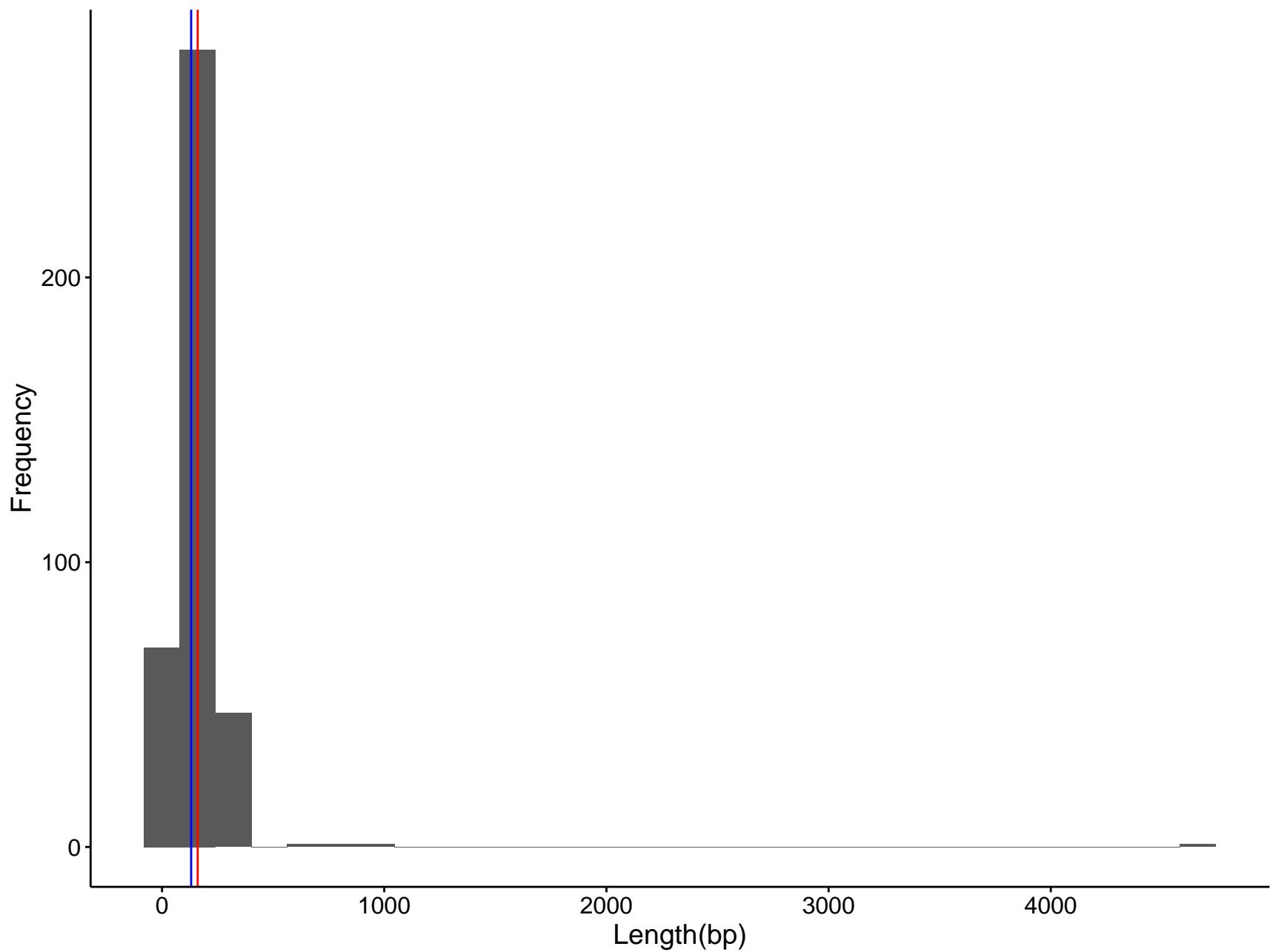
Cluster787



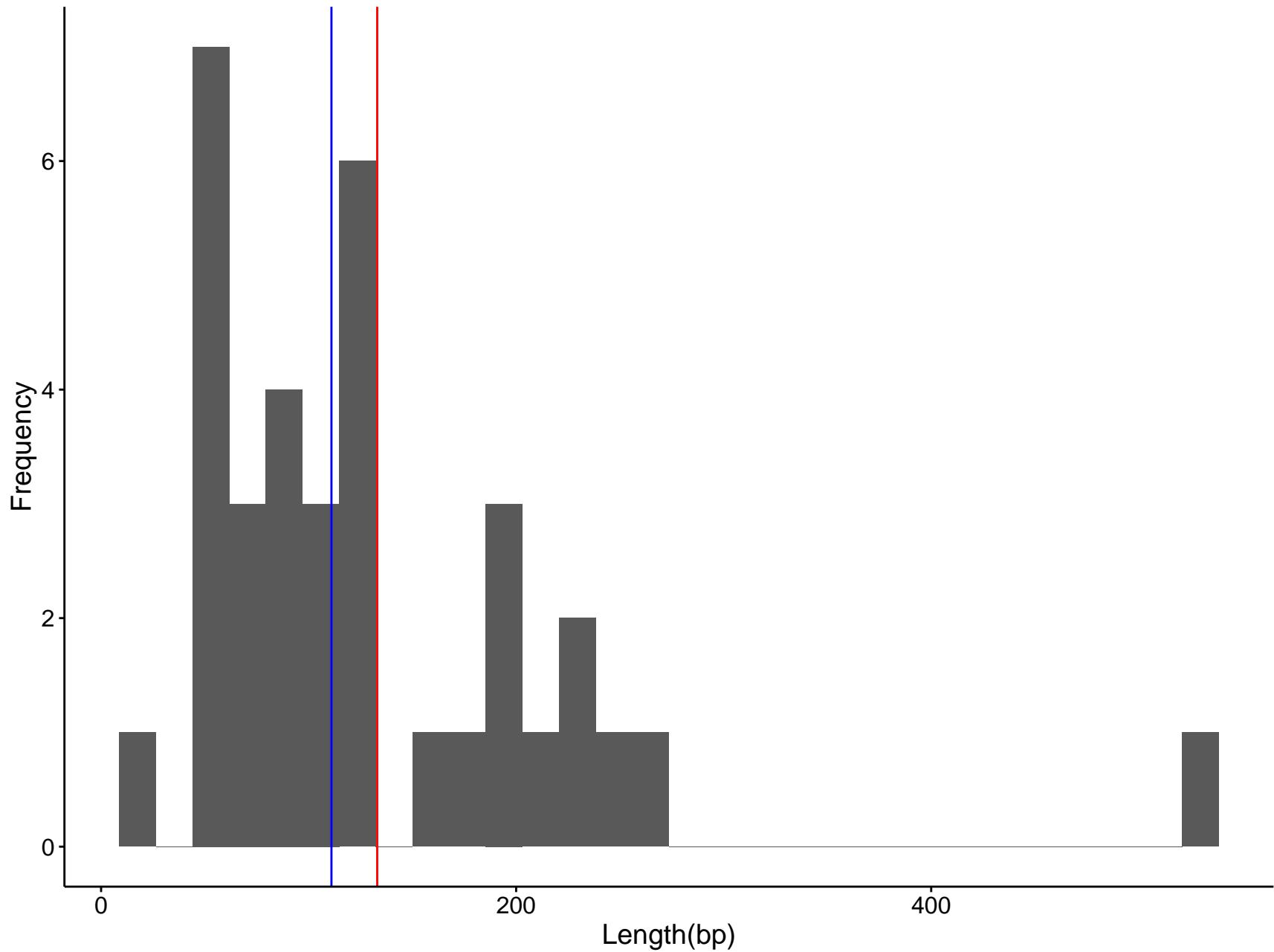
Cluster788



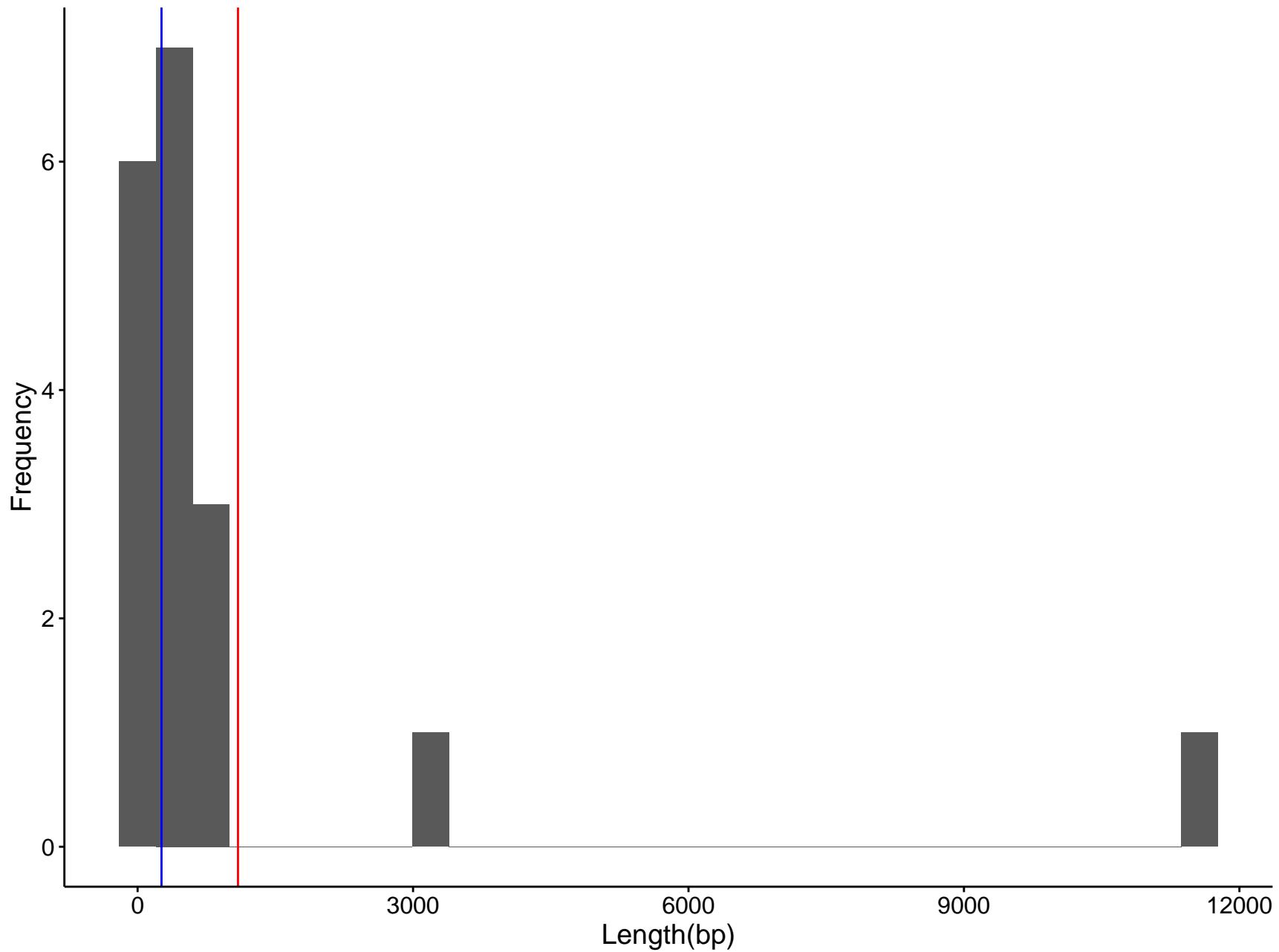
Cluster789



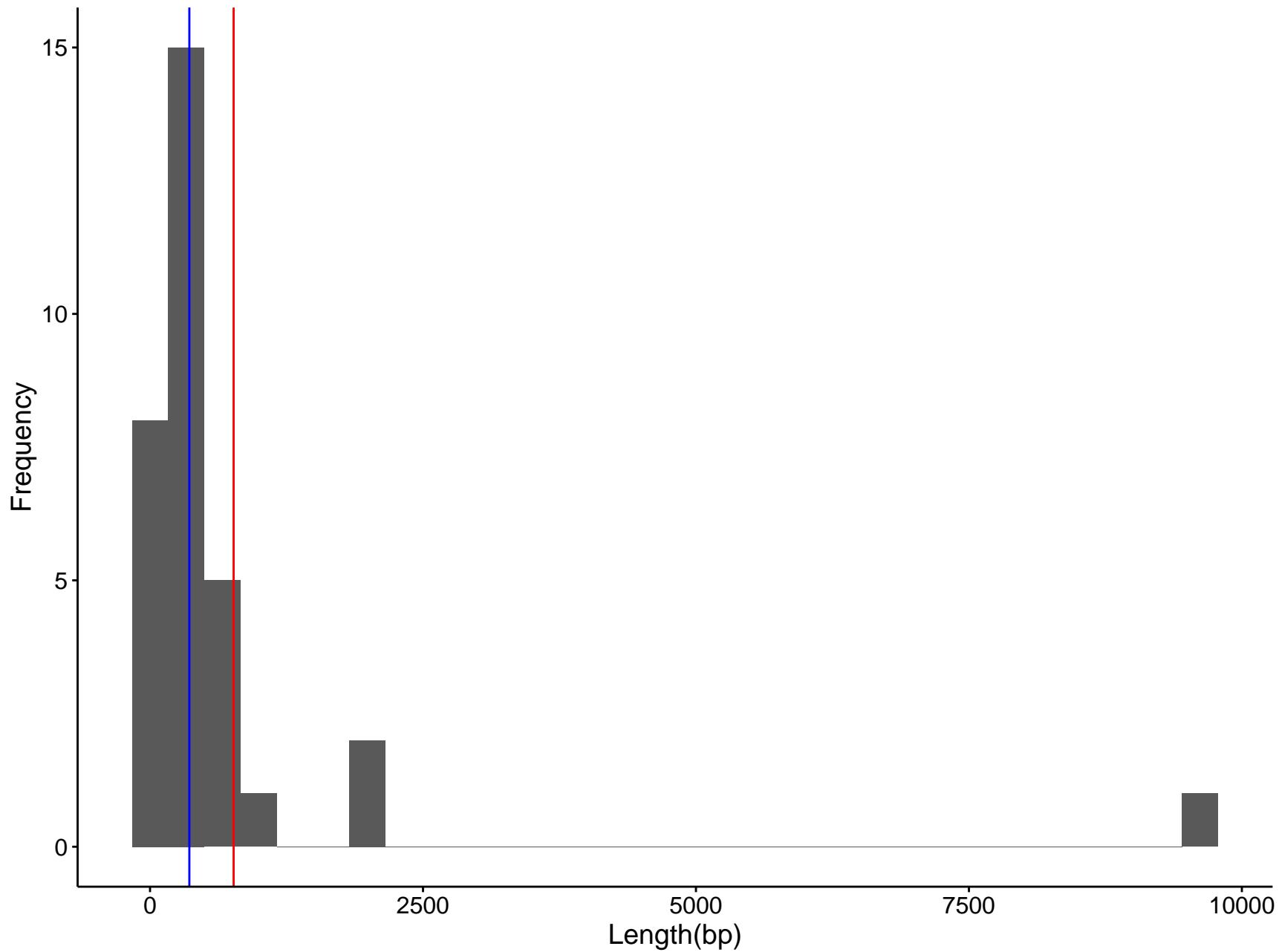
Cluster78



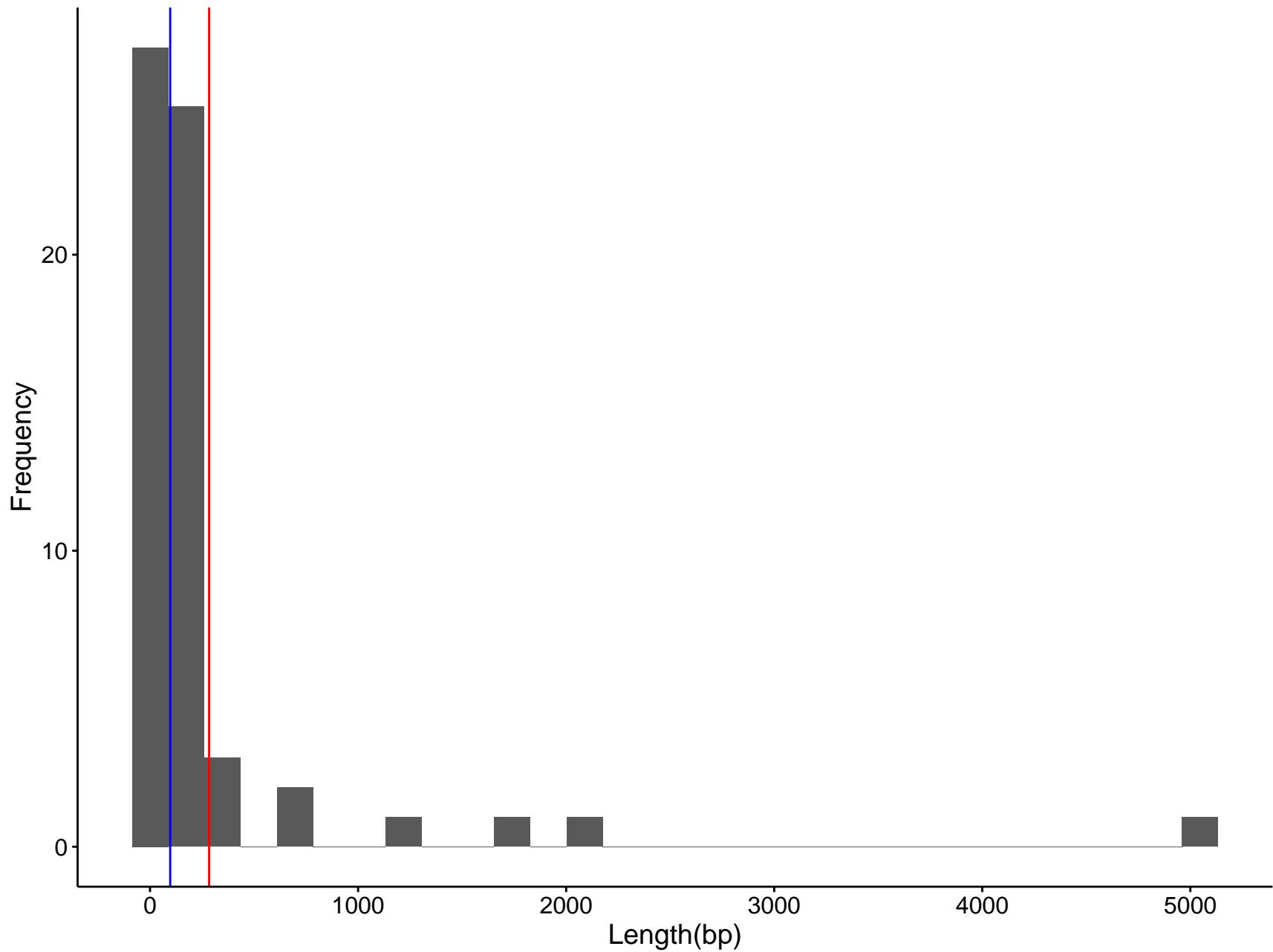
Cluster790



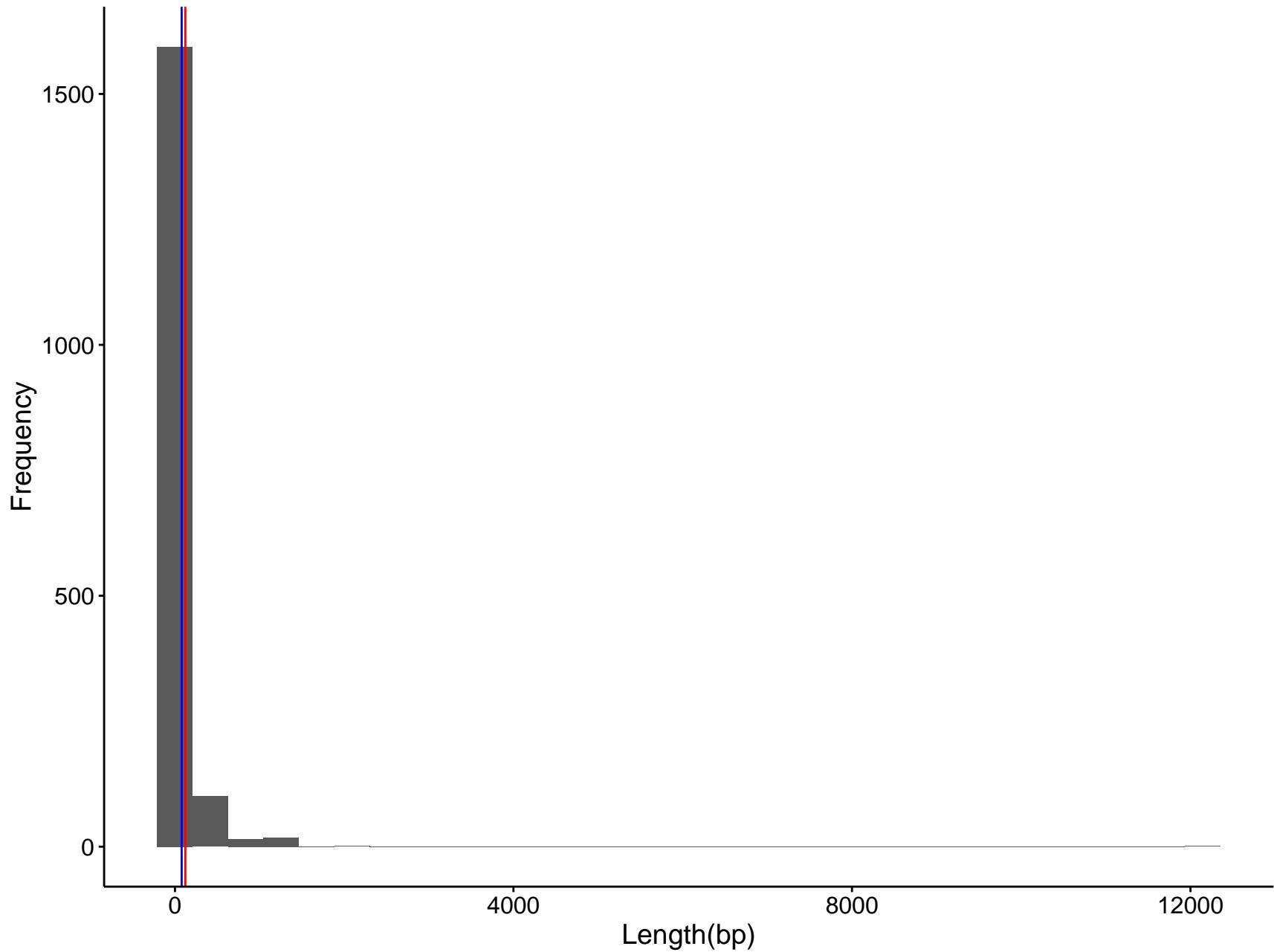
Cluster791



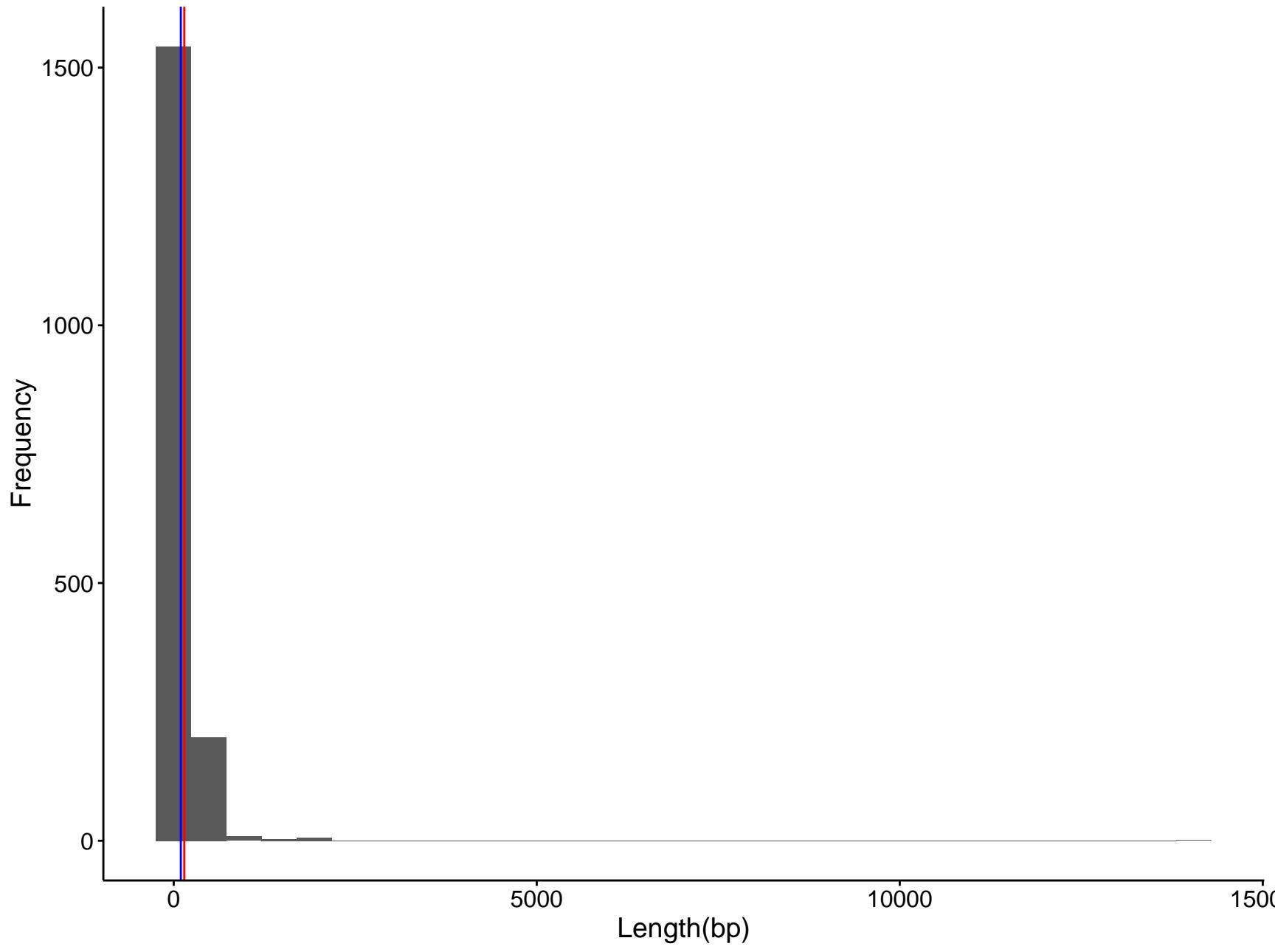
Cluster792

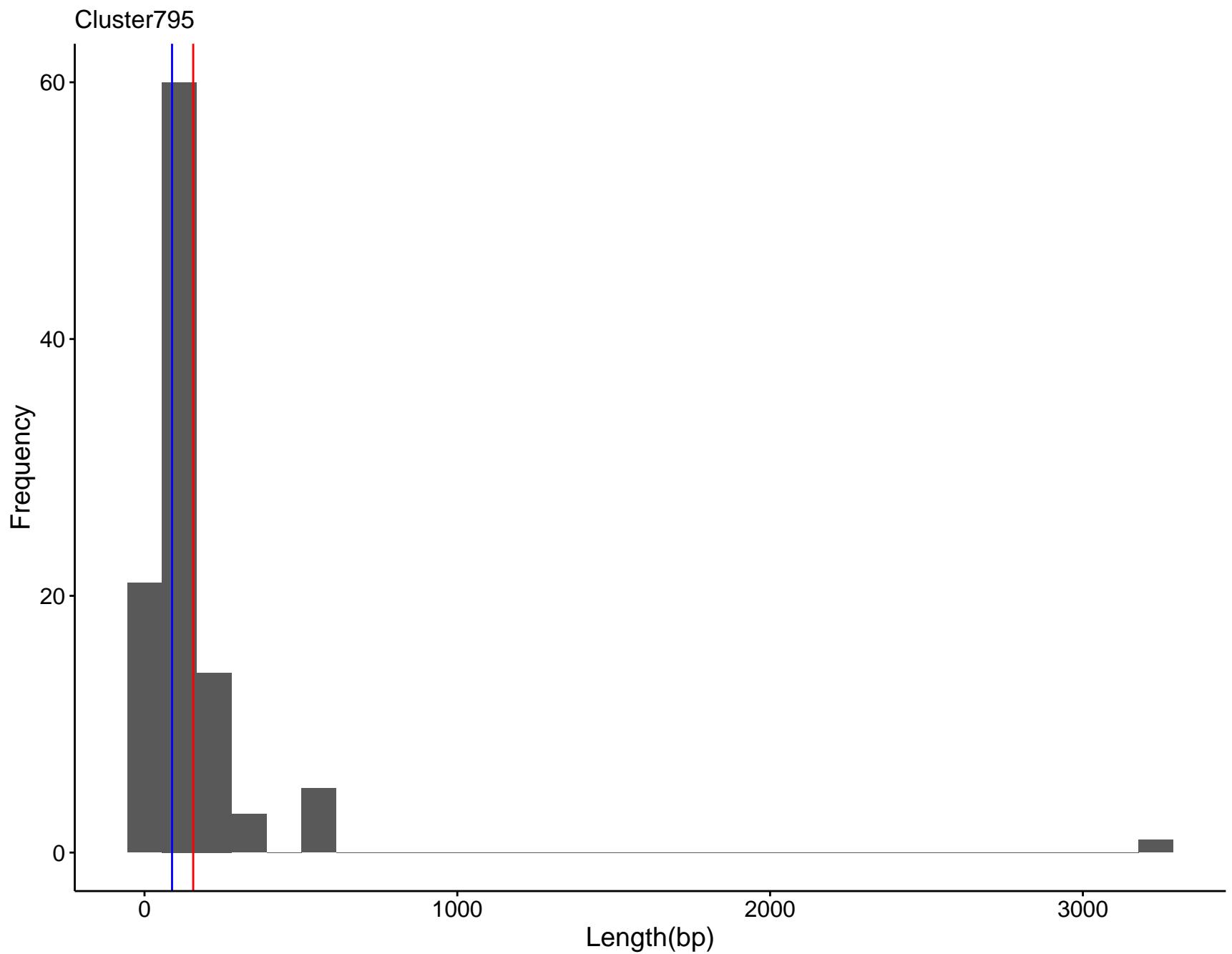


Cluster793

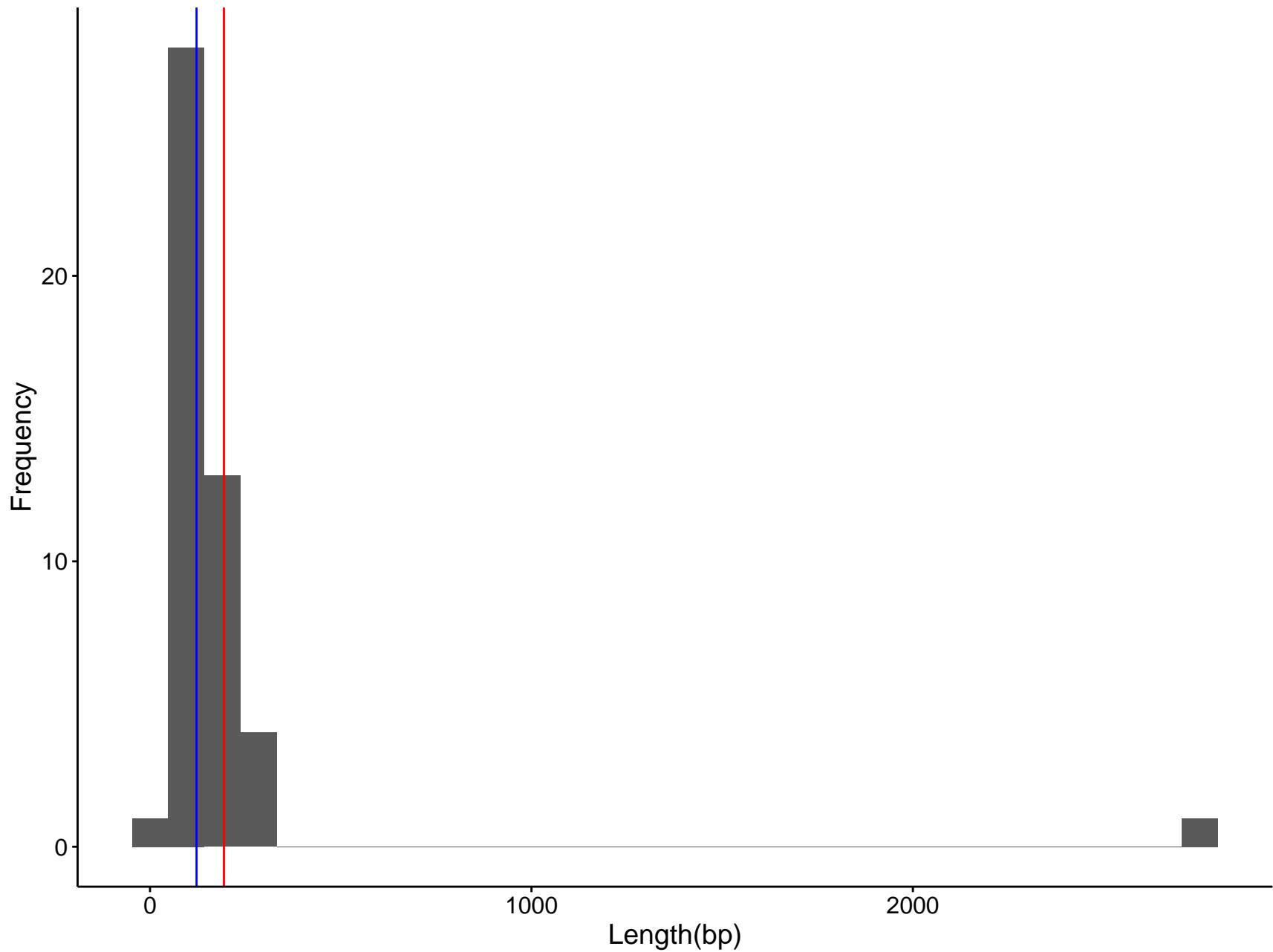


Cluster794

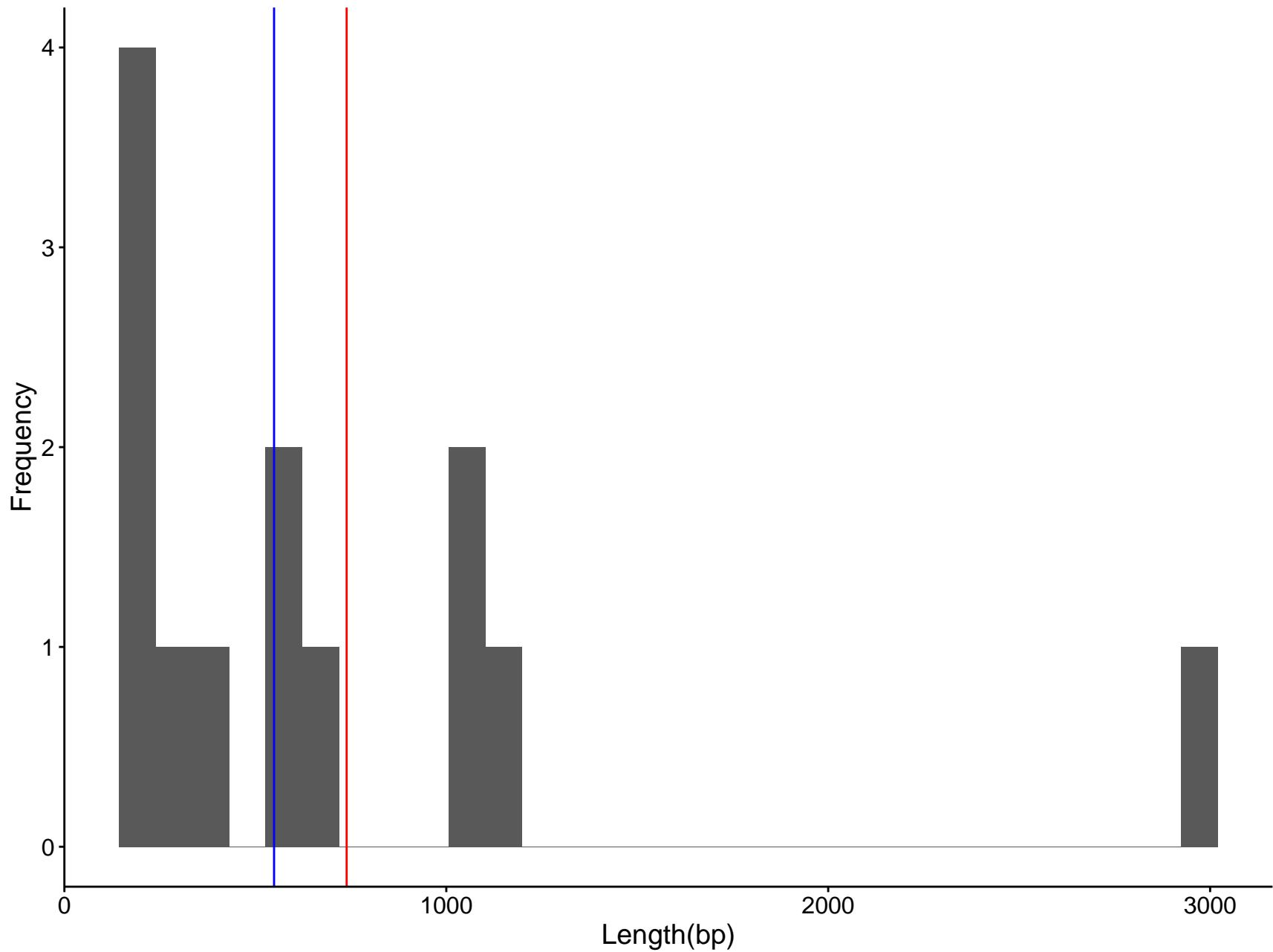




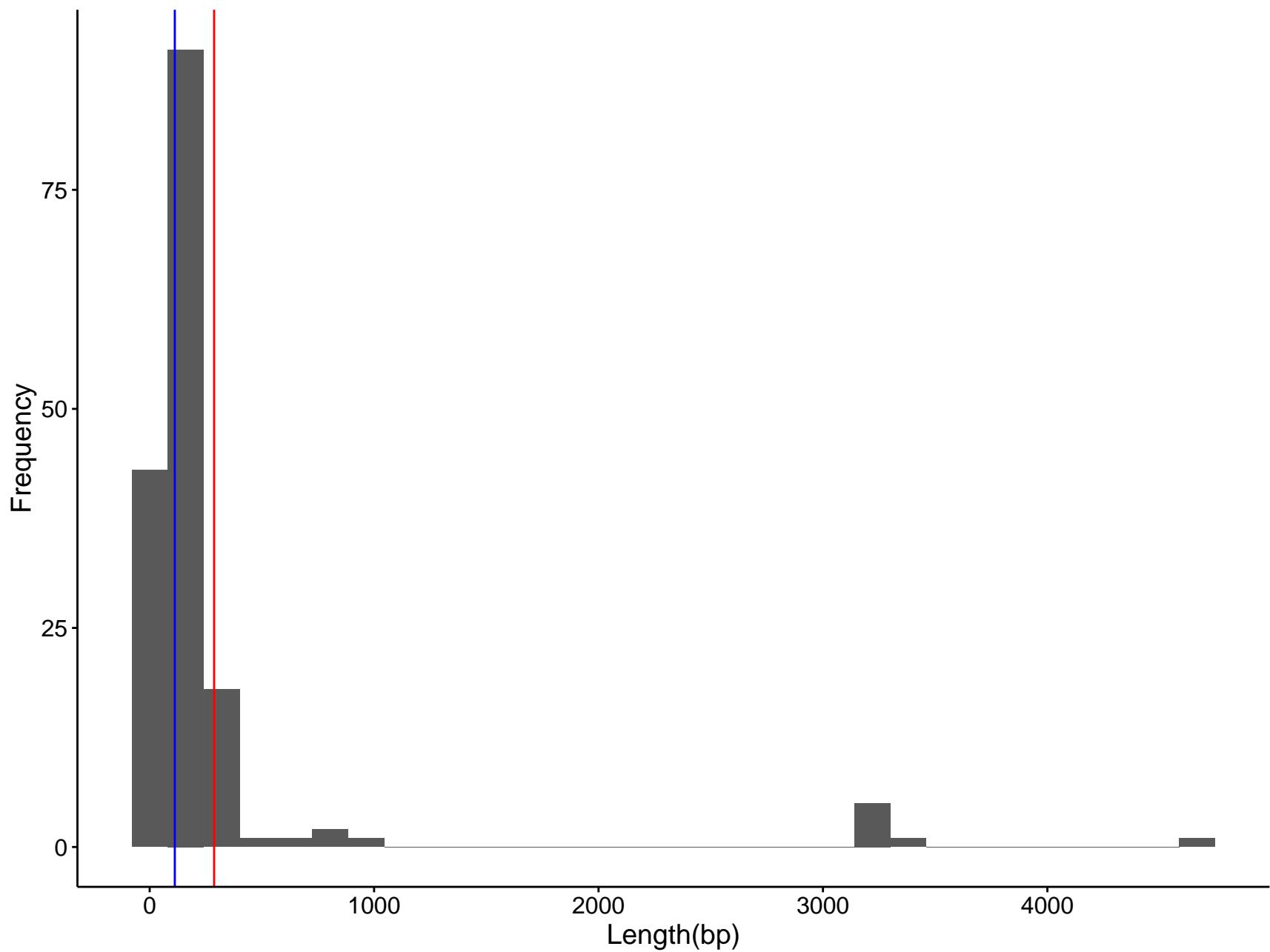
Cluster796



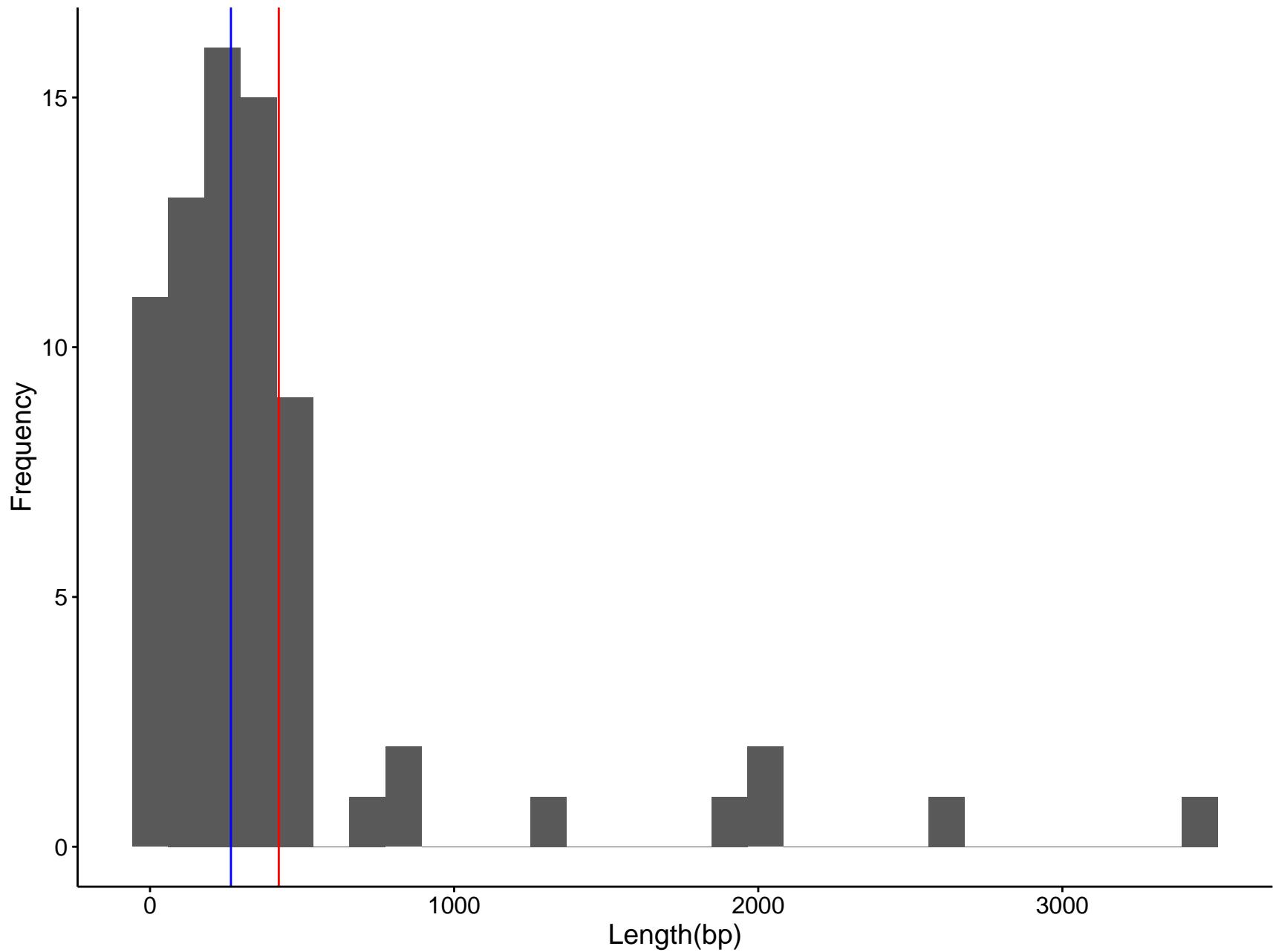
Cluster797



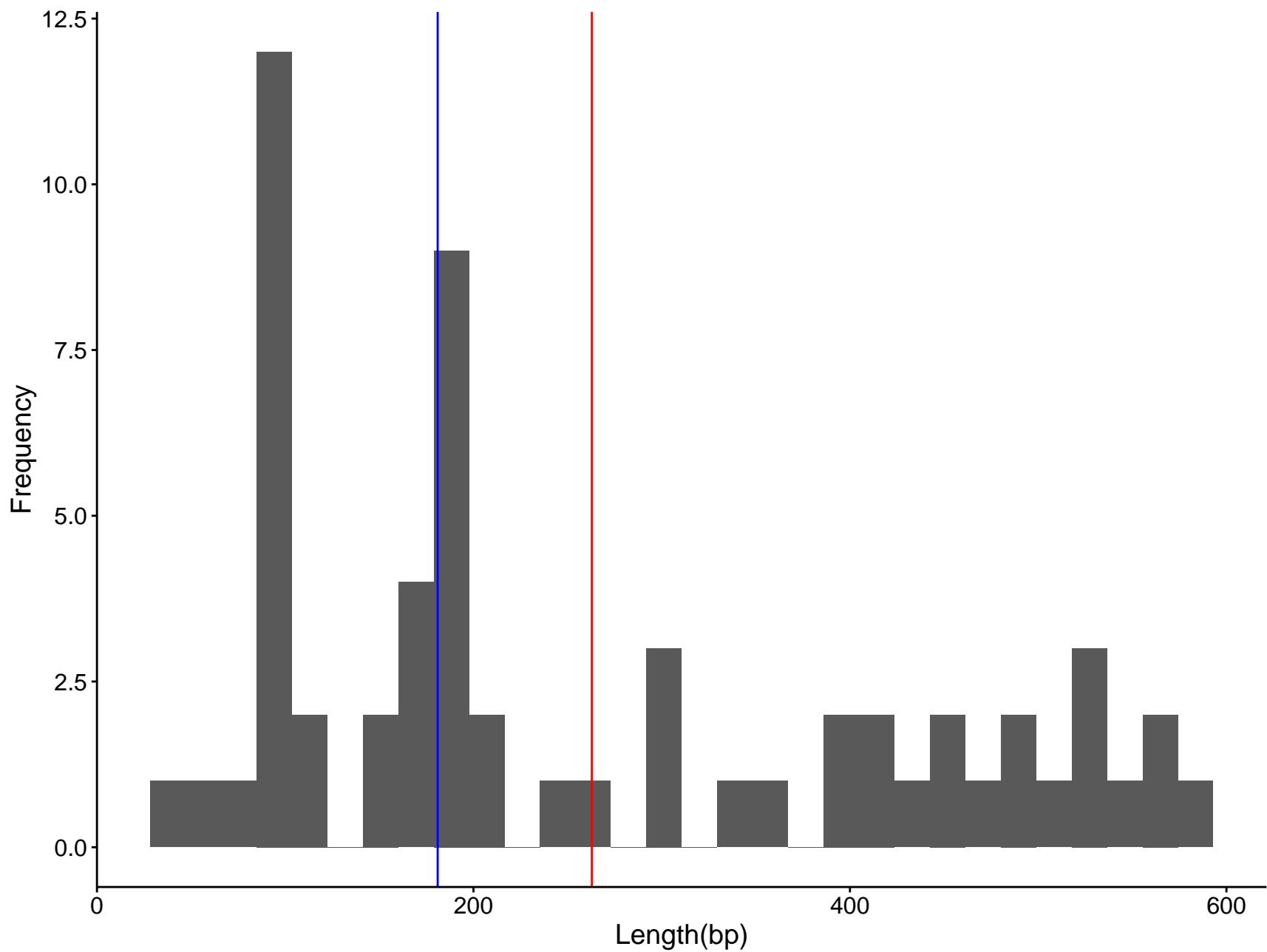
Cluster798



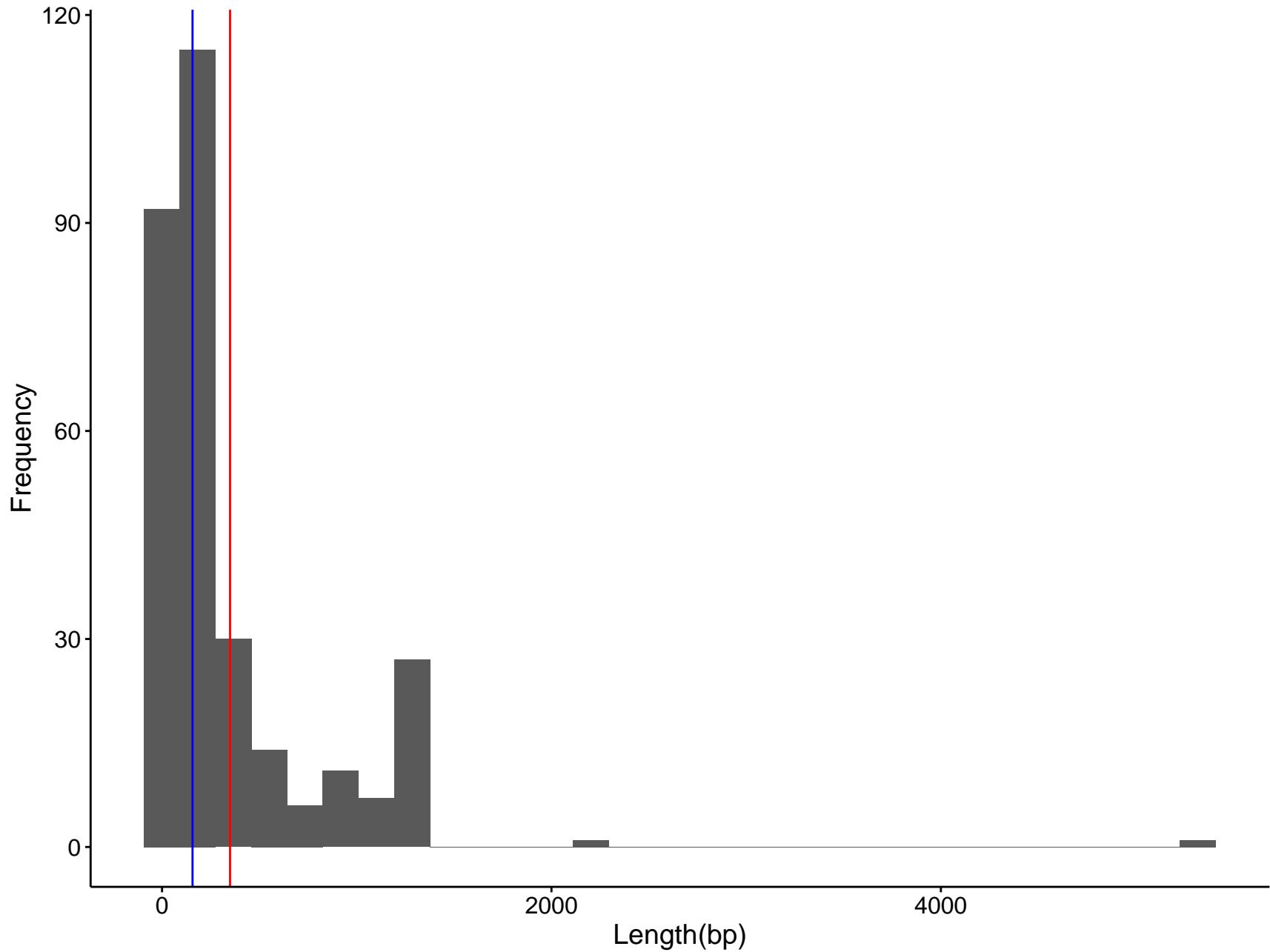
Cluster799



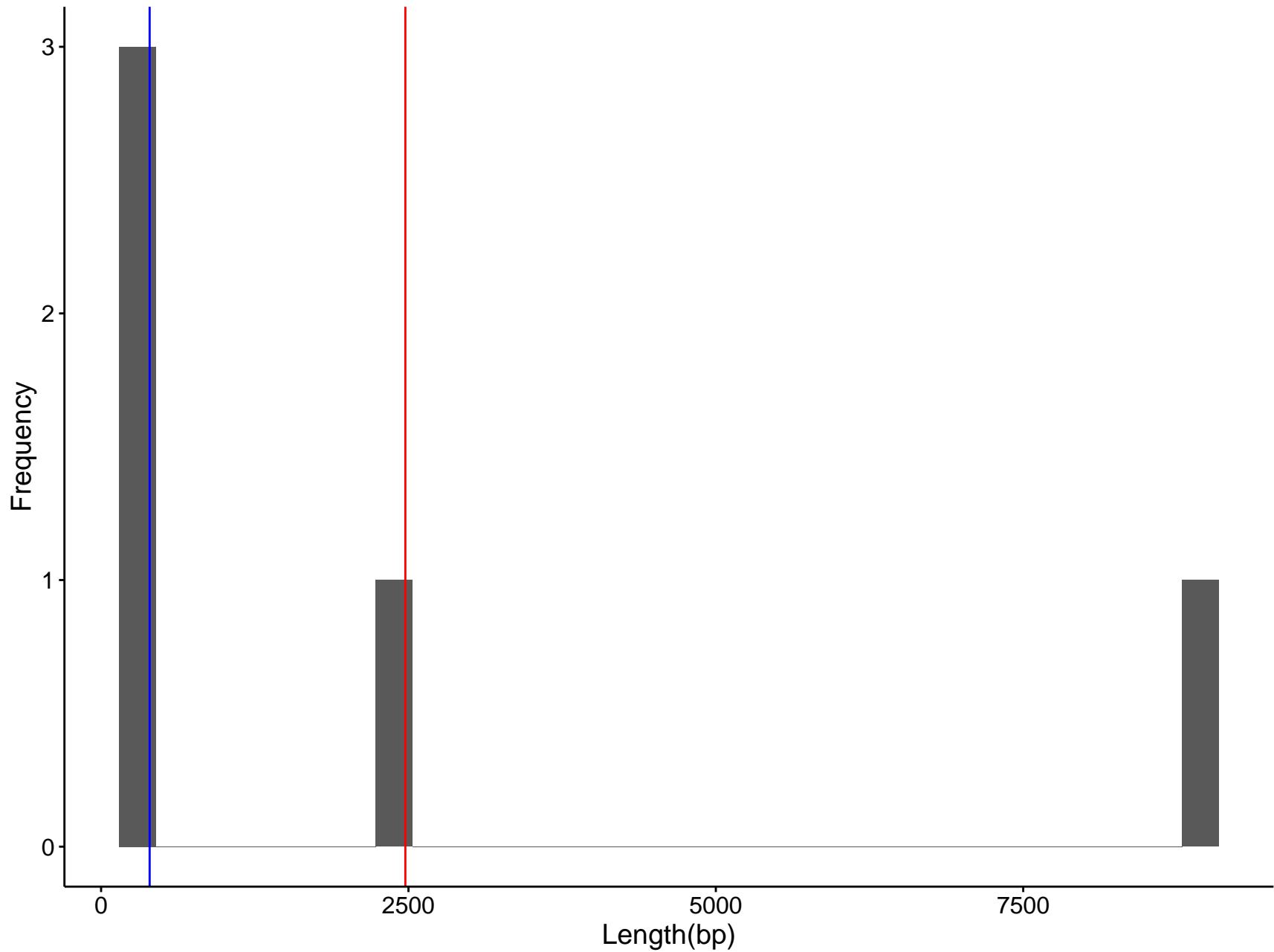
Cluster79



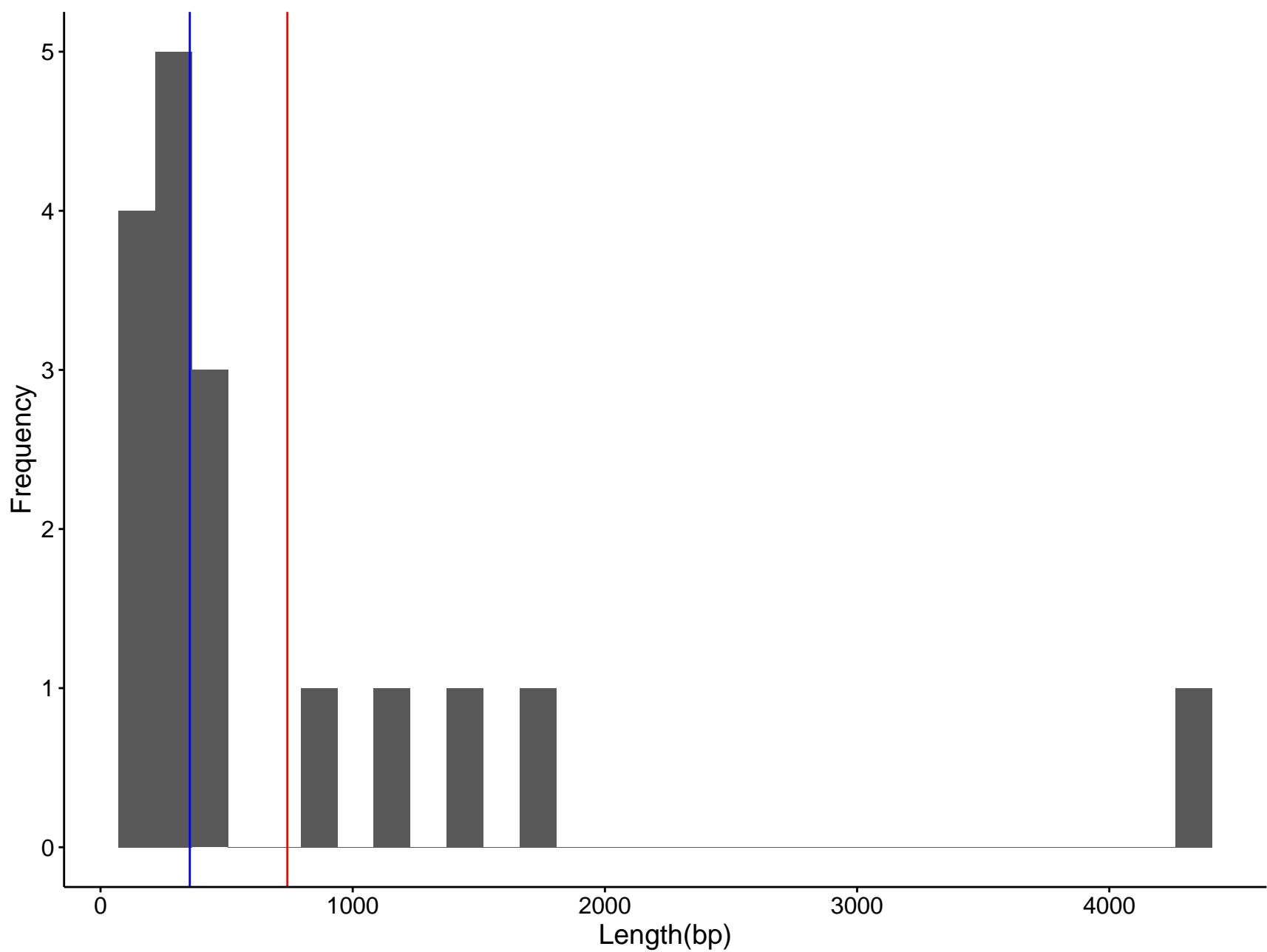
Cluster800



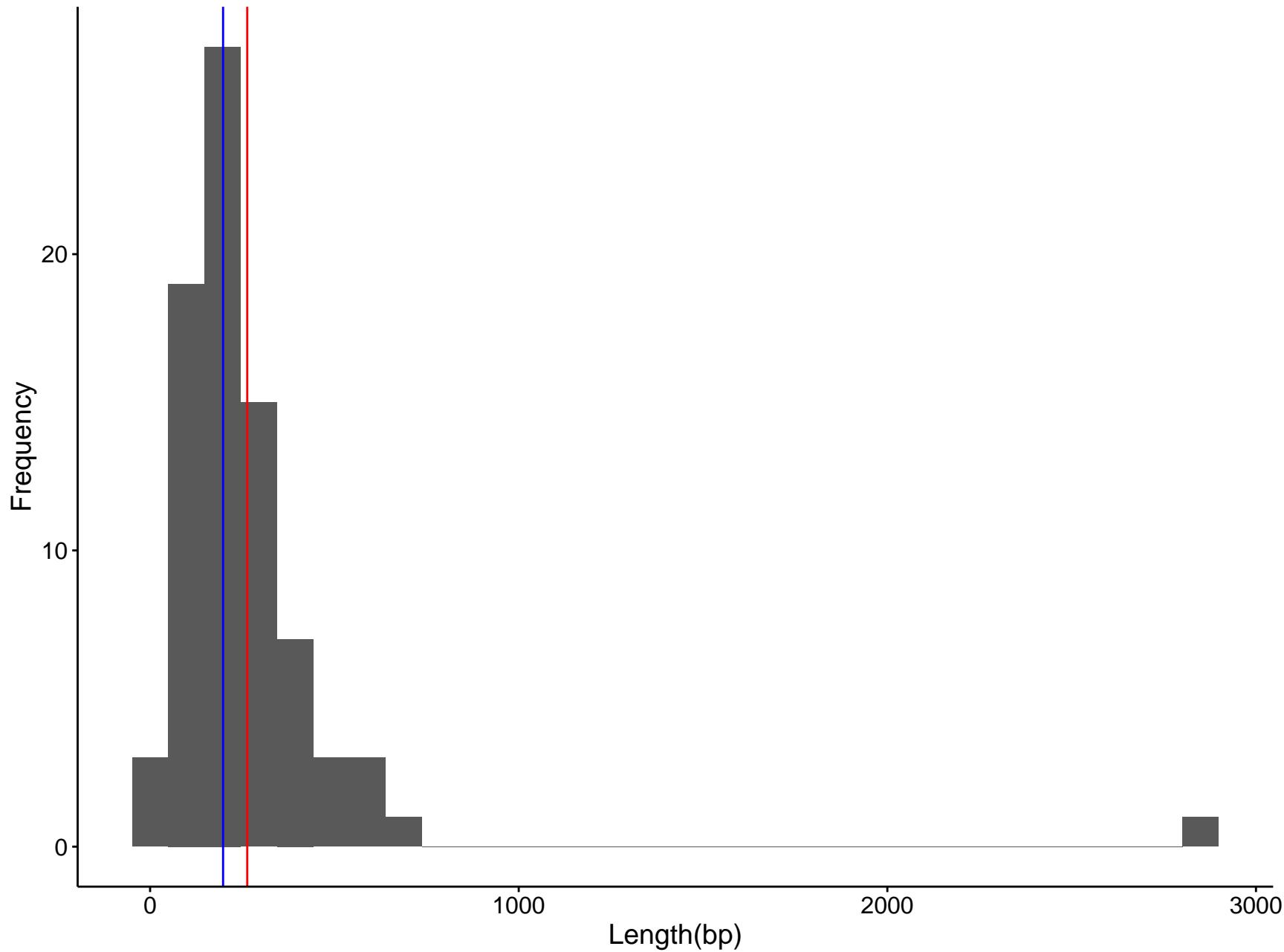
Cluster801



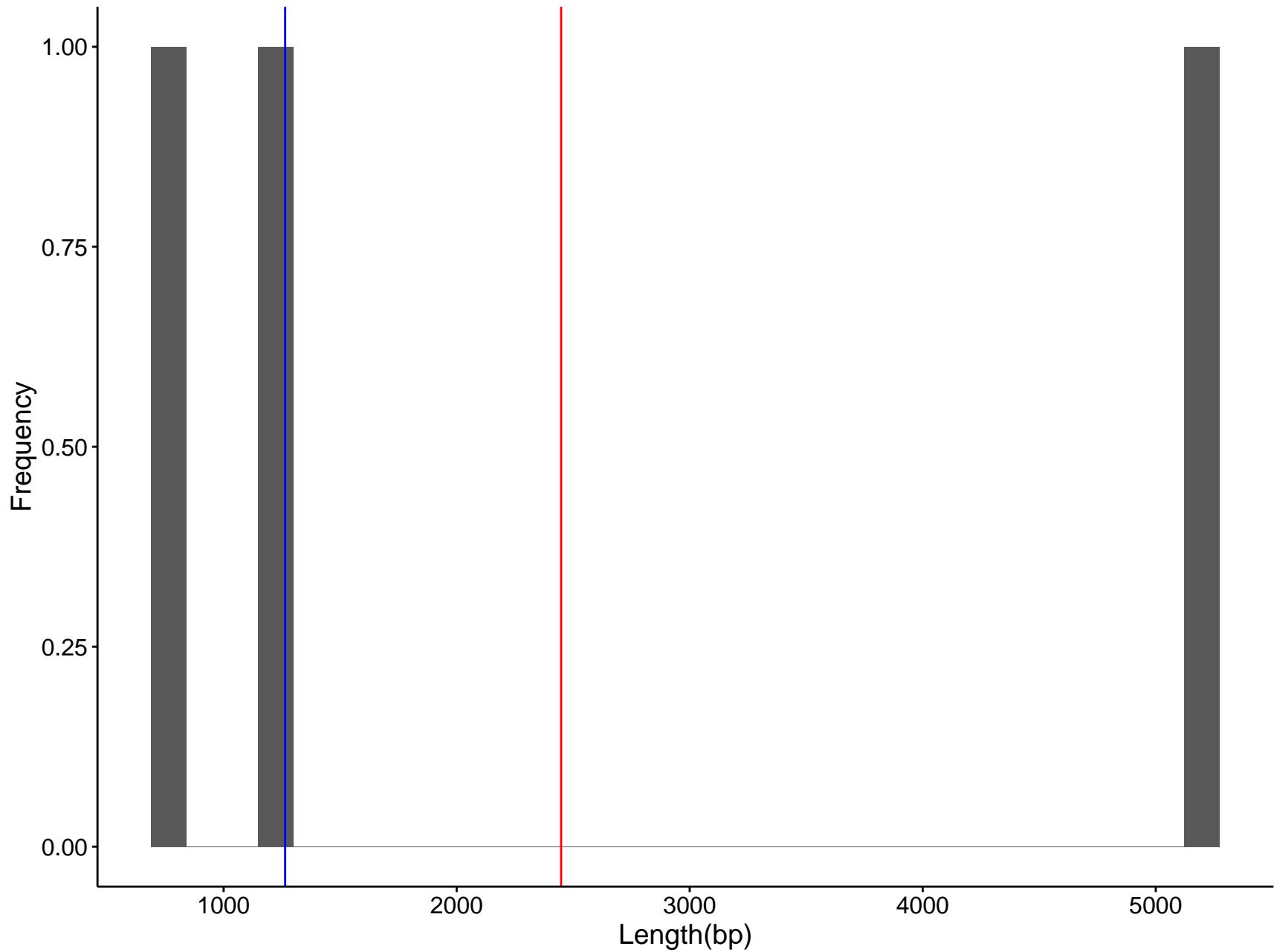
Cluster802



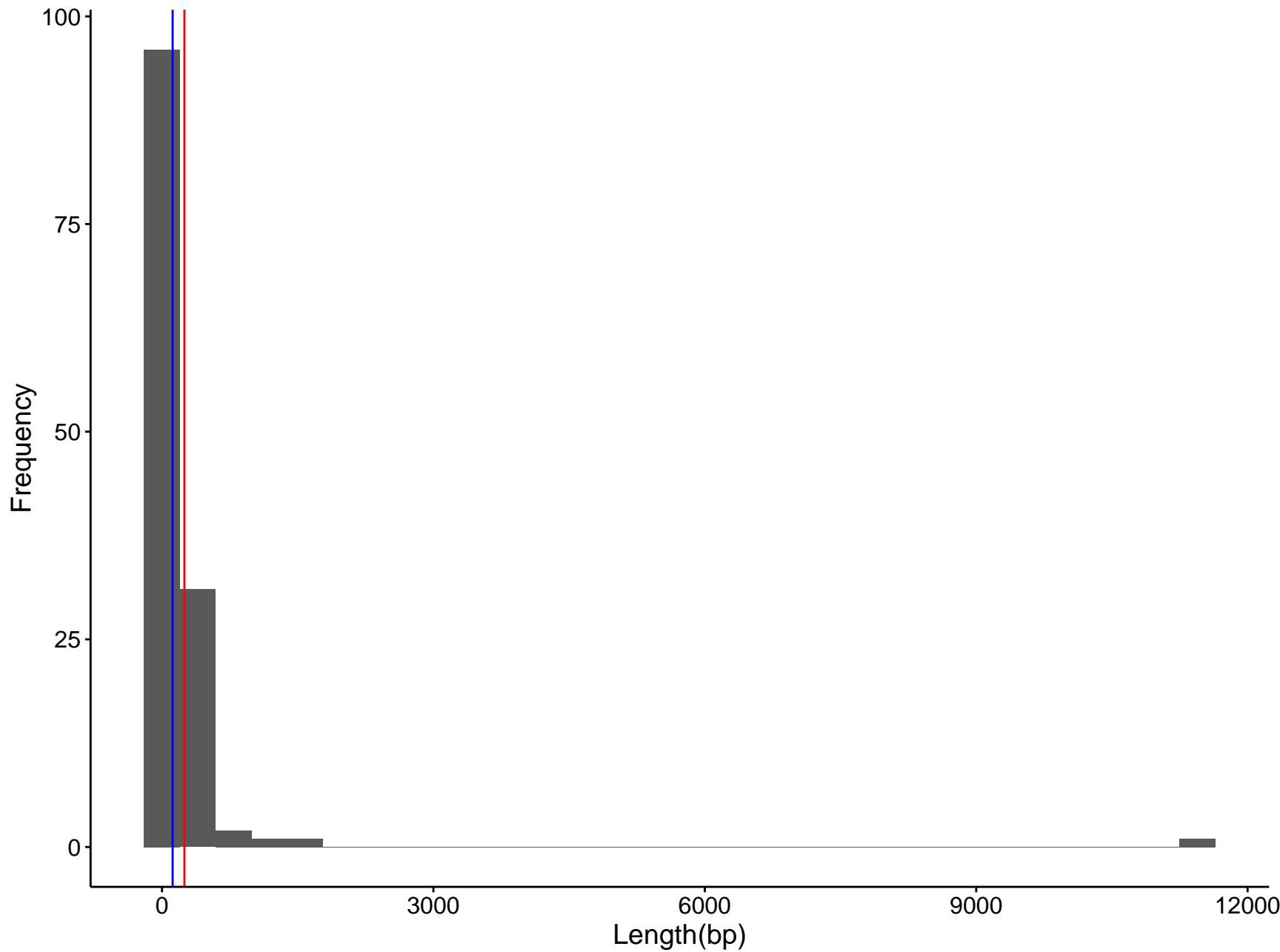
Cluster803



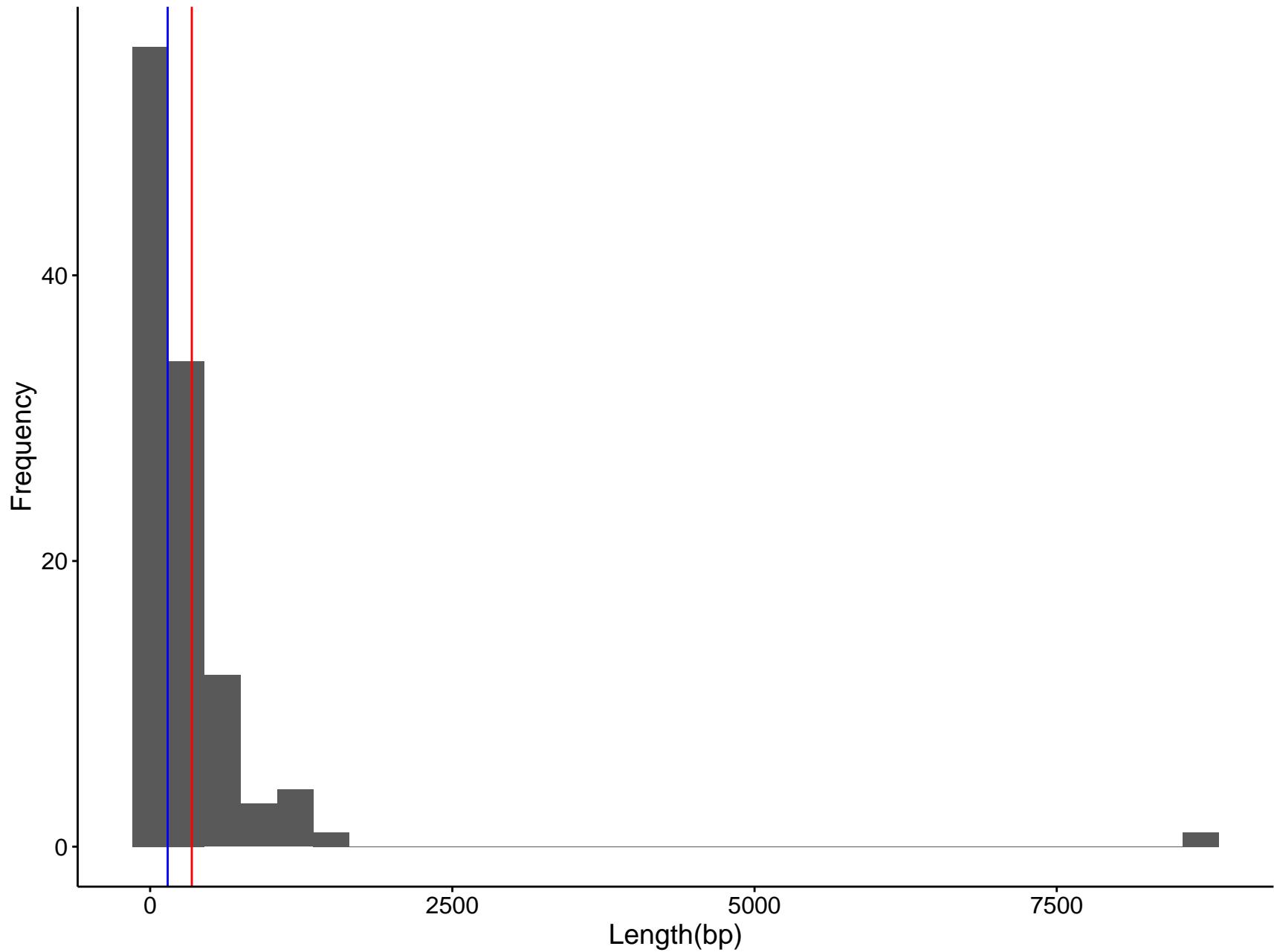
Cluster804



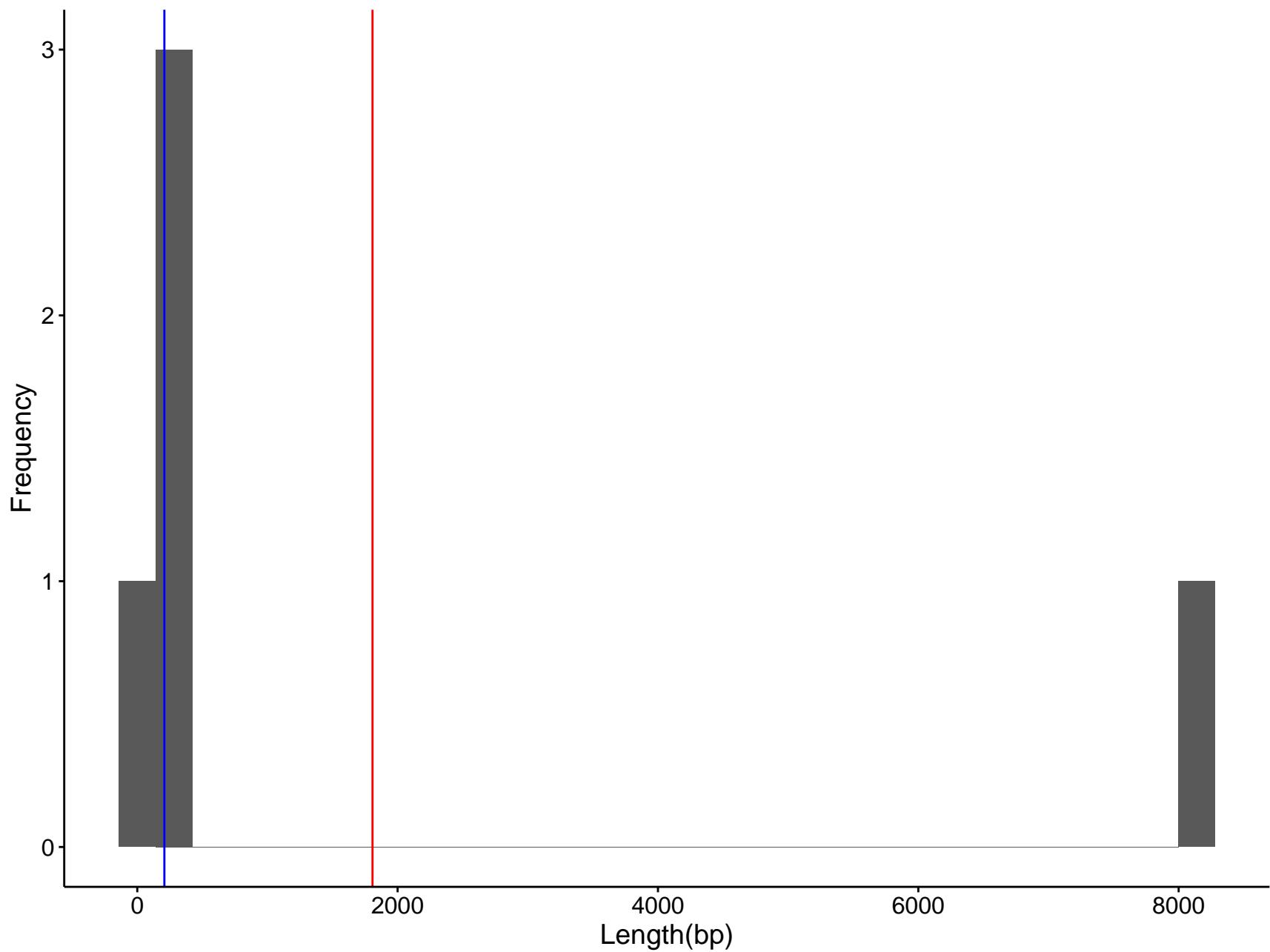
Cluster805

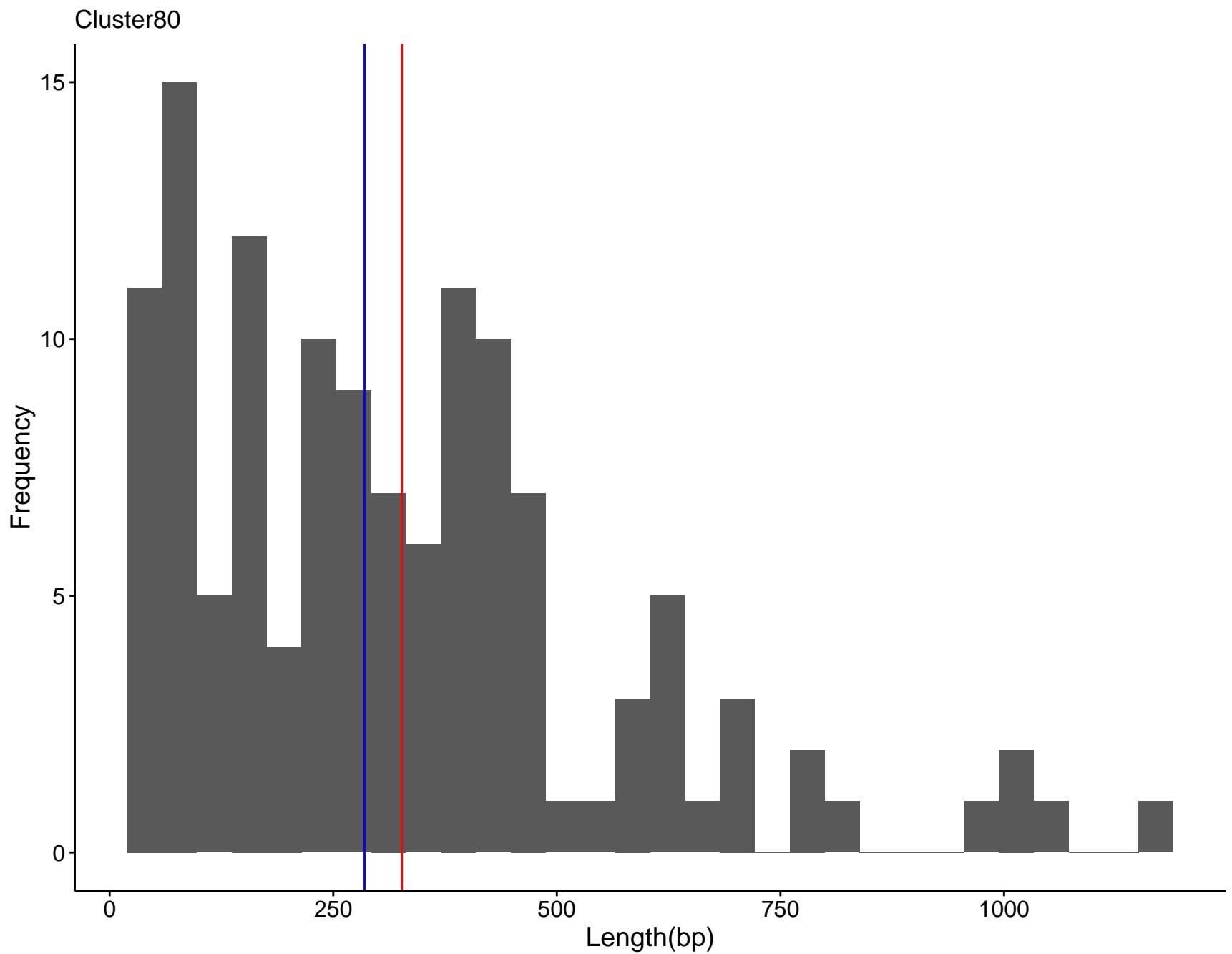


Cluster806

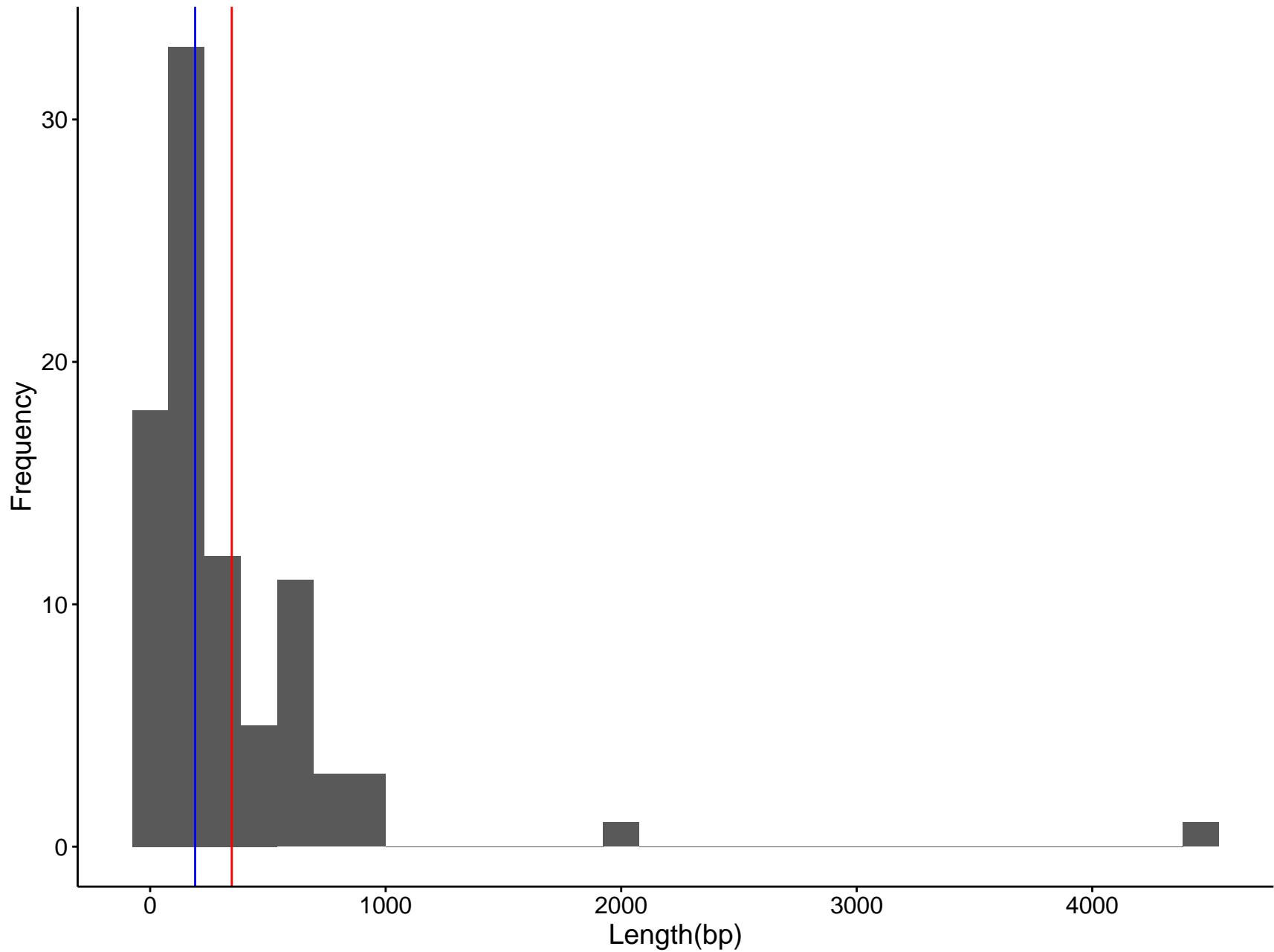


Cluster808

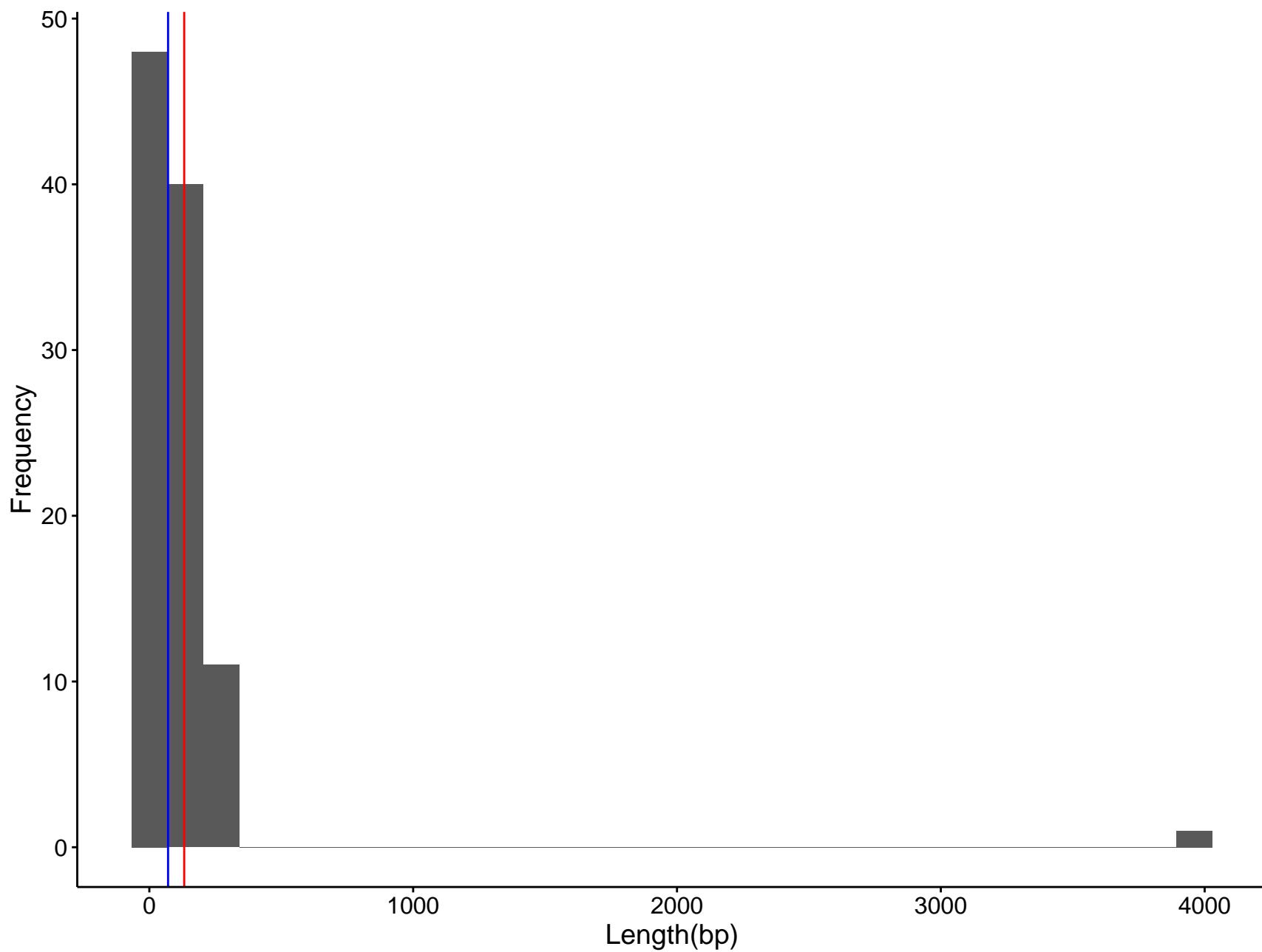




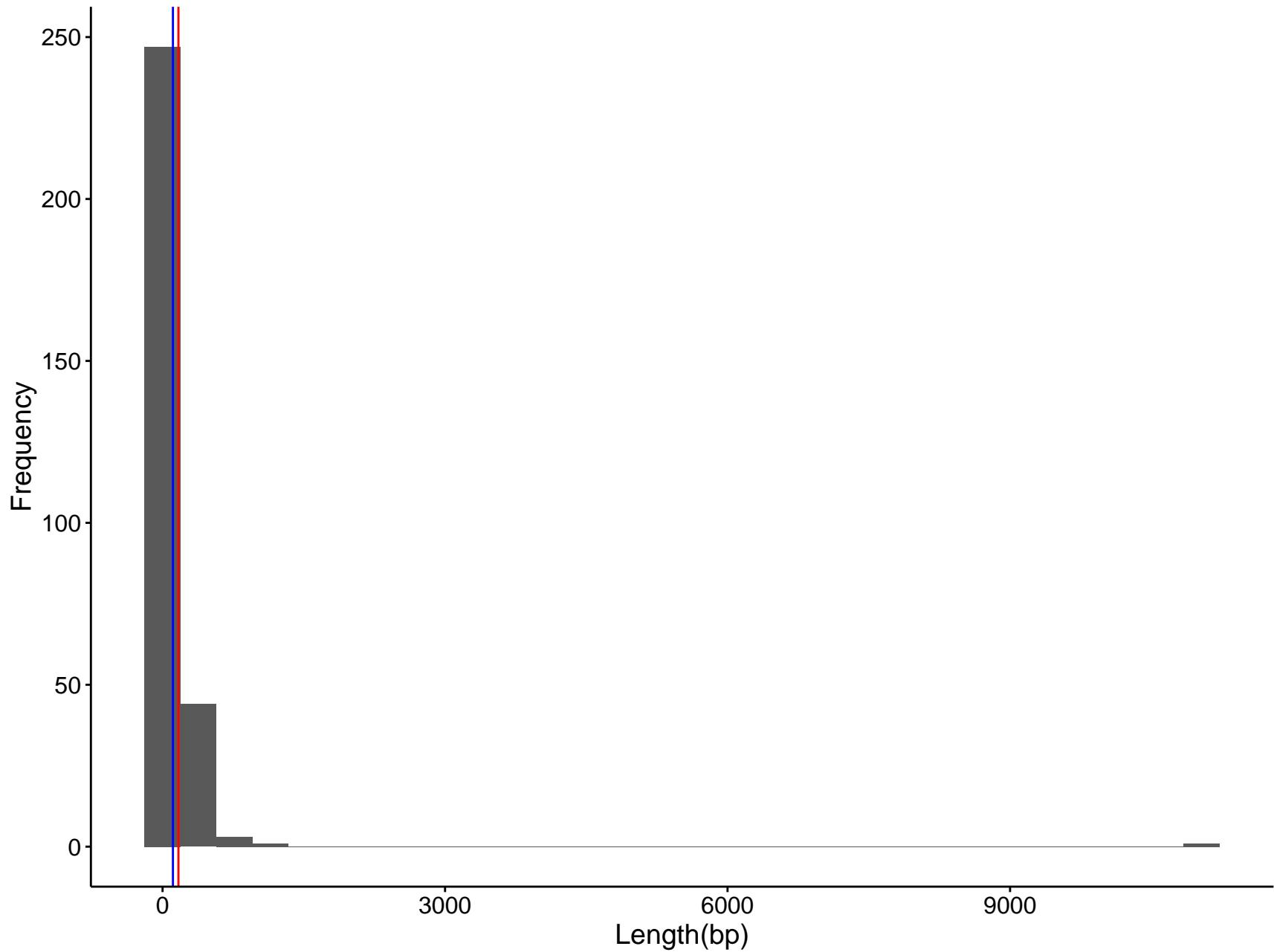
Cluster810



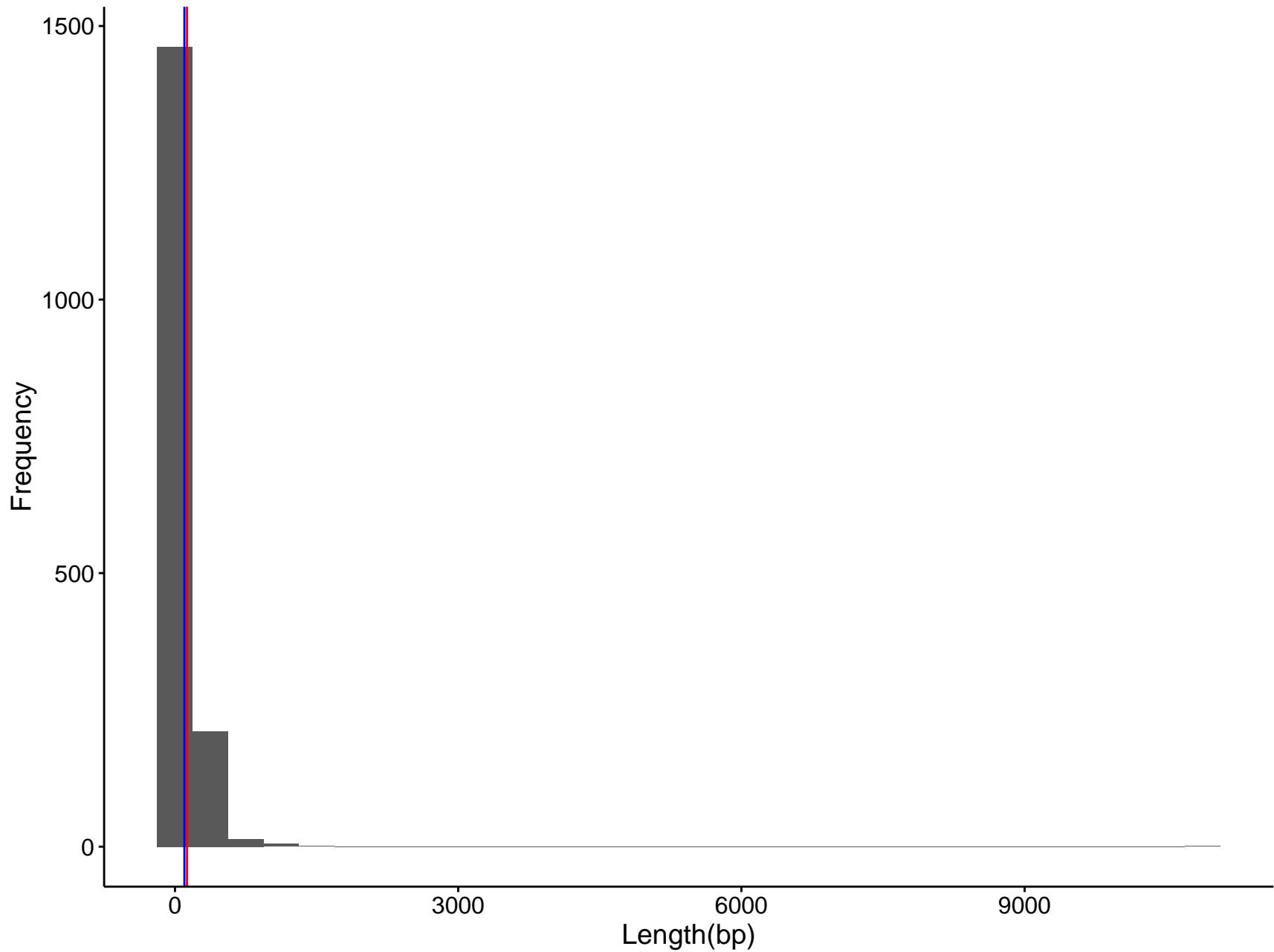
Cluster811



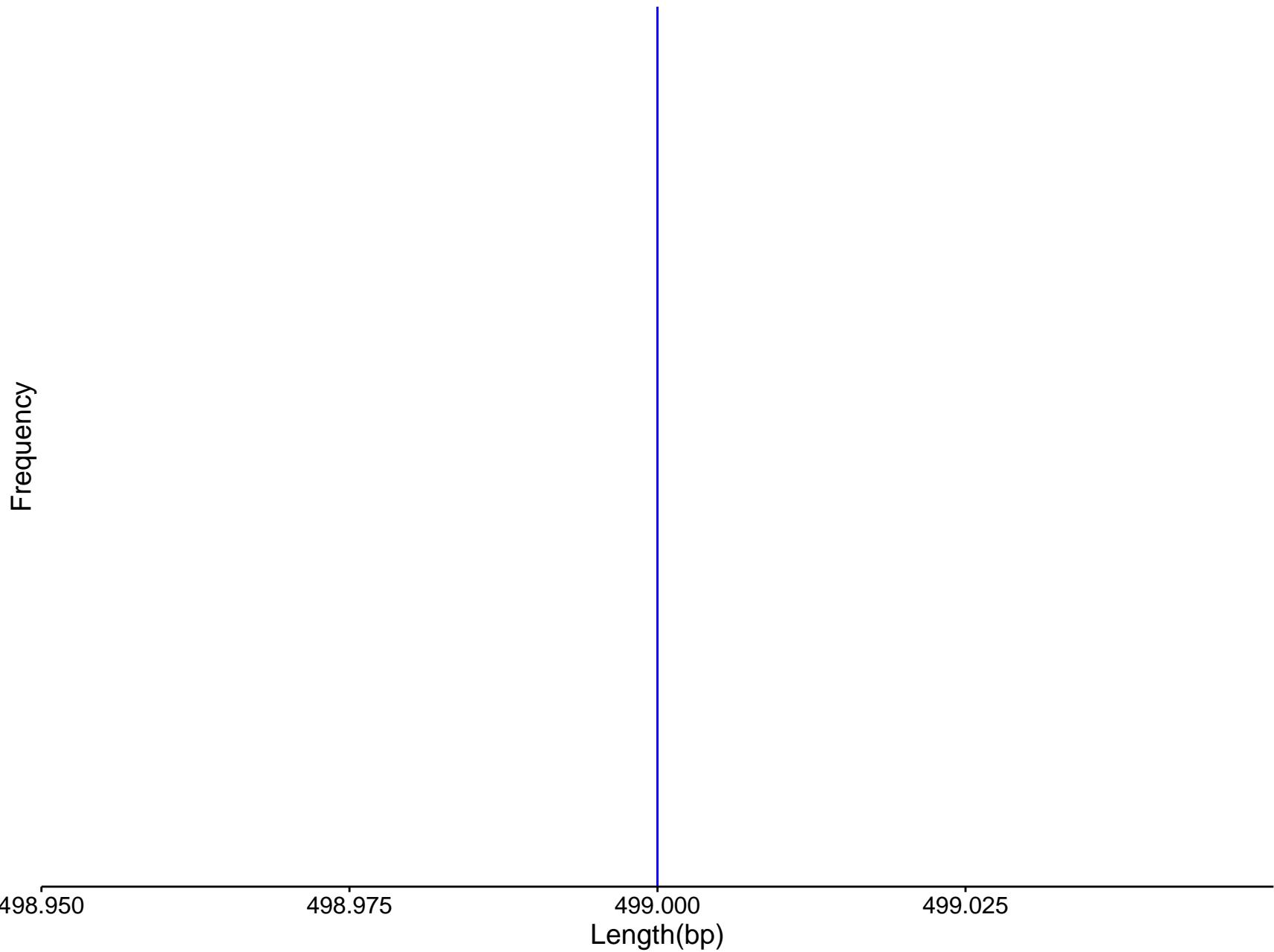
Cluster812



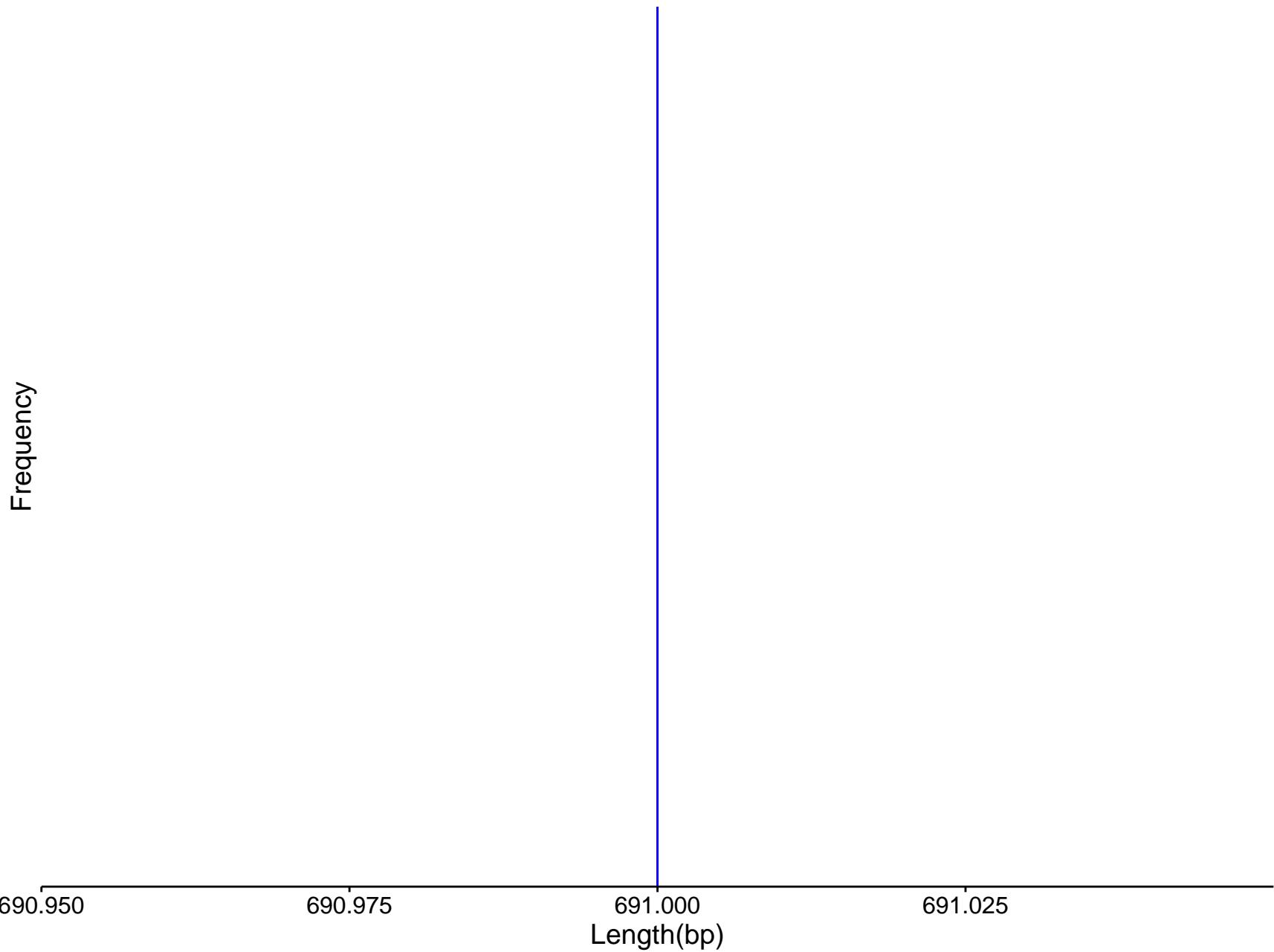
Cluster813



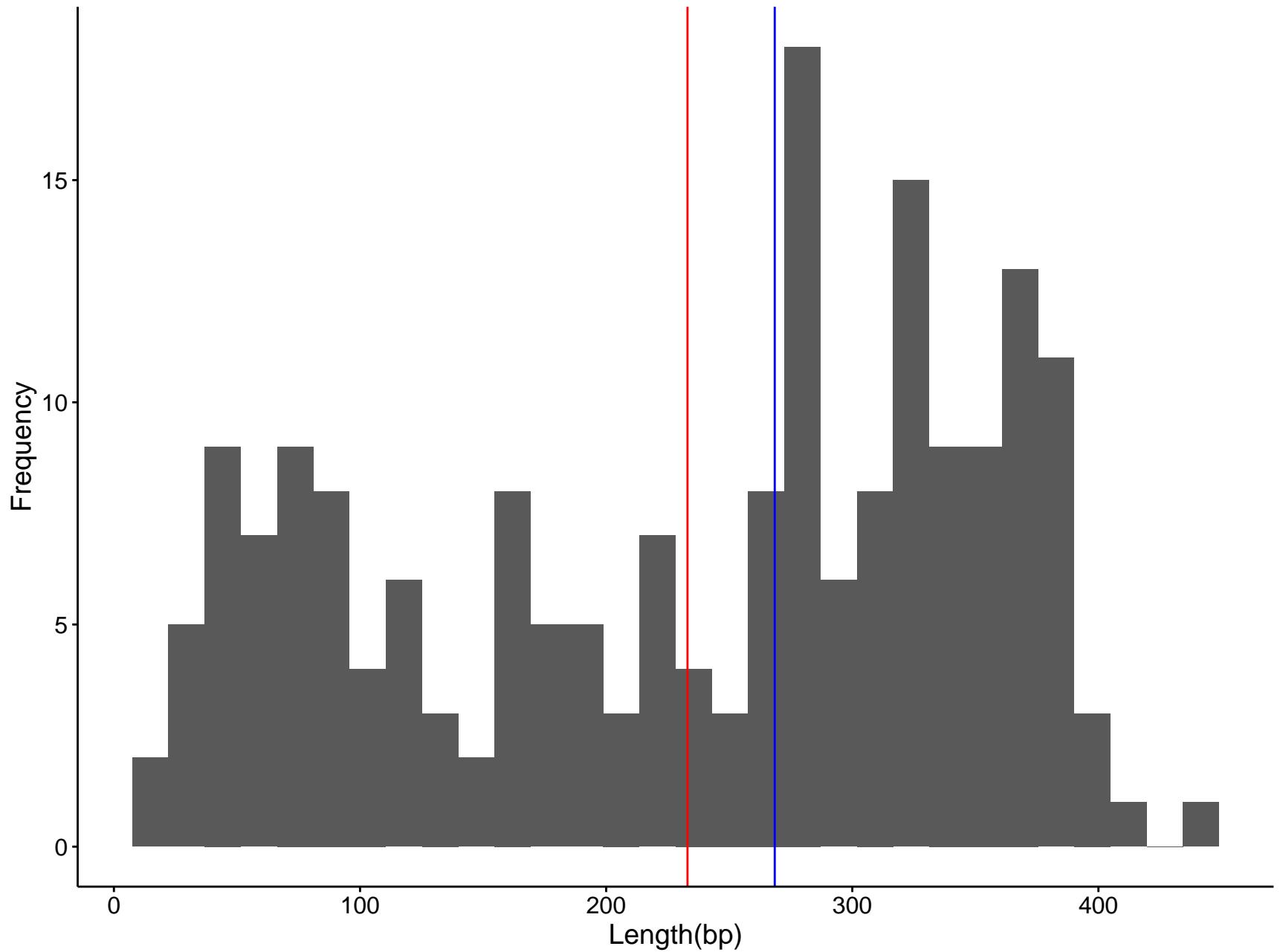
Cluster814



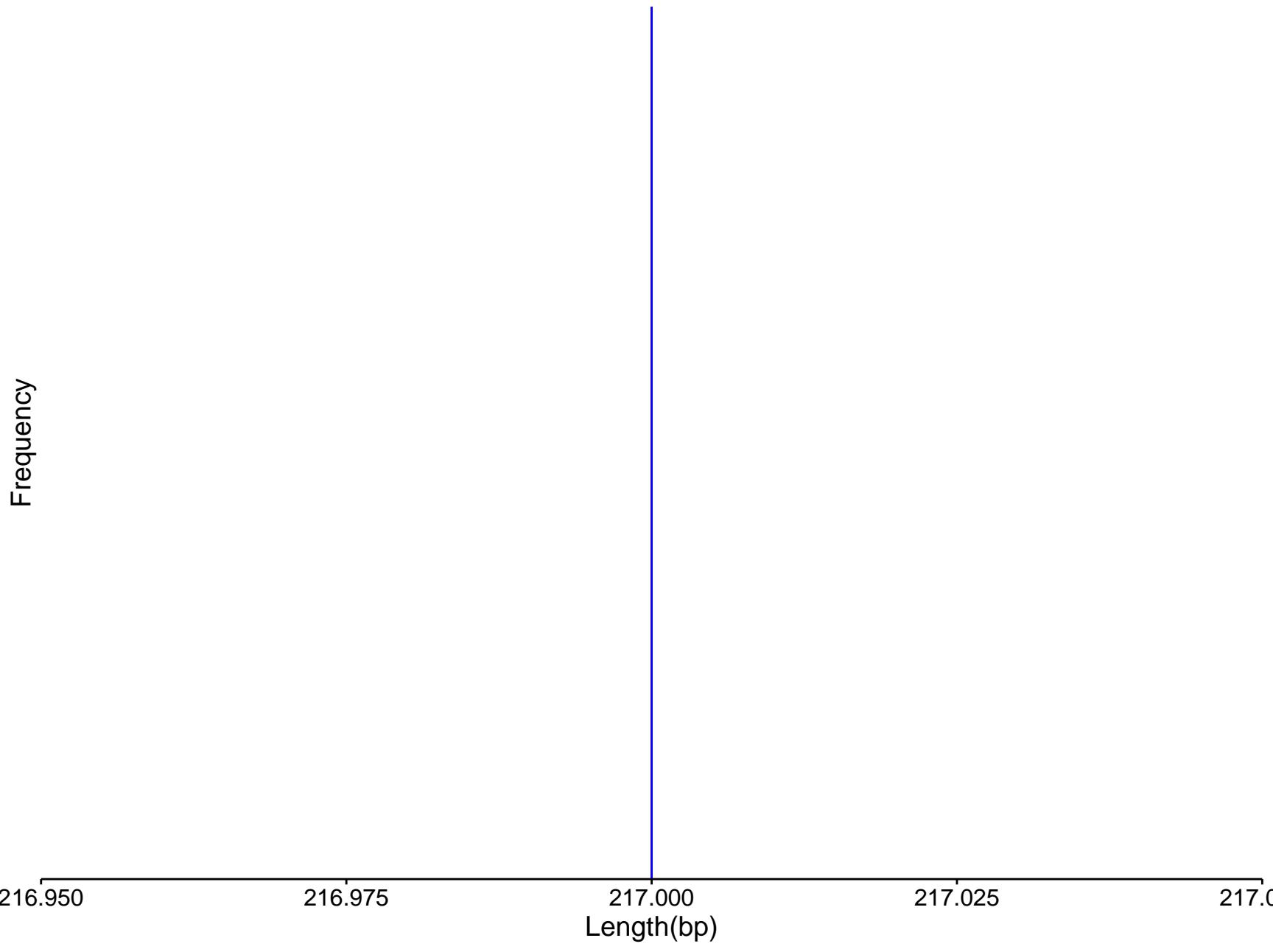
# Cluster815



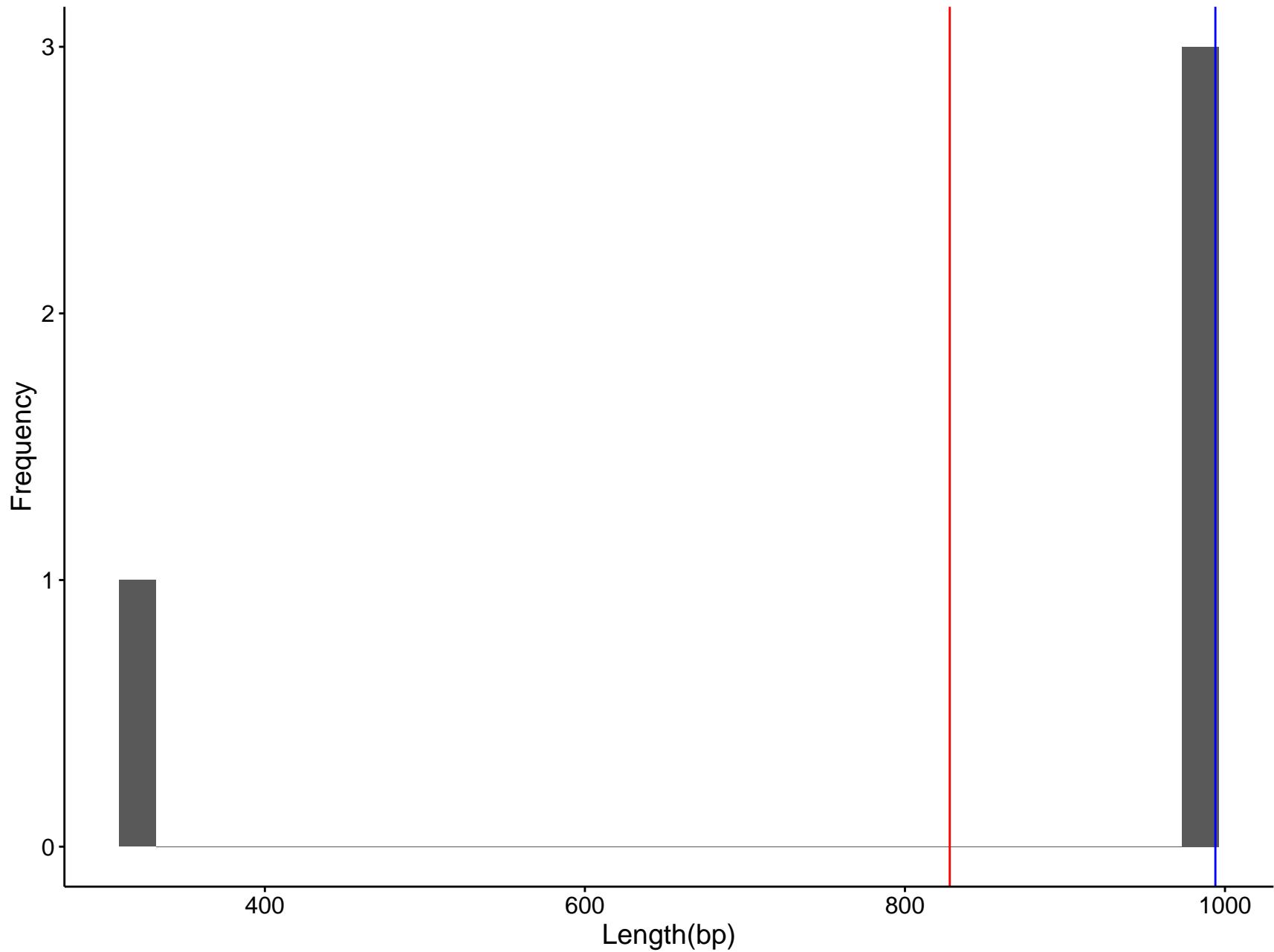
# Cluster816



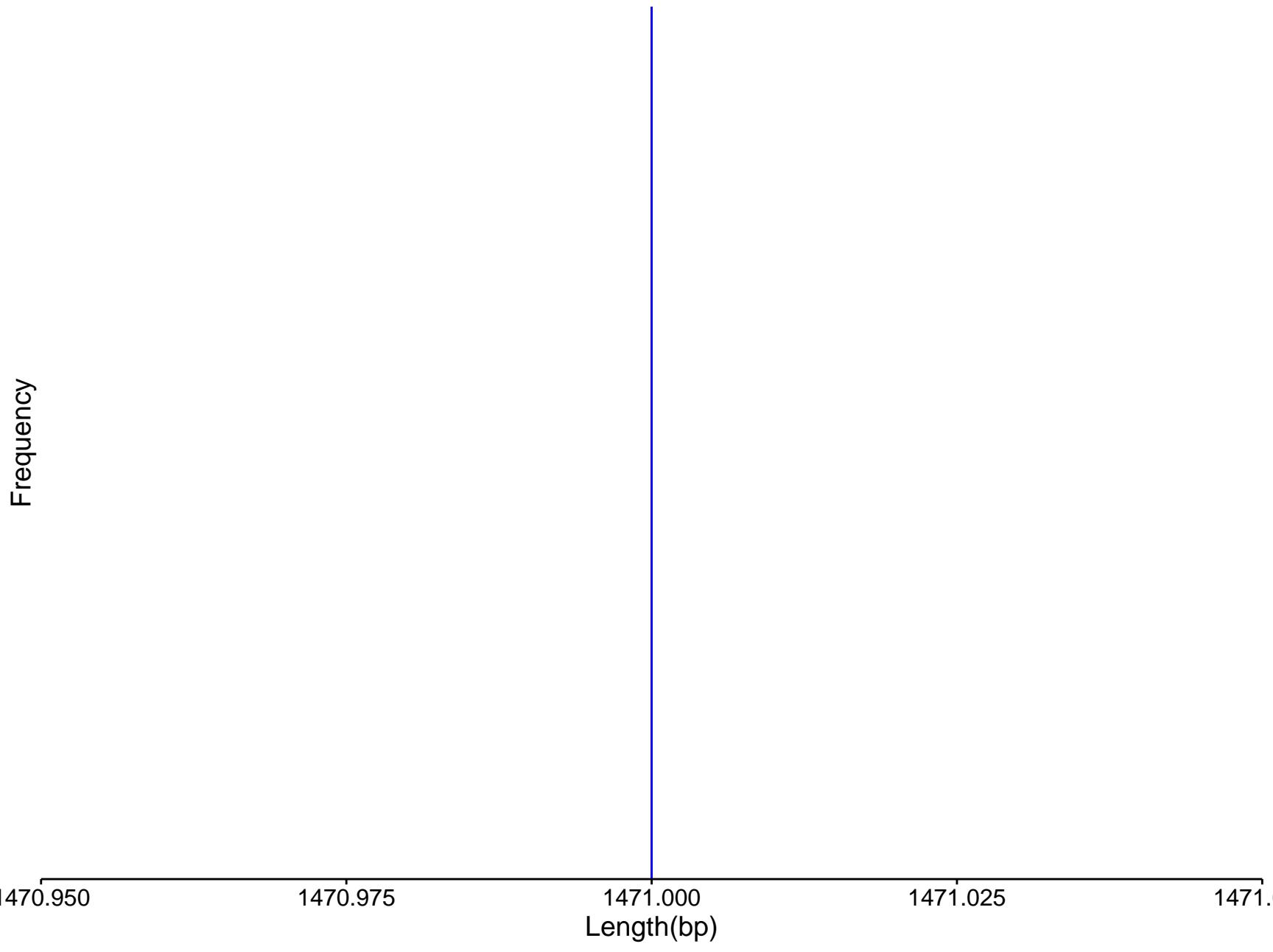
Cluster817



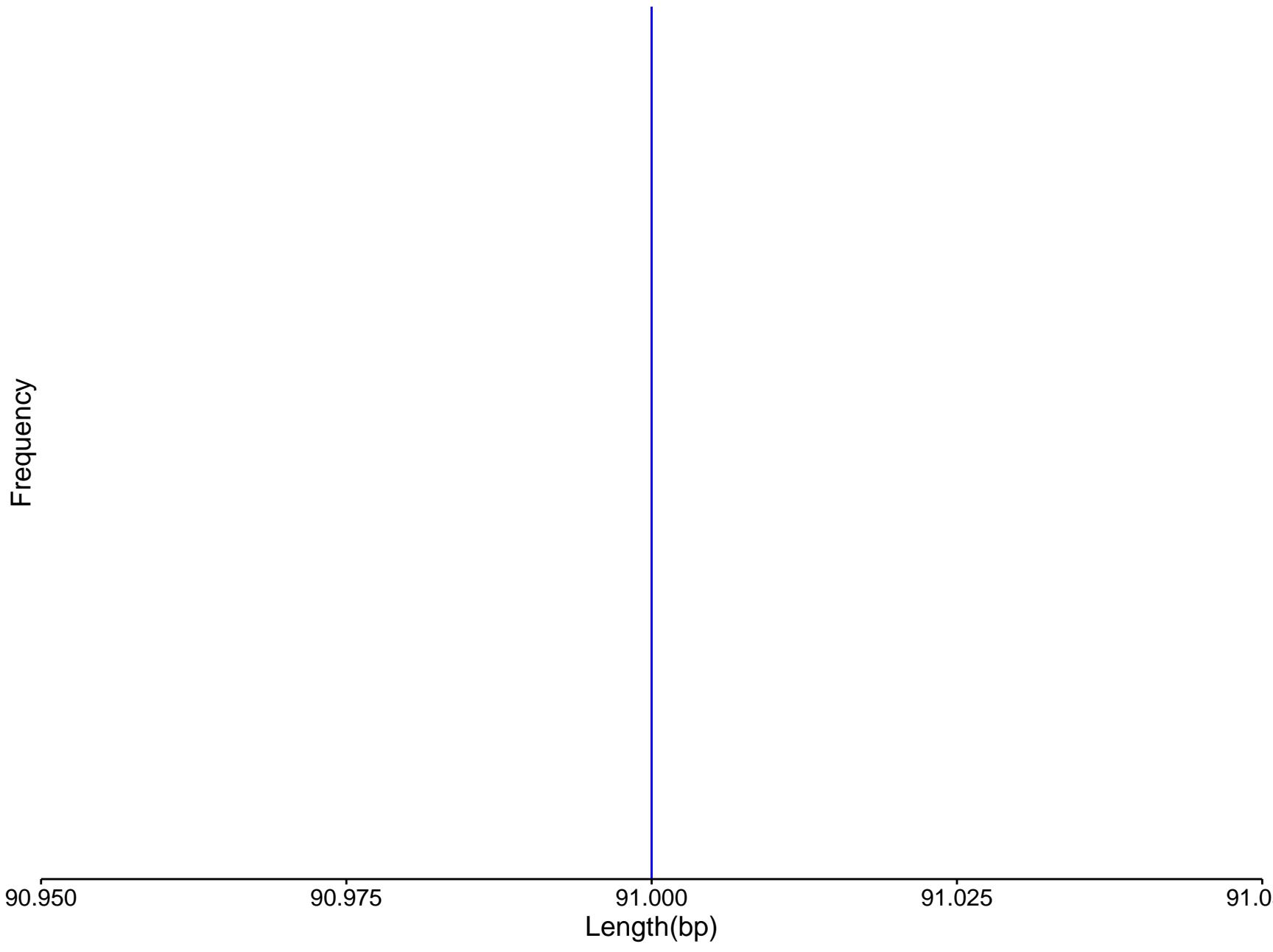
# Cluster818



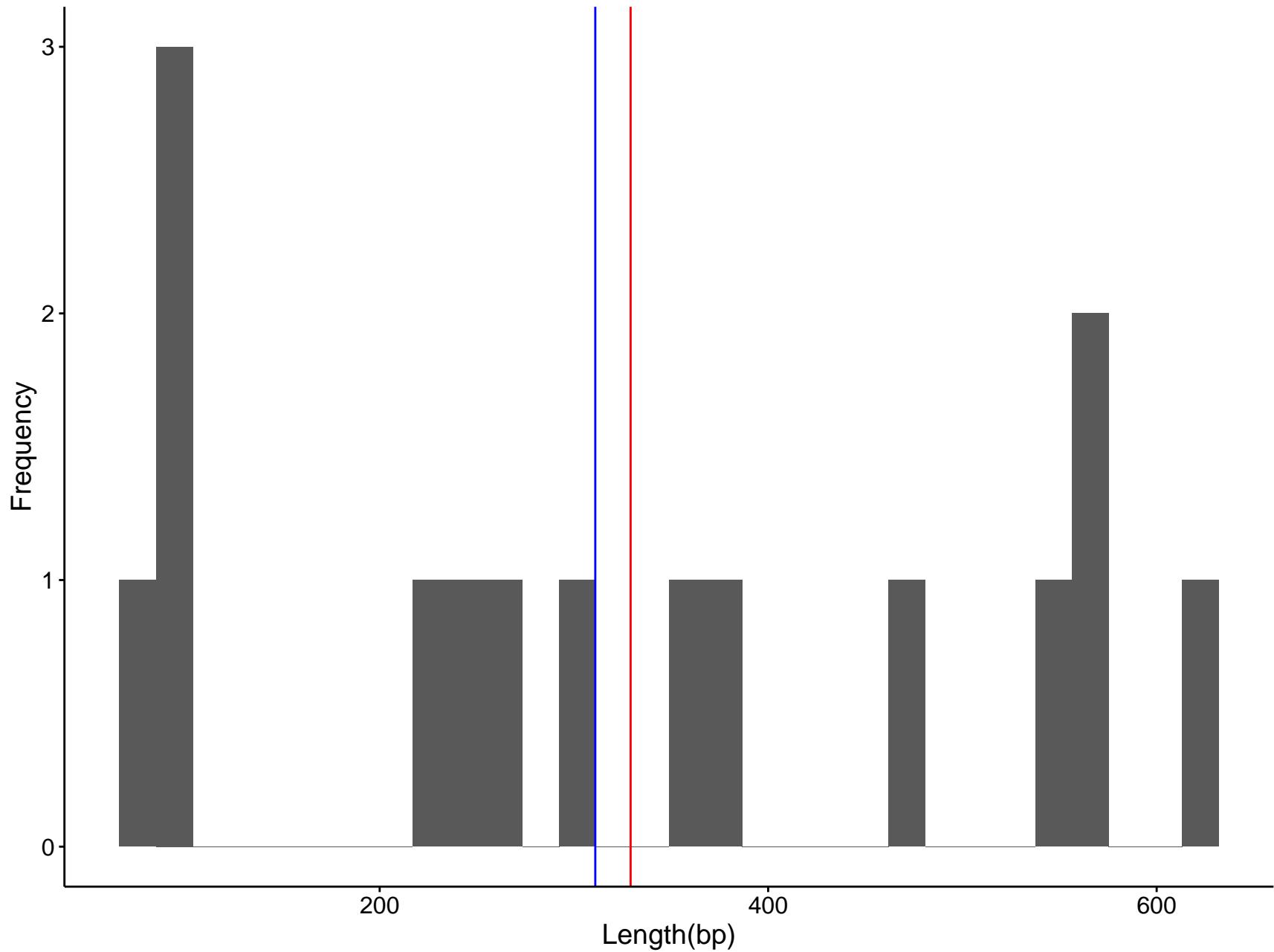
# Cluster819



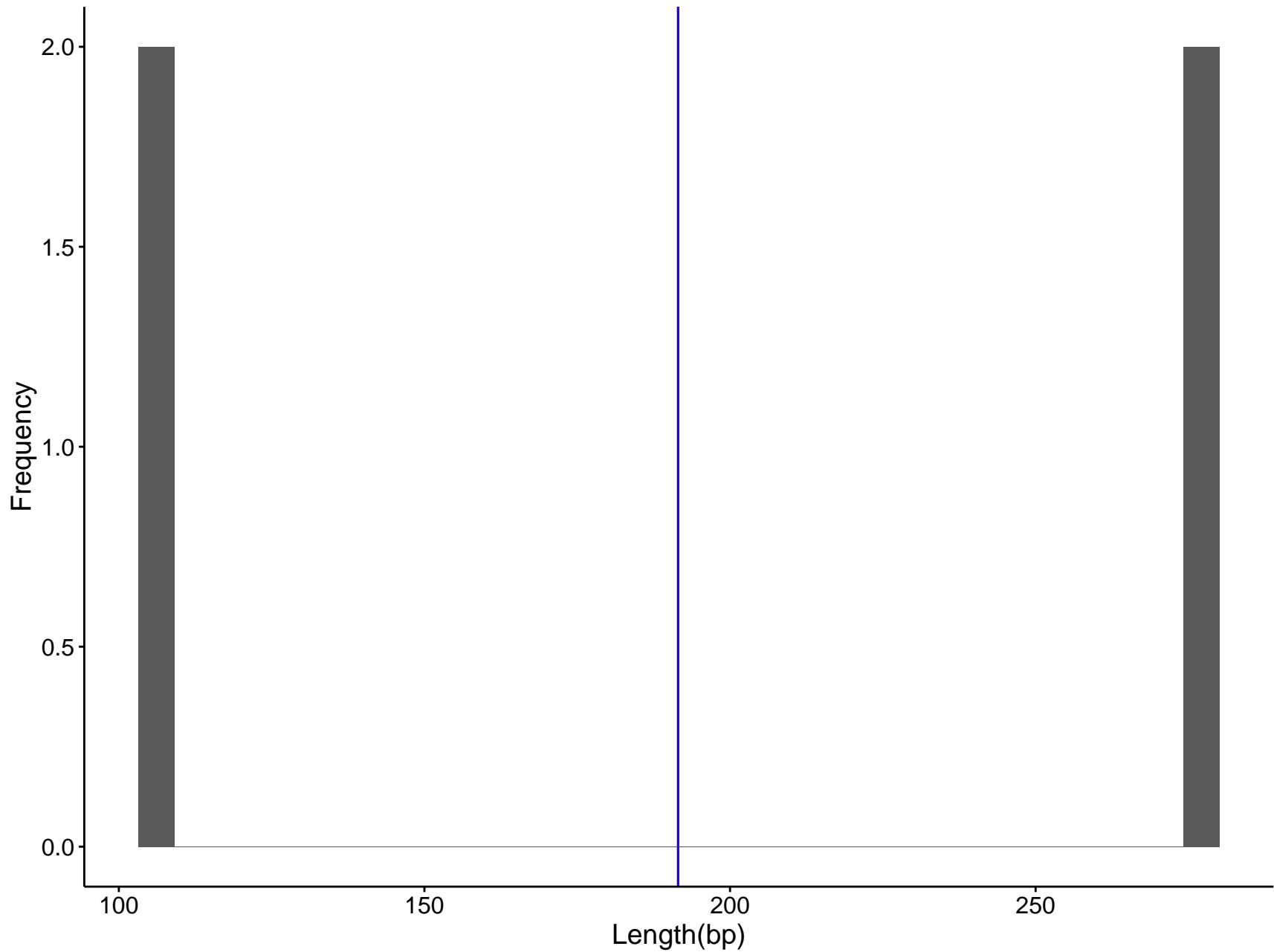
# Cluster81



Cluster821



Cluster822



Cluster823

Frequency

603.950

603.975

604.000

604.025

Length(bp)



Cluster824

Frequency

76.950

76.975

77.000

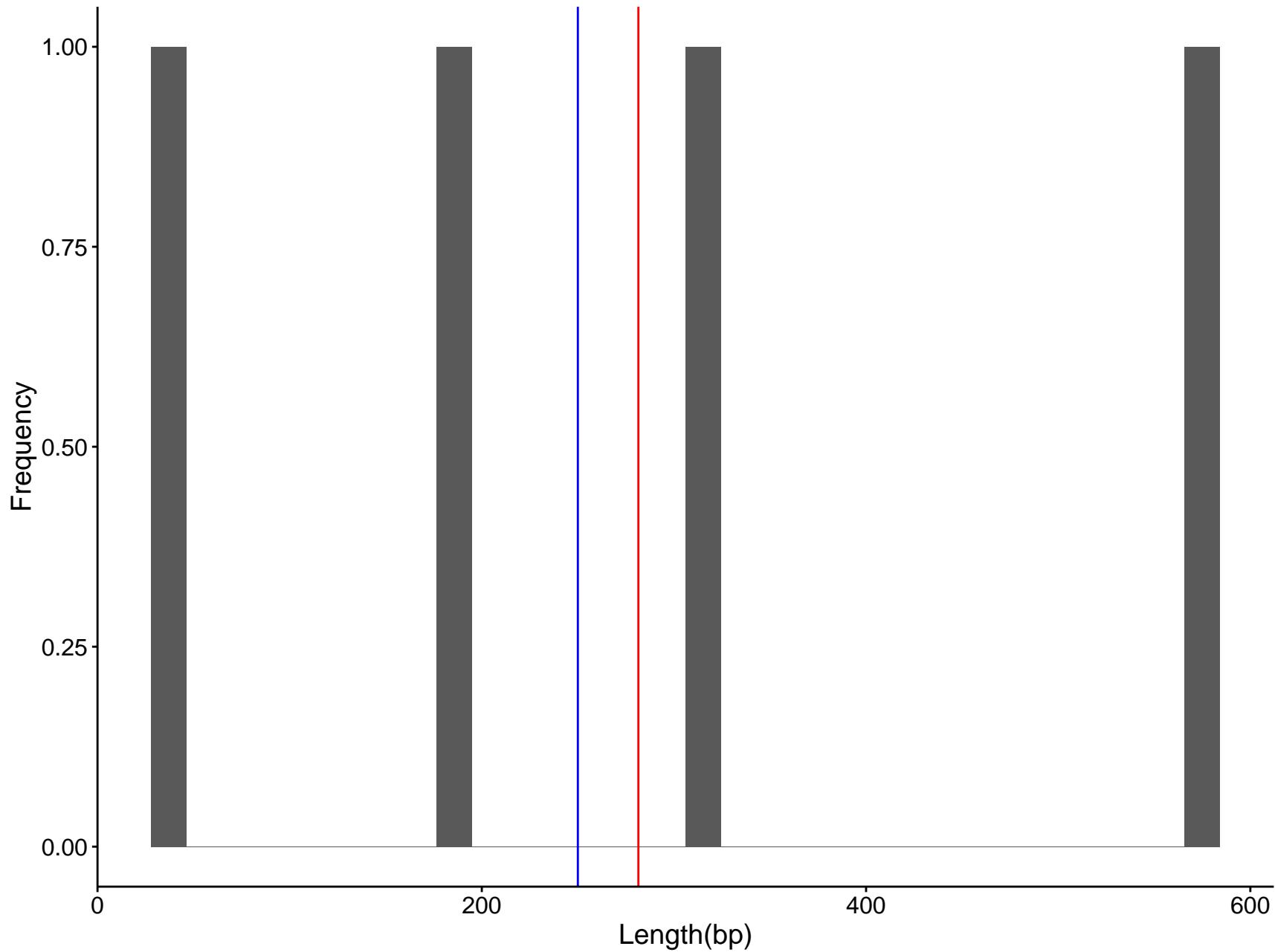
77.025

77.0

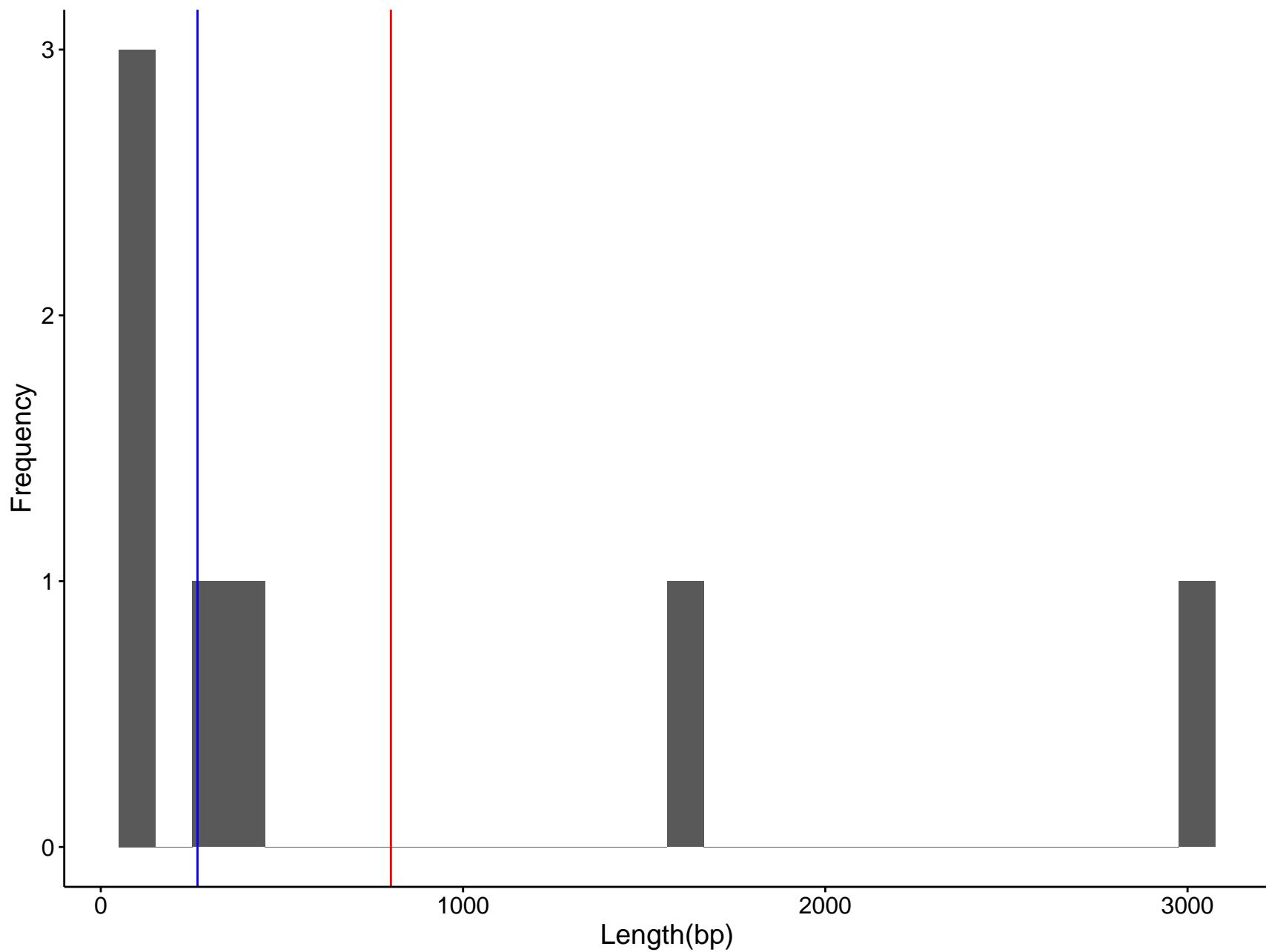
Length(bp)



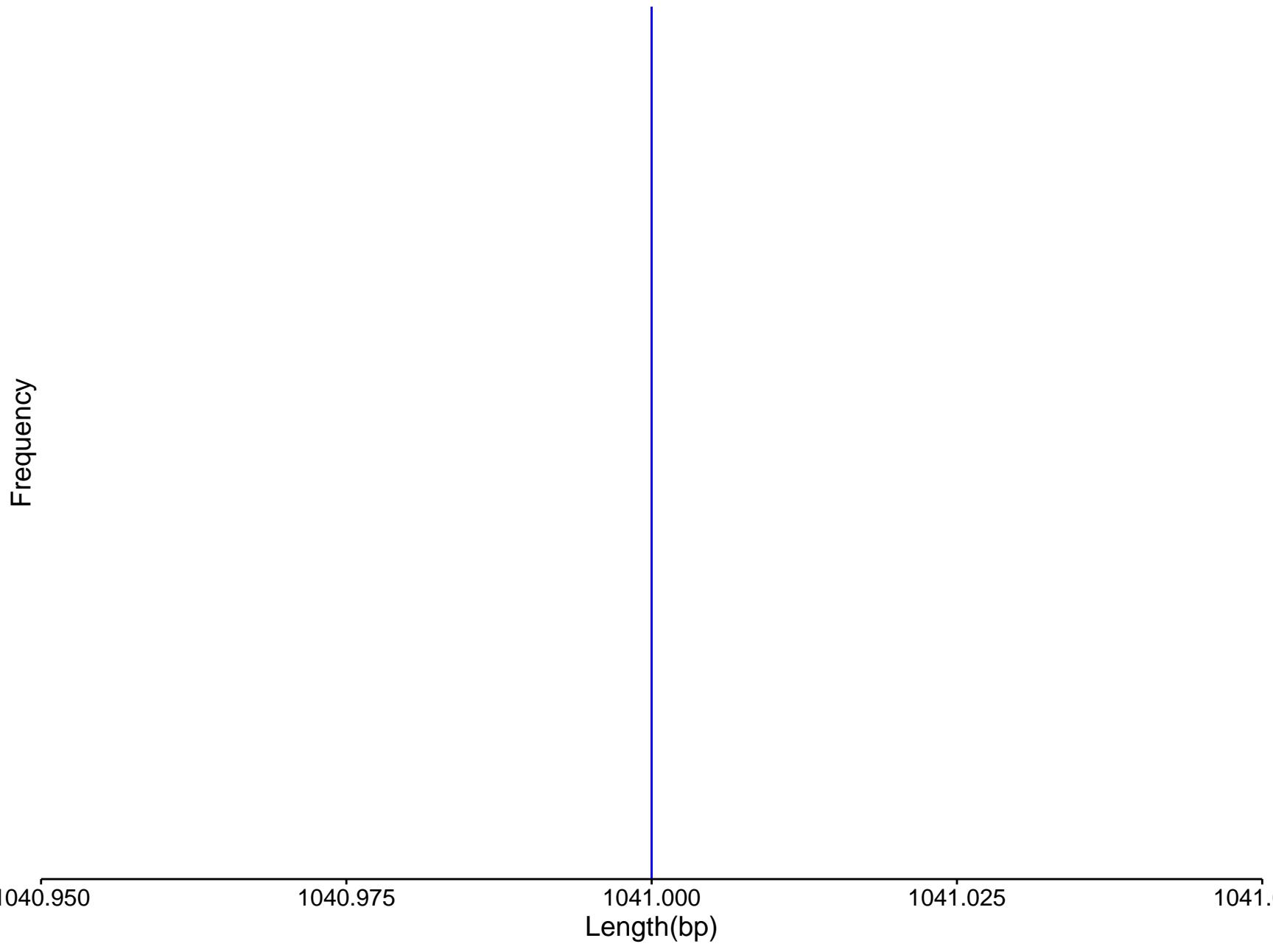
Cluster825



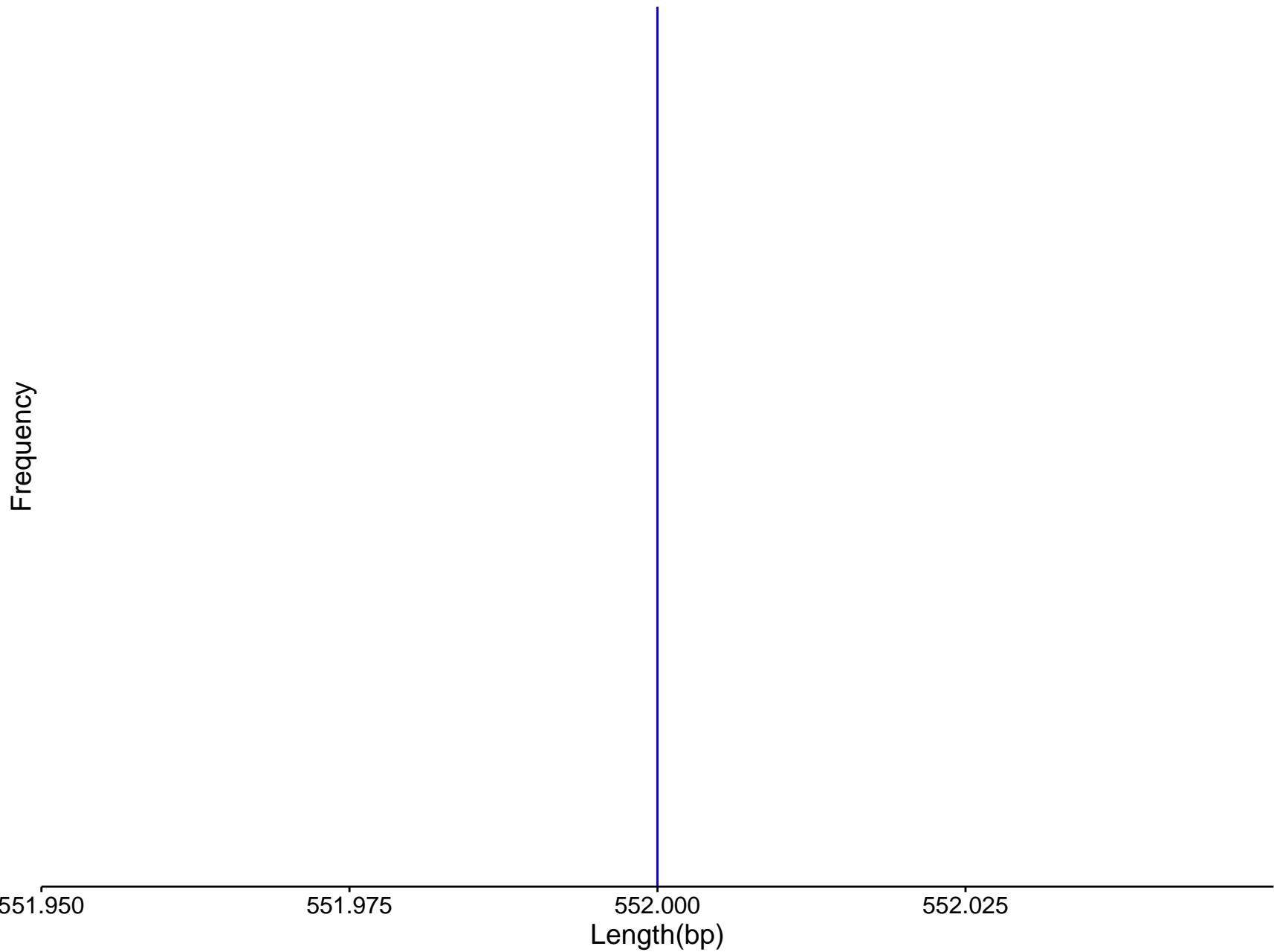
Cluster829



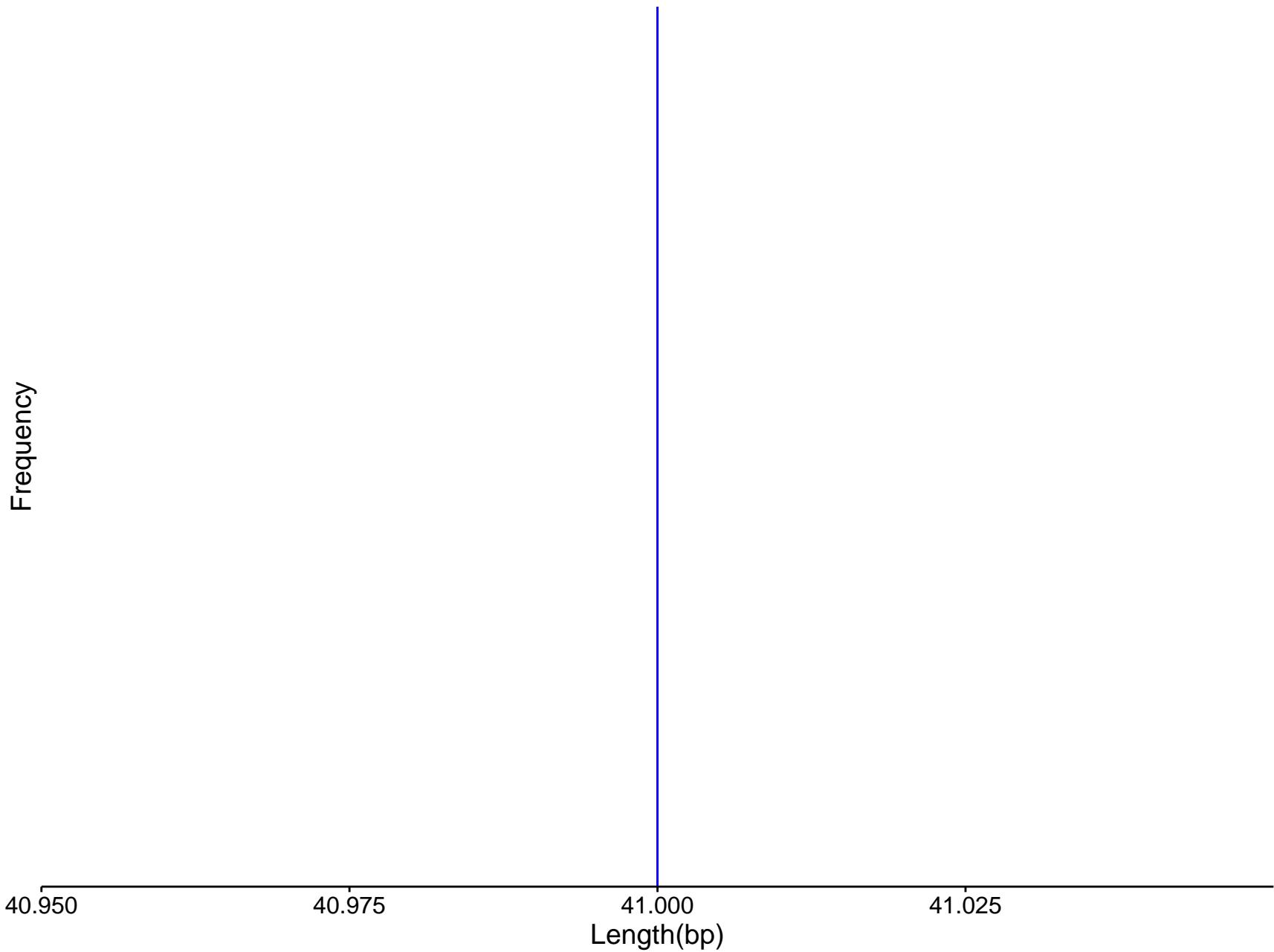
# Cluster830



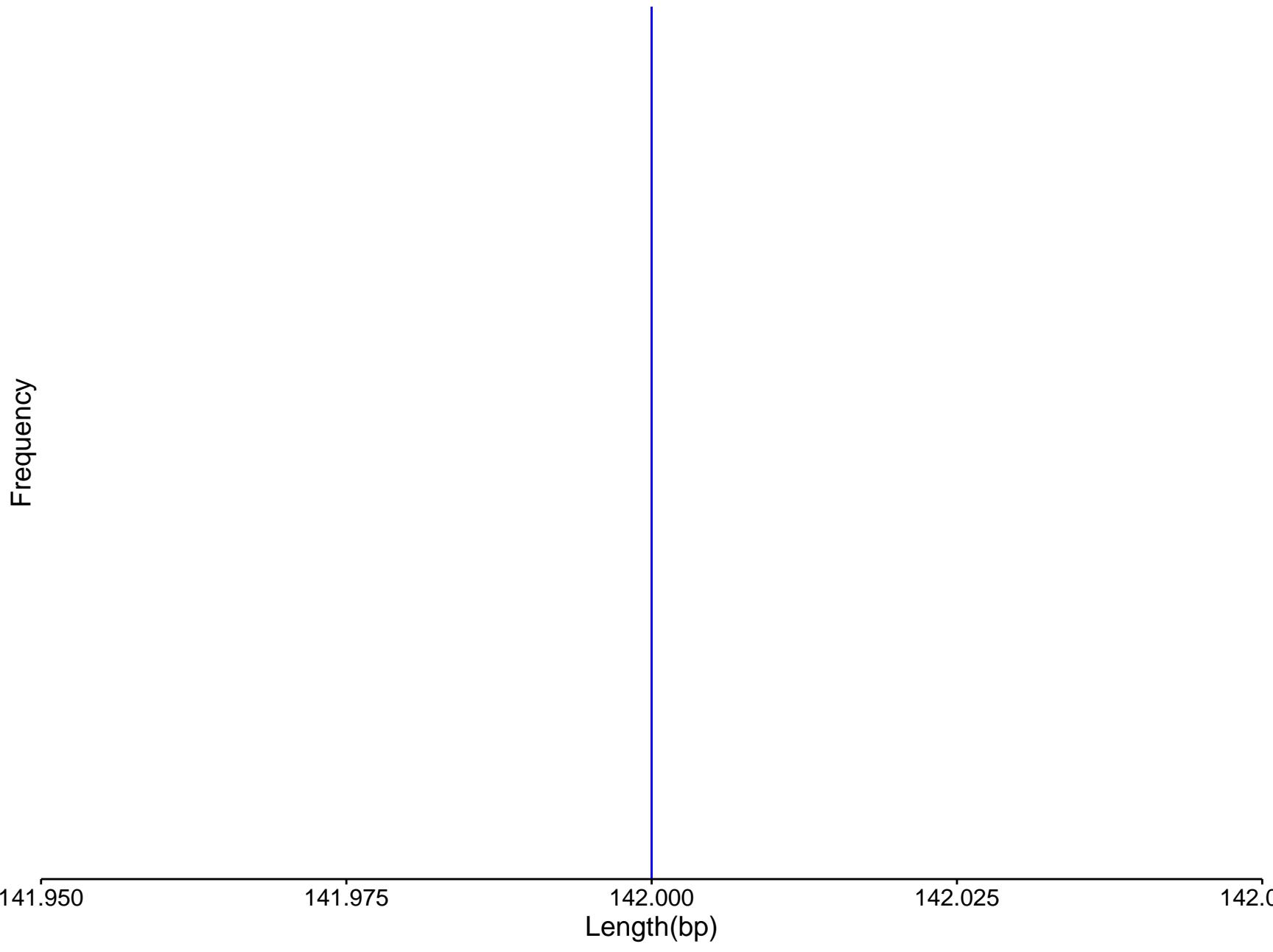
# Cluster832



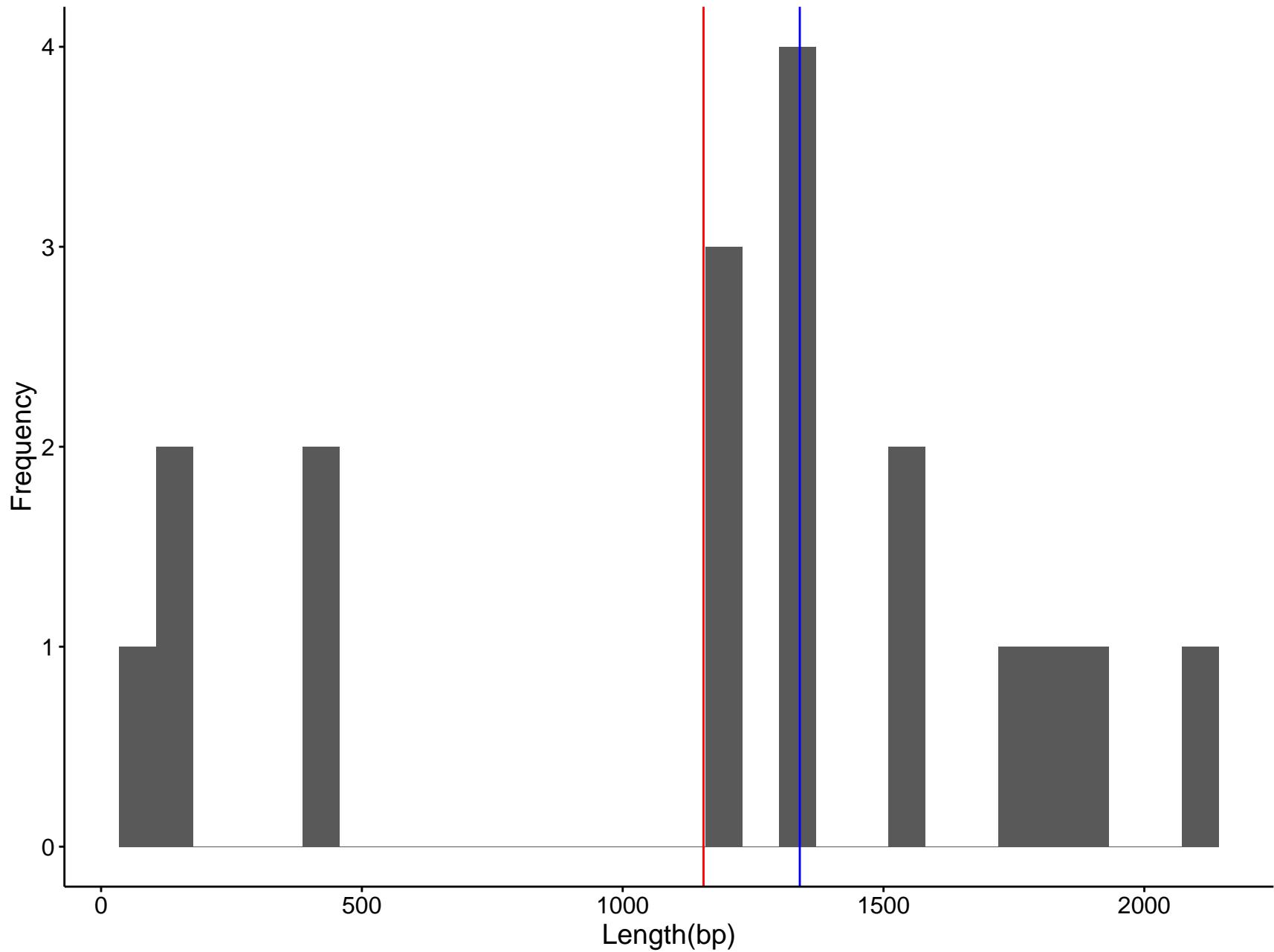
# Cluster835



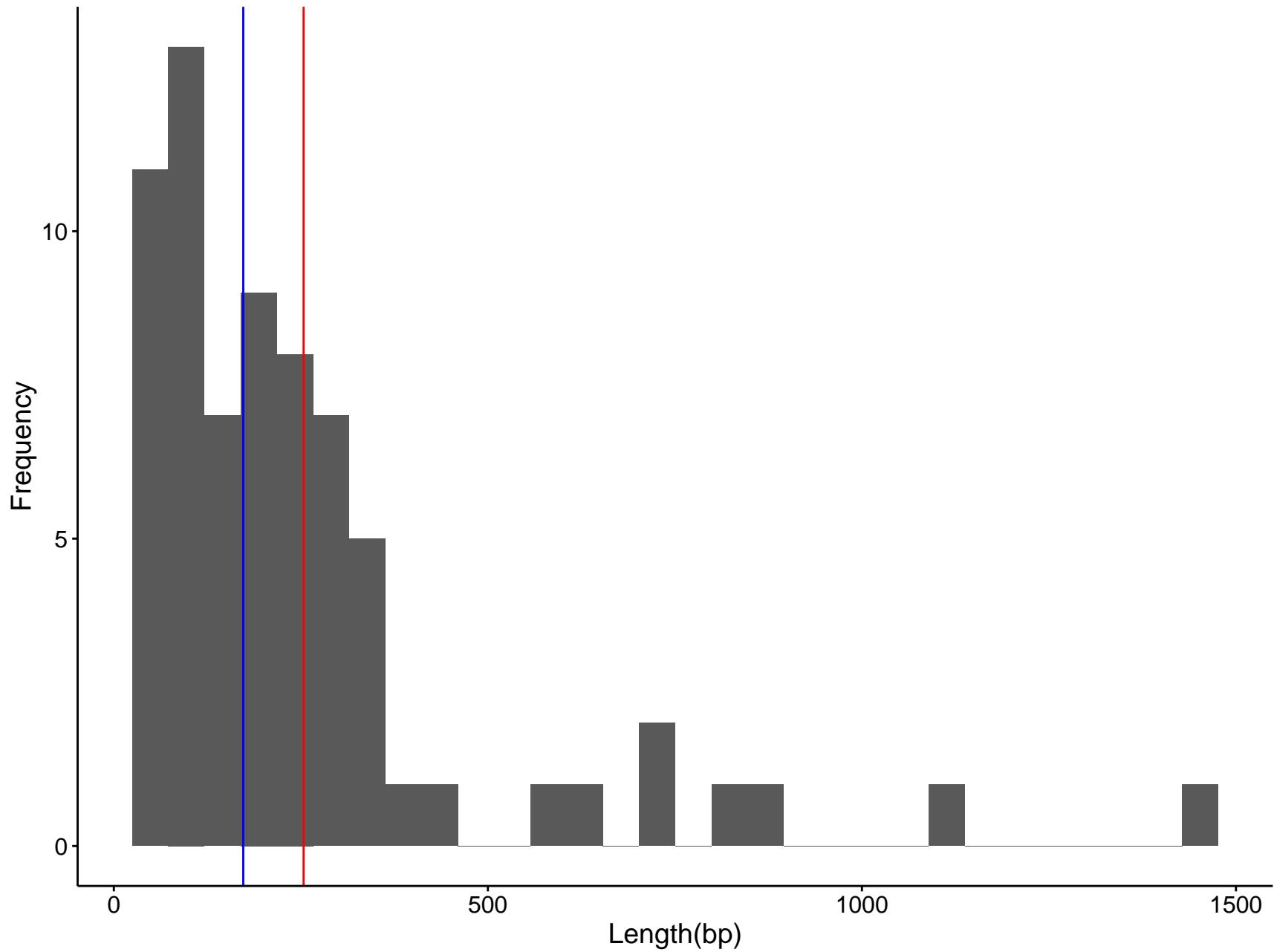
# Cluster836



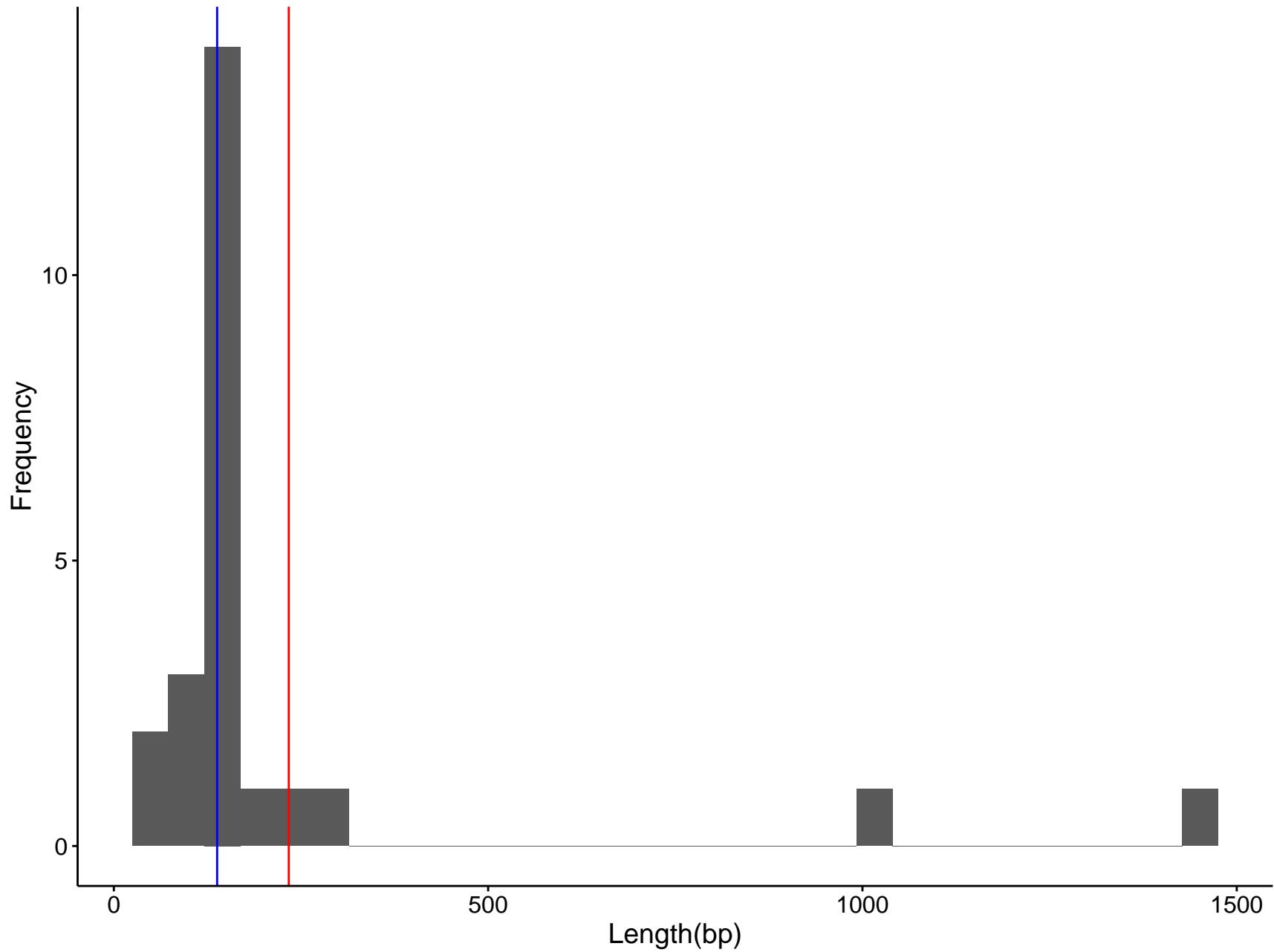
# Cluster838



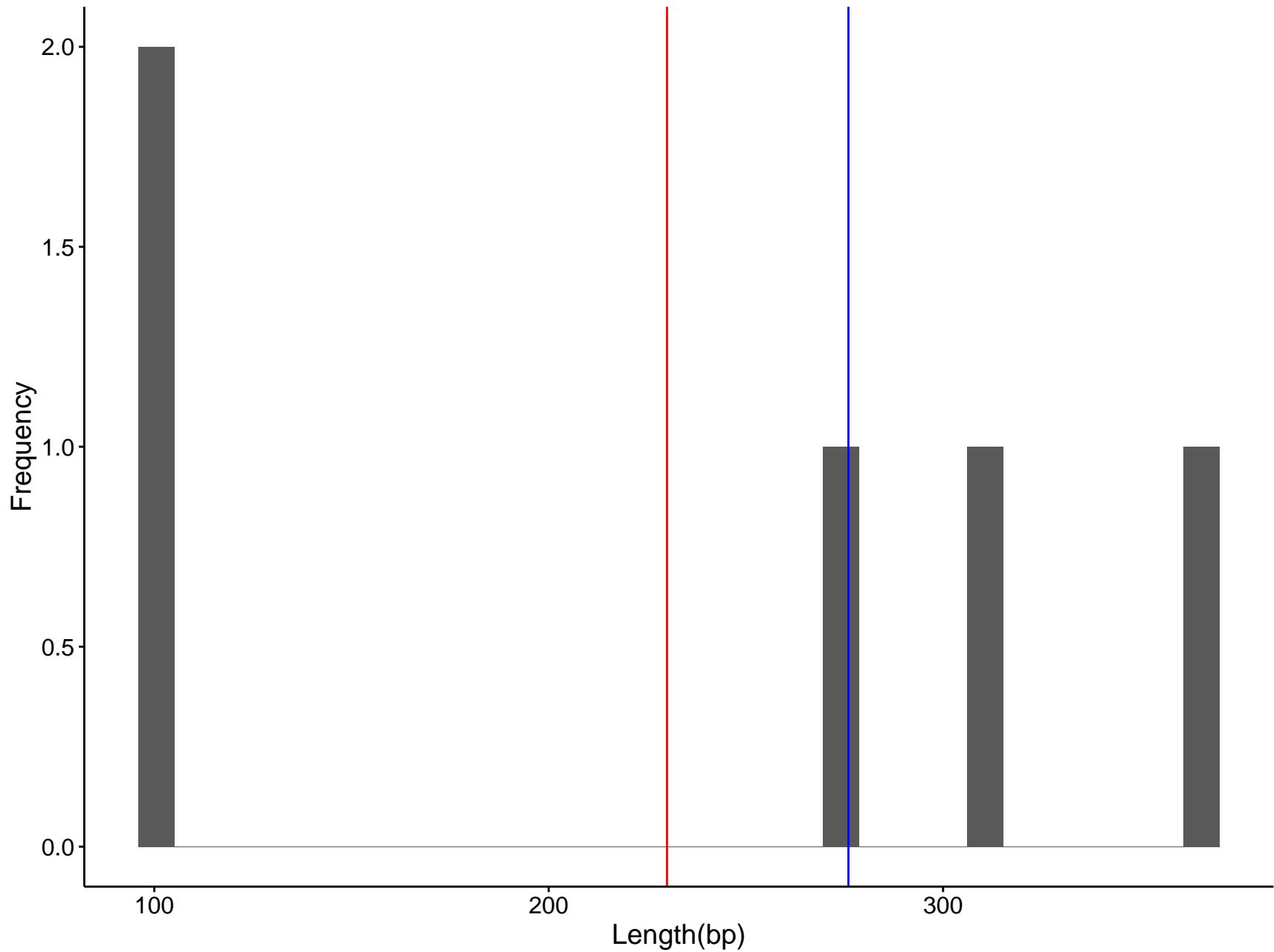
Cluster83



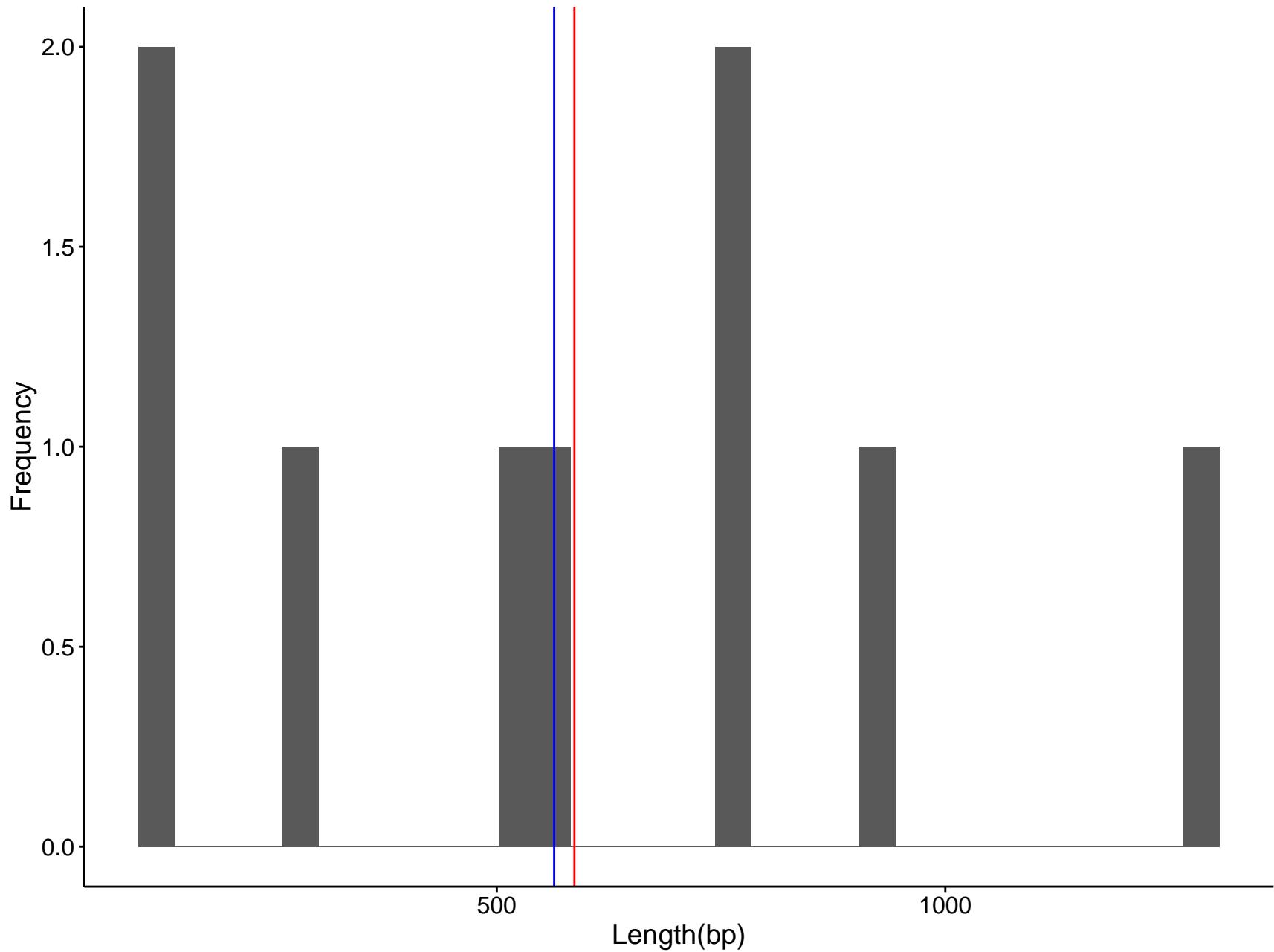
Cluster840



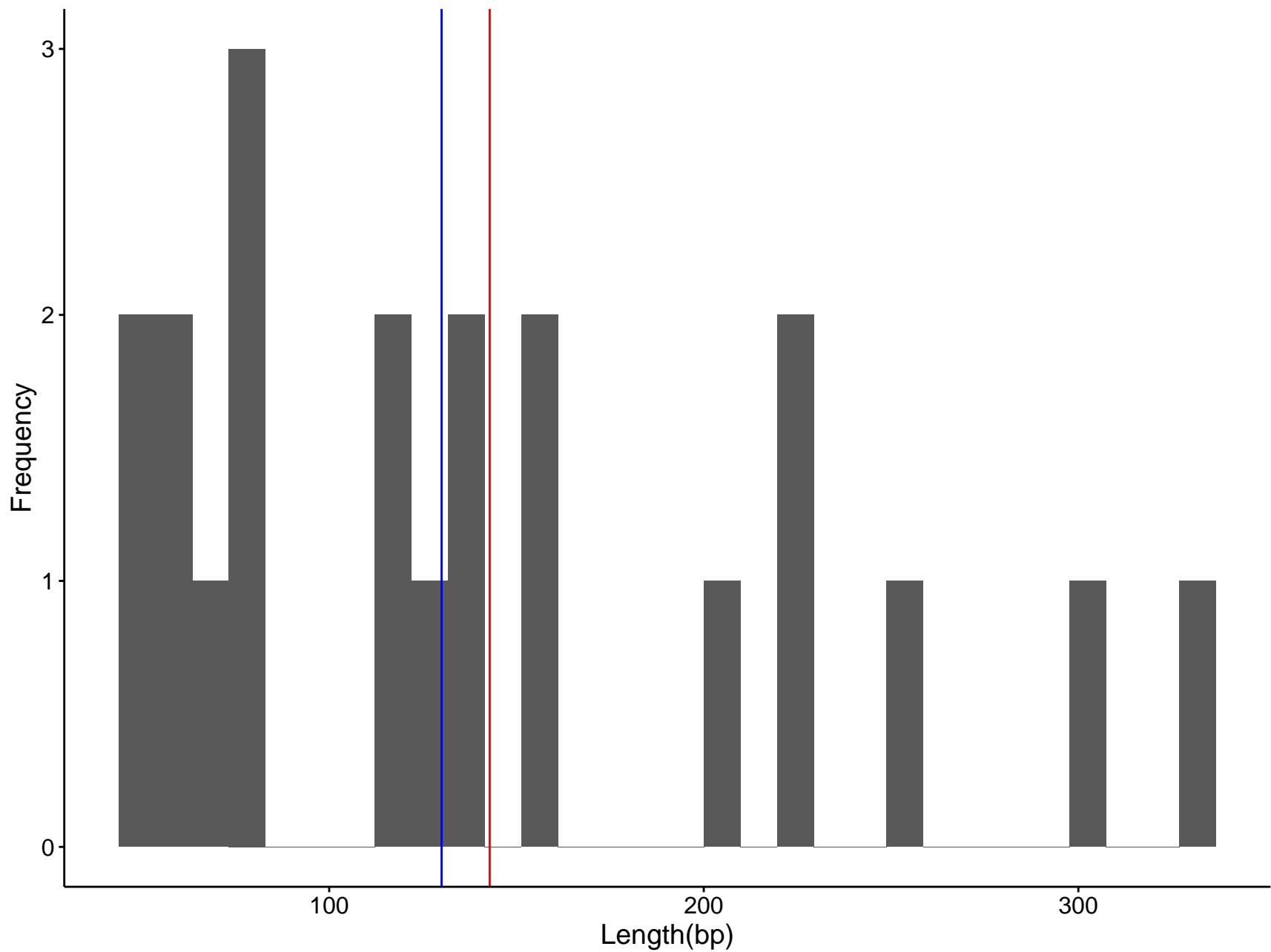
Cluster844



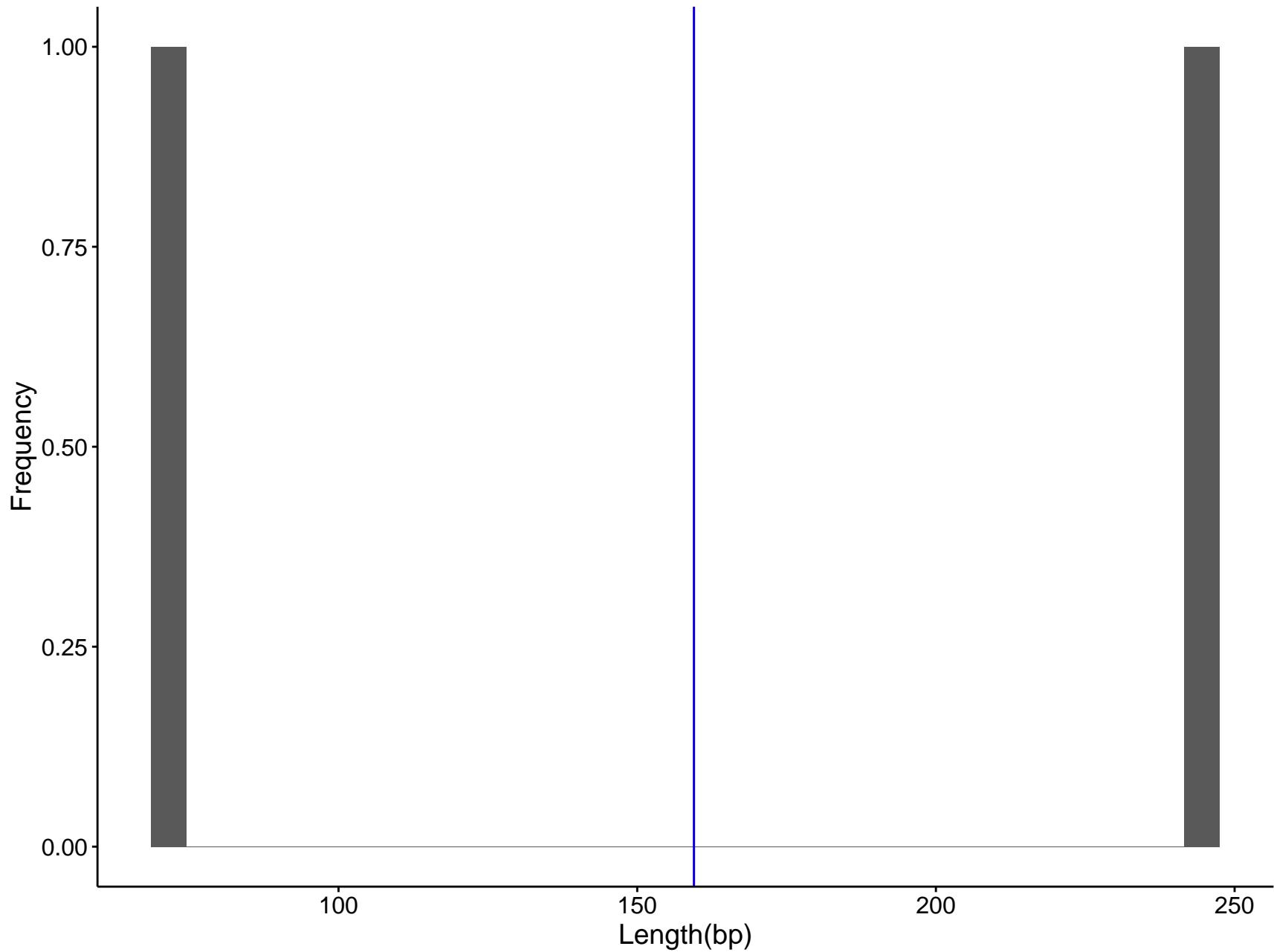
Cluster845



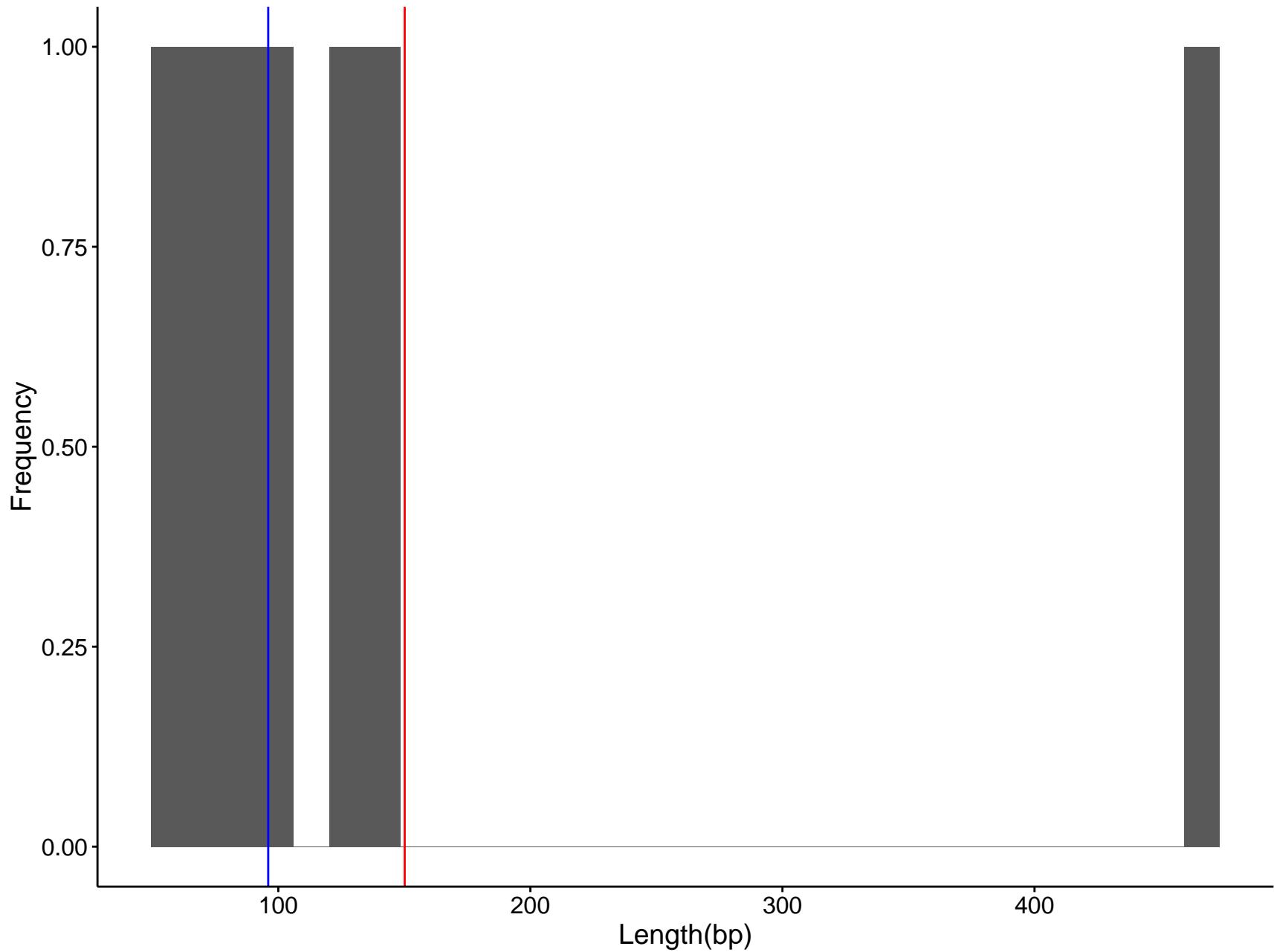
Cluster84



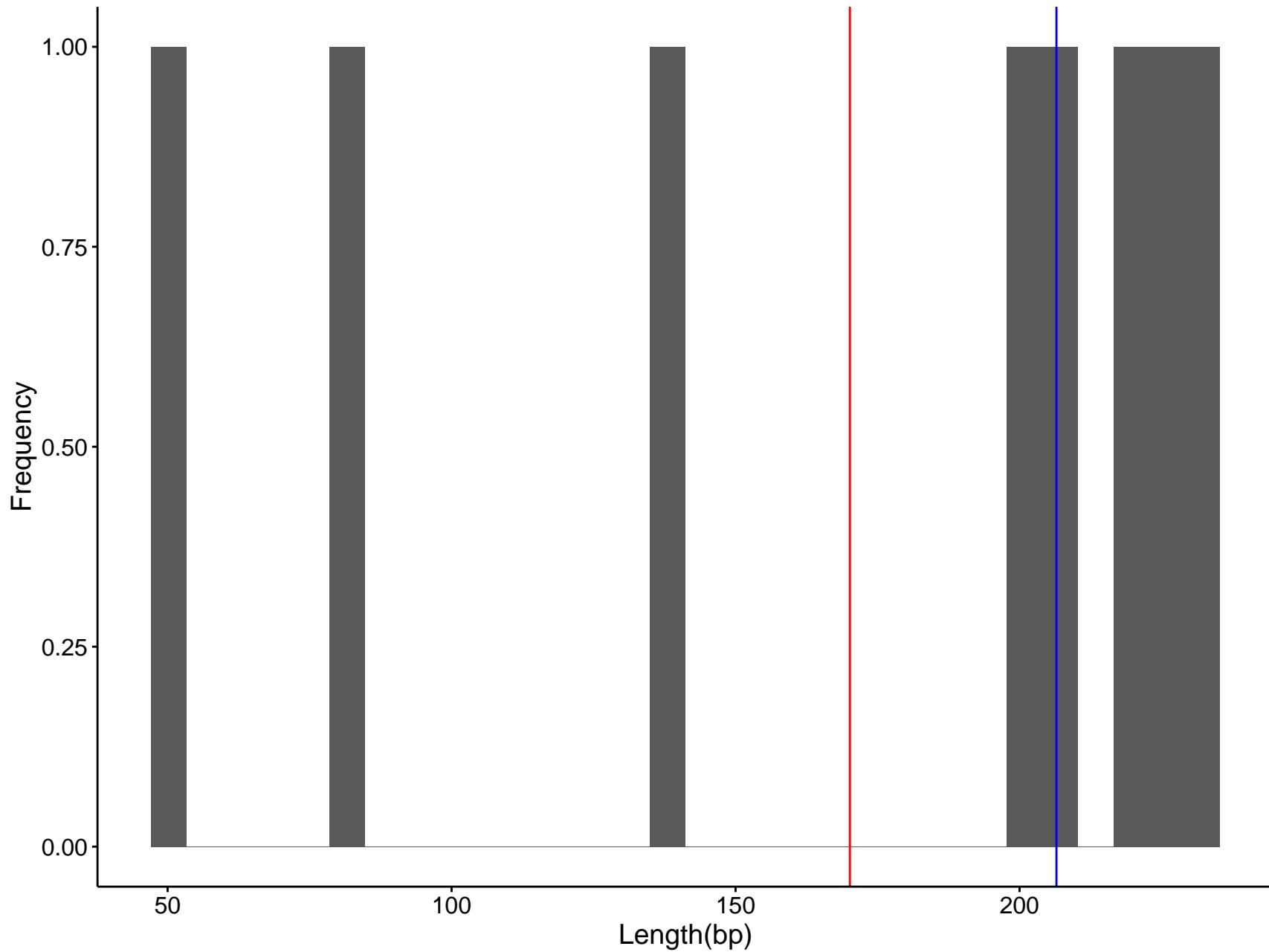
Cluster850



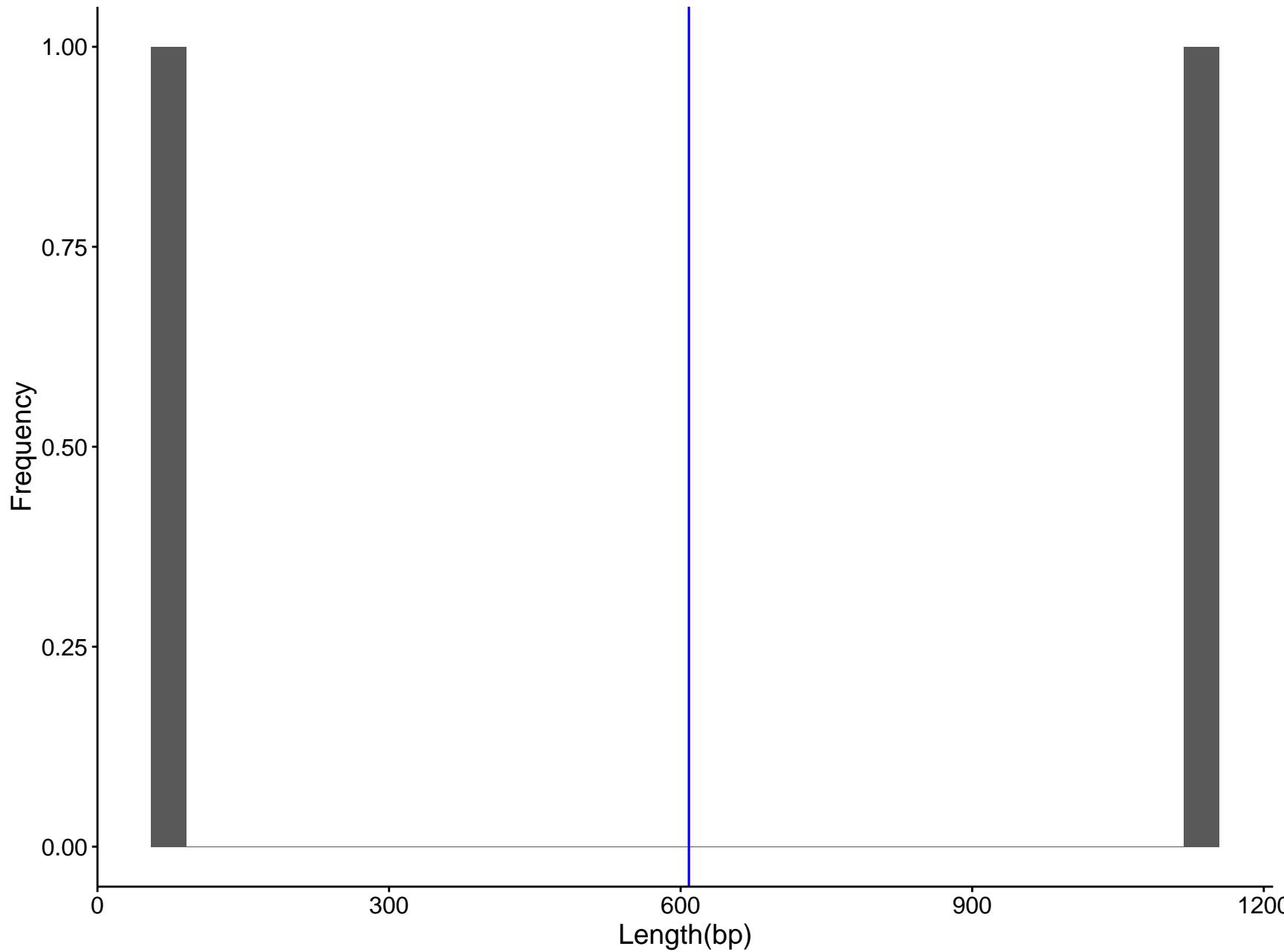
Cluster851

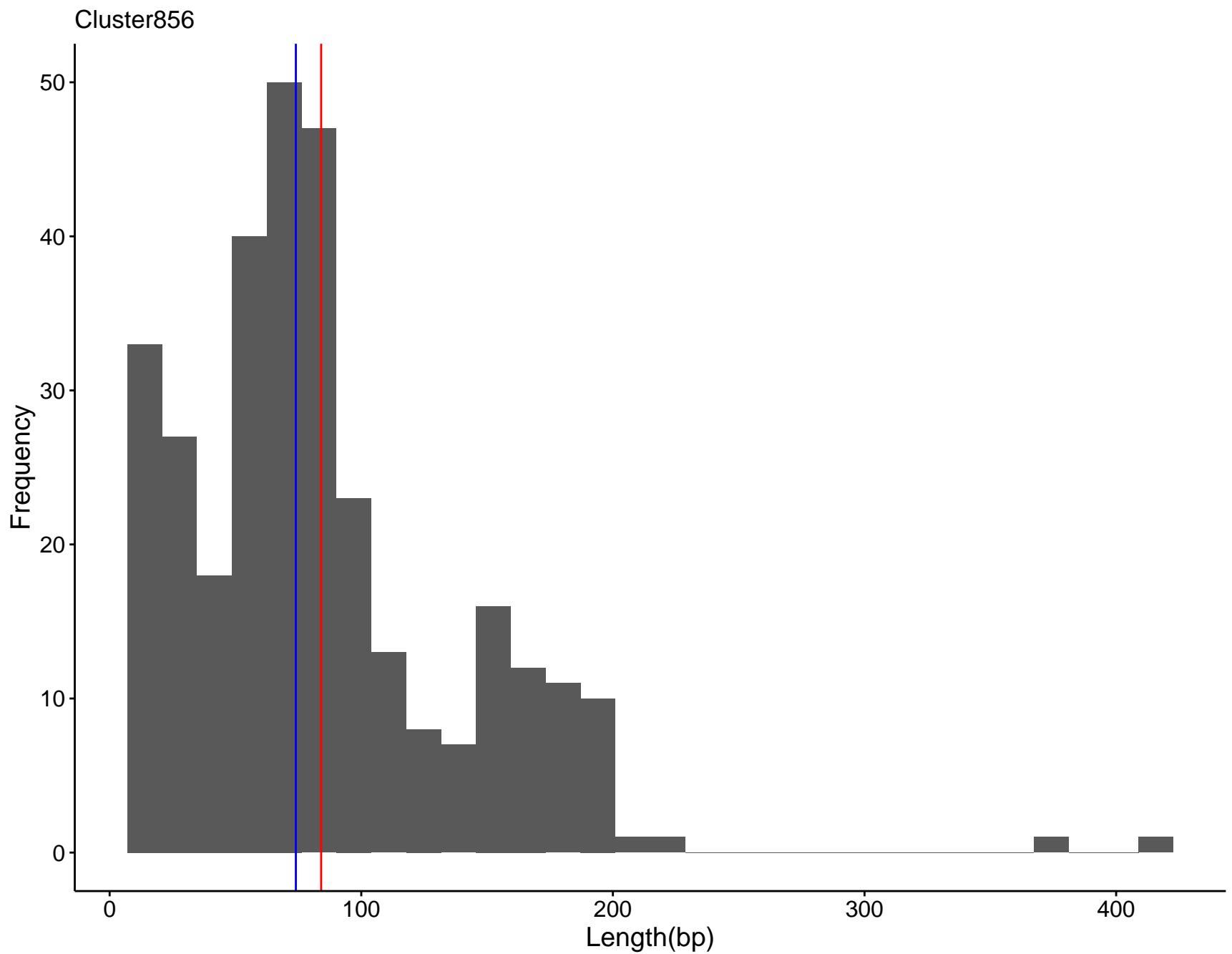


Cluster853



Cluster854





# Cluster857

Frequency

39.950

39.975

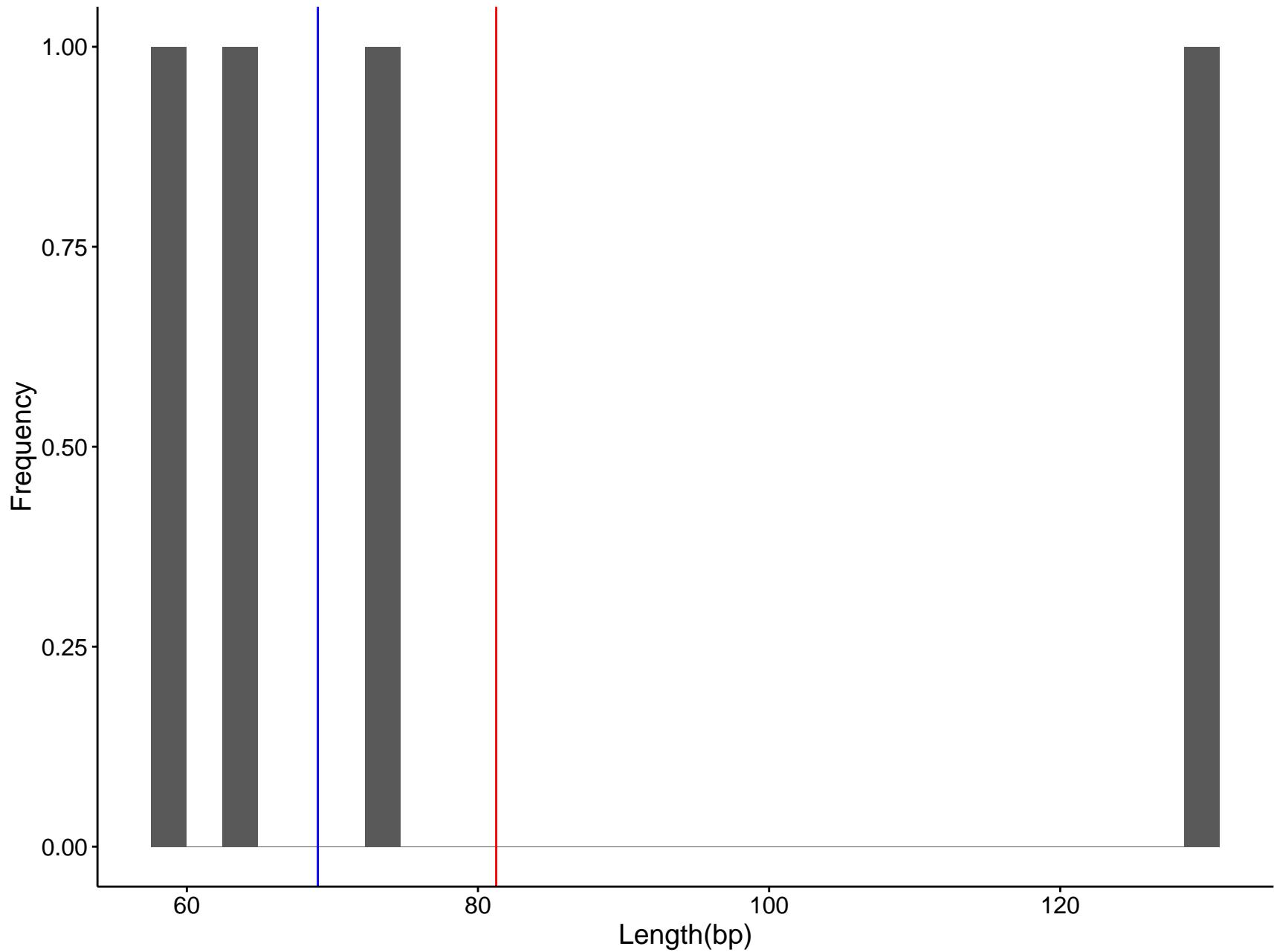
40.000

40.025

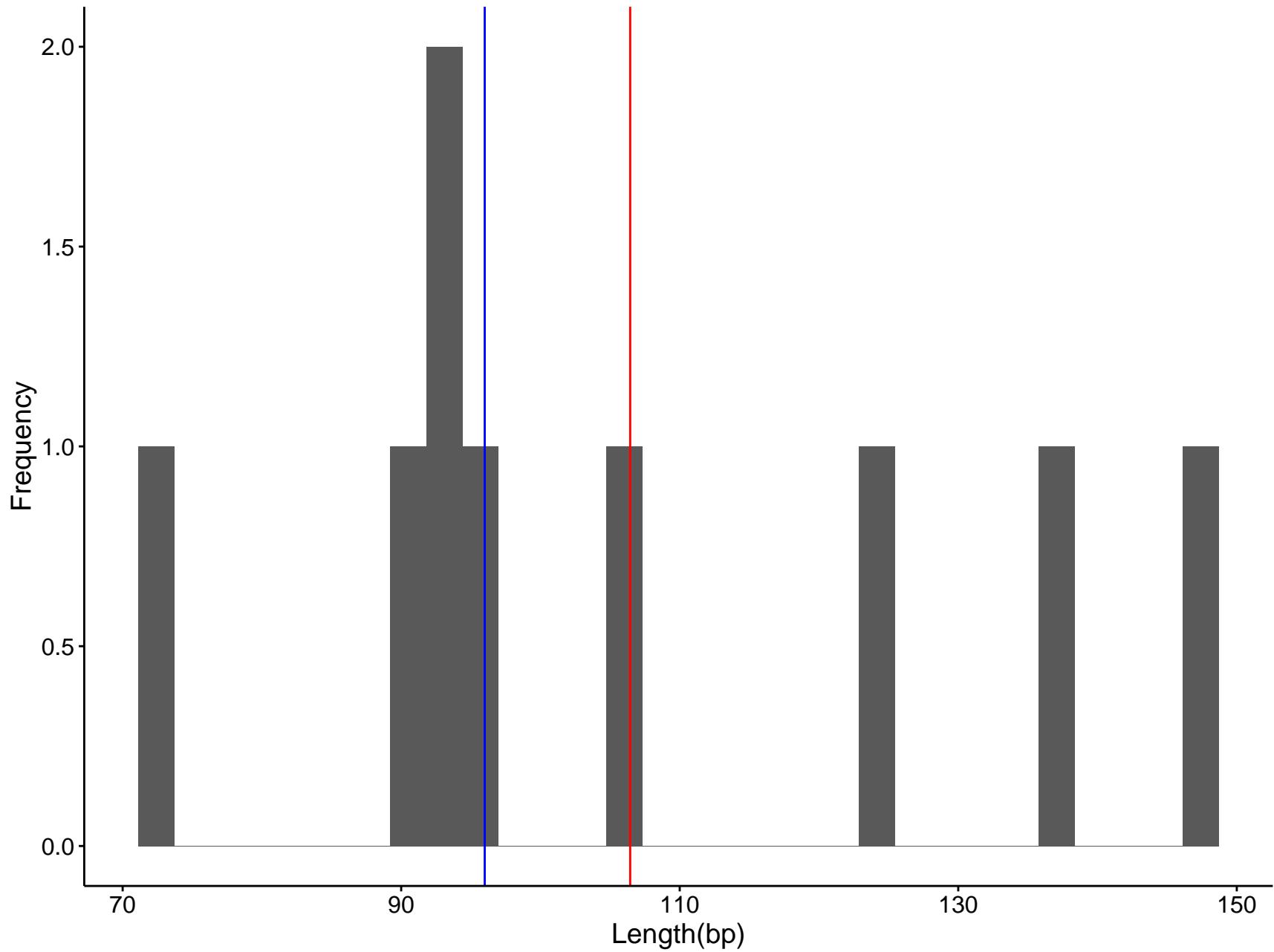
Length(bp)



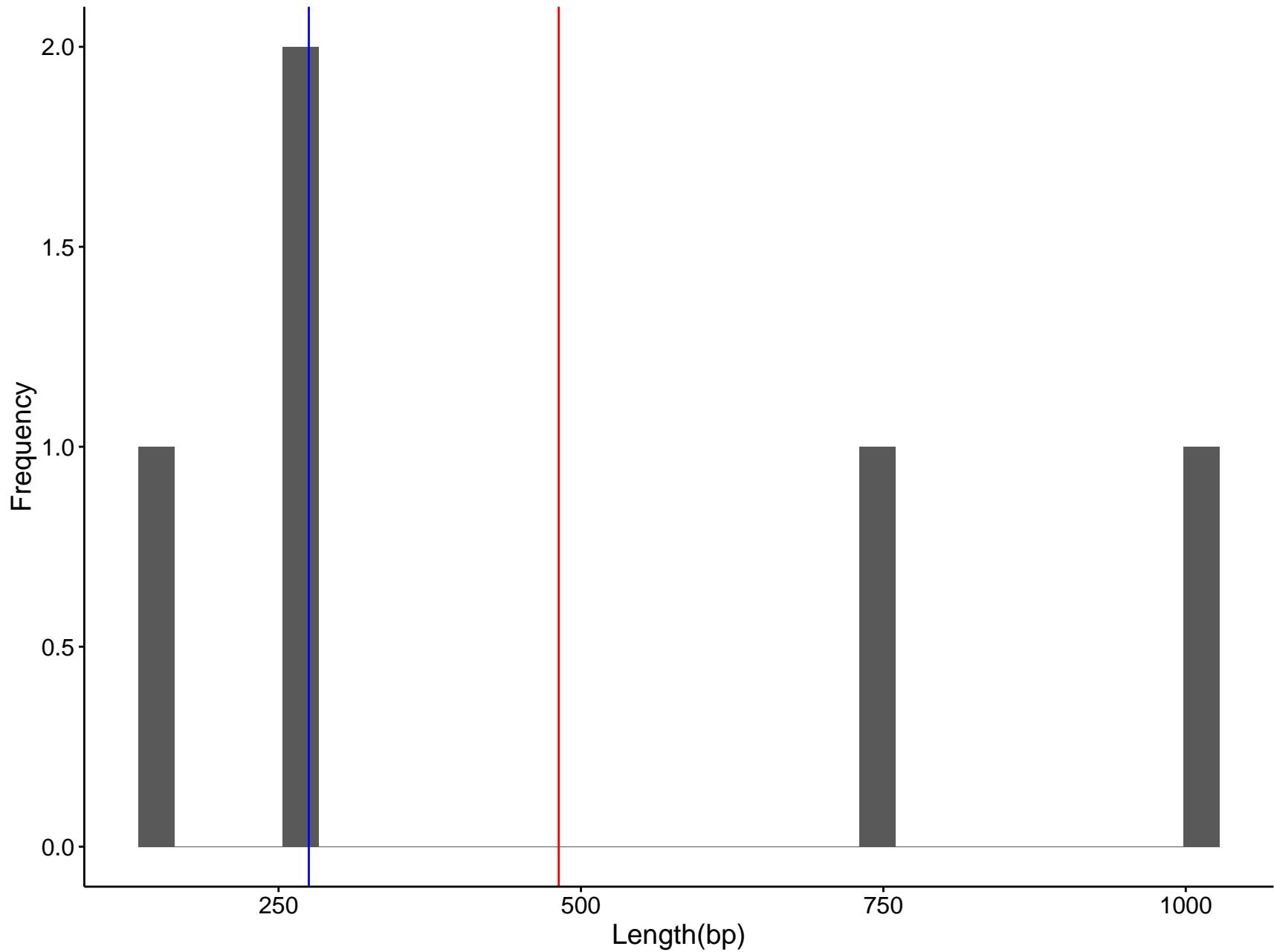
Cluster858



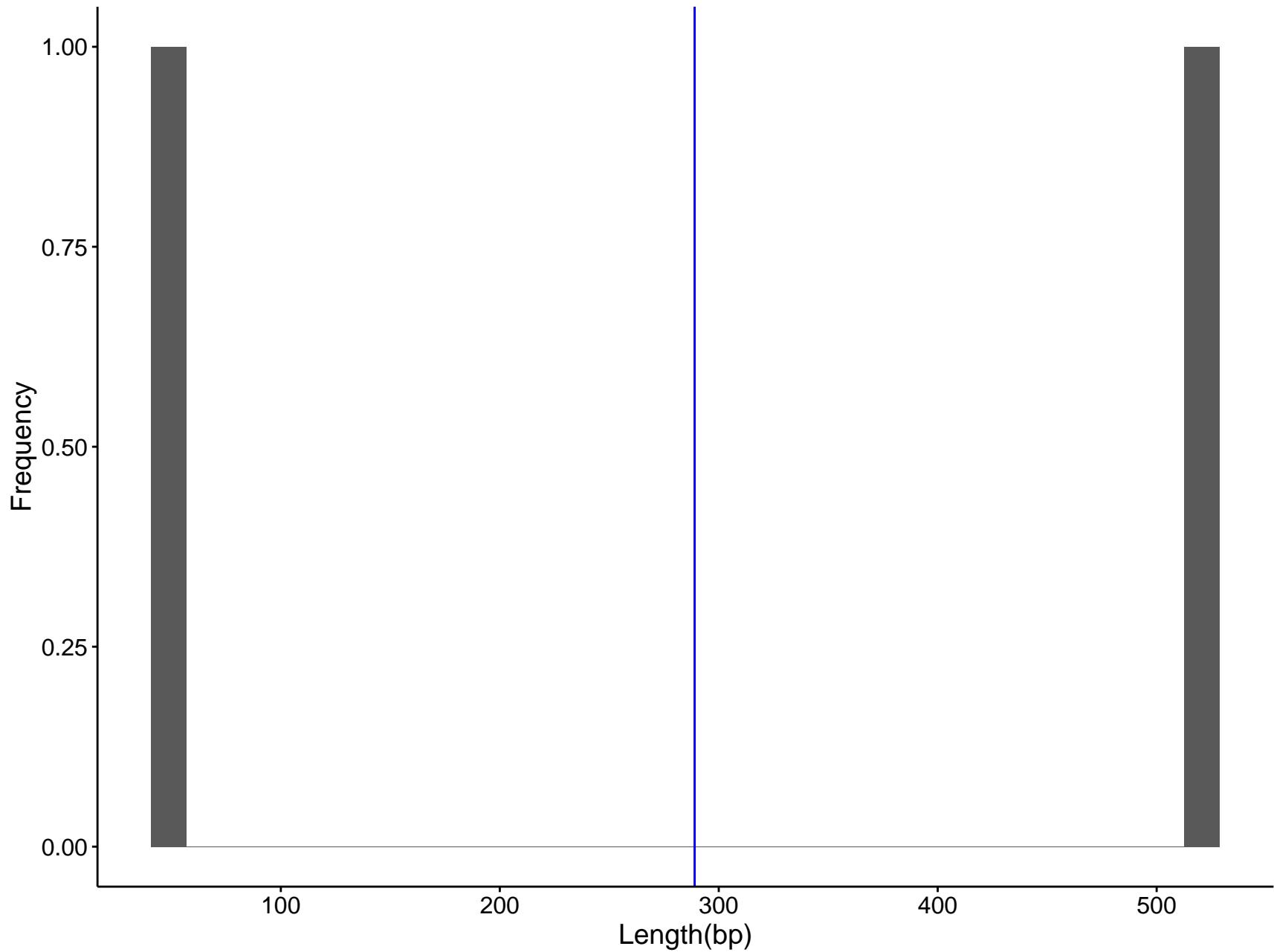
Cluster85



Cluster860



Cluster863



# Cluster866

Frequency

310.950

310.975

311.000

311.025

Length(bp)



Cluster869

Frequency

204.950

204.975

205.000

205.025

205.050

Length(bp)



Cluster873

Frequency

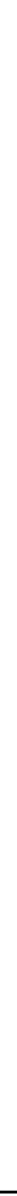
420.950

420.975

421.000

421.025

Length(bp)



Cluster875

Frequency

24.950

24.975

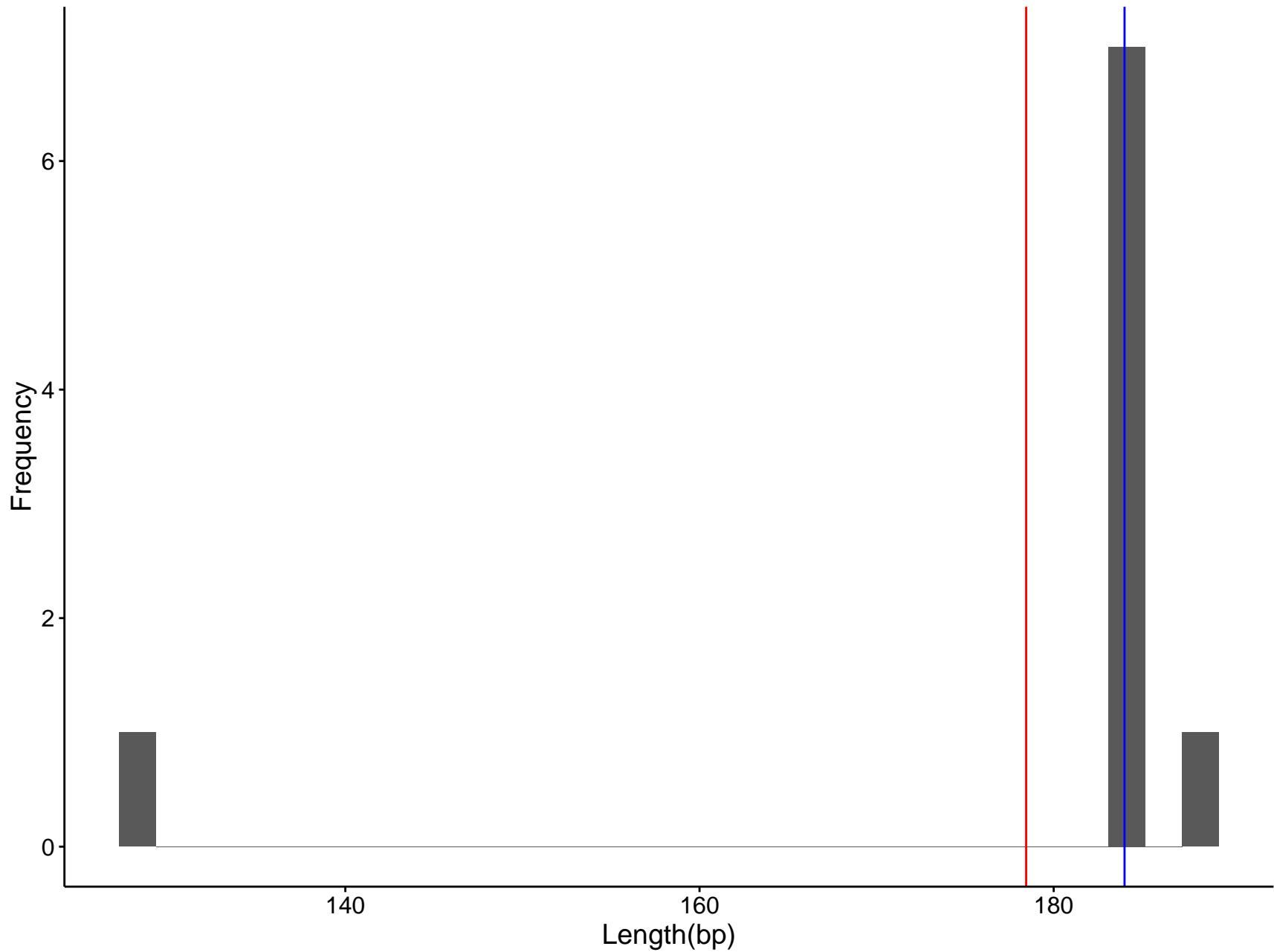
25.000

25.025

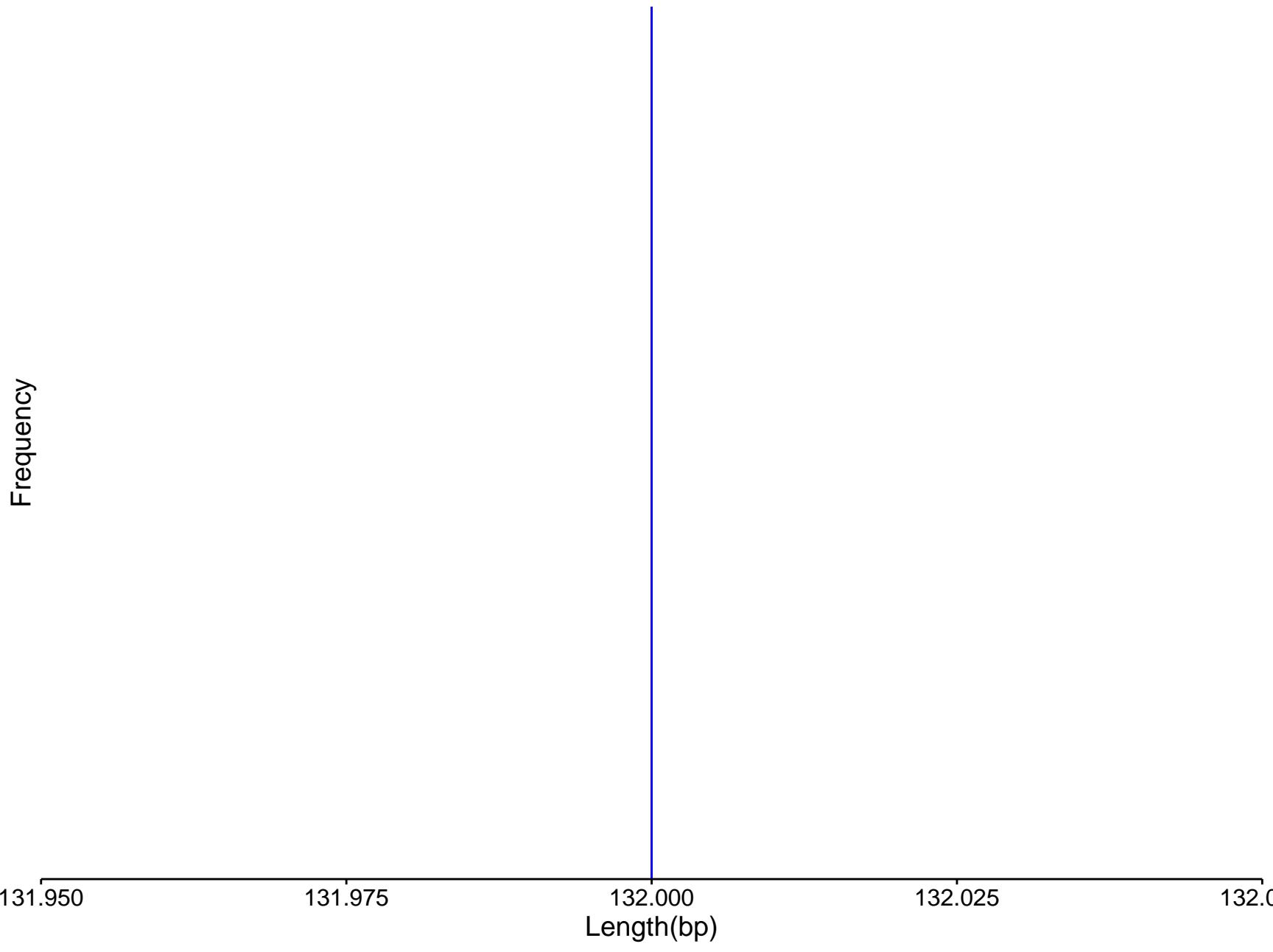
Length(bp)



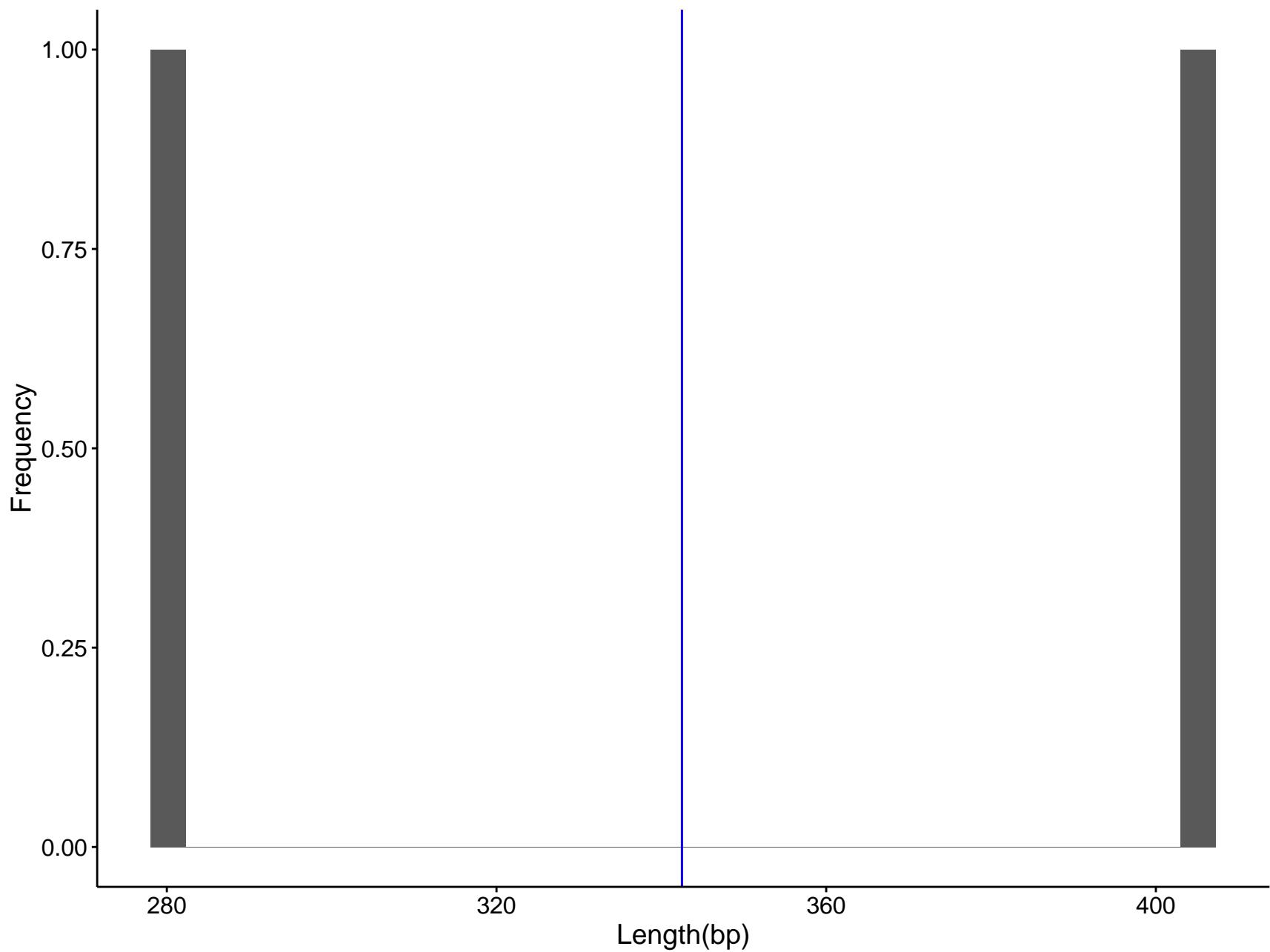
Cluster876



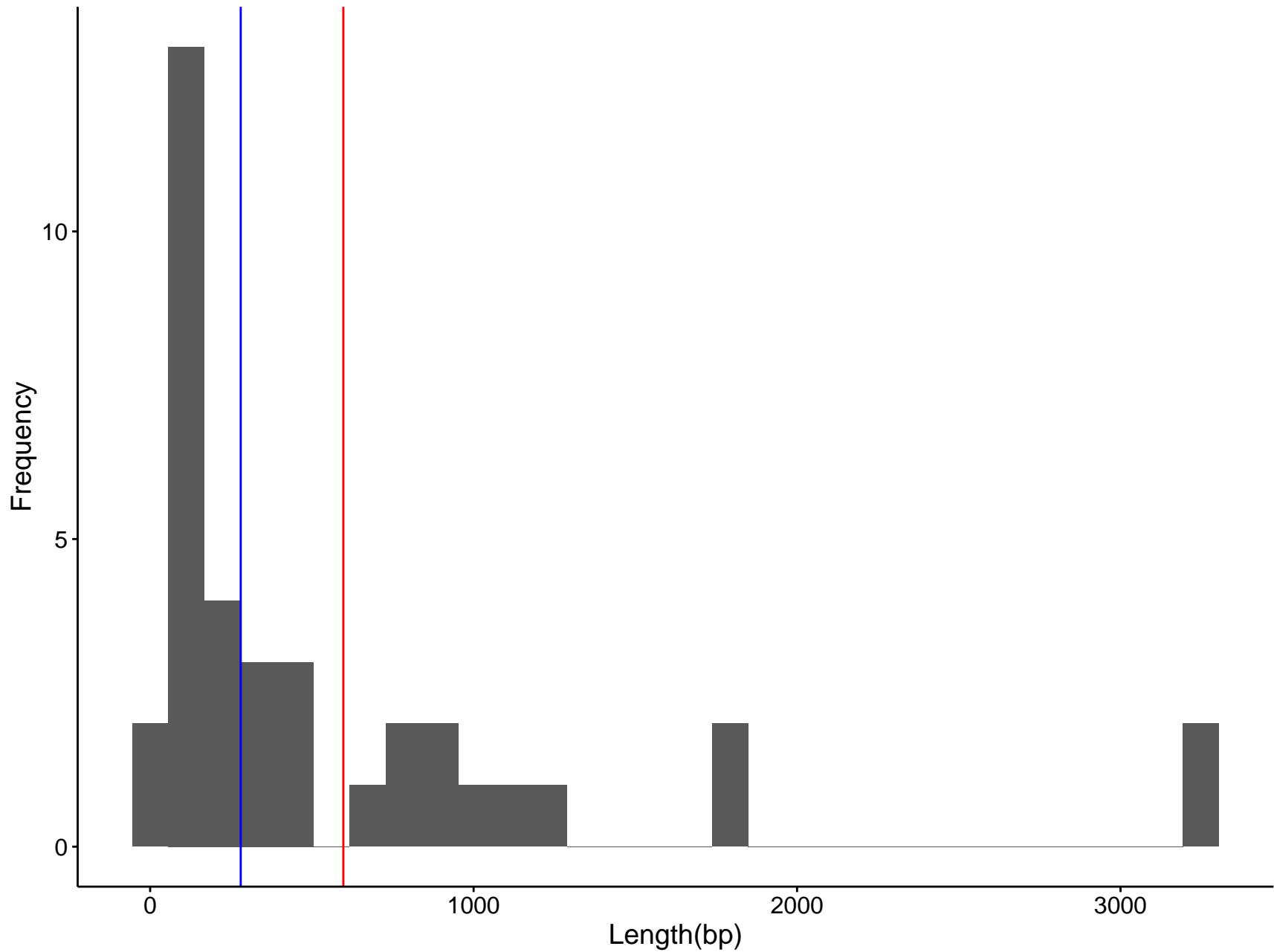
# Cluster878



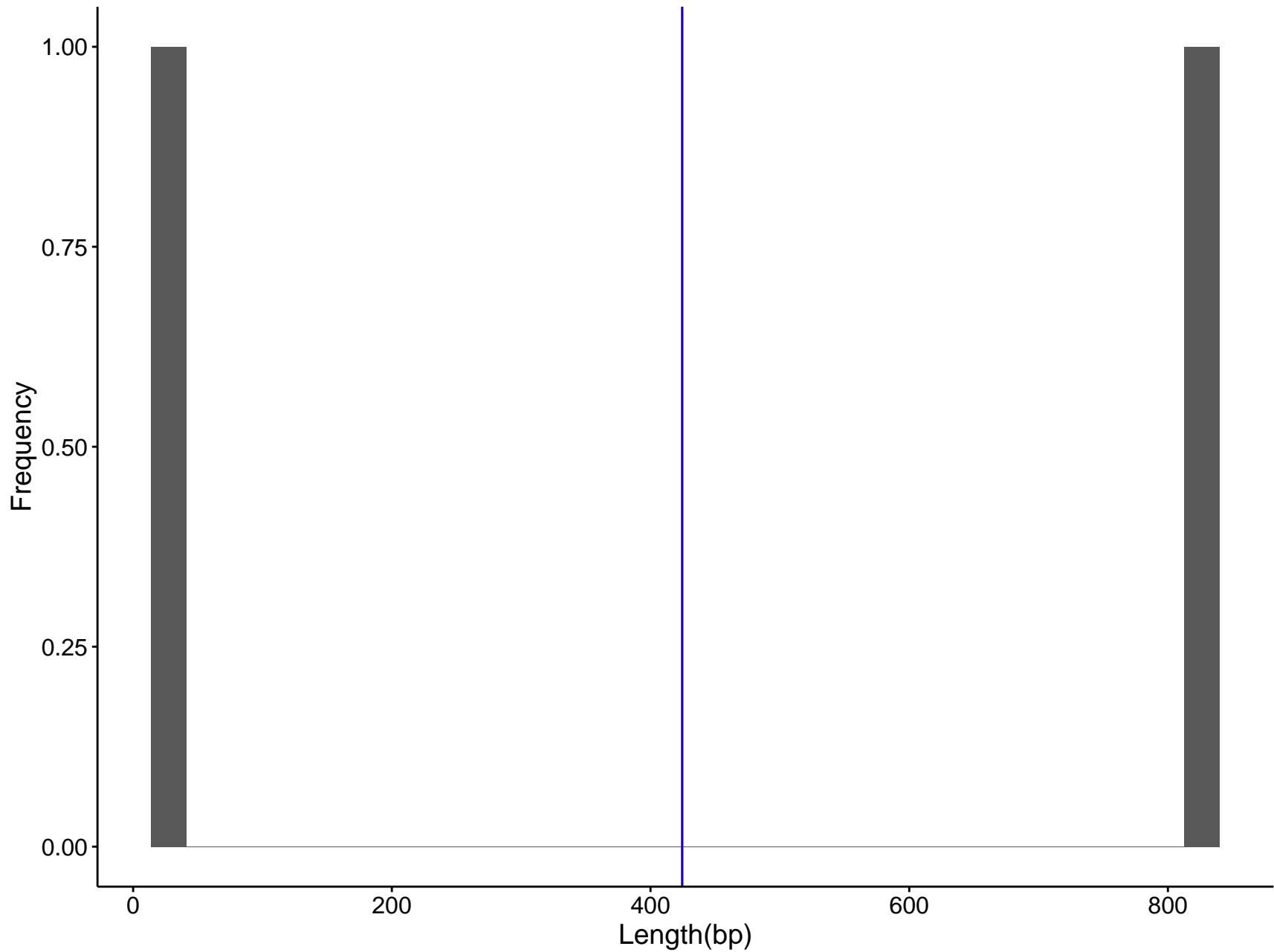
Cluster879



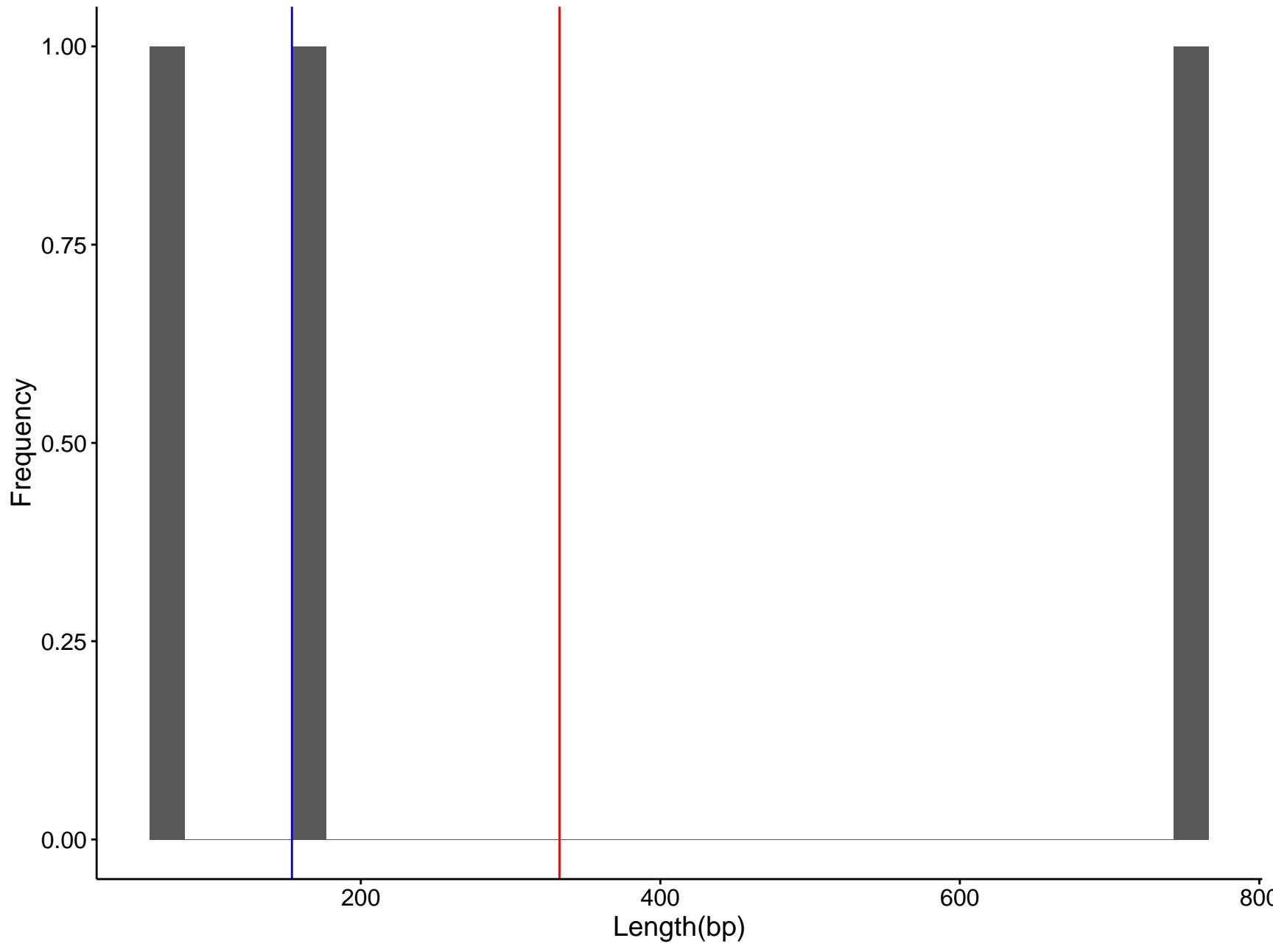
Cluster87



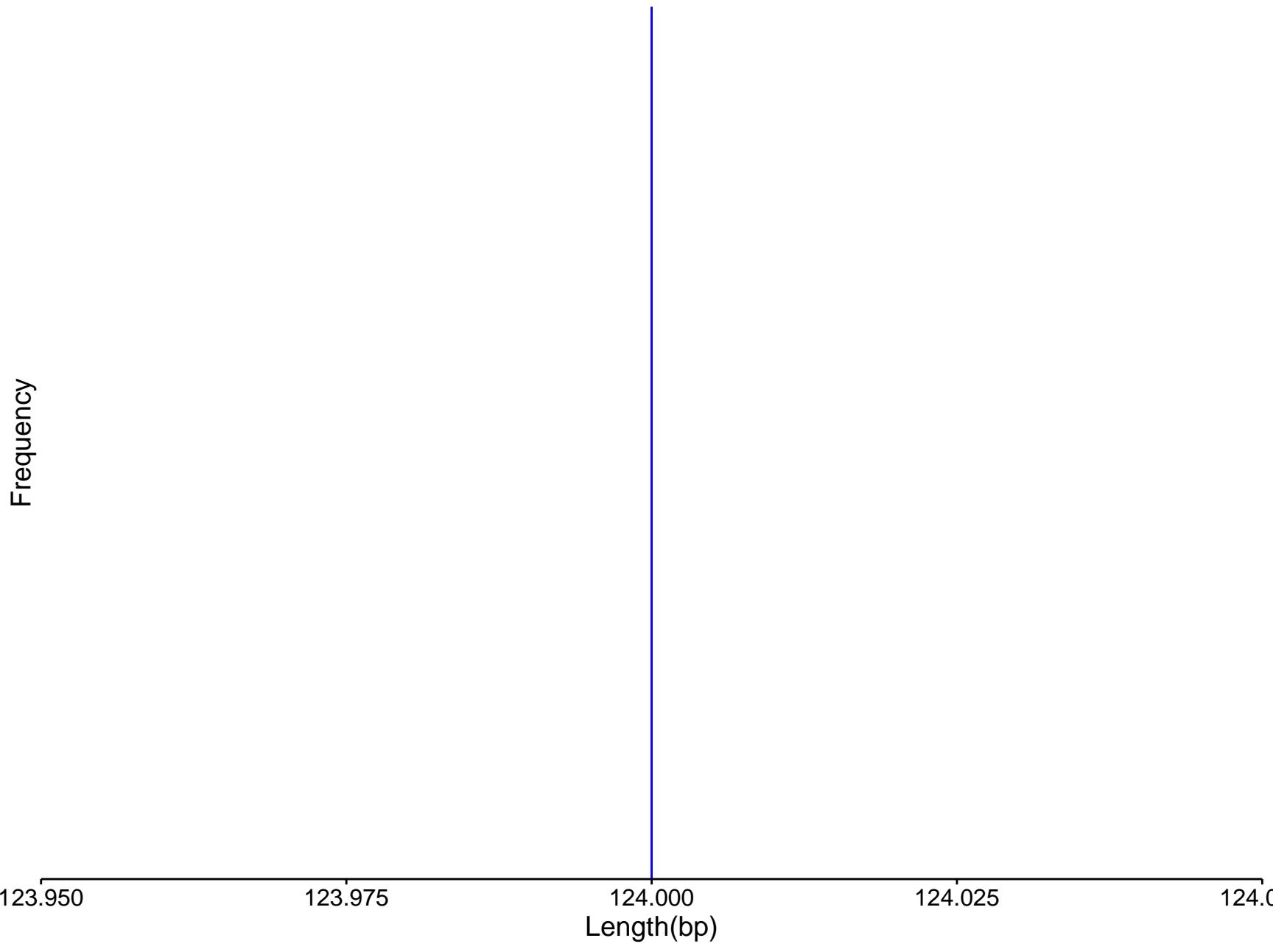
Cluster880



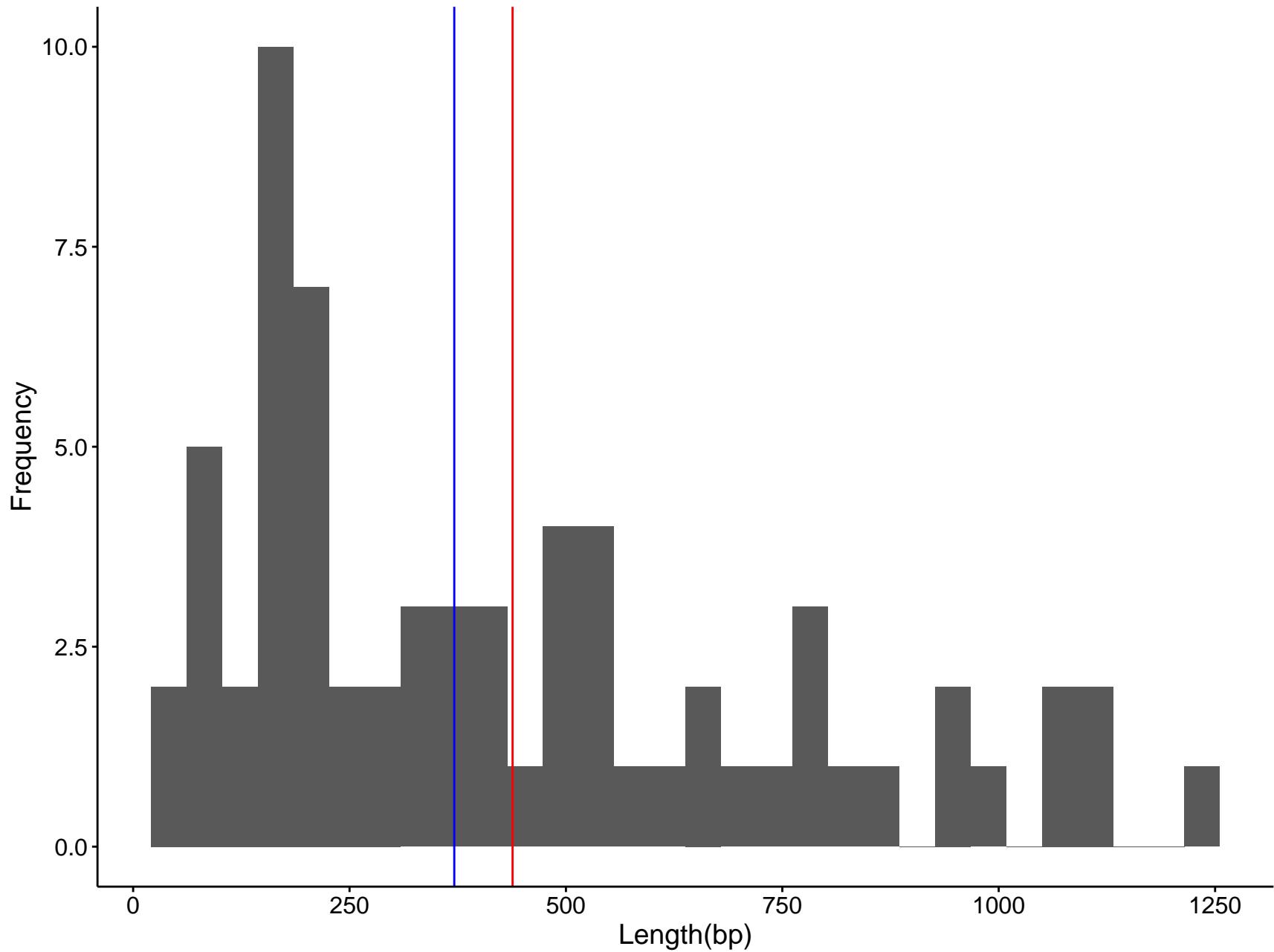
Cluster881



# Cluster883



Cluster885



# Cluster886

Frequency

312.950

312.975

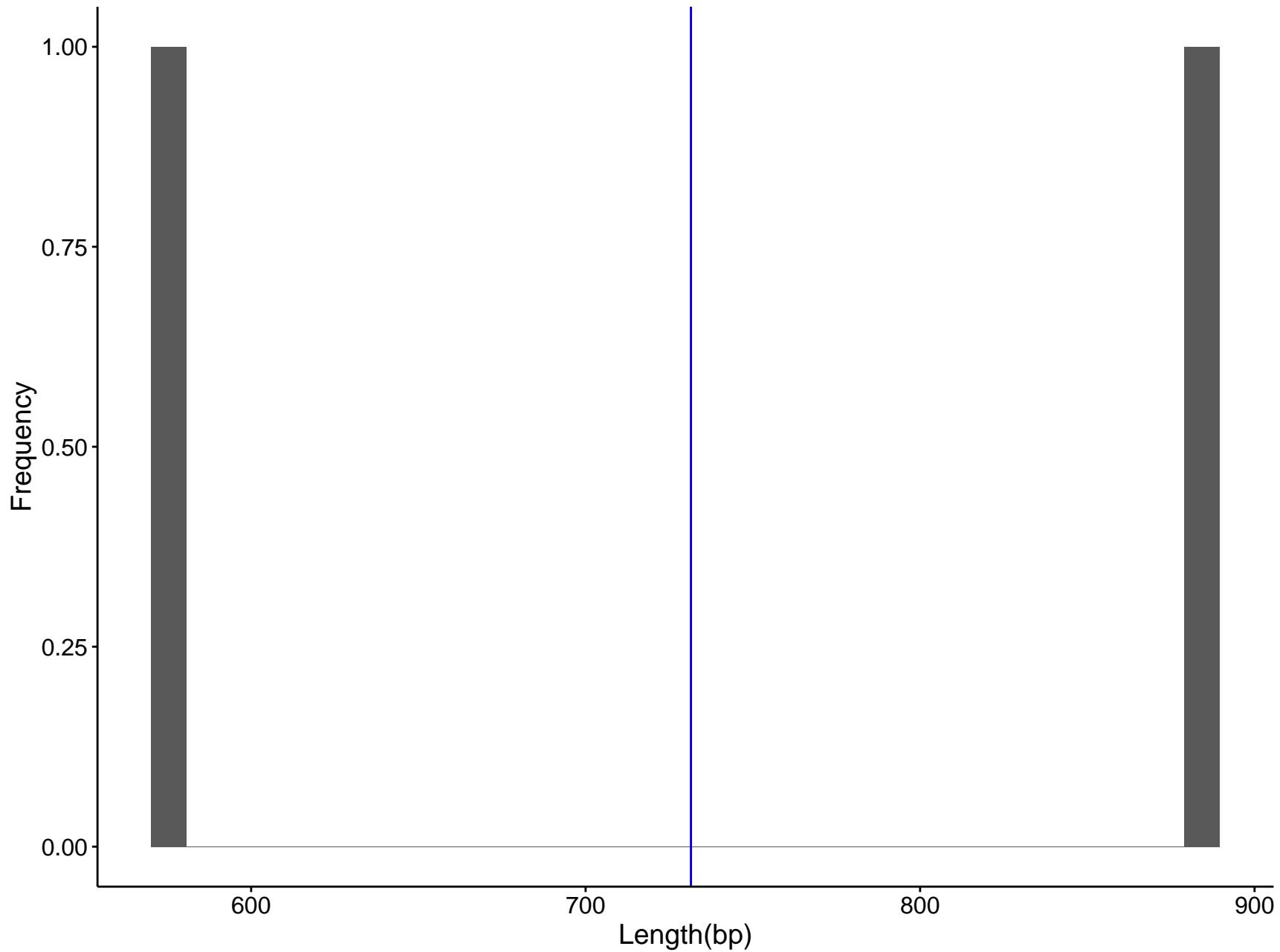
313.000

313.025

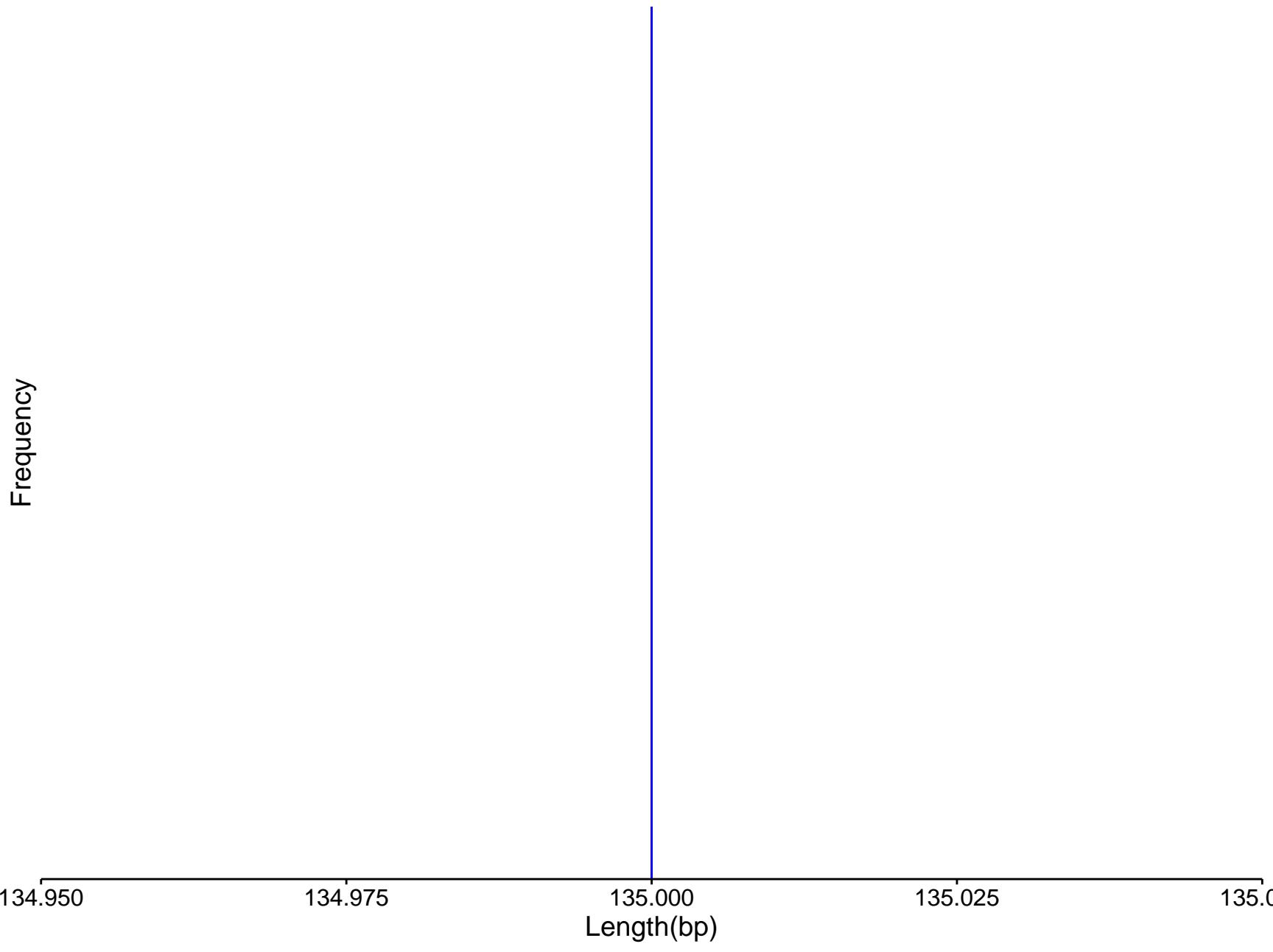
Length(bp)



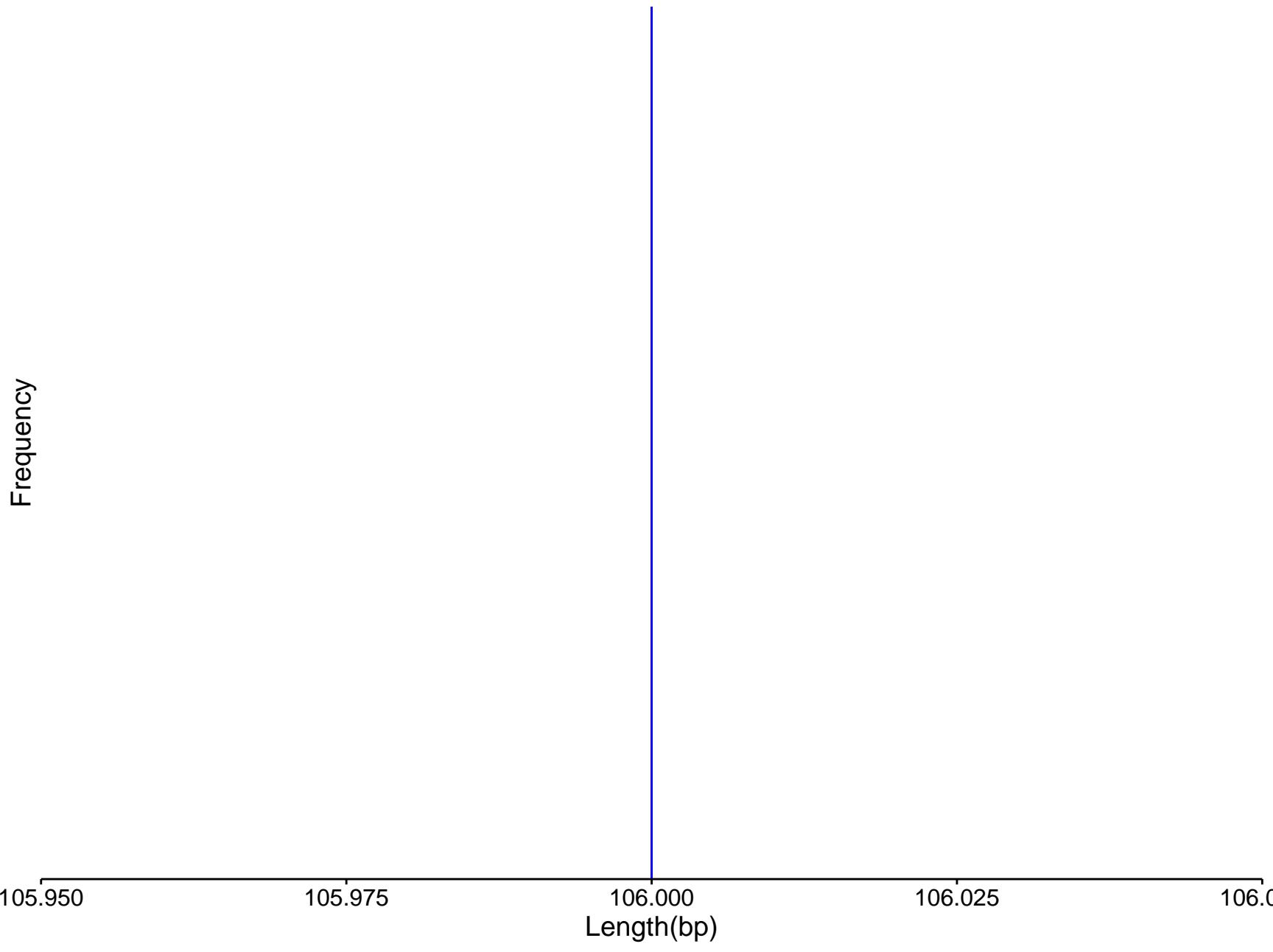
Cluster887



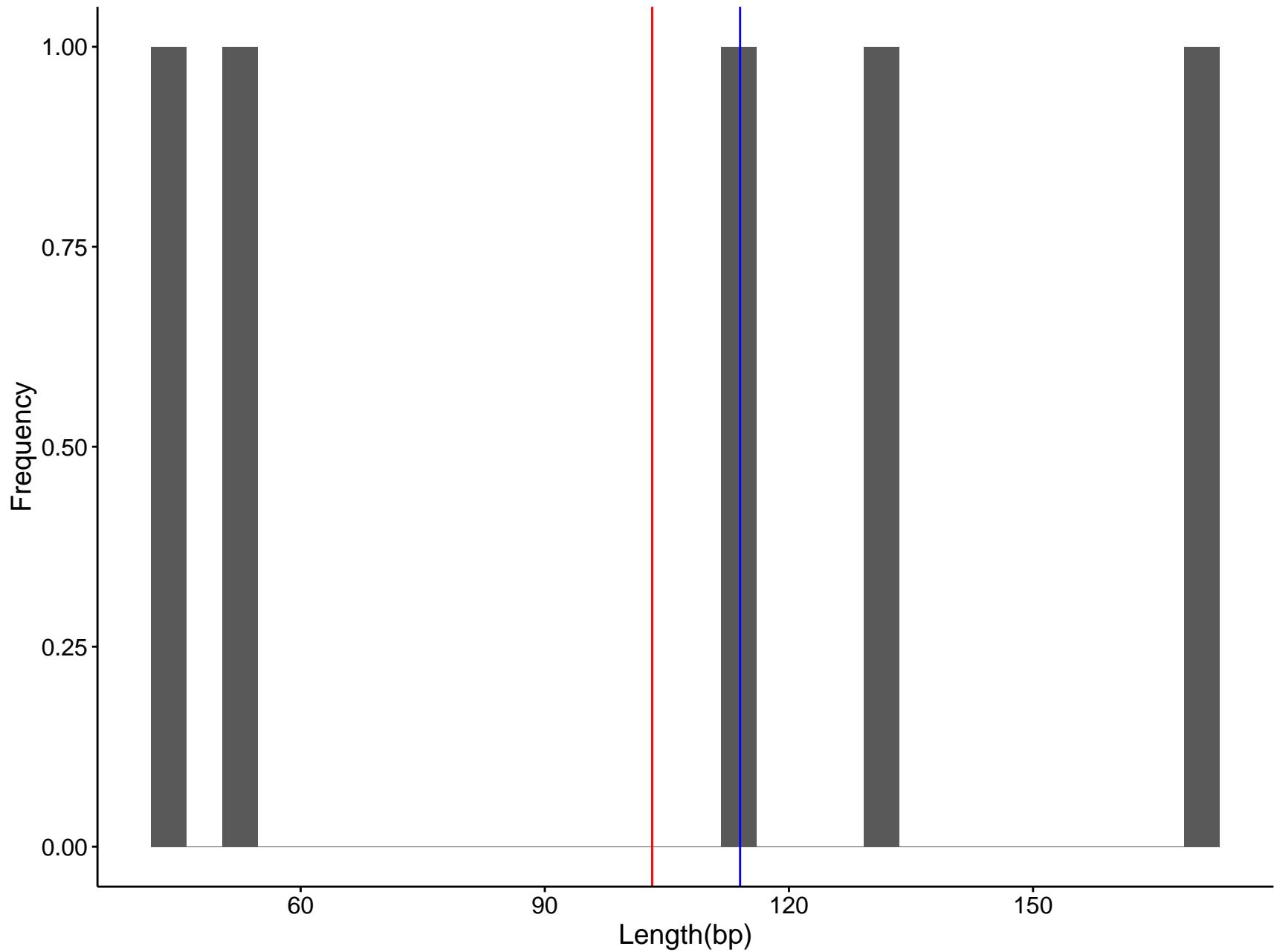
# Cluster888



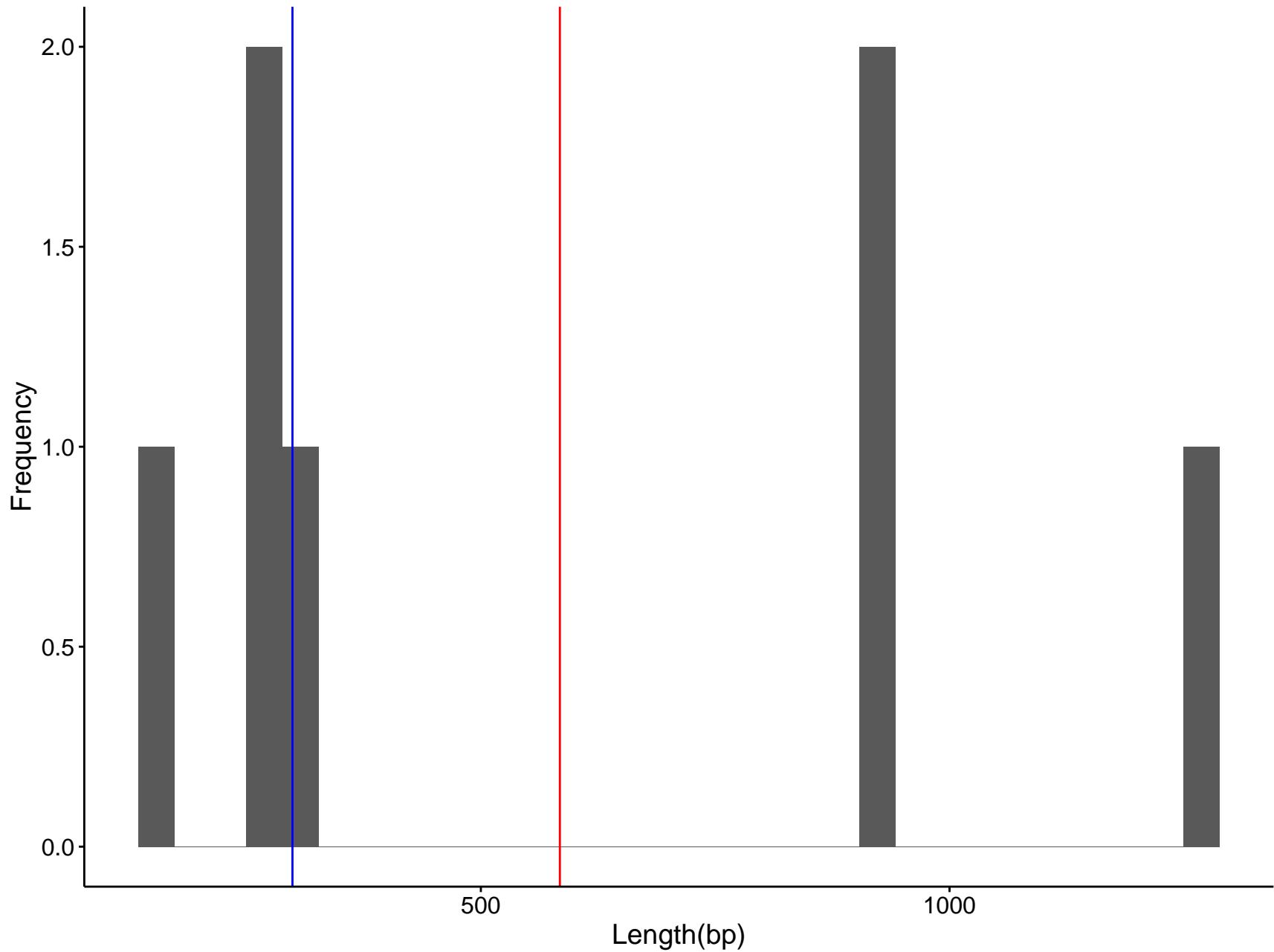
# Cluster889



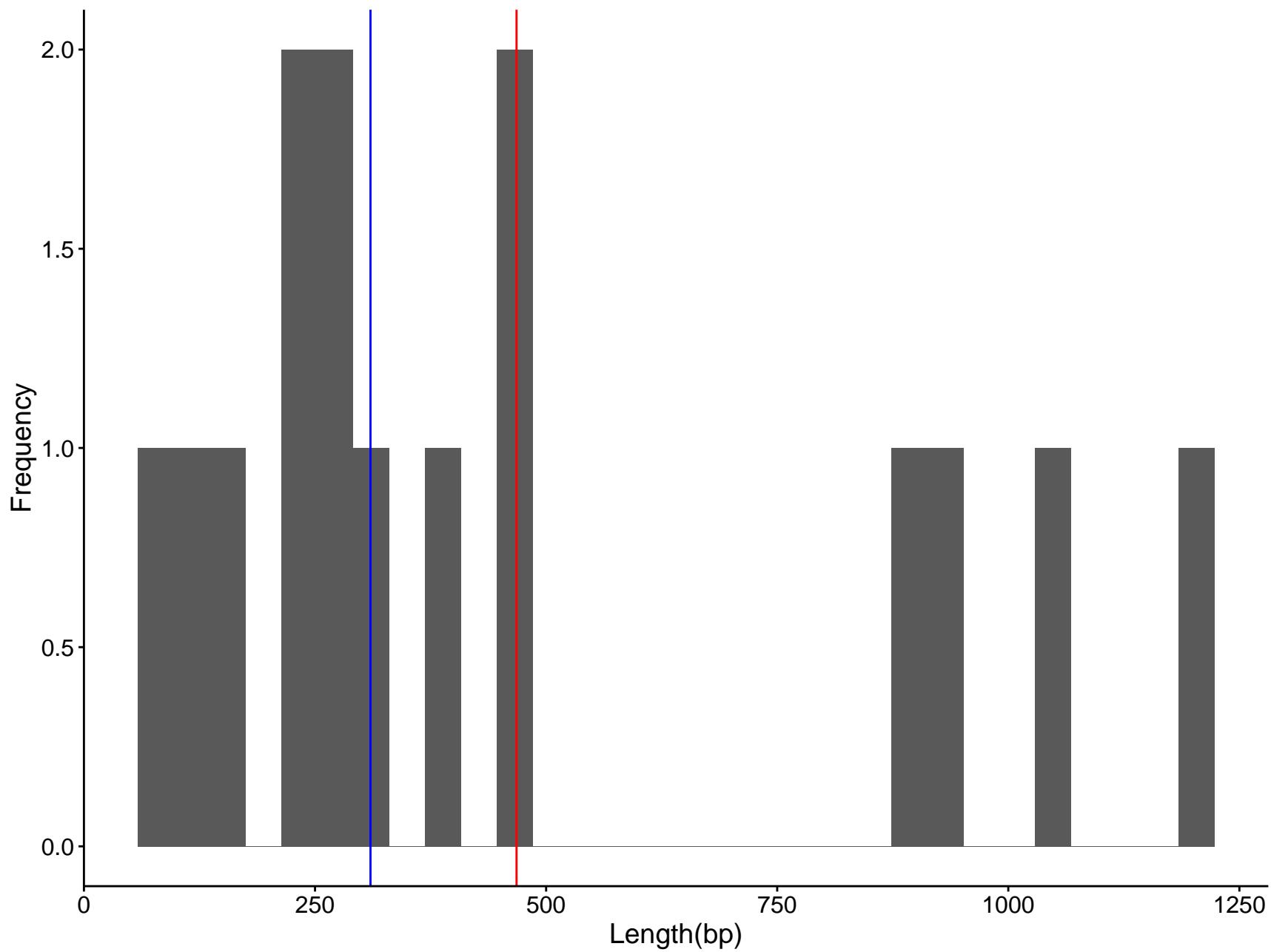
Cluster88



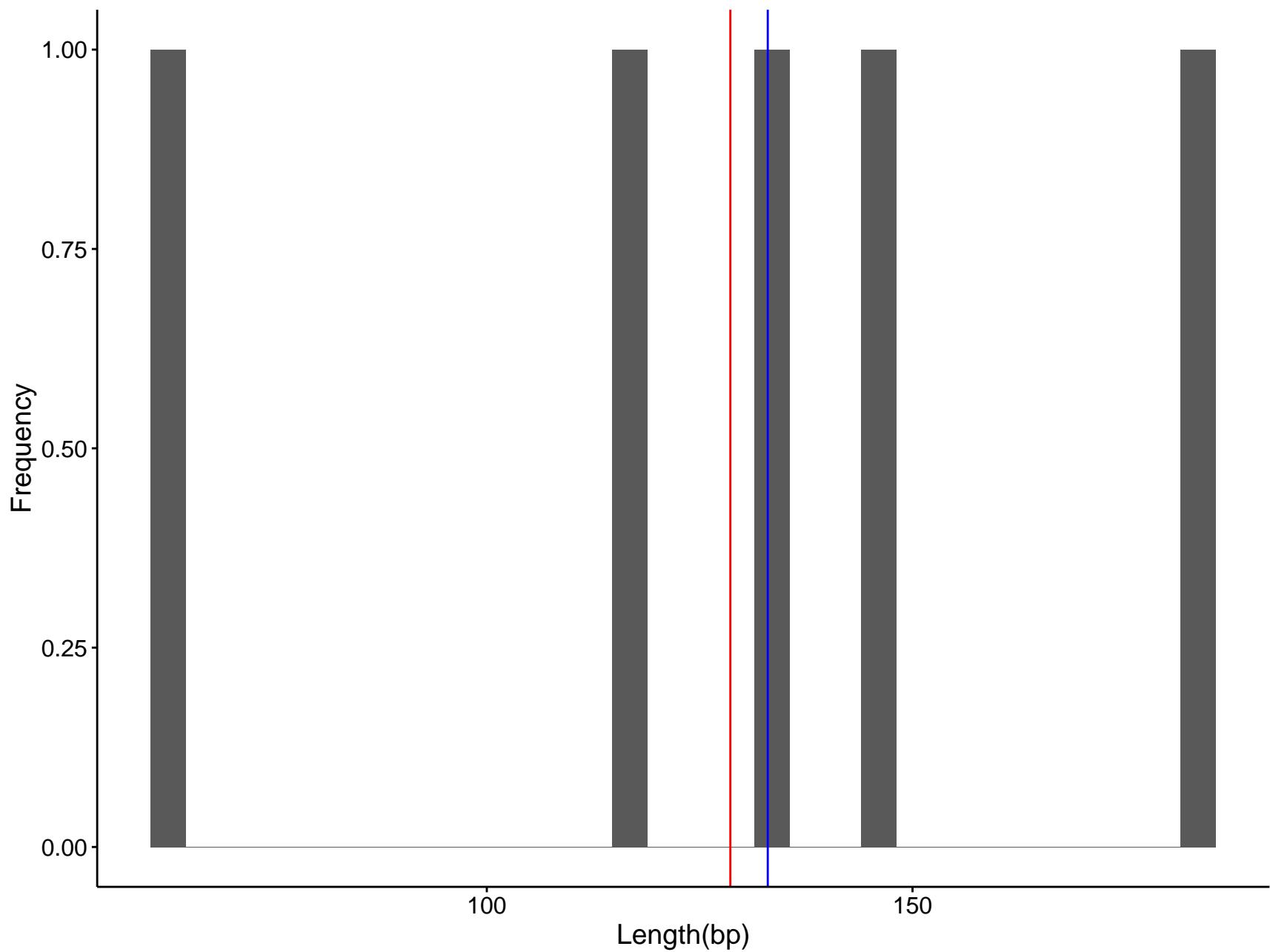
Cluster890



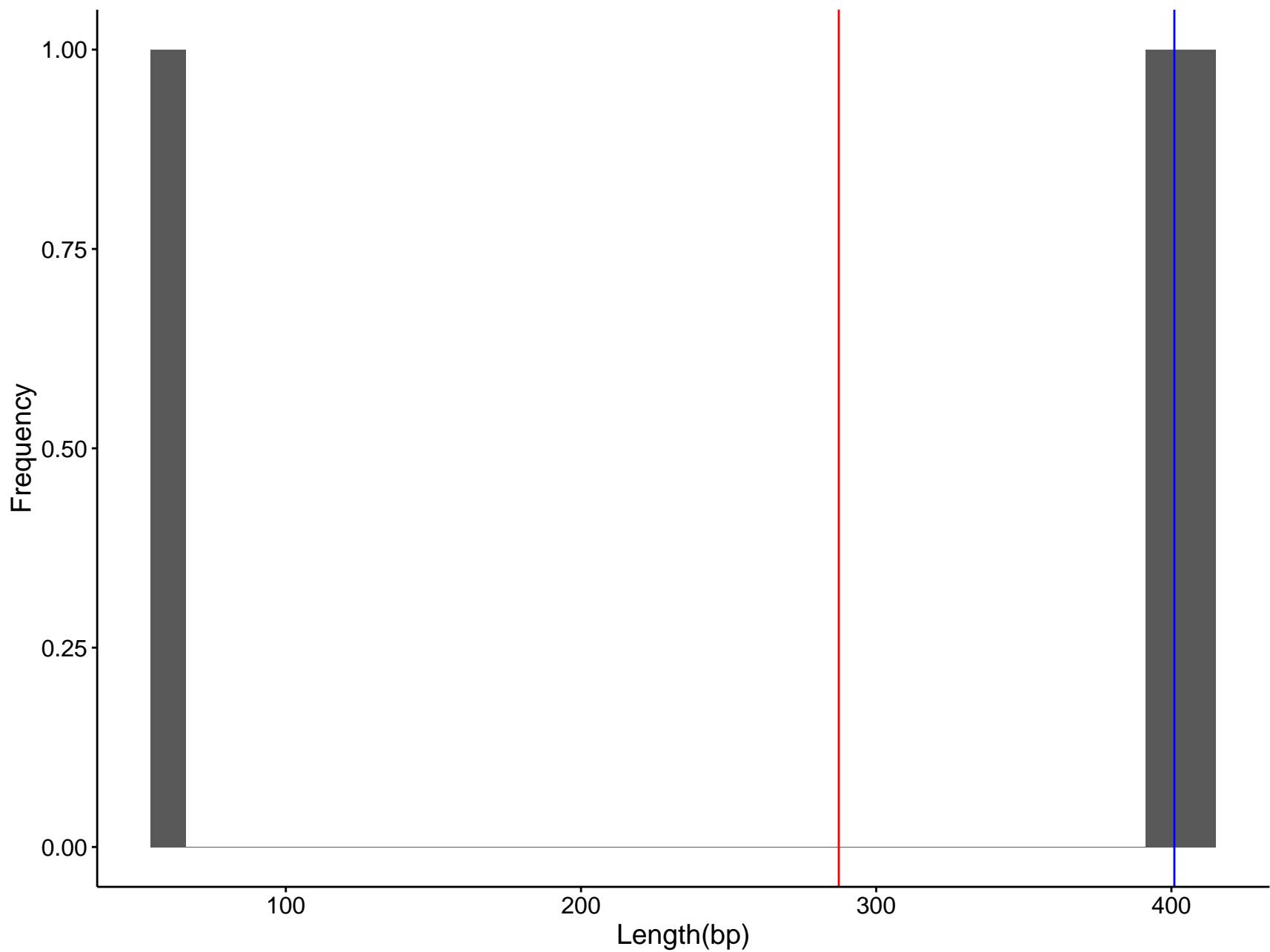
Cluster893



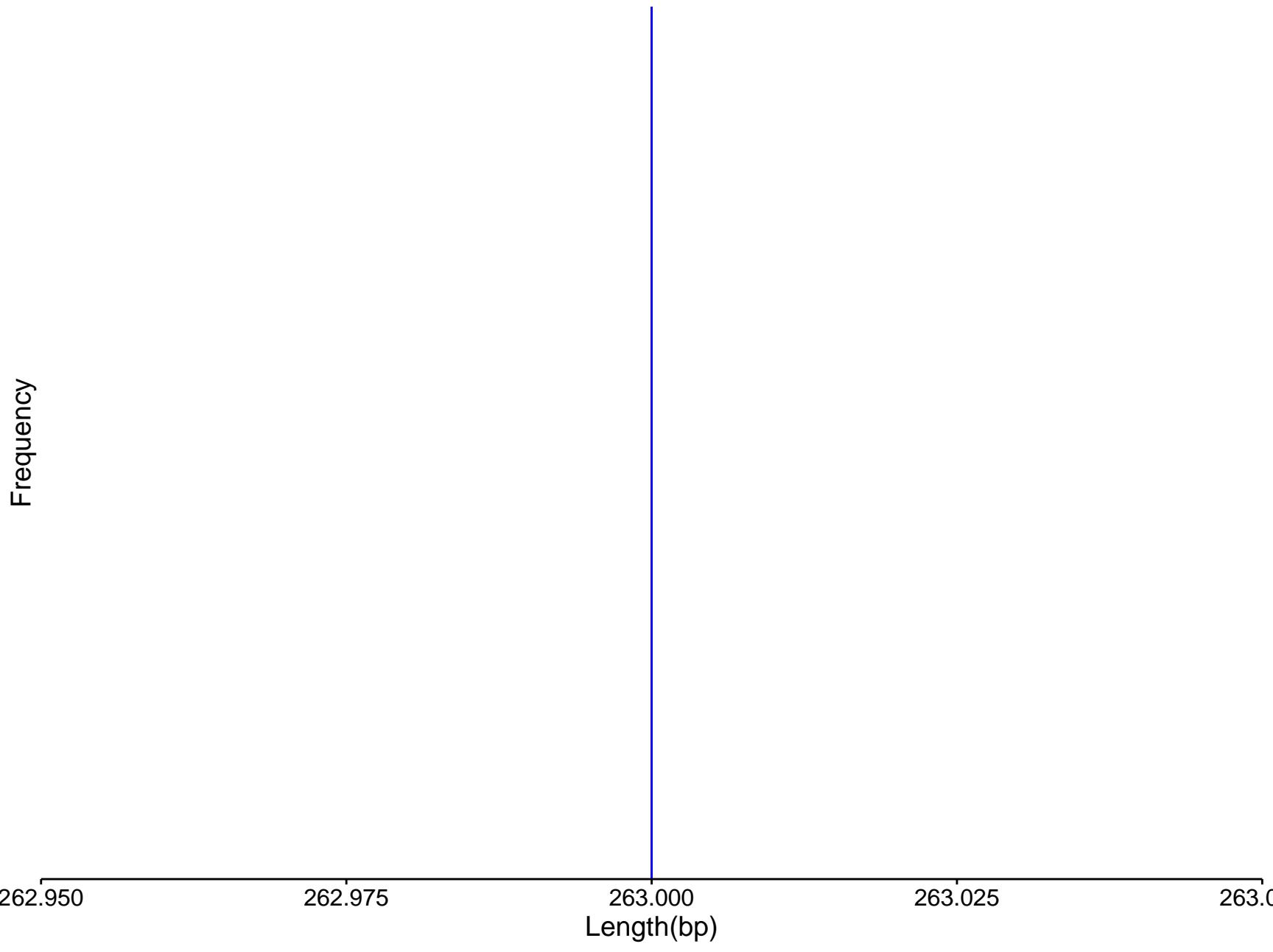
Cluster896



Cluster897



# Cluster898



Cluster899

Frequency

327.950

327.975

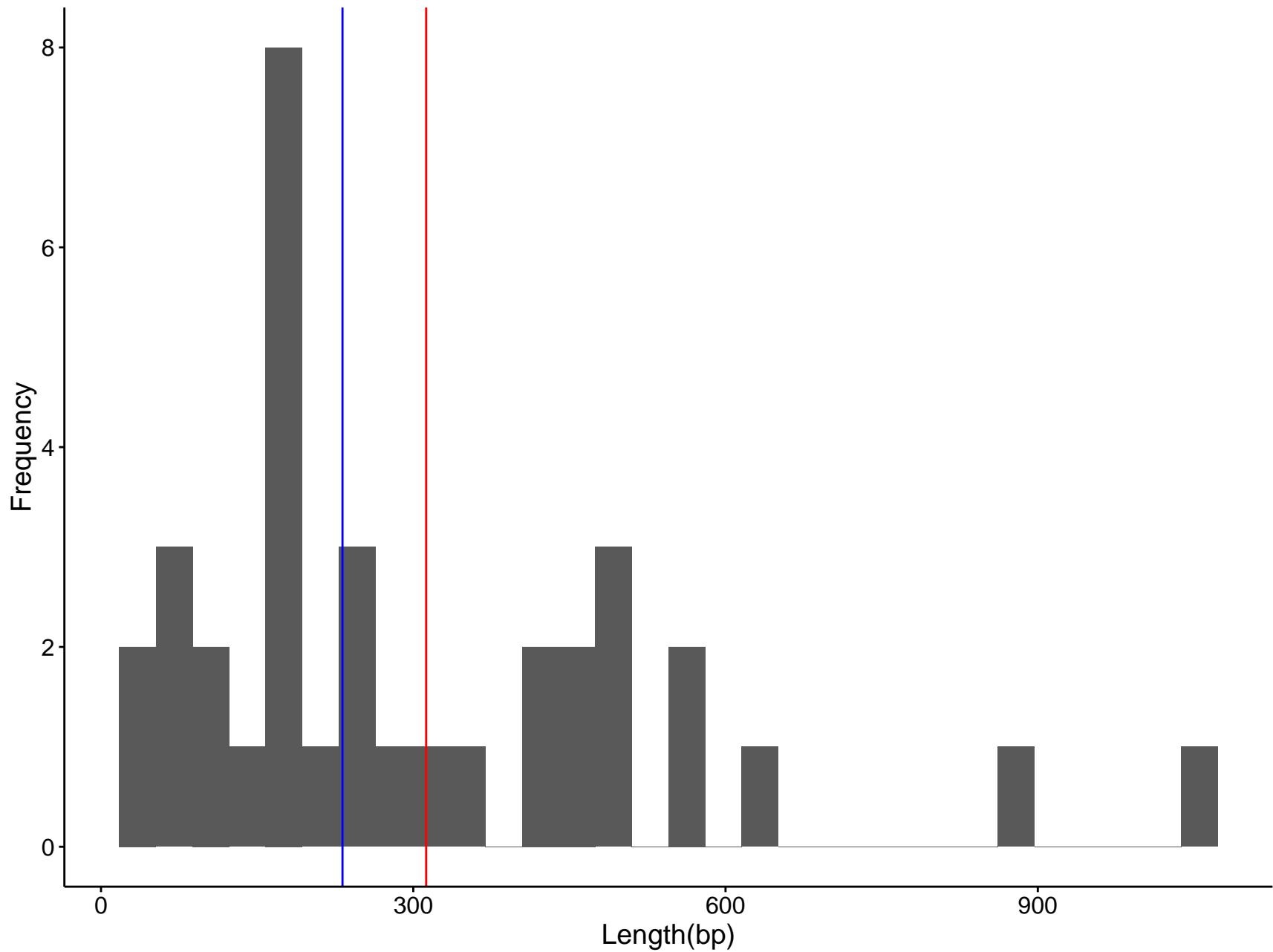
328.000

328.025

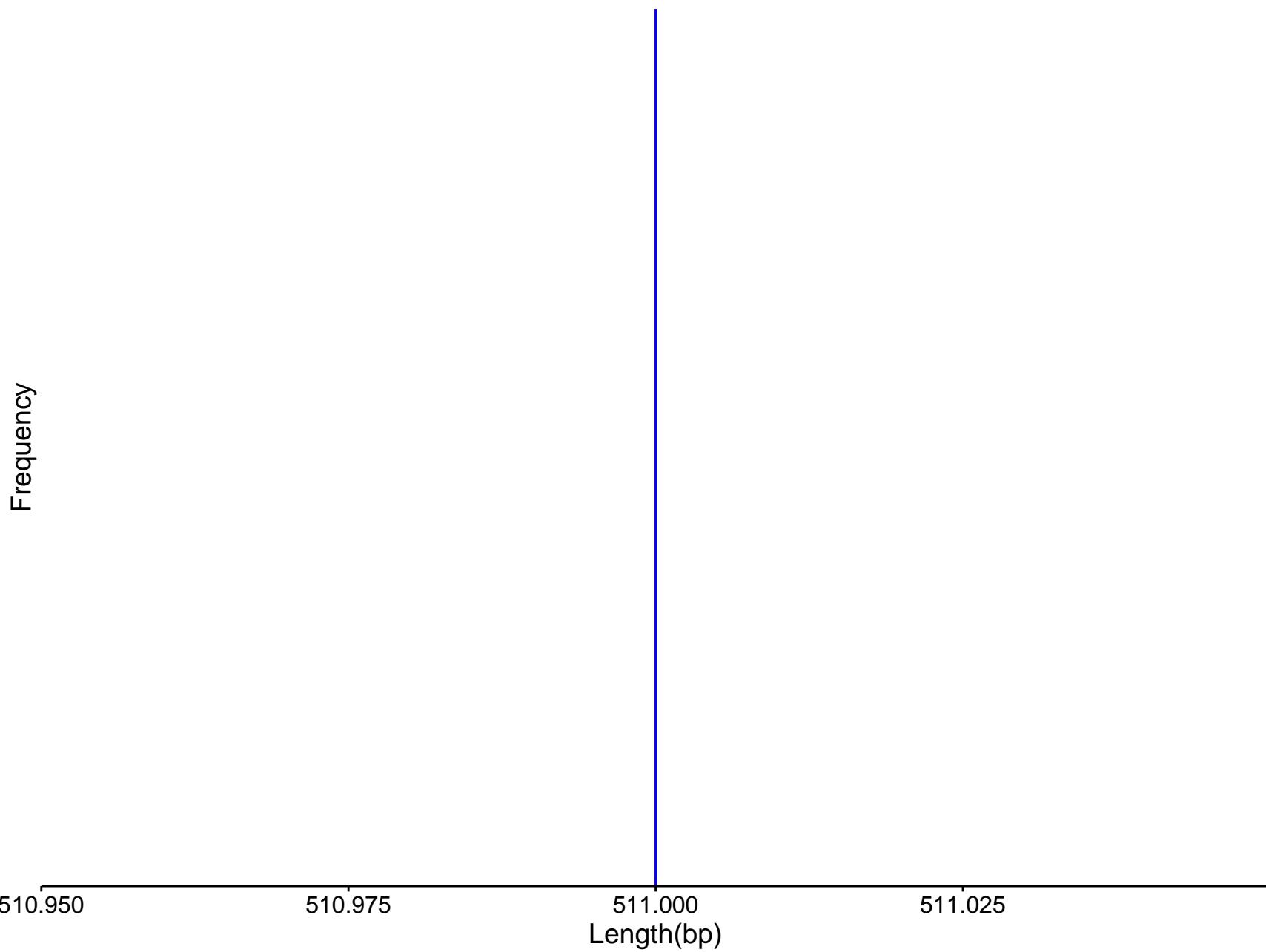
Length(bp)



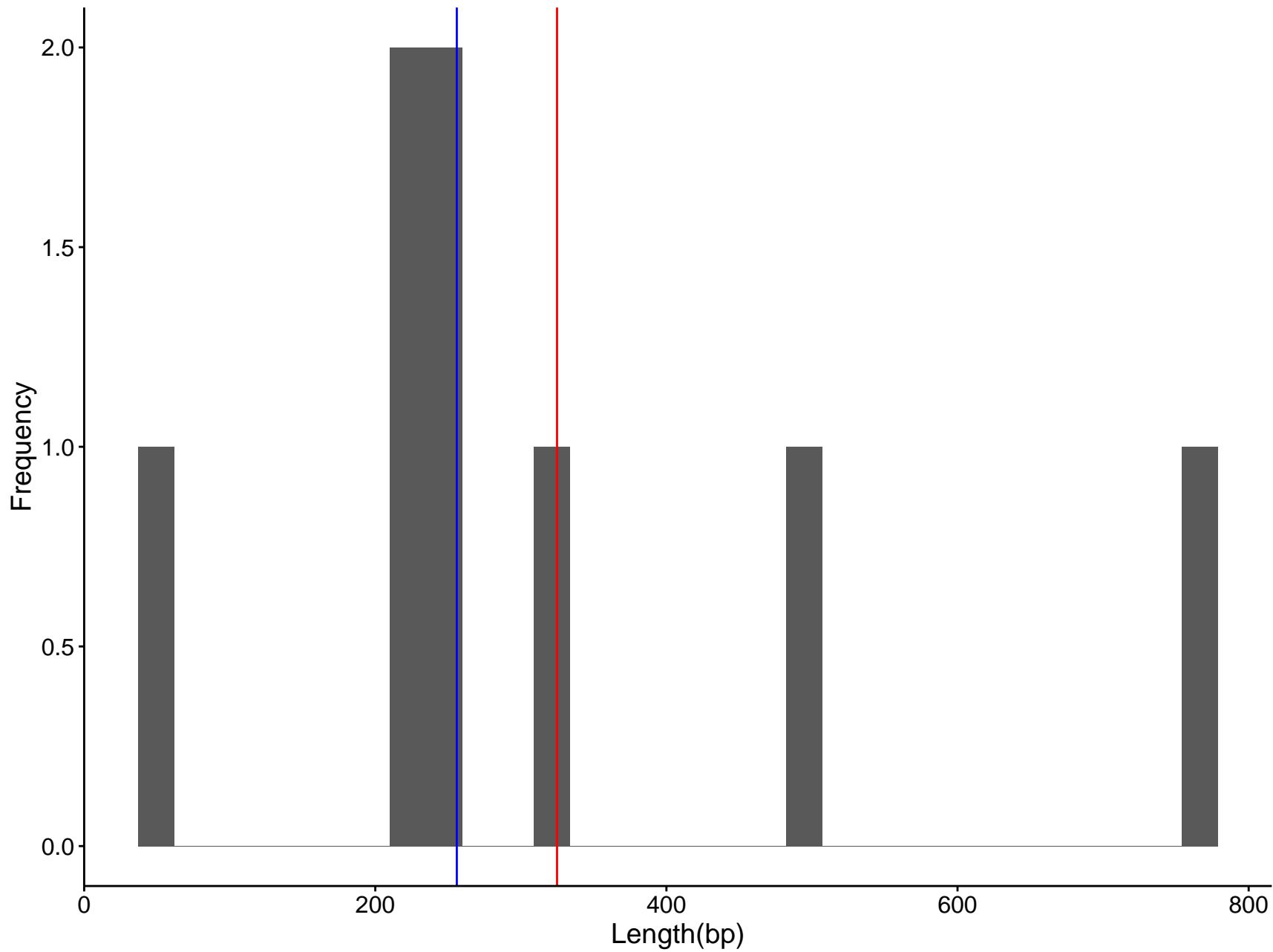
Cluster900



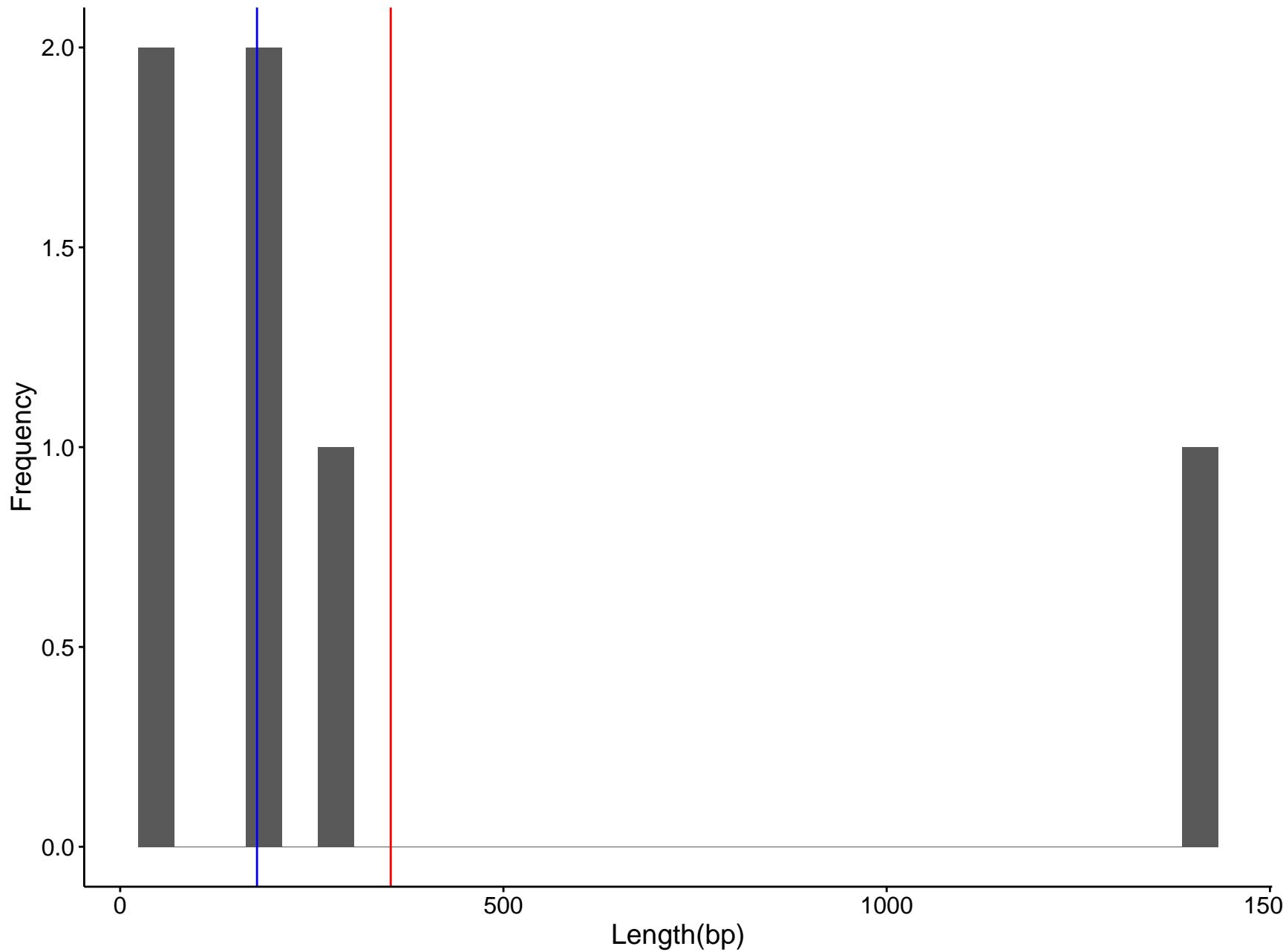
# Cluster901



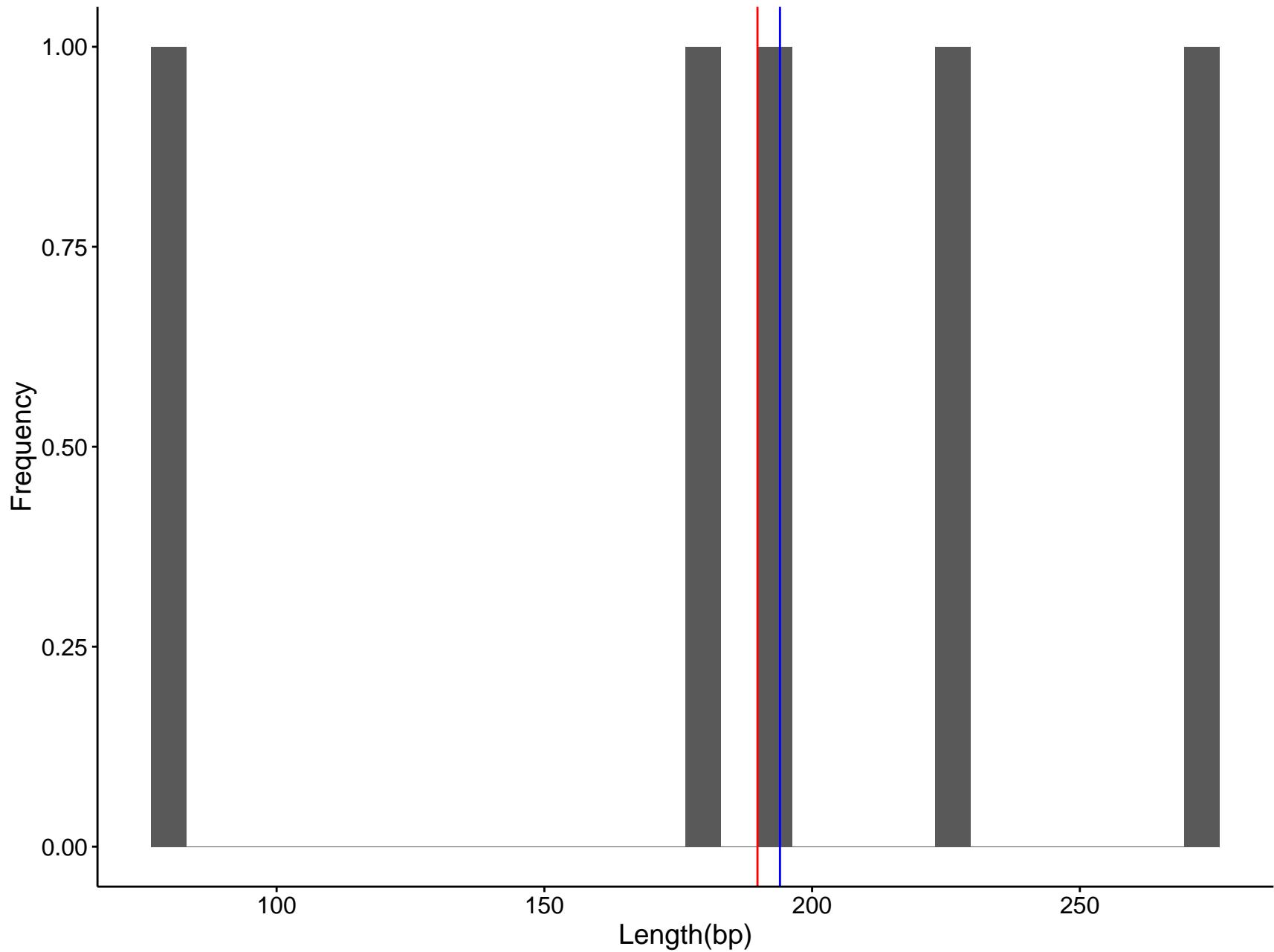
Cluster903



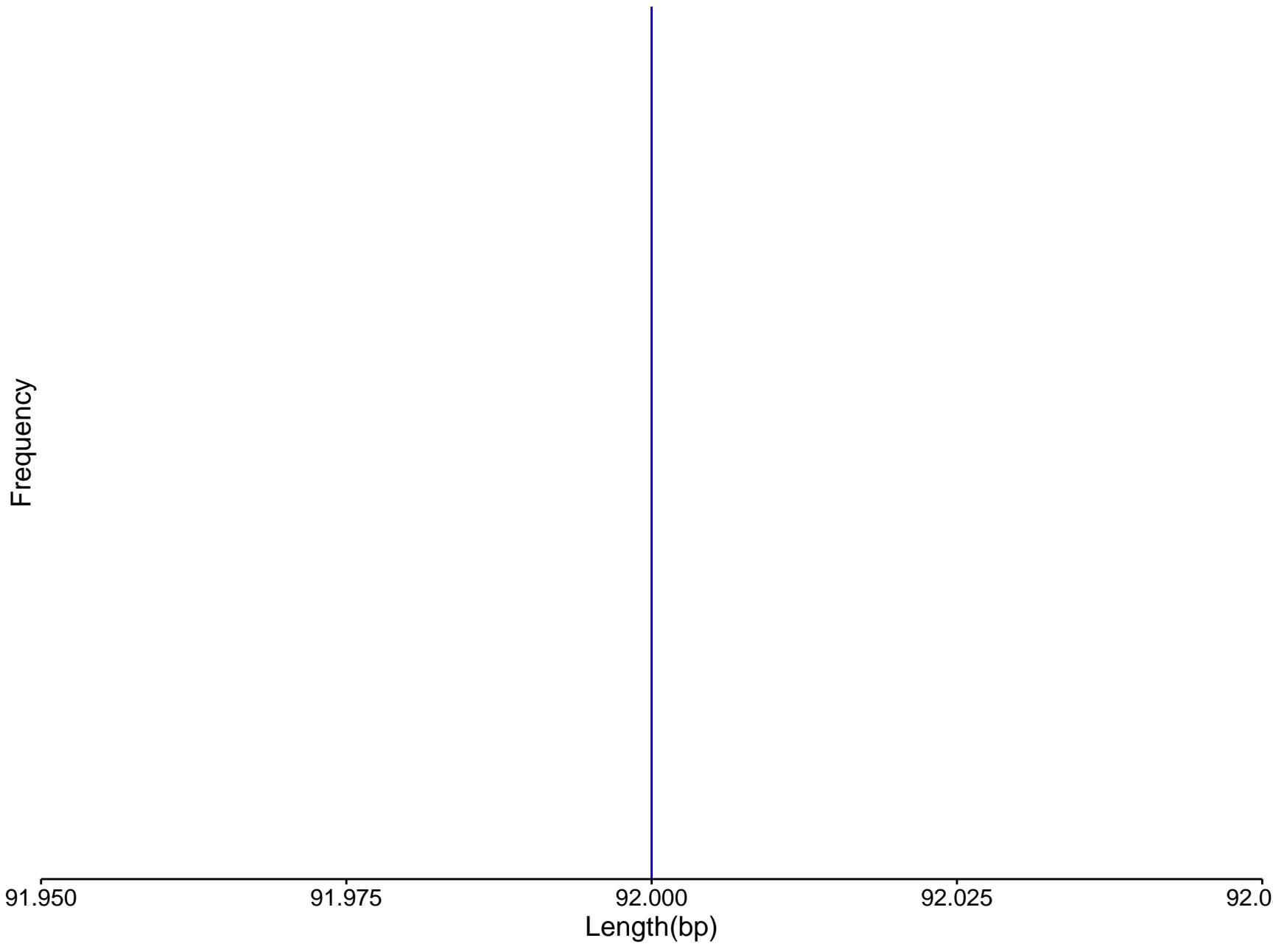
Cluster904



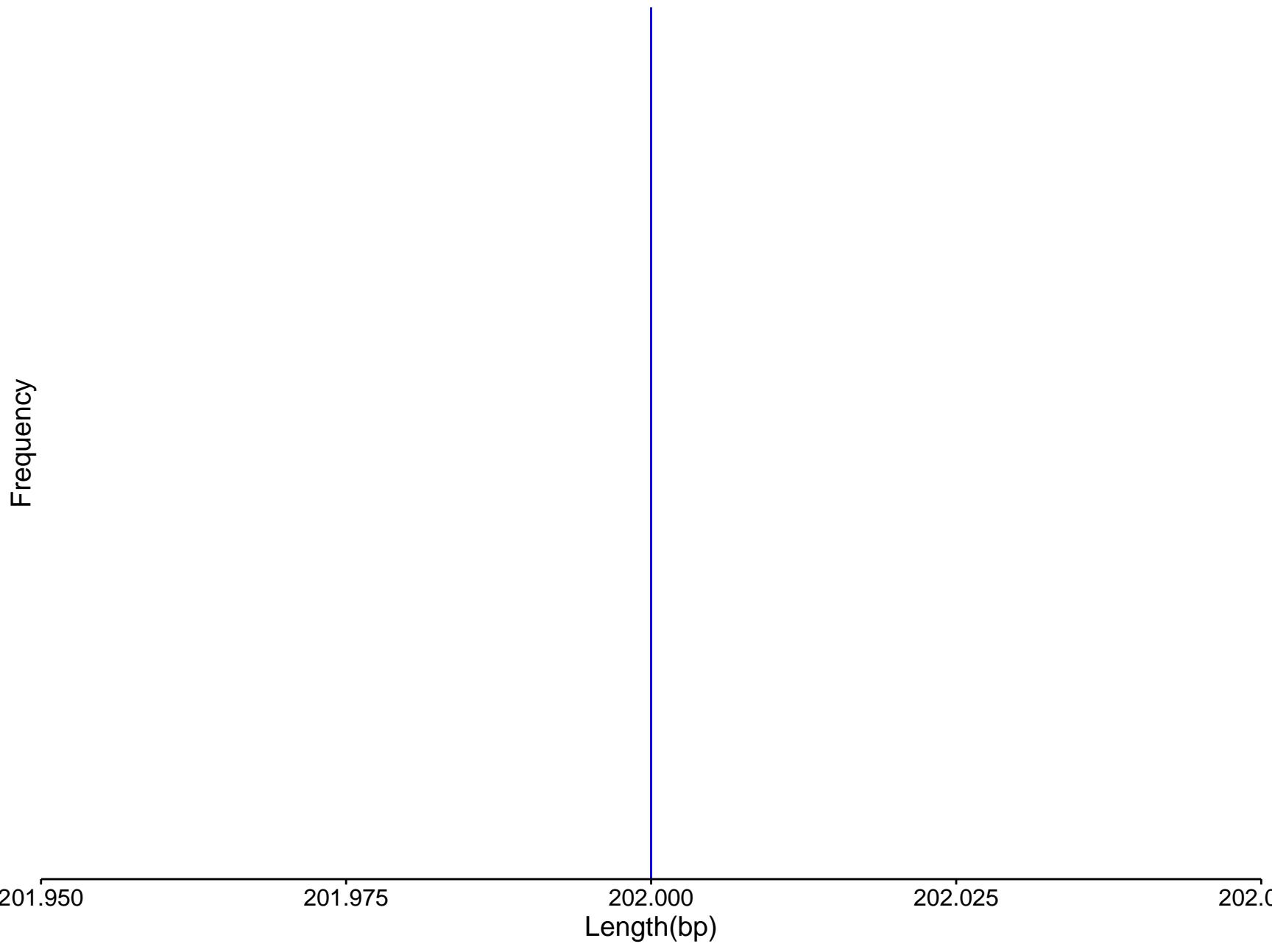
Cluster905



# Cluster908



# Cluster910



# Cluster911

Frequency

500.950

500.975

501.000

501.025

Length(bp)



# Cluster912

Frequency

530.950

530.975

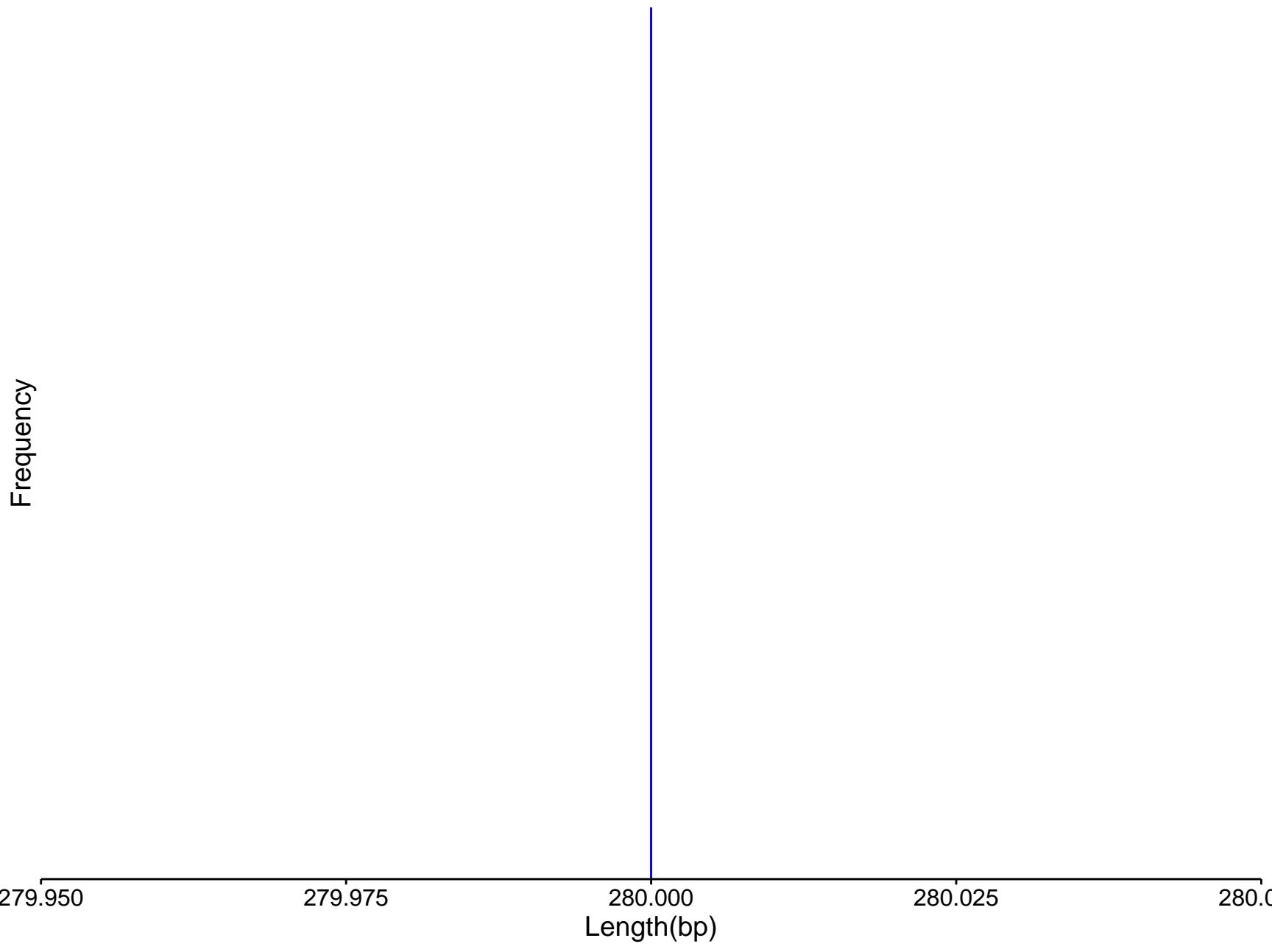
531.000

531.025

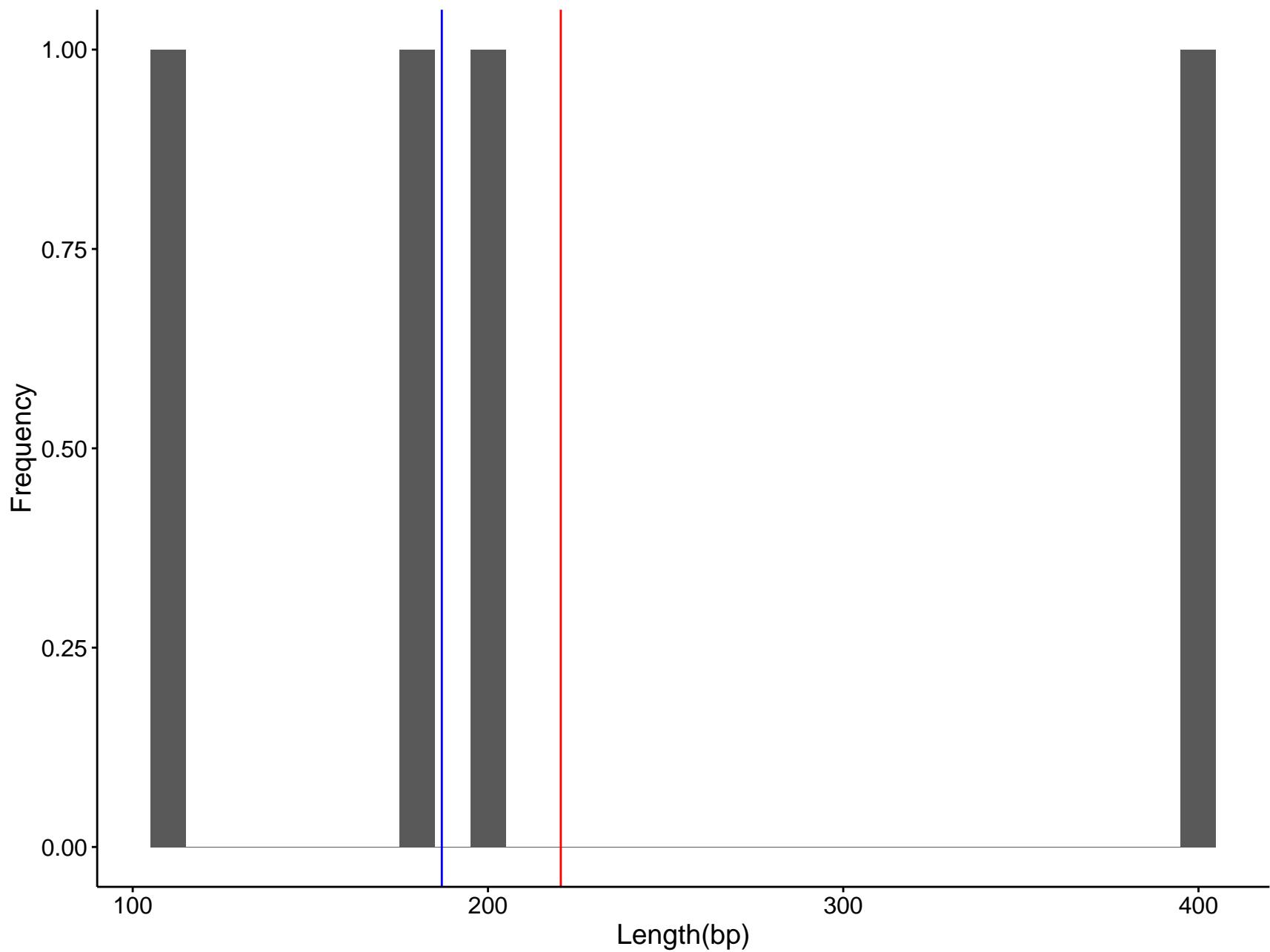
Length(bp)



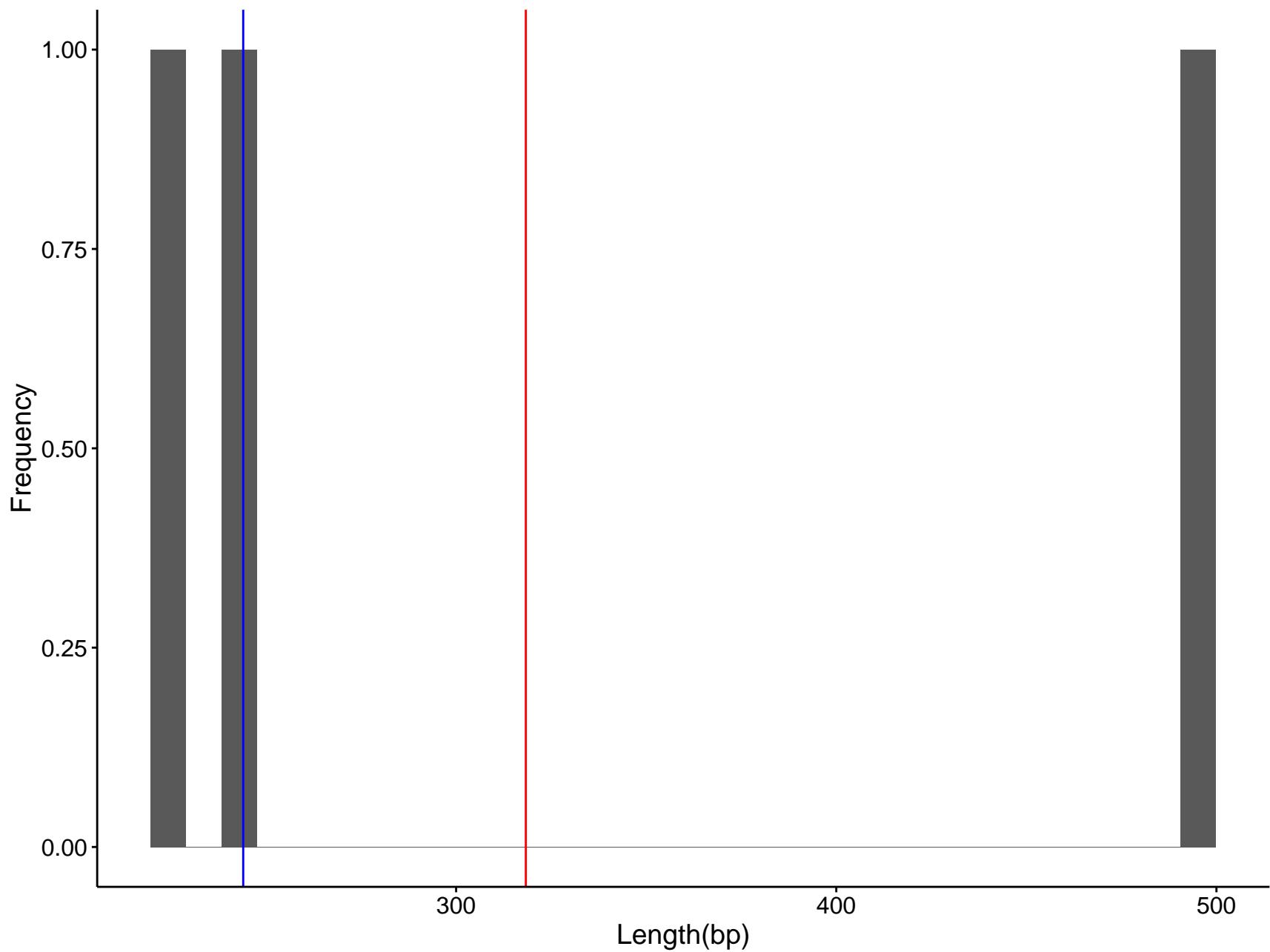
# Cluster915



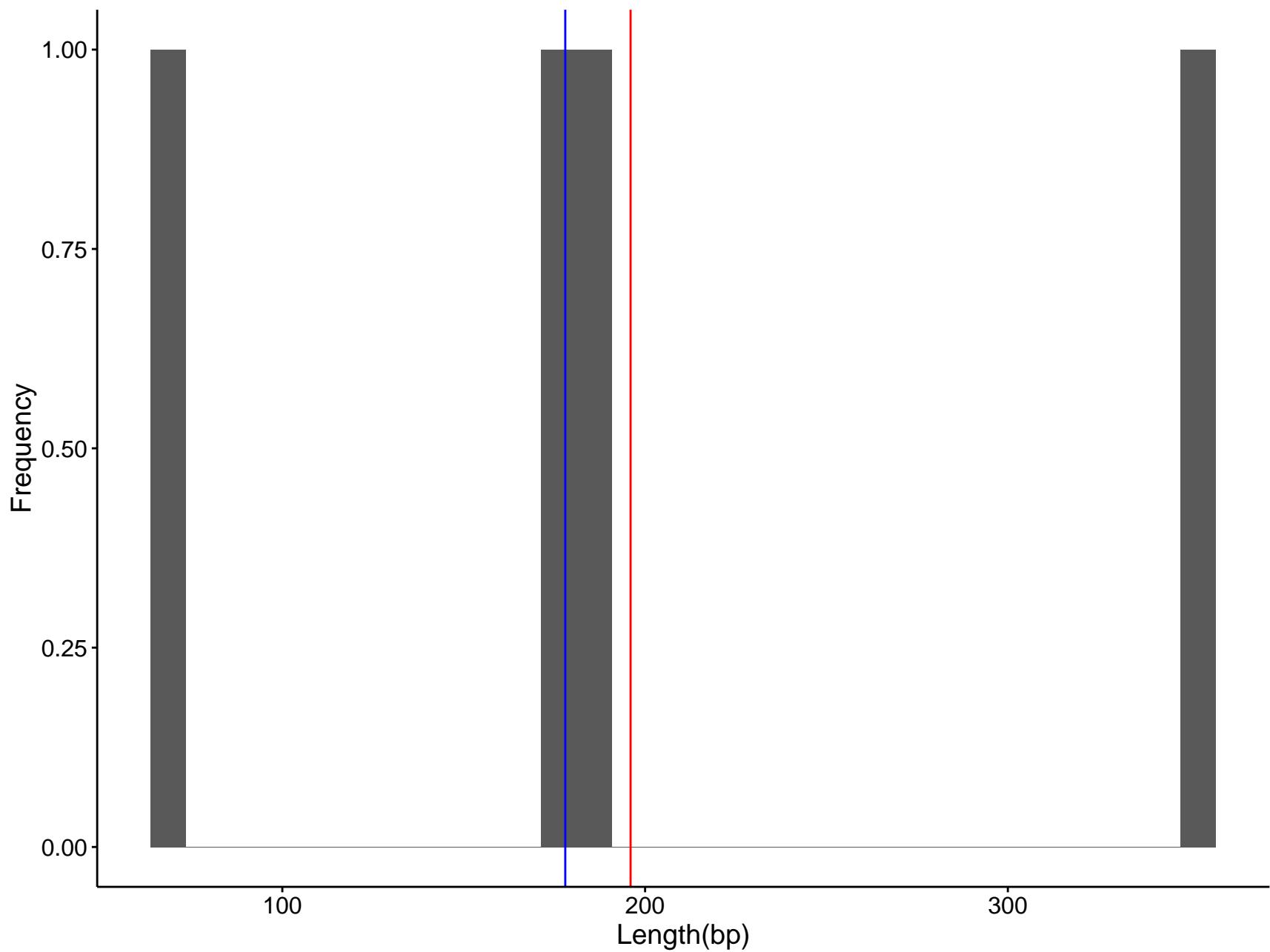
Cluster916



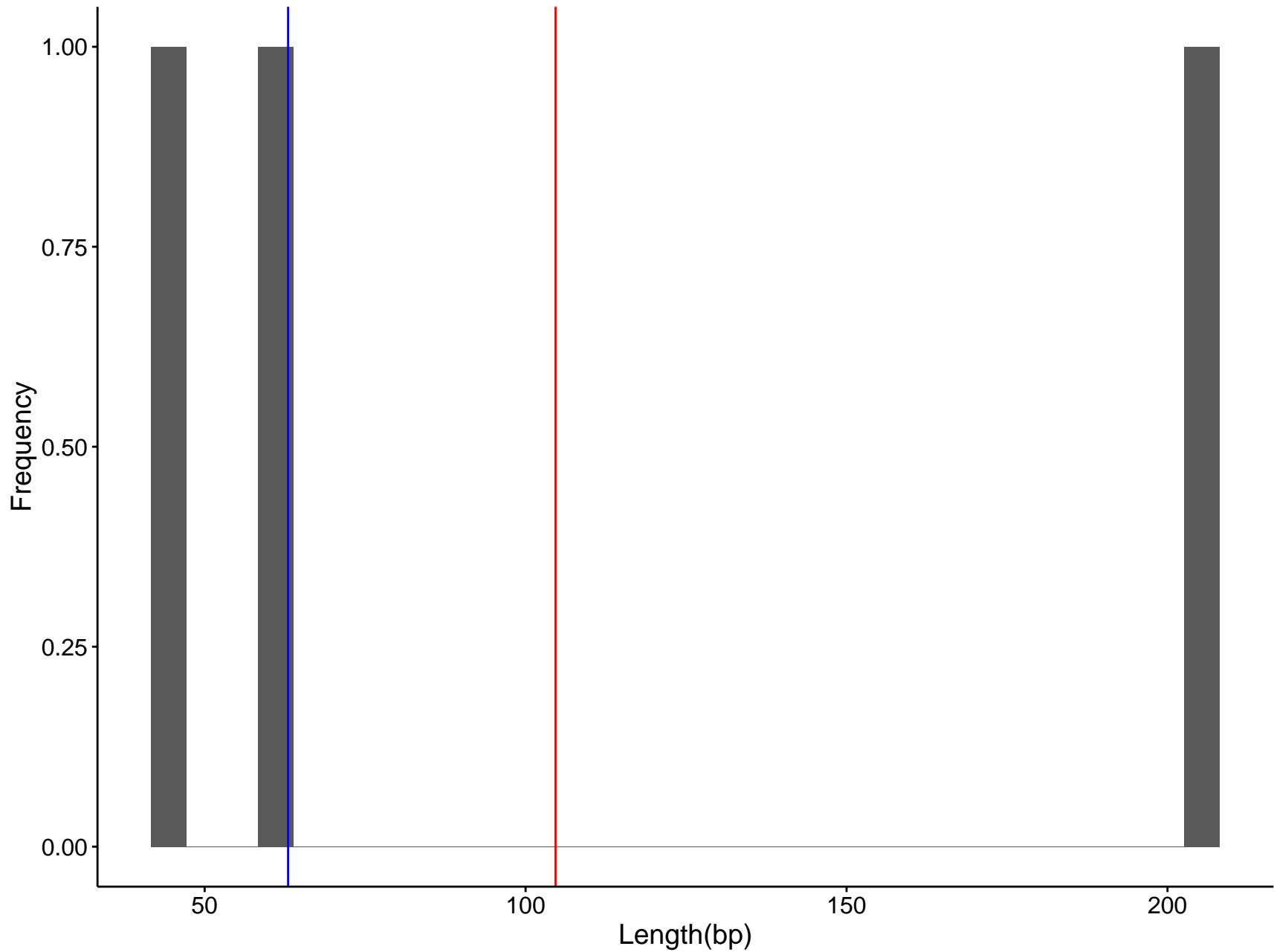
Cluster918



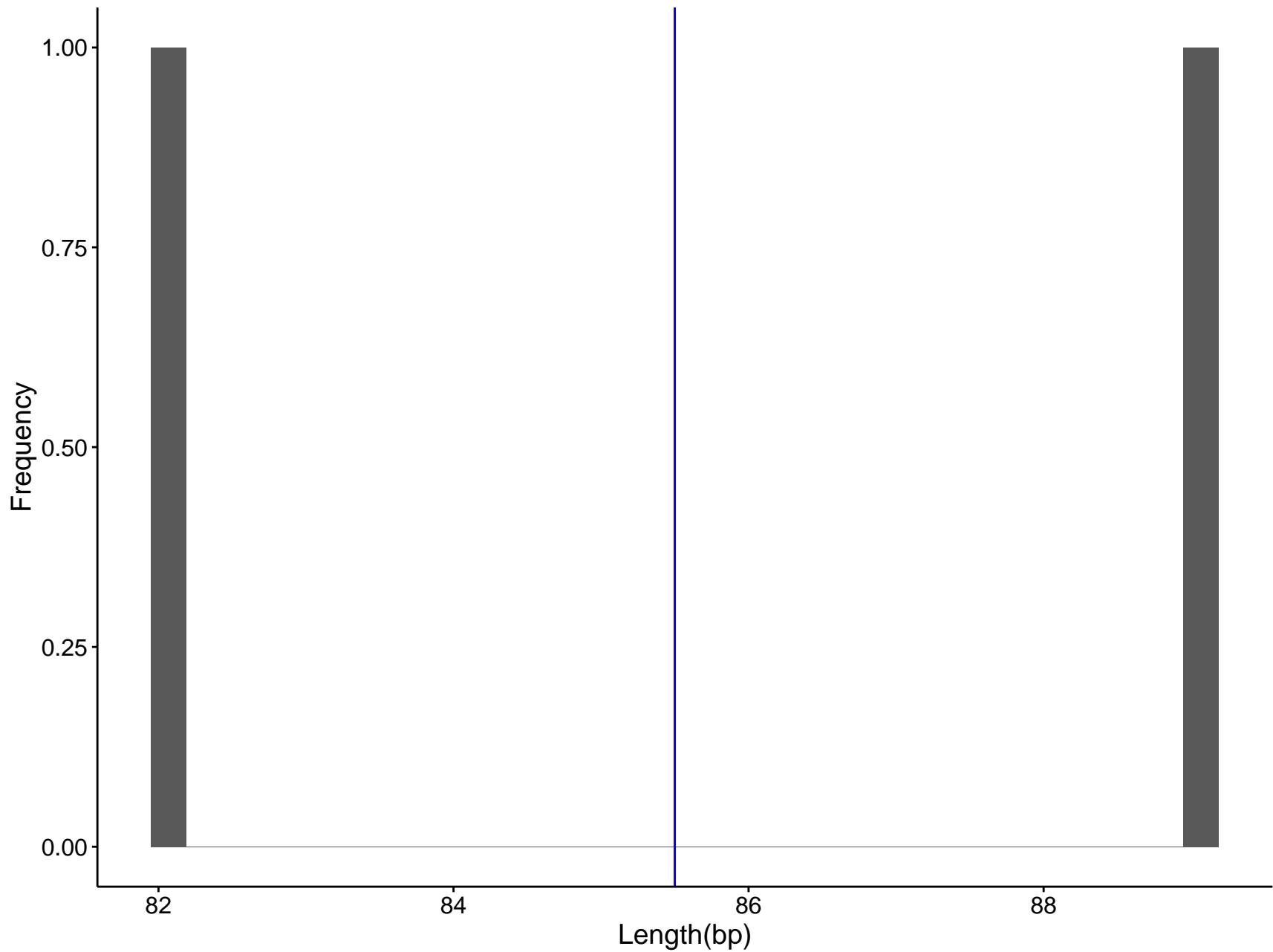
Cluster919



Cluster91



Cluster921



# Cluster922

Frequency

443.950

443.975

444.000

444.025

Length(bp)



# Cluster923

Frequency

64.950

64.975

65.000

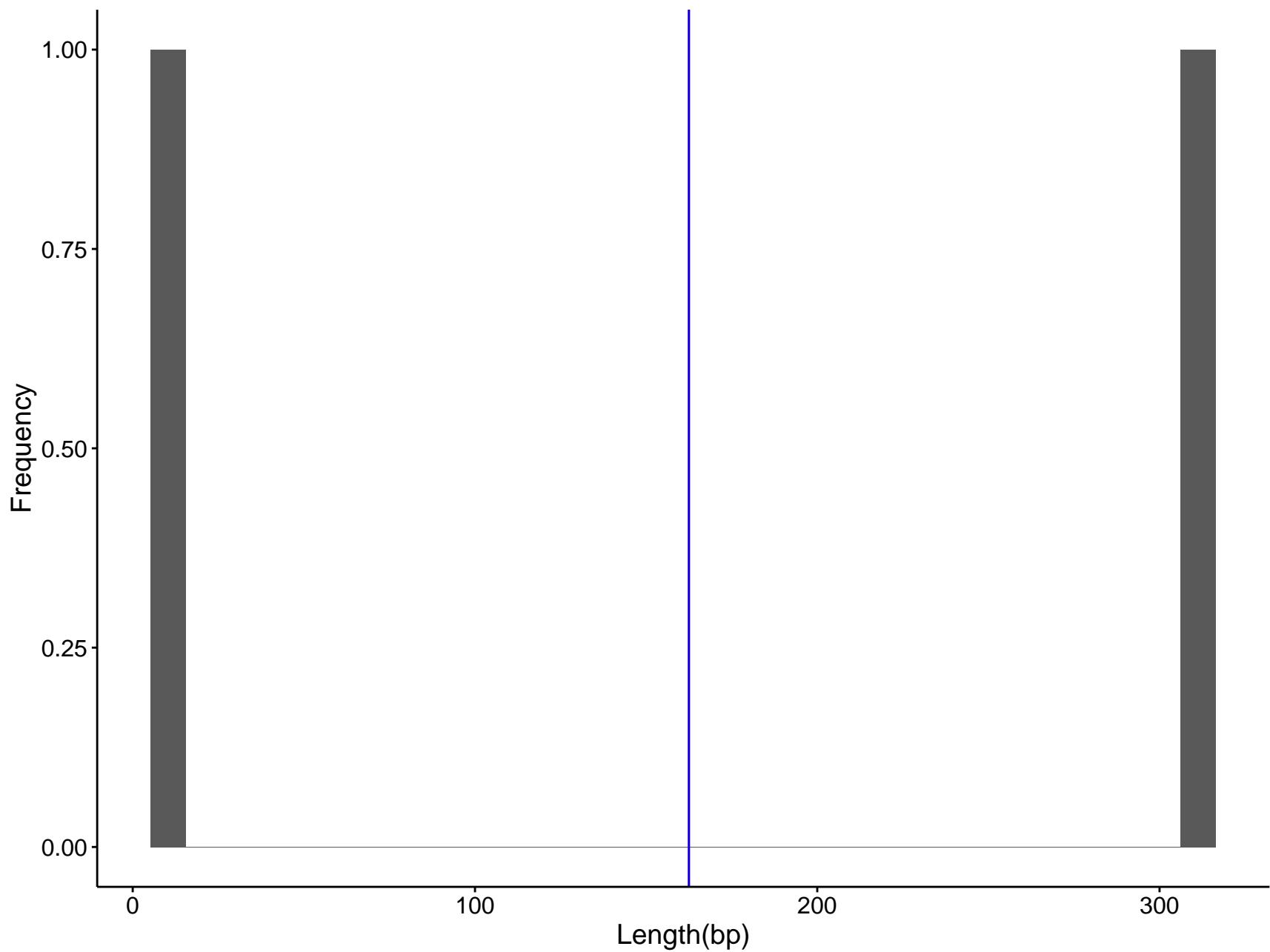
65.025

65.0

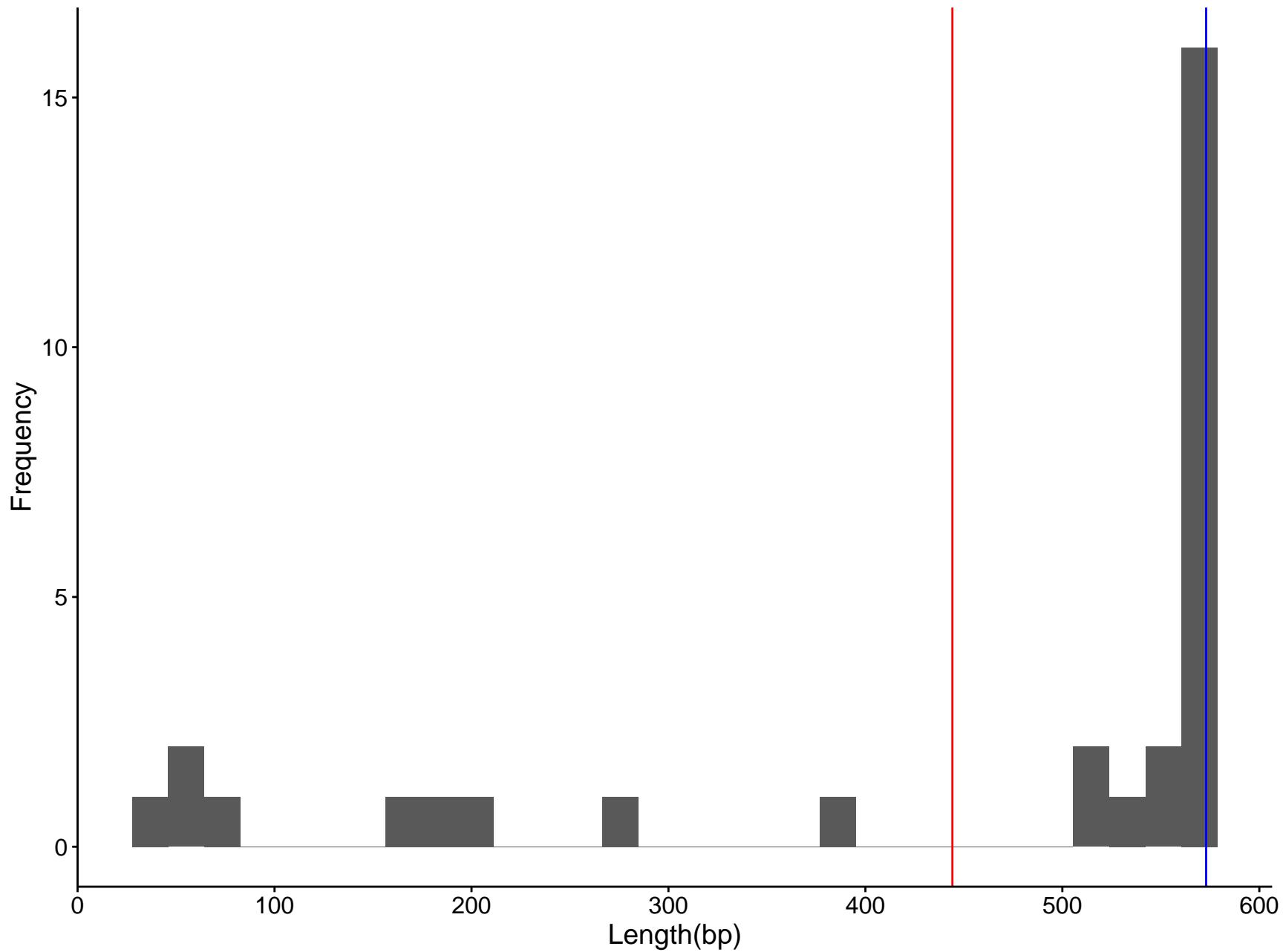
Length(bp)



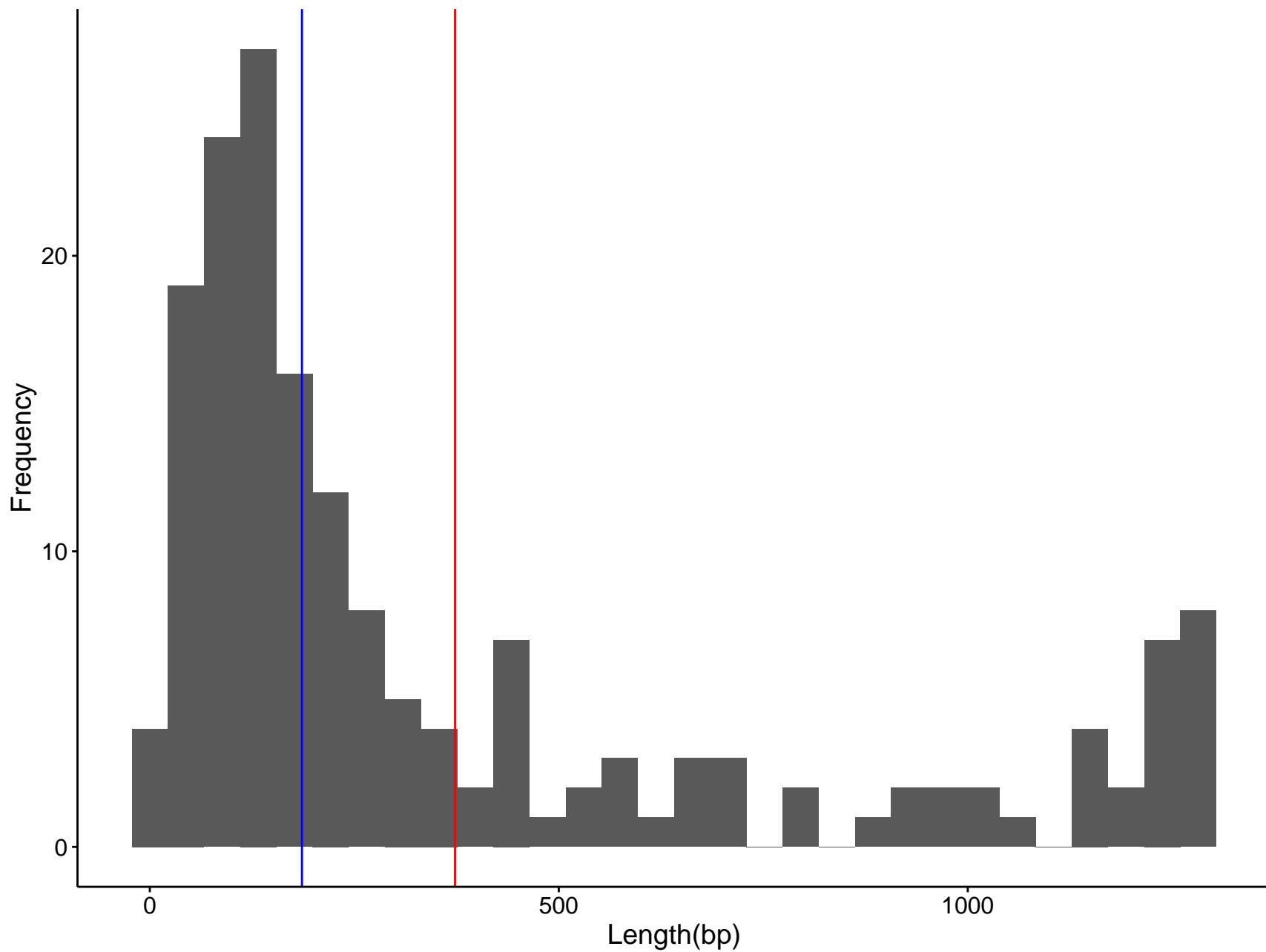
Cluster924



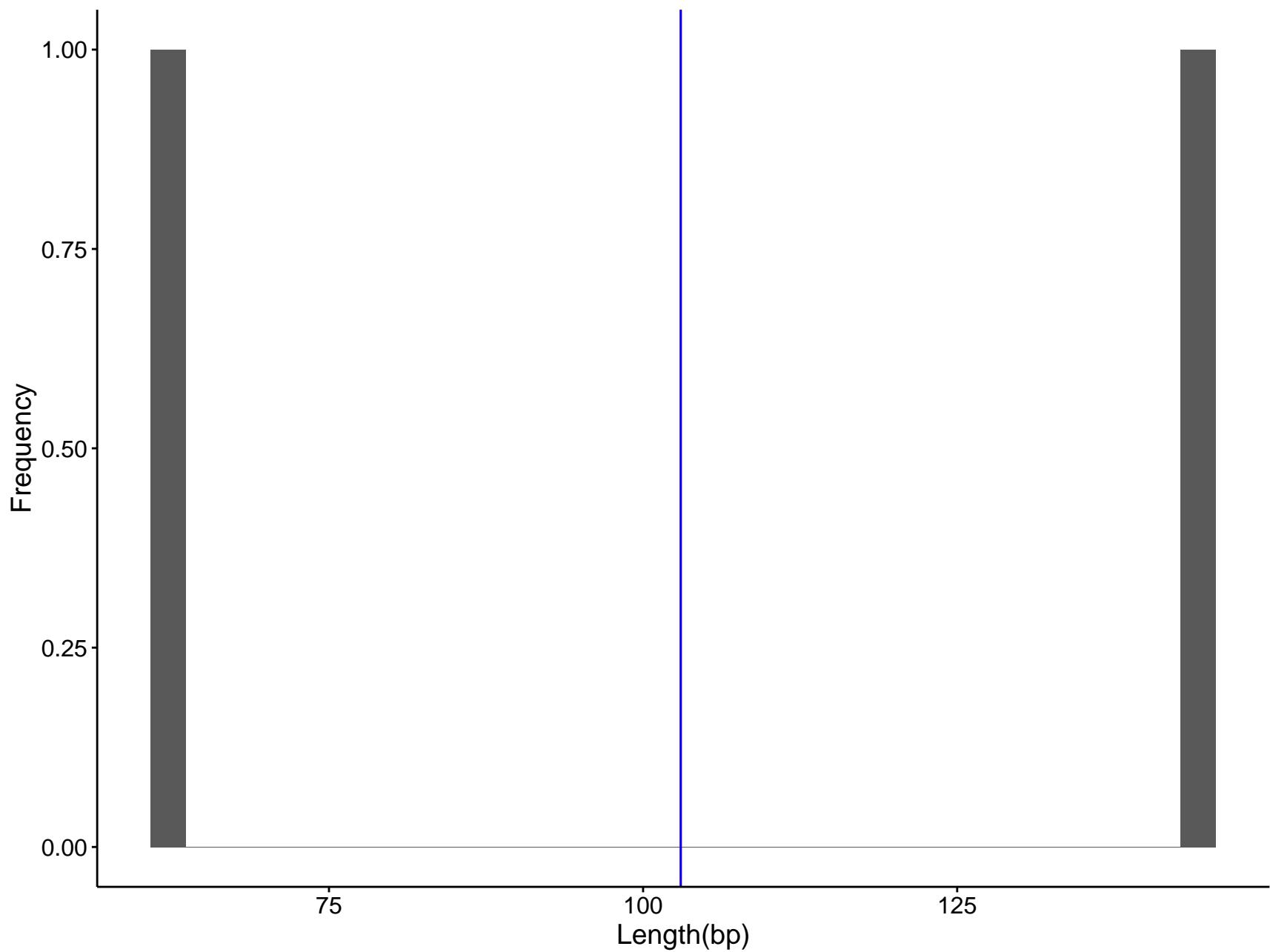
Cluster925



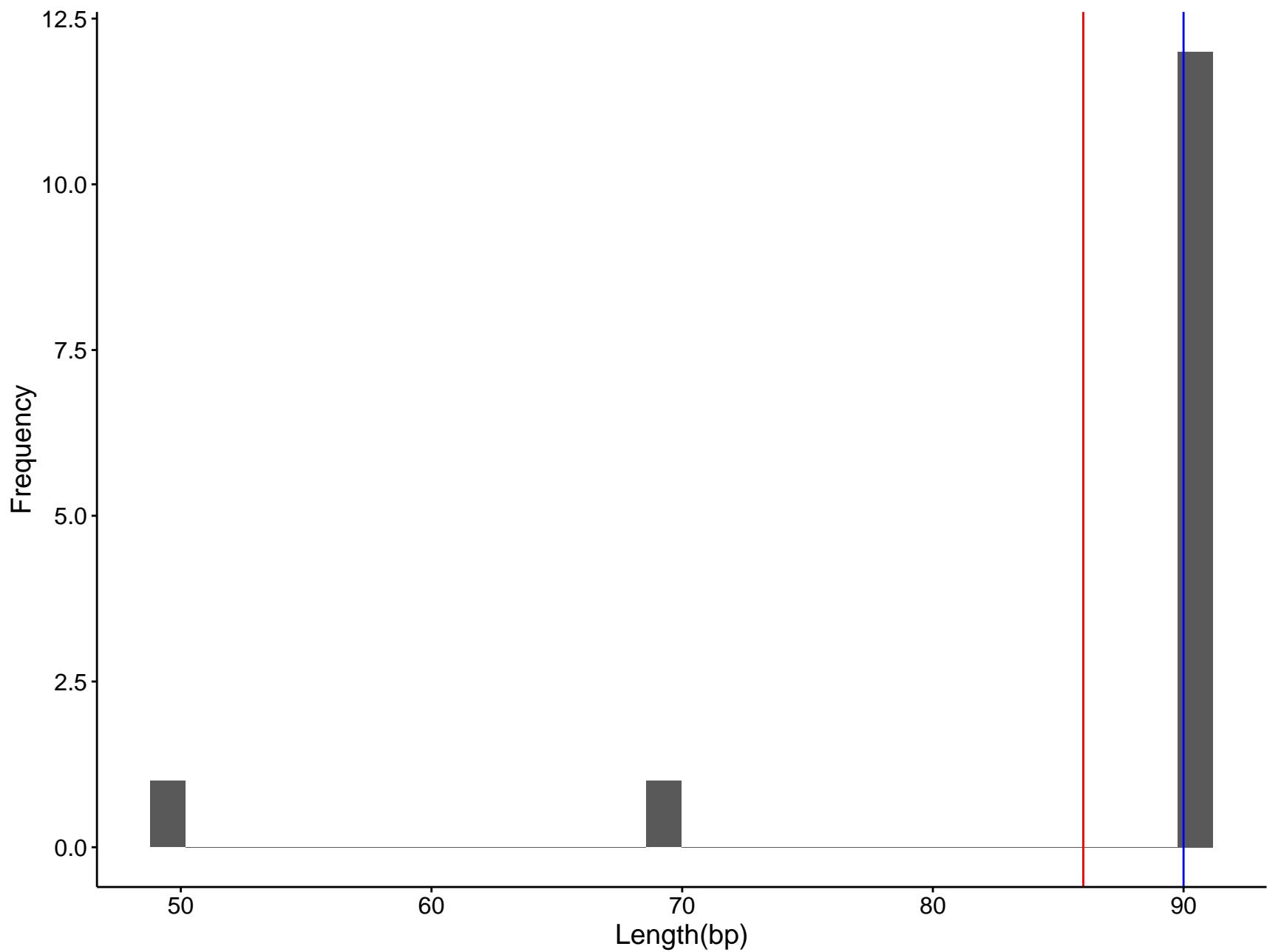
Cluster929



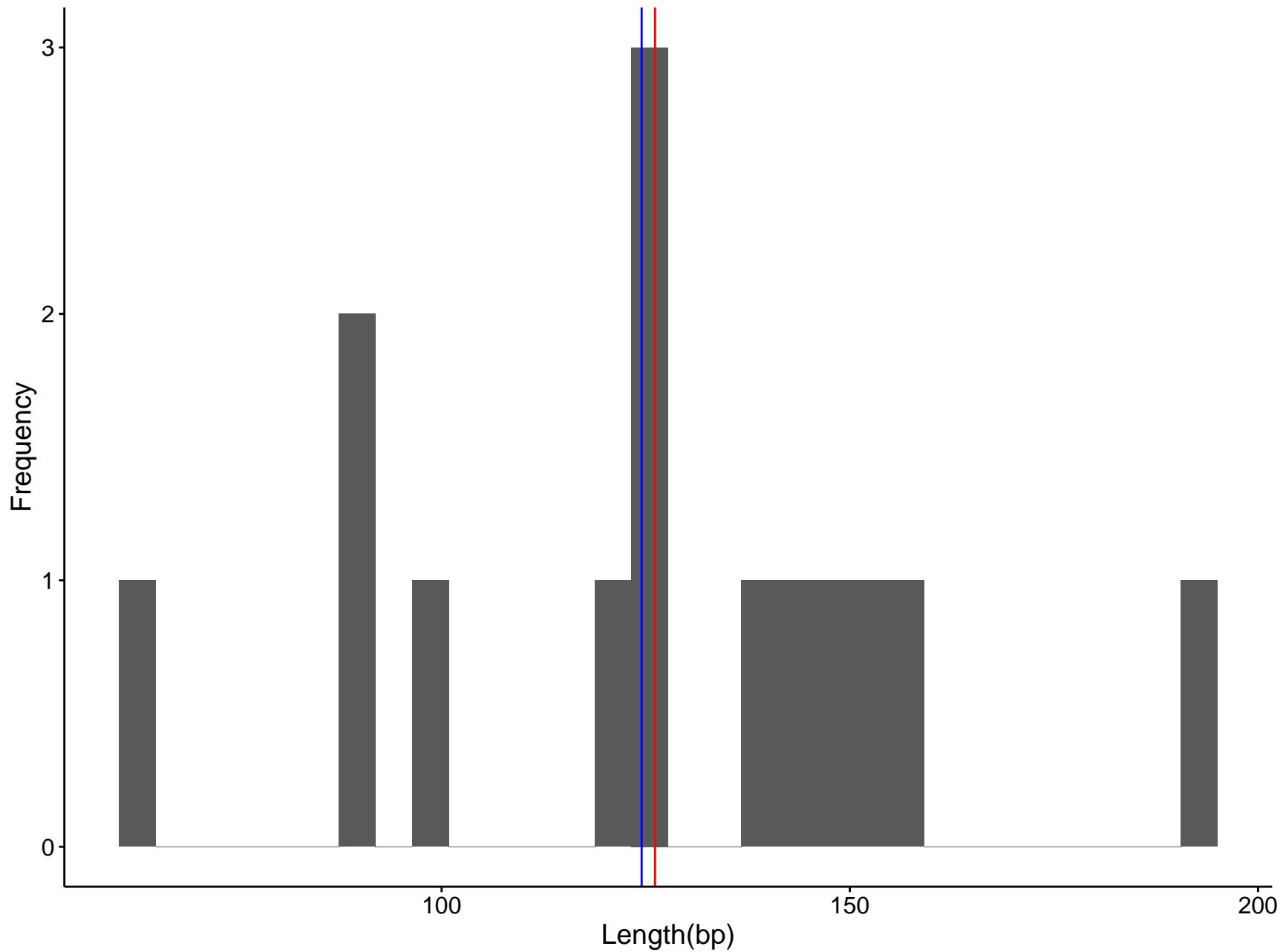
Cluster932



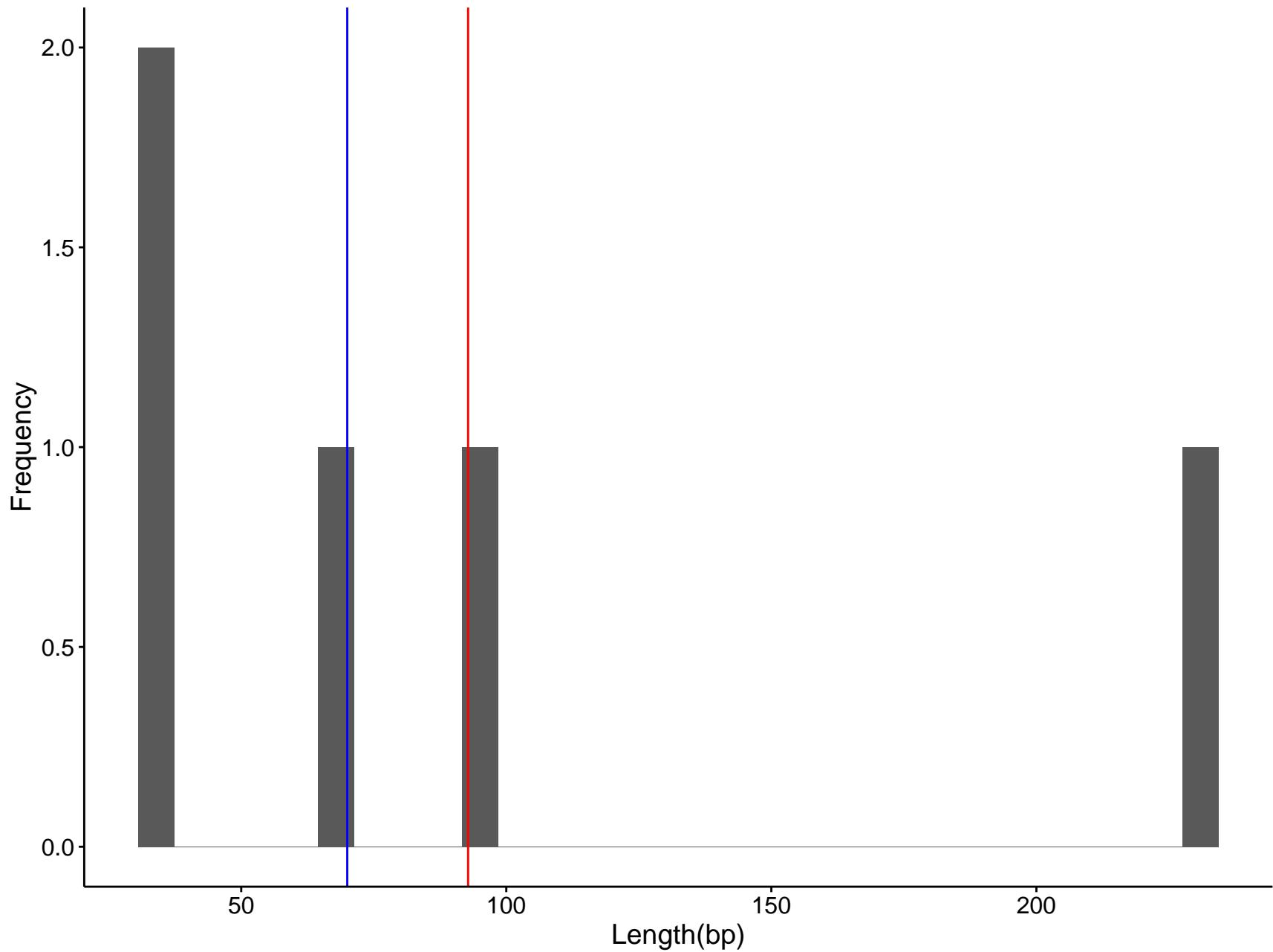
Cluster933



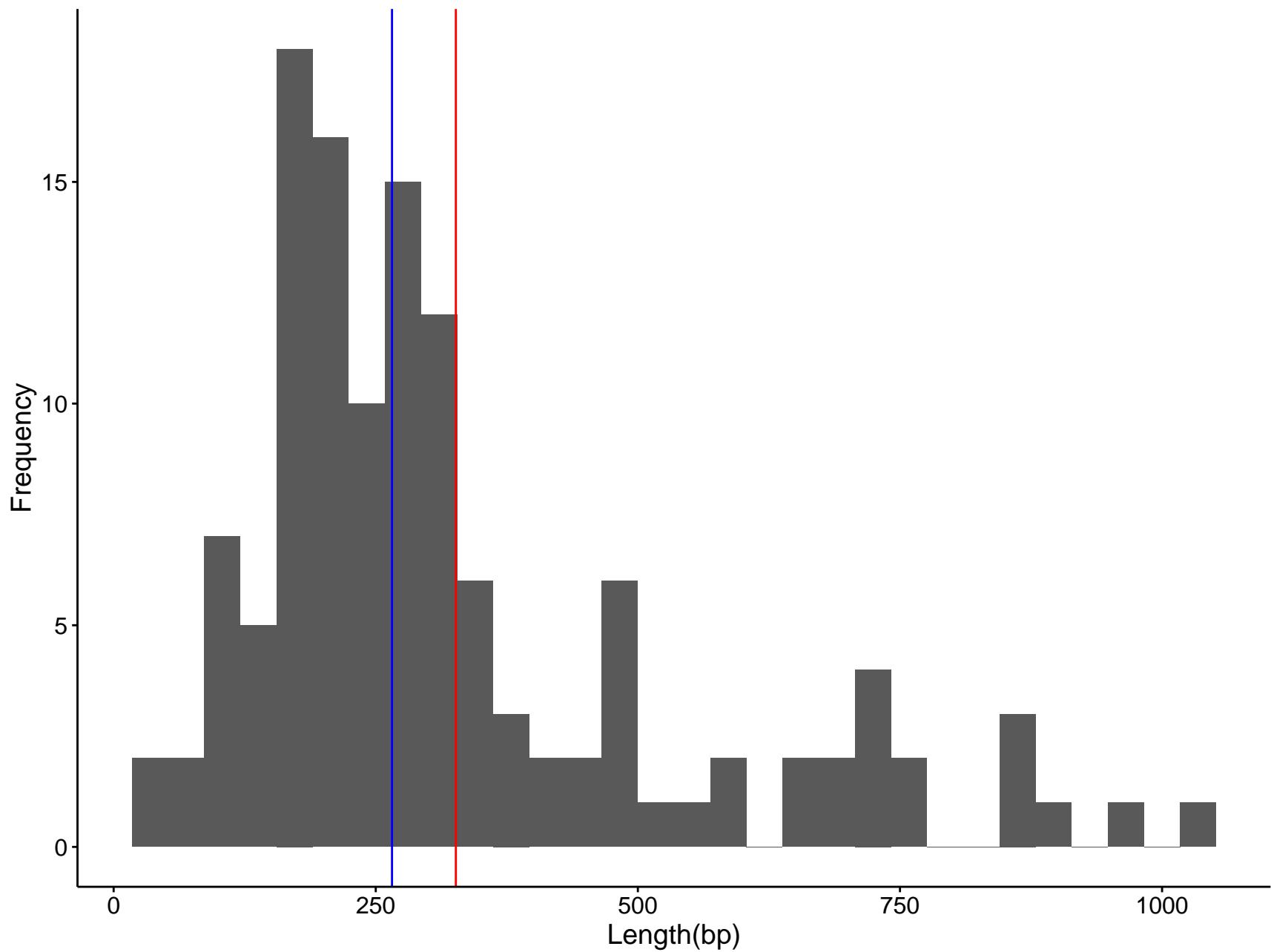
# Cluster934



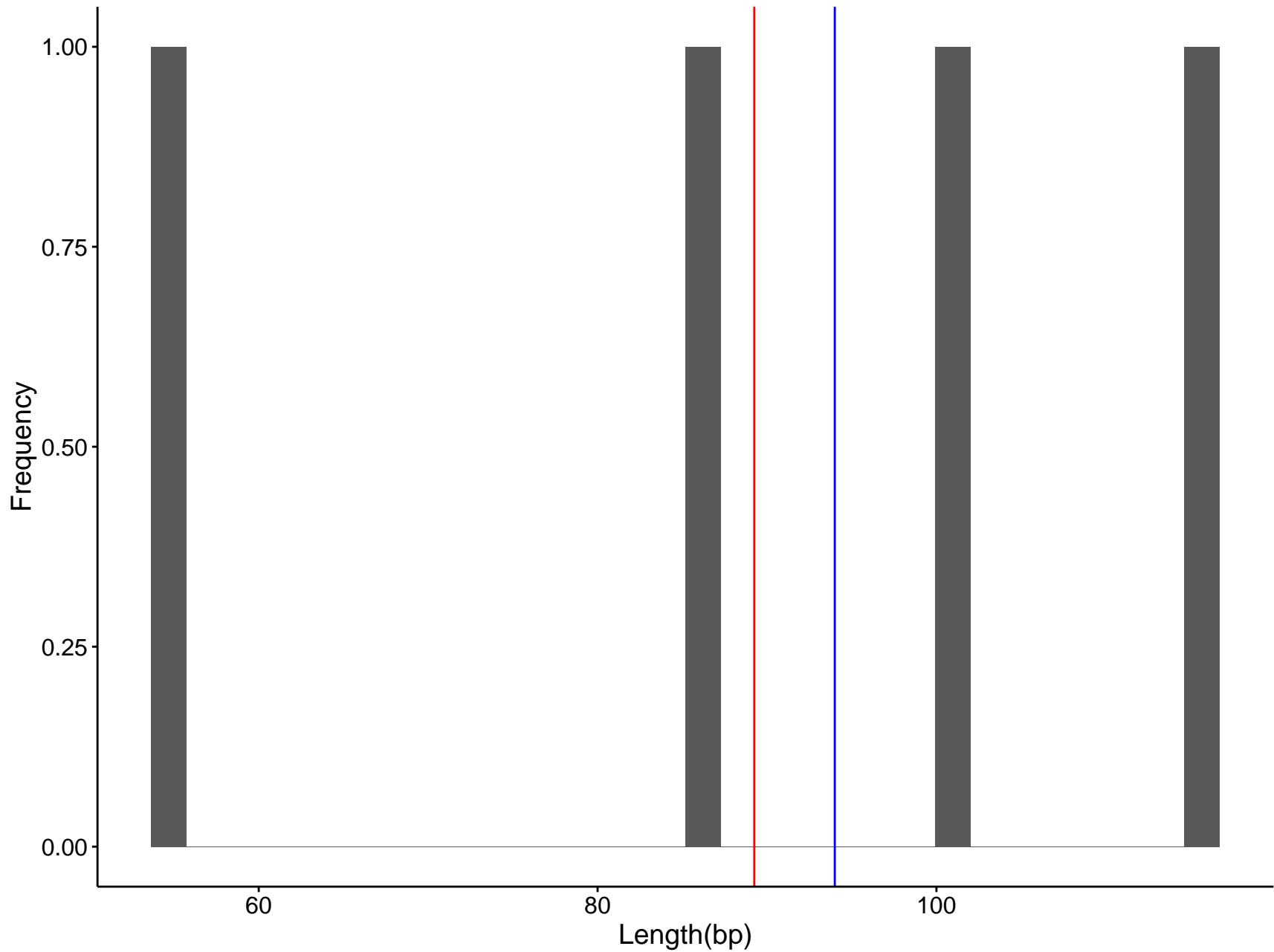
Cluster937



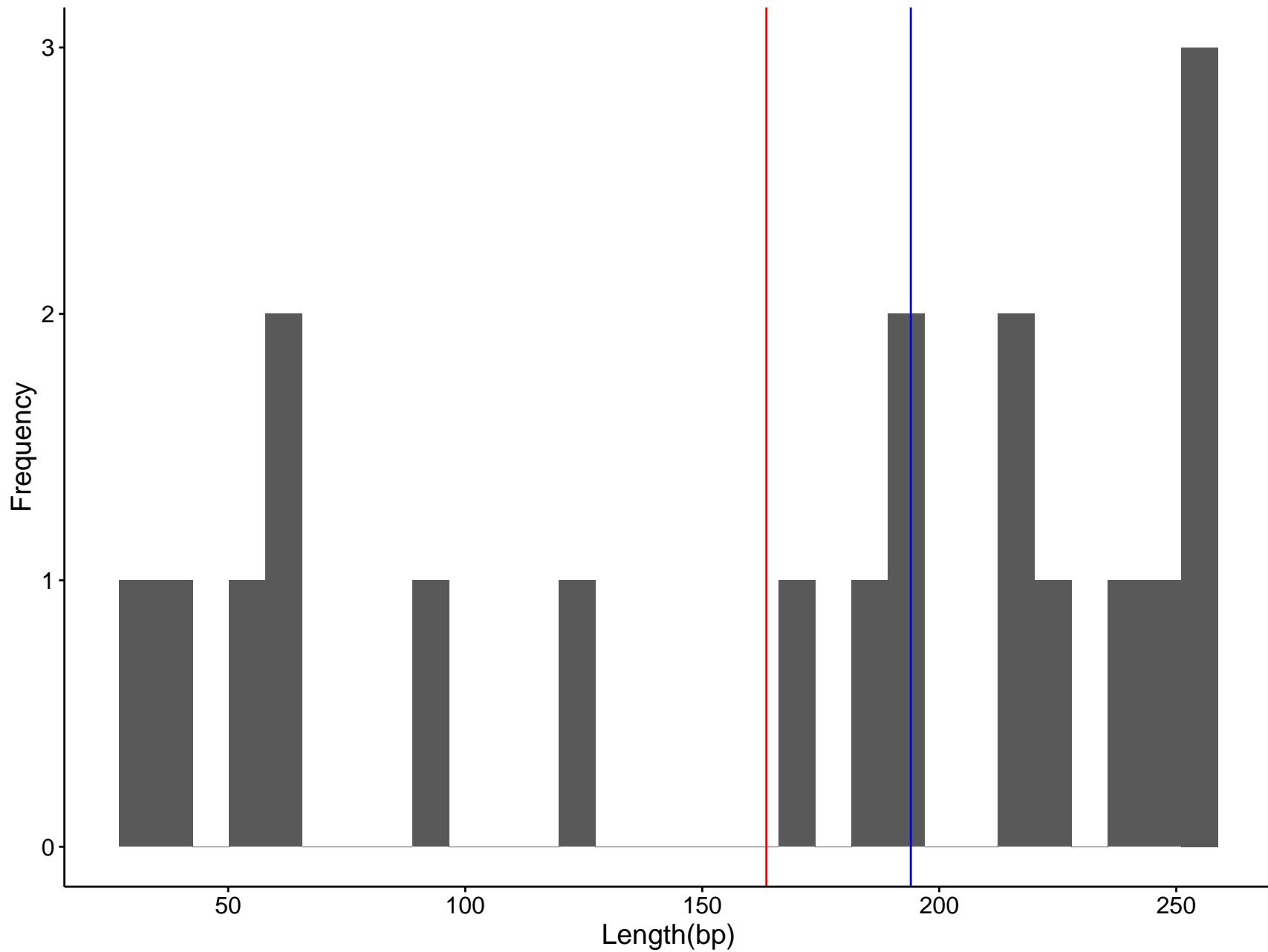
Cluster938



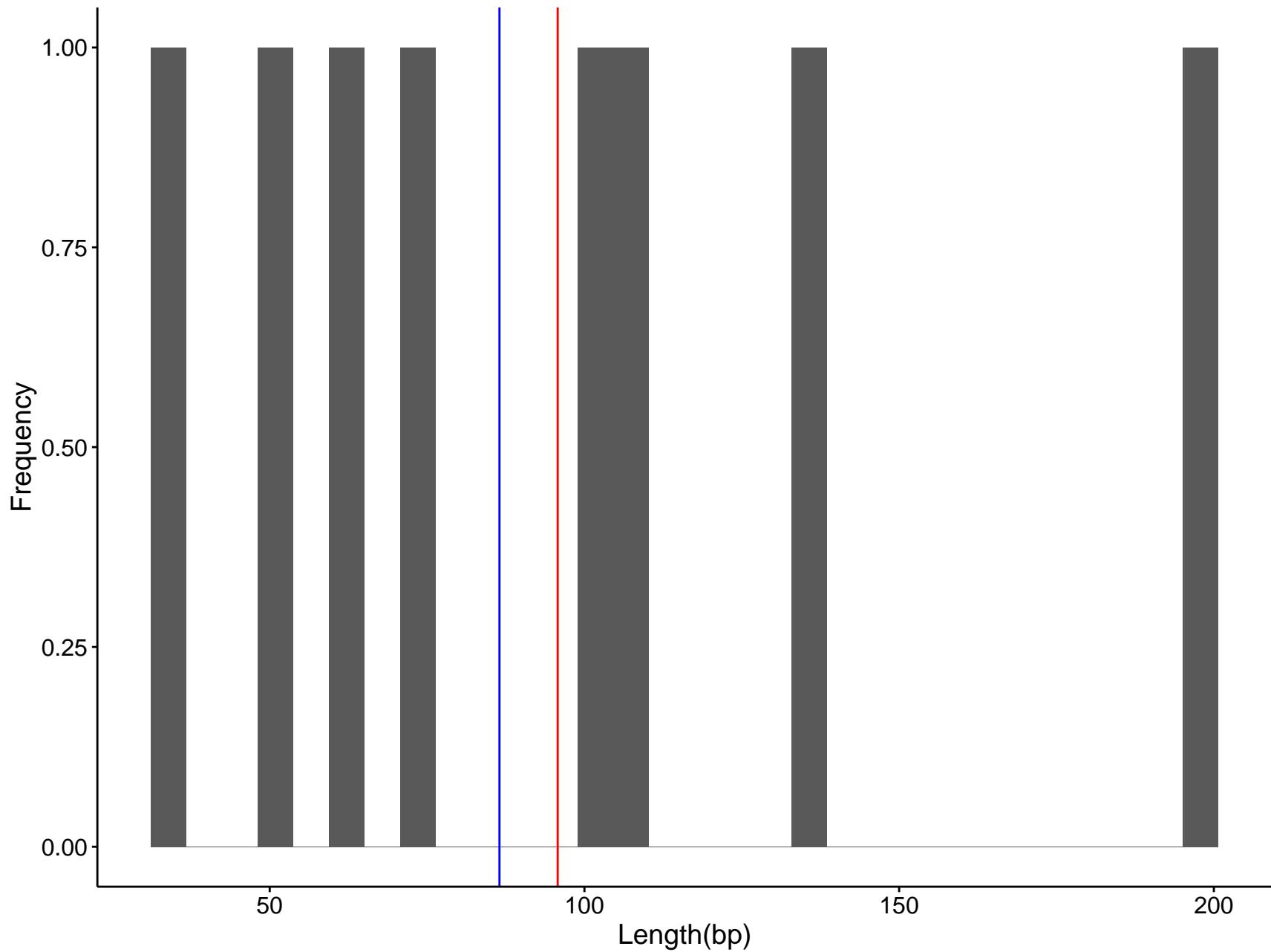
Cluster93



Cluster941



Cluster944



# Cluster945

Frequency

62.950

62.975

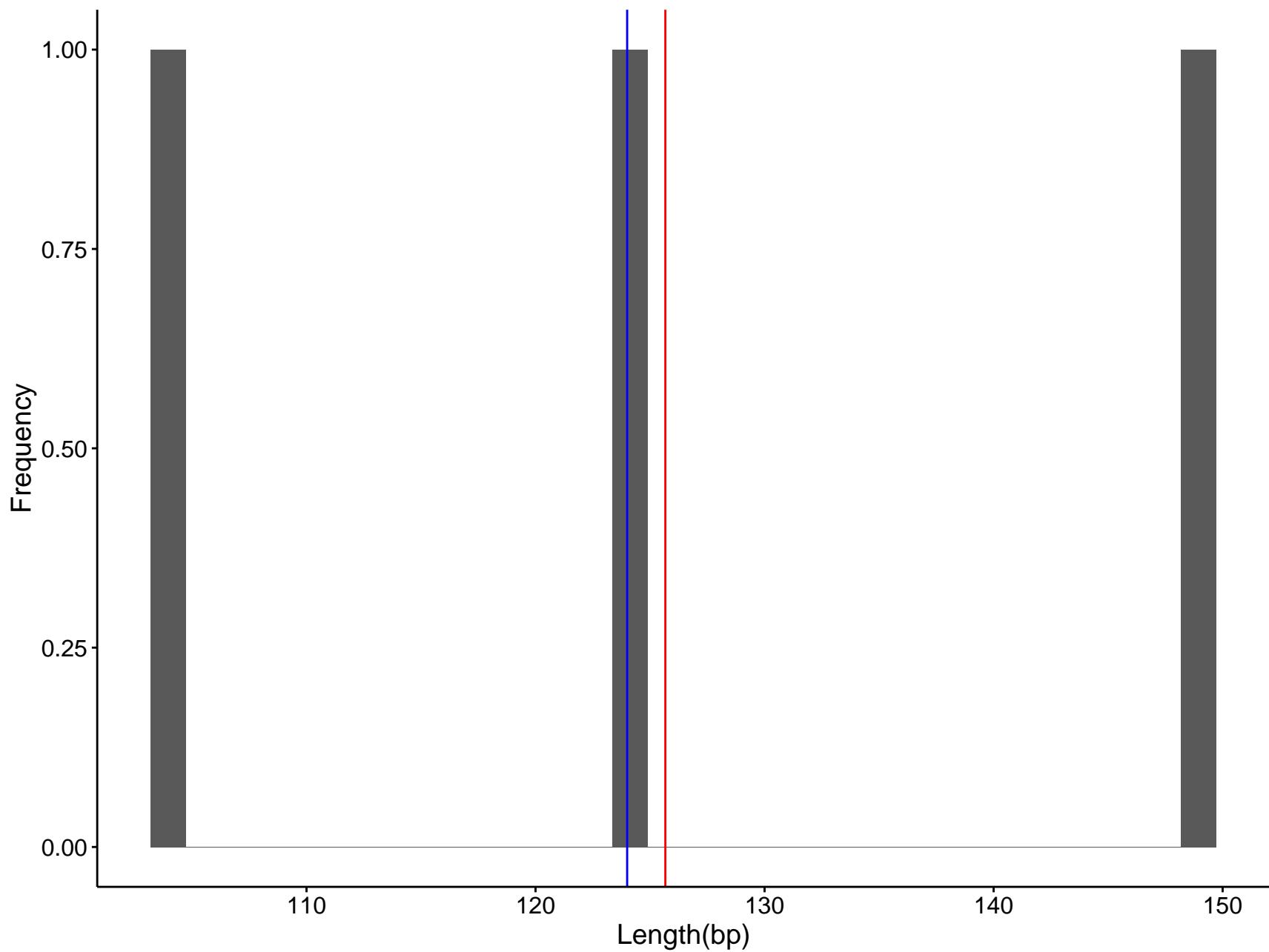
63.000

63.025

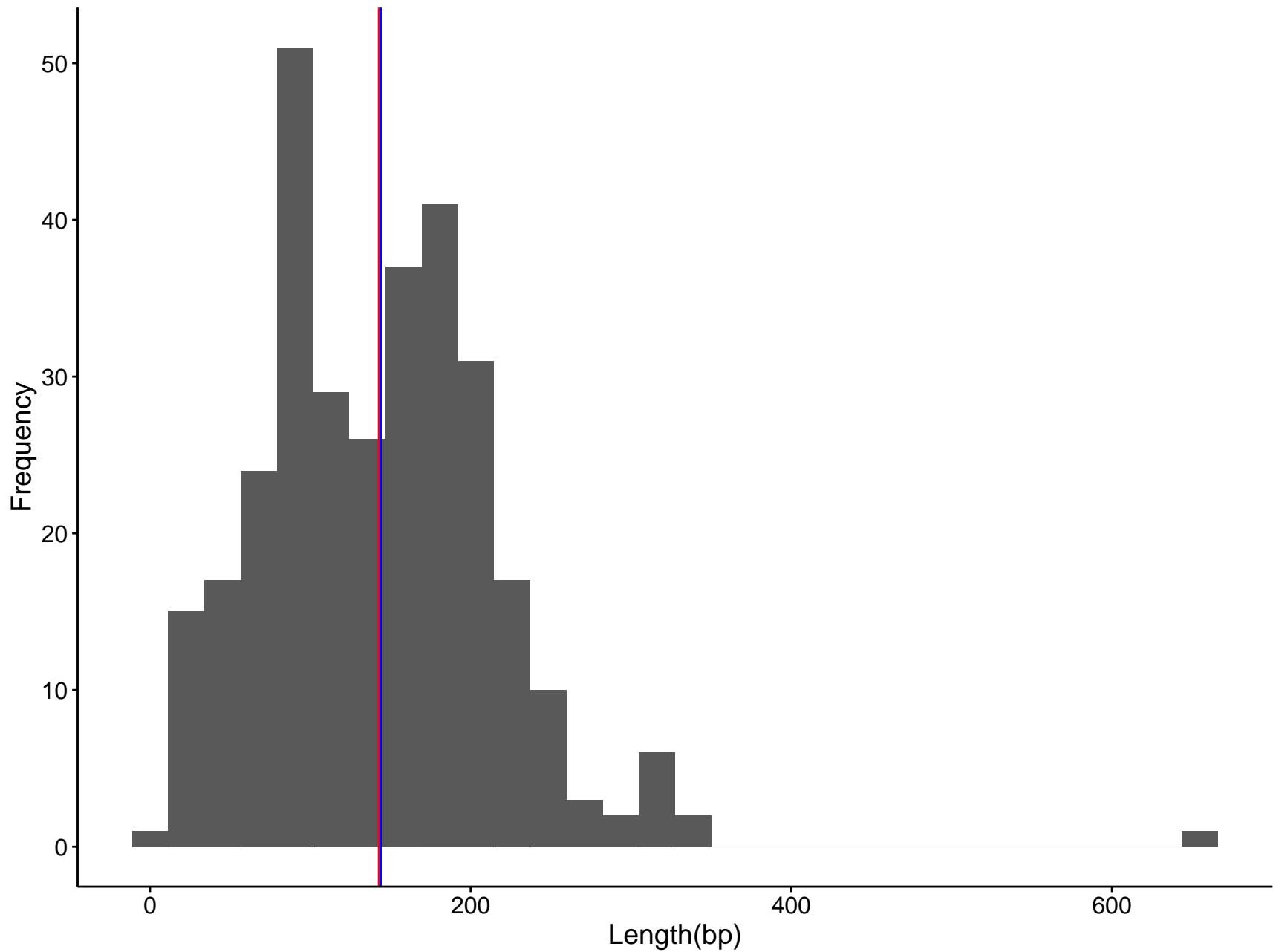
Length(bp)



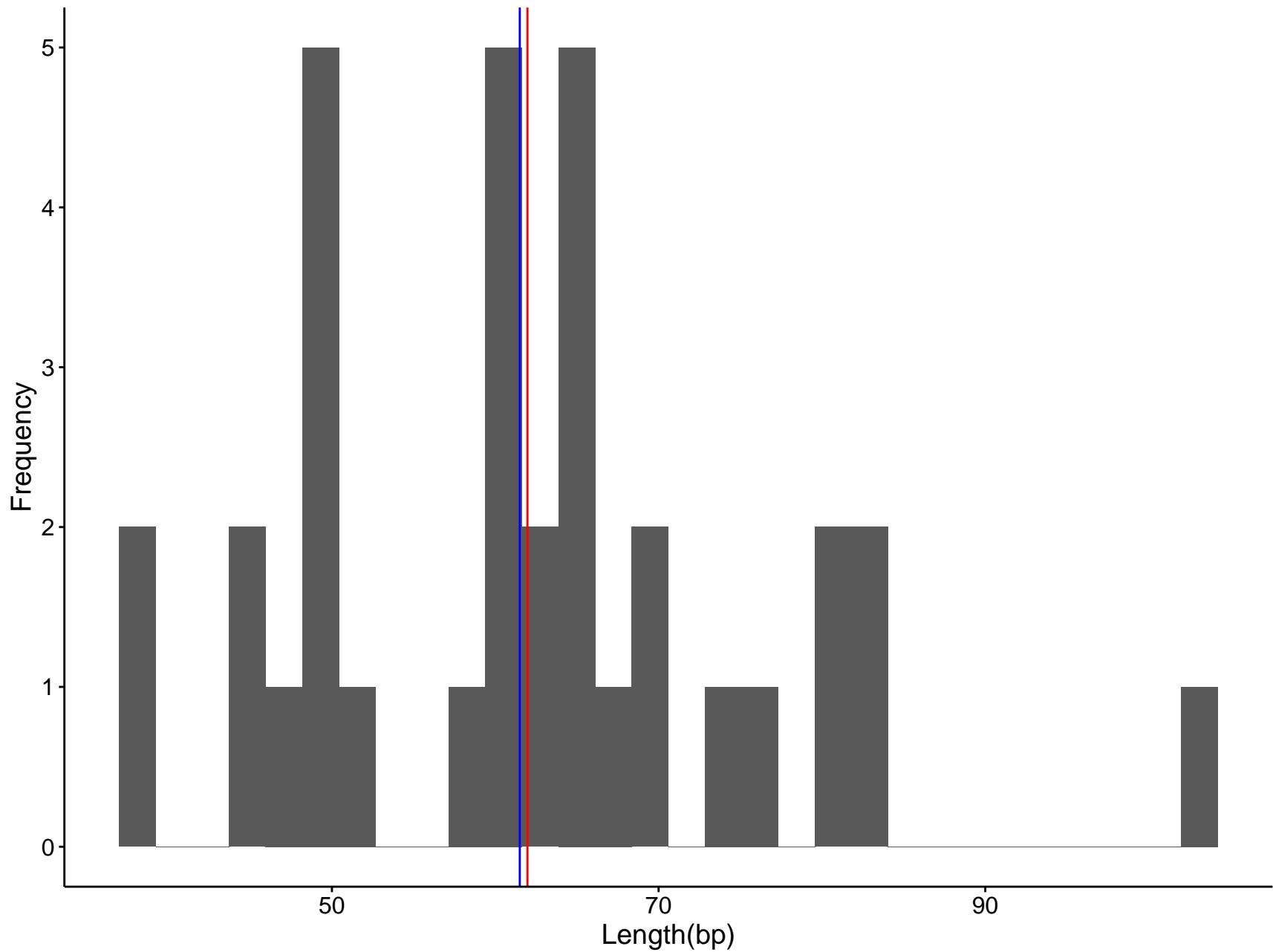
Cluster947



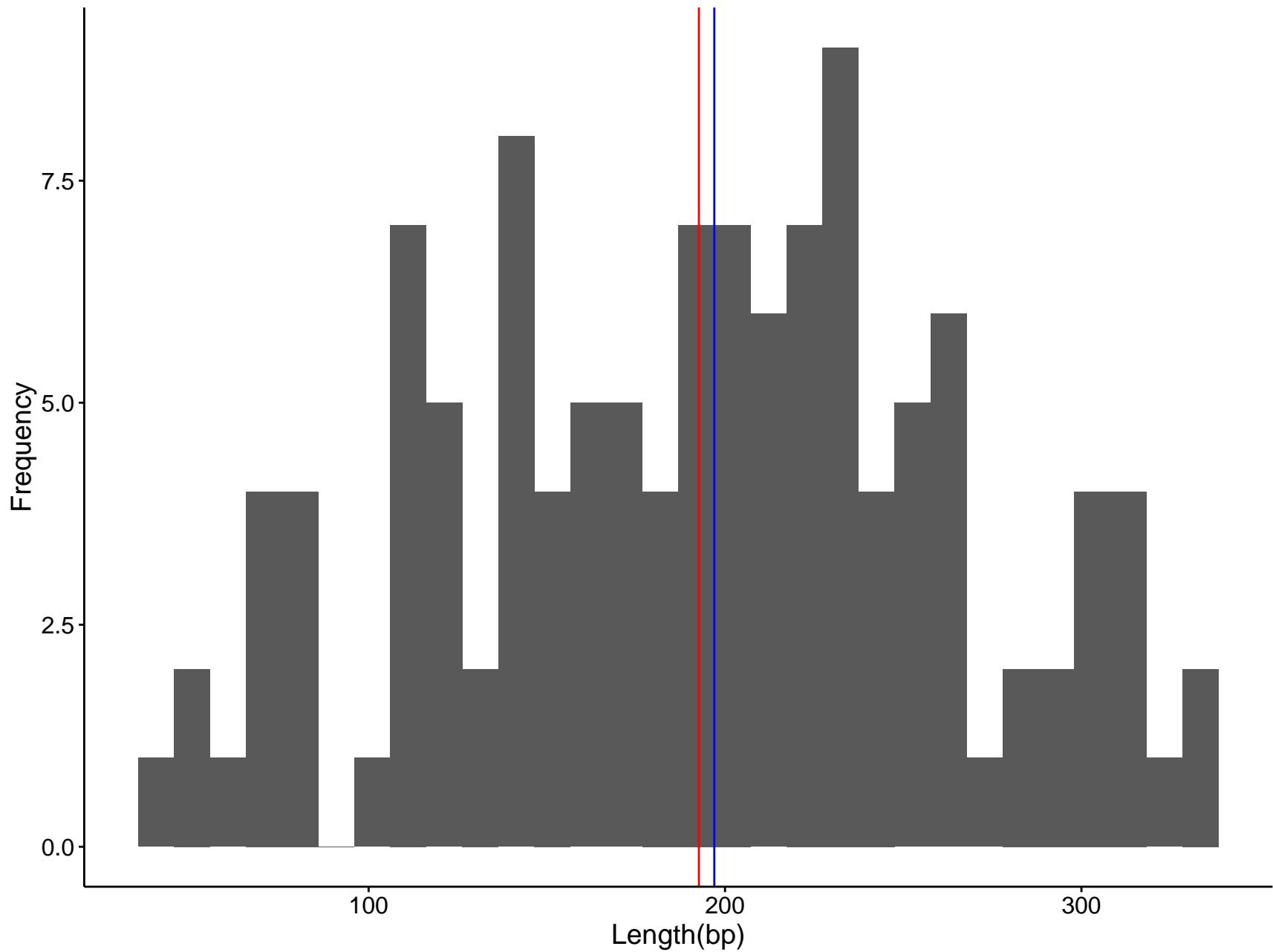
Cluster961



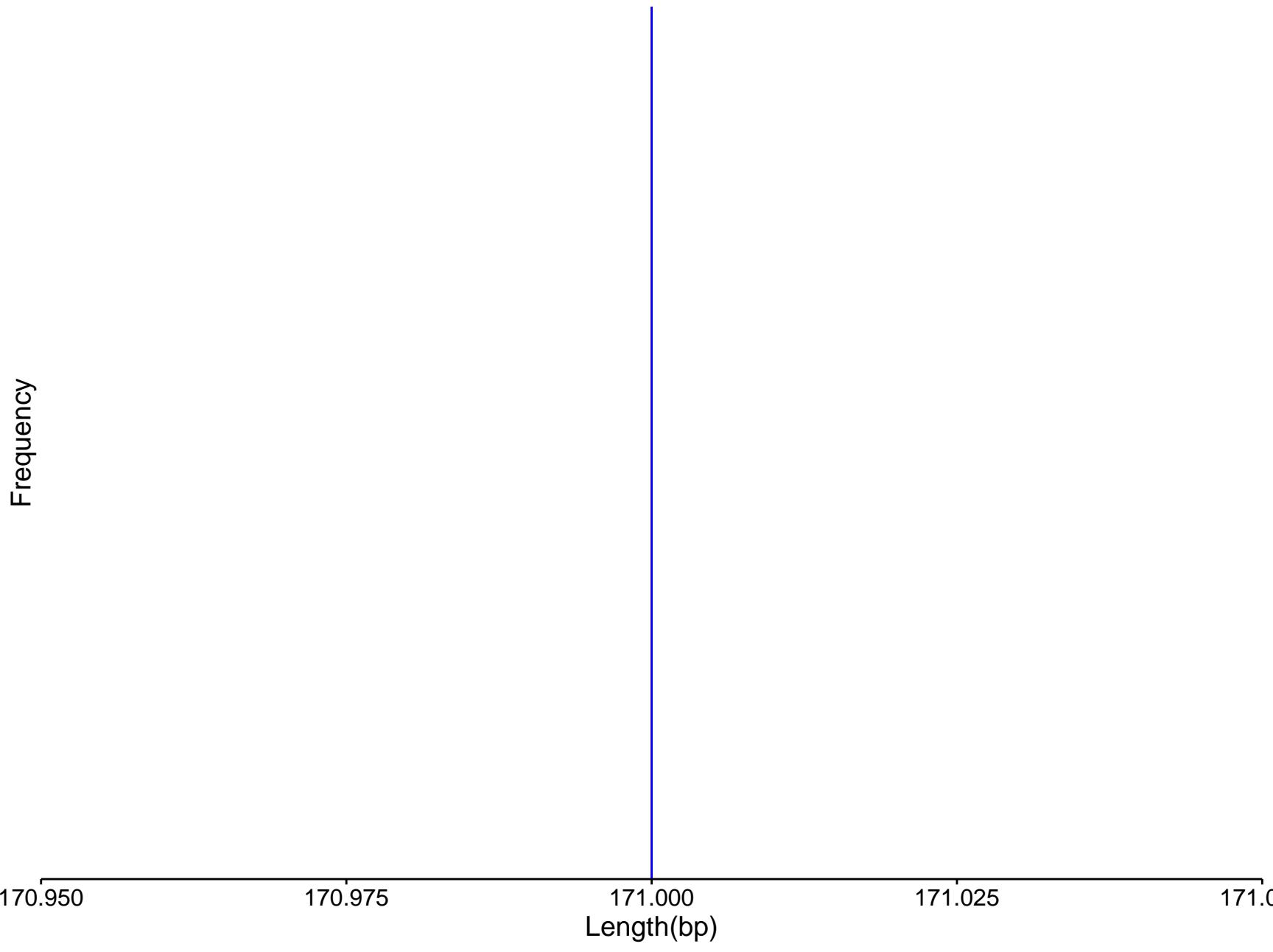
Cluster962



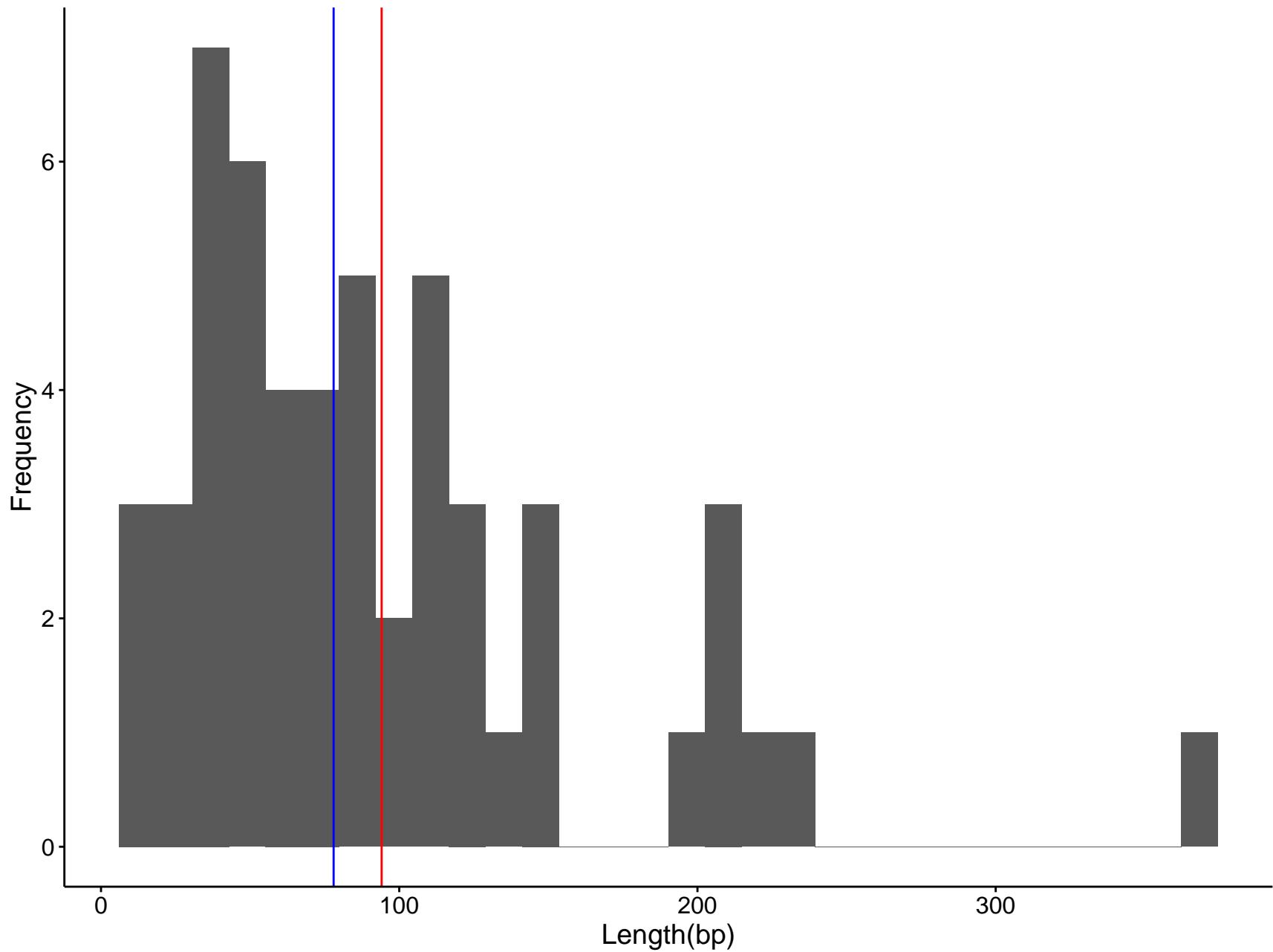
Cluster967



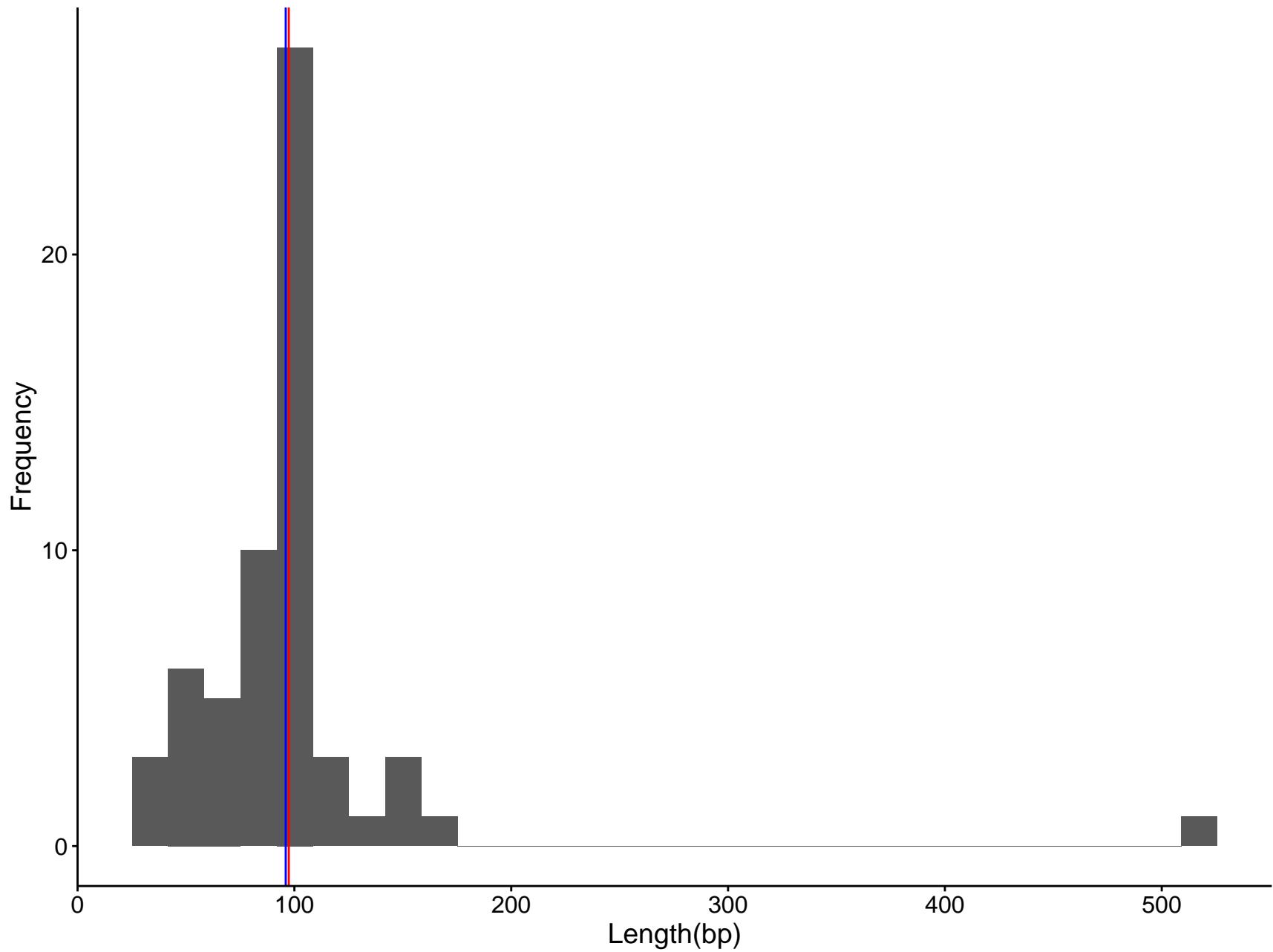
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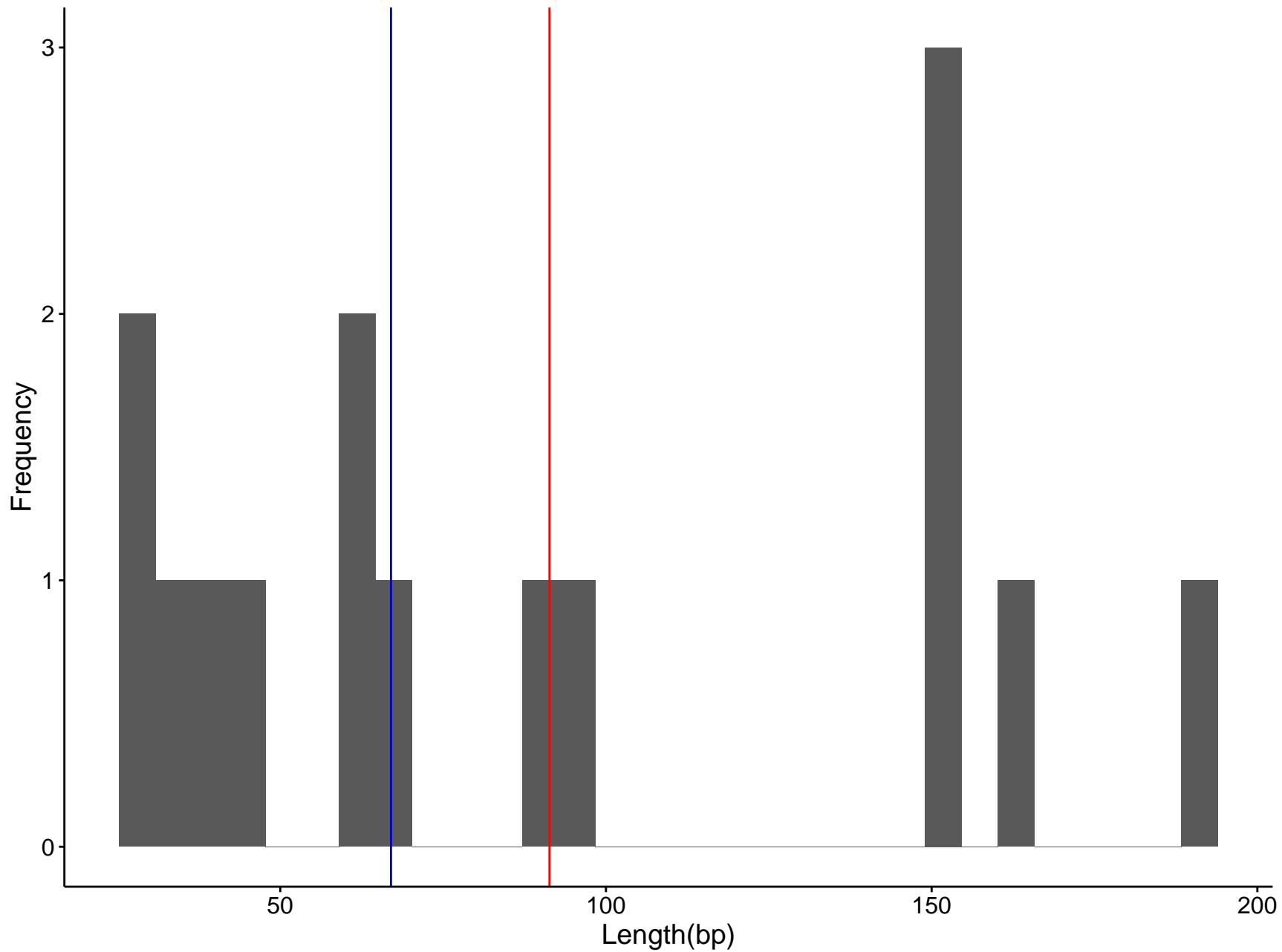
Cluster969



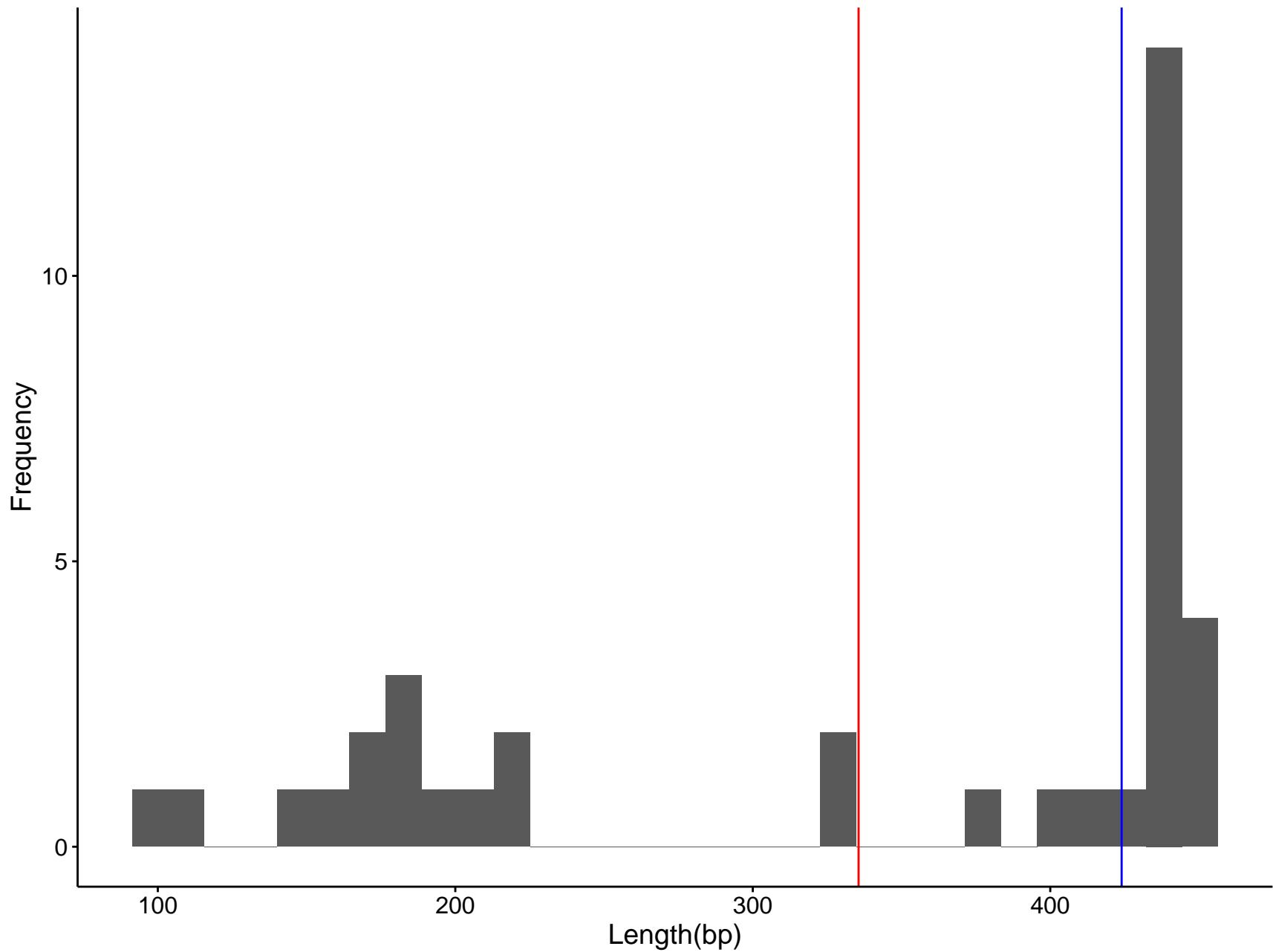
Cluster970



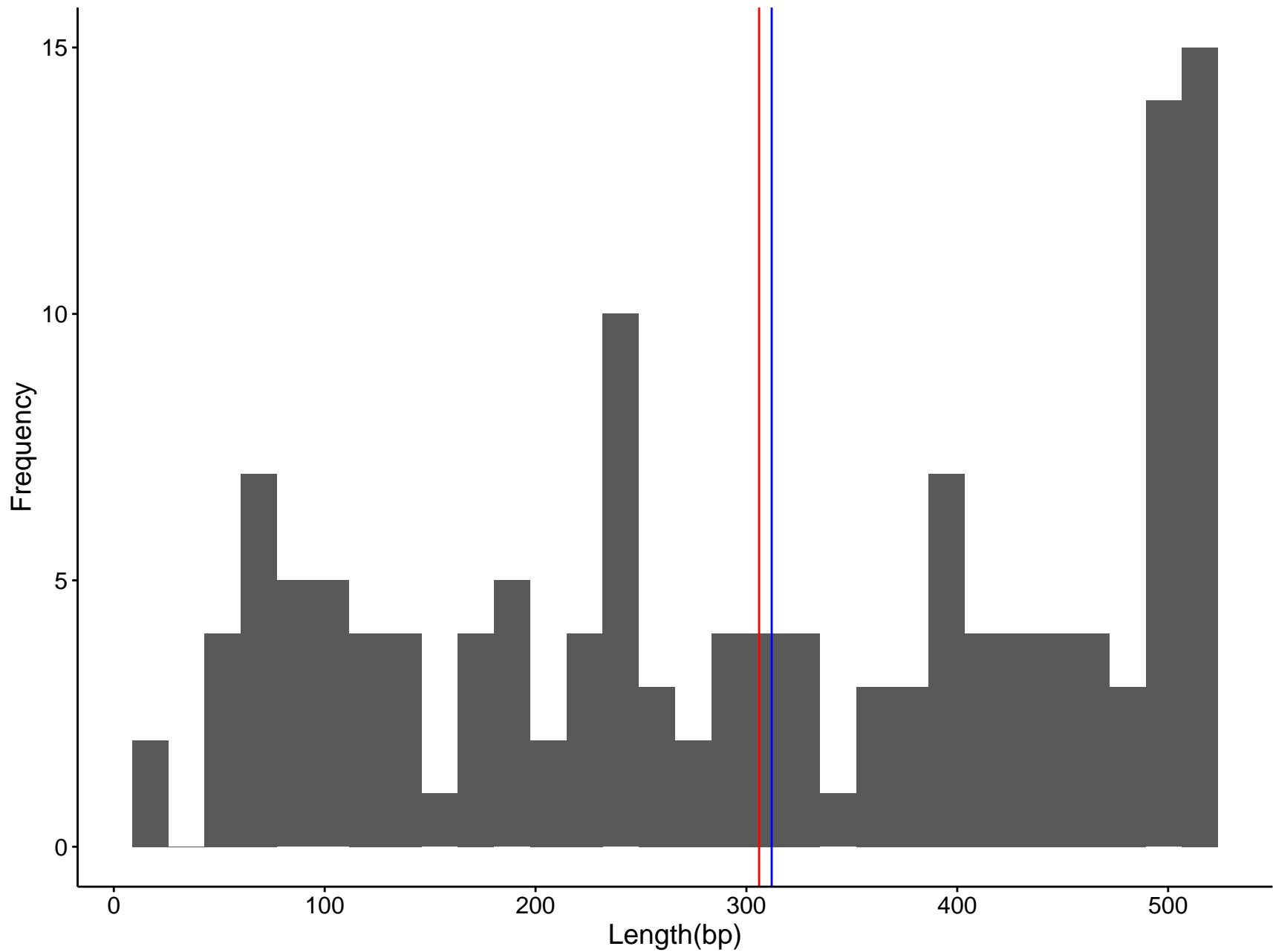
Cluster972



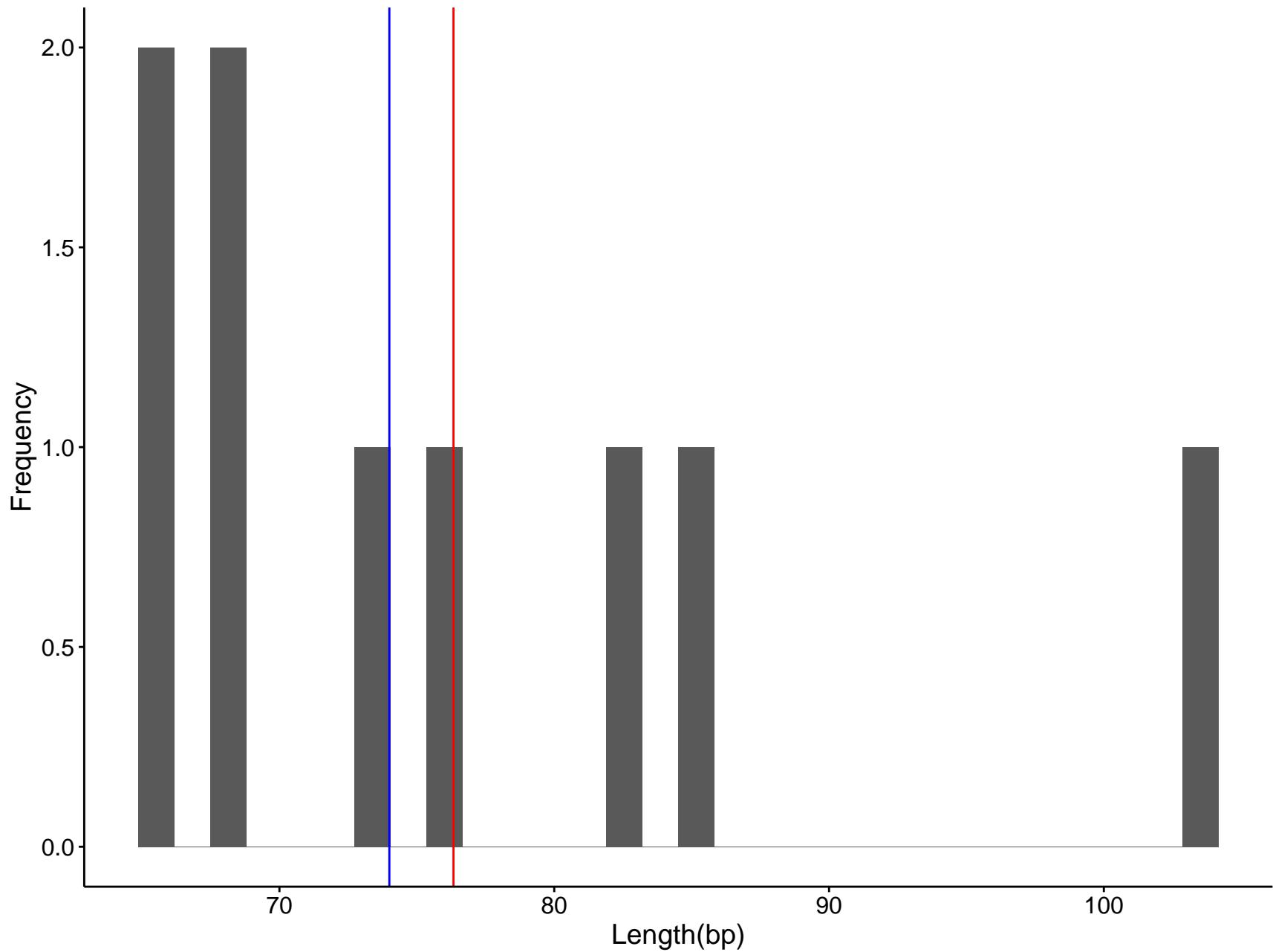
Cluster974



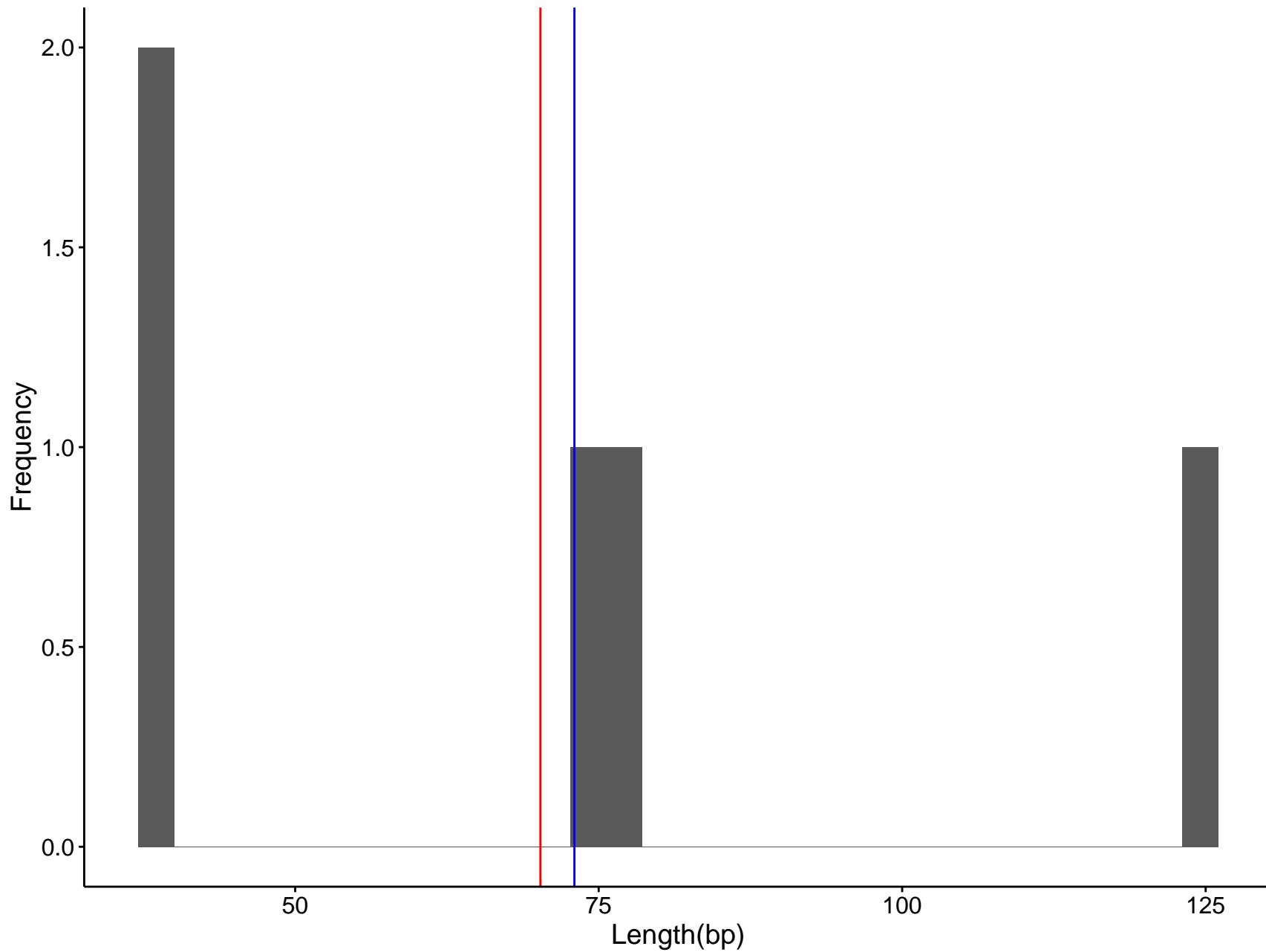
Cluster975



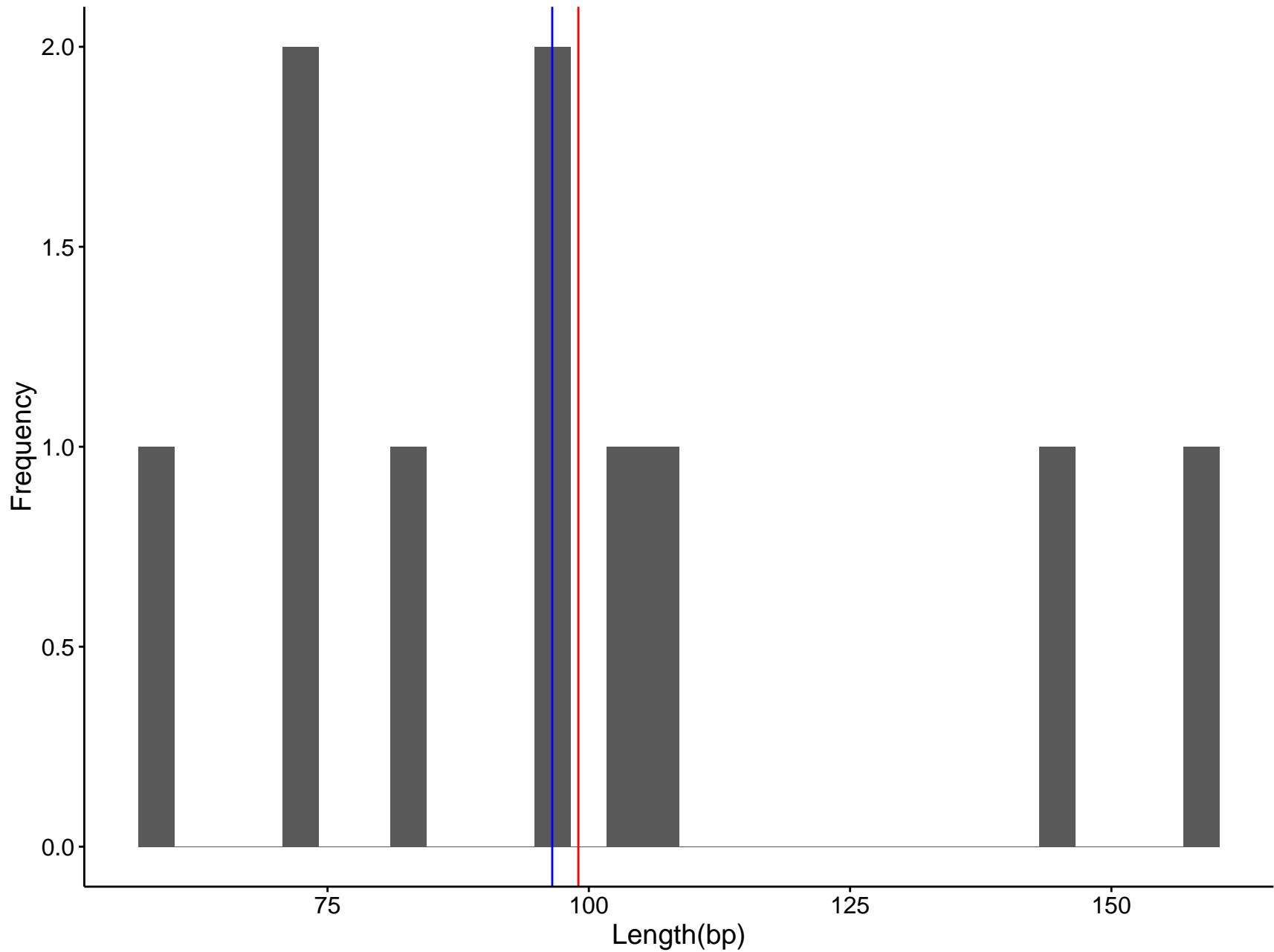
Cluster976



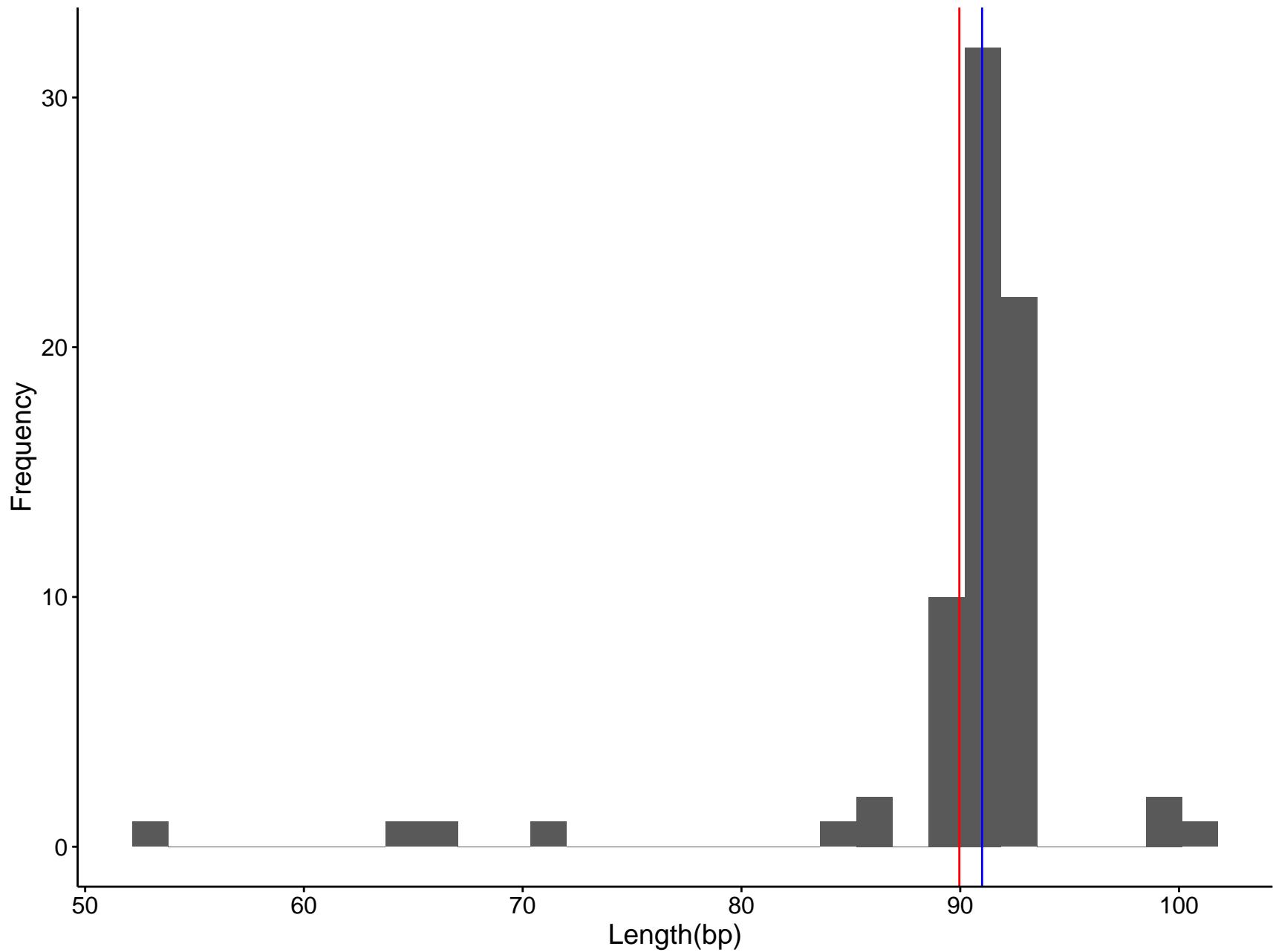
Cluster977



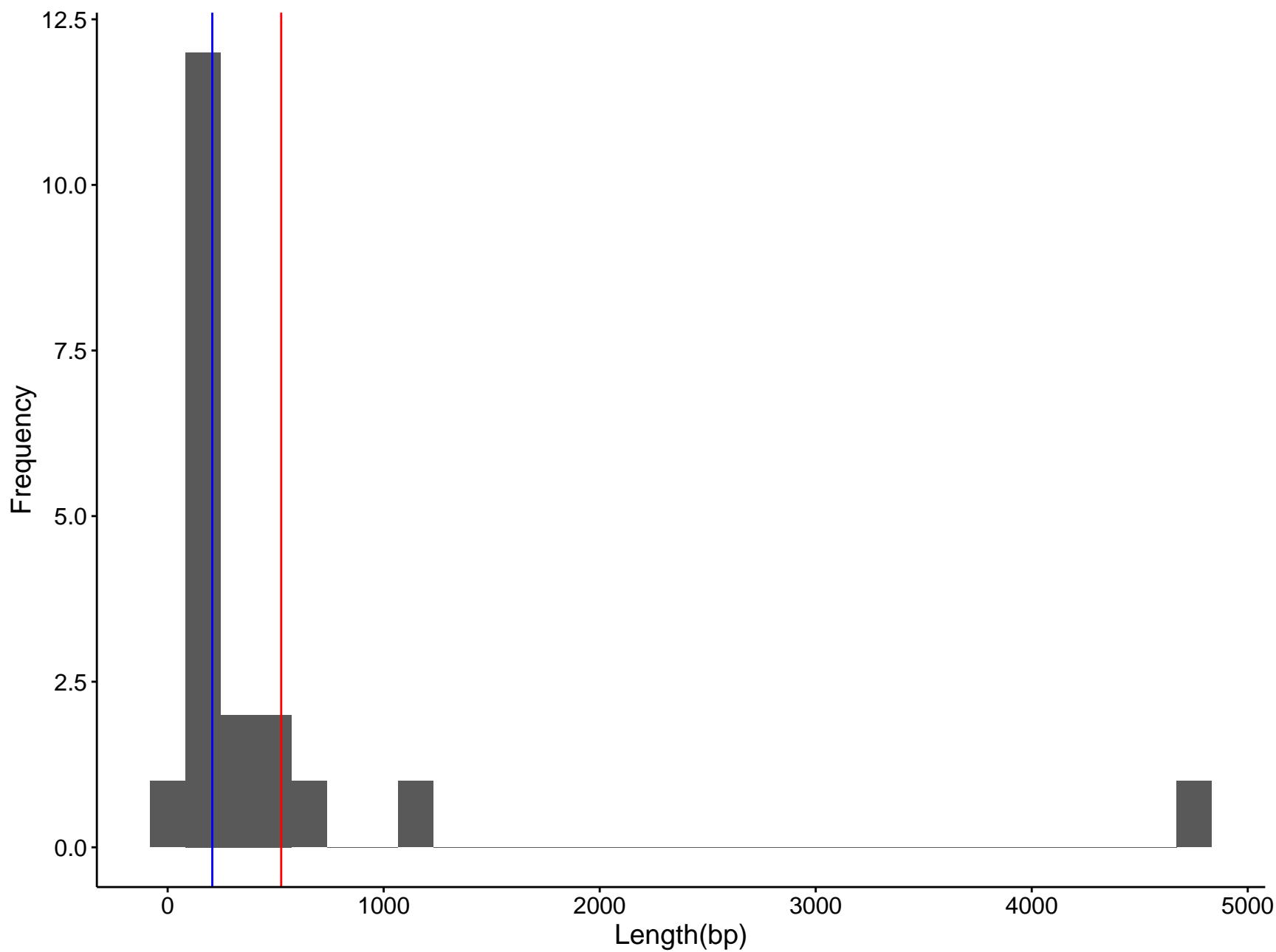
Cluster978



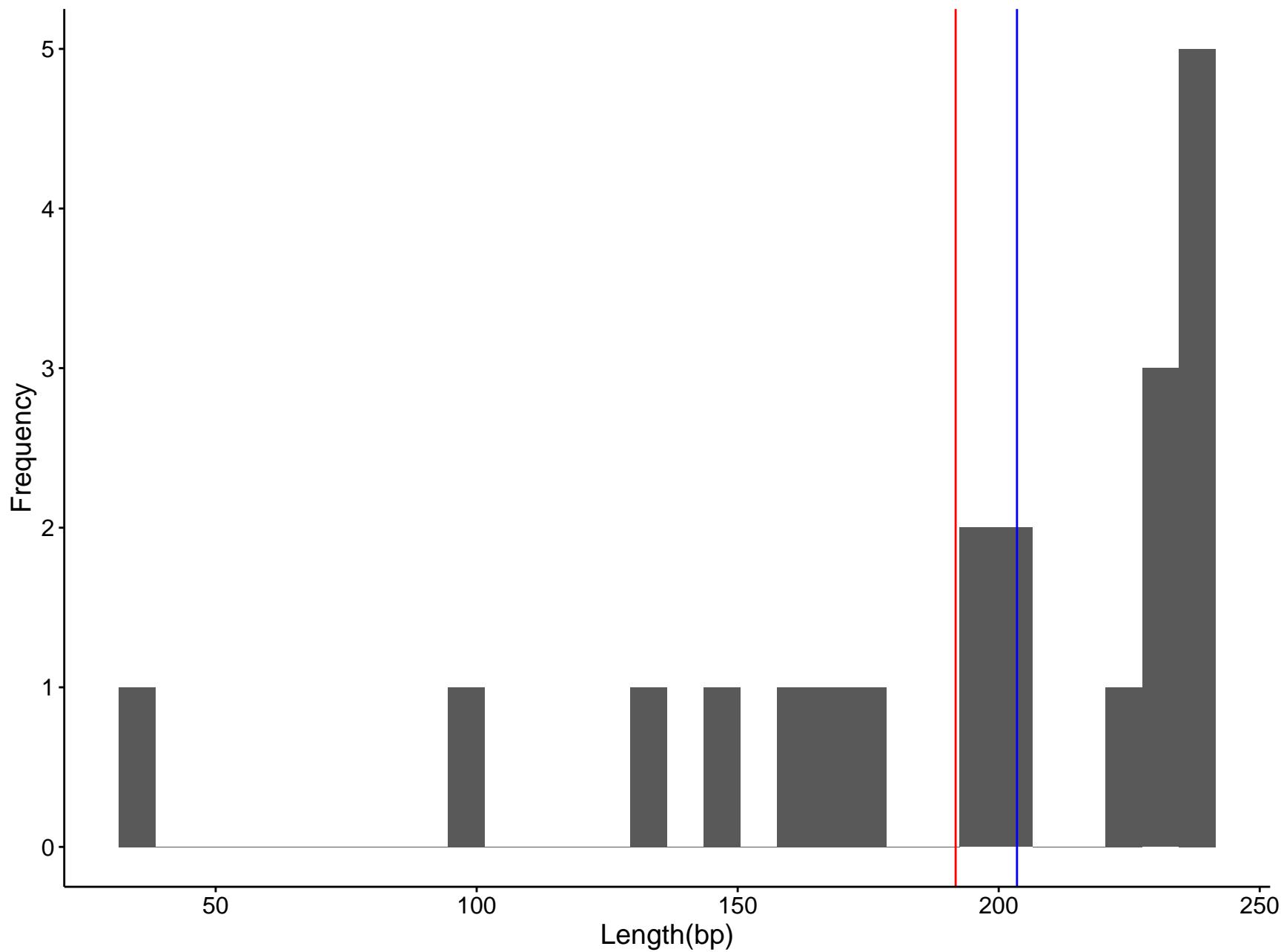
Cluster979



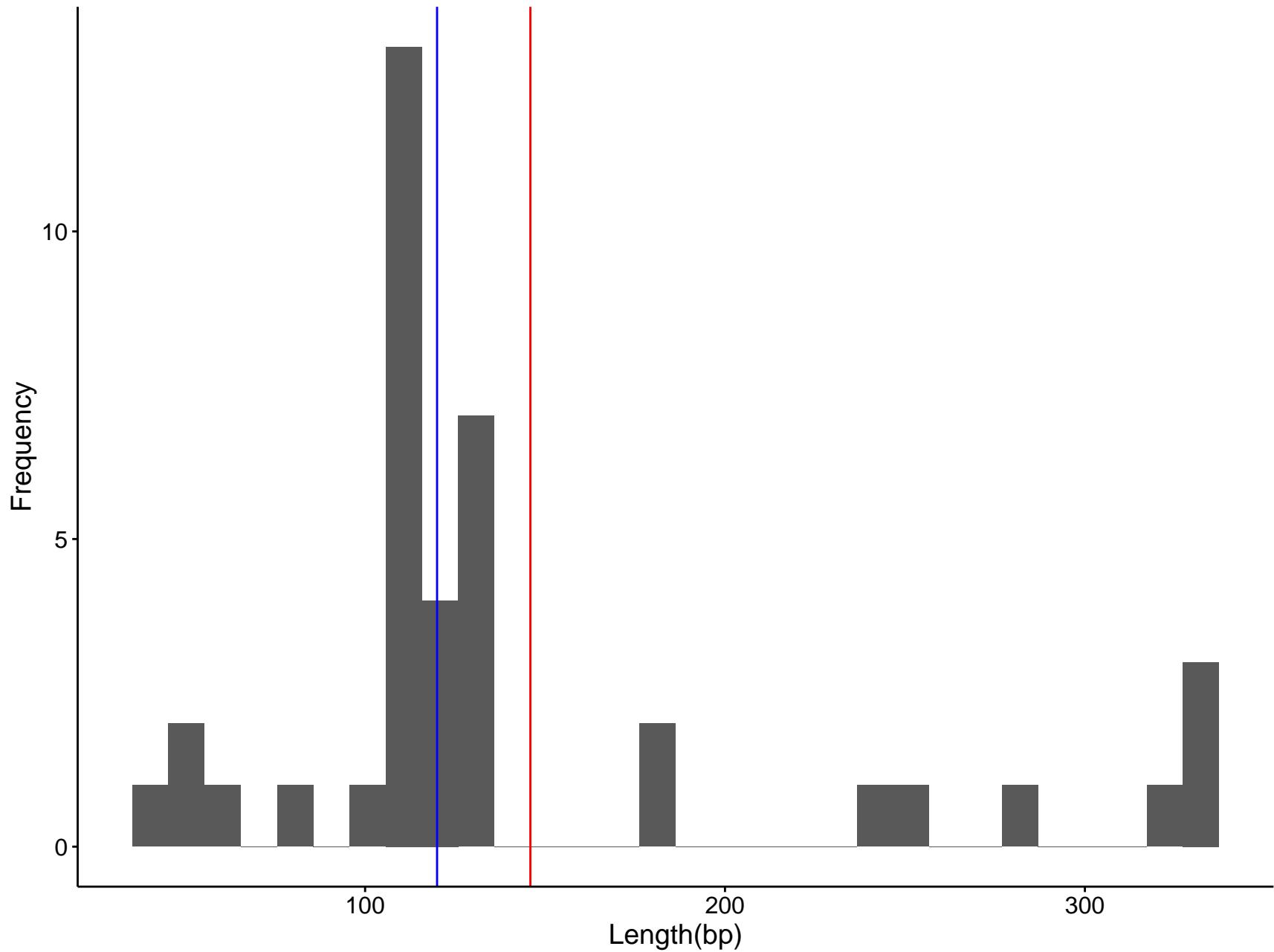
Cluster97



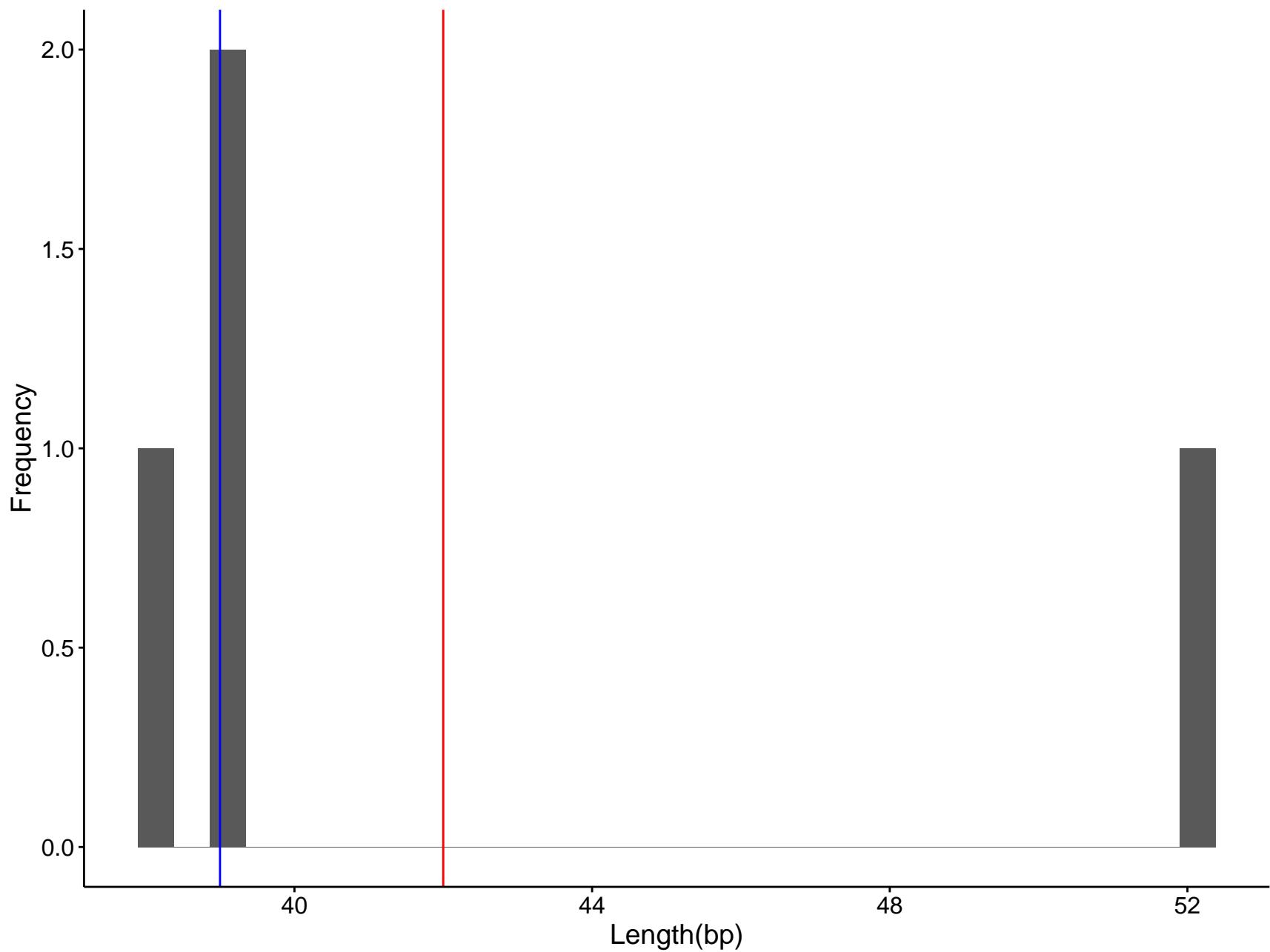
Cluster981



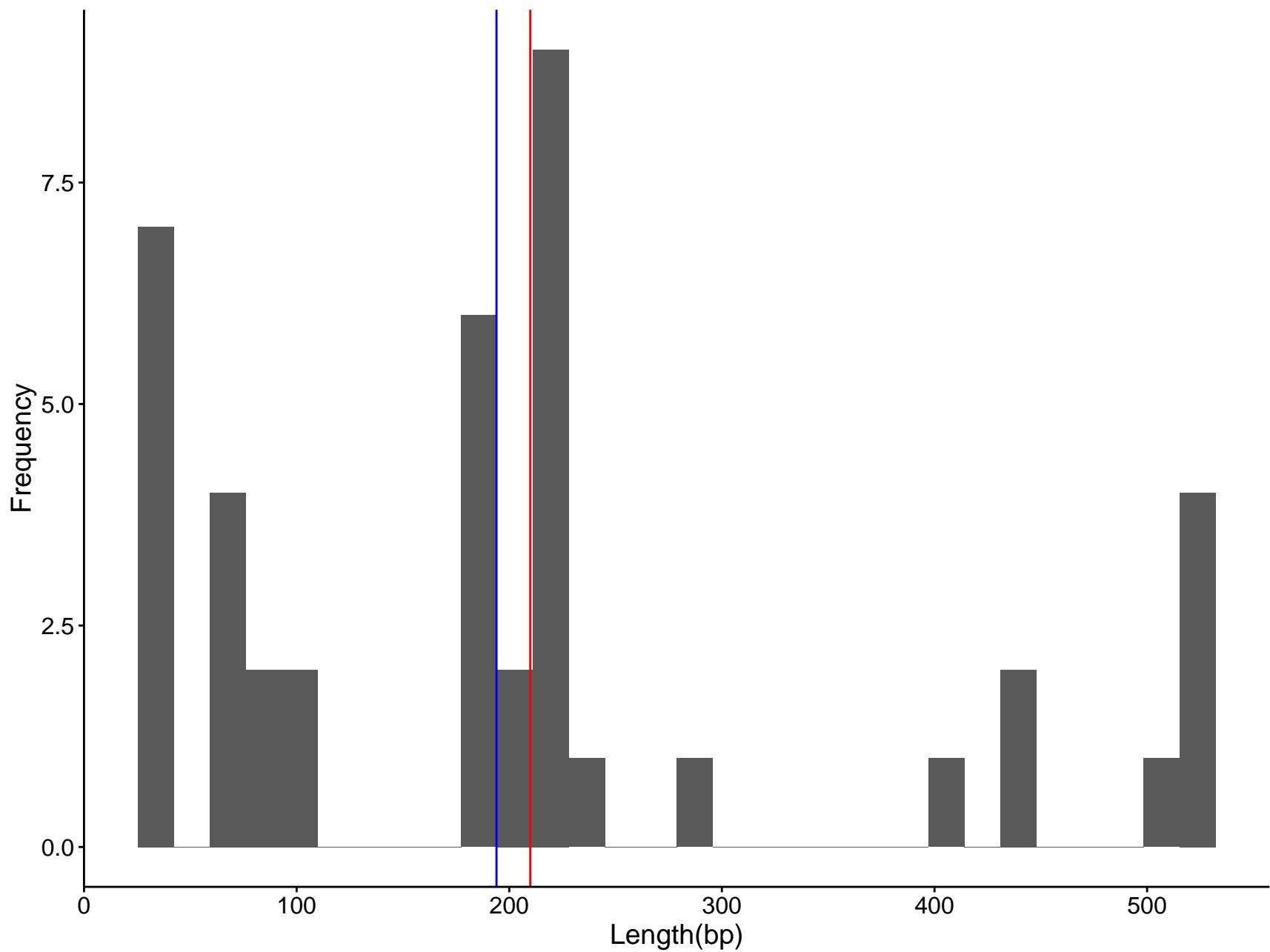
Cluster986

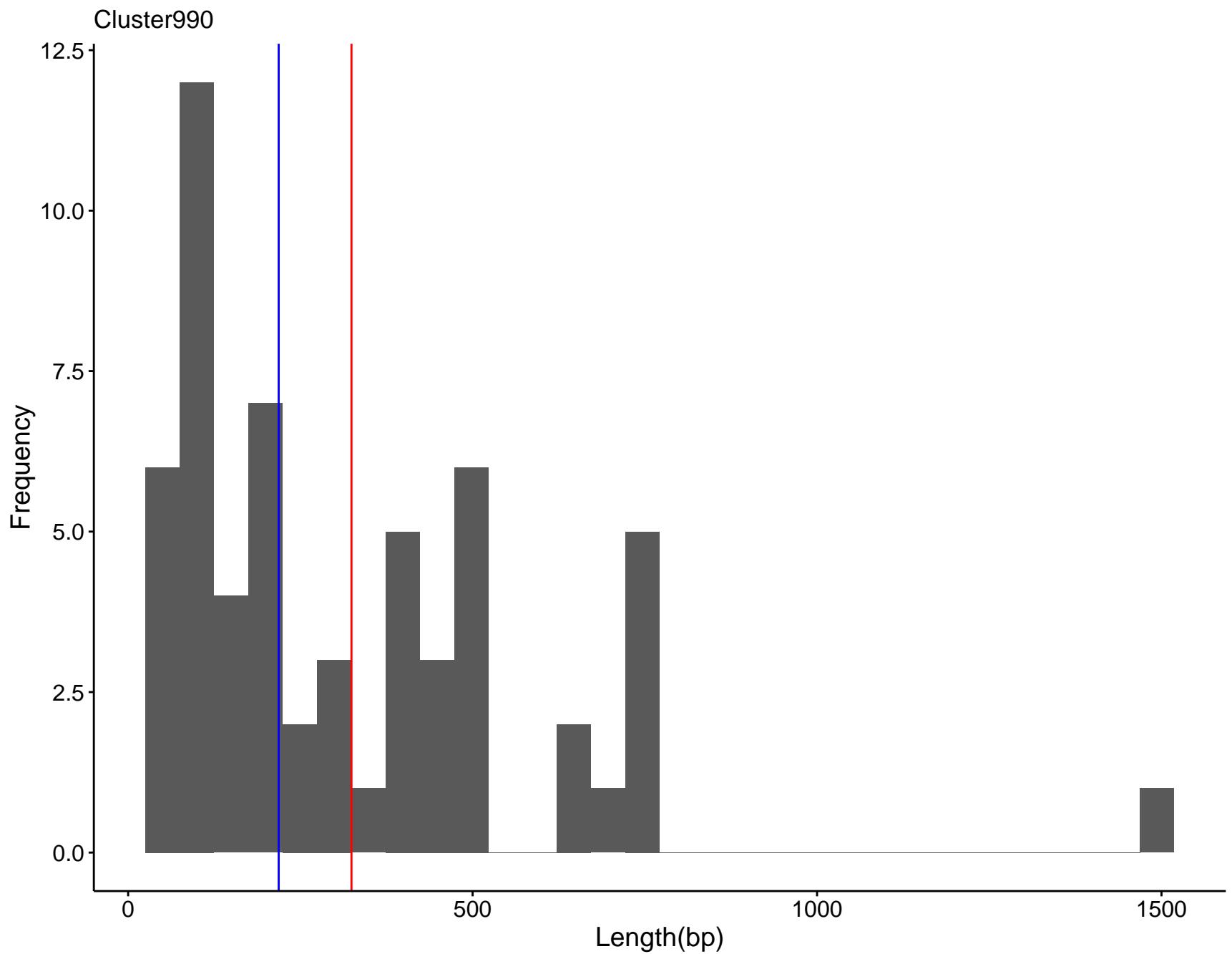


Cluster988

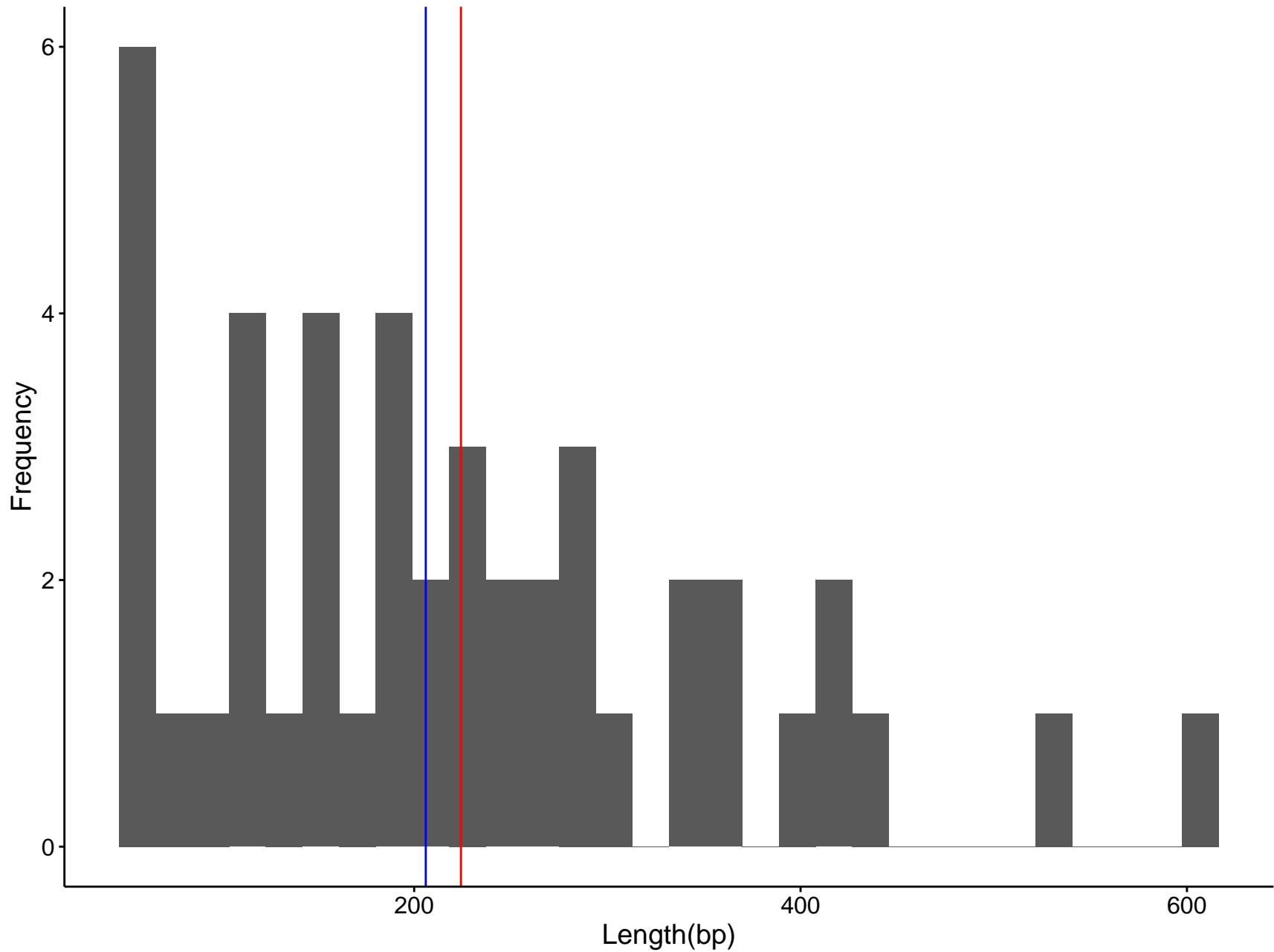


Cluster989

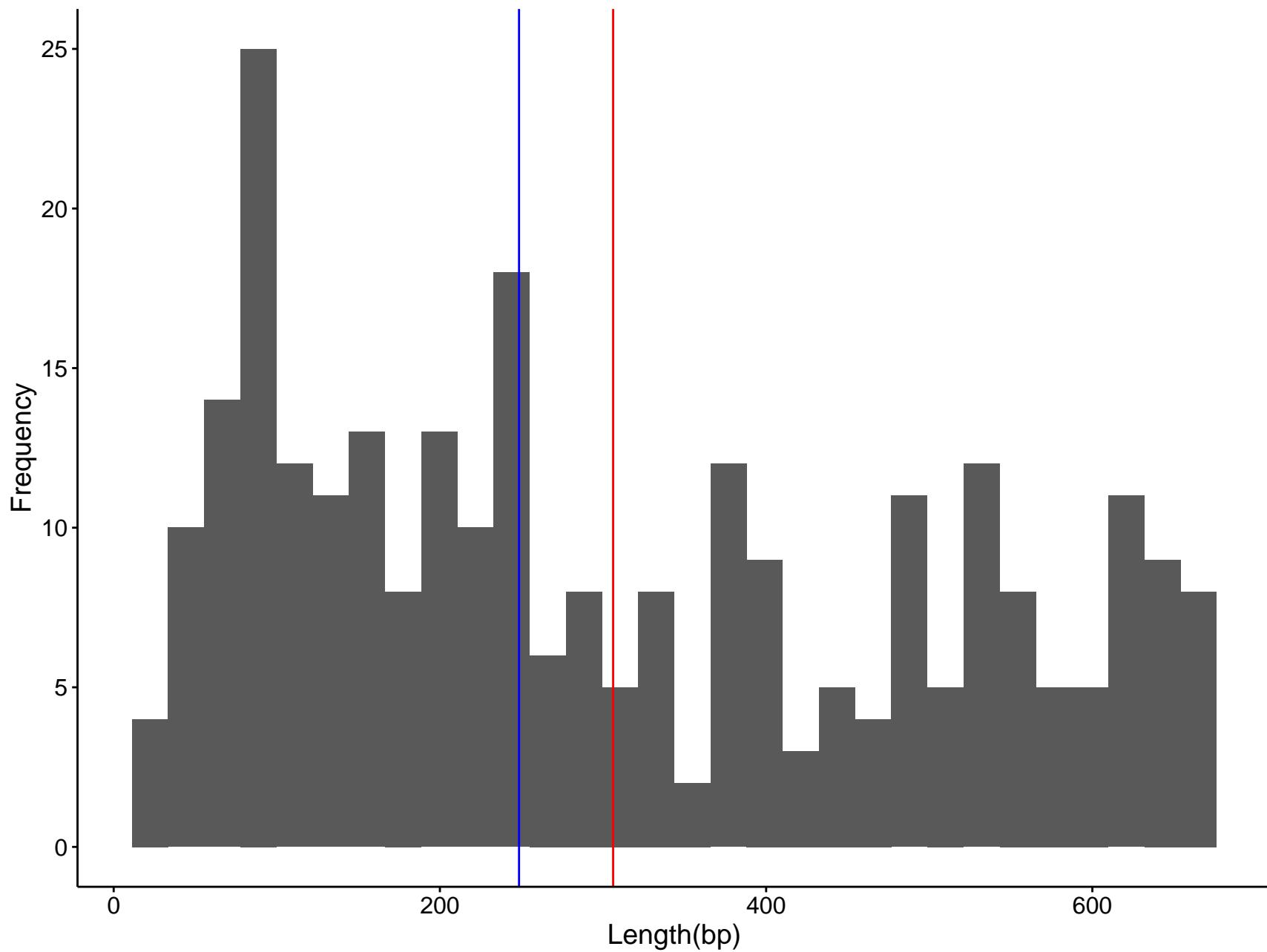




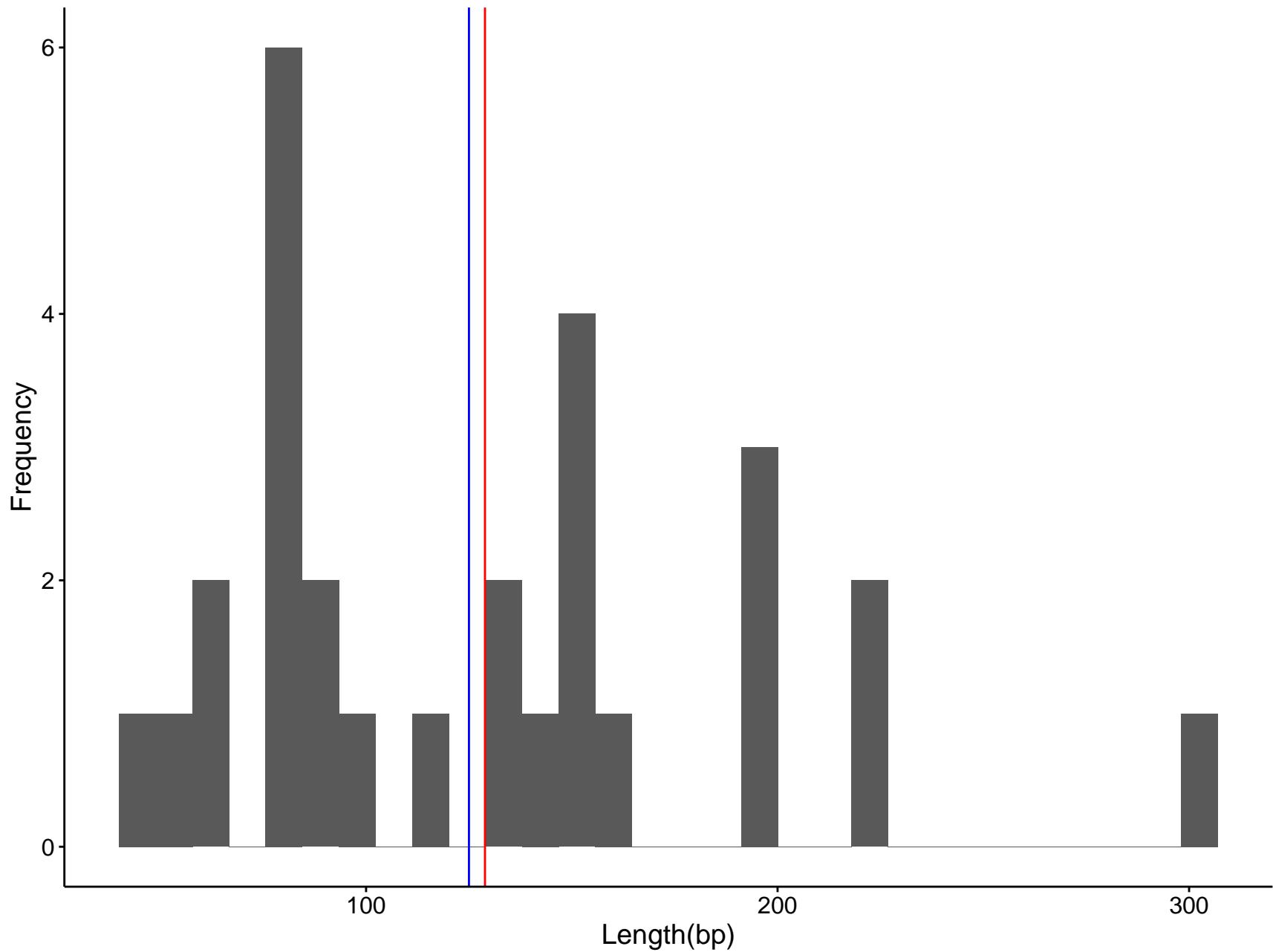
Cluster991



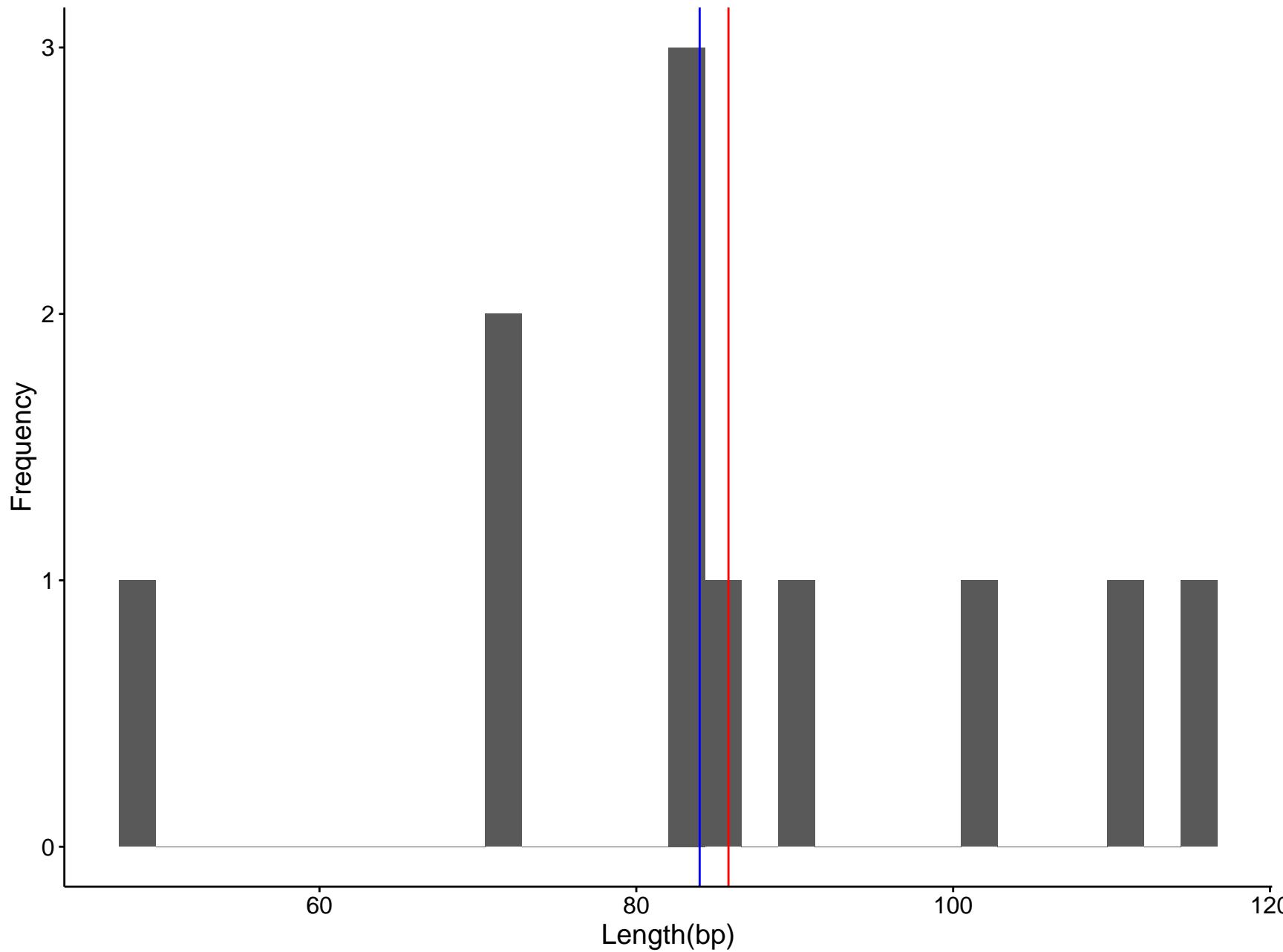
Cluster992



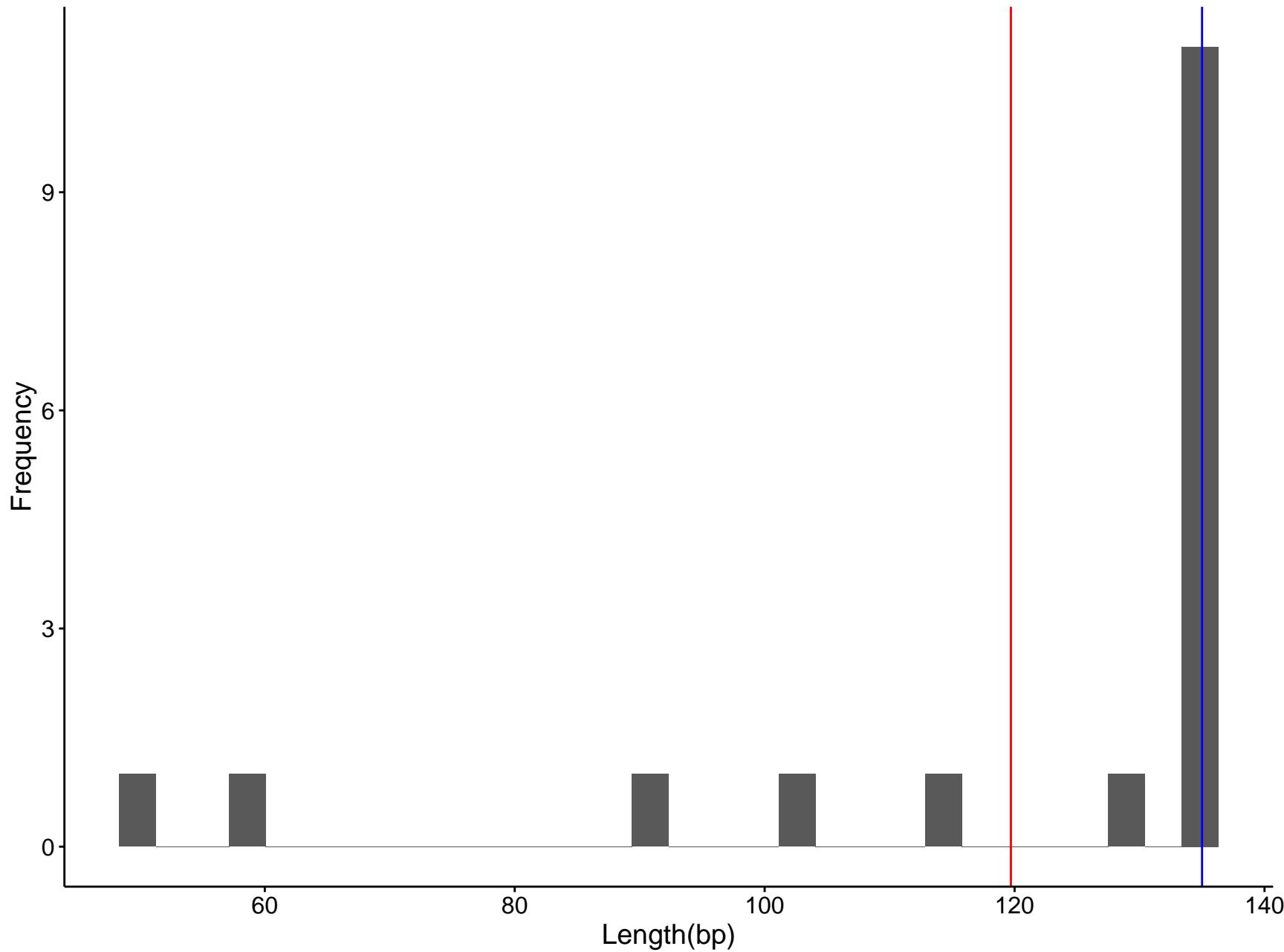
Cluster994



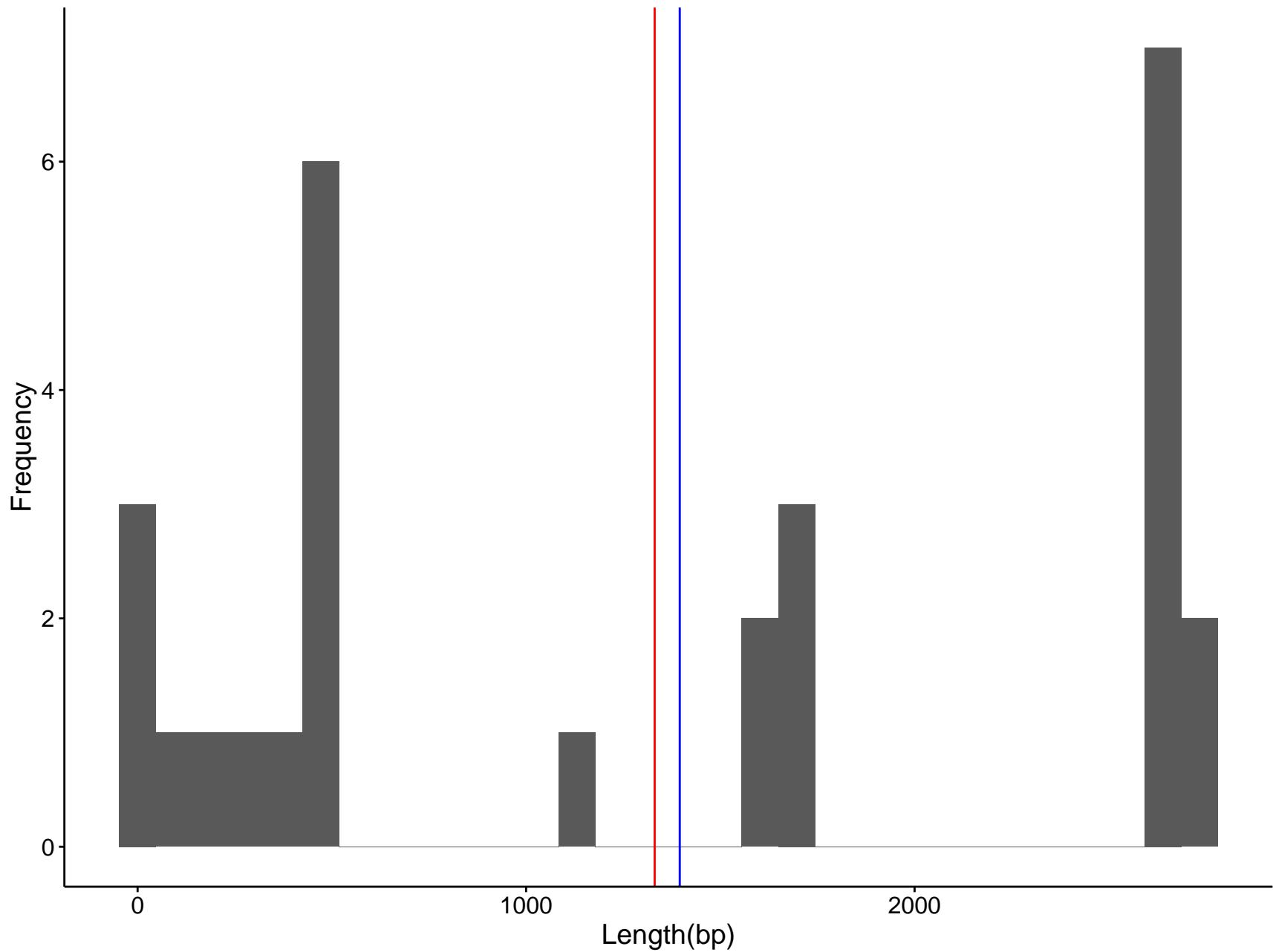
Cluster995



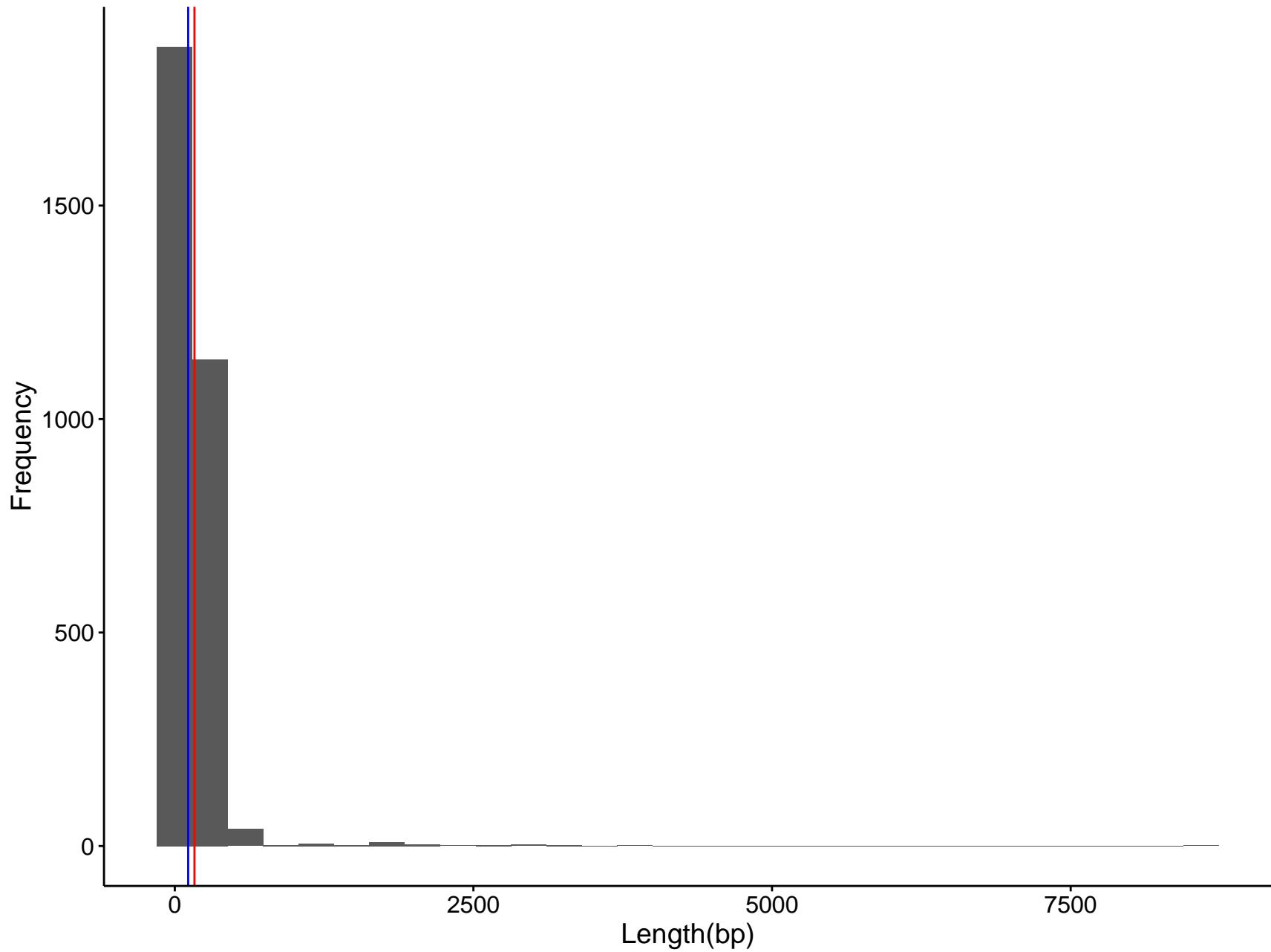
Cluster998



Cluster999



Cluster99



Cluster9

