

# Gene Planet Data Scientist Job Assignment

This is an auto generated report created by GenomeExplorer. It contains statistics about the bam file and a graph showing the average coverage across the genome for selected chromosomes.

total\_read\_count: 16535206  
total\_length: 3101804739  
gc\_percentage: 40.51819859533265  
total\_read\_count - 1: 1309294  
total\_read\_count - 2: 1403933  
total\_read\_count - 3: 1074049  
total\_read\_count - 4: 1145175  
total\_read\_count - 5: 988894  
total\_read\_count - 6: 937448  
total\_read\_count - 7: 897044  
total\_read\_count - 8: 845795  
total\_read\_count - 9: 686538  
total\_read\_count - 10: 890679  
total\_read\_count - 11: 738507  
total\_read\_count - 12: 725769  
total\_read\_count - 13: 533917  
total\_read\_count - 14: 488641  
total\_read\_count - 15: 457059  
total\_read\_count - 16: 499890  
total\_read\_count - 17: 456465  
total\_read\_count - 18: 438655  
total\_read\_count - 19: 333211  
total\_read\_count - 20: 336316  
total\_read\_count - 21: 228326  
total\_read\_count - 22: 198282  
total\_read\_count - X: 457015  
total\_read\_count - Y: 186516  
total\_read\_count - MT: 22361  
total\_read\_count - GL000207.1: 35  
total\_read\_count - GL000226.1: 36712  
total\_read\_count - GL000229.1: 626  
total\_read\_count - GL000231.1: 707

total\_read\_count - GL000210.1: 75  
total\_read\_count - GL000239.1: 550  
total\_read\_count - GL000235.1: 627  
total\_read\_count - GL000201.1: 67  
total\_read\_count - GL000247.1: 281  
total\_read\_count - GL000245.1: 519  
total\_read\_count - GL000197.1: 101  
total\_read\_count - GL000203.1: 309  
total\_read\_count - GL000246.1: 152  
total\_read\_count - GL000249.1: 86  
total\_read\_count - GL000196.1: 100  
total\_read\_count - GL000248.1: 126  
total\_read\_count - GL000244.1: 265  
total\_read\_count - GL000238.1: 125  
total\_read\_count - GL000202.1: 181  
total\_read\_count - GL000234.1: 1264  
total\_read\_count - GL000232.1: 1552  
total\_read\_count - GL000206.1: 93  
total\_read\_count - GL000240.1: 206  
total\_read\_count - GL000236.1: 182  
total\_read\_count - GL000241.1: 1308  
total\_read\_count - GL000243.1: 573  
total\_read\_count - GL000242.1: 128  
total\_read\_count - GL000230.1: 201  
total\_read\_count - GL000237.1: 933  
total\_read\_count - GL000233.1: 220  
total\_read\_count - GL000204.1: 411  
total\_read\_count - GL000198.1: 2362  
total\_read\_count - GL000208.1: 4105  
total\_read\_count - GL000191.1: 404  
total\_read\_count - GL000227.1: 349  
total\_read\_count - GL000228.1: 5606  
total\_read\_count - GL000214.1: 7067  
total\_read\_count - GL000221.1: 2151  
total\_read\_count - GL000209.1: 597  
total\_read\_count - GL000218.1: 1818  
total\_read\_count - GL000220.1: 55468  
total\_read\_count - GL000213.1: 532

total\_read\_count - GL000211.1: 1195  
total\_read\_count - GL000199.1: 51066  
total\_read\_count - GL000217.1: 2136  
total\_read\_count - GL000216.1: 20036  
total\_read\_count - GL000215.1: 459  
total\_read\_count - GL000205.1: 3262  
total\_read\_count - GL000219.1: 3762  
total\_read\_count - GL000224.1: 7333  
total\_read\_count - GL000223.1: 504  
total\_read\_count - GL000195.1: 3821  
total\_read\_count - GL000212.1: 7638  
total\_read\_count - GL000222.1: 1578  
total\_read\_count - GL000200.1: 379  
total\_read\_count - GL000193.1: 3487  
total\_read\_count - GL000194.1: 3022  
total\_read\_count - GL000225.1: 13656  
total\_read\_count - GL000192.1: 2919

Average coverage across the genome by chromosome

