| **Sample** | **Total\_Reads\_total** | **Total\_Reads\_spiked** | **Percentage** | **Result** |
| --- | --- | --- | --- | --- |
| *spiked.blank.20529\_S180* | *51,718* | *51,352* | *99.29231602* | *failed* |
| *spiked.blank.20913\_S180* | *50,275* | *48,471* | *96.41173545* | *failed* |
| *Std2uL.20721\_S180* | *67,133* | *66,229* | *98.65341933* | *failed* |
| *StdSwab1uL.20720\_S168* | *59,671* | *53,977* | *90.45767626* | *failed* |
| *STP1719.20518\_S143* | *22,419* | *18,165* | *81.02502342* | *failed* |
| *STP213.20519\_S155* | *17,719* | *2,547* | *14.37440036* | *passed* |
| *STP268.20520\_S167* | *10,045* | *1,332* | *13.26032852* | *passed* |
| *STP544.20515\_S107* | *33,260* | *28,061* | *84.36861094* | *failed* |
| *STP570.20516\_S119* | *38,231* | *13,722* | *35.89233868* | *failed* |
| *STP579.20517\_S131* | *37,106* | *30,845* | *83.12671805* | *failed* |
| *STP614.20514\_S190* | *16,245* | *1,061* | *6.53124038* | *passed* |
| *UHM1000.20700\_S118* | *391* | *235* | *60.10230179* | *failed* |
| *UHM1001.20705\_S178* | *12,731* | *3,323* | *26.10164166* | *passed* |
| *UHM1007.20718\_S144* | *769* | *572* | *74.38231469* | *failed* |
| *UHM1009.20710\_S143* | *8,749* | *1,081* | *12.35569779* | *passed* |
| *UHM1010.20717\_S132* | *16,306* | *6,023* | *36.93732368* | *failed* |
| *UHM1011.20702\_S142* | *27,755* | *6,356* | *22.90037831* | *passed* |
| *UHM1024.20716\_S120* | *22,700* | *12,919* | *56.91189427* | *failed* |
| *UHM1026.20703\_S154* | *19,715* | *4,976* | *25.23966523* | *passed* |
| *UHM1028.20709\_S131* | *3,053* | *1,052* | *34.45791025* | *passed* |
| *UHM1032.20701\_S130* | *17,313* | *6,061* | *35.00837521* | *failed* |
| *UHM1033.20715\_S108* | *4,714* | *3,809* | *80.80186678* | *failed* |
| *UHM1034.20712\_S167* | *310* | *20* | *6.45161290* | *passed* |
| *UHM1035.20707\_S107* | *13,245* | *4,183* | *31.58172895* | *passed* |
| *UHM1036.20708\_S119* | *25,460* | *1,245* | *4.89002357* | *passed* |
| *UHM1052.20711\_S155* | *5,843* | *4,403* | *75.35512579* | *failed* |
| *UHM1060.20819\_S97* | *44,879* | *25,949* | *57.81991577* | *failed* |
| *UHM1065.20820\_S109* | *25,751* | *15,547* | *60.37435439* | *failed* |
| *UHM1068.20828\_S110* | *10,520* | *3,023* | *28.73574144* | *passed* |
| *UHM1069.20838\_S135* | *12,098* | *3,470* | *28.68242685* | *passed* |
| *UHM1070.20821\_S121* | *18,432* | *11,857* | *64.32834201* | *failed* |
| *UHM1071.20829\_S122* | *5,538* | *2,214* | *39.97833153* | *failed* |
| *UHM1072.20830\_S134* | *14,356* | *7,615* | *53.04402340* | *failed* |
| *UHM1073.20831\_S146* | *6,135* | *199* | *3.24368378* | *passed* |
| *UHM1075.20822\_S133* | *6,019* | *2,617* | *43.47898322* | *failed* |
| *UHM1077.20832\_S158* | *21,039* | *14,784* | *70.26949950* | *failed* |
| *UHM1078.20823\_S145* | *2,049* | *611* | *29.81942411* | *passed* |
| *UHM1080.20833\_S170* | *3,109* | *767* | *24.67031200* | *passed* |
| *UHM1081.20824\_S157* | *62,562* | *1,355* | *2.16585148* | *passed* |
| *UHM1088.20834\_S182* | *3,292* | *1,593* | *48.39003645* | *failed* |
| *UHM1090.20835\_S99* | *9,520* | *4,005* | *42.06932773* | *failed* |
| *UHM1093.20825\_S169* | *11,498* | *1,617* | *14.06331536* | *passed* |
| *UHM1095.20826\_S181* | *18,880* | *3,662* | *19.39618644* | *passed* |
| *UHM1097.20719\_S156* | *22,503* | *13,497* | *59.97866951* | *failed* |
| *UHM1099.20704\_S166* | *30,374* | *10,494* | *34.54928557* | *passed* |
| *UHM1100.20884\_S117* | *16,278* | *59* | *0.36245239* | *passed* |
| *UHM1102.20885\_S129* | *26,202* | *276* | *1.05335471* | *passed* |
| *UHM1104.20886\_S141* | *7,375* | *433* | *5.87118644* | *passed* |
| *UHM1105.20887\_S153* | *18,683* | *548* | *2.93314778* | *passed* |
| *UHM1109.20627\_S97* | *4,781* | *4,081* | *85.35871157* | *failed* |
| *UHM1110.20664\_S161* | *12,842* | *26* | *0.20246068* | *passed* |
| *UHM1113.20888\_S165* | *7,757* | *1,479* | *19.06664948* | *passed* |
| *UHM1114.20889\_S177* | *11,158* | *1,193* | *10.69188027* | *passed* |
| *UHM1115.20890\_S189* | *3,088* | *108* | *3.49740933* | *passed* |
| *UHM1117.20891\_S106* | *17,179* | *129* | *0.75091682* | *passed* |
| *UHM1118.20892\_S118* | *6,002* | *529* | *8.81372876* | *passed* |
| *UHM1120.20893\_S130* | *4,240* | *423* | *9.97641509* | *passed* |
| *UHM1124.20894\_S142* | *8,432* | *397* | *4.70825427* | *passed* |
| *UHM1126.20895\_S154* | *9,855* | *370* | *3.75443937* | *passed* |
| *UHM1128.20896\_S166* | *565* | *76* | *13.45132743* | *passed* |
| *UHM1140.20651\_S100* | *10,161* | *644* | *6.33795886* | *passed* |
| *UHM1145.20897\_S178* | *1,220* | *335* | *27.45901639* | *passed* |
| *UHM1163.20501\_S129* | *13,780* | *1,187* | *8.61393324* | *passed* |
| *UHM1164.20498\_S188* | *28,086* | *9,249* | *32.93099765* | *passed* |
| *UHM1169.20648\_S159* | *18,673* | *14,826* | *79.39806137* | *failed* |
| *UHM1171.20675\_S103* | *10,300* | *60* | *0.58252427* | *passed* |
| *UHM1176.20500\_S117* | *9,137* | *576* | *6.30403852* | *passed* |
| *UHM1177.20642\_S182* | *47,505* | *25,773* | *54.25323650* | *failed* |
| *UHM1182.20672\_S162* | *9,442* | *637* | *6.74645202* | *passed* |
| *UHM1210.20898\_S190* | *11,318* | *201* | *1.77593214* | *passed* |
| *UHM1212.20899\_S107* | *7,319* | *604* | *8.25249351* | *passed* |
| *UHM1217.20900\_S119* | *16,705* | *1,098* | *6.57288237* | *passed* |
| *UHM1218.20901\_S131* | *13,662* | *557* | *4.07700190* | *passed* |
| *UHM1219.20902\_S143* | *5,167* | *70* | *1.35475131* | *passed* |
| *UHM1220.20903\_S155* | *17,459* | *200* | *1.14554098* | *passed* |
| *UHM1221.20904\_S167* | *11,505* | *382* | *3.32029552* | *passed* |
| *UHM1222.20905\_S179* | *17,832* | *7,140* | *40.04037685* | *failed* |
| *UHM1223.20906\_S191* | *13,909* | *158* | *1.13595514* | *passed* |
| *UHM1225.20907\_S108* | *20,221* | *324* | *1.60229464* | *passed* |
| *UHM1227.20908\_S120* | *12,999* | *597* | *4.59266097* | *passed* |
| *UHM1228.20909\_S132* | *7,485* | *114* | *1.52304609* | *passed* |
| *UHM1237.20910\_S144* | *14,094* | *591* | *4.19327373* | *passed* |
| *UHM1240.20662\_S137* | *16,393* | *6,573* | *40.09638260* | *failed* |
| *UHM1246.20911\_S156* | *15,069* | *1,382* | *9.17114606* | *passed* |
| *UHM1247.20912\_S168* | *21,026* | *639* | *3.03909445* | *passed* |
| *UHM1248.20671\_S150* | *37,309* | *29,089* | *77.96778257* | *failed* |
| *UHM1256.20666\_S185* | *66,391* | *11,510* | *17.33668720* | *passed* |
| *UHM1260.20692\_S117* | *23,538* | *950* | *4.03602685* | *passed* |
| *UHM1270.20673\_S174* | *19,337* | *8,339* | *43.12457982* | *failed* |
| *UHM1271.20493\_S128* | *5,920* | *1,362* | *23.00675676* | *passed* |
| *UHM1272.20494\_S140* | *6,703* | *2,685* | *40.05669103* | *failed* |
| *UHM1274.20650\_S183* | *21,299* | *2,866* | *13.45603080* | *passed* |
| *UHM1275.20693\_S129* | *19,451* | *575* | *2.95614621* | *passed* |
| *UHM1282.20695\_S153* | *28,919* | *682* | *2.35831114* | *passed* |
| *UHM1287.20639\_S146* | *20,320* | *3,538* | *17.41141732* | *passed* |
| *UHM1291.20512\_S166* | *9,676* | *2,529* | *26.13683340* | *passed* |
| *UHM1296.20646\_S135* | *8,993* | *64* | *0.71166463* | *passed* |
| *UHM1319.20657\_S172* | *17,209* | *462* | *2.68464176* | *passed* |
| *UHM1324.20509\_S130* | *2,807* | *1,972* | *70.25293908* | *failed* |
| *UHM1327.20641\_S170* | *547* | *61* | *11.15173675* | *passed* |
| *UHM1328.20668\_S114* | *37,052* | *34,575* | *93.31480082* | *failed* |
| *UHM1334.20513\_S178* | *20,287* | *792* | *3.90397792* | *passed* |
| *UHM1338.20495\_S152* | *17,349* | *6,988* | *40.27897862* | *failed* |
| *UHM1341.20698\_S189* | *53,698* | *51,544* | *95.98867742* | *failed* |
| *UHM1356.20637\_S122* | *40,266* | *36,158* | *89.79784434* | *failed* |
| *UHM1380.20676\_S115* | *16,738* | *256* | *1.52945394* | *passed* |
| *UHM1383.20690\_S188* | *19,728* | *495* | *2.50912409* | *passed* |
| *UHM1385.20659\_S101* | *21,972* | *15,137* | *68.89222647* | *failed* |
| *UHM1399.20852\_S113* | *13,536* | *3,578* | *26.43321513* | *passed* |
| *UHM1400.20853\_S125* | *20,301* | *8,088* | *39.84040195* | *failed* |
| *UHM1401.20854\_S137* | *25,719* | *8,593* | *33.41109685* | *passed* |
| *UHM1402.20855\_S149* | *0* | *0* |  |  |
| *UHM1403.20856\_S161* | *19,594* | *4,762* | *24.30335817* | *passed* |
| *UHM1405.20857\_S173* | *19,786* | *1,215* | *6.14070555* | *passed* |
| *UHM1406.20858\_S185* | *31,418* | *12,159* | *38.70074480* | *failed* |
| *UHM1414.20859\_S102* | *20,451* | *509* | *2.48887585* | *passed* |
| *UHM1419.20860\_S114* | *5,955* | *2,295* | *38.53904282* | *failed* |
| *UHM1427.20485\_S127* | *2,373* | *1,365* | *57.52212389* | *failed* |
| *UHM1428.20486\_S139* | *6,884* | *33* | *0.47937246* | *passed* |
| *UHM1429.20487\_S151* | *532* | *53* | *9.96240602* | *passed* |
| *UHM1430.20488\_S163* | *13,304* | *129* | *0.96963319* | *passed* |
| *UHM1432.20489\_S175* | *15,372* | *162* | *1.05386417* | *passed* |
| *UHM1435.20484\_S115* | *1,654* | *484* | *29.26239420* | *passed* |
| *UHM162.20656\_S160* | *17,746* | *1,525* | *8.59348586* | *passed* |
| *UHM198.20681\_S175* | *6,728* | *1,855* | *27.57134364* | *passed* |
| *UHM200.20670\_S138* | *6,675* | *571* | *8.55430712* | *passed* |
| *UHM203.20685\_S128* | *8,791* | *1,206* | *13.71857582* | *passed* |
| *UHM204.20505\_S177* | *5,982* | *2,659* | *44.45001672* | *failed* |
| *UHM206.20506\_S189* | *23,947* | *13,696* | *57.19296780* | *failed* |
| *UHM207.20689\_S176* | *26,009* | *811* | *3.11815141* | *passed* |
| *UHM208.20507\_S106* | *3,891* | *883* | *22.69339501* | *passed* |
| *UHM211.20502\_S141* | *17,323* | *11,292* | *65.18501414* | *failed* |
| *UHM215.20504\_S165* | *9,697* | *3,355* | *34.59832938* | *passed* |
| *UHM216.20525\_S132* | *23,655* | *16,319* | *68.98752906* | *failed* |
| *UHM219.20526\_S144* | *49,178* | *48,760* | *99.15002643* | *failed* |
| *UHM236.20527\_S156* | *20,580* | *20,280* | *98.54227405* | *failed* |
| *UHM238.20503\_S153* | *8,866* | *7,100* | *80.08120911* | *failed* |
| *UHM245.20634\_S181* | *3,969* | *1,961* | *49.40791131* | *failed* |
| *UHM252.20654\_S136* | *6,890* | *853* | *12.38026125* | *passed* |
| *UHM267.20496\_S164* | *25,044* | *1,531* | *6.11324070* | *passed* |
| *UHM274.20677\_S127* | *12,791* | *1,865* | *14.58056446* | *passed* |
| *UHM276.20682\_S187* | *9,885* | *2,550* | *25.79666161* | *passed* |
| *UHM280.20497\_S176* | *21,358* | *4,551* | *21.30817492* | *passed* |
| *UHM286.20521\_S179* | *2,213* | *1,144* | *51.69453231* | *failed* |
| *UHM289.20522\_S191* | *13,228* | *2,934* | *22.18022377* | *passed* |
| *UHM294.20523\_S108* | *4,652* | *1,794* | *38.56405847* | *failed* |
| *UHM298.20696\_S165* | *7,113* | *146* | *2.05257978* | *passed* |
| *UHM325.20644\_S111* | *6,325* | *602* | *9.51778656* | *passed* |
| *UHM337.20508\_S118* | *911* | *832* | *91.32821076* | *failed* |
| *UHM354.20631\_S145* | *51* | *31* | *60.78431373* | *failed* |
| *UHM356.20511\_S154* | *12,978* | *3,435* | *26.46786870* | *passed* |
| *UHM369.20869\_S127* | *0* | *0* |  |  |
| *UHM370.20870\_S139* | *16,938* | *532* | *3.14086669* | *passed* |
| *UHM372.20871\_S151* | *17,534* | *1,203* | *6.86095586* | *passed* |
| *UHM373.20872\_S163* | *27,188* | *558* | *2.05237605* | *passed* |
| *UHM374.20873\_S175* | *19,177* | *102* | *0.53188716* | *passed* |
| *UHM375.20874\_S187* | *23,521* | *1,390* | *5.90961269* | *passed* |
| *UHM377.20875\_S104* | *13,246* | *476* | *3.59353767* | *passed* |
| *UHM382.20876\_S116* | *13,468* | *72* | *0.53460053* | *passed* |
| *UHM386.20877\_S128* | *26,767* | *282* | *1.05353607* | *passed* |
| *UHM387.20878\_S140* | *18,500* | *187* | *1.01081081* | *passed* |
| *UHM414.20679\_S151* | *15,612* | *142* | *0.90955675* | *passed* |
| *UHM418.20861\_S126* | *7,288* | *196* | *2.68935236* | *passed* |
| *UHM422.20862\_S138* | *26,095* | *6,716* | *25.73673117* | *passed* |
| *UHM425.20863\_S150* | *20,207* | *630* | *3.11773148* | *passed* |
| *UHM426.20630\_S133* | *29,644* | *22,513* | *75.94454190* | *failed* |
| *UHM428.20640\_S158* | *7,132* | *115* | *1.61245093* | *passed* |
| *UHM429.20655\_S148* | *28,519* | *10,661* | *37.38209615* | *failed* |
| *UHM435.20643\_S99* | *29,010* | *3,921* | *13.51602896* | *passed* |
| *UHM437.20864\_S162* | *9,160* | *329* | *3.59170306* | *passed* |
| *UHM439.20660\_S113* | *24,852* | *642* | *2.58329310* | *passed* |
| *UHM443.20524\_S120* | *7,285* | *0* | *0.00000000* | *failed* |
| *UHM445.20665\_S173* | *13,866* | *10* | *0.07211885* | *failed* |
| *UHM447.20879\_S152* | *13,607* | *49* | *0.36010877* | *passed* |
| *UHM448.20865\_S174* | *20,234* | *2,218* | *10.96174755* | *passed* |
| *UHM452.20880\_S164* | *6,687* | *872* | *13.04022731* | *passed* |
| *UHM454.20866\_S186* | *8,923* | *440* | *4.93107699* | *passed* |
| *UHM455.20881\_S176* | *10,097* | *346* | *3.42676042* | *passed* |
| *UHM458.20882\_S188* | *8,231* | *51* | *0.61960880* | *passed* |
| *UHM459.20883\_S105* | *11,698* | *134* | *1.14549496* | *passed* |
| *UHM461.20867\_S103* | *28,873* | *3,904* | *13.52128286* | *passed* |
| *UHM467.20868\_S115* | *17,979* | *313* | *1.74091996* | *passed* |
| *UHM470.20629\_S121* | *24,778* | *1,135* | *4.58067641* | *passed* |
| *UHM476.20510\_S142* | *8,970* | *1,321* | *14.72686734* | *passed* |
| *UHM478.20645\_S123* | *15,640* | *15,515* | *99.20076726* | *failed* |
| *UHM479.20647\_S147* | *51,440* | *48,053* | *93.41562986* | *failed* |
| *UHM481.20499\_S105* | *16,133* | *8,615* | *53.39986363* | *failed* |
| *UHM482.20686\_S140* | *31,520* | *25,143* | *79.76840102* | *failed* |
| *UHM483.20699\_S106* | *51,040* | *201* | *0.39380878* | *passed* |
| *UHM519.20678\_S139* | *19,418* | *1,563* | *8.04923267* | *passed* |
| *UHM520.20669\_S126* | *1,492* | *44* | *2.94906166* | *passed* |
| *UHM836.20481\_S174* | *3,932* | *1,786* | *45.42217701* | *failed* |
| *UHM837.20482\_S186* | *5,158* | *4,997* | *96.87863513* | *failed* |
| *UHM838.20483\_S103* | *17,913* | *60* | *0.33495227* | *passed* |
| *UHM891.20480\_S162* | *24,748* | *95* | *0.38386940* | *passed* |
| *UHM892.20628\_S109* | *19,078* | *270* | *1.41524269* | *passed* |
| *UHM893.20691\_S105* | *3,996* | *26* | *0.65065065* | *passed* |
| *UHM894.20636\_S110* | *64* | *48* | *75.00000000* | *failed* |
| *UHM895.20632\_S157* | *16,671* | *407* | *2.44136525* | *passed* |
| *UHM896.20697\_S177* | *23,423* | *46* | *0.19638817* | *passed* |
| *UHM897.20687\_S152* | *25,647* | *188* | *0.73302920* | *passed* |
| *UHM898.20490\_S187* | *8,188* | *271* | *3.30972154* | *passed* |
| *UHM899.20684\_S116* | *360* | *0* | *0.00000000* | *failed* |
| *UHM900.20491\_S104* | *740* | *33* | *4.45945946* | *passed* |
| *UHM901.20638\_S134* | *5,738* | *442* | *7.70303242* | *passed* |
| *UHM902.20680\_S163* | *27,444* | *1,973* | *7.18918525* | *passed* |
| *UHM903.20683\_S104* | *25,157* | *2,679* | *10.64912350* | *passed* |
| *UHM904.20663\_S149* | *11,906* | *241* | *2.02418948* | *passed* |
| *UHM905.20694\_S141* | *19,235* | *237* | *1.23212893* | *passed* |
| *UHM906.20661\_S125* | *2,772* | *25* | *0.90187590* | *passed* |
| *UHM907.20688\_S164* | *13,043* | *3,030* | *23.23085180* | *passed* |
| *UHM908.20492\_S116* | *3,197* | *1,564* | *48.92086331* | *failed* |
| *UHM909.20653\_S124* | *38,168* | *15,279* | *40.03091595* | *failed* |
| *UHM910.20658\_S184* | *7,628* | *1,480* | *19.40220241* | *passed* |
| *UHM965.20633\_S169* | *19,403* | *4,439* | *22.87790548* | *passed* |
| *UHM966.20839\_S147* | *14,822* | *8,198* | *55.30967481* | *failed* |
| *UHM967.20840\_S159* | *20,603* | *584* | *2.83453866* | *passed* |
| *UHM968.20667\_S102* | *57,262* | *56,504* | *98.67626000* | *failed* |
| *UHM969.20841\_S171* | *2,935* | *135* | *4.59965928* | *passed* |
| *UHM971.20842\_S183* | *21,121* | *354* | *1.67605700* | *passed* |
| *UHM973.20674\_S186* | *6,149* | *4,357* | *70.85704993* | *failed* |
| *UHM974.20528\_S168* | *47,844* | *46,977* | *98.18786055* | *failed* |
| *UHM975.20843\_S100* | *9,487* | *297* | *3.13059977* | *passed* |
| *UHM977.20844\_S112* | *12,827* | *1,744* | *13.59632026* | *passed* |
| *UHM978.20845\_S124* | *356* | *98* | *27.52808989* | *passed* |
| *UHM979.20846\_S136* | *3,617* | *419* | *11.58418579* | *passed* |
| *UHM980.20827\_S98* | *19,116* | *14,682* | *76.80477087* | *failed* |
| *UHM981.20635\_S98* | *37,872* | *6,706* | *17.70701310* | *passed* |
| *UHM982.20836\_S111* | *18,955* | *154* | *0.81245054* | *passed* |
| *UHM983.20652\_S112* | *36,041* | *1,656* | *4.59476707* | *passed* |
| *UHM984.20847\_S148* | *5,377* | *129* | *2.39910731* | *passed* |
| *UHM985.20848\_S160* | *12,322* | *1,741* | *14.12919981* | *passed* |
| *UHM988.20849\_S172* | *15,784* | *6,635* | *42.03623923* | *failed* |
| *UHM989.20850\_S184* | *4,002* | *201* | *5.02248876* | *passed* |
| *UHM991.20851\_S101* | *9,457* | *4,208* | *44.49614043* | *failed* |
| *UHM993.20837\_S123* | *5,767* | *232* | *4.02288885* | *passed* |
| *UHM996.20706\_S190* | *18,055* | *14,568* | *80.68679036* | *failed* |
| *UHM997.20649\_S171* | *7,371* | *1,909* | *25.89879257* | *passed* |
| *UHM998.20714\_S191* | *19,559* | *14,857* | *75.95991615* | *failed* |
| *UHM999.20713\_S179* | *12,057* | *322* | *2.67064776* | *passed* |