

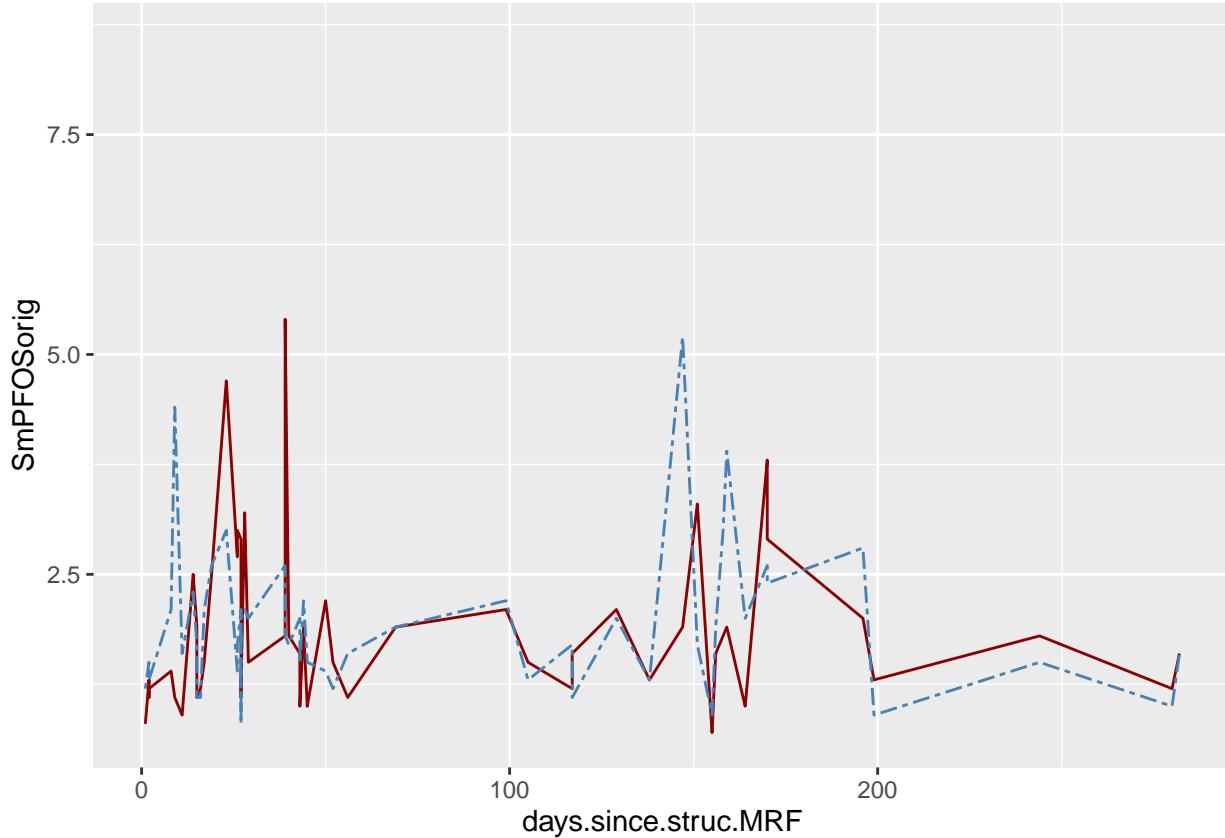
# TFD longitudinal analyses

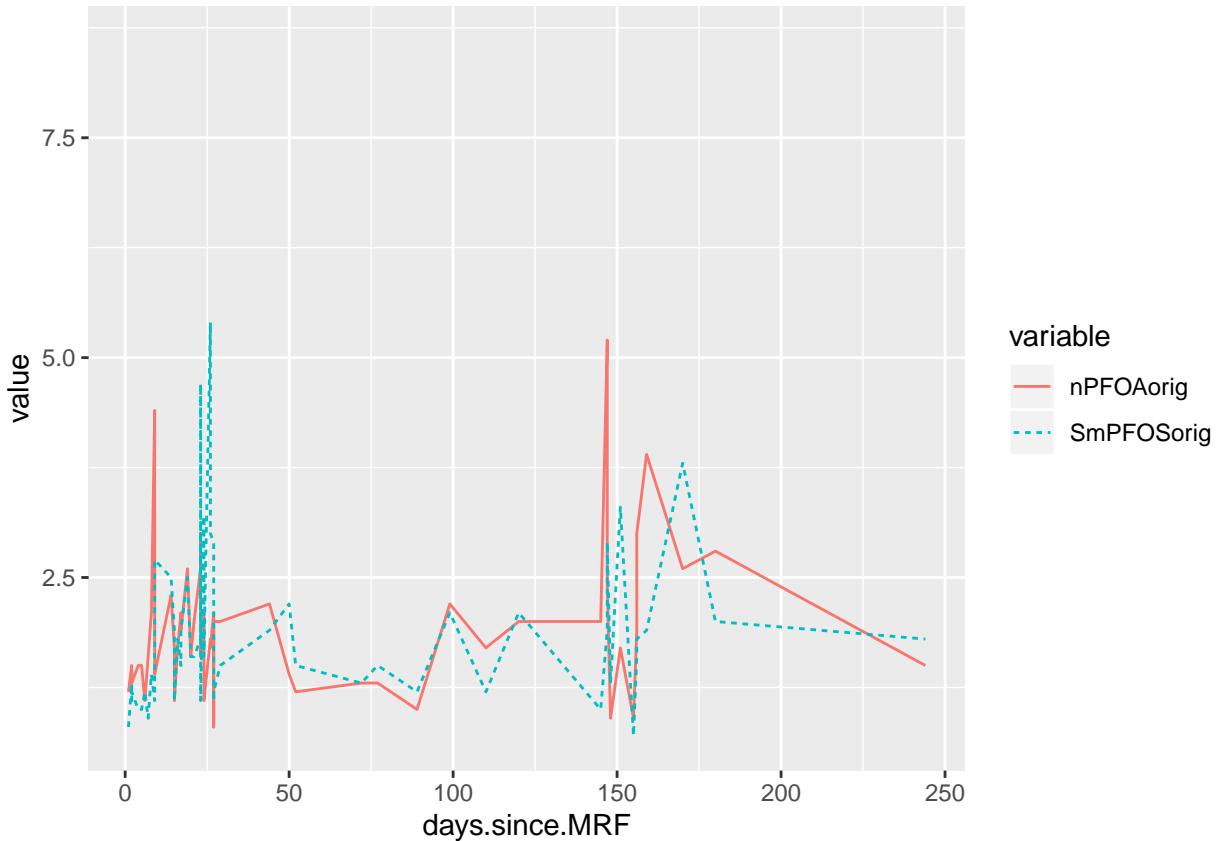
*Amy Nematollahi and Julia Fisher*

*7/10/2020*

Should I remove subject 2009 (missing fire info) from FireTuk?

For the densities, include a color grouping for time (1 or 2). For the scatterplots, include lines between data points from the same person (to get a better understanding of slope). This corresponds to a grouping for each participant ID. We could include an additional grouping for ethnicity by gender if we want or a facet for ethnicity by gender.





```

# For each PFAS create separate models for:
# total structural number fire runs
# total duration
# structural fire duration
# time (in years since baseline)
# time since most recent fire run
# time since MR structural fire
# total number of fireruns

#write a function for different variables

# 6/30: removed women from FireChange, removed interaction term ethn.gen and replaced with Ethnicity
#Had to change the structure of the model statements a bit due to the following error:
#Error in parse(text = trans_model_statement) :
# <text>:1:67: unexpected '='
#1: model_trans <- lm(PFOSAtrans ~ Ethnicity + total.num.firerunsdata =

exp_fxn <- function(dta, orig_outcome, trans_outcome, exp_outcome) {
  orig_model_statement <- paste0("model_orig <- lm(", orig_outcome,
                                 " ~ ", exp_outcome, " + Ethnicity, data = dta)")
  eval(parse(text = orig_model_statement))
  trans_model_statement <- paste0("model_trans <- lm(", trans_outcome,
                                 " ~ ", exp_outcome, " + Ethnicity, data = dta)")
  eval(parse(text = trans_model_statement))
  out <- list(model_orig = model_orig,
              model_trans = model_trans)
}

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analytes <- c("PFOSA", "nPFOA", "nPFOS", "PFDEA", "PFHXS", "PFNA", "PFUA", "SbPFOA", "SmPFOS")
exposures <- c("total.num.fireruns", "str.num.fireruns", "total.duration.hrs", "str.duration.hrs",
              "days.since.MRF", "days.since.struc.MRF", "time.since.baseline")
model_list <- list()
mean.change <- data.frame(Ethnicity = as.character(),
                           emmean = as.numeric(),
                           lower.CL = as.numeric(),
                           upper.CL = as.numeric(),
                           exposure = as.character(),
                           analyte = as.character(),
                           stringsAsFactors = FALSE)

for (analyte in analytes) {
  for (exposure in exposures) {
    orig_var <- paste0(analyte, "orig")
    trans_var <- paste0(analyte, "trans")
    out_info <- exp_fxn(FireChange, orig_var, trans_var, exposure)
    ggarrange(plot(resid(out_info$model_orig) ~ fitted(out_info$model_orig)) + abline(h = 0),
              plot(resid(out_info$model_trans) ~ fitted(out_info$model_trans)) + abline(h = 0),
              qqnorm(resid(out_info$model_orig)),
              qqnorm(resid(out_info$model_trans)),
              nrow = 2, ncol = 2)
    stargazer(out_info$model_trans)
  }
}

for (analyte in analytes) {
  model_list[[analyte]] <- list()
  for (exposure in exposures) {
    orig_var <- paste0(analyte, "orig")
    trans_var <- paste0(analyte, "trans")
    out_info <- exp_fxn(FireChange2, orig_var, trans_var, exposure)
    model_list[[analyte]][[exposure]] <- out_info
    meanNH <- mean(FireChange2 %>% filter(Ethnicity == 'Non-hispanic') %>% .[, exposure], na.rm = TRUE)
    meanH <- mean(FireChange2 %>% filter(Ethnicity == 'Hispanic') %>% .[, exposure], na.rm = TRUE)
    NH.mean.change <- eval(parse(text = paste0("emmeans(model_list[[analyte]][[exposure]]$model_orig, '",
                                              "summary() %>%",
                                              "filter(Ethnicity == \"Non-hispanic\")")))
    H.mean.change <- eval(parse(text = paste0("emmeans(model_list[[analyte]][[exposure]]$model_orig, '",
                                              "summary() %>%",
                                              "filter(Ethnicity == \"Hispanic\")"))
    mean.change <- rbind(mean.change,
                          rbind(H.mean.change, NH.mean.change) %>%
                            mutate(exposure = exposure,
                                   analyte = analyte) %>%
                            dplyr::select(-SE, -df))
  }
}

# print(ggarrange(plot(resid(out_info$model_orig) ~ fitted(out_info$model_orig)) + abline(h = 0),
#                 plot(resid(out_info$model_trans) ~ fitted(out_info$model_trans)) + abline(h = 0),
#                 qqnorm(resid(out_info$model_orig)),
#                 qqnorm(resid(out_info$model_trans)),

```

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#           nrow = 2, ncol = 2))
stargazer(model_list[[analyte]][[exposures[1]]]$model_orig,
           model_list[[analyte]][[exposures[2]]]$model_orig,
           model_list[[analyte]][[exposures[3]]]$model_orig,
           model_list[[analyte]][[exposures[4]]]$model_orig,
           title = "PFAS Change Score Model Results (No Transformation)",
           single.row = FALSE, header = FALSE,
           omit.stat = c("f", "ser"), report = "vctp*",
           intercept.bottom = FALSE, intercept.top = TRUE,
           digits = 3, font.size = "scriptsize")
stargazer(model_list[[analyte]][[exposures[5]]]$model_orig,
           model_list[[analyte]][[exposures[6]]]$model_orig,
           model_list[[analyte]][[exposures[7]]]$model_orig,
           title = "PFAS Change Score Model Results (No Transformation)",
           single.row = FALSE, header = FALSE,
           omit.stat = c("f", "ser"), report = "vctp*",
           intercept.bottom = FALSE, intercept.top = TRUE,
           digits = 3, font.size = "scriptsize")
}

true.mean <- mean.change %>%
  filter(exposure == 'str.num.fireruns') %>%
  left_join(mean.frame, by = c("Ethnicity", "analyte")) # You should compare these to the scatterplots

# theme.my.own <- function(){
#   theme_bw() +
#   theme(axis.text.x = element_text(size = 12, angle = 45, vjust = 1, hjust = 1),
#         axis.text.y = element_text(size = 12),
#         axis.title.x = element_text(size = 14, face = "plain"),
#         axis.title.y = element_text(size = 14, face = "plain"),
#         panel.grid.major.x = element_blank(),
#         panel.grid.minor.x = element_blank(),
#         panel.grid.minor.y = element_blank(),
#         panel.grid.major.y = element_blank(),
#         plot.margin = unit(c(0.5, 0.5, 0.5, 0.5), units = , "cm"),
#         plot.title = element_text(size = 20, vjust = 1, hjust = 0.5),
#         legend.text = element_text(size = 12, face = "italic"),
#         legend.title = element_blank(),
#         legend.position = c(0.9, 0.9))
# }

pfas.list <- c("PFOSAorig", "nPFOAorig", "nPFOSorig", "PFDEAorig", "PFHXSorig", "PFNAorig", "PFUAorig",
              "SbPFOAorig", "SmPFOSorig")
pfastrans.list <- c("PFOSAtrans", "nPFOAtrans", "nPFOStrans", "PFDEAtrans", "PFHXStrans",
                     "PFNAtrans", "PFUAtrans", "SbPFOAtrans", "SmPFOStrans")
fire.list <- c("total.num.fireruns", "str.num.fireruns", "total.duration.hrs", "str.duration.hrs",
               "days.since.MRF", "days.since.struc.MRF", "time.since.baseline")

change_plot_fxn <- function(df, pfas, pfas.trans, fire.var) {
  pfas_orig <- paste0("pfasmld <- lm(", pfas, " ~ ", fire.var, " + Ethnicity, data = df)")
  eval(parse(text = pfas_orig))
  pfas_trans <- paste0("transmdl <- lm(", pfas.trans, " ~ ", fire.var, " + Ethnicity, data = df)")
  eval(parse(text = pfas_trans))
}

```

```

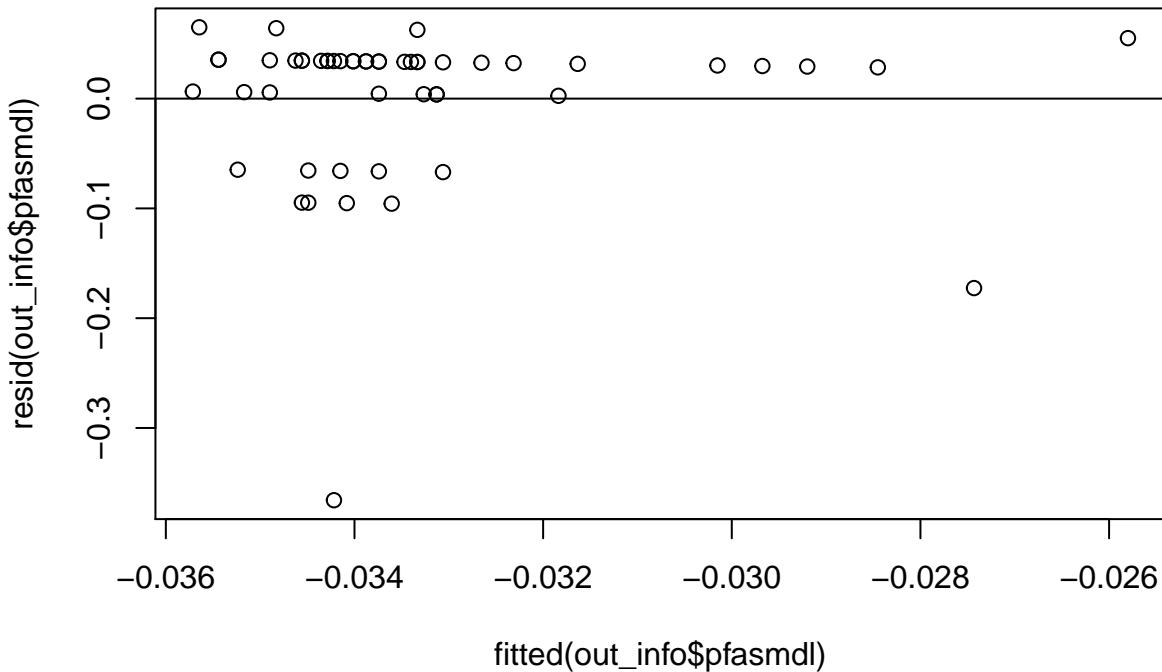
out <- list(pfasmld = pfasmld,
            transmdl = transmdl)
}

for (pfas in pfas.list) {
  pfas.name <- pfas
  for (pfas.trans in pfastrans.list) {
    Tpfas.name <- pfas.trans
    for (fire.var in fire.list) {
      fire.name <- fire.var
      out_info <- change_plot_fxn(FireChange2, pfas, pfas.trans, fire.var)

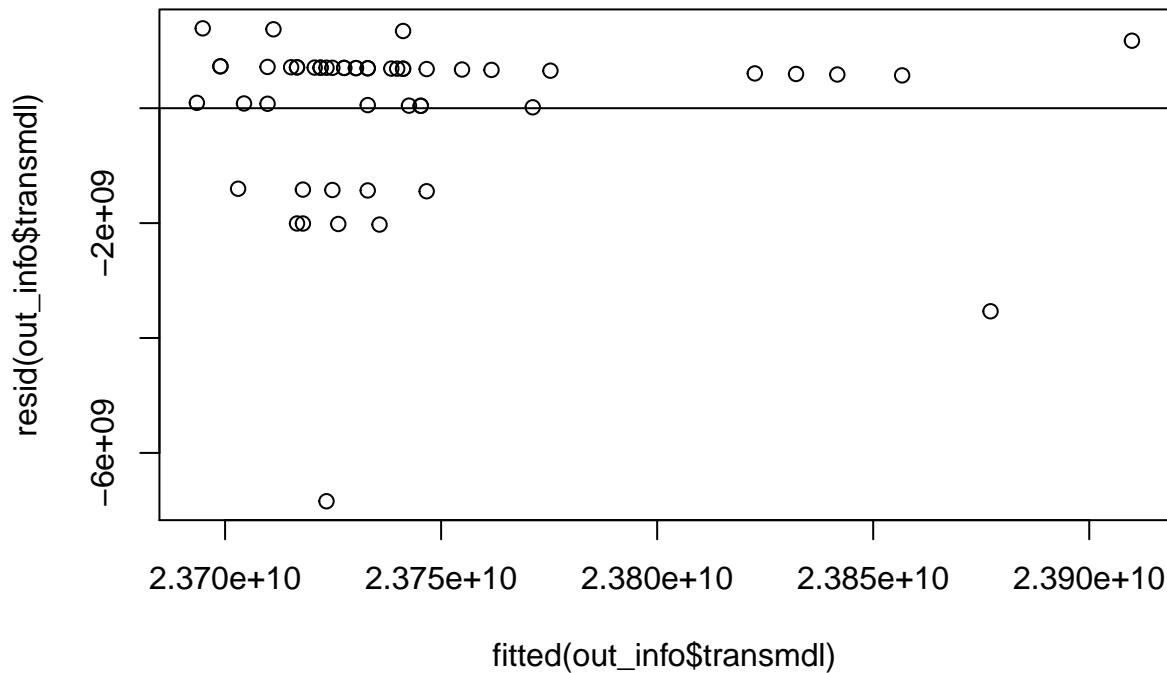
      #FItted vs. residuals
      ggarrange(plot(resid(out_info$pfasmld) ~ fitted(out_info$pfasmld),
                     main = paste0("Plot of", out_info$pfasmld$terms[[2]], out_info$pfasmld$terms[[3]])) +
                    abline(h = 0),
                 plot(resid(out_info$transmdl) ~ fitted(out_info$transmdl),
                     main = paste0("Plot of", out_info$transmdl$terms[[2]], out_info$transmdl$terms[[3]])) +
                    abline(h = 0),
                 qnorm(resid(out_info$pfasmld)),
                 qnorm(resid(out_info$transmdl)),
                 nrow = 2, ncol = 2, labels = "auto")
    }
  }
}

```

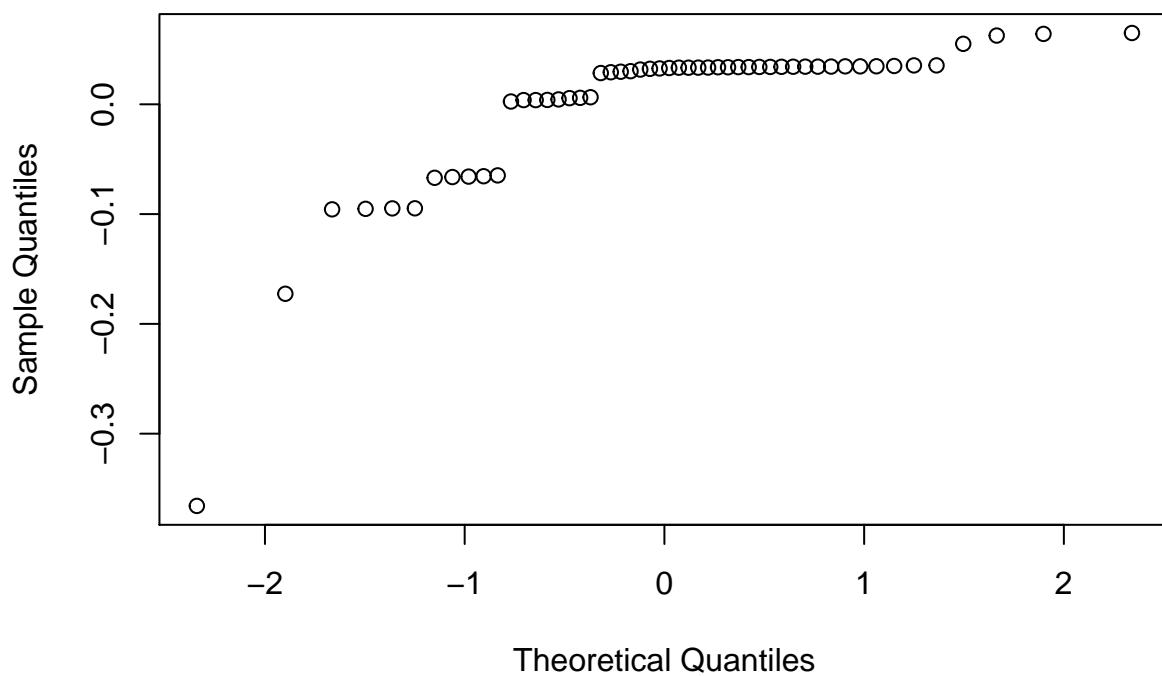
### Plot ofPFOSAorig+ Plot ofPFOSAorigtotal.num.fireruns Plot ofPFOSAorigEthnicity



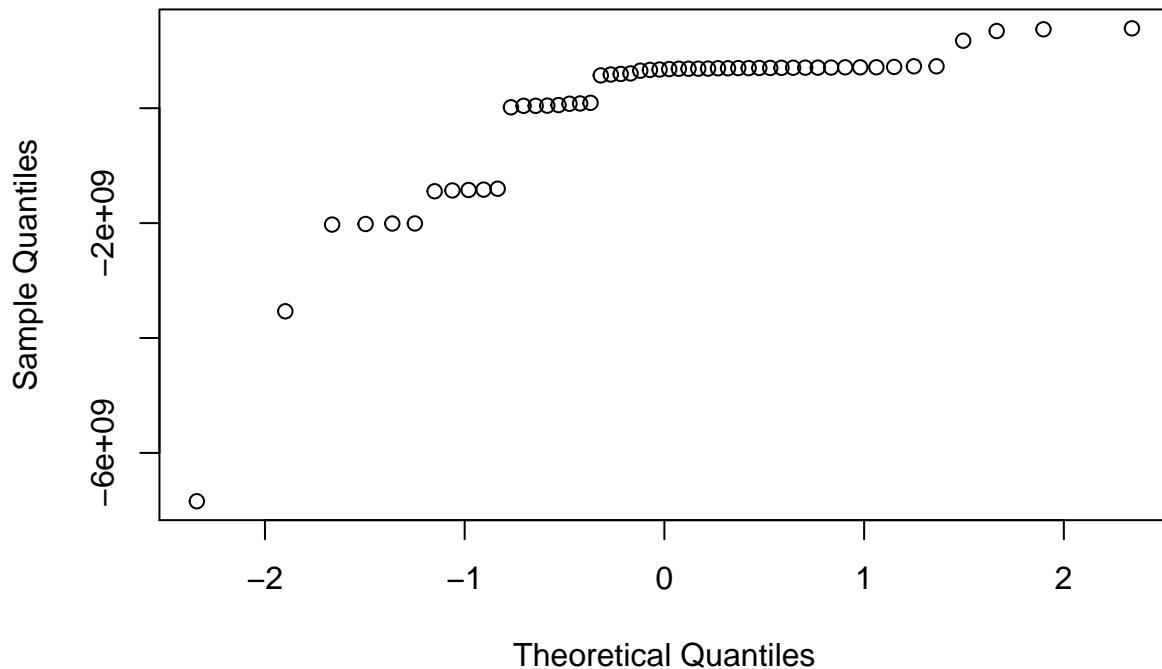
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



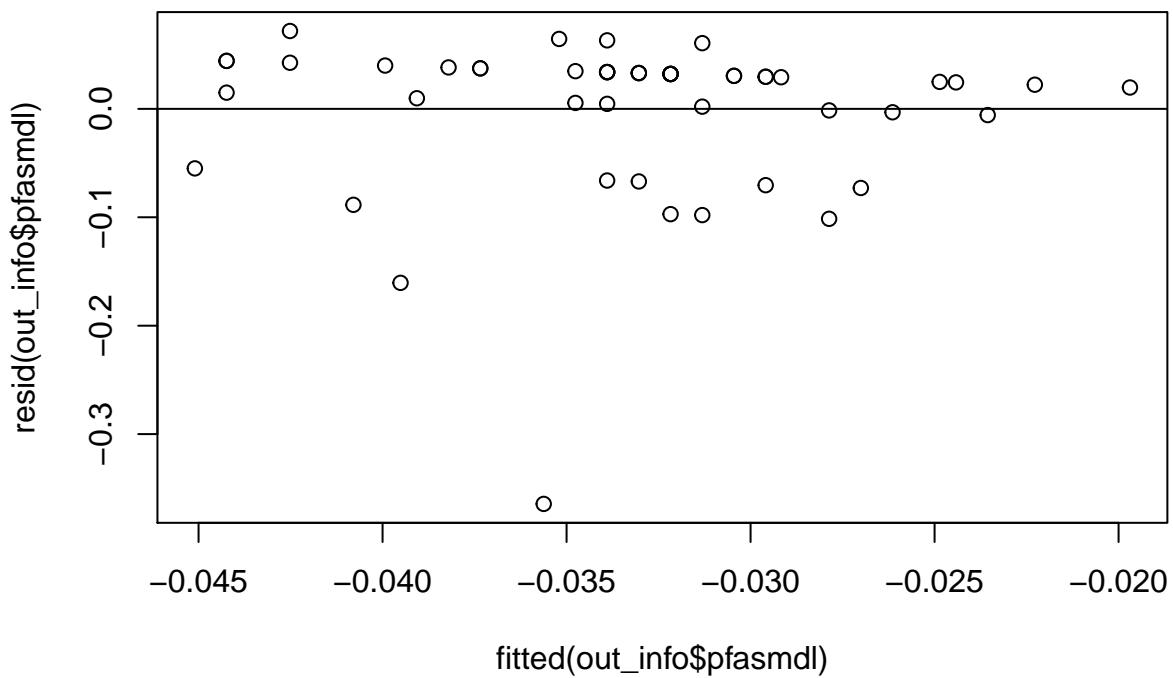
**Normal Q-Q Plot**



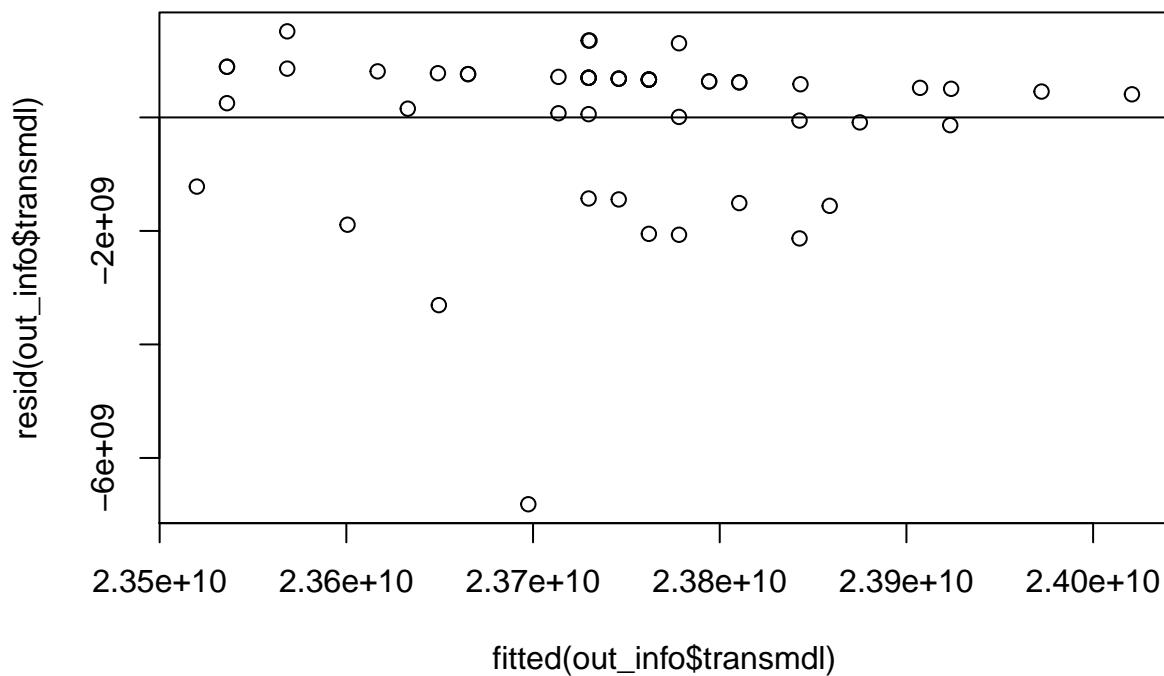
### Normal Q-Q Plot



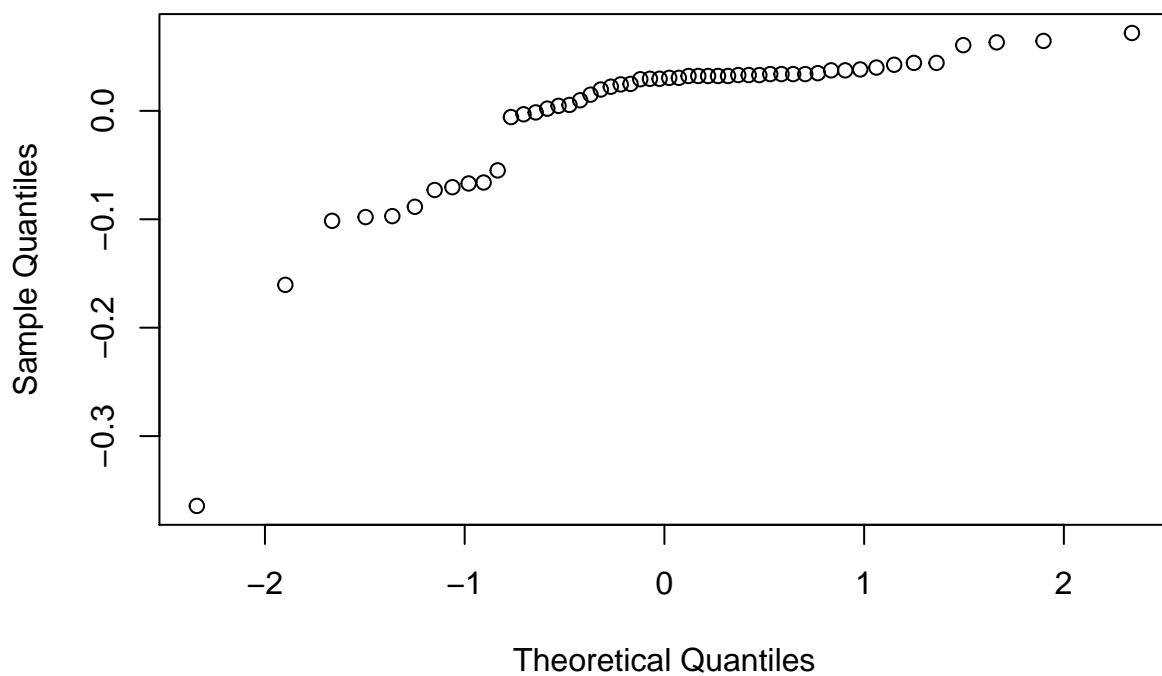
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



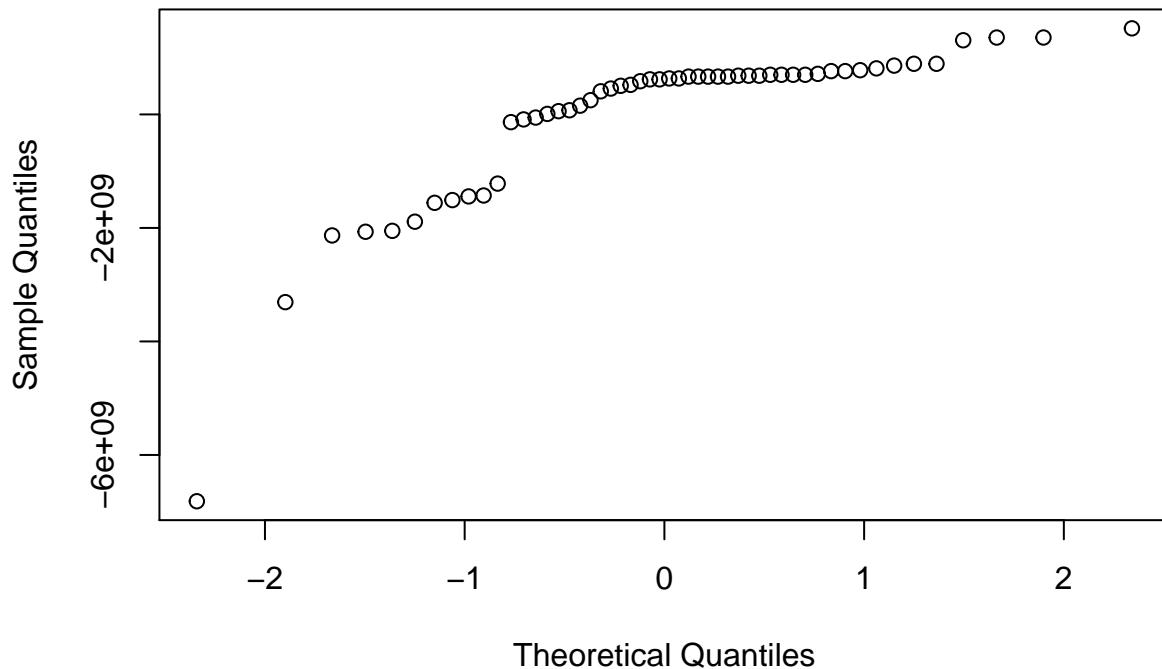
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.num.fireruns  
Plot of PFOSAtransEthnicity**



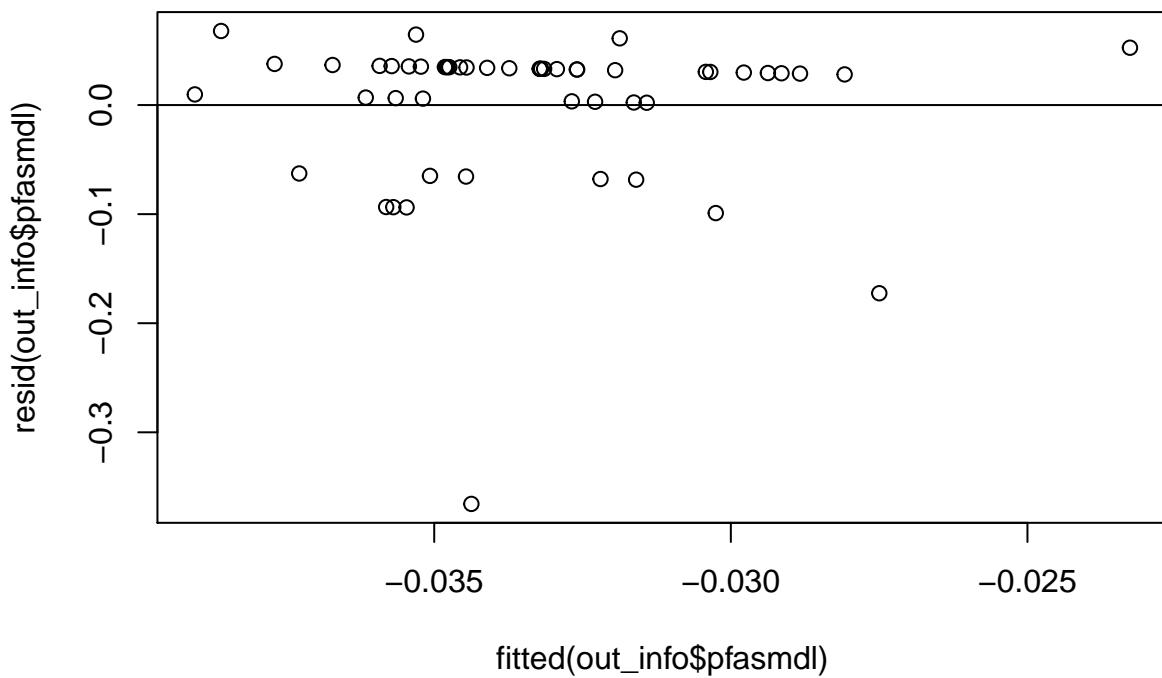
**Normal Q-Q Plot**



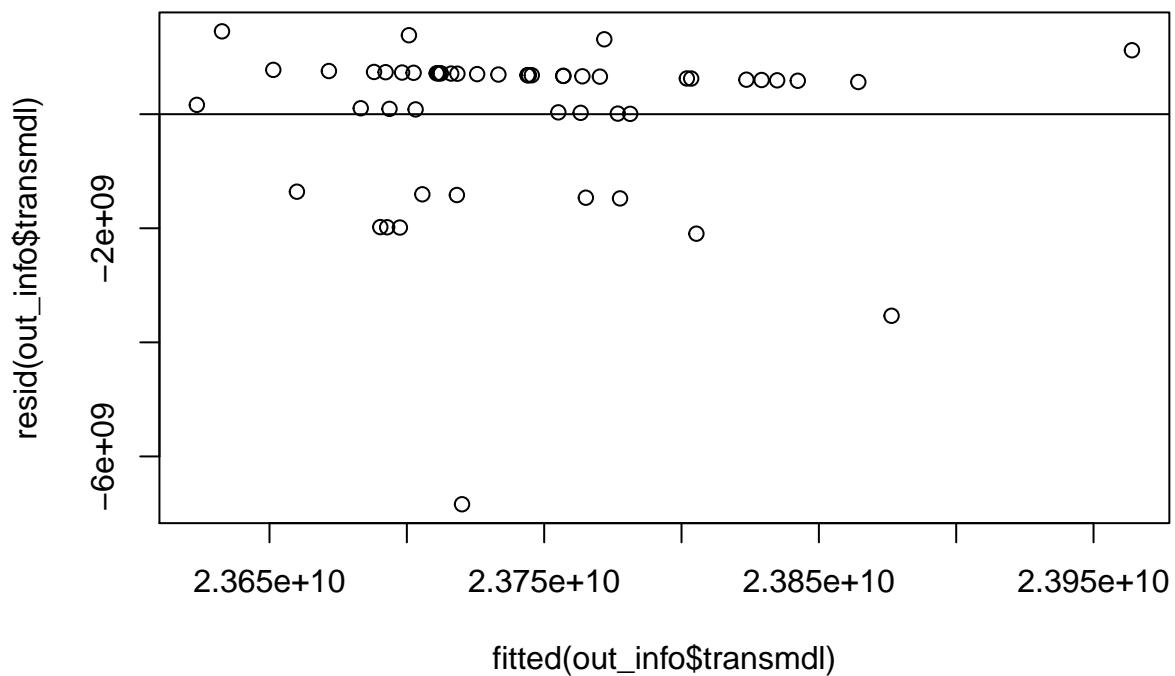
### Normal Q-Q Plot



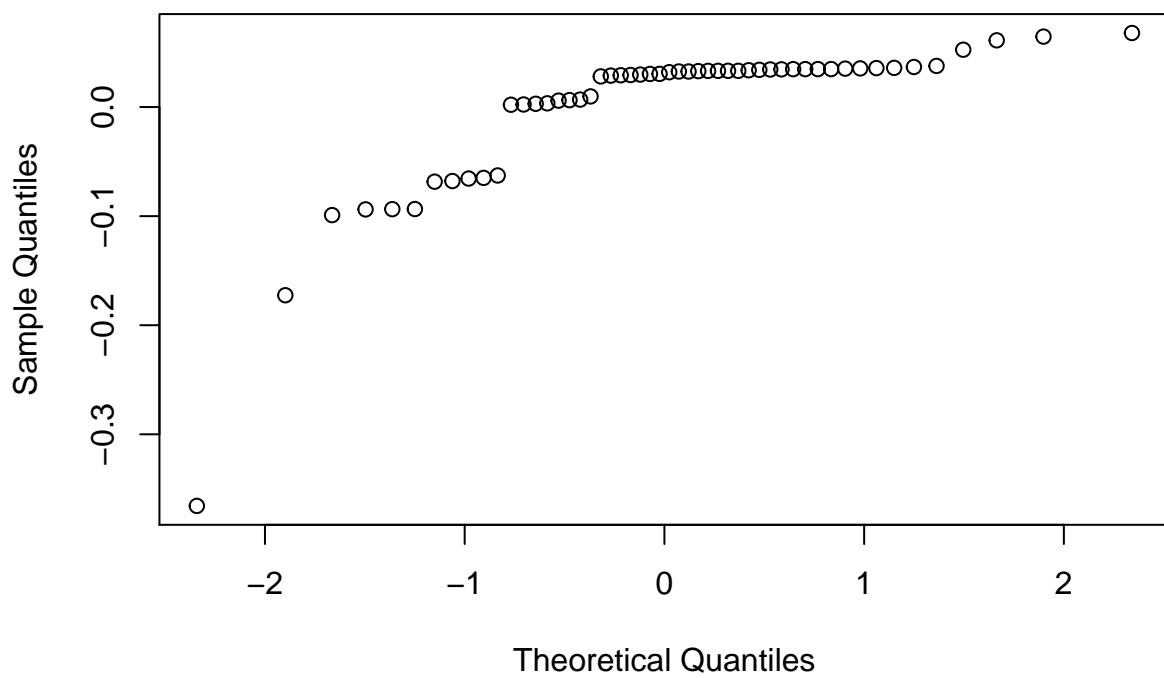
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.duration.hrs  
Plot of PFOSAorigEthnicity



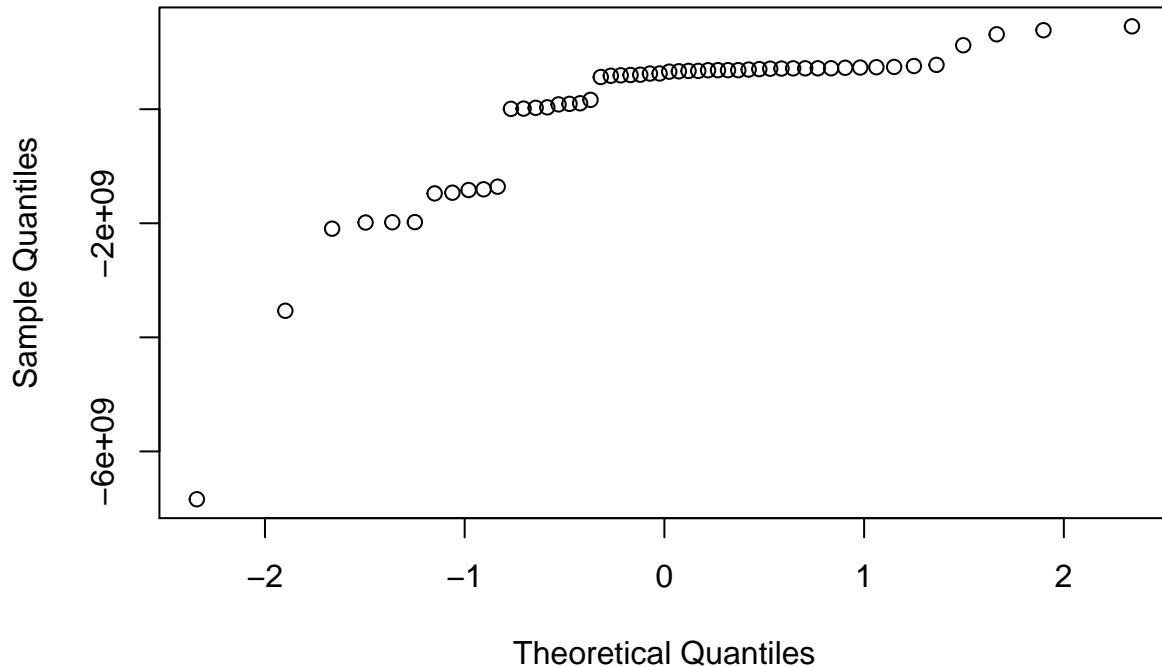
**Plot of PFOSAtrans+  
Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



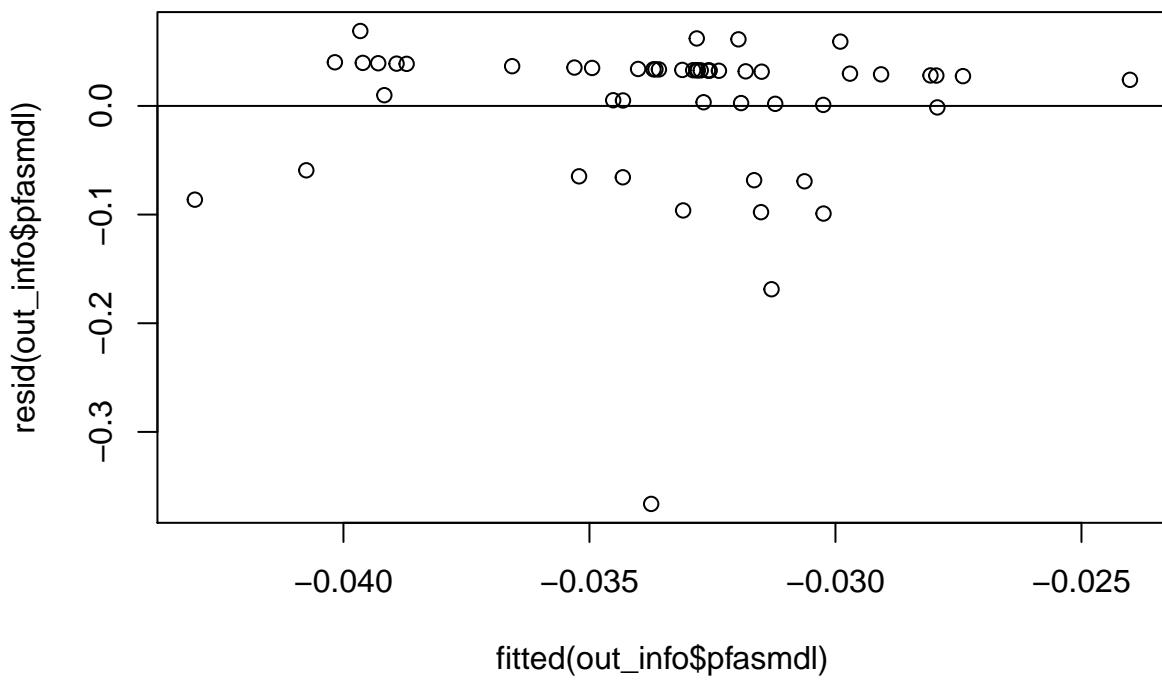
**Normal Q-Q Plot**



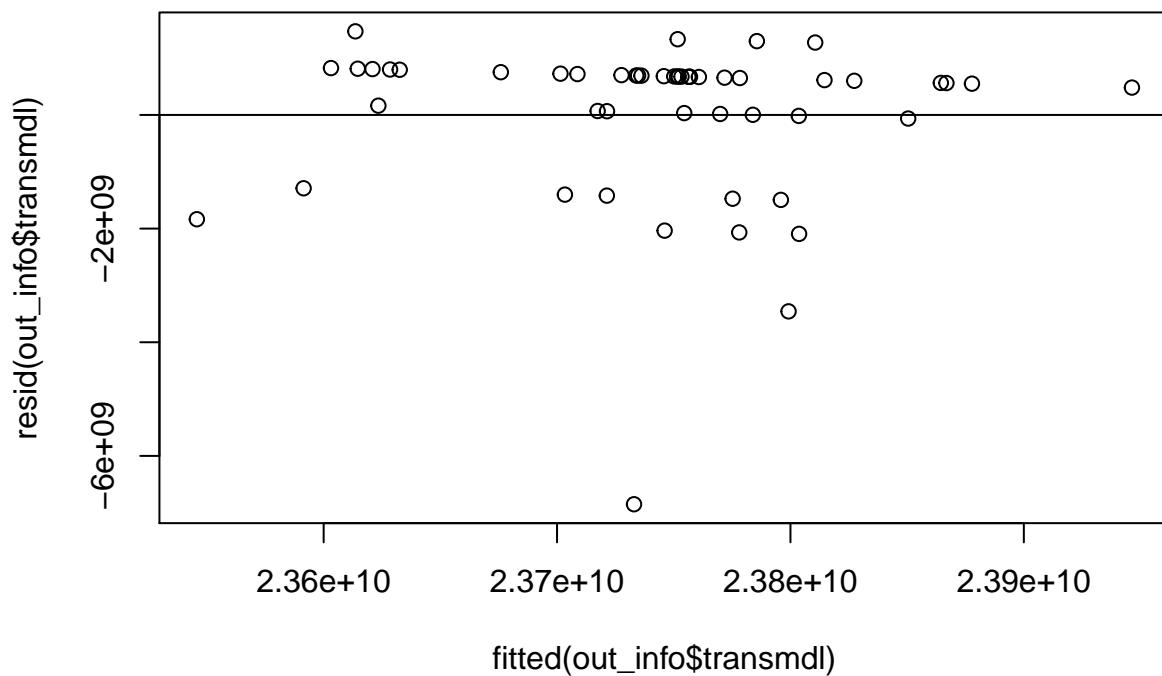
### Normal Q-Q Plot



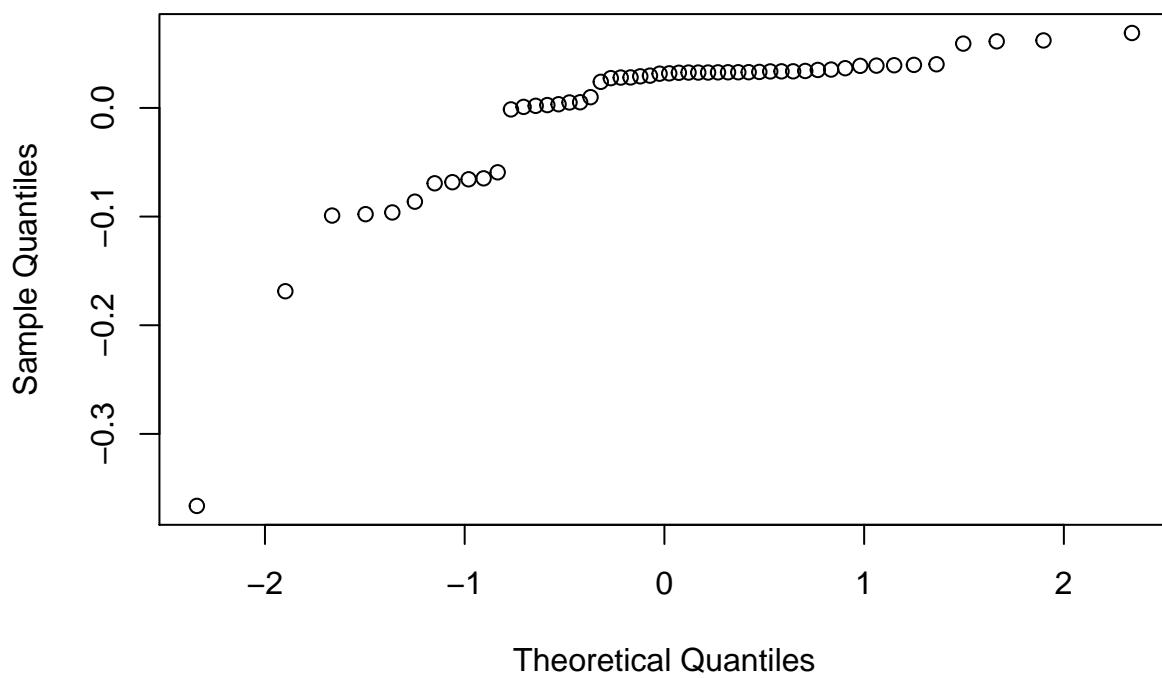
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.duration.hrs  
Plot of PFOSAorigEthnicity**



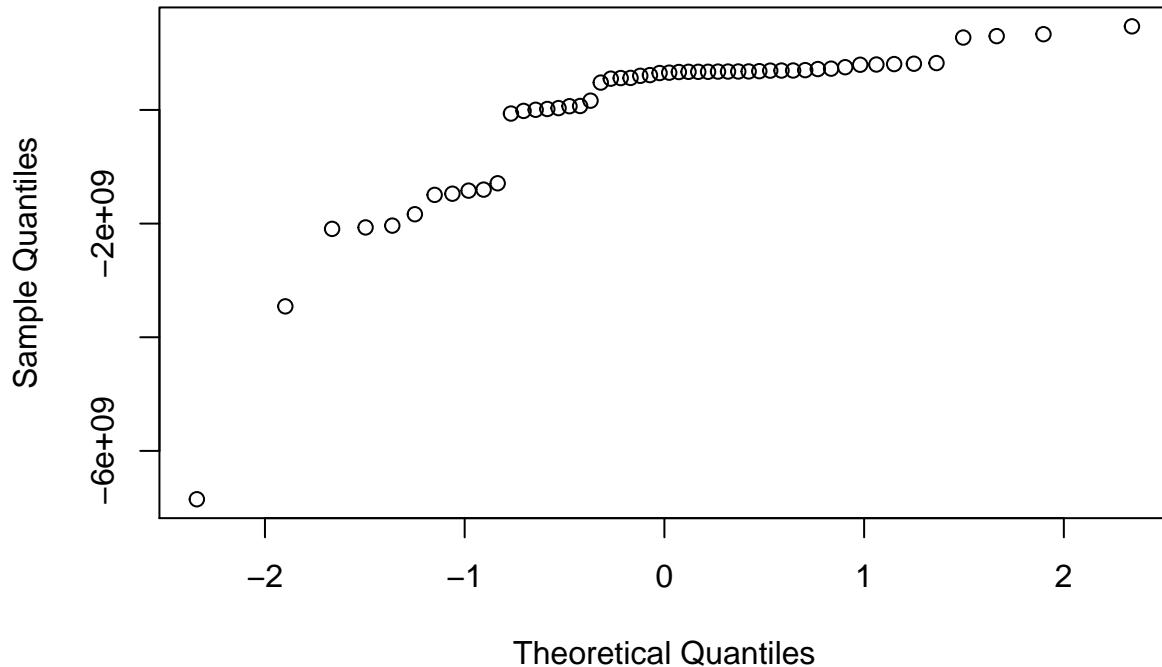
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.duration.hrs  
Plot of PFOSAtransEthnicity**



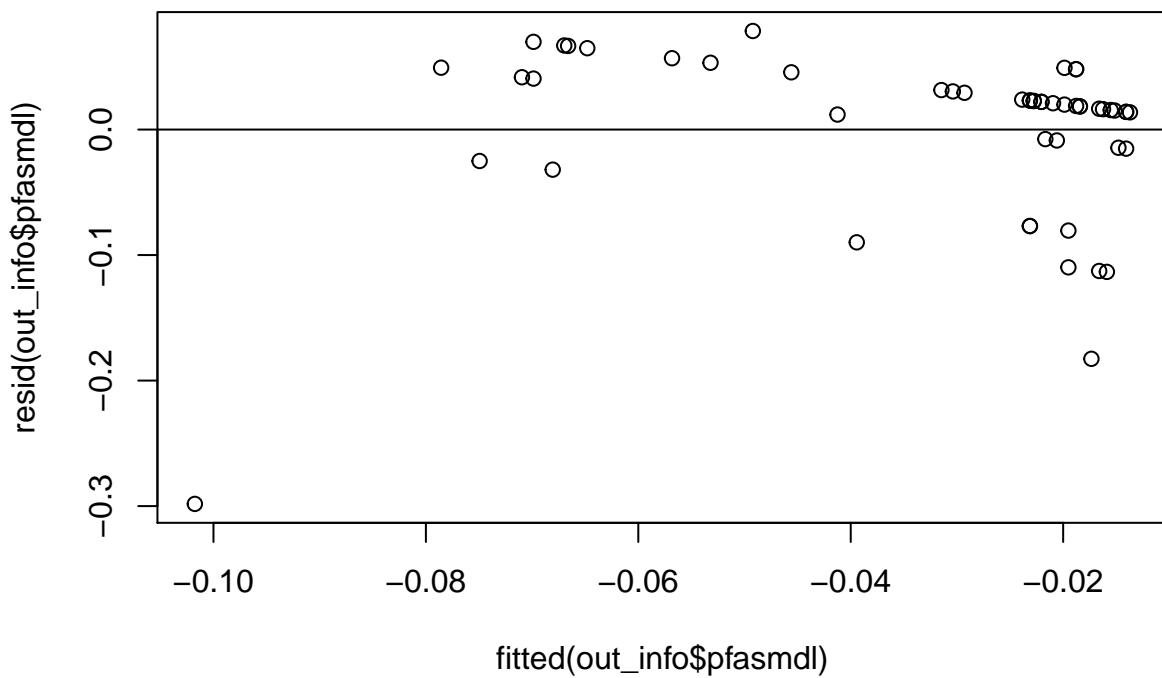
**Normal Q-Q Plot**



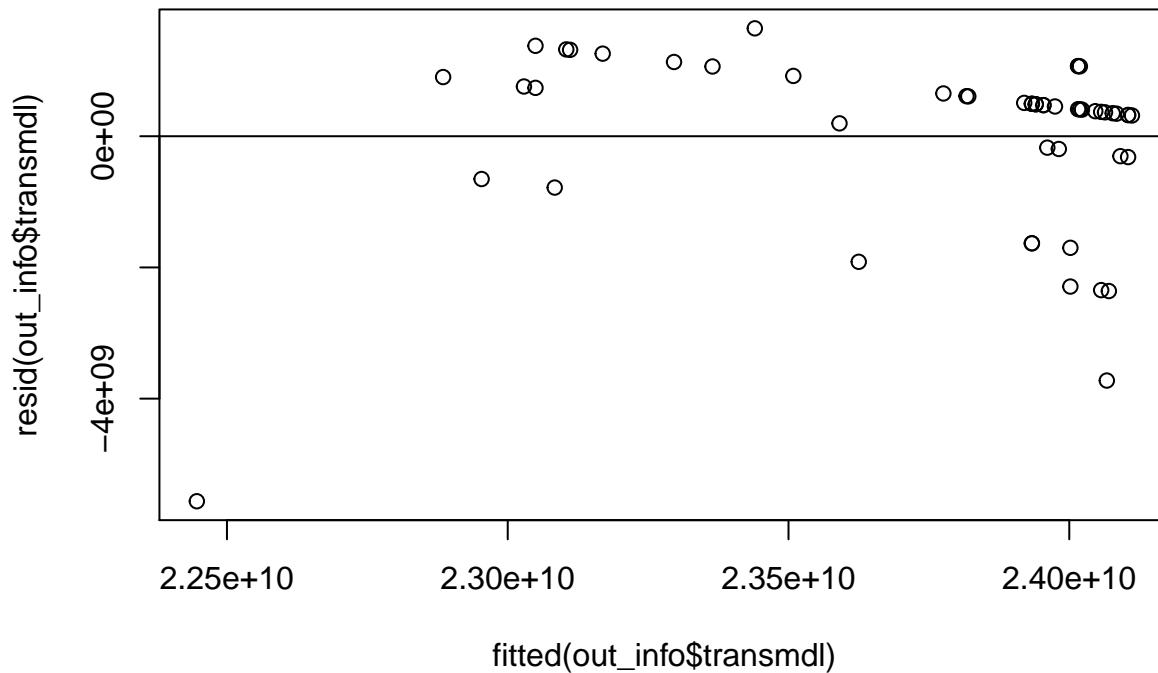
### Normal Q-Q Plot



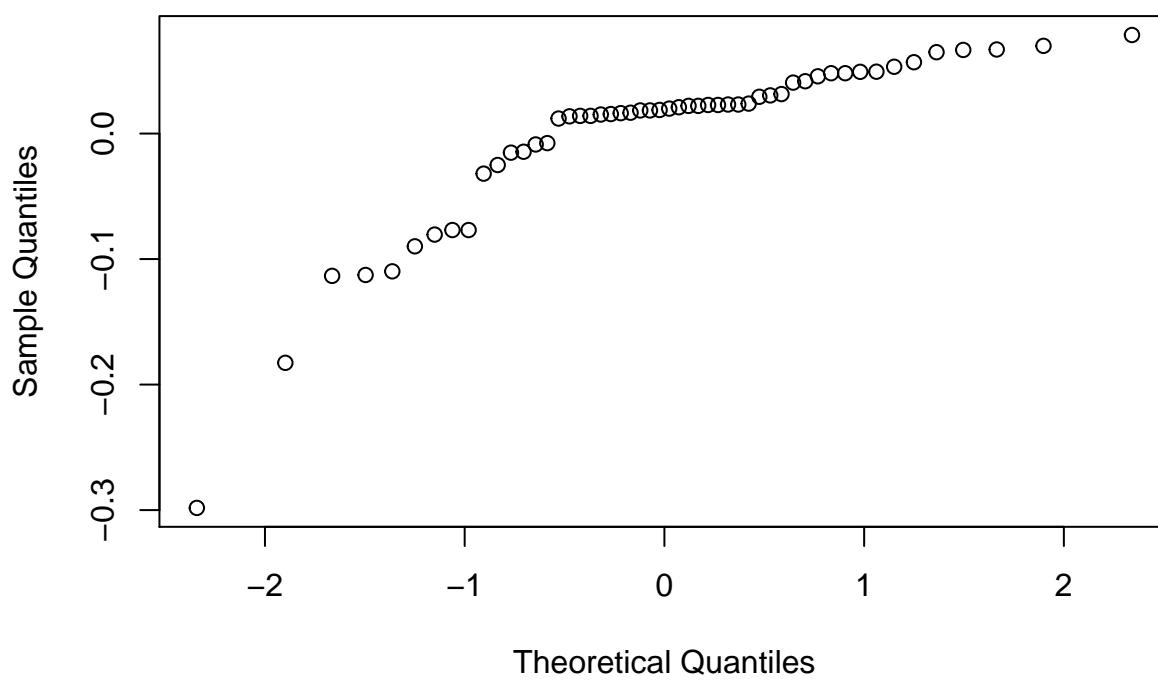
**Plot of PFOSAorig+**  
**Plot of PFOSAorigdays.since.MRF**  
**Plot of PFOSAorigEthnicity**



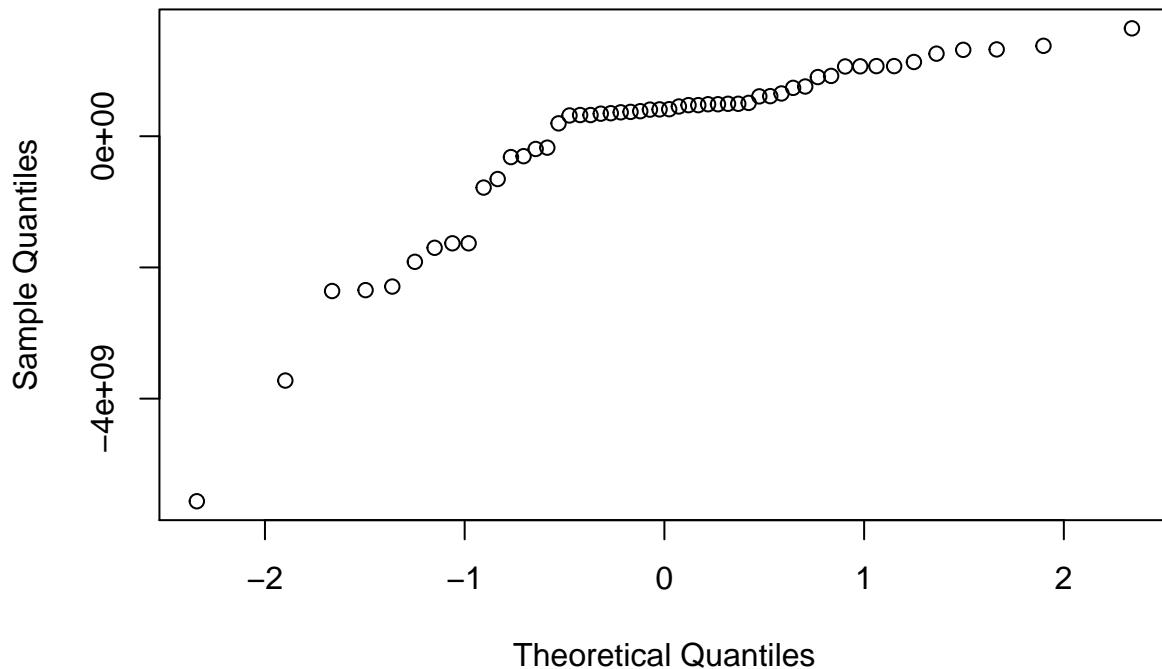
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



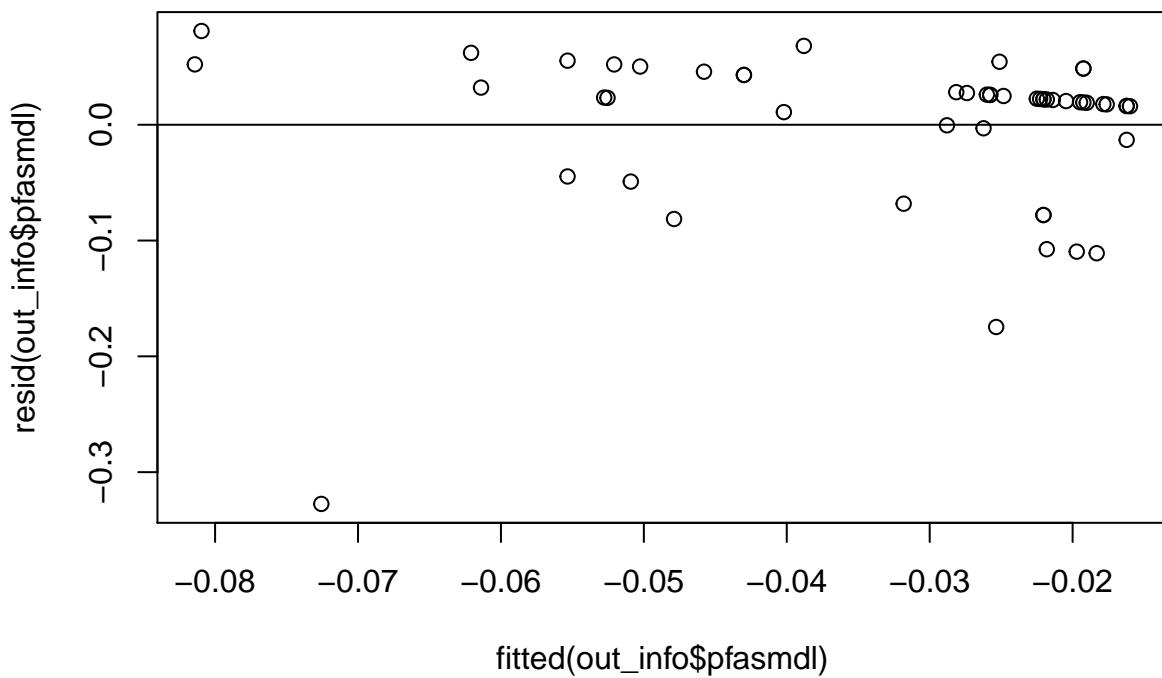
**Normal Q-Q Plot**



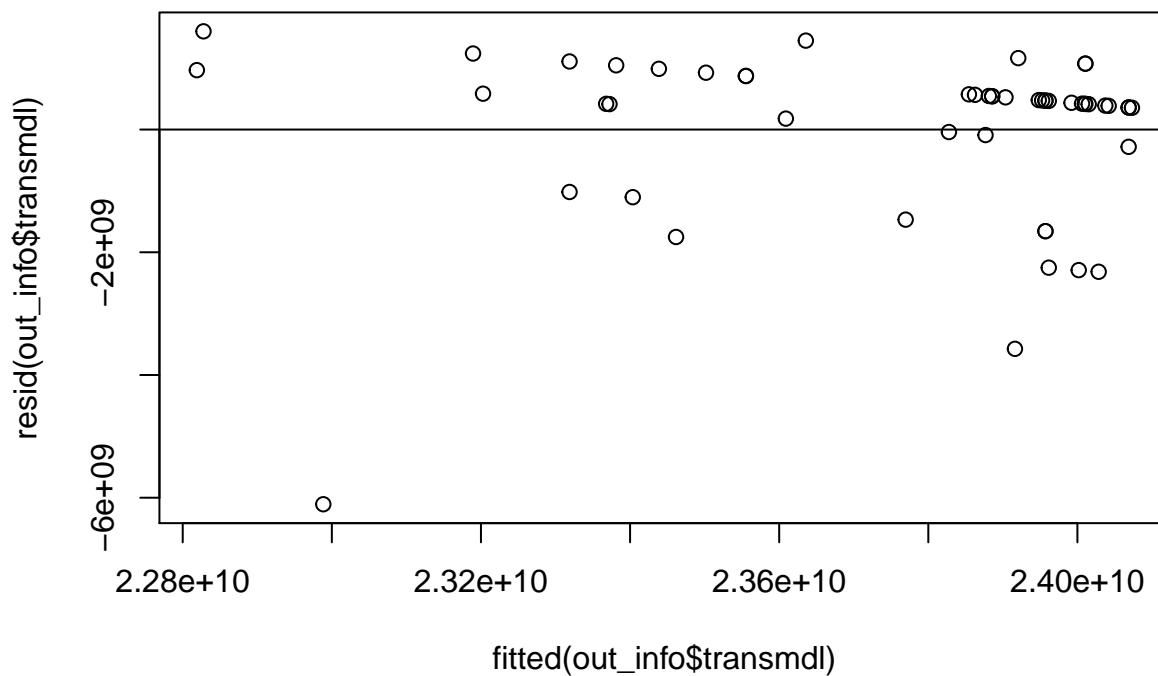
### Normal Q-Q Plot



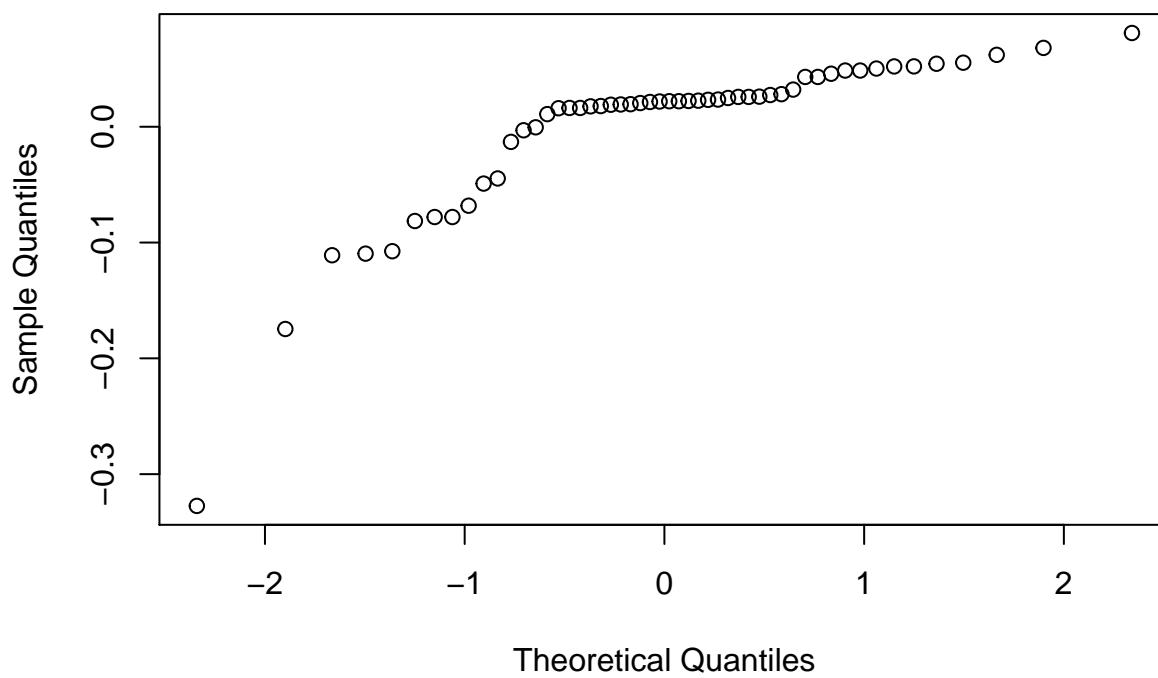
**Plot of PFOSAorig+**  
**Plot of PFOSAorigdays.since.struc.MRF**  
**Plot of PFOSAorigEthnicity**



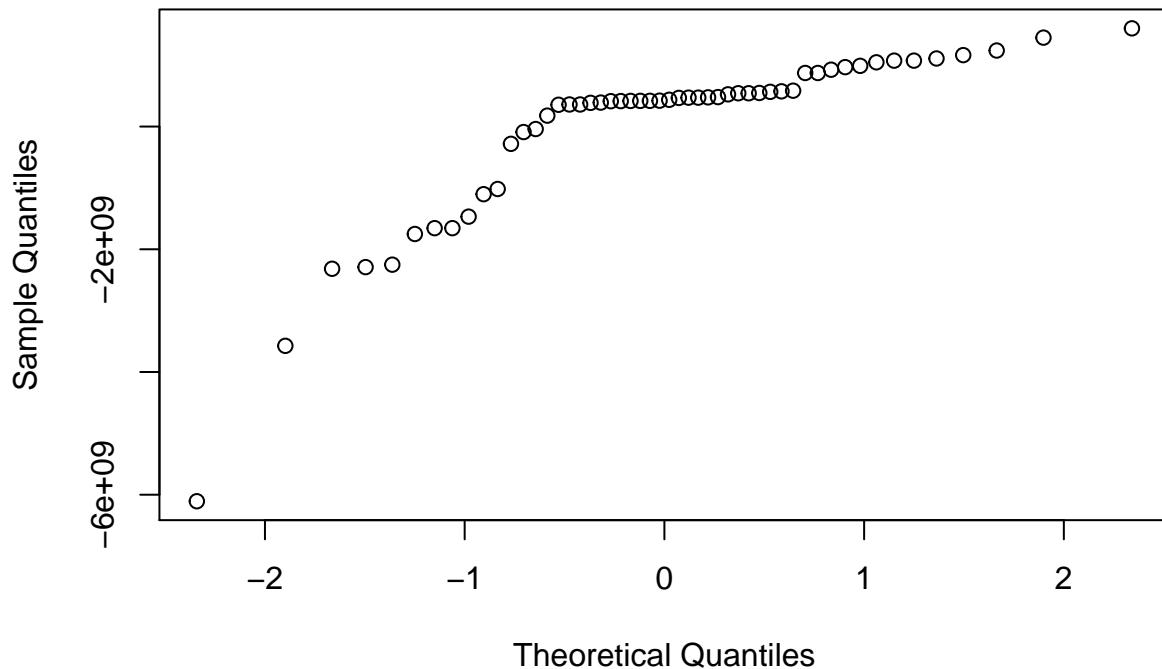
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
Plot of PFOSAtransEthnicity**



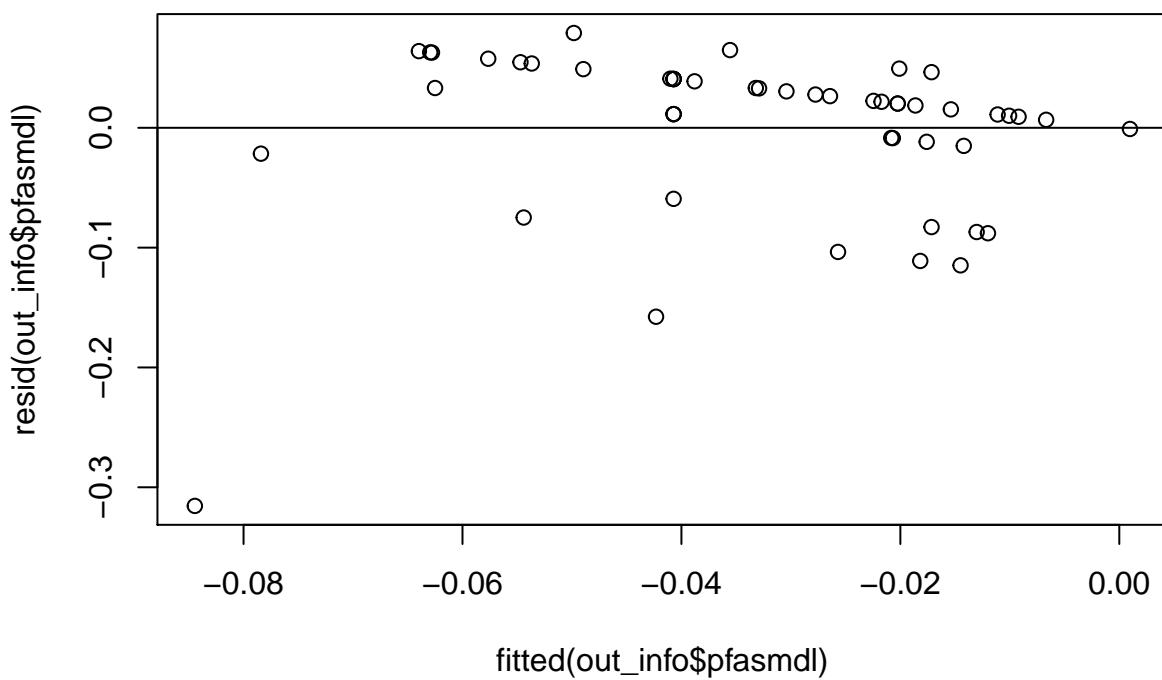
**Normal Q-Q Plot**



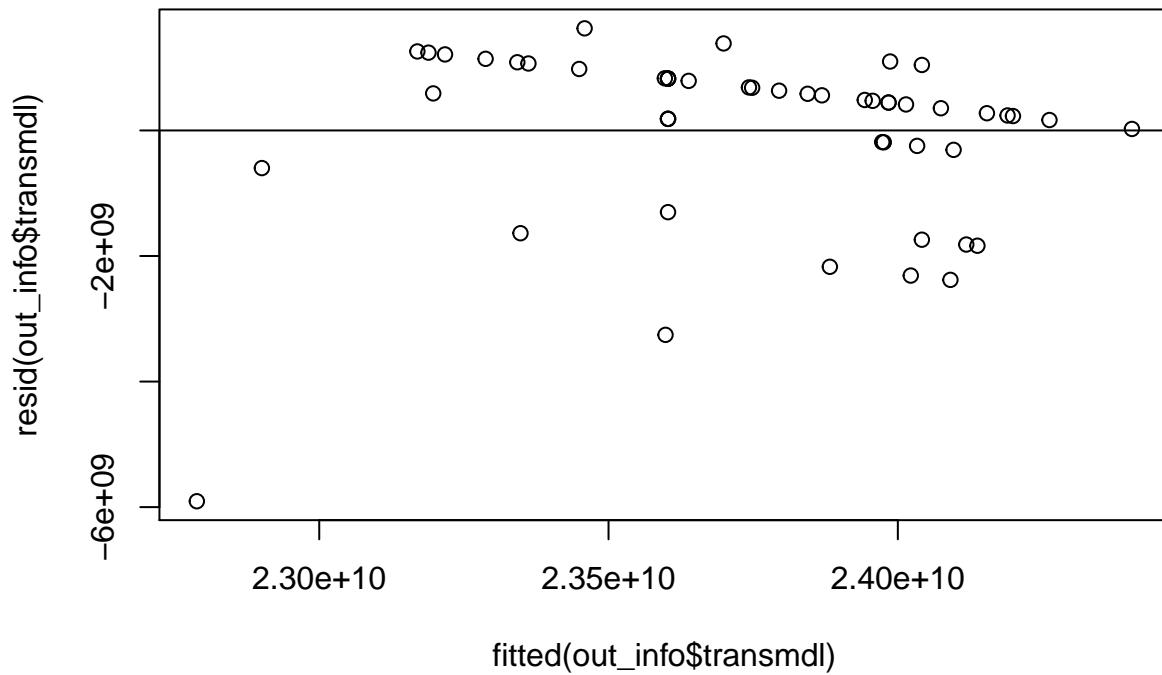
### Normal Q-Q Plot



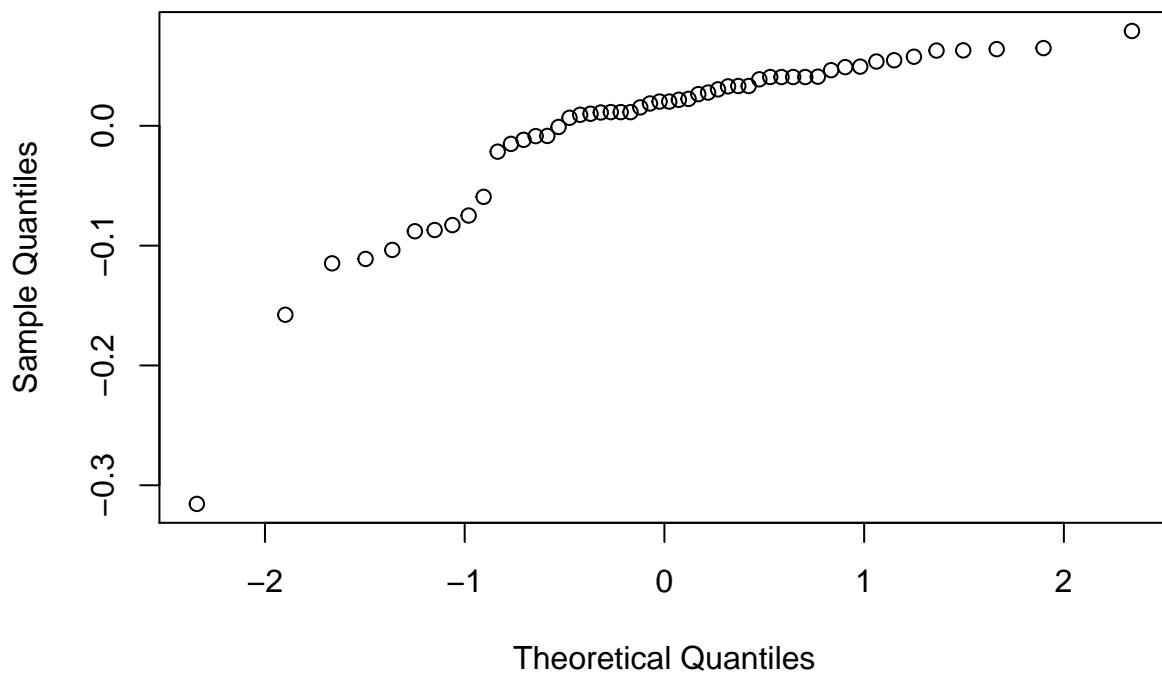
**Plot of PFOSAorig+**  
**Plot of PFOSAorigtime.since.baseline**  
**Plot of PFOSAorigEthnicity**



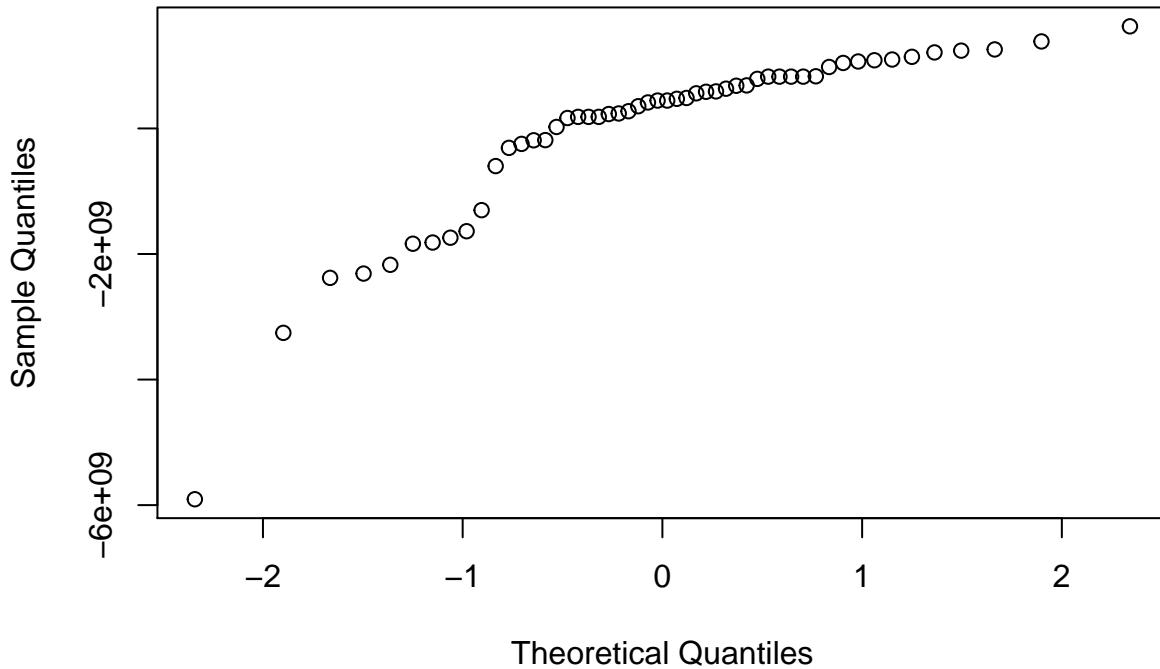
**Plot of PFOSAtrans+  
Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



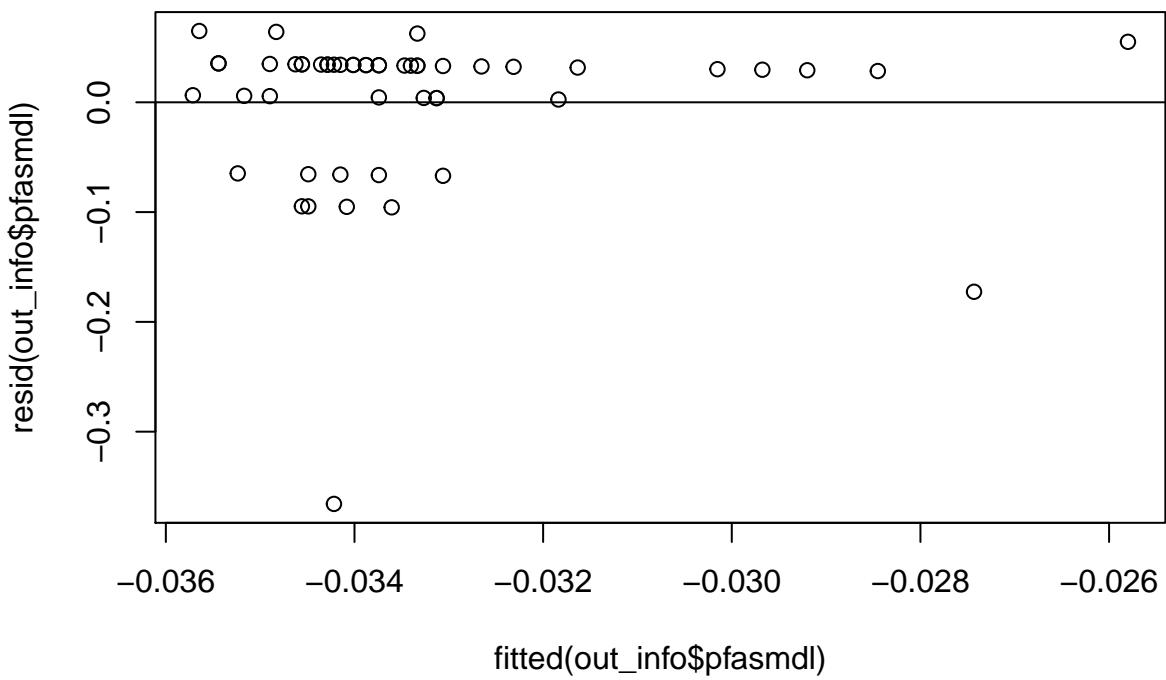
**Normal Q-Q Plot**



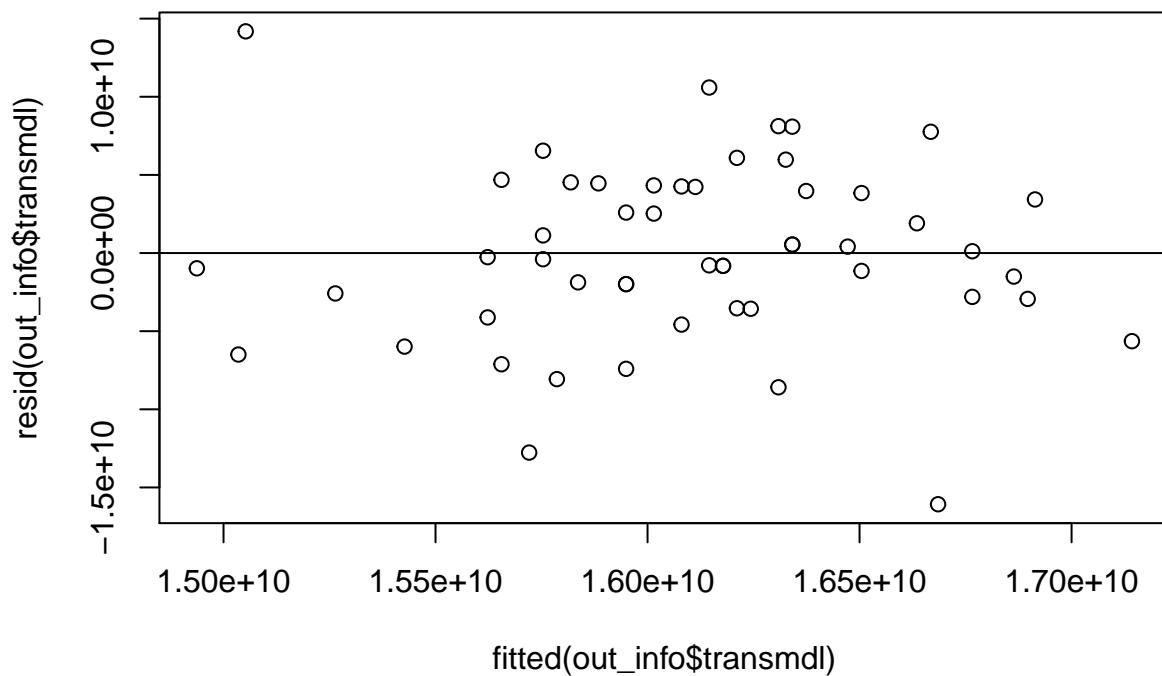
### Normal Q-Q Plot



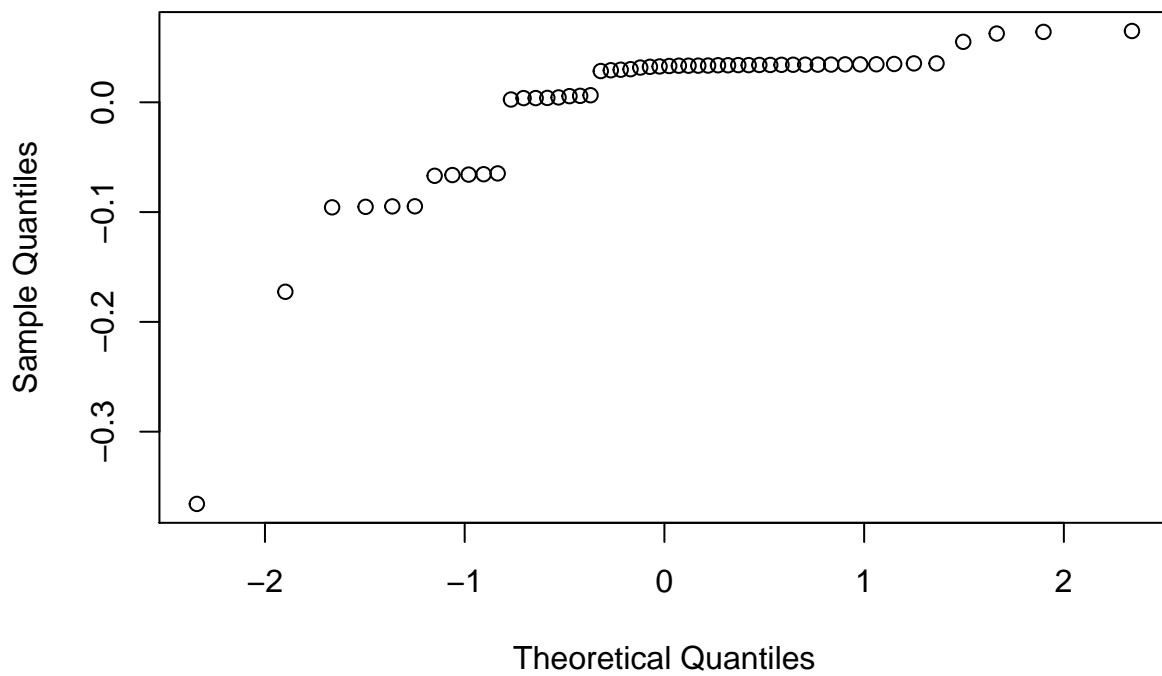
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.num.fireruns  
Plot of PFOSAorigEthnicity



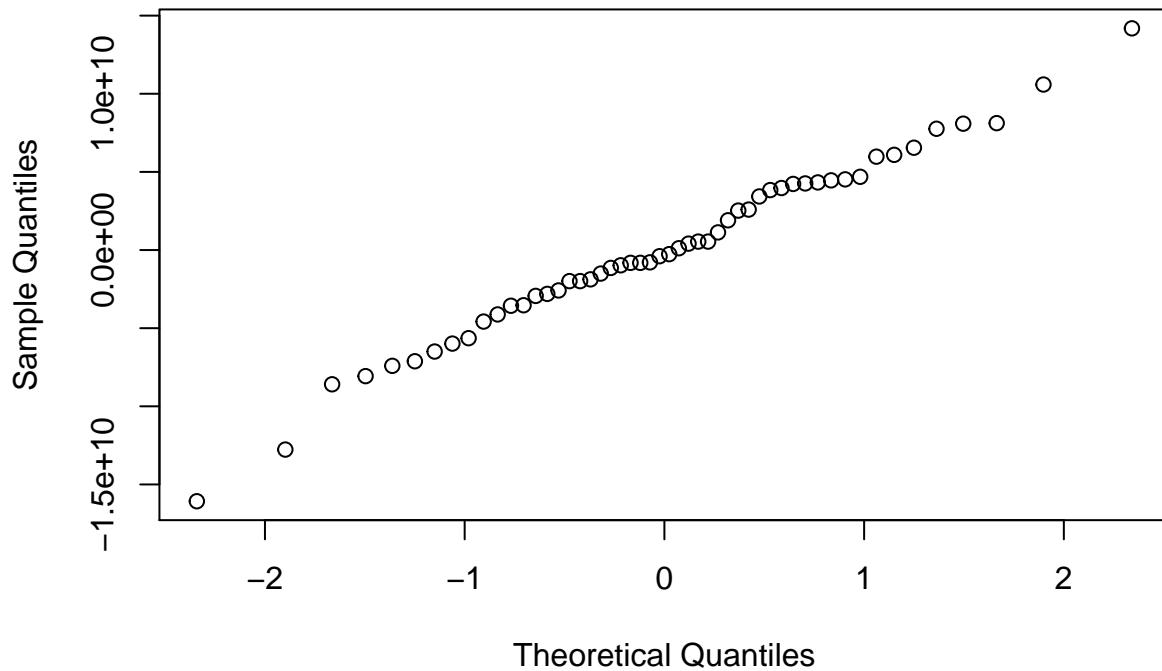
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



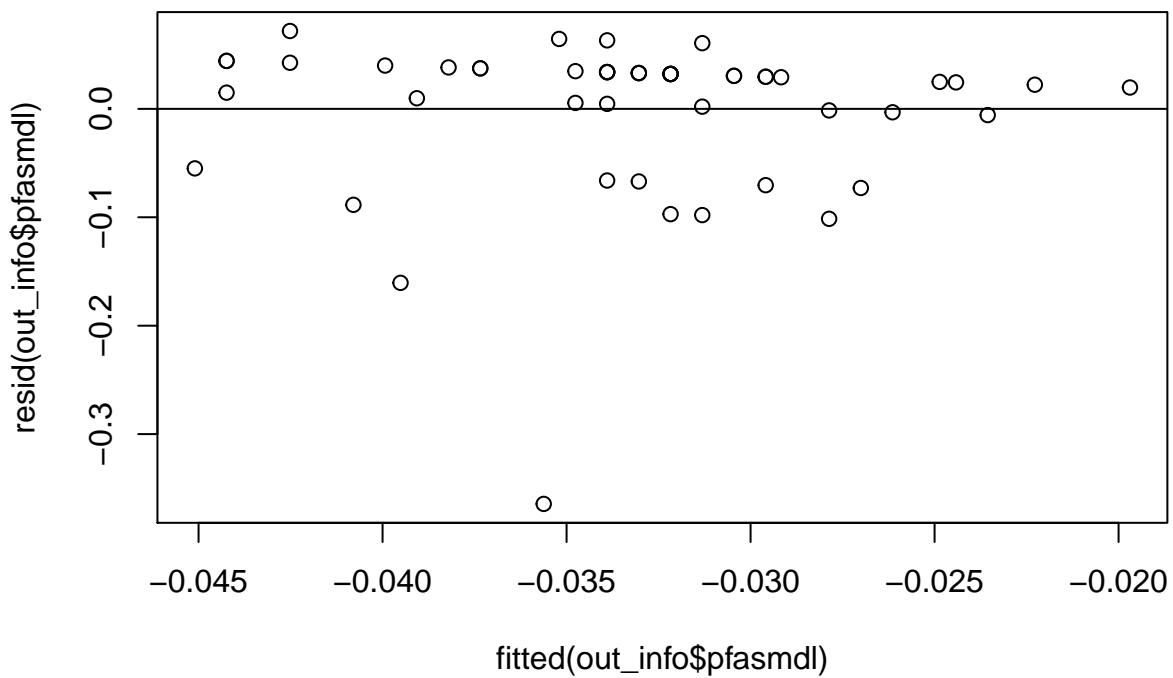
**Normal Q-Q Plot**



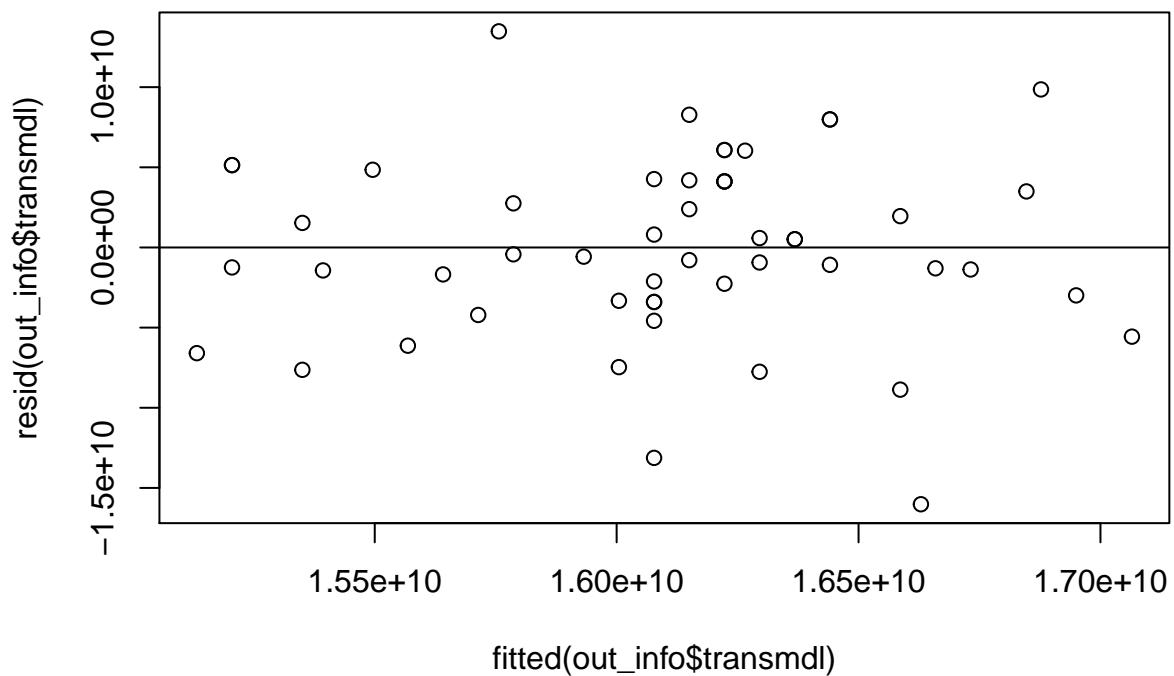
### Normal Q-Q Plot



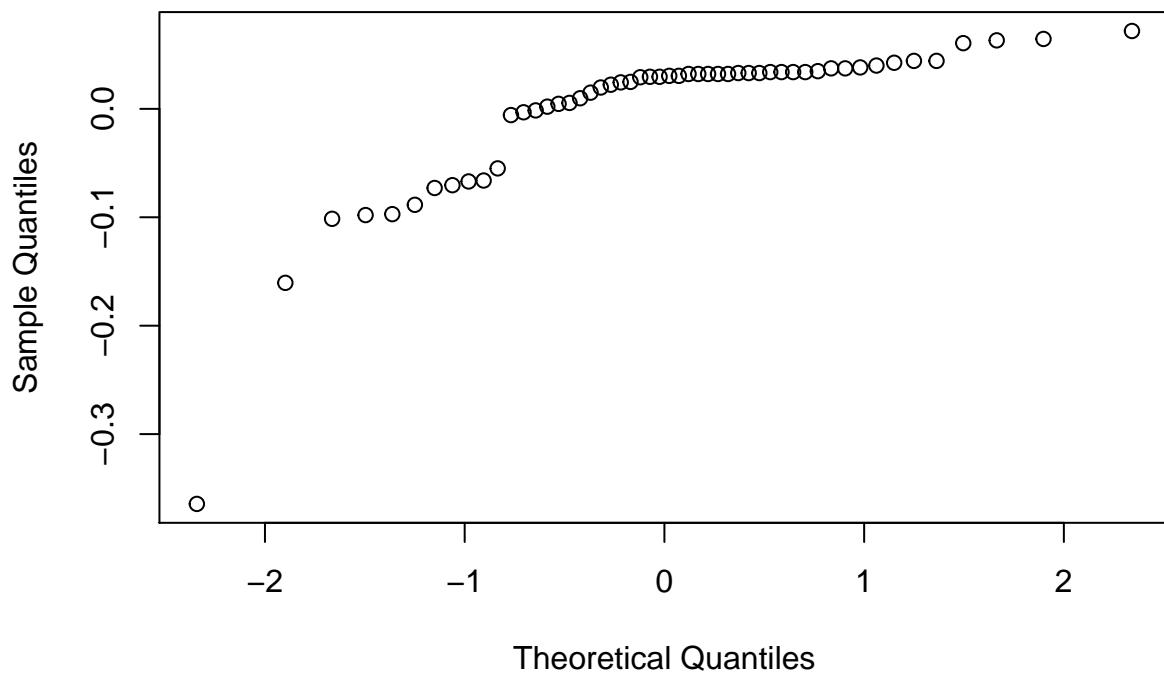
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



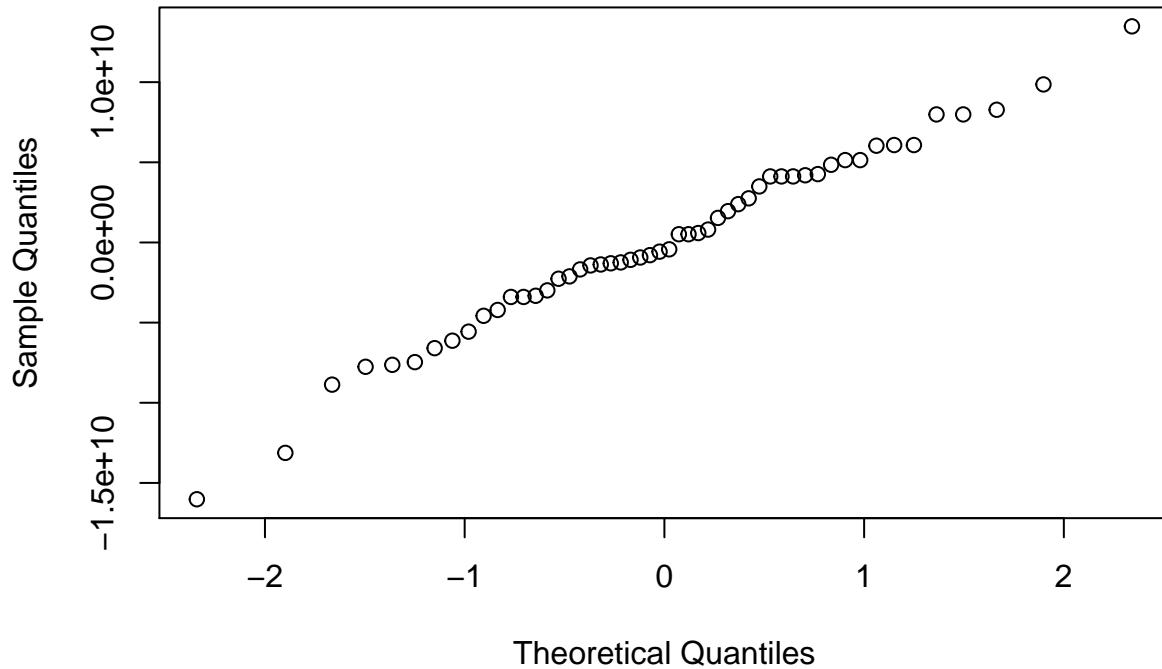
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.num.fireruns  
Plot of fnPFOAtransEthnicity**



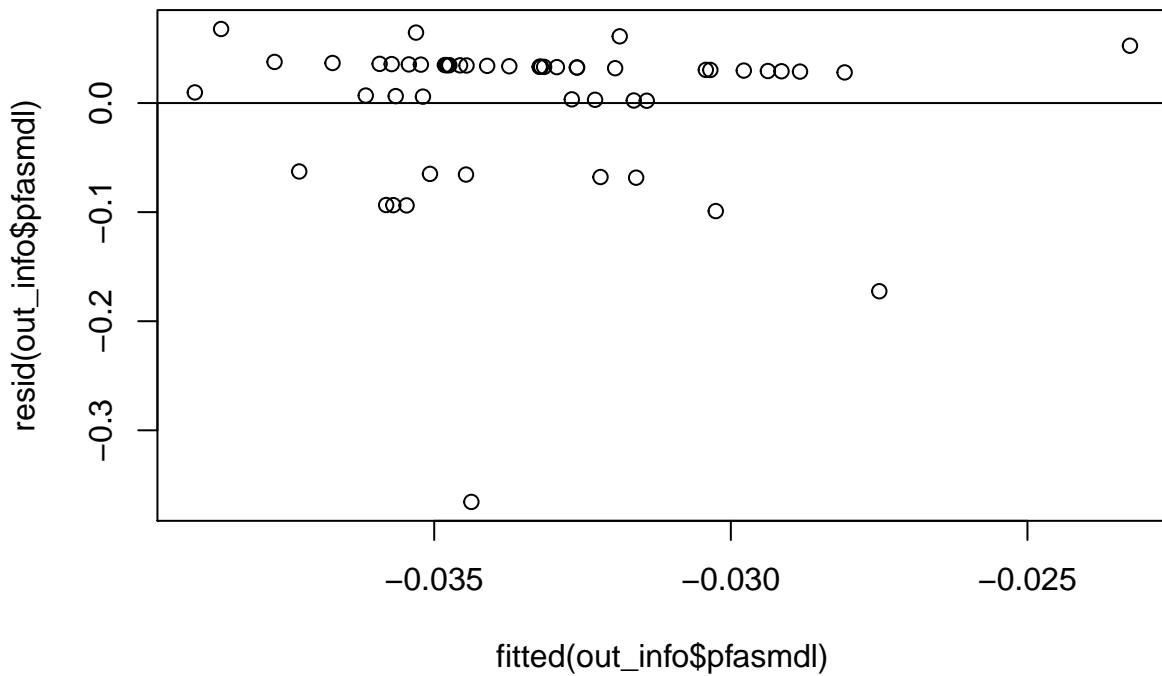
**Normal Q-Q Plot**



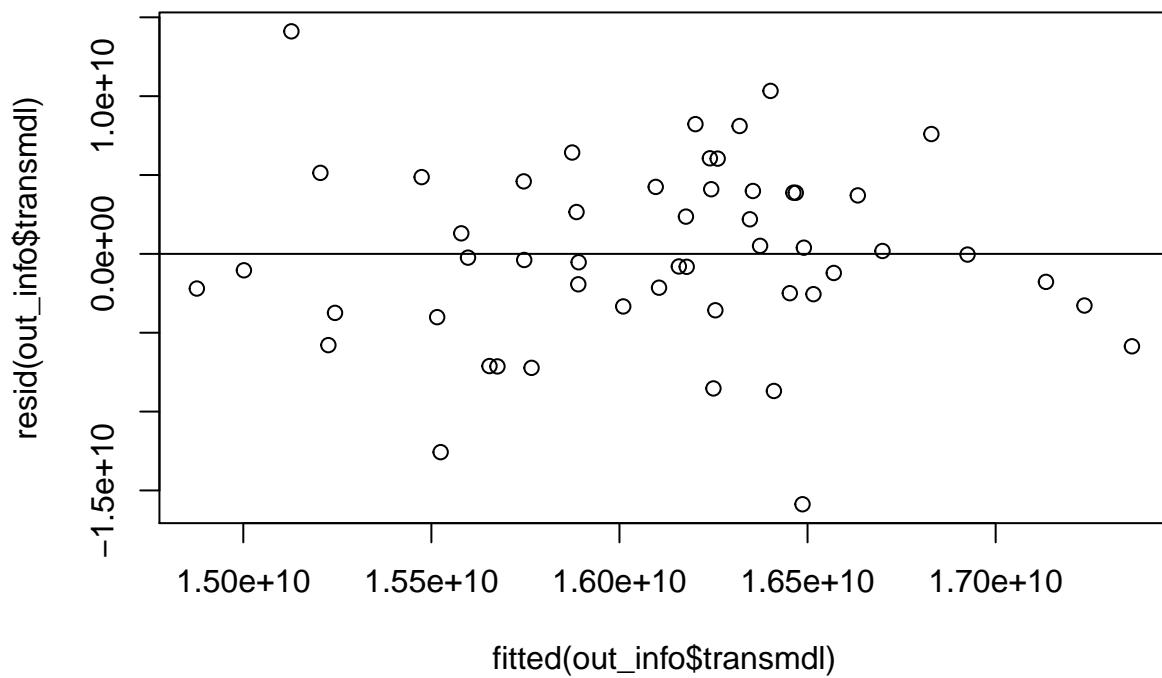
### Normal Q-Q Plot



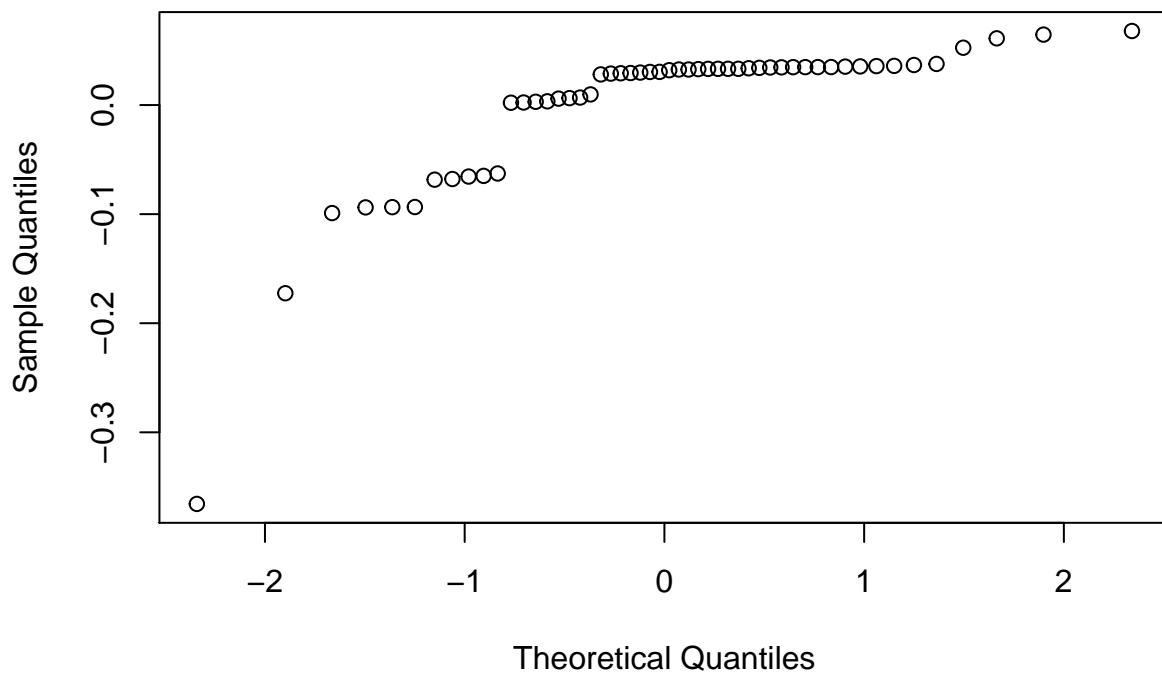
**Plot of PFOSAorig+  
Plot of PFOSAorigtotal.duration.hrs  
Plot of PFOSAorigEthnicity**



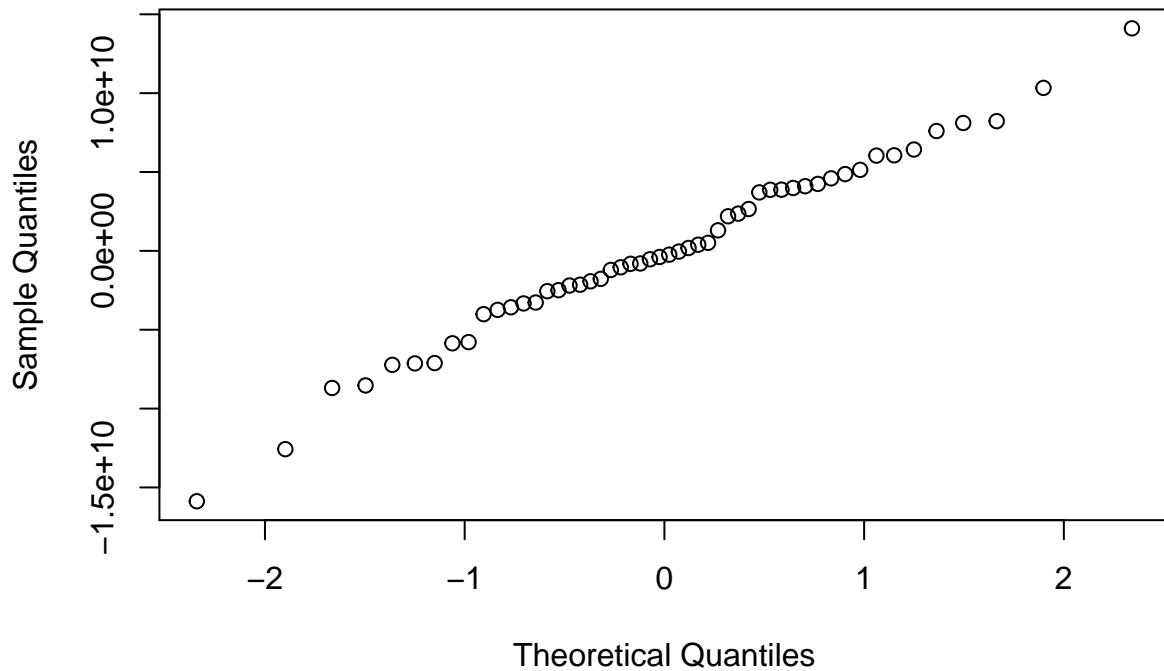
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.duration.hrs  
Plot of fnPFOAtransEthnicity**



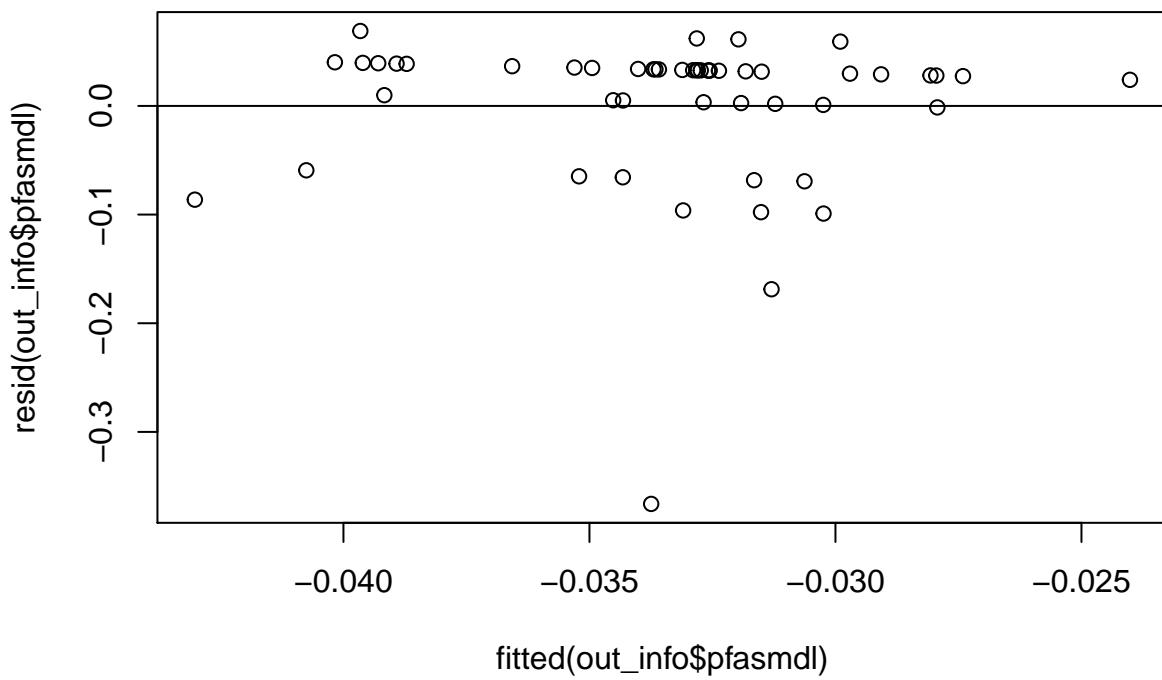
**Normal Q-Q Plot**



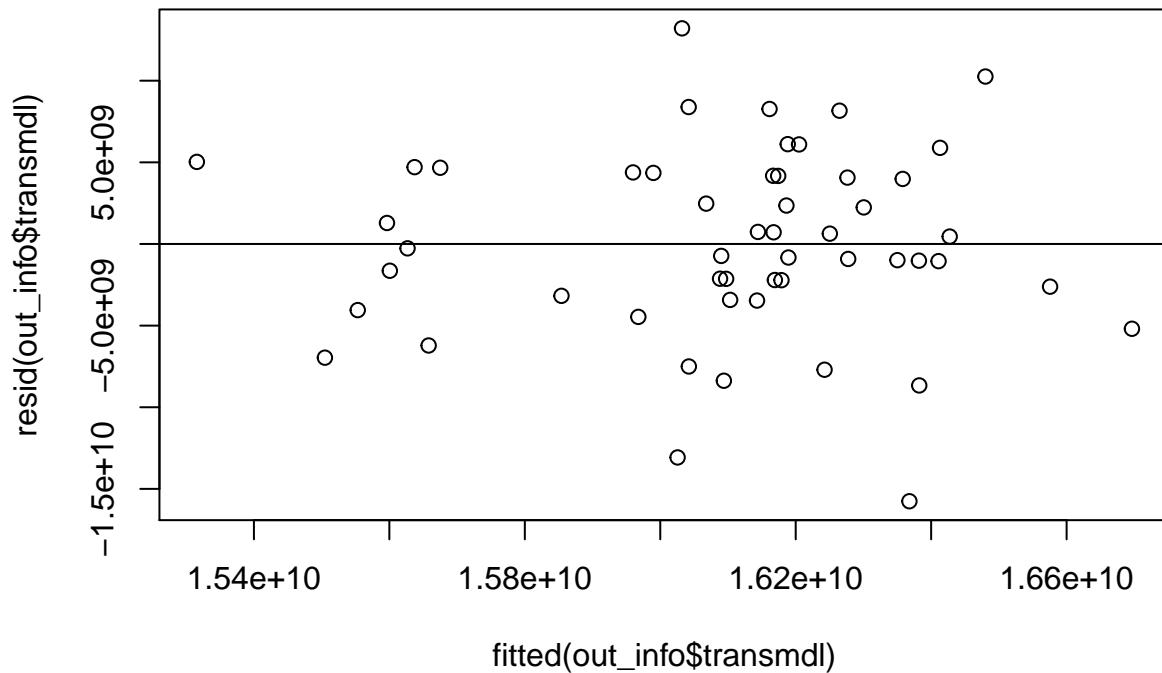
### Normal Q-Q Plot



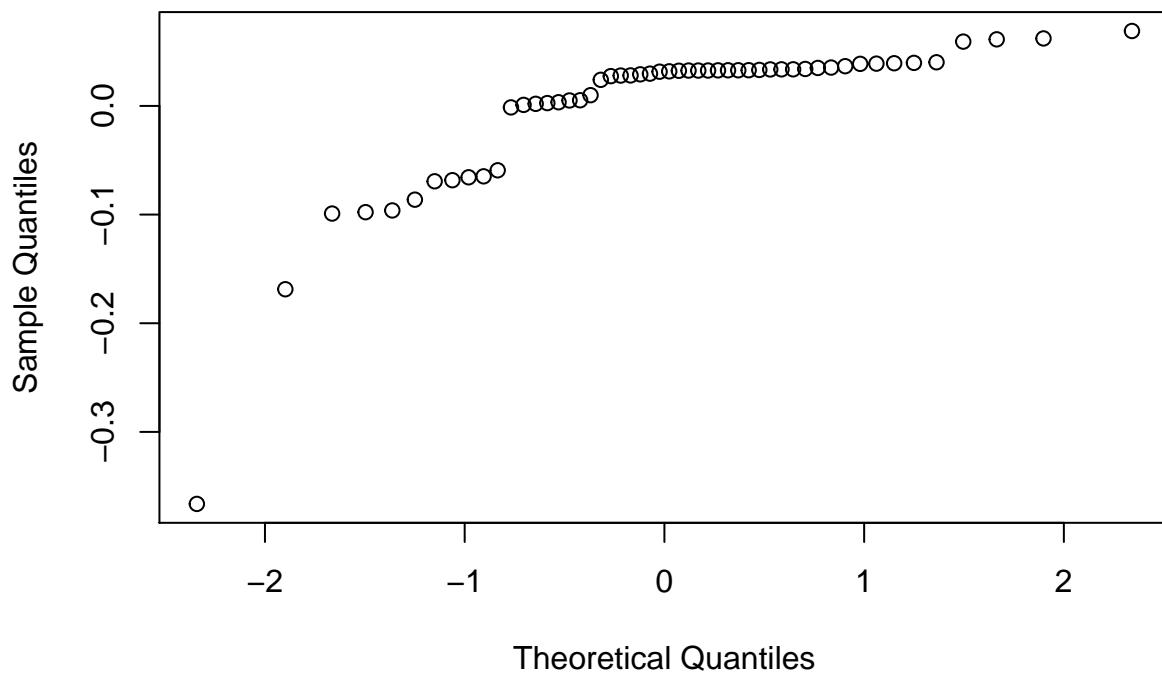
Plot of PFOSAorig+  
Plot of PFOSAorigstr.duration.hrs  
Plot of PFOSAorigEthnicity



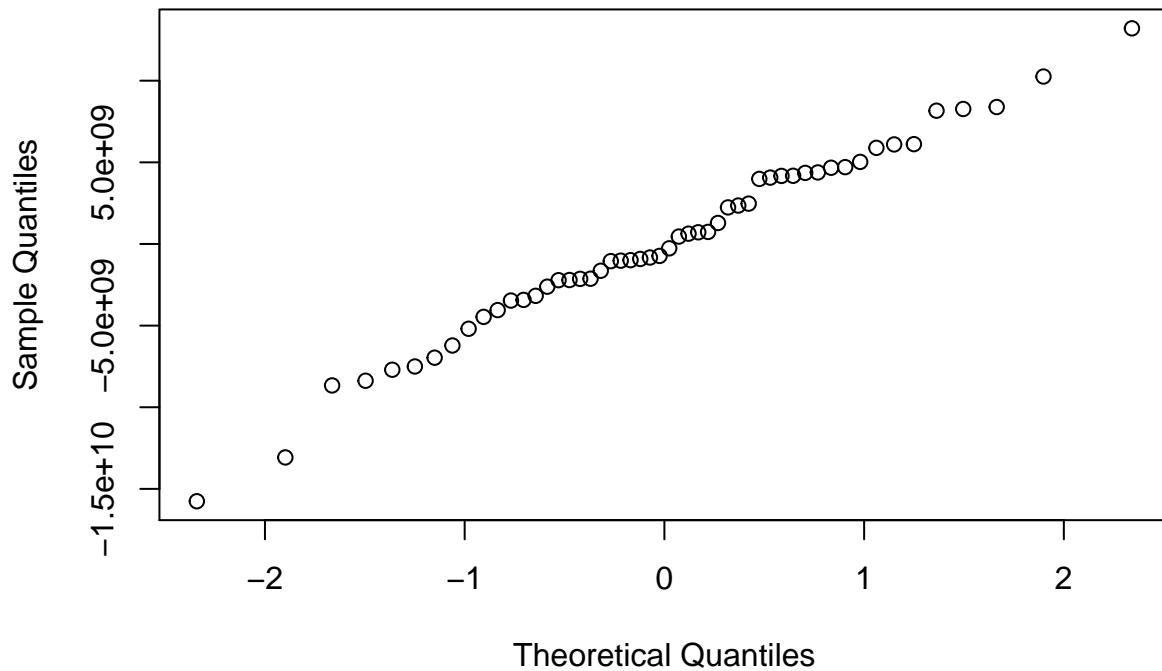
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.duration.hrs  
Plot of fnPFOAtransEthnicity**



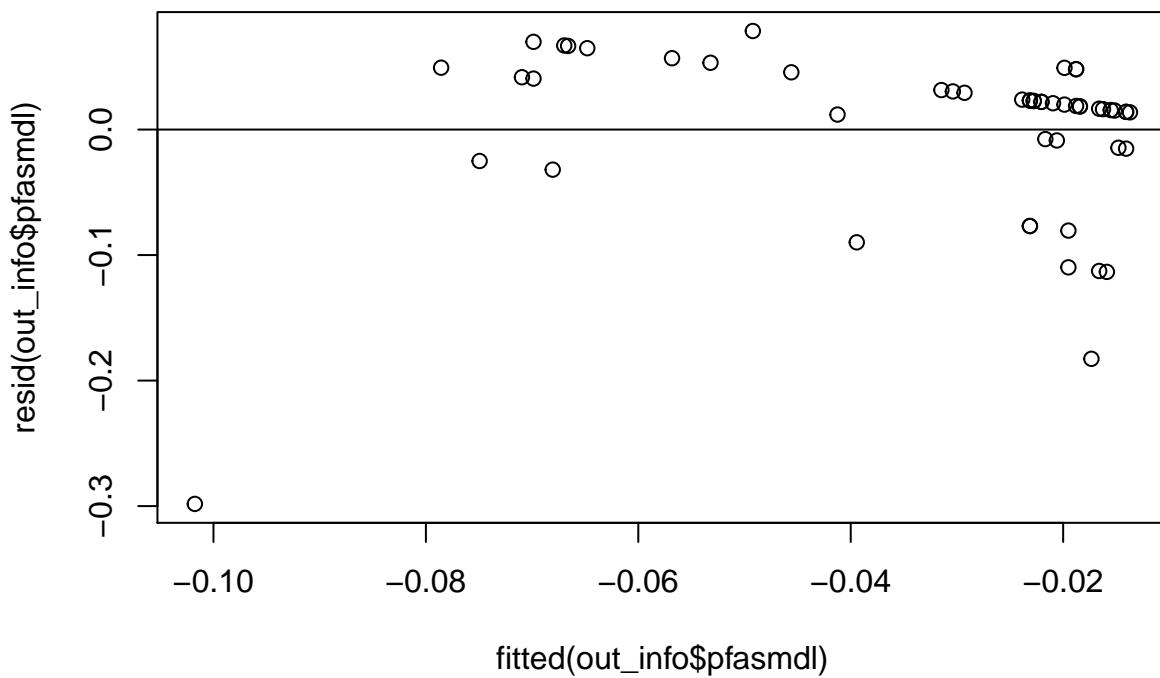
**Normal Q-Q Plot**



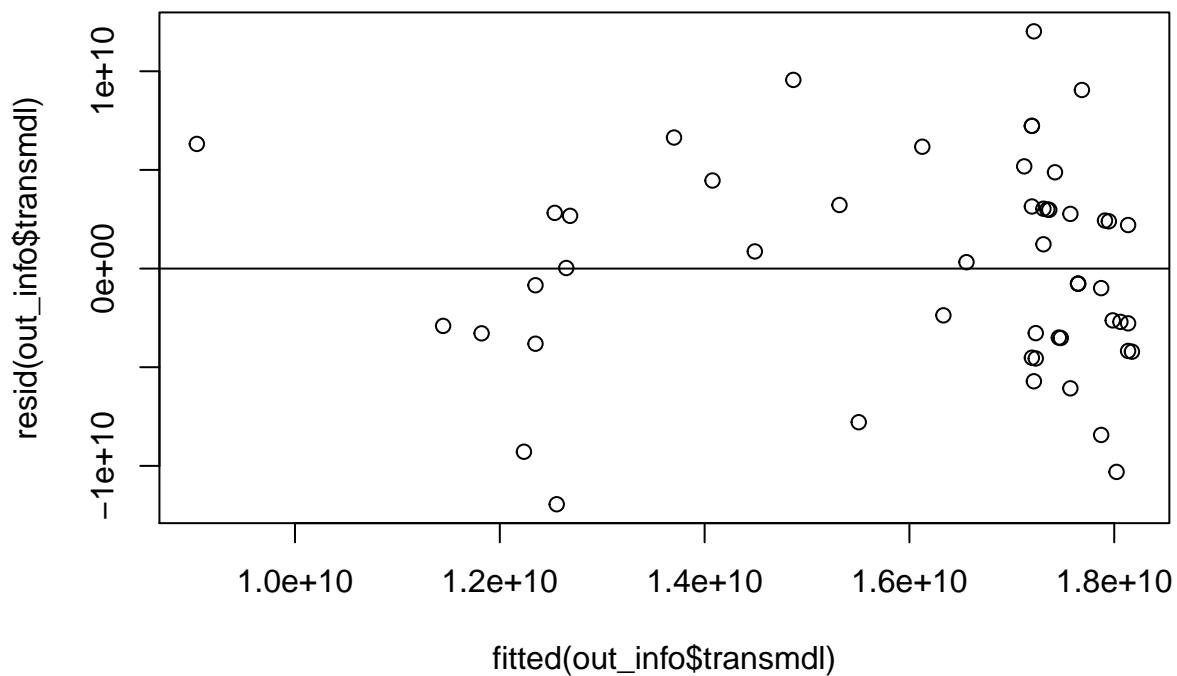
### Normal Q-Q Plot



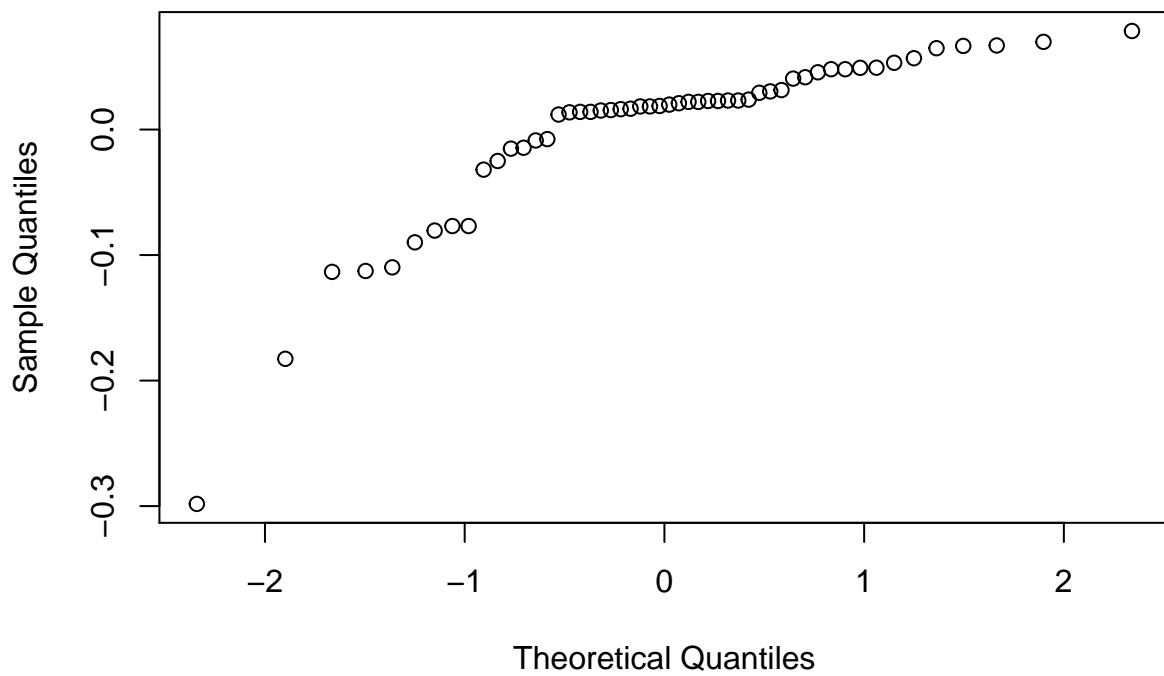
**Plot of PFOSAorig+**  
**Plot of PFOSAorigdays.since.MRF**  
**Plot of PFOSAorigEthnicity**



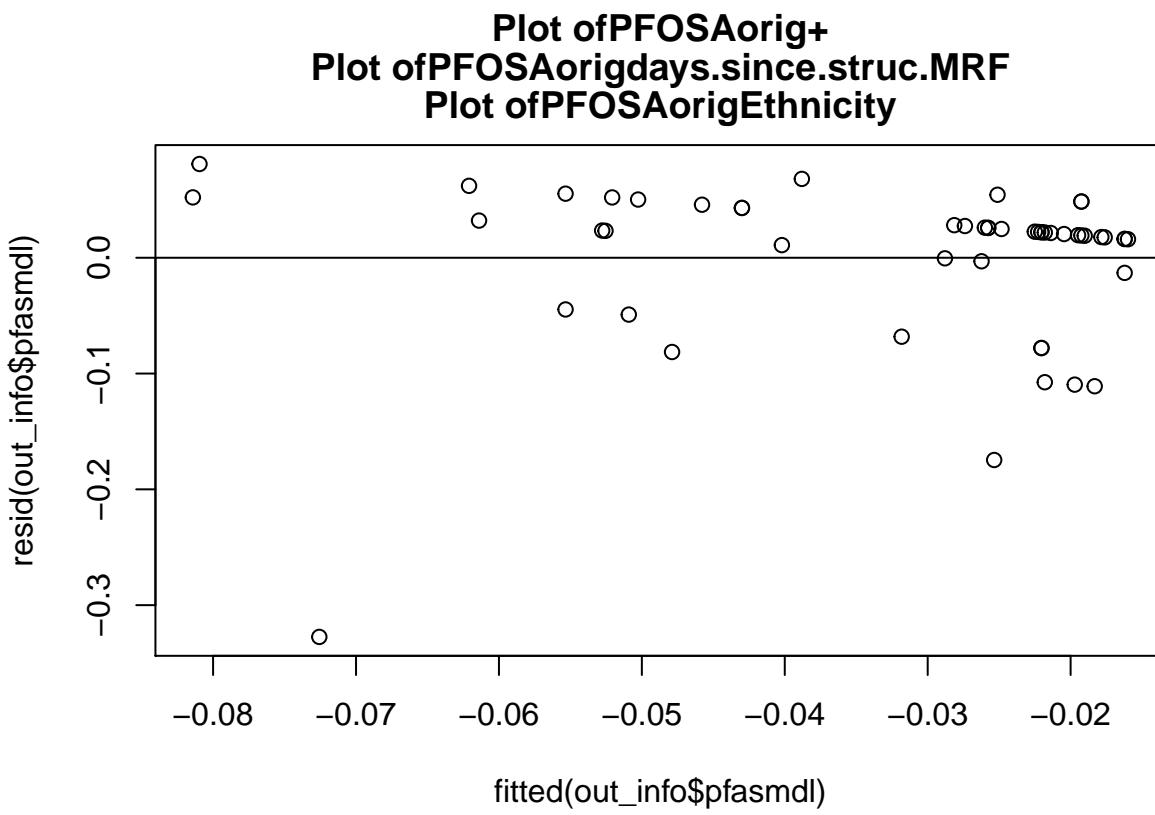
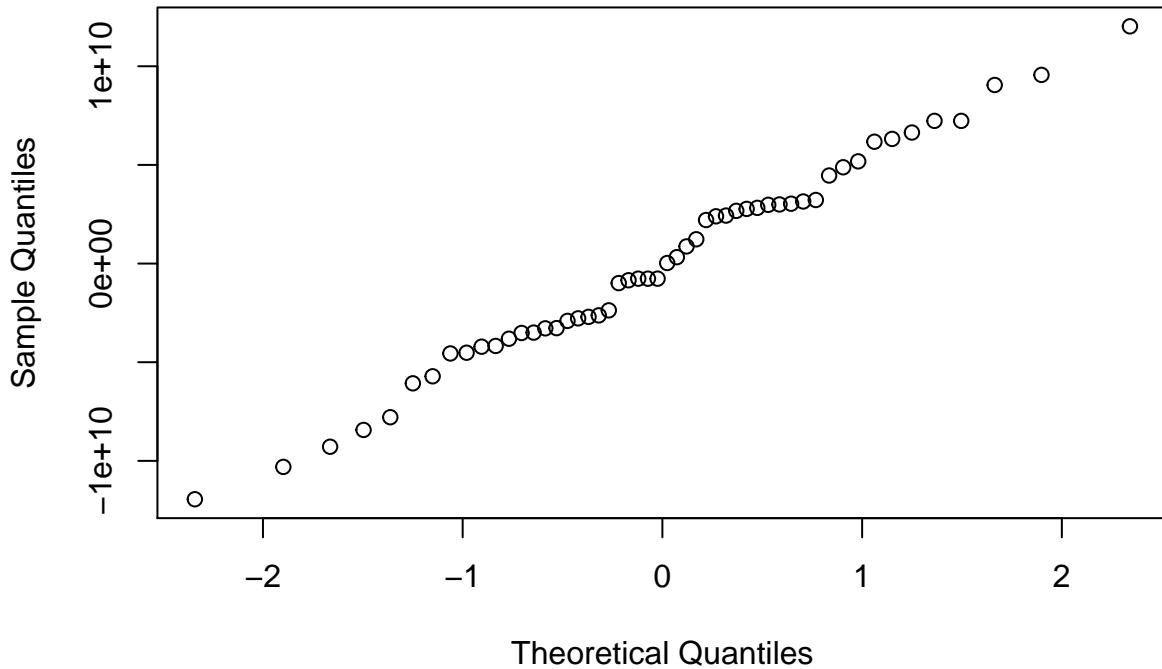
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.MRF  
Plot of fnPFOAtransEthnicity**



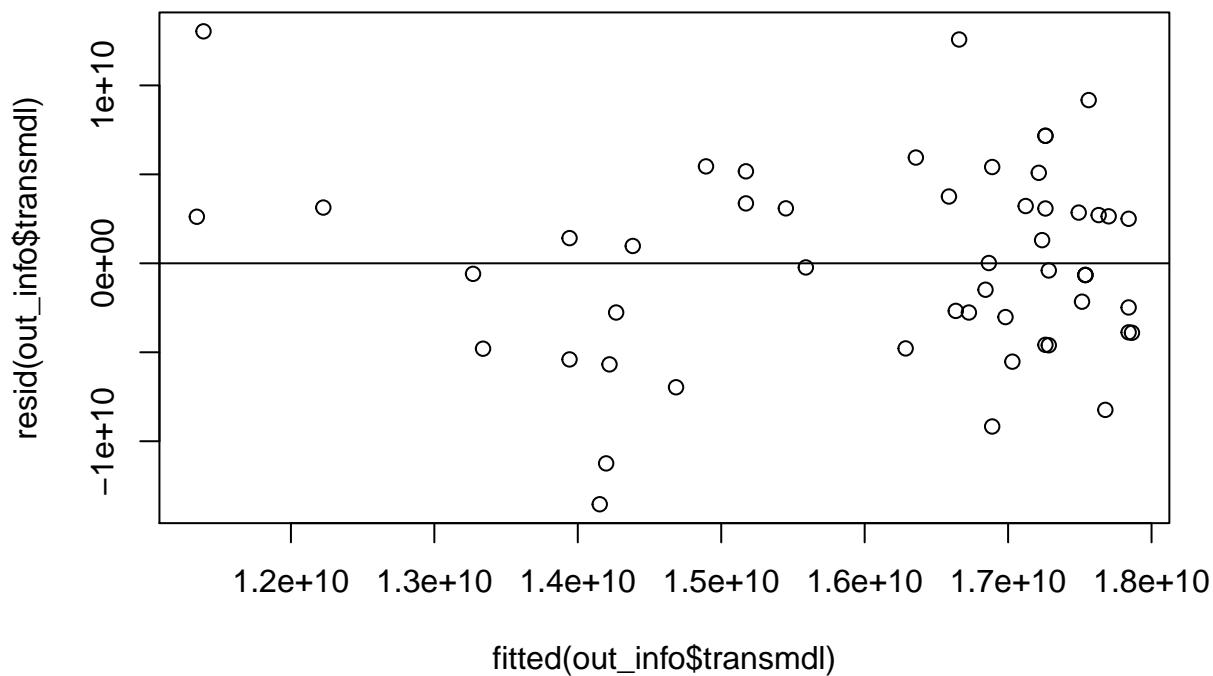
**Normal Q-Q Plot**



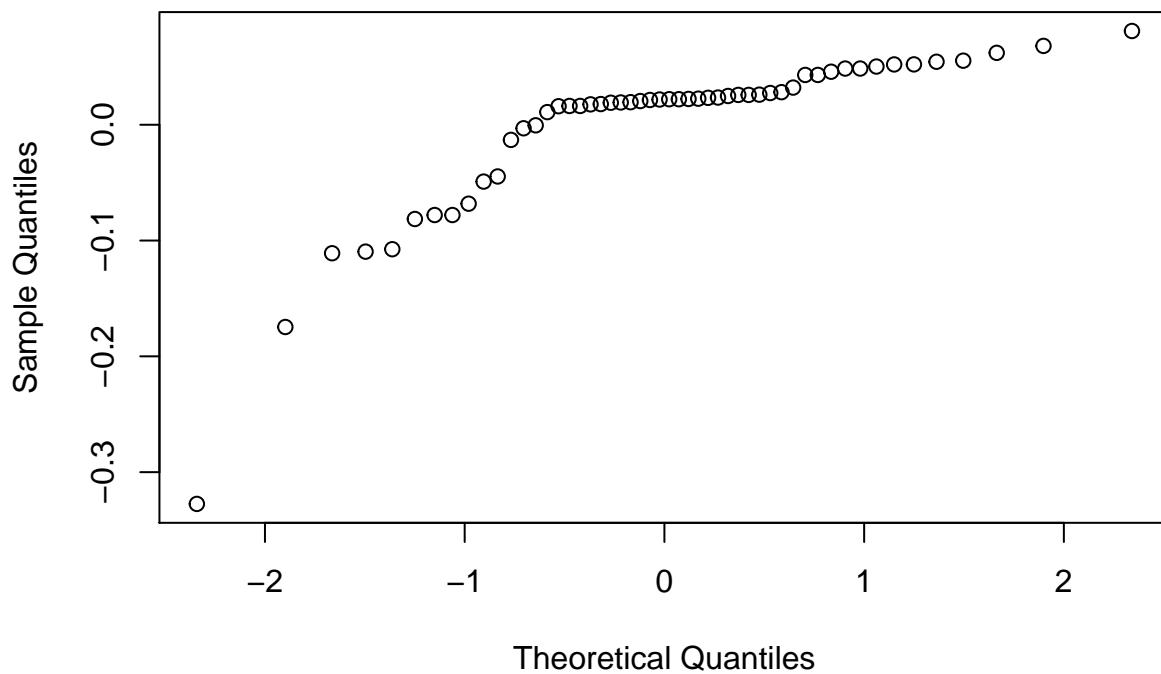
### Normal Q-Q Plot



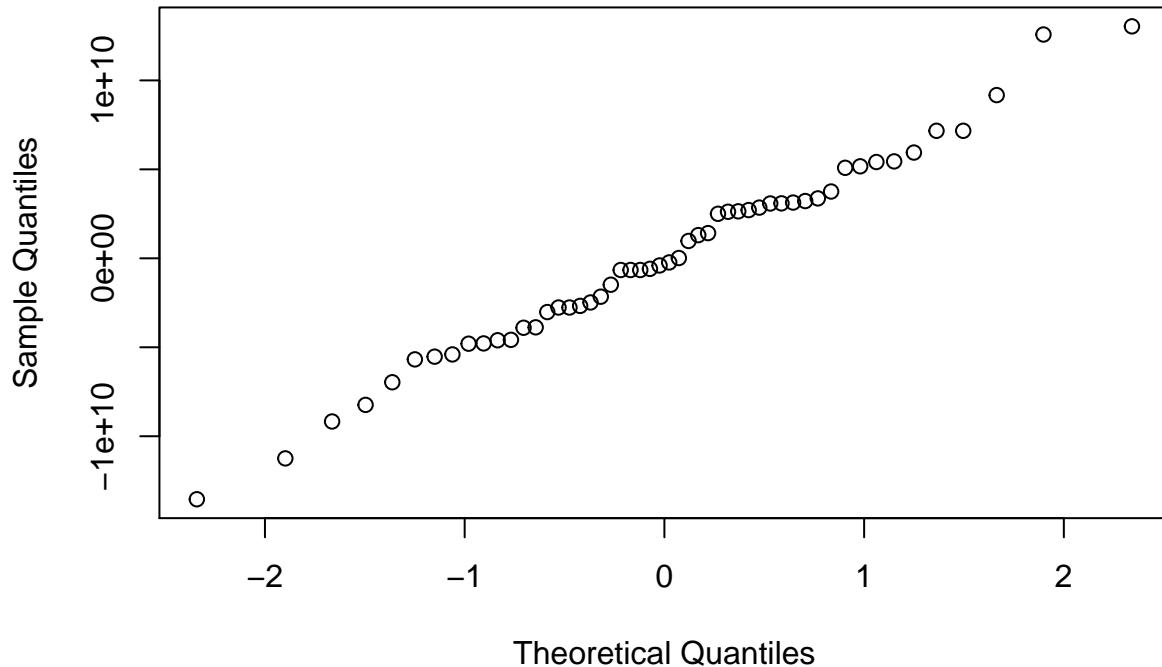
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.struc.MRF  
Plot of fnPFOAtransEthnicity**



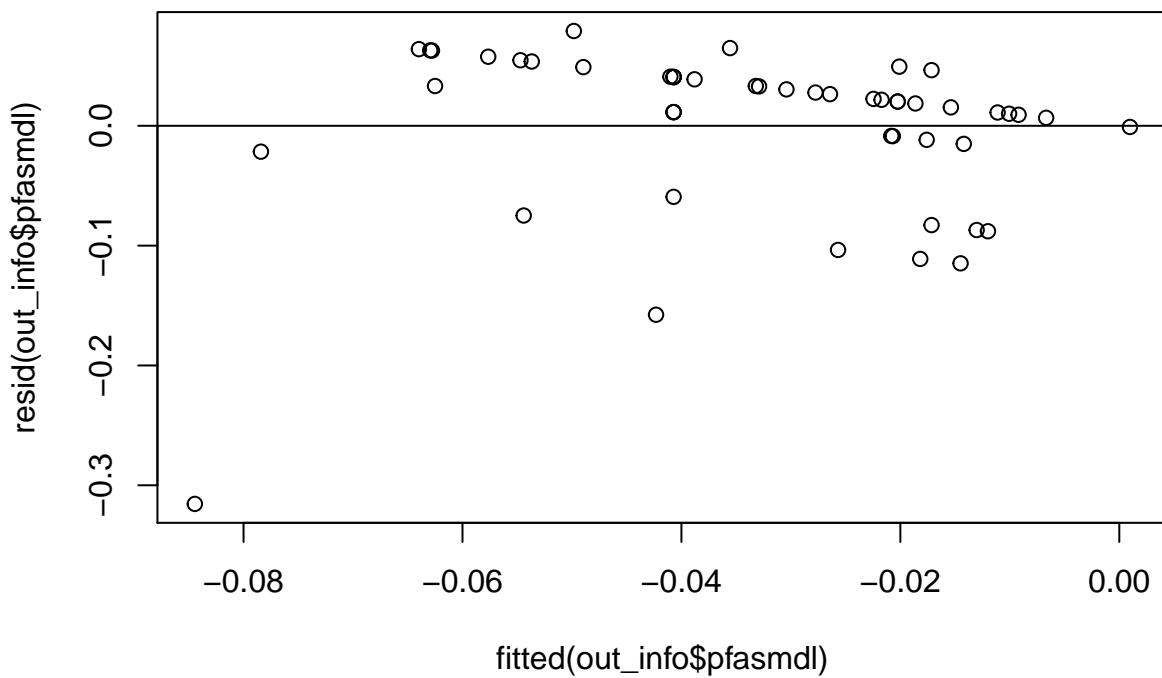
**Normal Q-Q Plot**



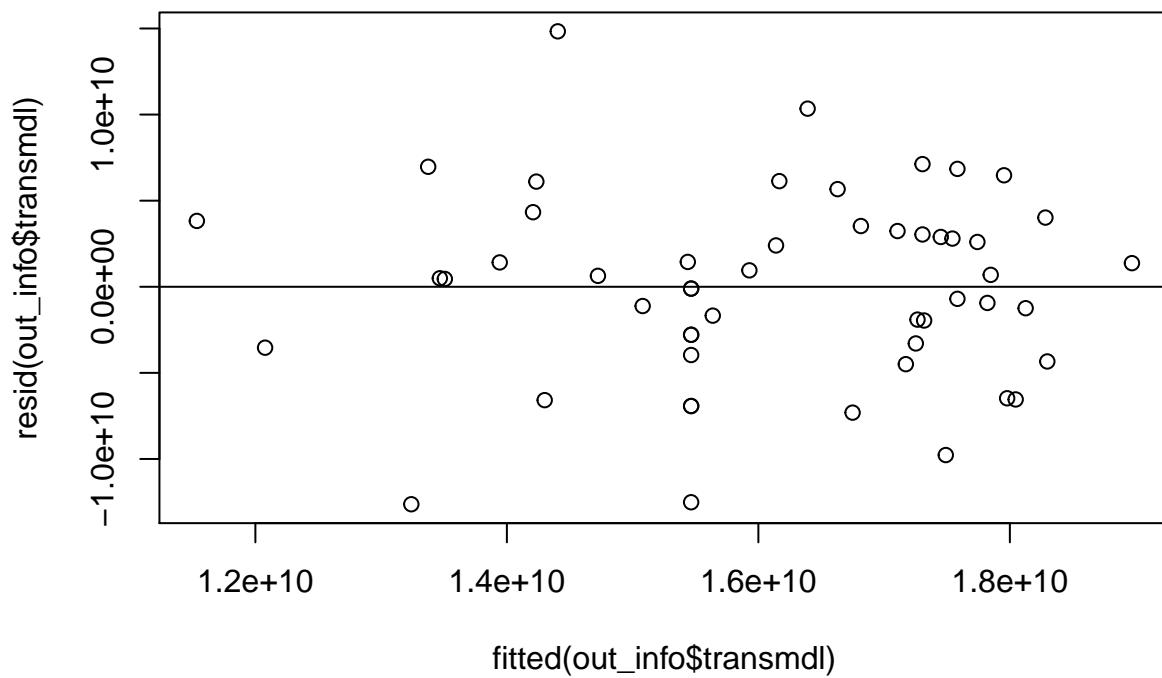
### Normal Q-Q Plot



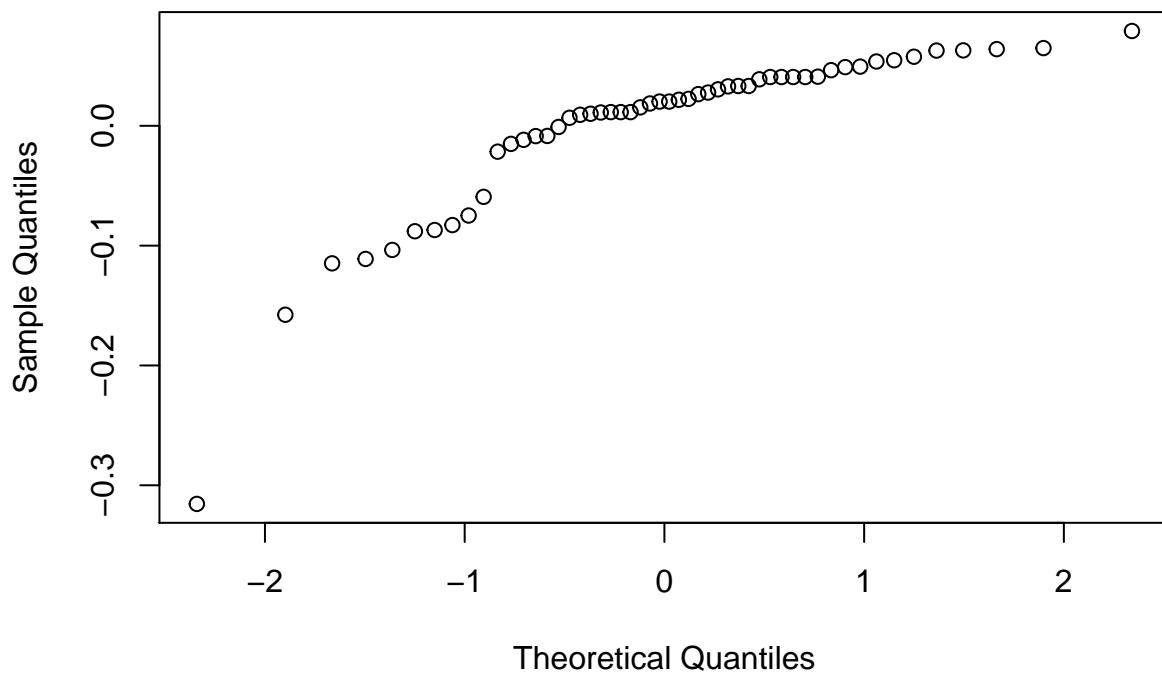
**Plot of PFOSAorig+**  
**Plot of PFOSAorigtime.since.baseline**  
**Plot of PFOSAorigEthnicity**



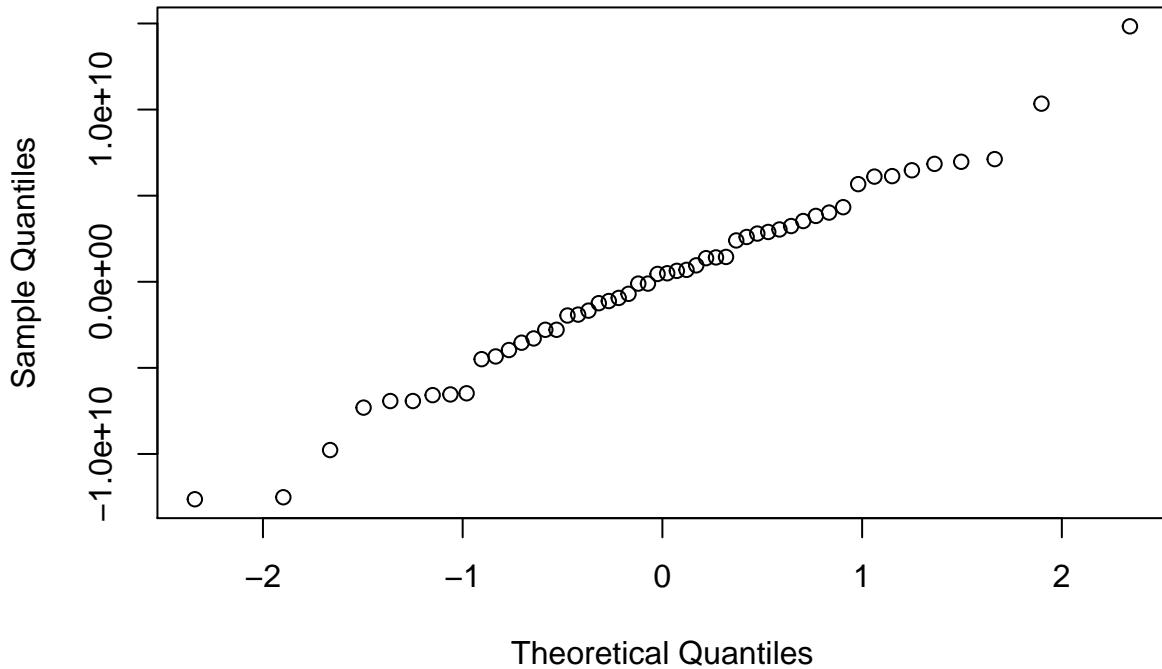
**Plot of nPFOAtrans+  
Plot of nPFOAtranstime.since.baseline  
Plot of nPFOAtransEthnicity**



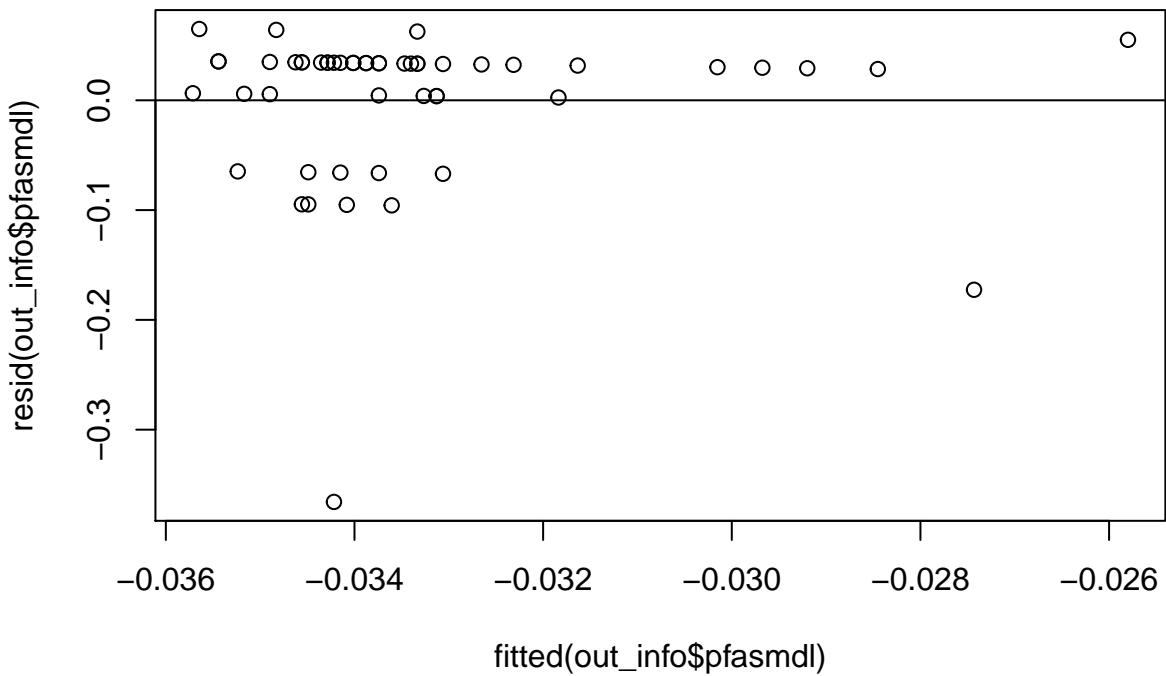
**Normal Q-Q Plot**



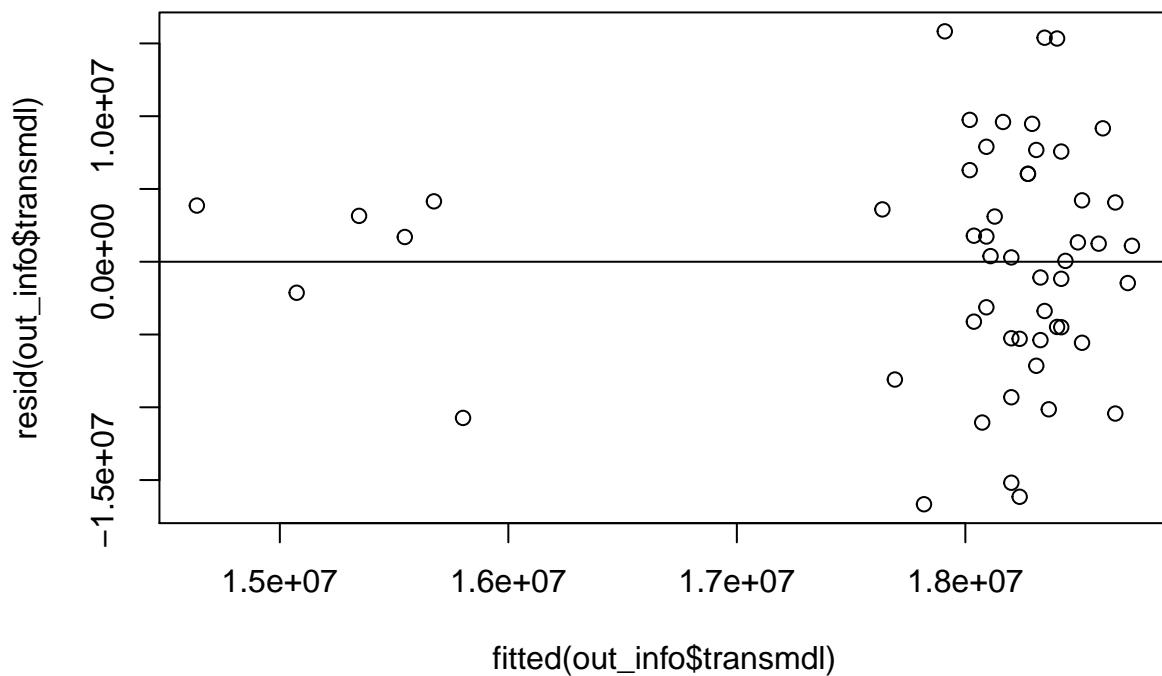
### Normal Q-Q Plot



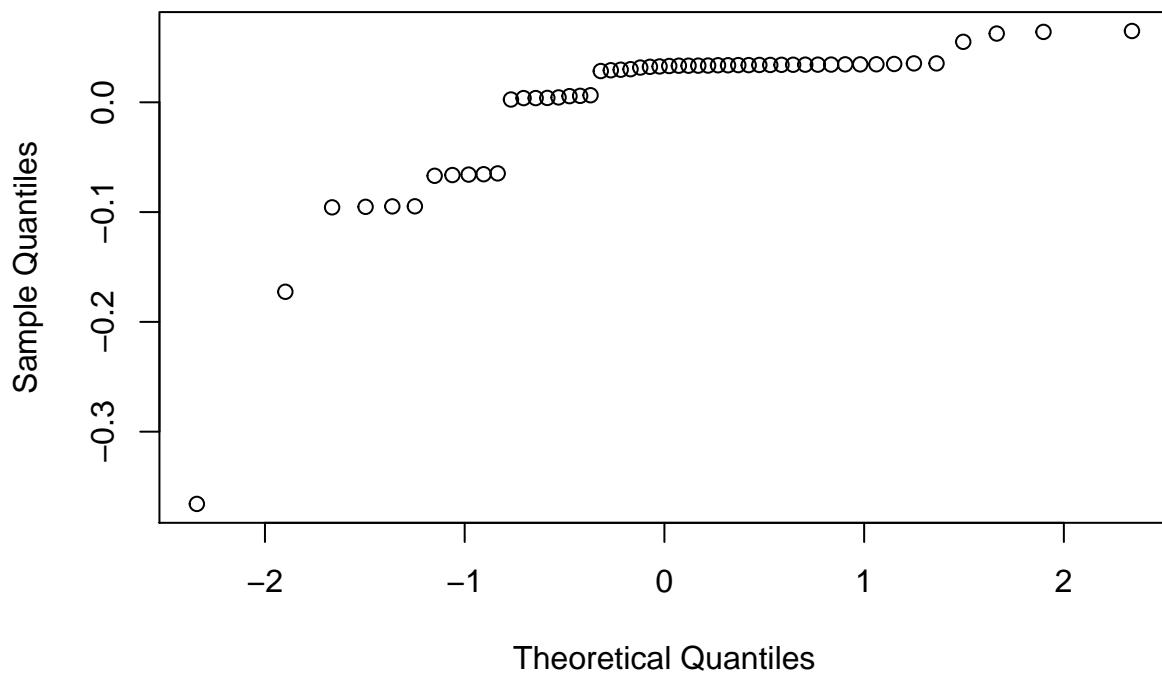
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.num.fireruns  
Plot of PFOSAorigEthnicity



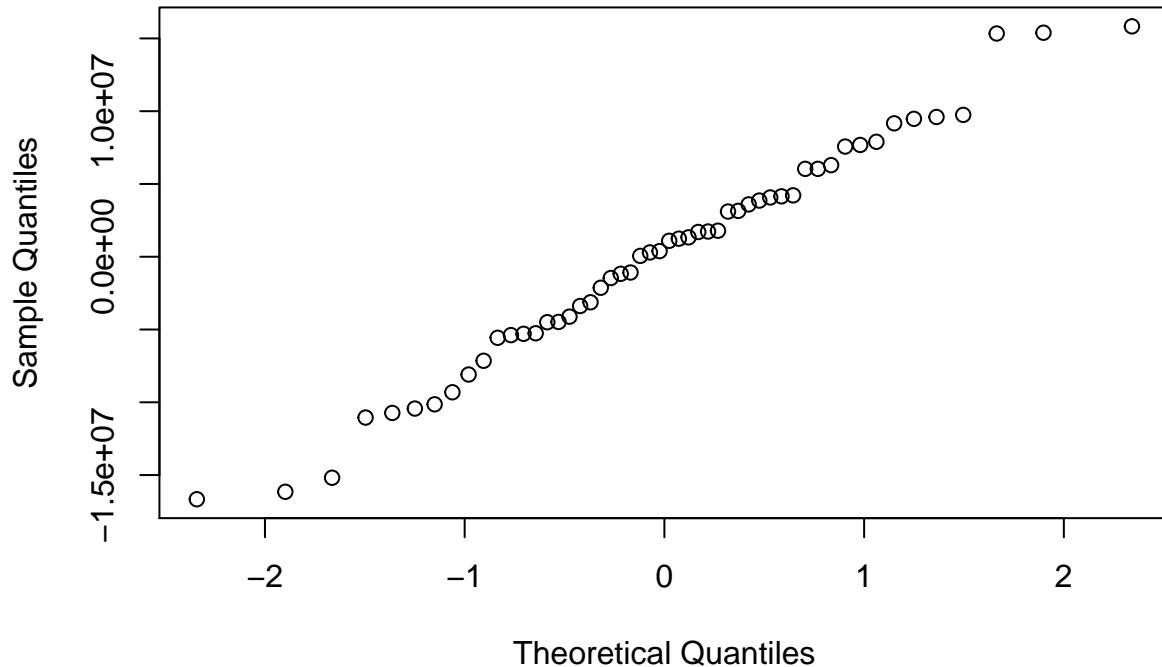
**Plot of nPFOStrans+  
Plot of nPFOStranstotal.num.fireruns  
Plot of nPFOStransEthnicity**



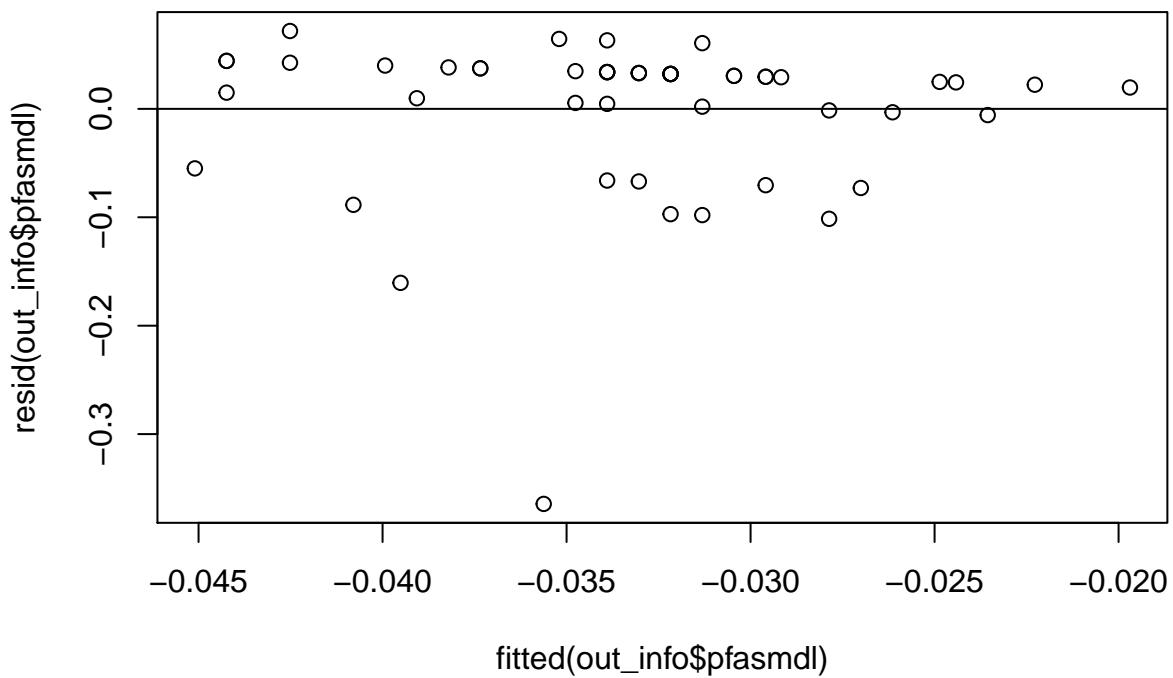
**Normal Q-Q Plot**



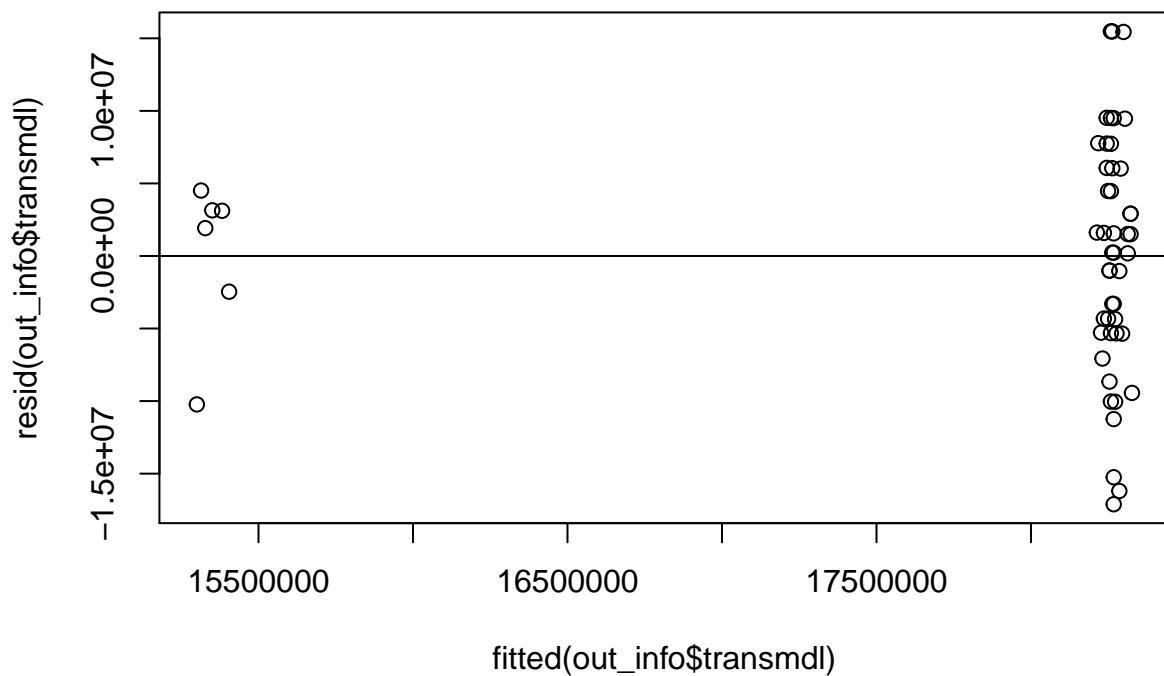
### Normal Q-Q Plot



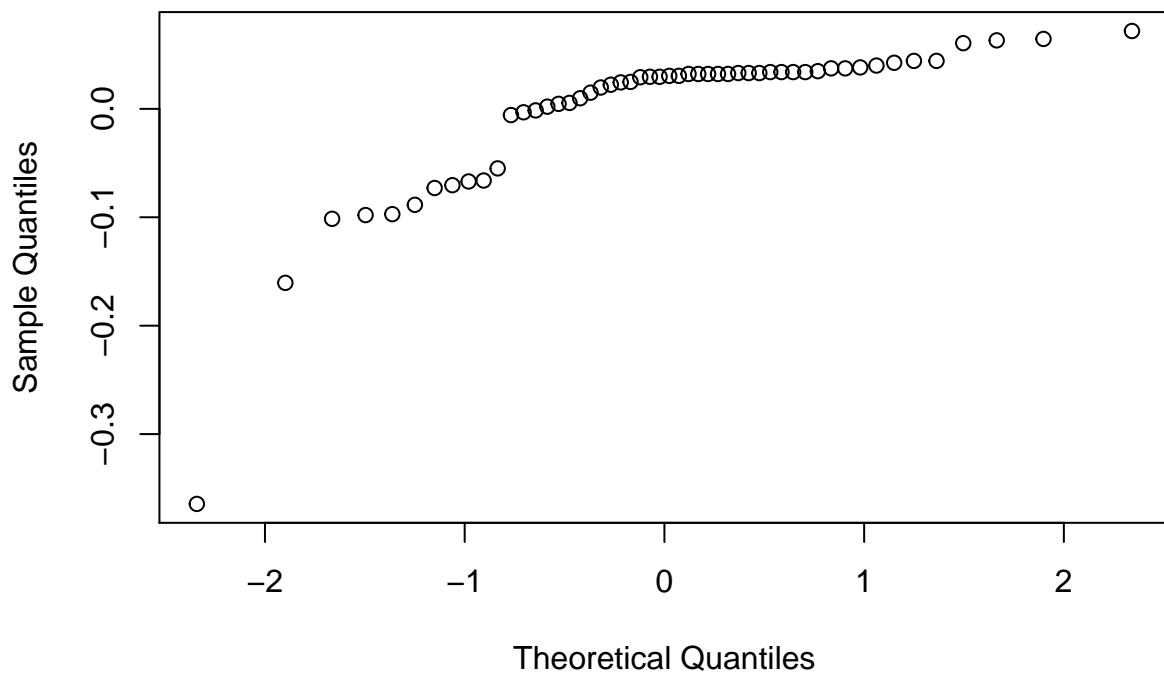
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



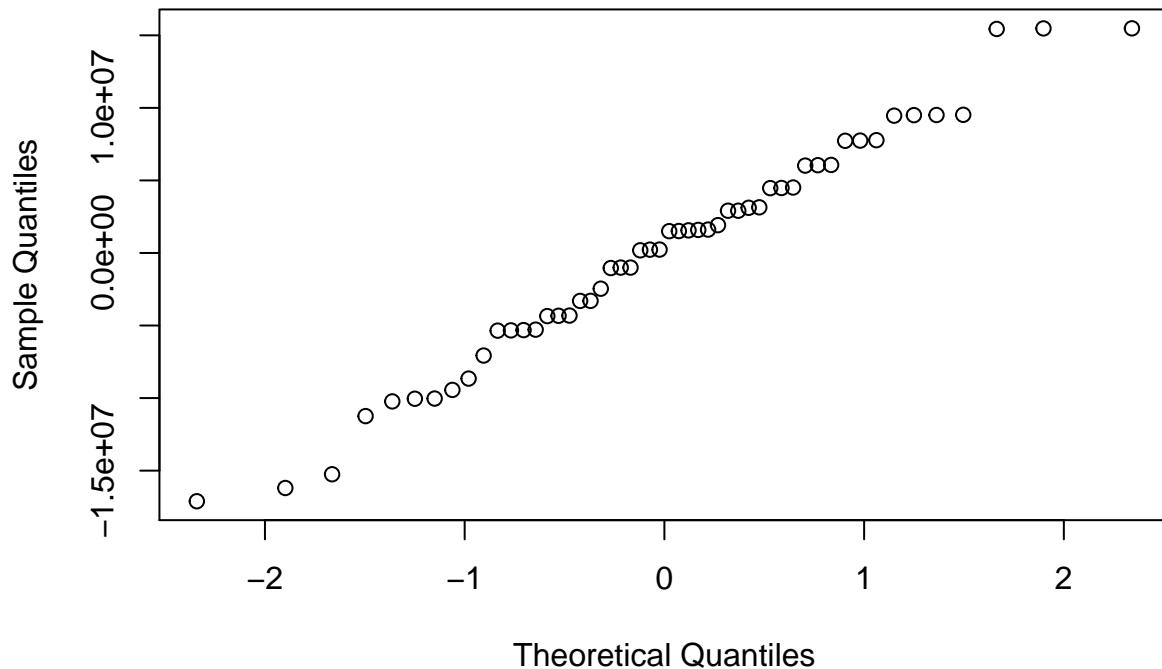
**Plot of fnPFOStrans+  
Plot of fnPFOStransstr.num.fireruns  
Plot of fnPFOStransEthnicity**



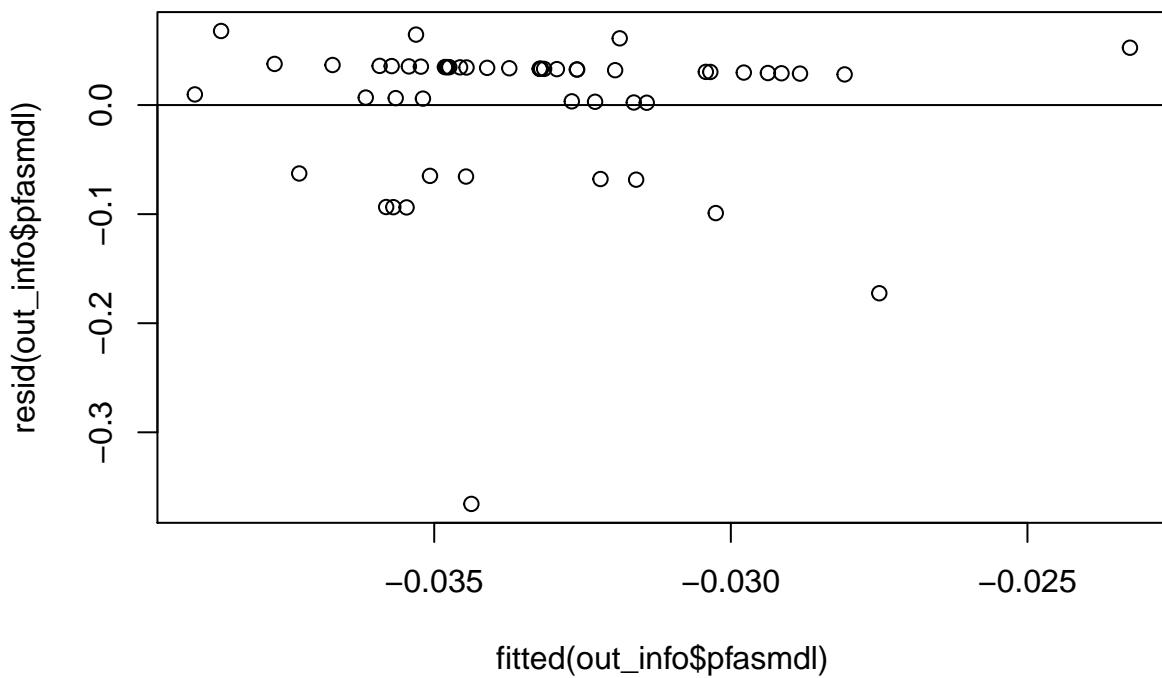
**Normal Q-Q Plot**



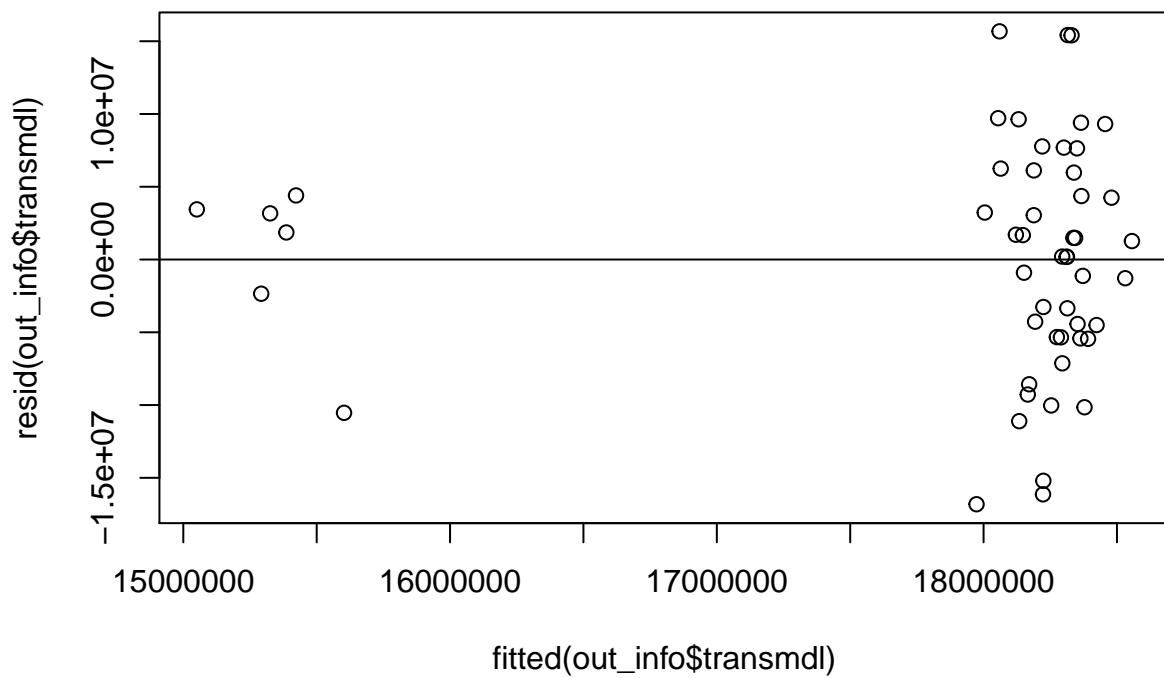
### Normal Q-Q Plot



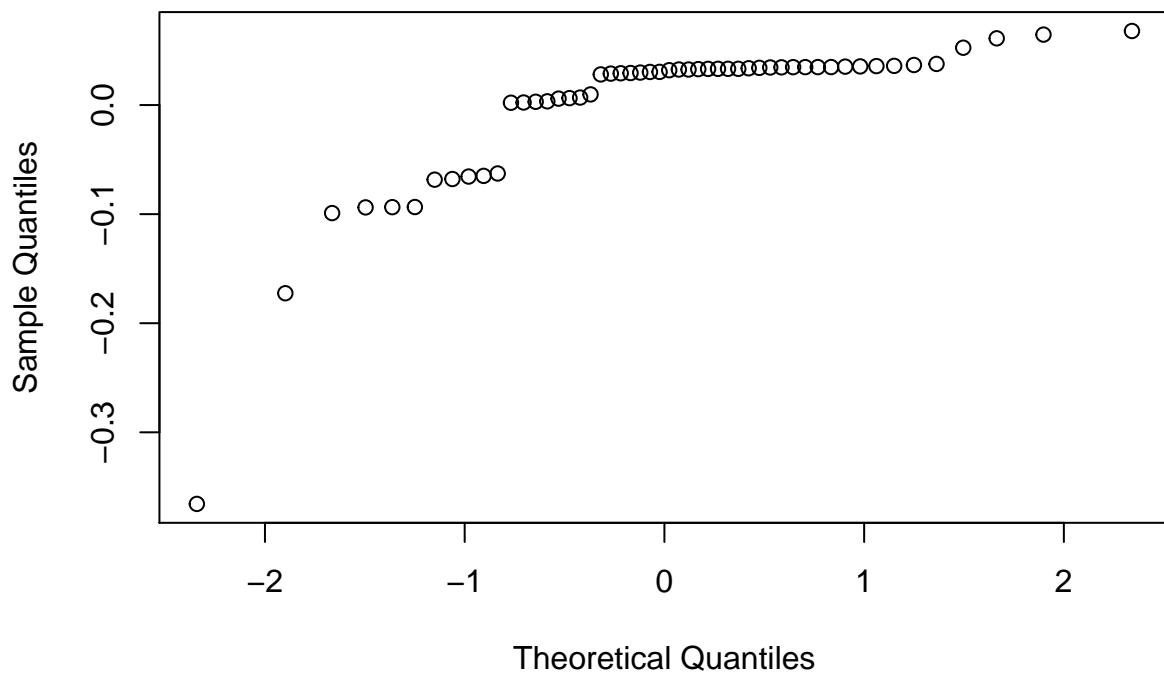
### Plot of PFOSAorig+ Plot of PFOSAorigtotal.duration.hrs Plot of PFOSAorigEthnicity



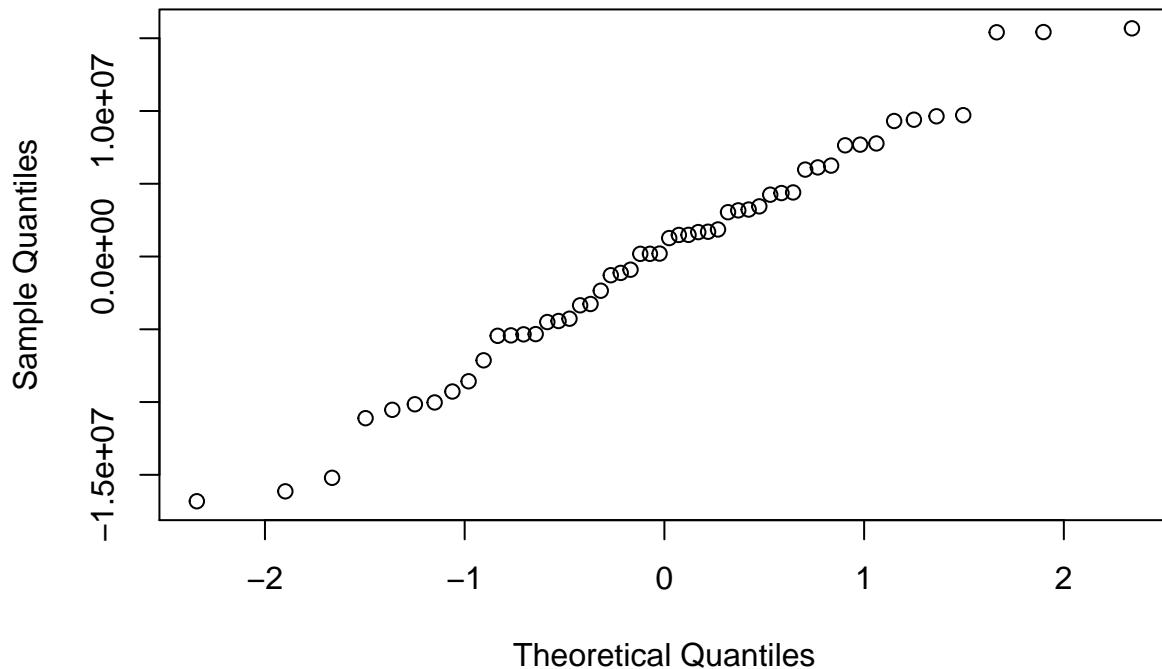
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.duration.hrs  
Plot of fnPFOStransEthnicity**



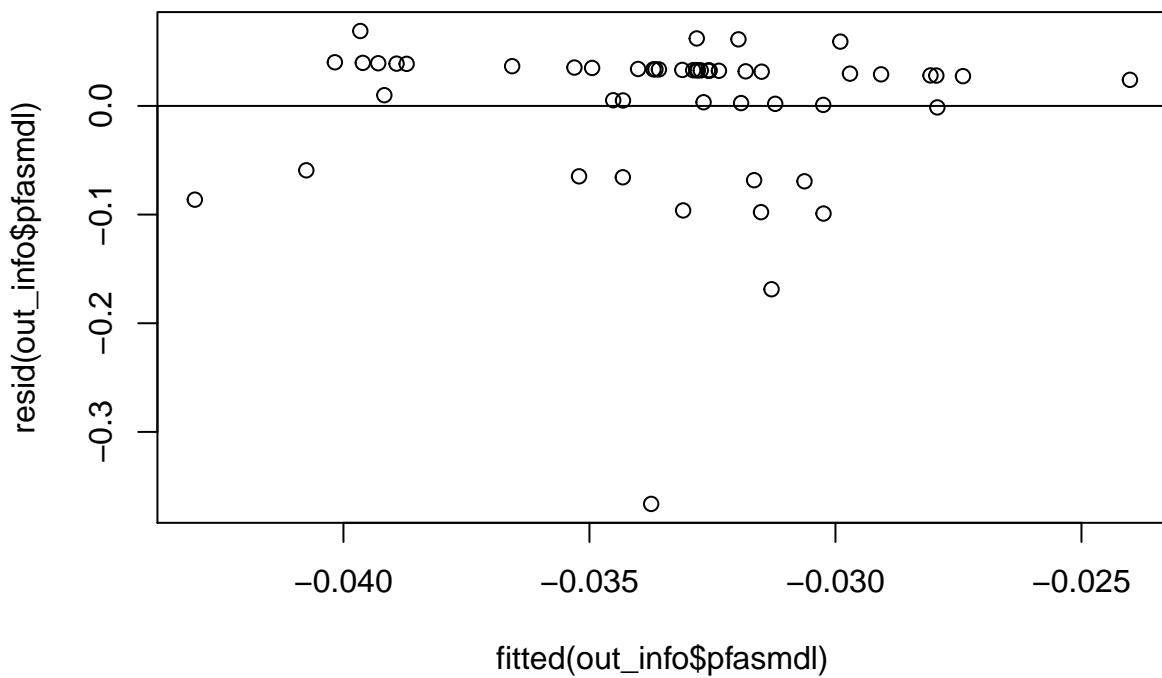
**Normal Q-Q Plot**



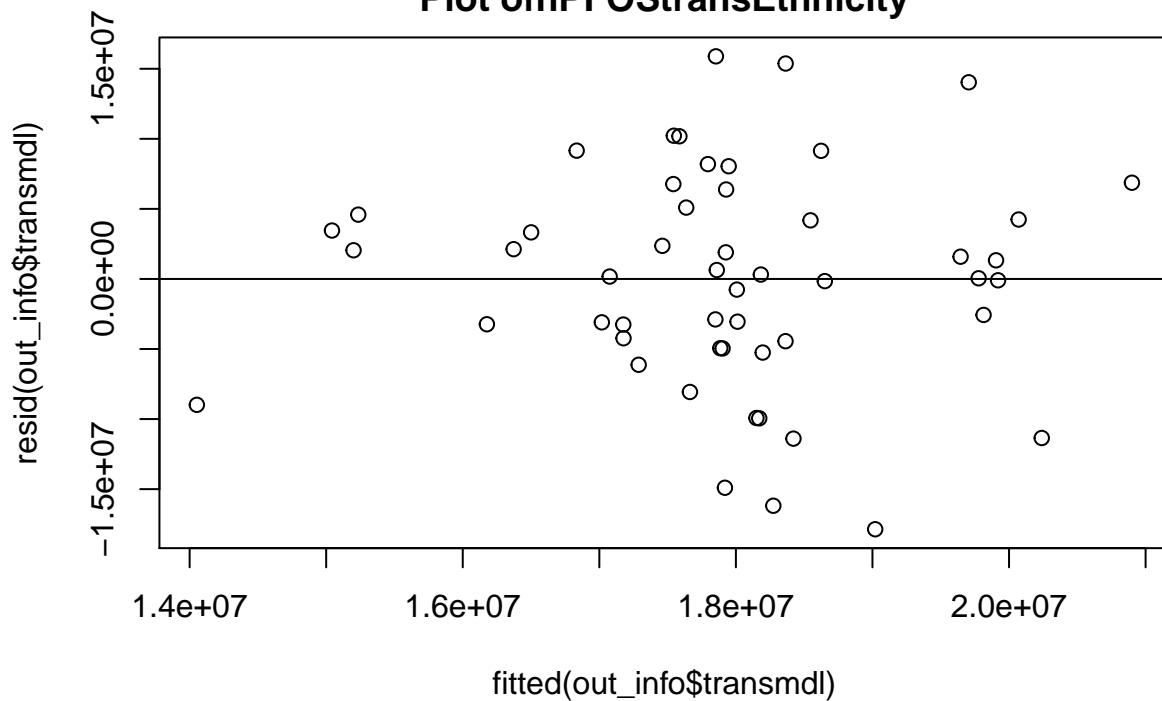
### Normal Q-Q Plot



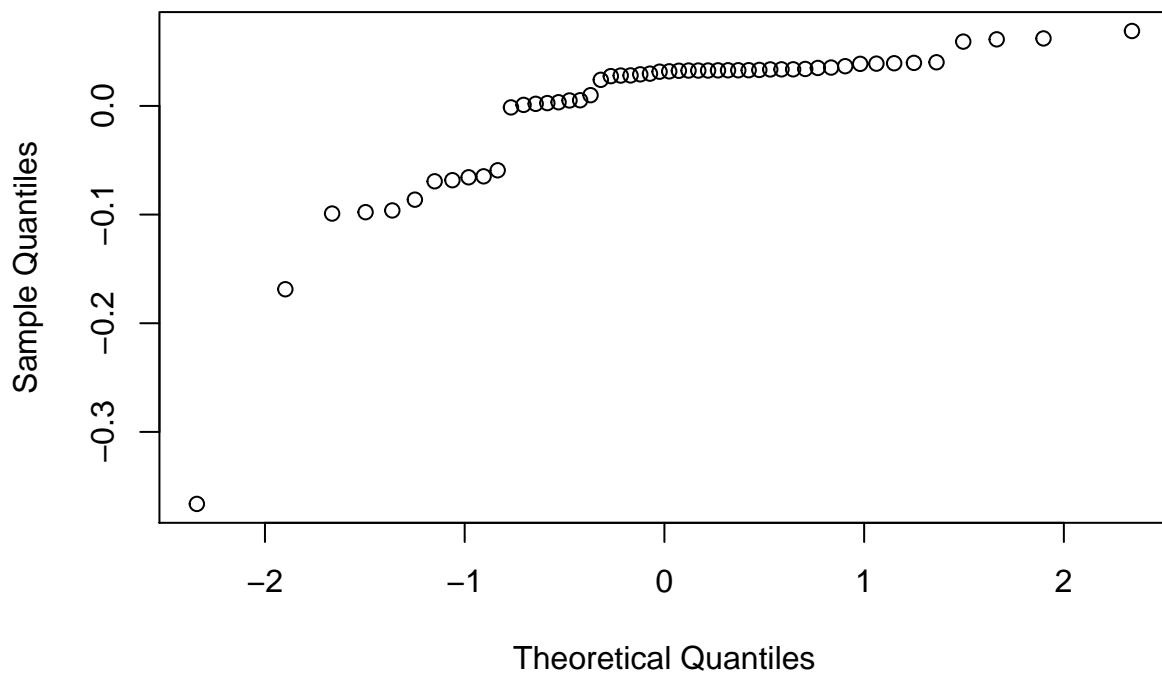
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.duration.hrs  
Plot of PFOSAorigEthnicity**



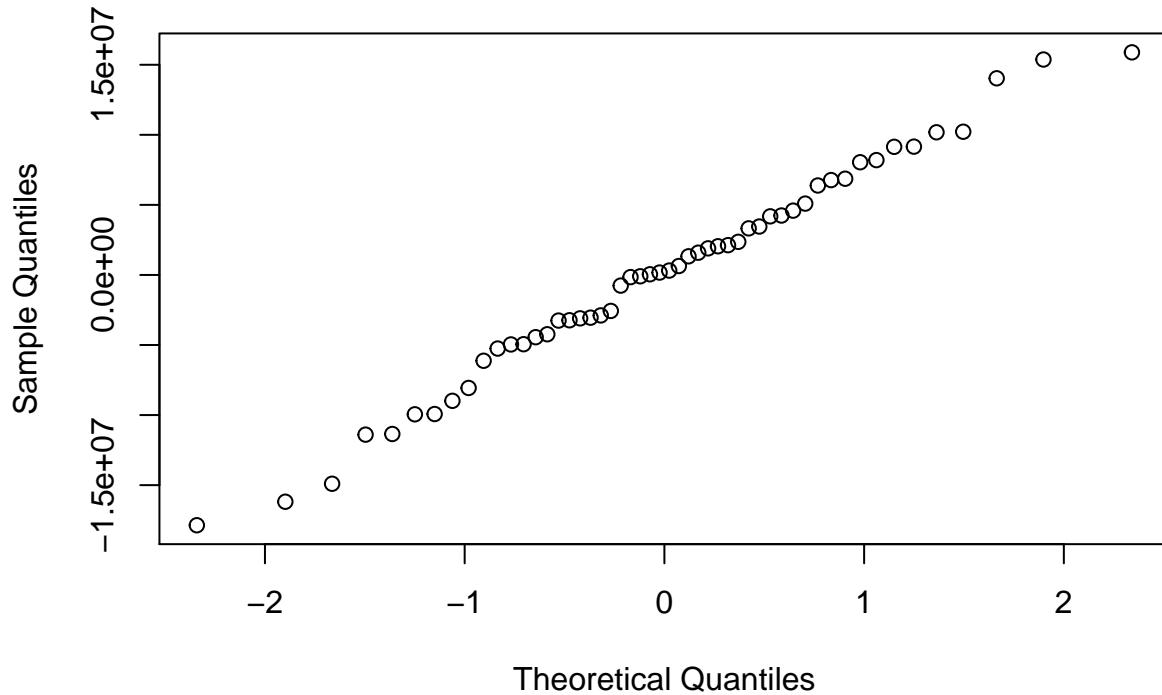
**Plot of fnPFOStrans+  
Plot of fnPFOStransstr.duration.hrs  
Plot of fnPFOStransEthnicity**



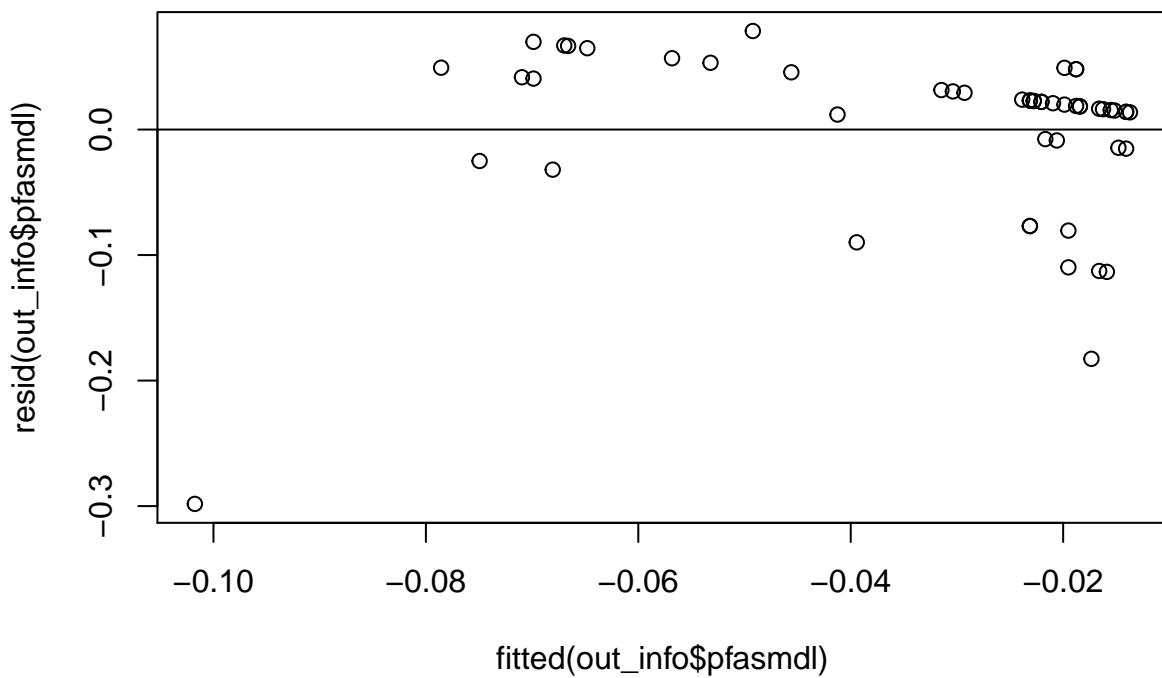
**Normal Q-Q Plot**



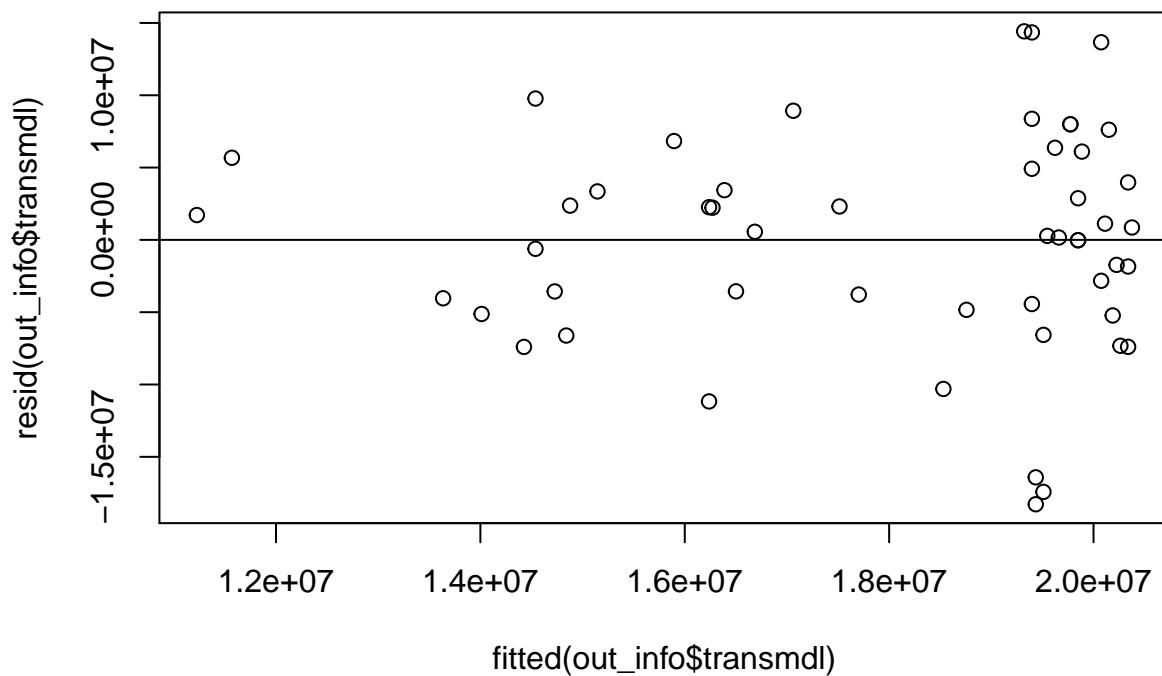
### Normal Q-Q Plot



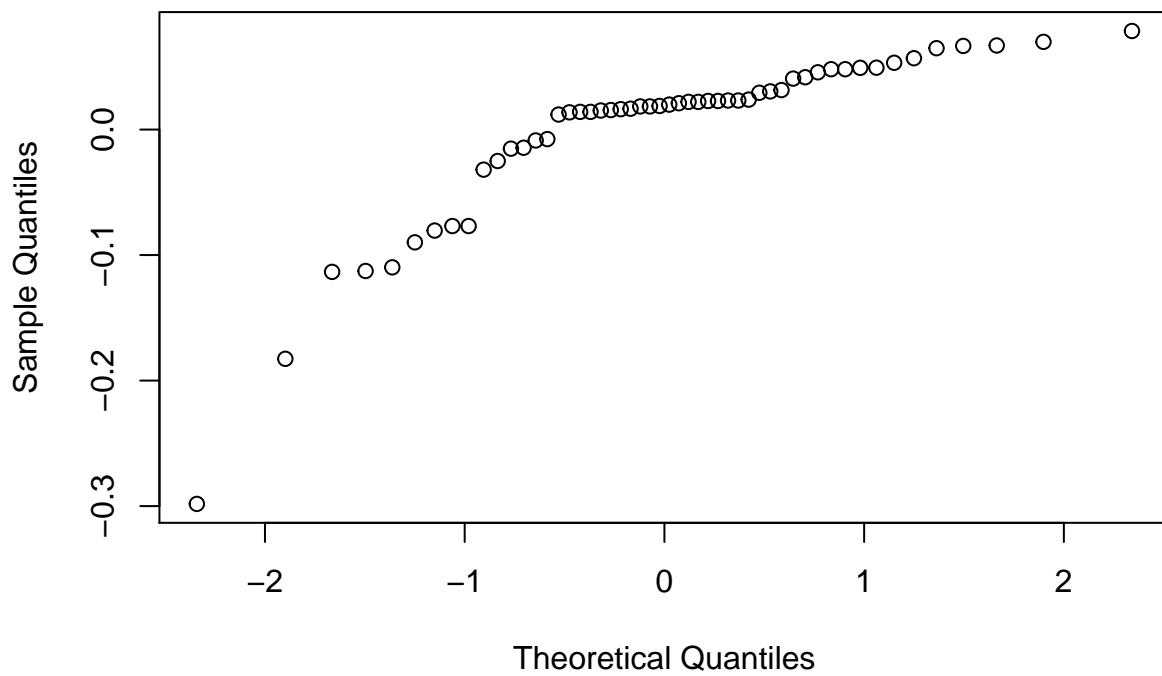
**Plot of PFOSAorig+**  
**Plot of PFOSAorigdays.since.MRF**  
**Plot of PFOSAorigEthnicity**



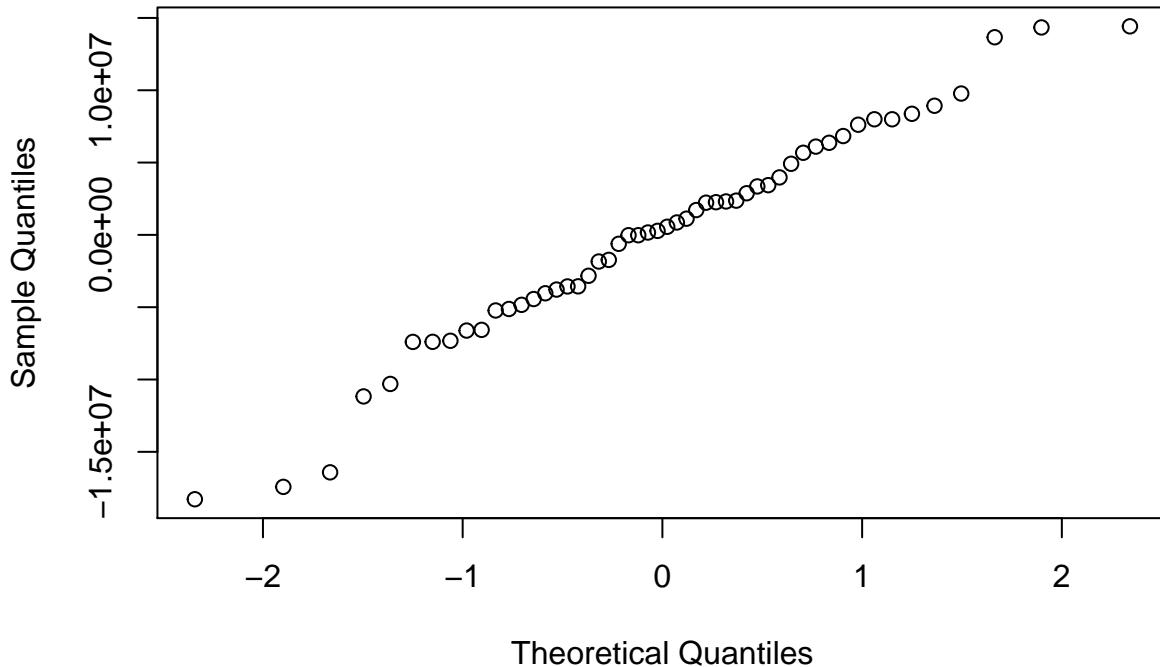
**Plot of nPFOStrans+  
Plot of nPFOStransdays.since.MRF  
Plot of nPFOStransEthnicity**



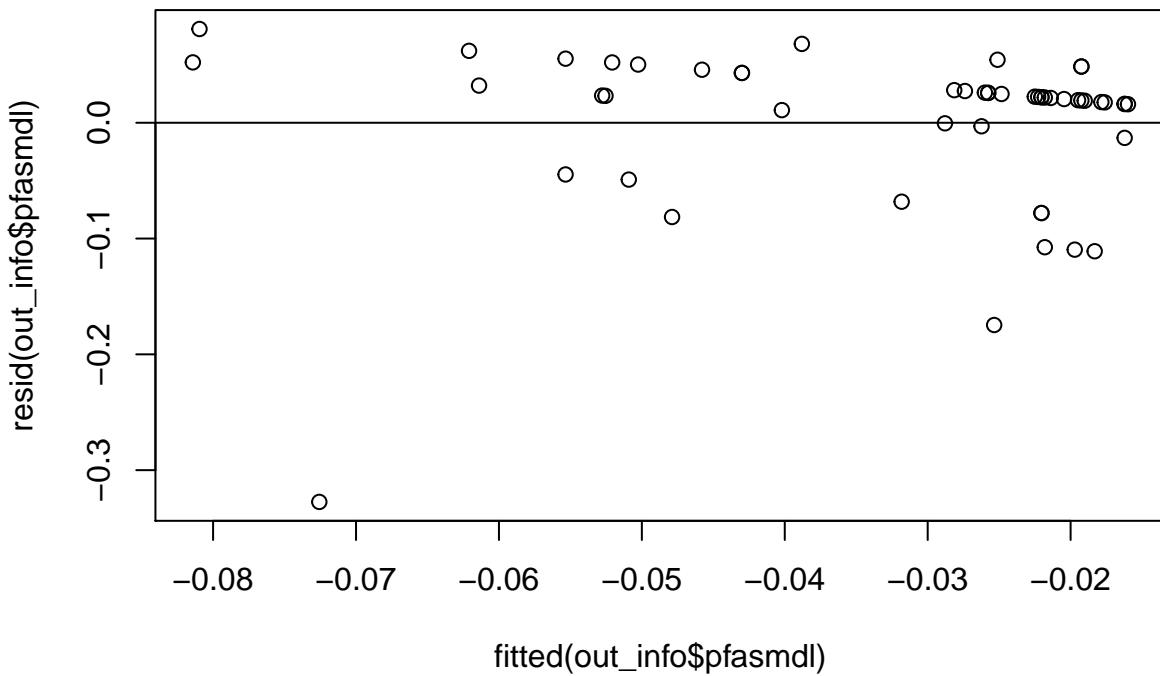
**Normal Q-Q Plot**



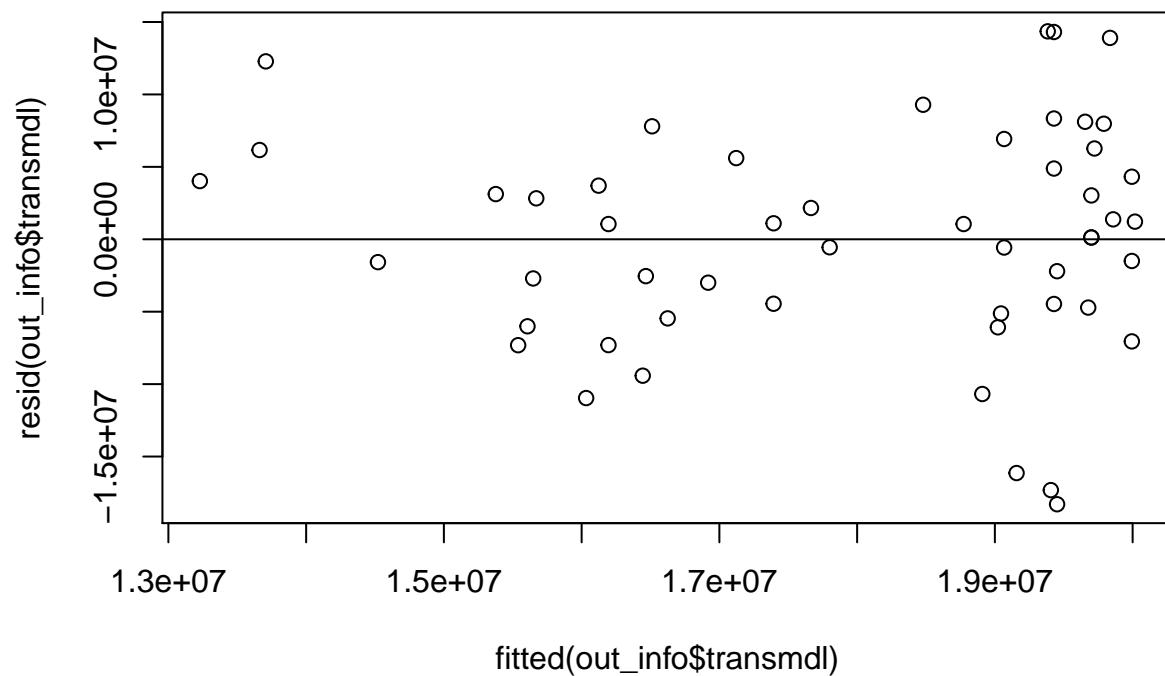
### Normal Q-Q Plot



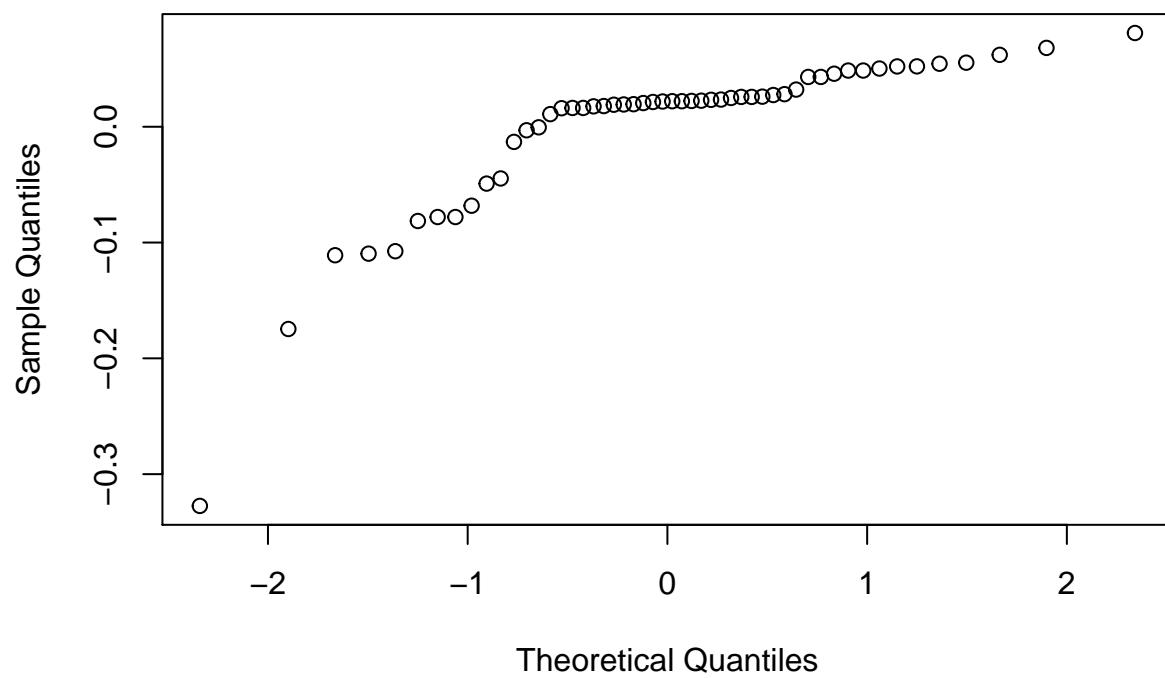
Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.struc.MRF  
Plot of PFOSAorigEthnicity



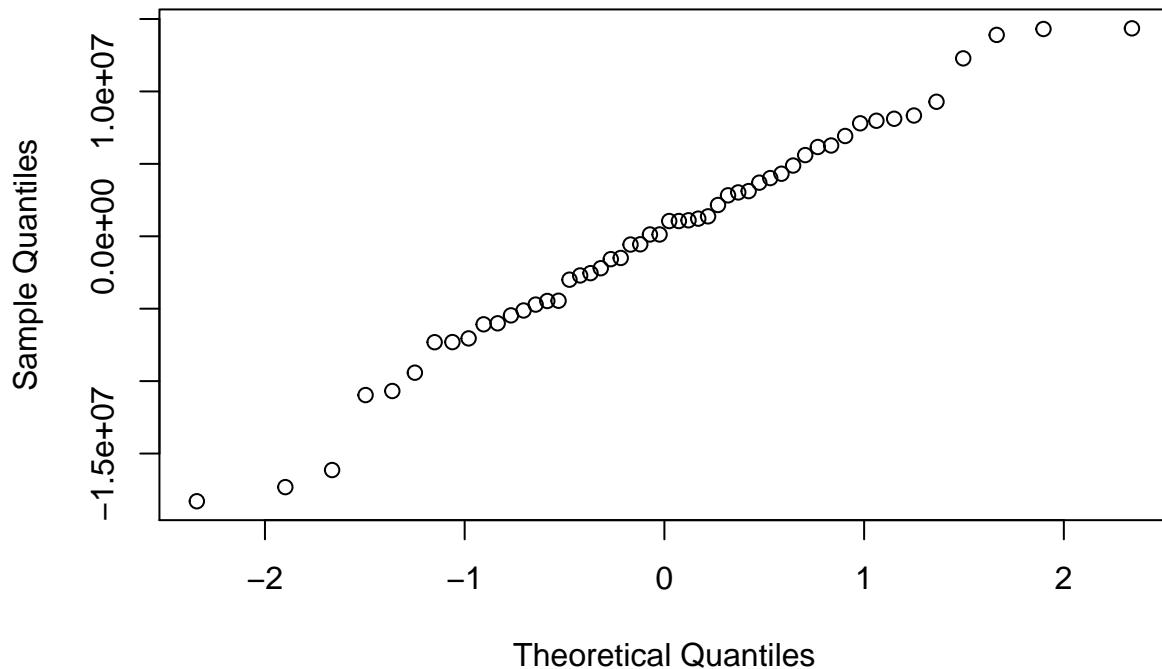
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.struc.MRF  
Plot of fnPFOStransEthnicity**



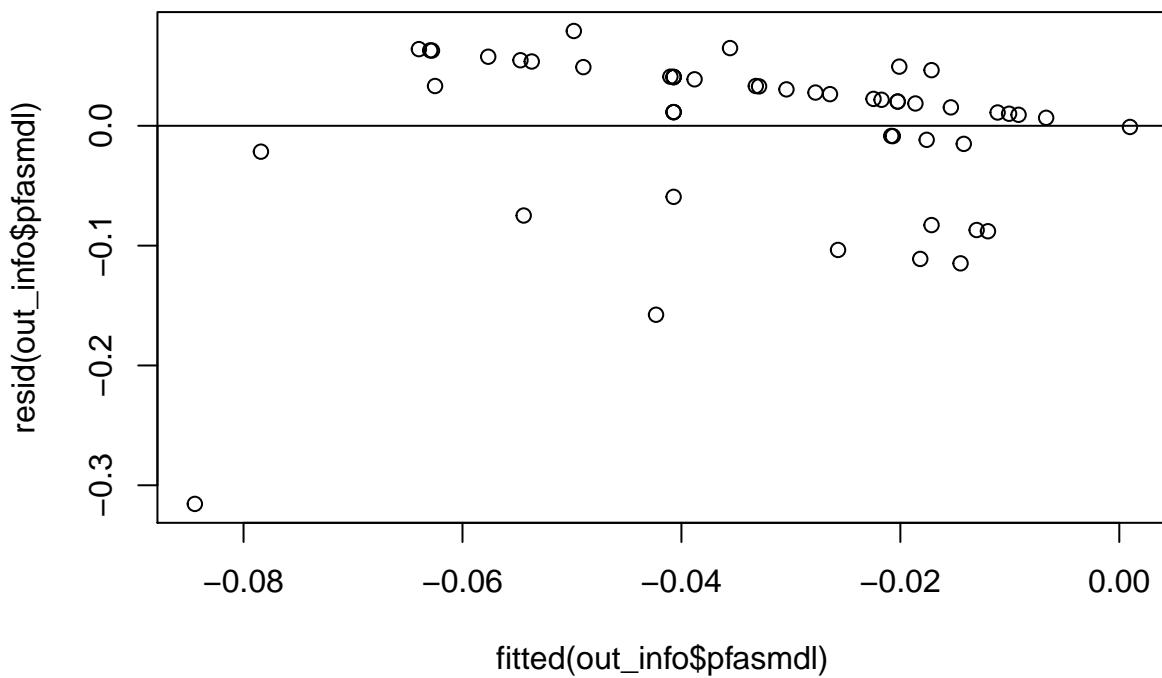
**Normal Q-Q Plot**



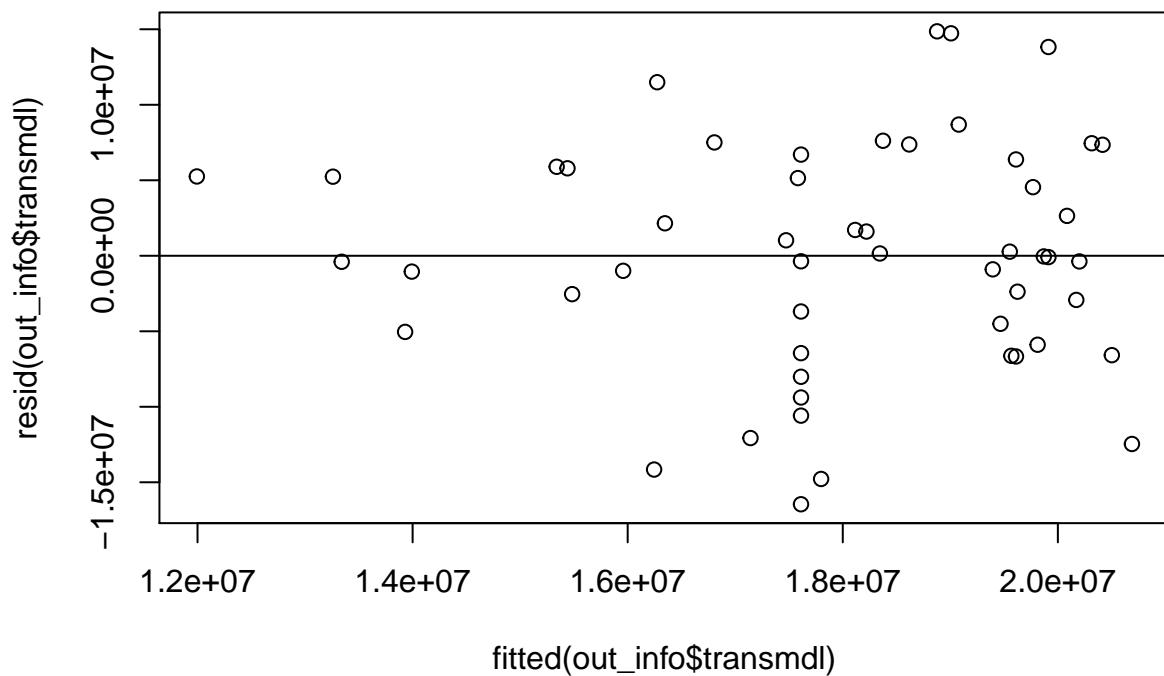
### Normal Q-Q Plot



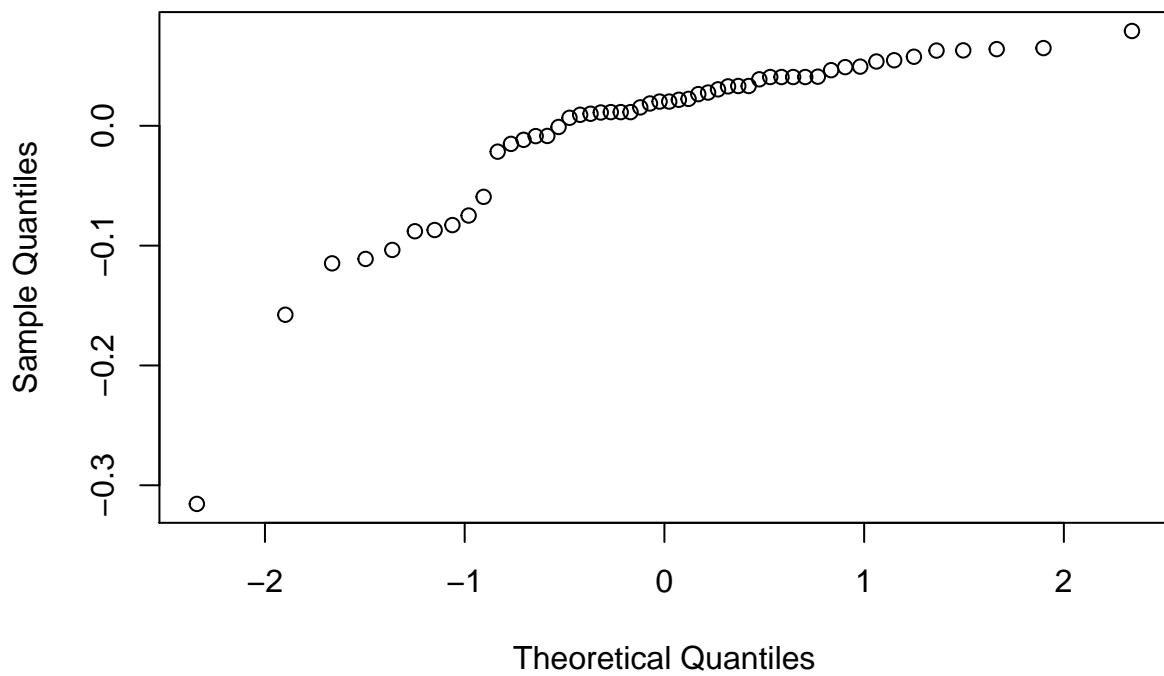
**Plot of PFOSAorig+**  
**Plot of PFOSAorigtime.since.baseline**  
**Plot of PFOSAorigEthnicity**



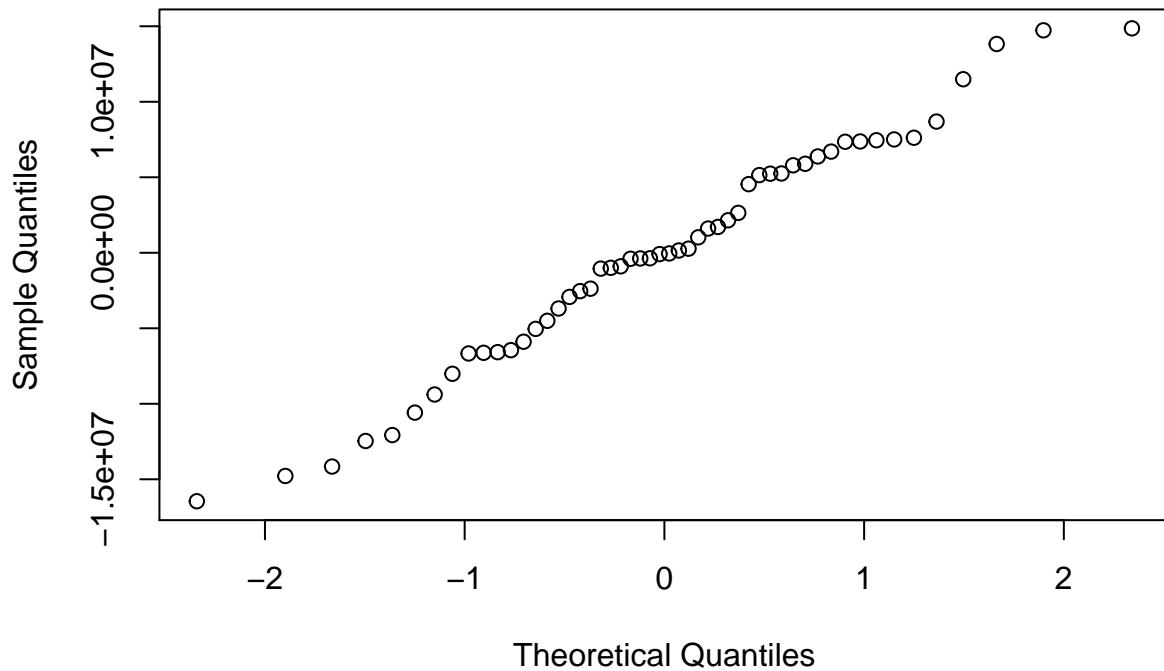
**Plot of nPFOStrans+  
Plot of nPFOStranstime.since.baseline  
Plot of nPFOStransEthnicity**



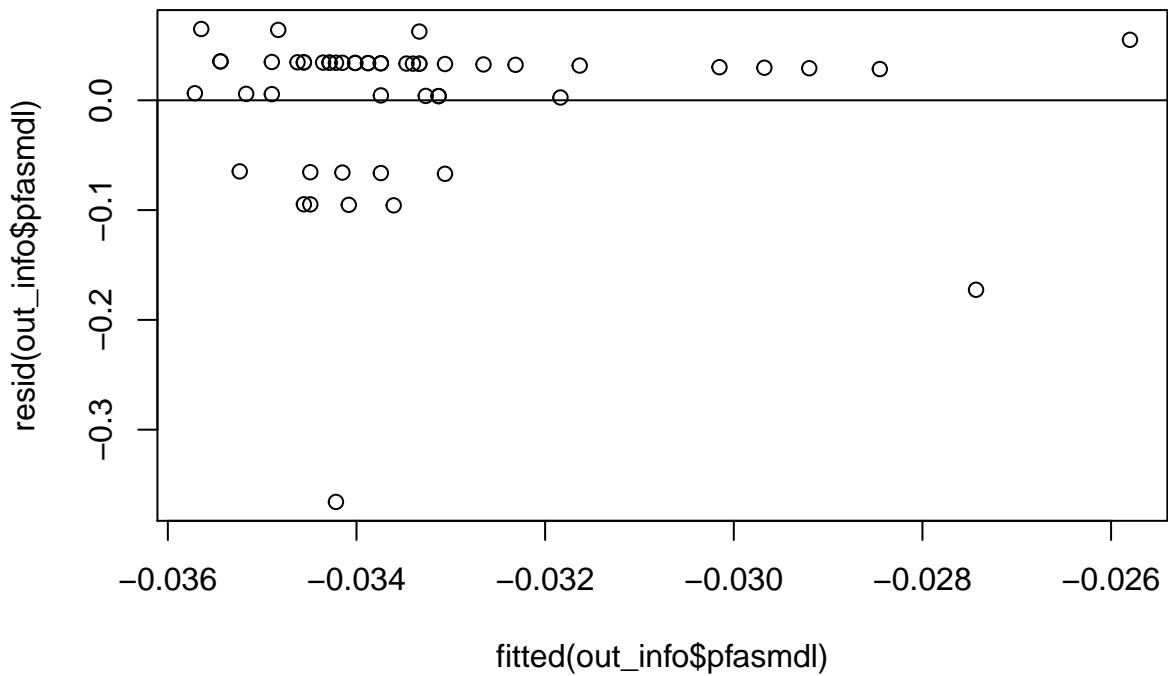
**Normal Q-Q Plot**



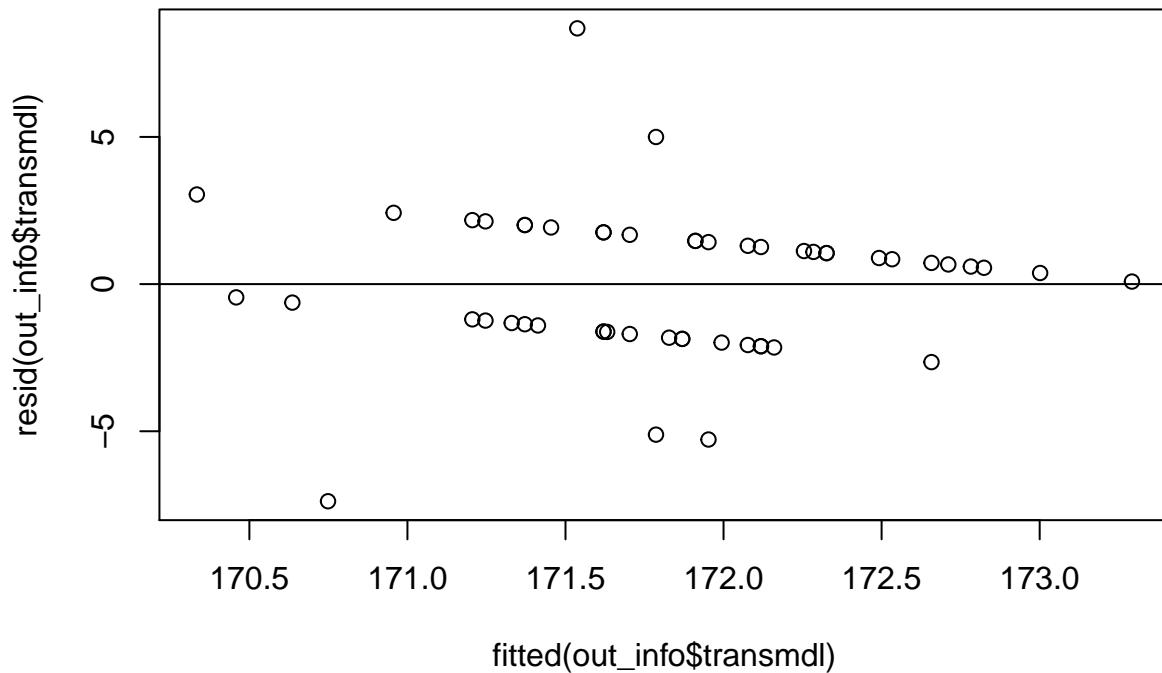
### Normal Q-Q Plot



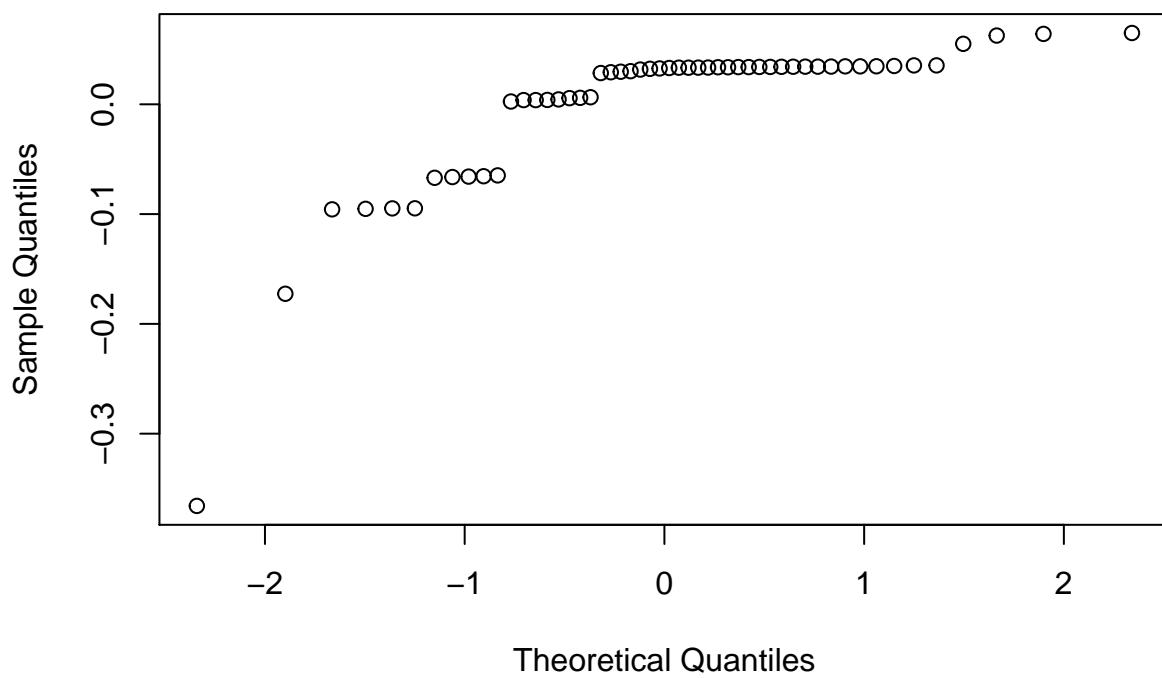
**Plot of PFOSAorig+  
Plot of PFOSAorigtotal.num.fireruns  
Plot of PFOSAorigEthnicity**



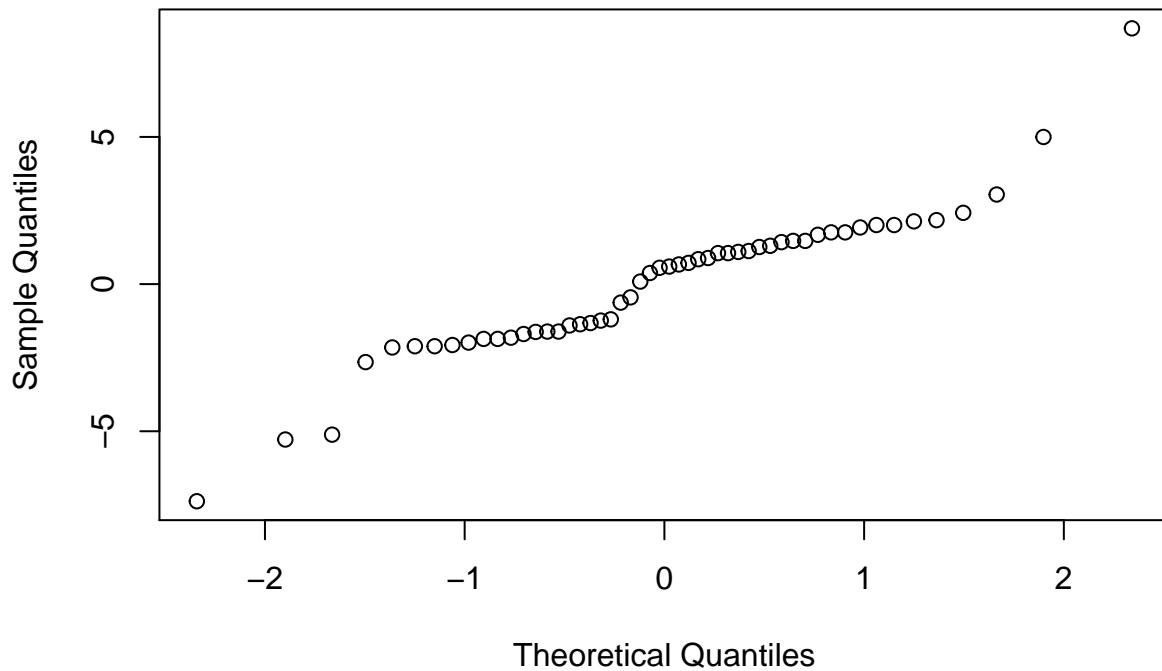
**Plot of PFDEAtrans+  
Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



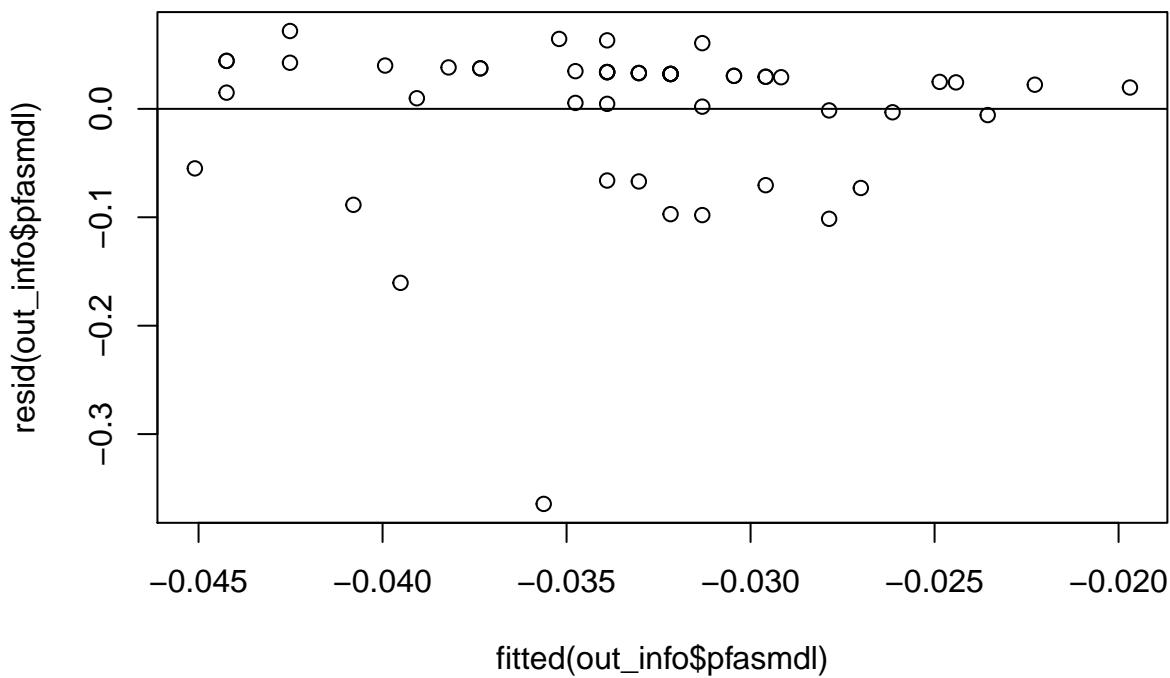
**Normal Q-Q Plot**



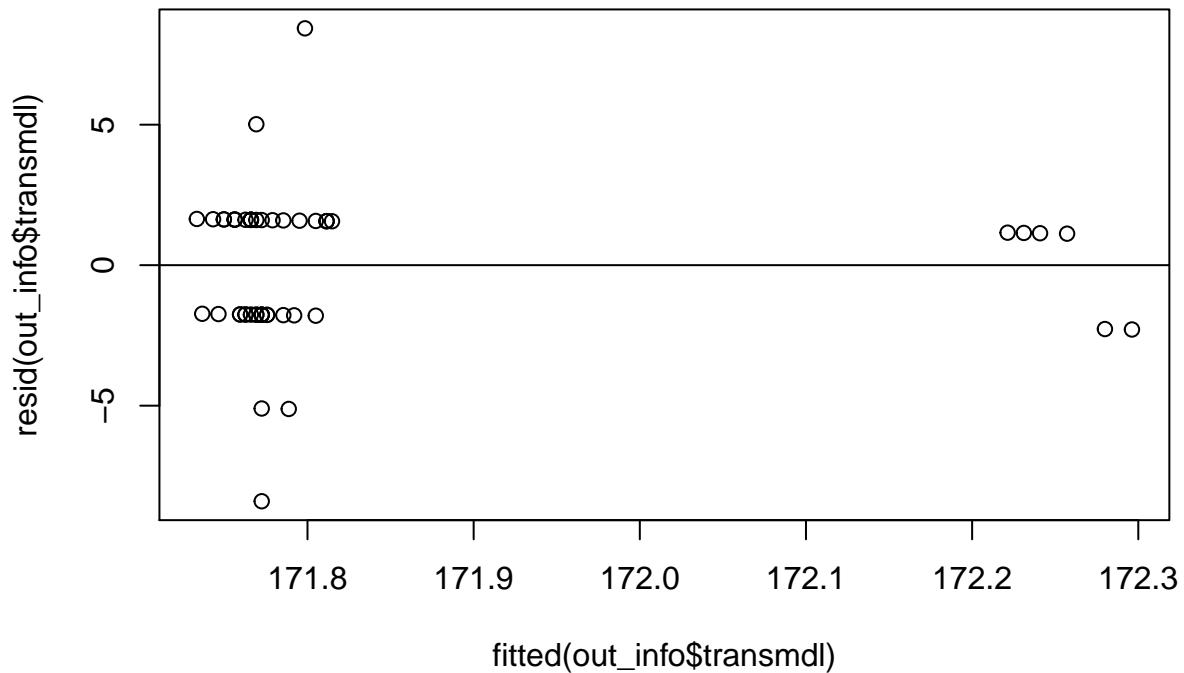
### Normal Q-Q Plot



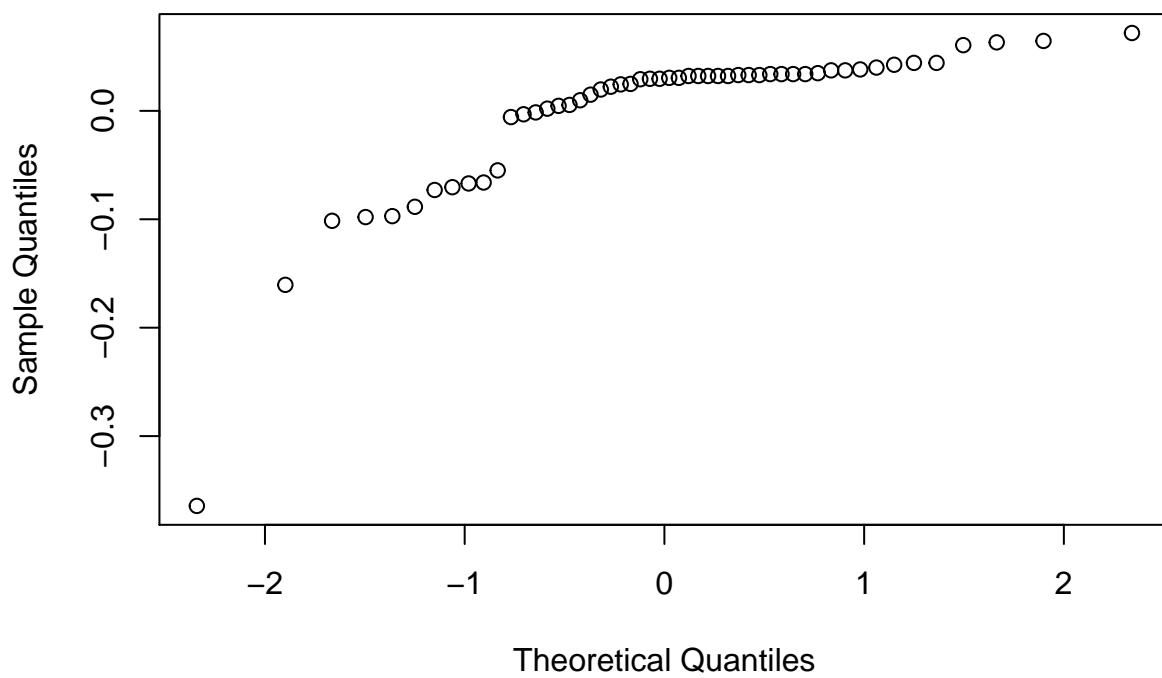
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



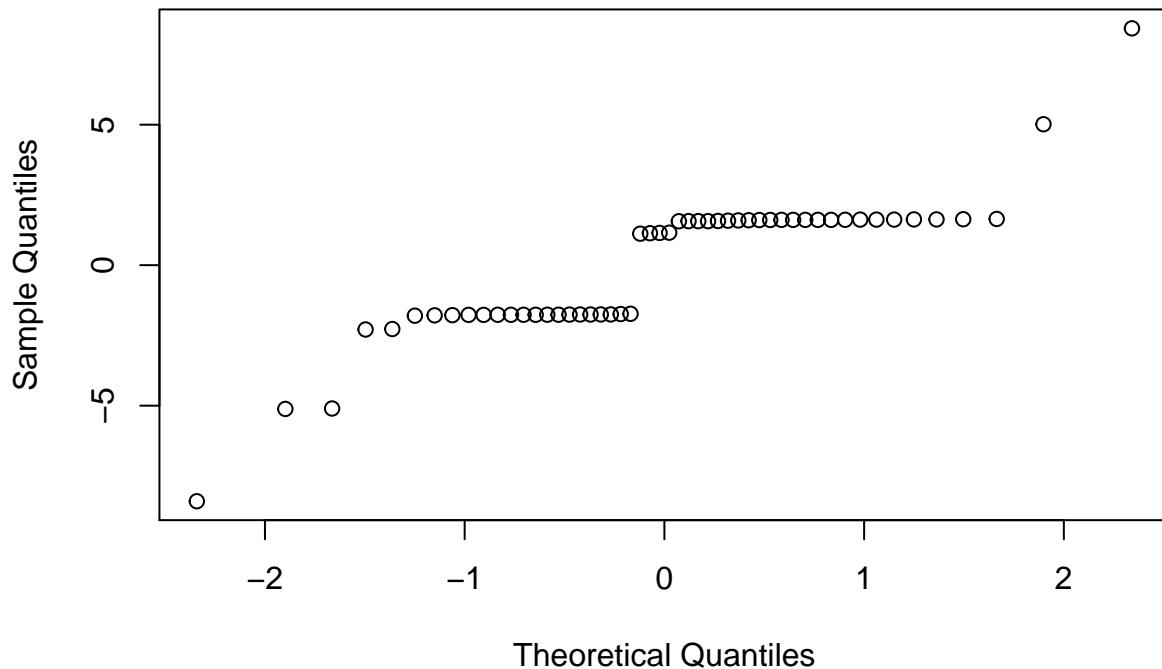
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Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



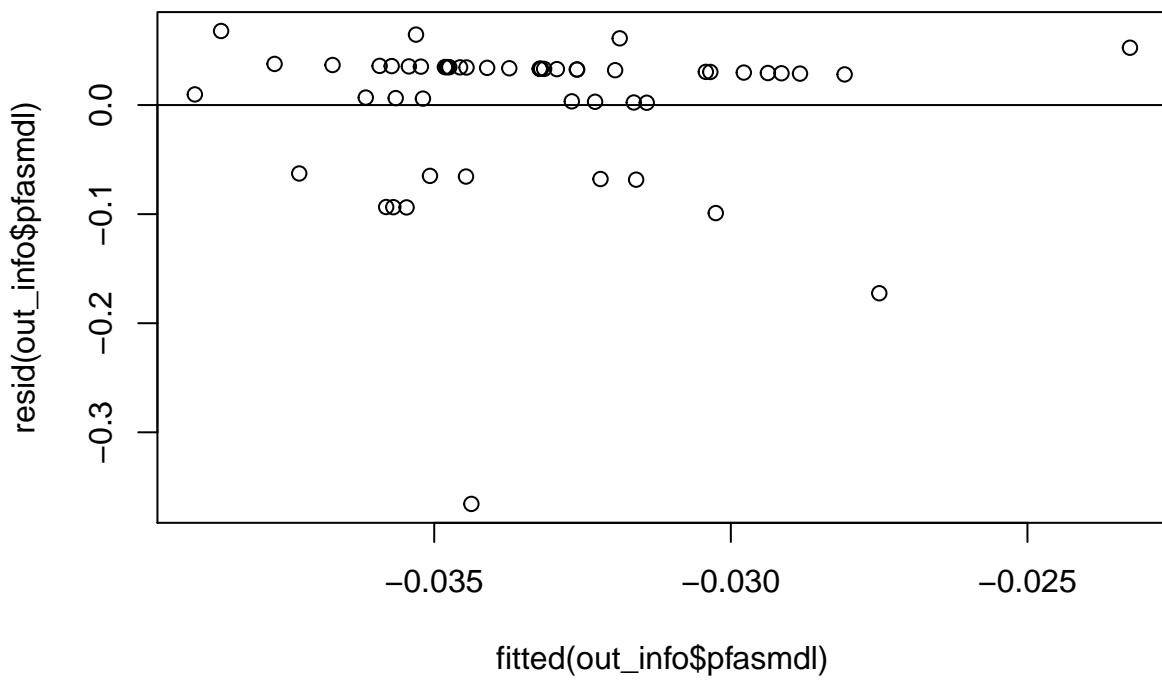
**Normal Q-Q Plot**



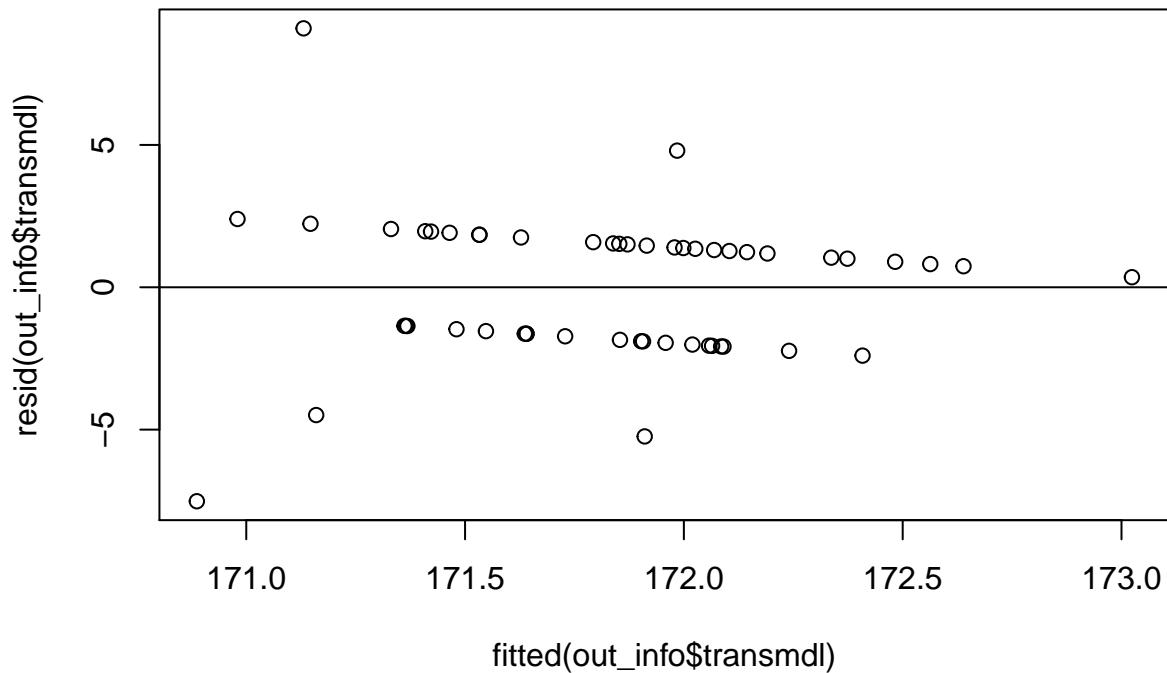
### Normal Q-Q Plot



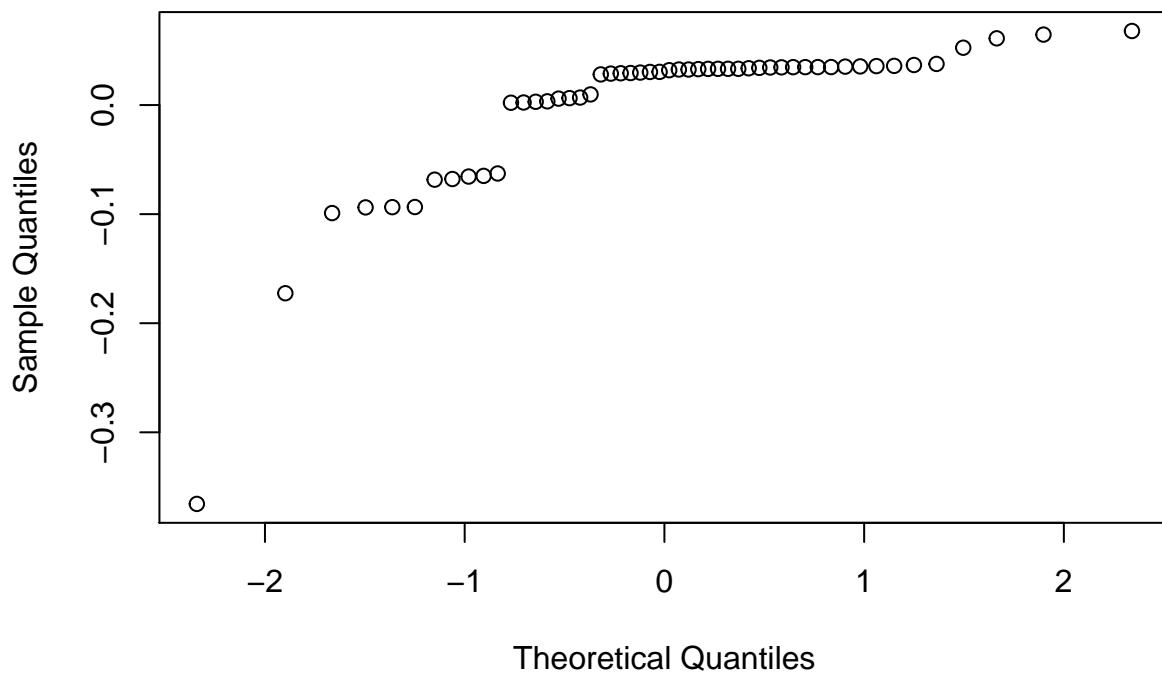
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.duration.hrs  
Plot of PFOSAorigEthnicity



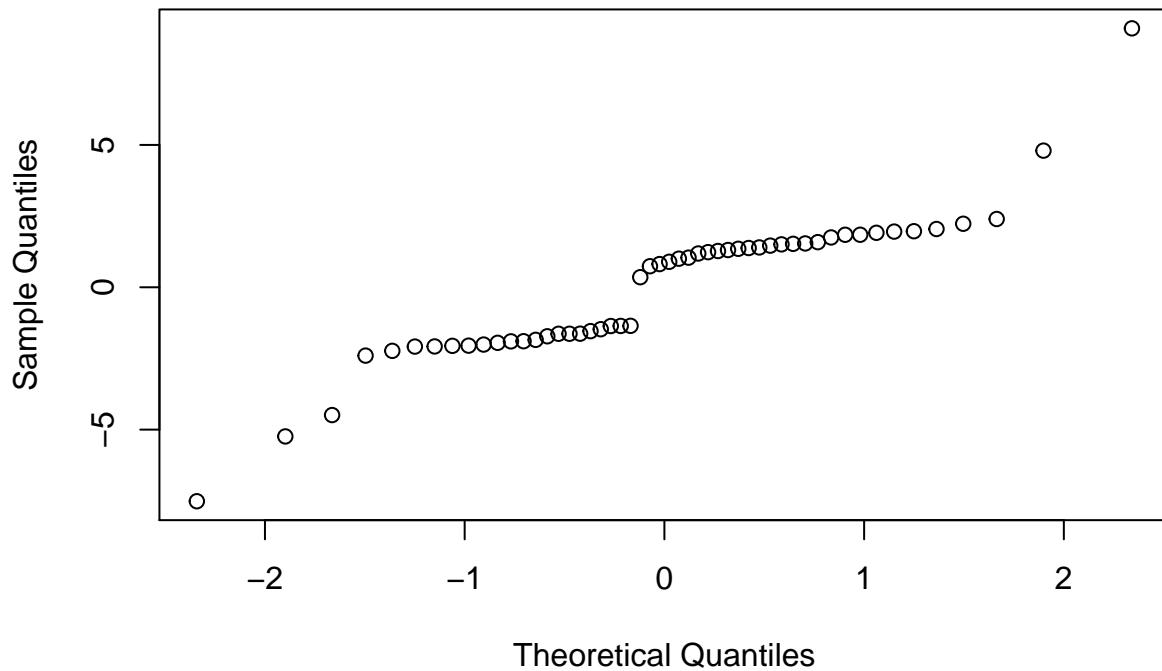
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Plot of PFDEAtran\$total.duration.hrs  
Plot of PFDEAtransEthnicity**



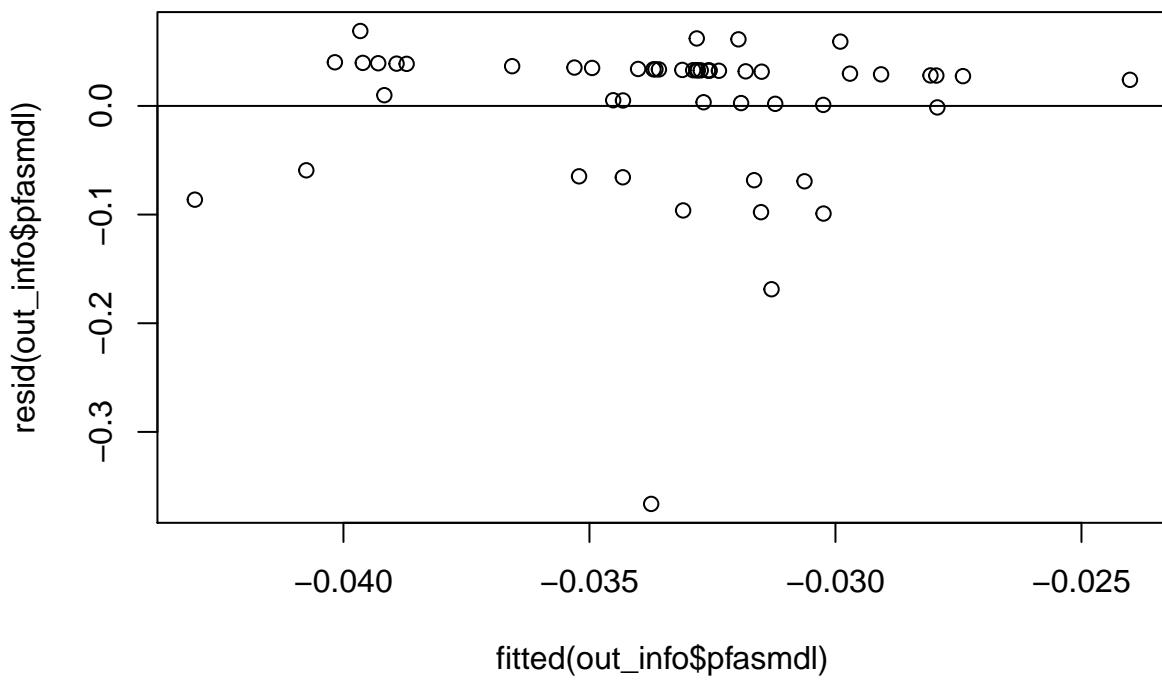
**Normal Q-Q Plot**



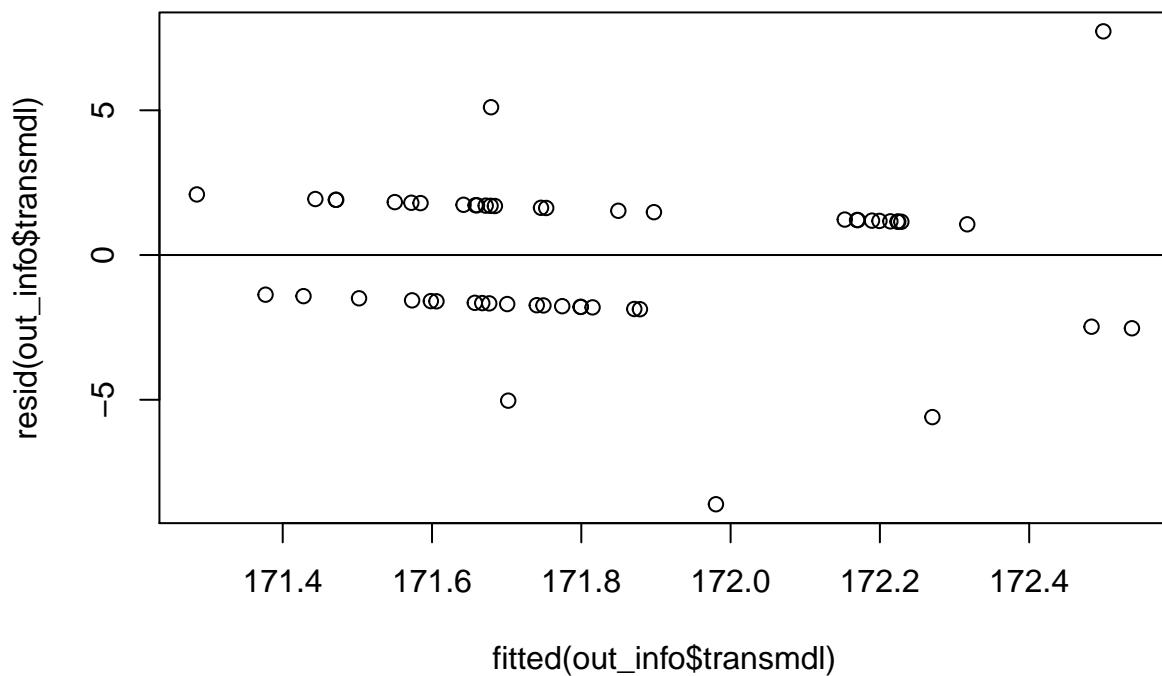
### Normal Q-Q Plot



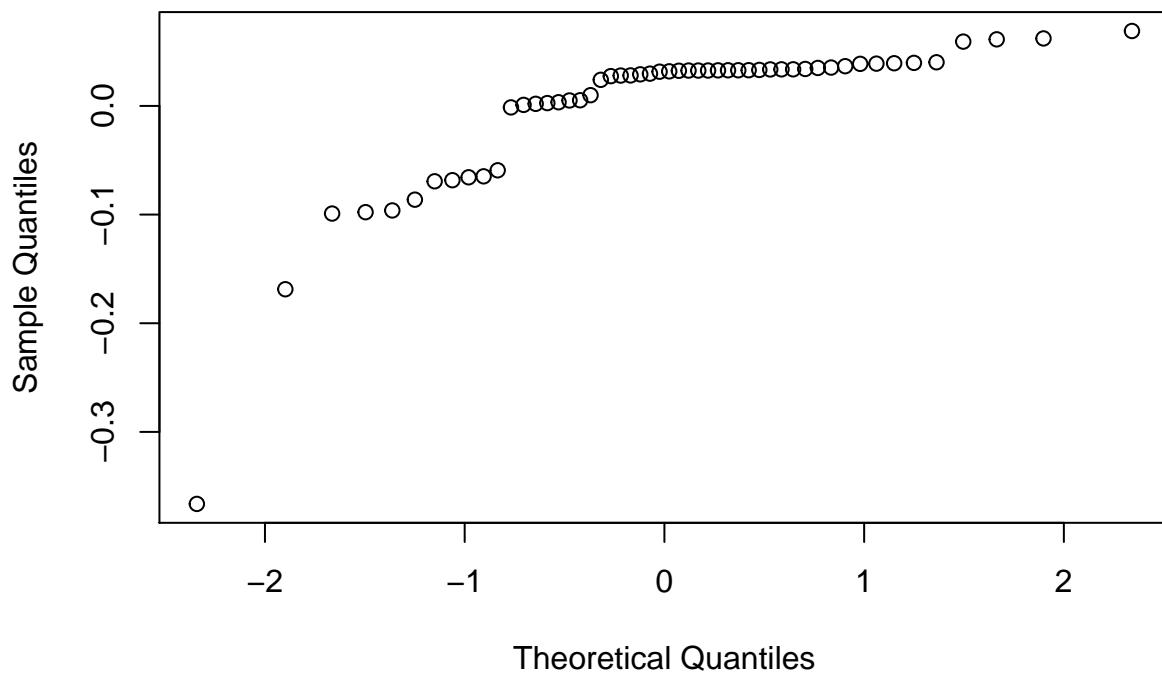
Plot of PFOSAorig+  
Plot of PFOSAorigstr.duration.hrs  
Plot of PFOSAorigEthnicity



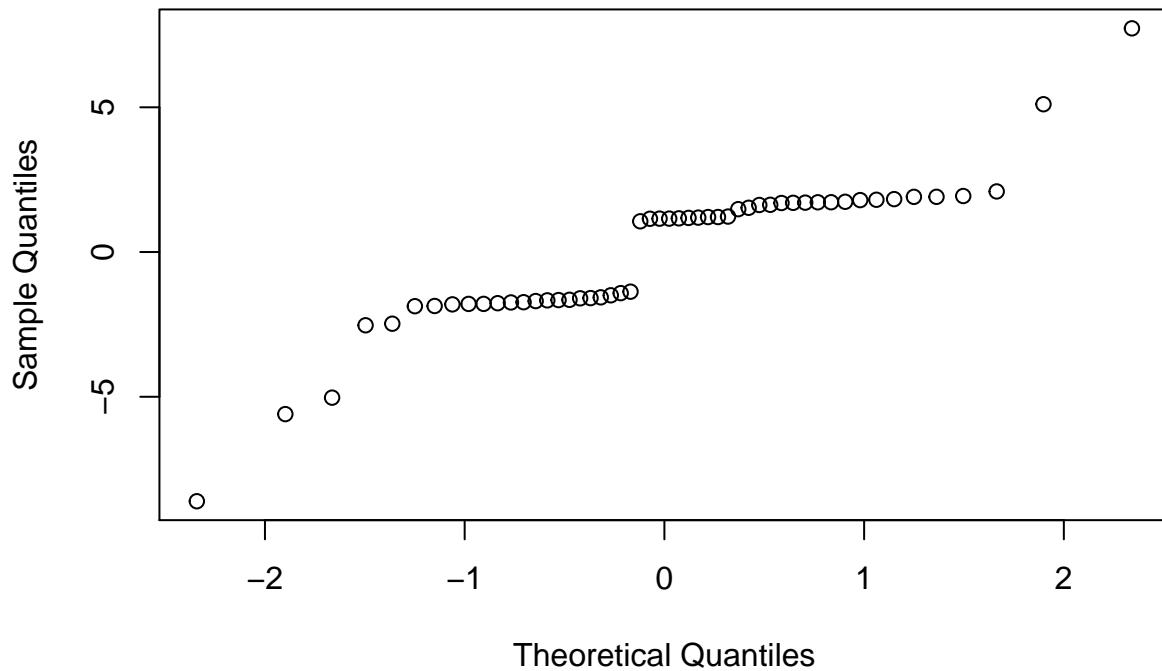
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



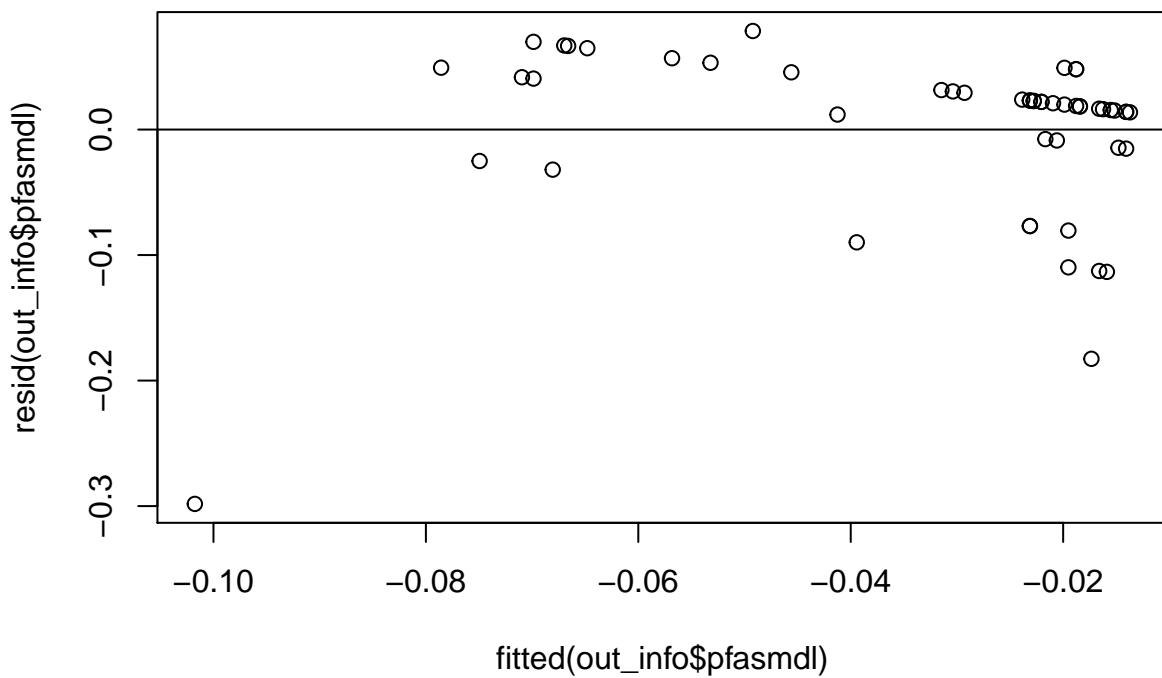
**Normal Q-Q Plot**



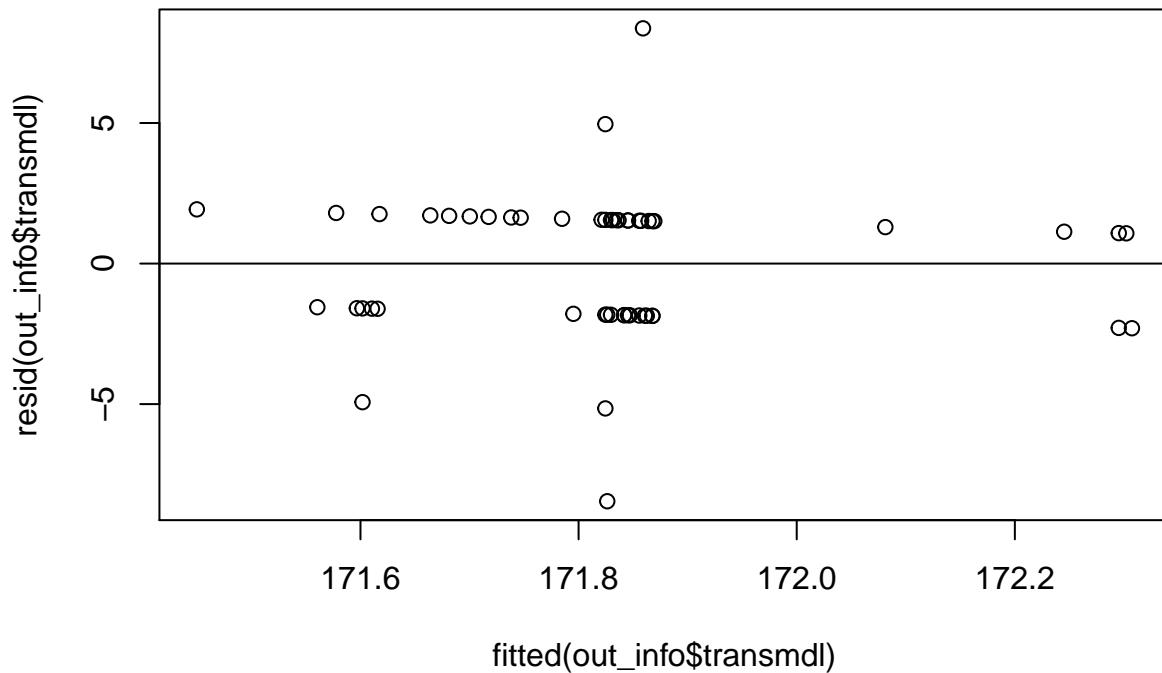
### Normal Q-Q Plot



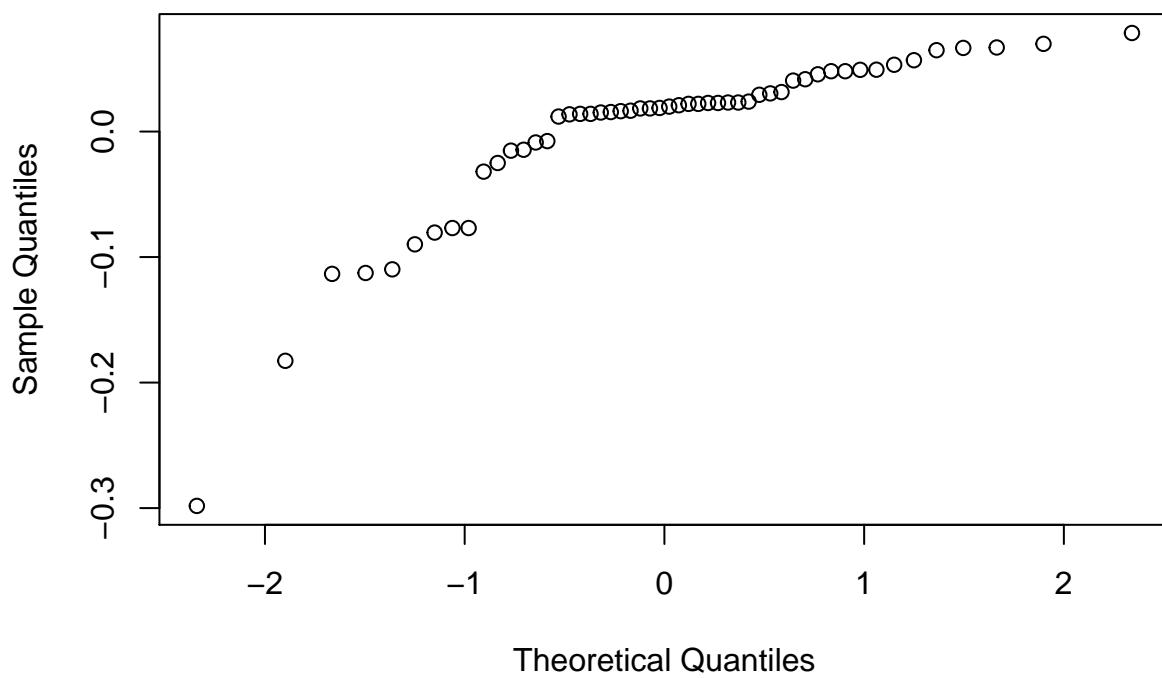
**Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.MRF  
Plot of PFOSAorigEthnicity**



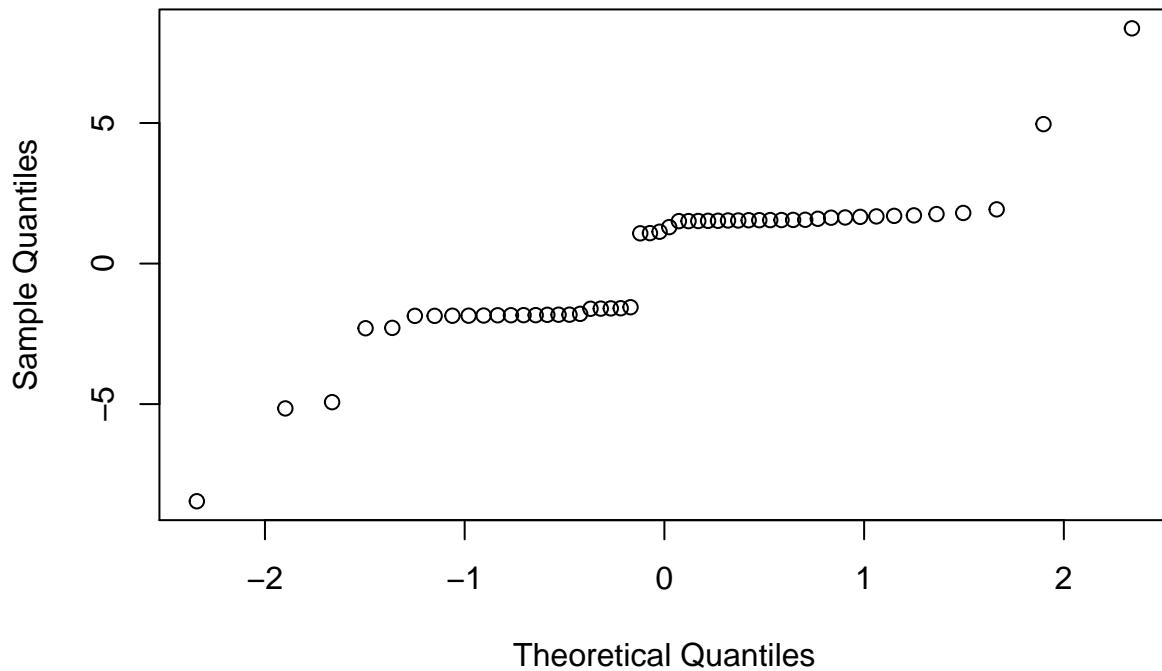
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



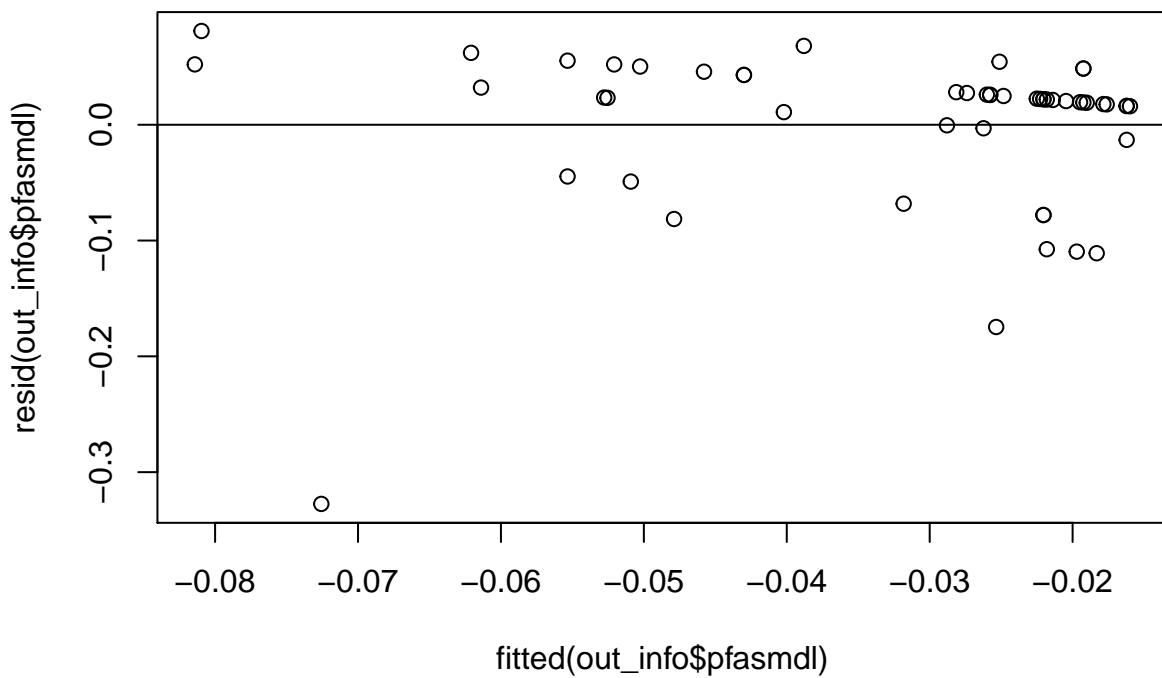
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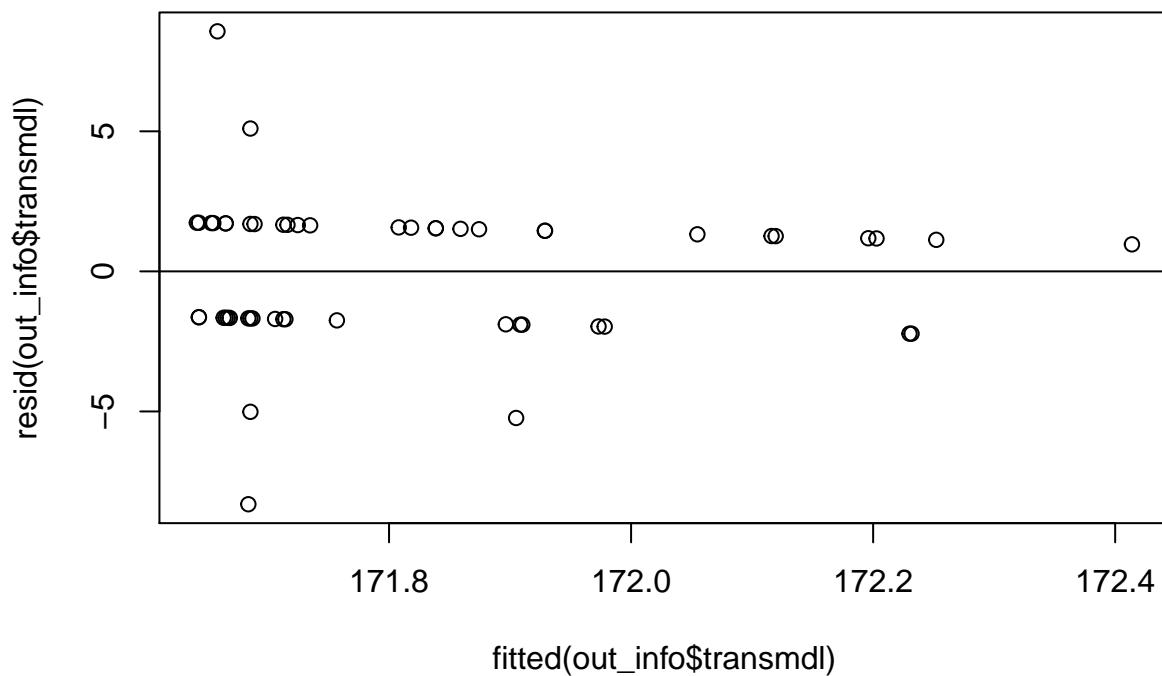
### Normal Q-Q Plot



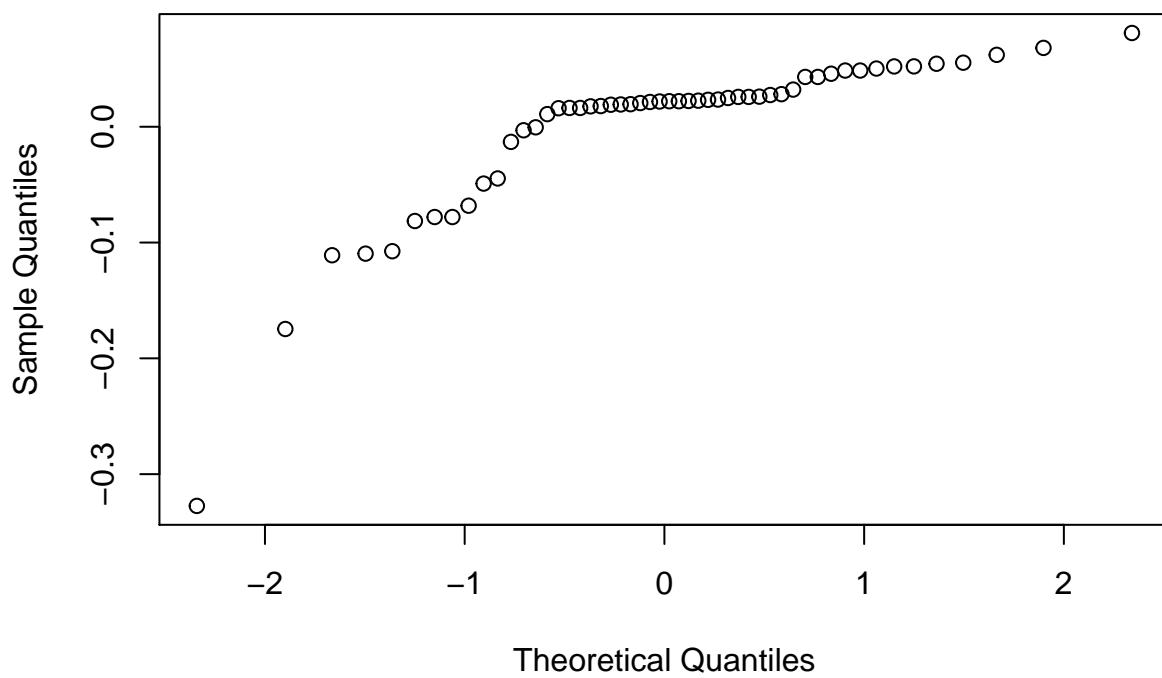
**Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.struc.MRF  
Plot of PFOSAorigEthnicity**



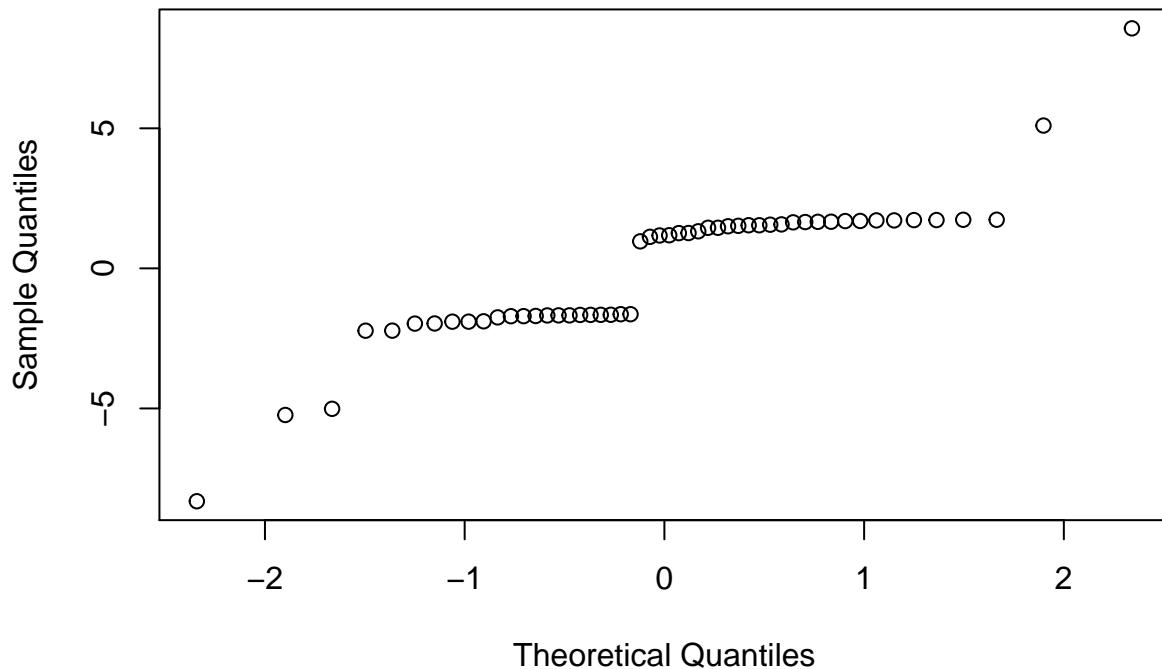
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Plot of PFDEAtransdays.since.struc.MRF  
Plot of PFDEAtransEthnicity**



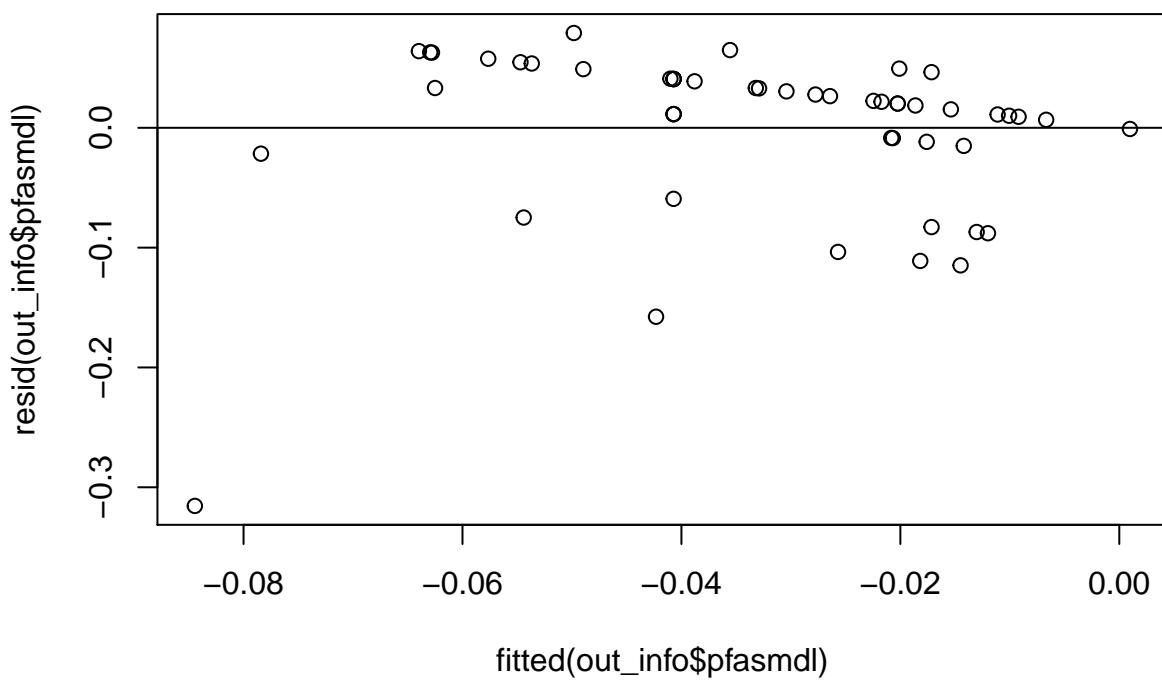
**Normal Q-Q Plot**



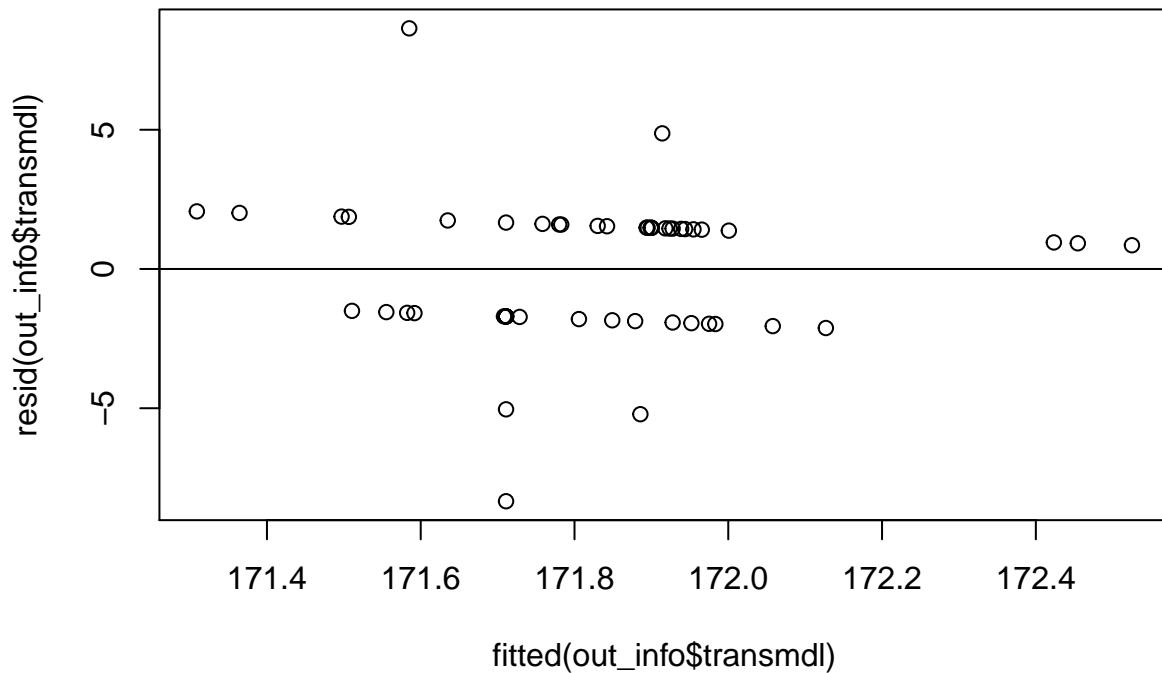
### Normal Q-Q Plot



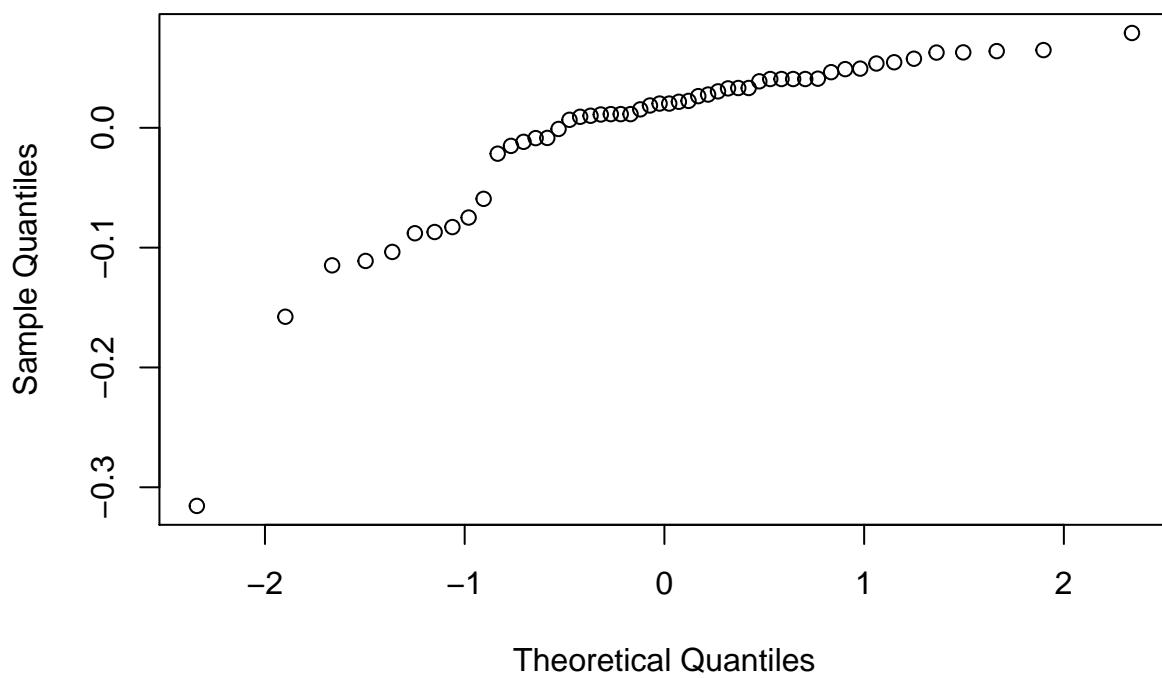
**Plot of PFOSAorig+  
Plot of PFOSAorigtime.since.baseline  
Plot of PFOSAorigEthnicity**



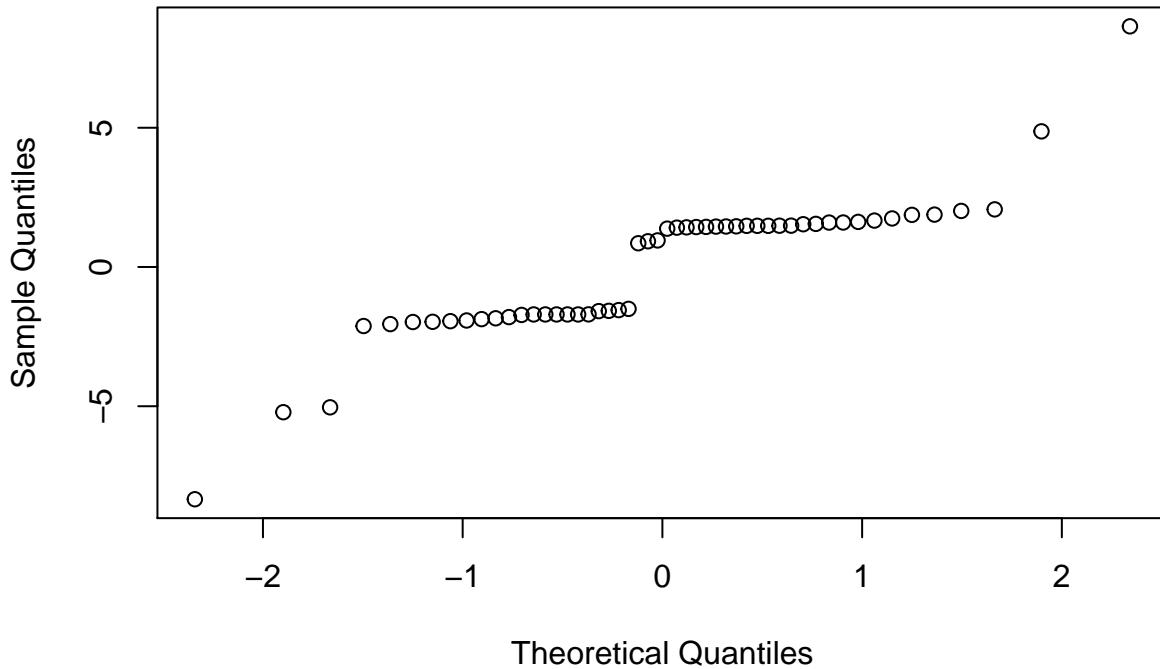
**Plot of PFDEAtrans+  
Plot of PFDEAtranstime.since.baseline  
Plot of PFDEAtransEthnicity**



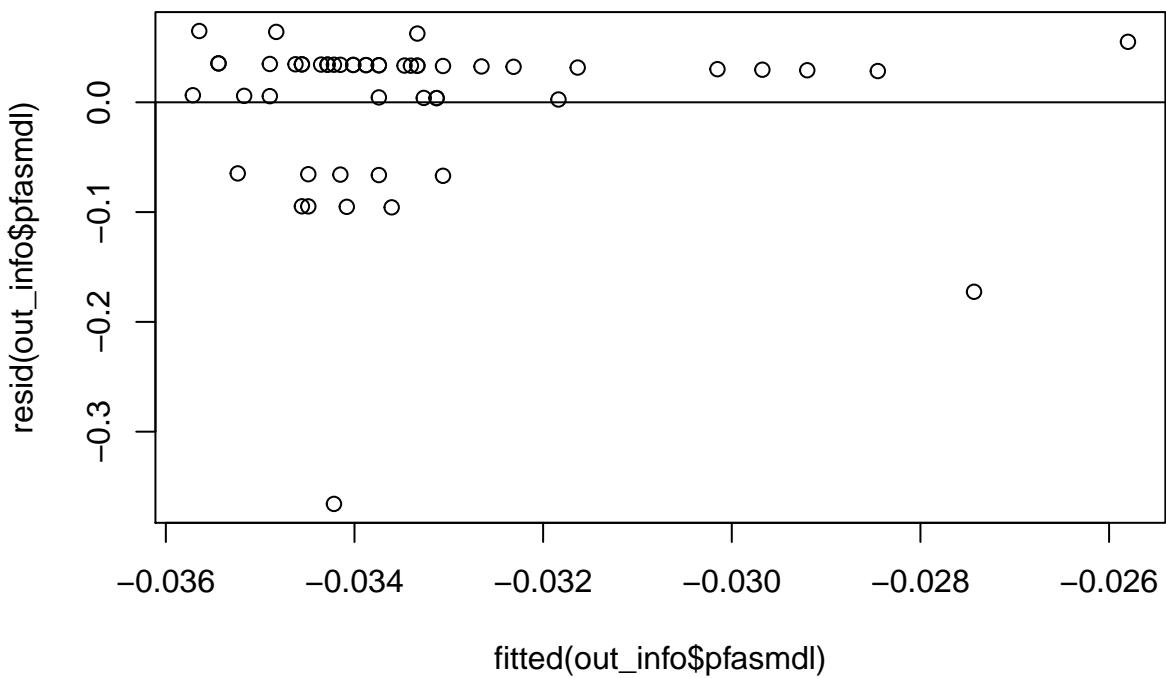
**Normal Q-Q Plot**



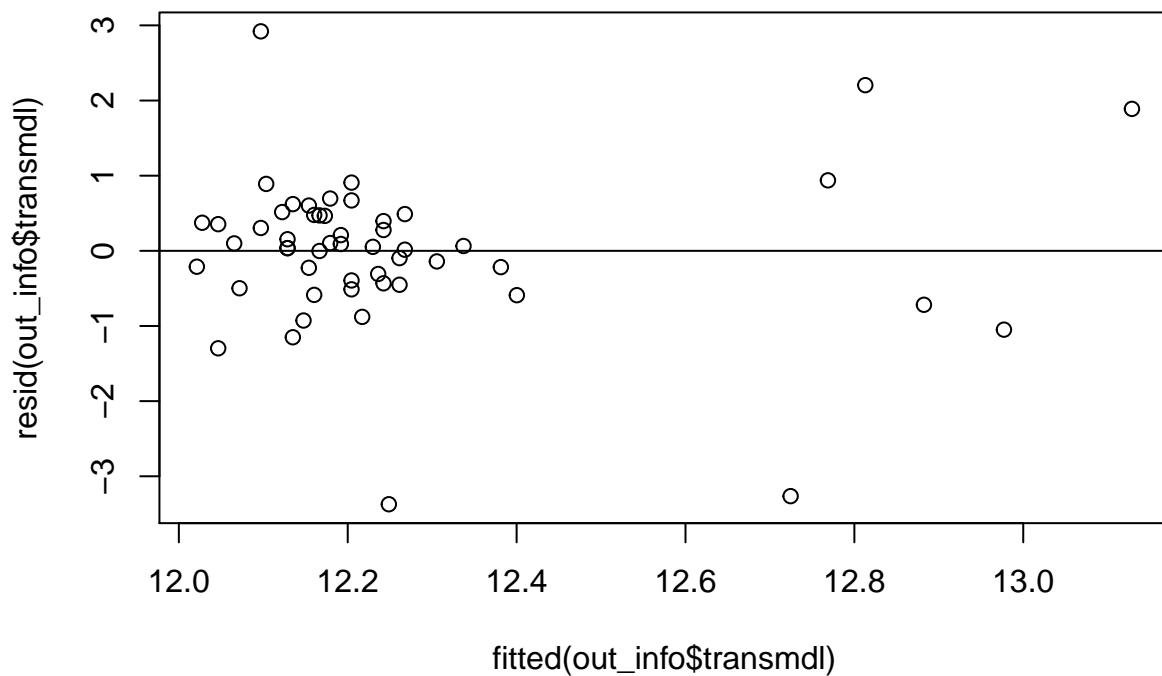
### Normal Q-Q Plot



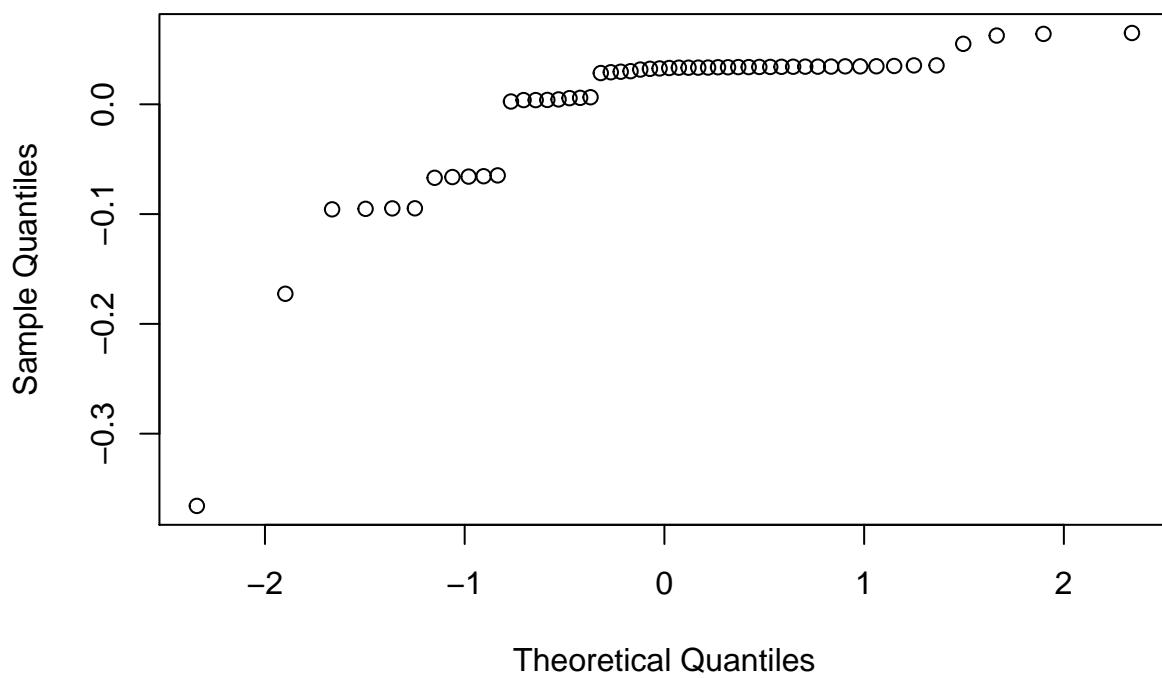
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.num.fireruns  
Plot of PFOSAorigEthnicity



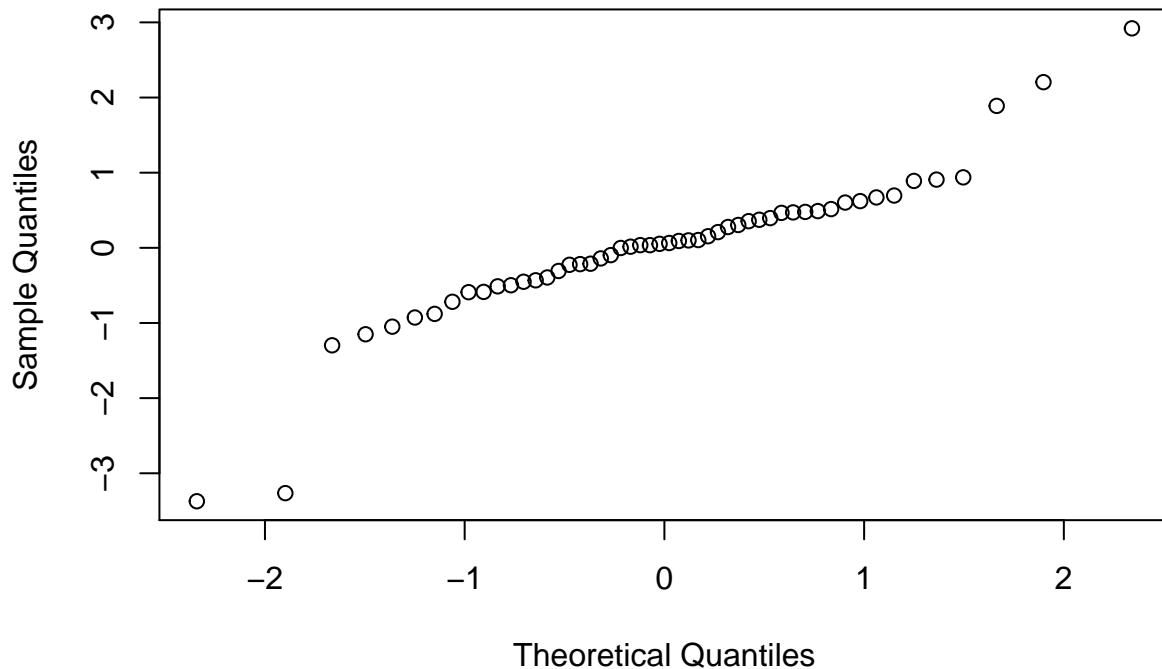
**Plot of PFHXStrans+  
Plot of PFHXStran total.num.fireruns  
Plot of PFHXStransEthnicity**



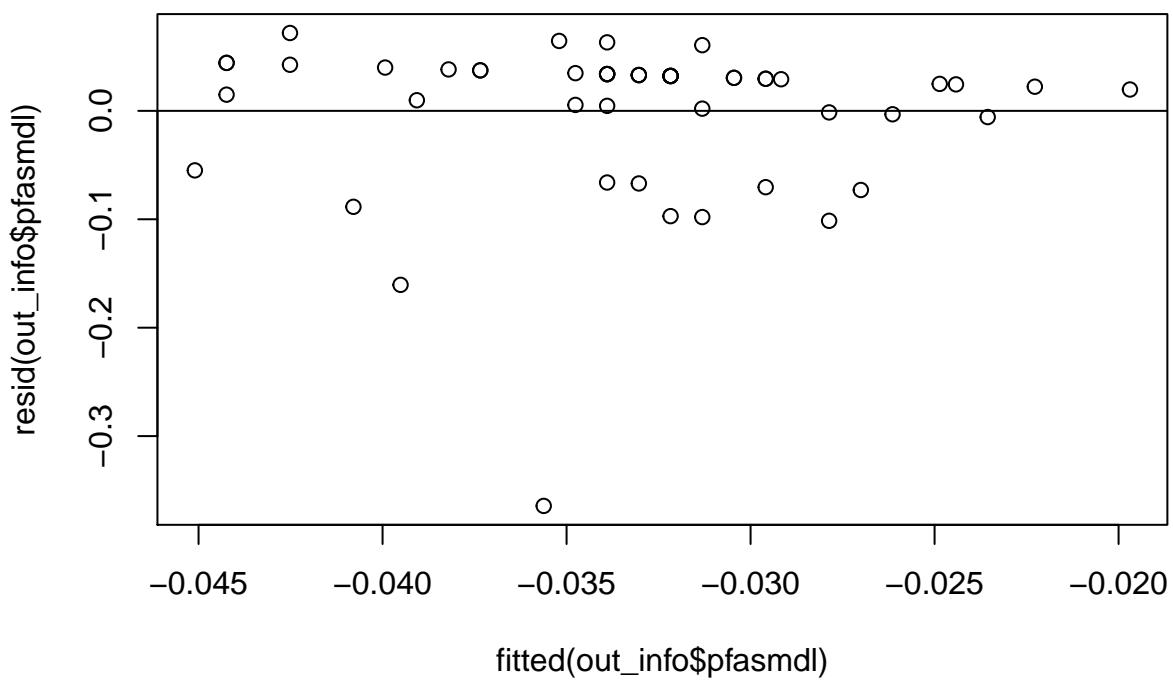
**Normal Q-Q Plot**



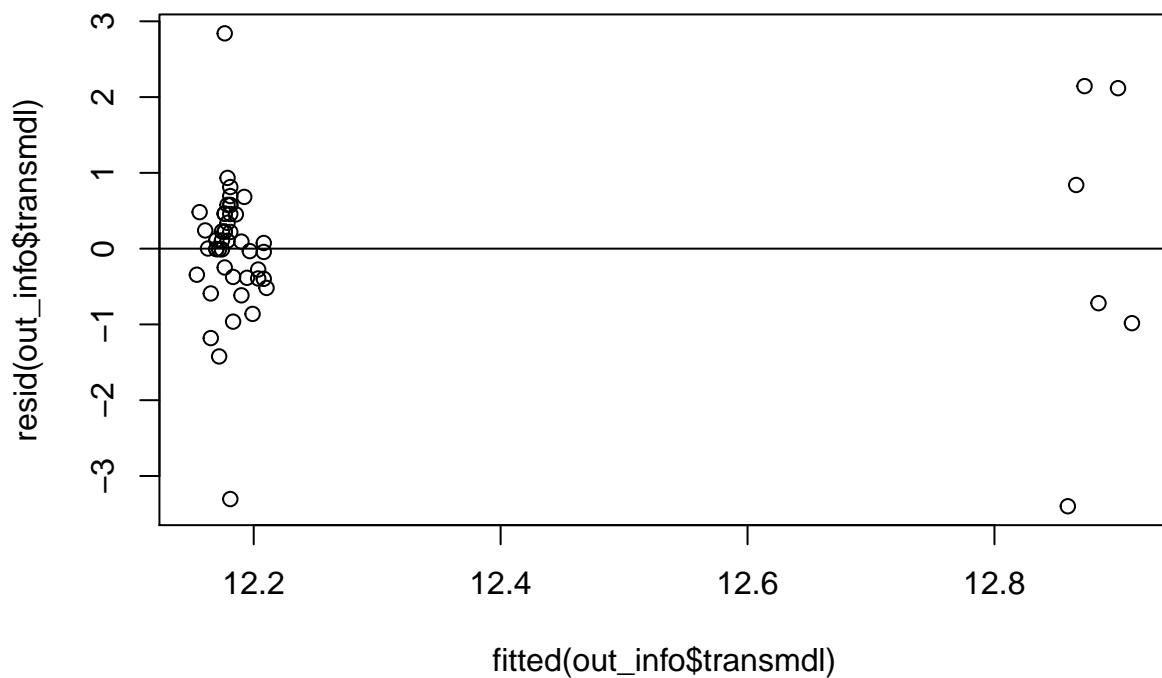
### Normal Q-Q Plot



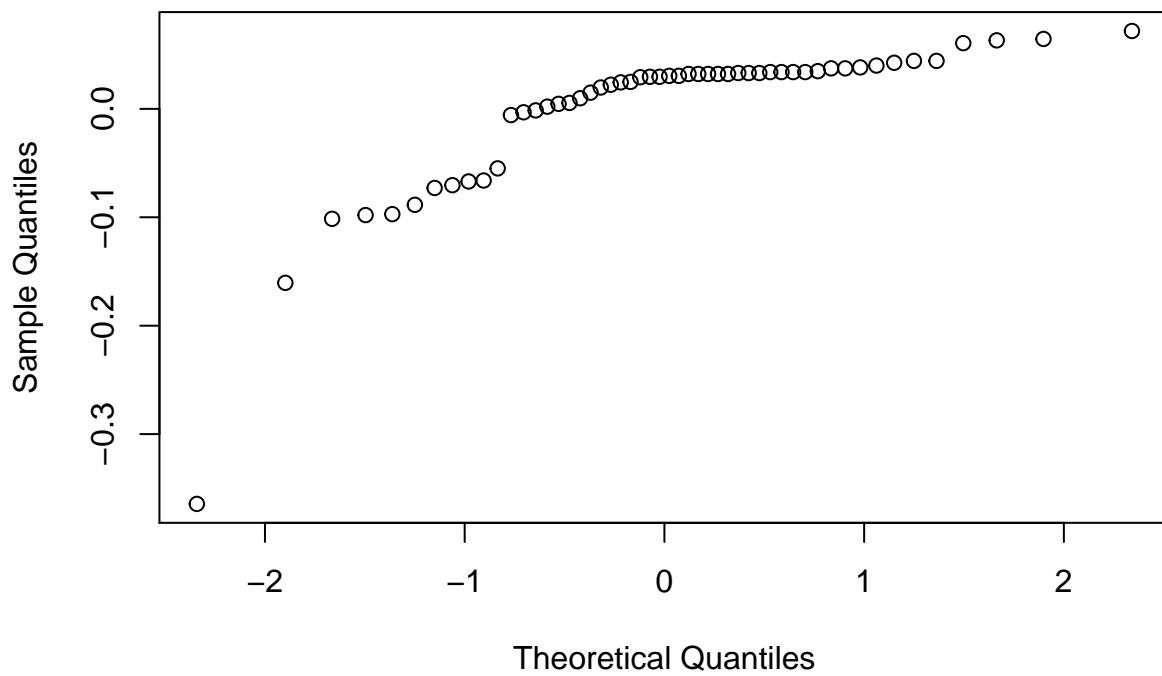
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



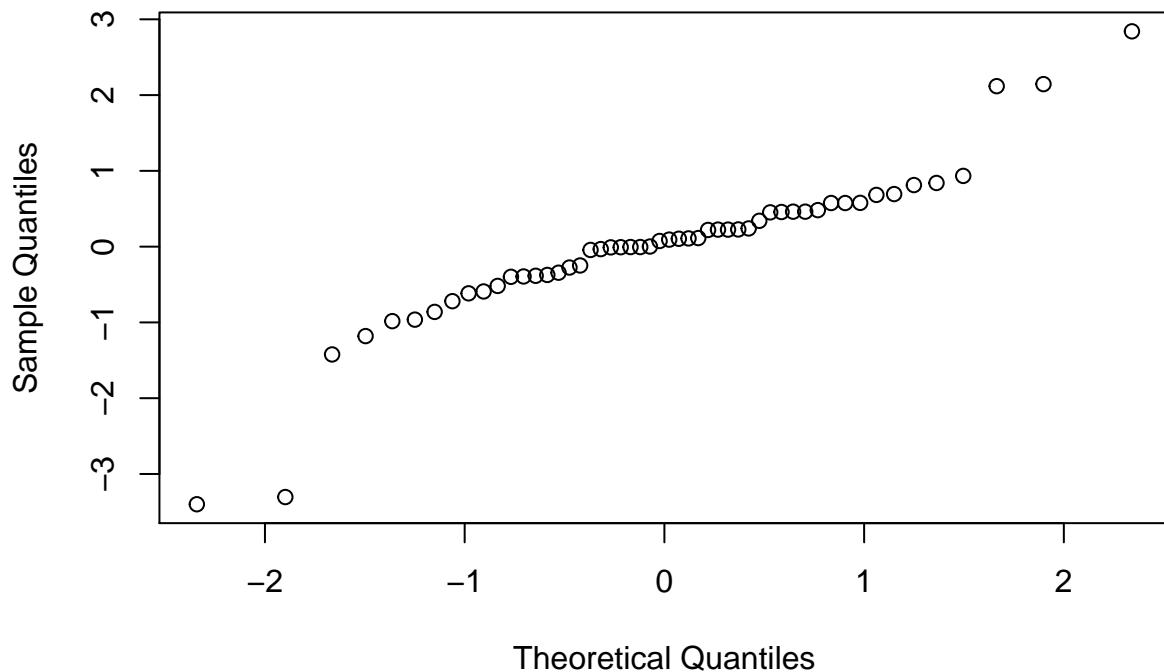
**Plot of PFHXStrans+  
Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



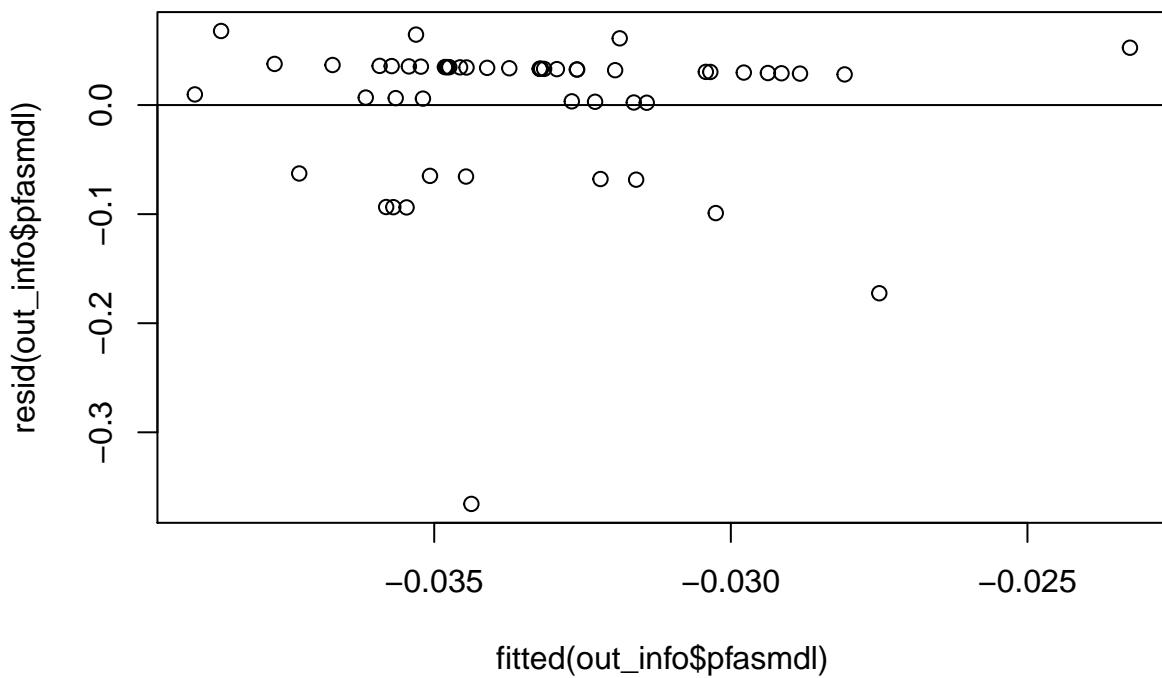
**Normal Q-Q Plot**



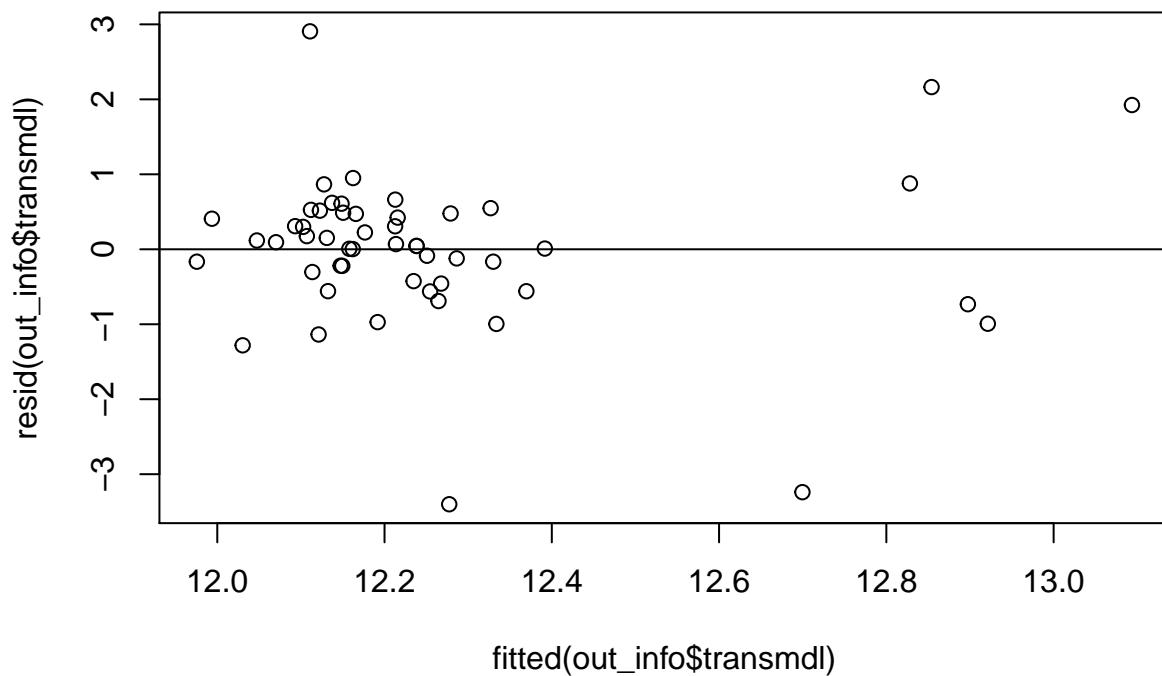
### Normal Q-Q Plot



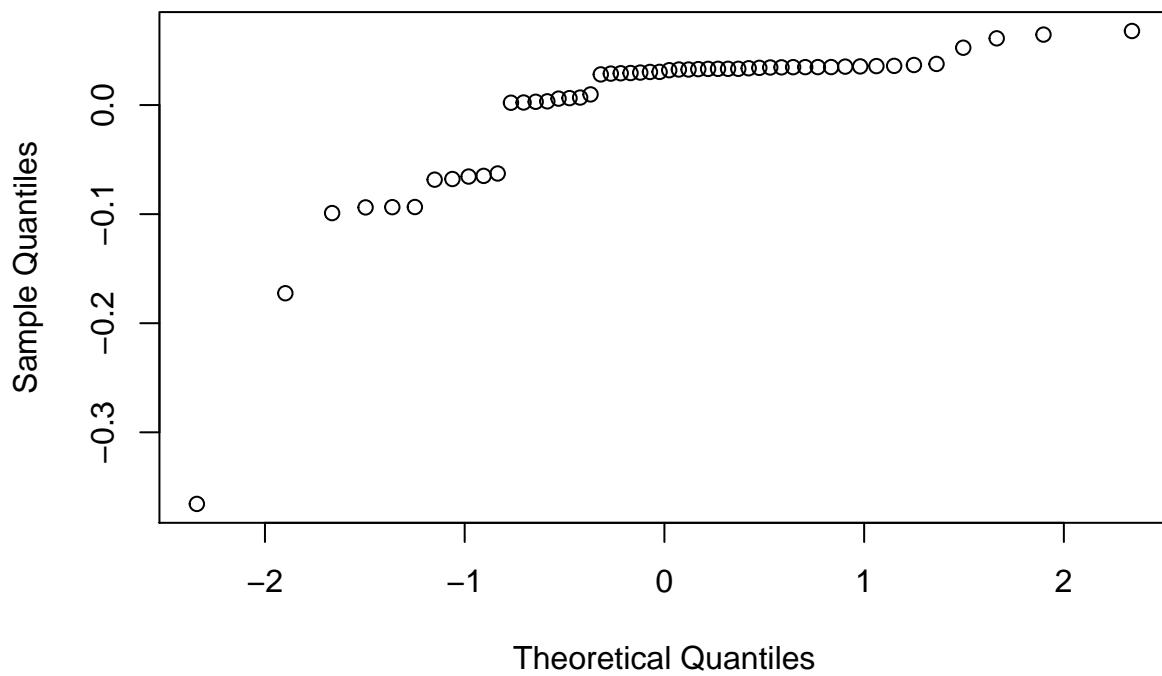
**Plot of PFOSAorig+  
Plot of PFOSAorigtotal.duration.hrs  
Plot of PFOSAorigEthnicity**



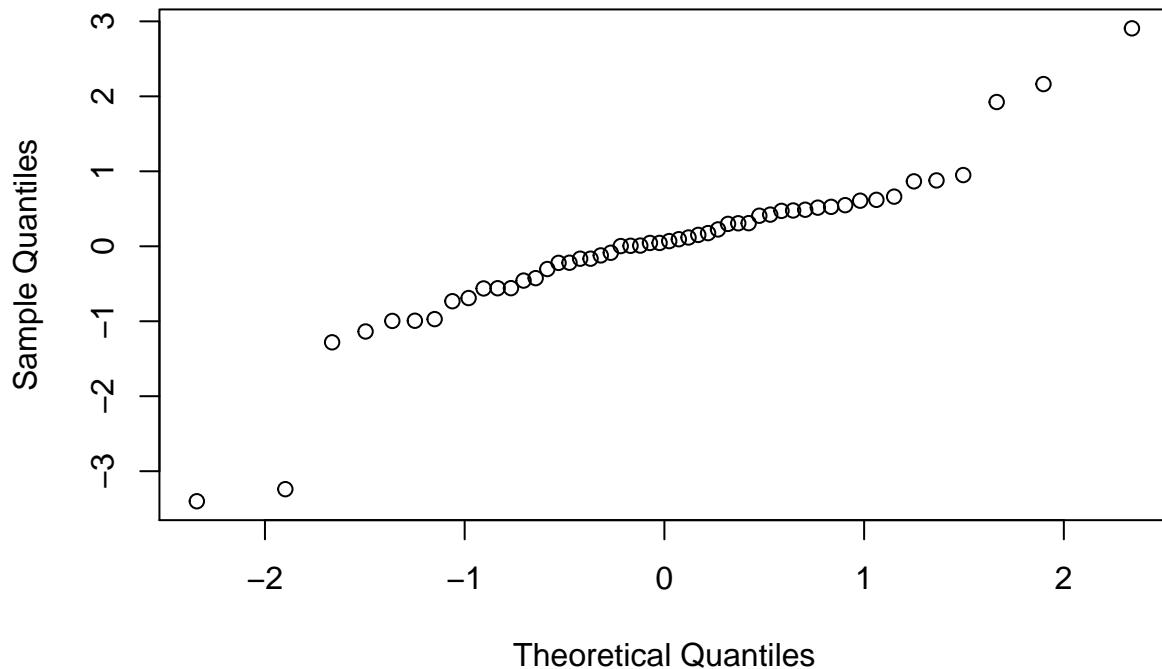
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



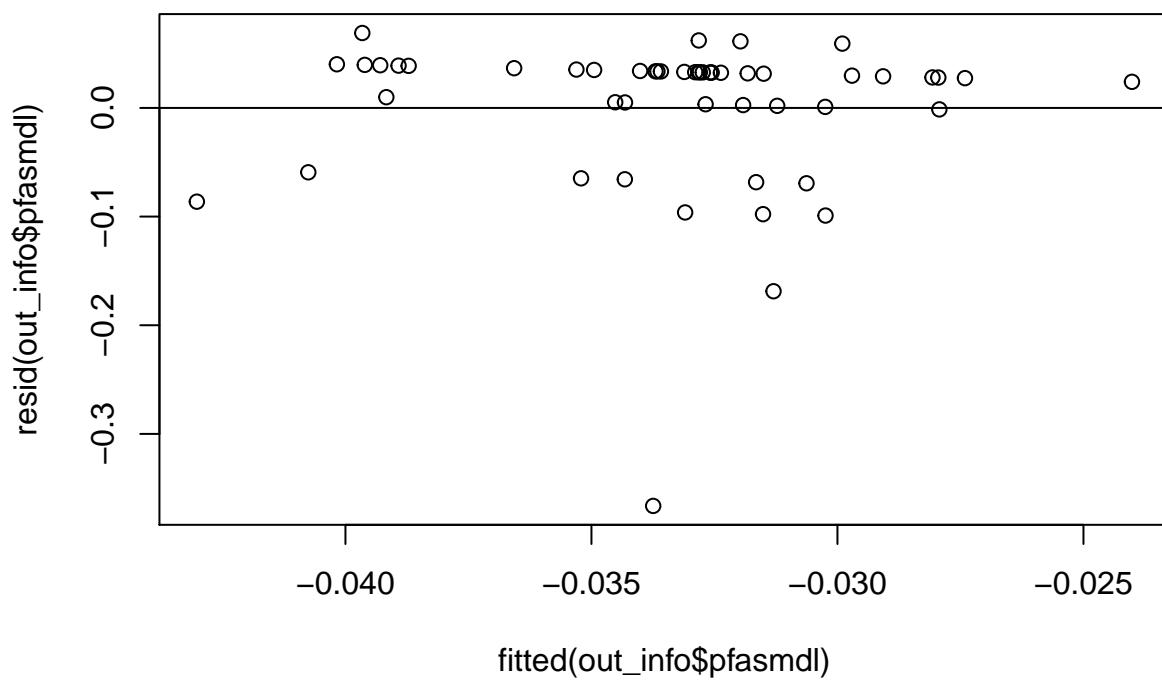
**Normal Q-Q Plot**



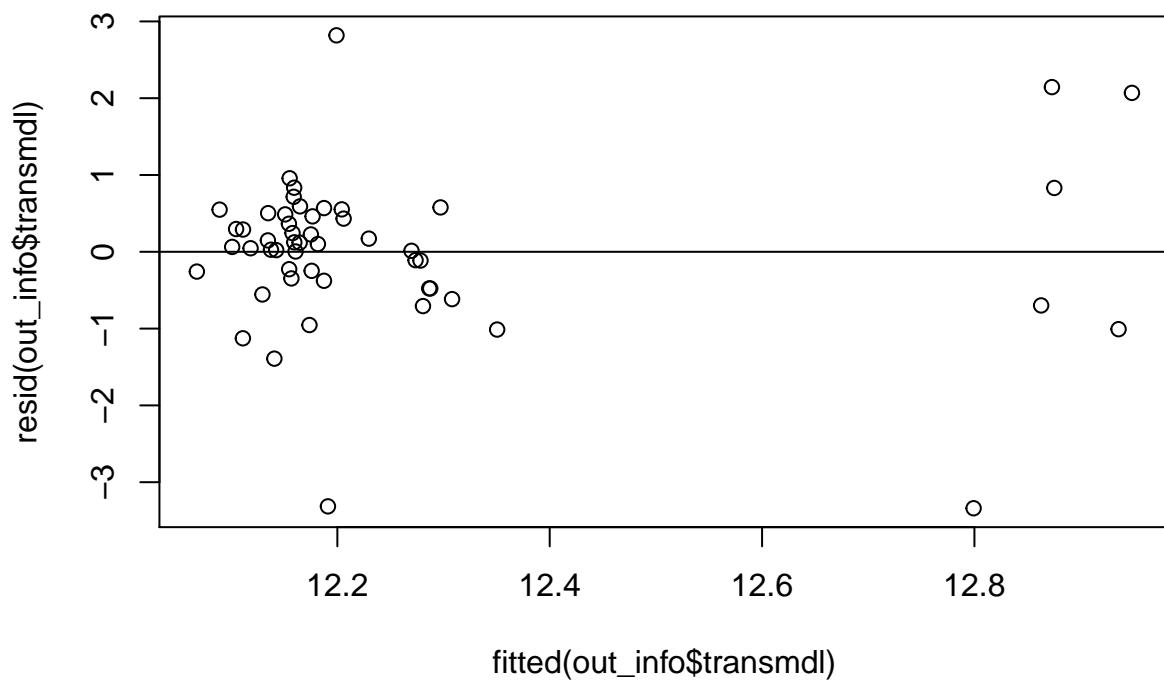
### Normal Q-Q Plot



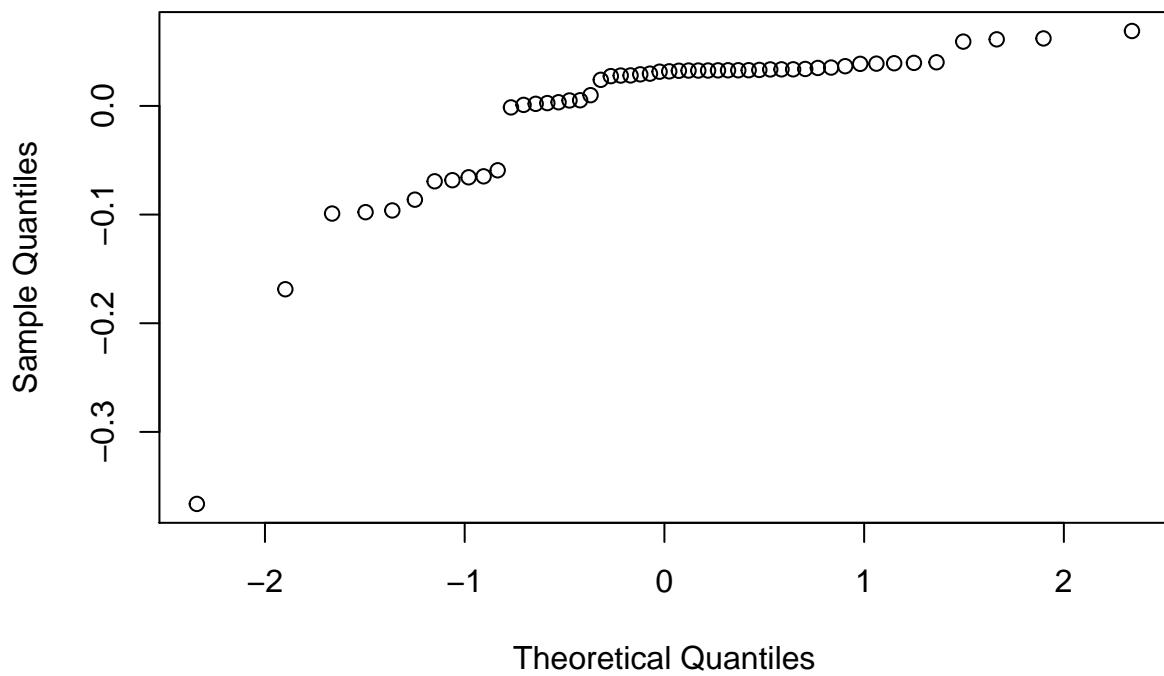
Plot of PFOSAorig+  
Plot of PFOSAorigstr.duration.hrs  
Plot of PFOSAorigEthnicity



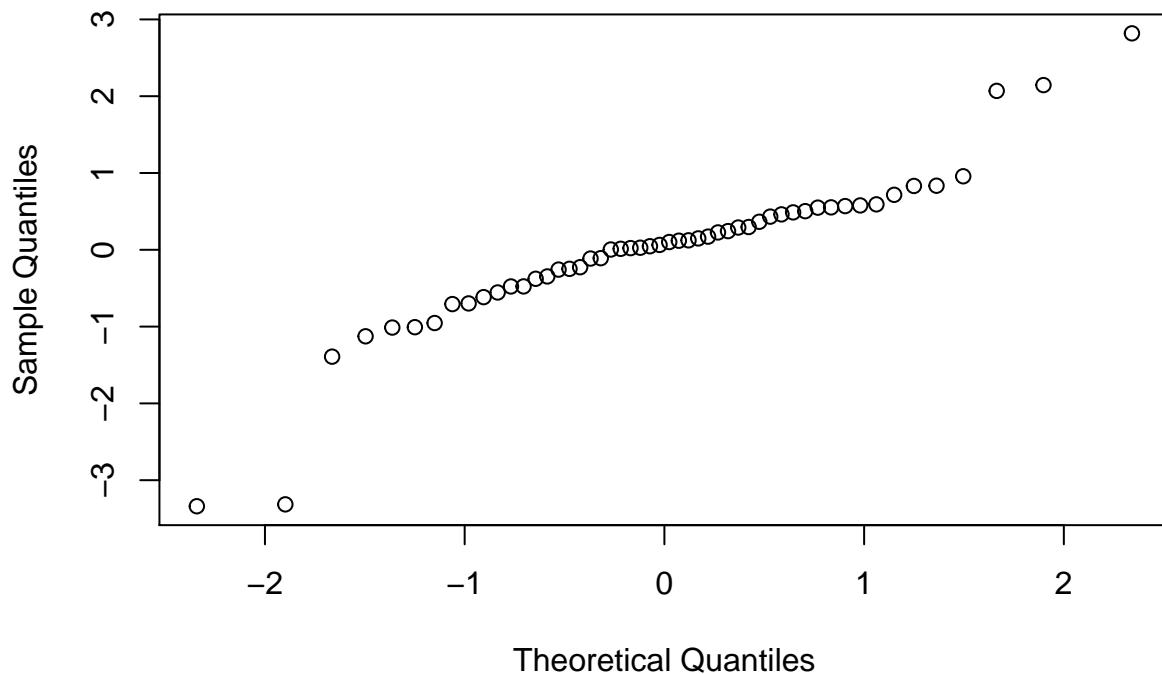
**Plot of PFHXStrans+  
Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



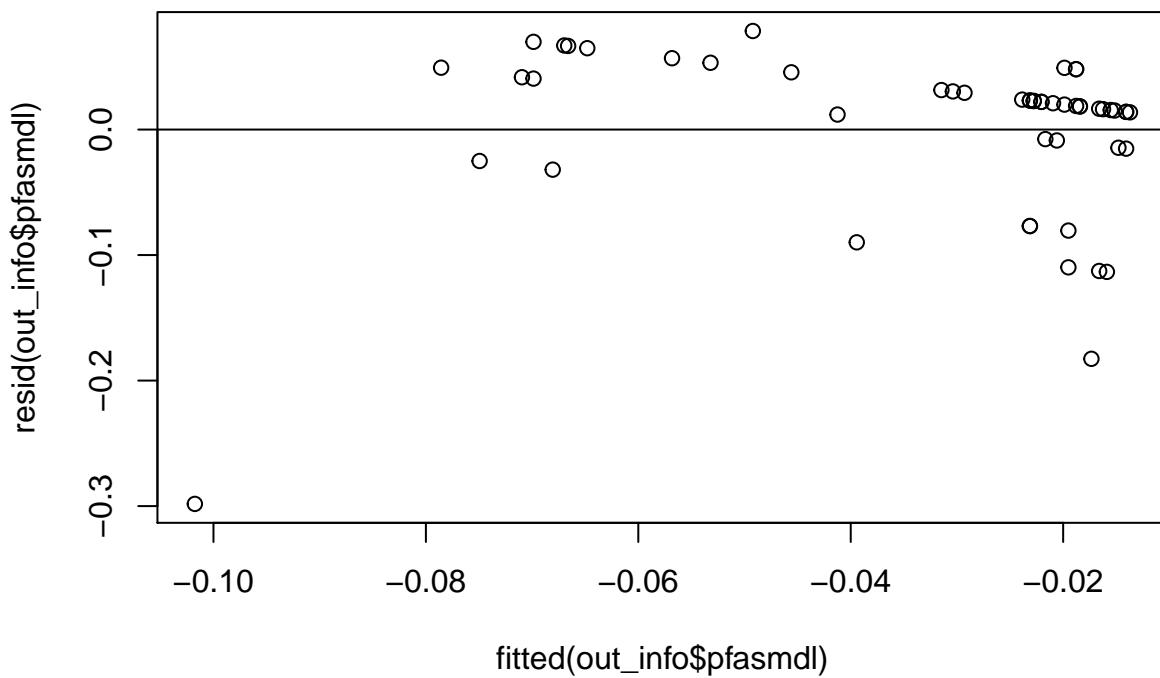
**Normal Q-Q Plot**



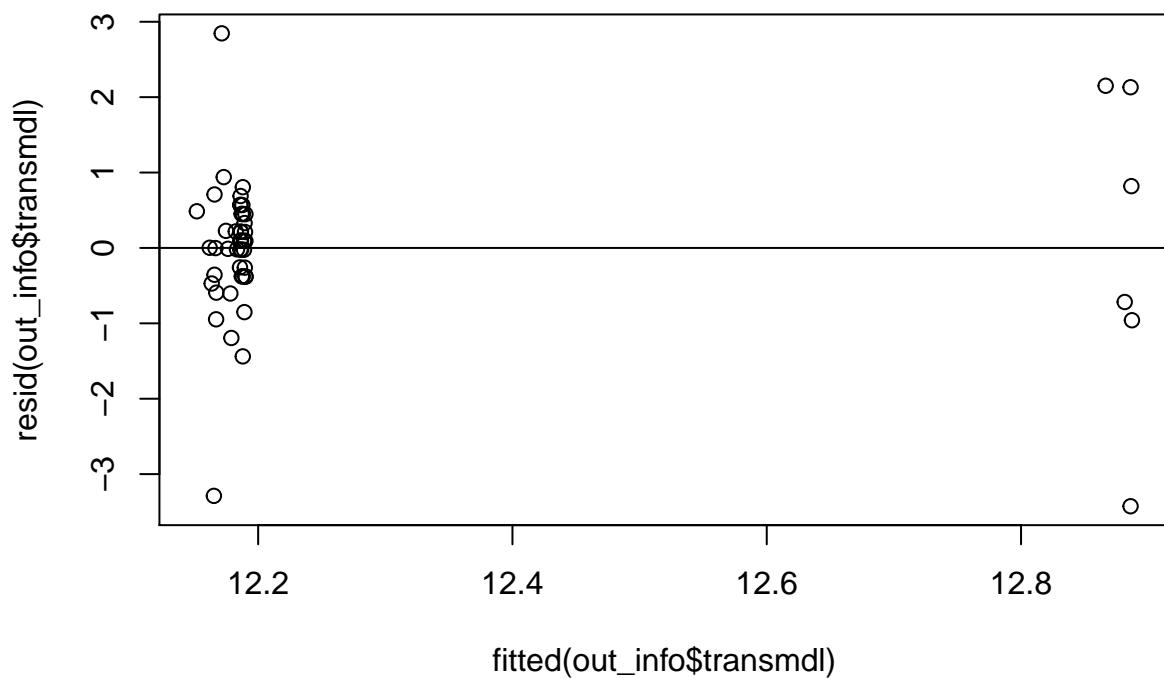
### Normal Q-Q Plot



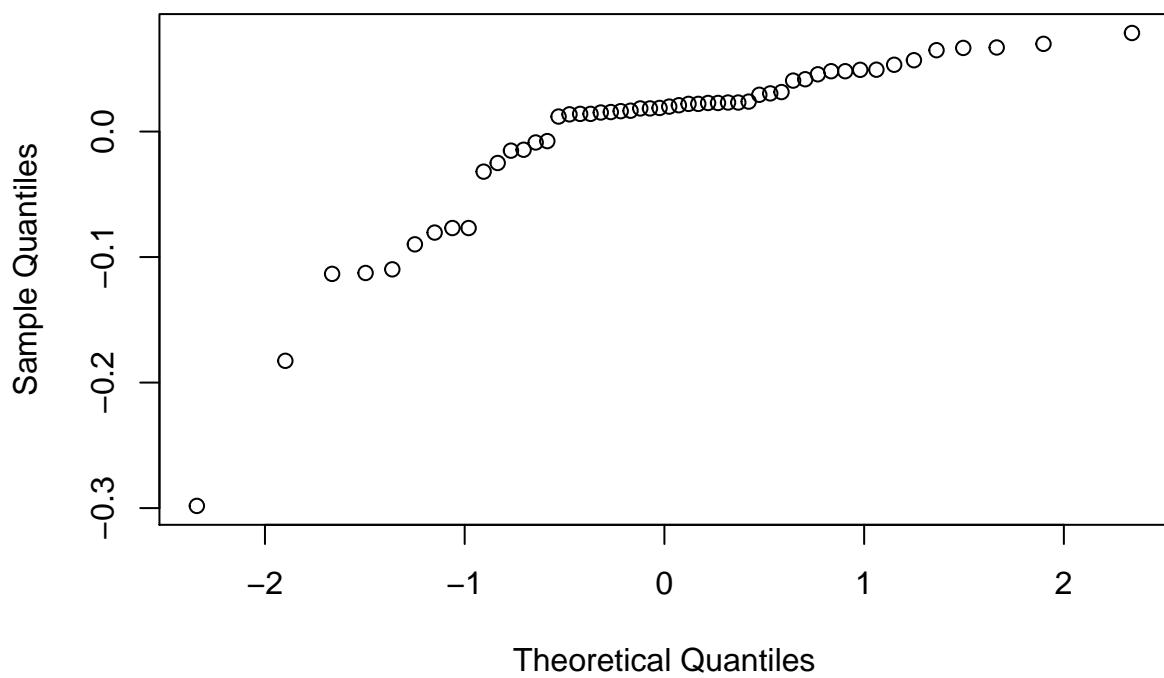
**Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.MRF  
Plot of PFOSAorigEthnicity**



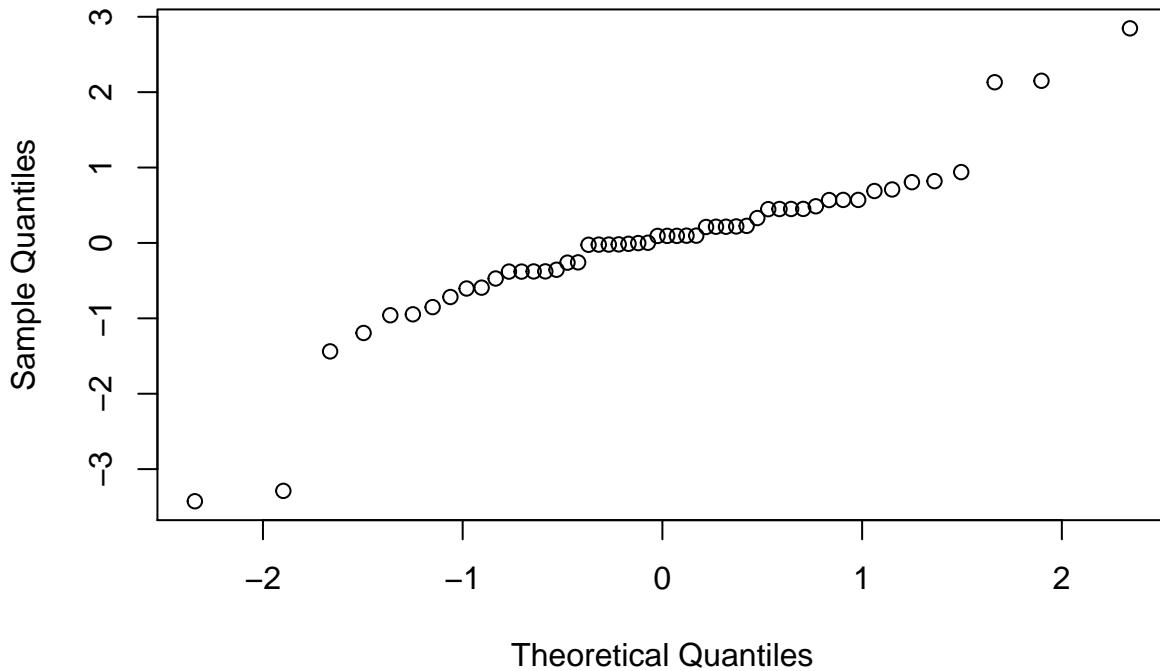
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



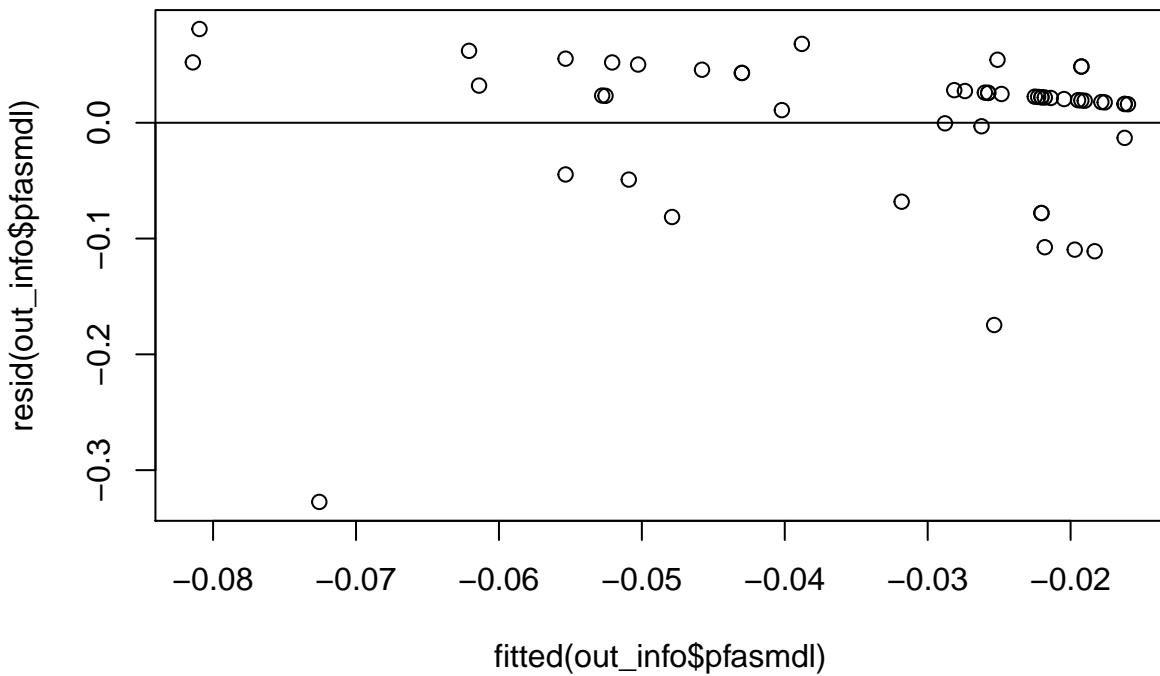
**Normal Q-Q Plot**



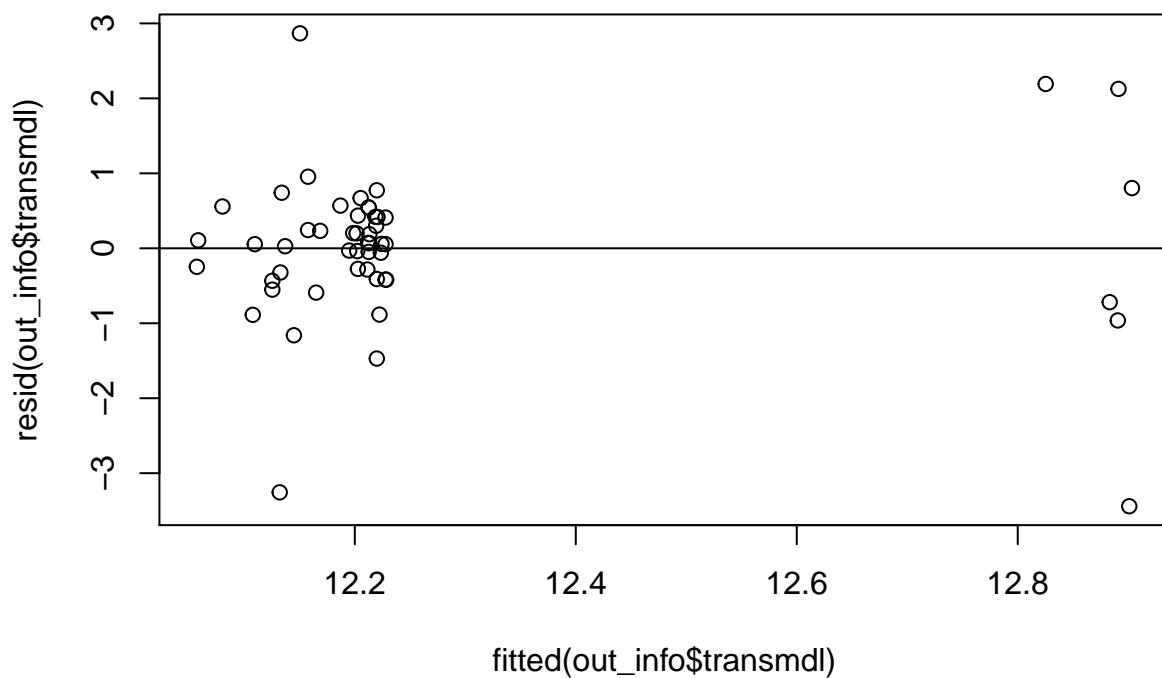
### Normal Q-Q Plot



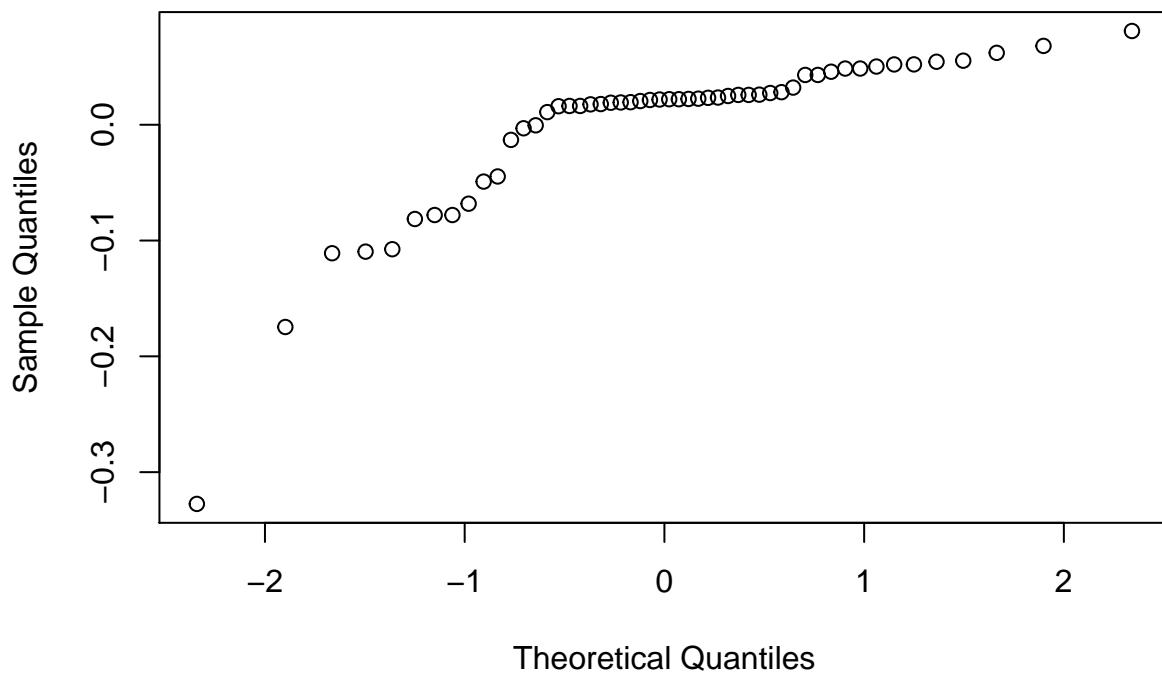
**Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.struc.MRF  
Plot of PFOSAorigEthnicity**



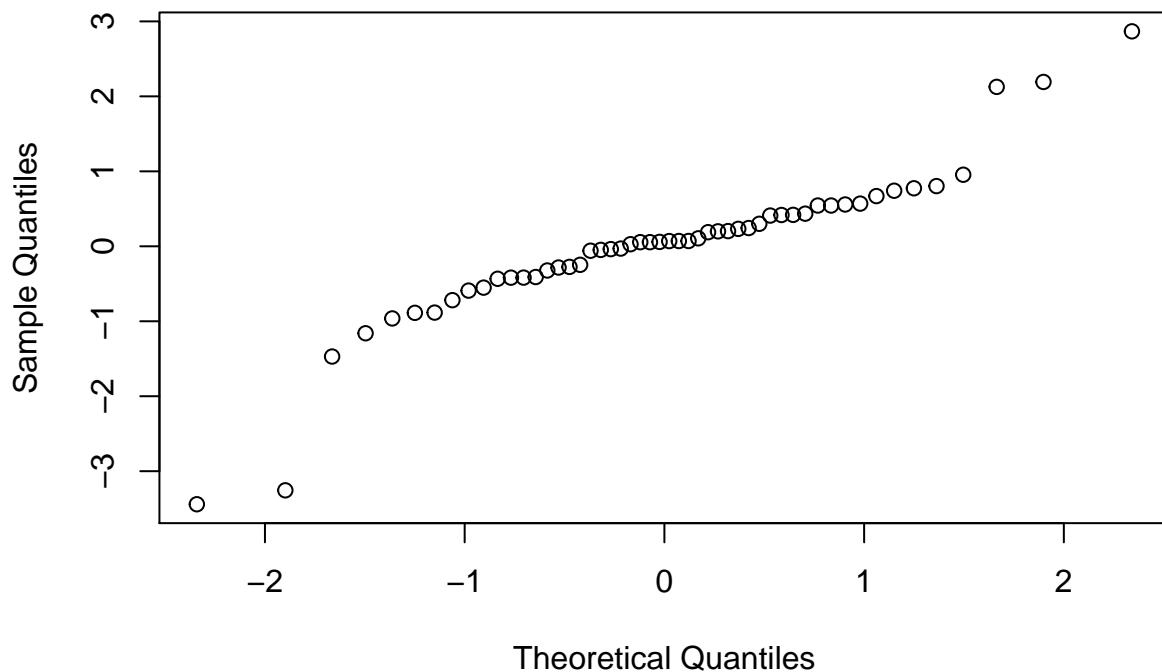
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.struc.MRF  
Plot of PFHXStransEthnicity**



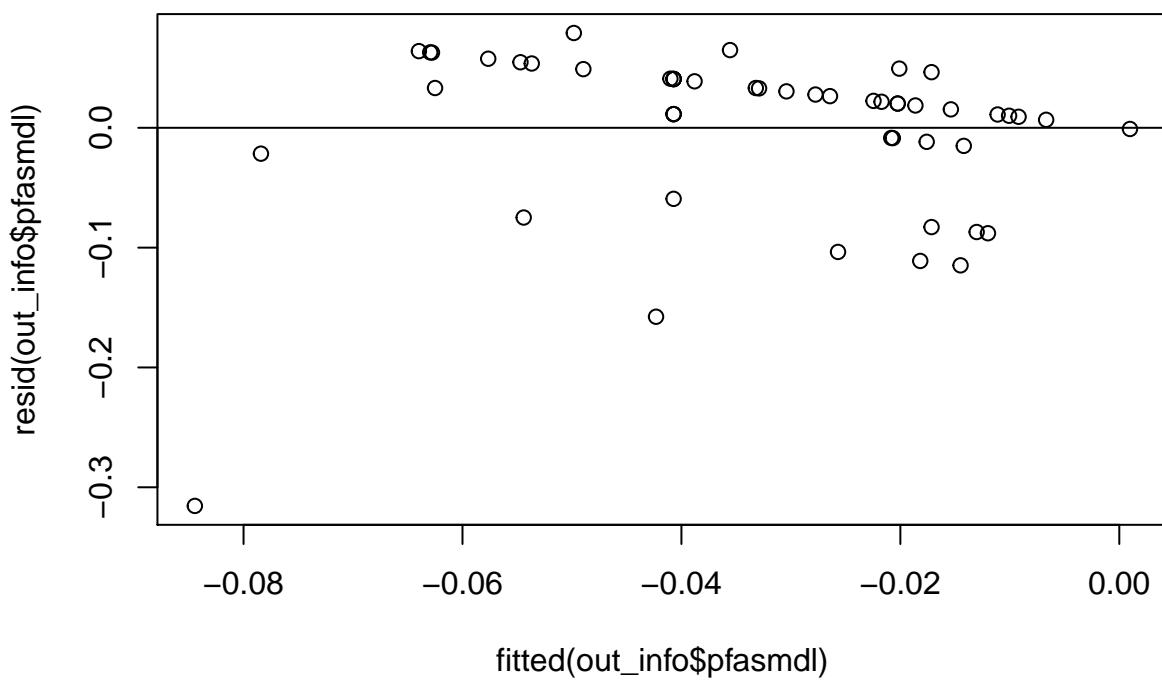
**Normal Q-Q Plot**



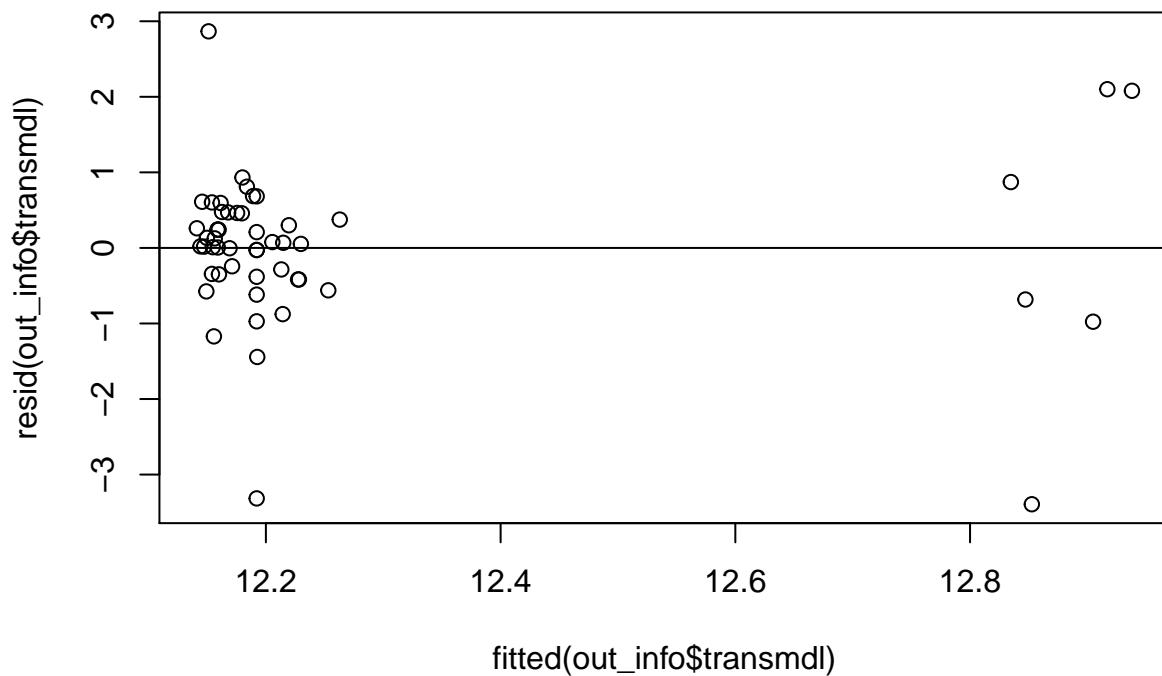
### Normal Q-Q Plot



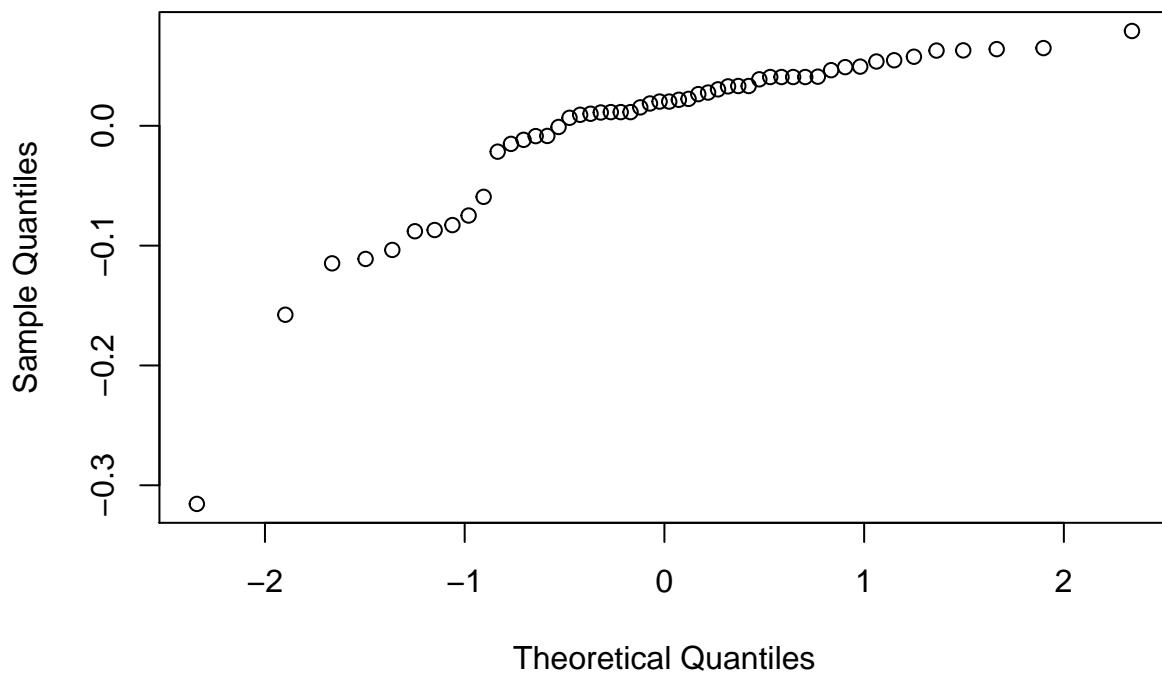
**Plot of PFOSAorig+  
Plot of PFOSAorigtime.since.baseline  
Plot of PFOSAorigEthnicity**



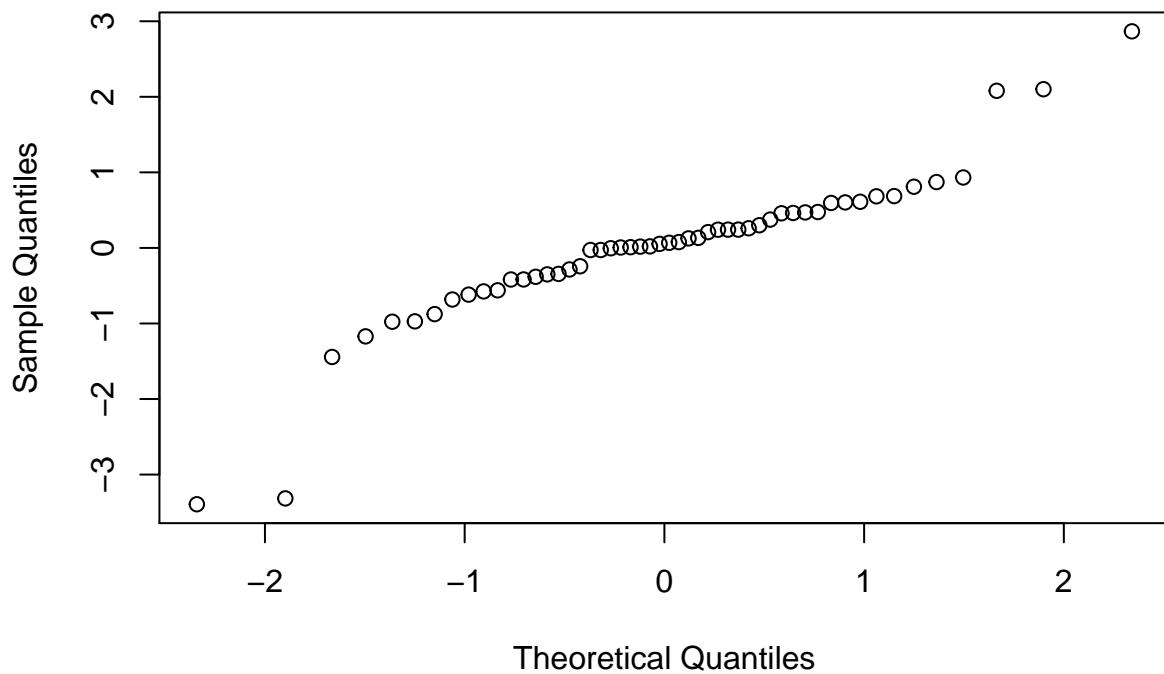
**Plot of PFHXStrans+  
Plot of PFHXStranstime.since.baseline  
Plot of PFHXStransEthnicity**



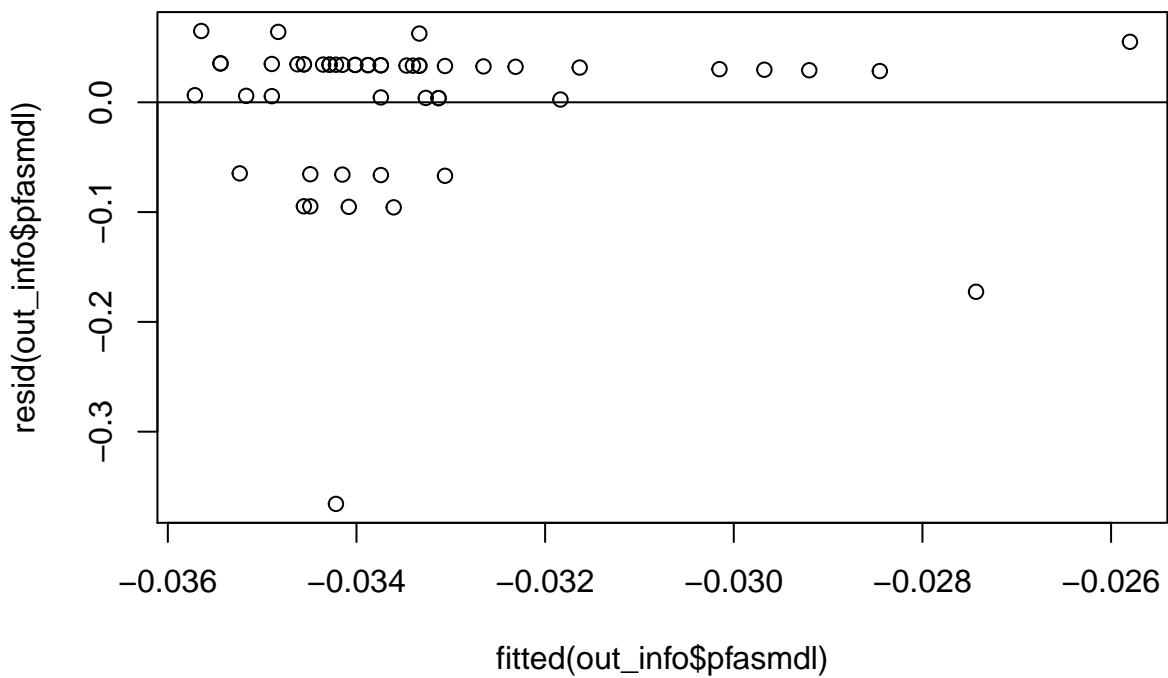
**Normal Q-Q Plot**



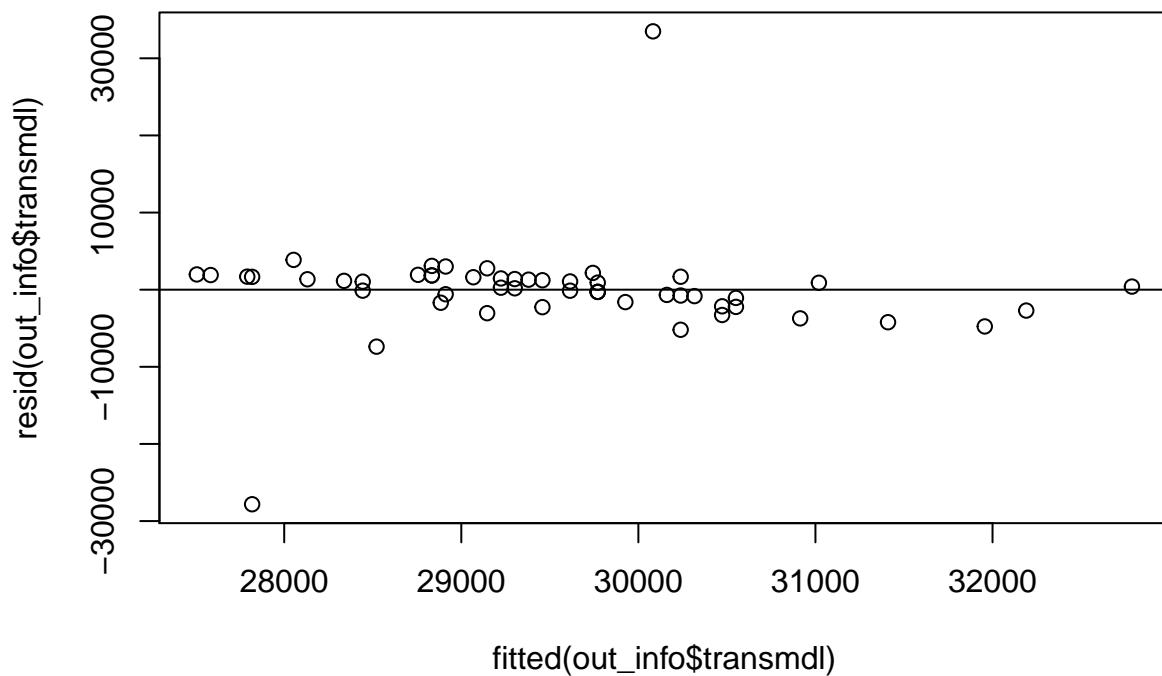
### Normal Q-Q Plot



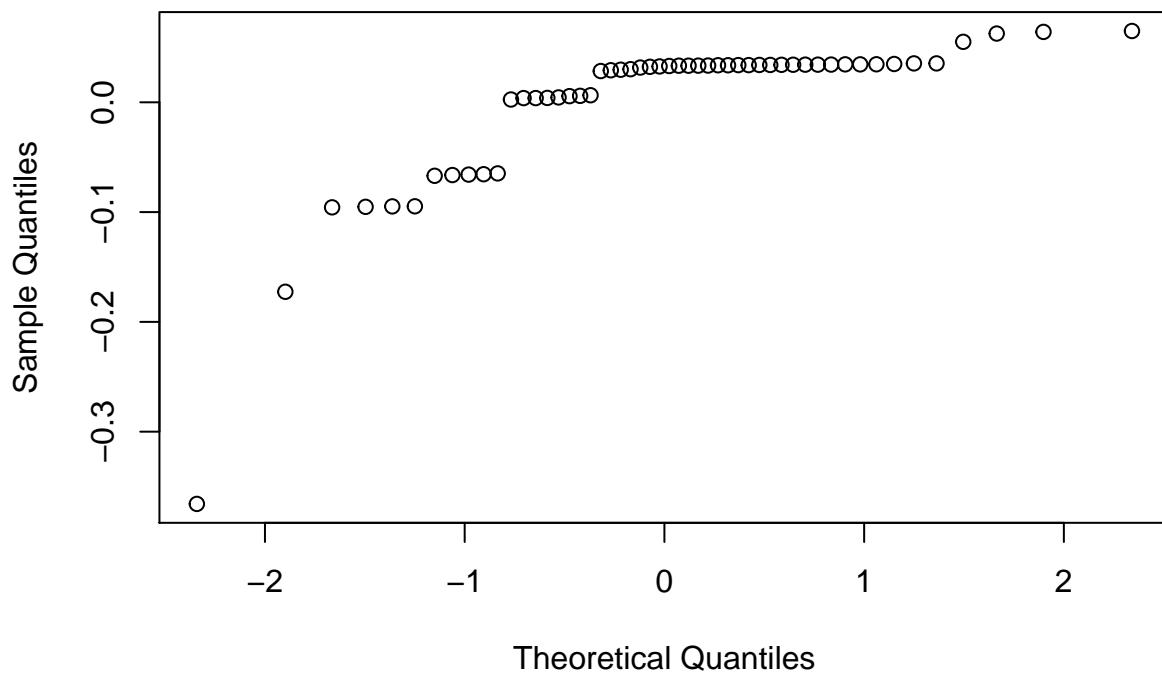
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.num.fireruns  
Plot of PFOSAorigEthnicity



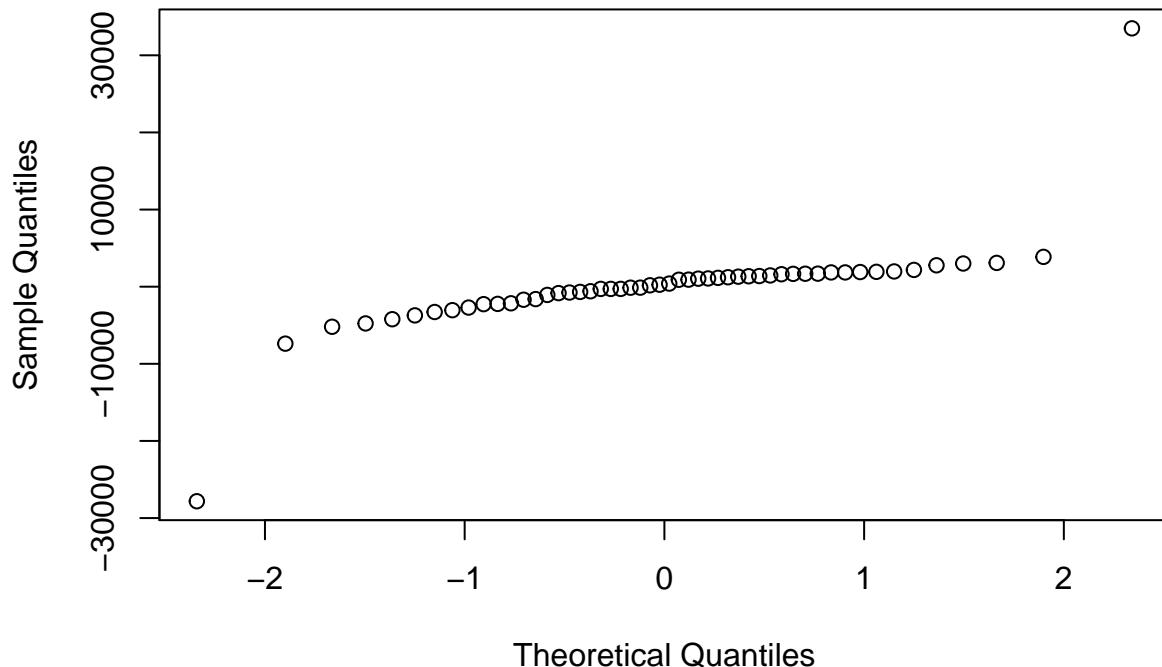
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



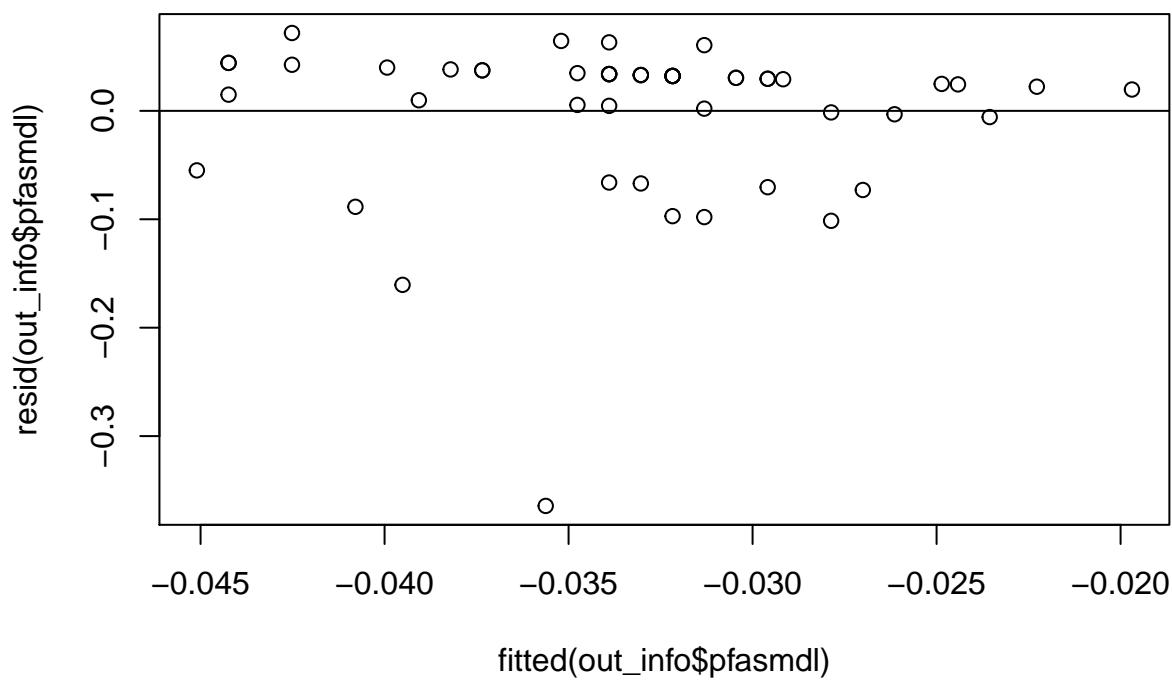
**Normal Q-Q Plot**



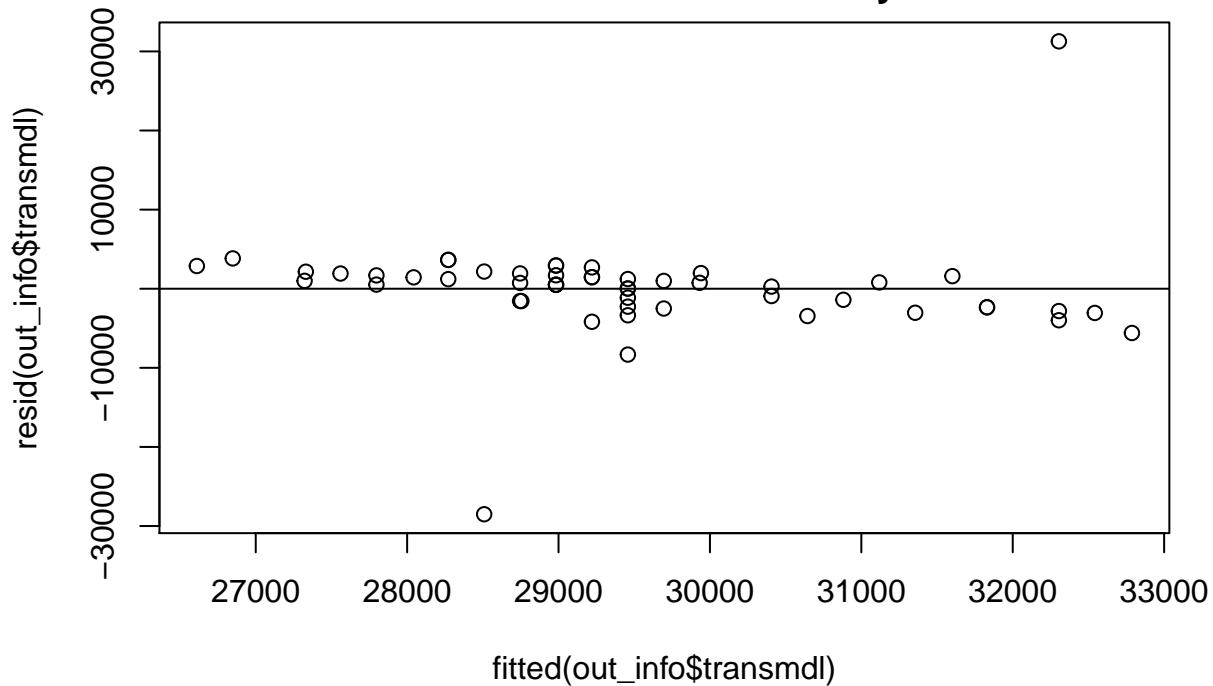
### Normal Q-Q Plot



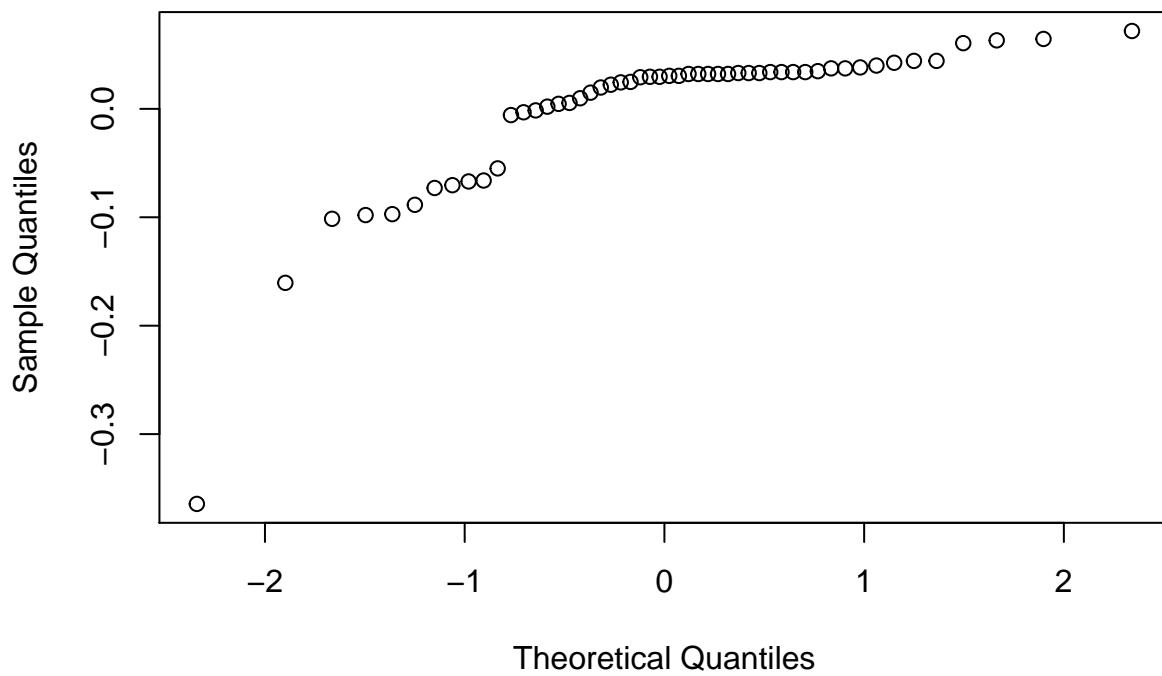
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



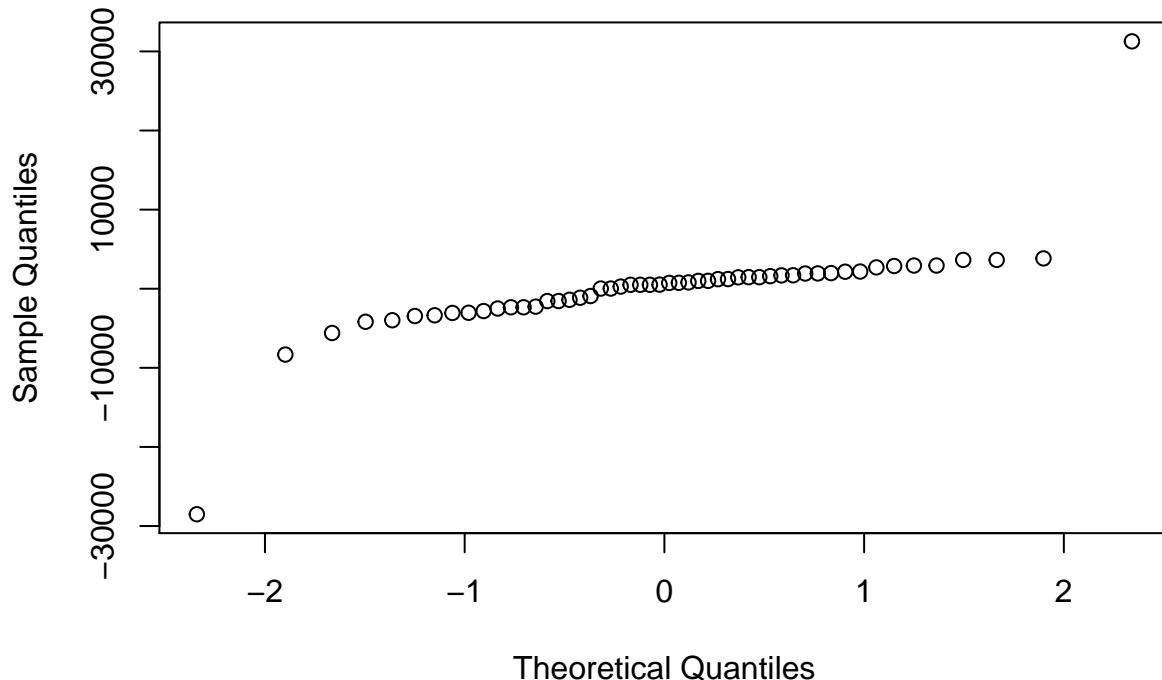
**Plot of PFNAtrans+  
Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**



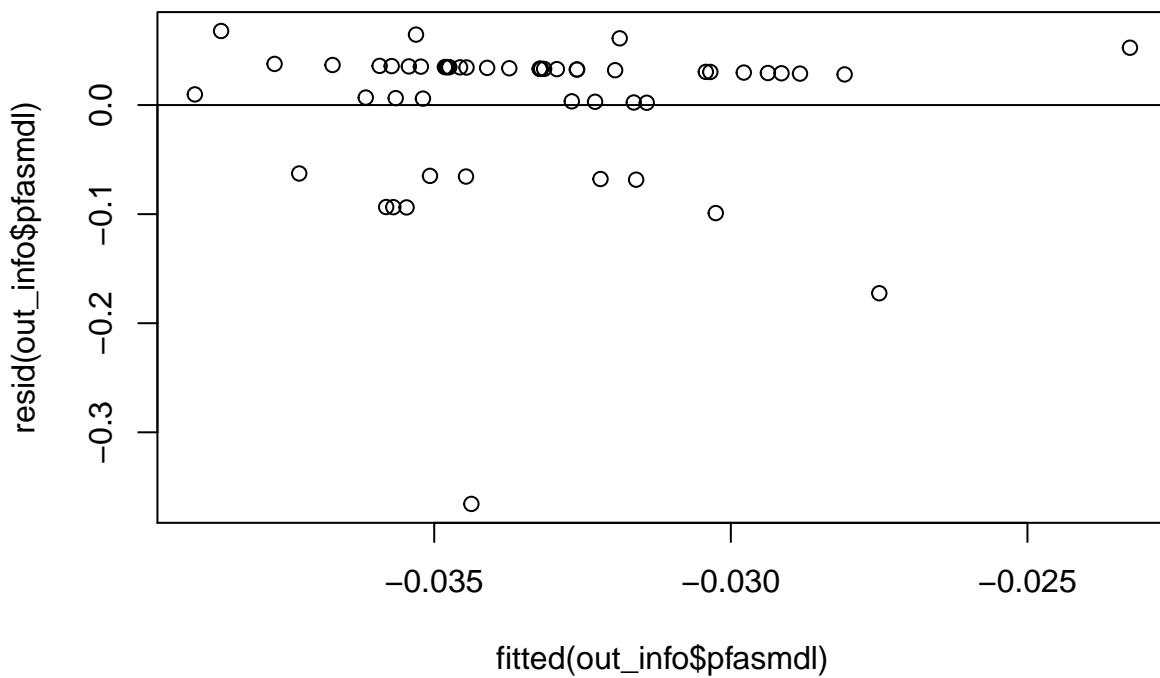
**Normal Q-Q Plot**



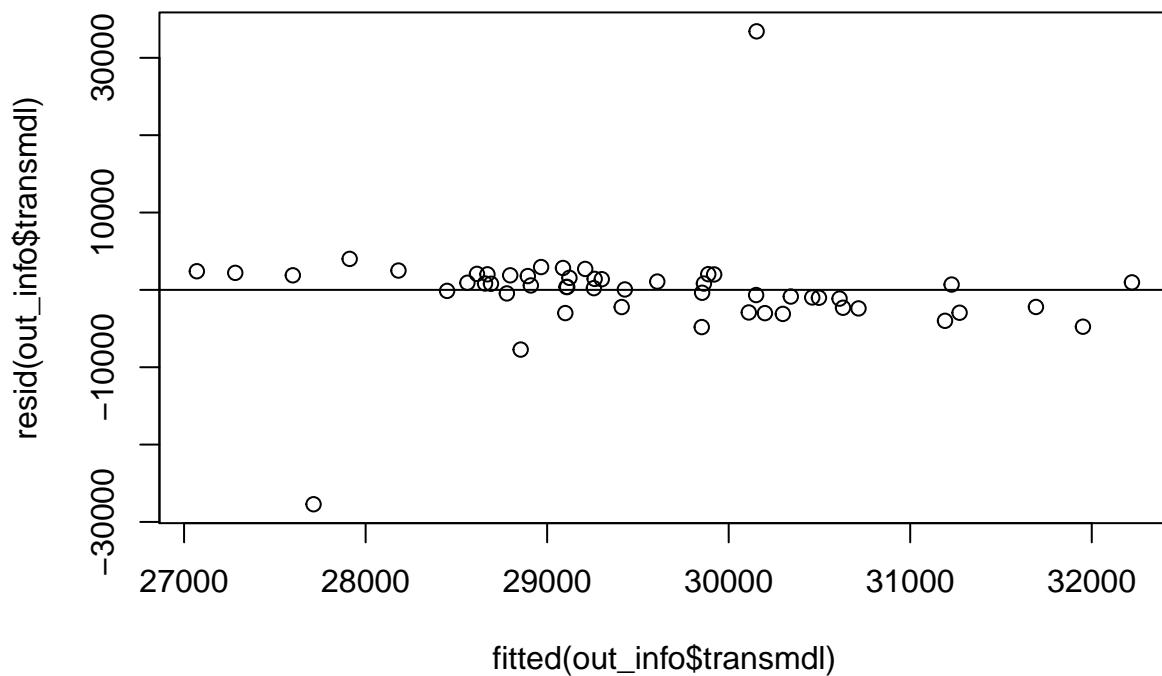
### Normal Q-Q Plot



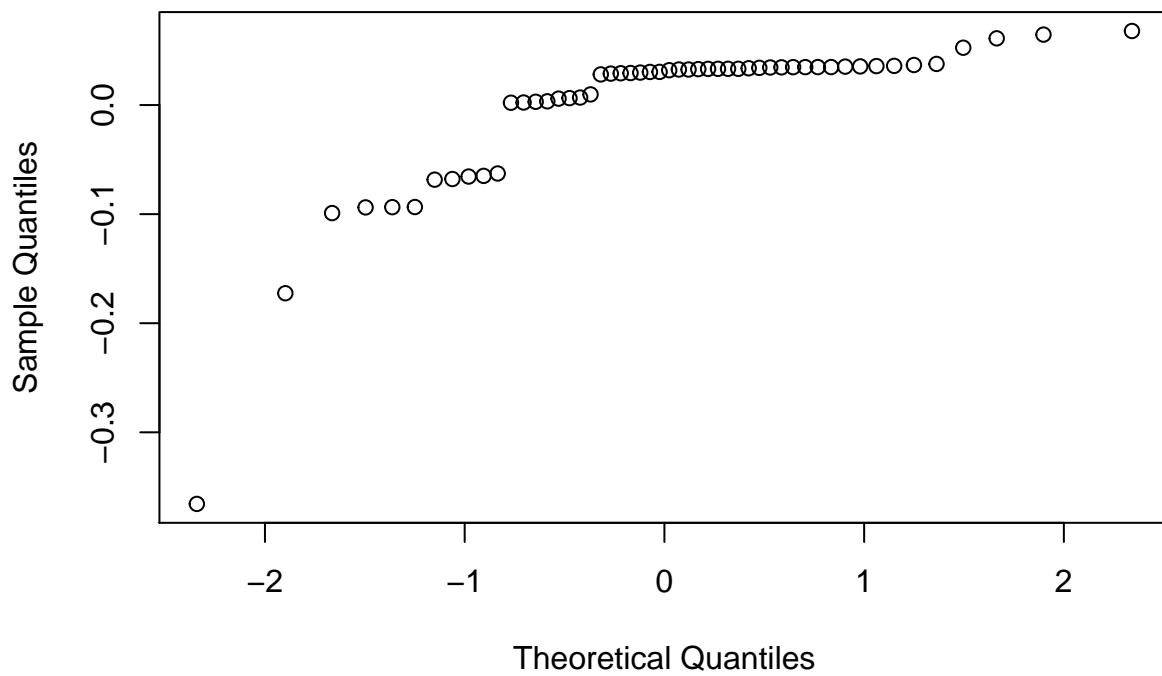
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.duration.hrs  
Plot of PFOSAorigEthnicity



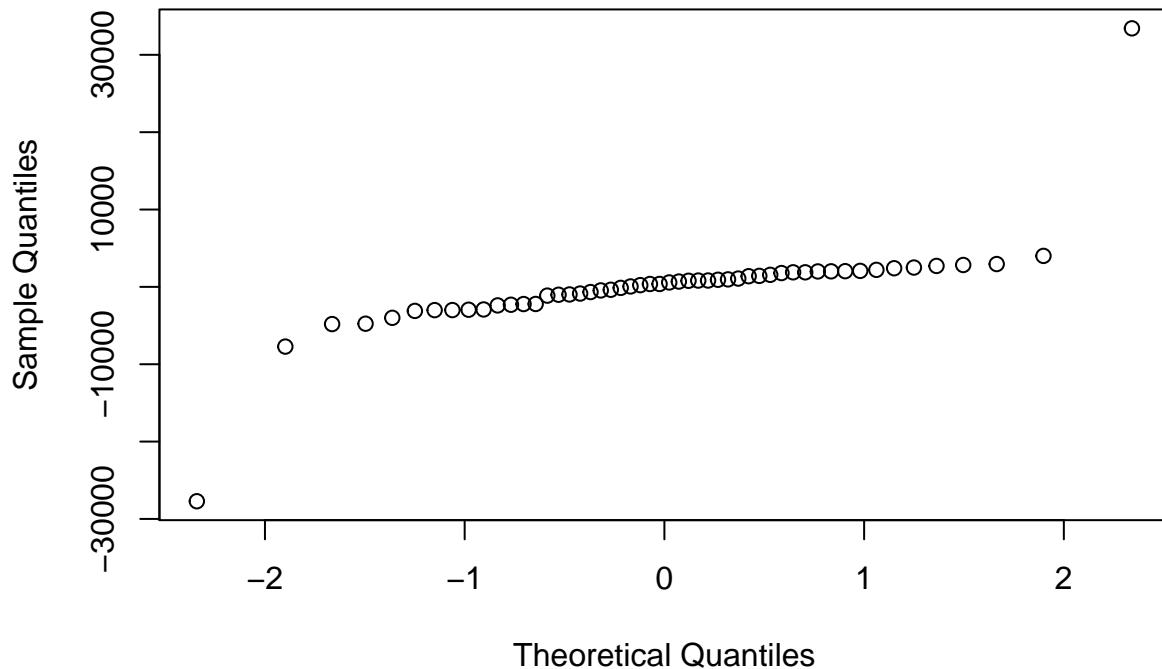
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



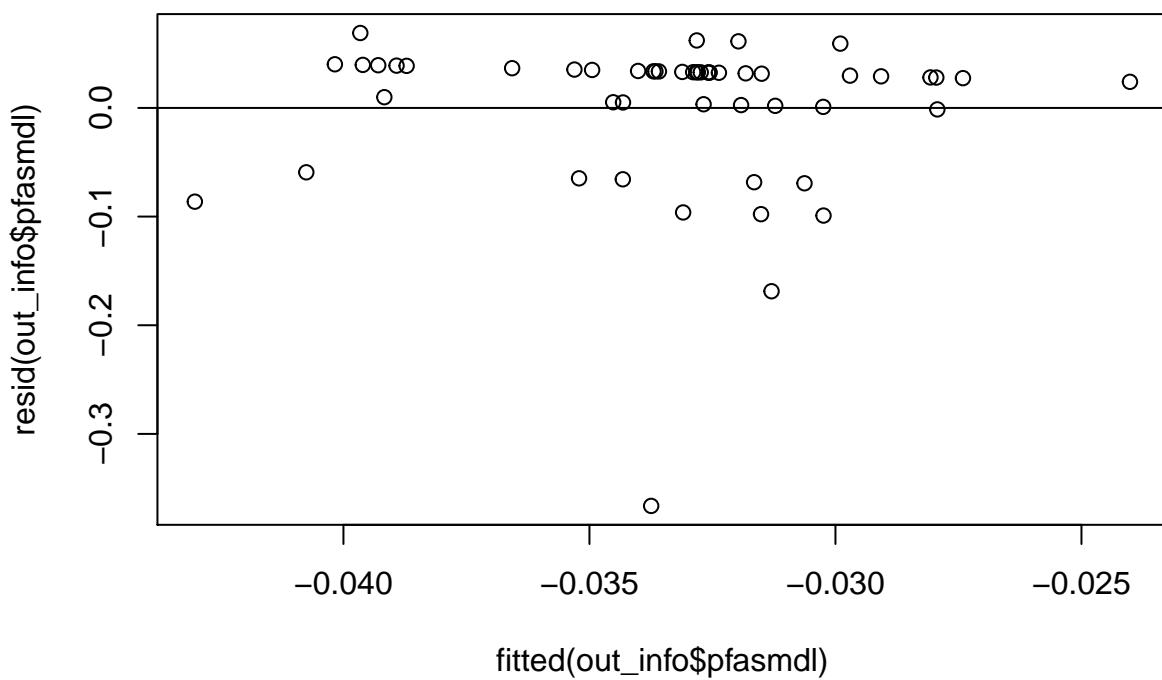
**Normal Q-Q Plot**



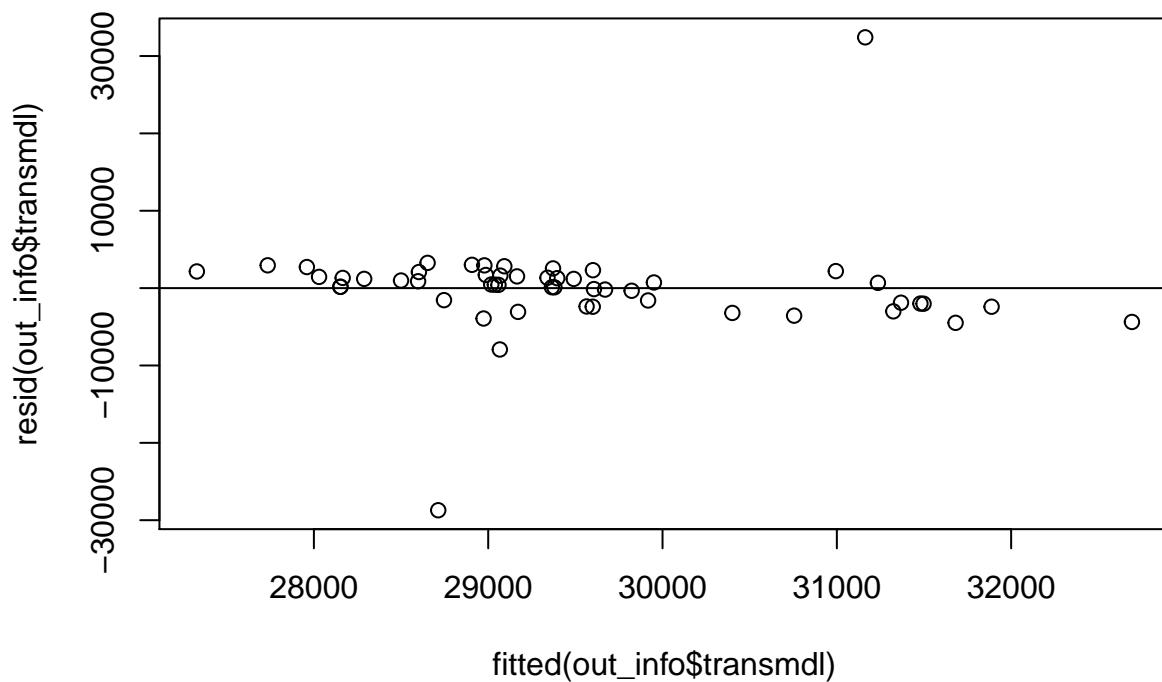
### Normal Q-Q Plot



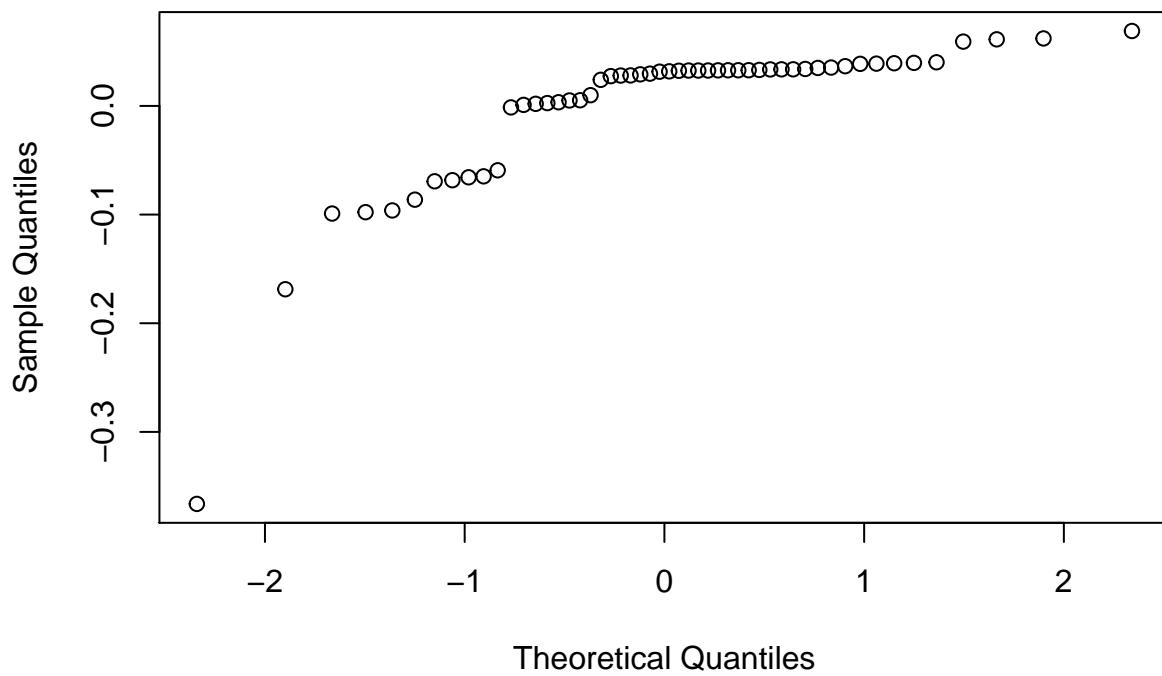
Plot of PFOSAorig+  
Plot of PFOSAorigstr.duration.hrs  
Plot of PFOSAorigEthnicity



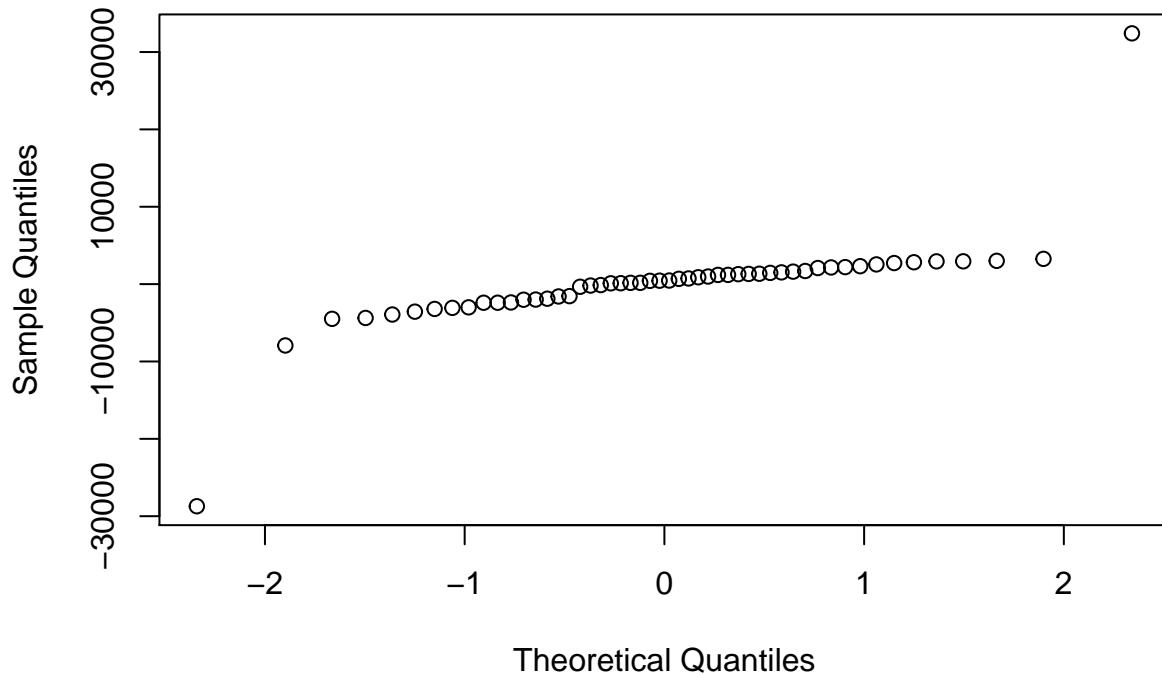
**Plot of PFNAtrans+  
Plot of PFNAtransstr.duration.hrs  
Plot of PFNAtransEthnicity**



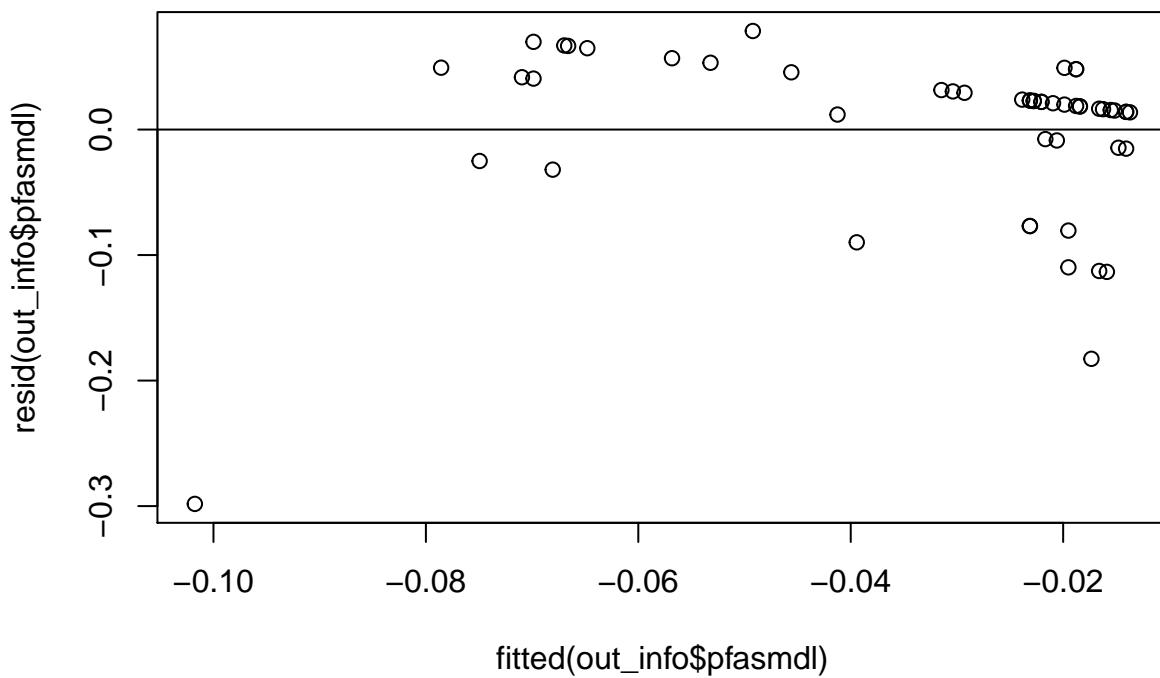
**Normal Q-Q Plot**



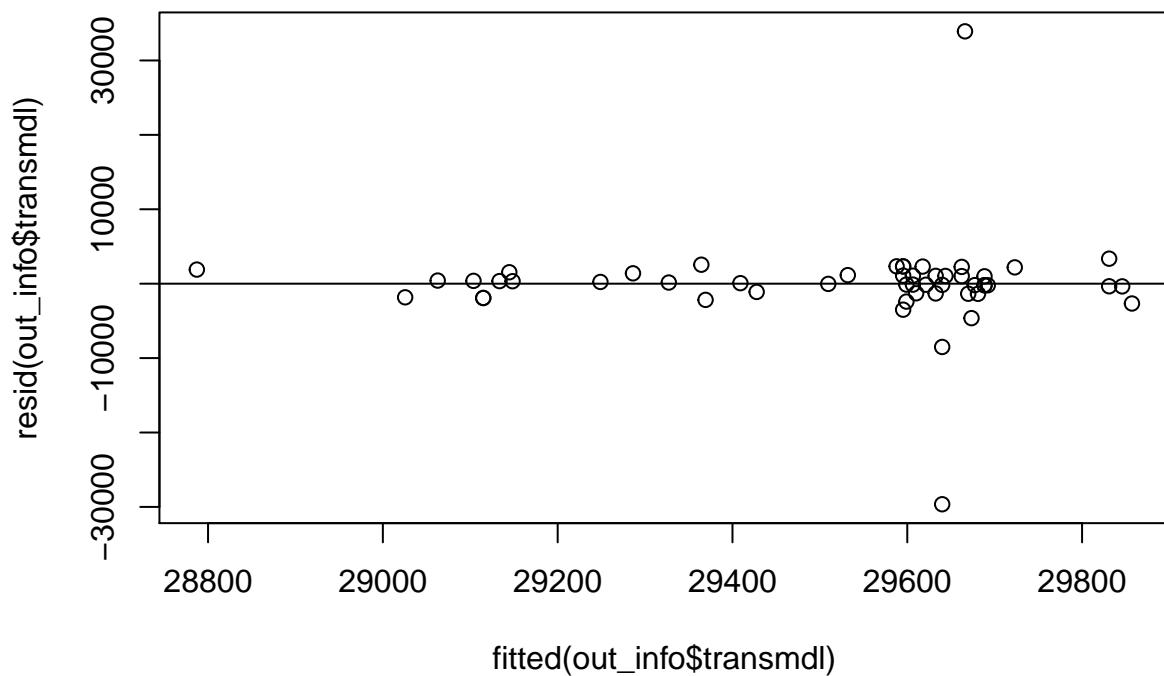
### Normal Q-Q Plot



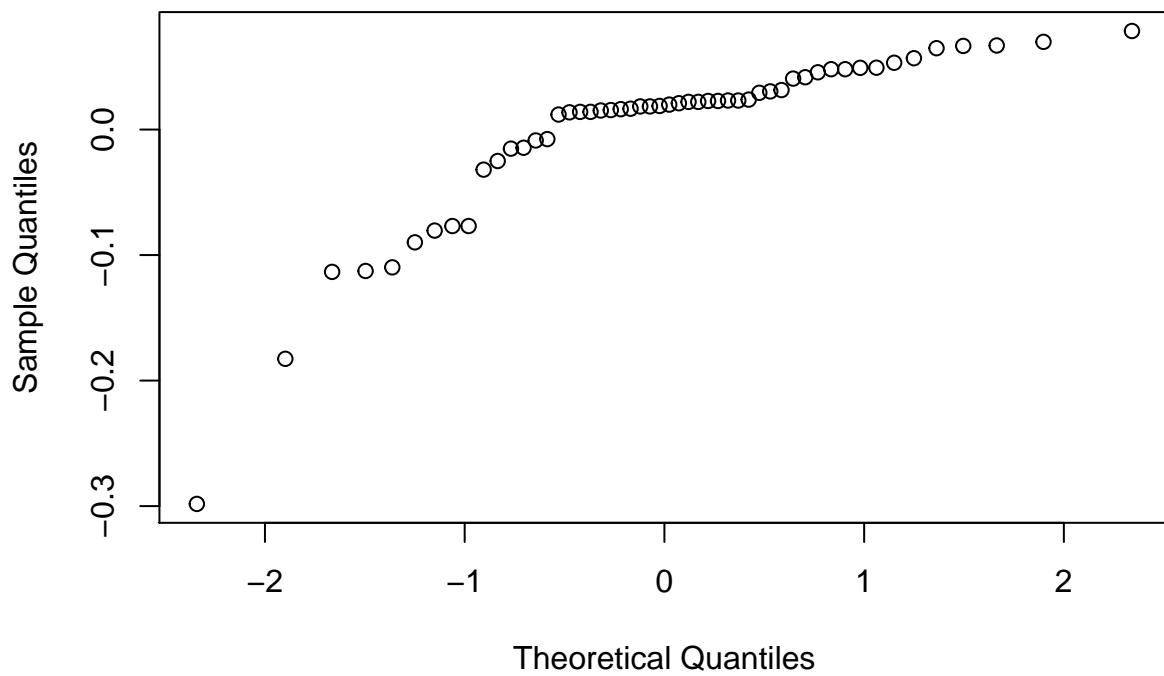
**Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.MRF  
Plot of PFOSAorigEthnicity**



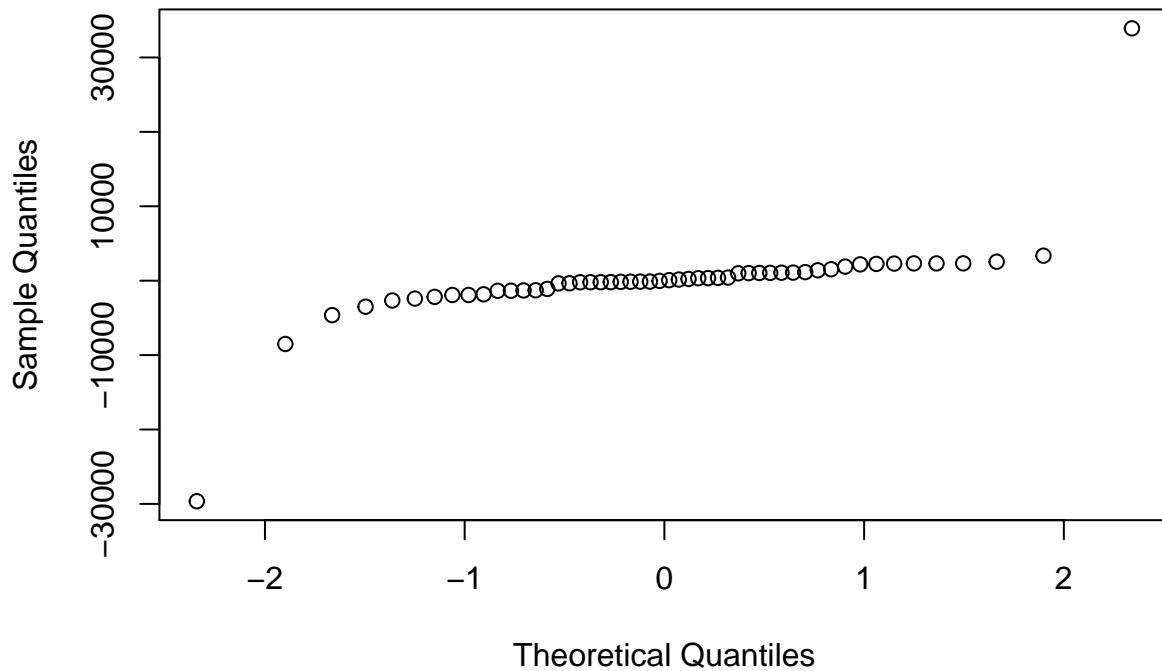
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



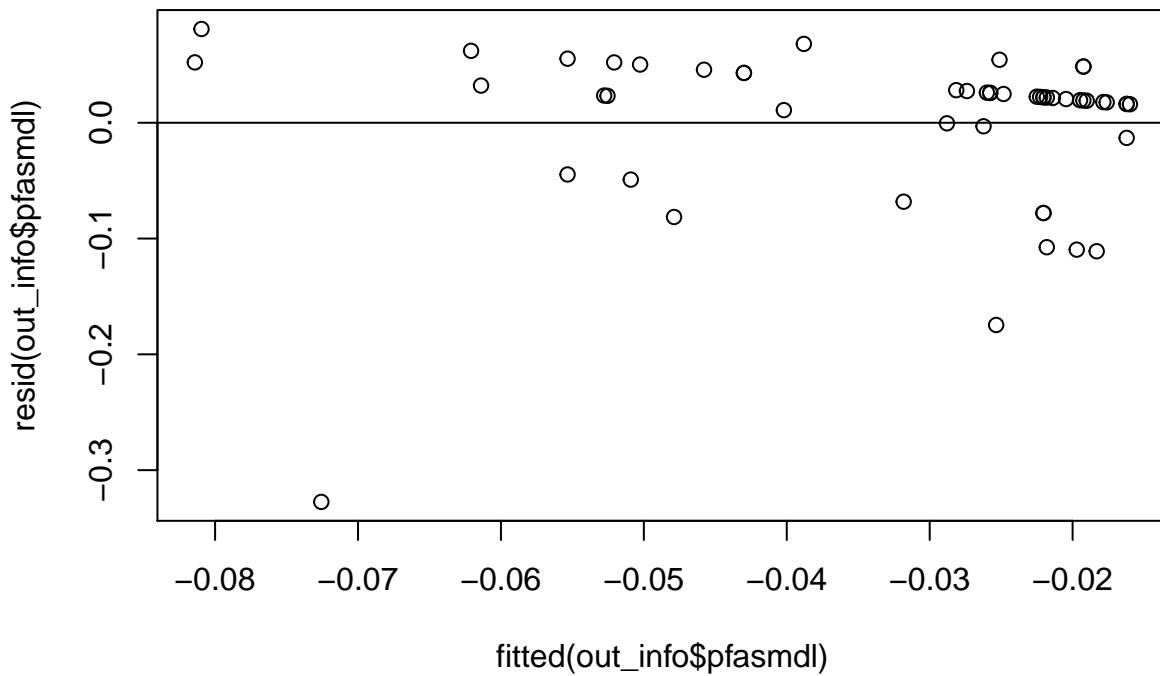
**Normal Q-Q Plot**



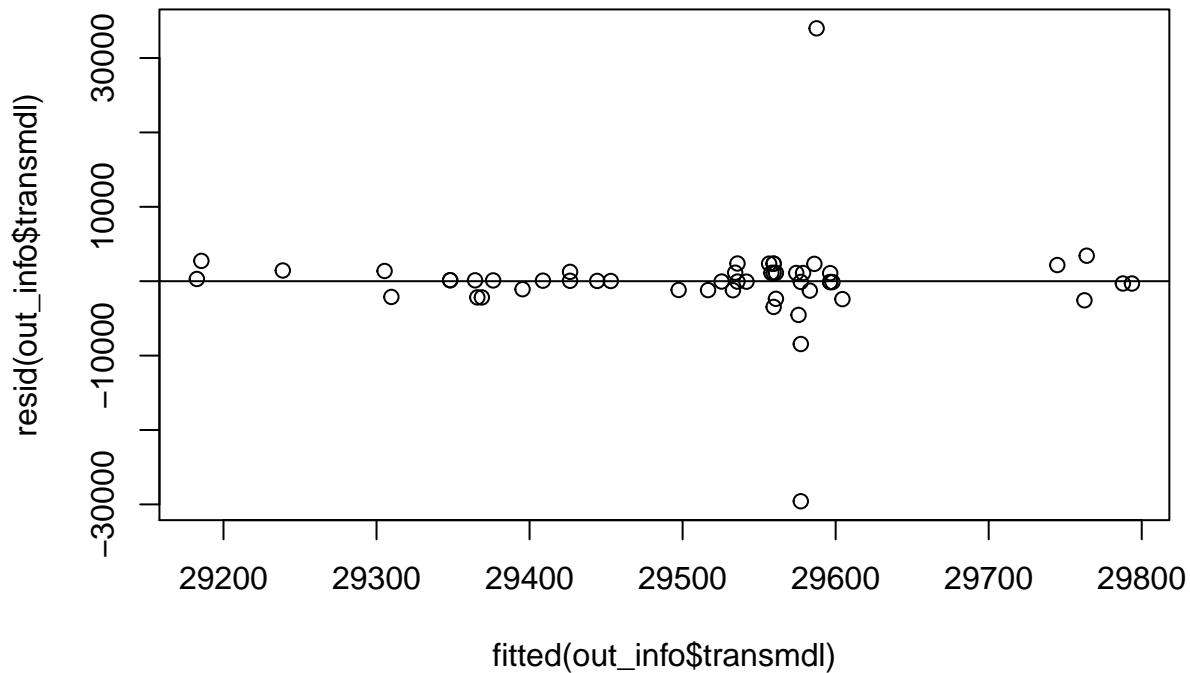
### Normal Q-Q Plot



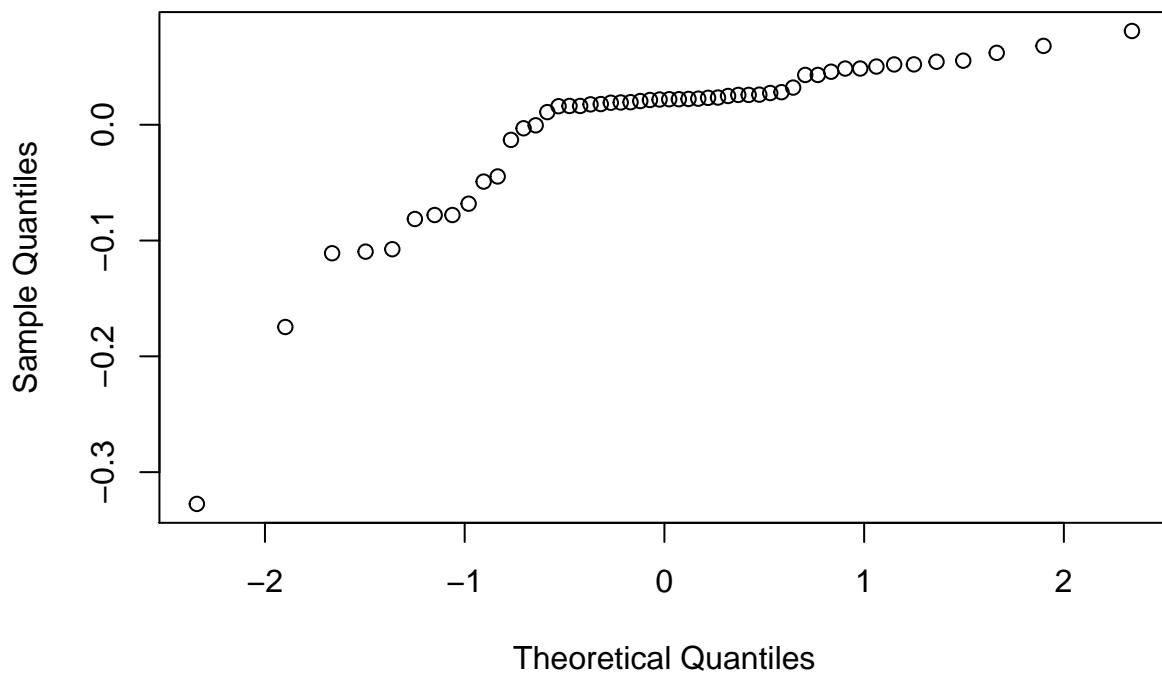
**Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.struc.MRF  
Plot of PFOSAorigEthnicity**



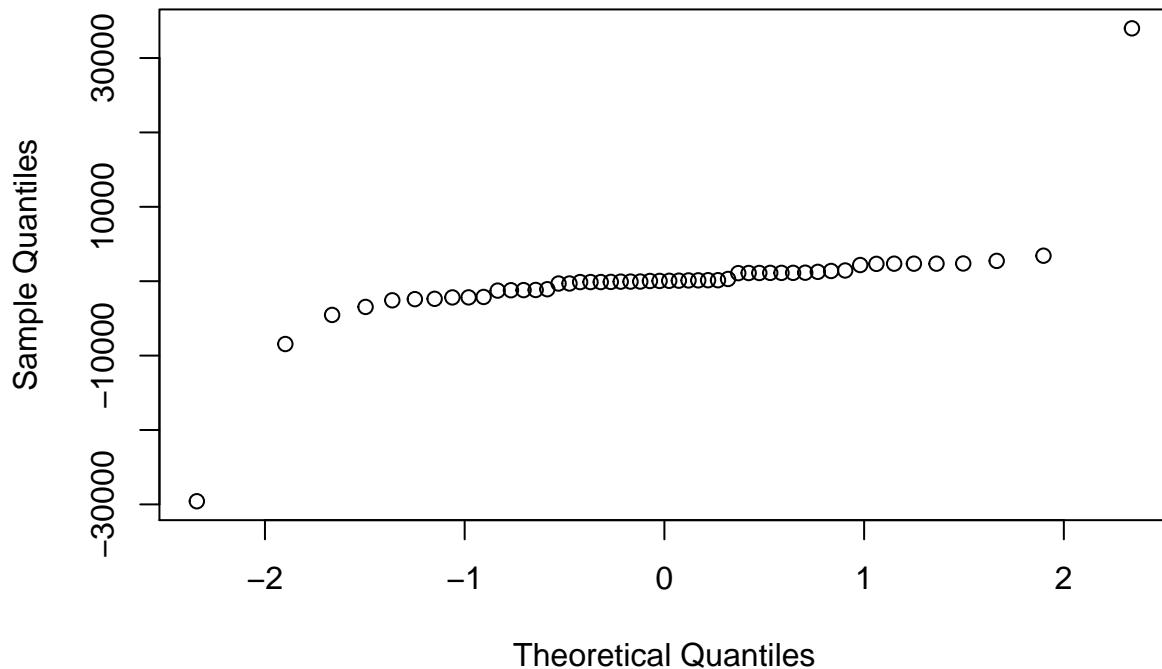
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.struc.MRF  
Plot of PFNAtransEthnicity**



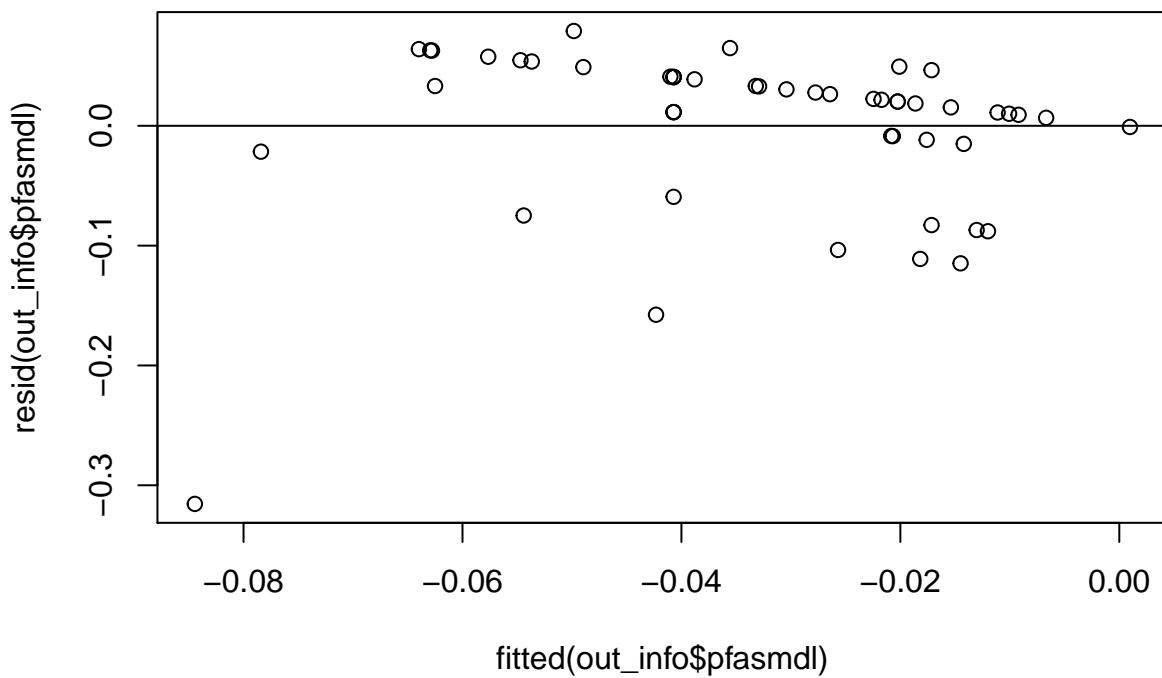
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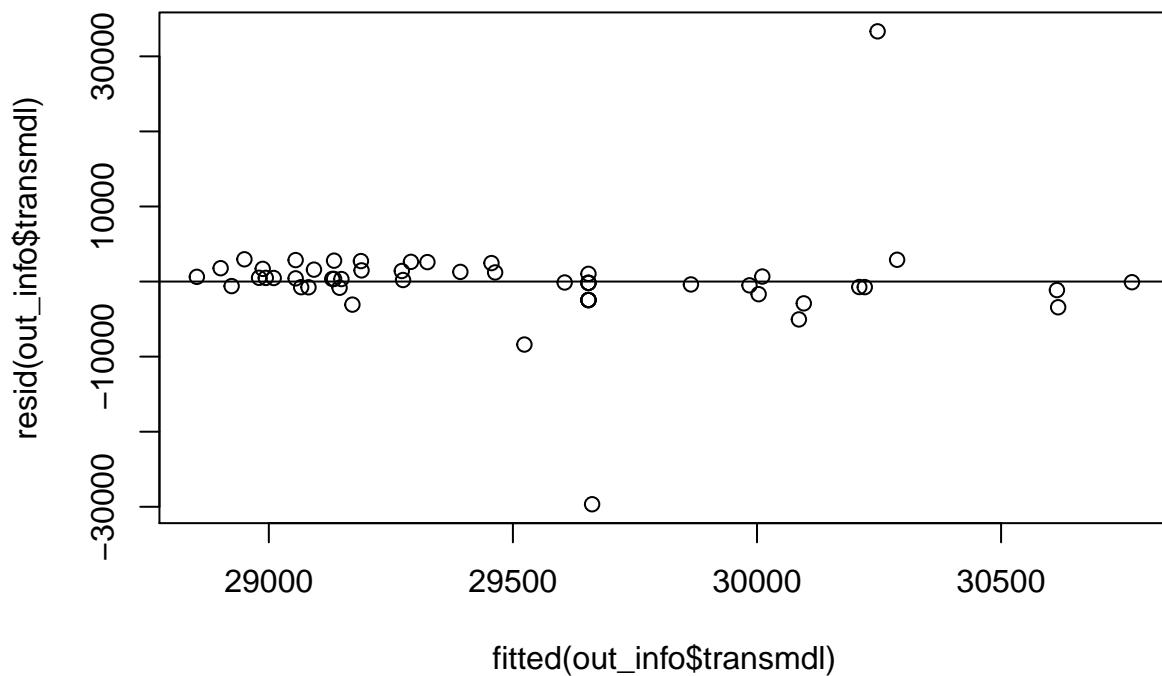
### Normal Q-Q Plot



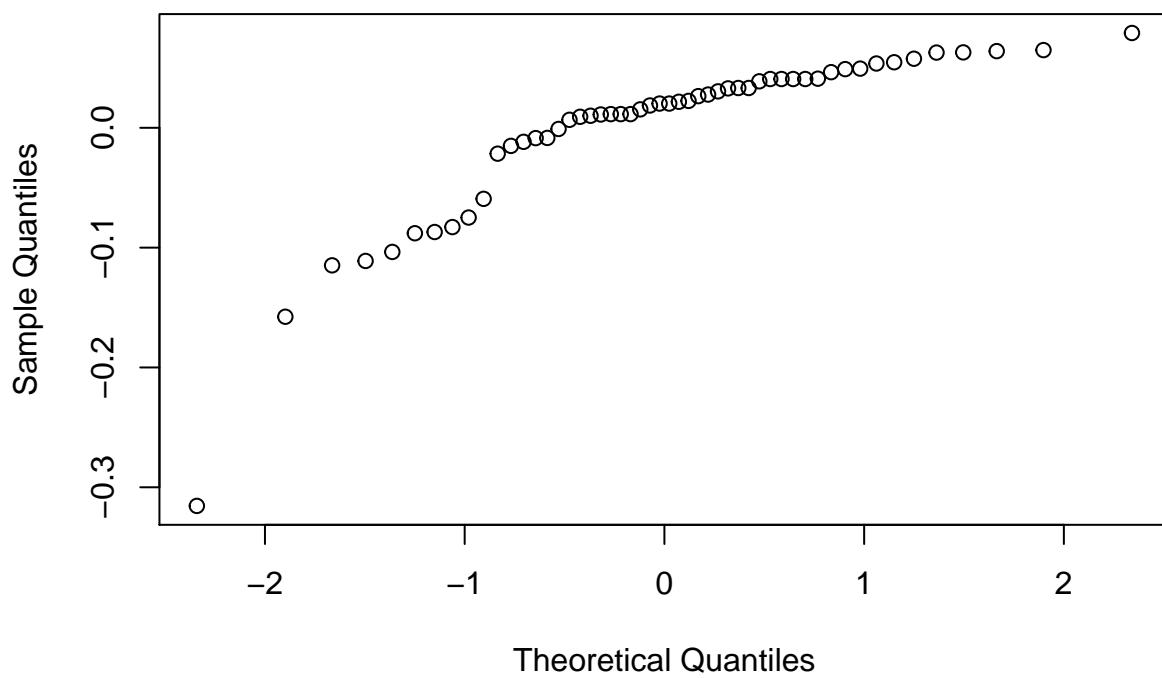
**Plot of PFOSAorig+  
Plot of PFOSAorigtime.since.baseline  
Plot of PFOSAorigEthnicity**



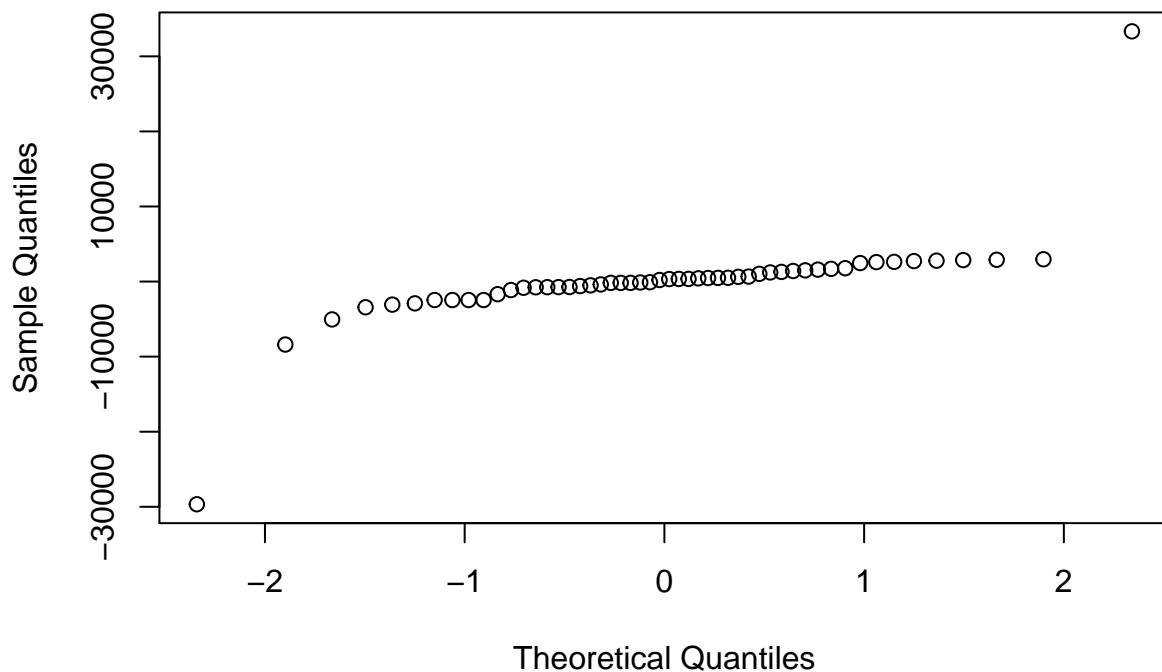
**Plot of PFNAtrans+  
Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



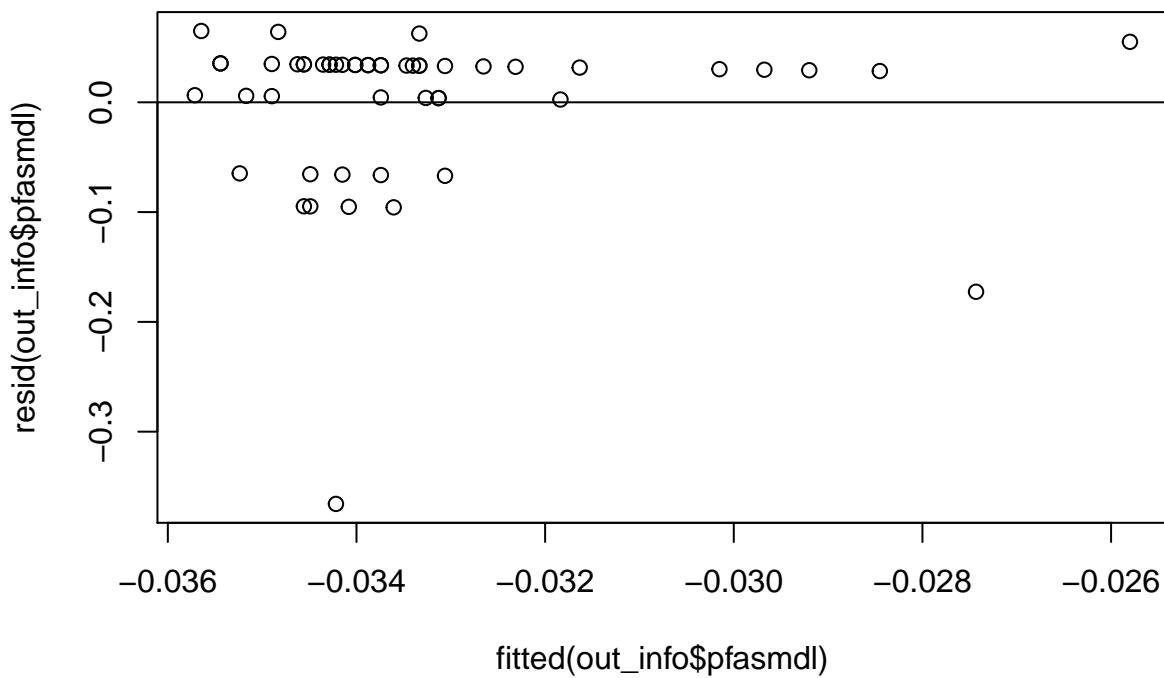
**Normal Q-Q Plot**



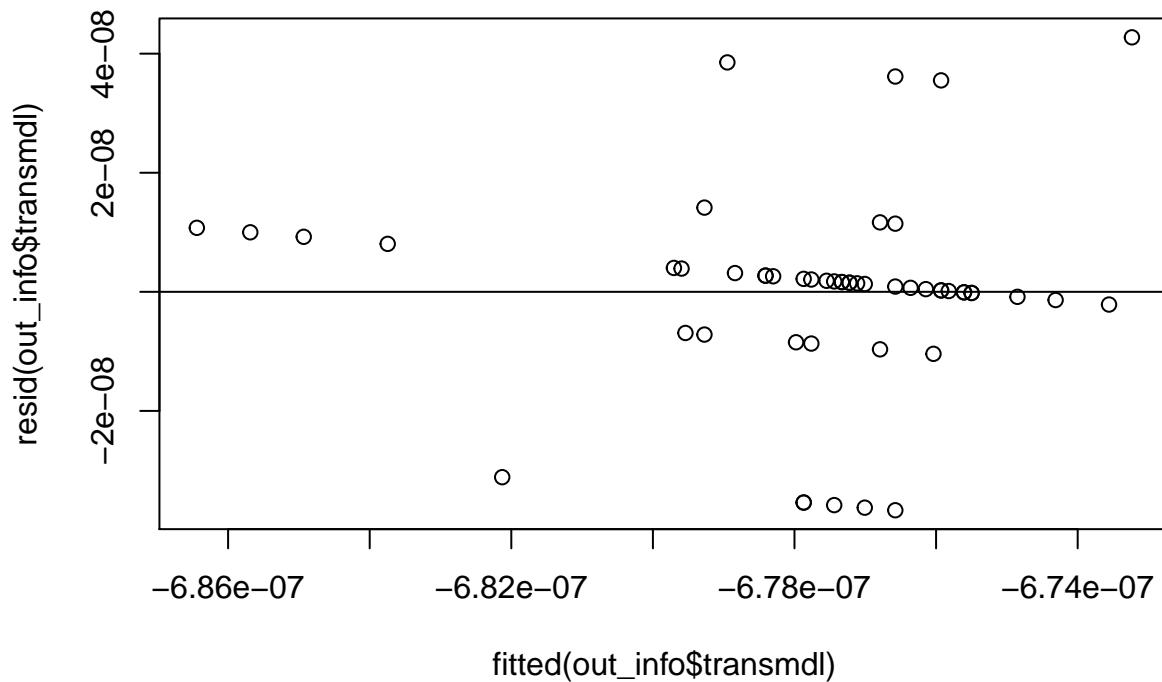
### Normal Q-Q Plot



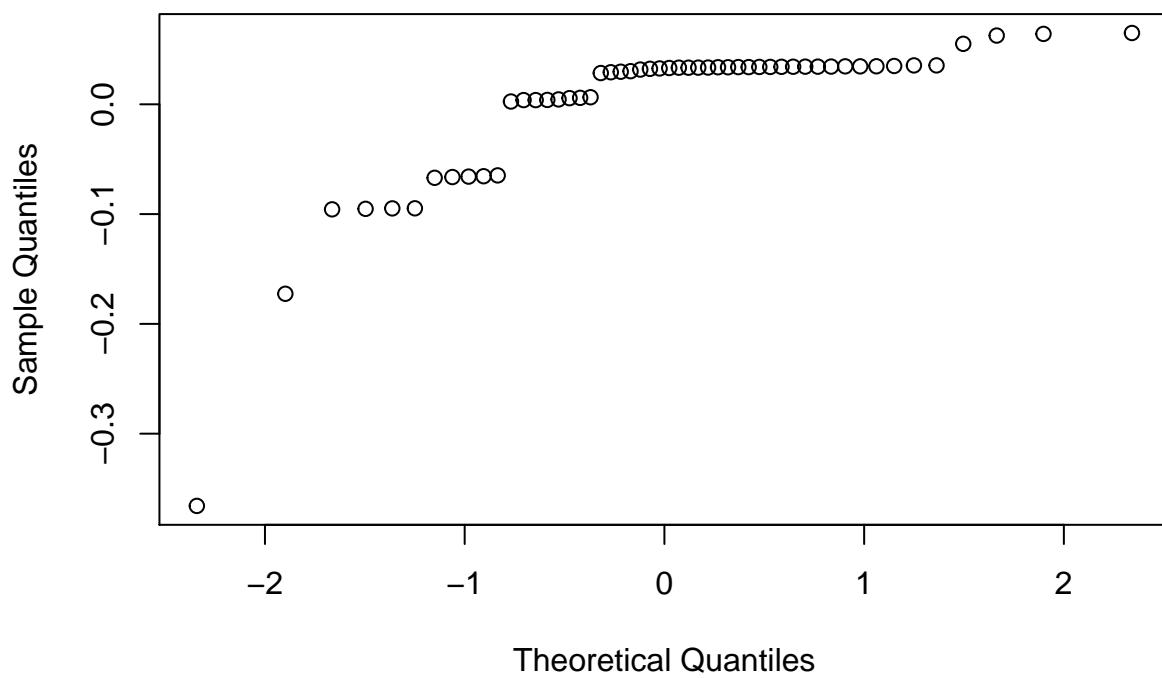
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.num.fireruns  
Plot of PFOSAorigEthnicity



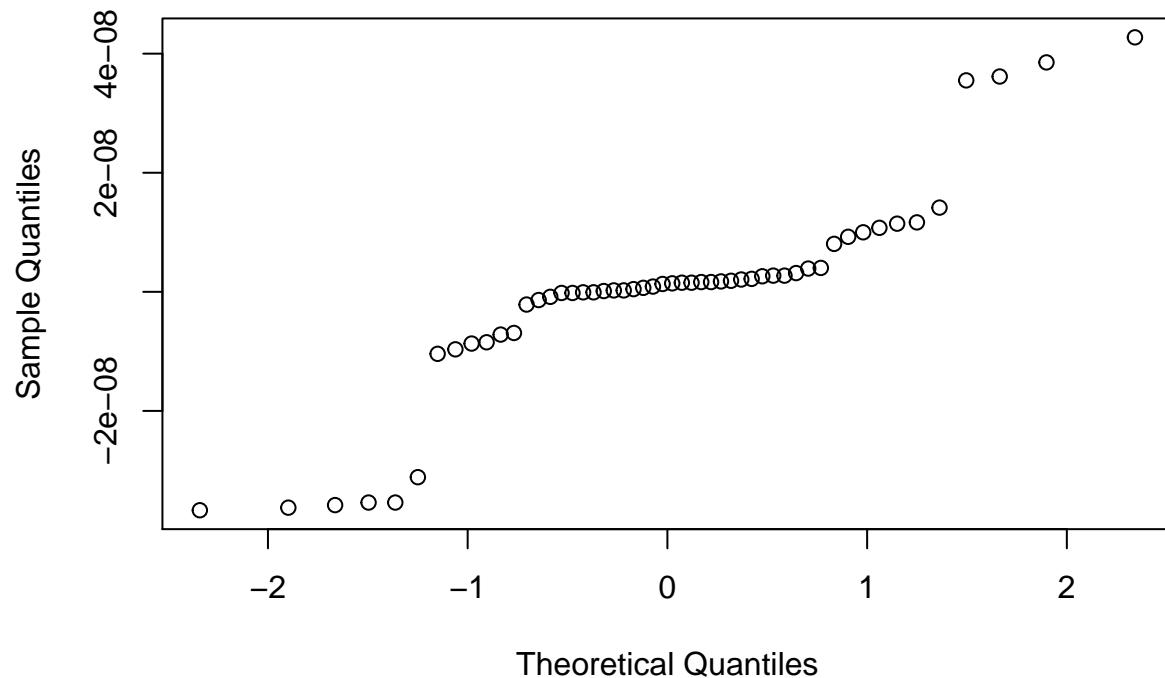
**Plot of PFUATrans+  
Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**



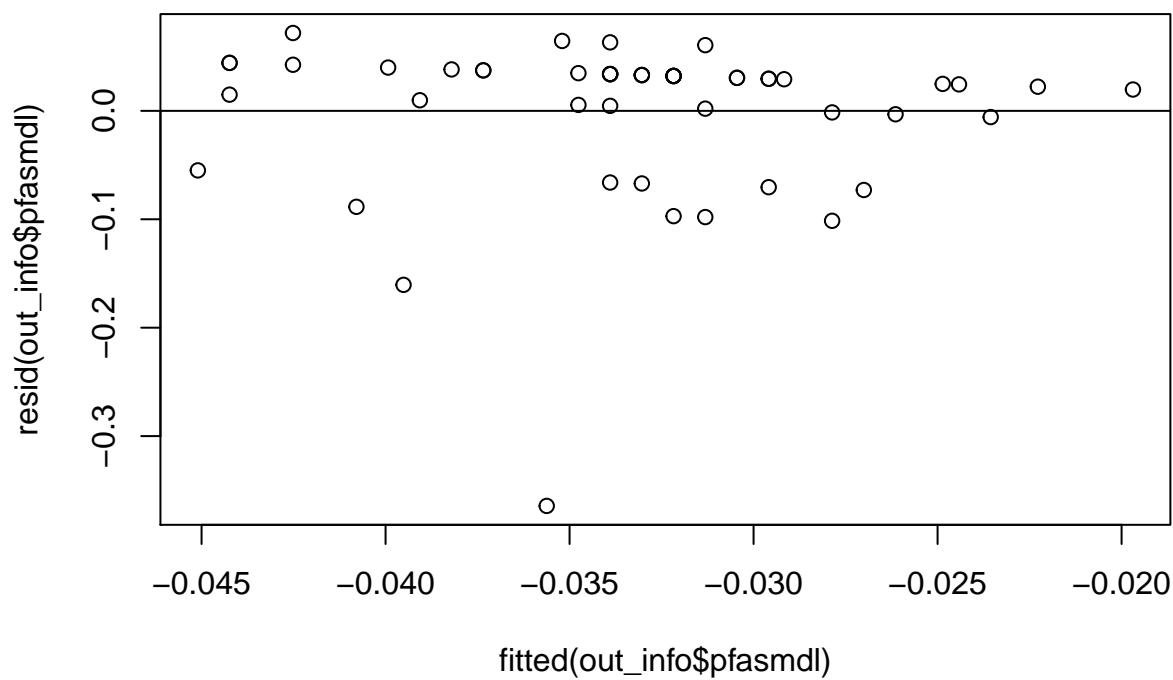
**Normal Q-Q Plot**



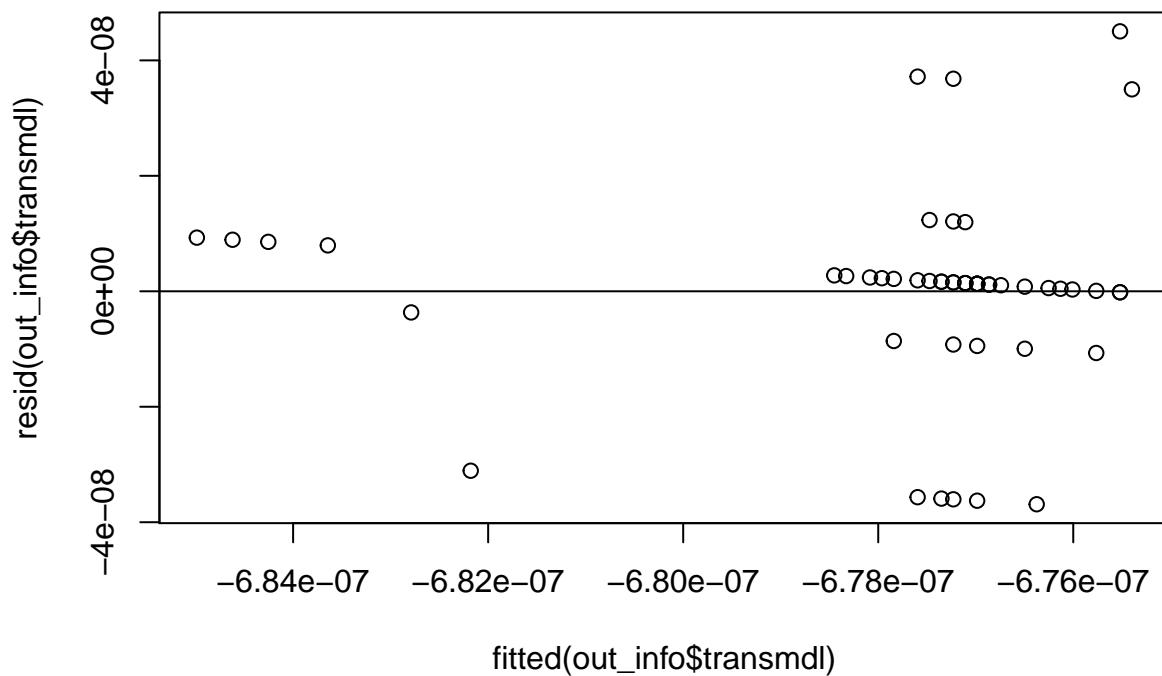
### Normal Q-Q Plot



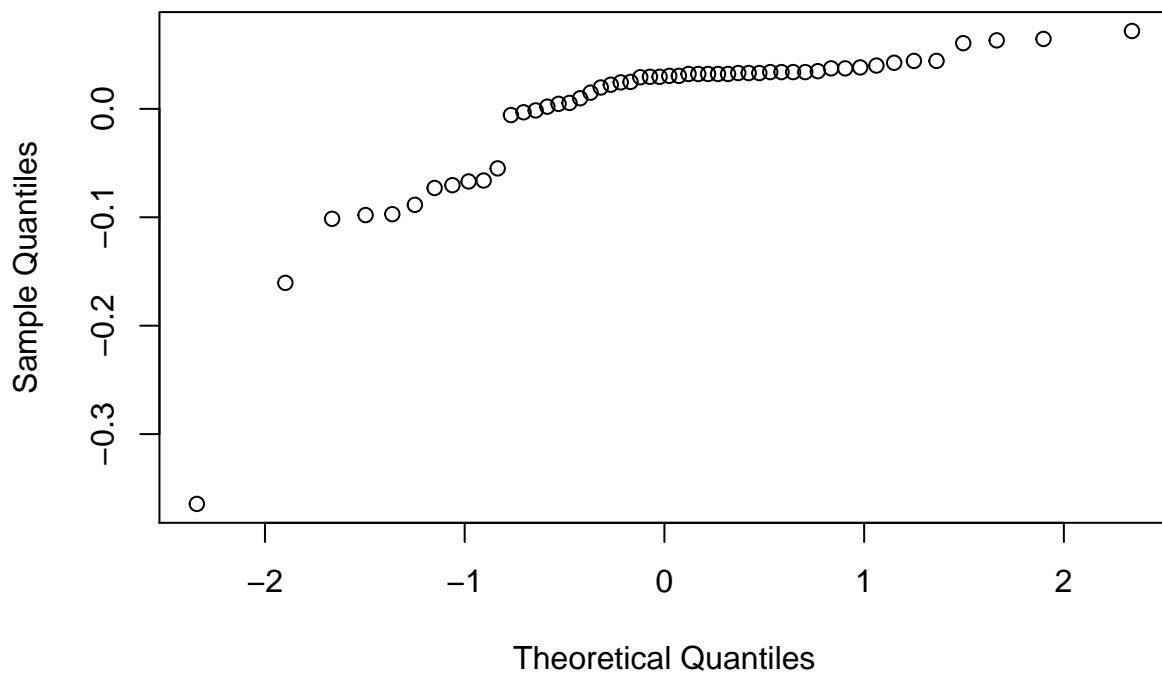
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



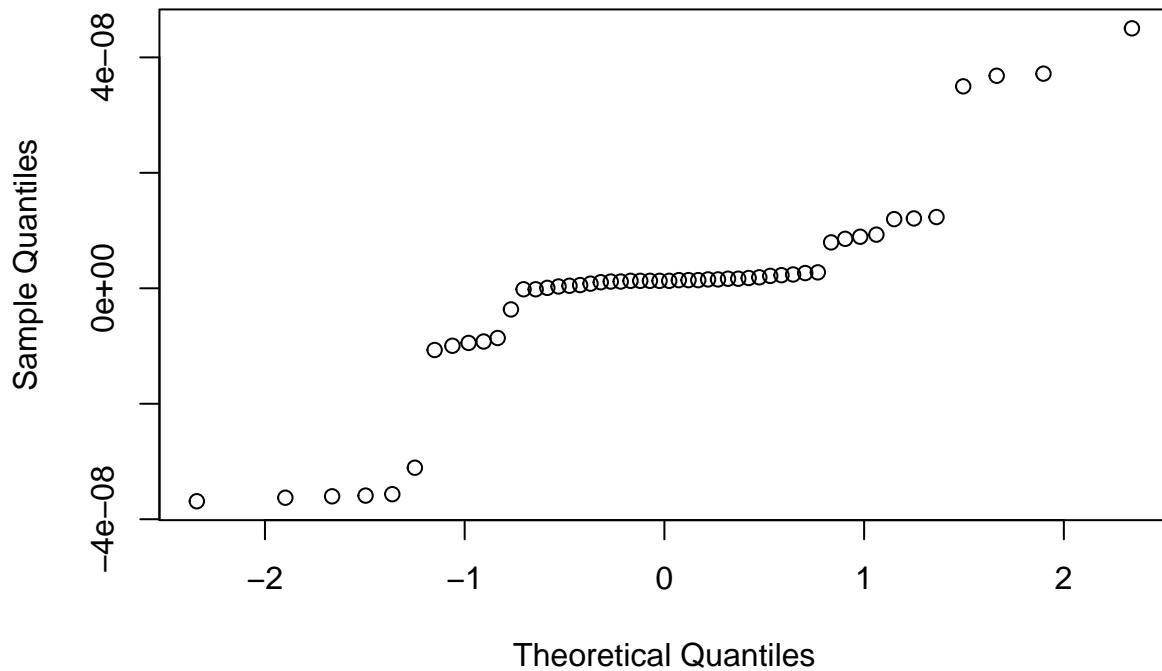
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



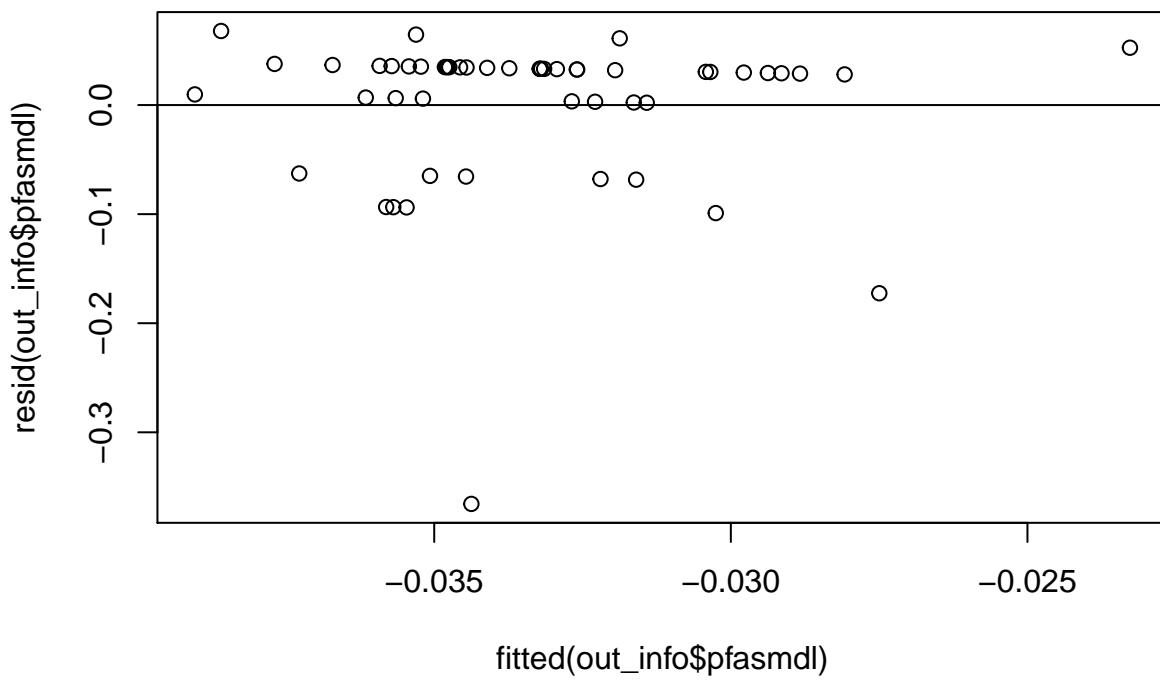
**Normal Q-Q Plot**



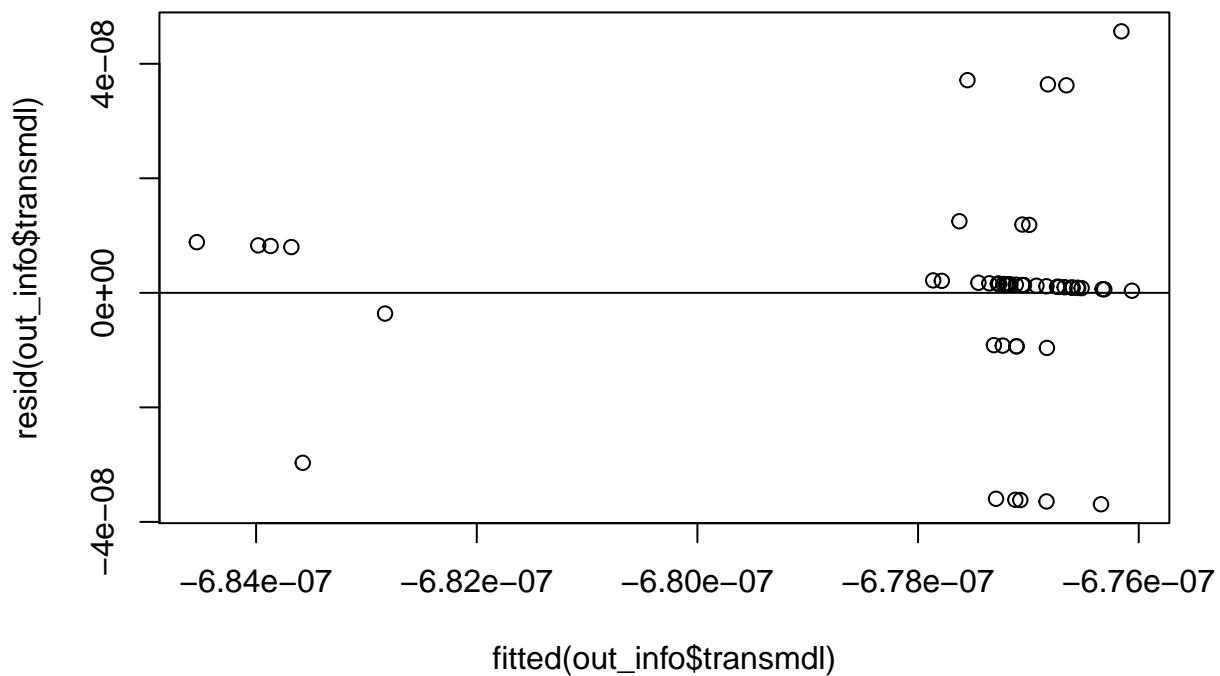
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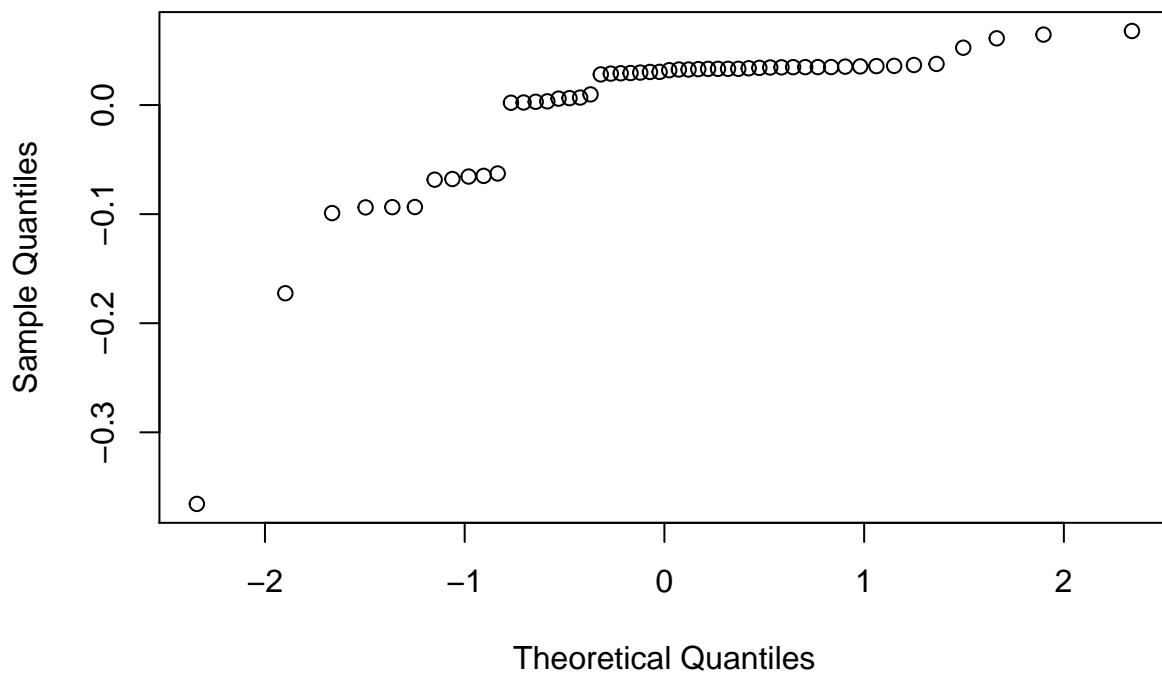
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.duration.hrs  
Plot of PFOSAorigEthnicity



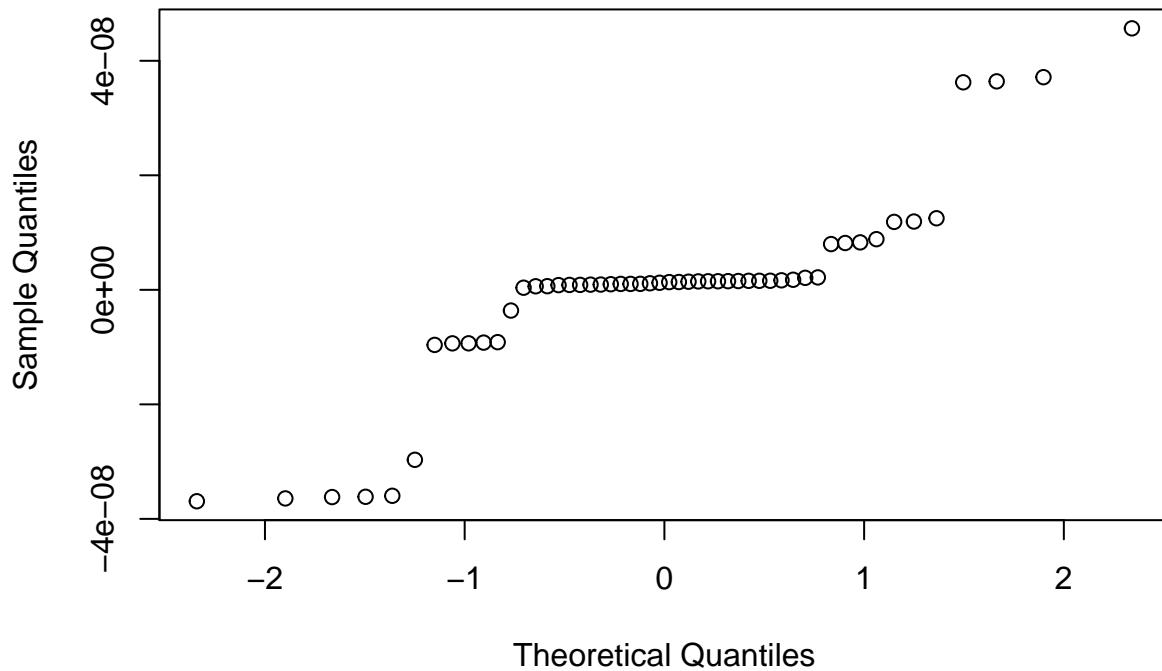
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



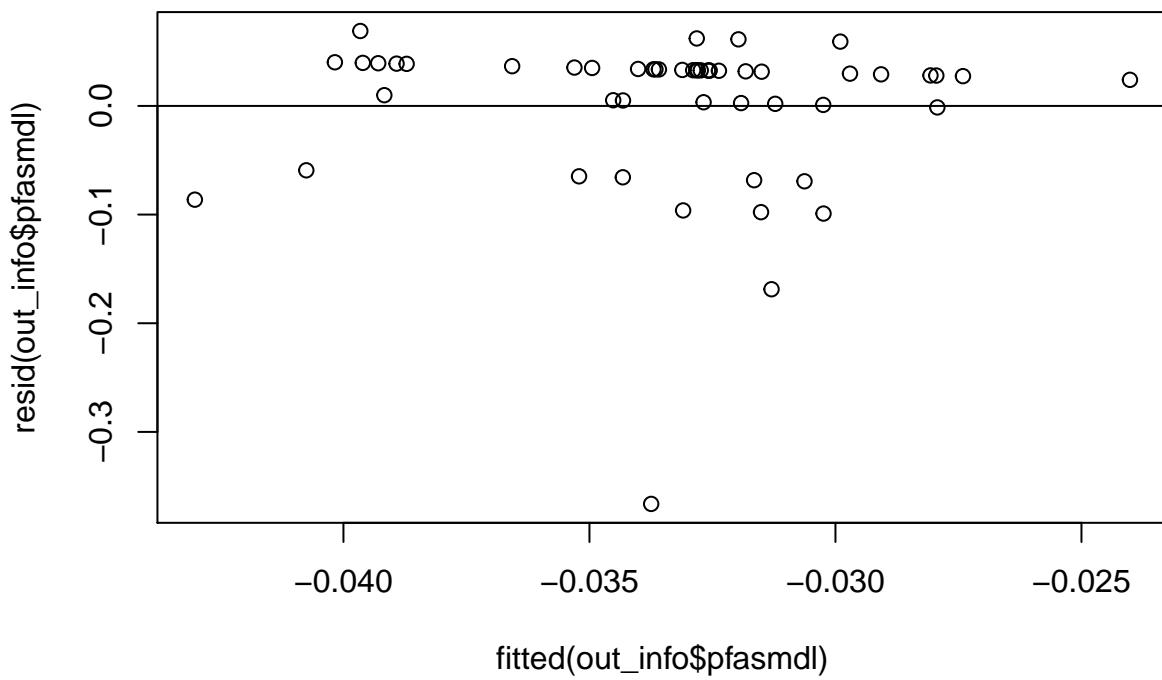
**Normal Q-Q Plot**



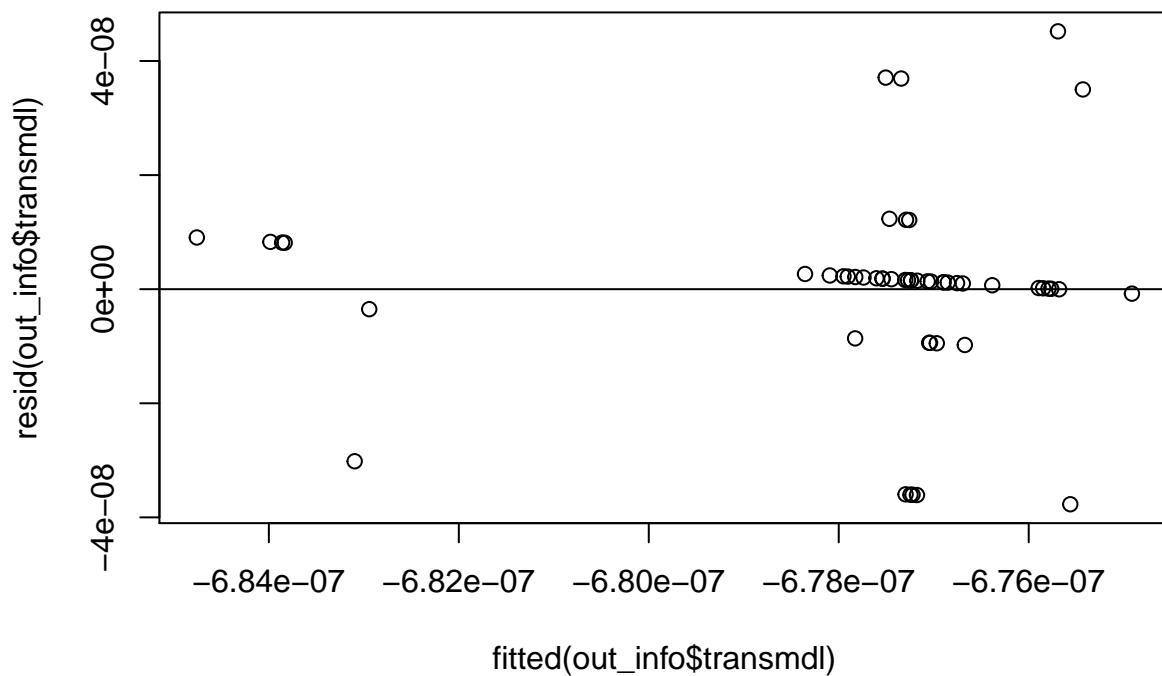
### Normal Q-Q Plot



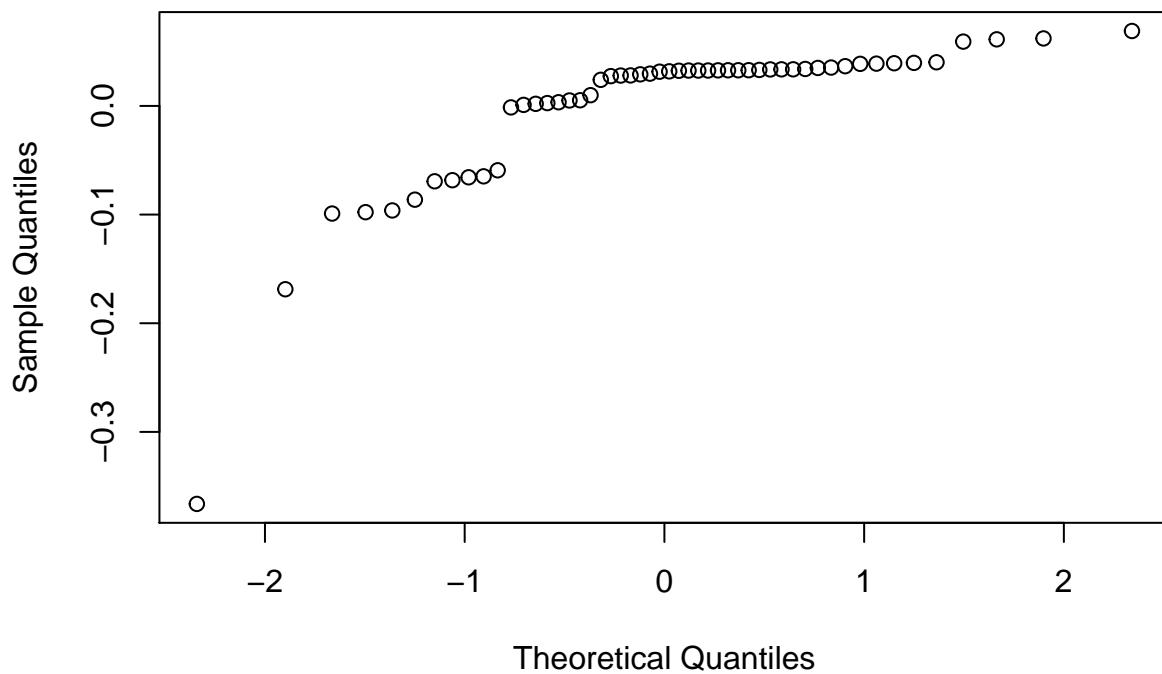
Plot of PFOSAorig+  
Plot of PFOSAorigstr.duration.hrs  
Plot of PFOSAorigEthnicity



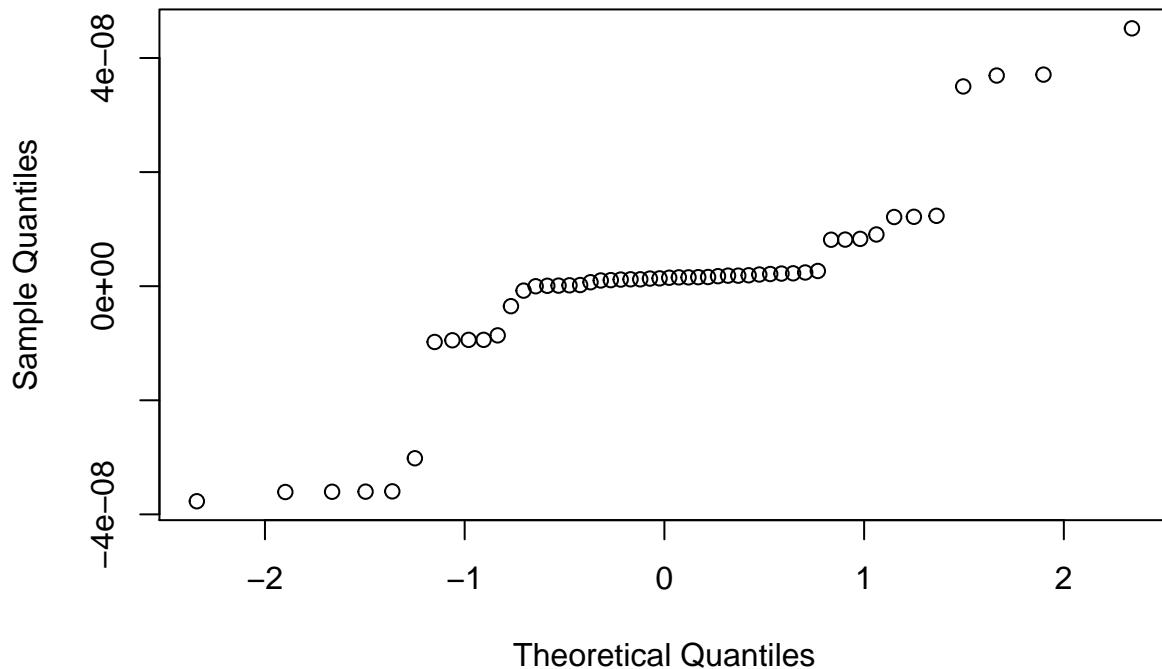
**Plot of PFUATrans+  
Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



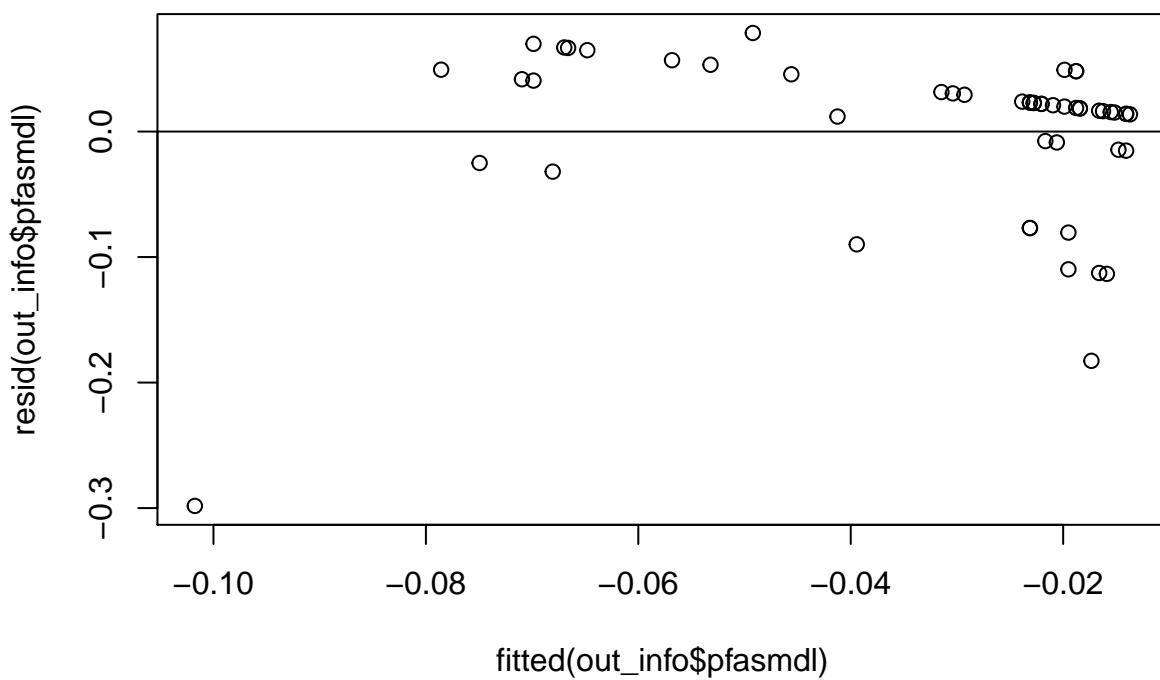
**Normal Q-Q Plot**



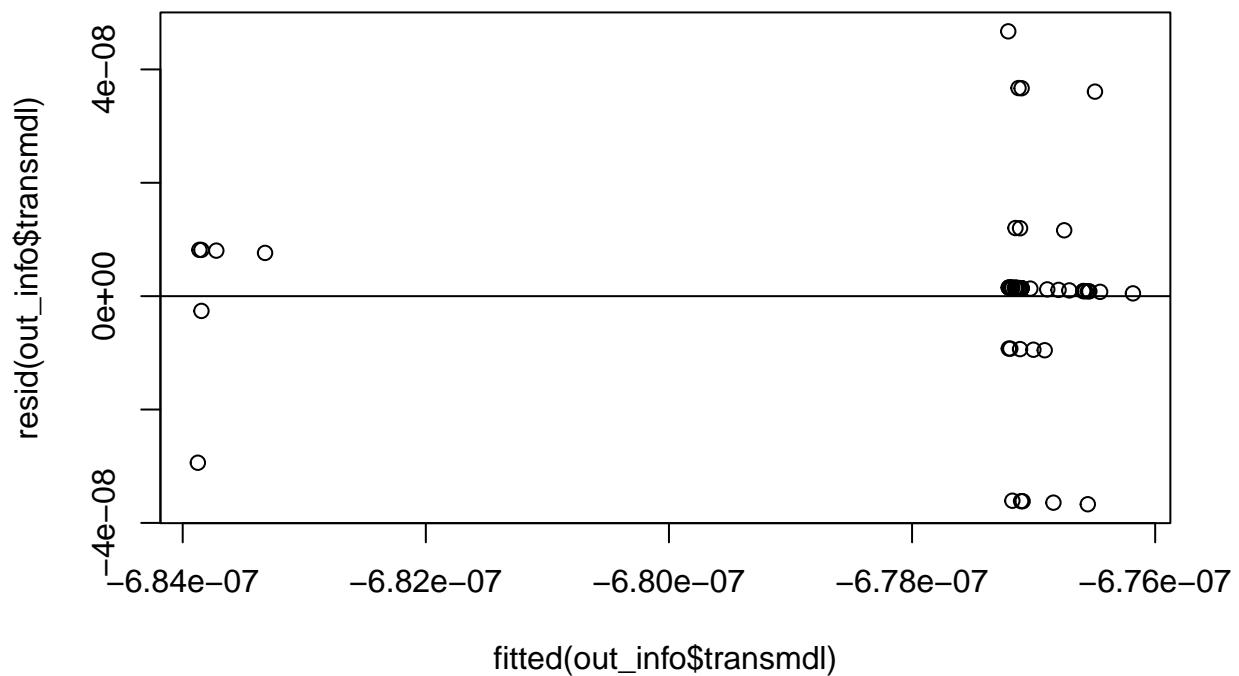
### Normal Q-Q Plot



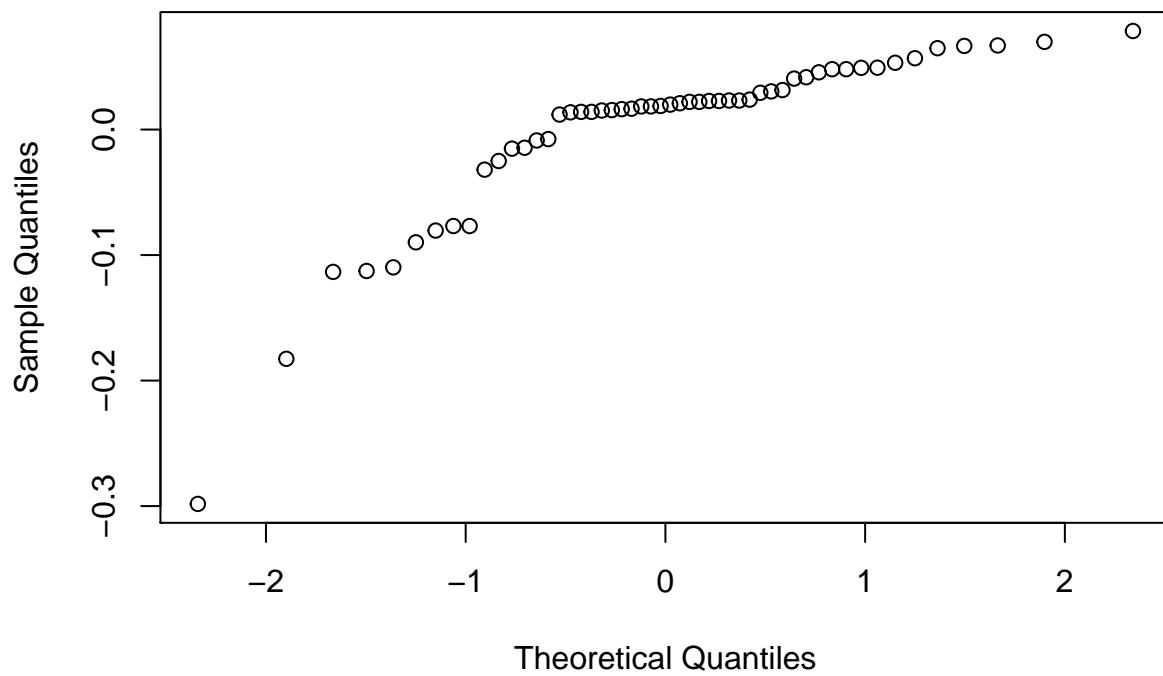
**Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.MRF  
Plot of PFOSAorigEthnicity**



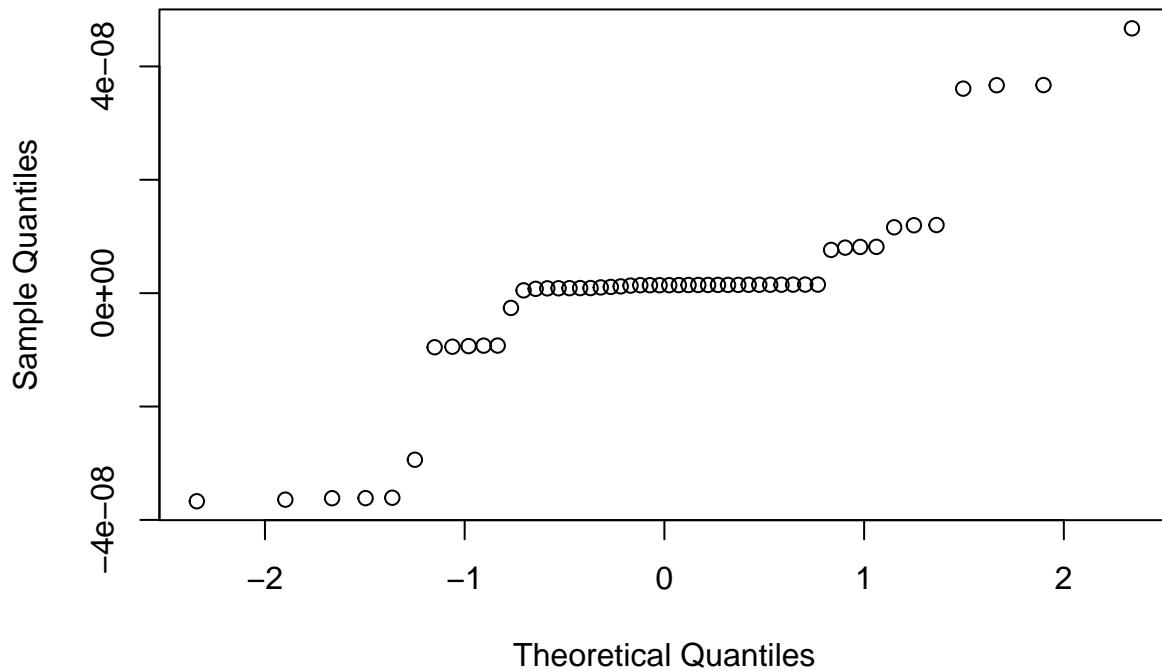
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



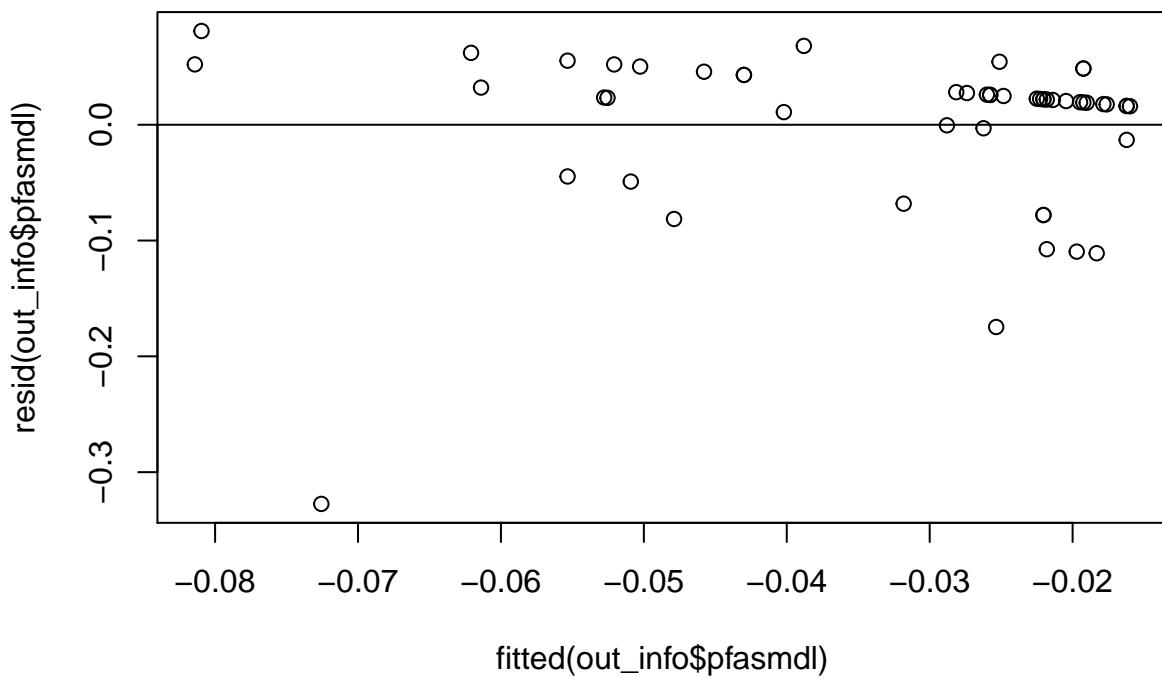
**Normal Q-Q Plot**



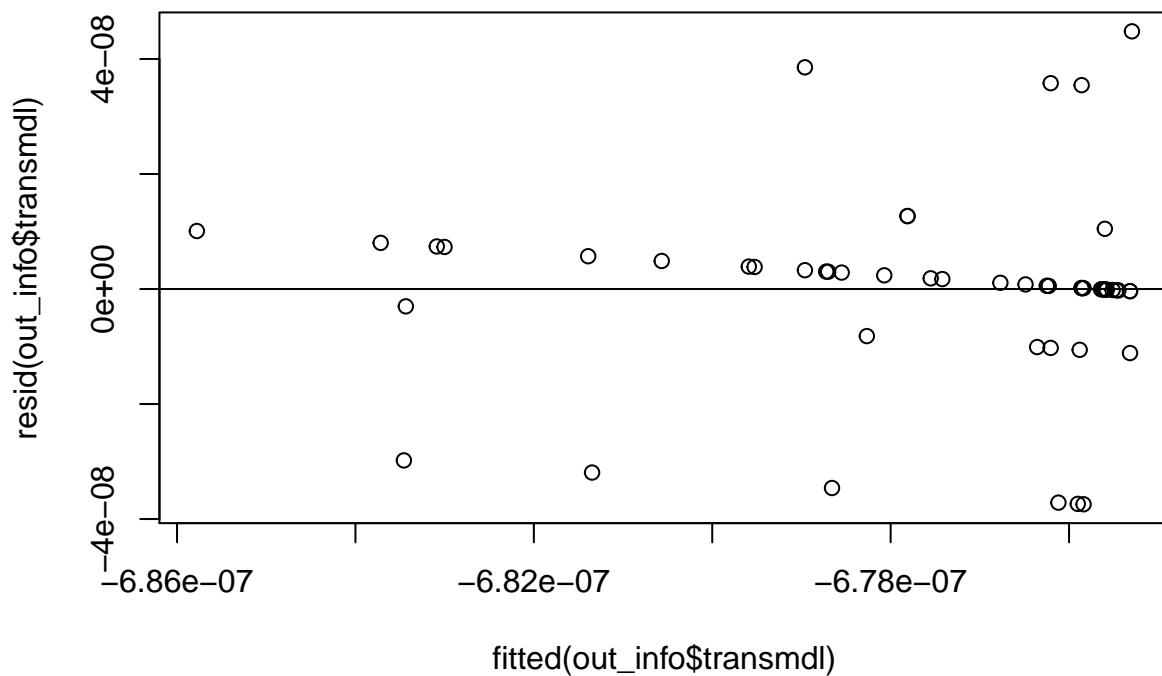
### Normal Q-Q Plot



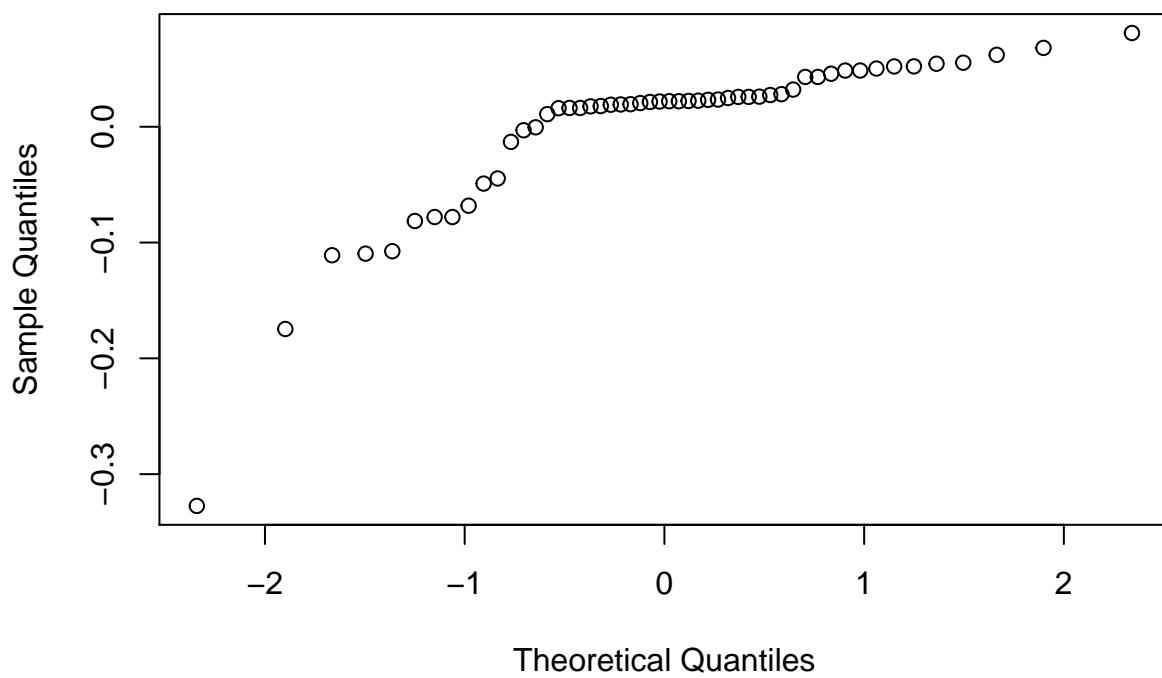
Plot of PFOSAorig+  
Plot of PFOSAorigdays.since.struc.MRF  
Plot of PFOSAorigEthnicity



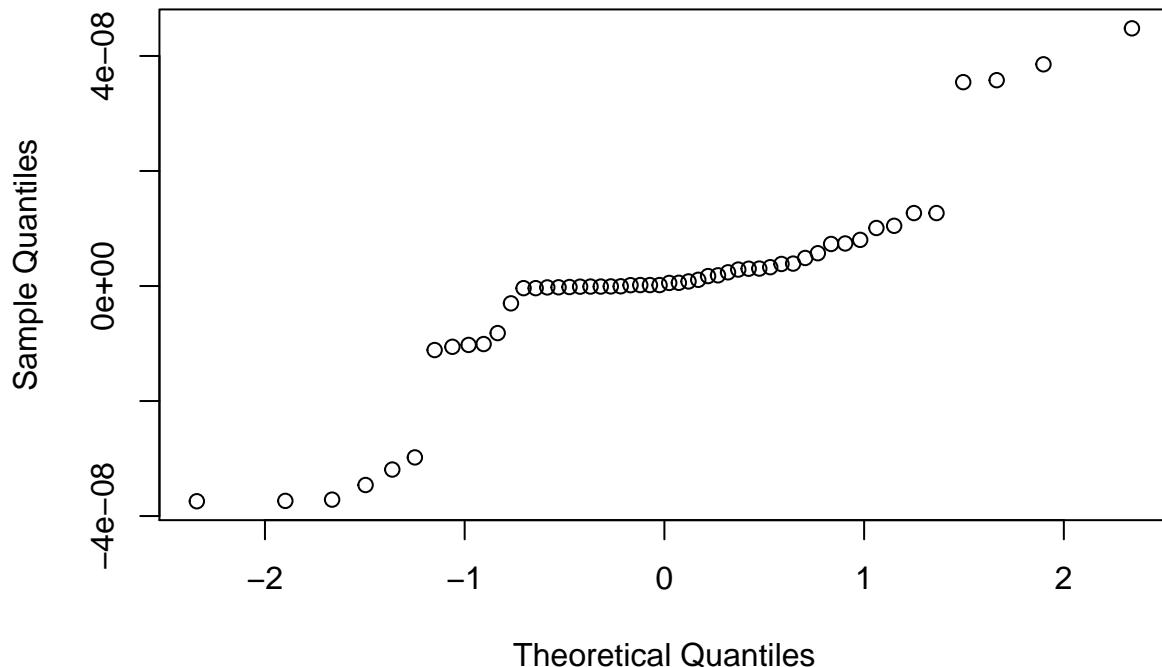
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



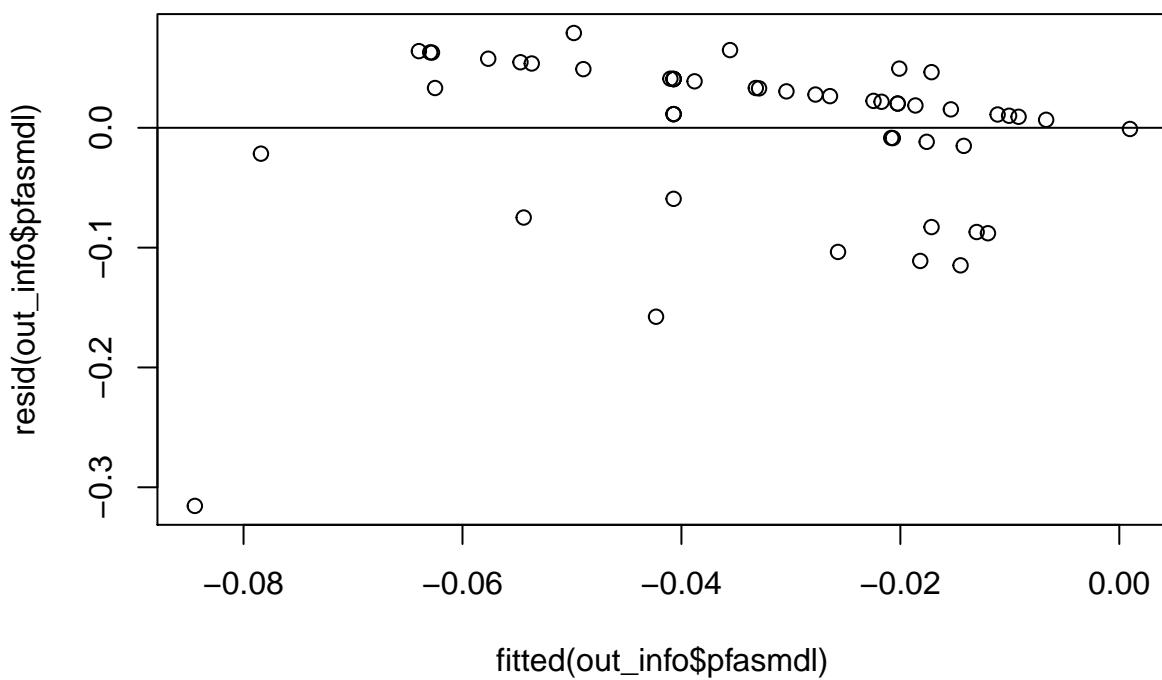
**Normal Q-Q Plot**



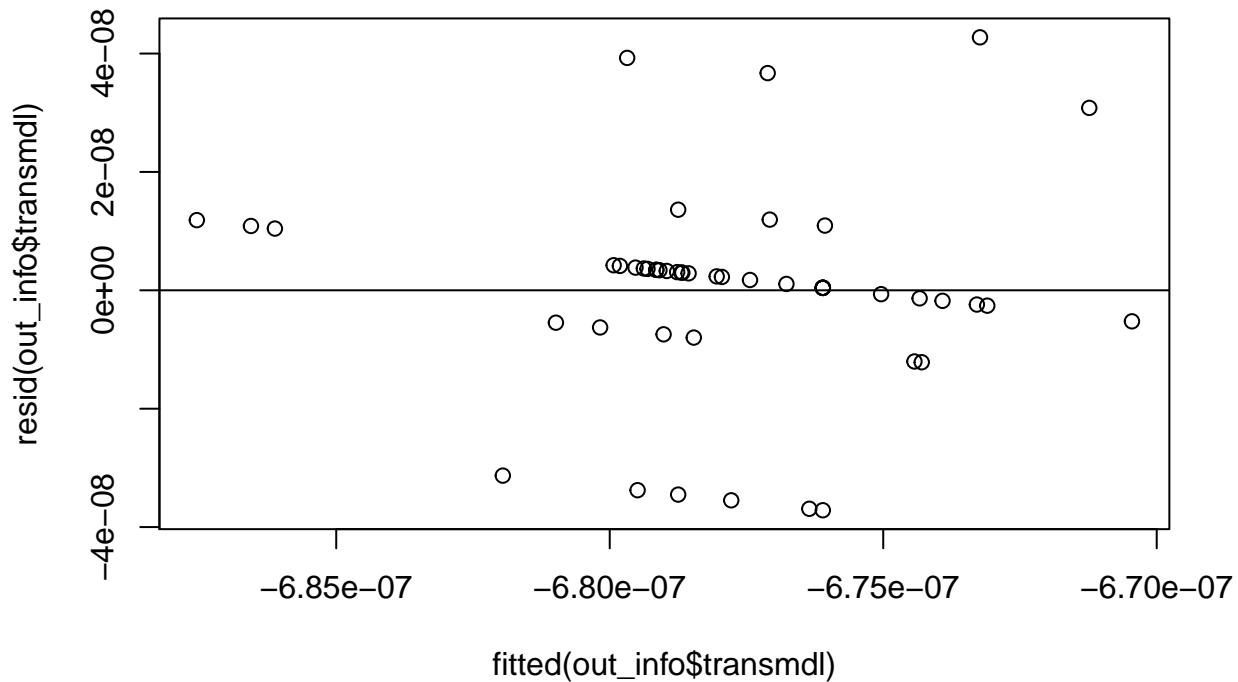
### Normal Q-Q Plot



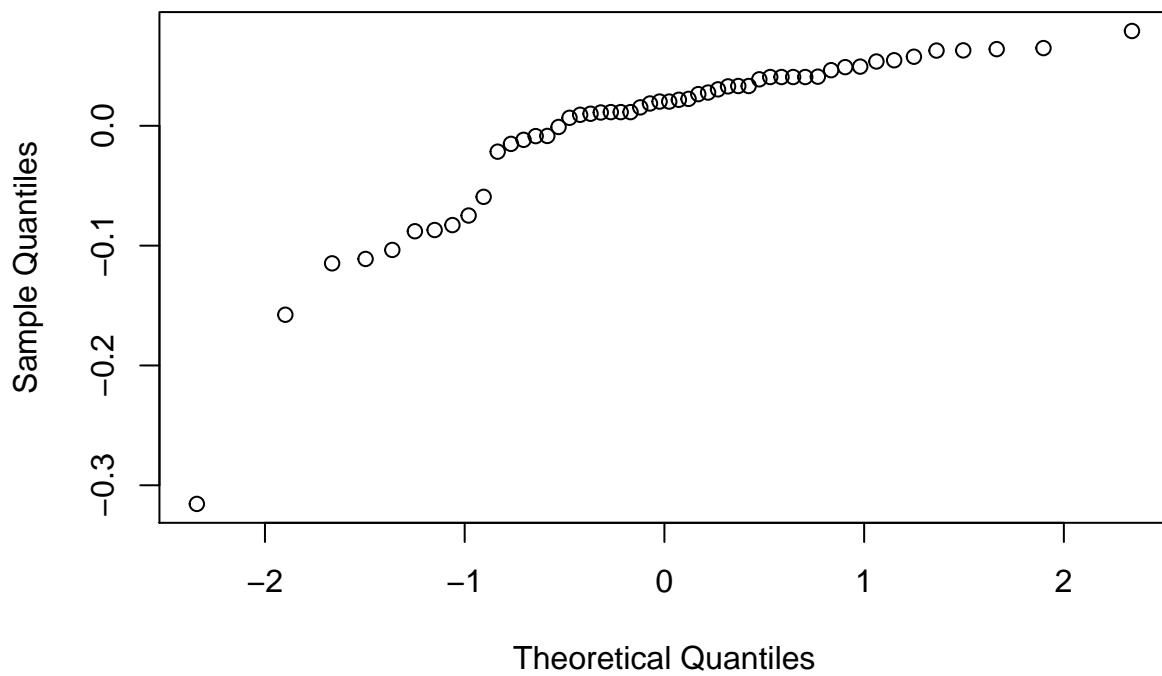
**Plot of PFOSAorig+  
Plot of PFOSAorigtime.since.baseline  
Plot of PFOSAorigEthnicity**



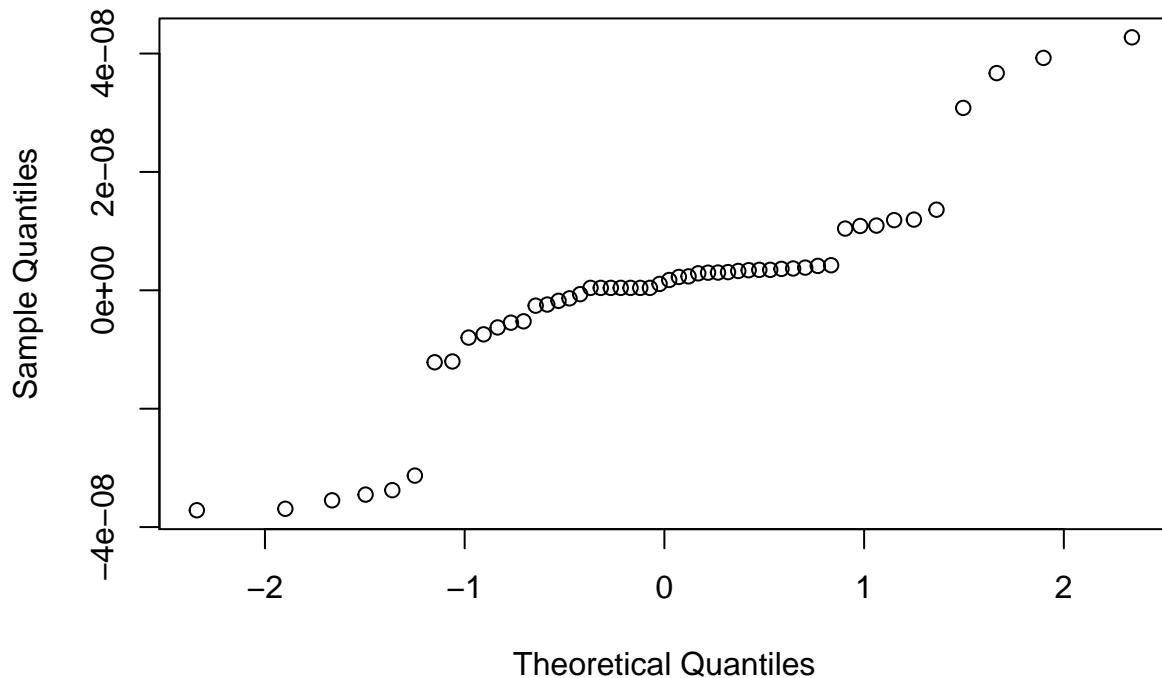
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



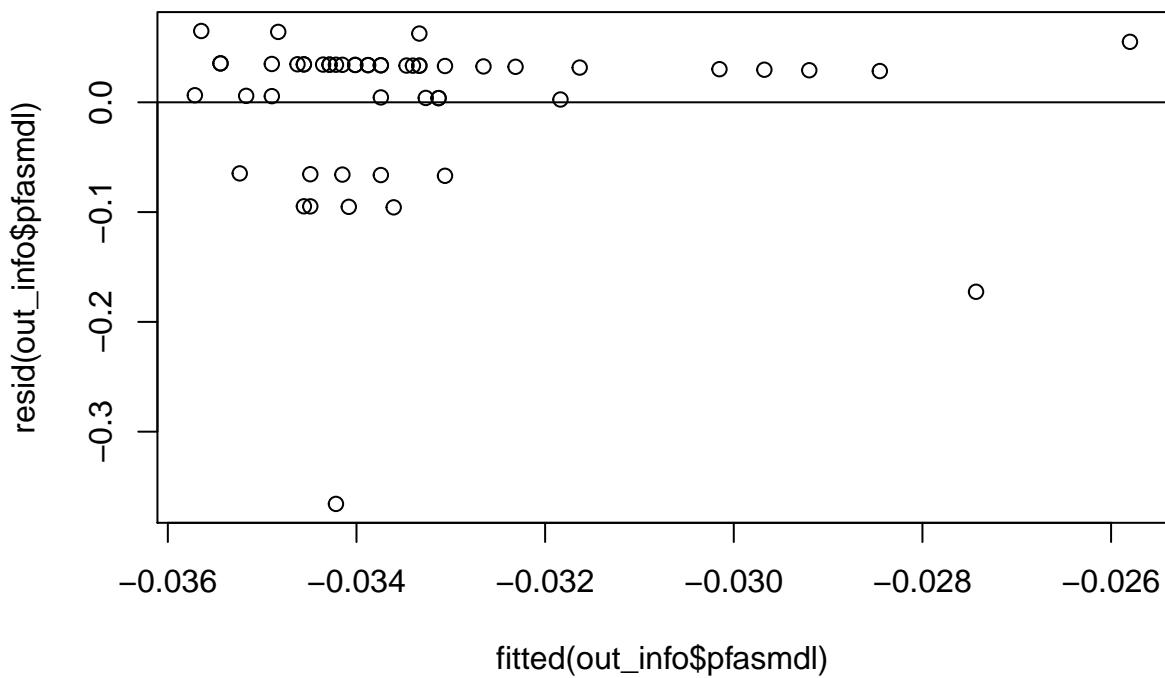
**Normal Q-Q Plot**



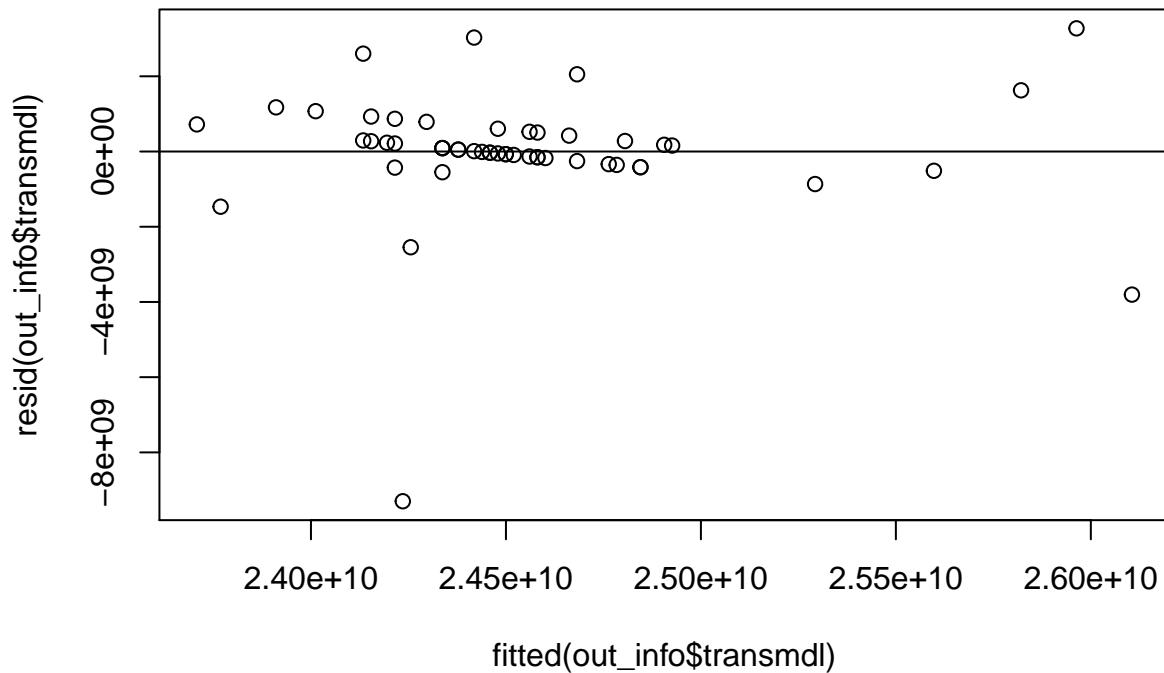
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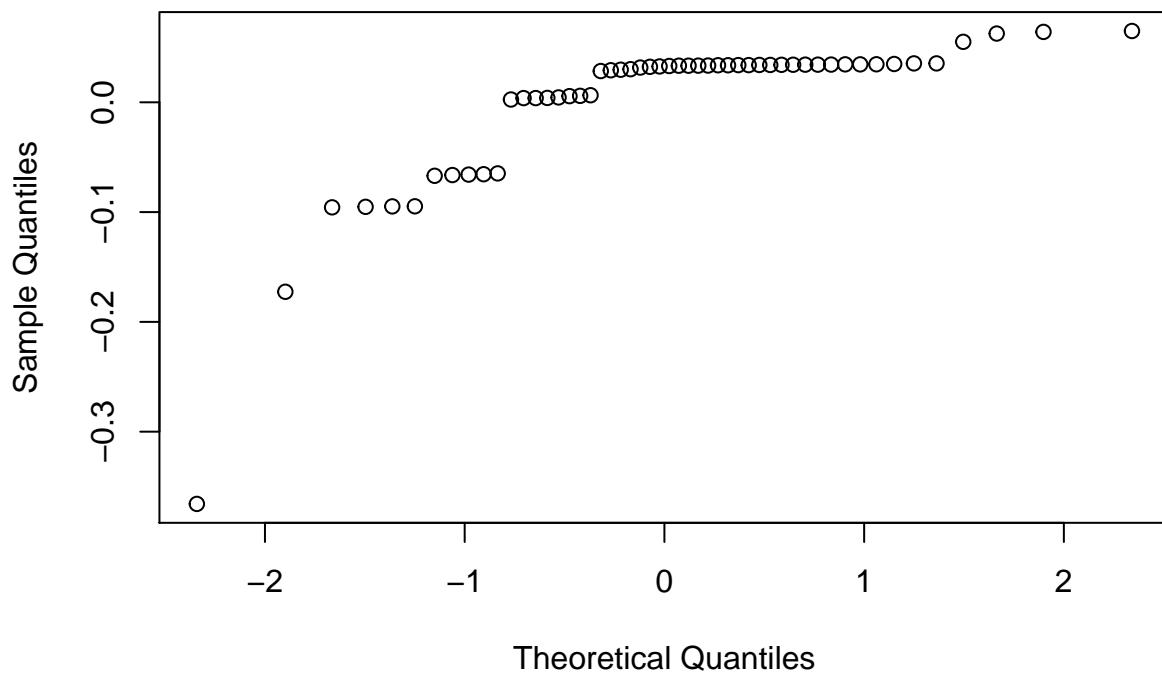
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.num.fireruns  
Plot of PFOSAorigEthnicity



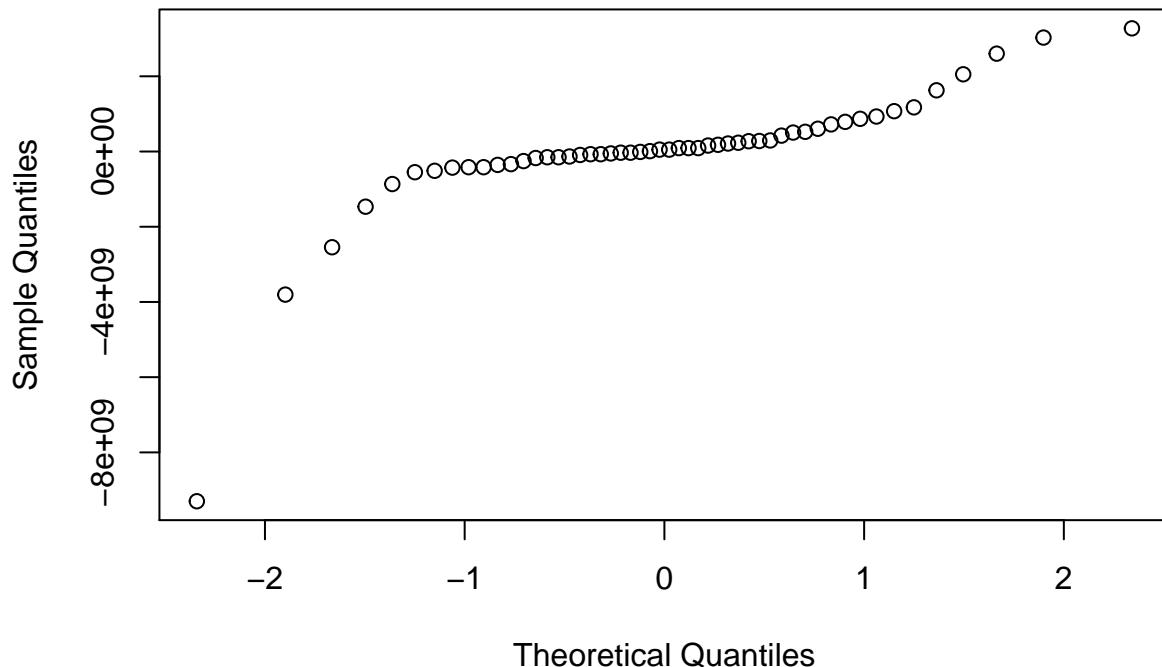
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



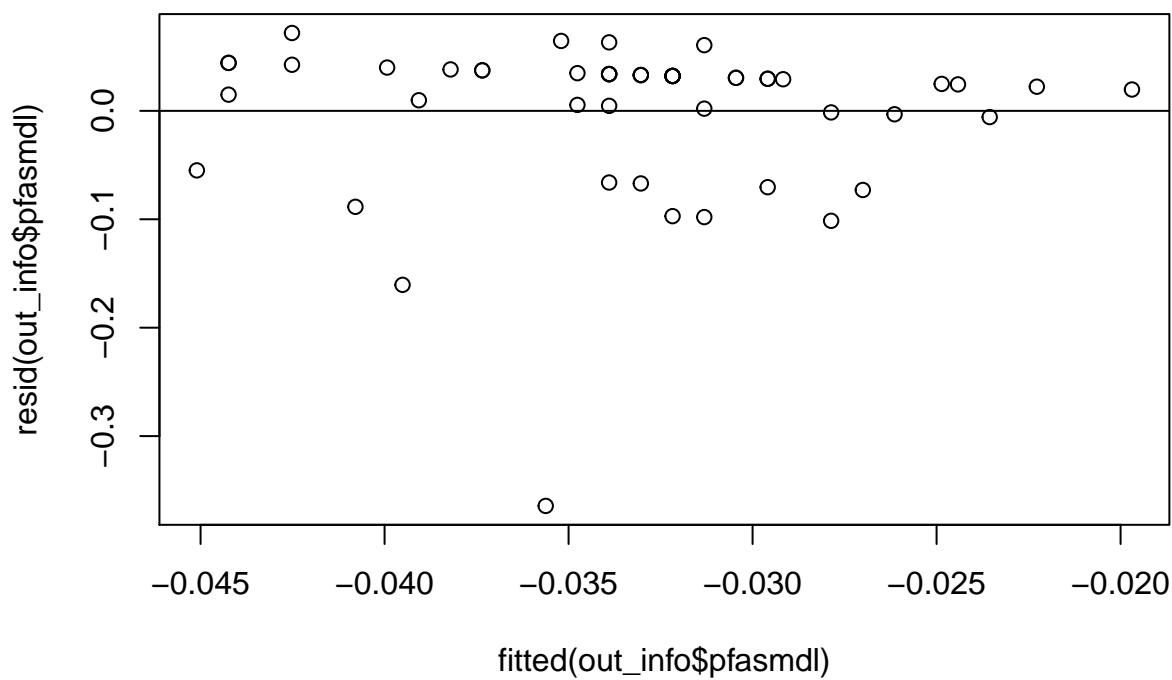
**Normal Q-Q Plot**



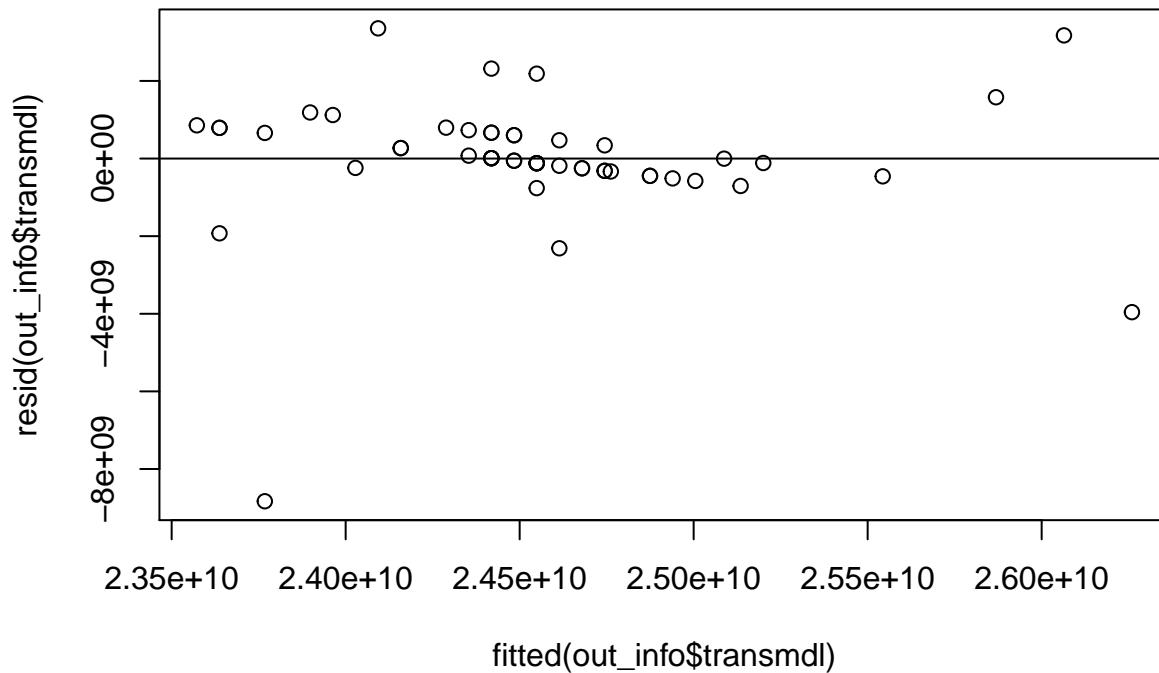
### Normal Q-Q Plot



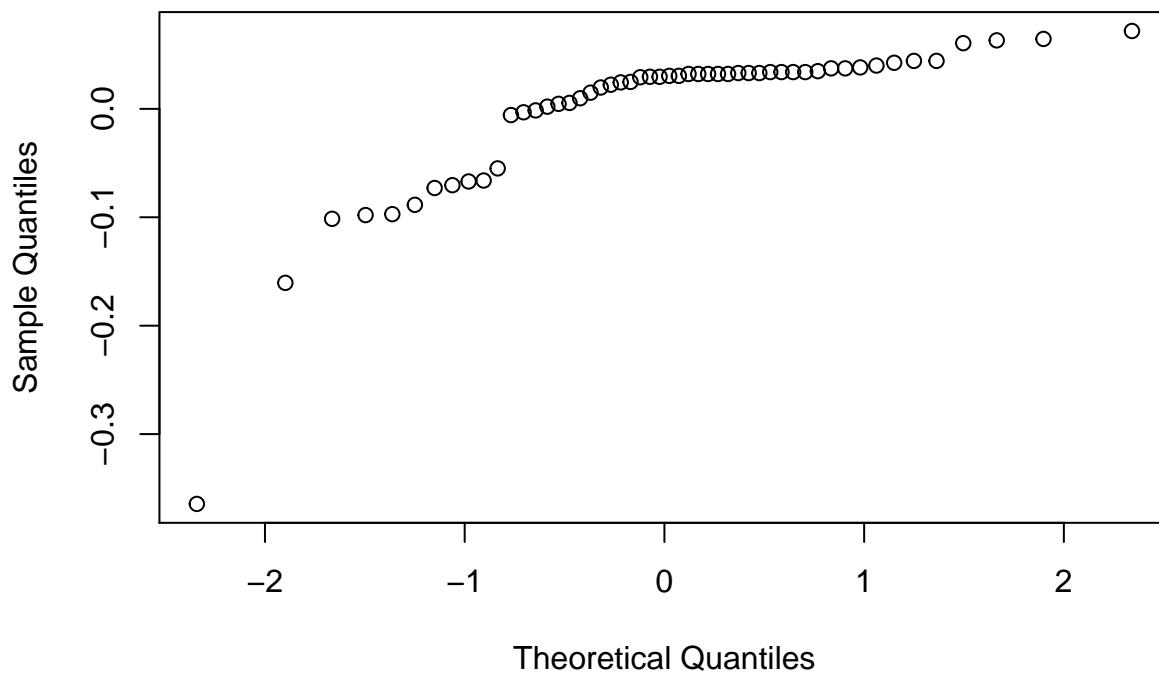
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



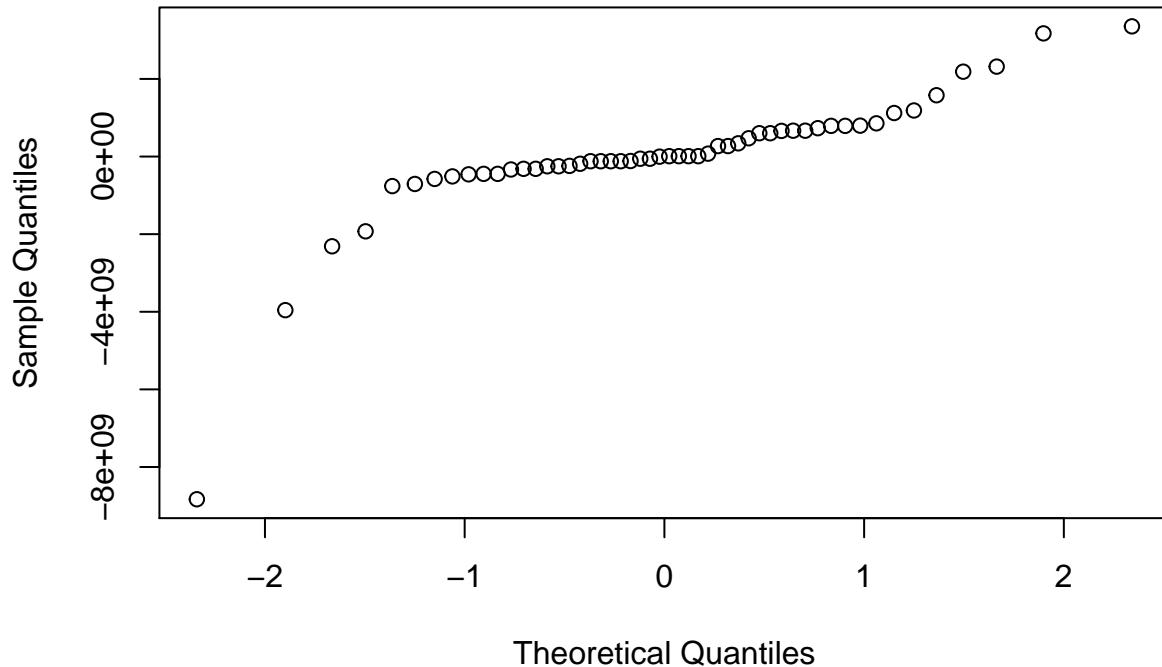
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



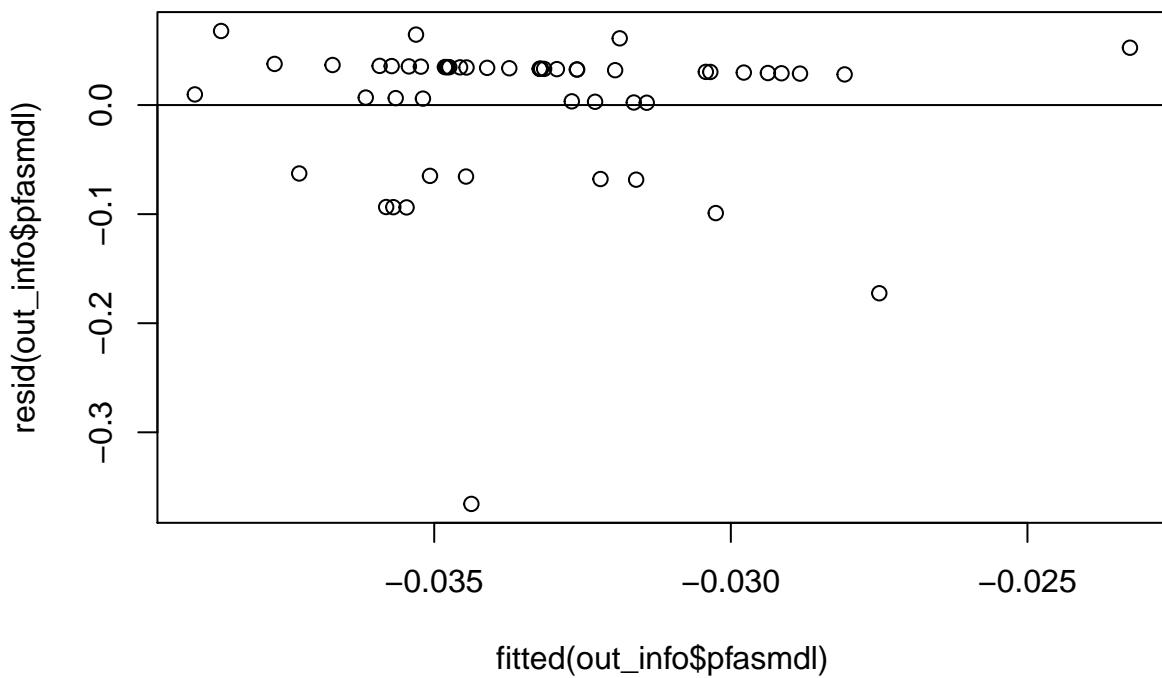
**Normal Q-Q Plot**



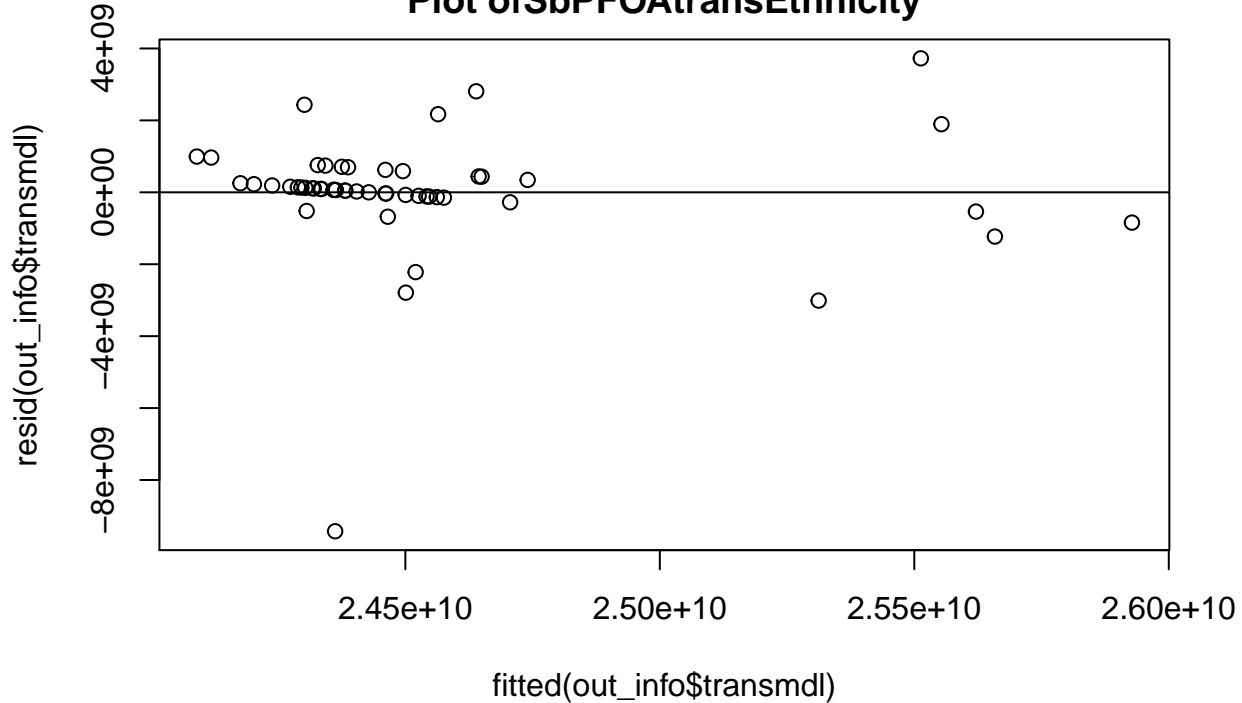
### Normal Q-Q Plot



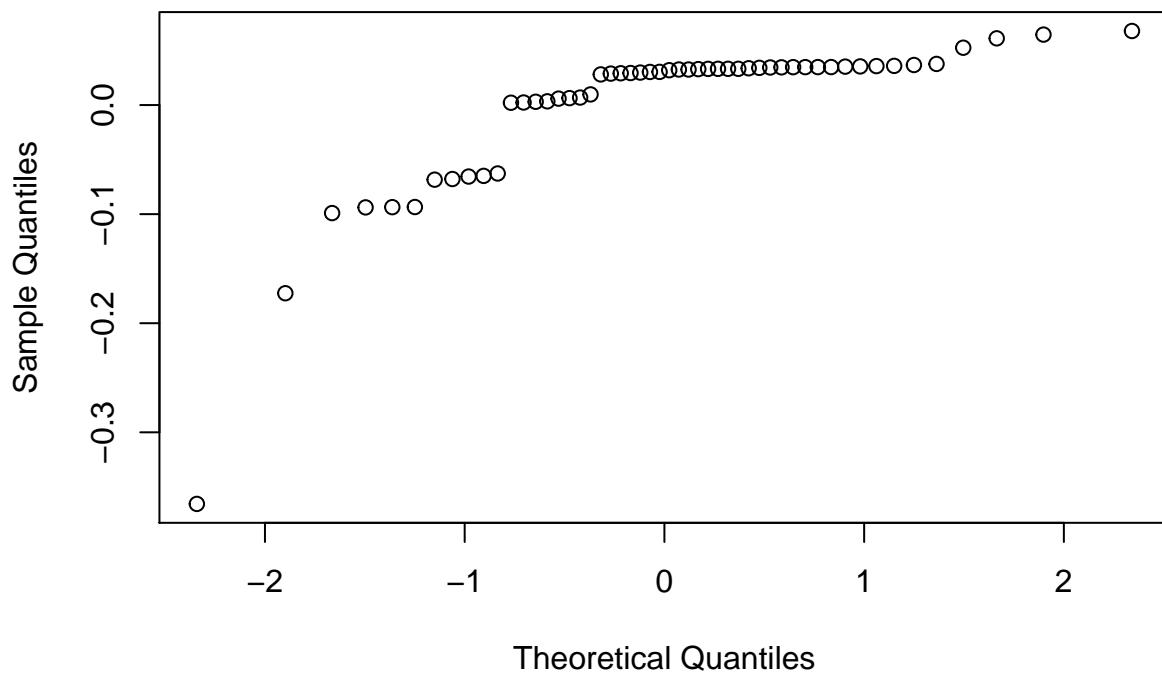
### Plot of PFOSAorig+ Plot of PFOSAorigtotal.duration.hrs Plot of PFOSAorigEthnicity

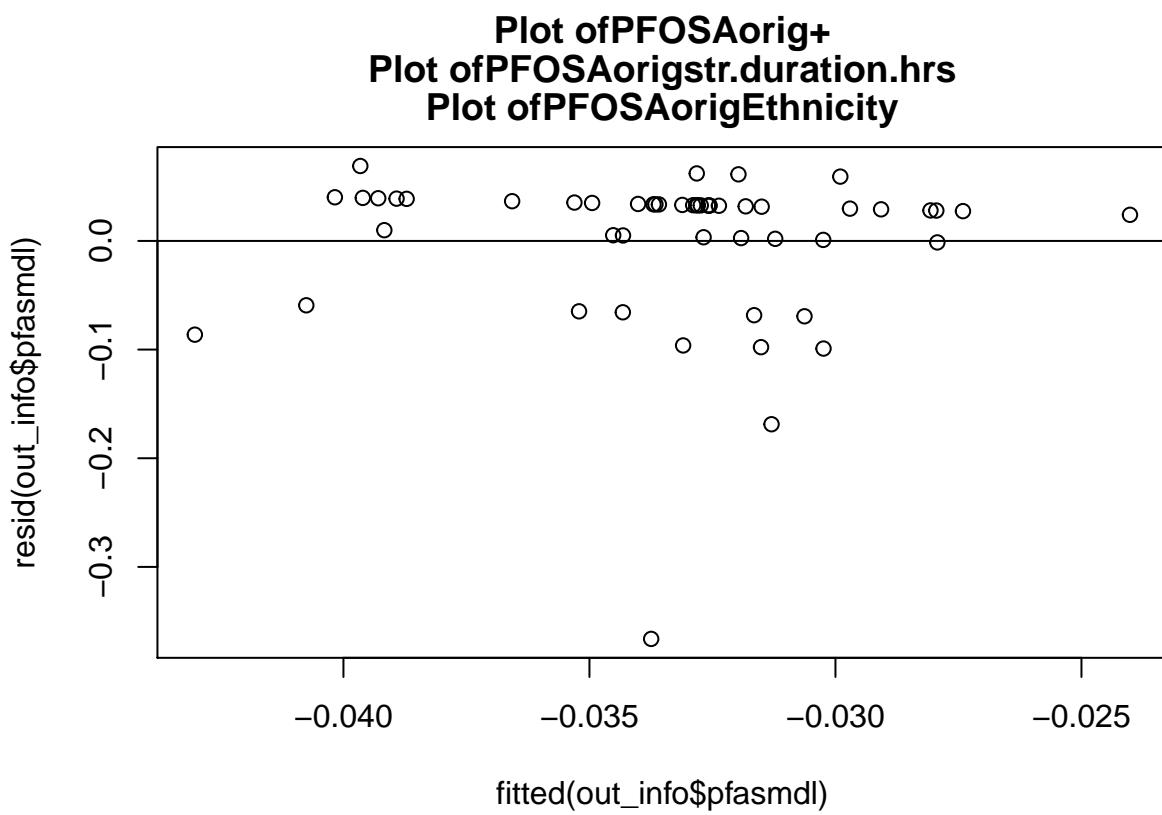
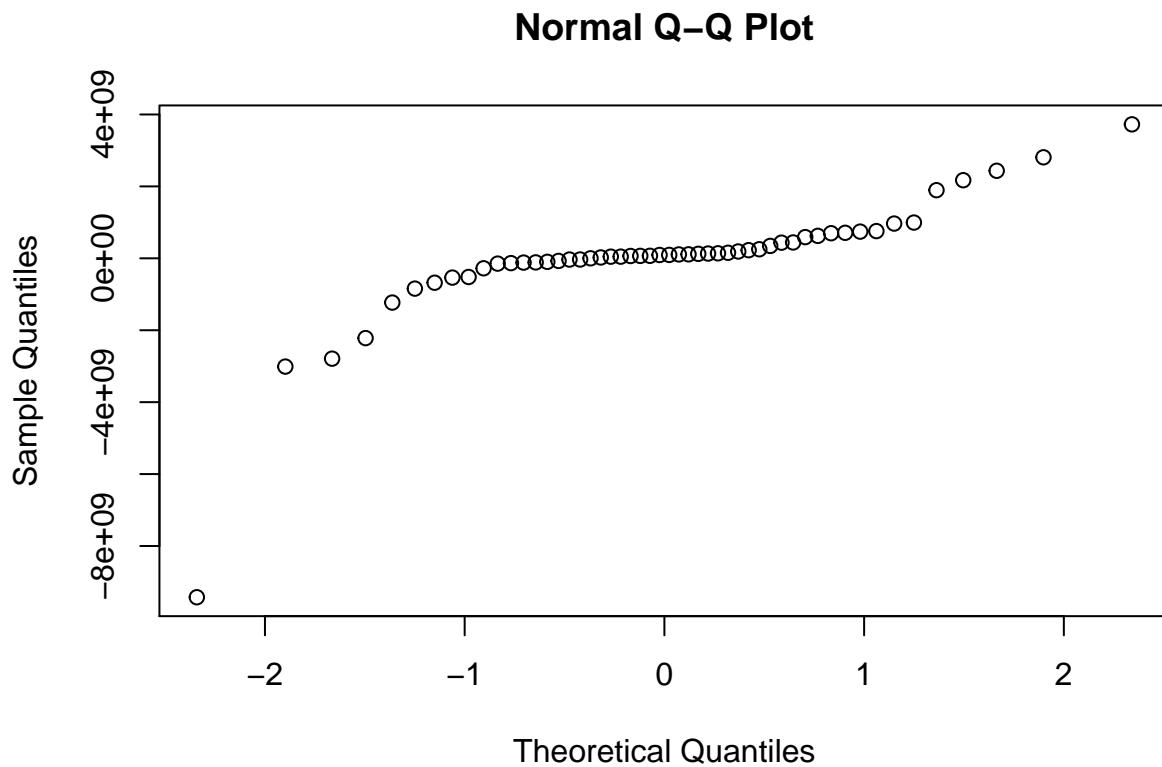


**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**

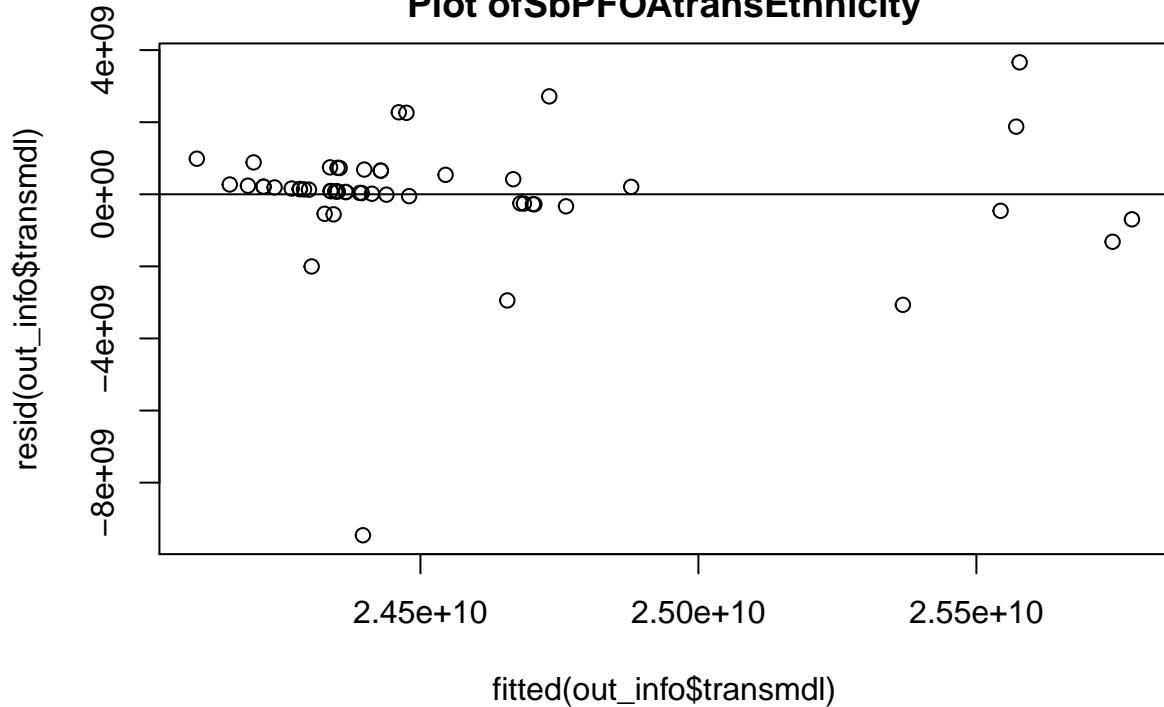


**Normal Q-Q Plot**

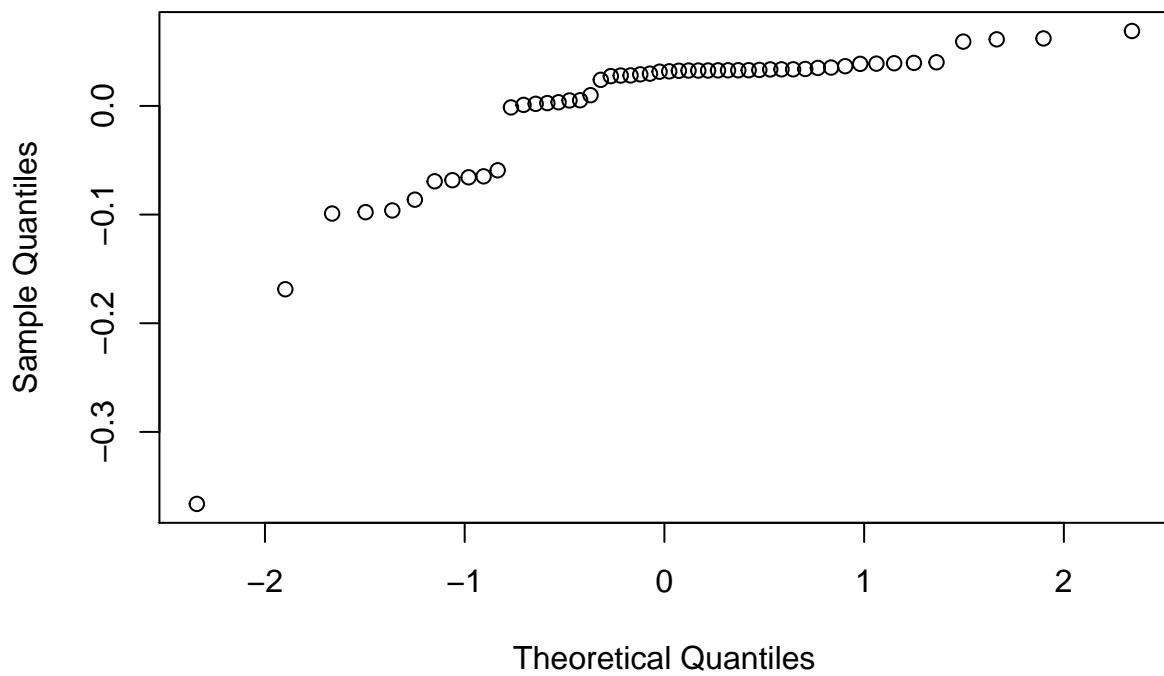


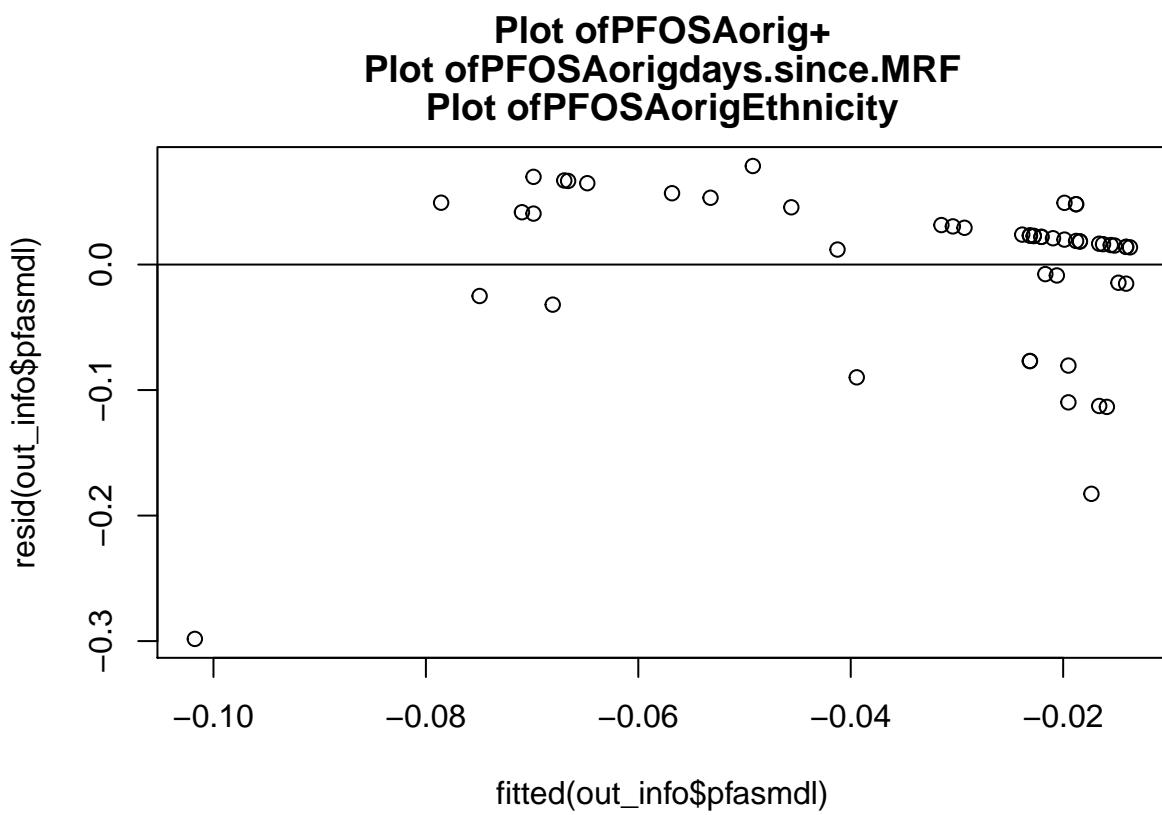
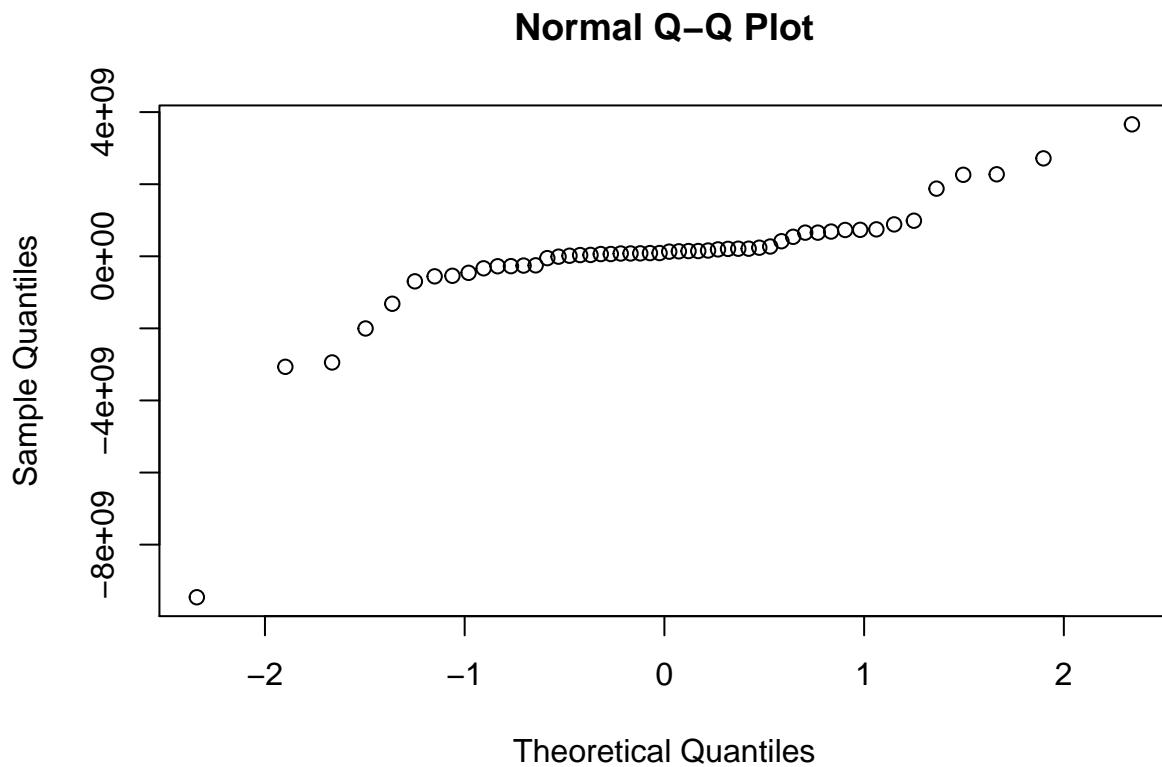


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

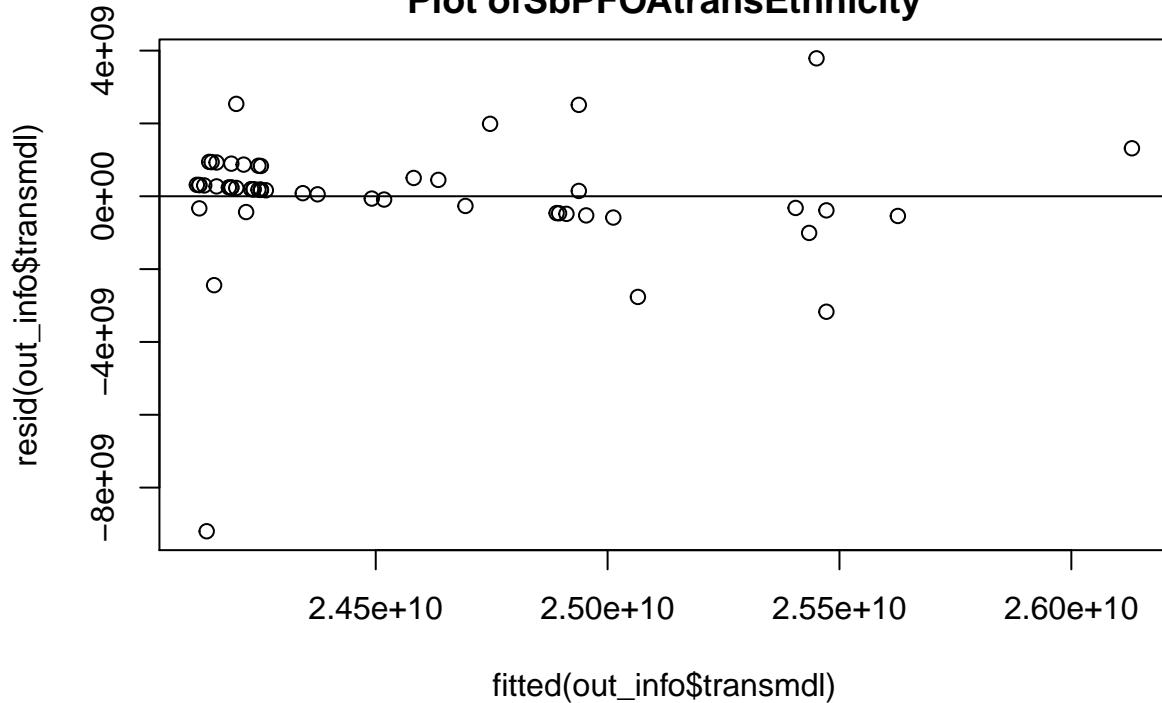


**Normal Q-Q Plot**

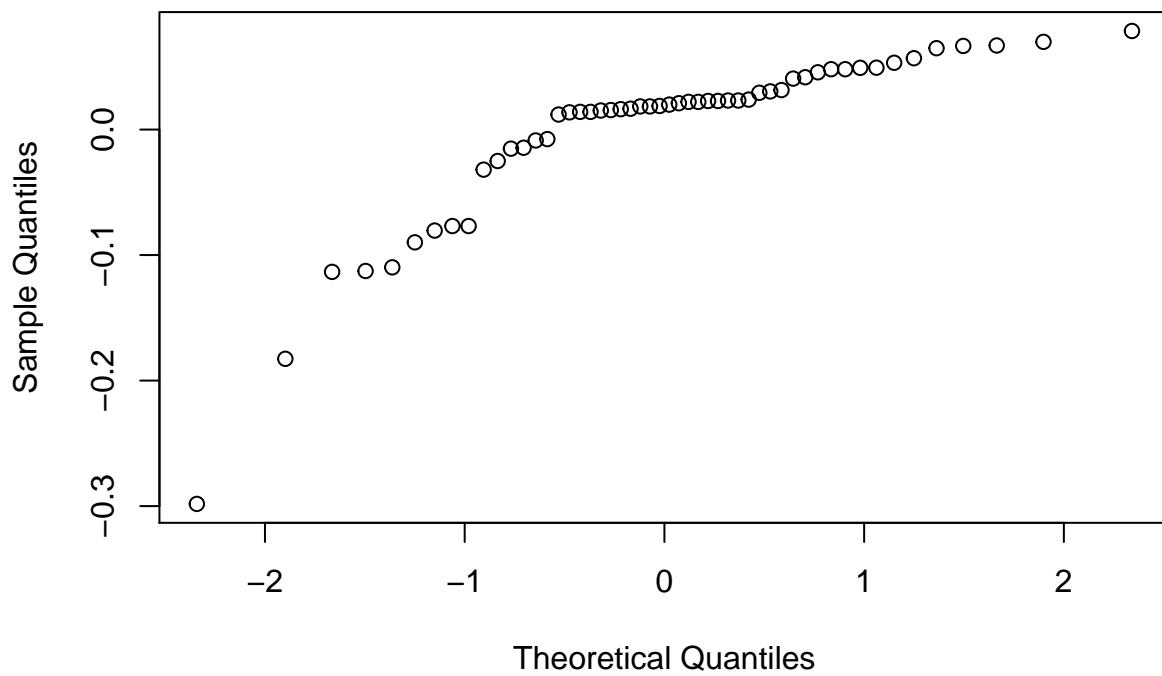


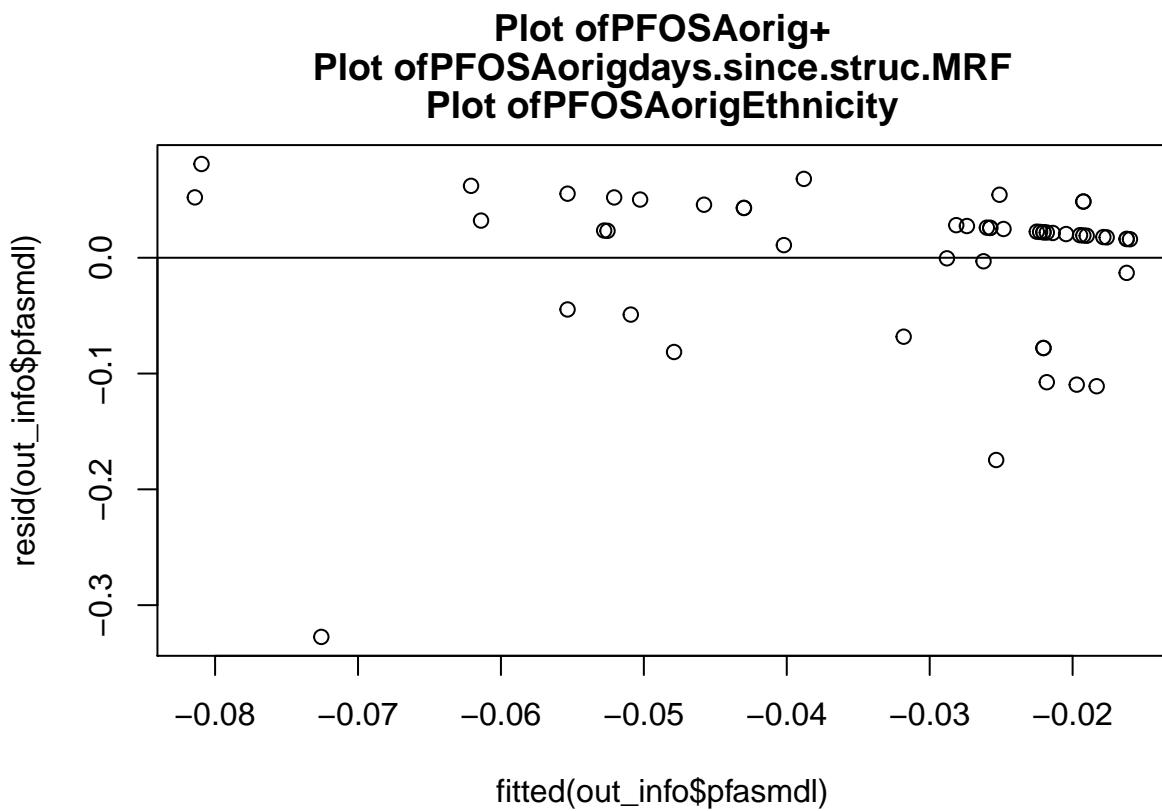
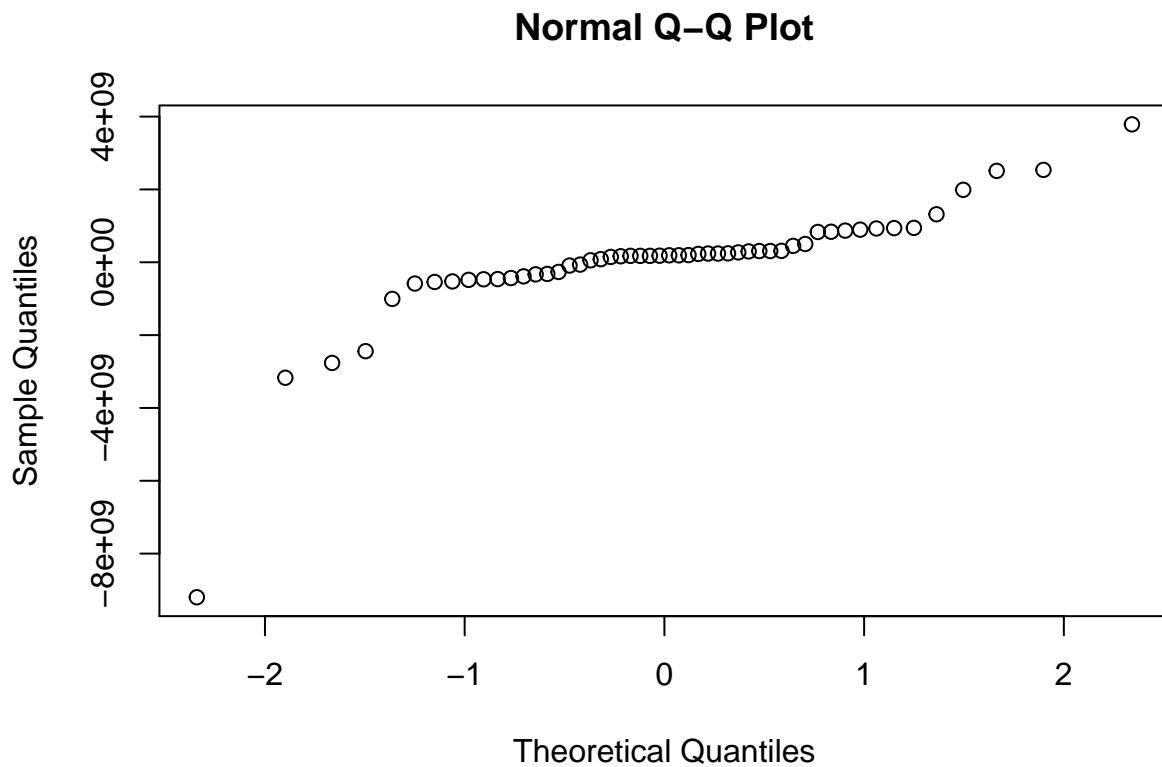


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

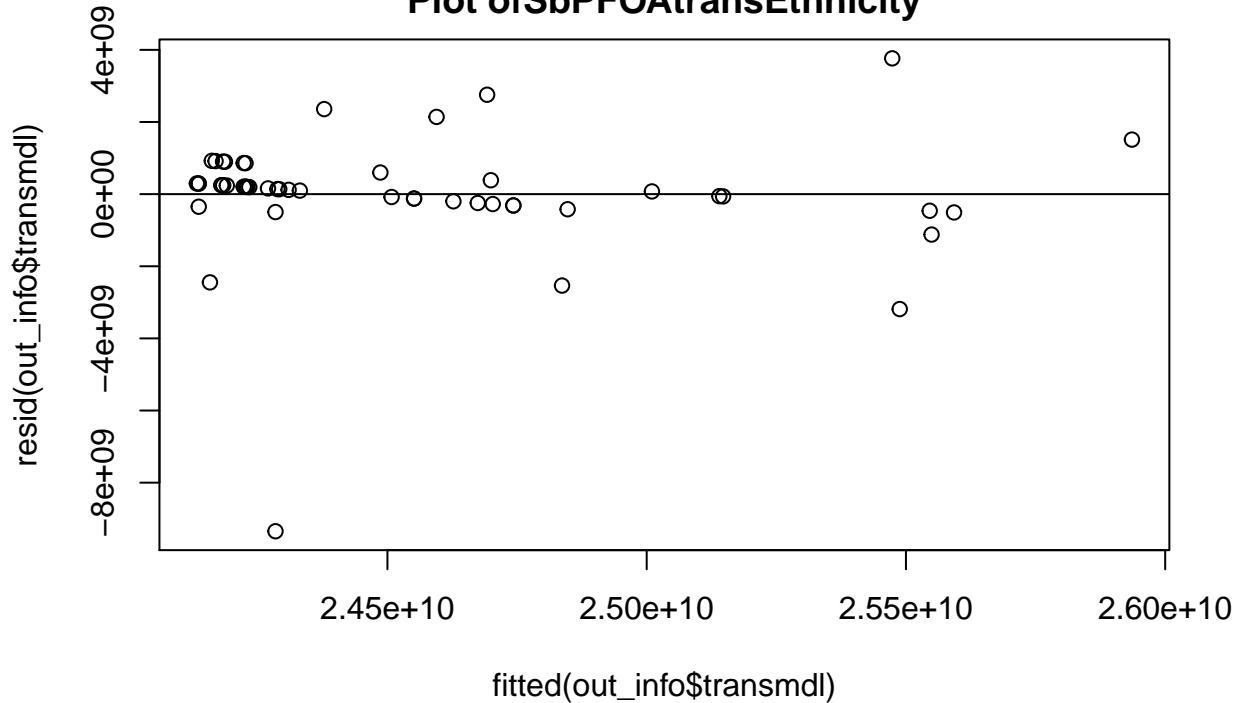


**Normal Q-Q Plot**

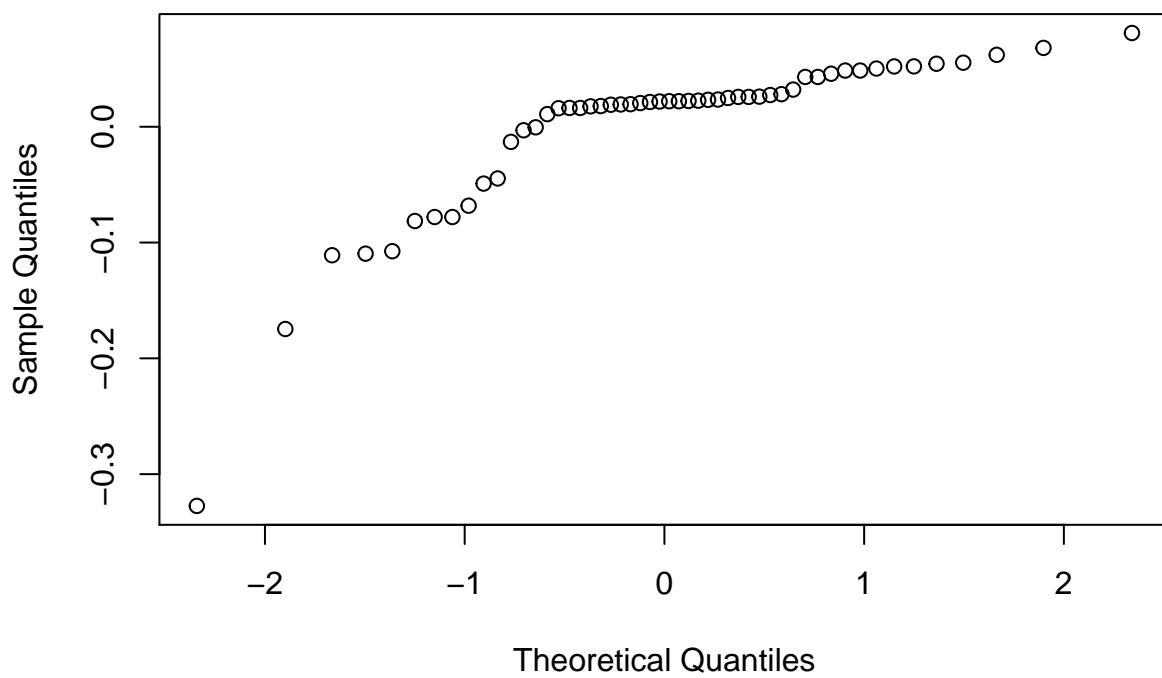


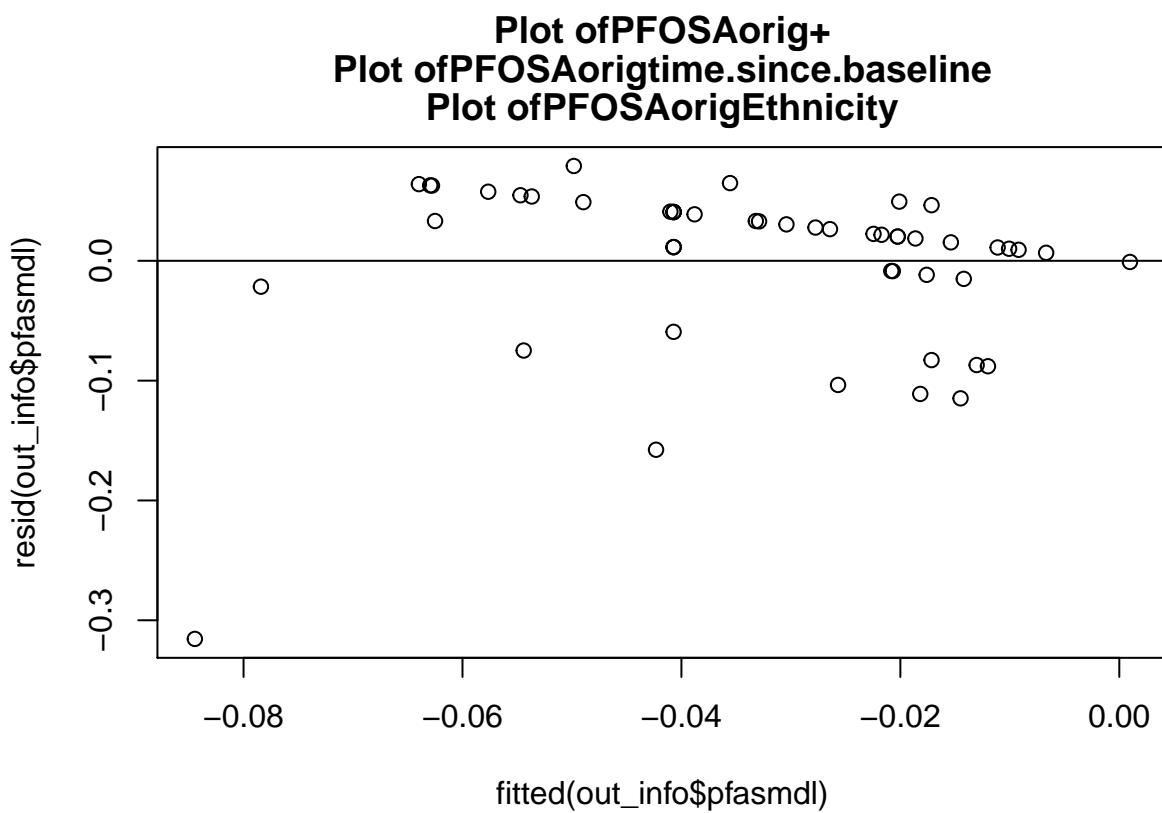
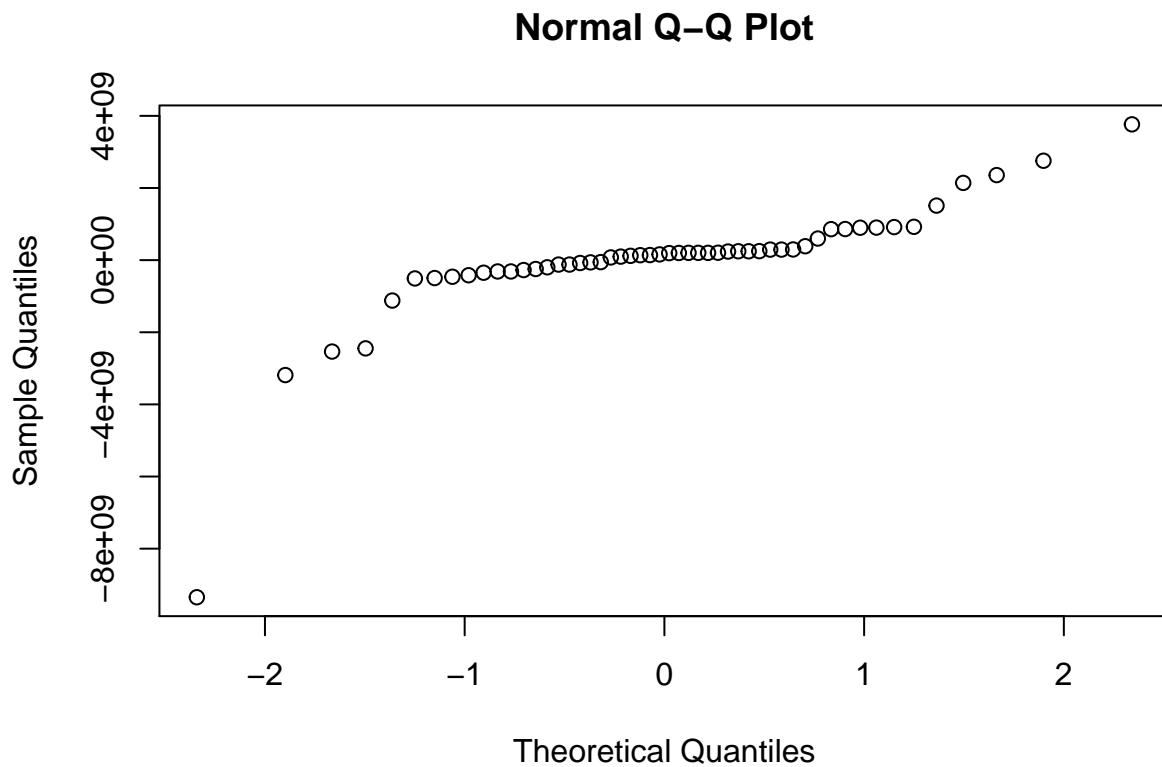


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**

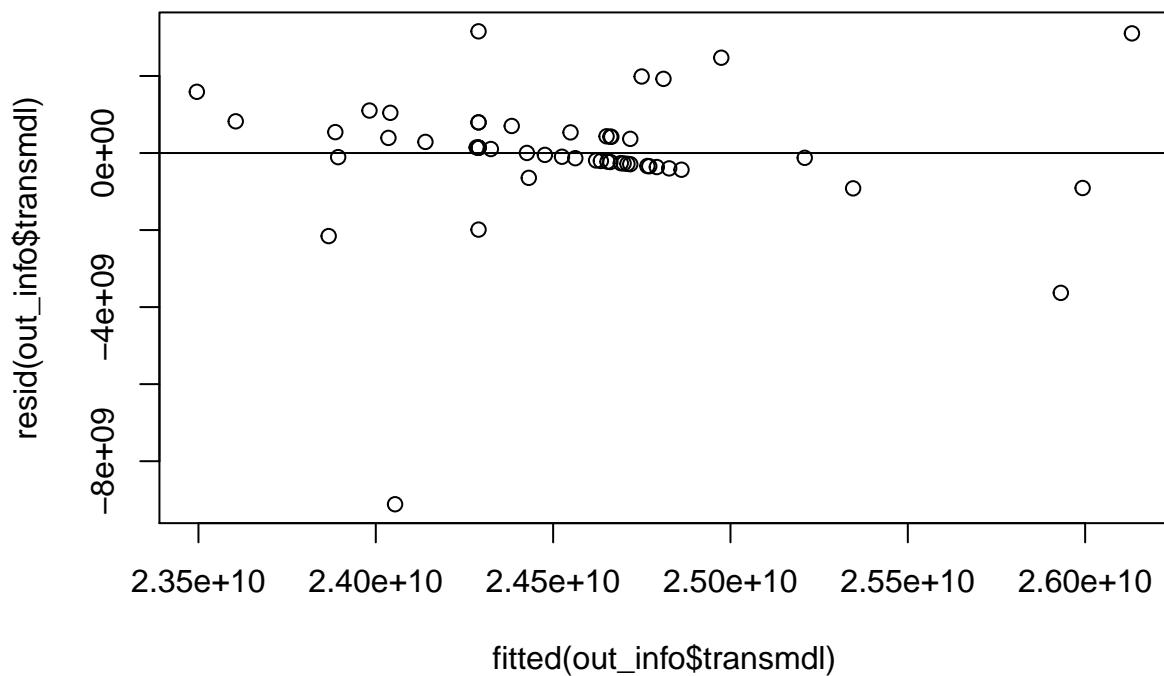


**Normal Q-Q Plot**

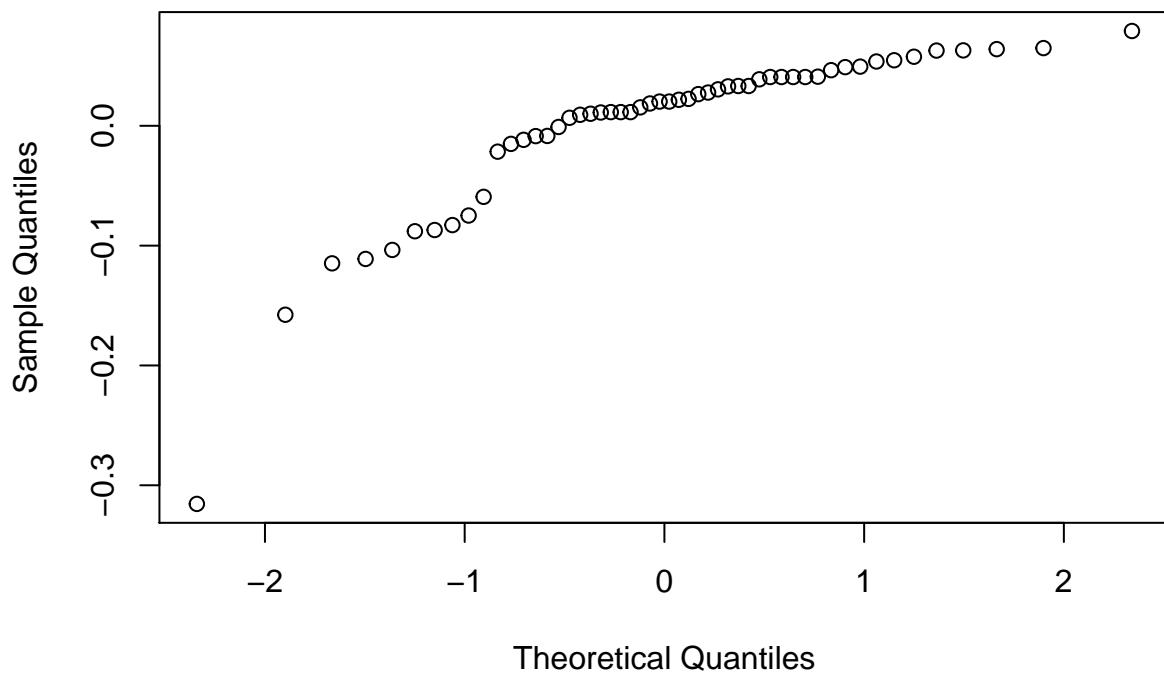




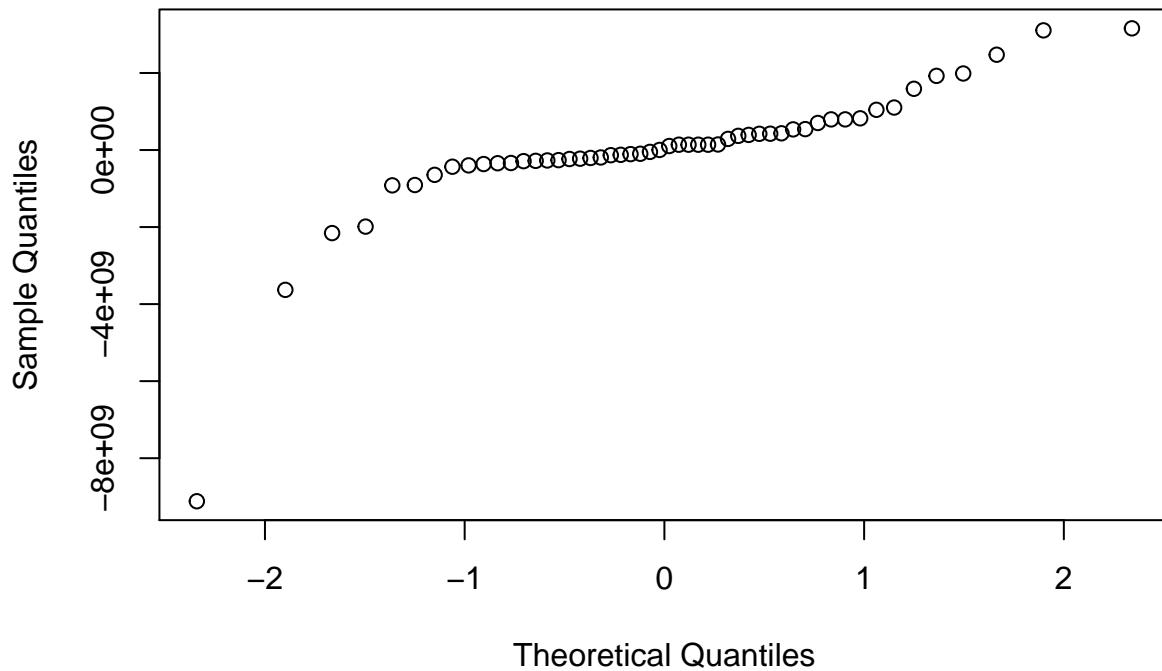
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



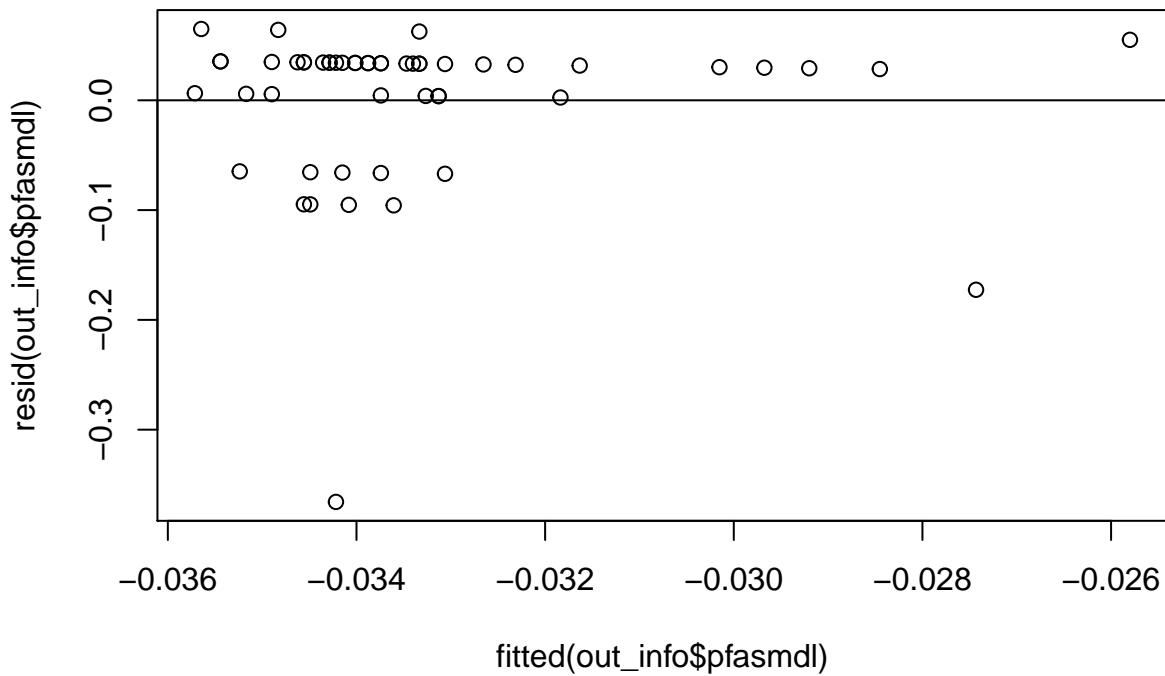
**Normal Q-Q Plot**



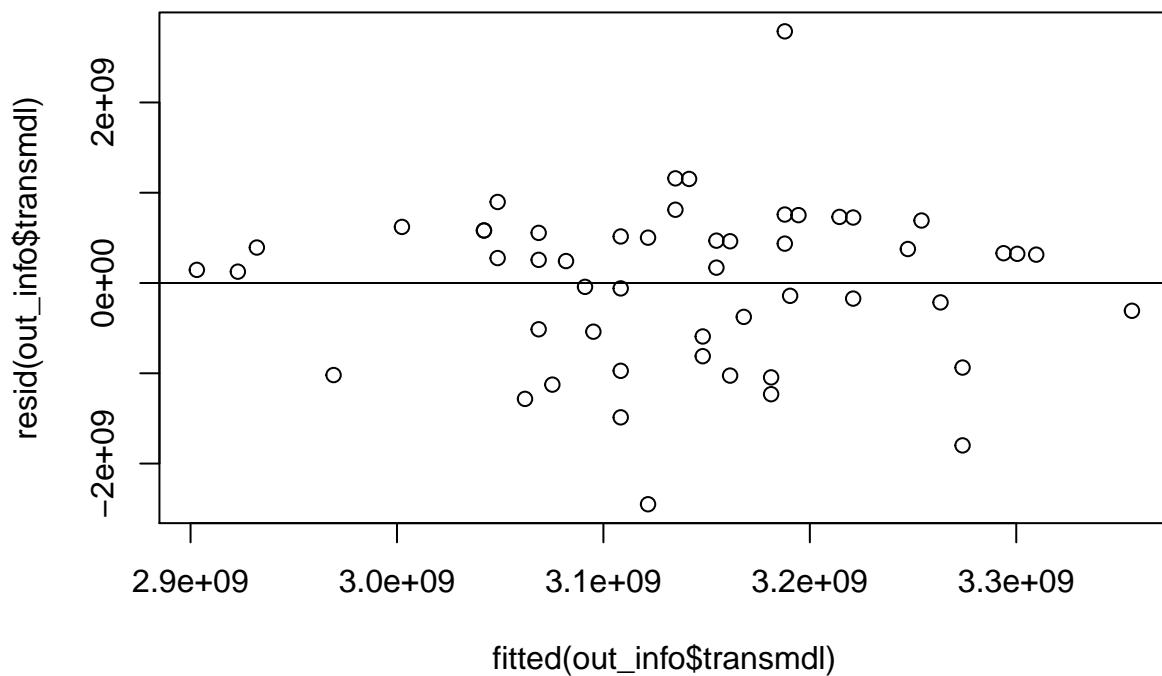
### Normal Q-Q Plot



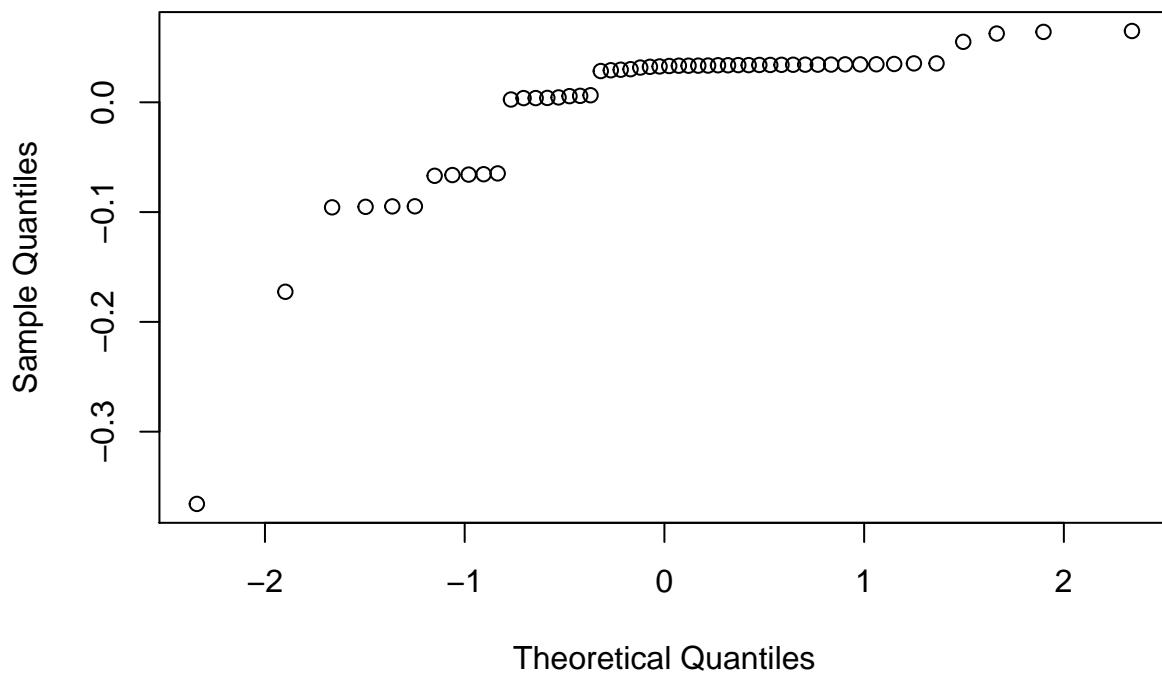
Plot of PFOSAorig+  
Plot of PFOSAorigtotal.num.fireruns  
Plot of PFOSAorigEthnicity



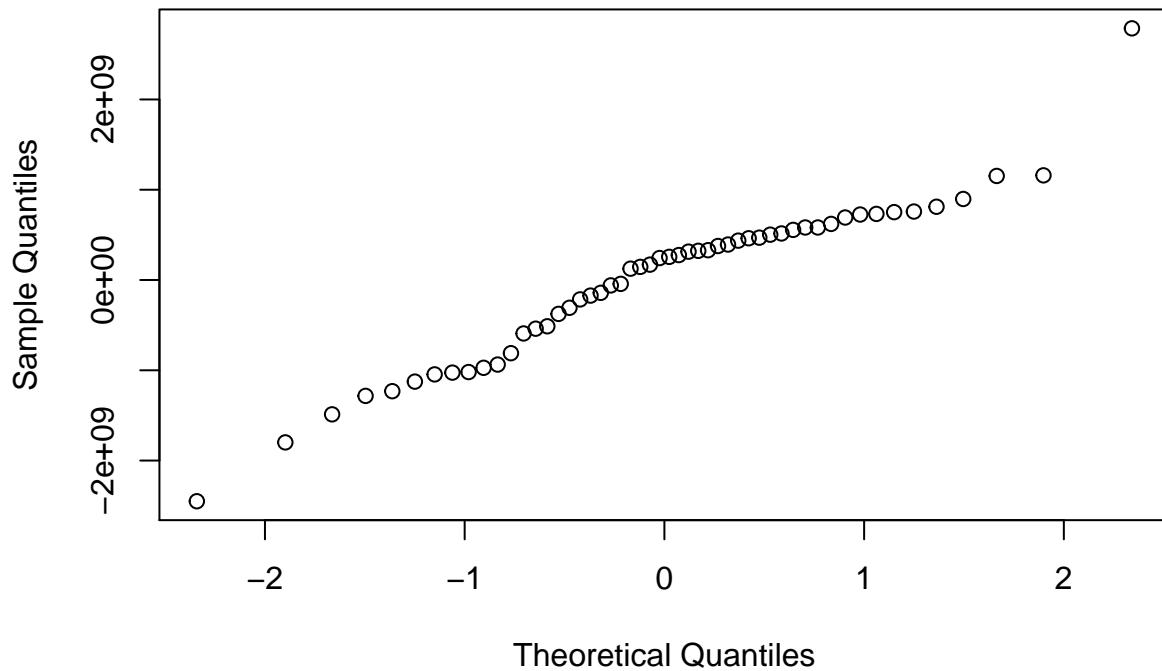
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.num.fireruns  
Plot of SmPFOStransEthnicity**



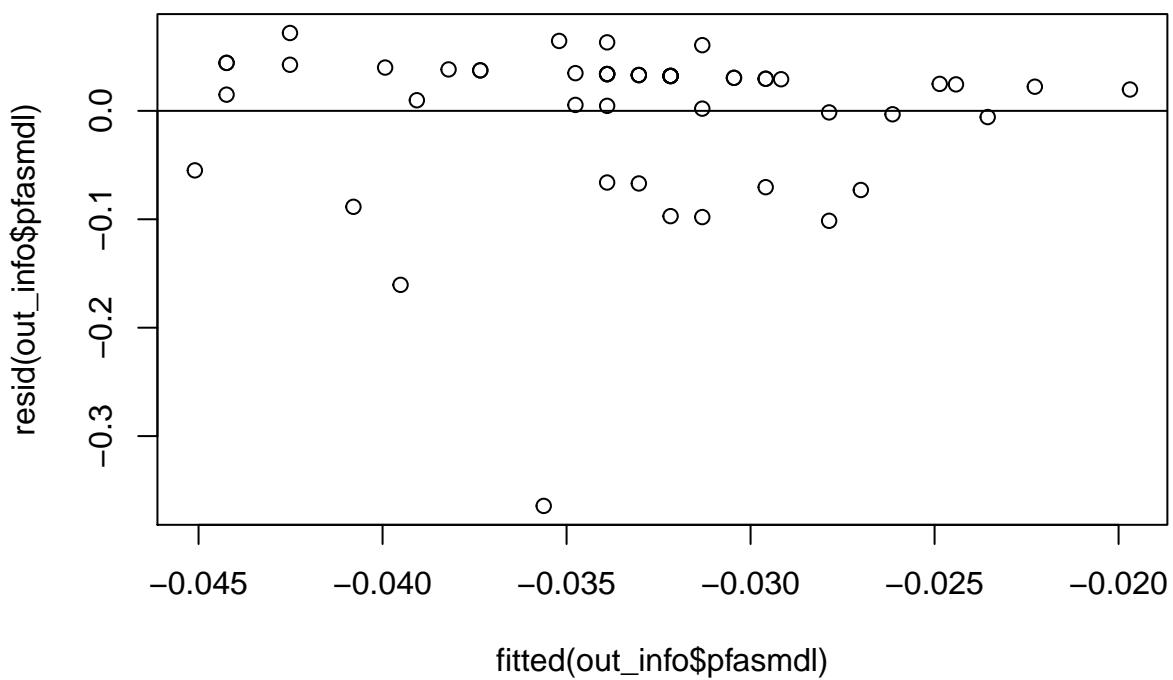
**Normal Q-Q Plot**



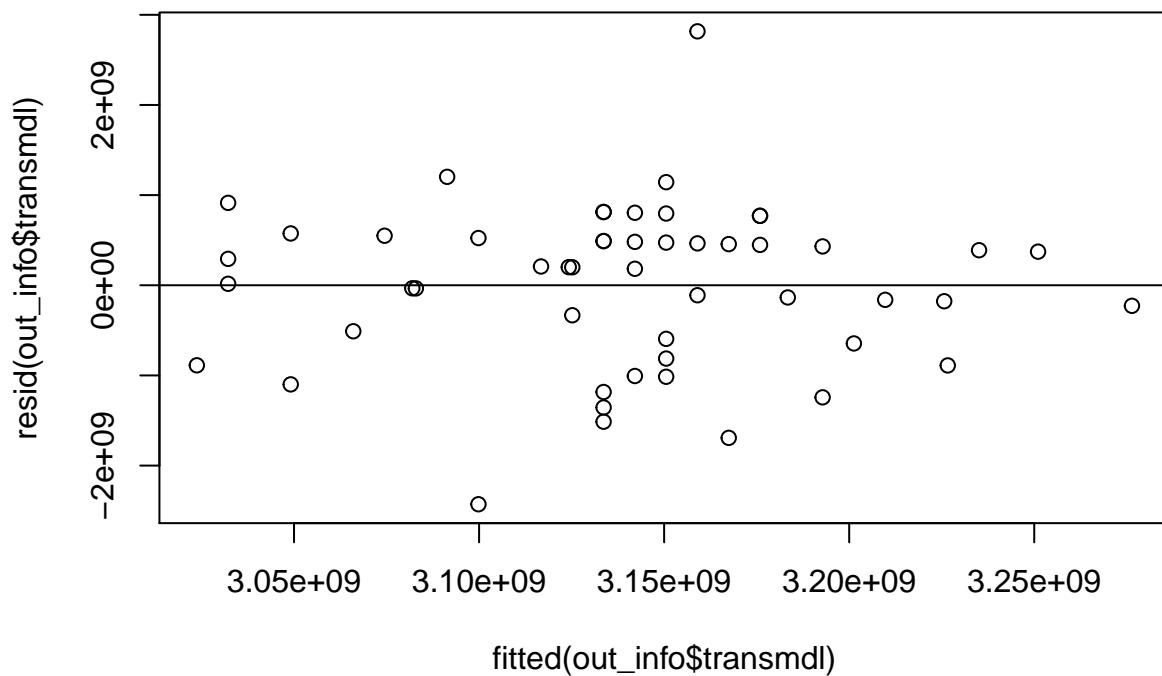
### Normal Q-Q Plot



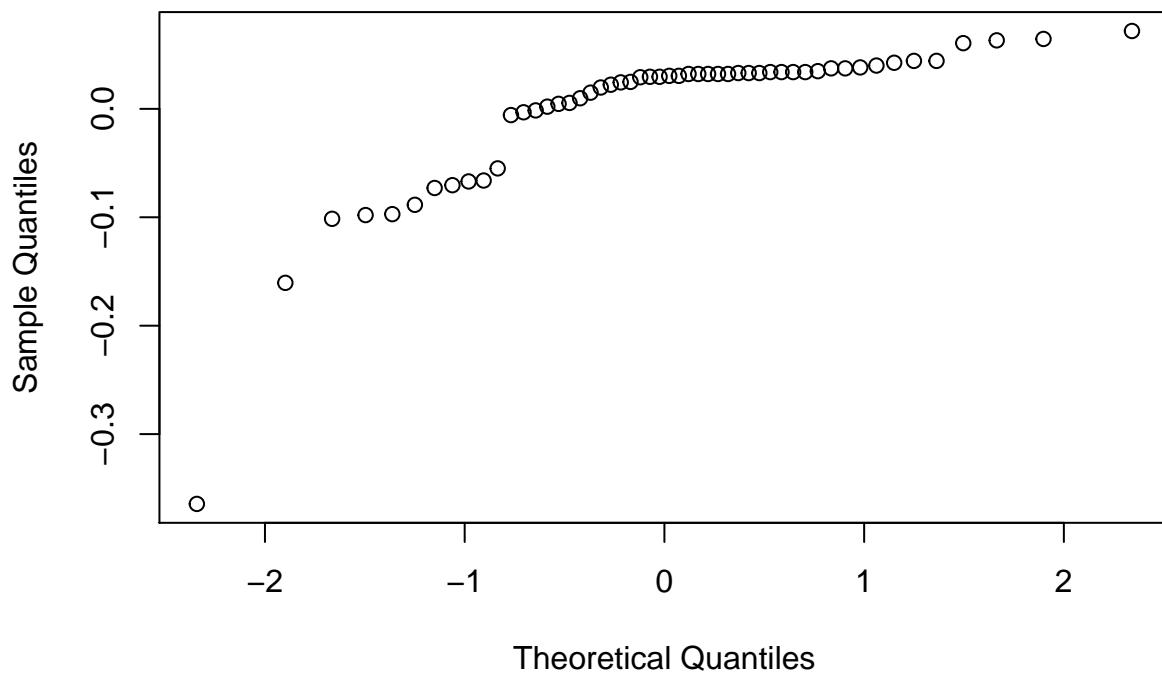
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.num.fireruns  
Plot of PFOSAorigEthnicity**



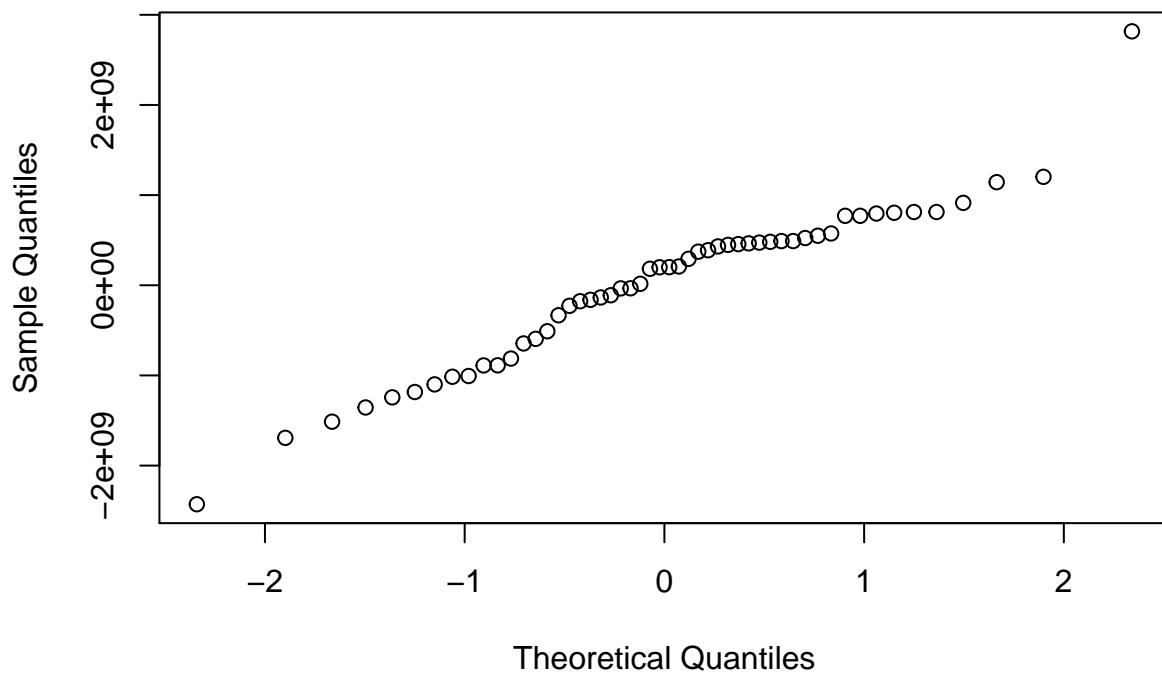
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



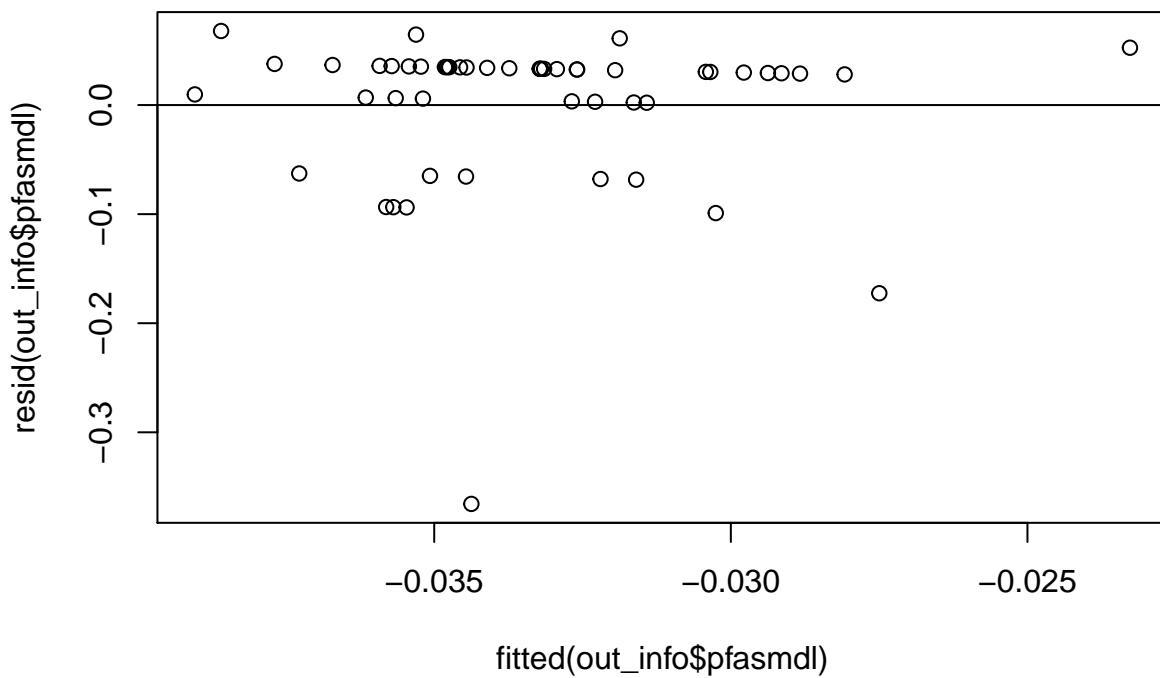
**Normal Q-Q Plot**



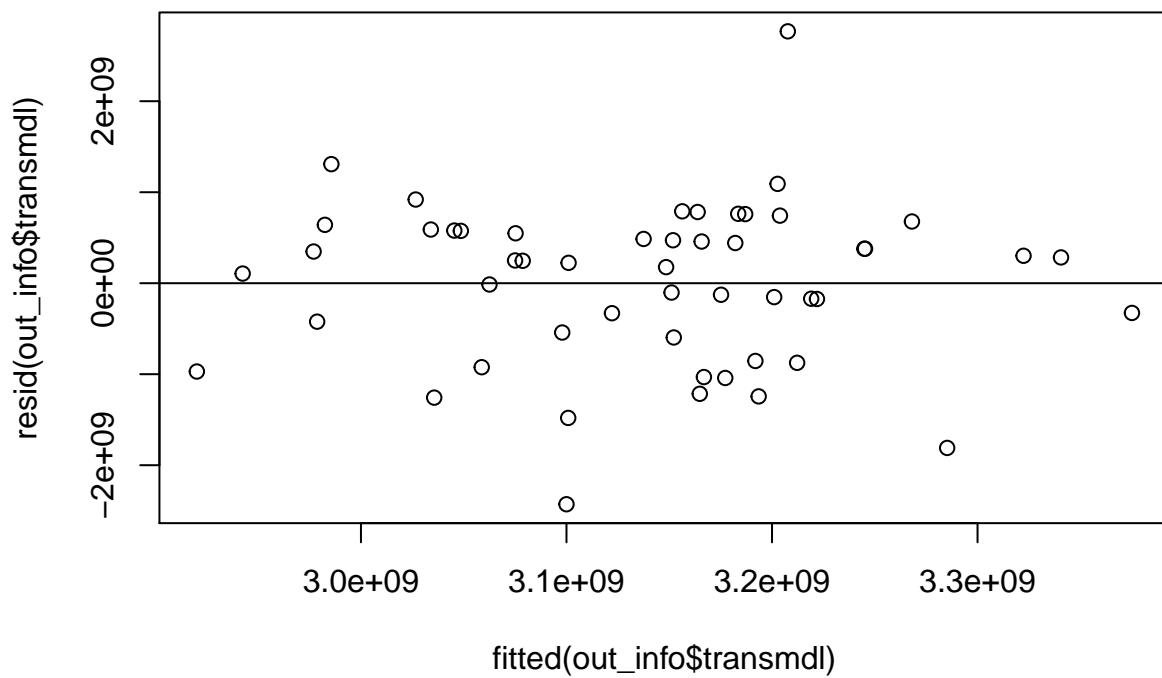
### Normal Q-Q Plot



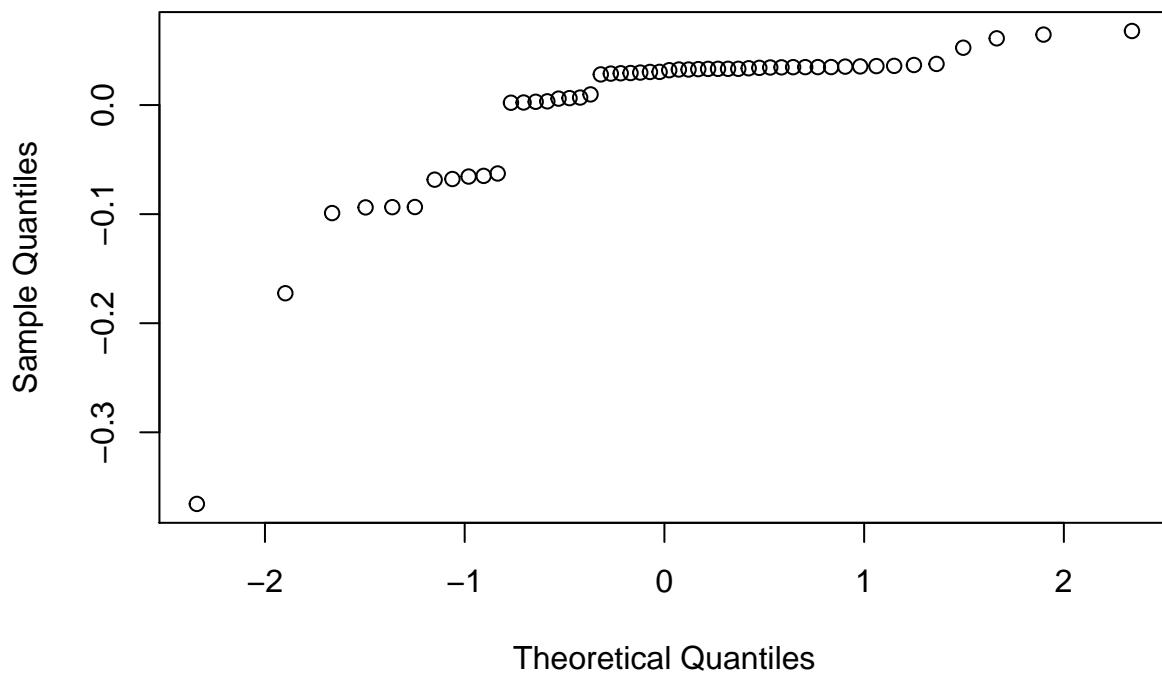
### Plot of PFOSAorig+ Plot of PFOSAorigtotal.duration.hrs Plot of PFOSAorigEthnicity



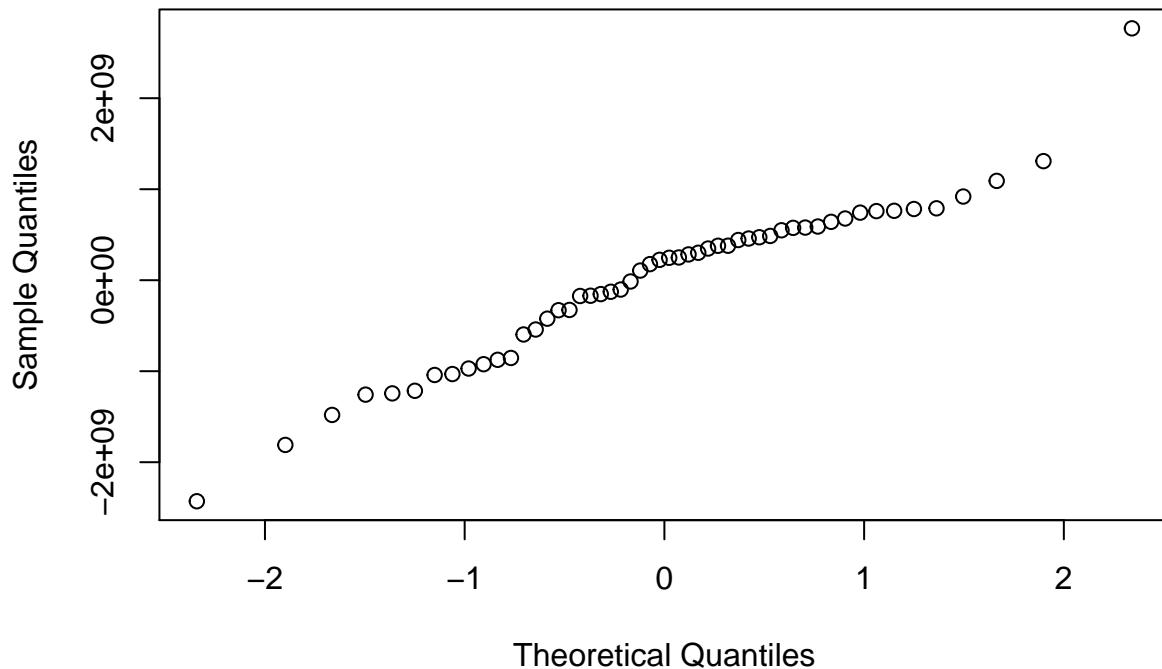
**Plot of SmPFOStrans+  
Plot of SmPFOStrantotal.duration.hrs  
Plot of SmPFOStransEthnicity**



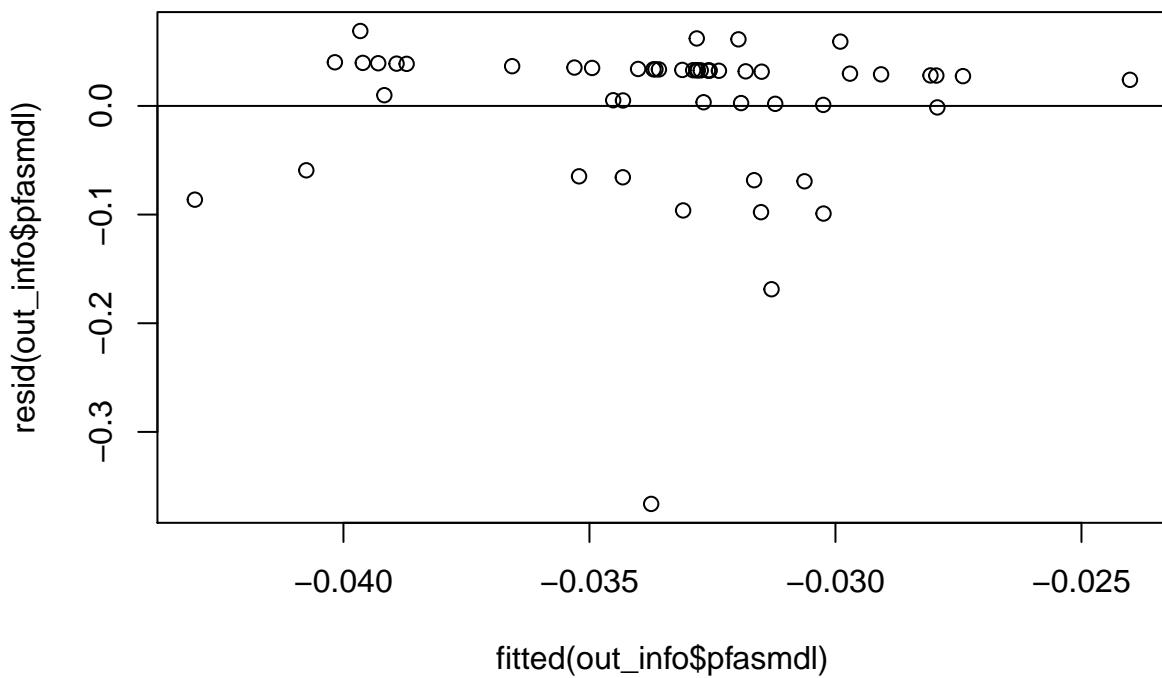
**Normal Q-Q Plot**



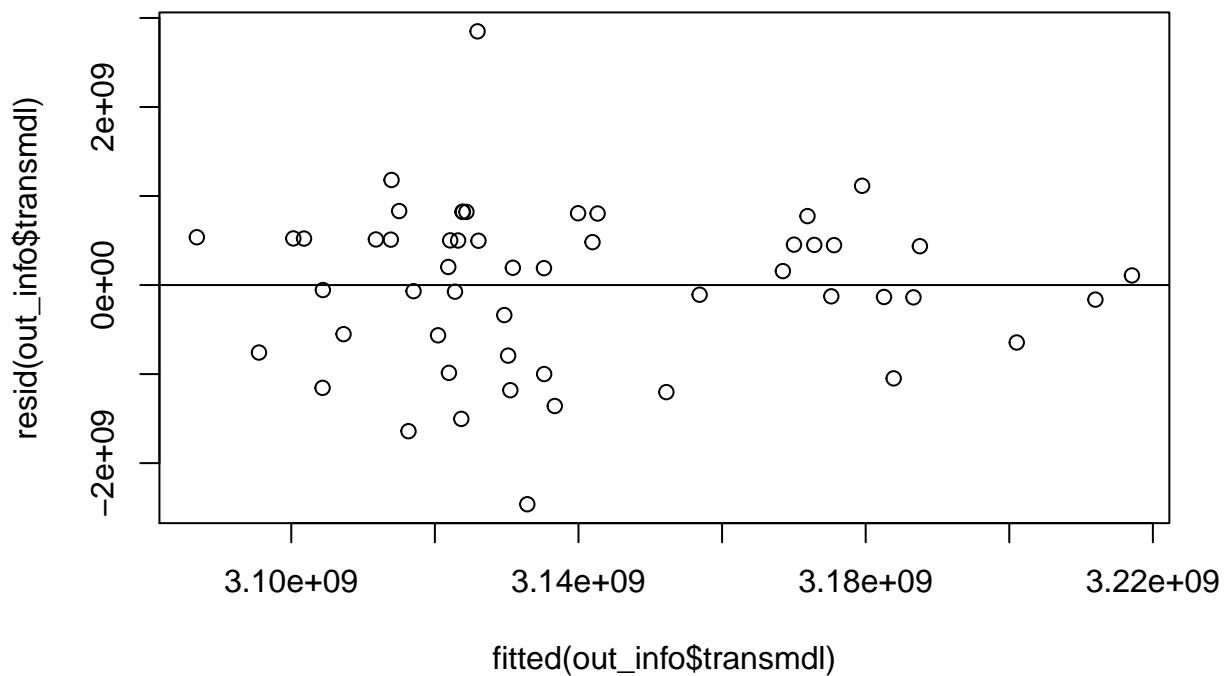
### Normal Q-Q Plot



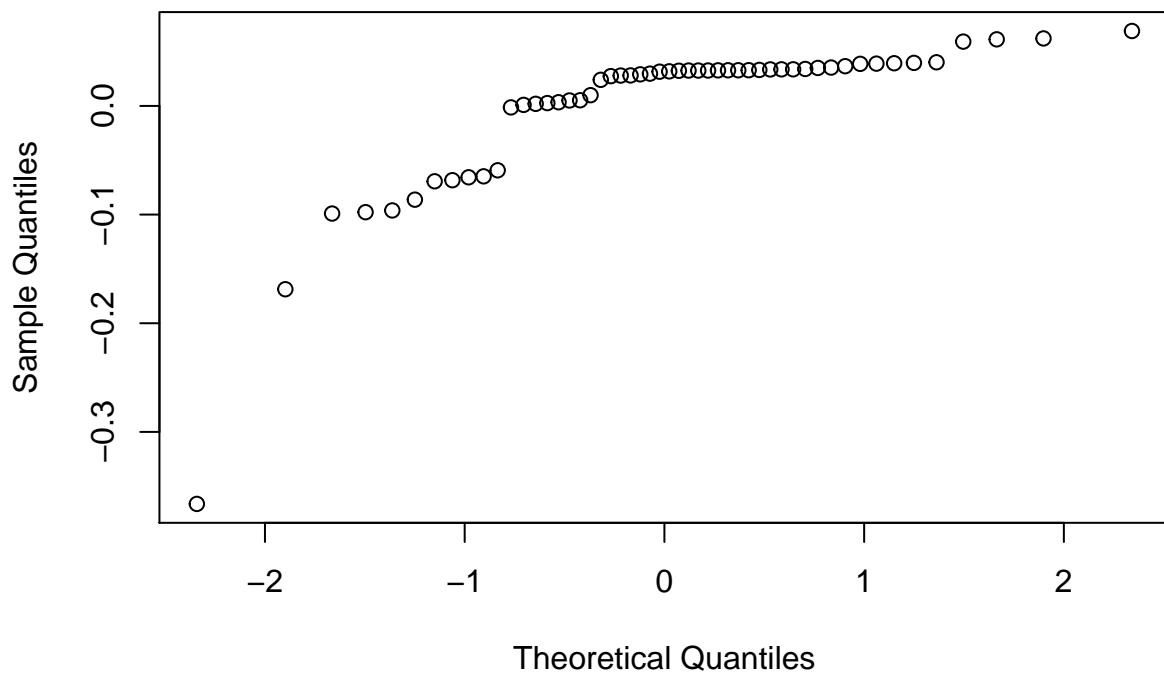
**Plot of PFOSAorig+  
Plot of PFOSAorigstr.duration.hrs  
Plot of PFOSAorigEthnicity**



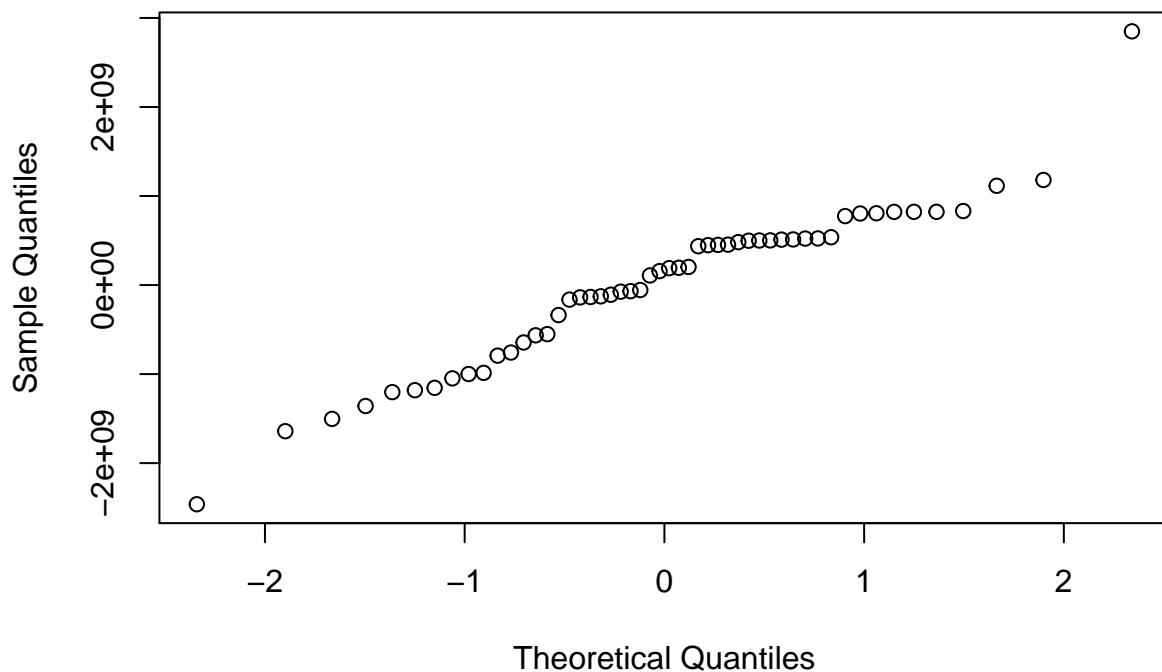
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



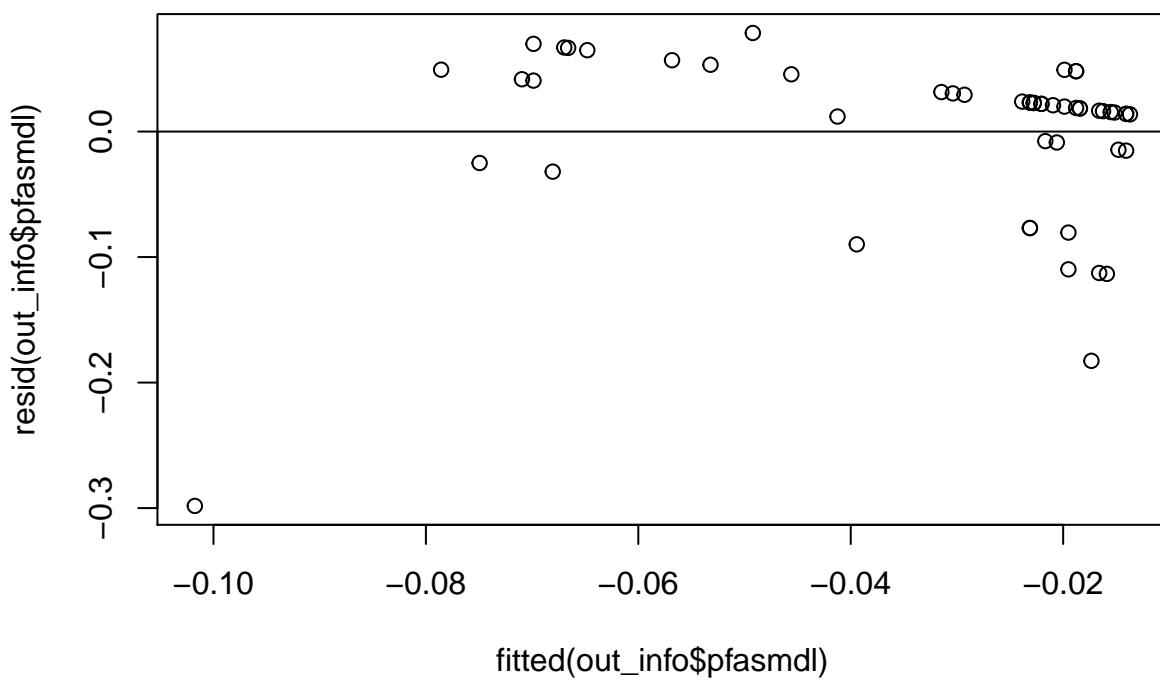
**Normal Q-Q Plot**



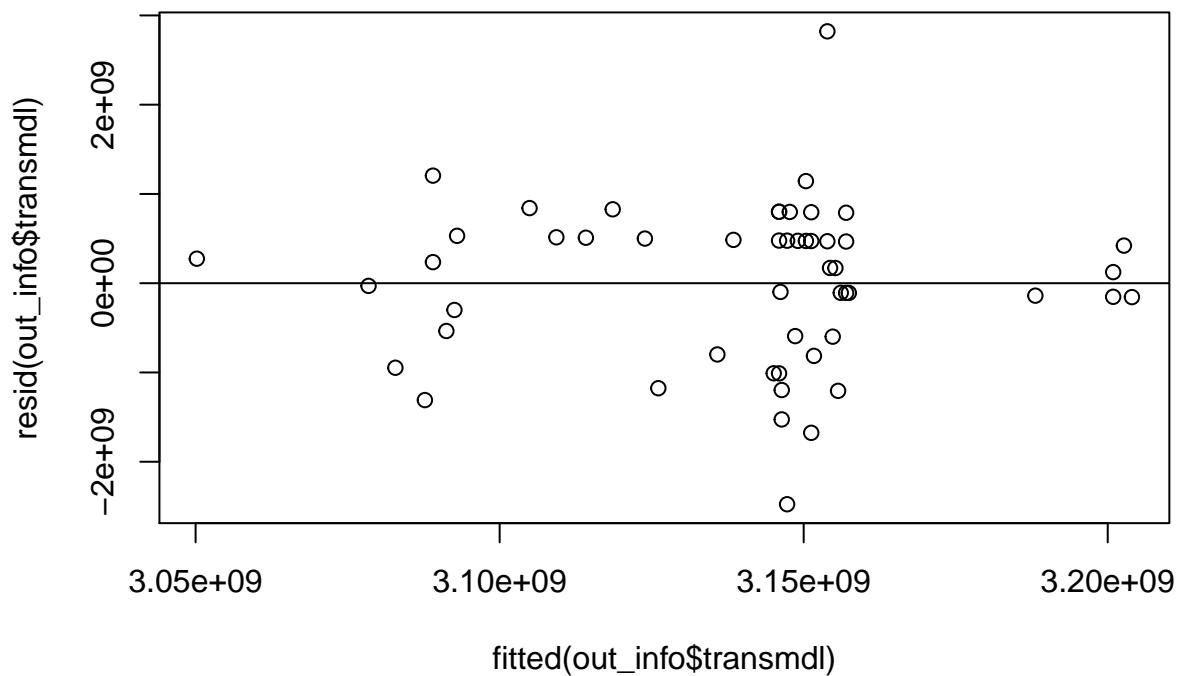
### Normal Q-Q Plot



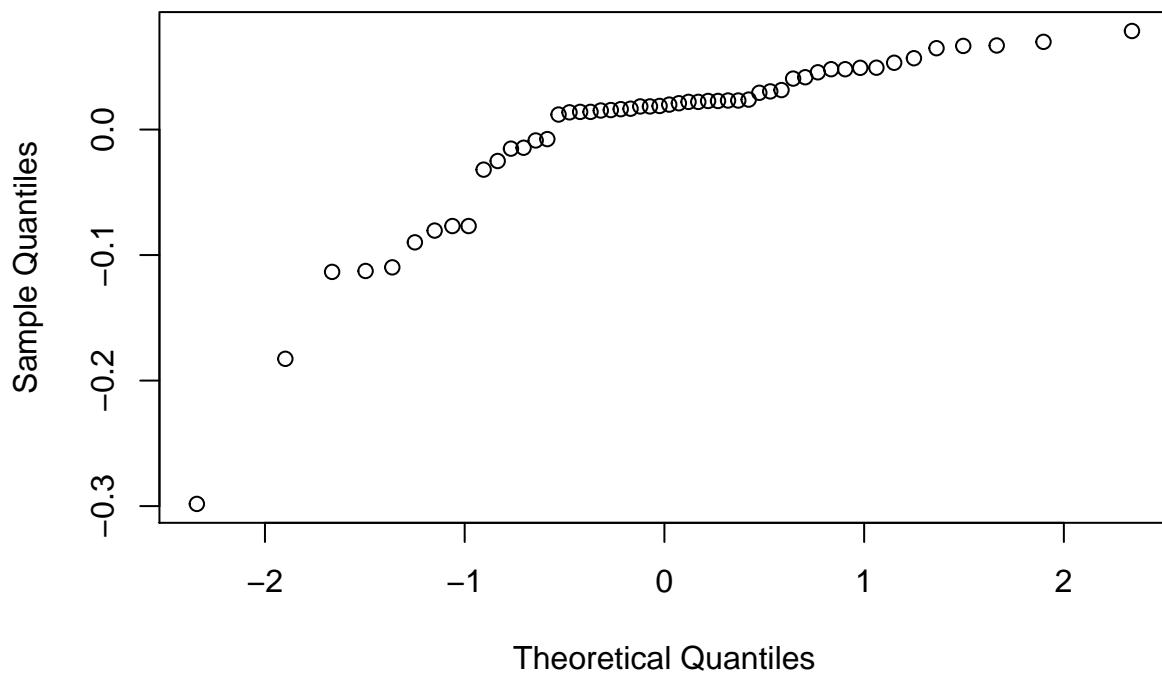
**Plot of PFOSAorig+**  
**Plot of PFOSAorigdays.since.MRF**  
**Plot of PFOSAorigEthnicity**



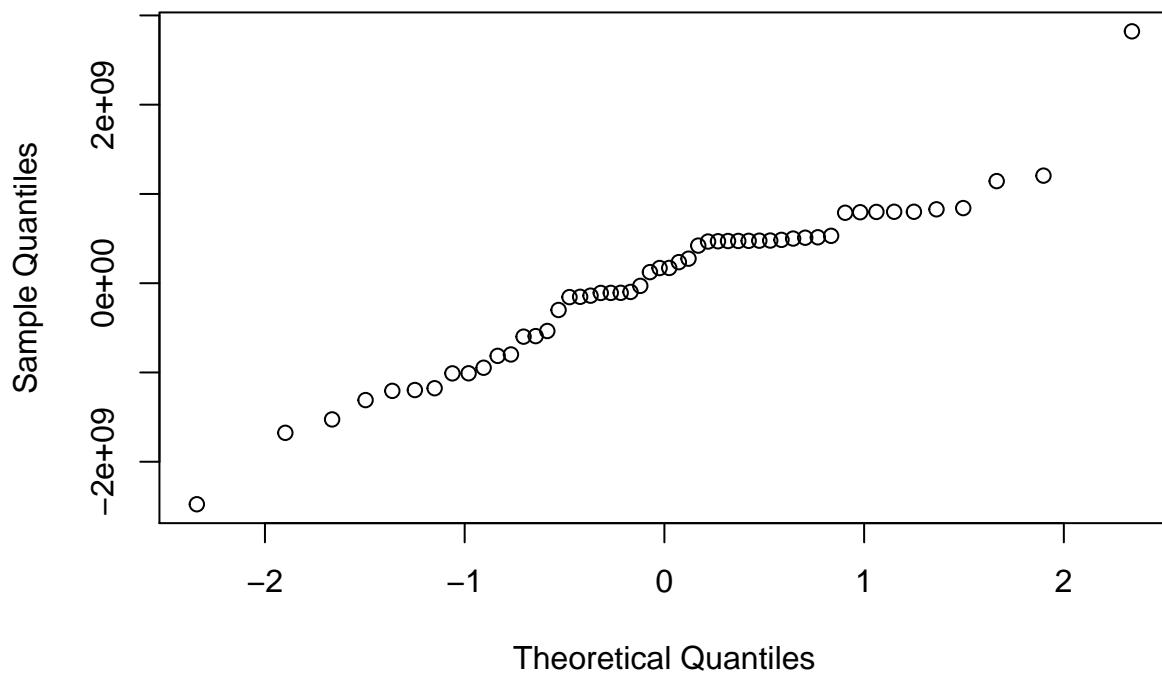
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**



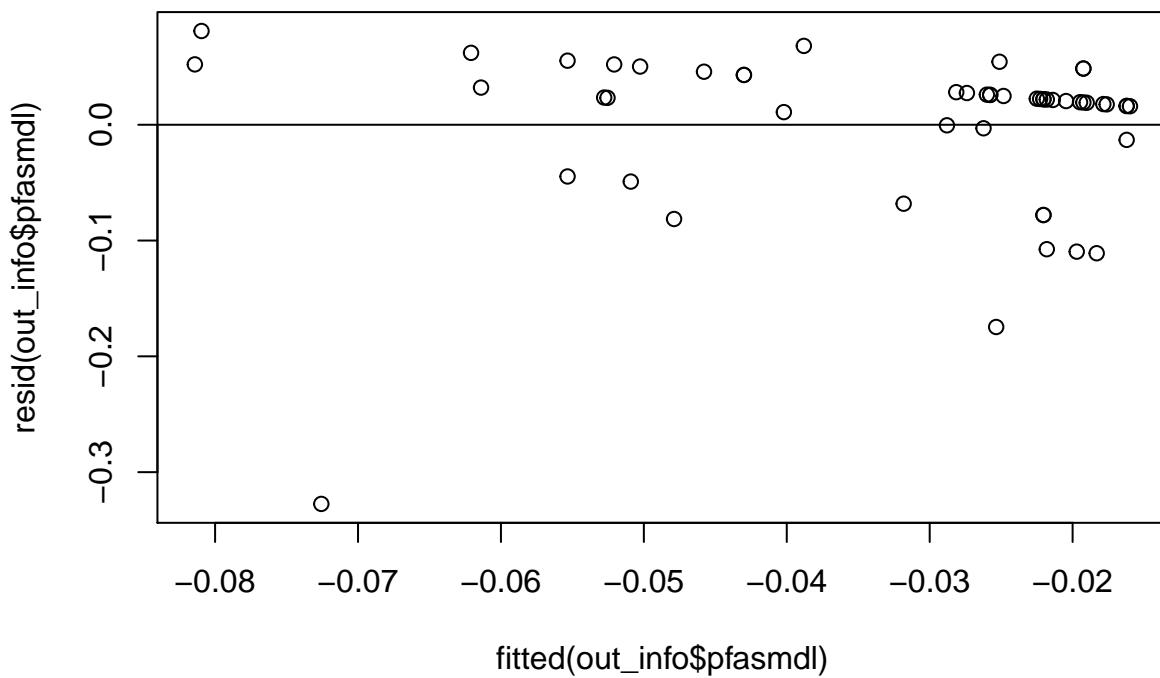
**Normal Q-Q Plot**



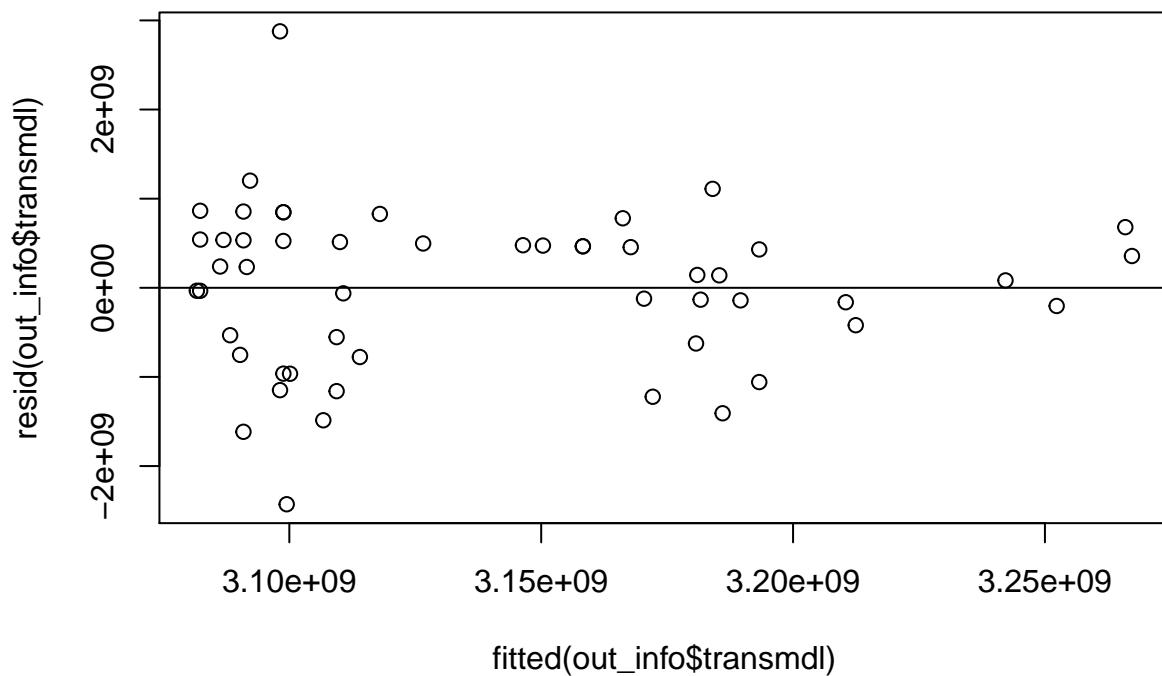
### Normal Q-Q Plot



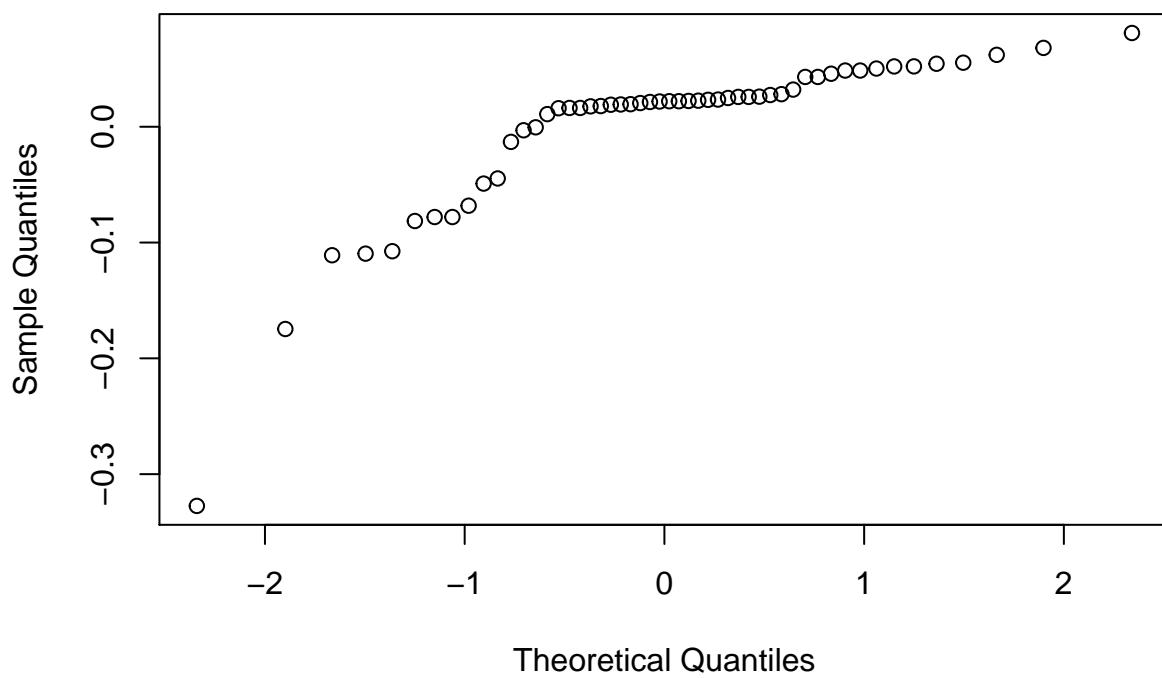
**Plot of PFOSAorig+**  
**Plot of PFOSAorigdays.since.struc.MRF**  
**Plot of PFOSAorigEthnicity**



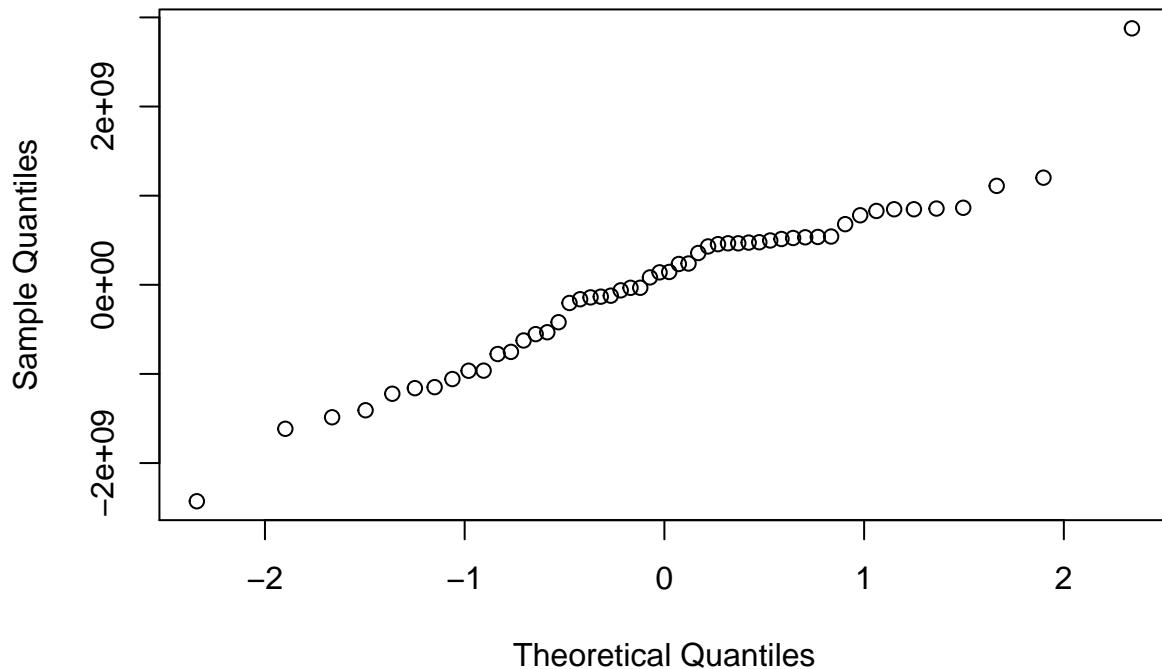
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



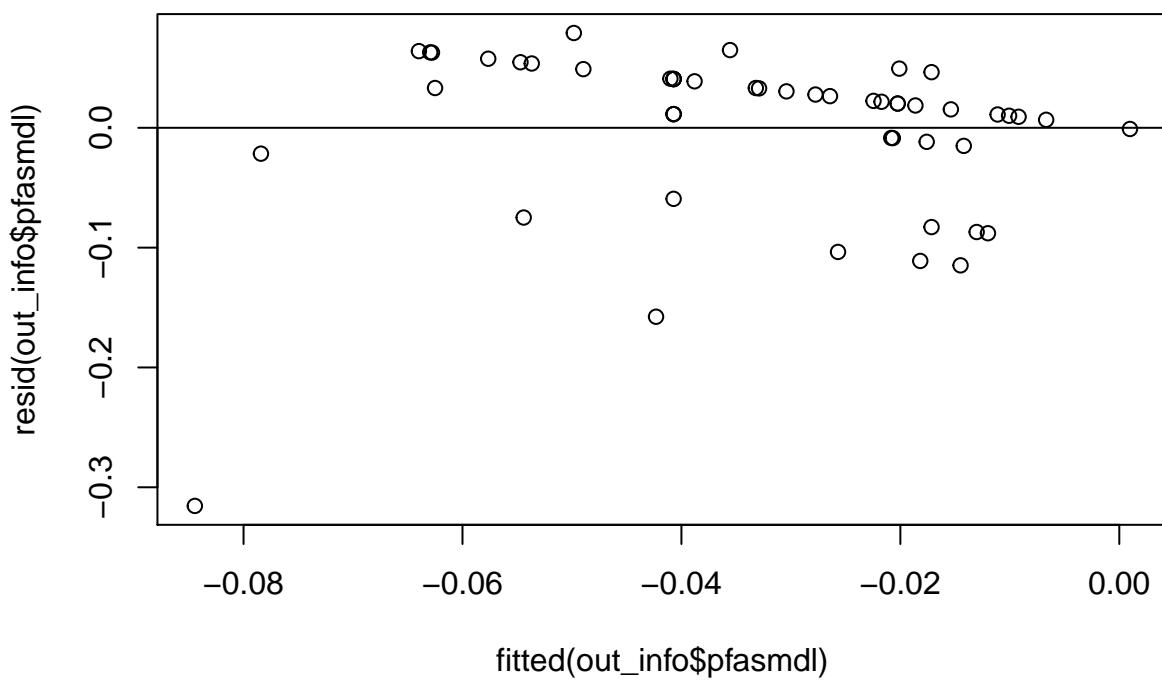
**Normal Q-Q Plot**



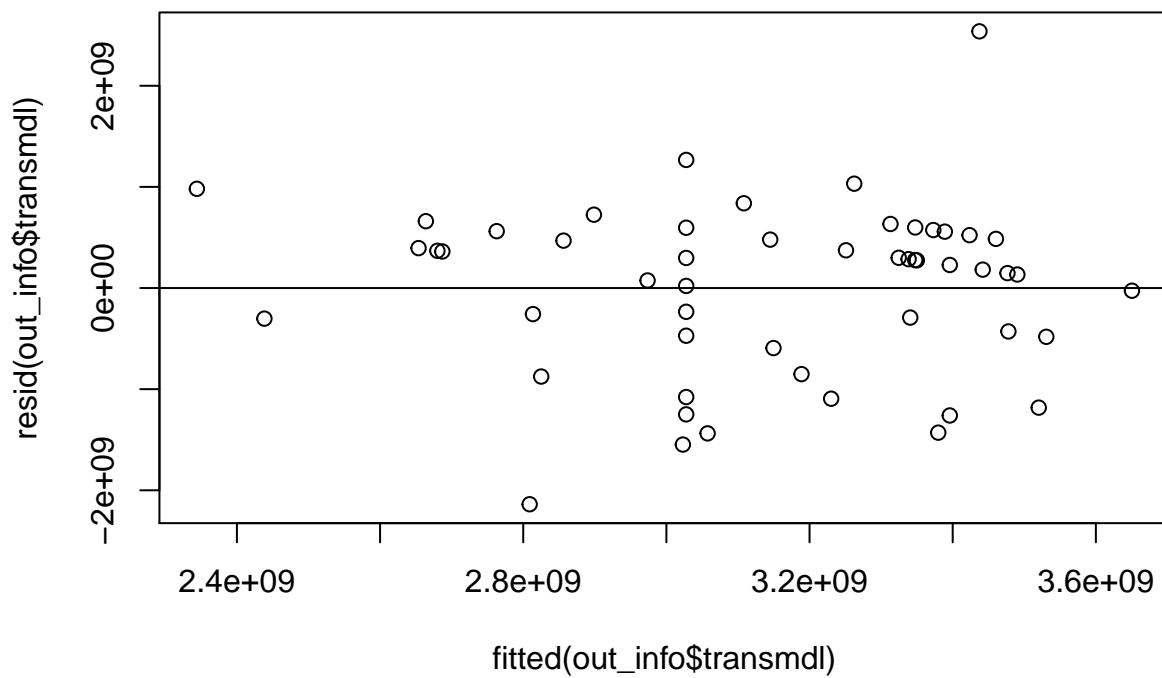
### Normal Q-Q Plot



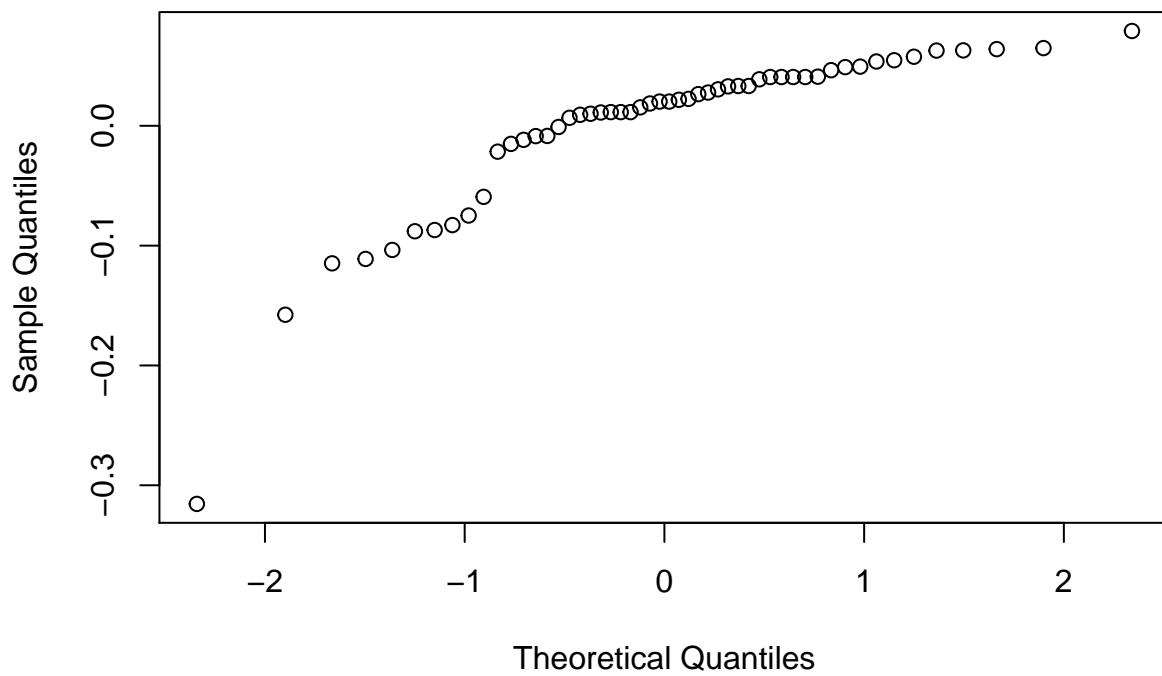
**Plot of PFOSAorig+**  
**Plot of PFOSAorigtime.since.baseline**  
**Plot of PFOSAorigEthnicity**



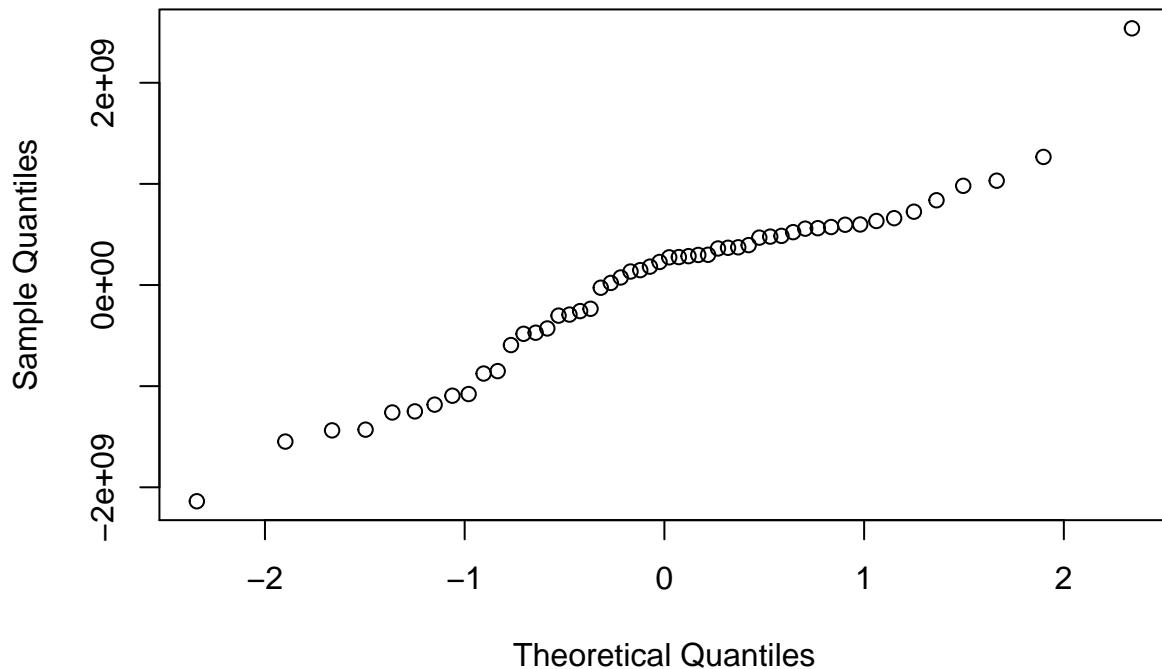
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



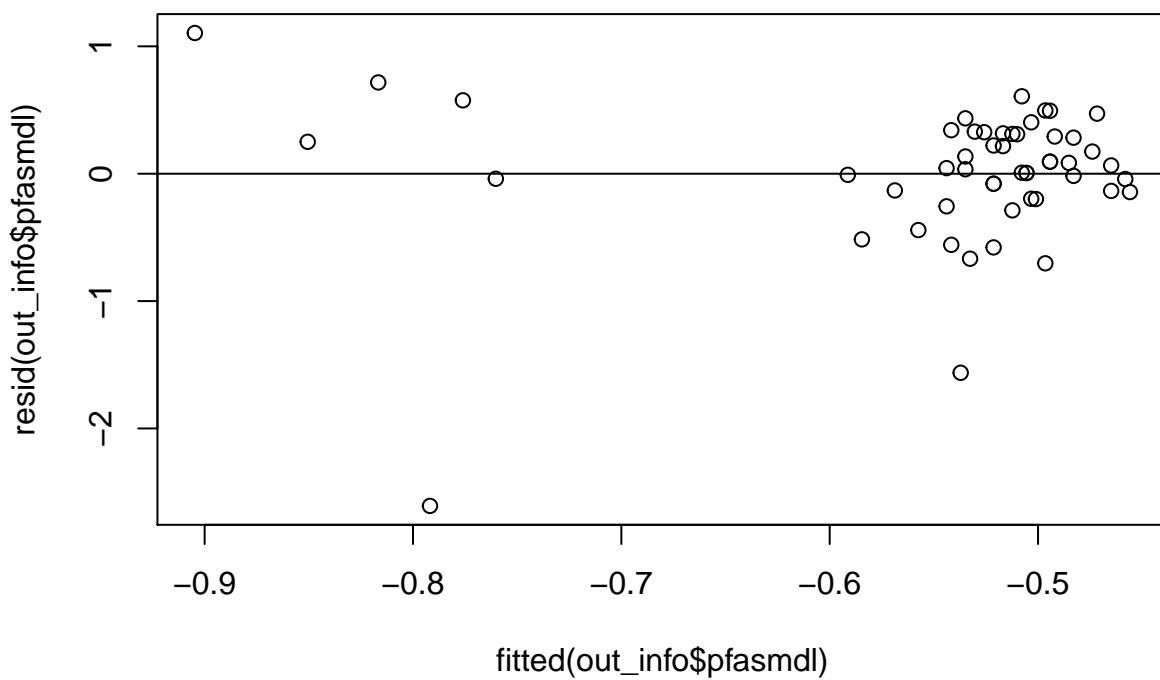
**Normal Q-Q Plot**



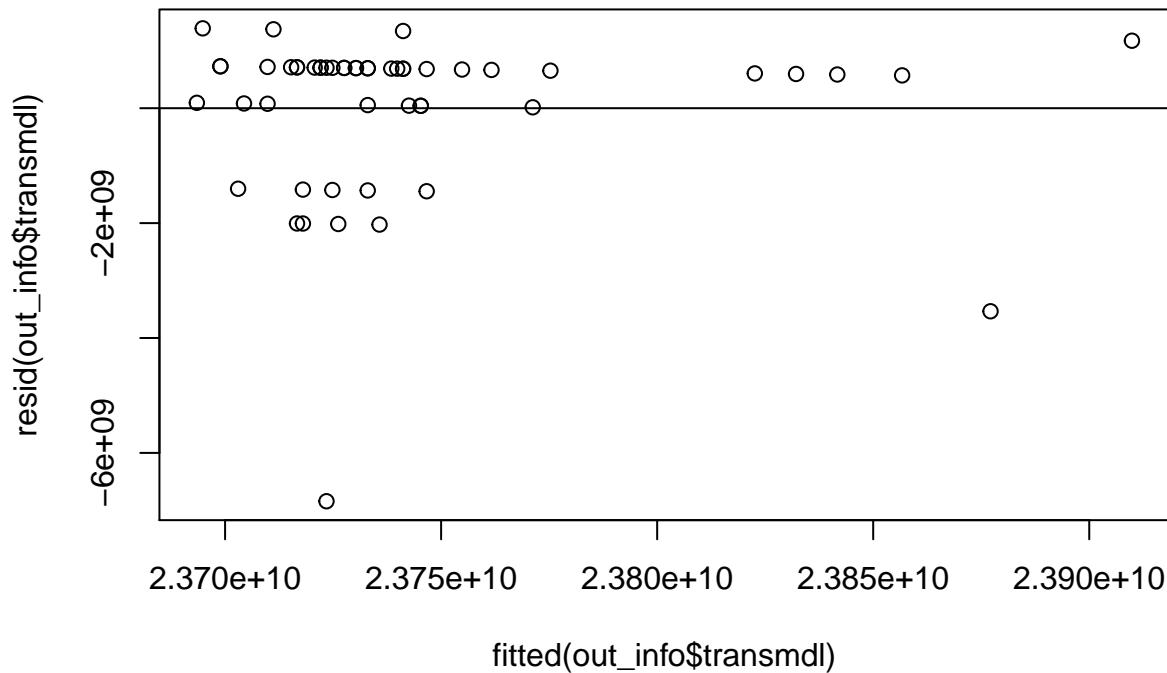
### Normal Q-Q Plot



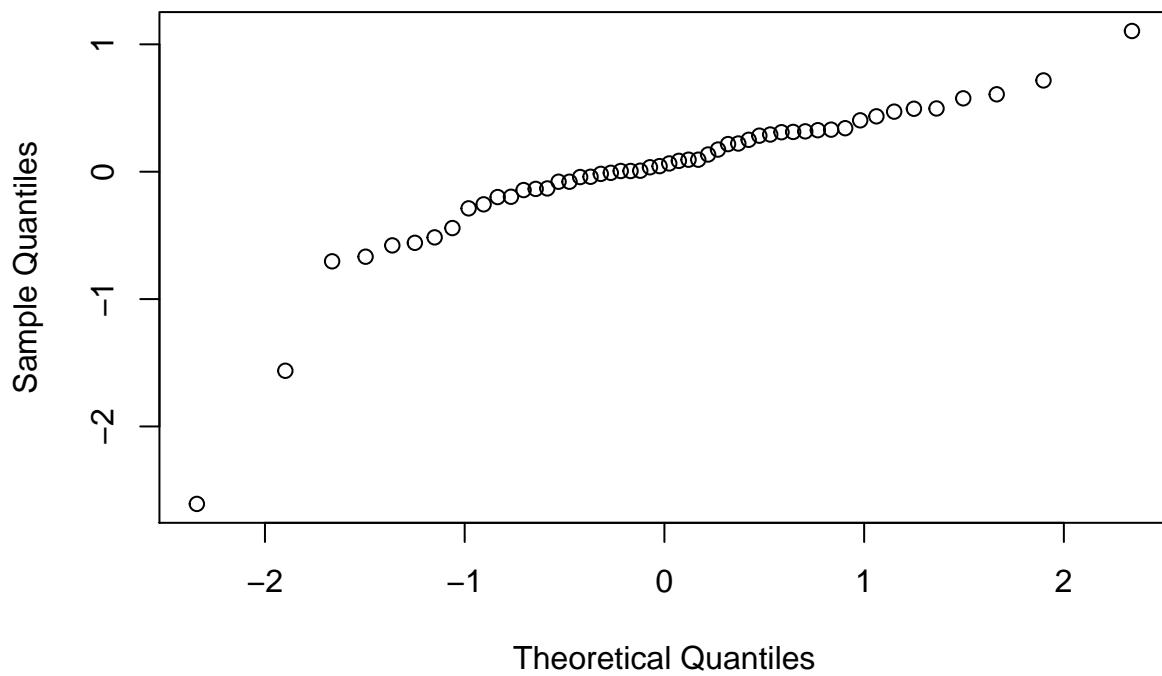
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.num.fireruns  
Plot of nPFOAorigEthnicity**



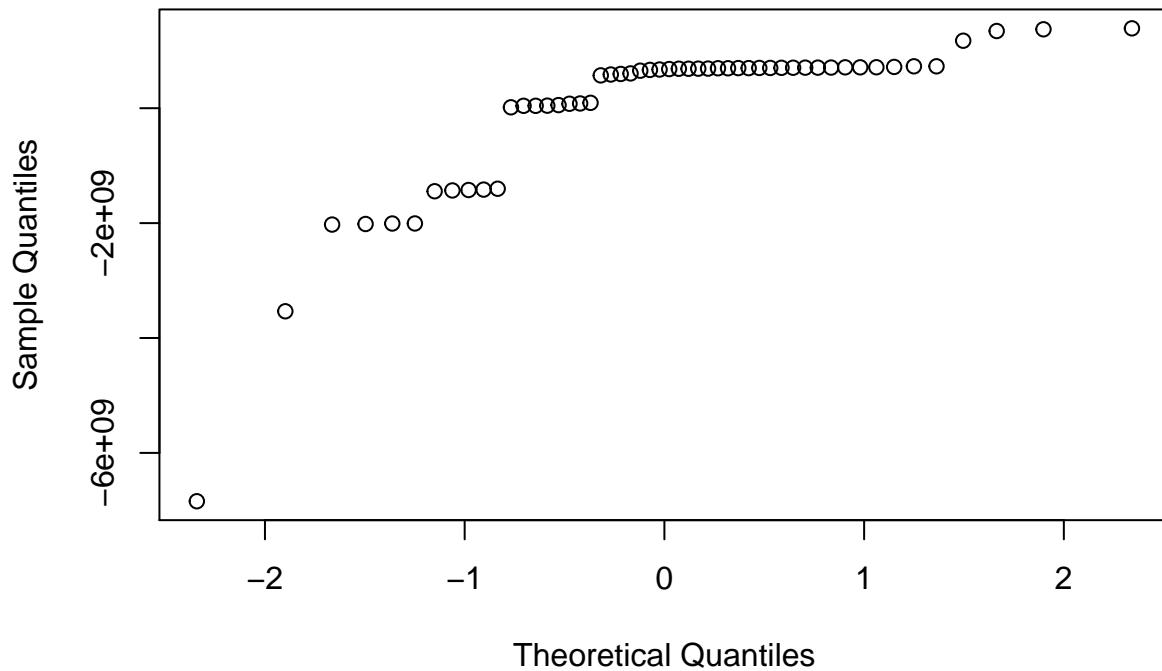
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



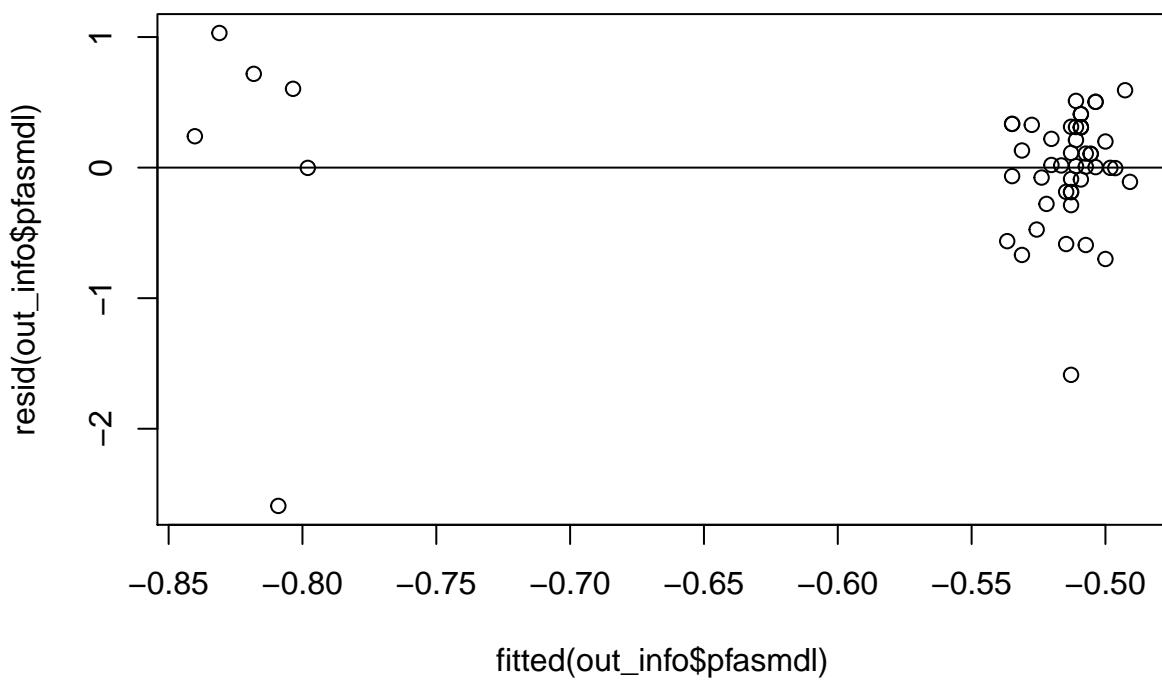
**Normal Q-Q Plot**



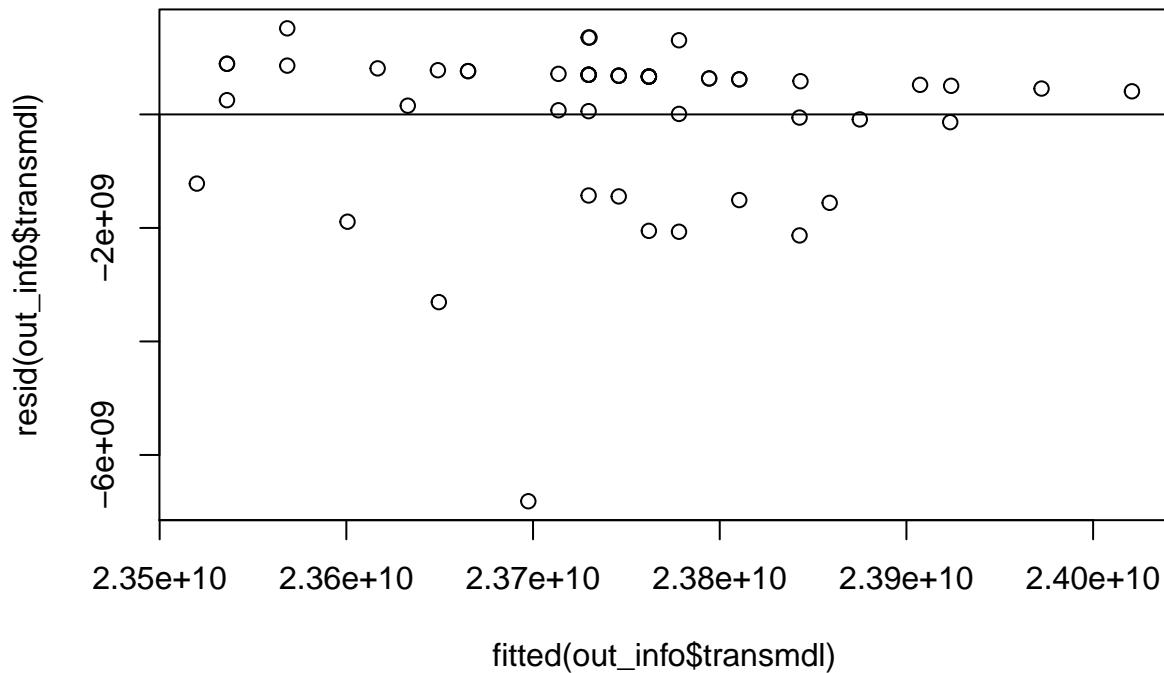
### Normal Q-Q Plot



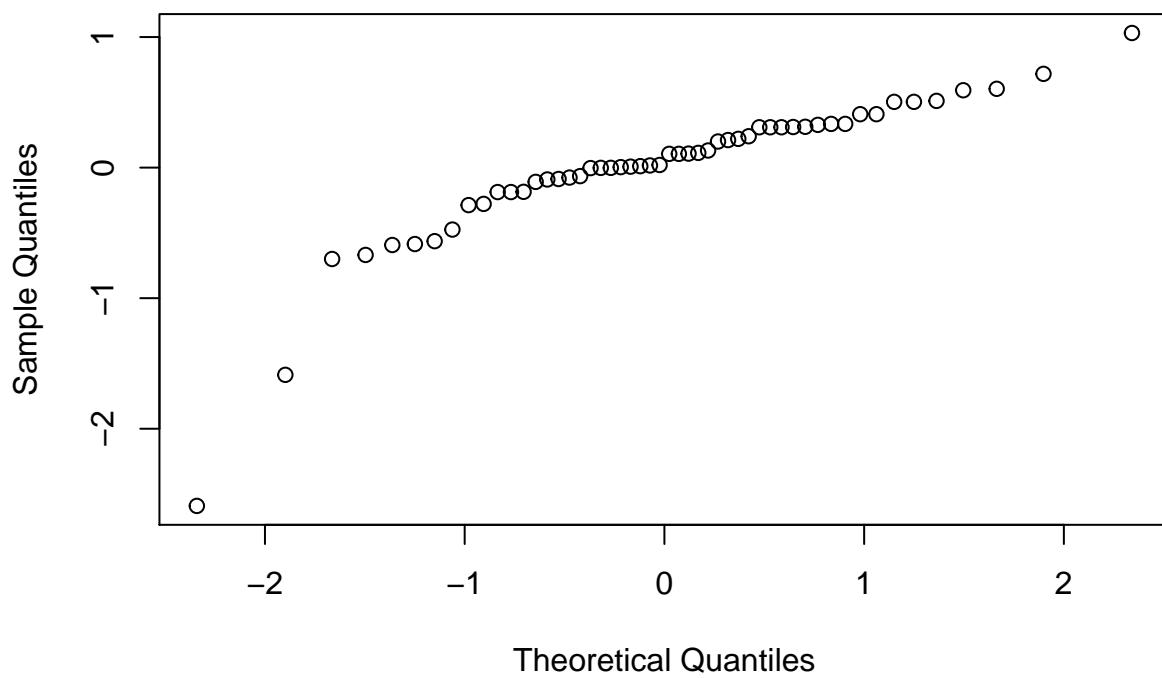
**Plot of fnPFOAorig+  
Plot of fnPFOAorigstr.num.fireruns  
Plot of fnPFOAorigEthnicity**



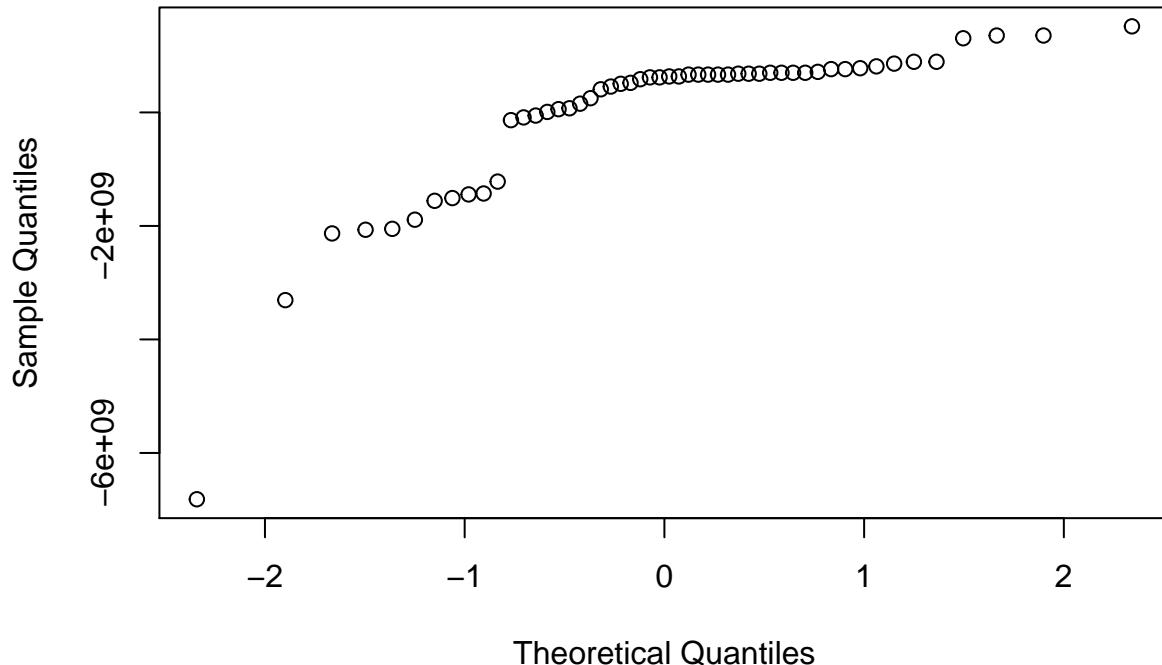
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.num.fireruns  
Plot of PFOSAtransEthnicity**



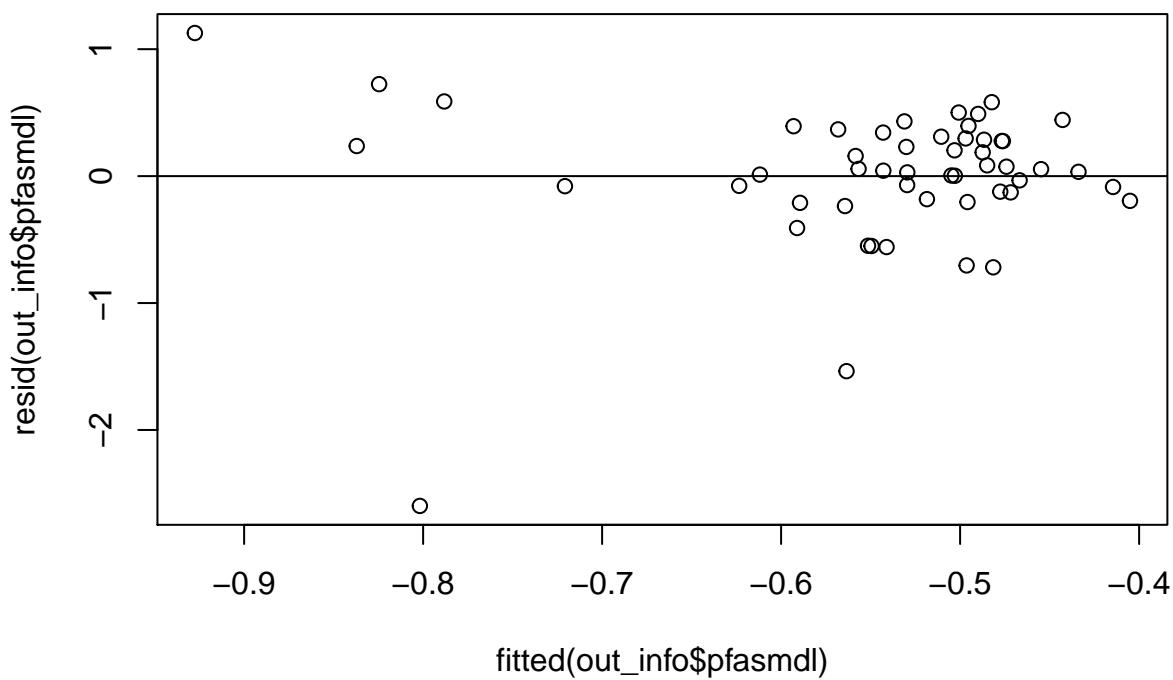
**Normal Q-Q Plot**



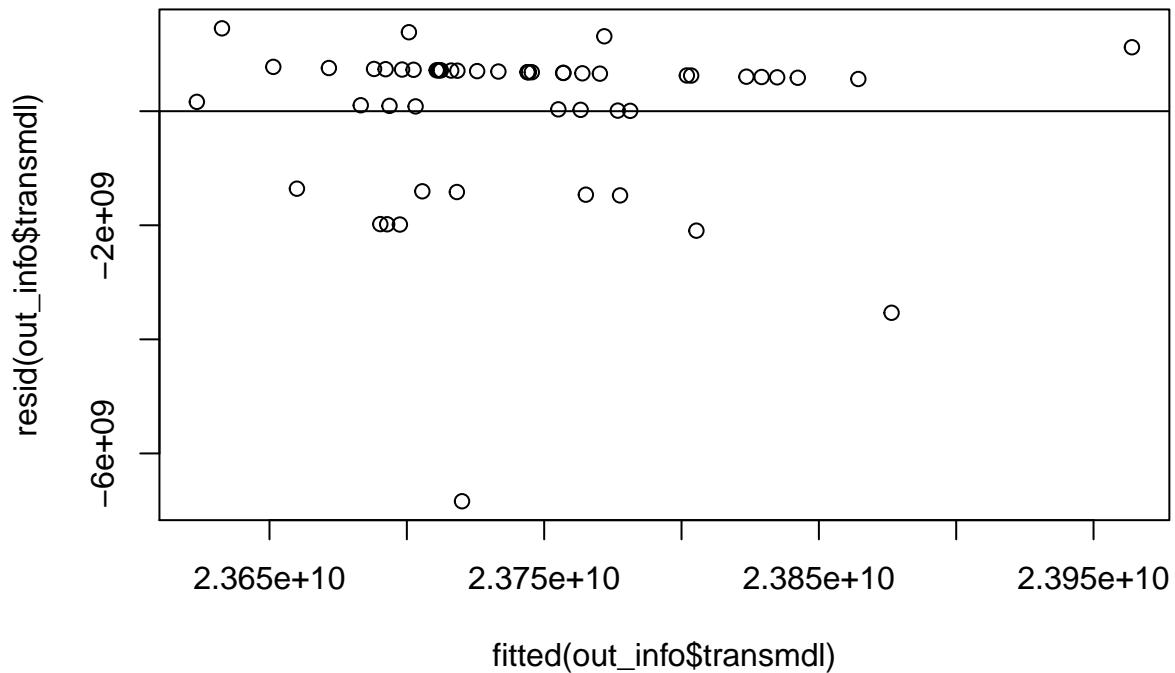
### Normal Q-Q Plot



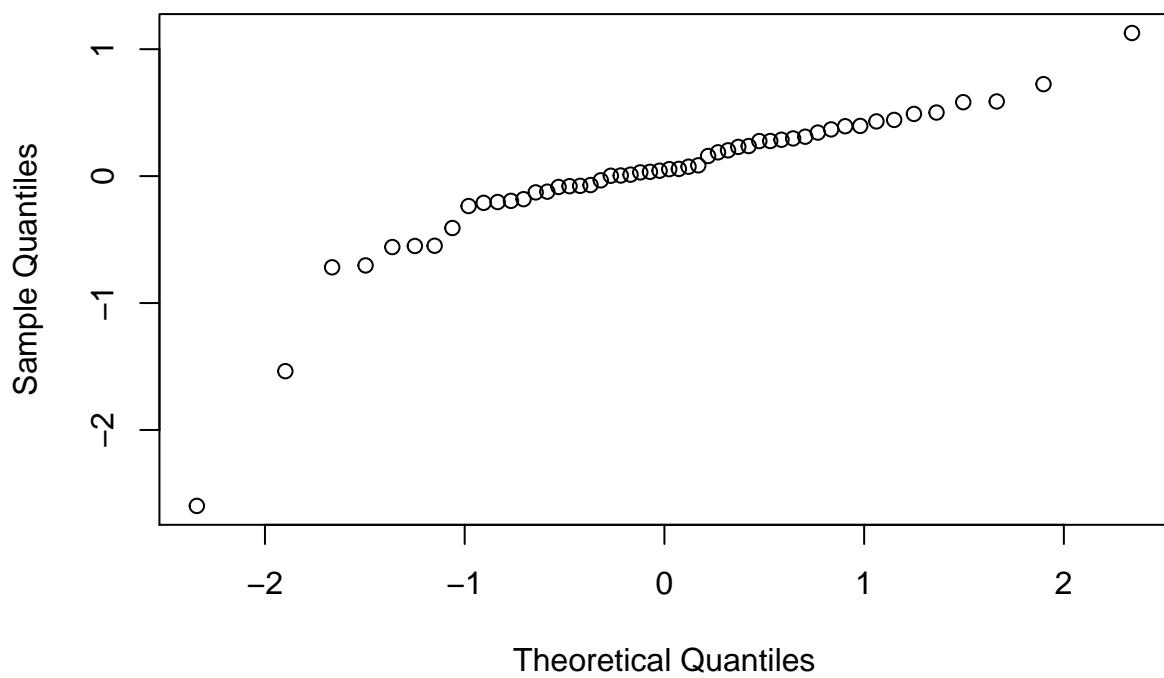
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.duration.hrs  
Plot of nPFOAorigEthnicity**



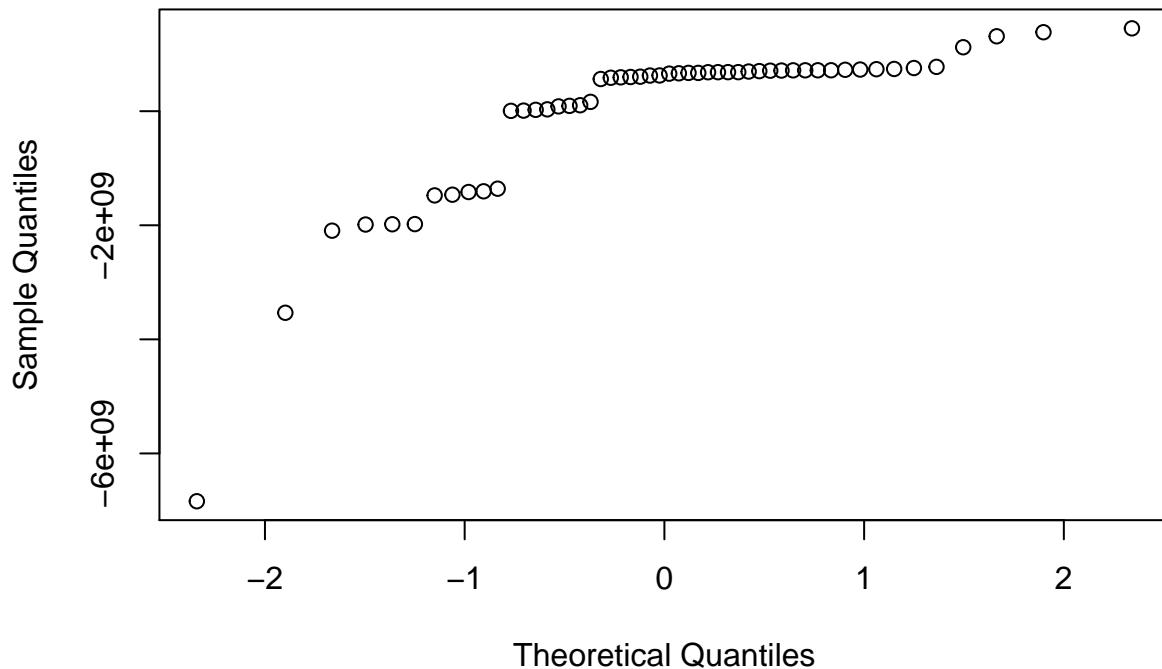
**Plot of PFOSAtrans+  
Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



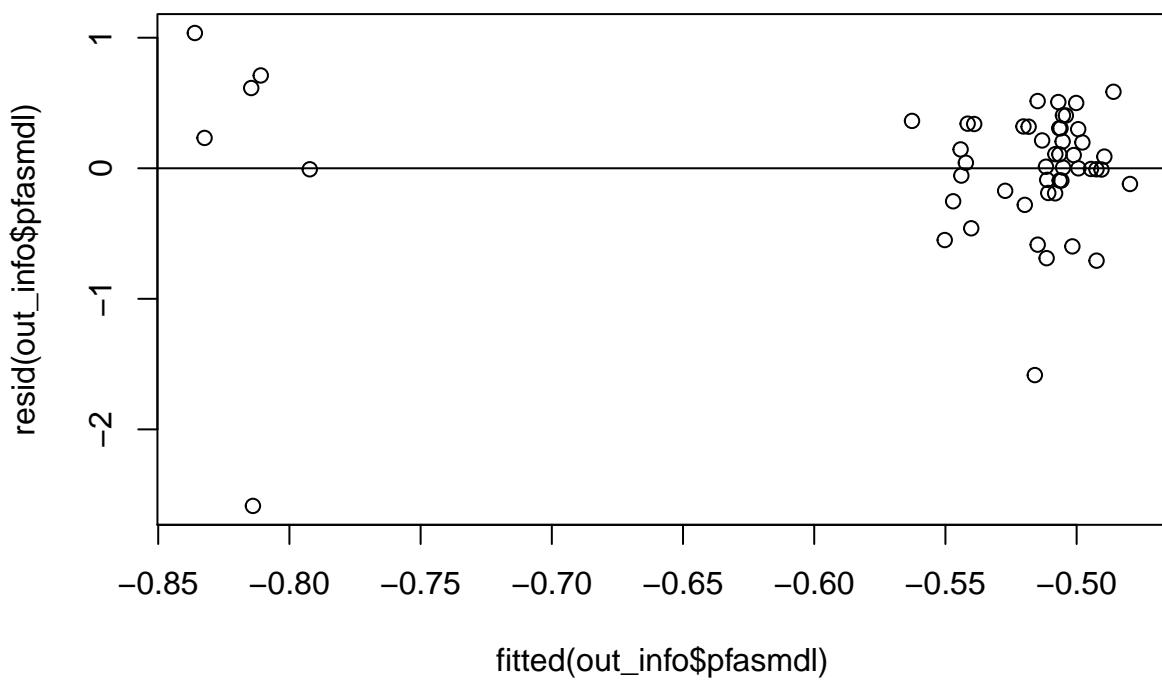
**Normal Q-Q Plot**



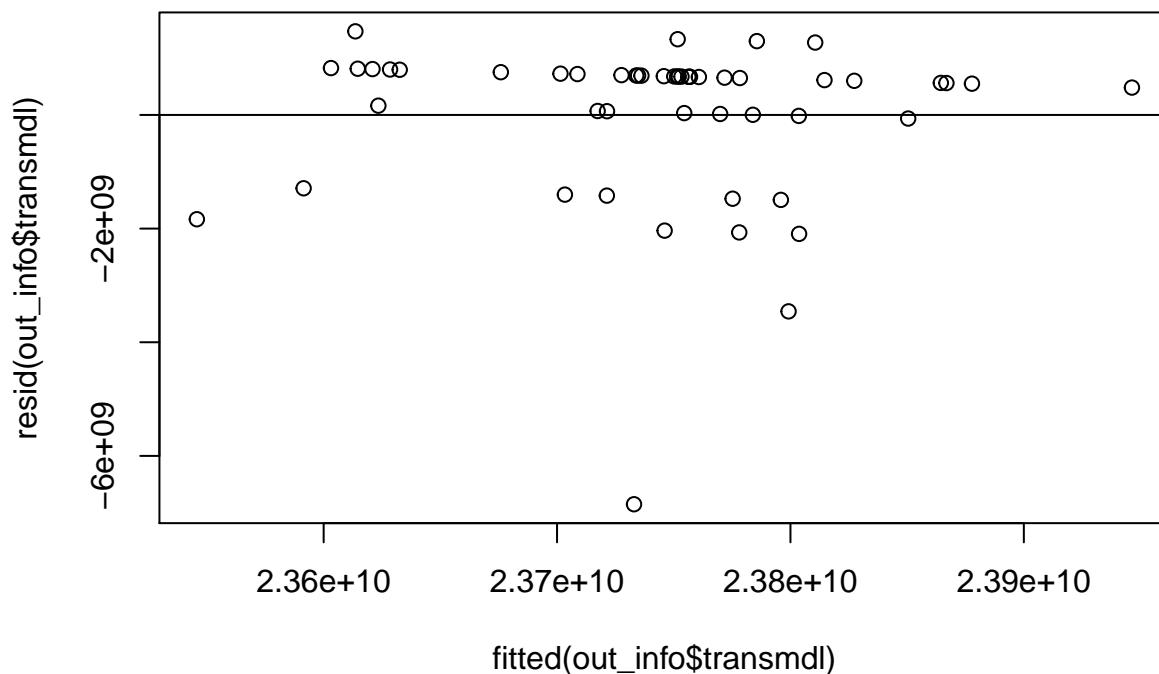
### Normal Q-Q Plot



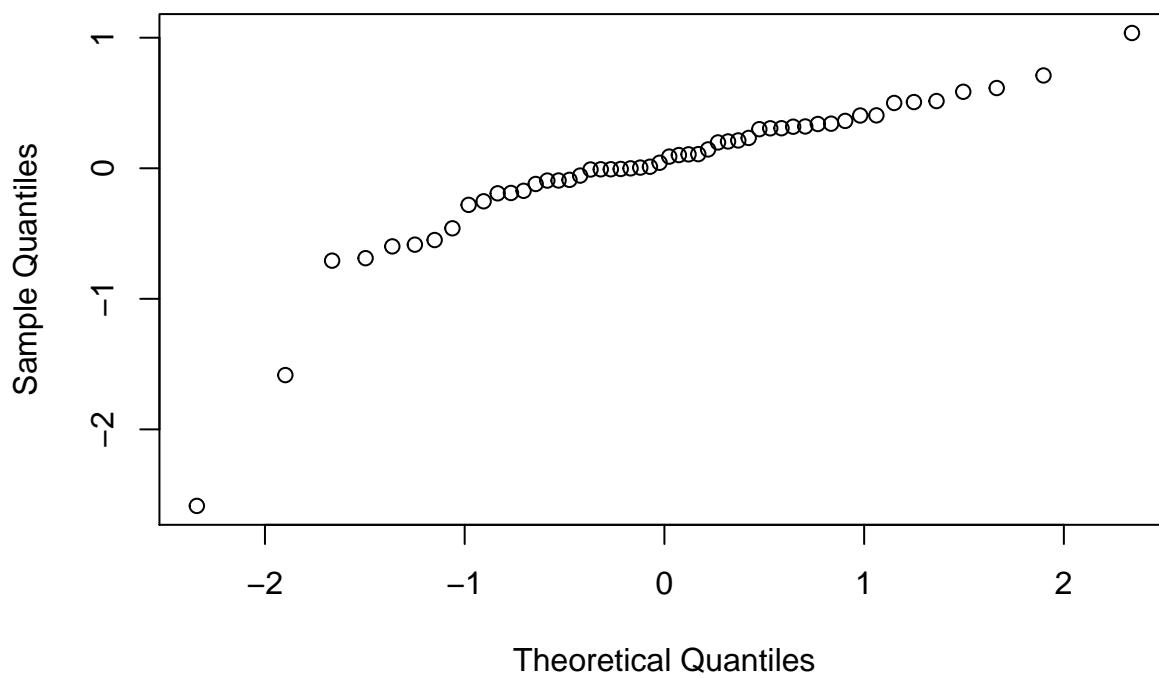
Plot of fnPFOAorig+  
Plot of fnPFOAorigstr.duration.hrs  
Plot of fnPFOAorigEthnicity



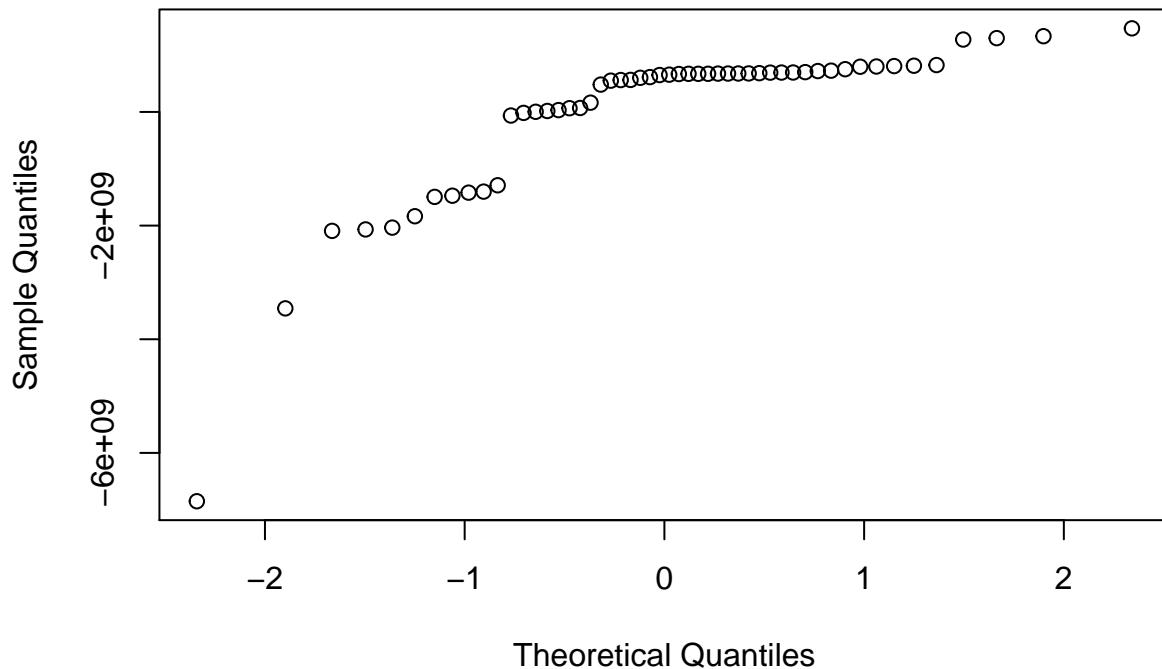
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.duration.hrs  
Plot of PFOSAtransEthnicity**



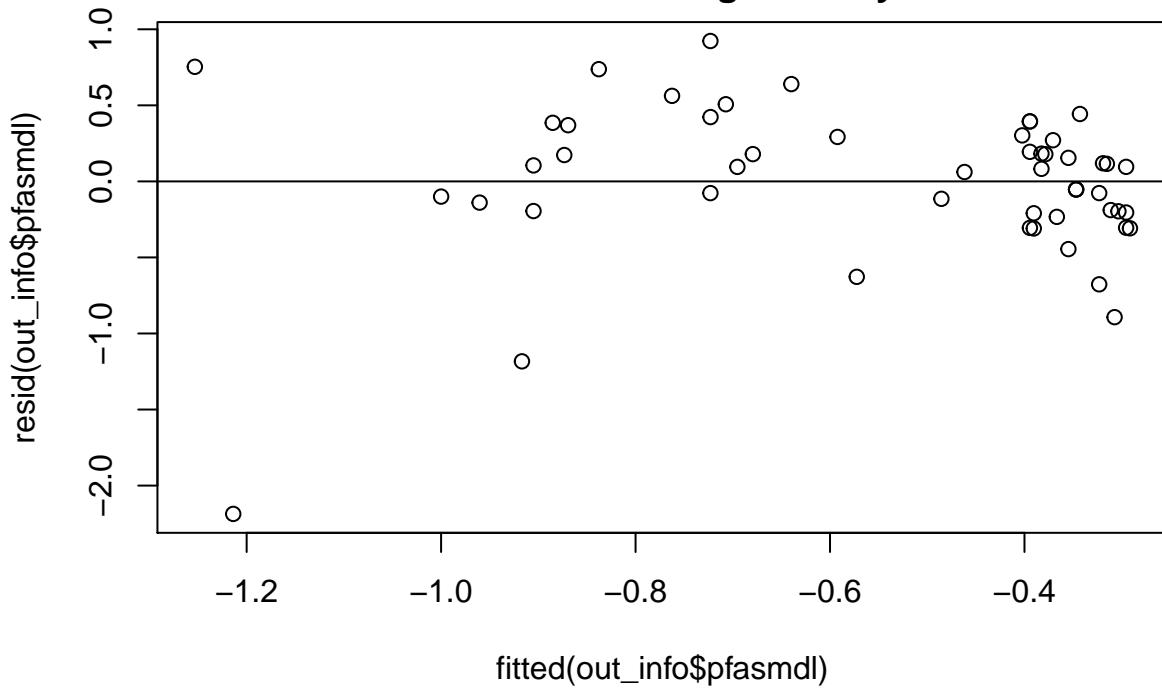
**Normal Q-Q Plot**



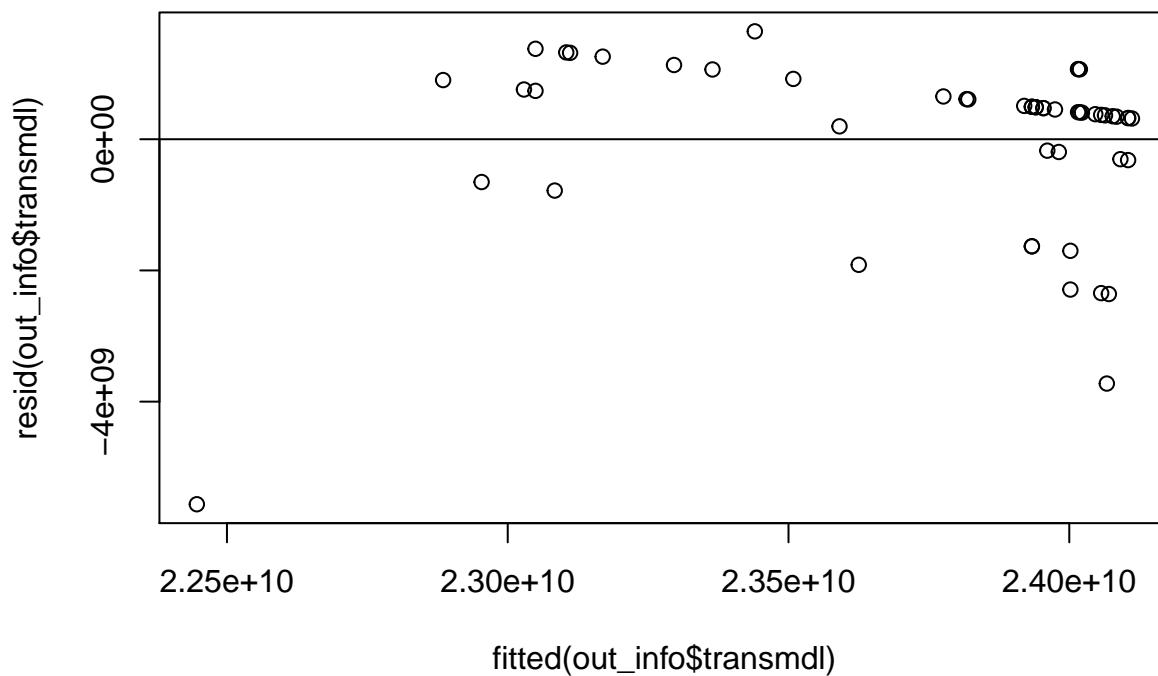
### Normal Q-Q Plot



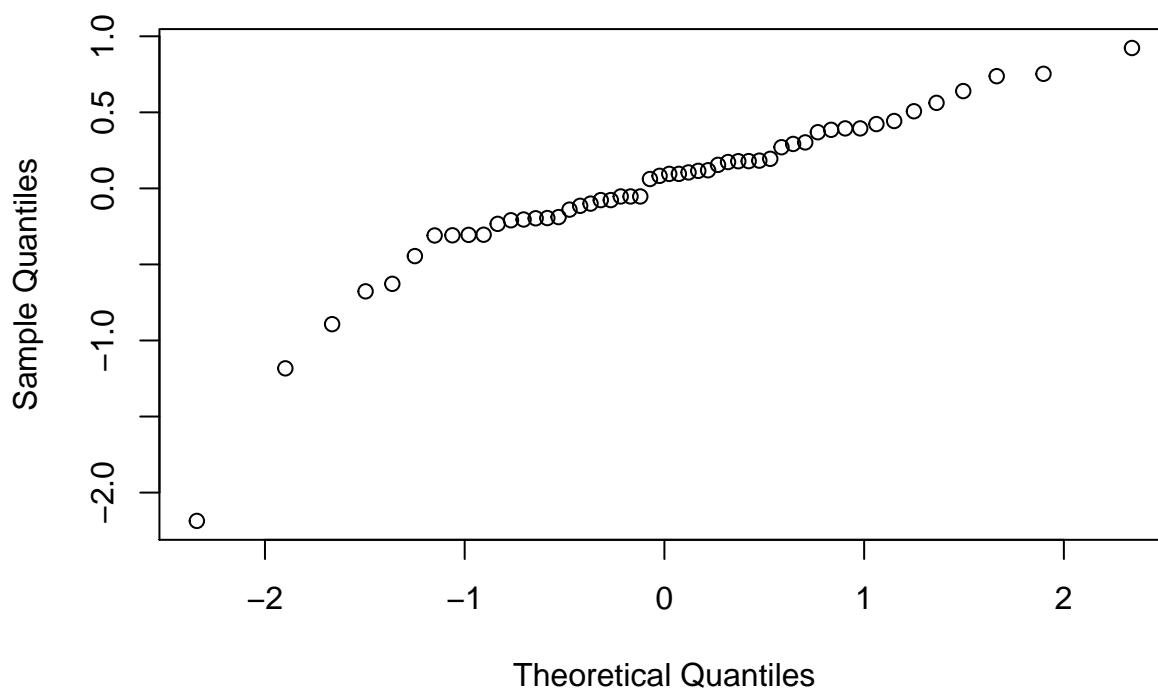
**Plot of fnPFOAorig+**  
**Plot of fnPFOAorigdays.since.MRF**  
**Plot of fnPFOAorigEthnicity**



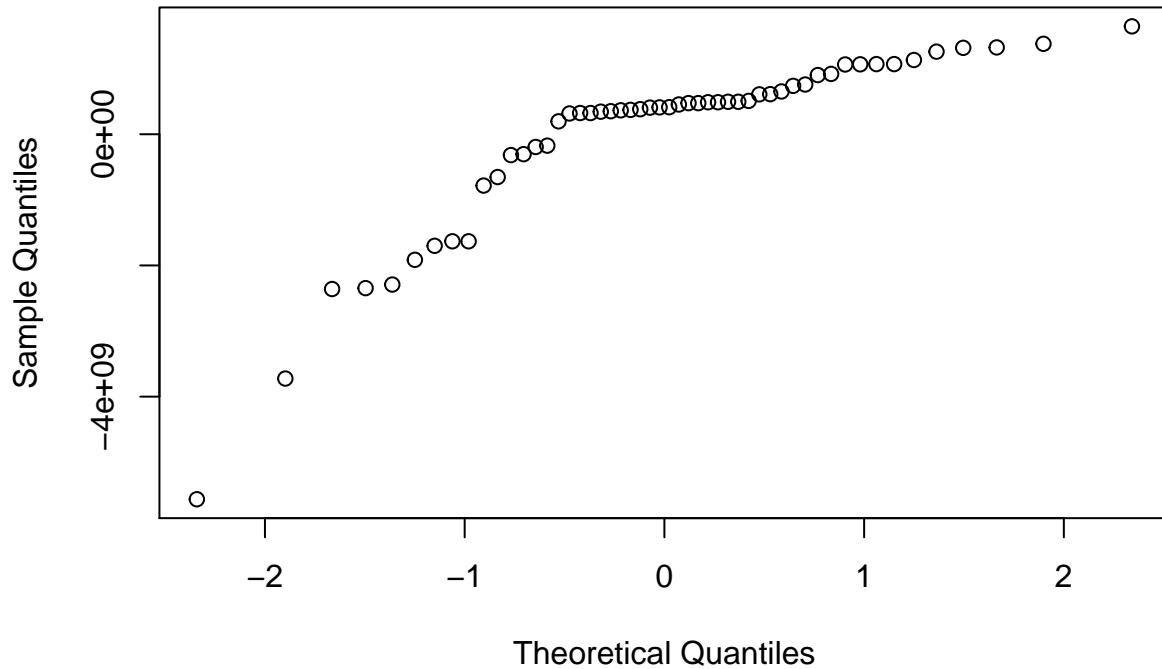
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



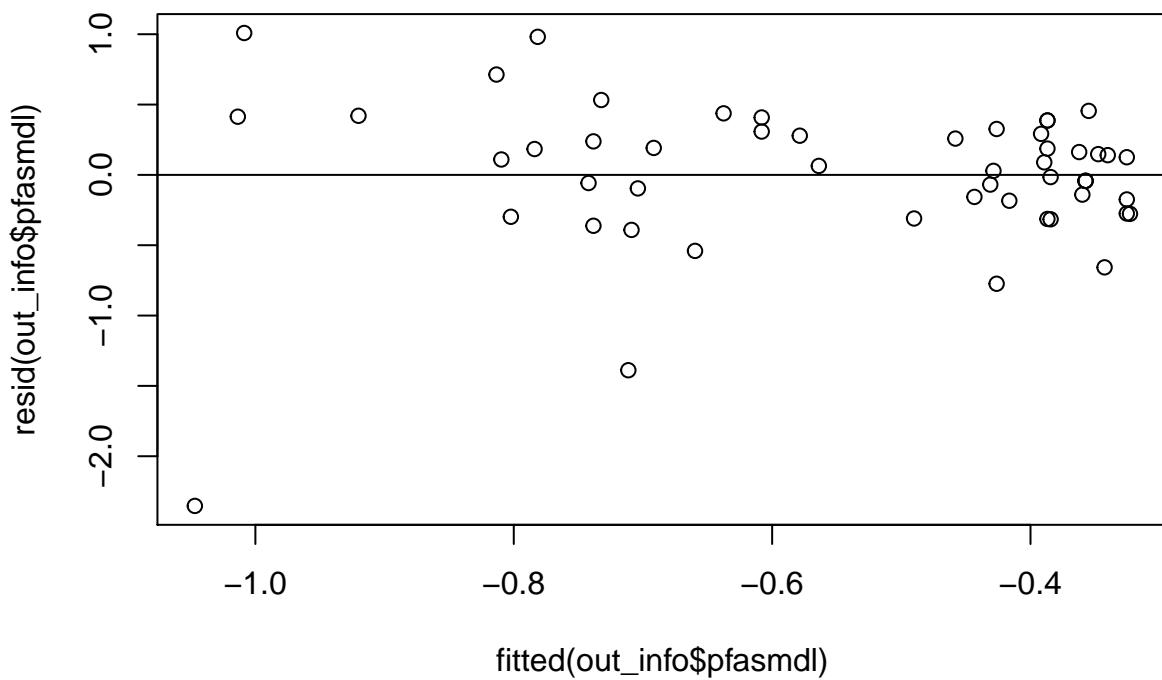
**Normal Q-Q Plot**



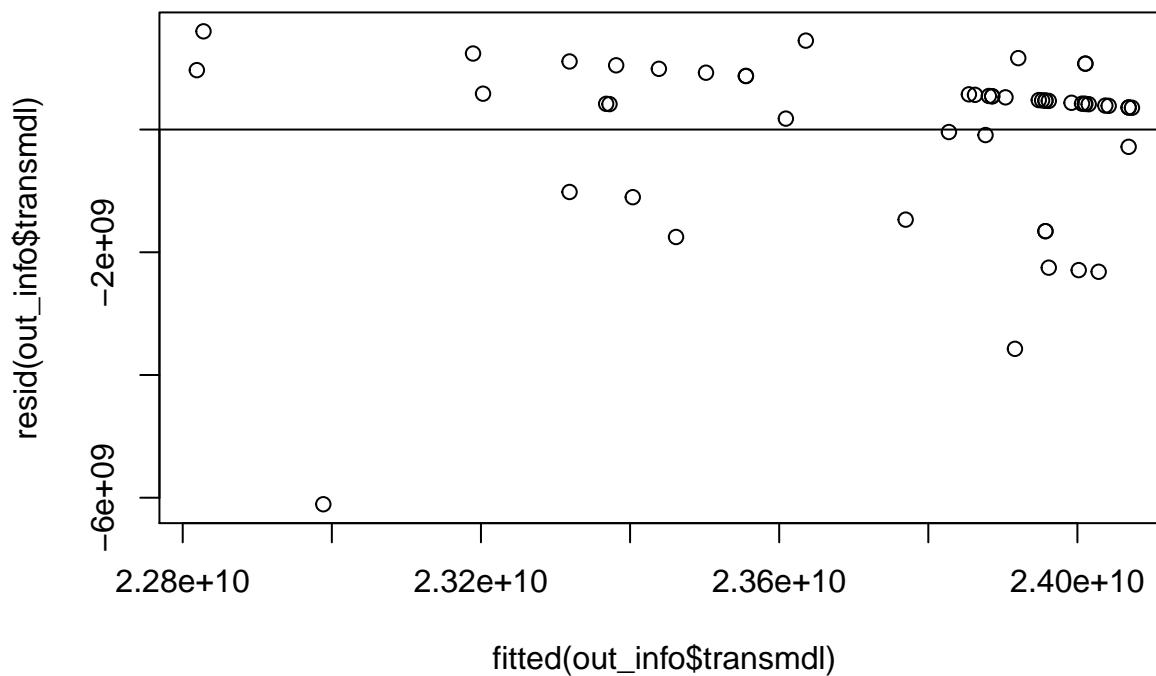
### Normal Q-Q Plot



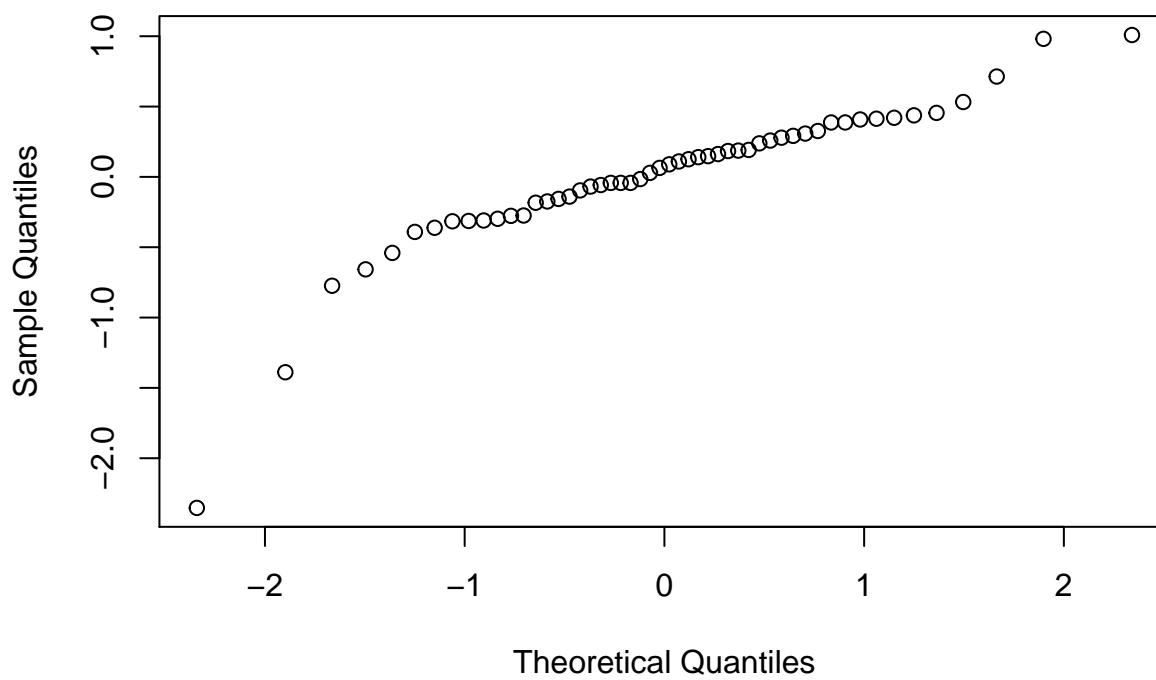
**Plot of fnPFOAorig+**  
**Plot of fnPFOAorigdays.since.struc.MRF**  
**Plot of fnPFOAorigEthnicity**



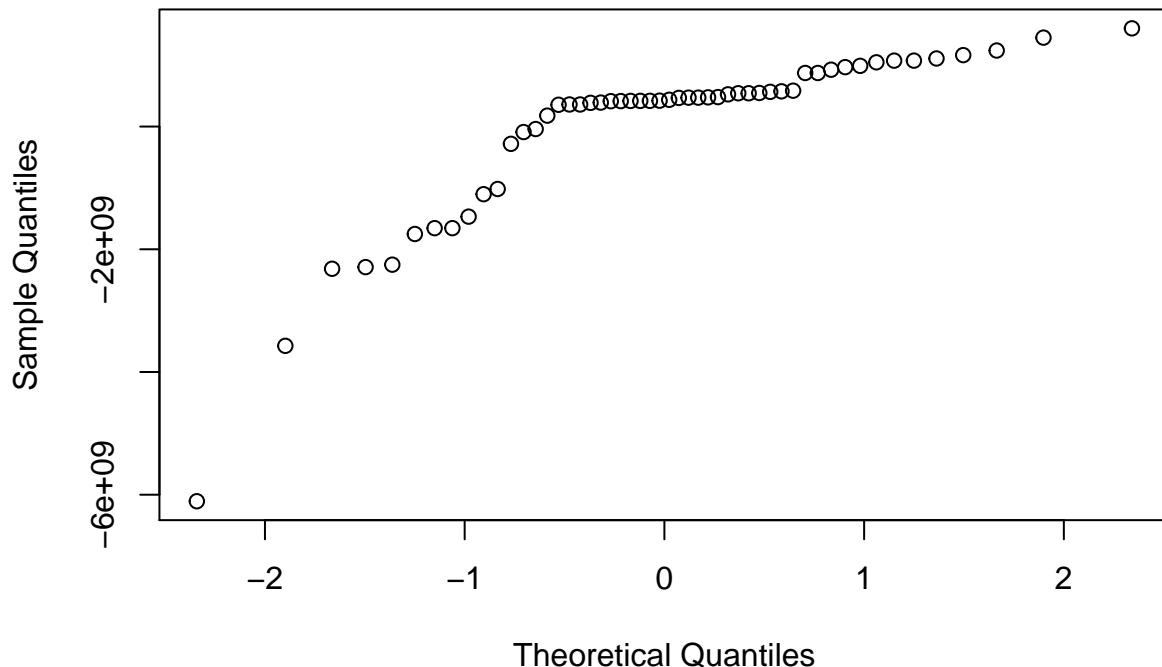
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
Plot of PFOSAtransEthnicity**



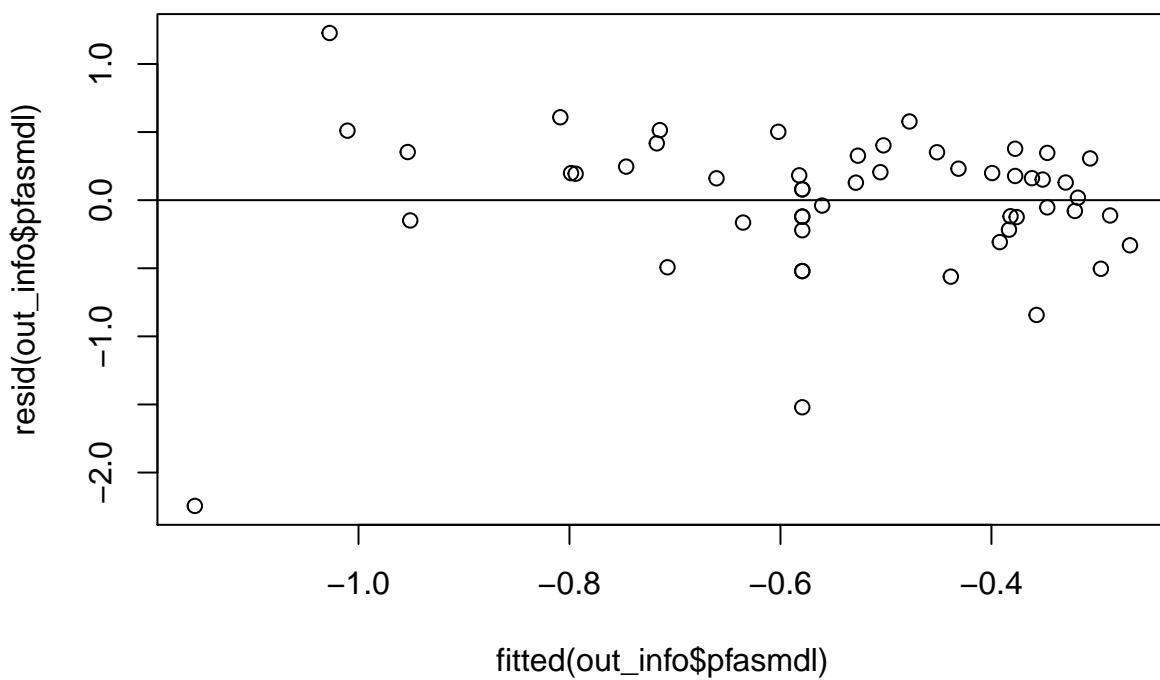
**Normal Q-Q Plot**



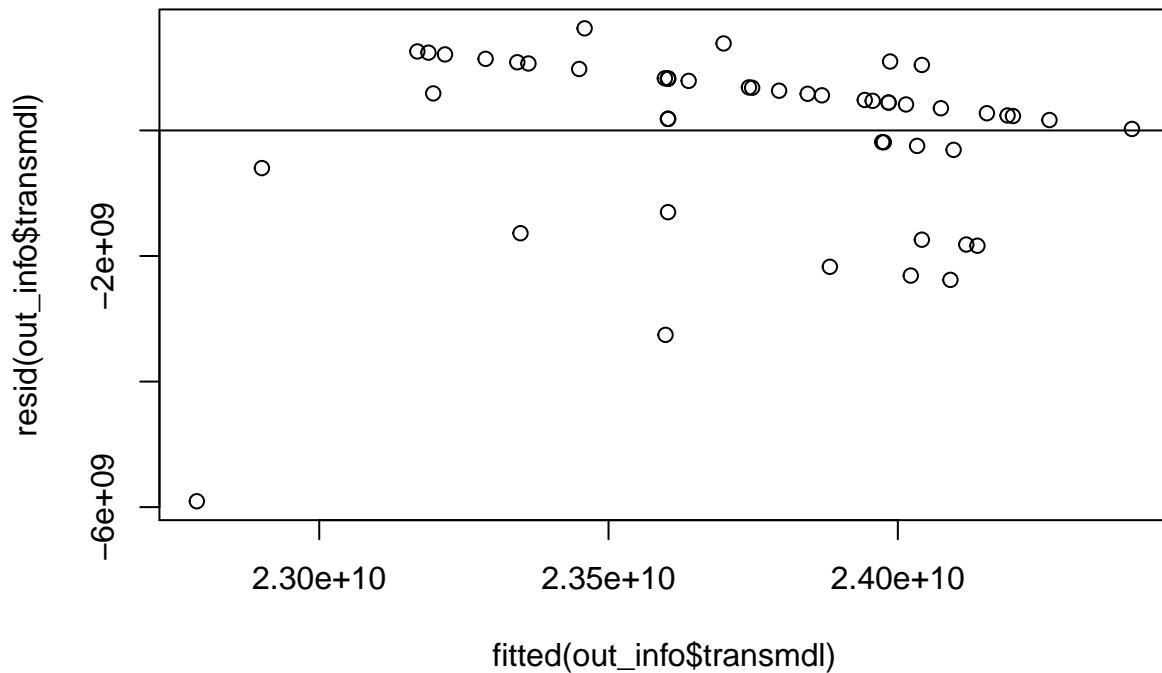
### Normal Q-Q Plot



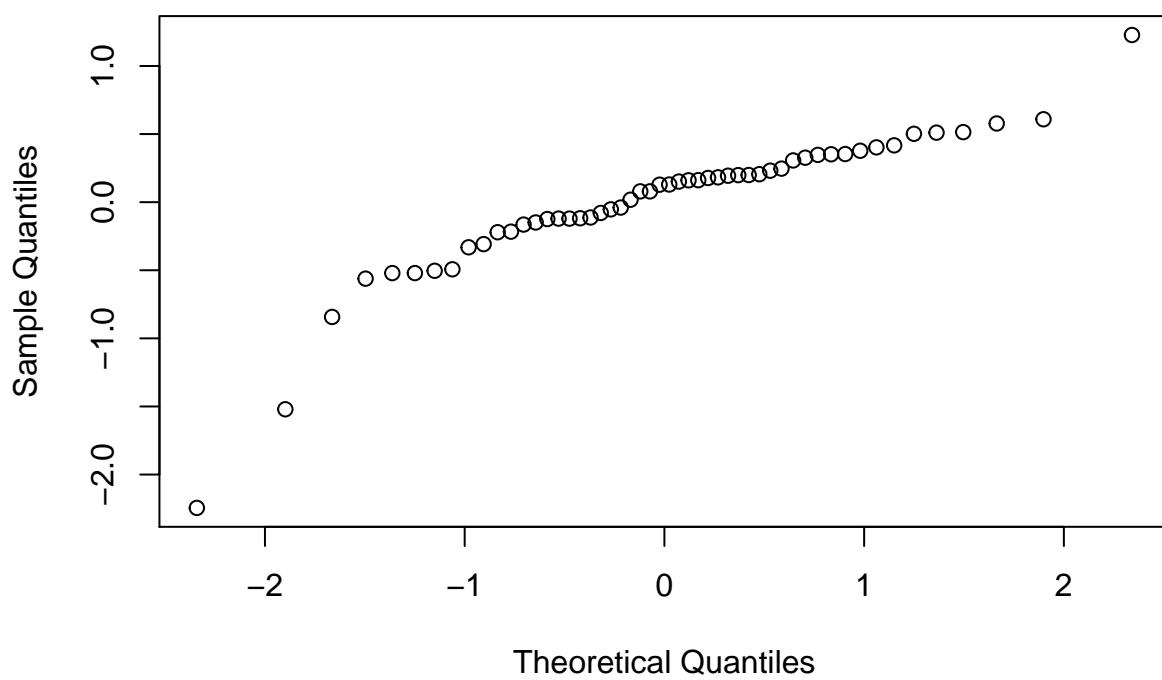
**Plot of nPFOAorig+**  
**Plot of nPFOAorigtime.since.baseline**  
**Plot of nPFOAorigEthnicity**



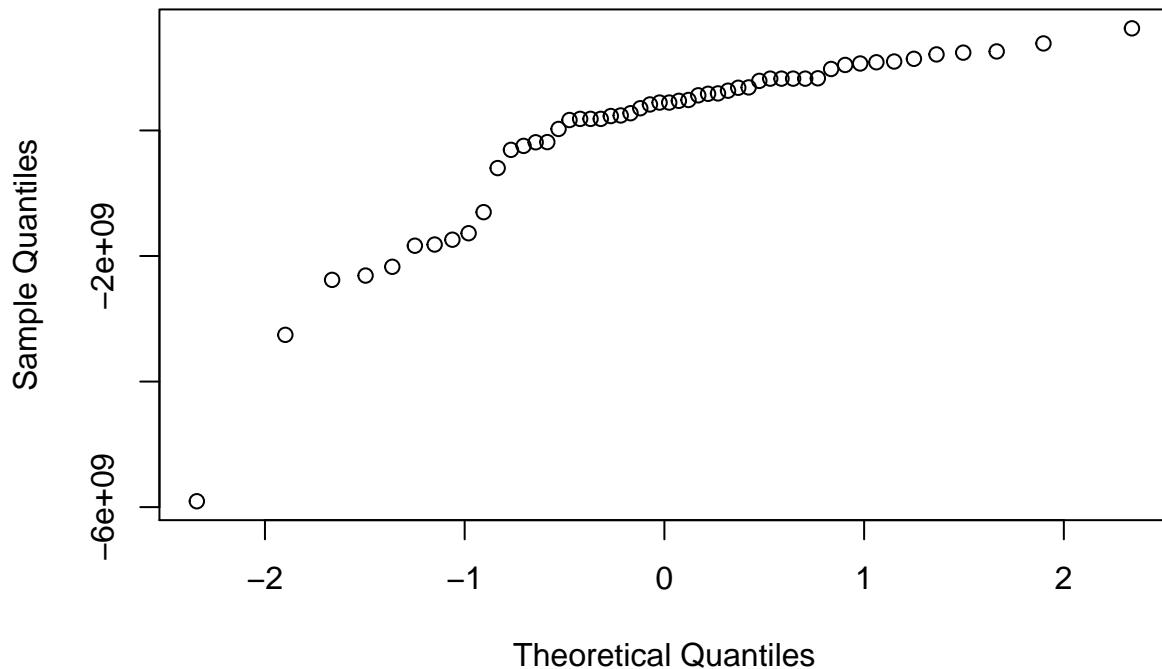
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Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



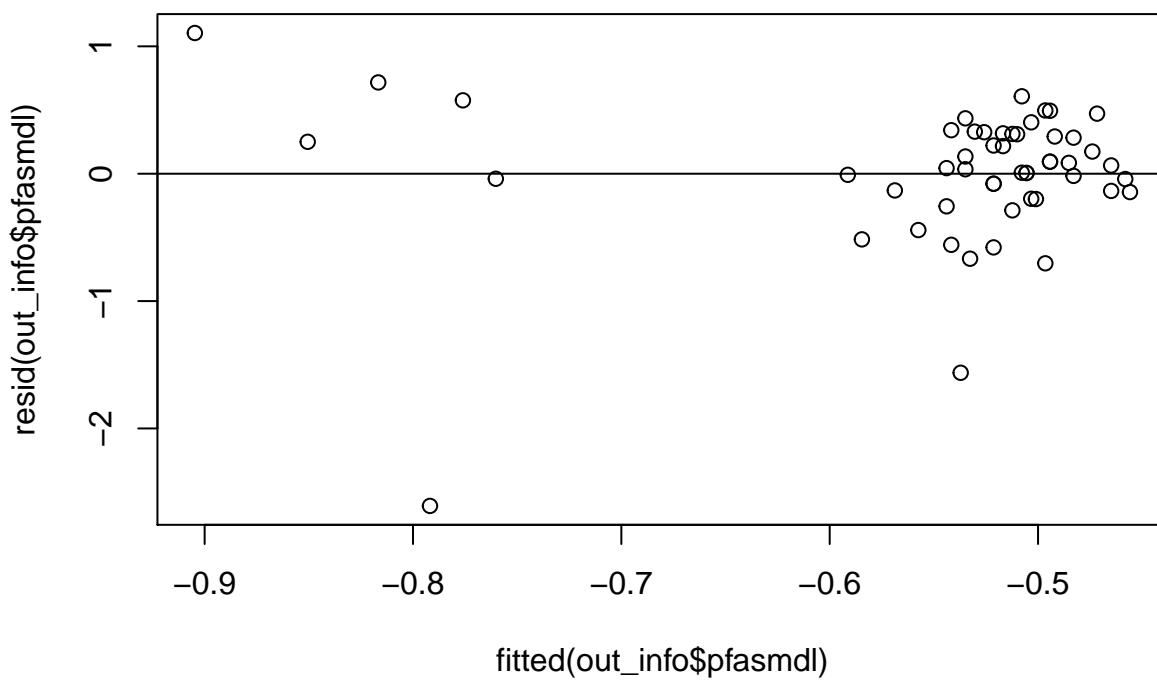
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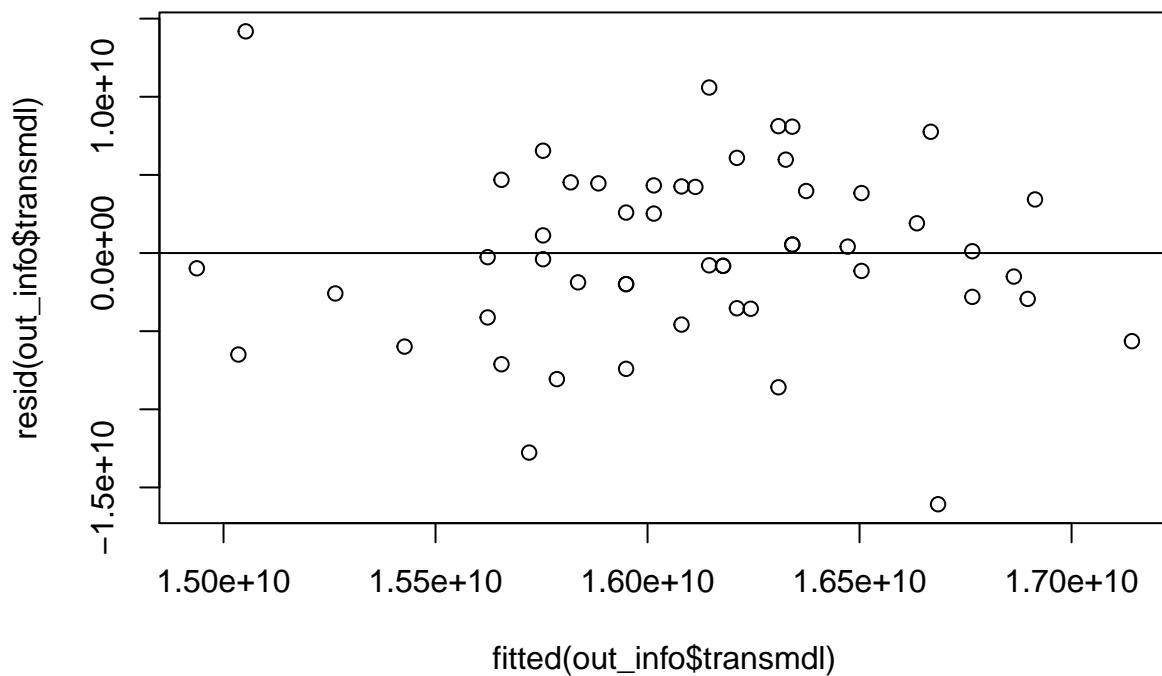
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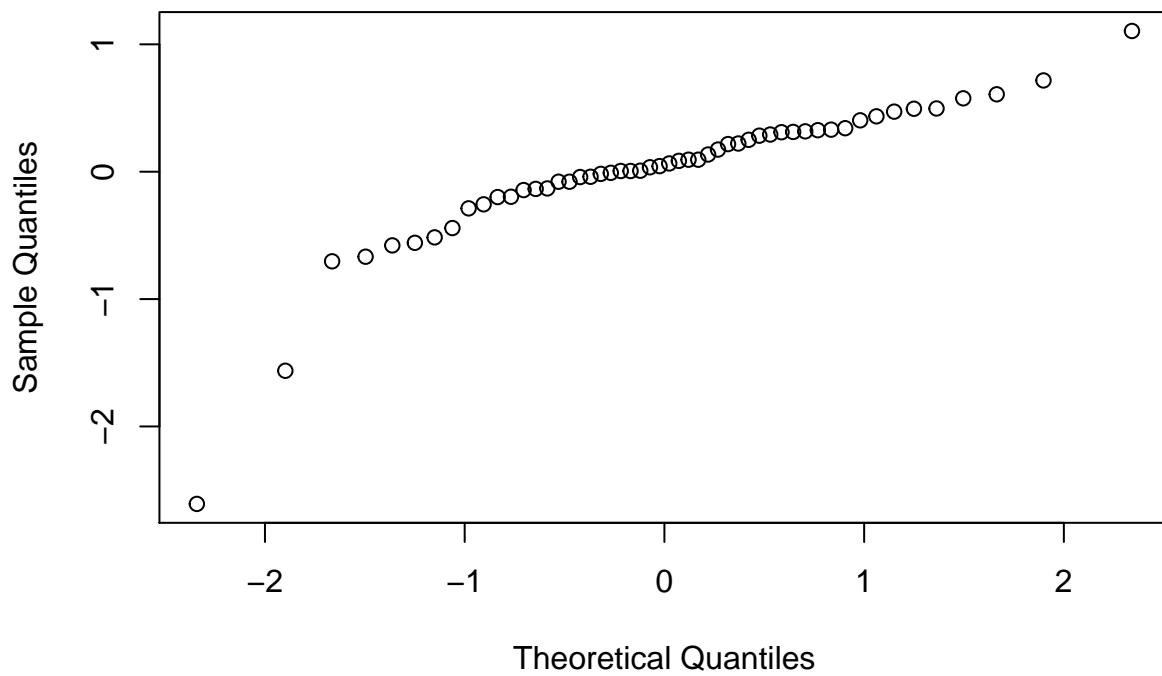
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.num.fireruns  
Plot of nPFOAorigEthnicity**



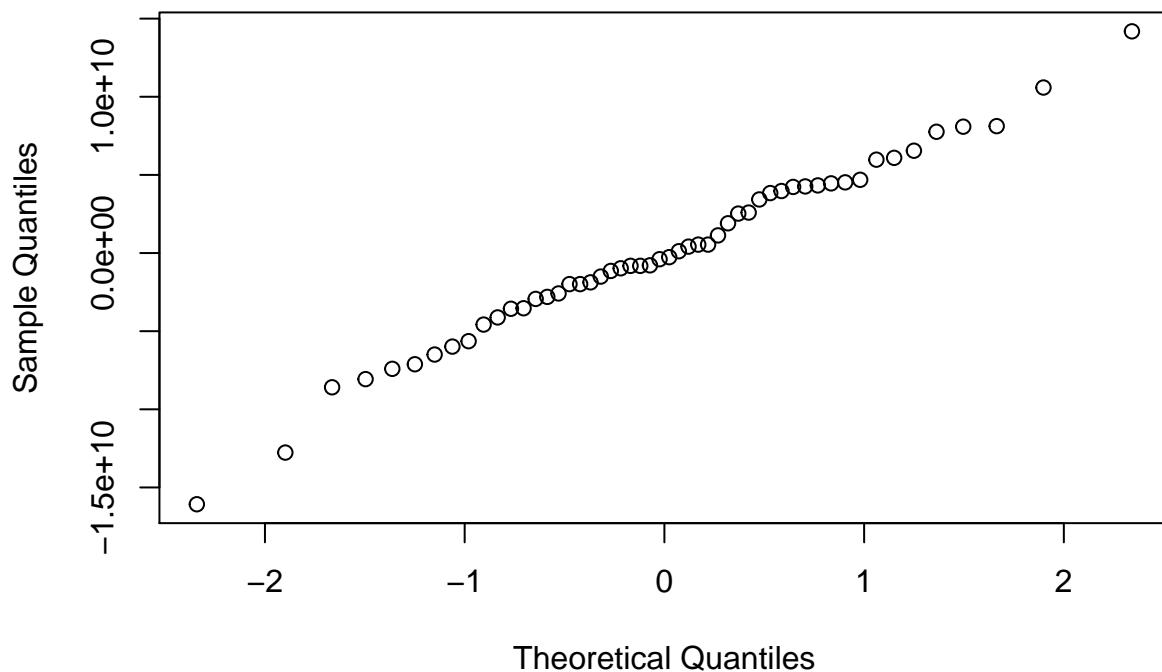
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Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



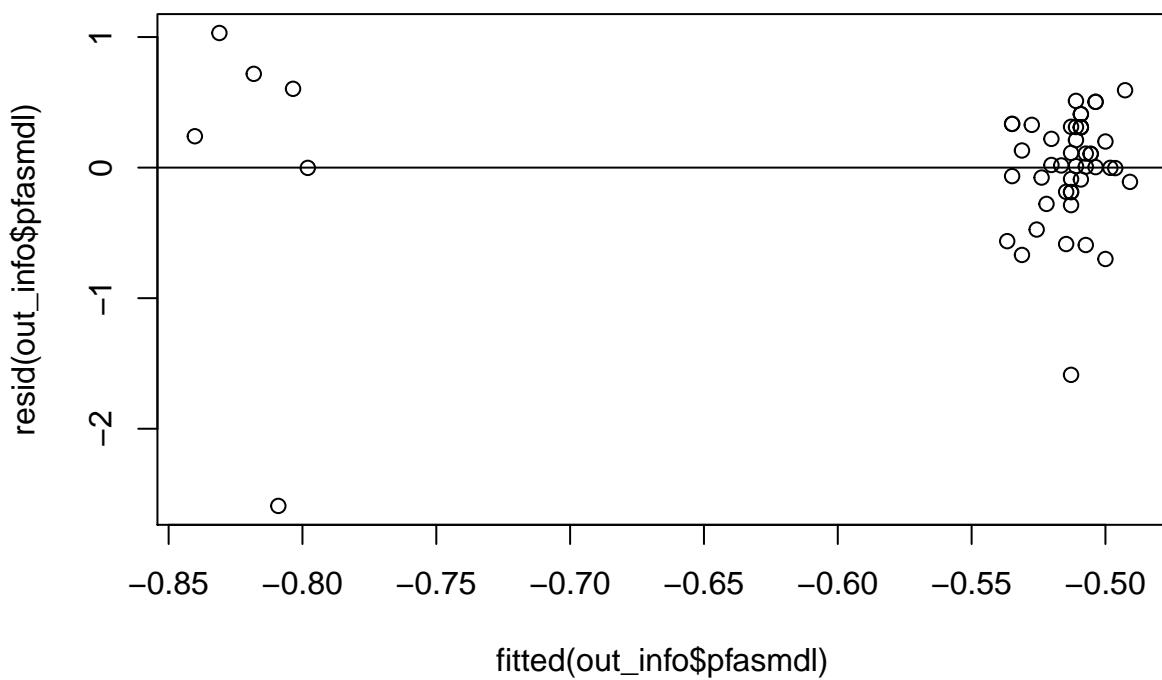
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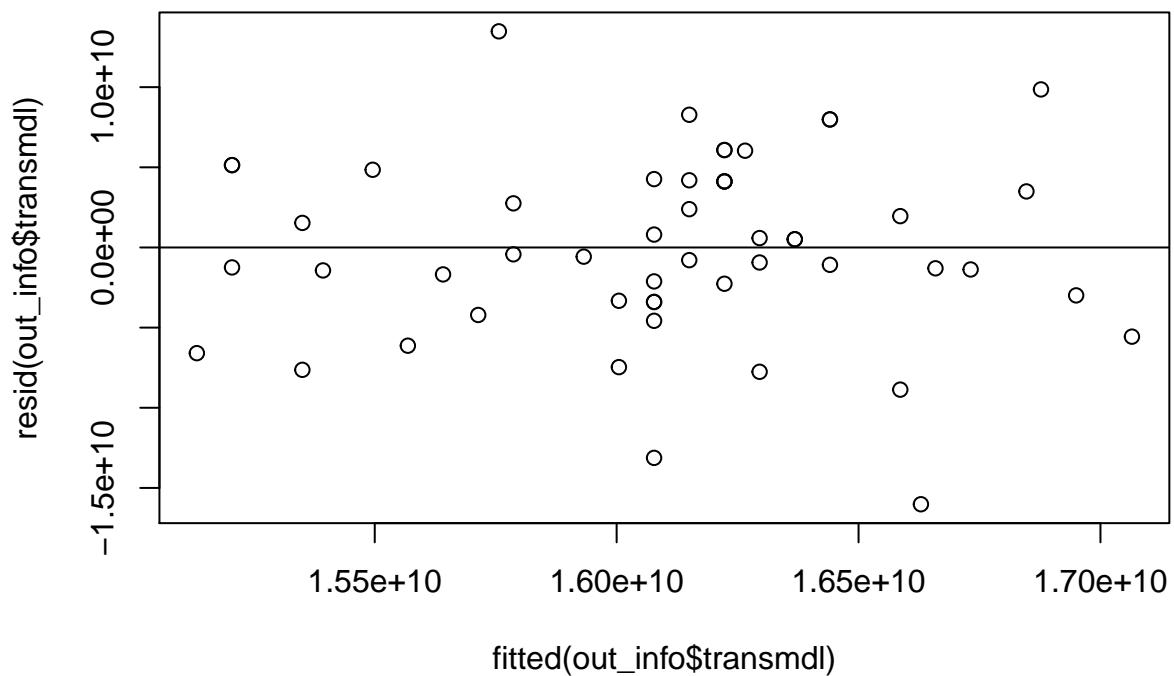
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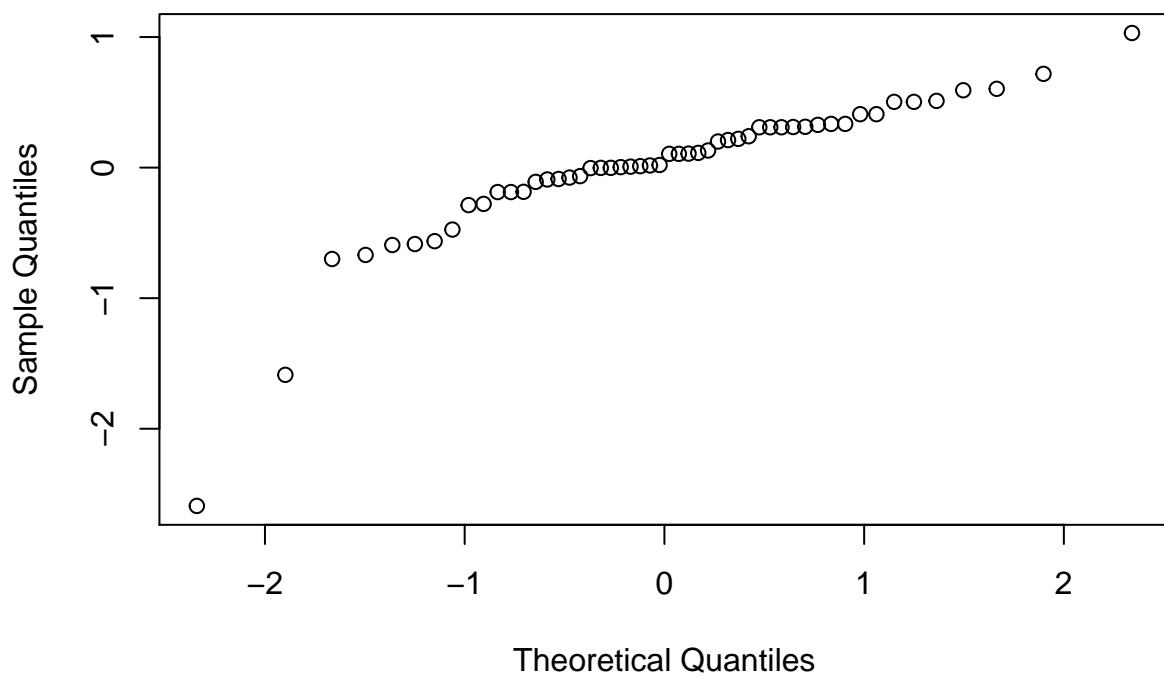
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Plot of fnPFOAorigstr.num.fireruns  
Plot of fnPFOAorigEthnicity**



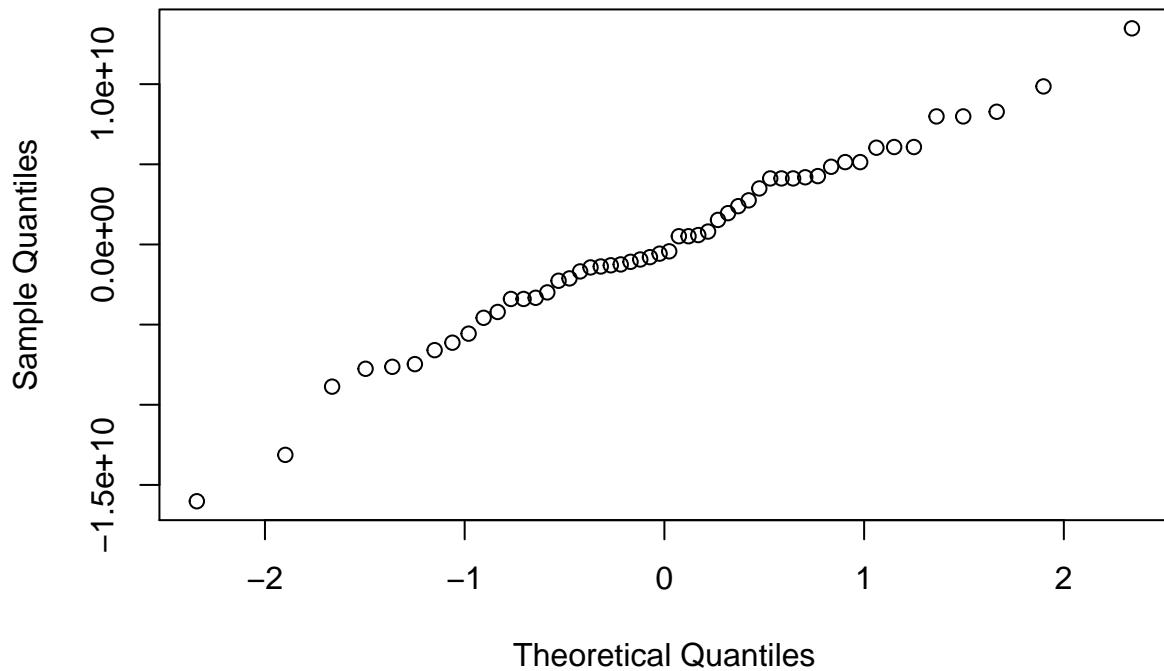
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Plot of fnPFOAtransstr.num.fireruns  
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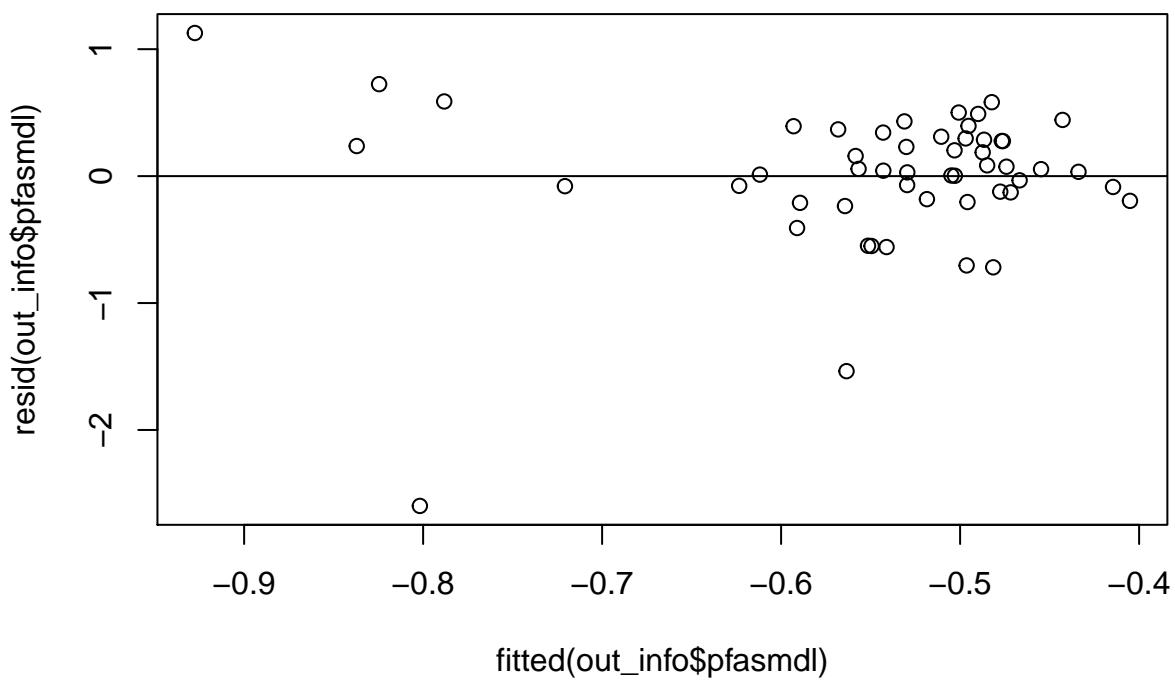
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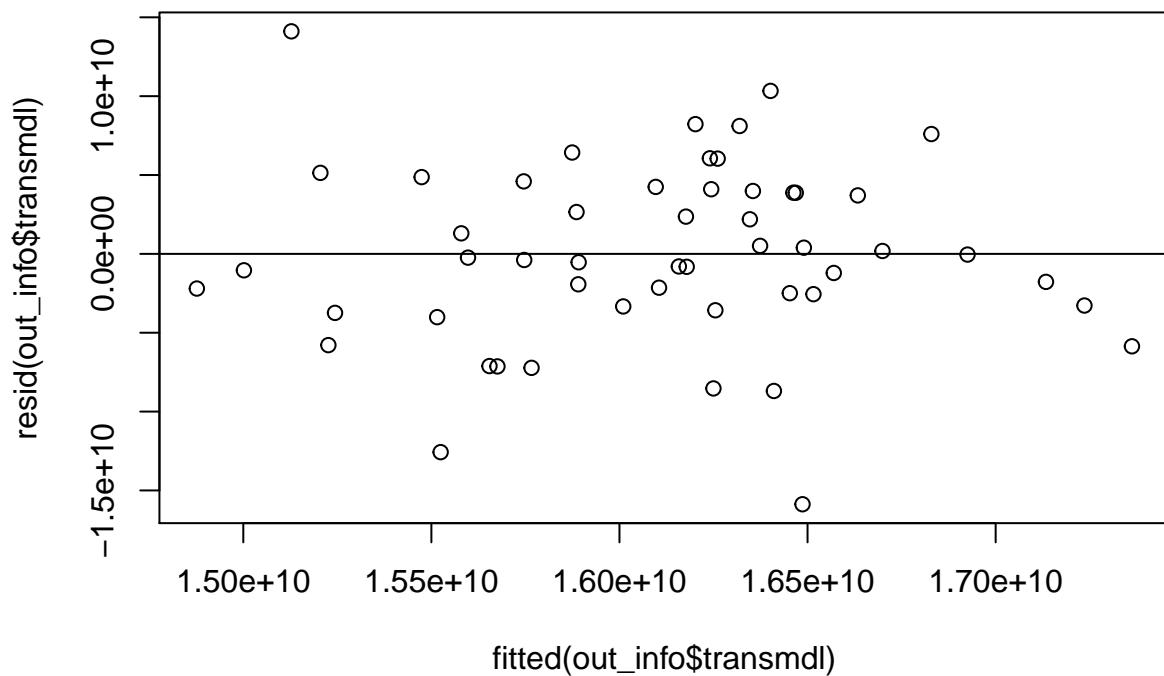
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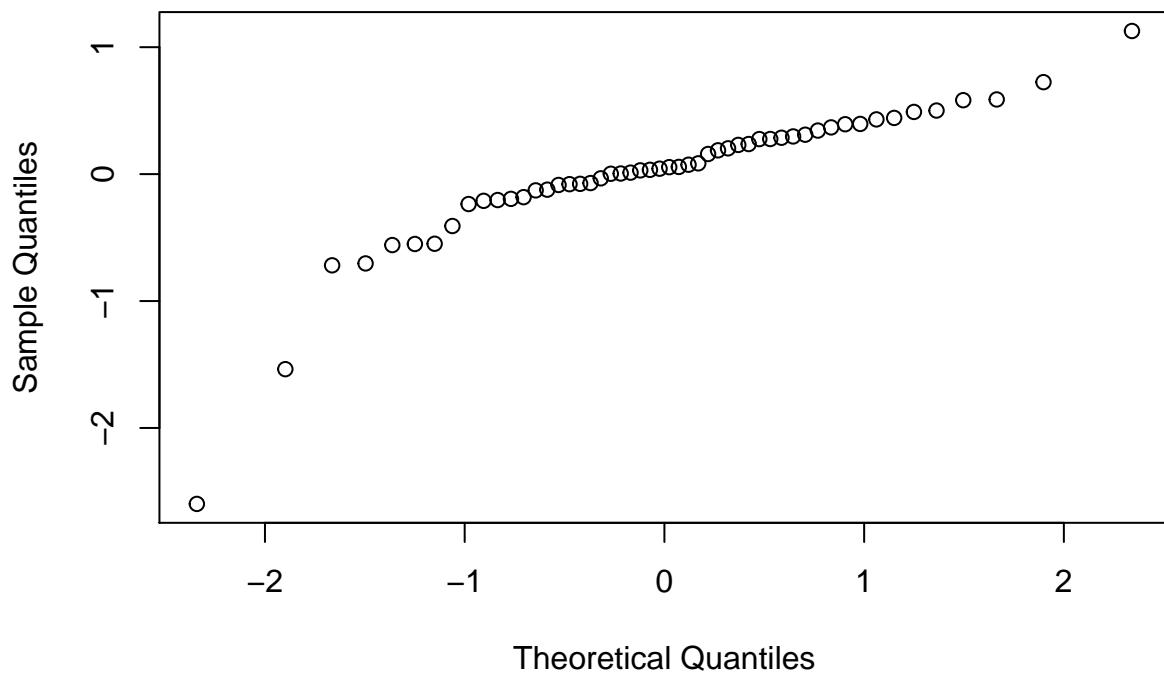
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Plot of nPFOAorigtotal.duration.hrs  
Plot of nPFOAorigEthnicity**



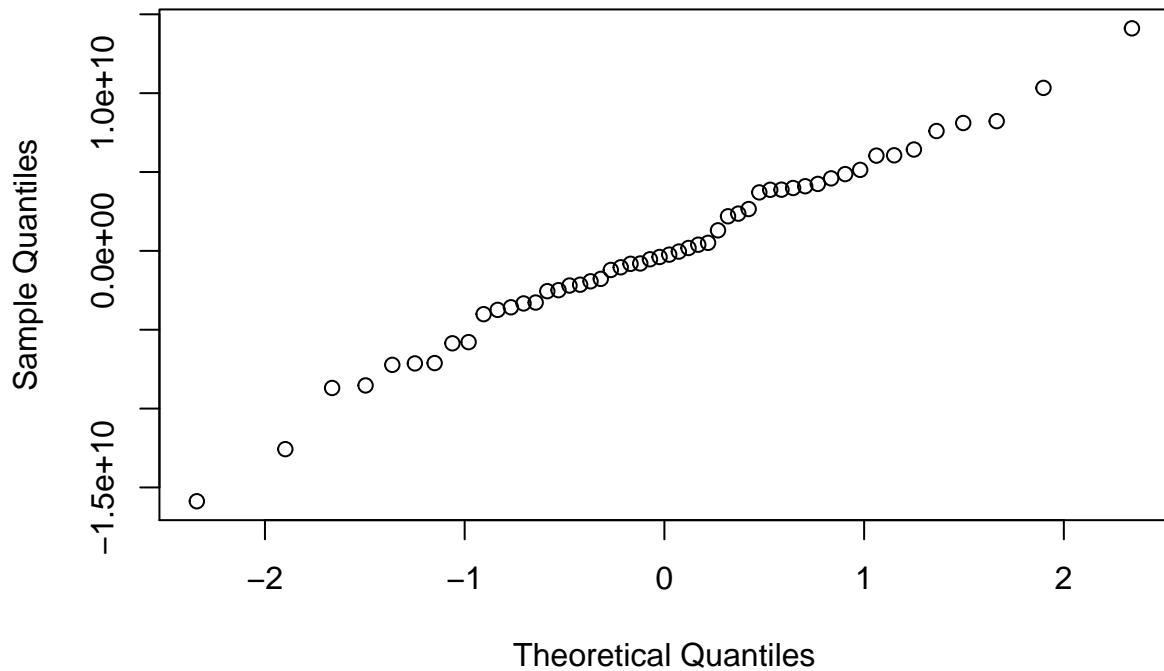
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Plot of fnPFOAtranstotal.duration.hrs  
Plot of fnPFOAtransEthnicity**



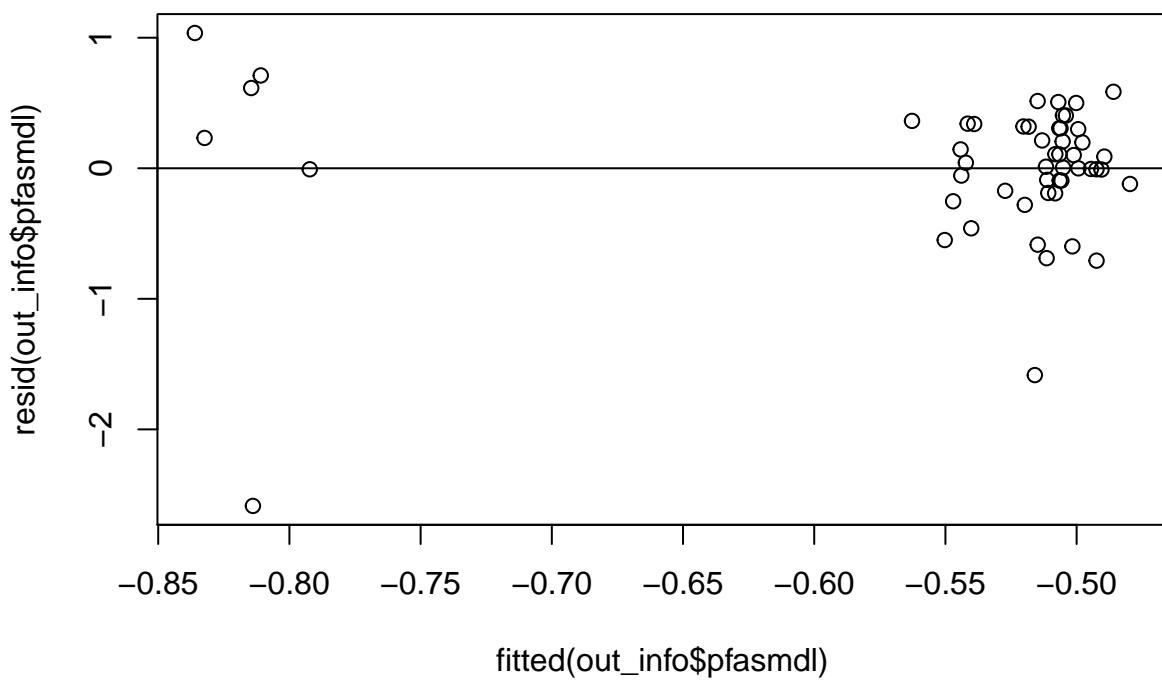
**Normal Q-Q Plot**



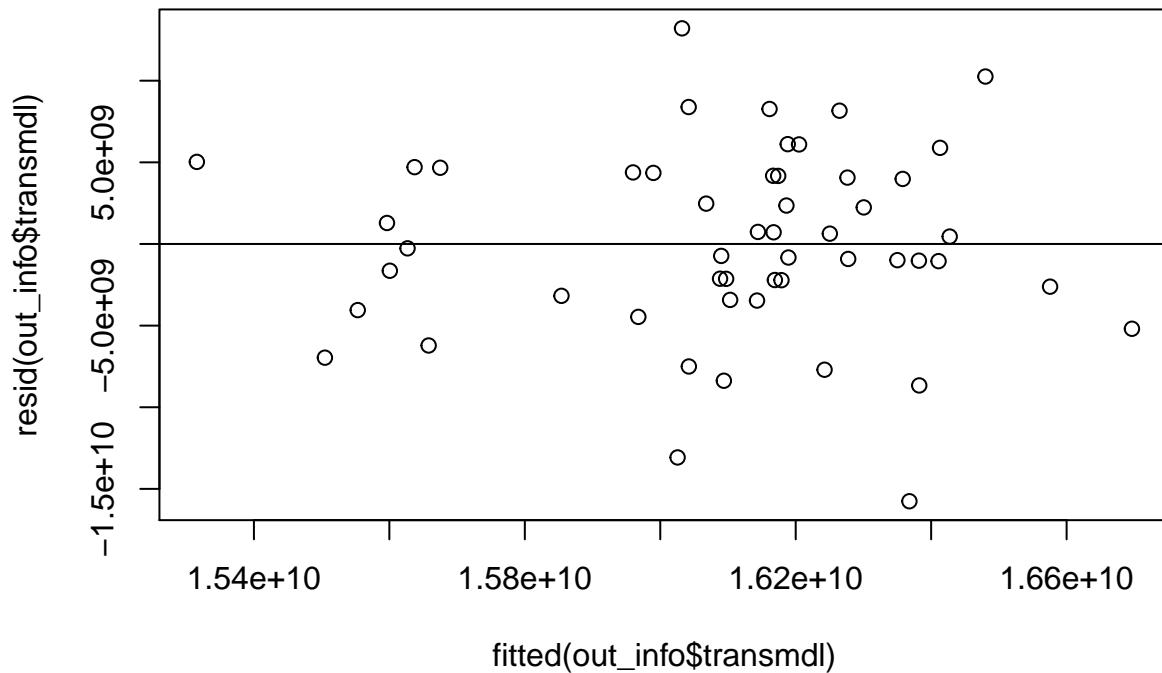
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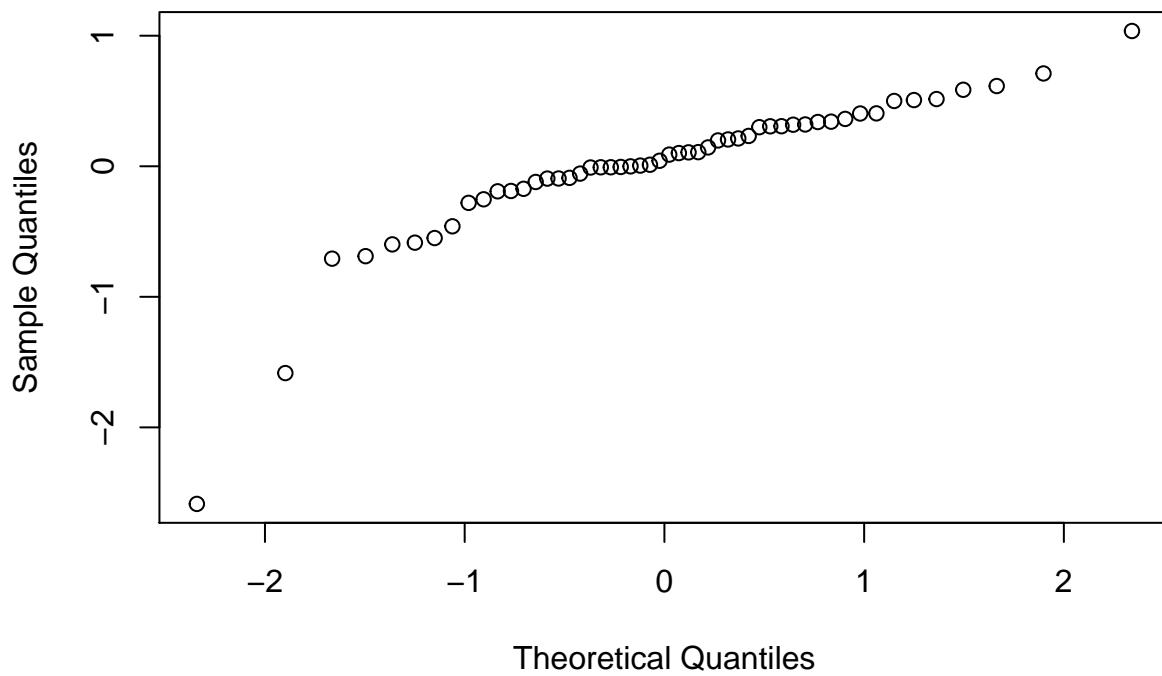
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Plot of fnPFOAorigstr.duration.hrs  
Plot of fnPFOAorigEthnicity**



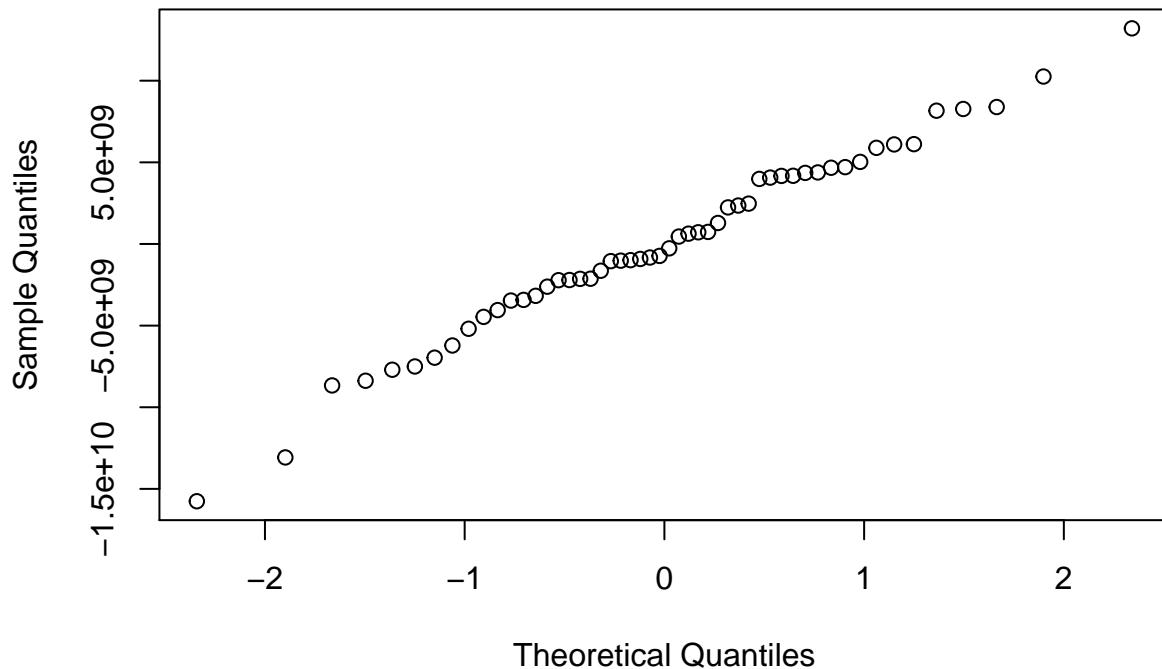
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Plot of fnPFOAtransEthnicity**



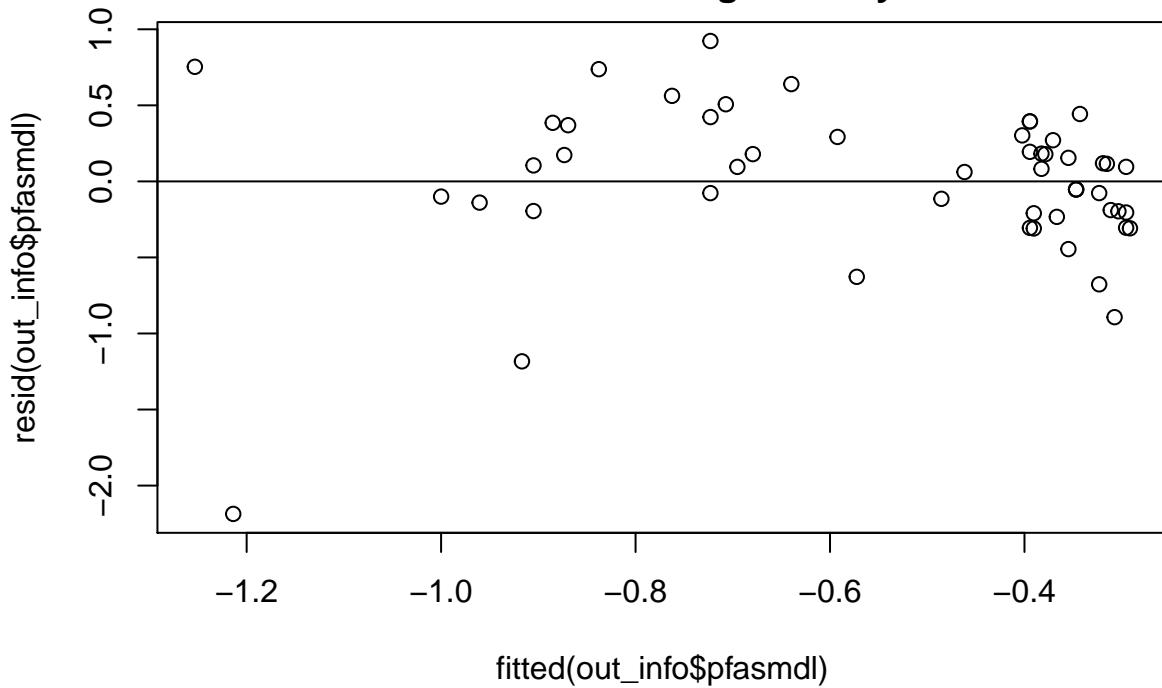
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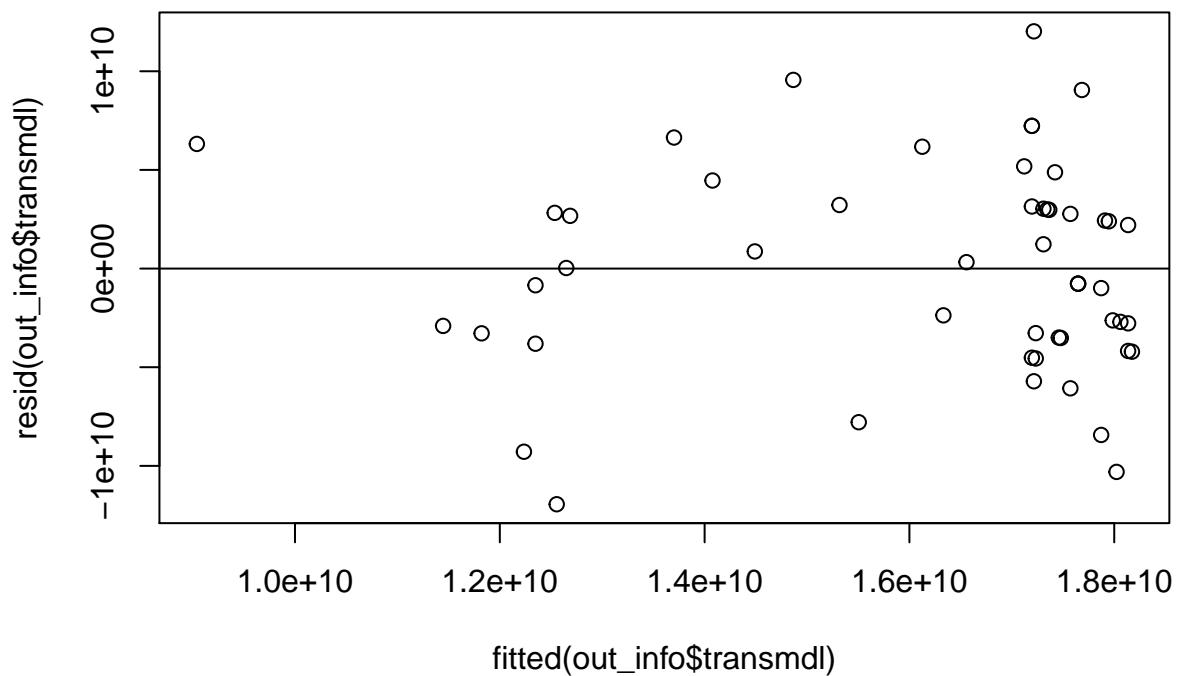
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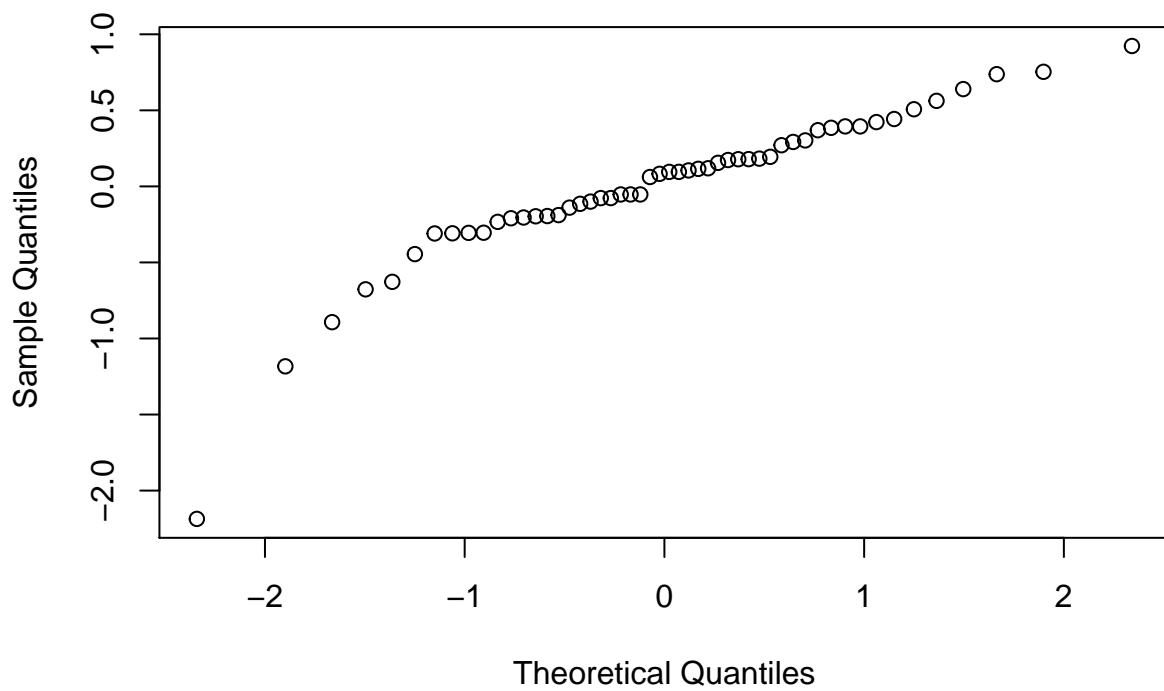
**Plot of fnPFOAorig+**  
**Plot of fnPFOAorigdays.since.MRF**  
**Plot of fnPFOAorigEthnicity**



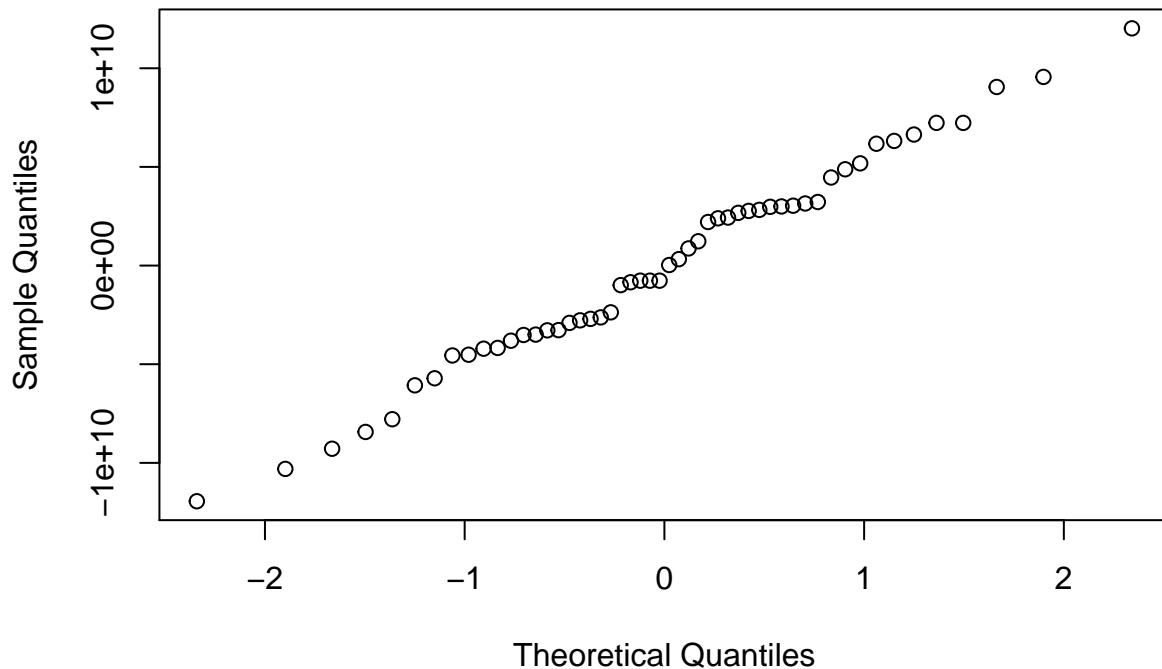
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.MRF  
Plot of fnPFOAtransEthnicity**



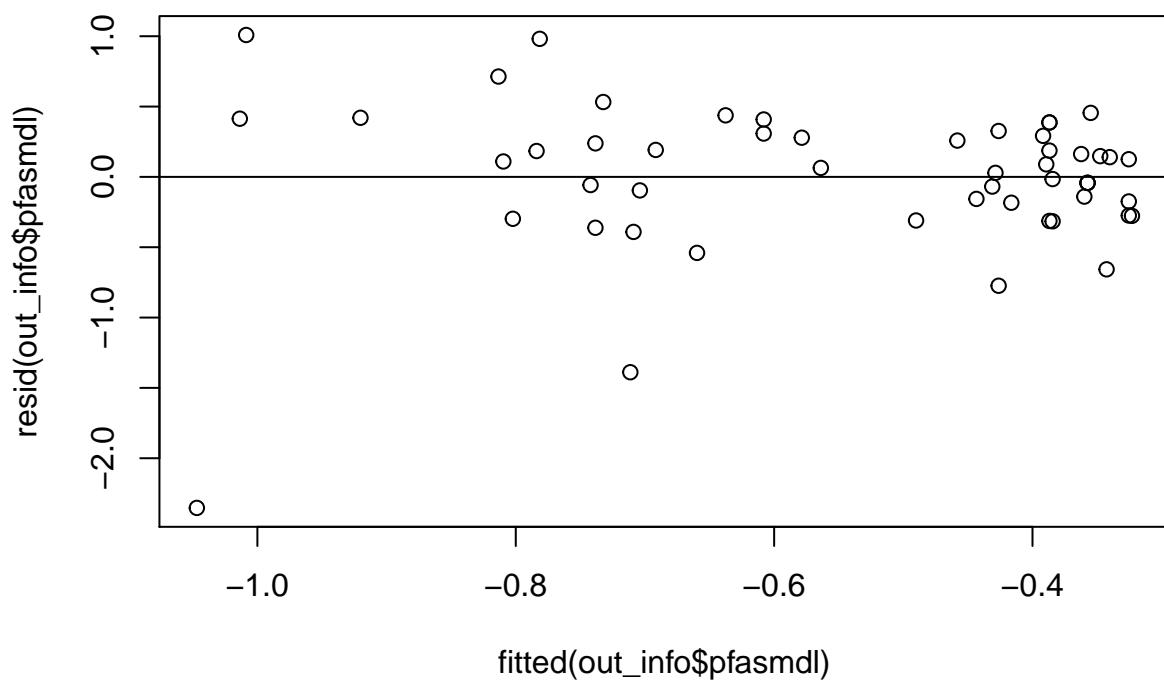
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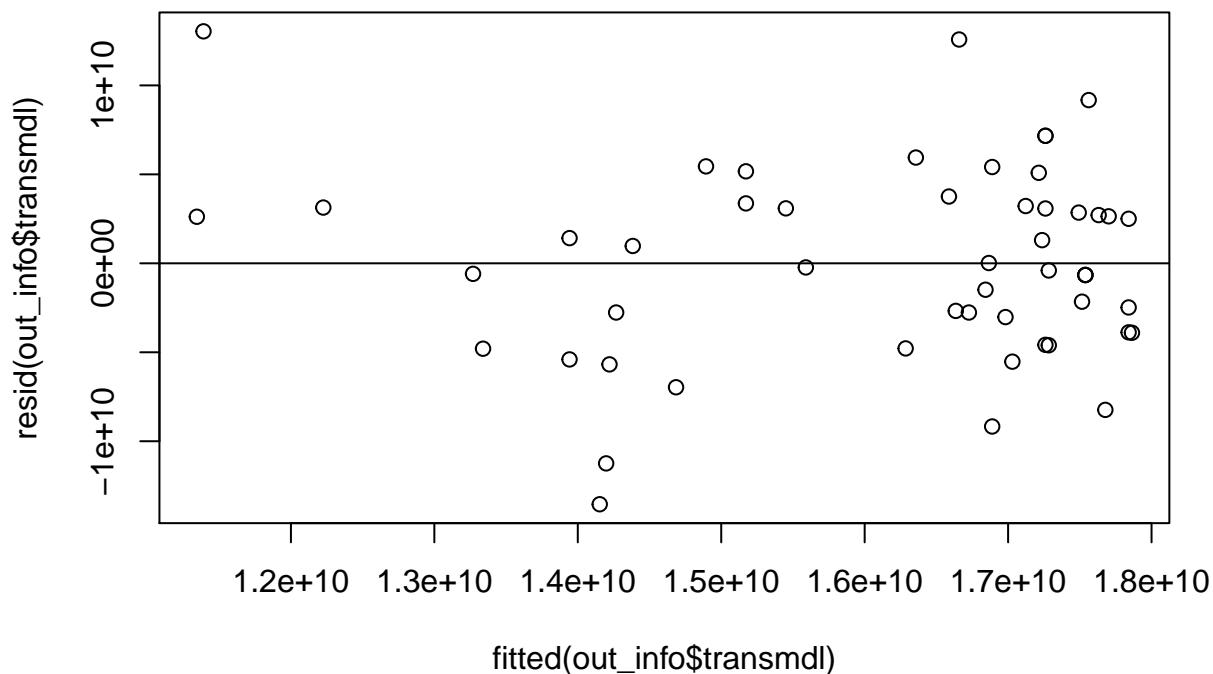
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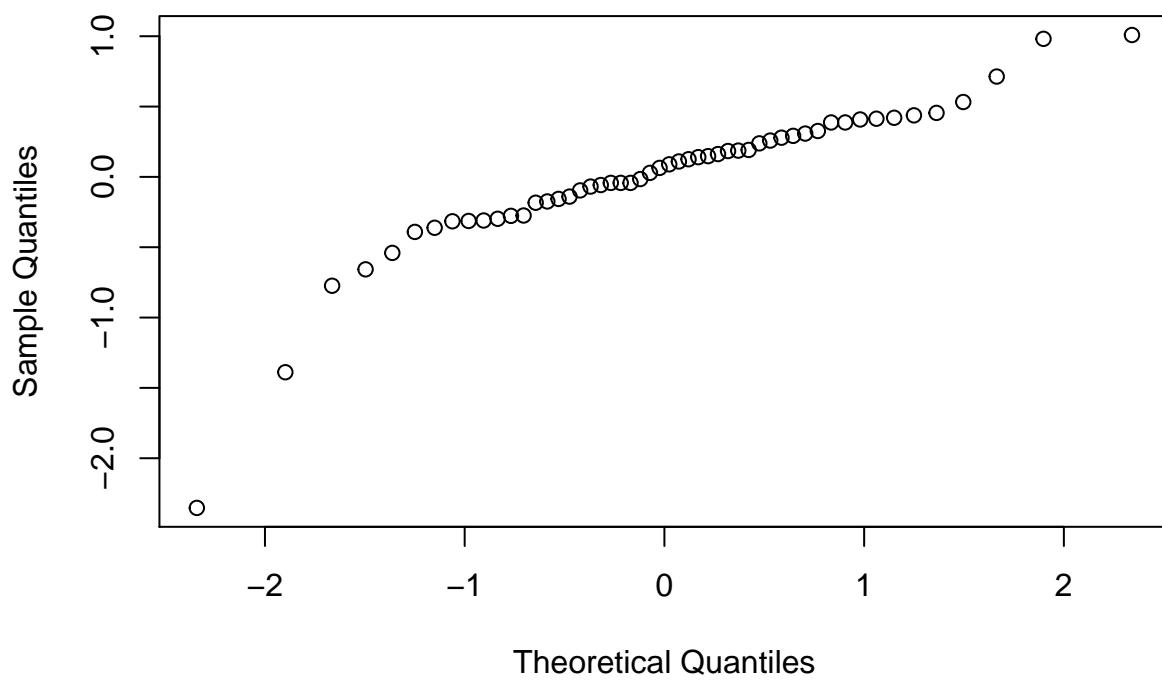
**Plot of fnPFOAorig+**  
**Plot of fnPFOAorigdays.since.struc.MRF**  
**Plot of fnPFOAorigEthnicity**



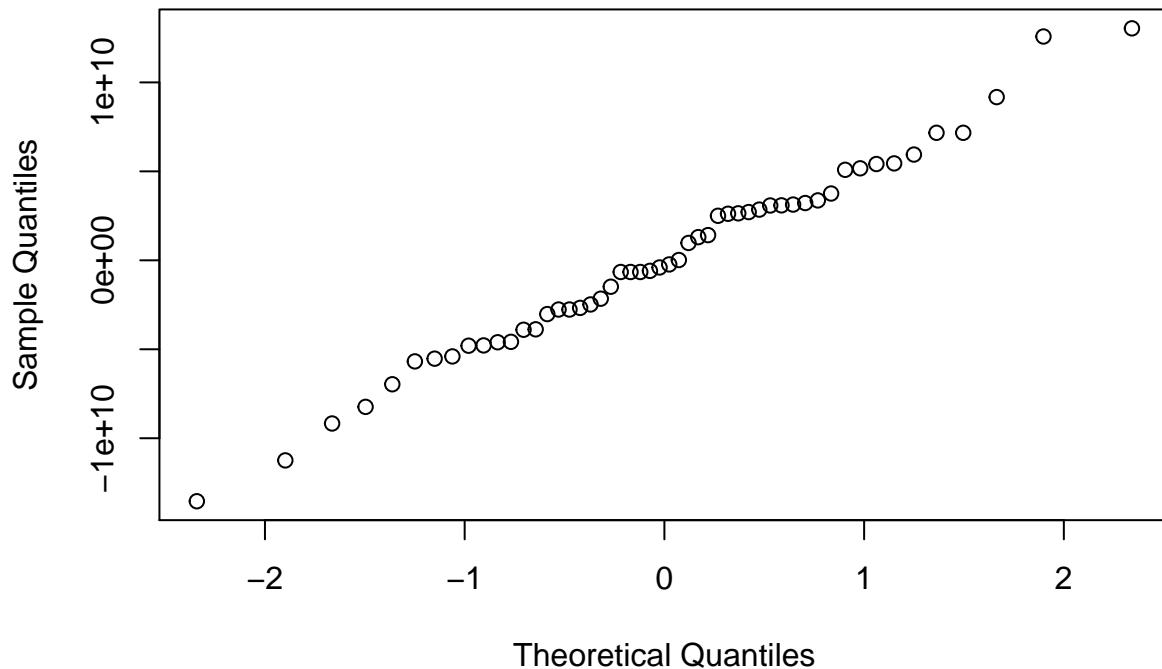
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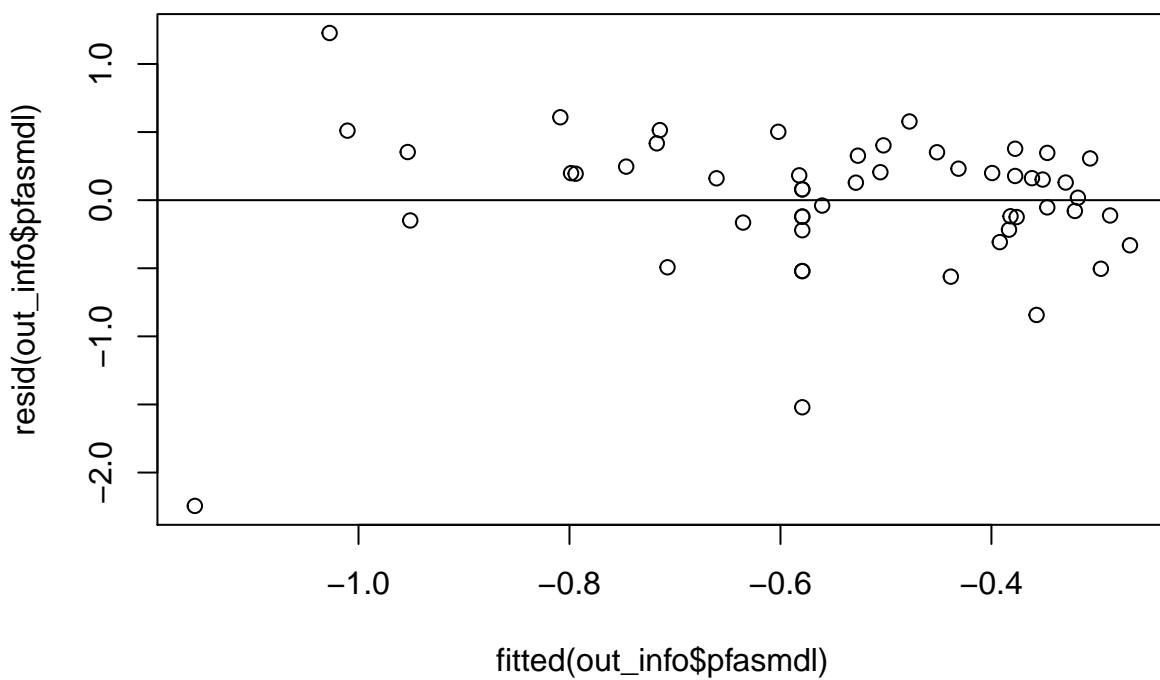
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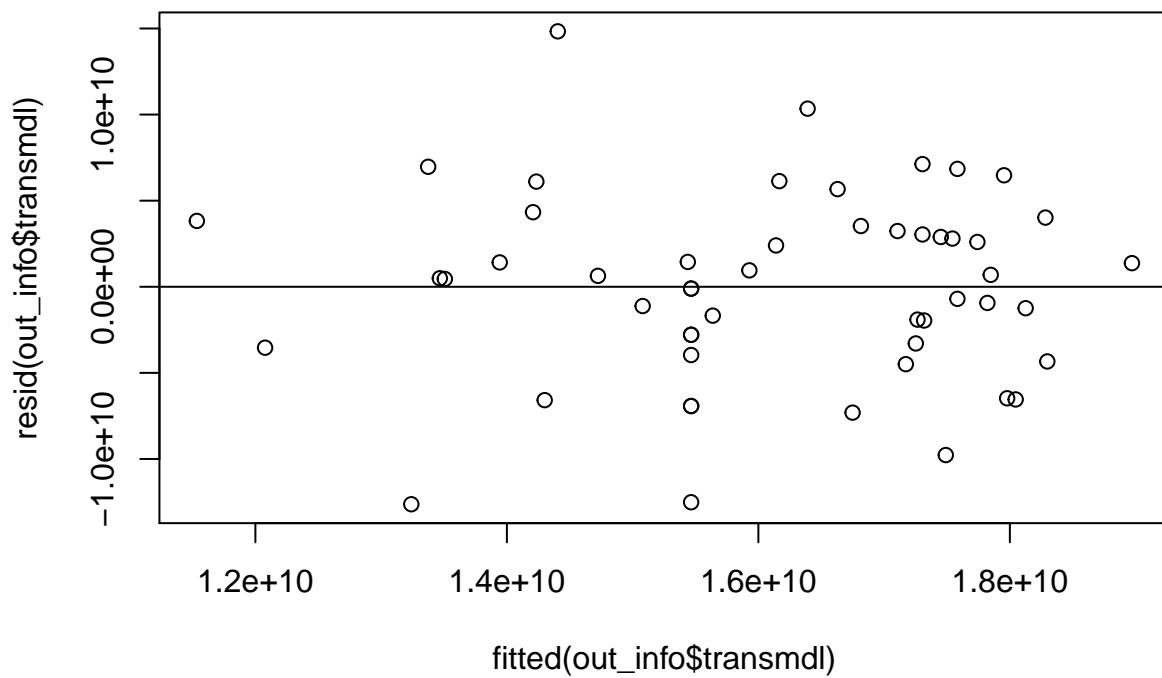
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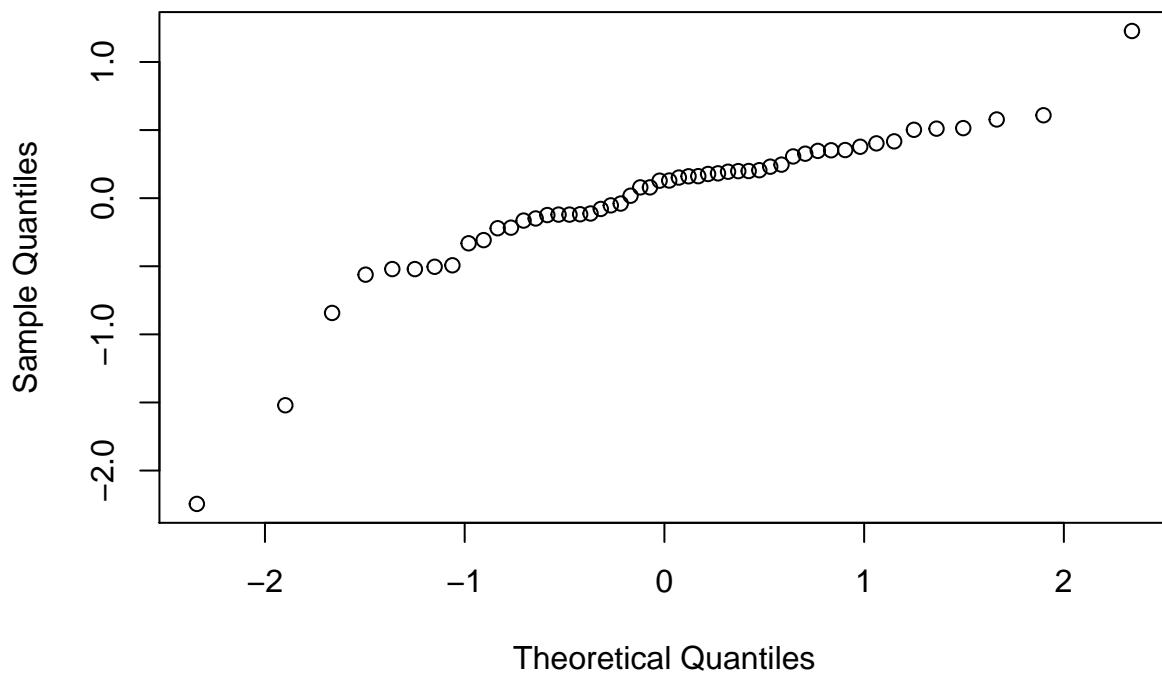
**Plot of nPFOAorig+**  
**Plot of nPFOAorigtime.since.baseline**  
**Plot of nPFOAorigEthnicity**



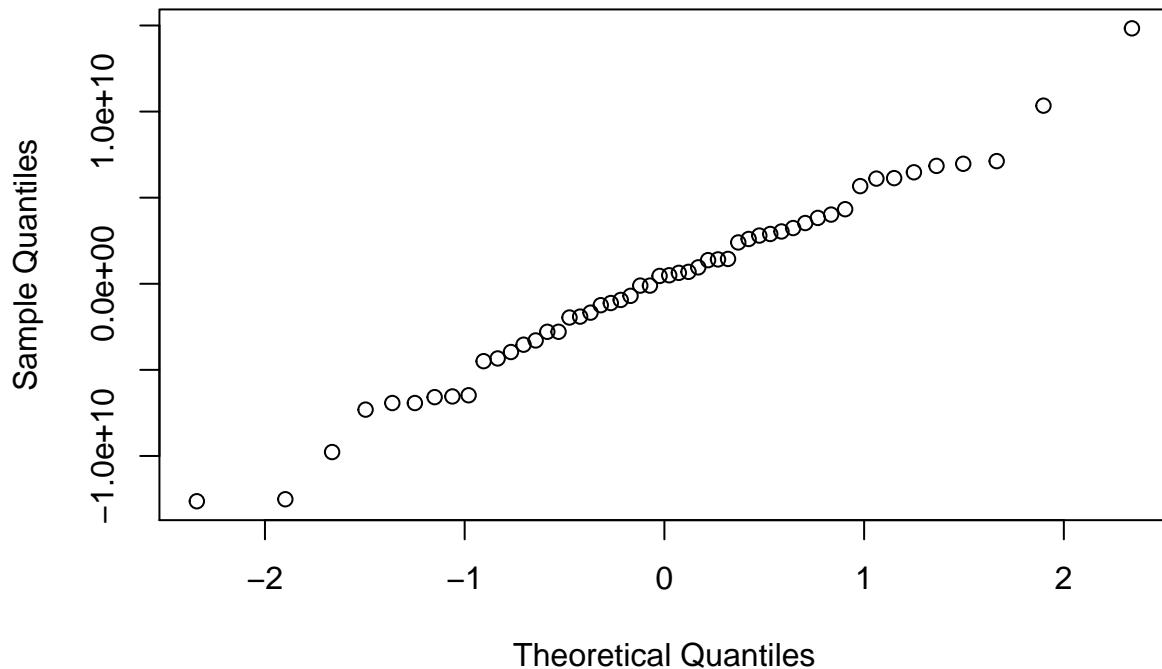
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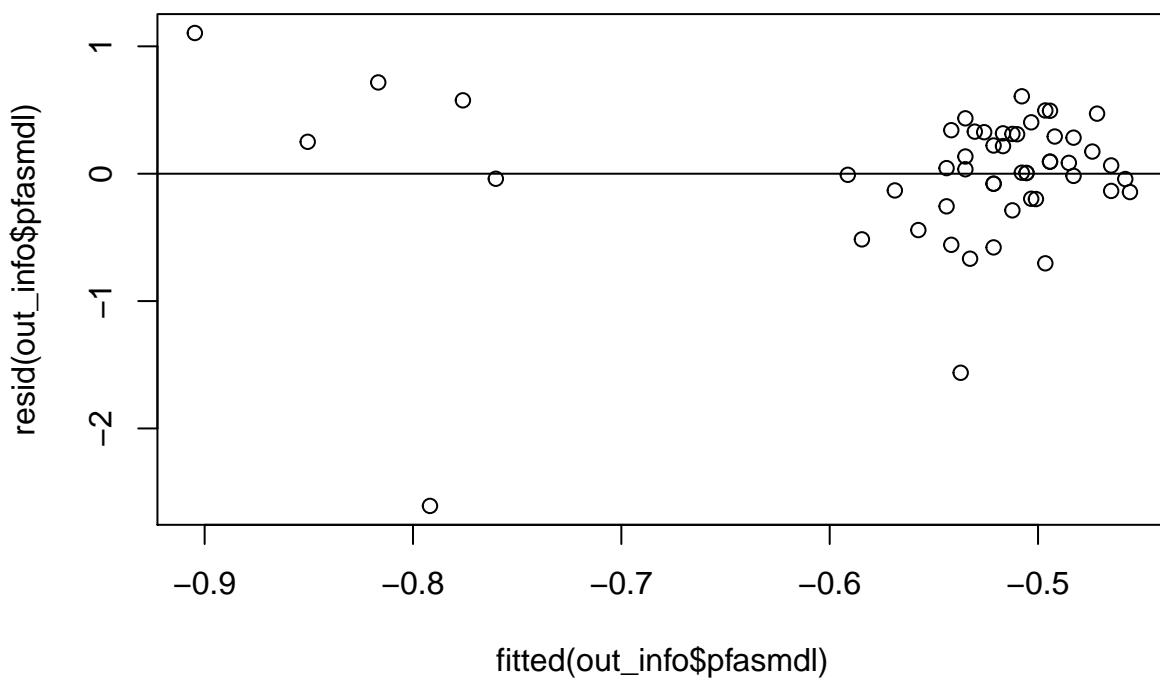
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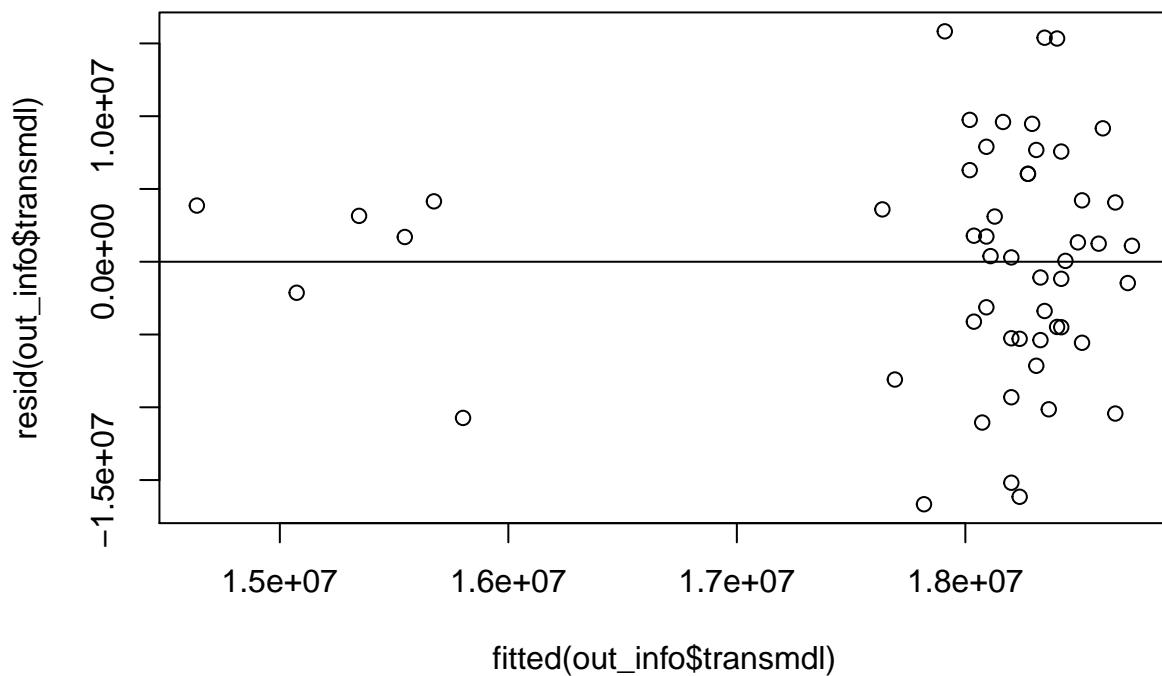
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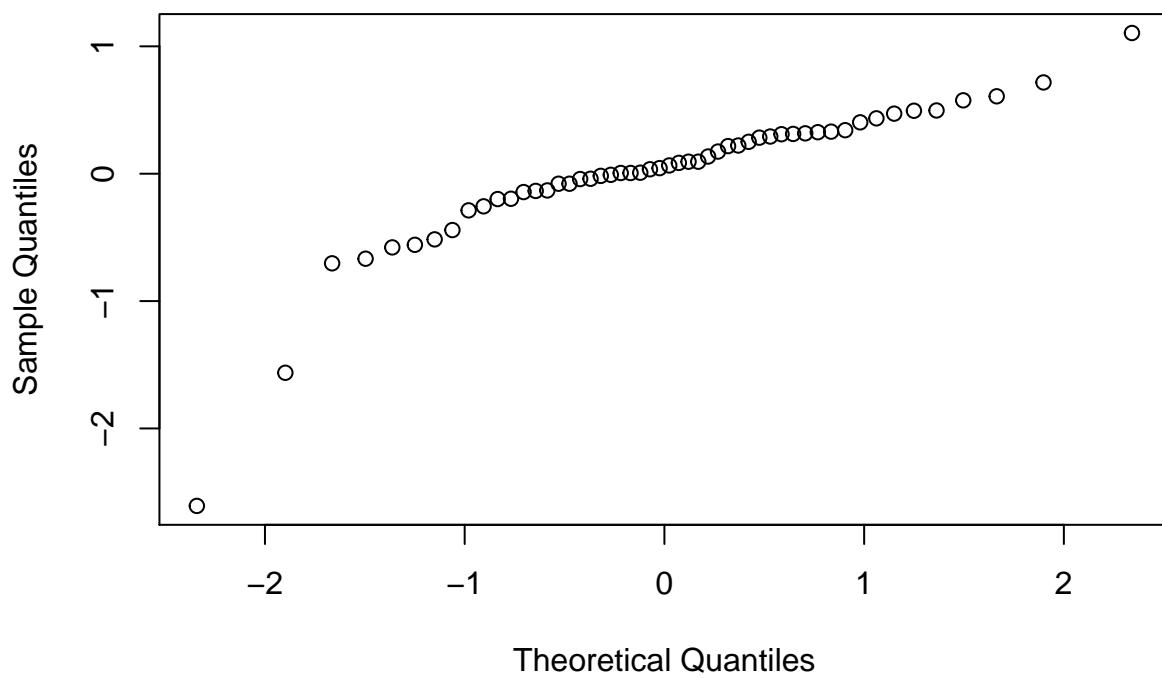
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Plot of nPFOAorigEthnicity**



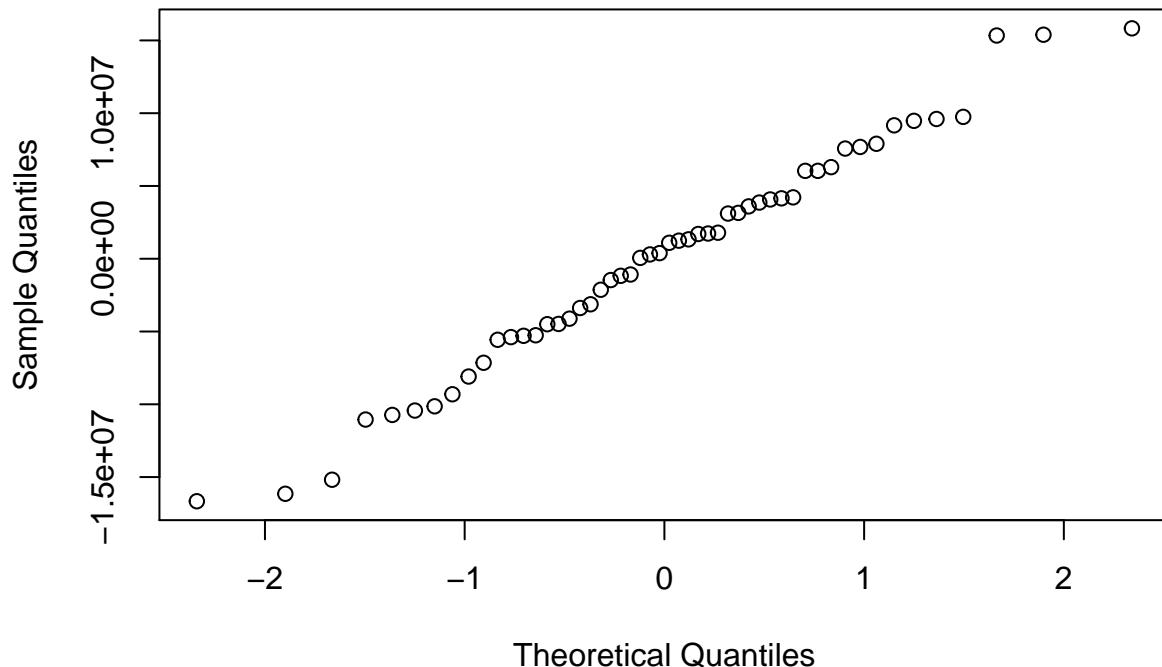
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Plot of fnPFOStransEthnicity**



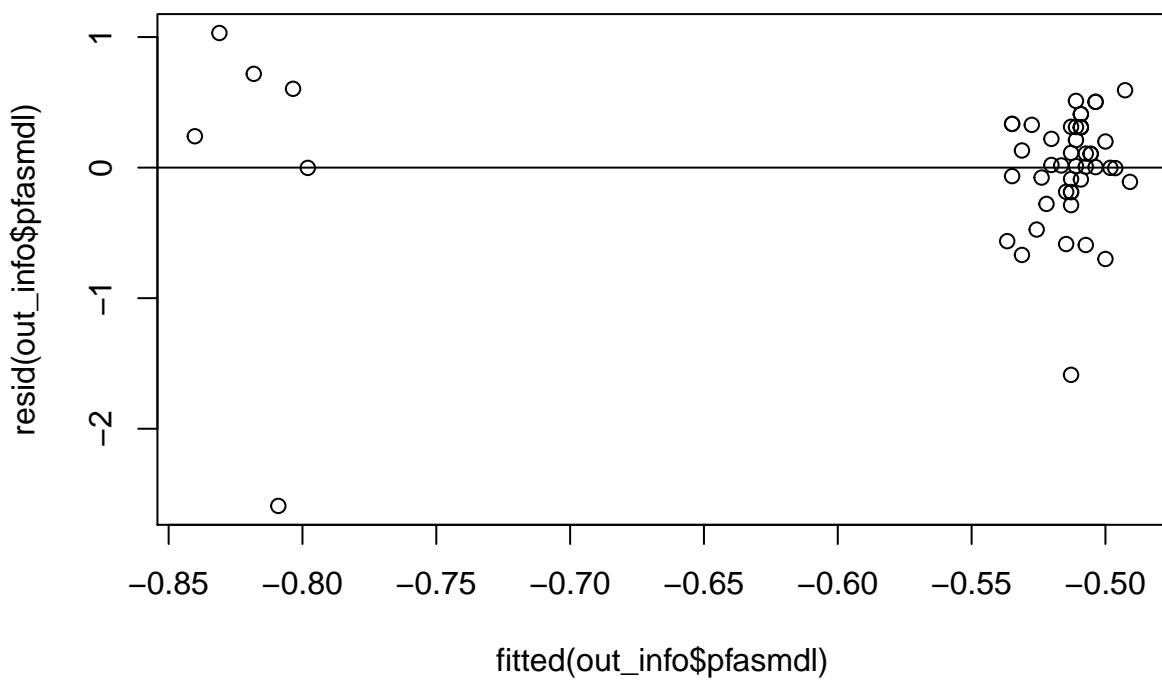
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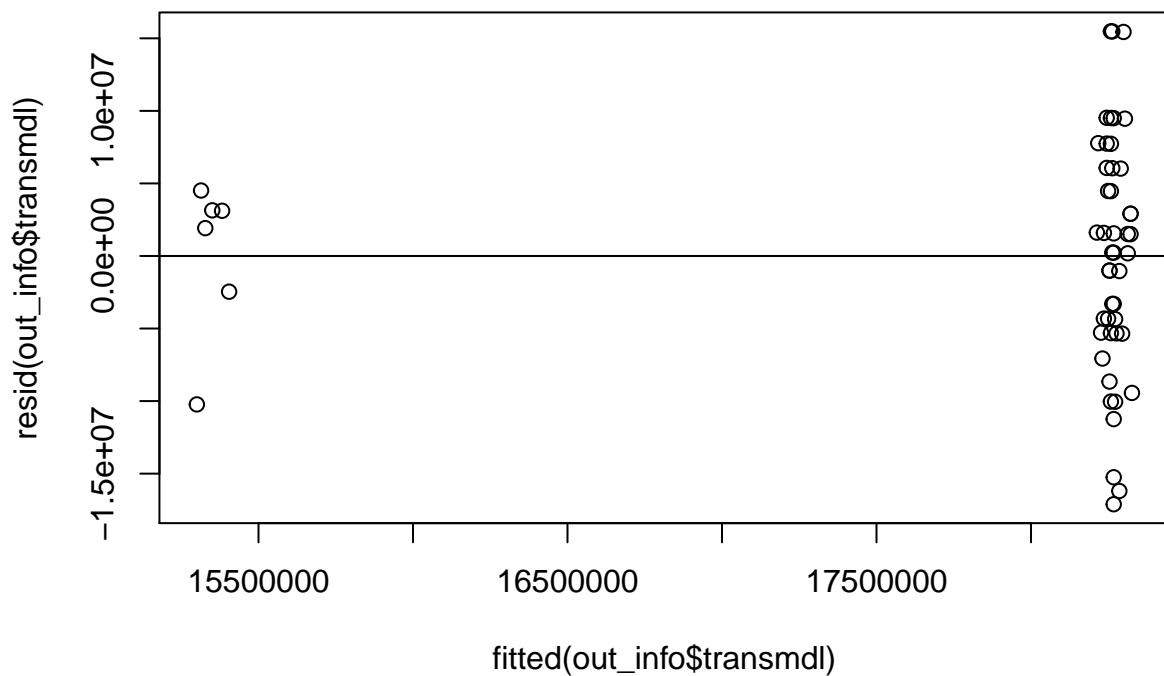
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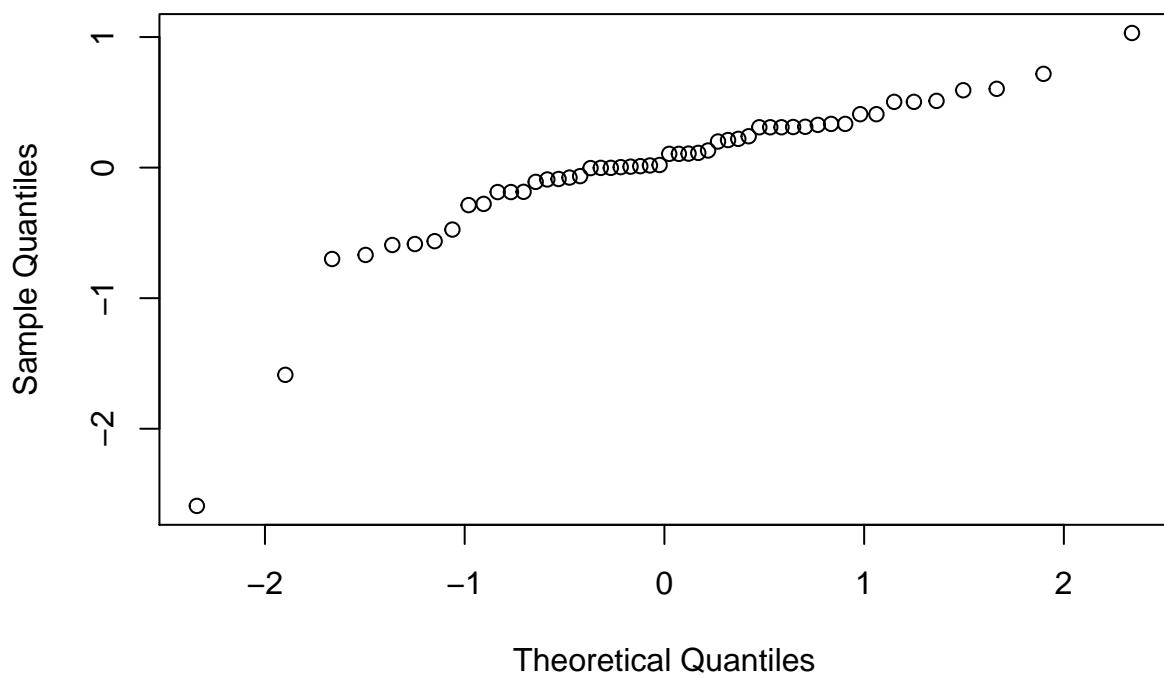
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Plot of nPFOAorigEthnicity**



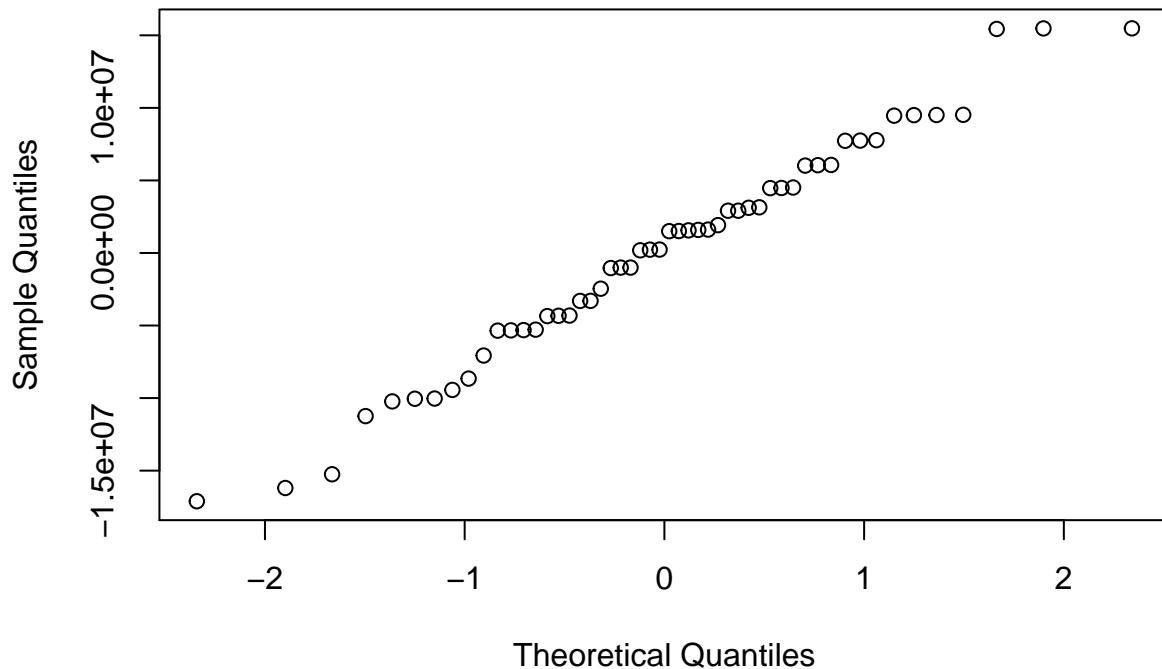
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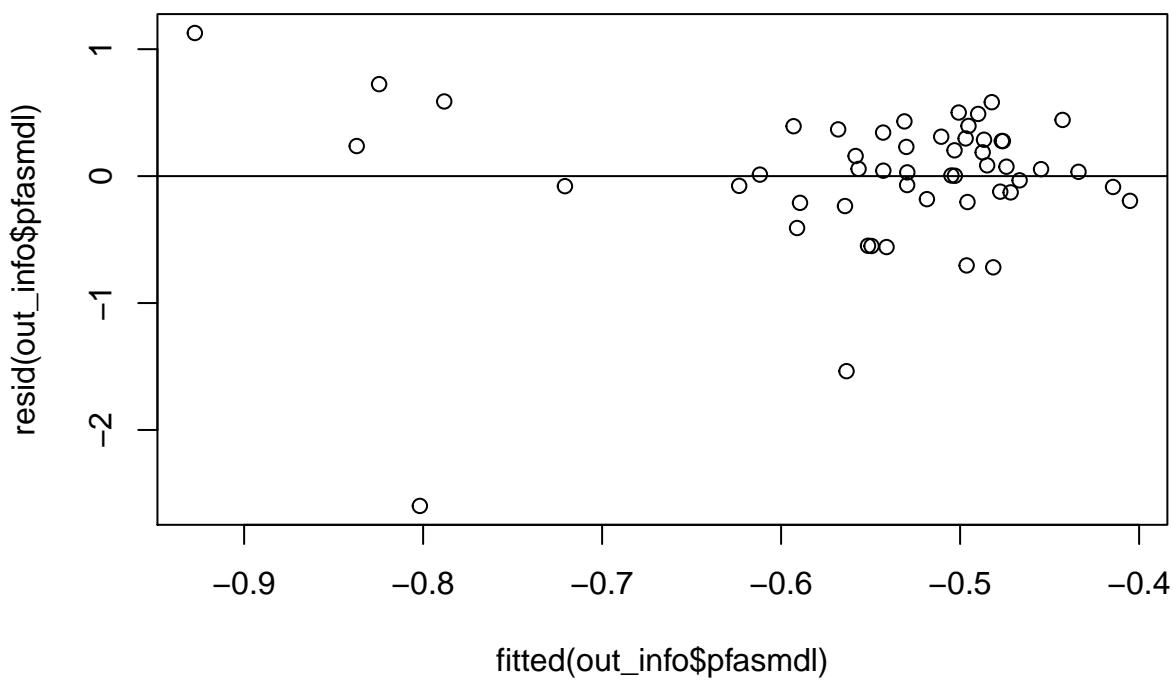
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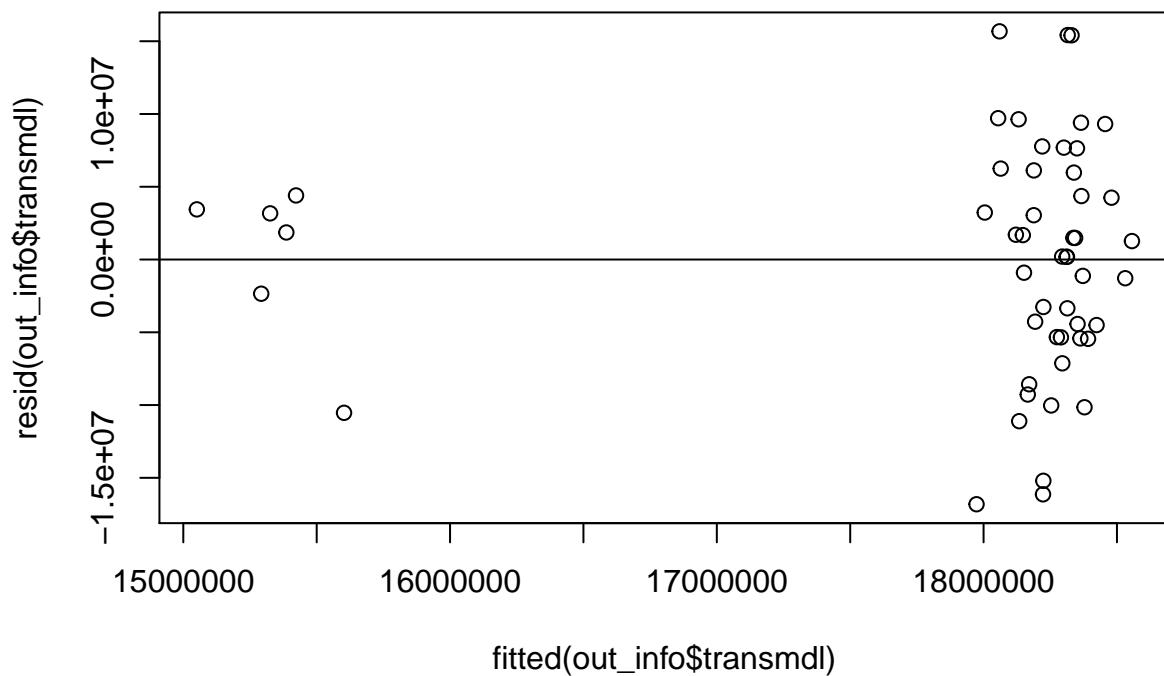
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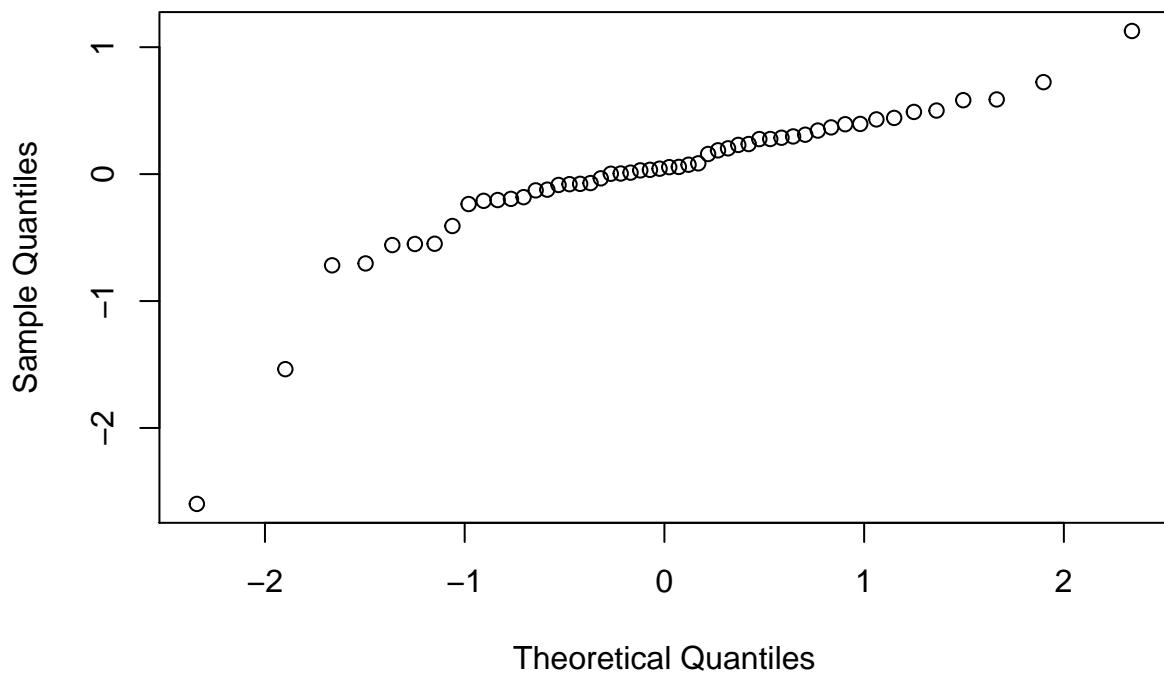
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Plot of nPFOAorigEthnicity**



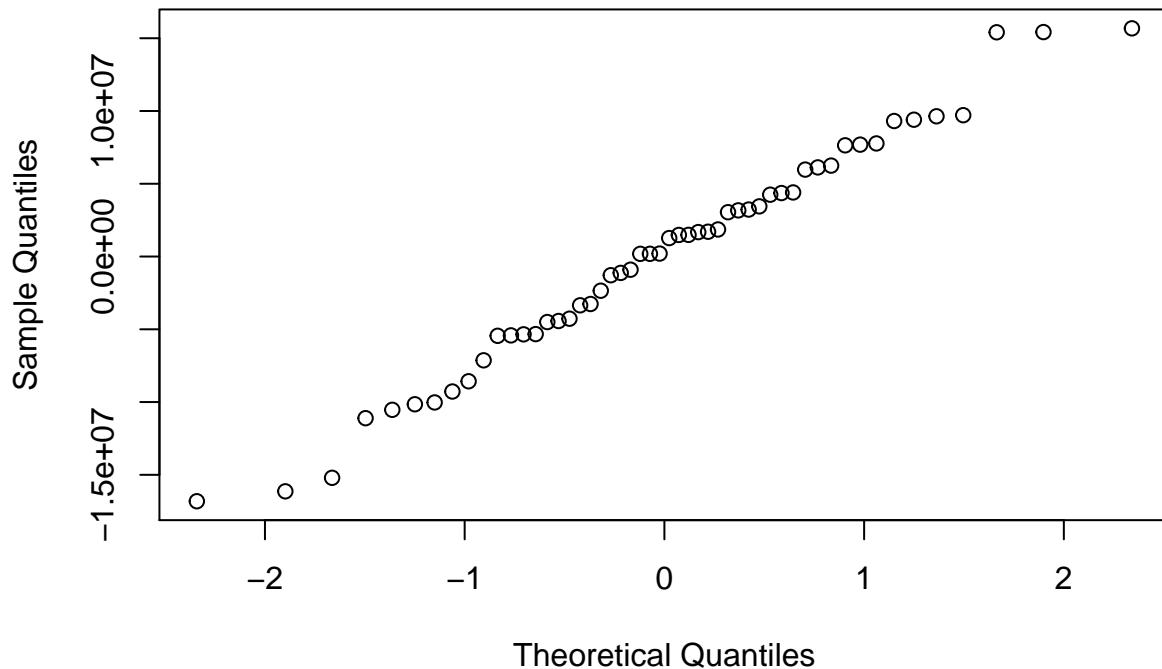
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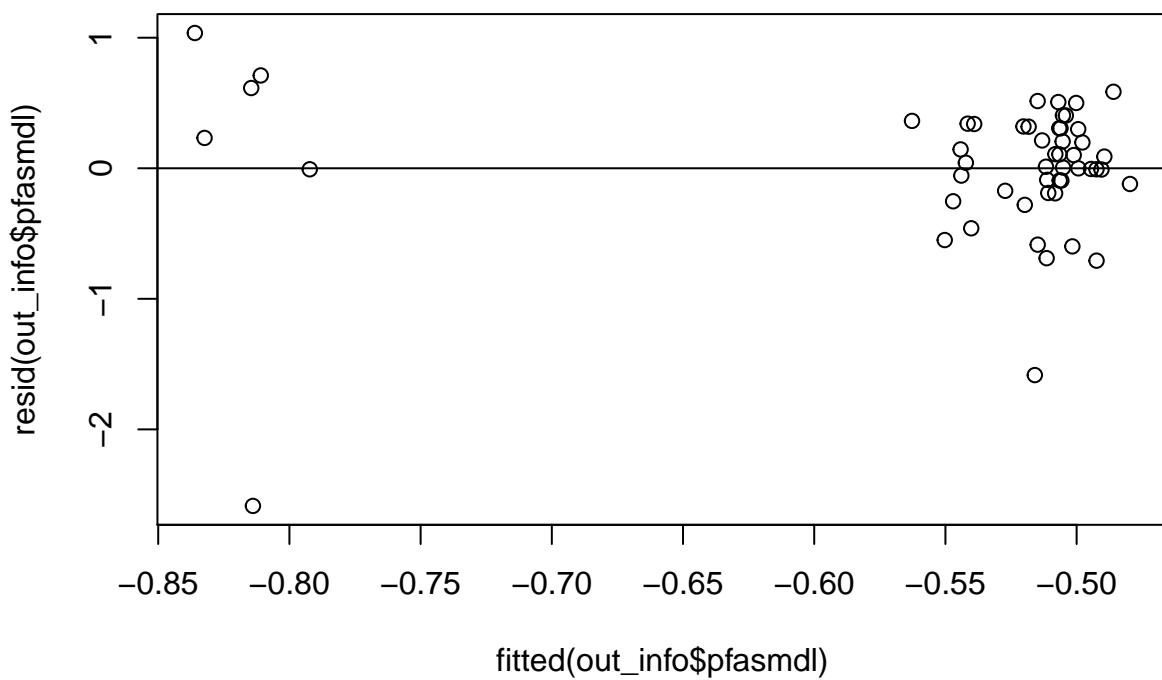
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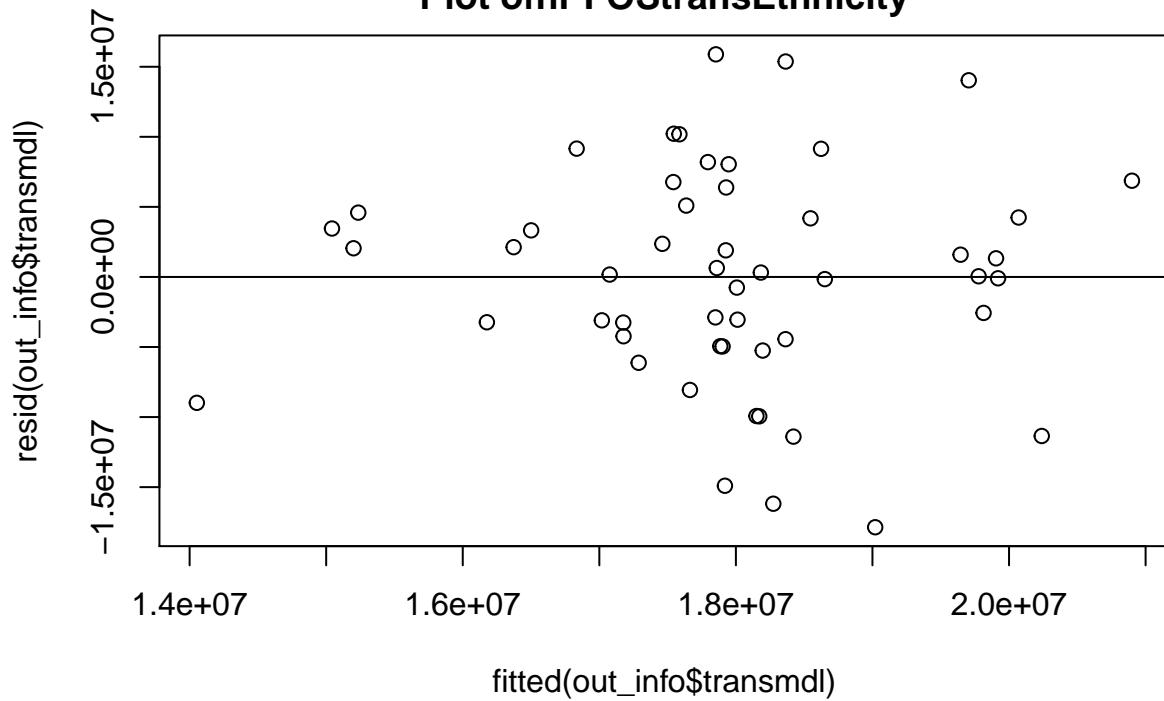
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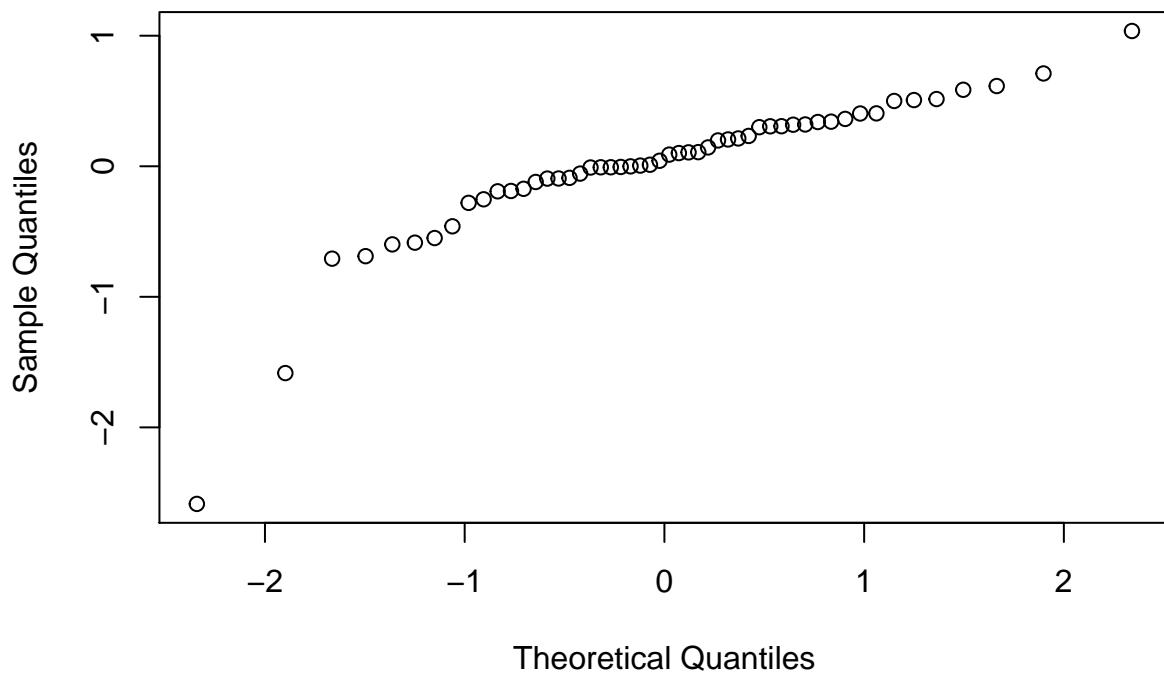
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Plot of nPFOAorigEthnicity**



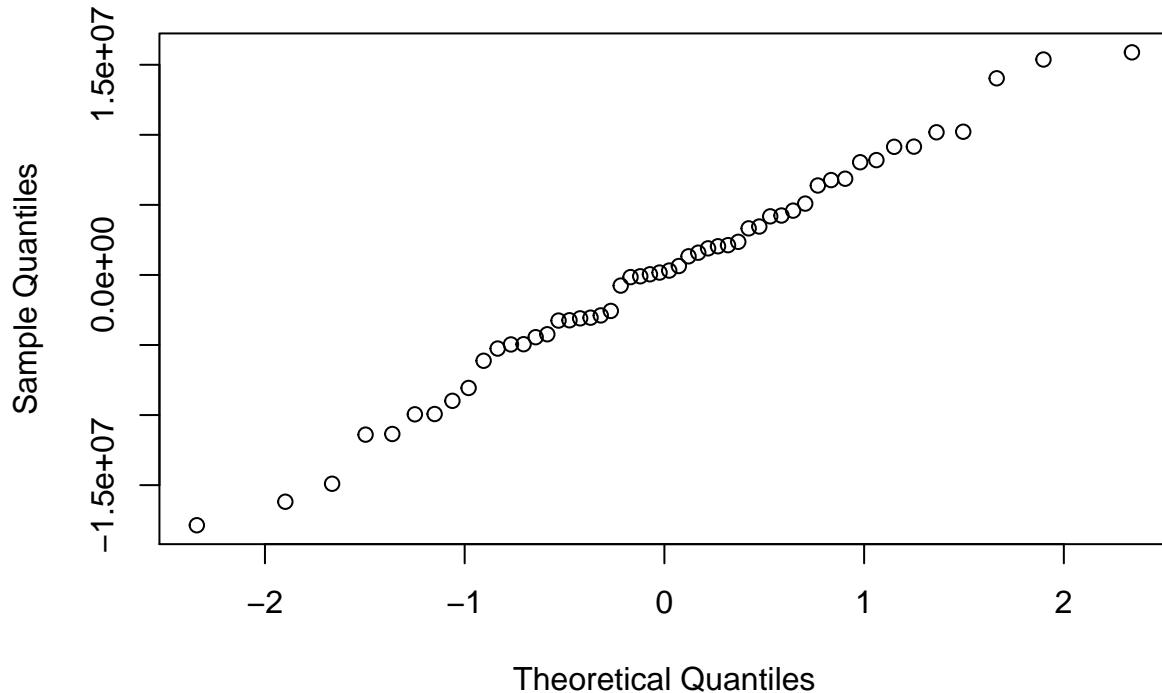
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Plot of nPFOStransEthnicity**



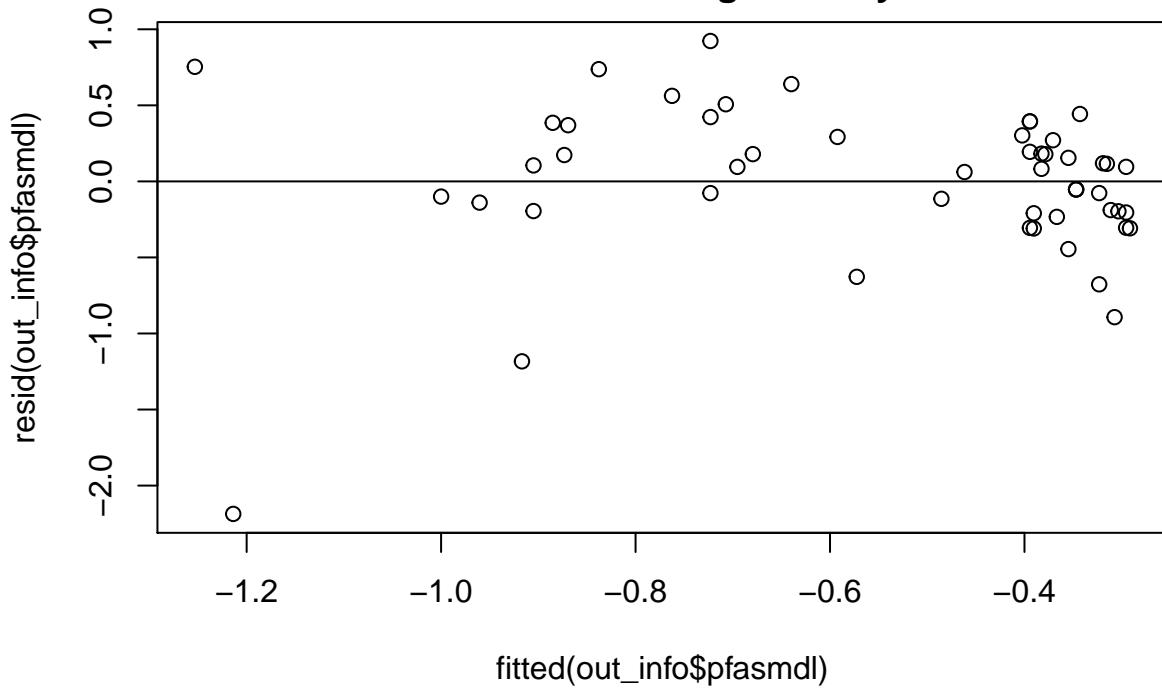
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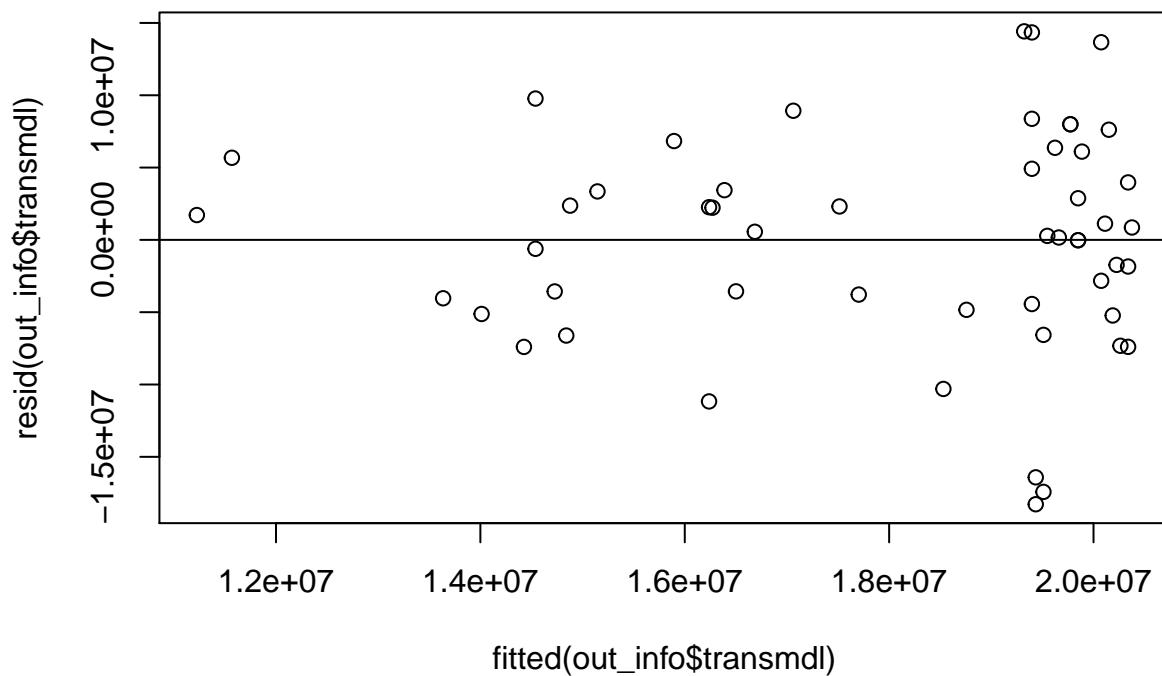
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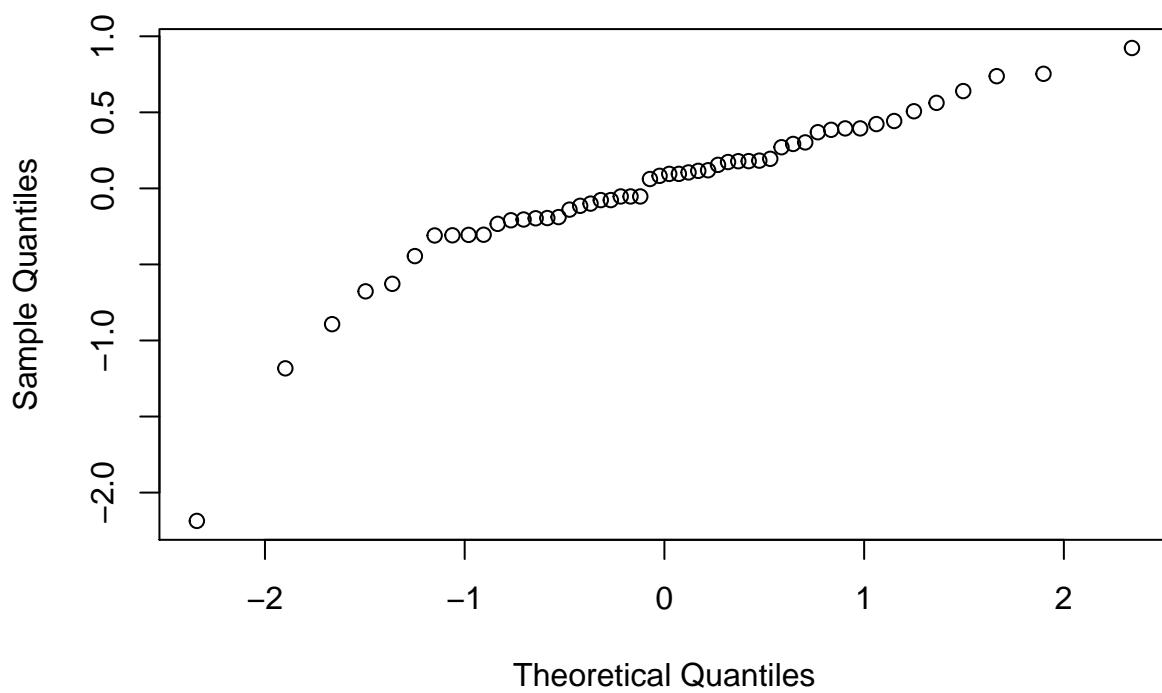
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**Plot of nPFOAorigdays.since.MRF**  
**Plot of nPFOAorigEthnicity**



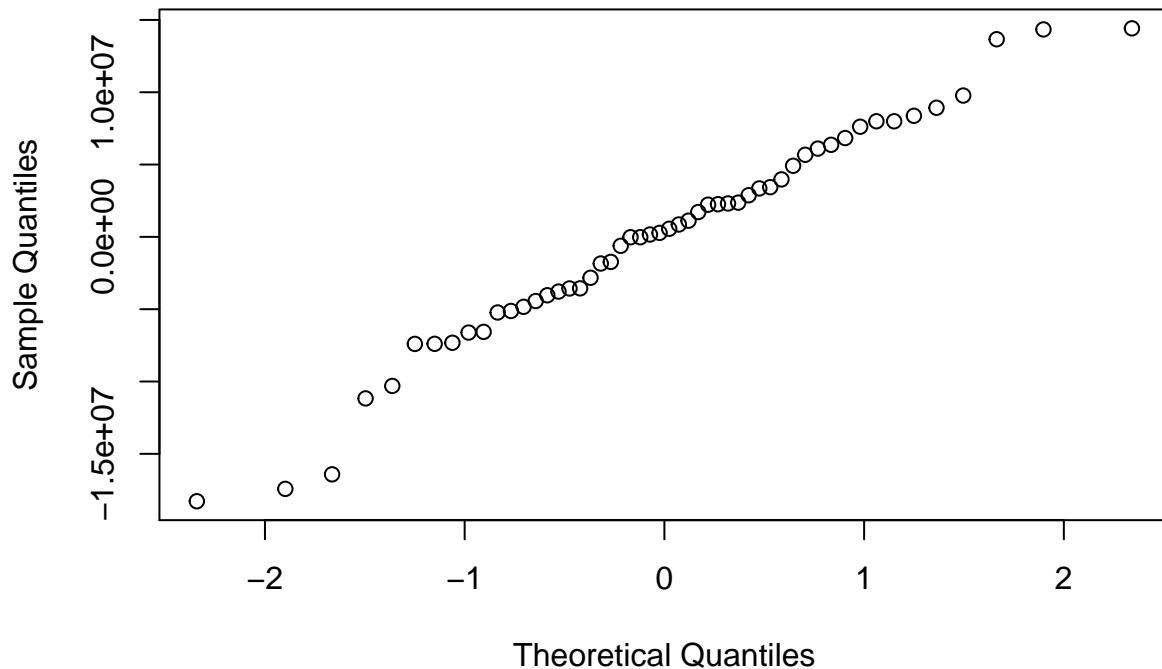
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Plot of fnPFOStransdays.since.MRF  
Plot of fnPFOStransEthnicity**



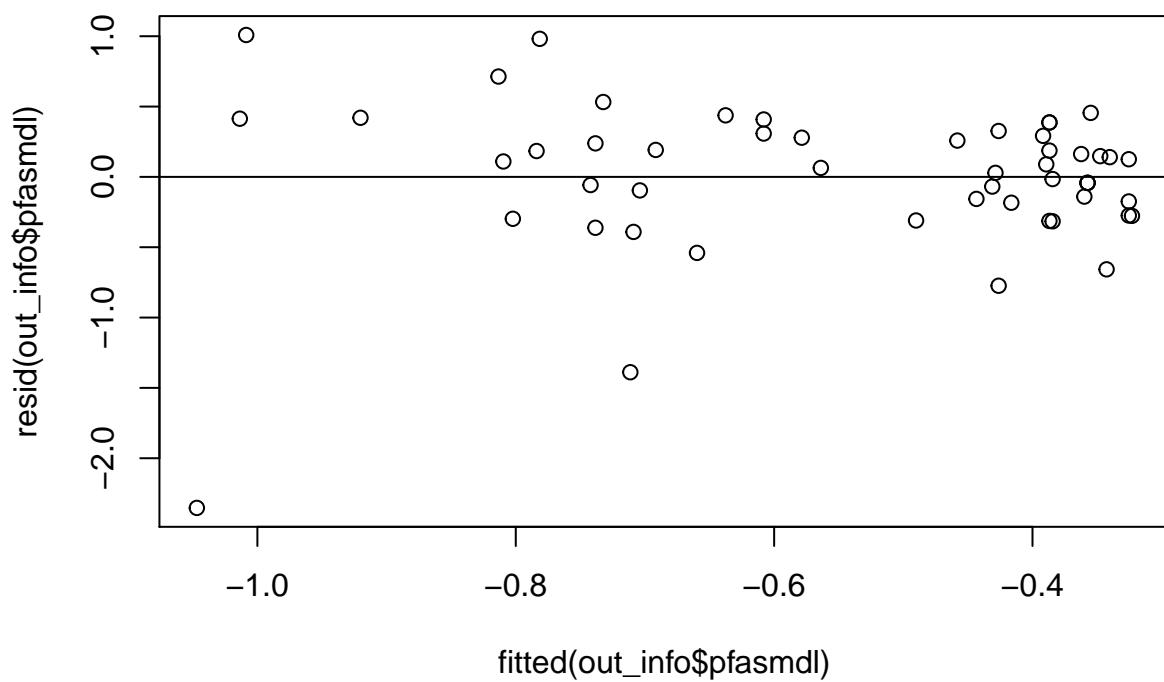
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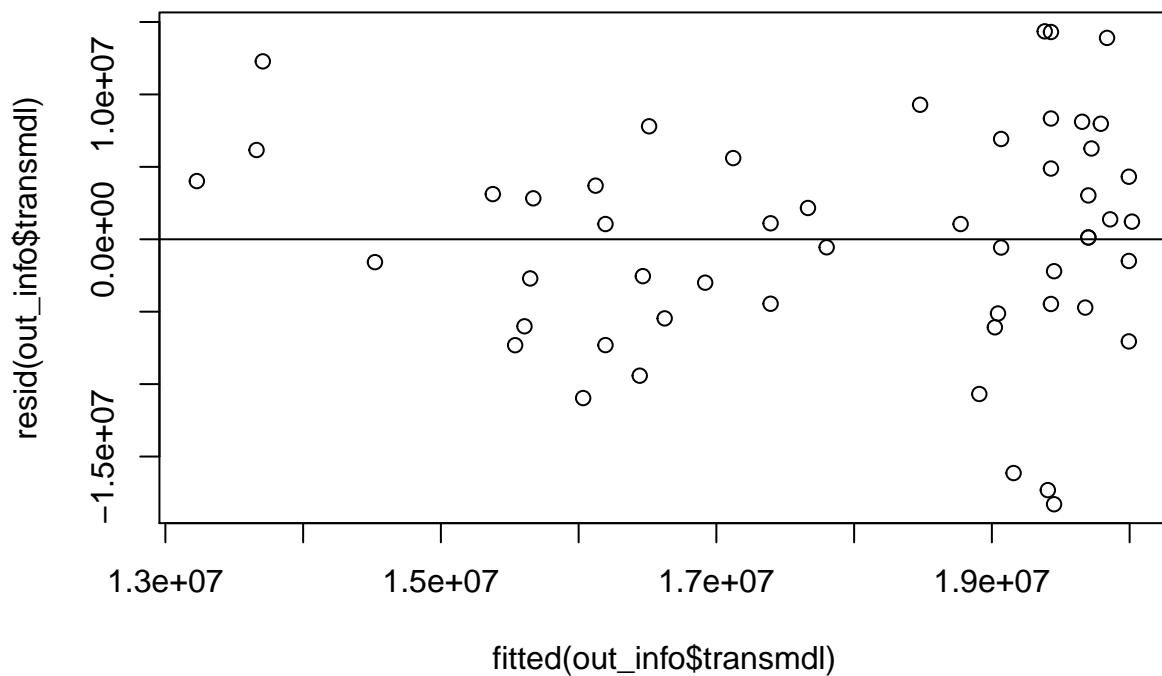
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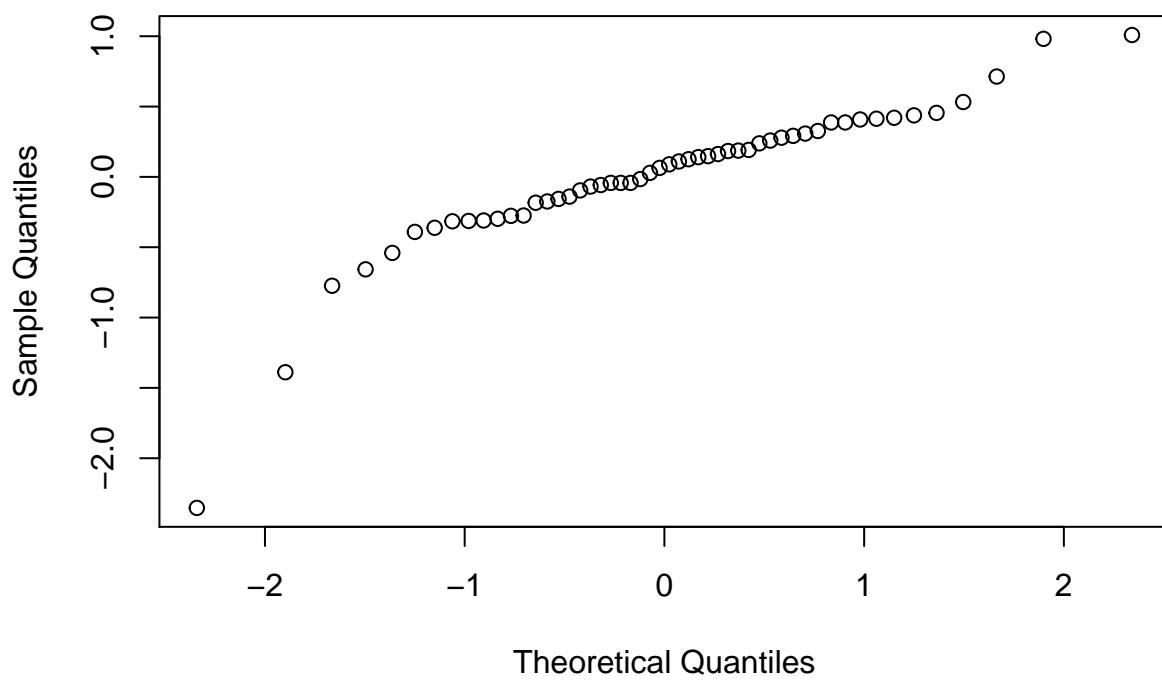
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**Plot of fnPFOAorigdays.since.struc.MRF**  
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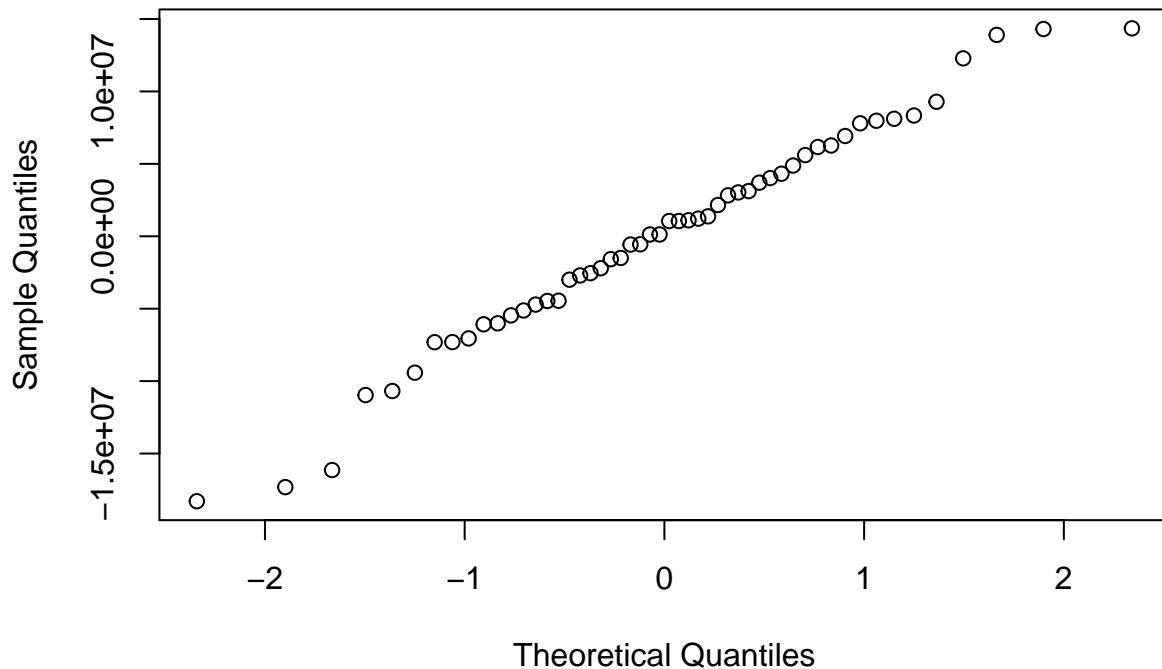
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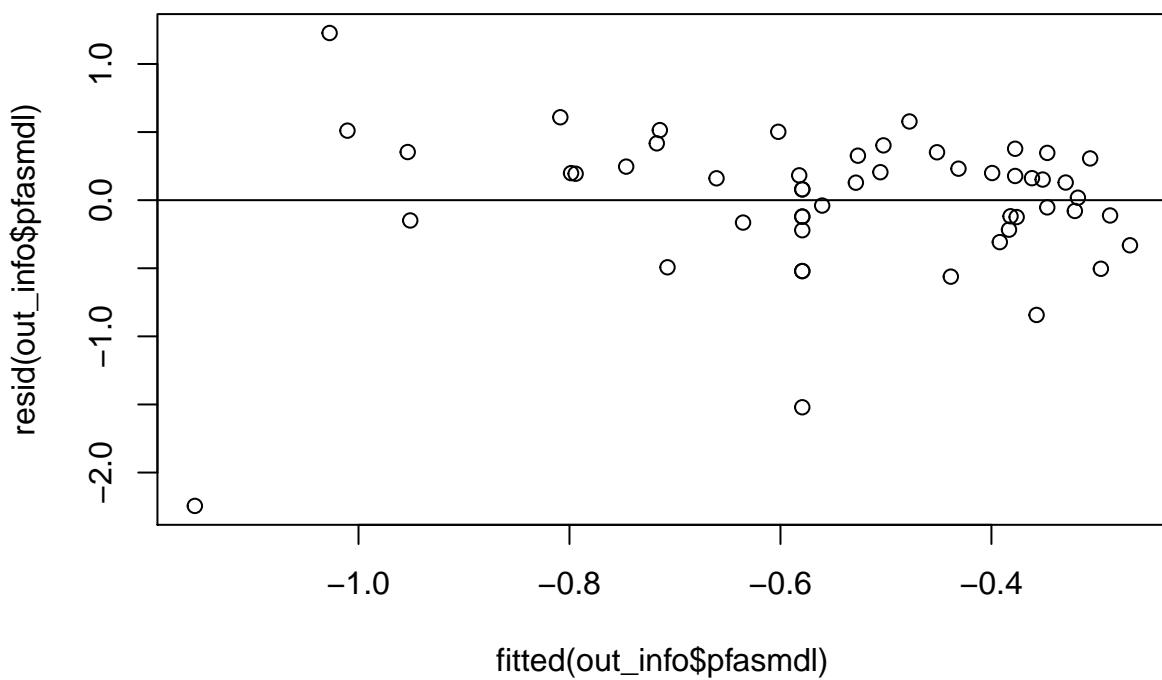
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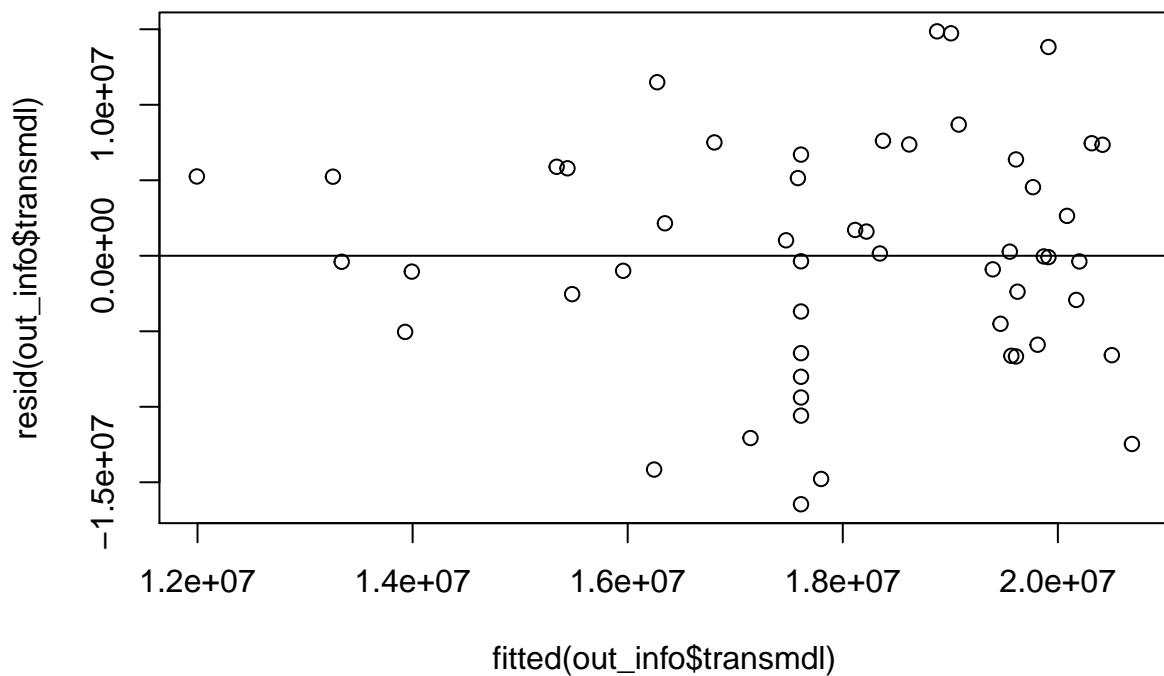
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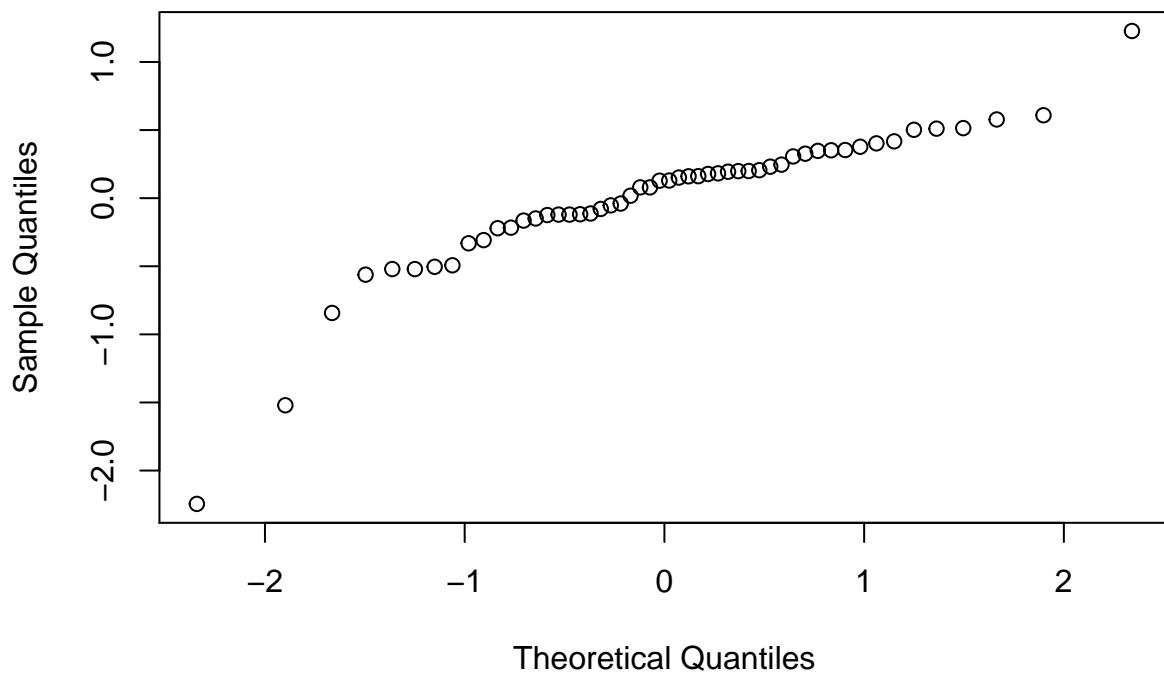
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**Plot of nPFOAorigtime.since.baseline**  
**Plot of nPFOAorigEthnicity**



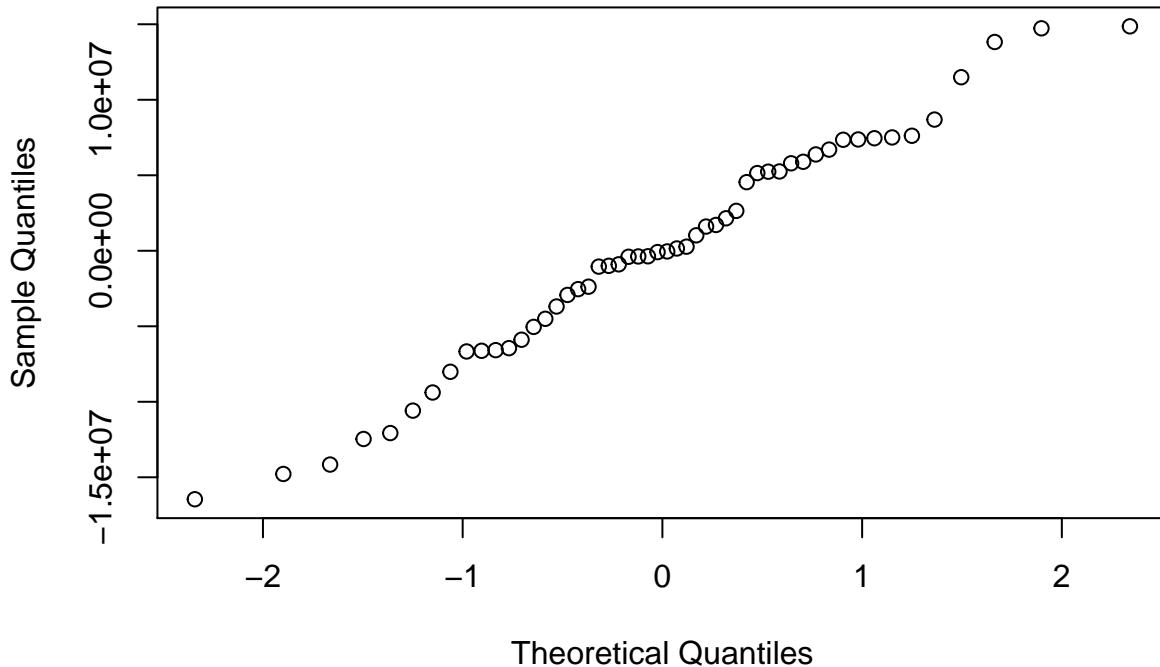
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Plot of nPFOStransEthnicity**



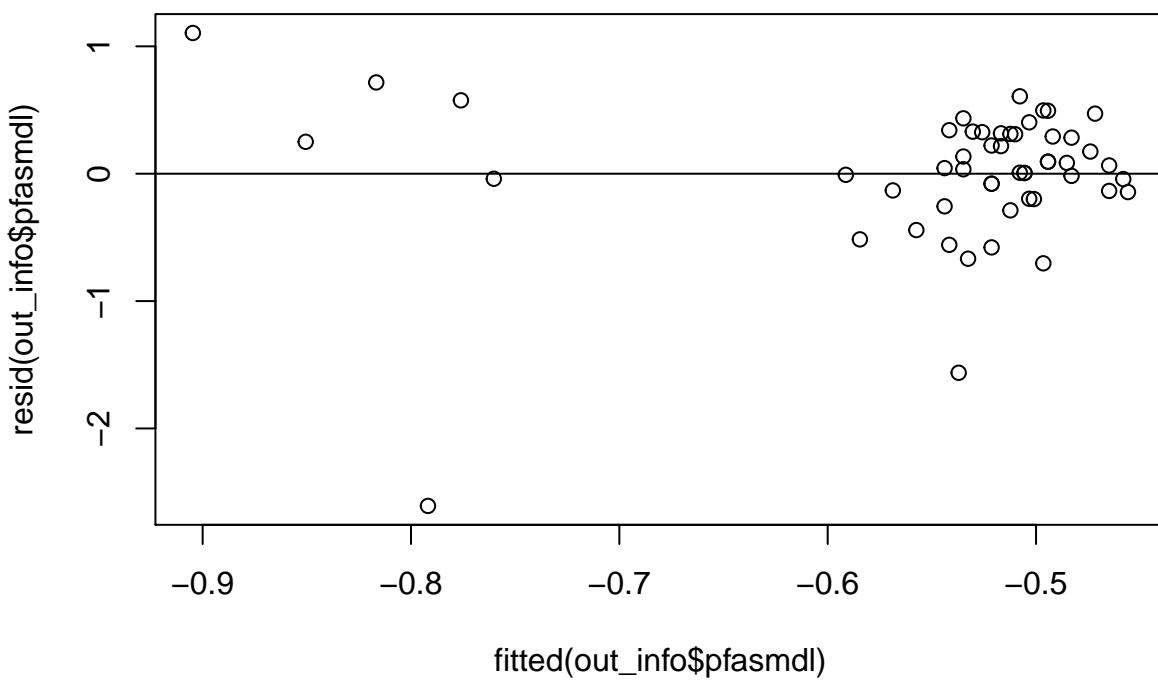
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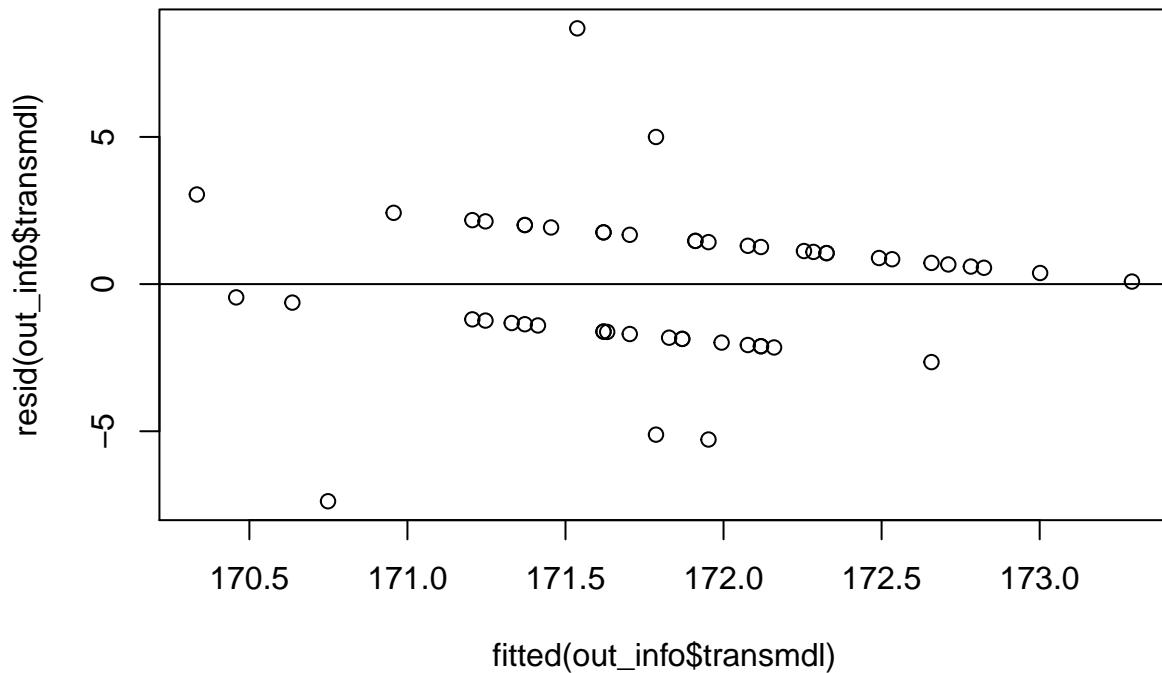
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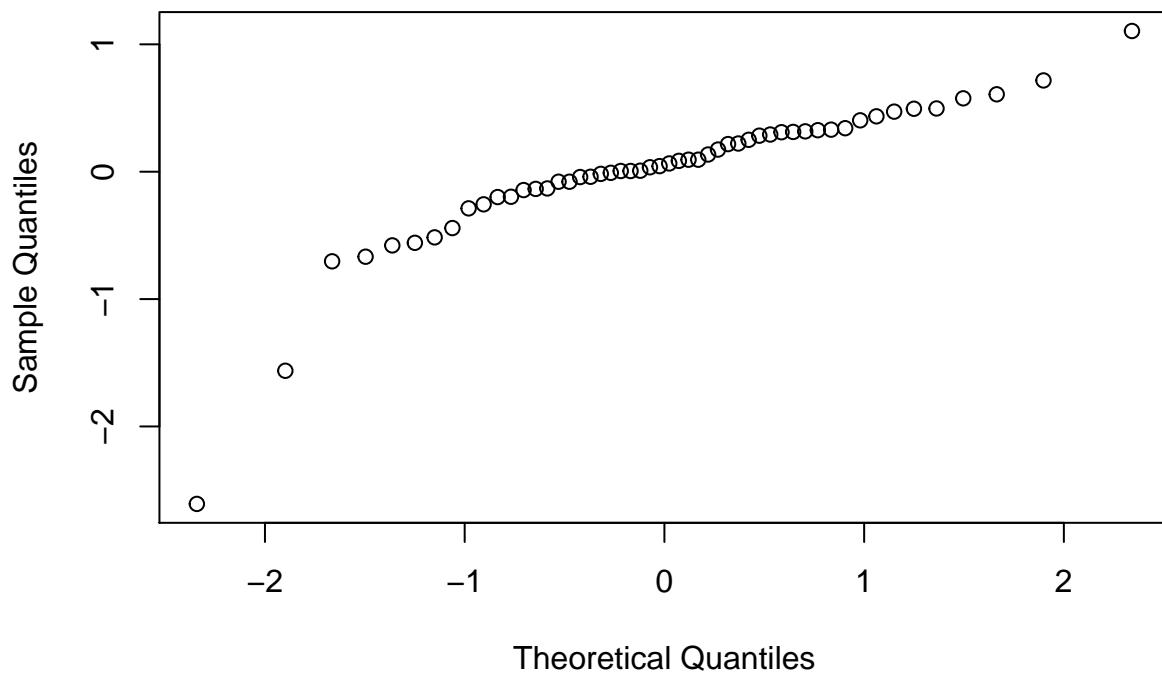
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Plot of nPFOAorigtotal.num.fireruns  
Plot of nPFOAorigEthnicity**



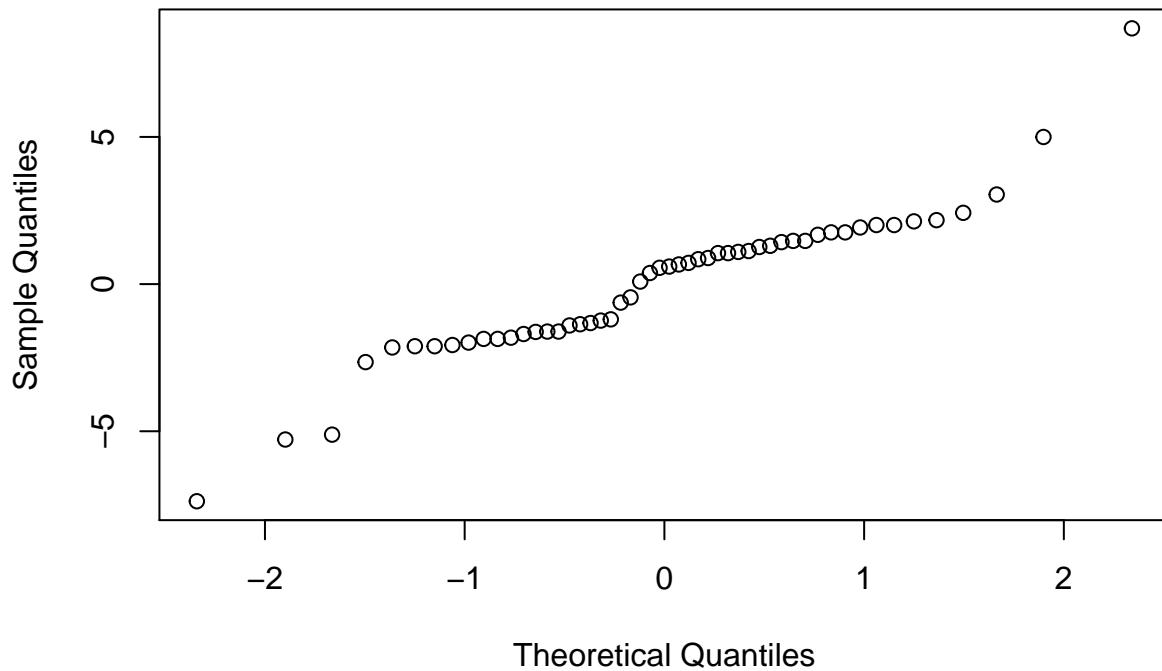
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Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



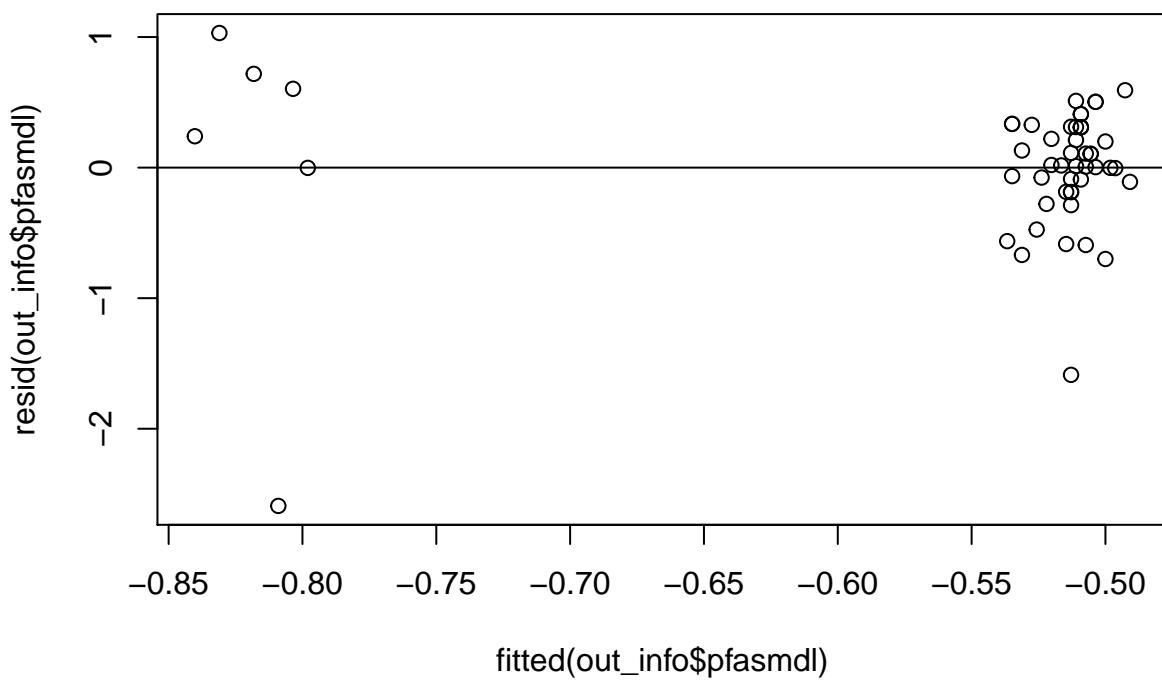
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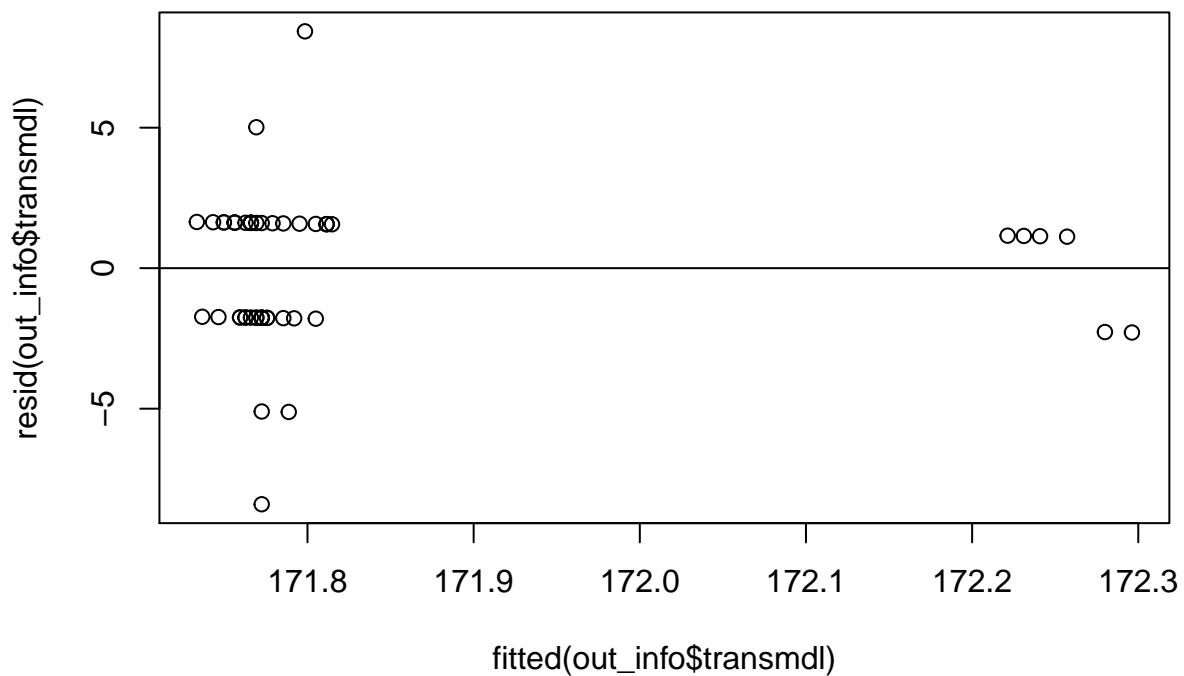
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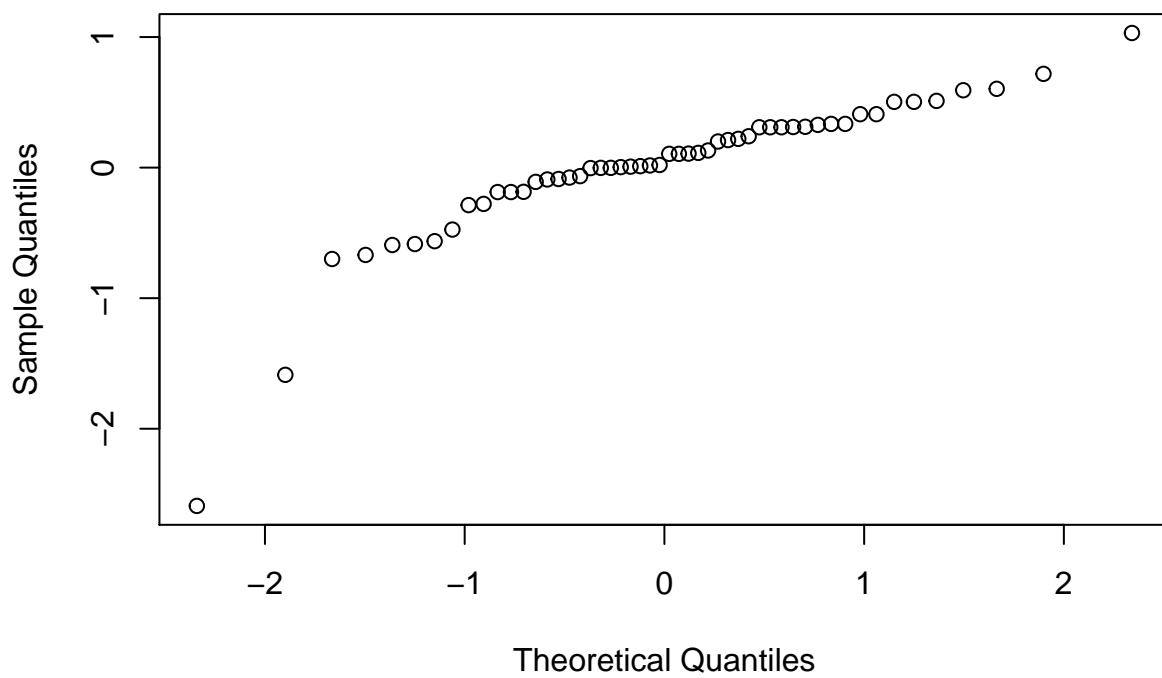
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Plot of fnPFOAorigEthnicity**



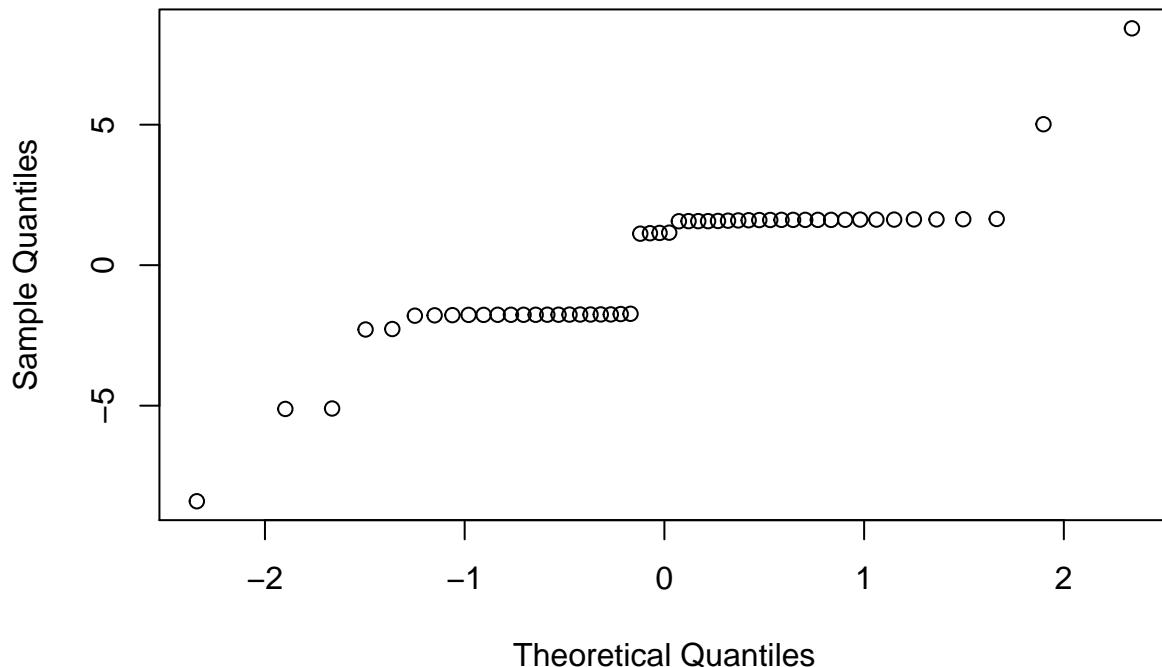
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Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



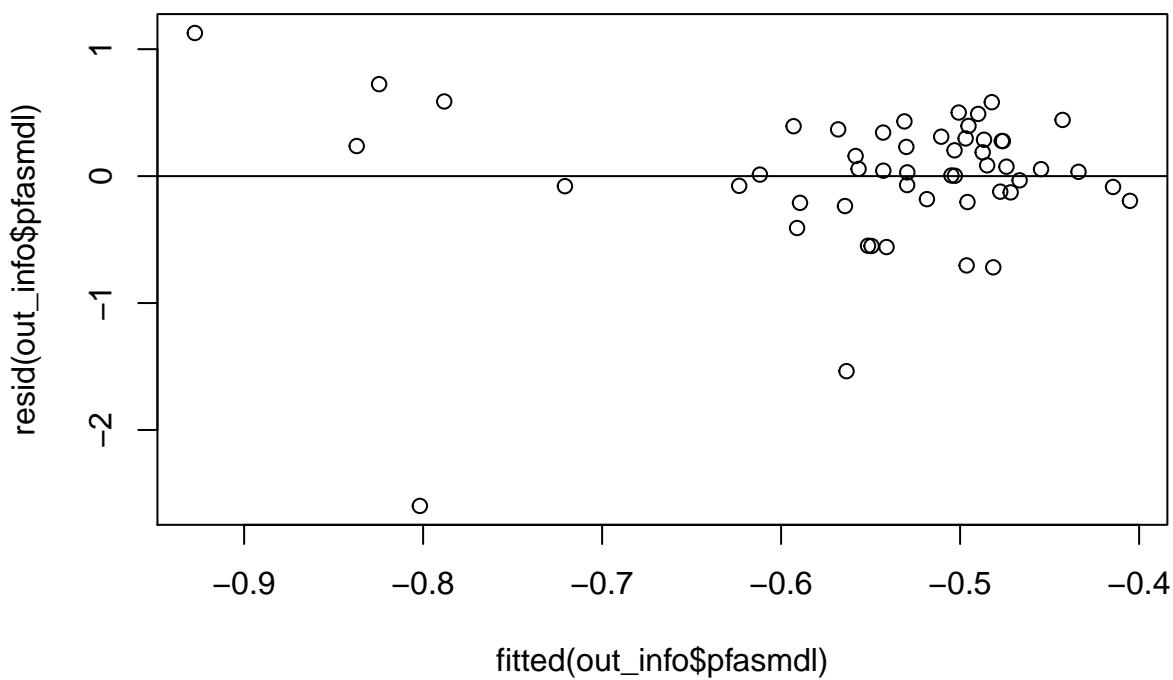
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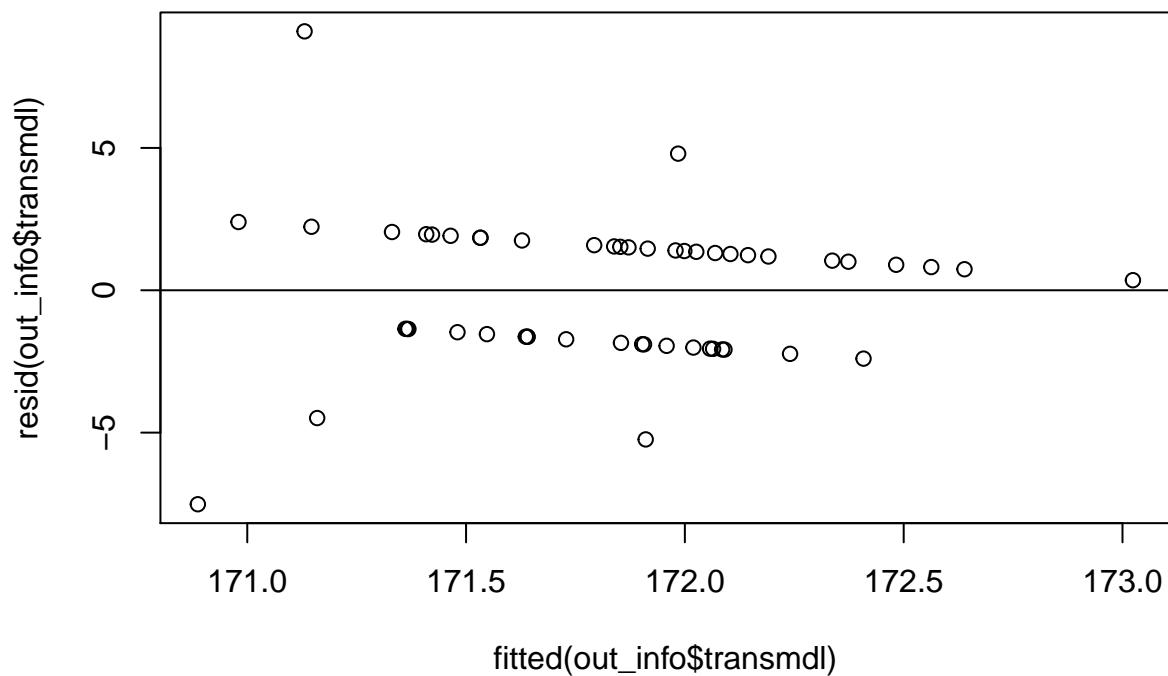
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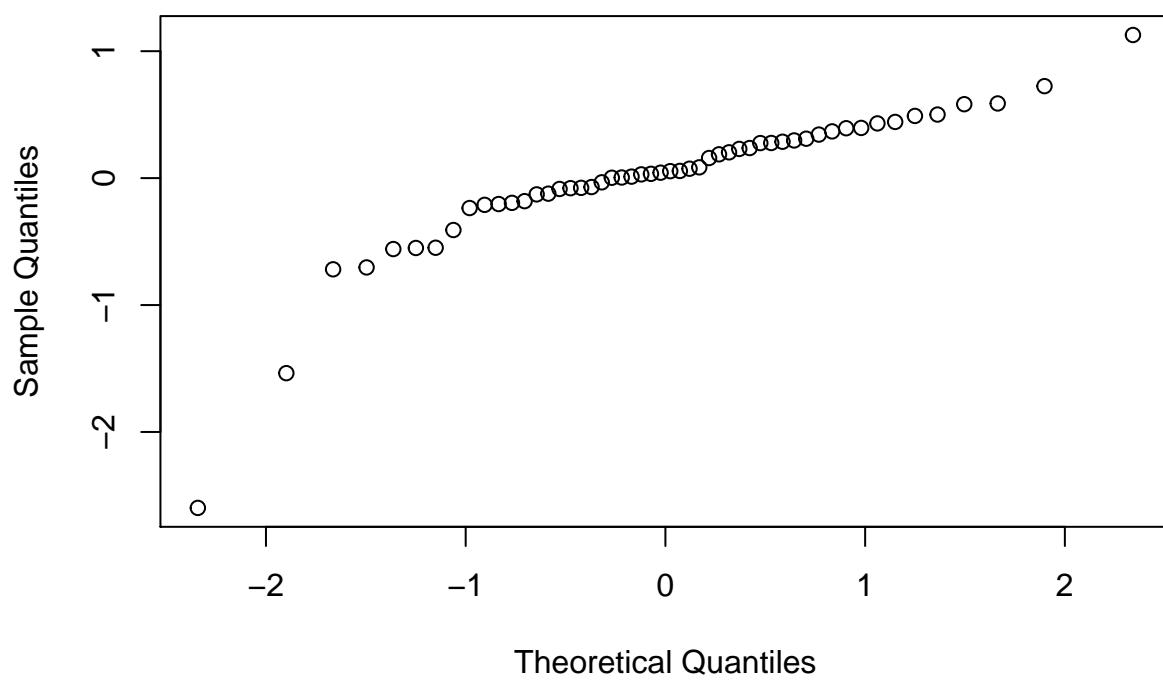
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Plot of nPFOAorigtotal.duration.hrs  
Plot of nPFOAorigEthnicity**



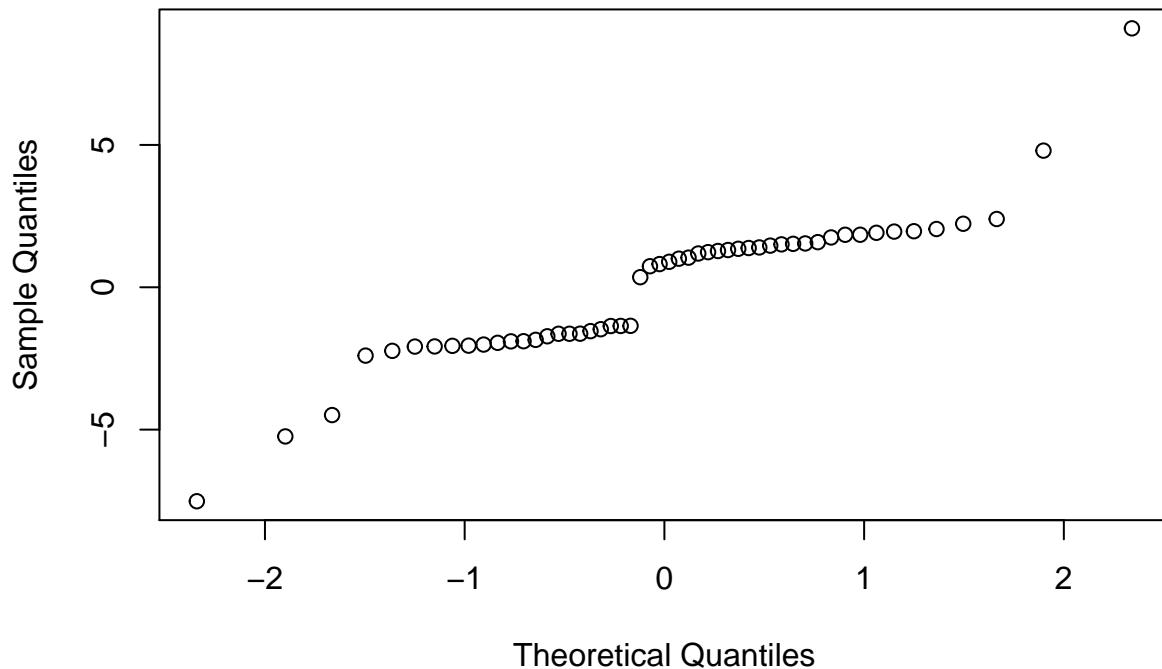
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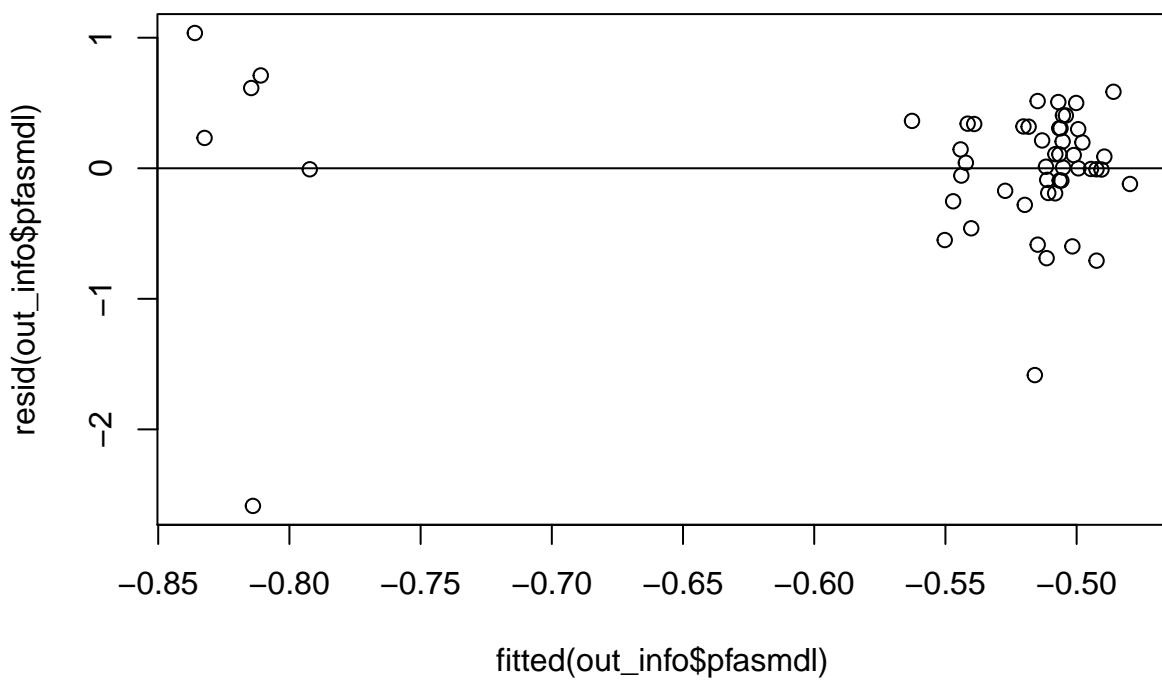
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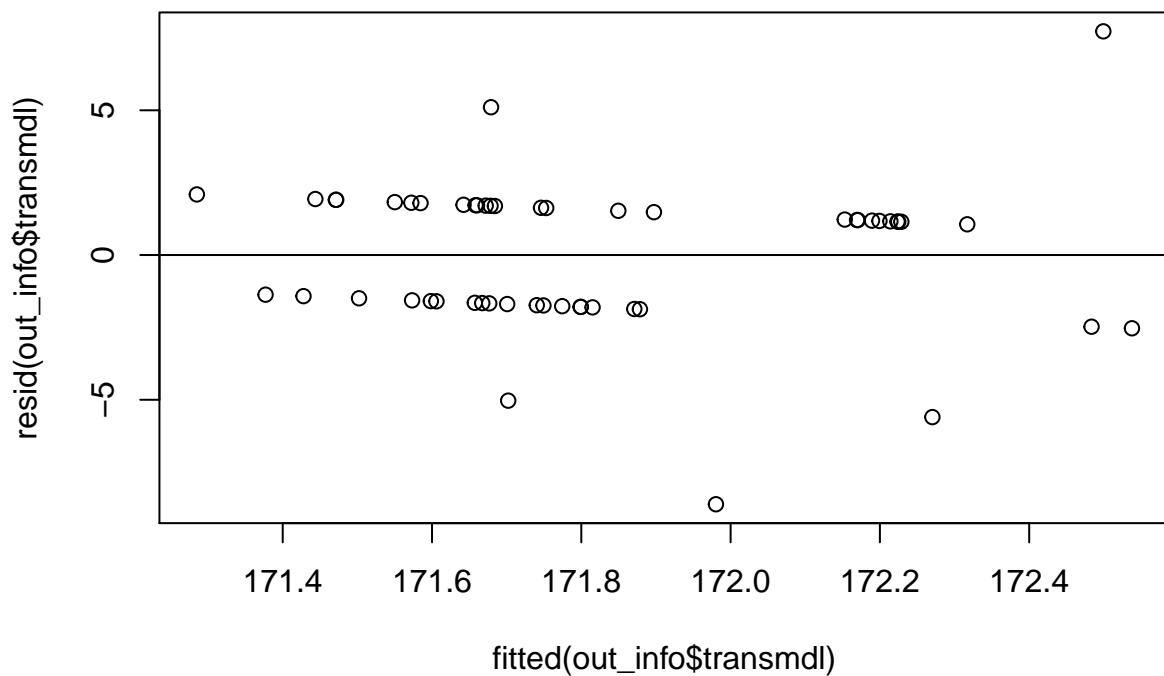
### Normal Q-Q Plot



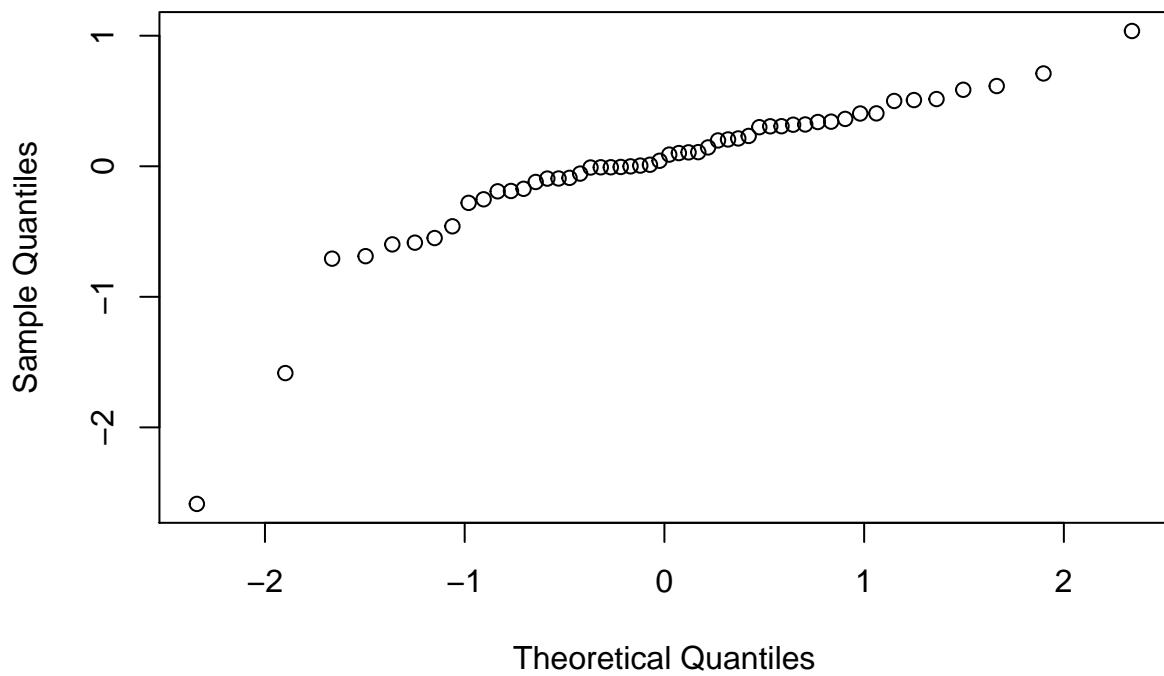
**Plot of nPFOAorig+  
Plot of nPFOAorigstr.duration.hrs  
Plot of nPFOAorigEthnicity**



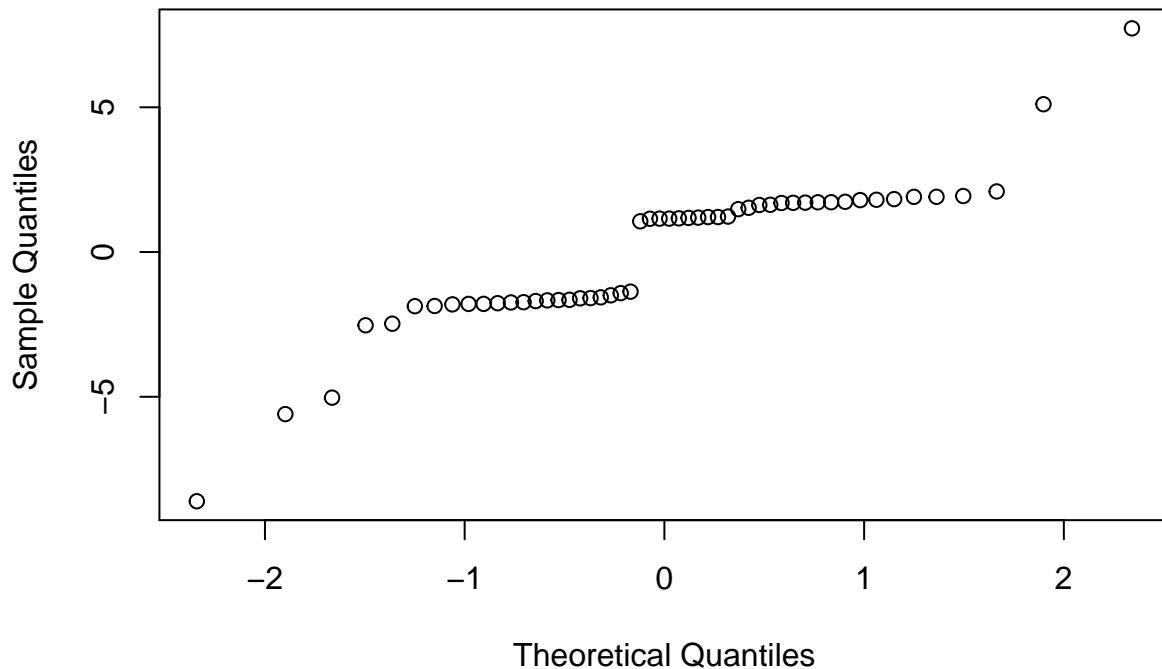
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



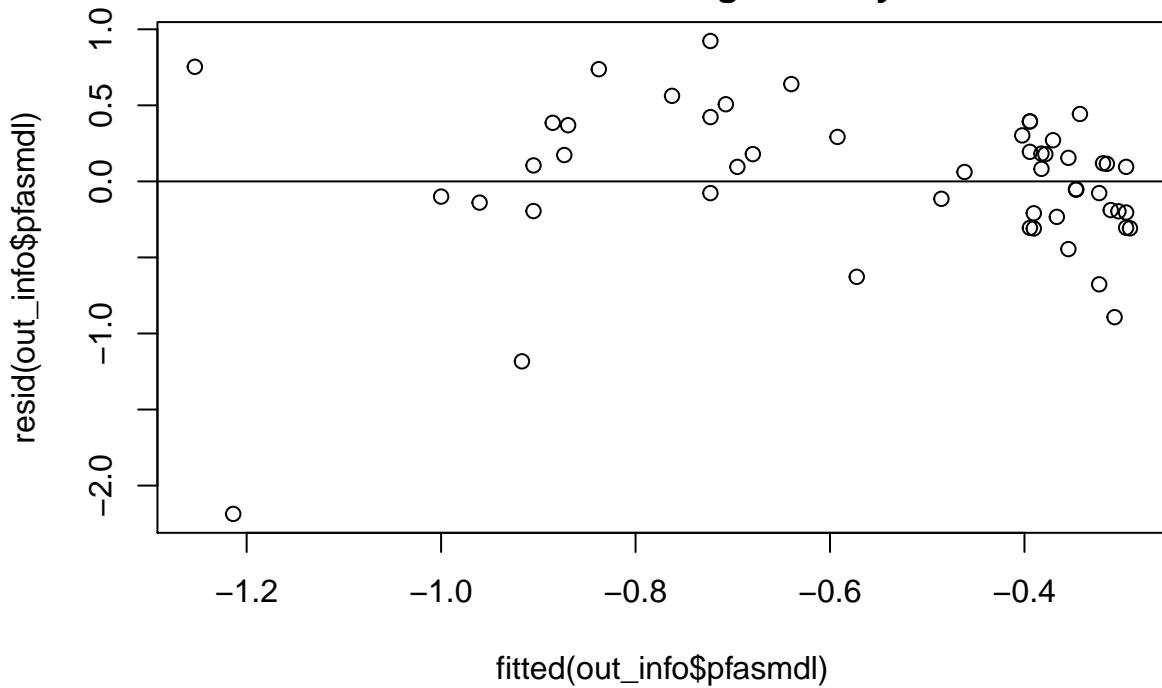
**Normal Q-Q Plot**



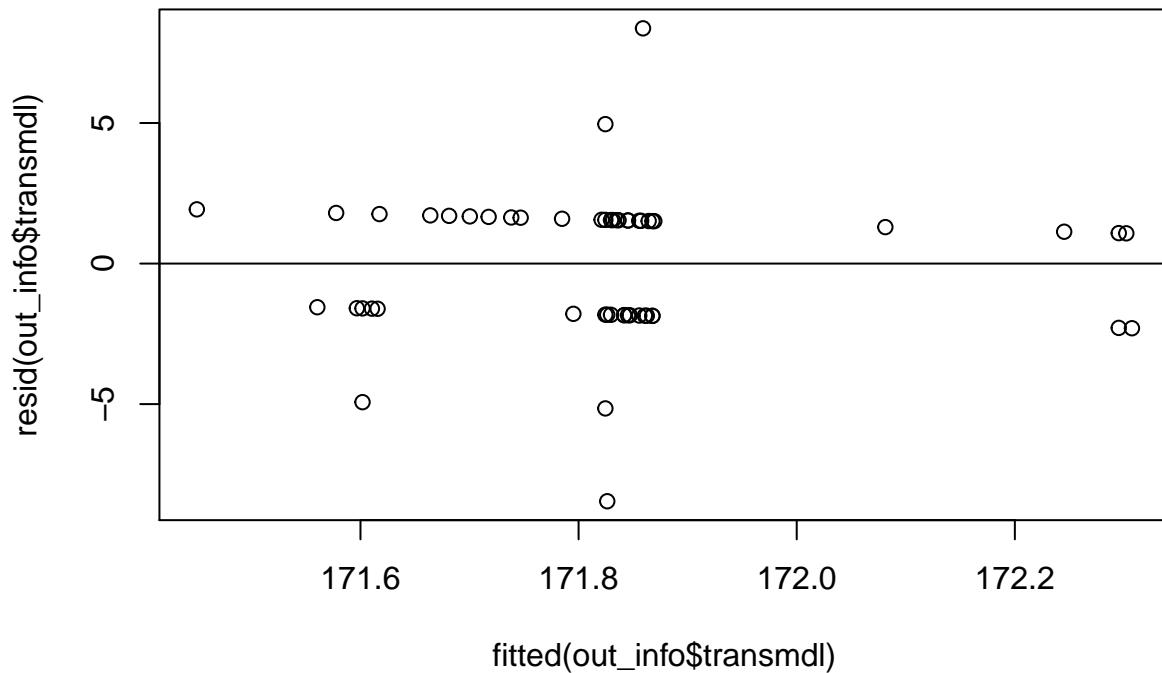
### Normal Q-Q Plot



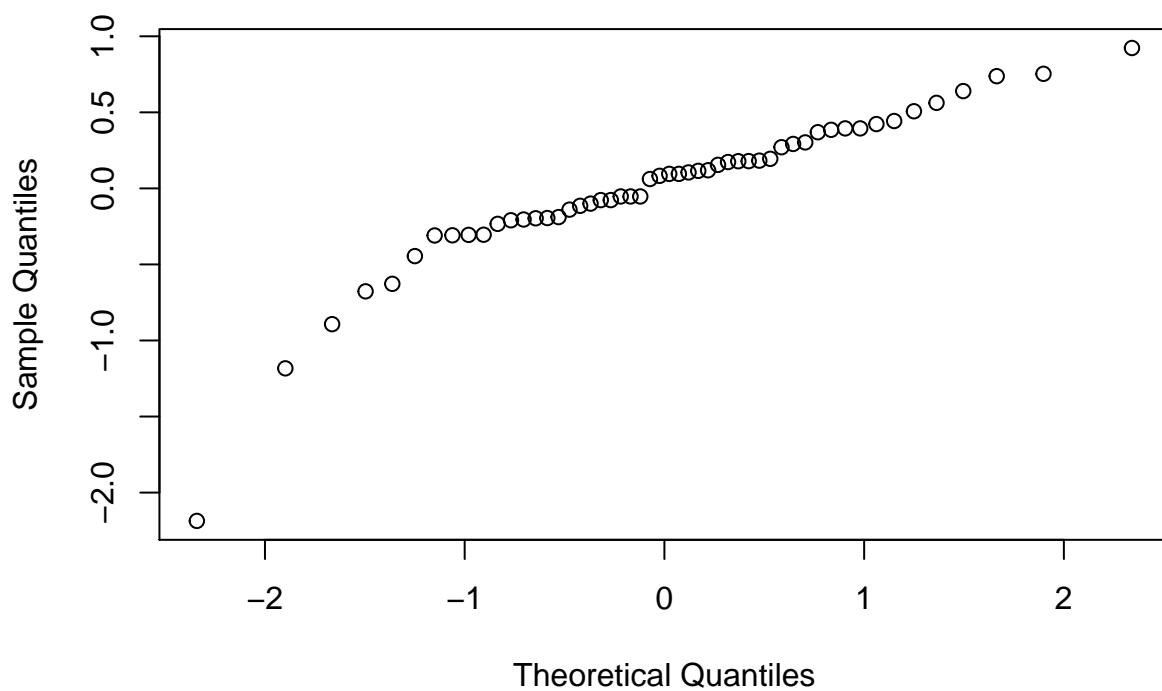
**Plot of fnPFOAorig+  
Plot of fnPFOAorigdays.since.MRF  
Plot of fnPFOAorigEthnicity**



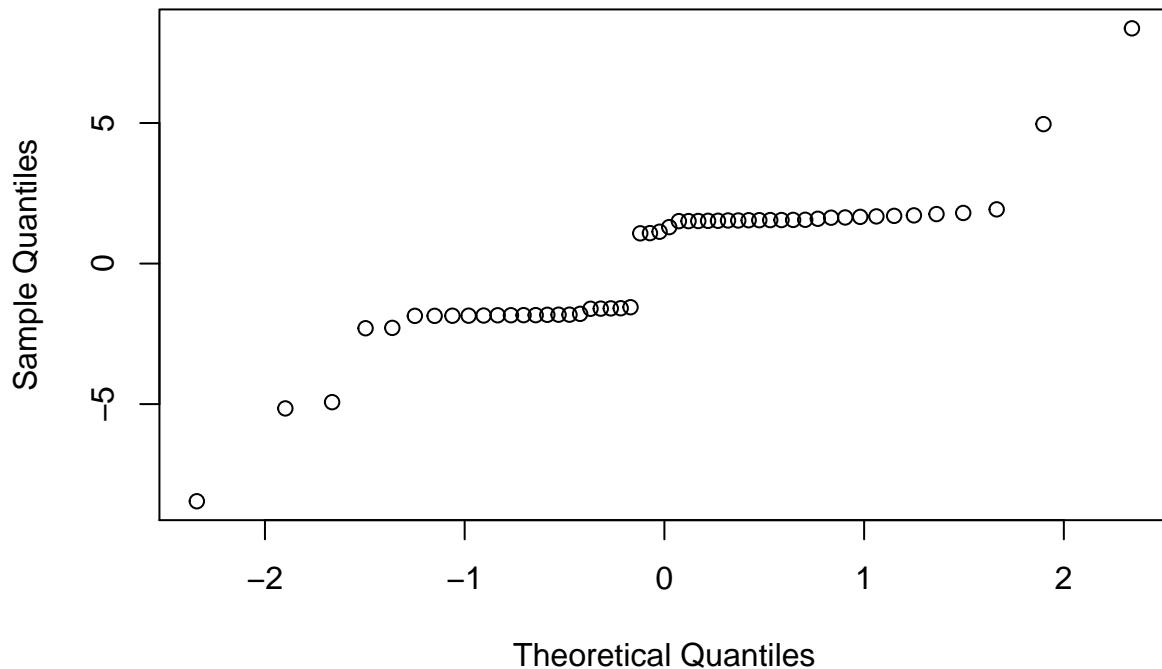
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Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



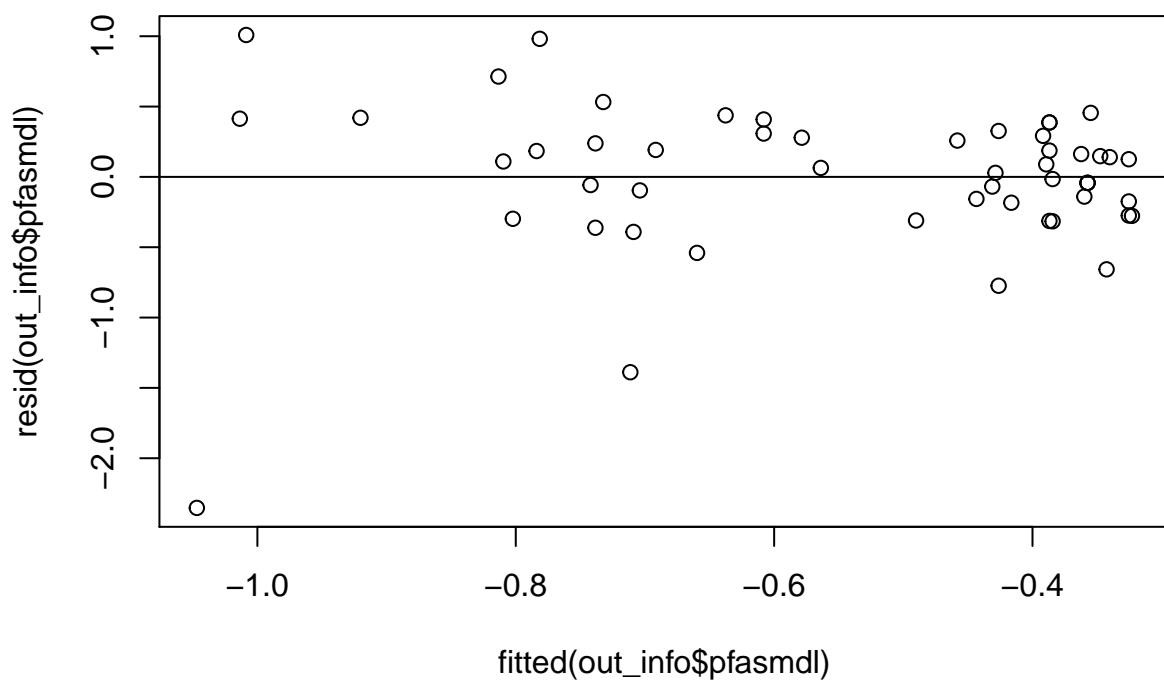
**Normal Q-Q Plot**



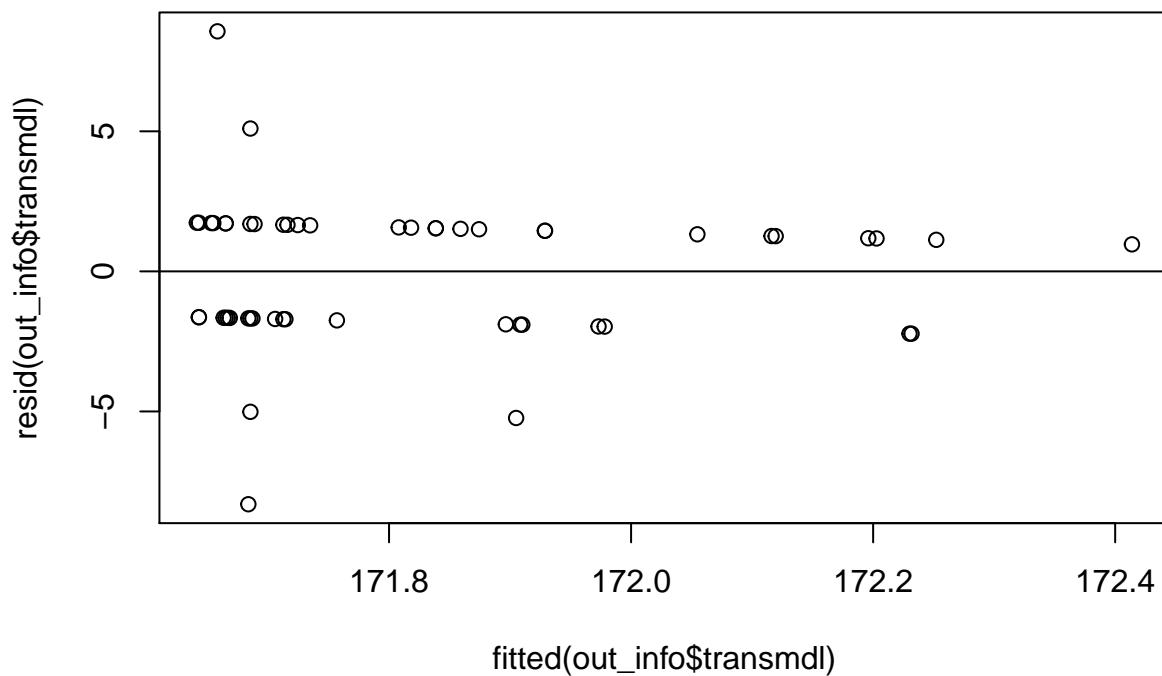
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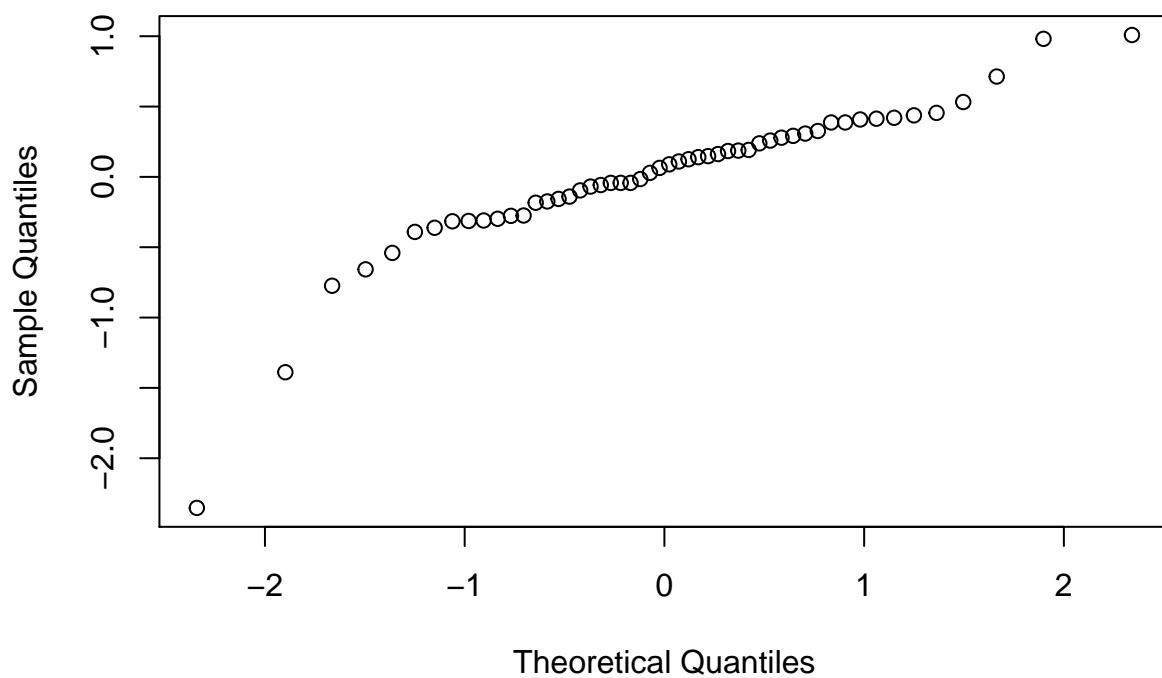
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Plot of fnPFOAorigdays.since.struc.MRF  
Plot of fnPFOAorigEthnicity**



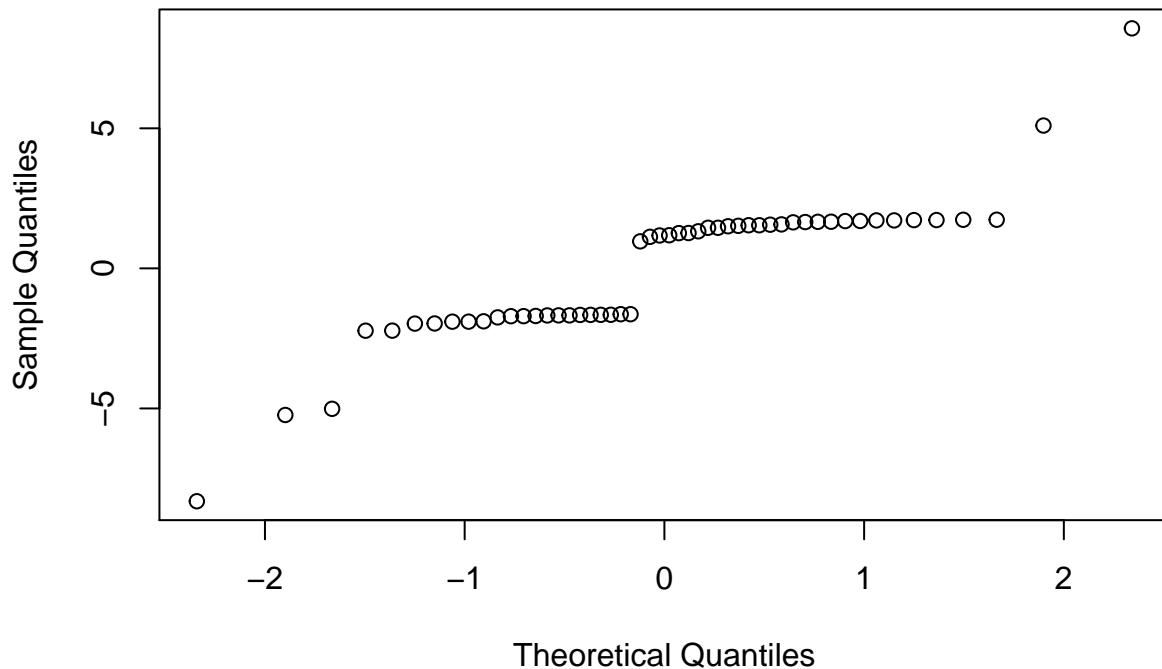
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Plot of PFDEAtransdays.since.struc.MRF  
Plot of PFDEAtransEthnicity**



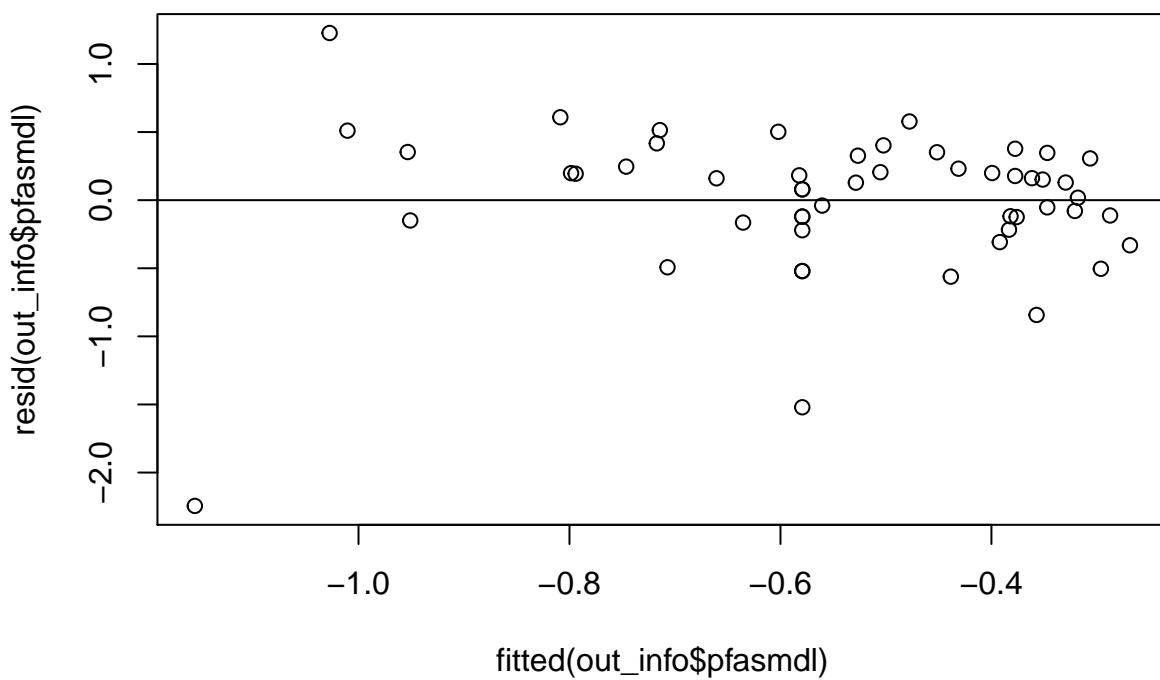
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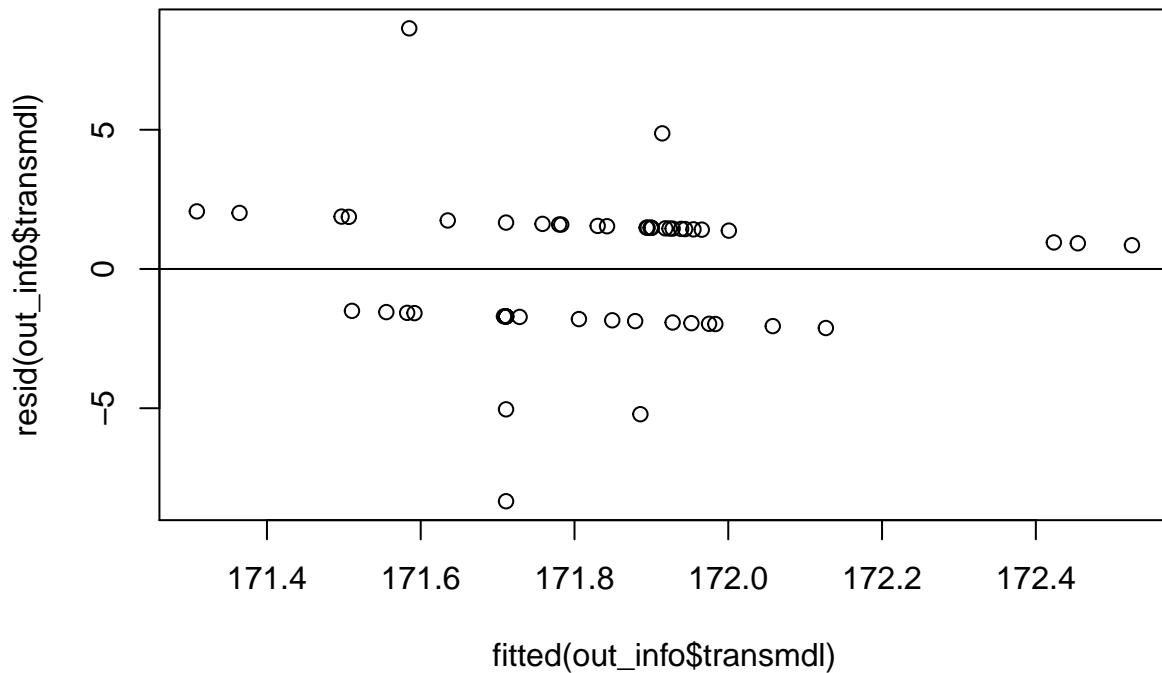
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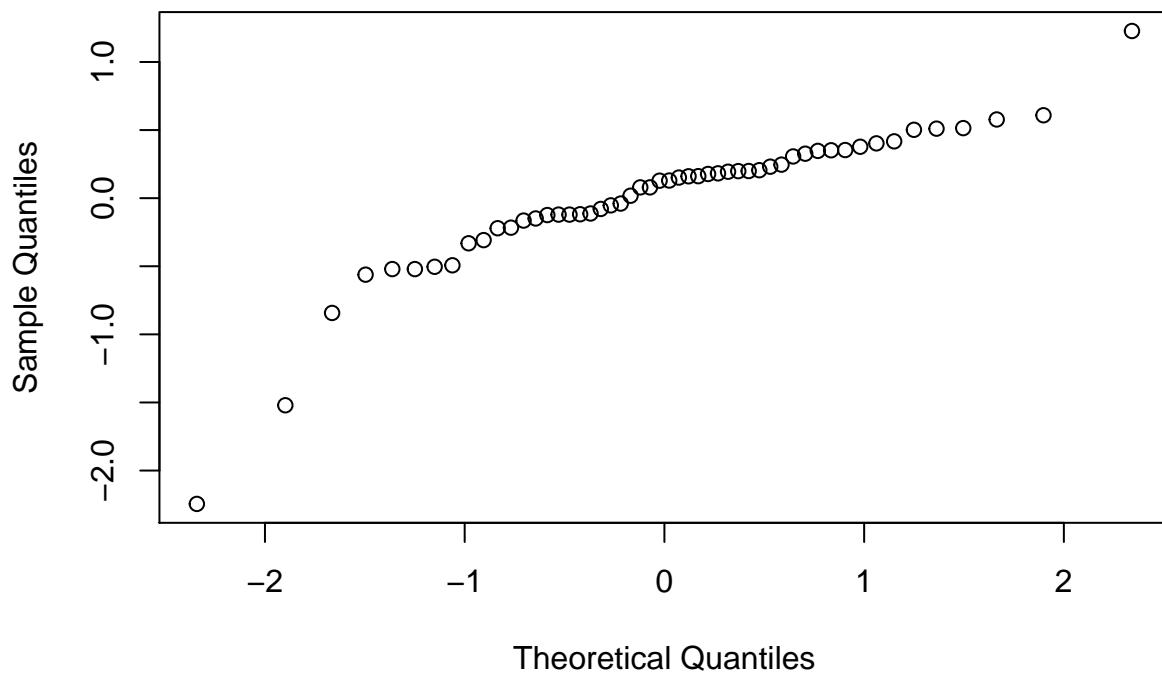
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Plot of nPFOAorigtime.since.baseline  
Plot of nPFOAorigEthnicity**



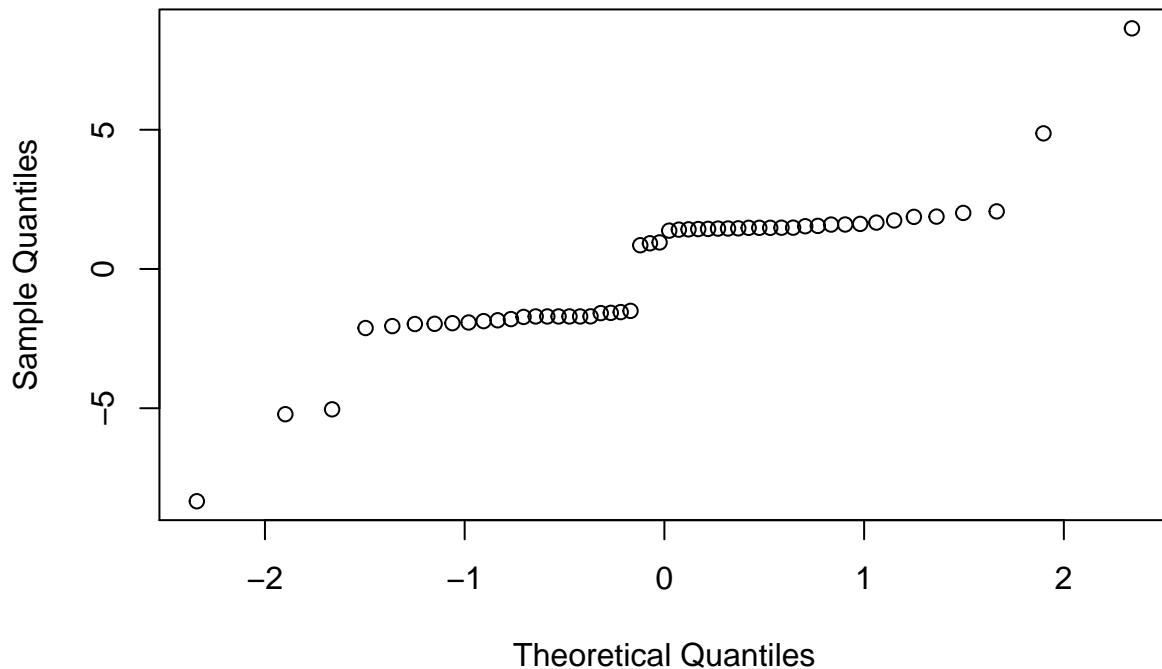
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Plot of PFDEAtranstime.since.baseline  
Plot of PFDEAtransEthnicity**



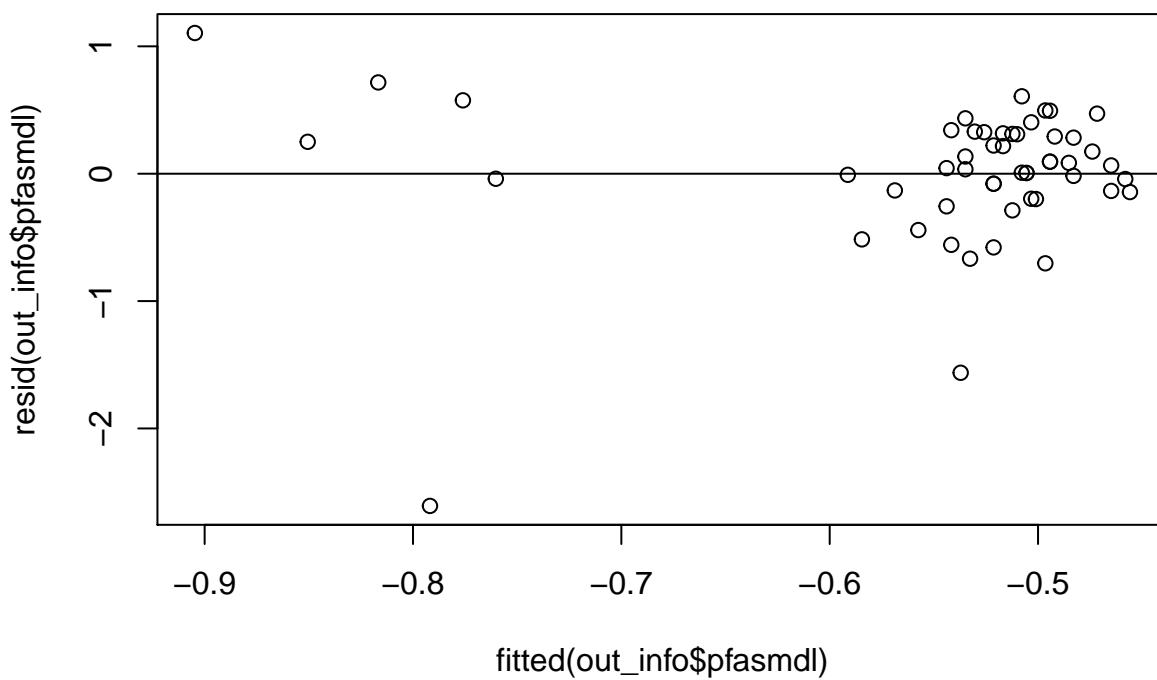
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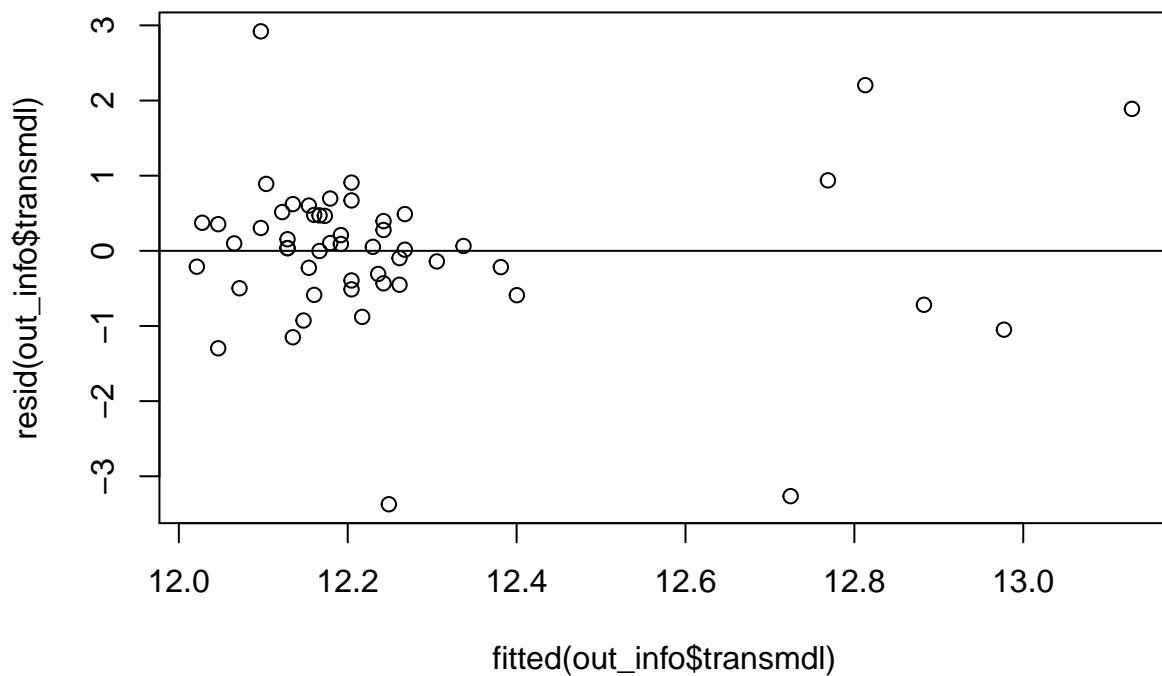
### Normal Q-Q Plot



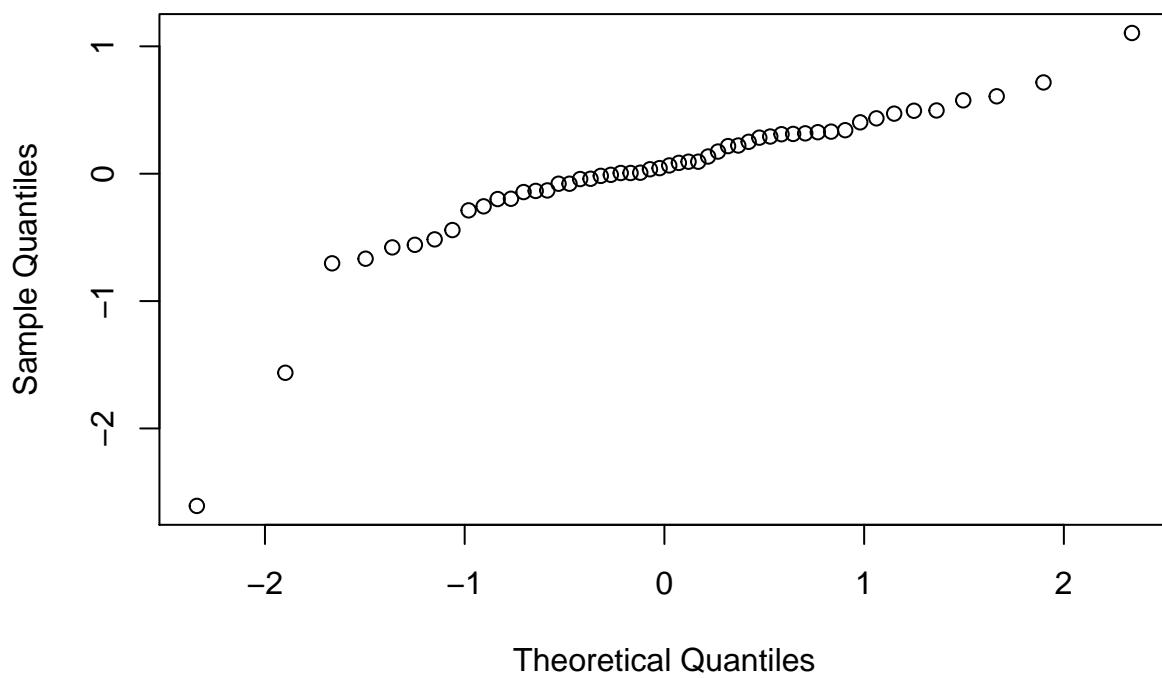
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.num.fireruns  
Plot of nPFOAorigEthnicity**



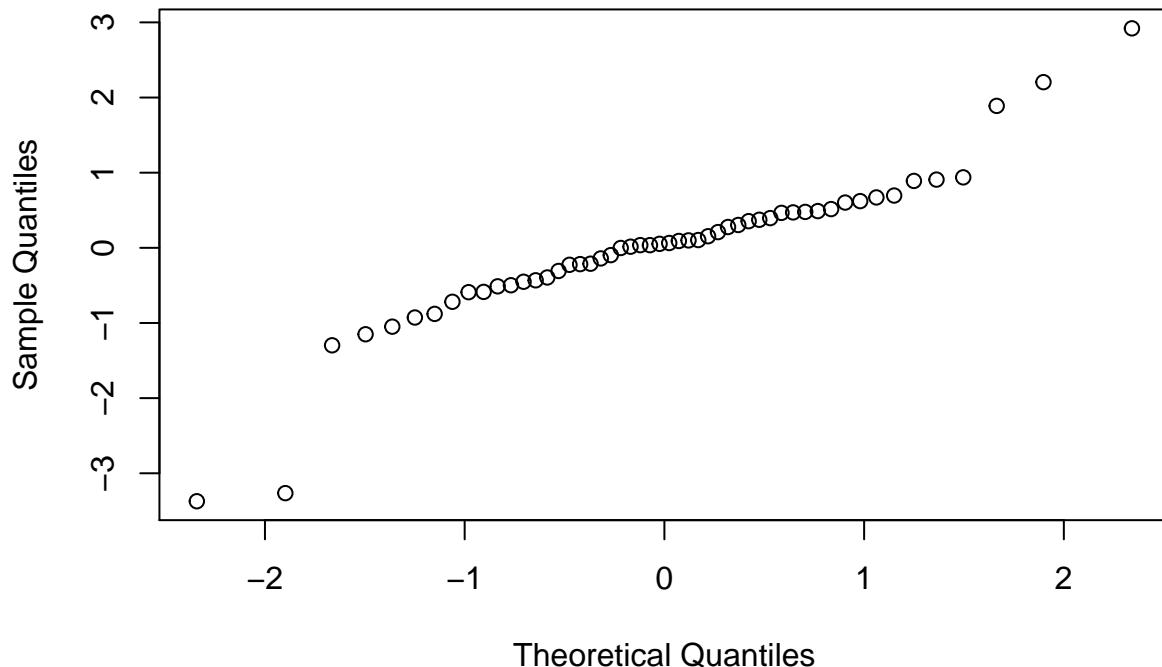
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.num.fireruns  
Plot of PFHXStransEthnicity**



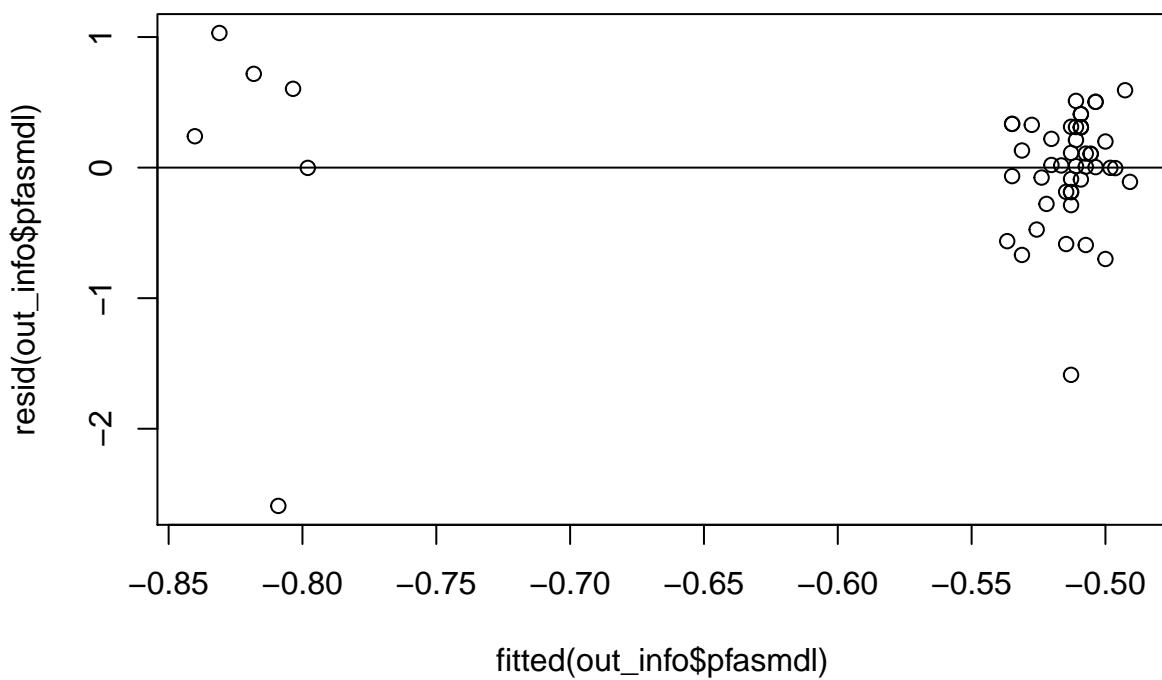
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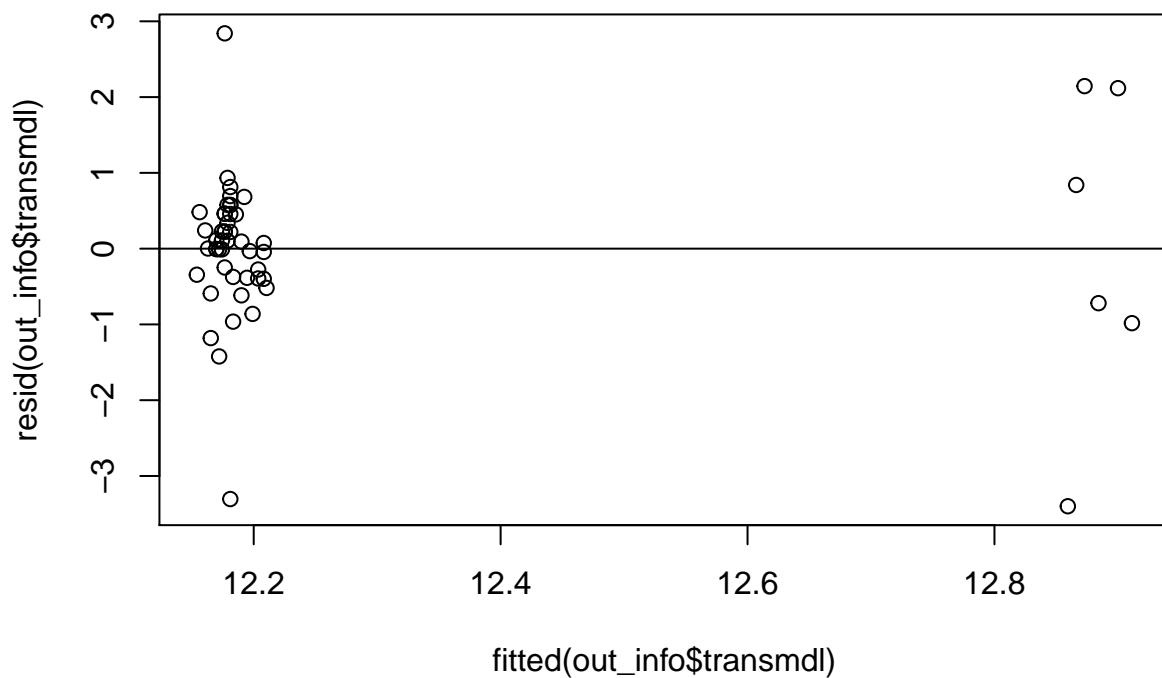
### Normal Q-Q Plot



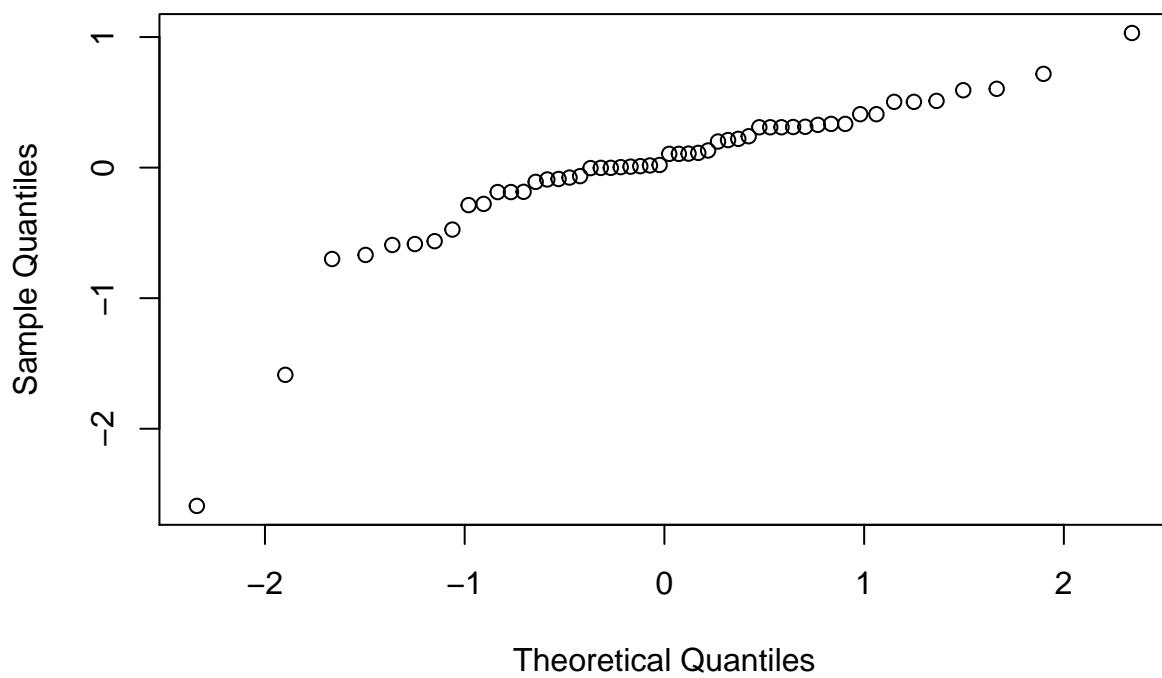
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Plot of fnPFOAorigstr.num.fireruns  
Plot of fnPFOAorigEthnicity**



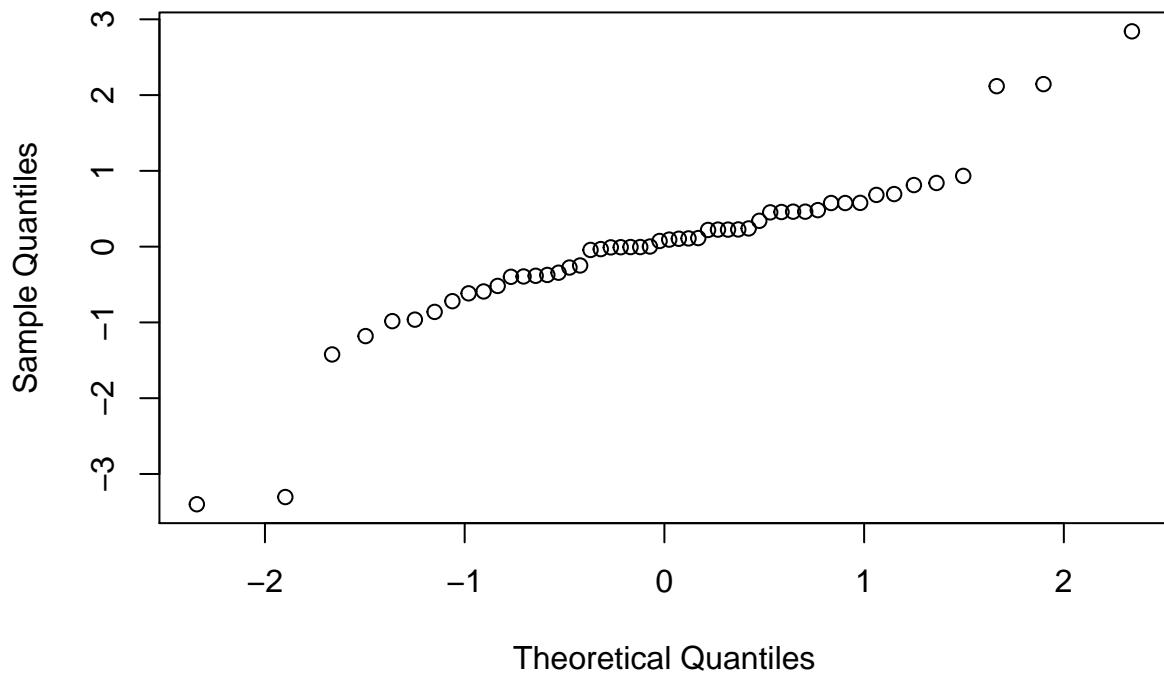
**Plot of PFHXStrans+  
Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



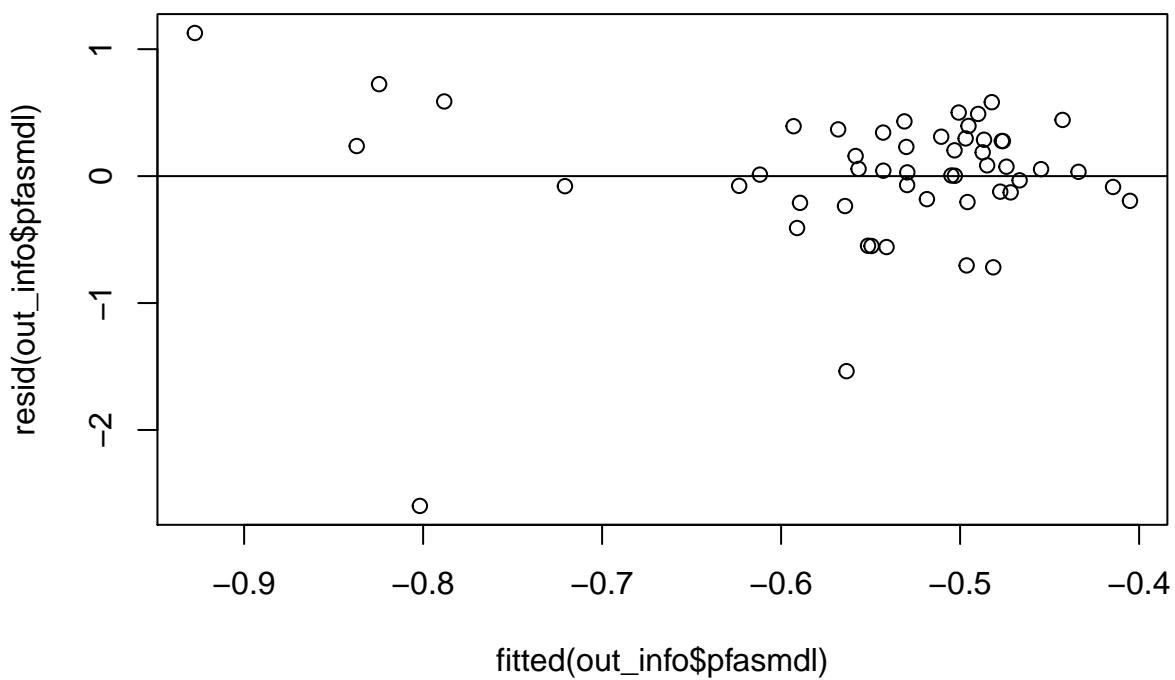
**Normal Q-Q Plot**



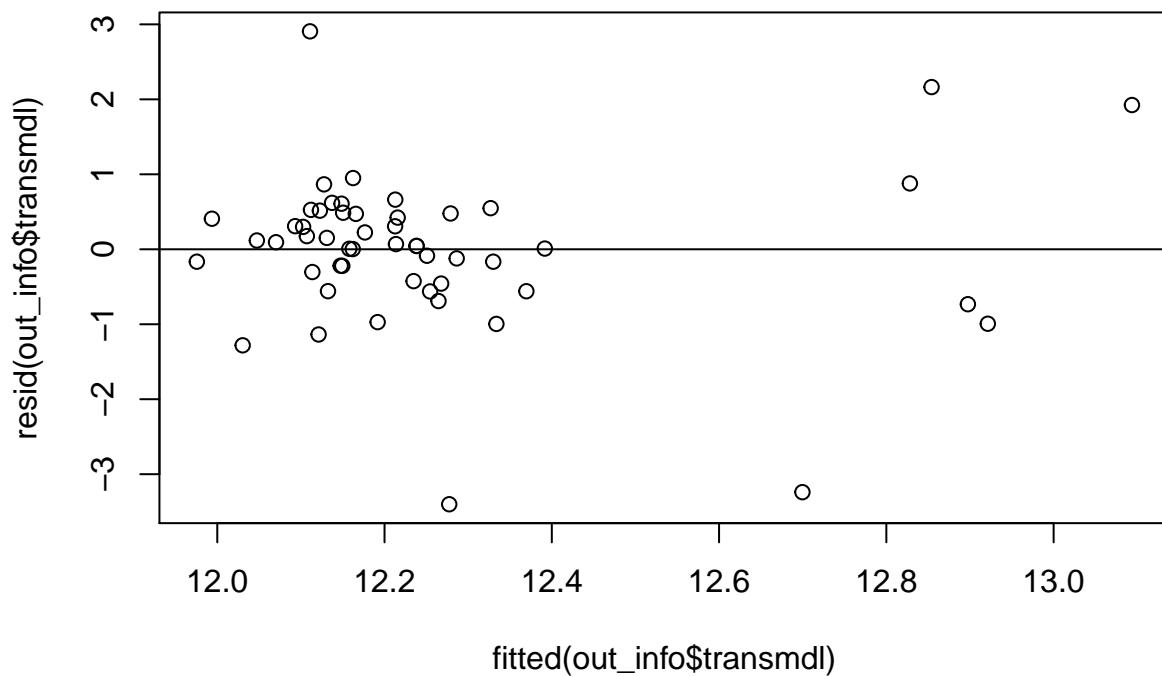
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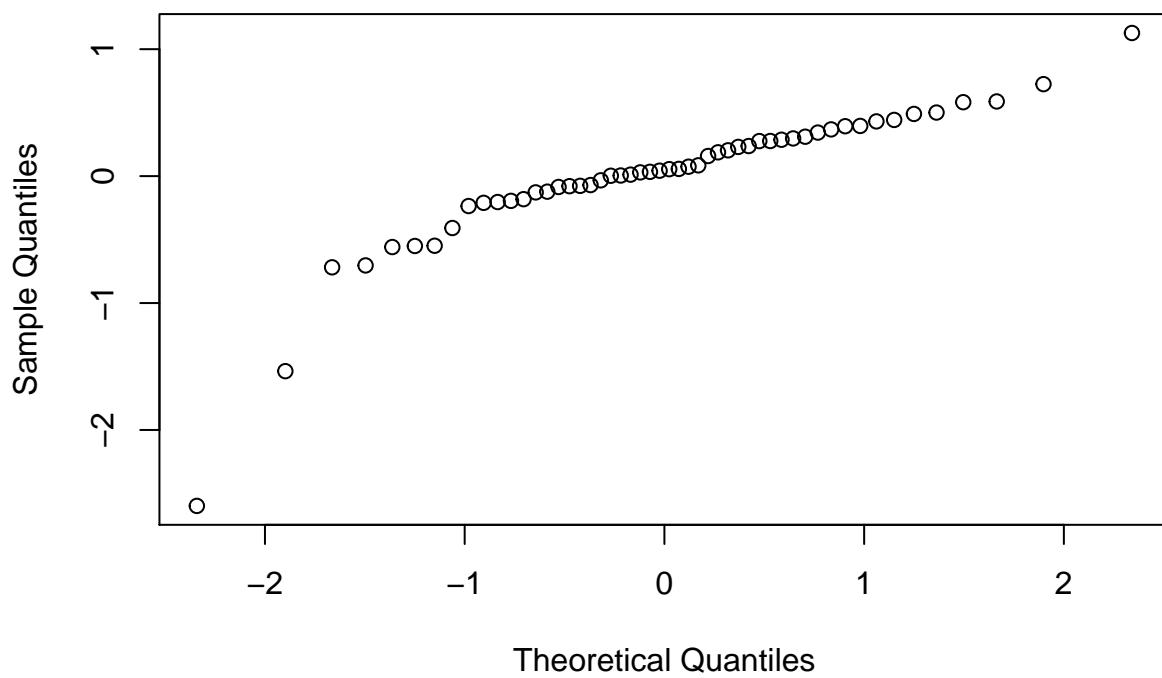
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Plot of nPFOAorigtotal.duration.hrs  
Plot of nPFOAorigEthnicity**



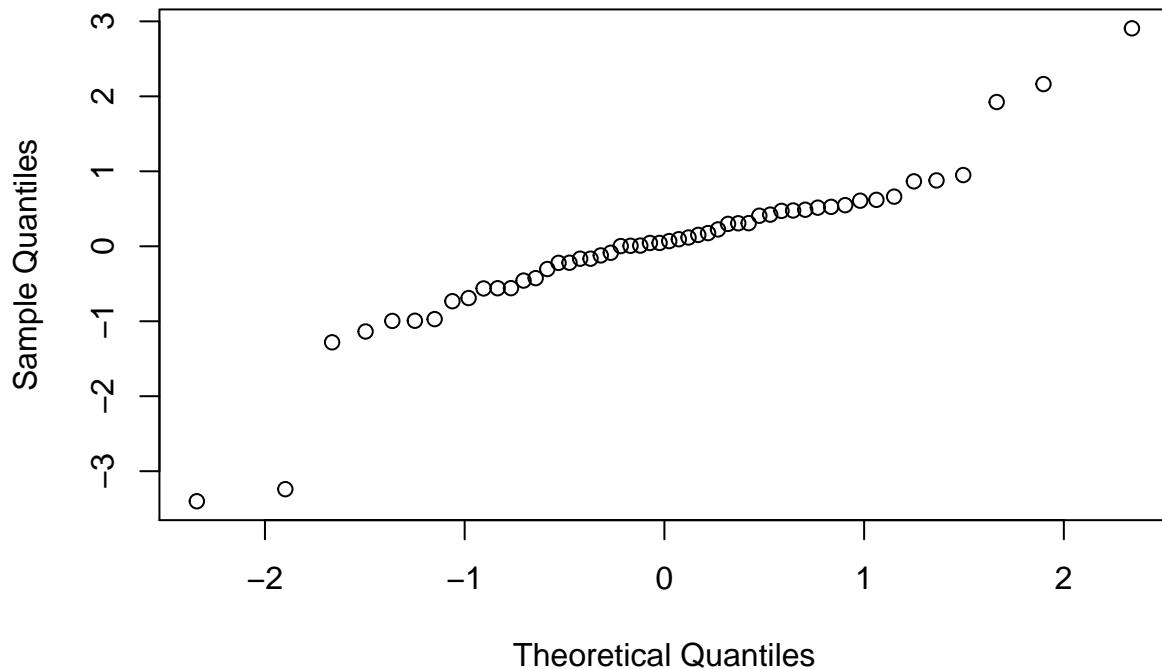
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Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



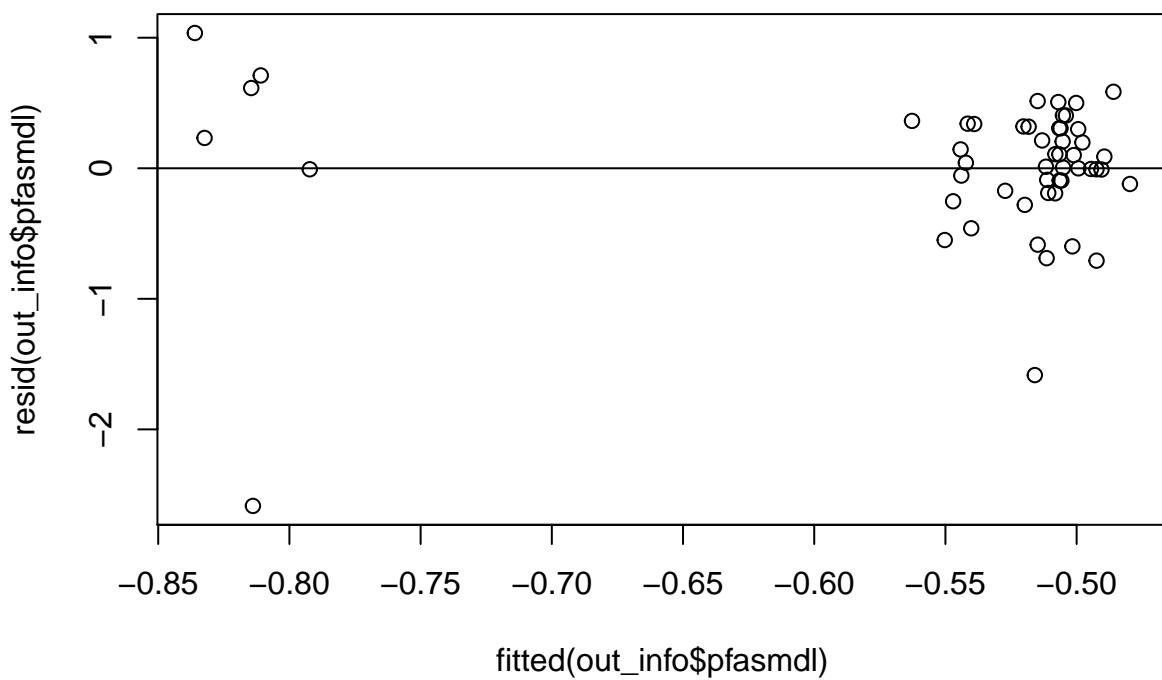
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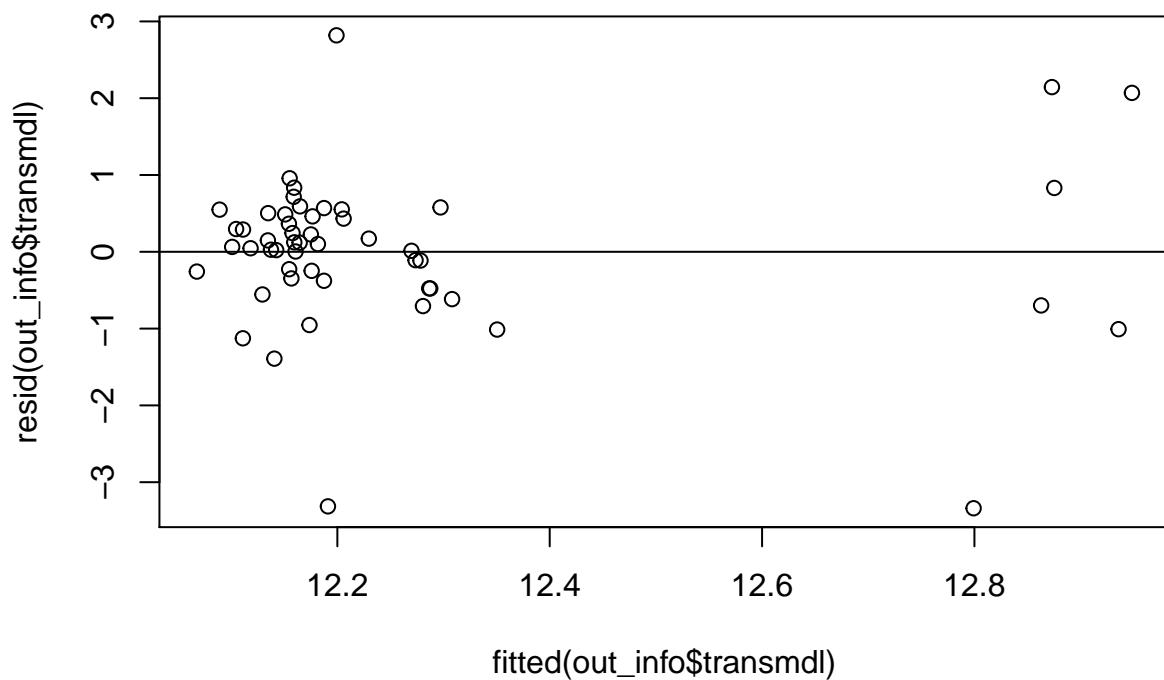
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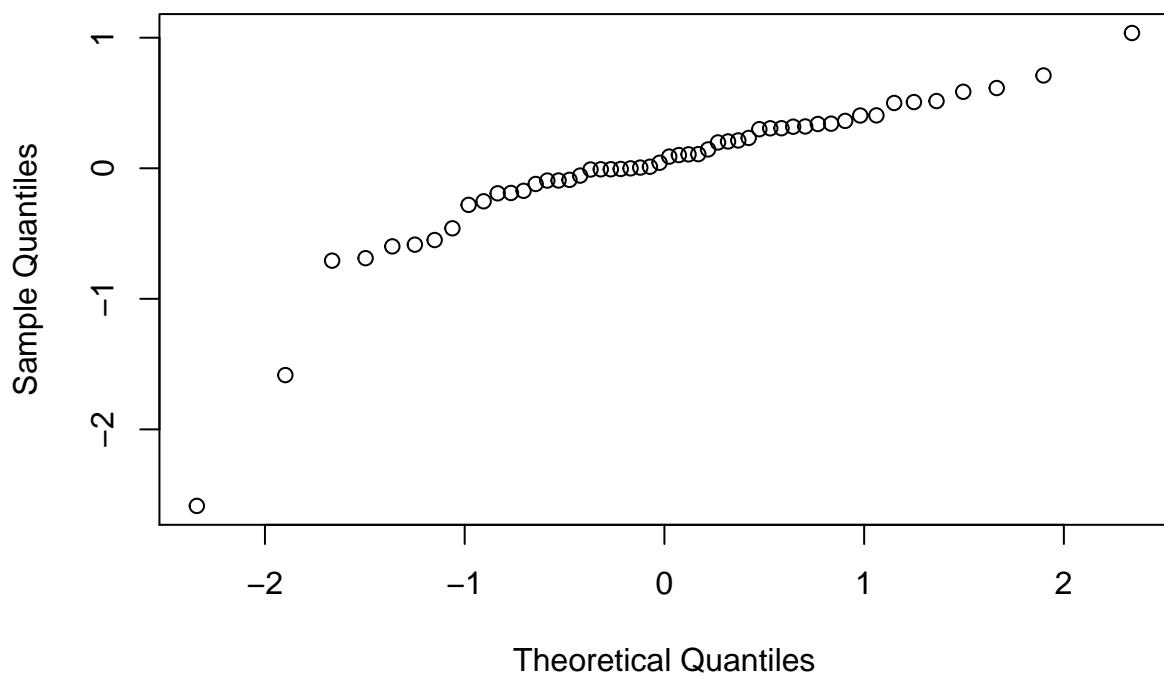
**Plot of nPFOAorig+  
Plot of nPFOAorigstr.duration.hrs  
Plot of nPFOAorigEthnicity**



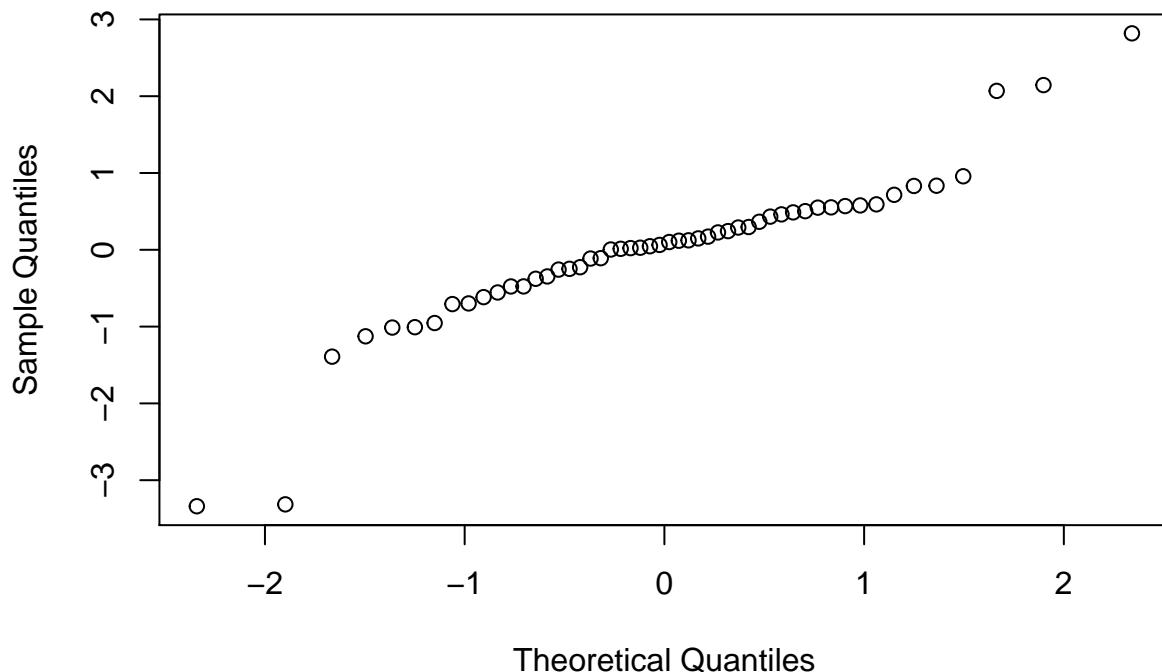
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Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



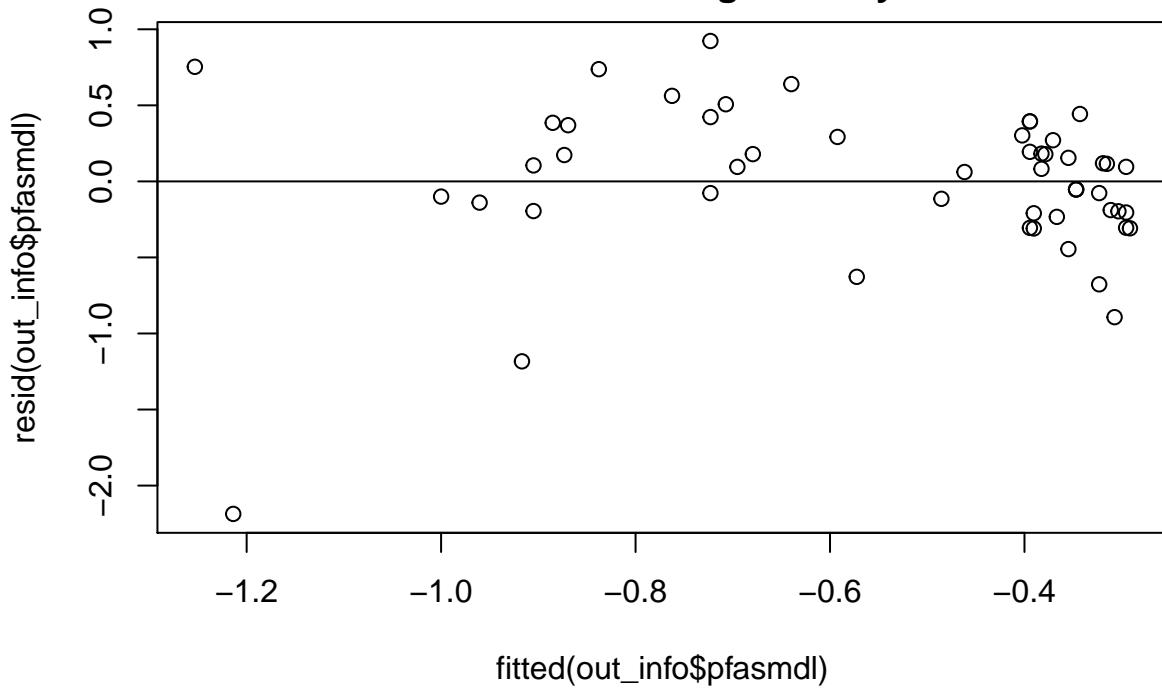
**Normal Q-Q Plot**



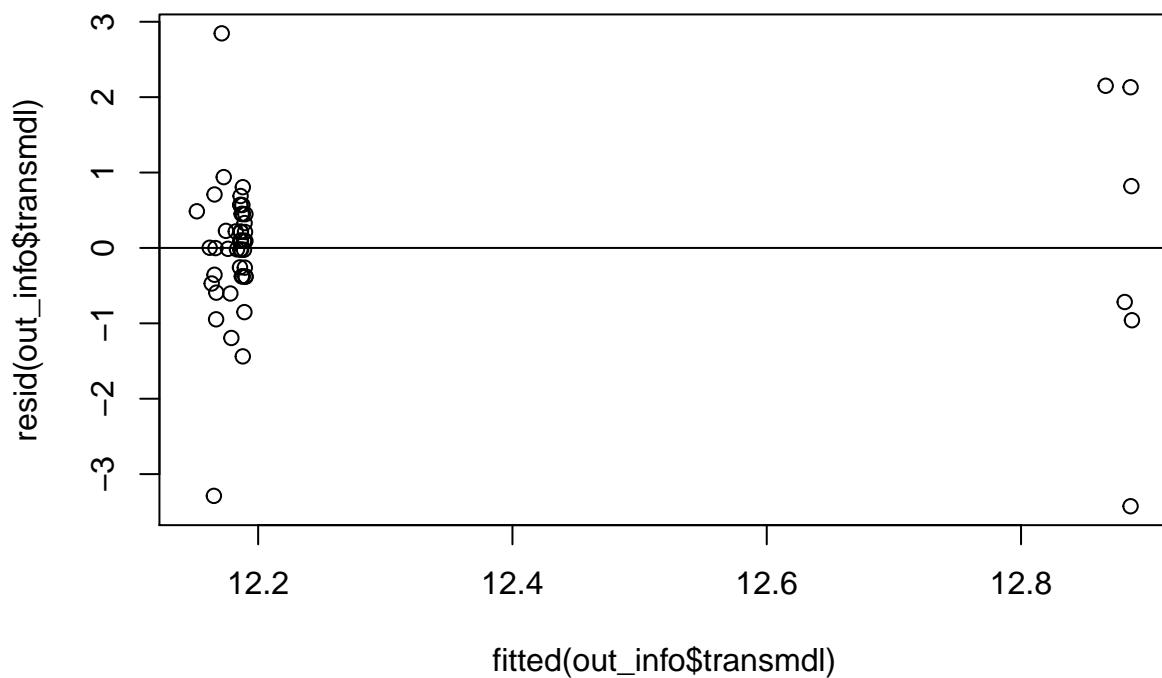
### Normal Q-Q Plot



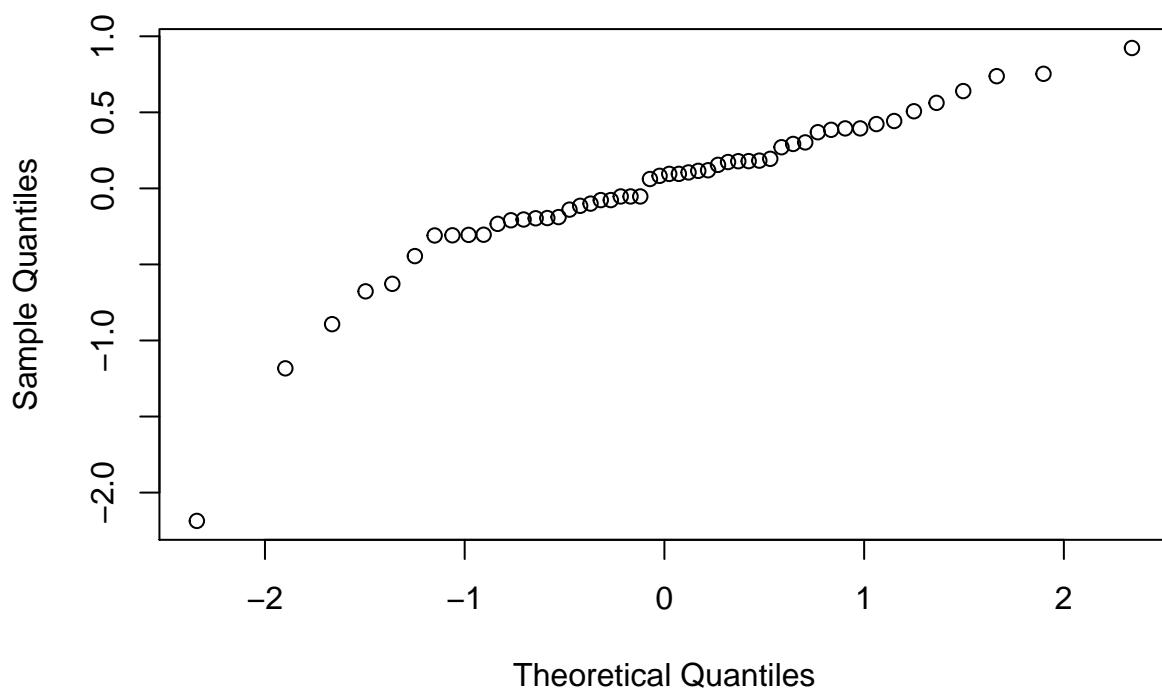
**Plot of nPFOAorig+  
Plot of nPFOAorigdays.since.MRF  
Plot of nPFOAorigEthnicity**



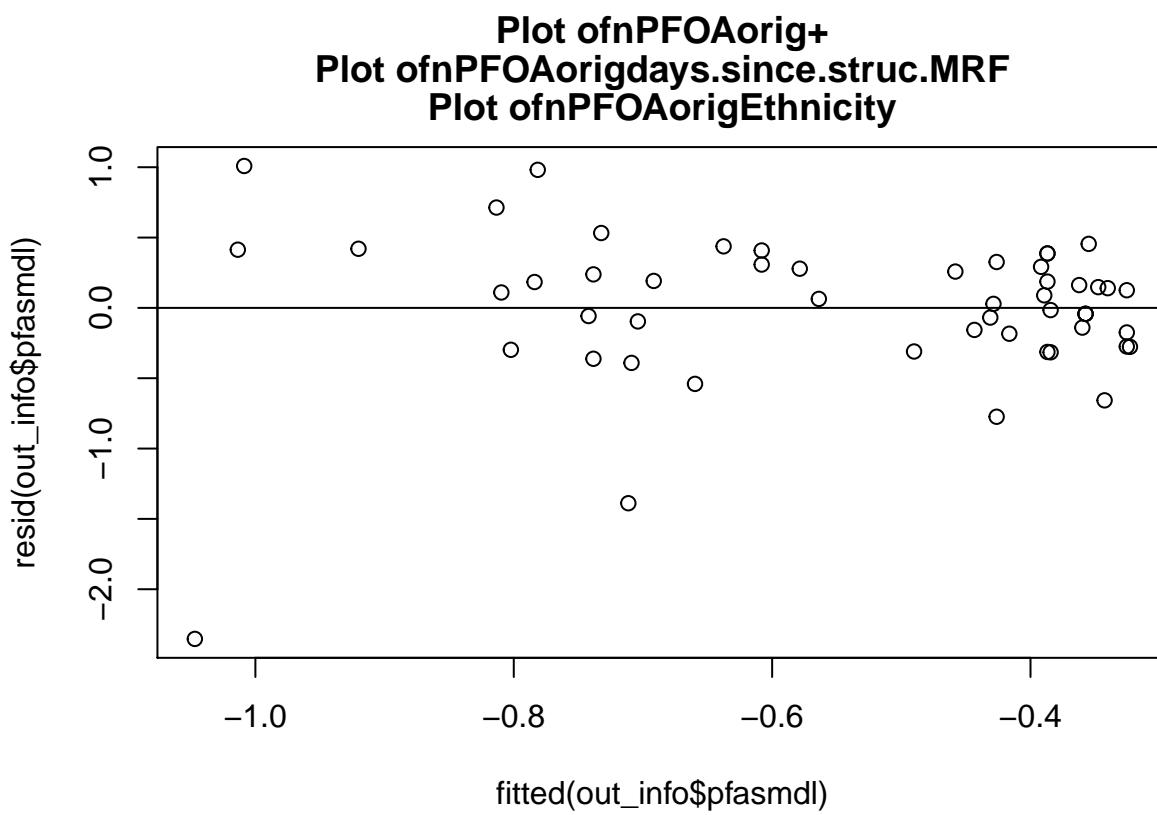
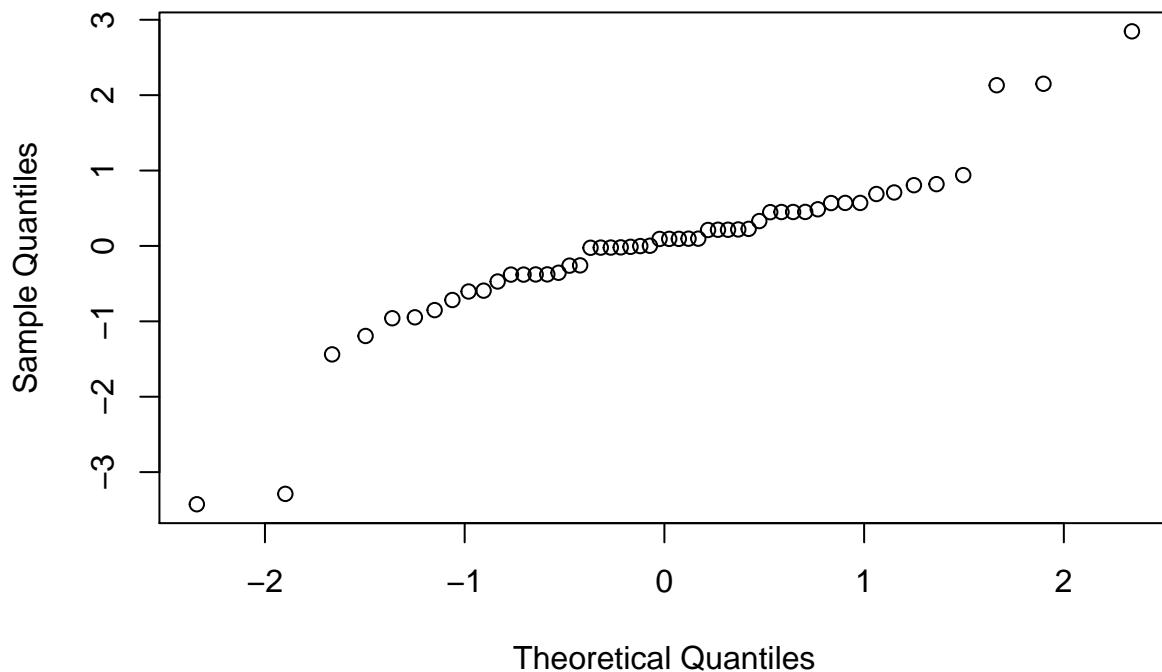
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



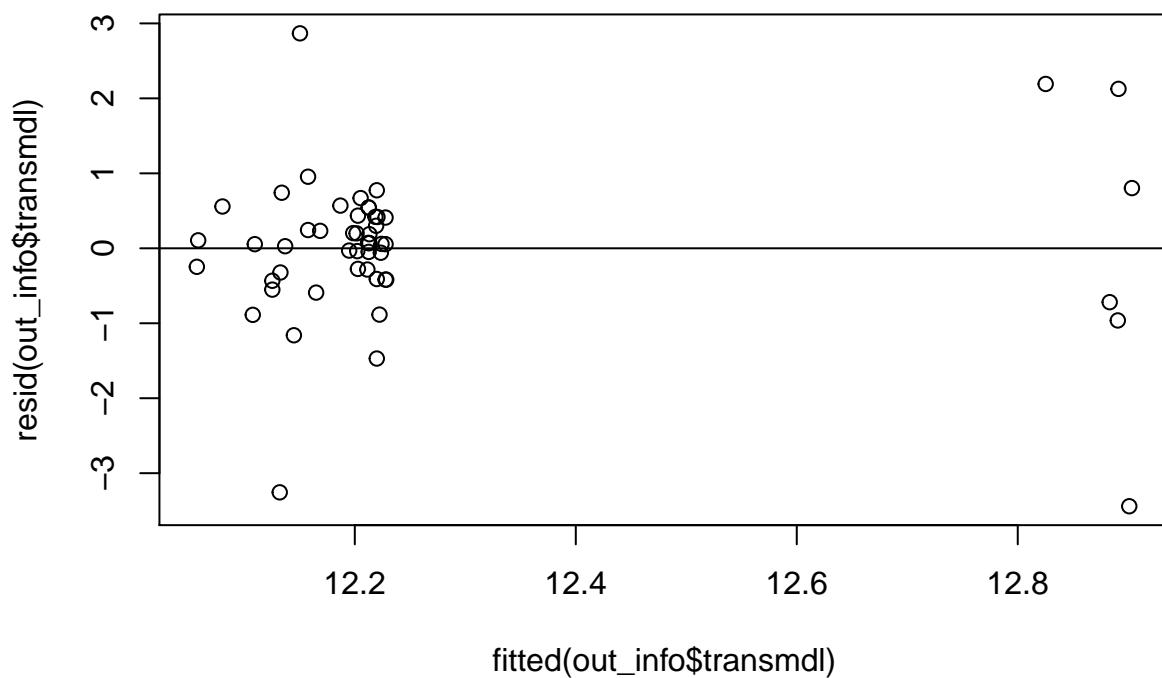
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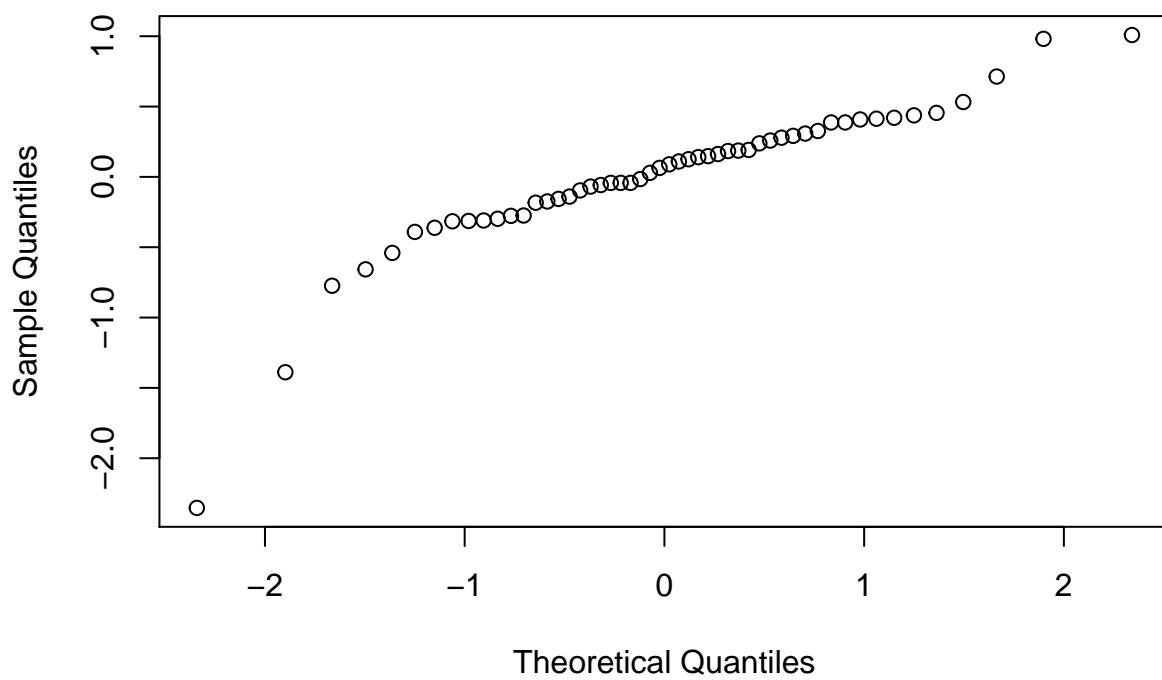
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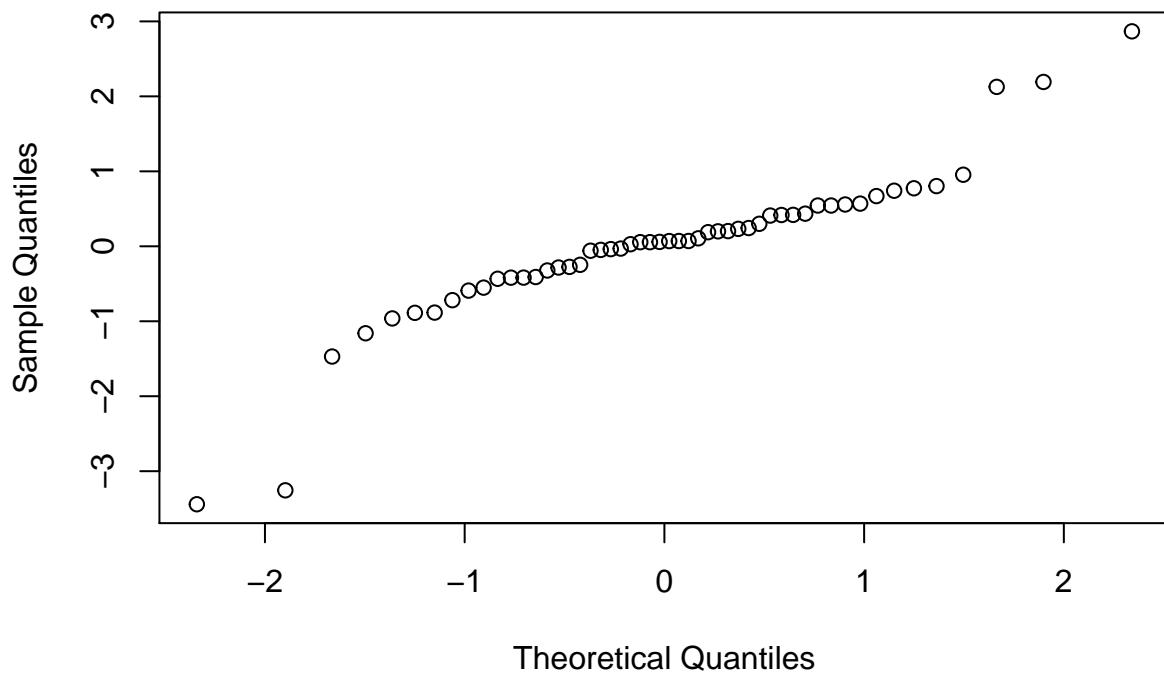
**Plot of PFHXStrans+  
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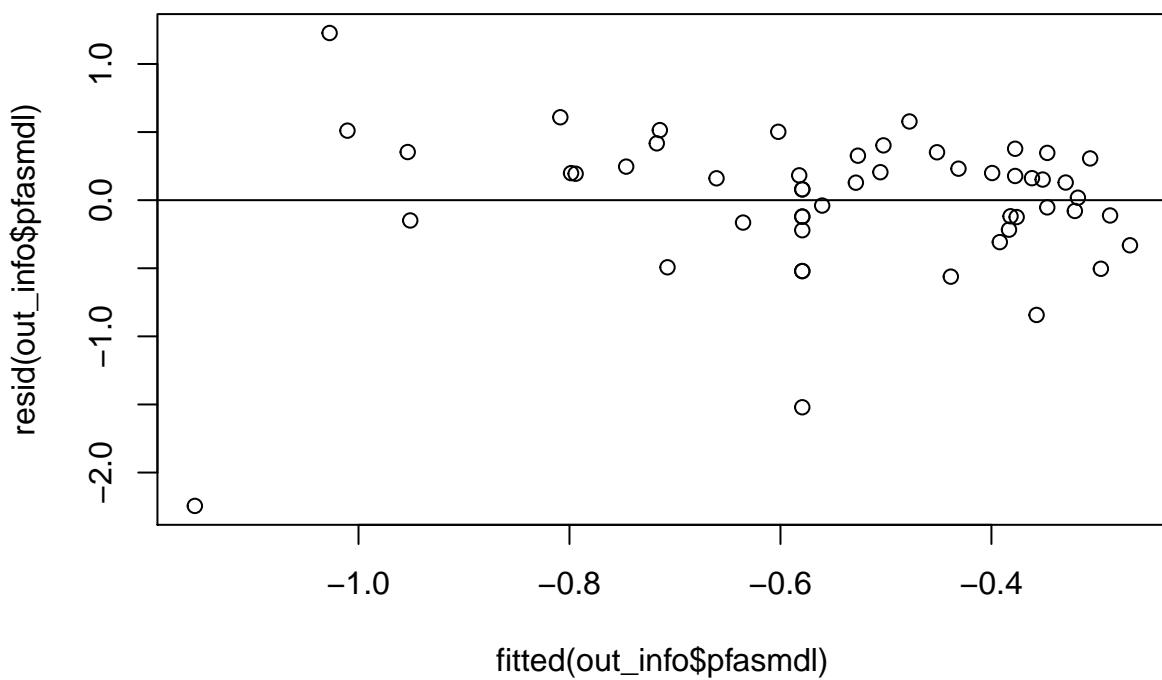
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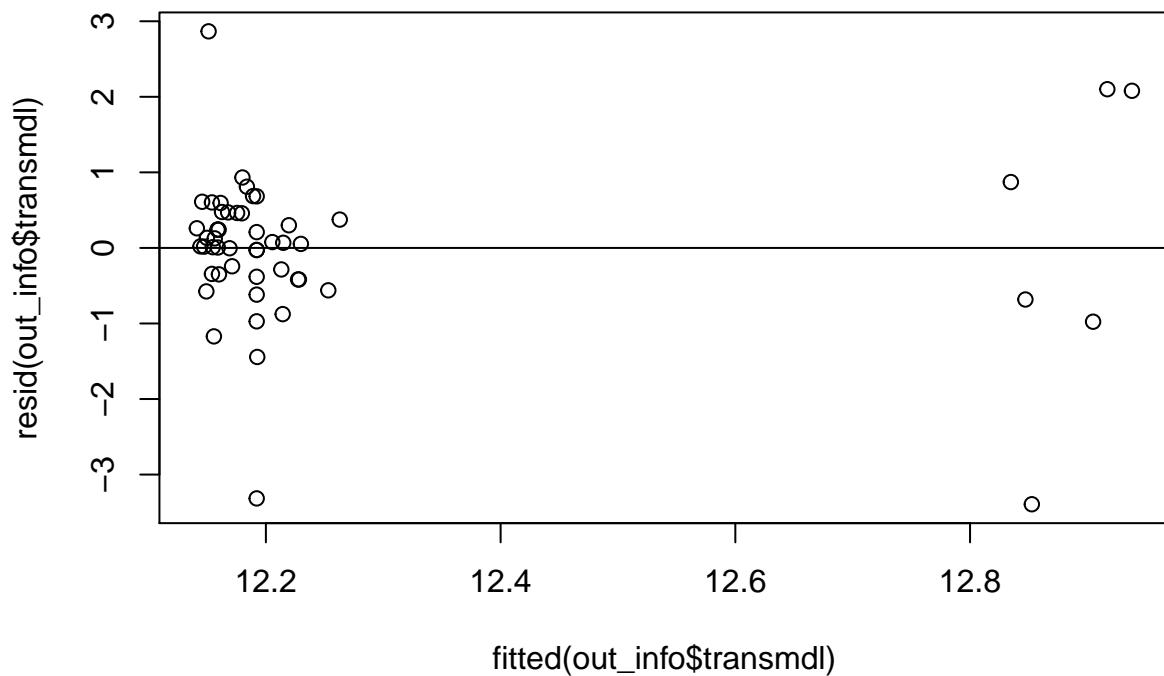
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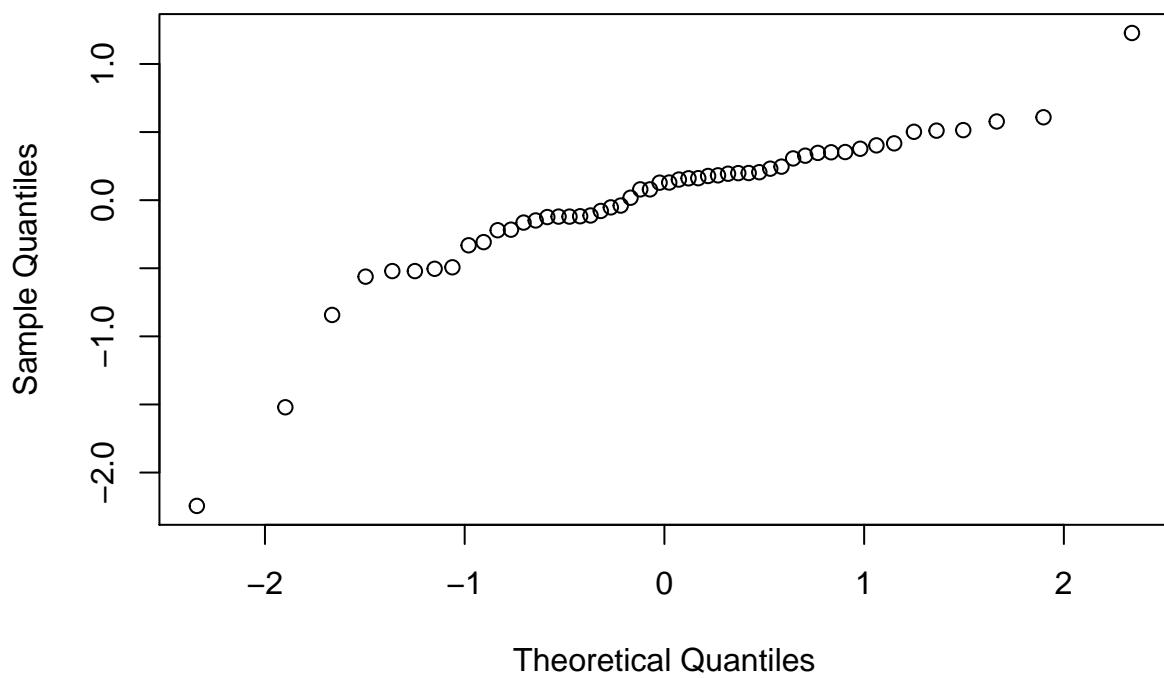
**Plot of nPFOAorig+  
Plot of nPFOAorigtime.since.baseline  
Plot of nPFOAorigEthnicity**



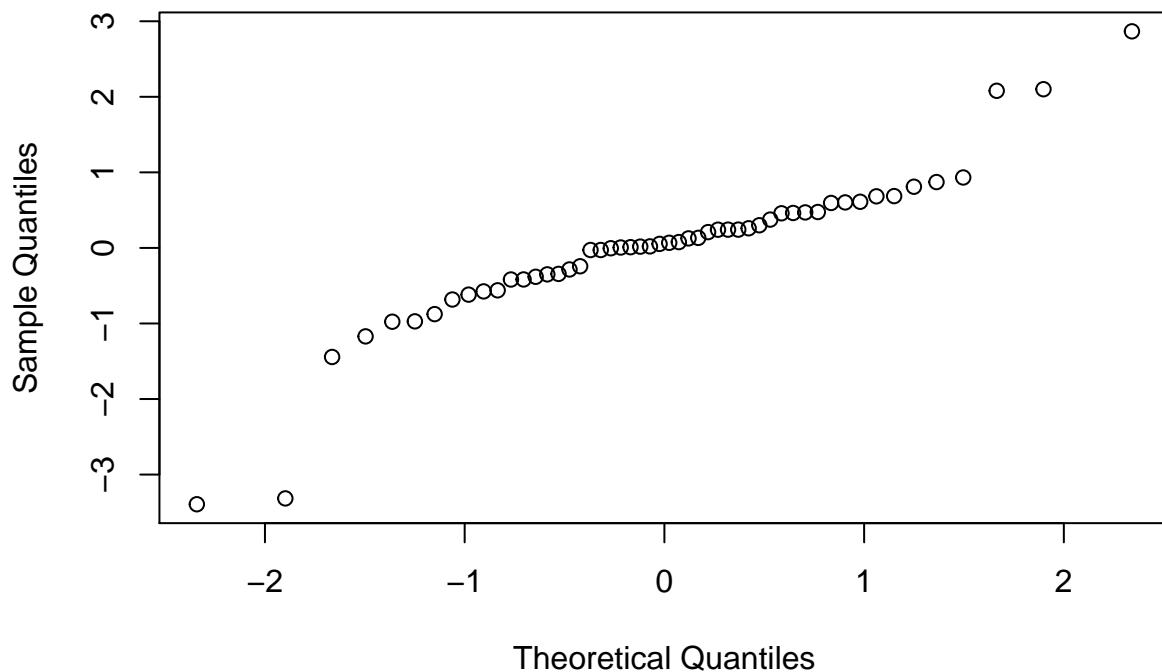
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Plot of PFHXStransEthnicity**



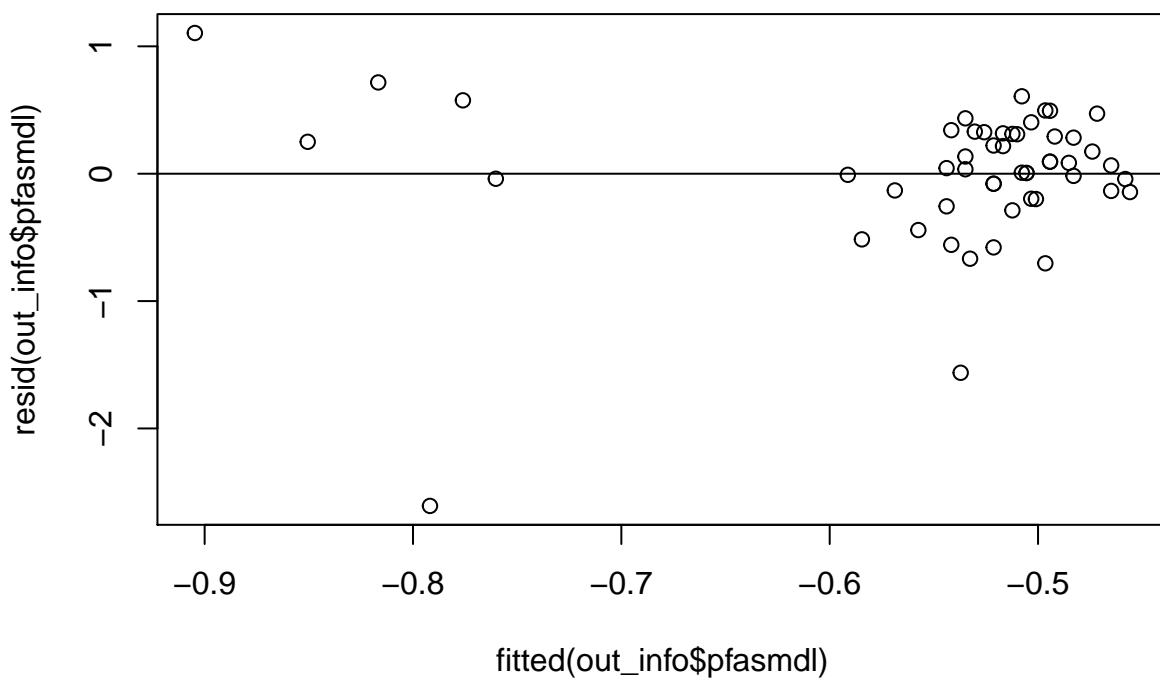
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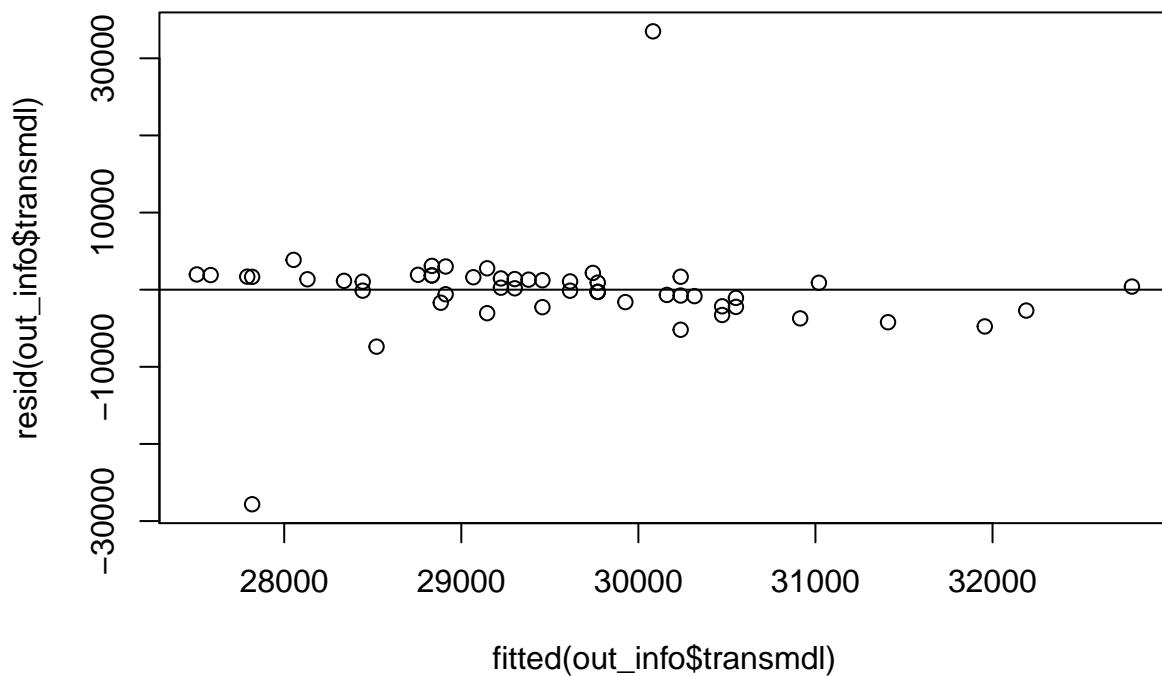
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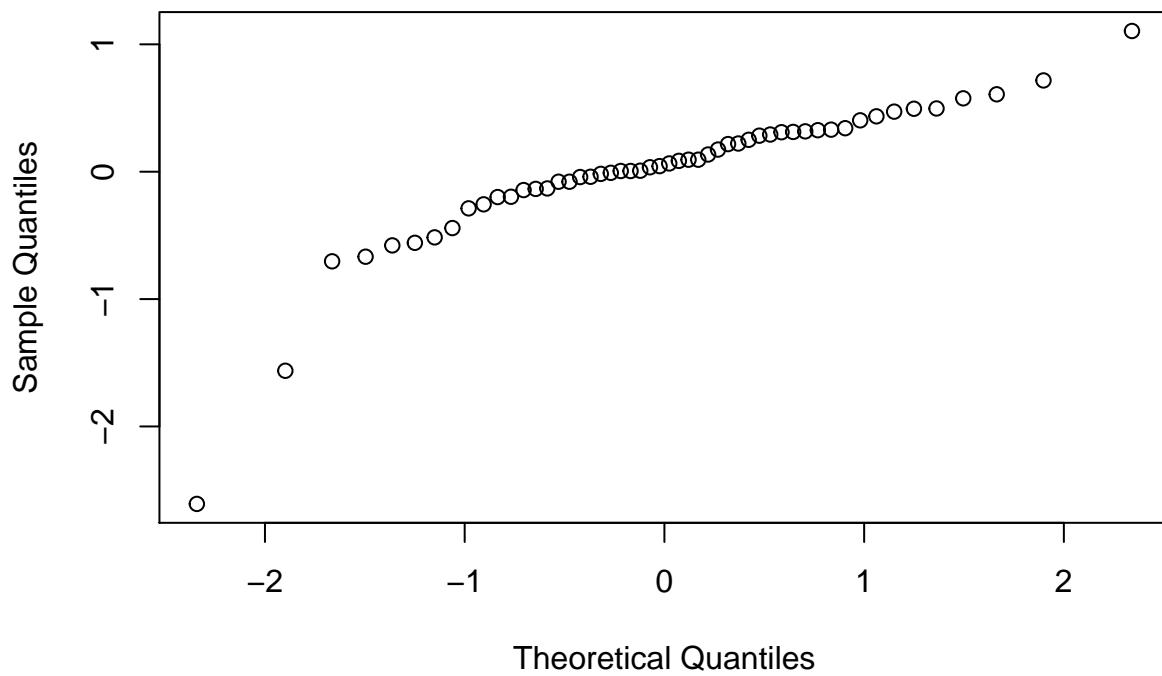
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.num.fireruns  
Plot of nPFOAorigEthnicity**



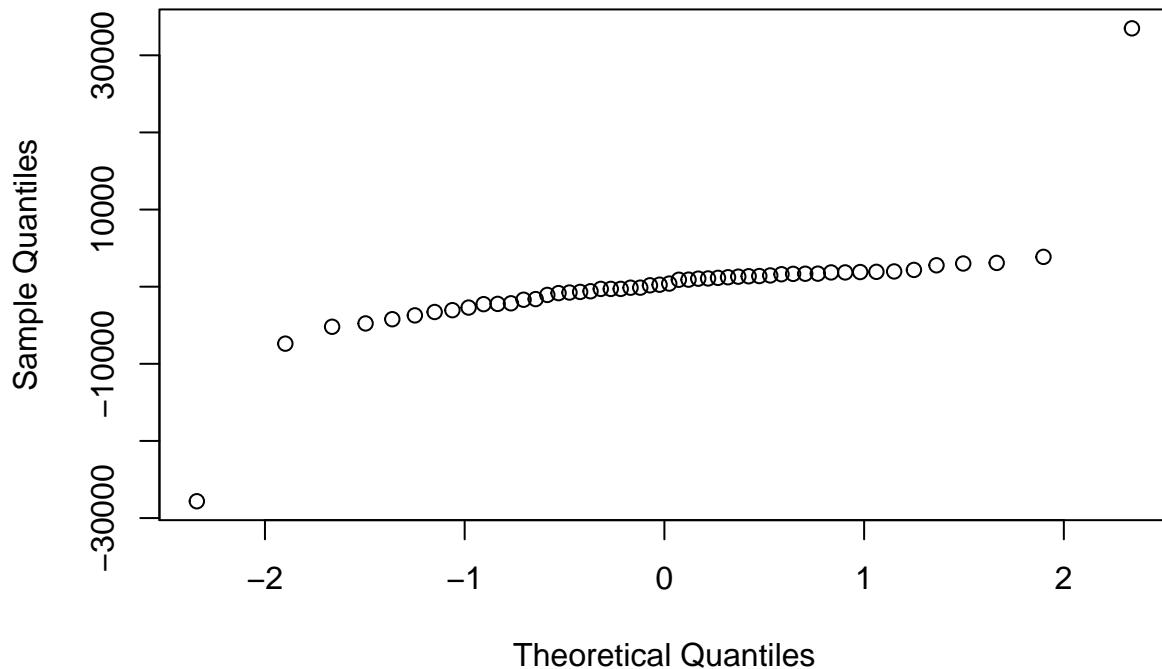
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Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



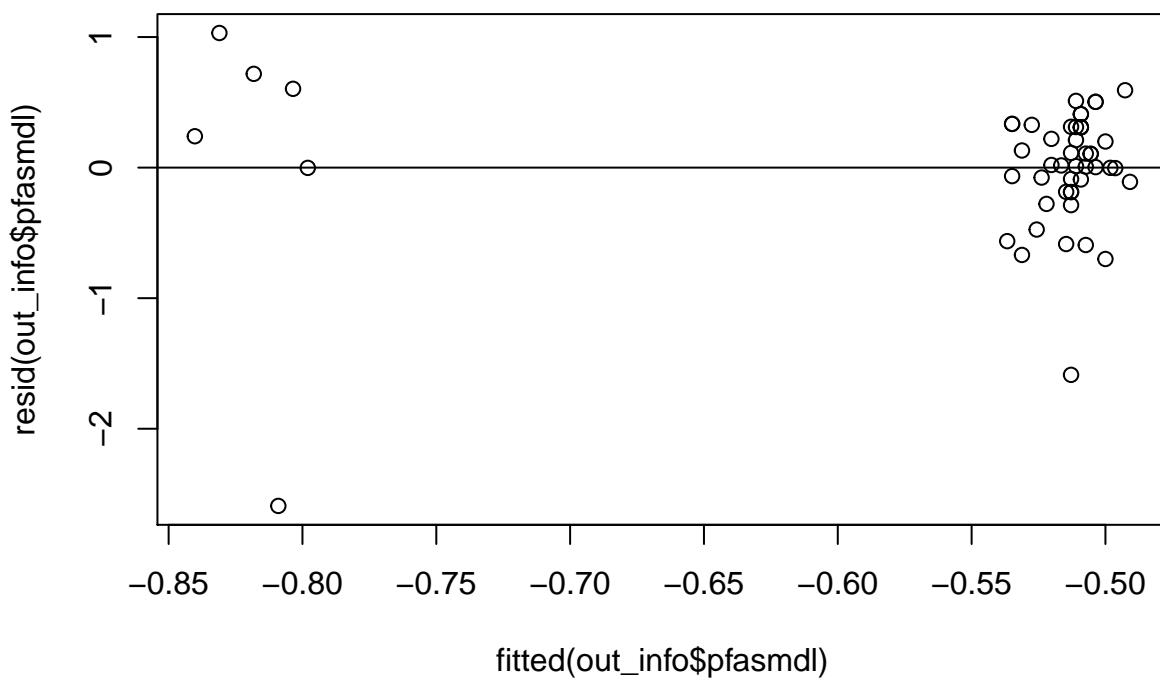
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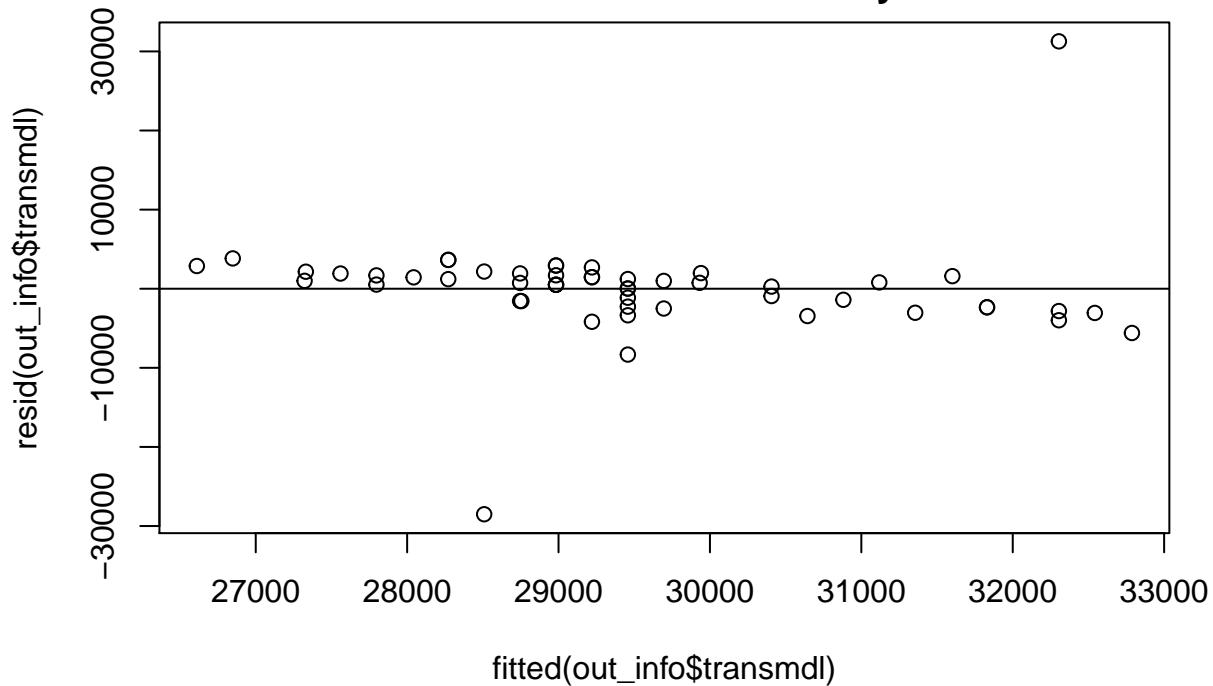
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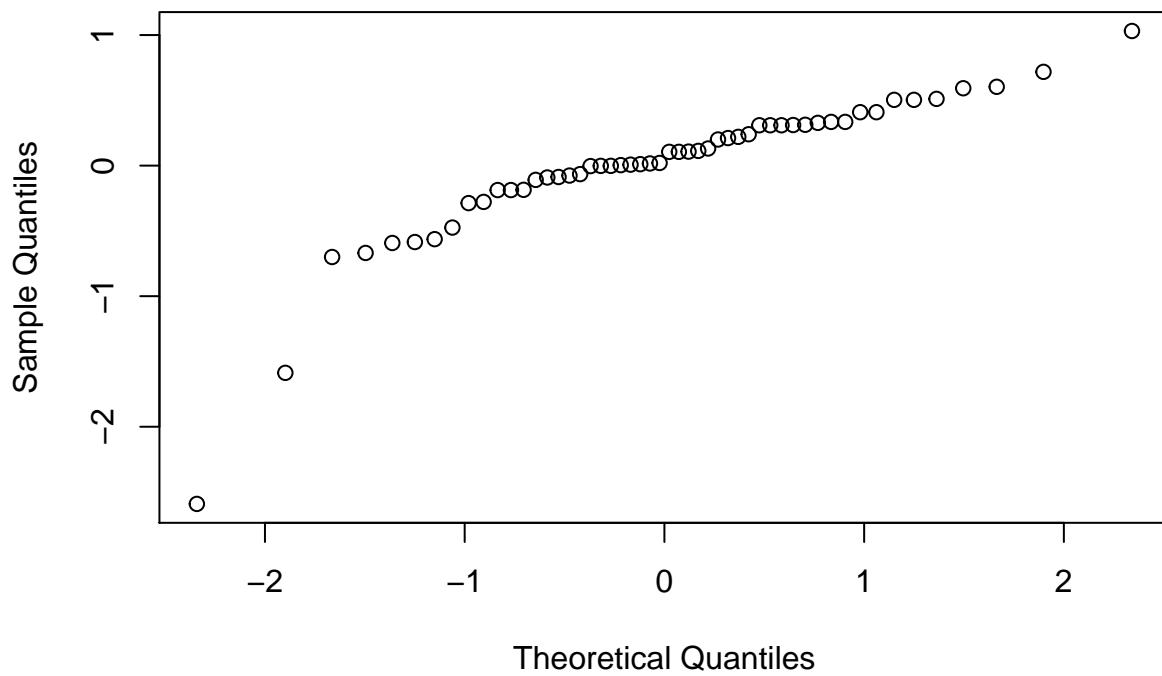
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Plot of fnPFOAorigstr.num.fireruns  
Plot of fnPFOAorigEthnicity**



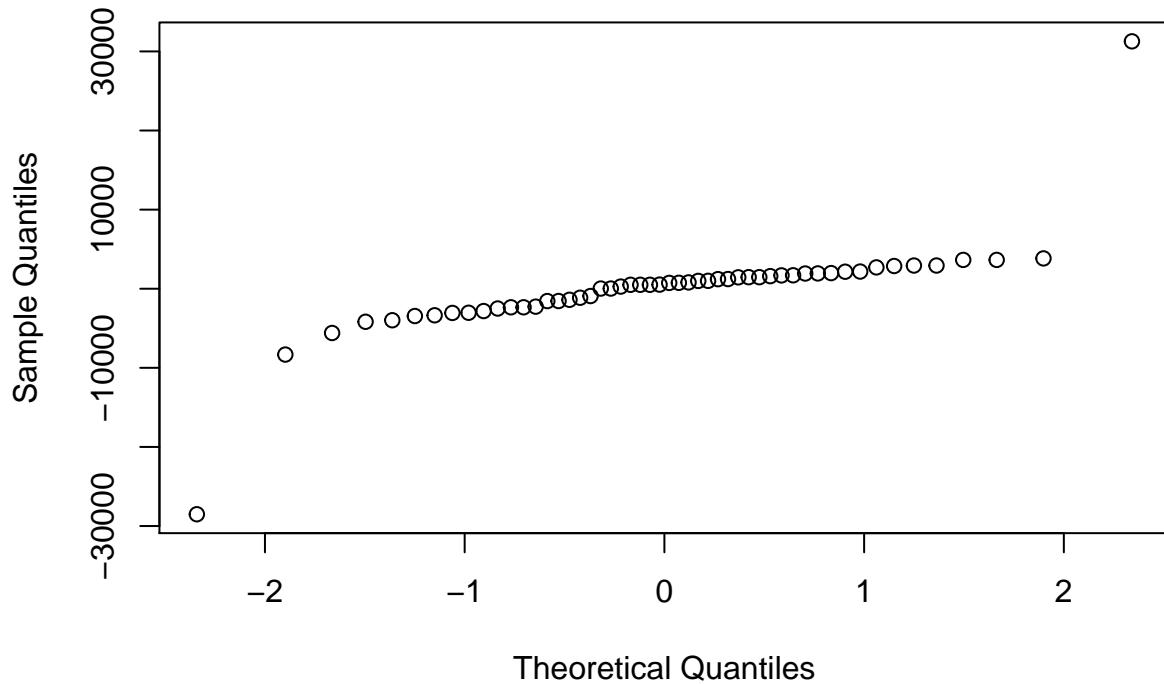
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Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**



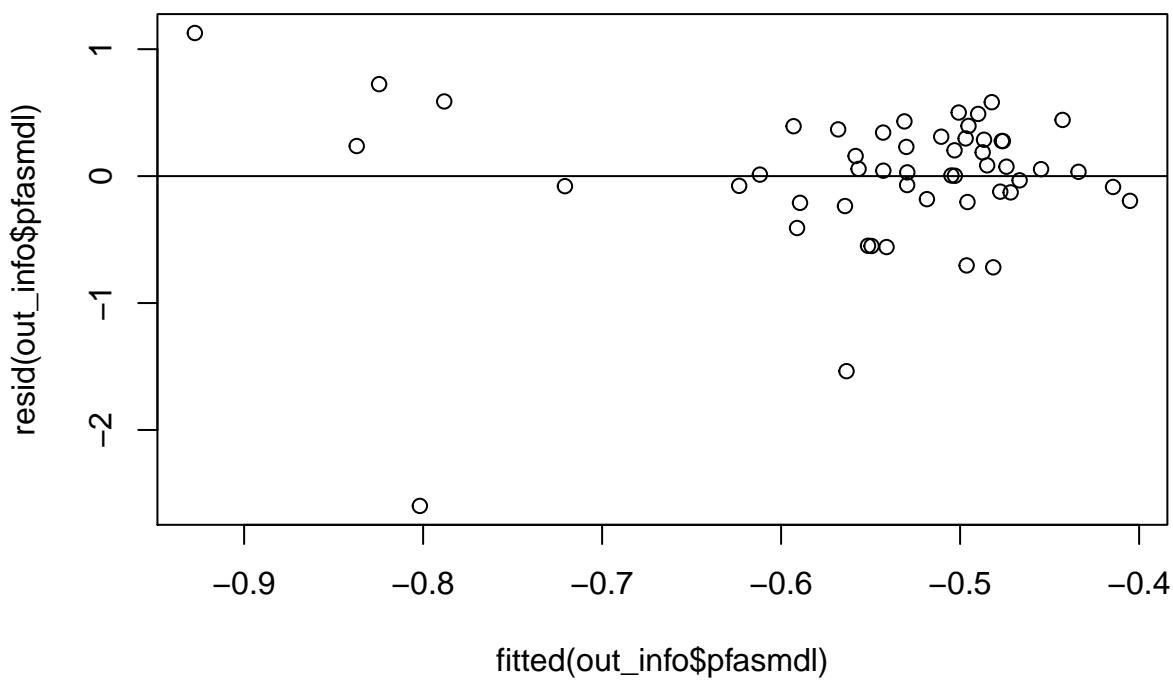
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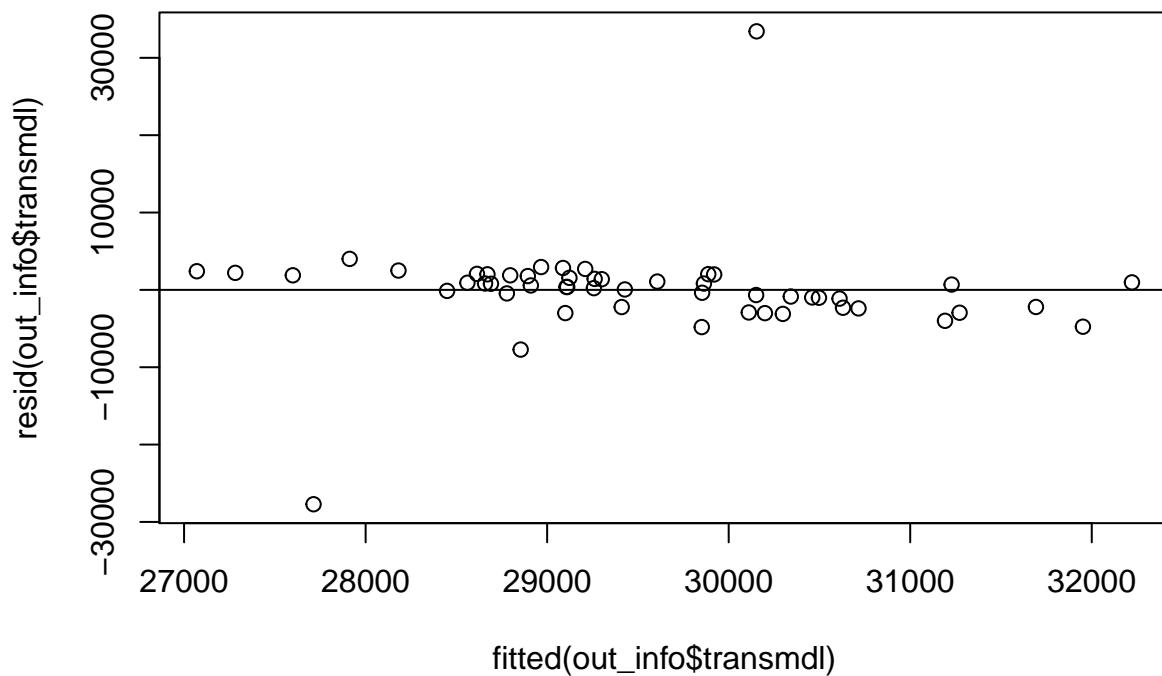
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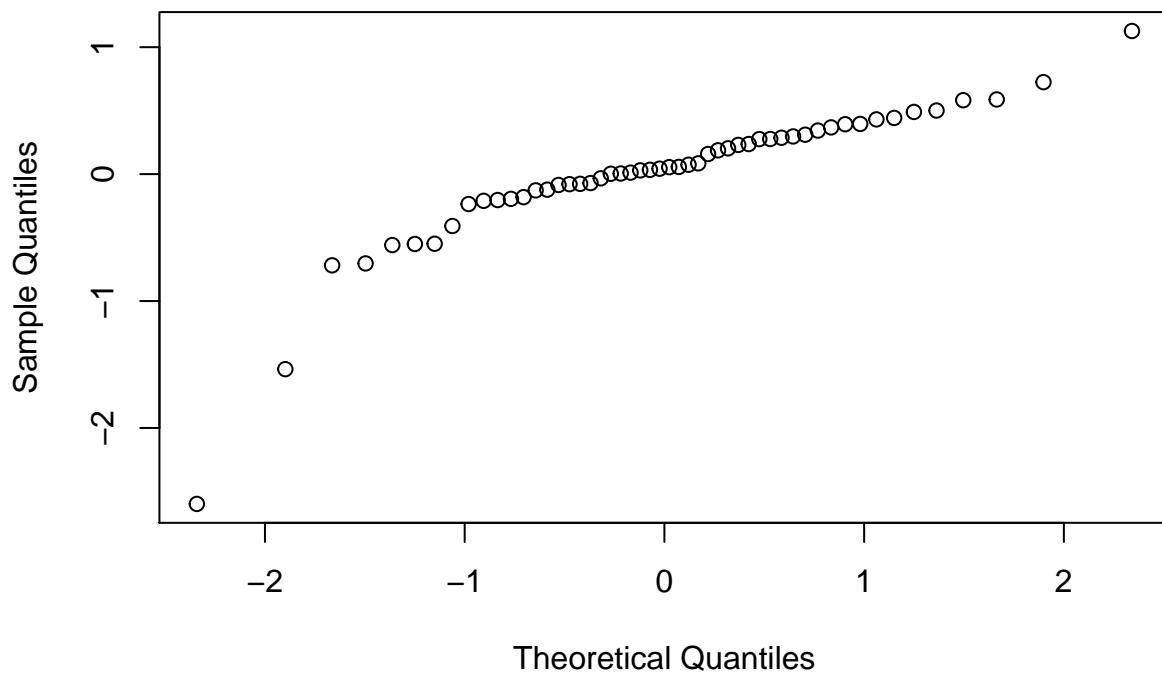
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Plot of nPFOAorigtotal.duration.hrs  
Plot of nPFOAorigEthnicity**



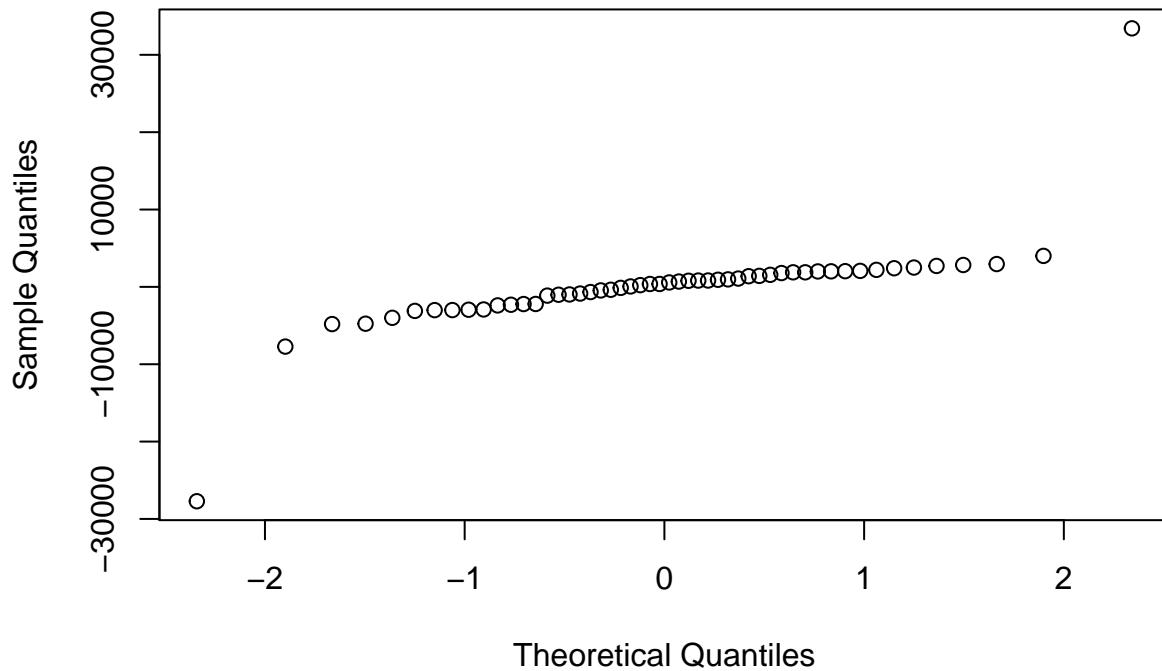
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Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



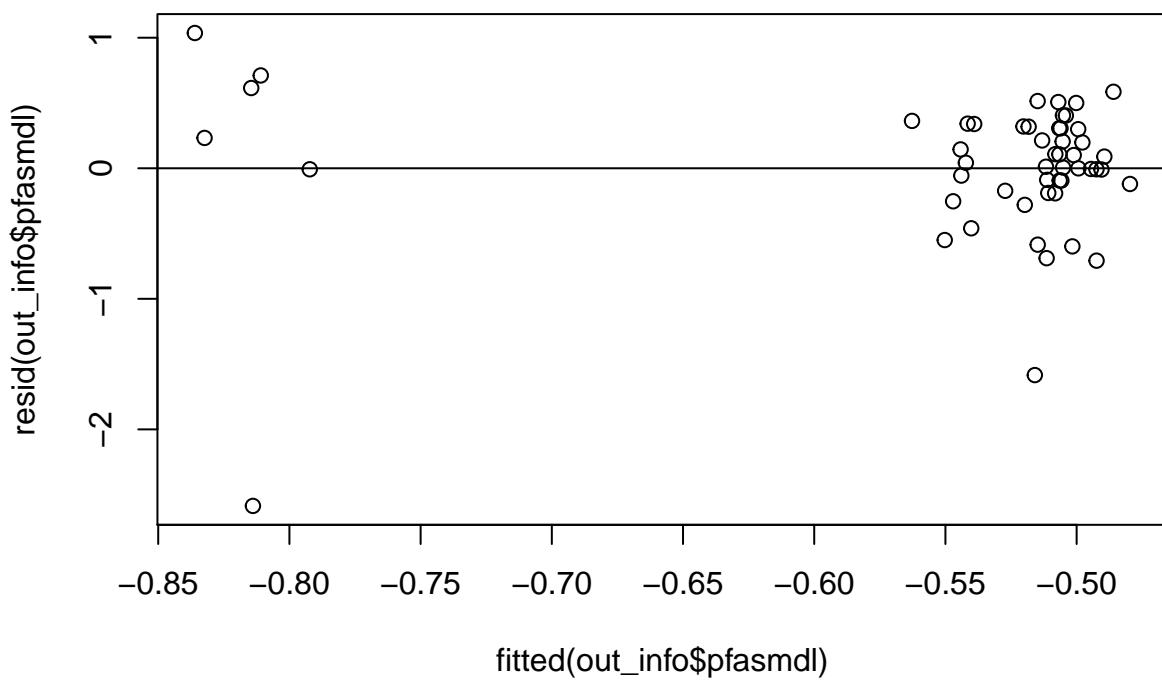
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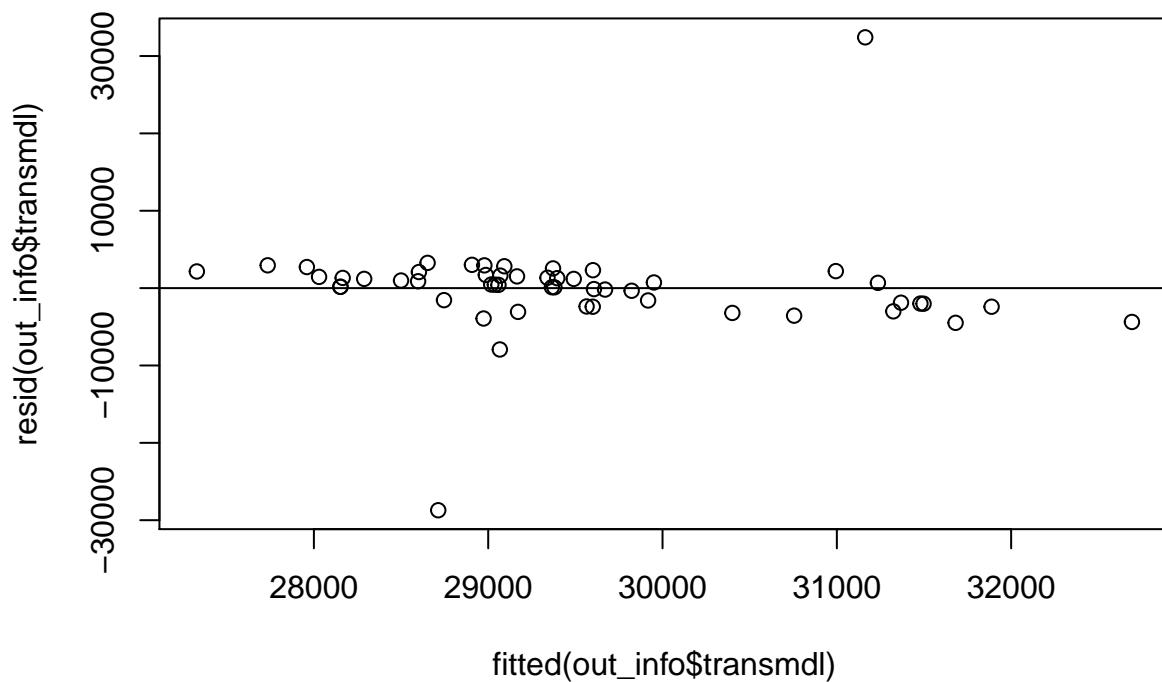
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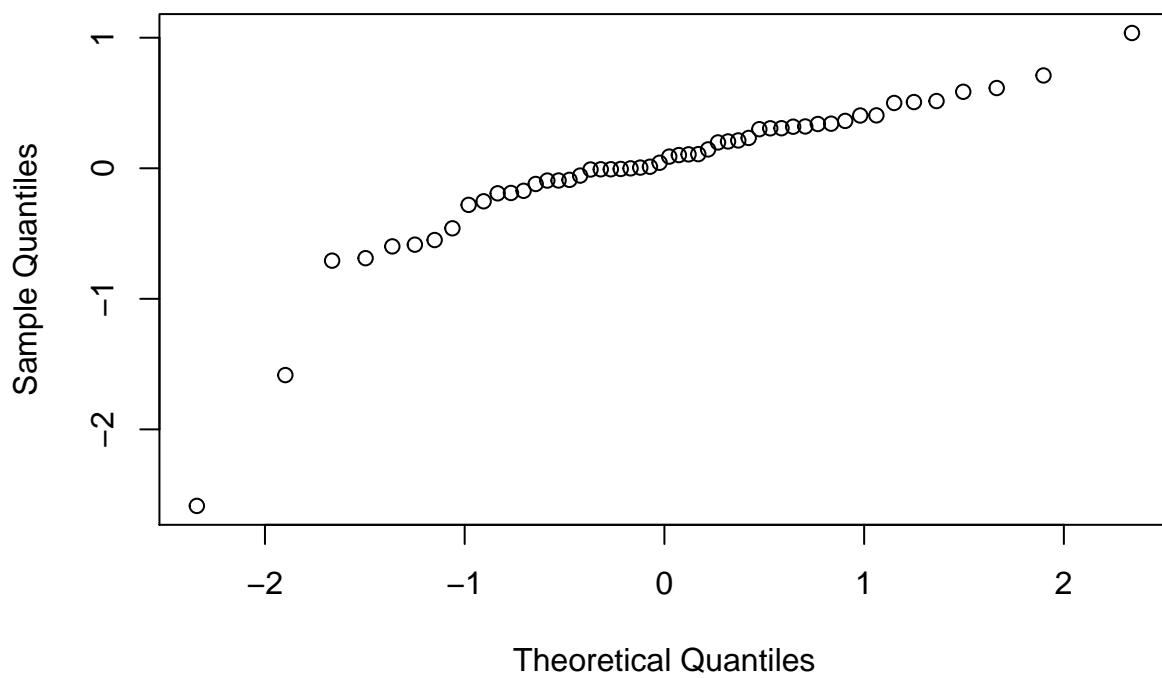
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Plot of fnPFOAorigEthnicity**



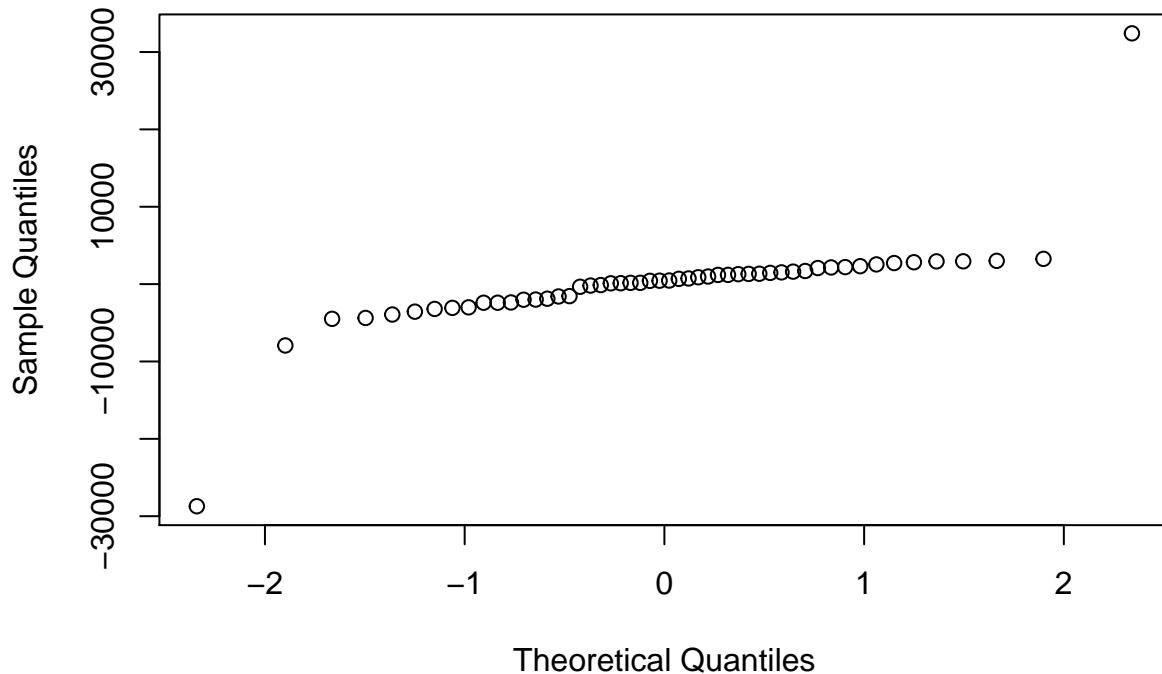
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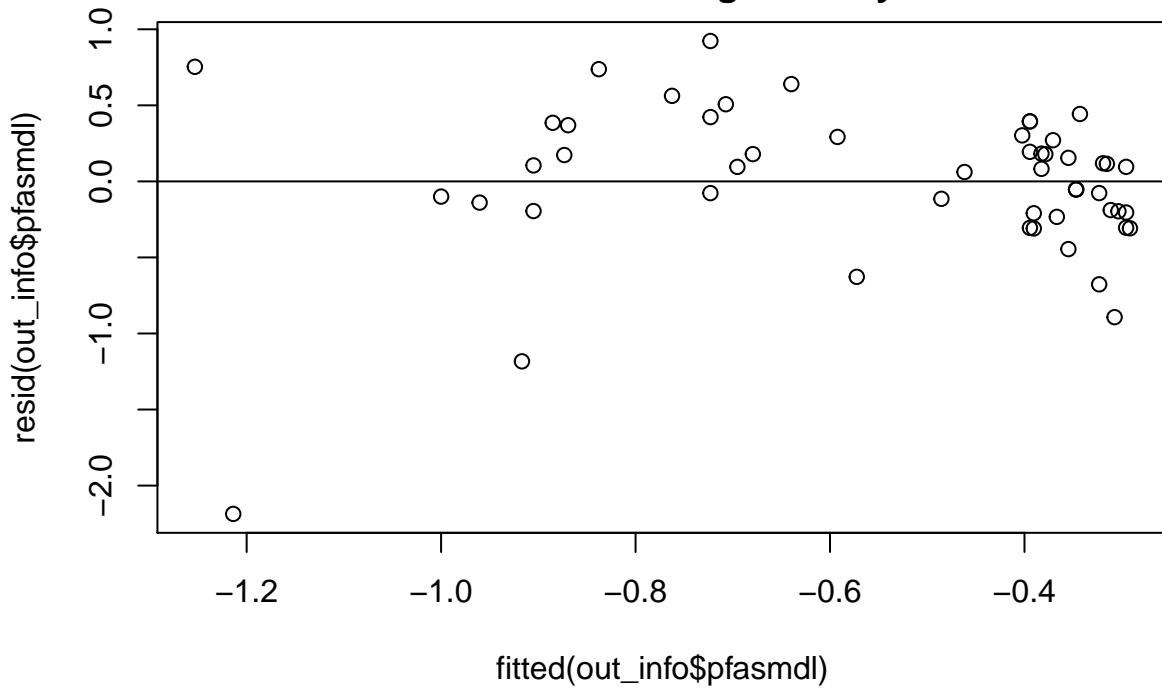
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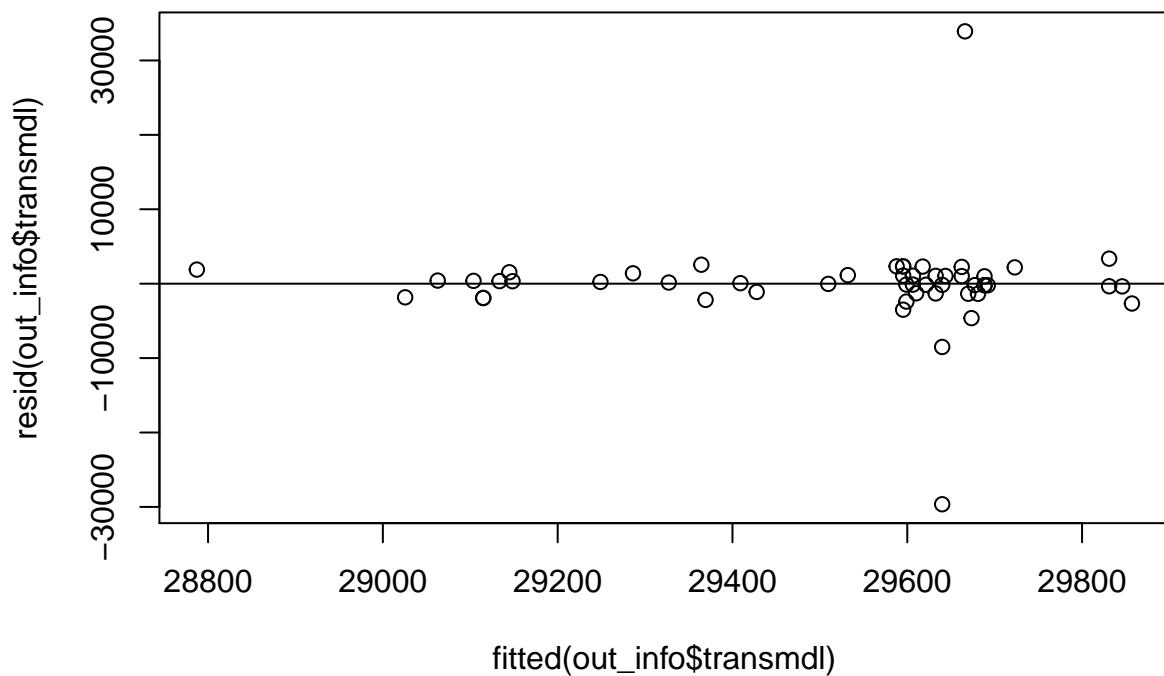
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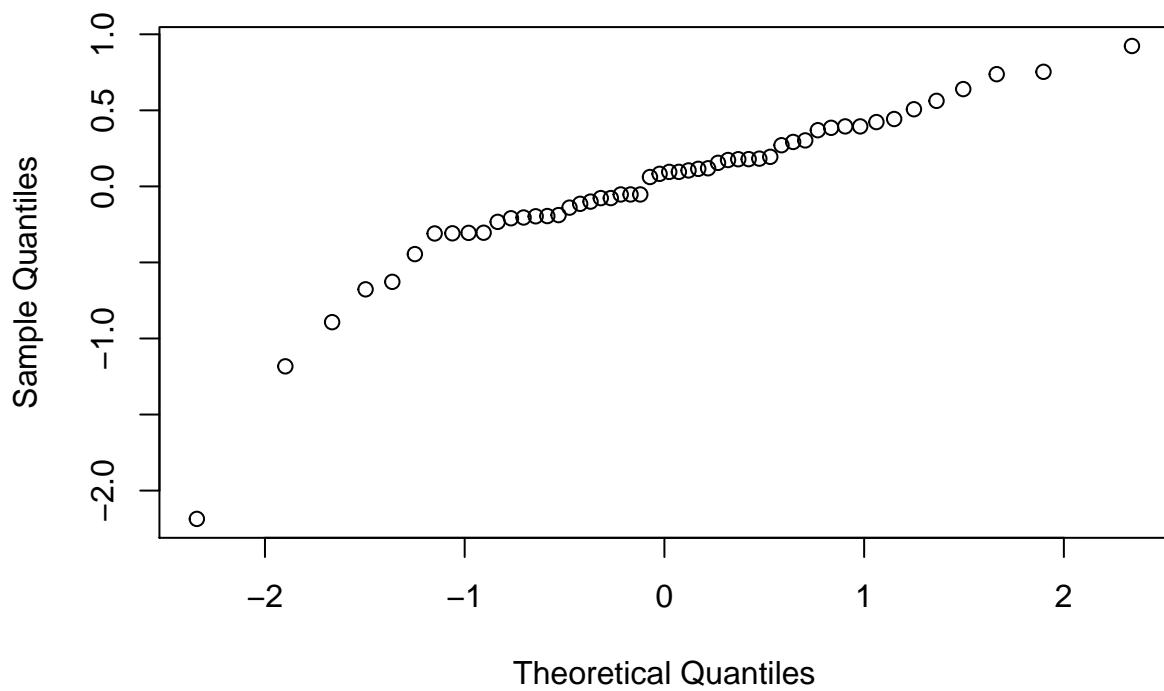
**Plot of nPFOAorig+  
Plot of nPFOAorigdays.since.MRF  
Plot of nPFOAorigEthnicity**



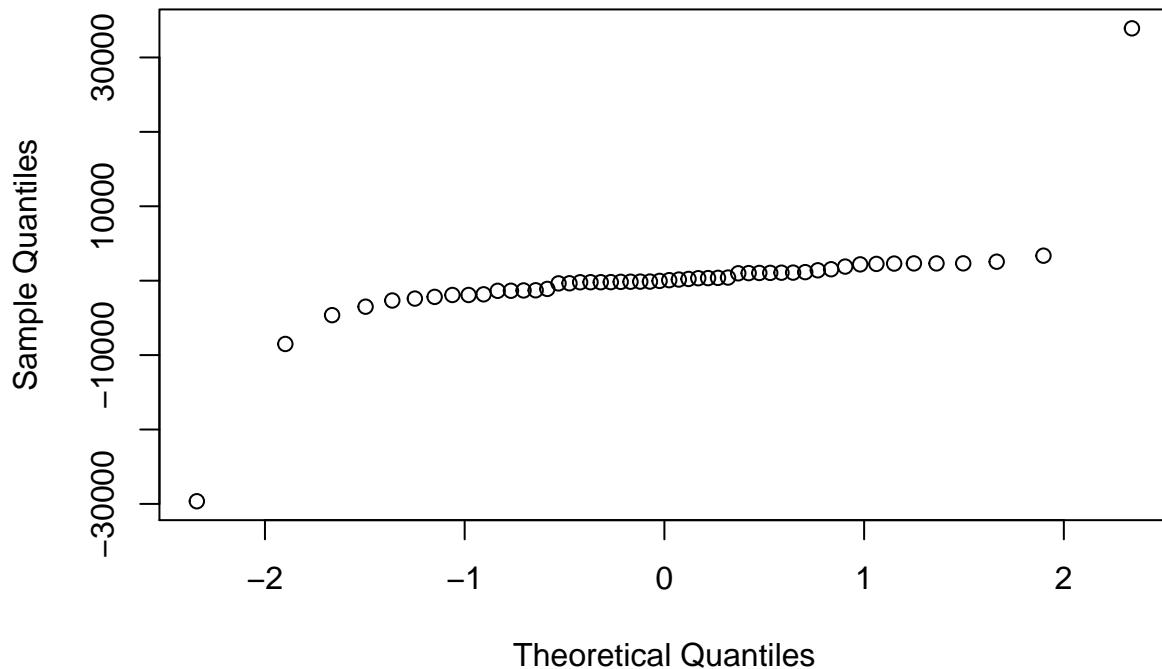
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Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



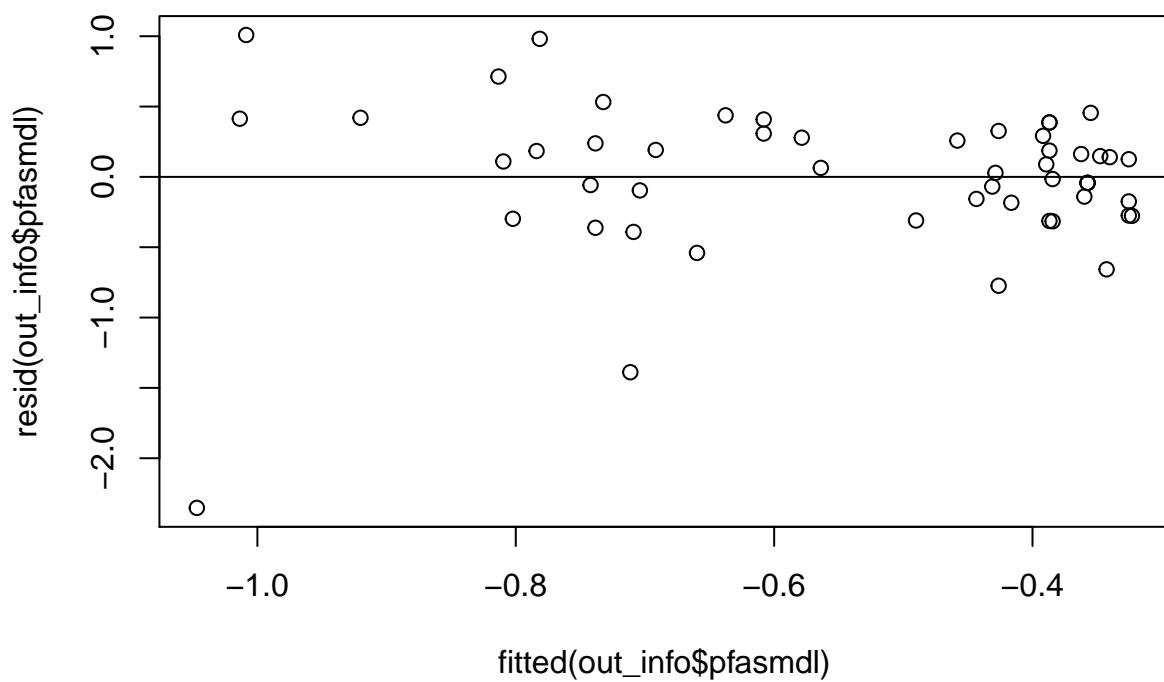
**Normal Q-Q Plot**



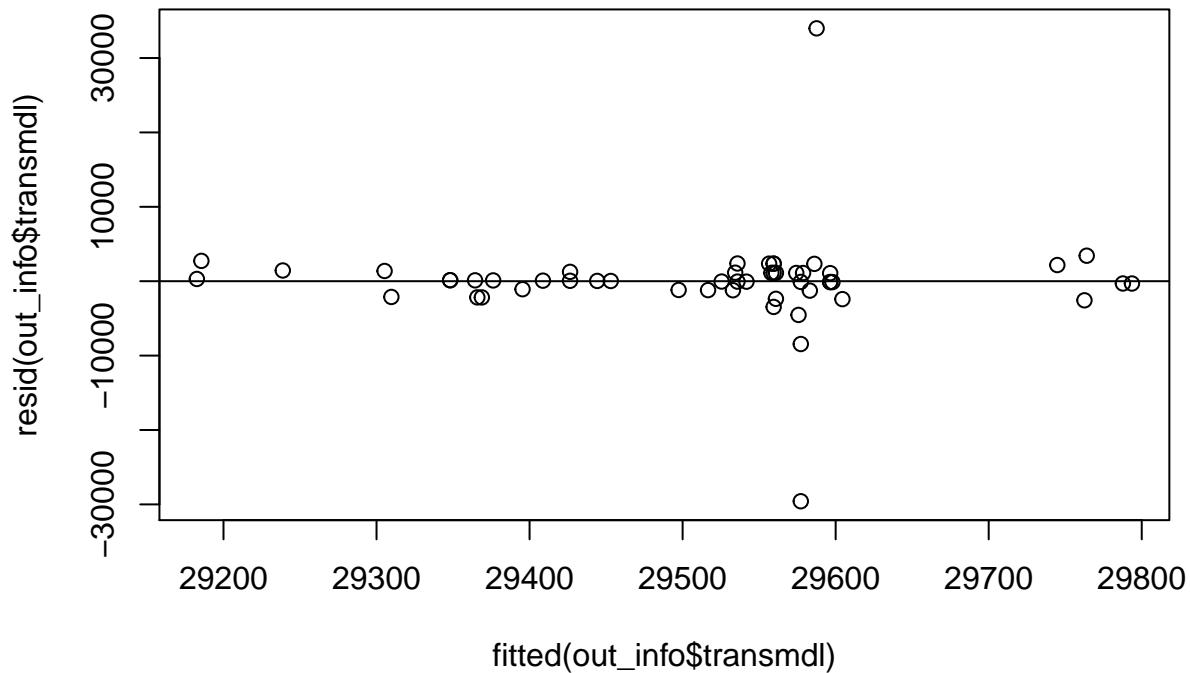
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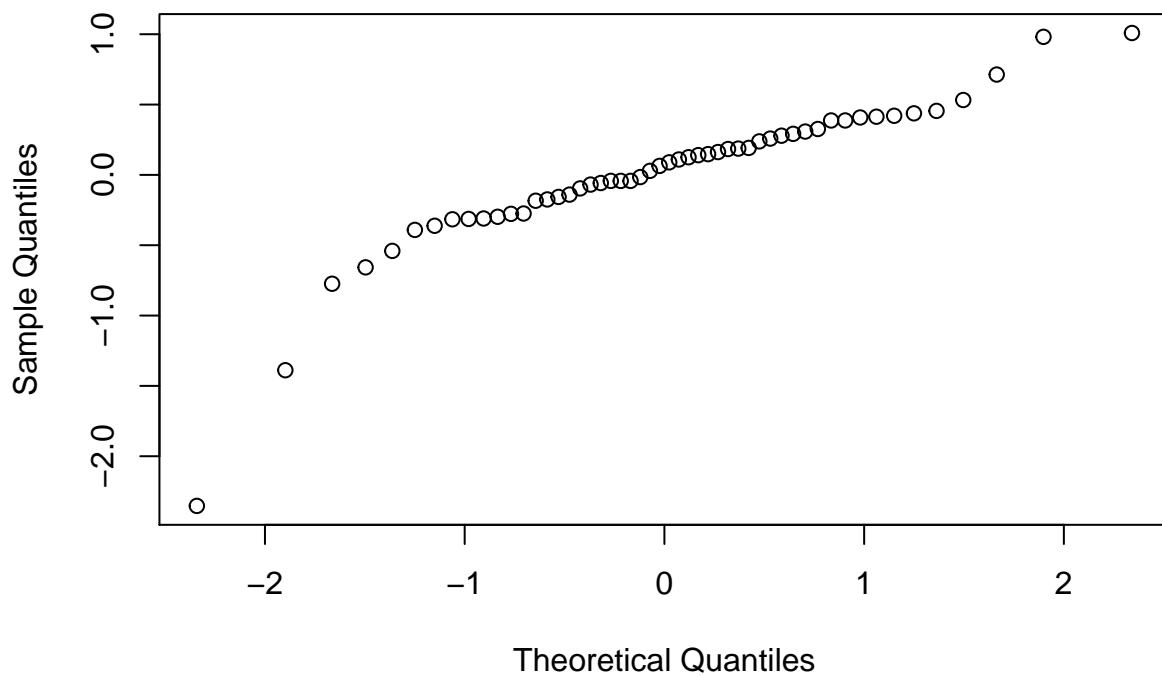
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Plot of fnPFOAorigdays.since.struc.MRF  
Plot of fnPFOAorigEthnicity**



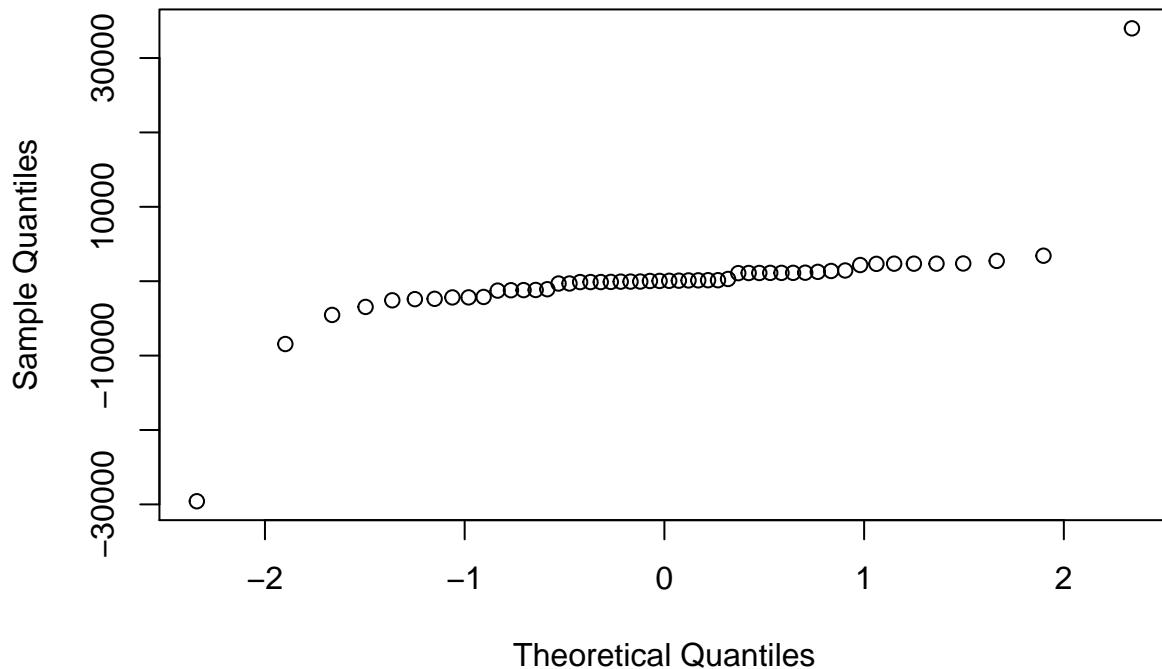
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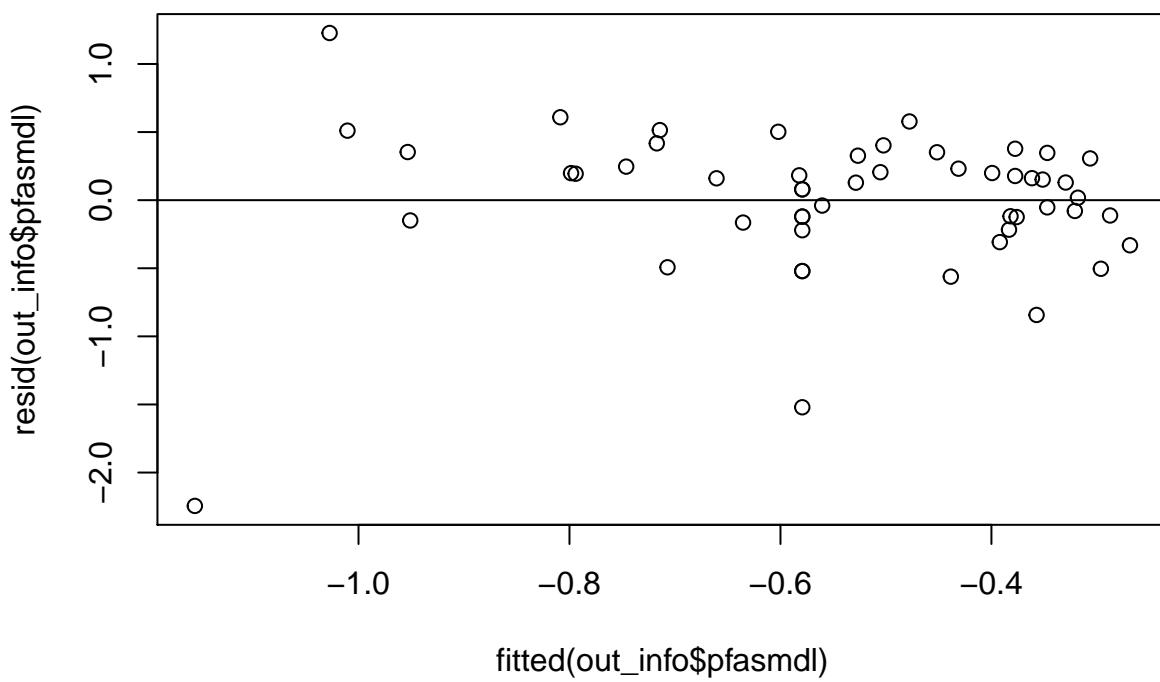
**Normal Q-Q Plot**



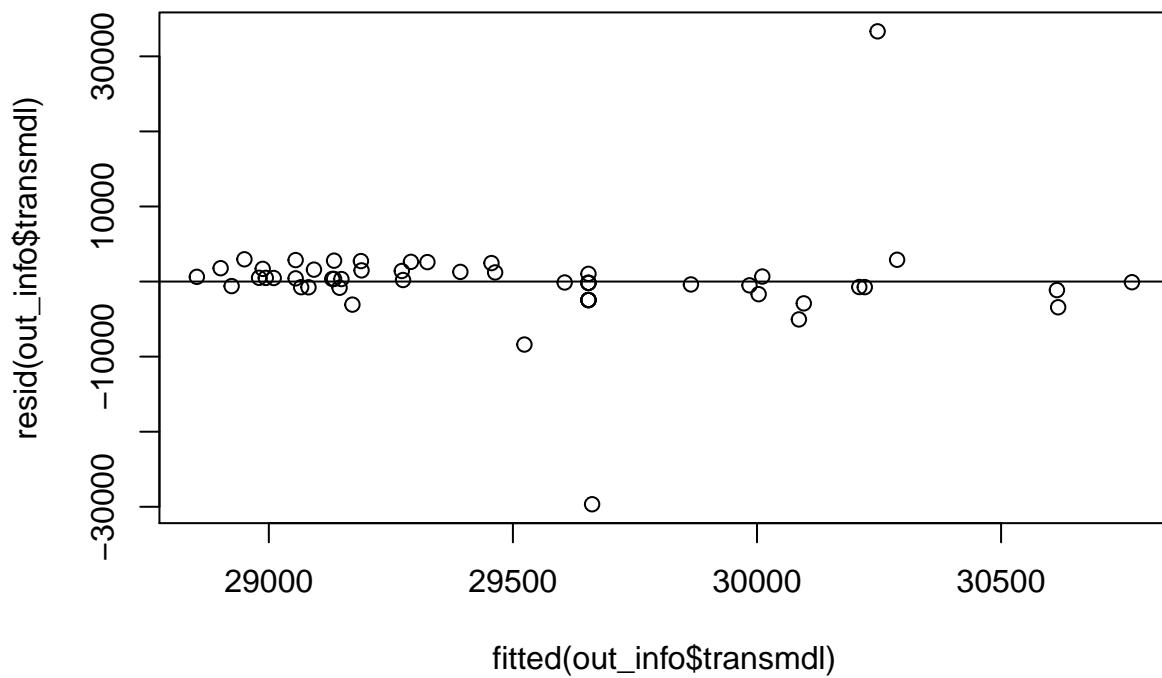
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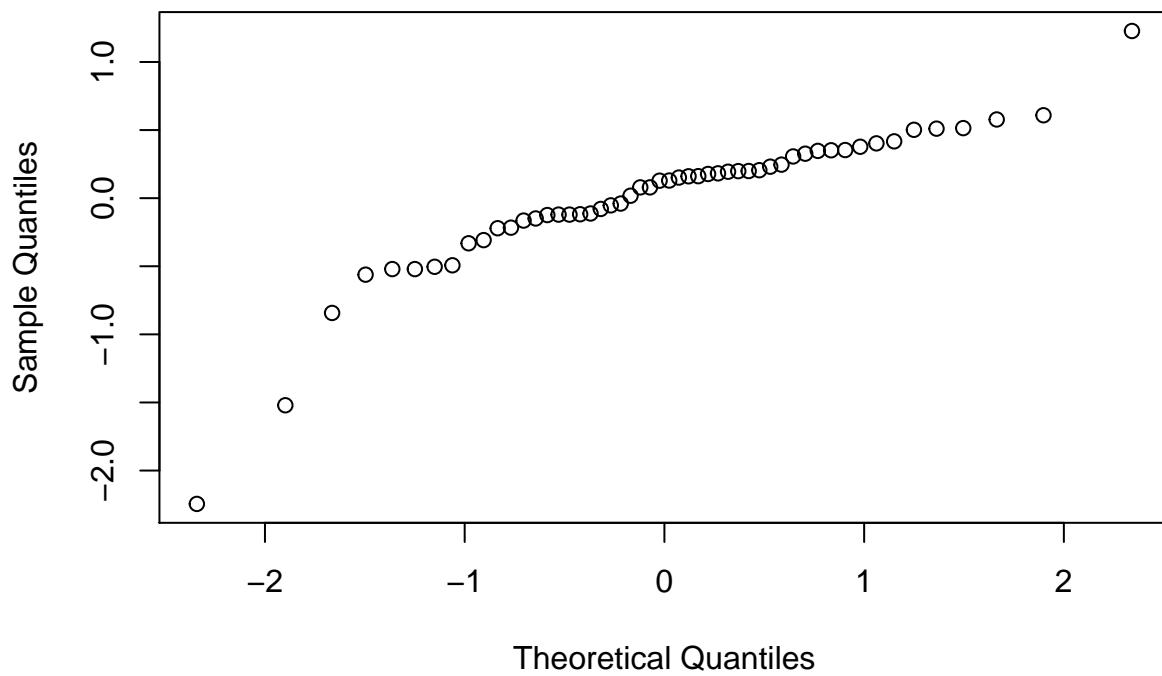
**Plot of fnPFOAorig+  
Plot of fnPFOAorigtime.since.baseline  
Plot of fnPFOAorigEthnicity**



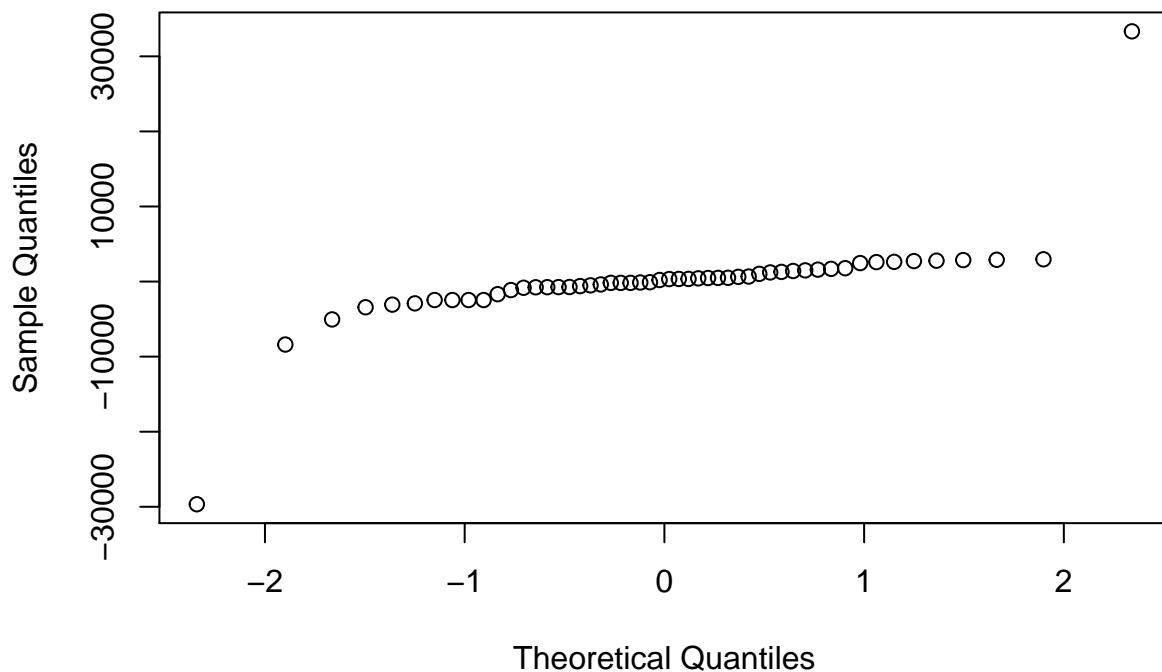
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Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



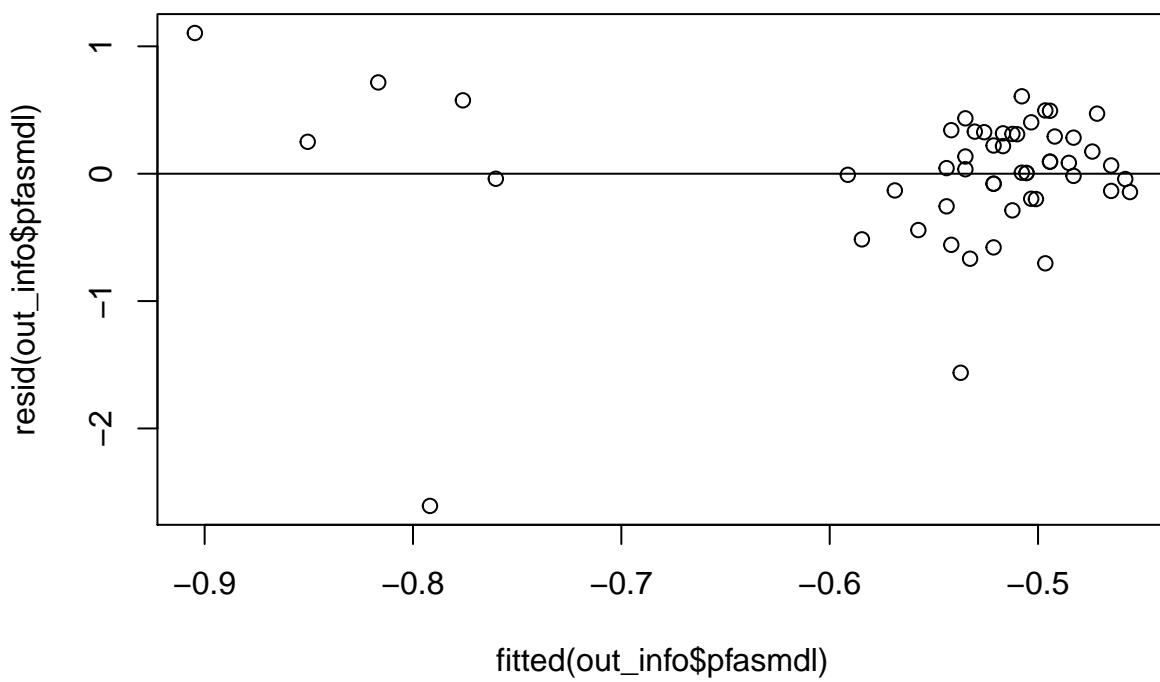
**Normal Q-Q Plot**



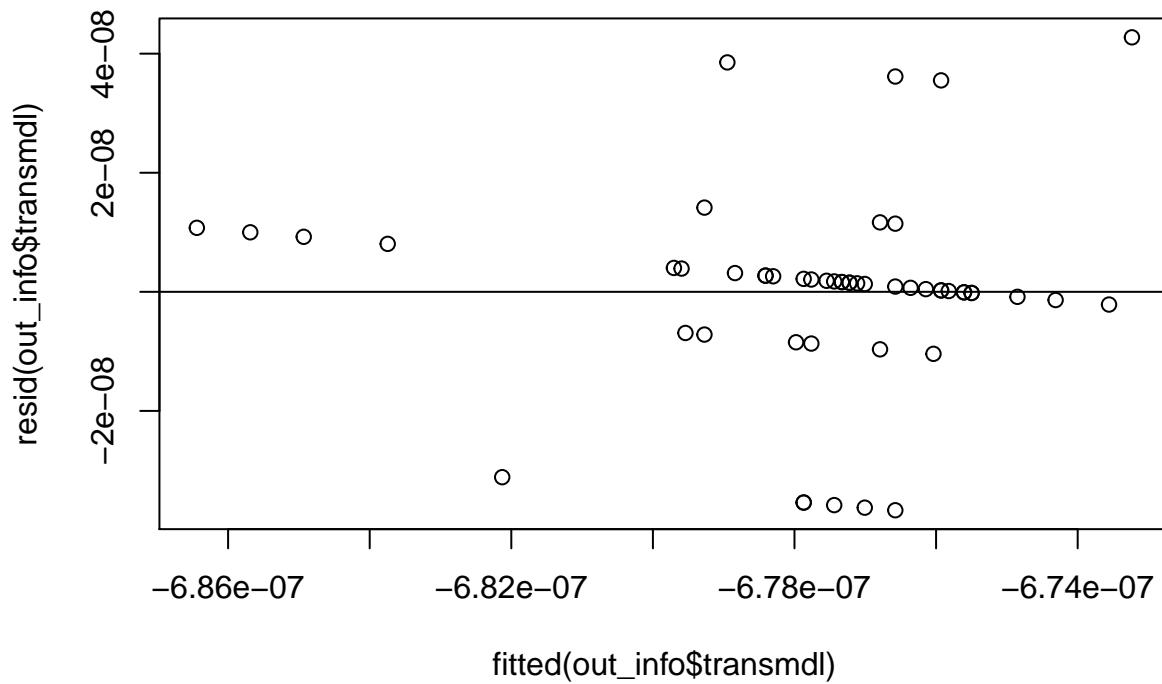
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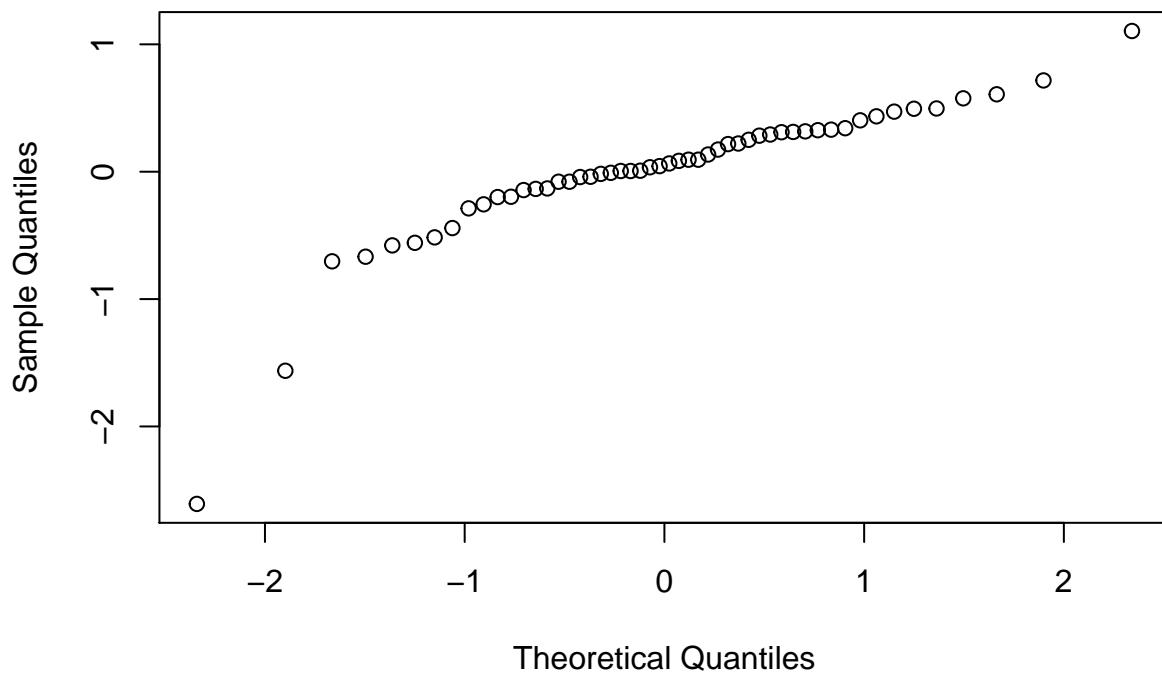
**Plot of fnPFOAorig+  
Plot of fnPFOAorigtotal.num.fireruns  
Plot of fnPFOAorigEthnicity**



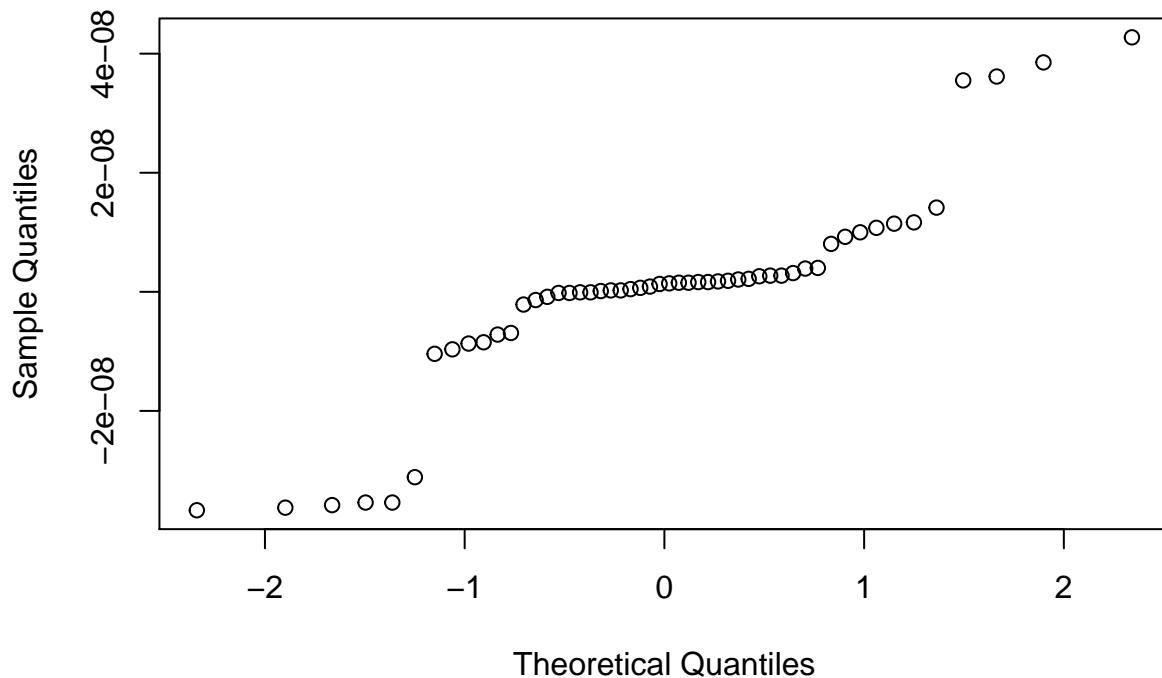
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Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**



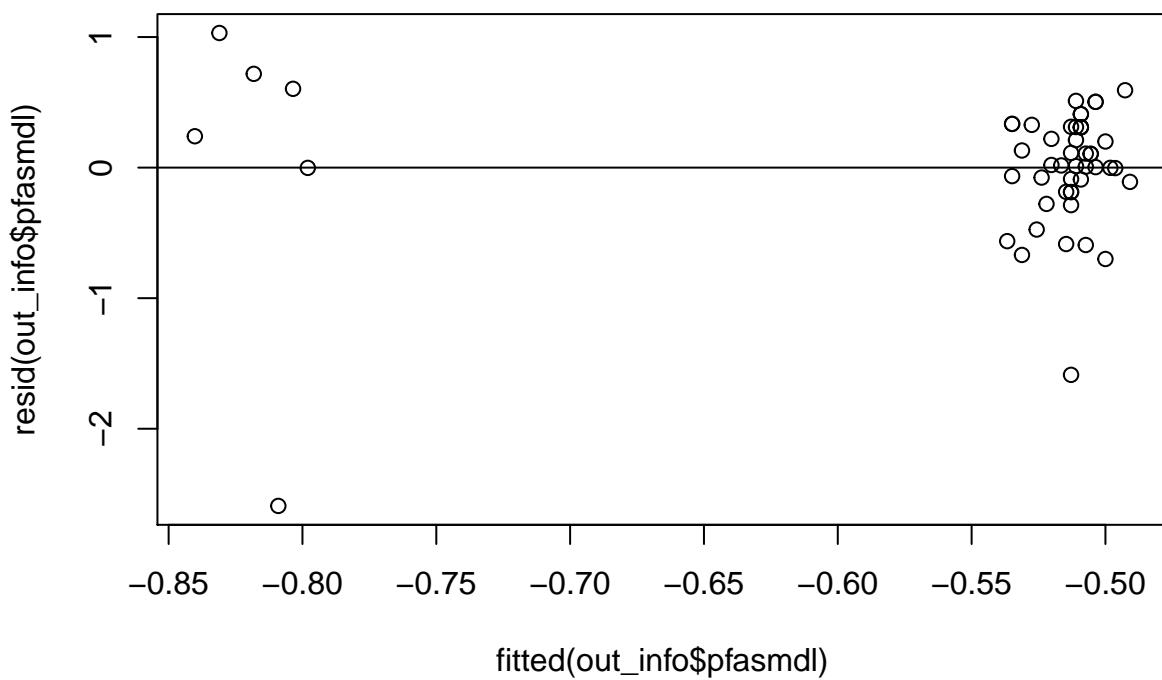
**Normal Q-Q Plot**



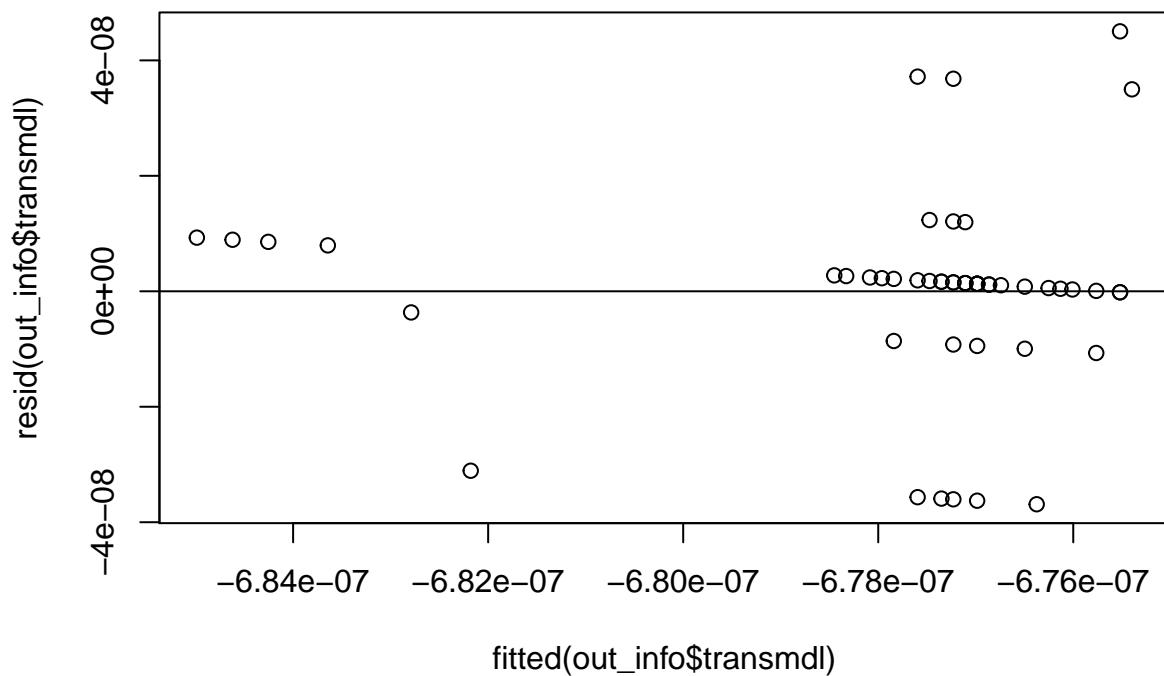
### Normal Q-Q Plot



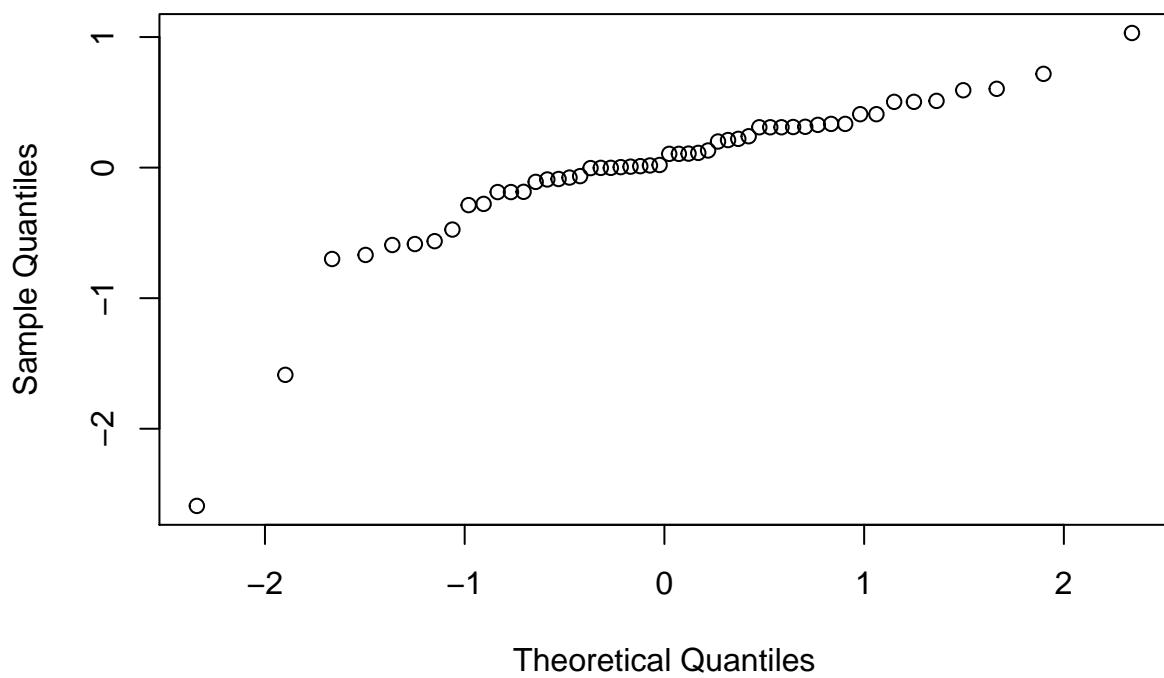
**Plot of fnPFOAorig+  
Plot of fnPFOAorigstr.num.fireruns  
Plot of fnPFOAorigEthnicity**



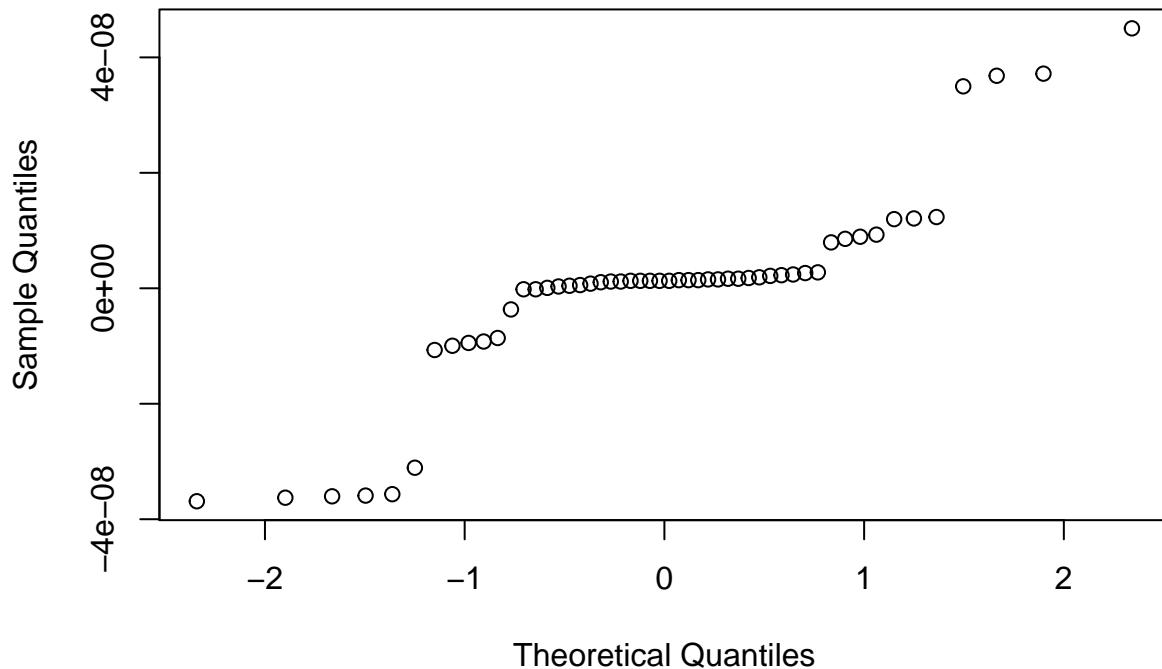
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



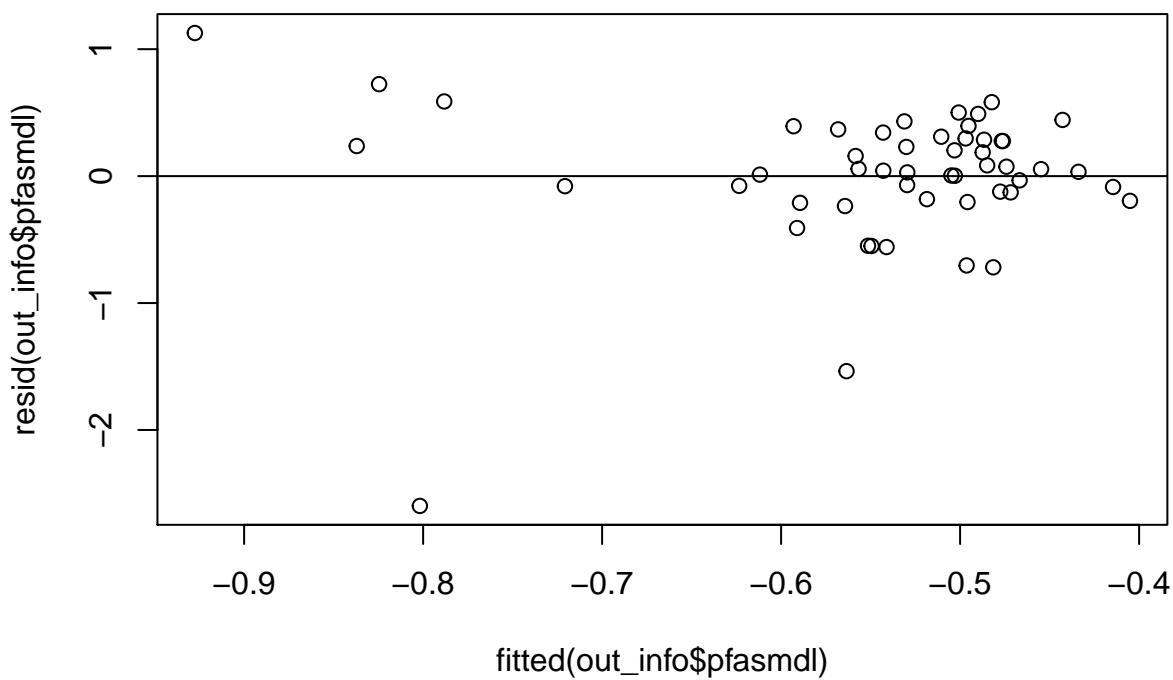
**Normal Q-Q Plot**



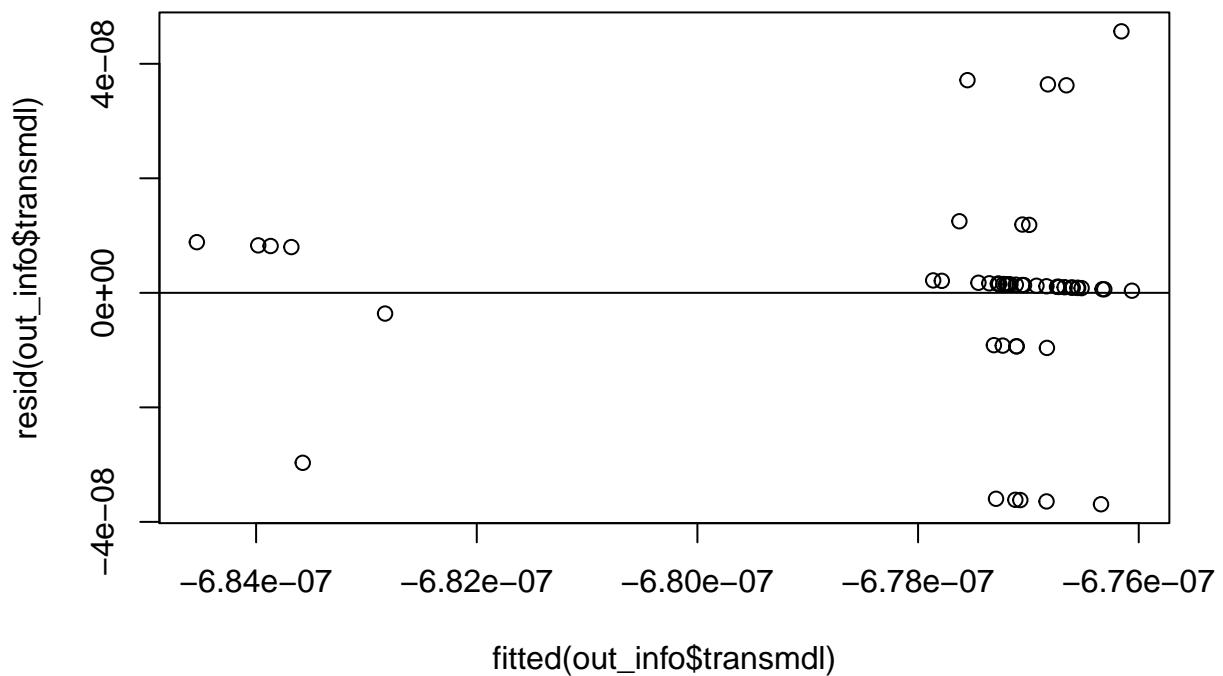
### Normal Q-Q Plot



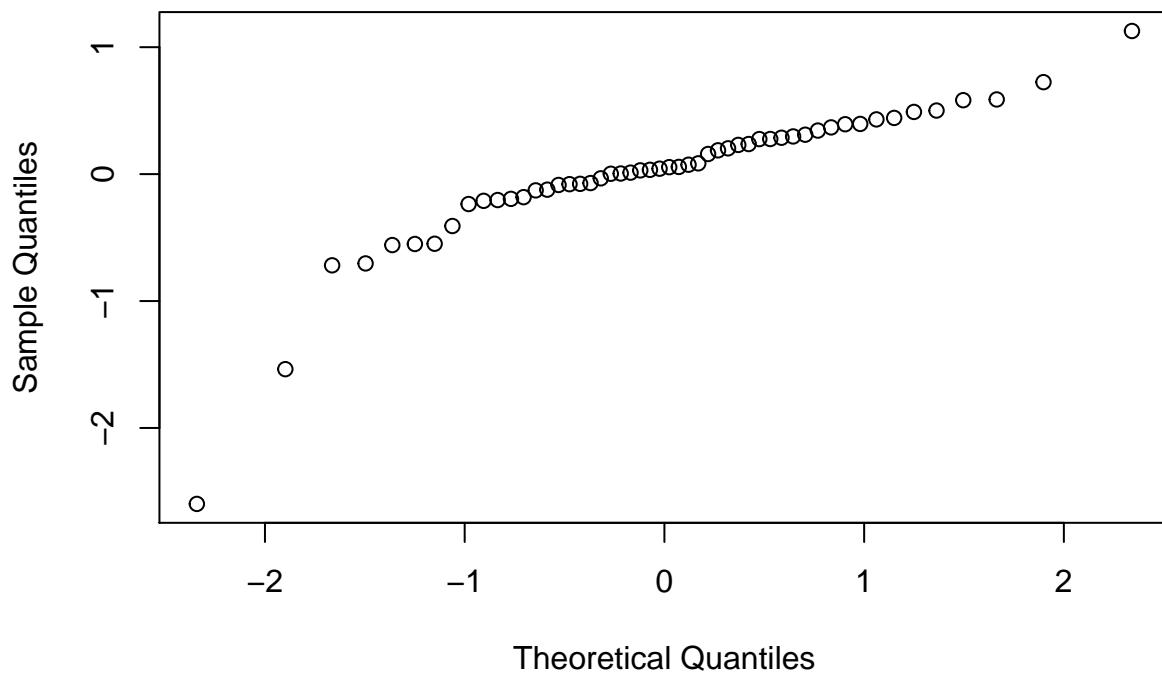
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.duration.hrs  
Plot of nPFOAorigEthnicity**



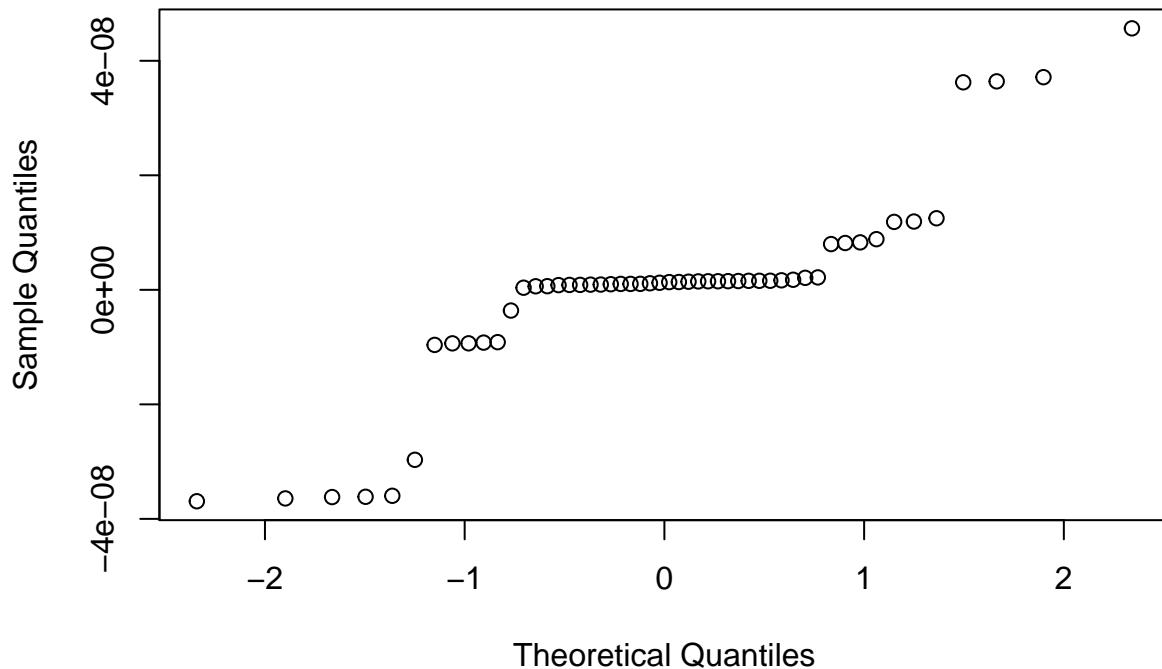
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



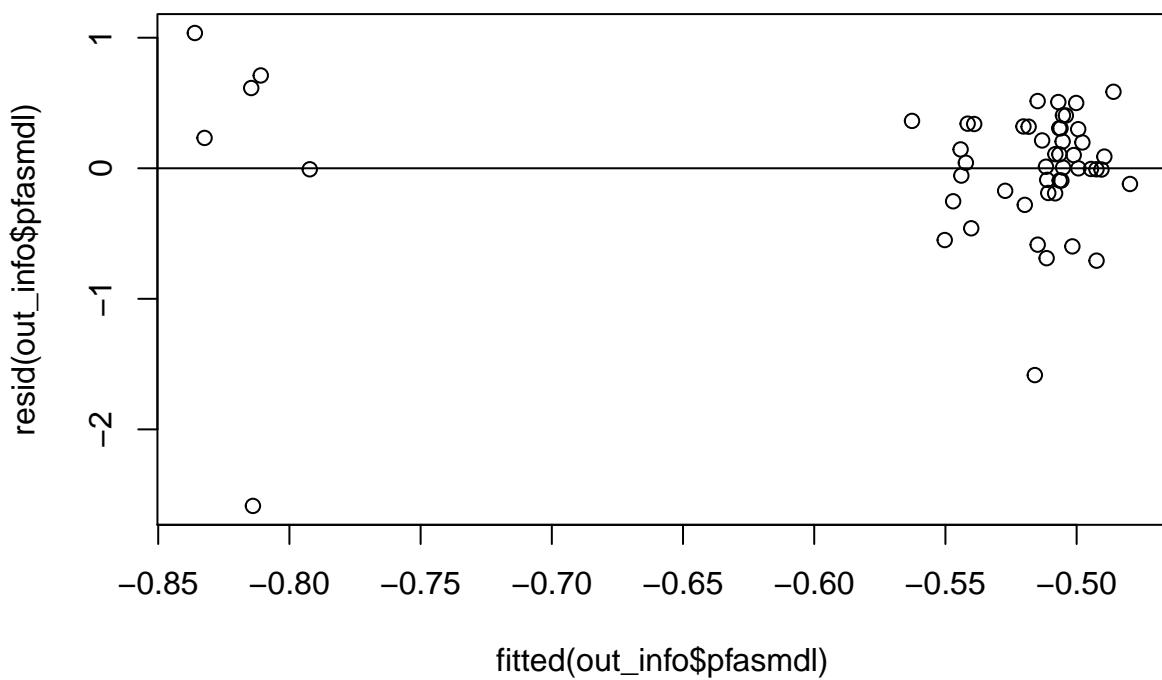
**Normal Q-Q Plot**



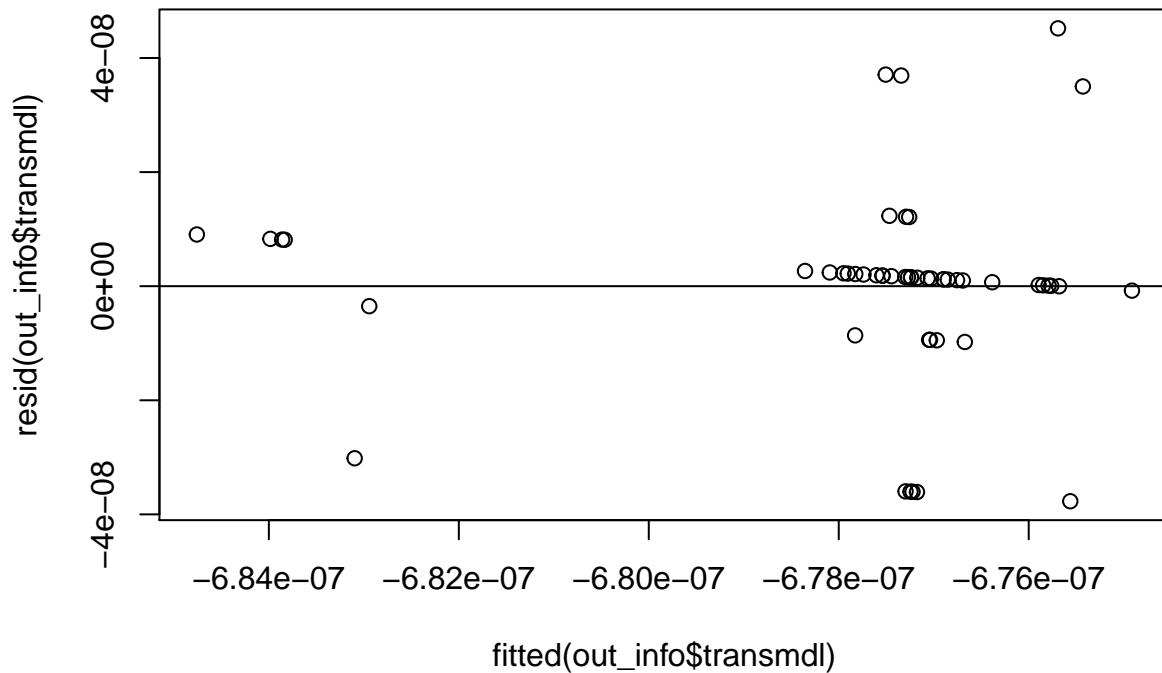
### Normal Q-Q Plot



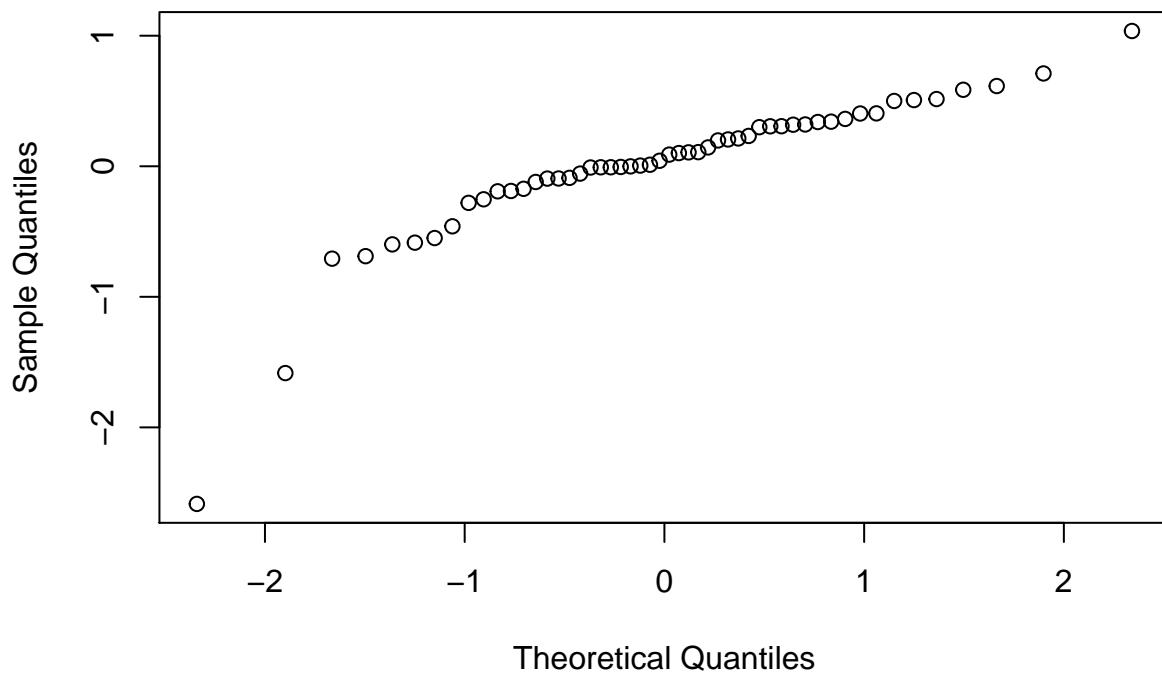
Plot of fnPFOAorig+  
Plot of fnPFOAorigstr.duration.hrs  
Plot of fnPFOAorigEthnicity



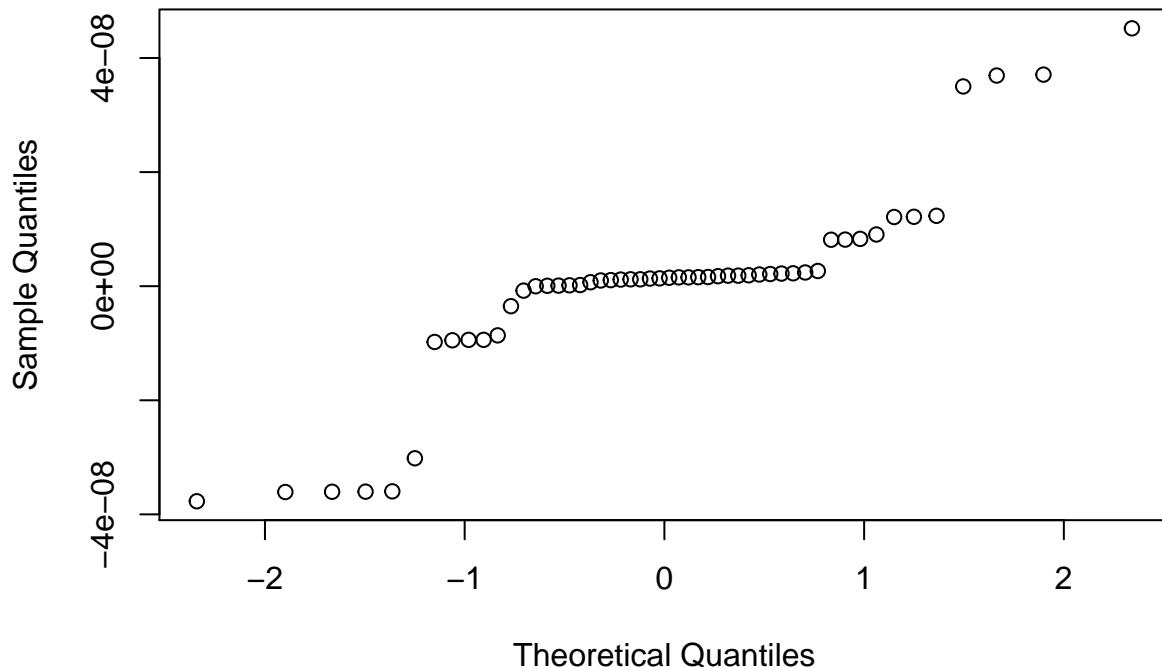
**Plot of PFUATrans+  
Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



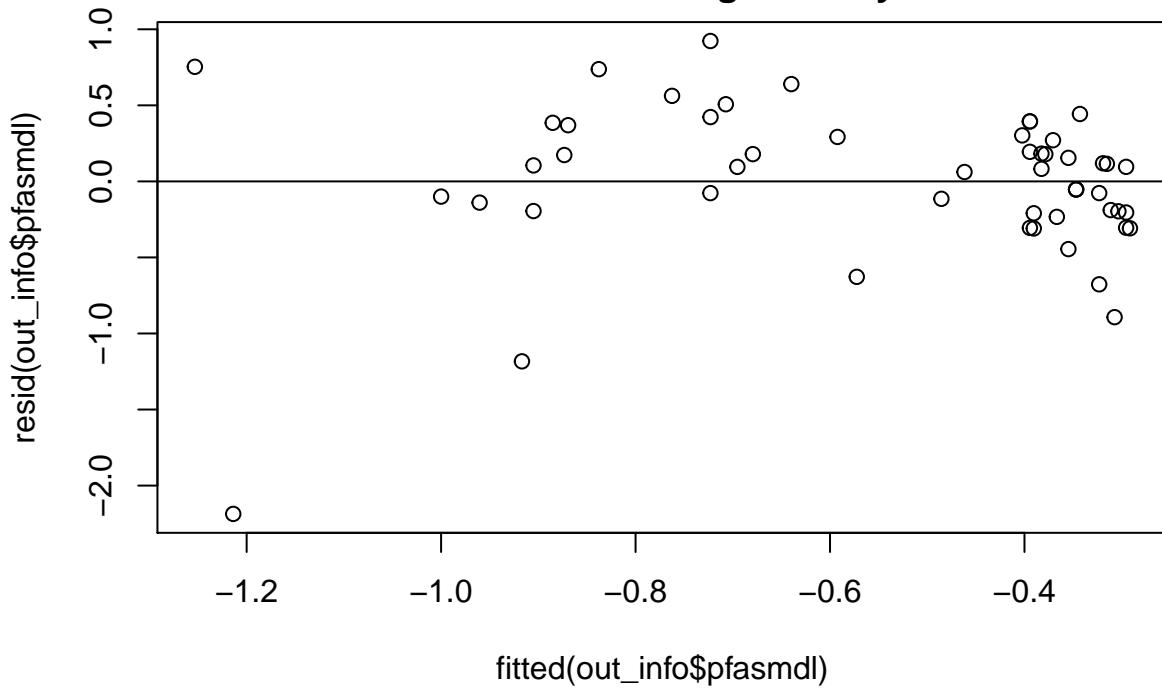
**Normal Q-Q Plot**



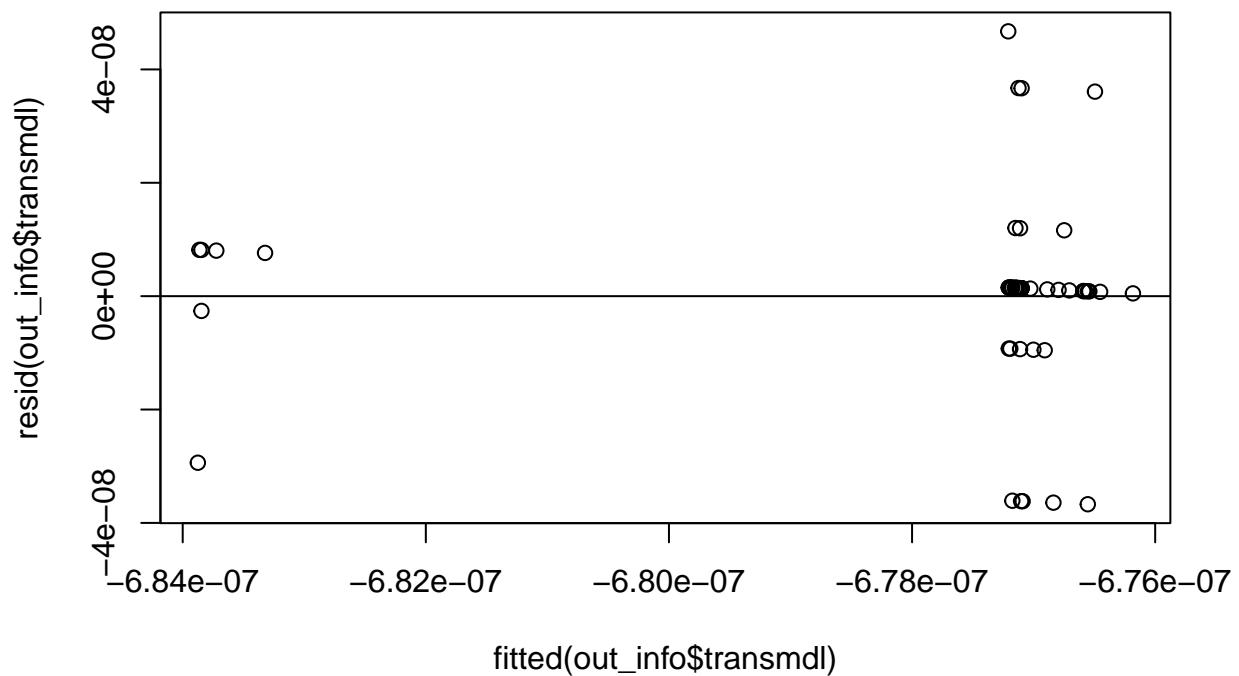
### Normal Q-Q Plot



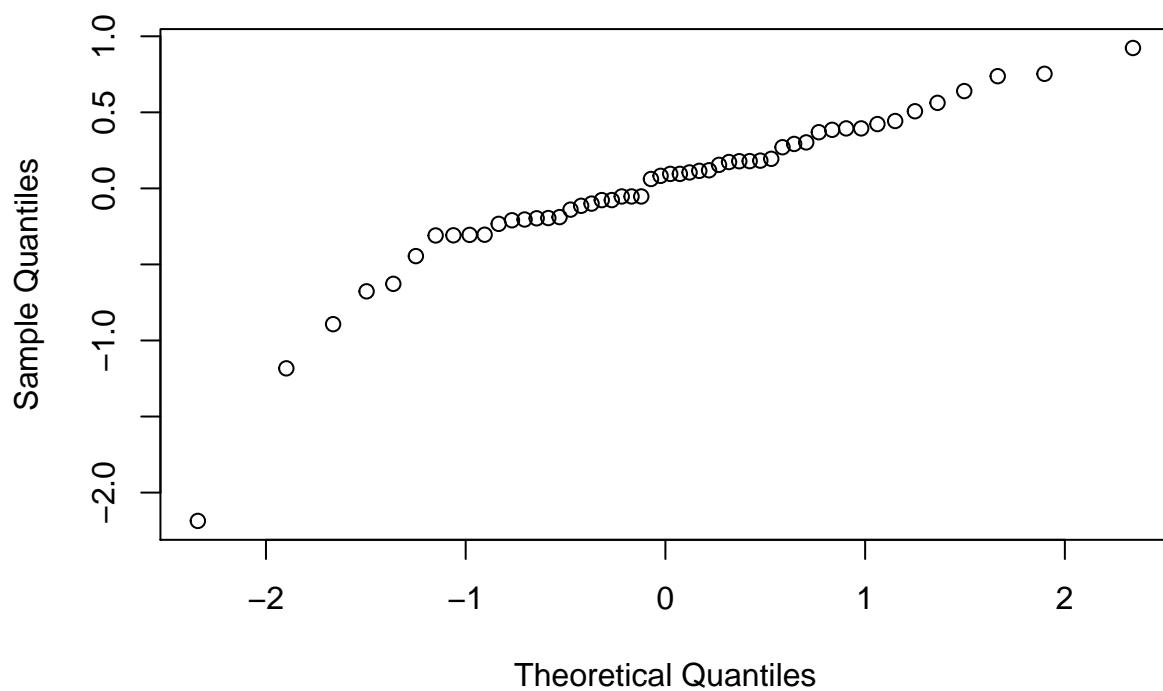
**Plot of nPFOAorig+  
Plot of nPFOAorigdays.since.MRF  
Plot of nPFOAorigEthnicity**



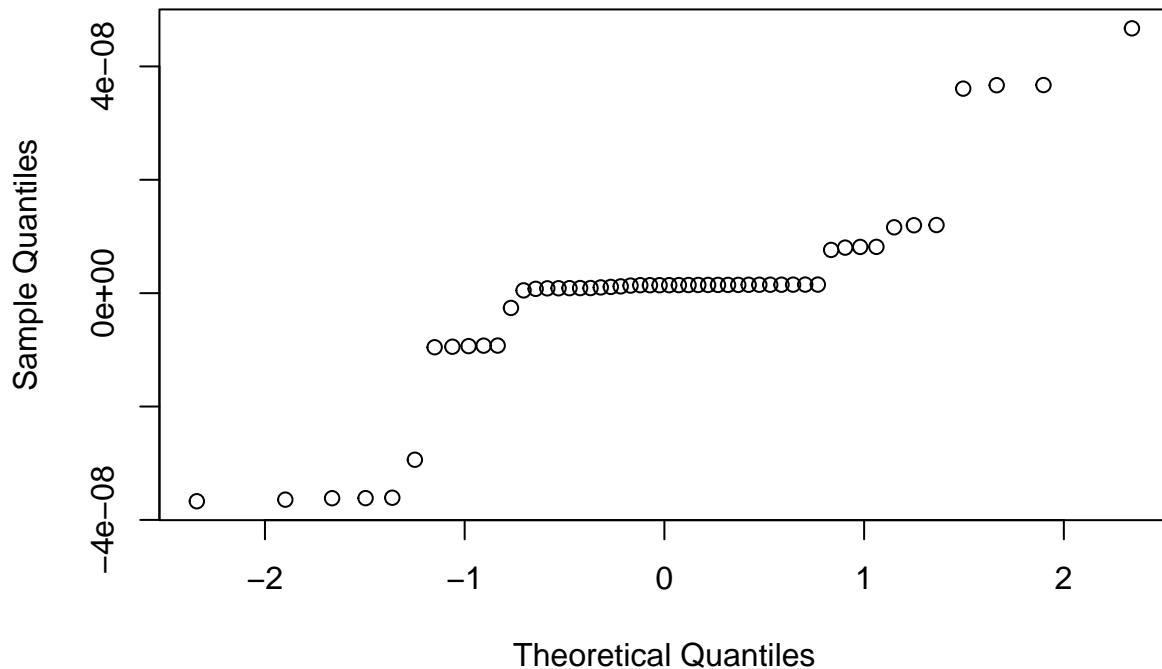
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



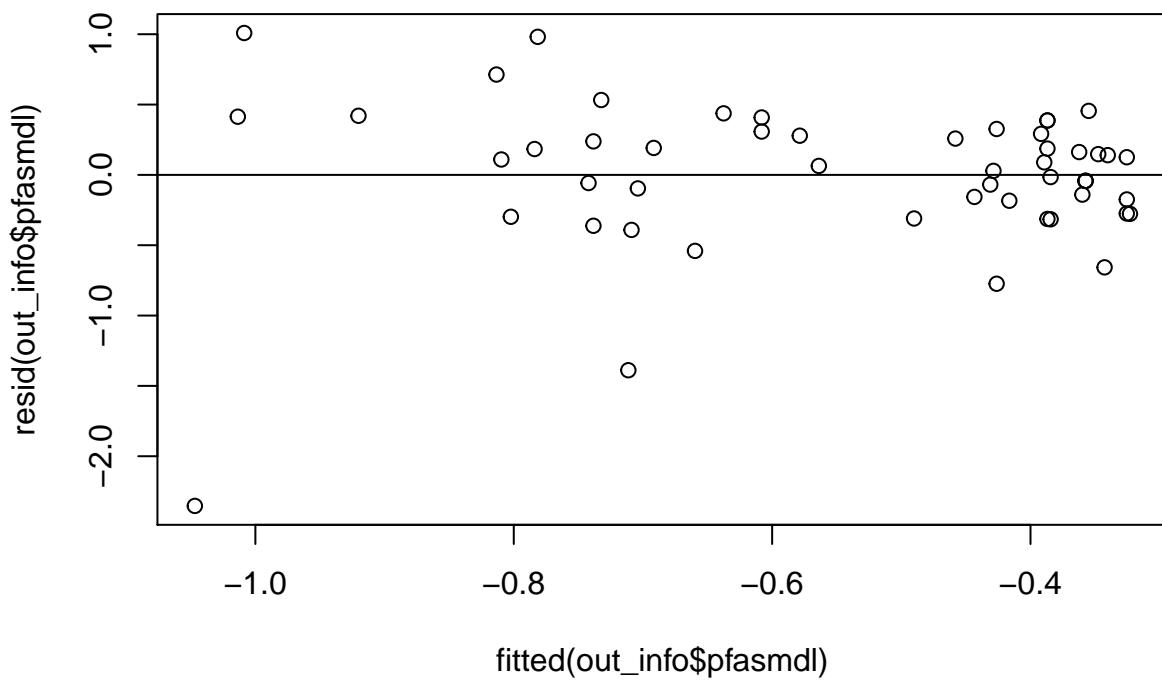
**Normal Q-Q Plot**



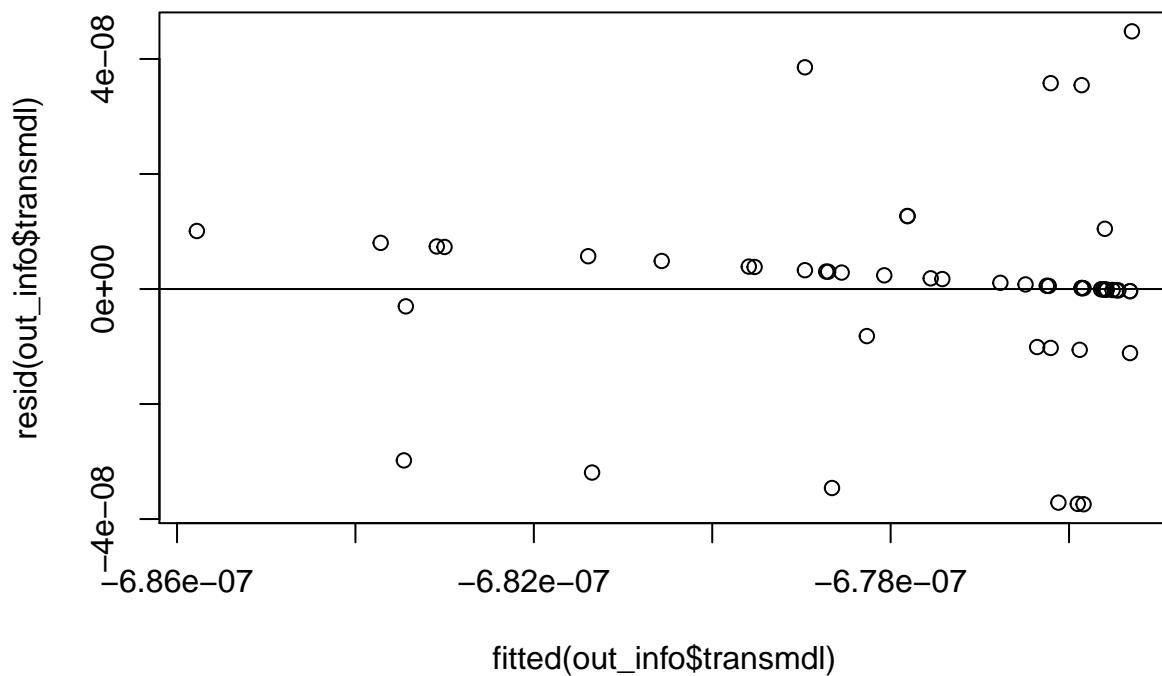
### Normal Q-Q Plot



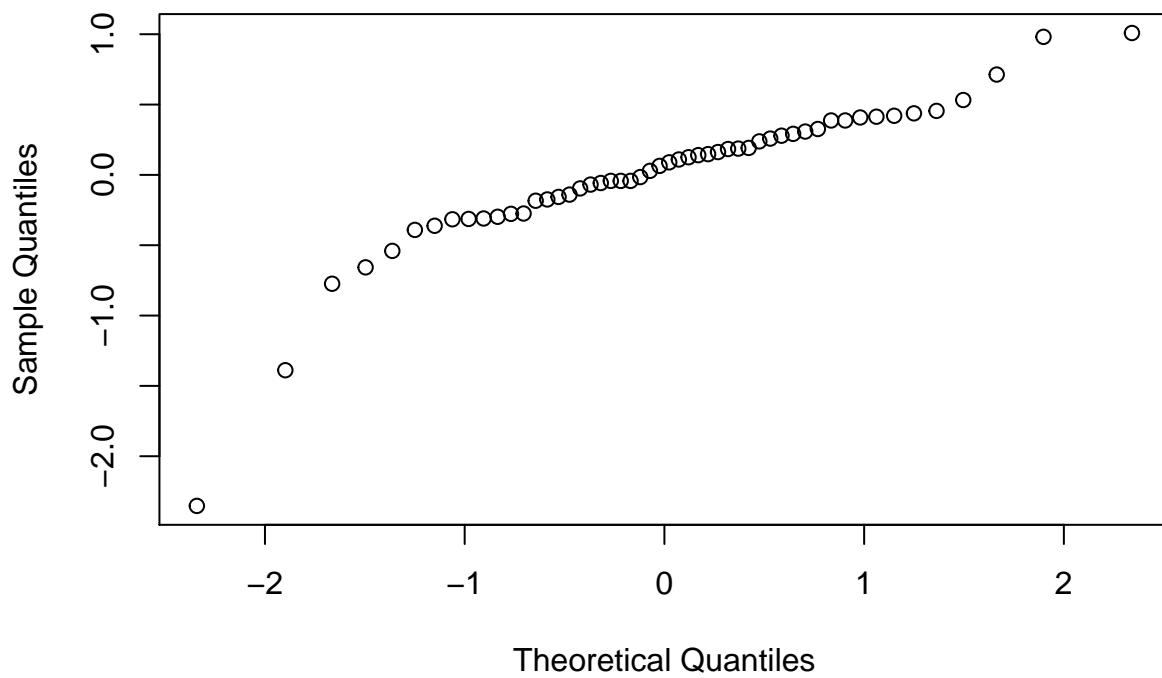
**Plot of nPFOAorig+**  
**Plot of nPFOAorigdays.since.struc.MRF**  
**Plot of nPFOAorigEthnicity**



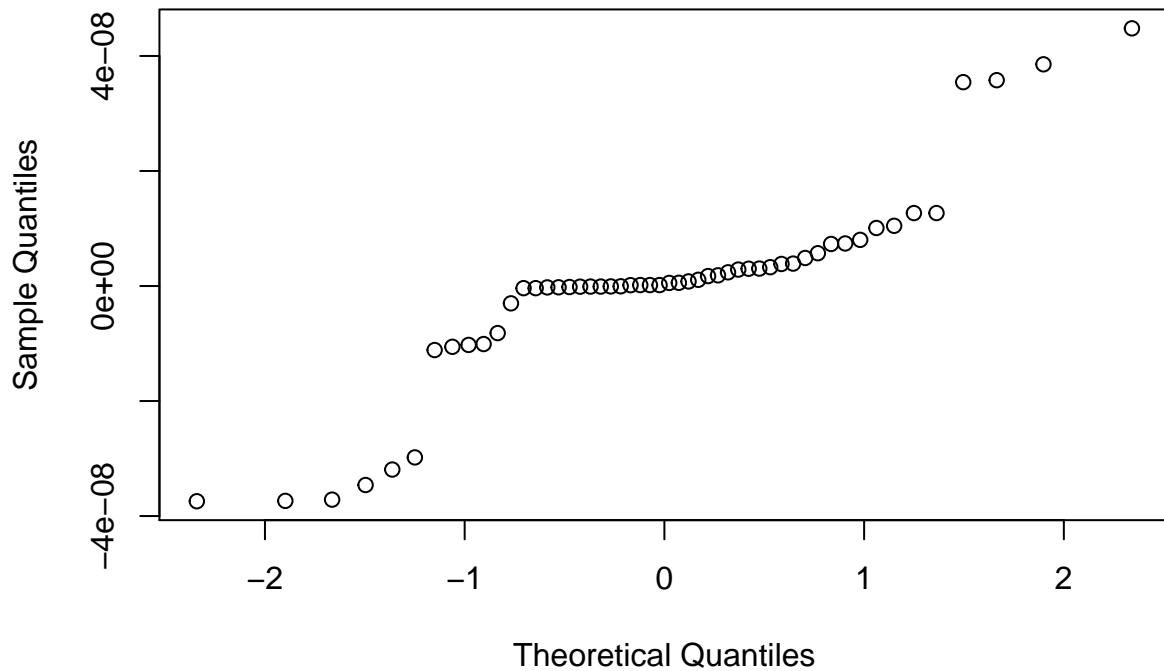
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



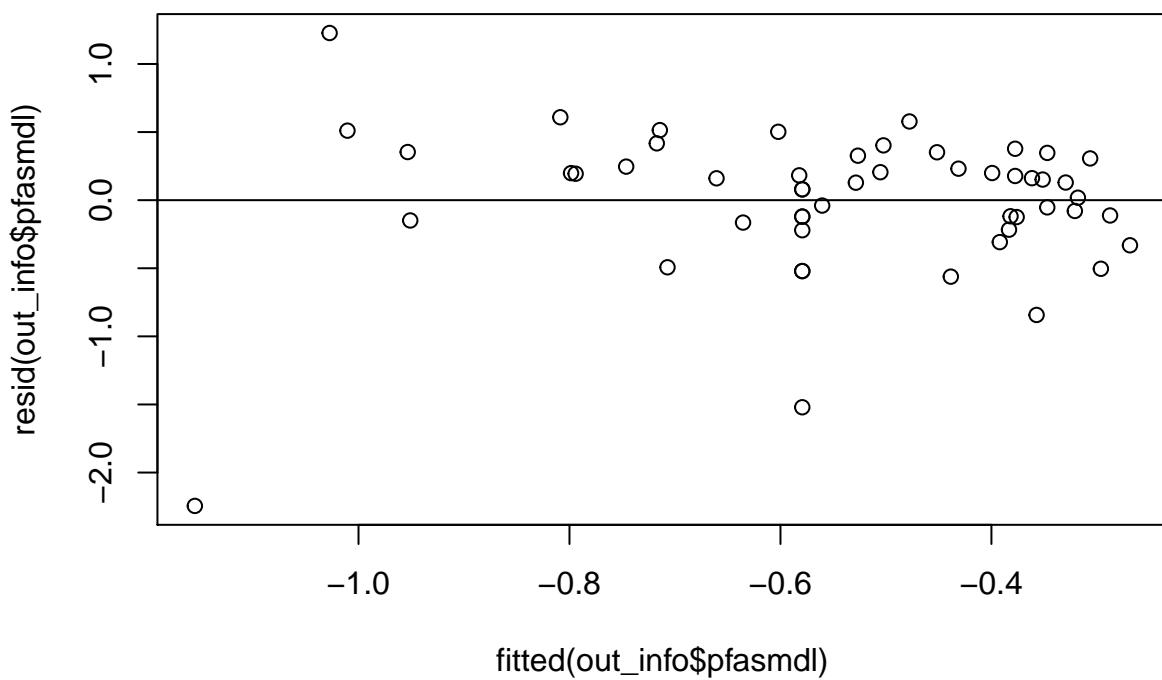
**Normal Q-Q Plot**



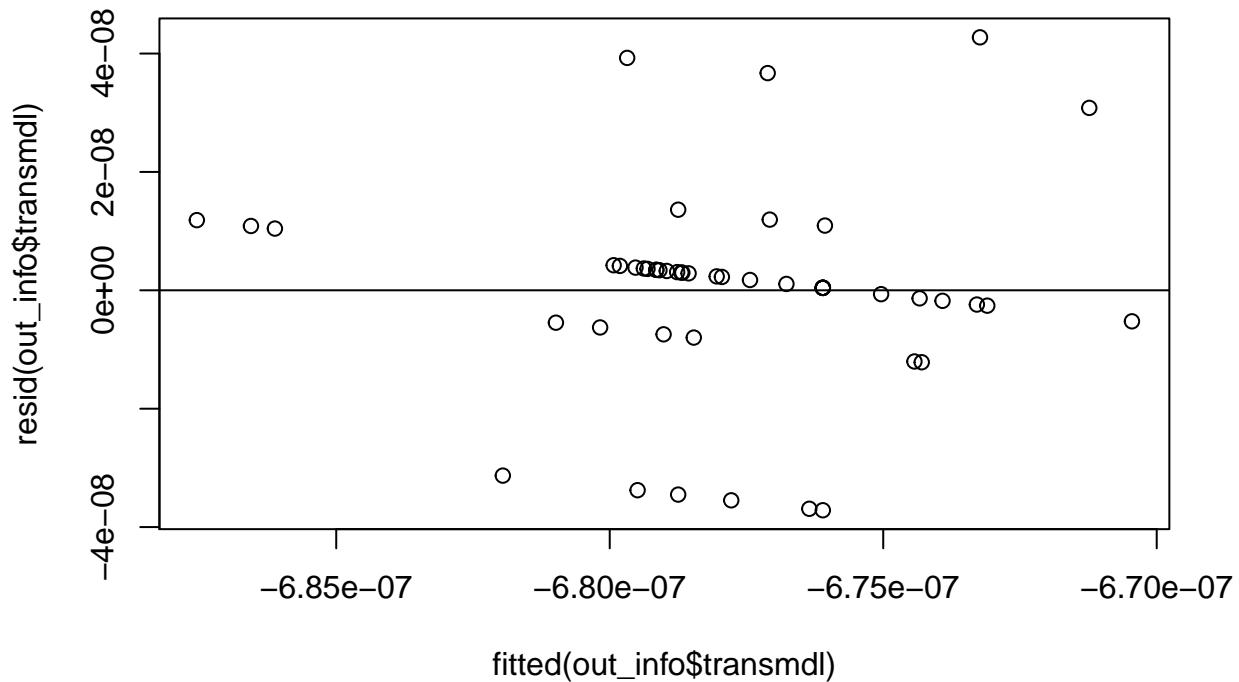
### Normal Q-Q Plot



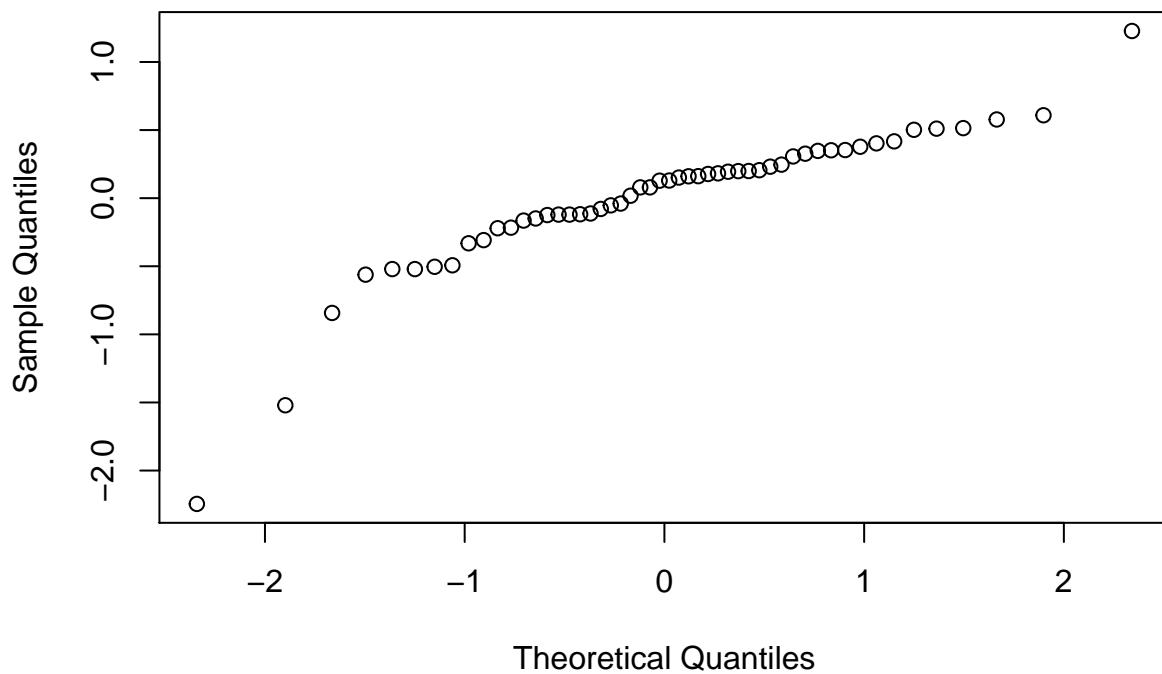
**Plot of nPFOAorig+  
Plot of nPFOAorigtime.since.baseline  
Plot of nPFOAorigEthnicity**



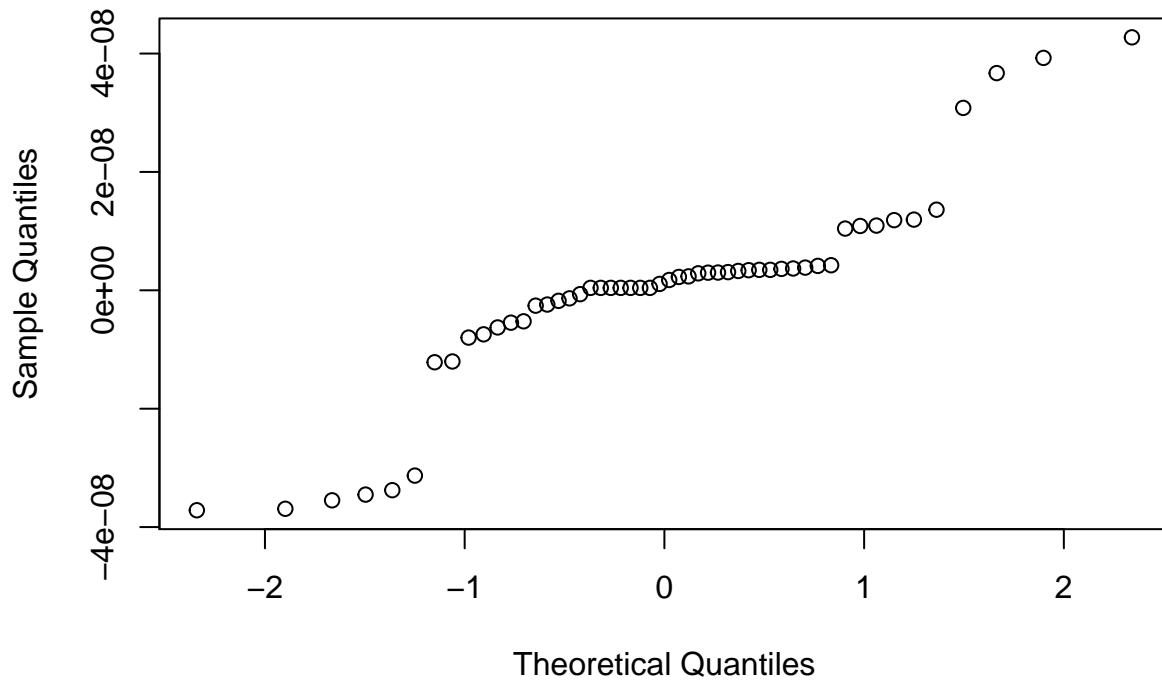
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



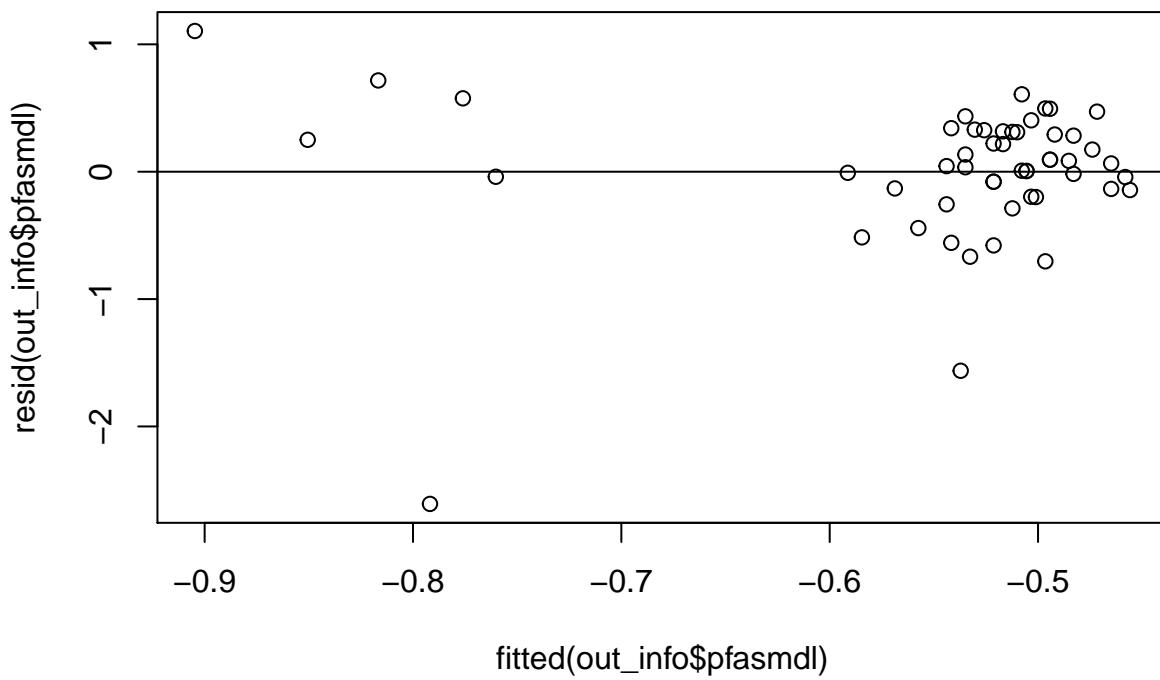
**Normal Q-Q Plot**



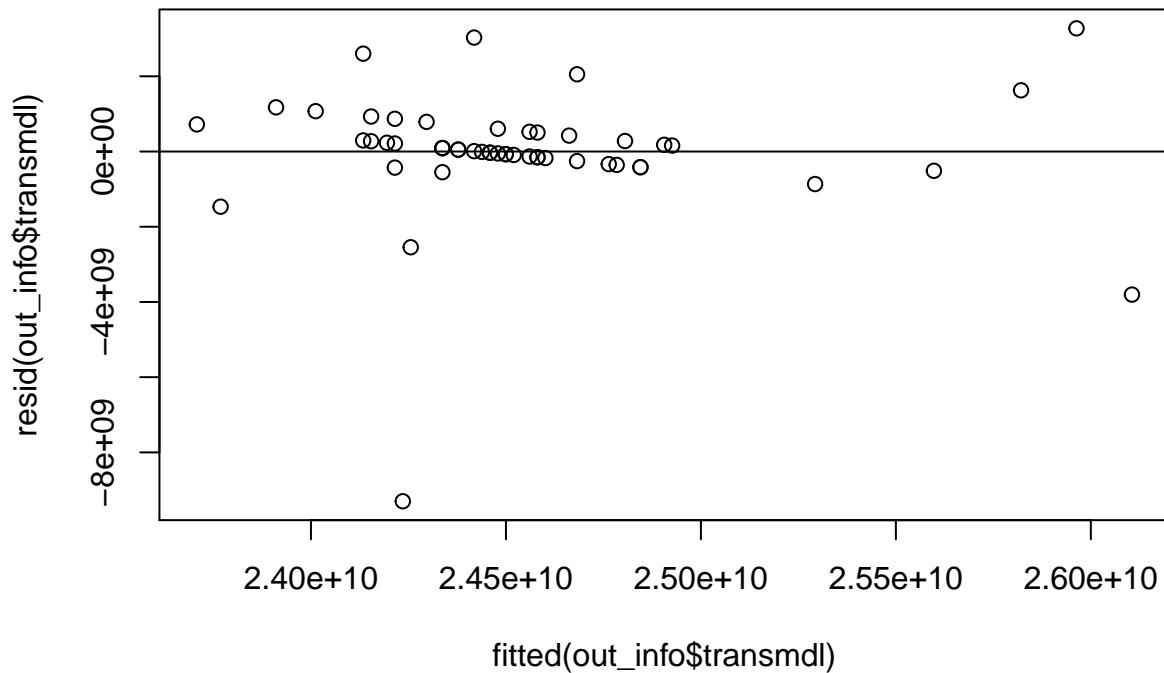
### Normal Q-Q Plot



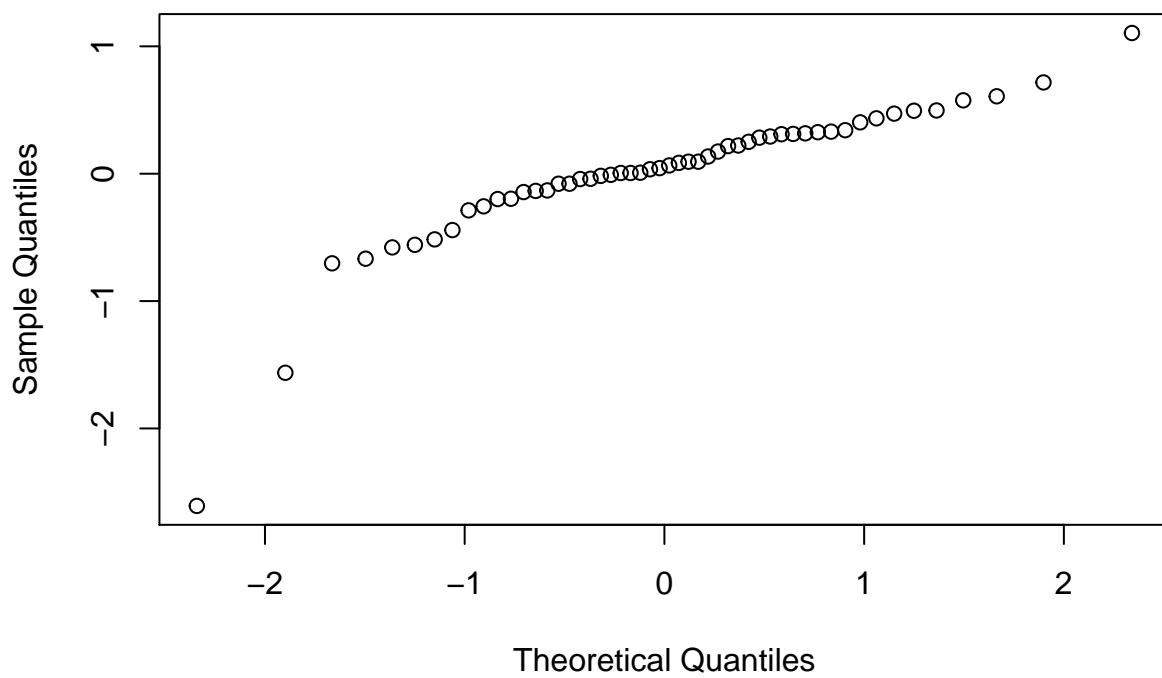
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.num.fireruns  
Plot of nPFOAorigEthnicity**



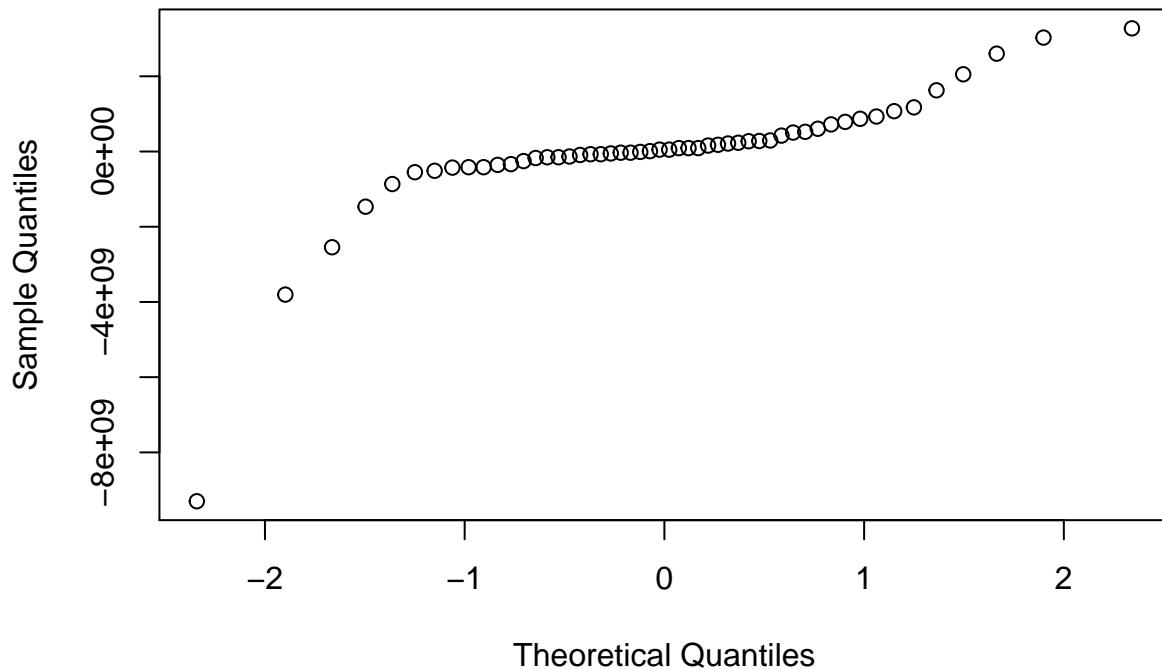
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



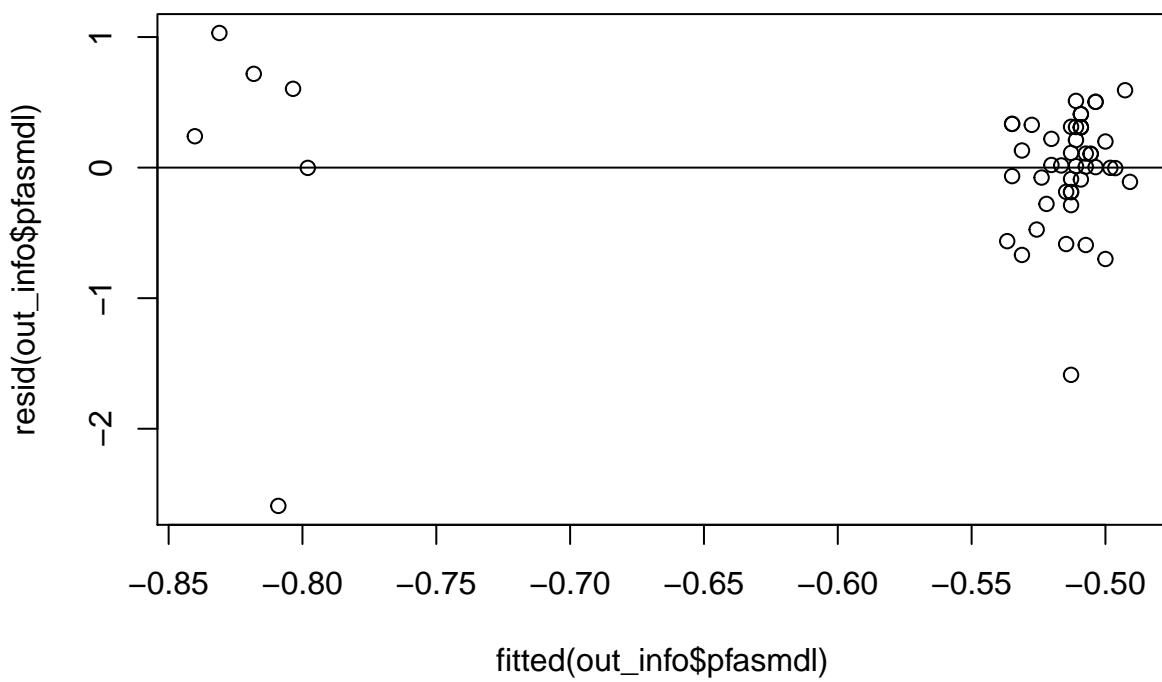
**Normal Q-Q Plot**



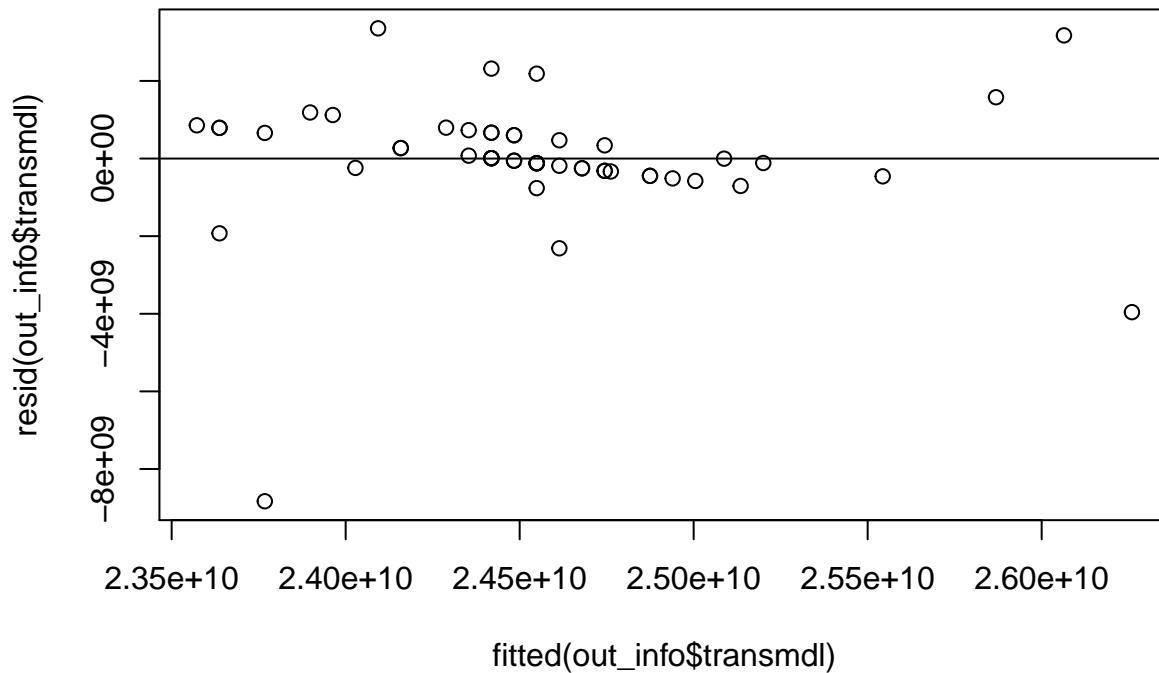
### Normal Q-Q Plot



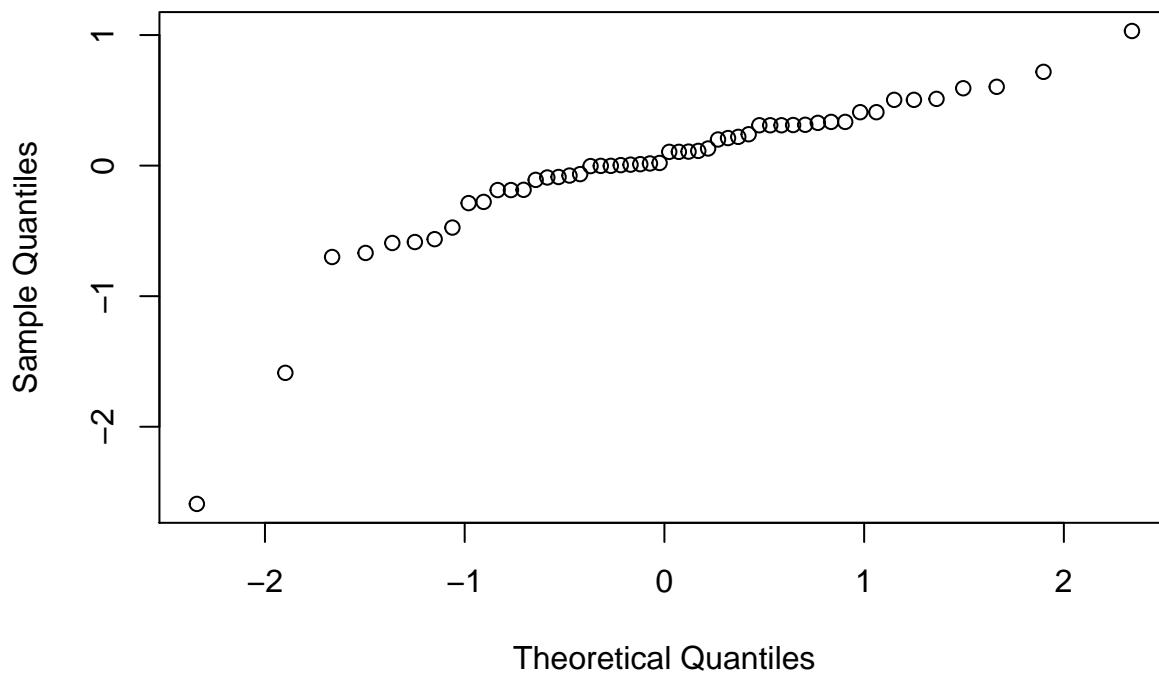
**Plot of fnPFOAorig+  
Plot of fnPFOAorigstr.num.fireruns  
Plot of fnPFOAorigEthnicity**



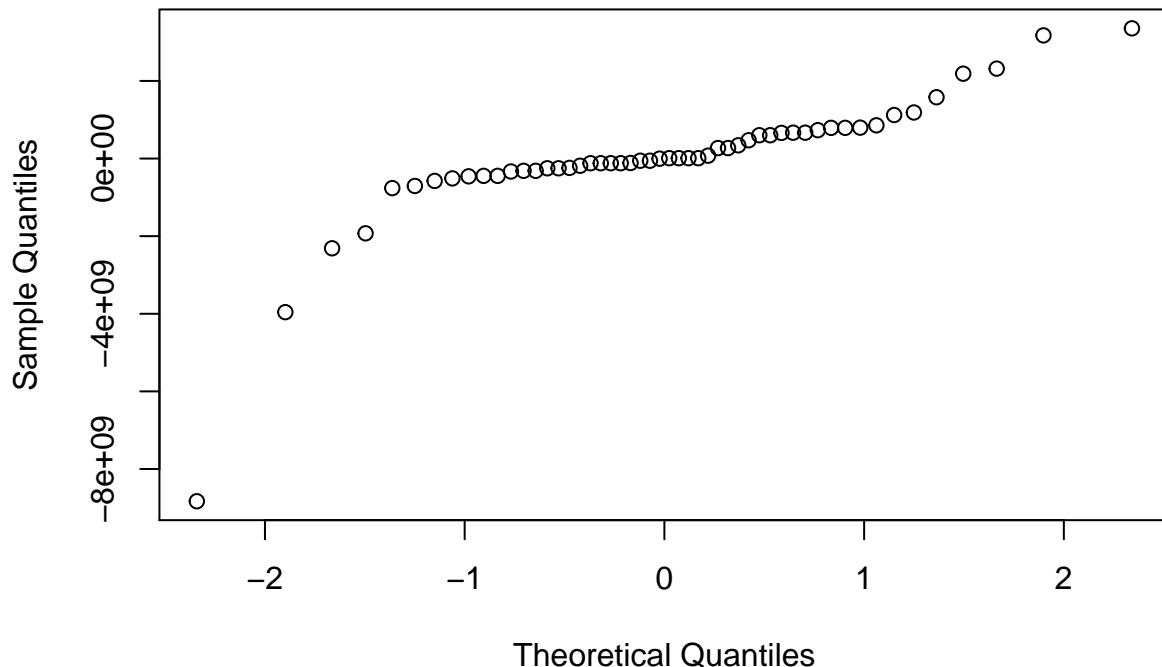
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



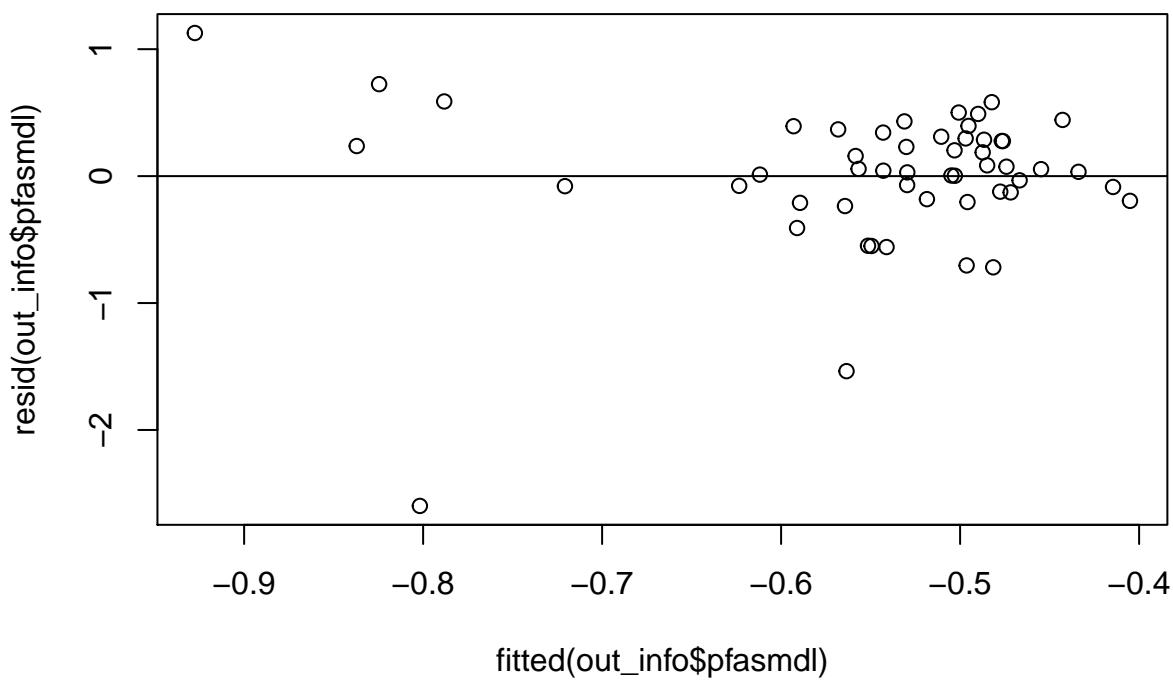
**Normal Q-Q Plot**



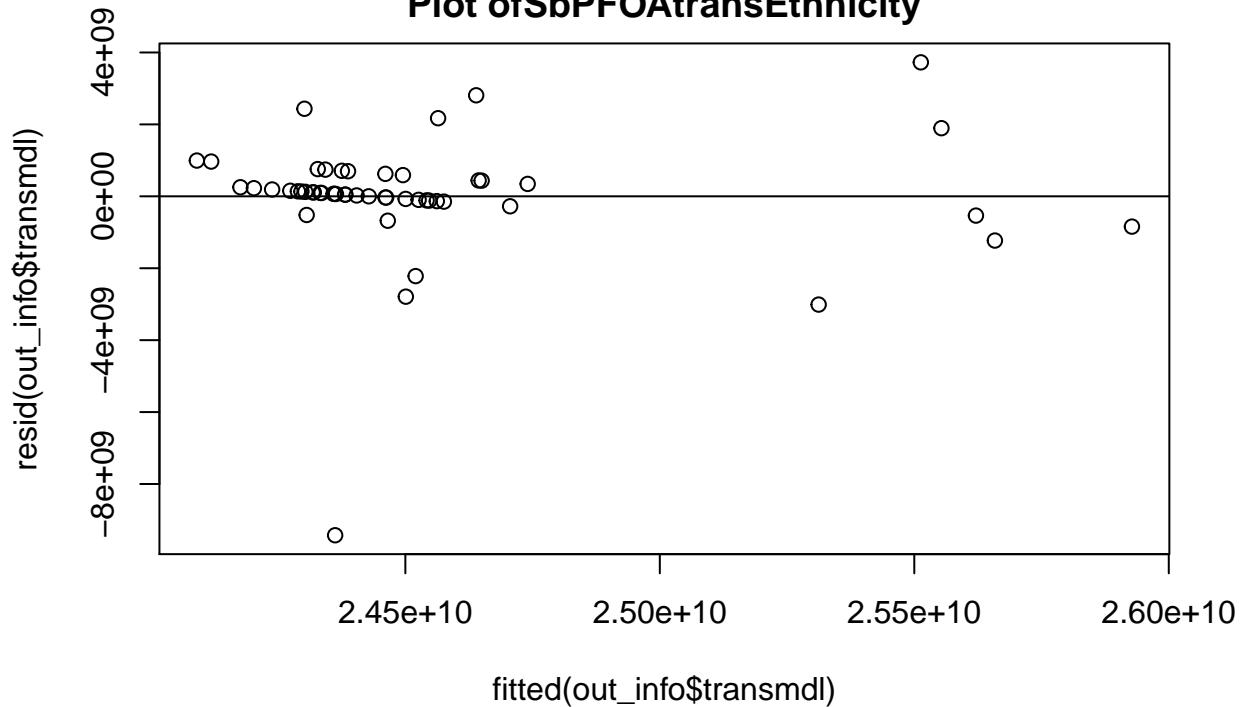
### Normal Q-Q Plot



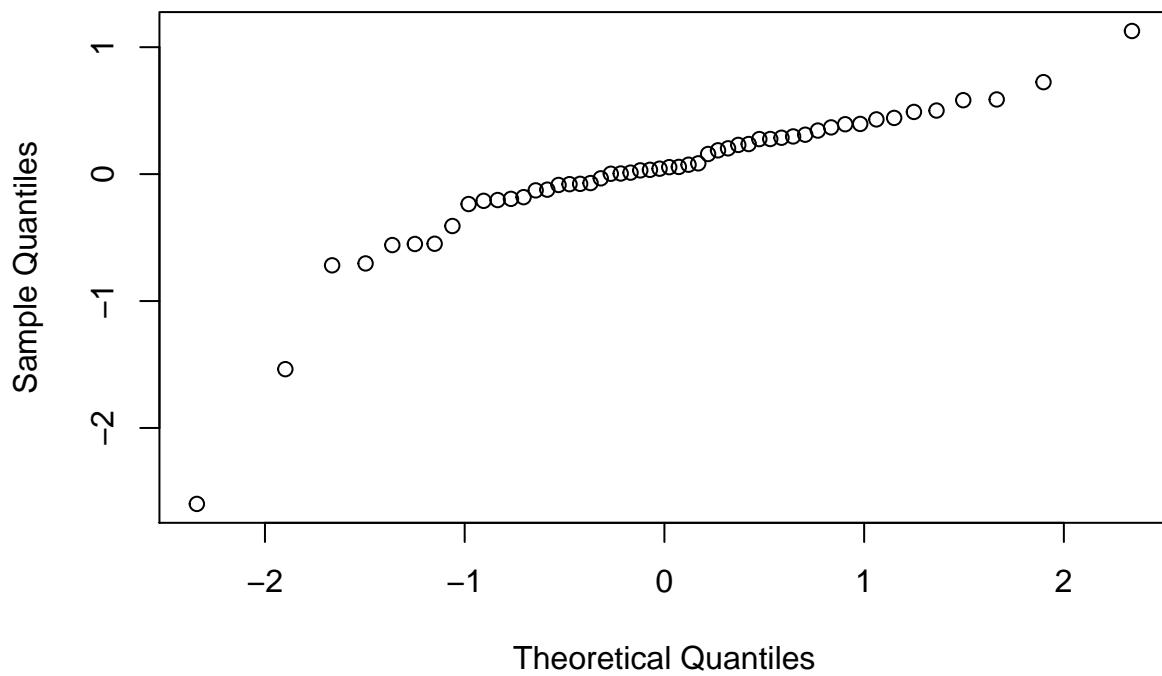
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.duration.hrs  
Plot of nPFOAorigEthnicity**

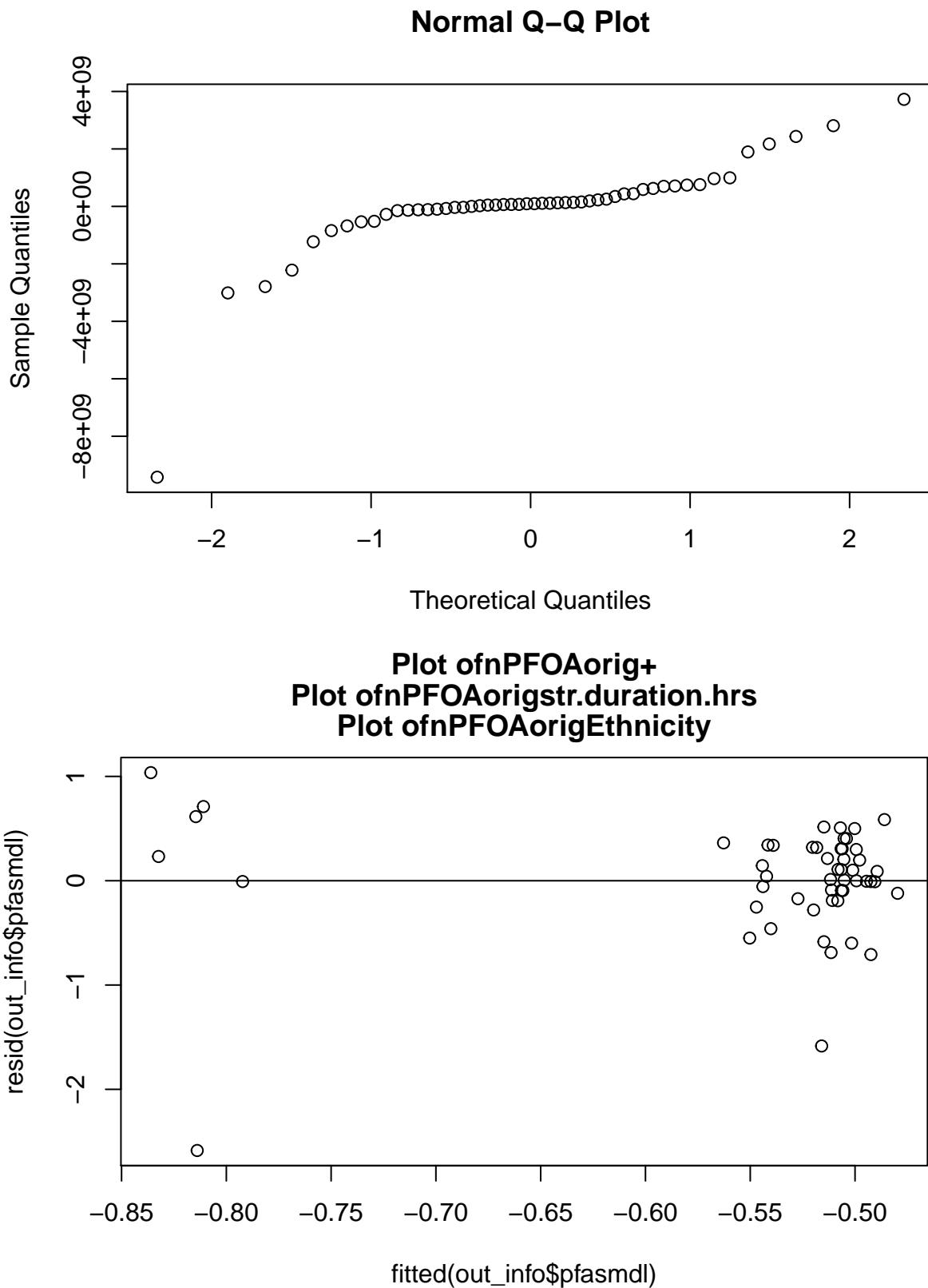


**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**

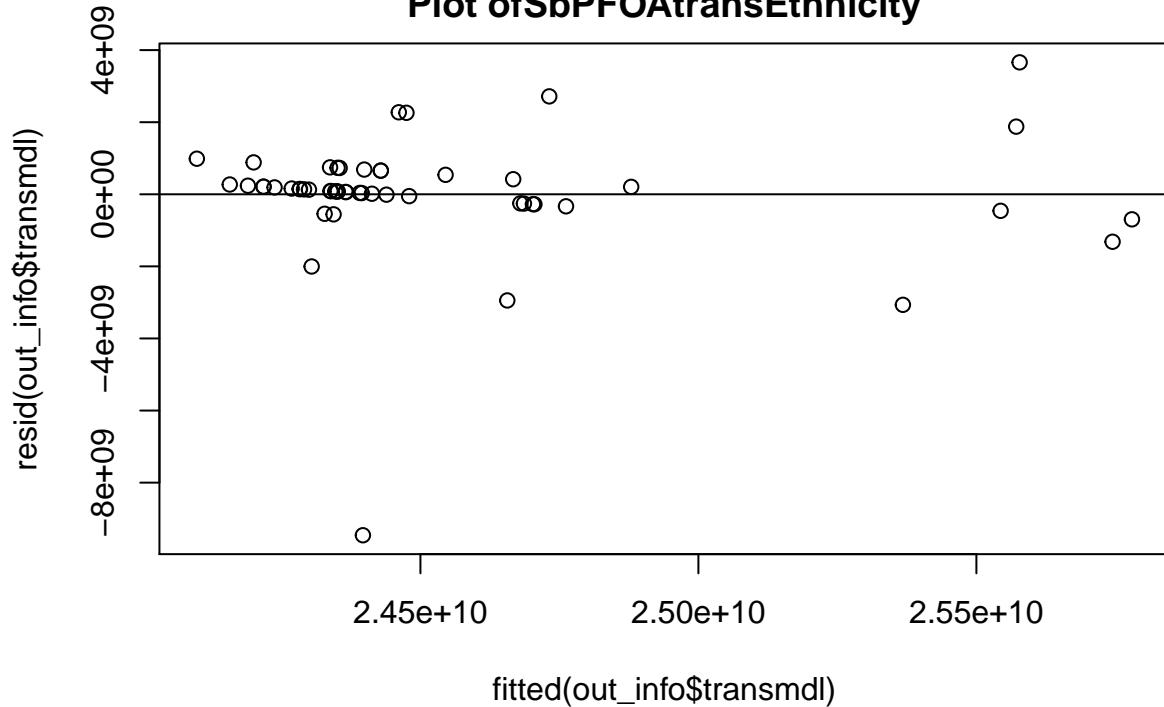


**Normal Q-Q Plot**

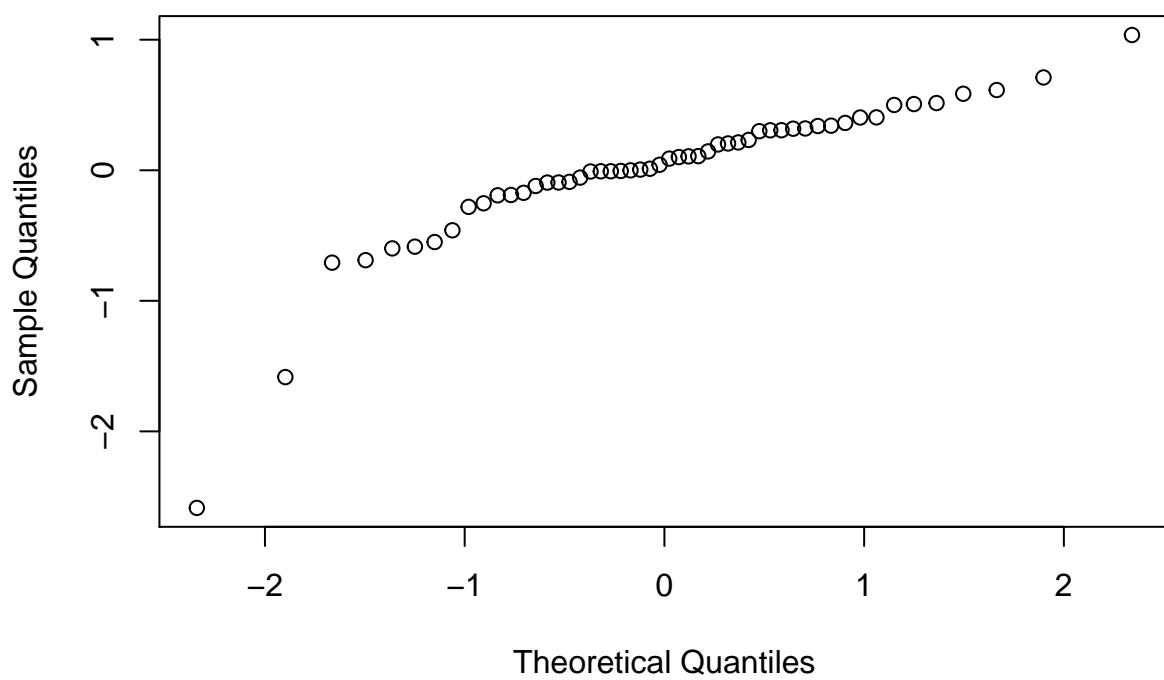


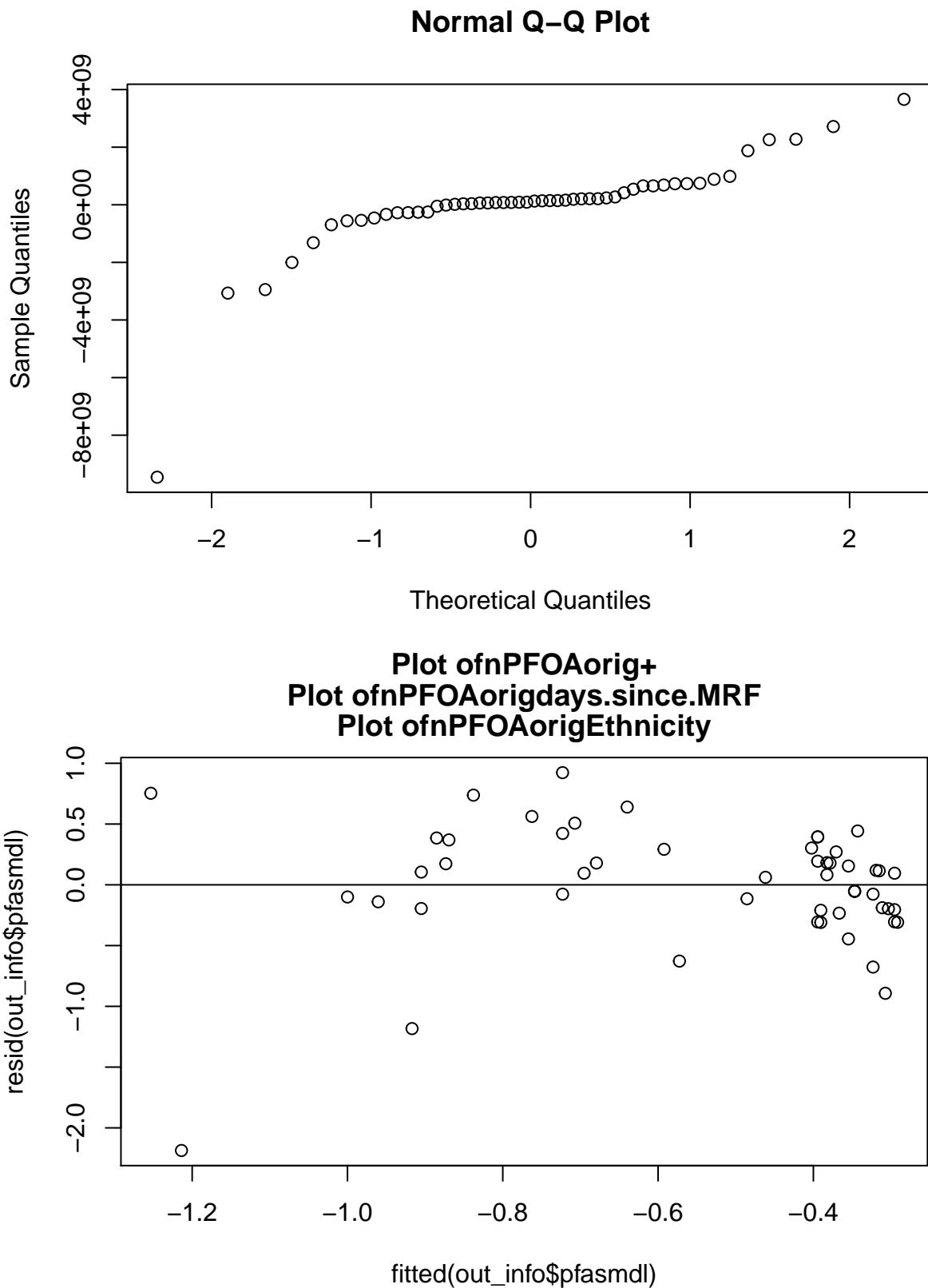


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

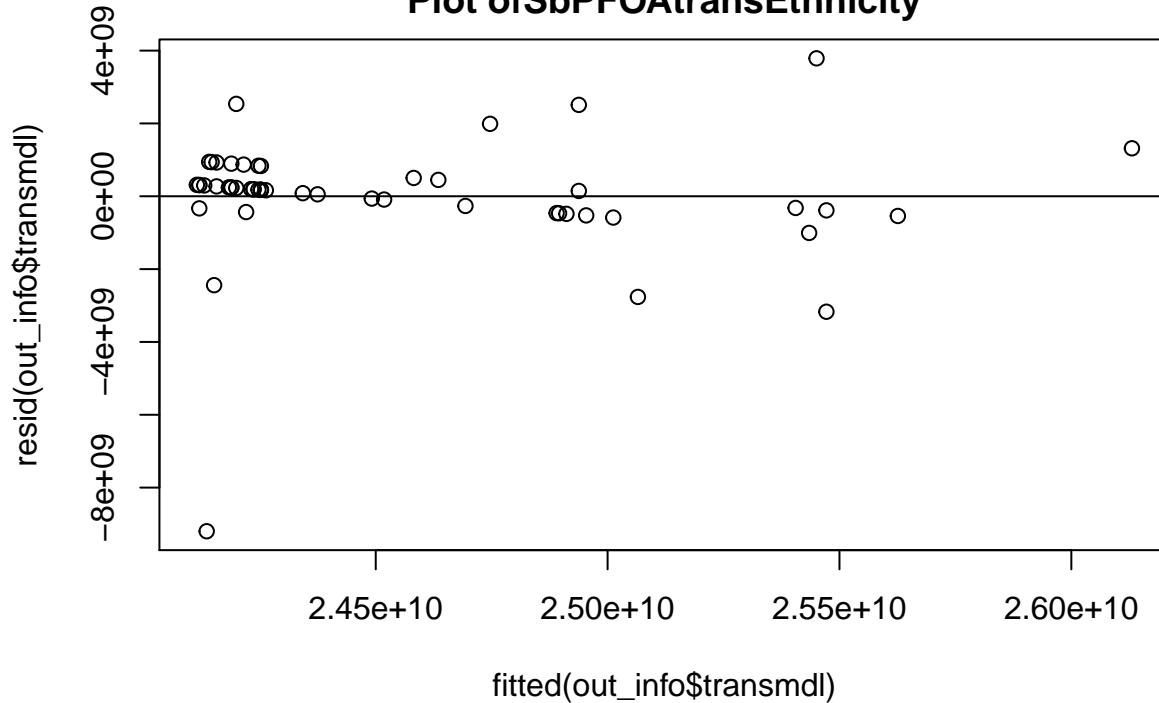


**Normal Q-Q Plot**

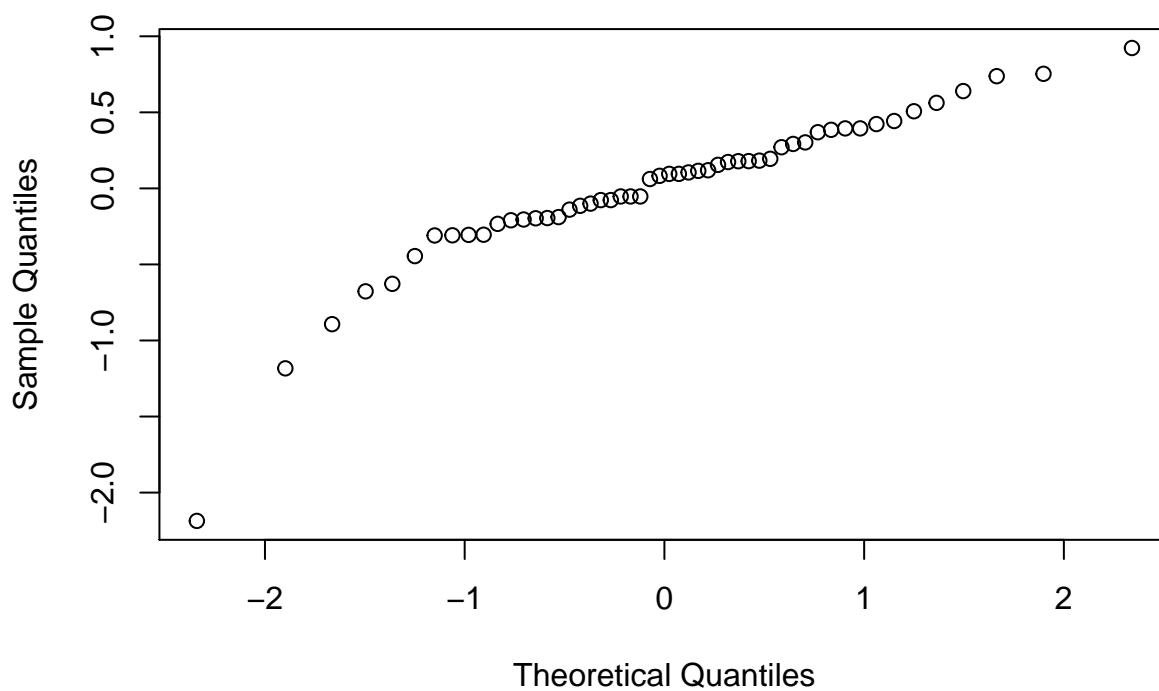


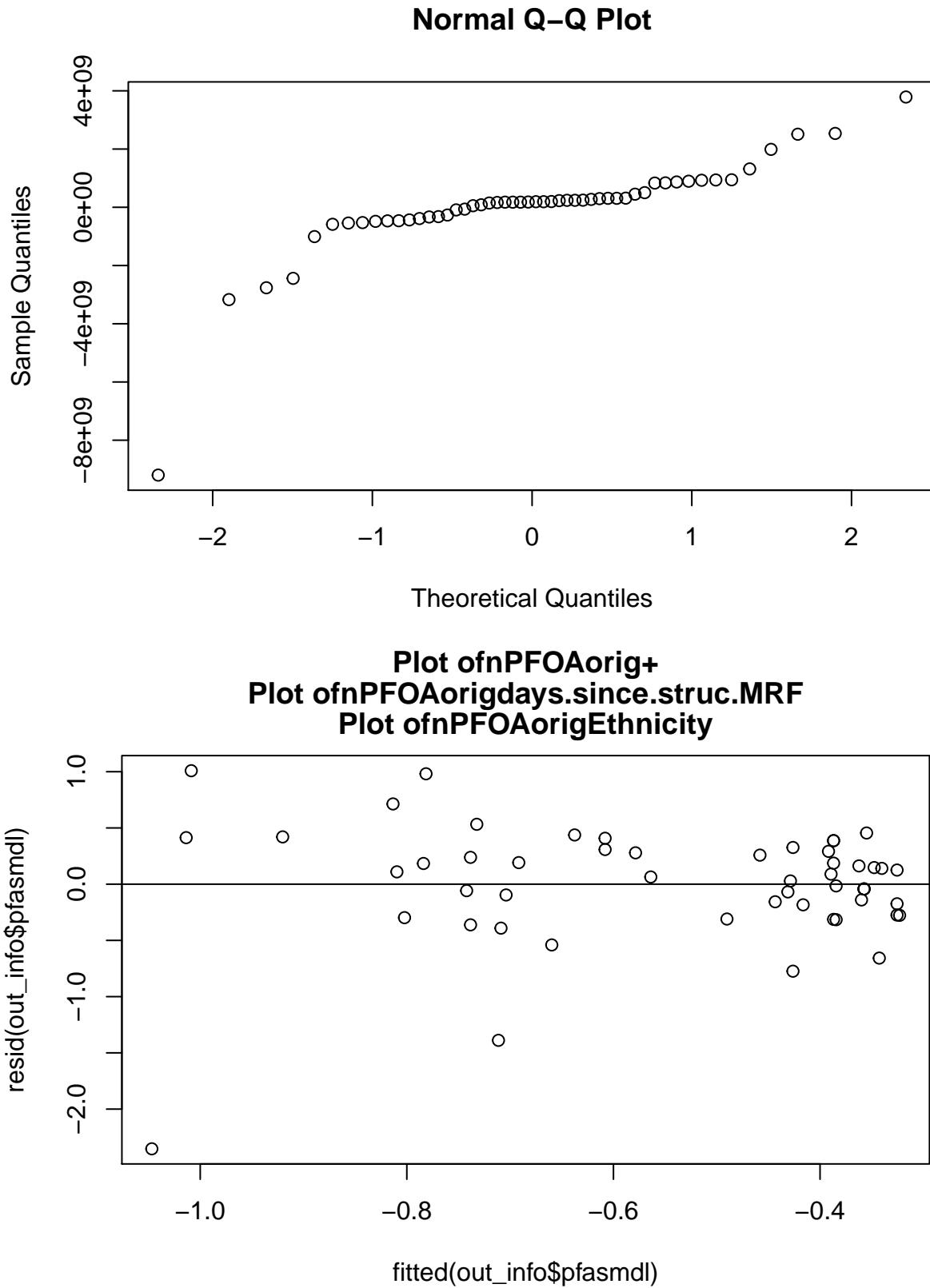


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

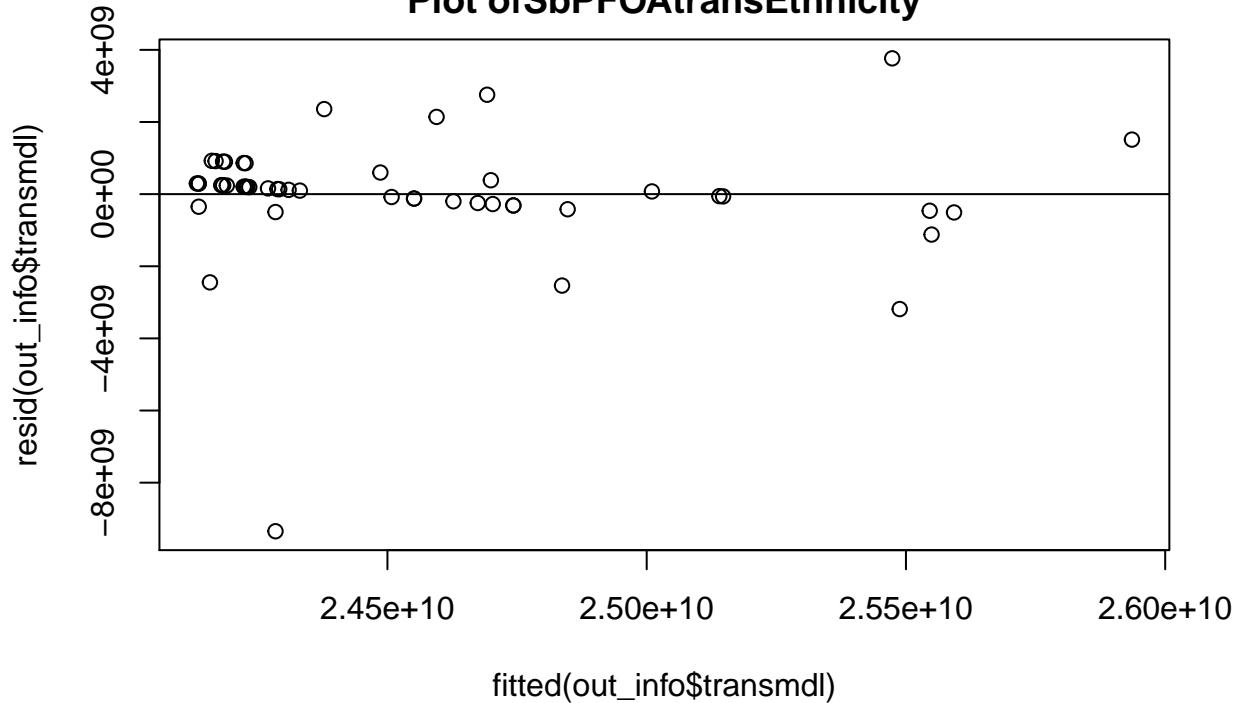


**Normal Q-Q Plot**

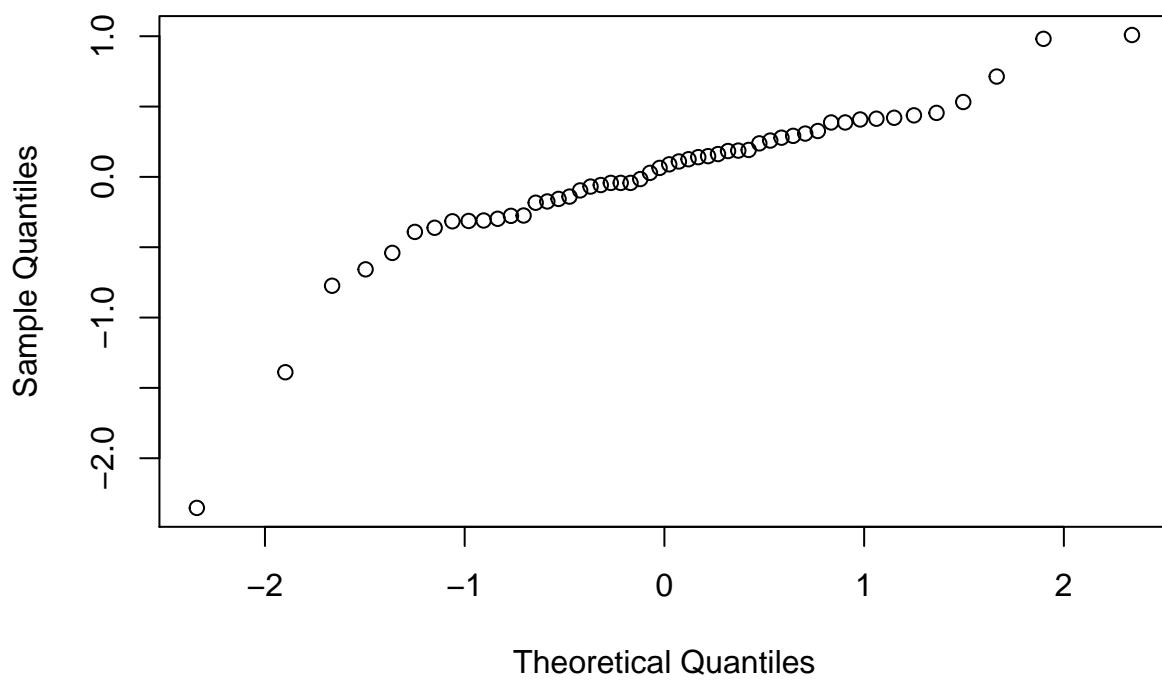


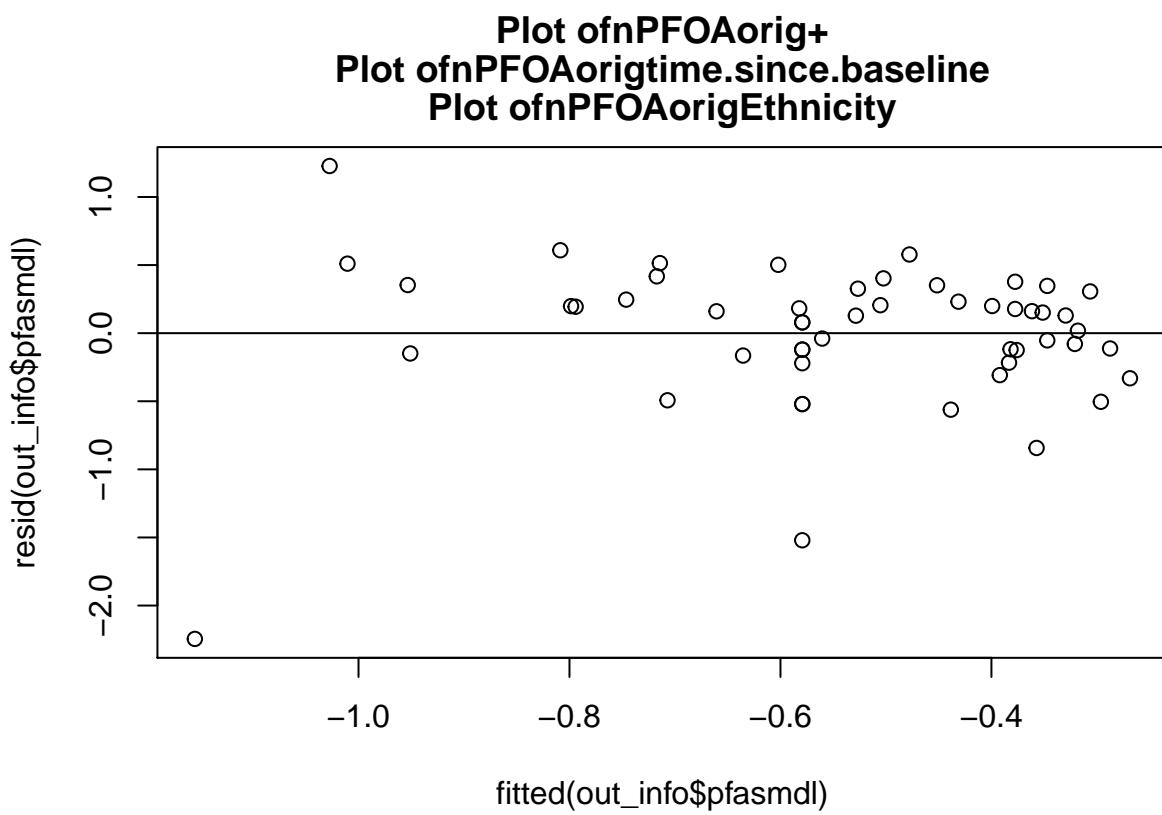
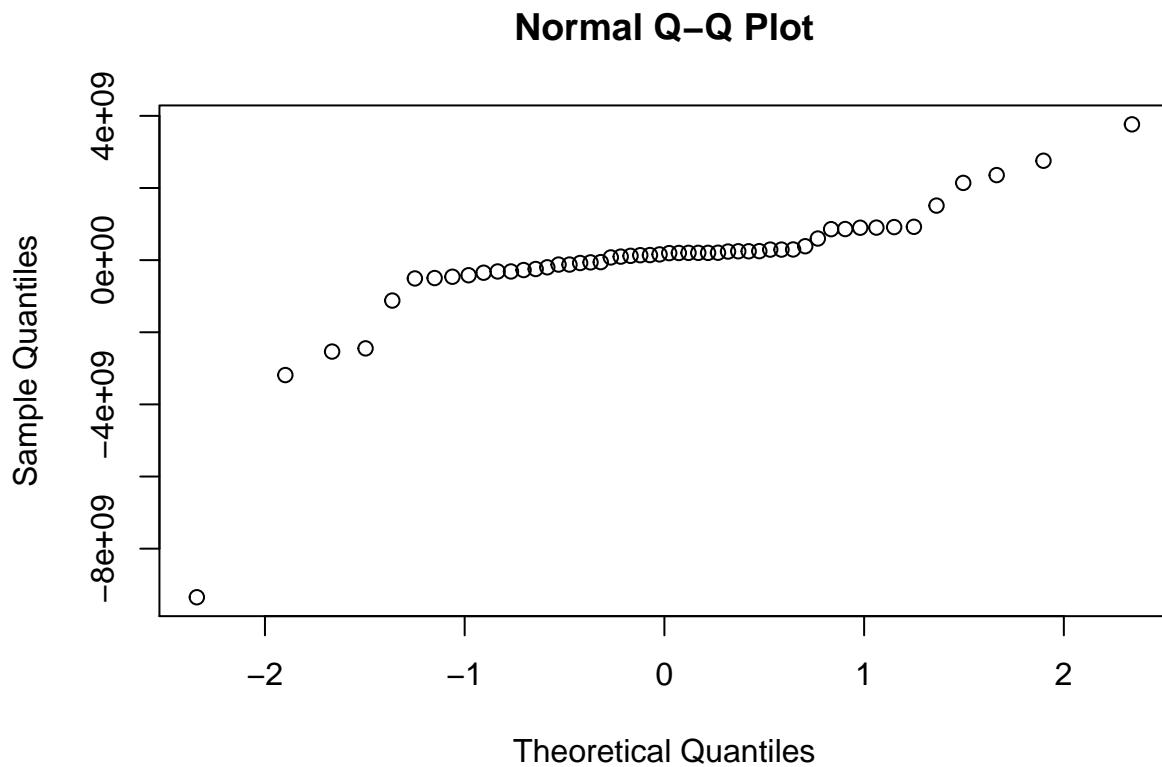


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**

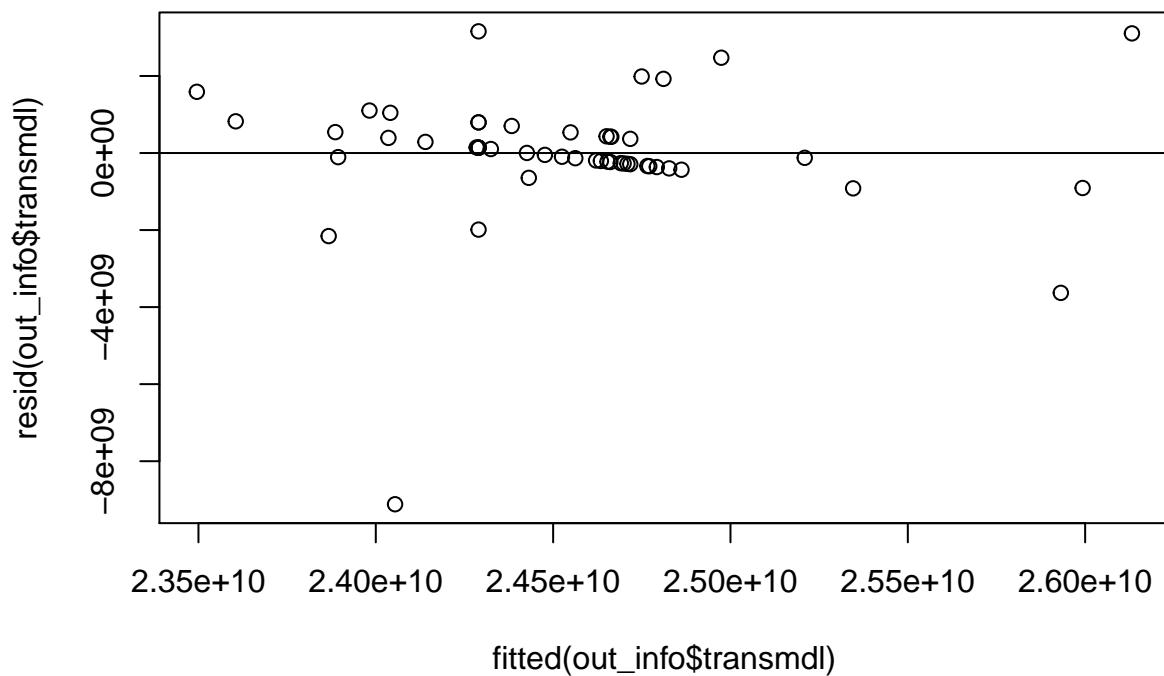


**Normal Q-Q Plot**

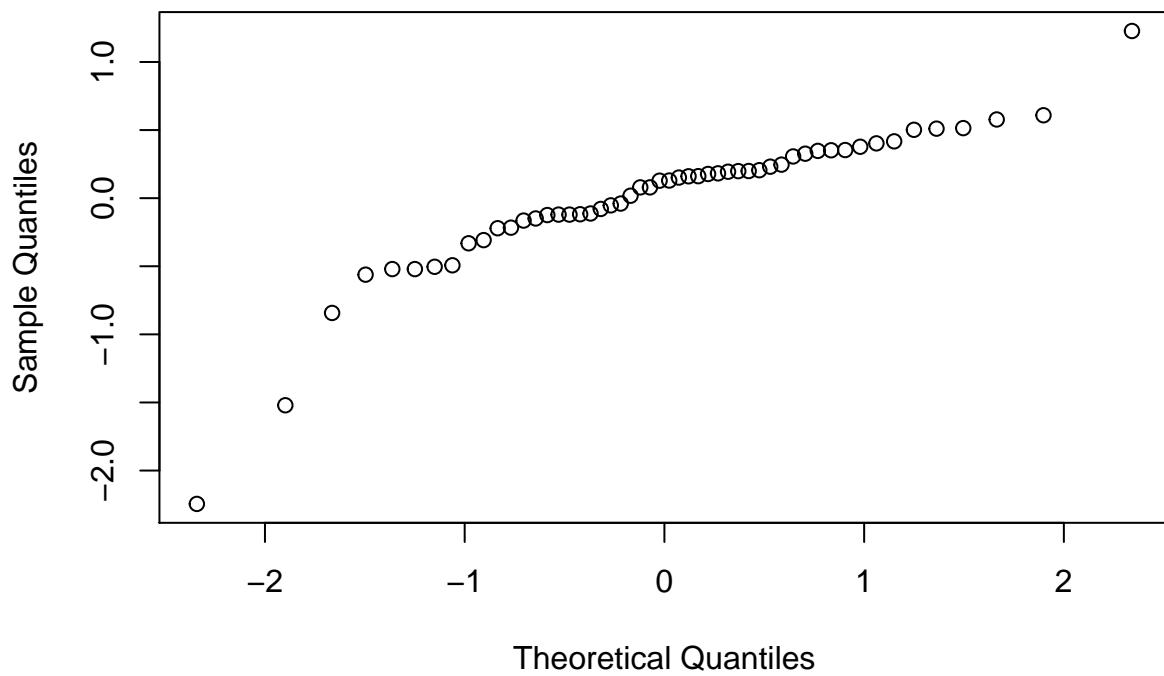




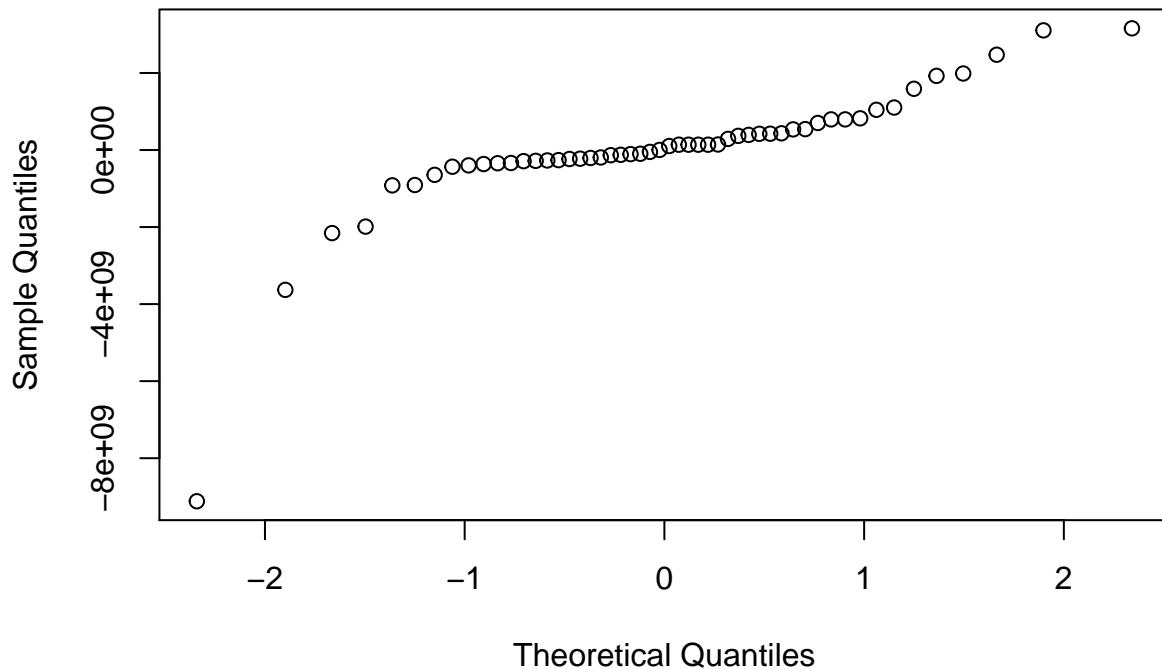
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



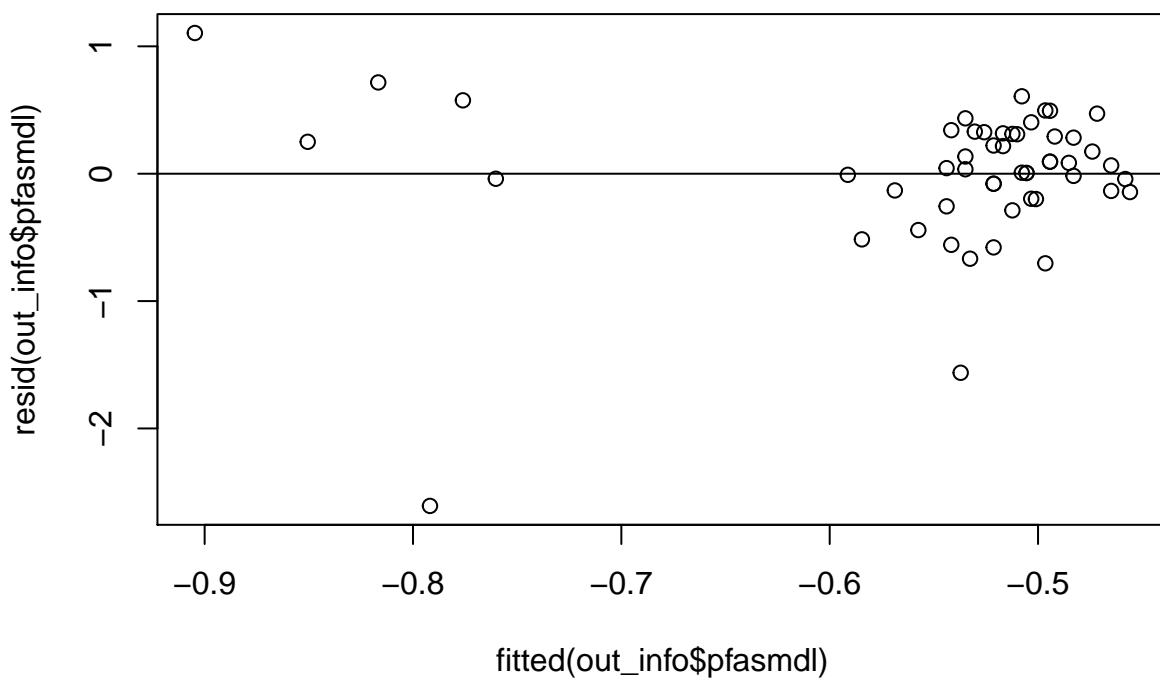
**Normal Q-Q Plot**



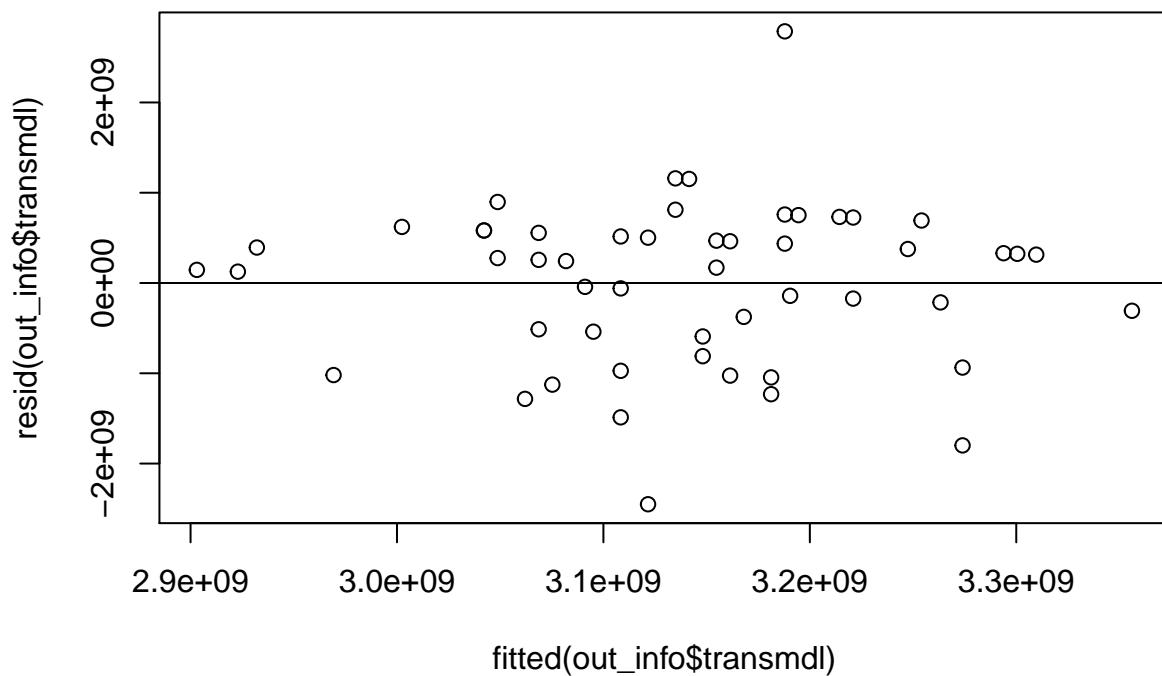
### Normal Q-Q Plot



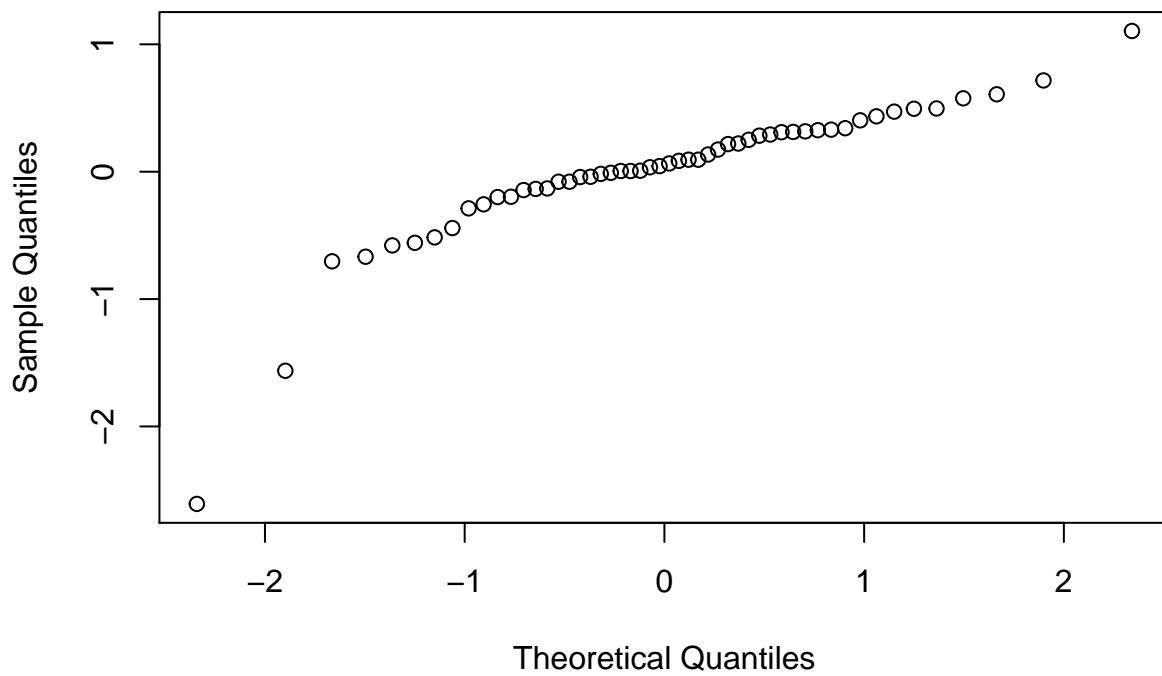
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.num.fireruns  
Plot of nPFOAorigEthnicity**



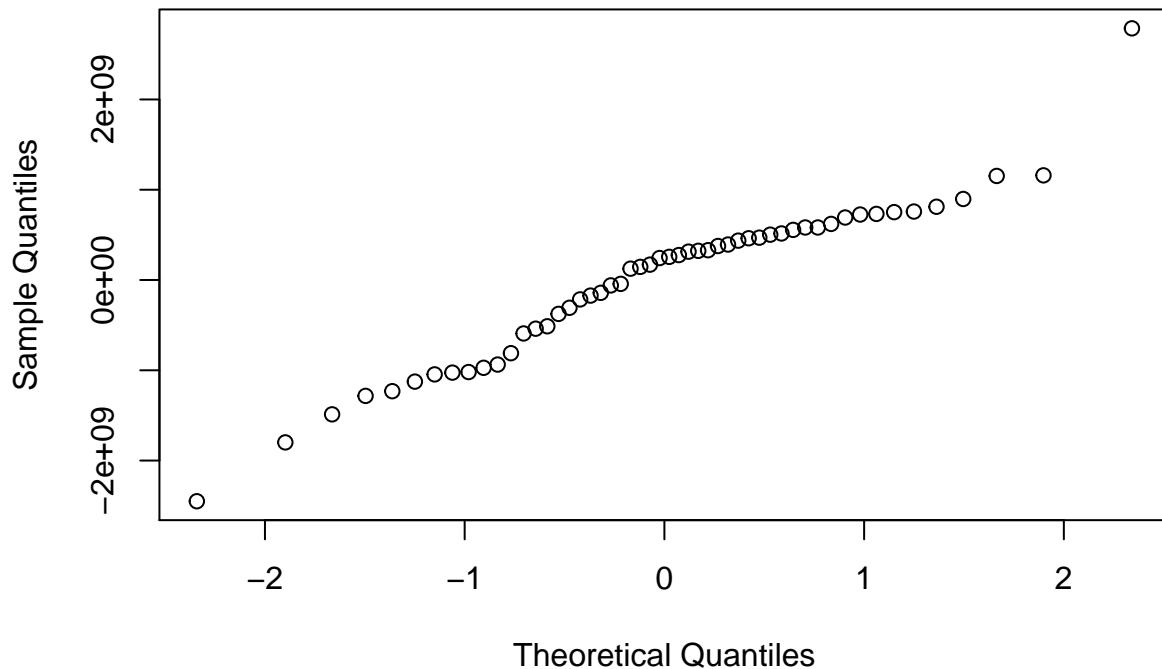
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.num.fireruns  
Plot of SmPFOStransEthnicity**



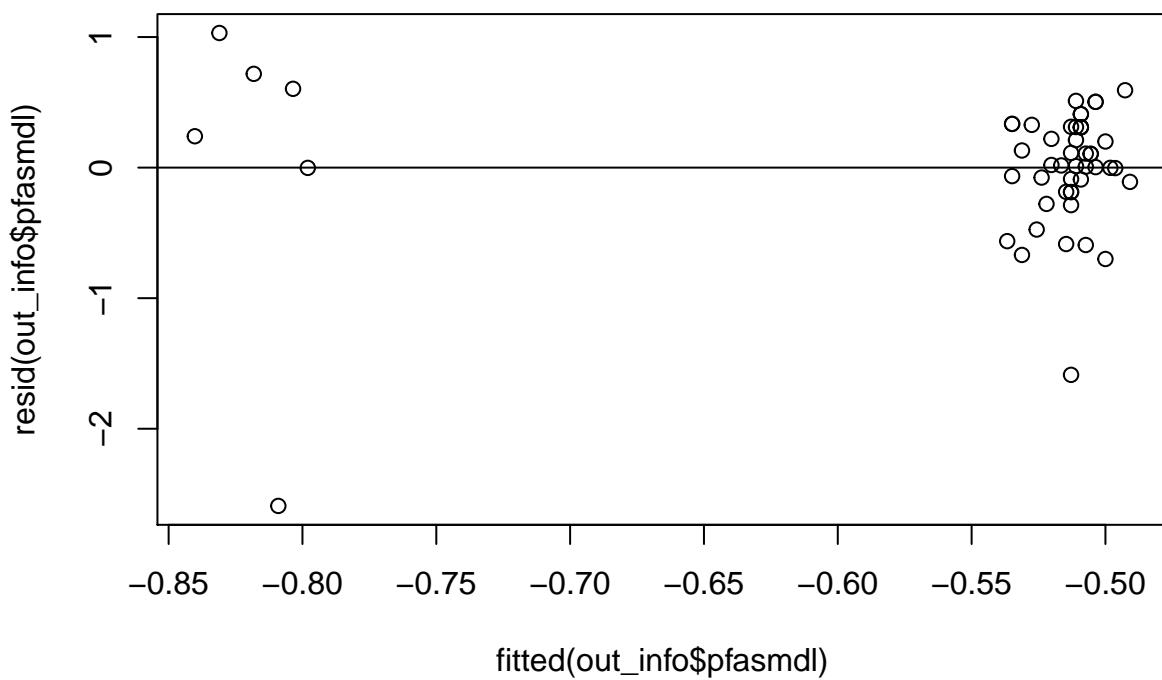
**Normal Q-Q Plot**



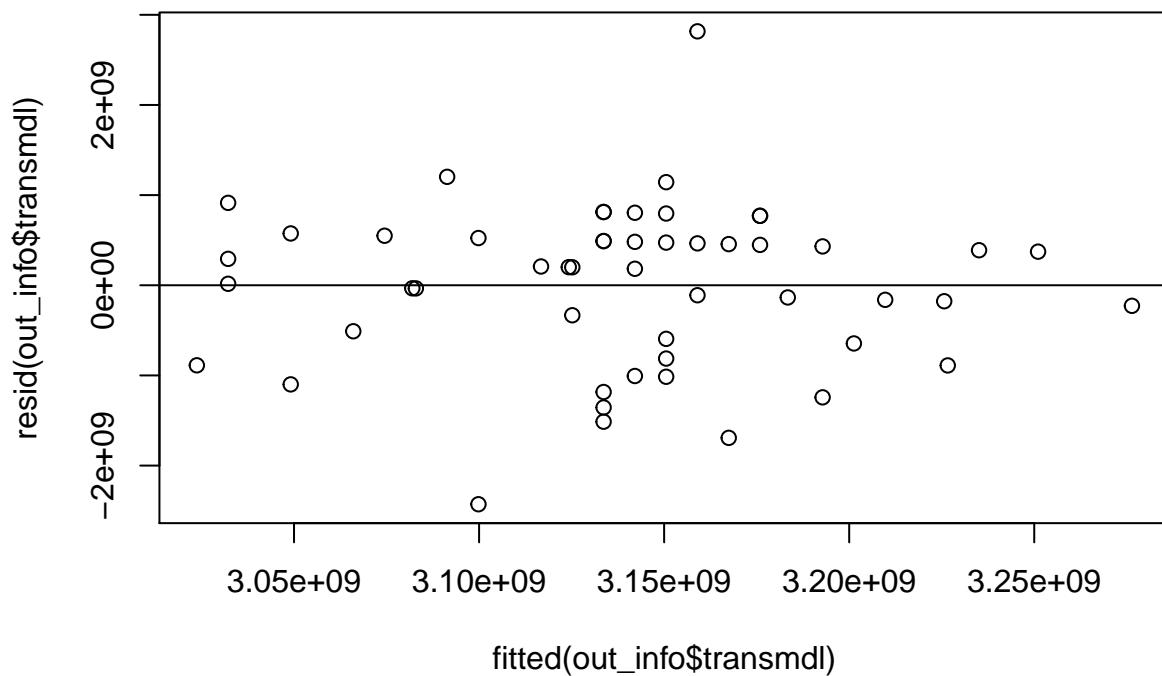
### Normal Q-Q Plot



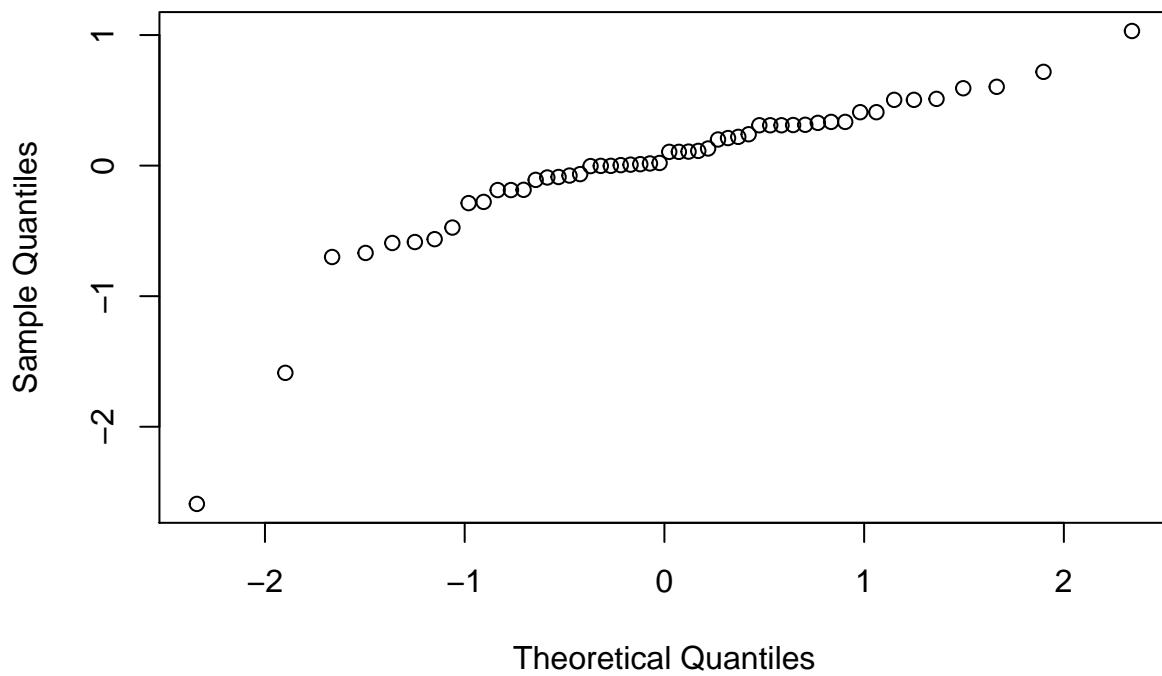
**Plot of fnPFOAorig+  
Plot of fnPFOAorigstr.num.fireruns  
Plot of fnPFOAorigEthnicity**



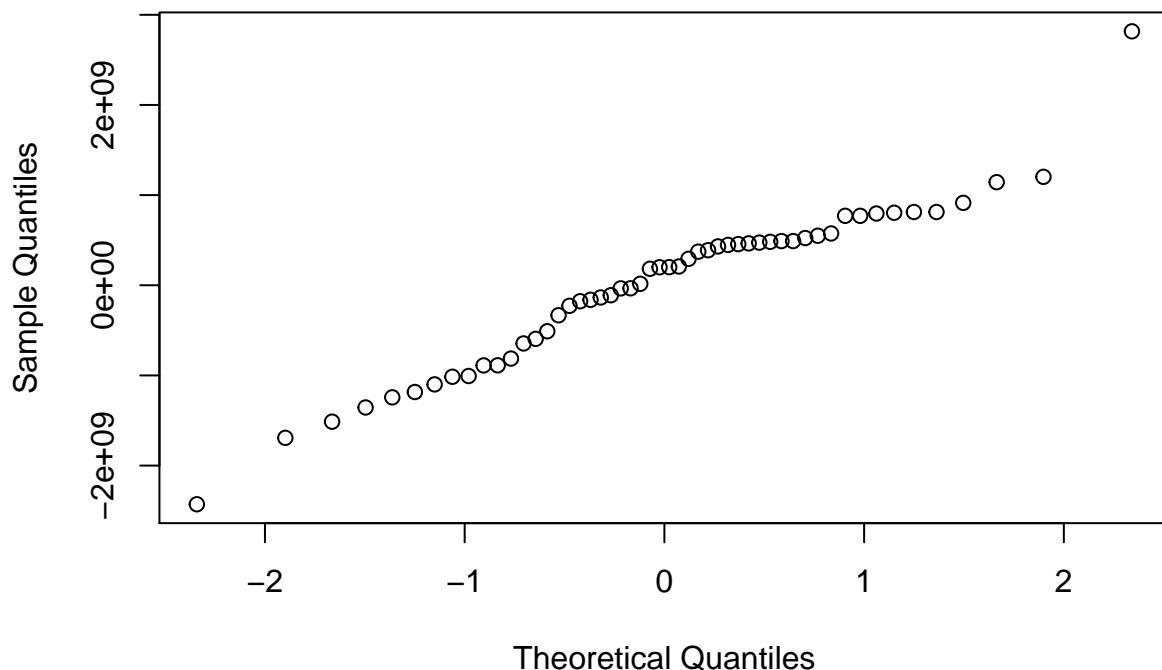
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



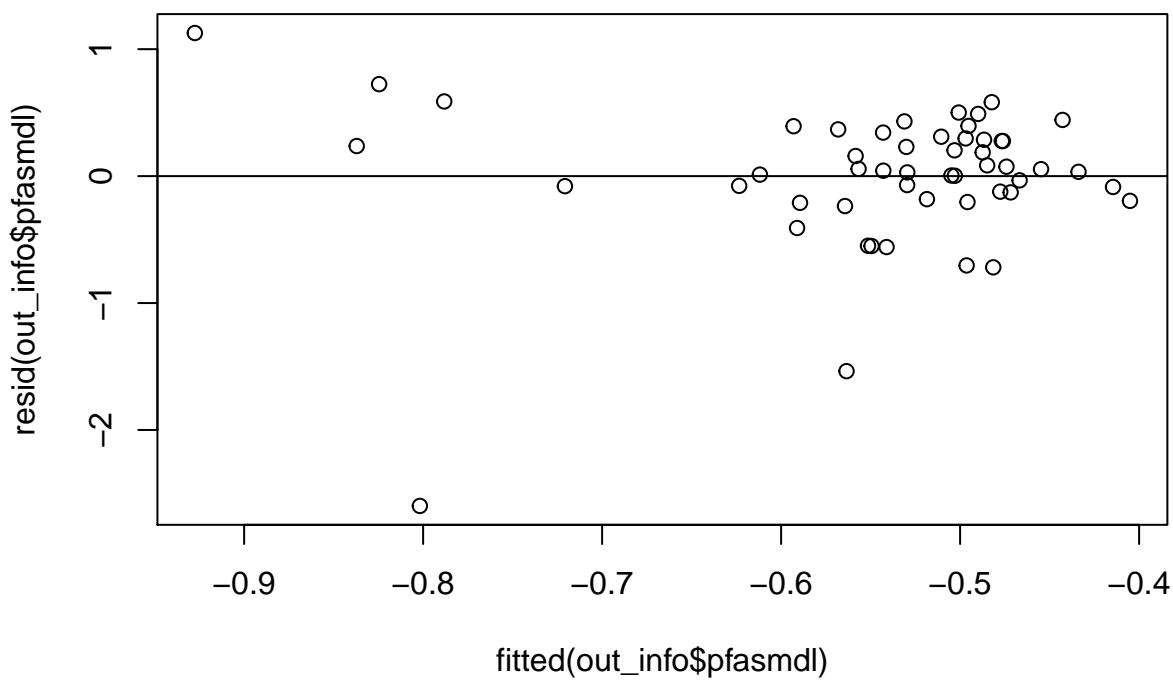
**Normal Q-Q Plot**



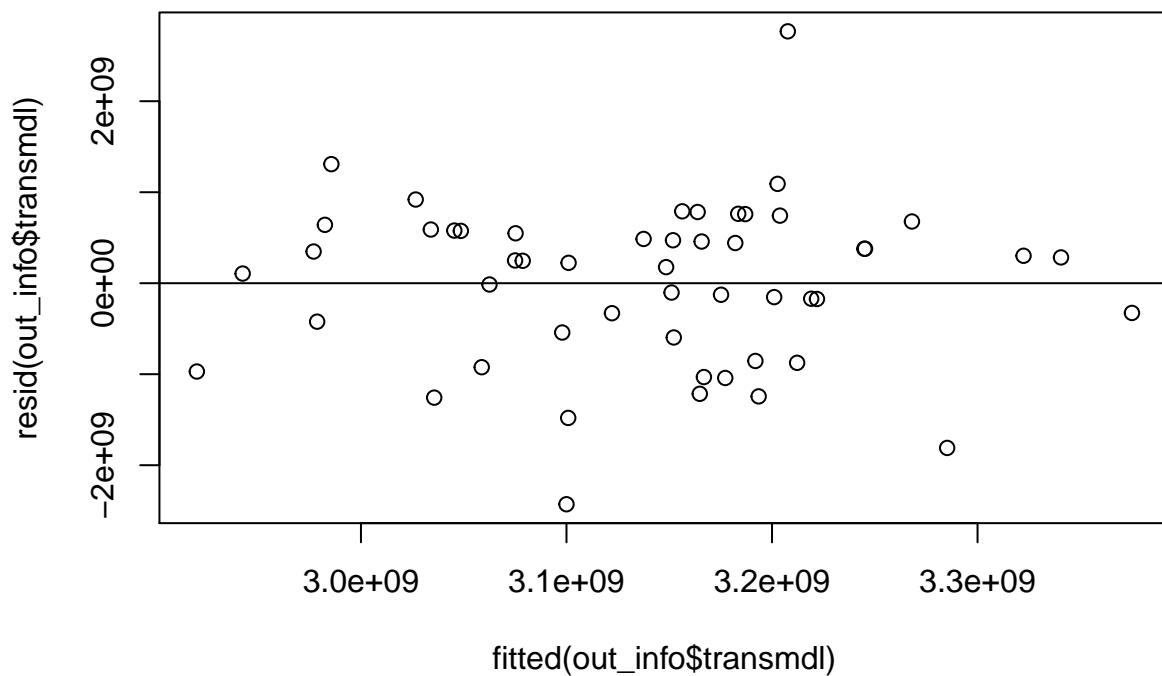
### Normal Q-Q Plot



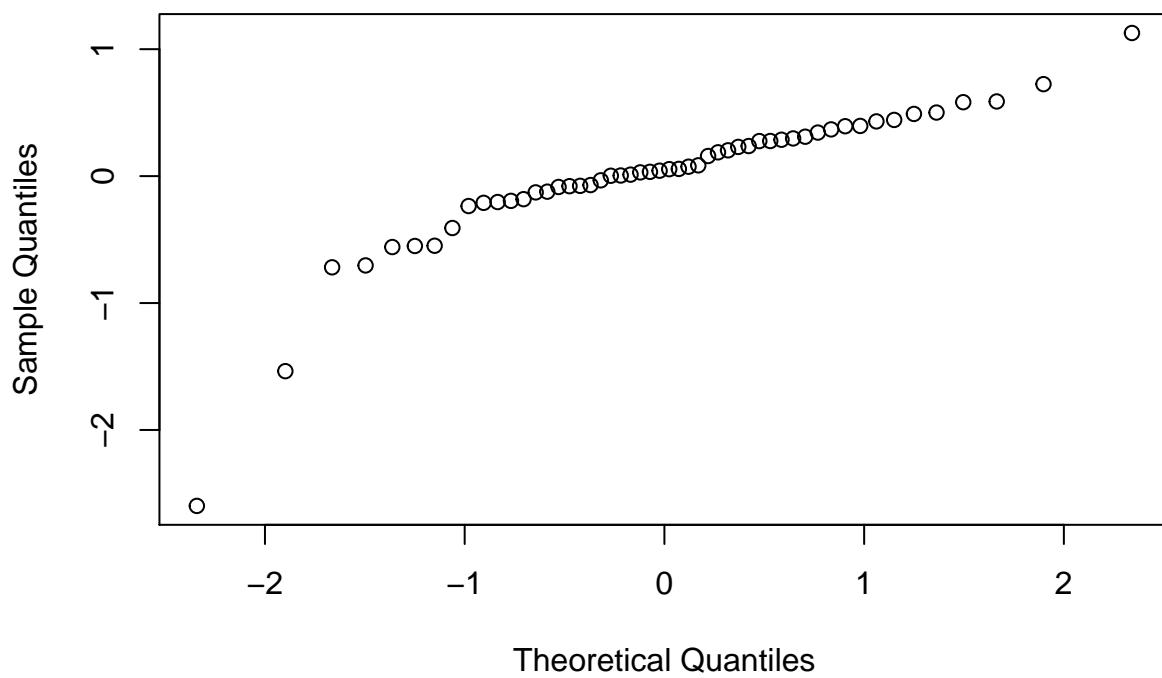
**Plot of nPFOAorig+  
Plot of nPFOAorigtotal.duration.hrs  
Plot of nPFOAorigEthnicity**



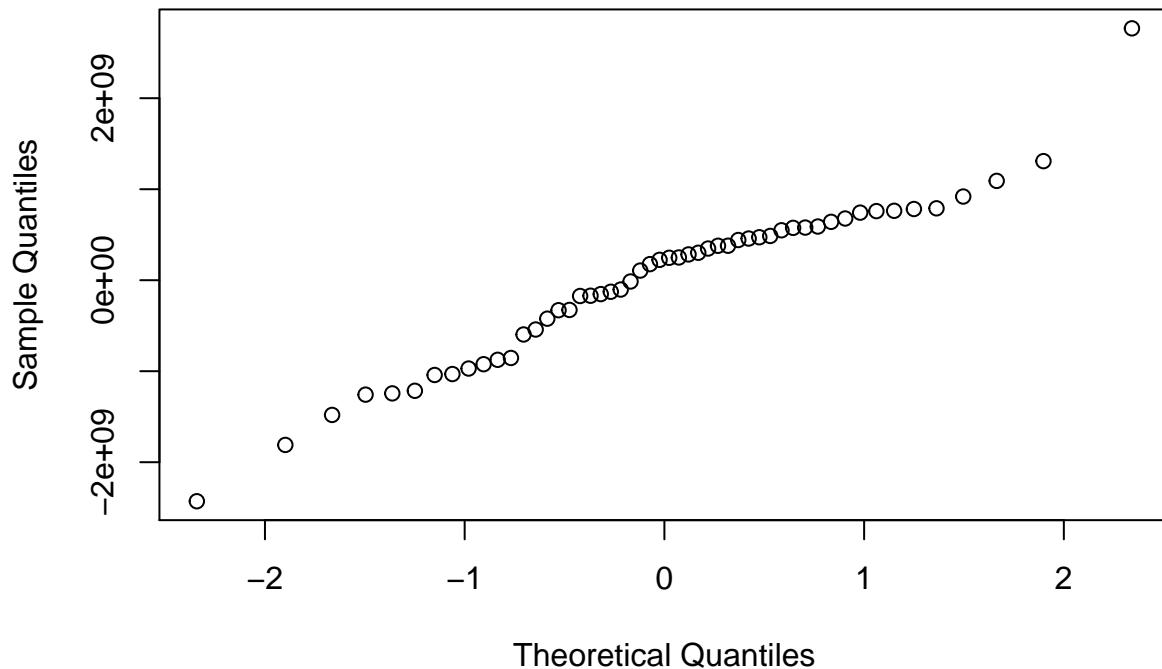
**Plot of SmPFOStrans+  
Plot of SmPFOStran\$transtotal.duration.hrs  
Plot of SmPFOStransEthnicity**



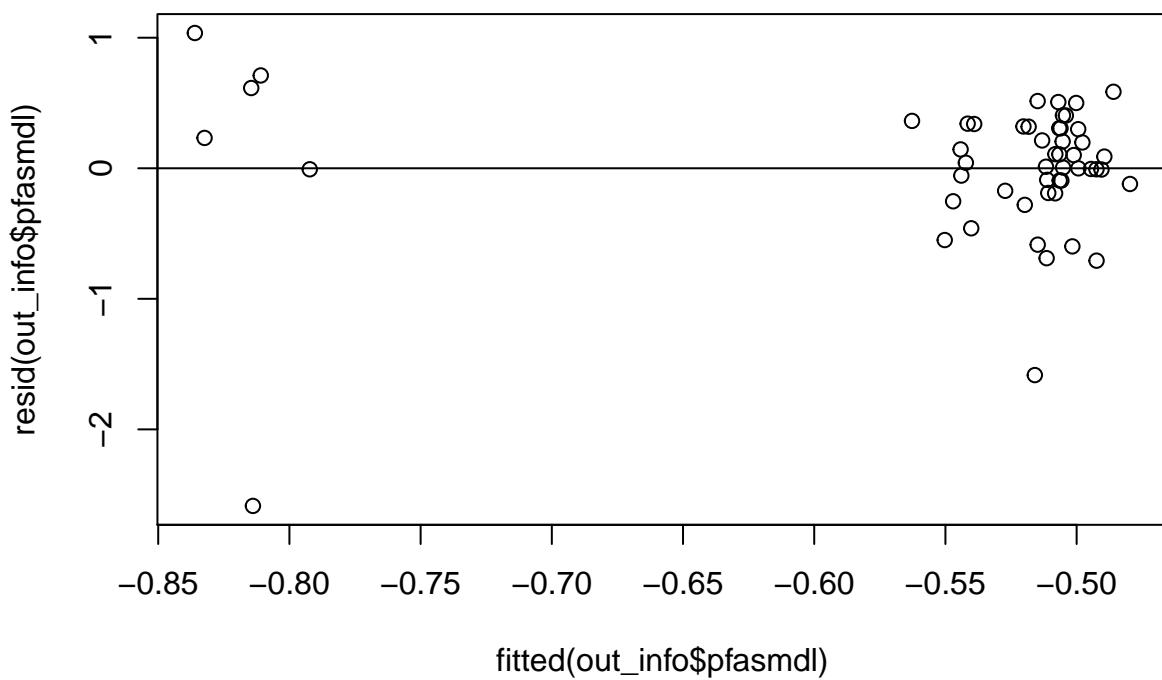
**Normal Q-Q Plot**



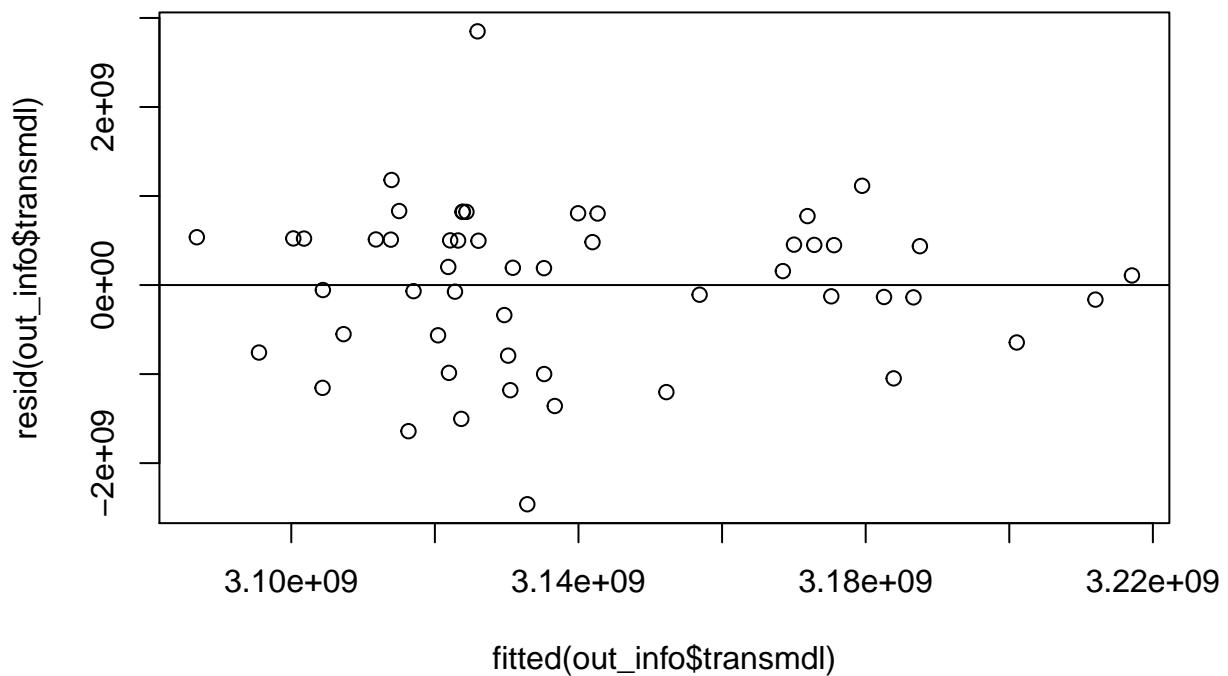
### Normal Q-Q Plot



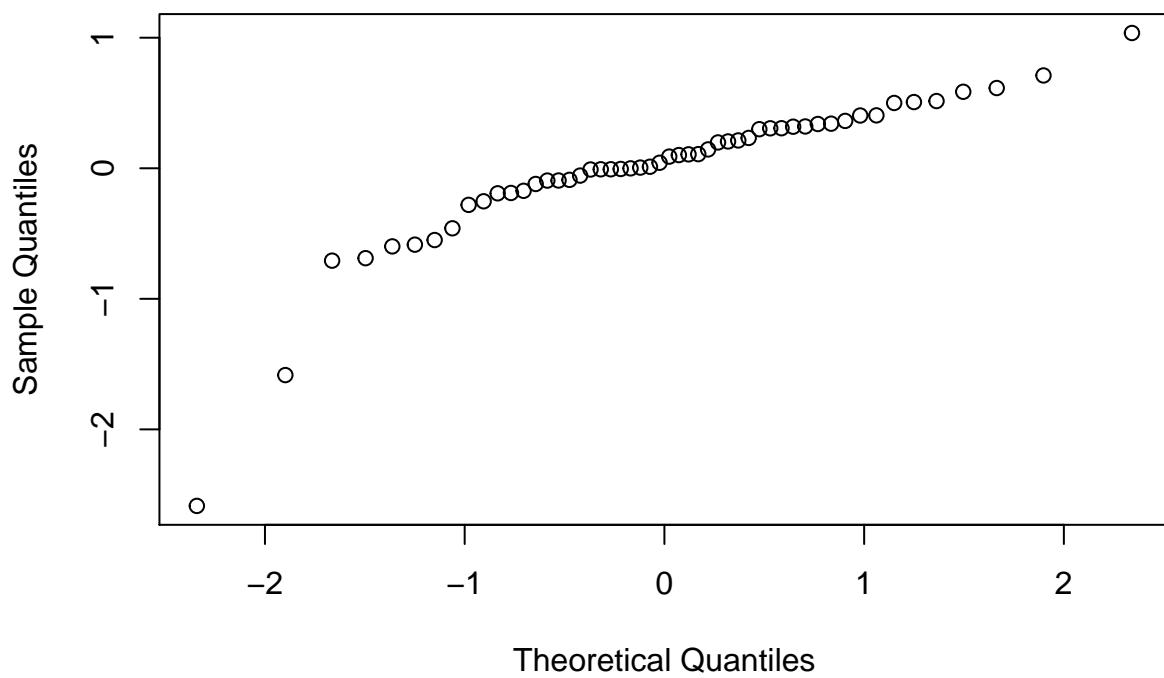
**Plot of fnPFOAorig+  
Plot of fnPFOAorigstr.duration.hrs  
Plot of fnPFOAorigEthnicity**



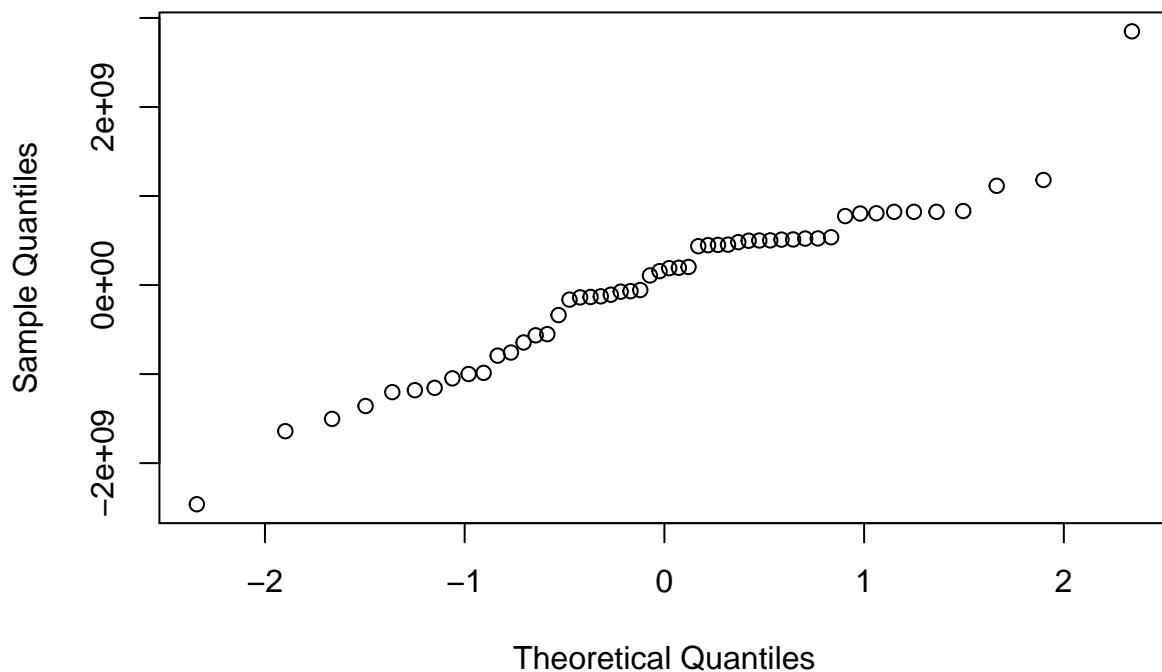
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



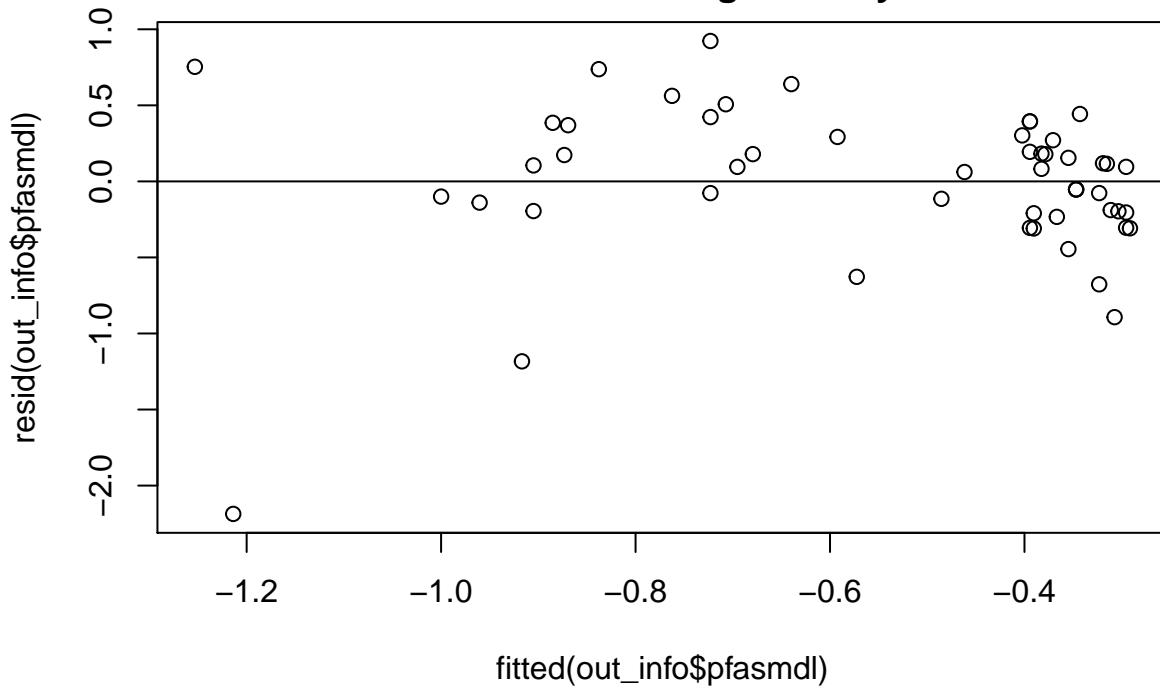
**Normal Q-Q Plot**



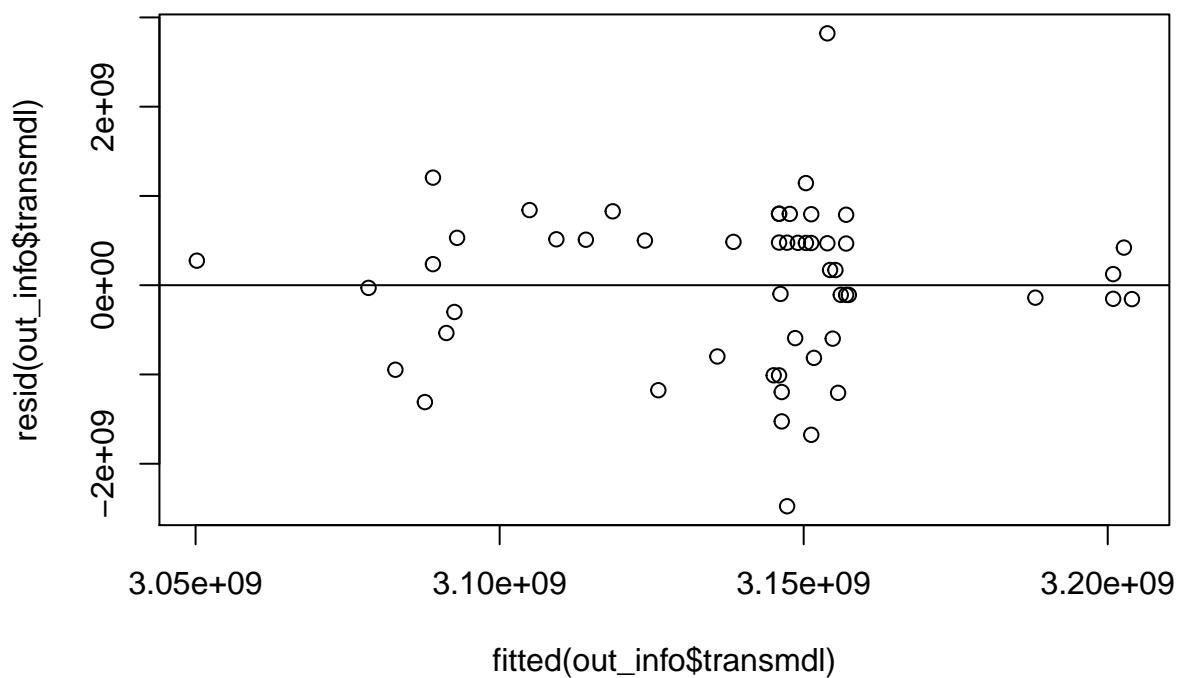
### Normal Q-Q Plot



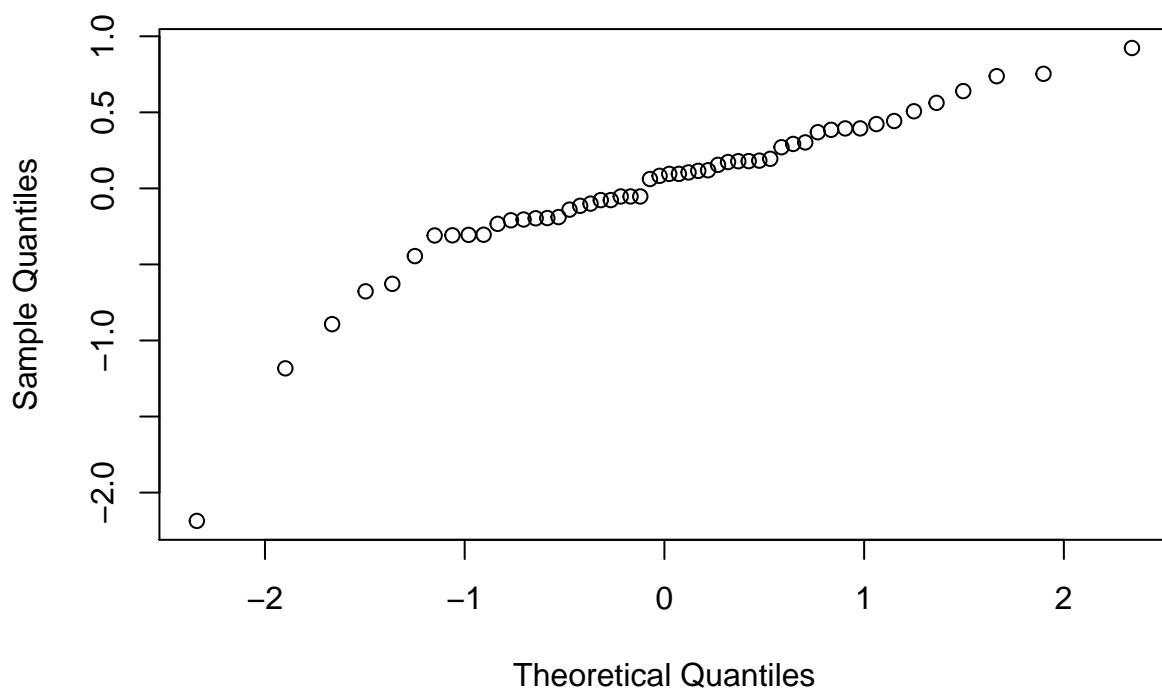
**Plot of nPFOAorig+**  
**Plot of nPFOAorigdays.since.MRF**  
**Plot of nPFOAorigEthnicity**



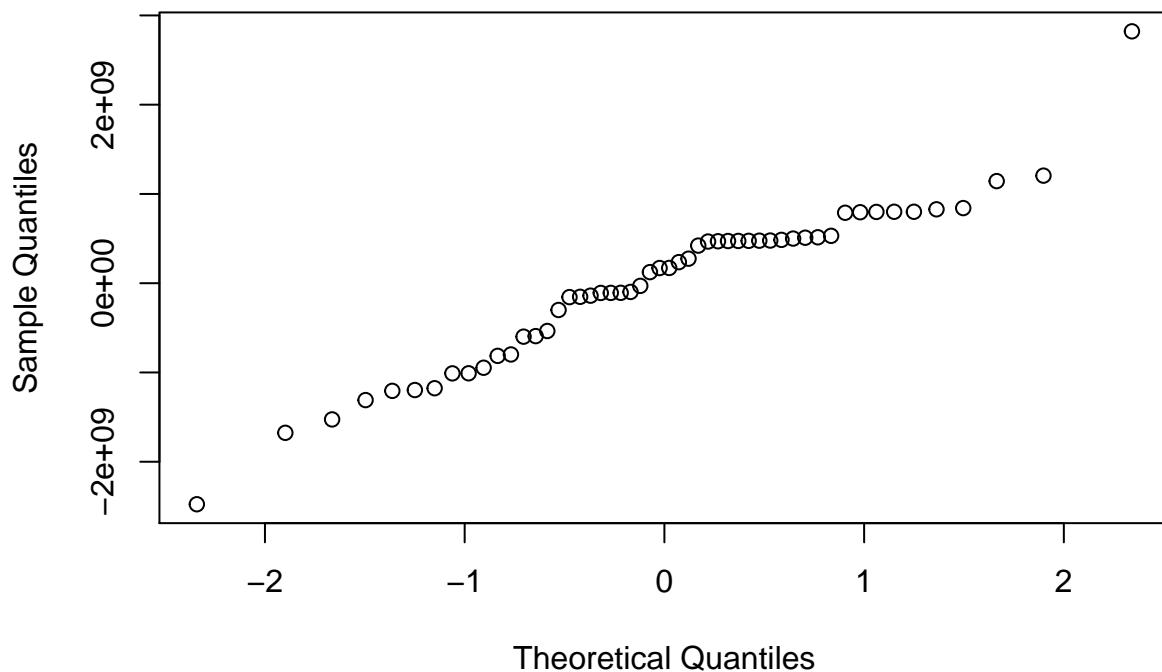
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**



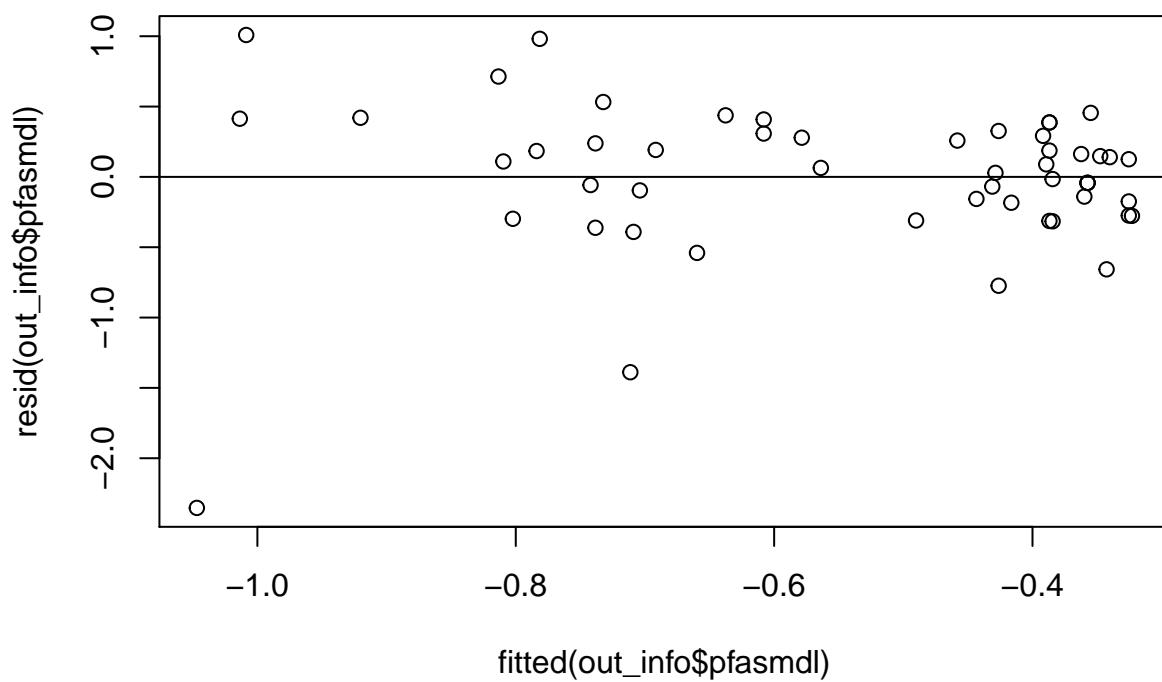
**Normal Q-Q Plot**



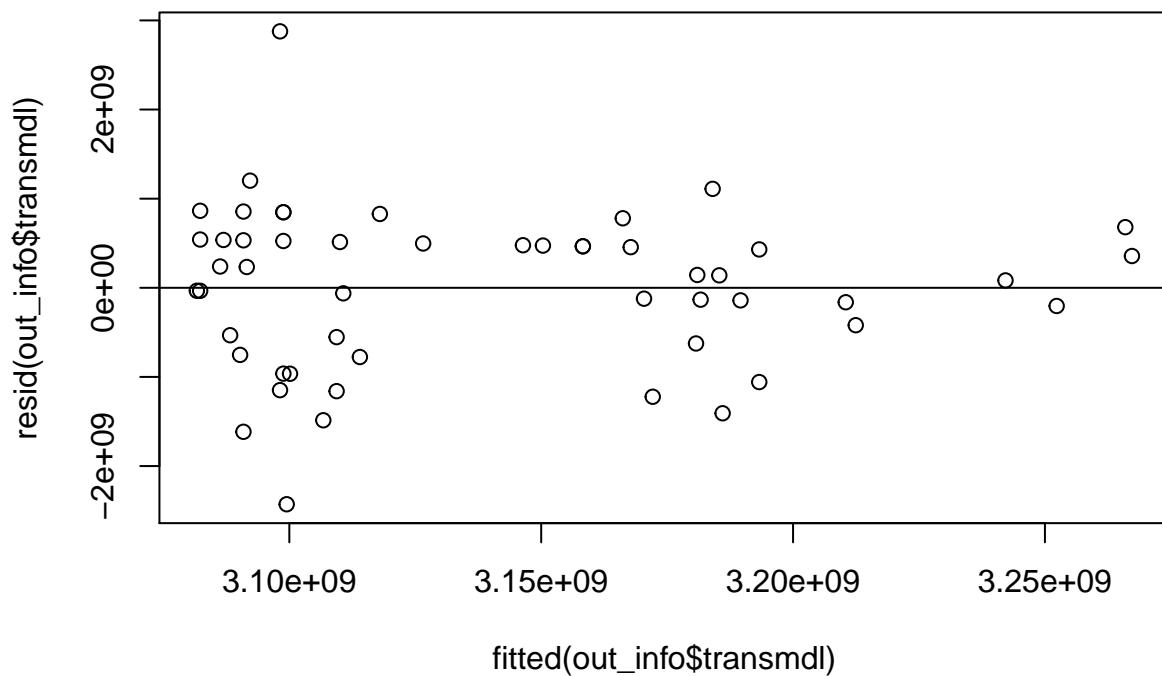
### Normal Q-Q Plot



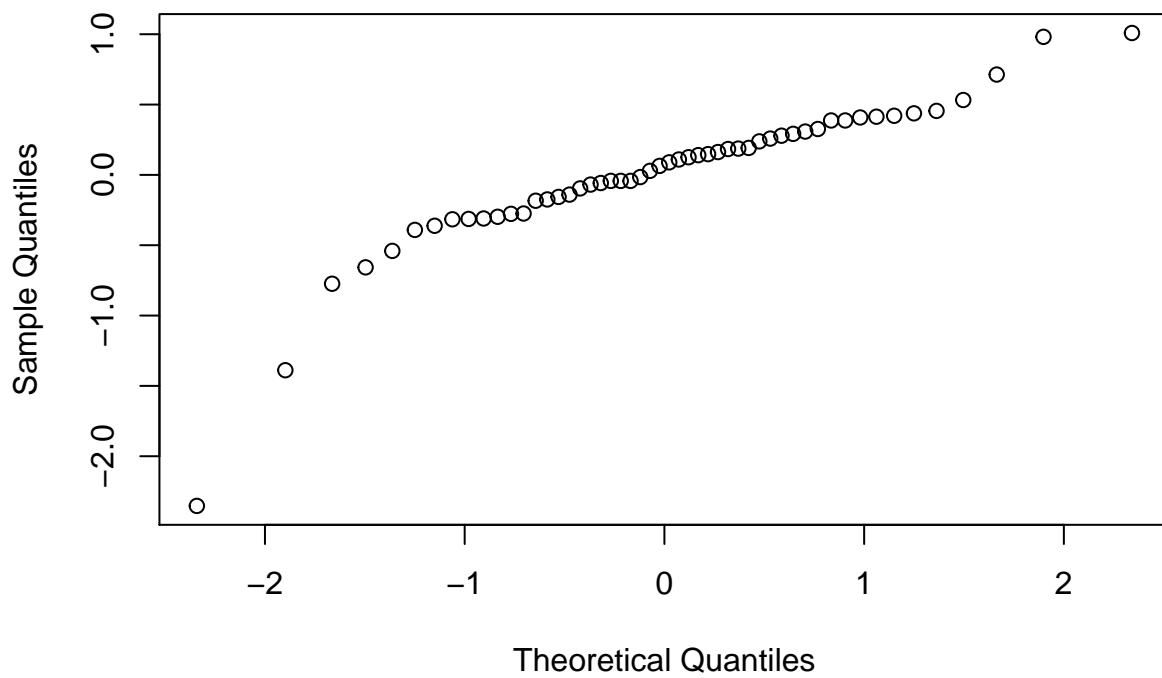
**Plot of fnPFOAorig+**  
**Plot of fnPFOAorigdays.since.struc.MRF**  
**Plot of fnPFOAorigEthnicity**



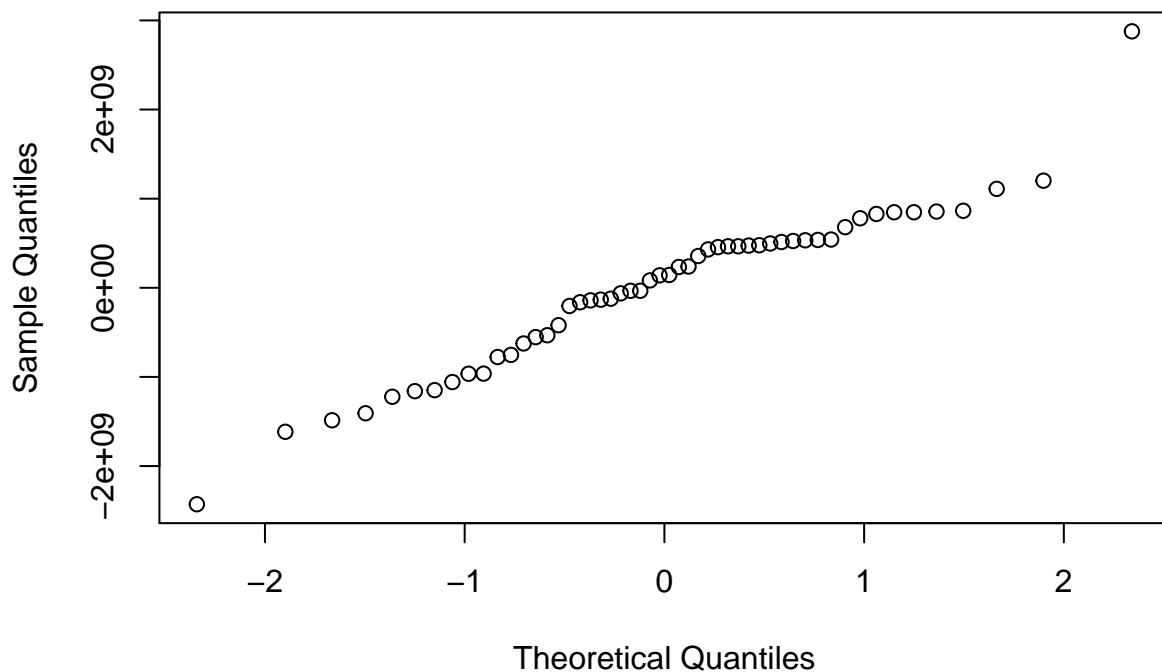
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



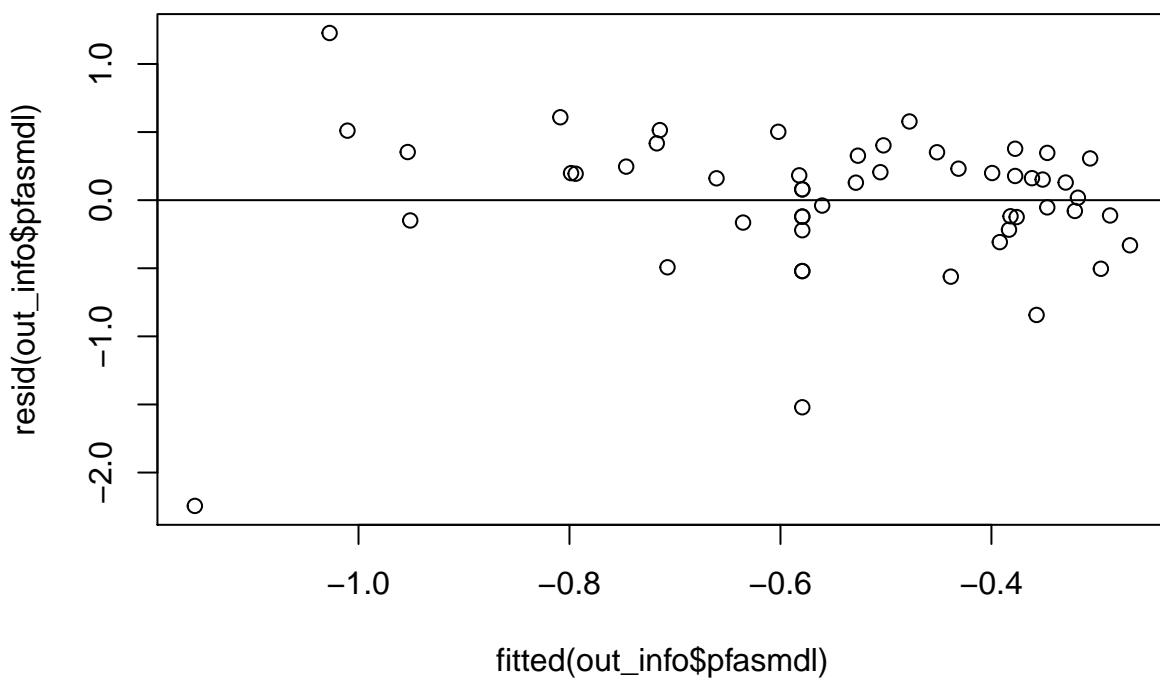
**Normal Q-Q Plot**



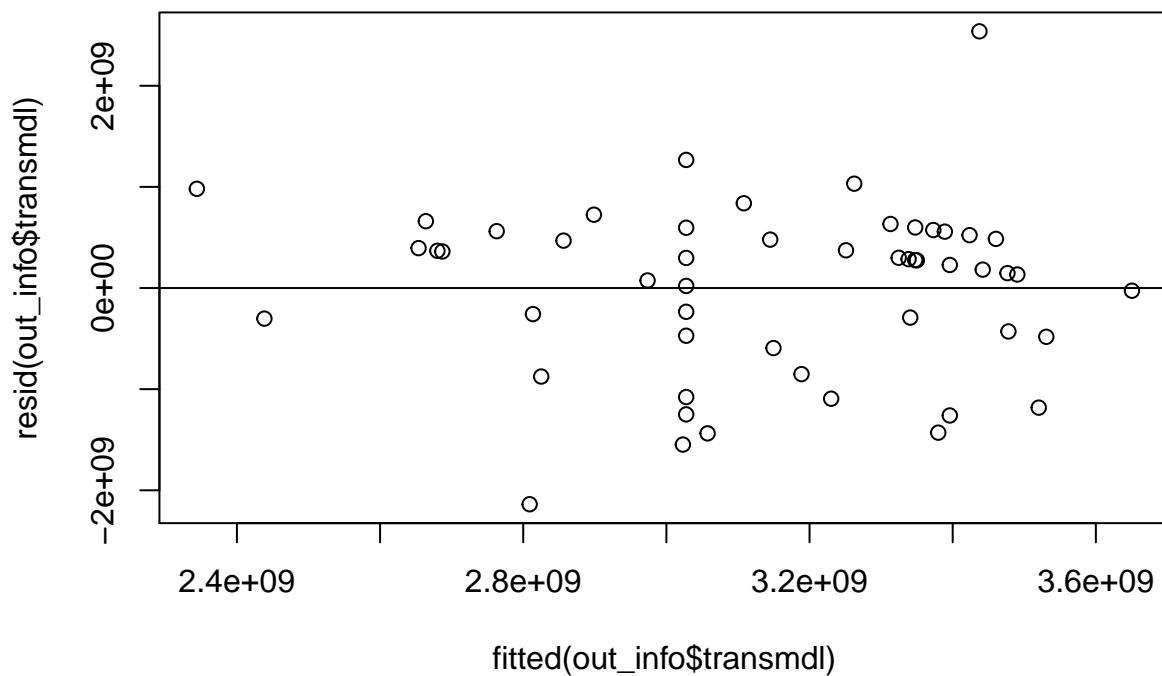
### Normal Q-Q Plot



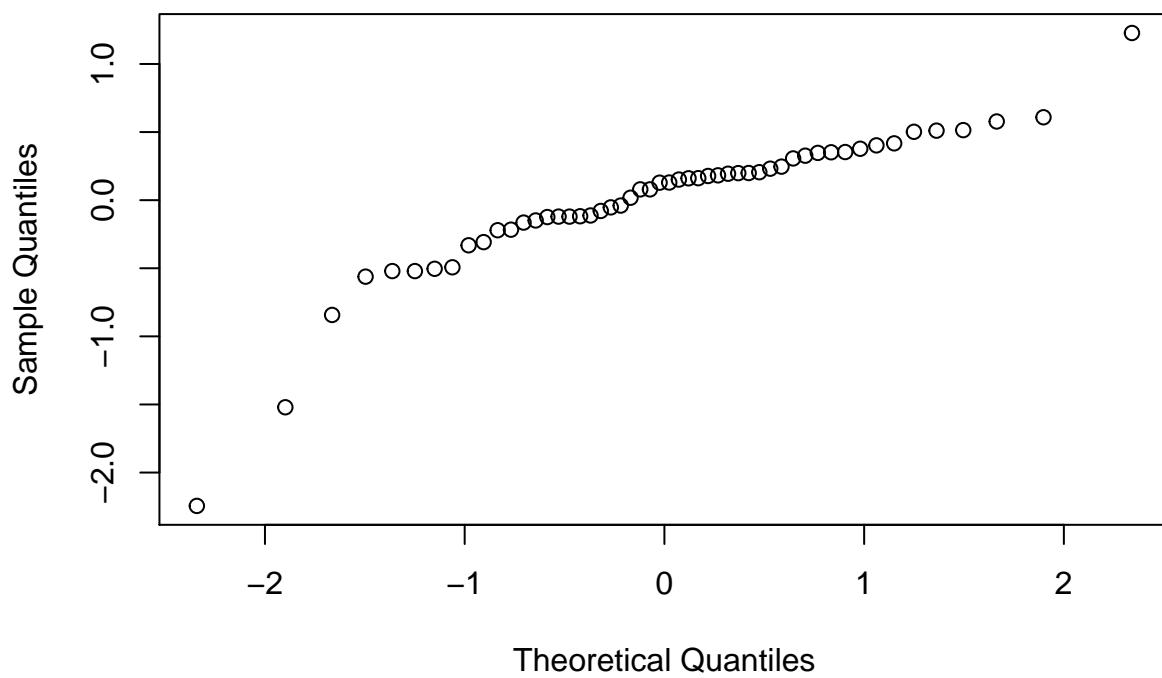
**Plot of nPFOAorig+**  
**Plot of nPFOAorigtime.since.baseline**  
**Plot of nPFOAorigEthnicity**



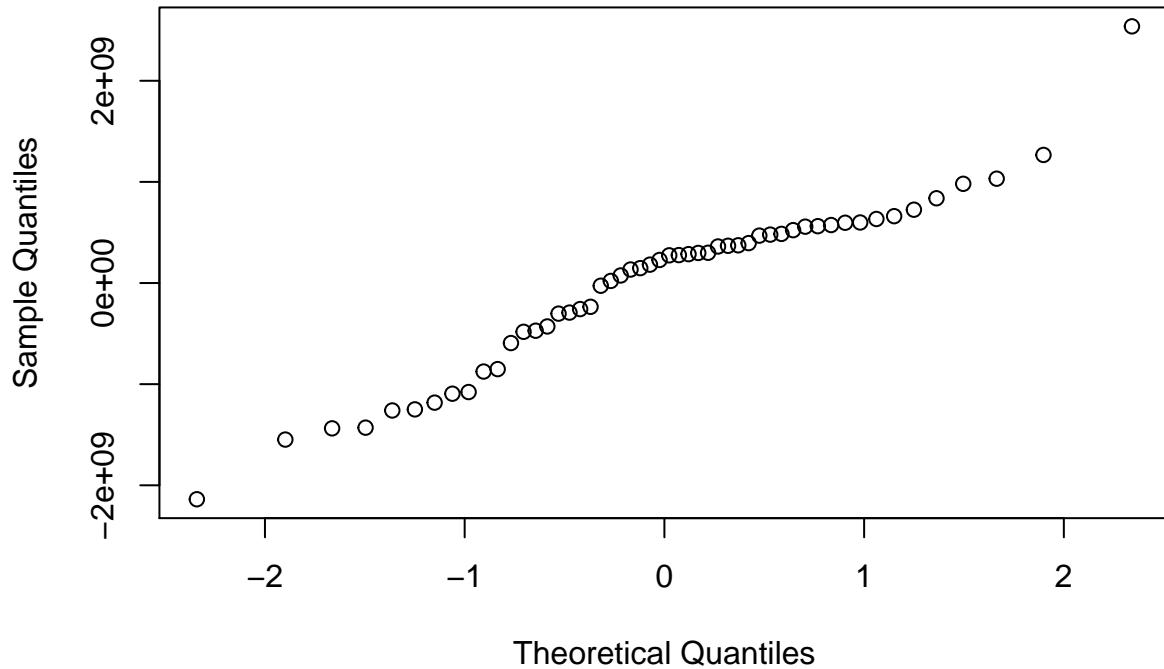
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



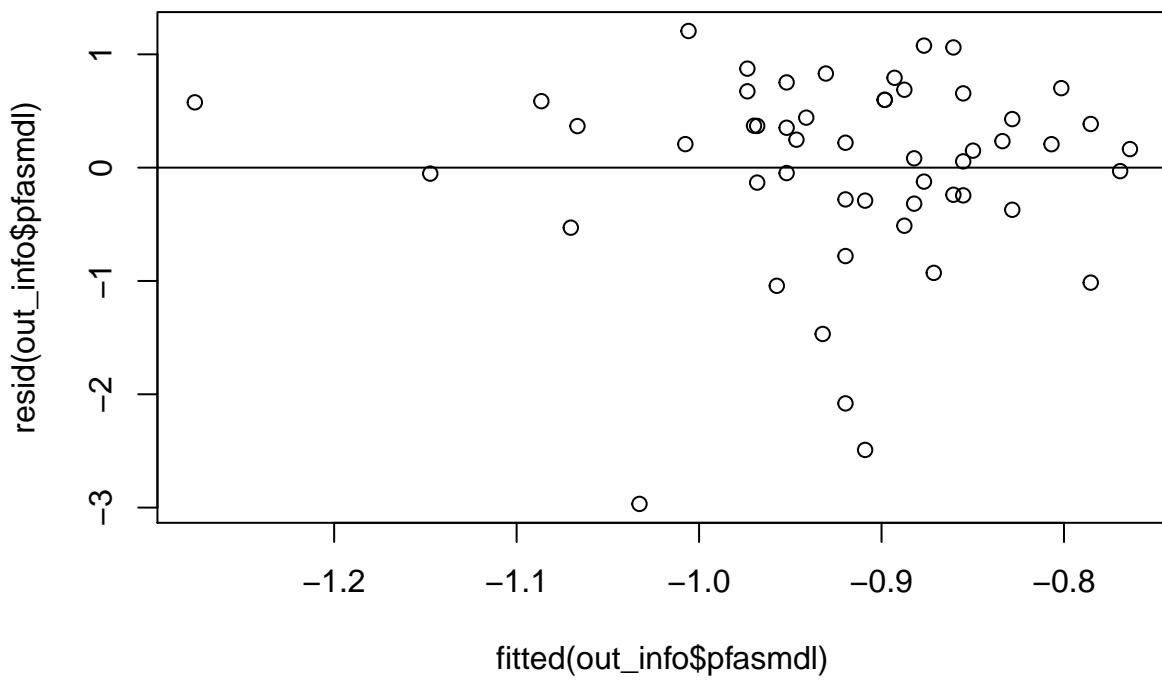
**Normal Q-Q Plot**



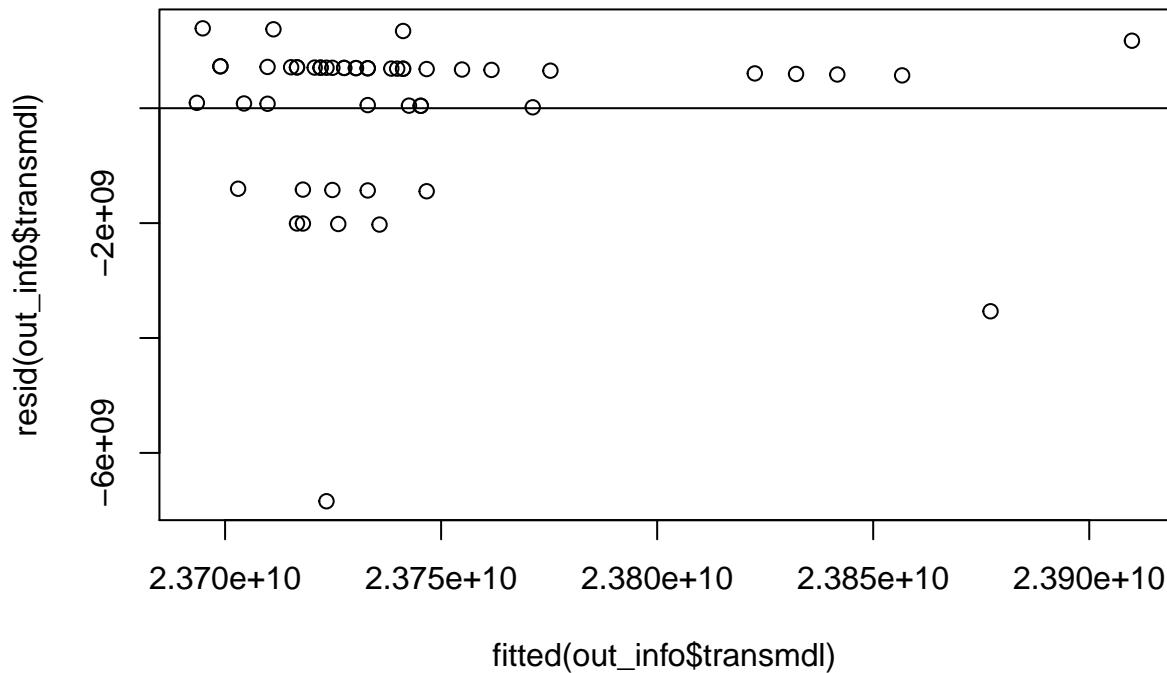
### Normal Q-Q Plot



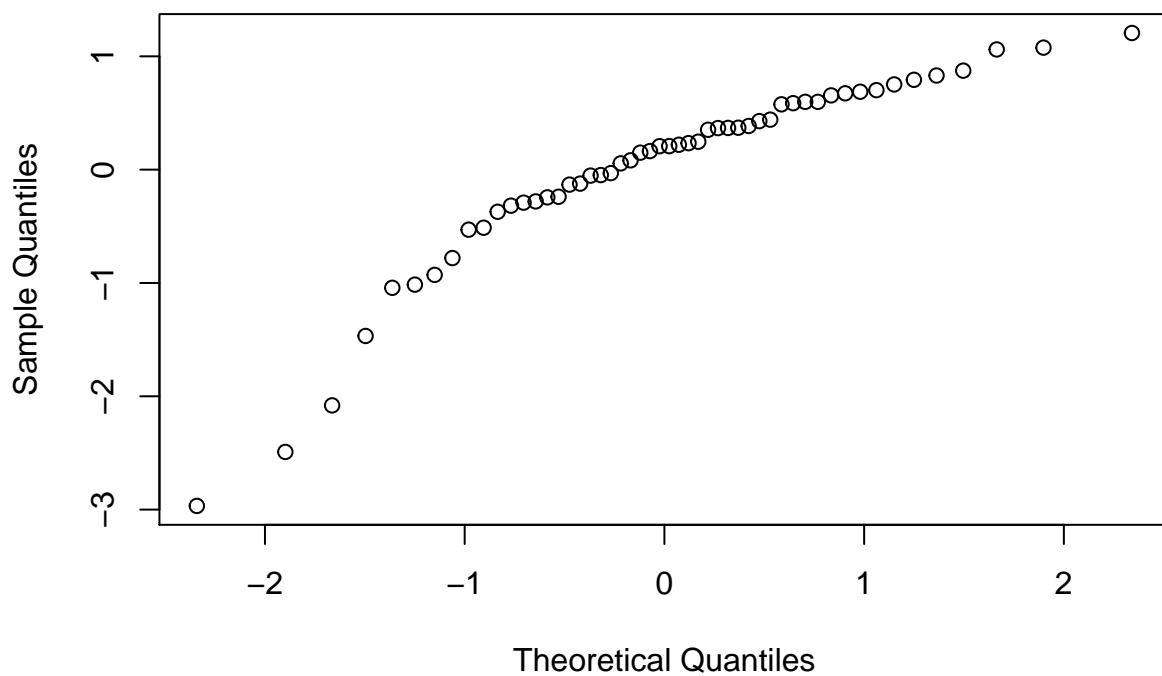
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$orig\$Ethnicity**



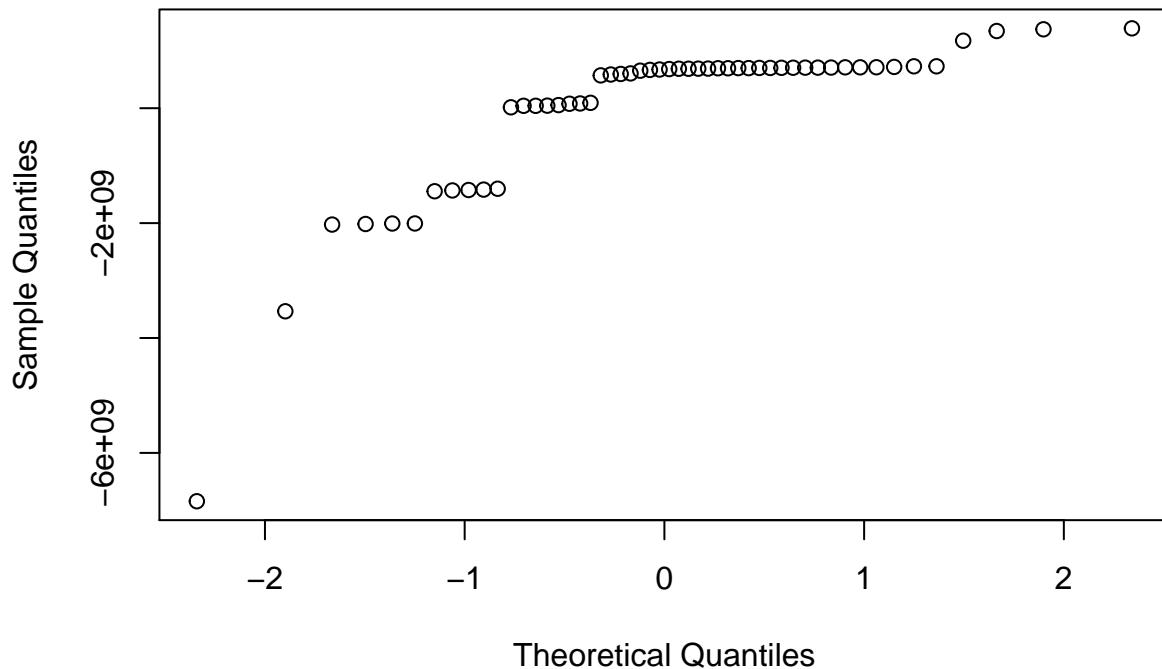
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



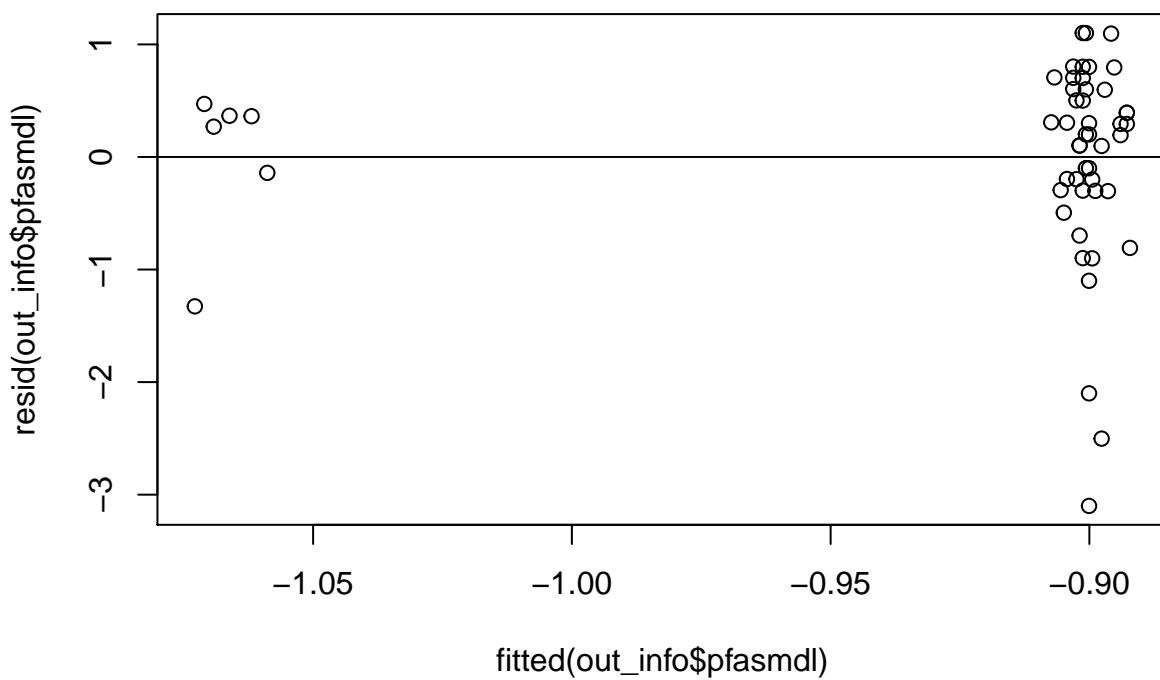
**Normal Q-Q Plot**



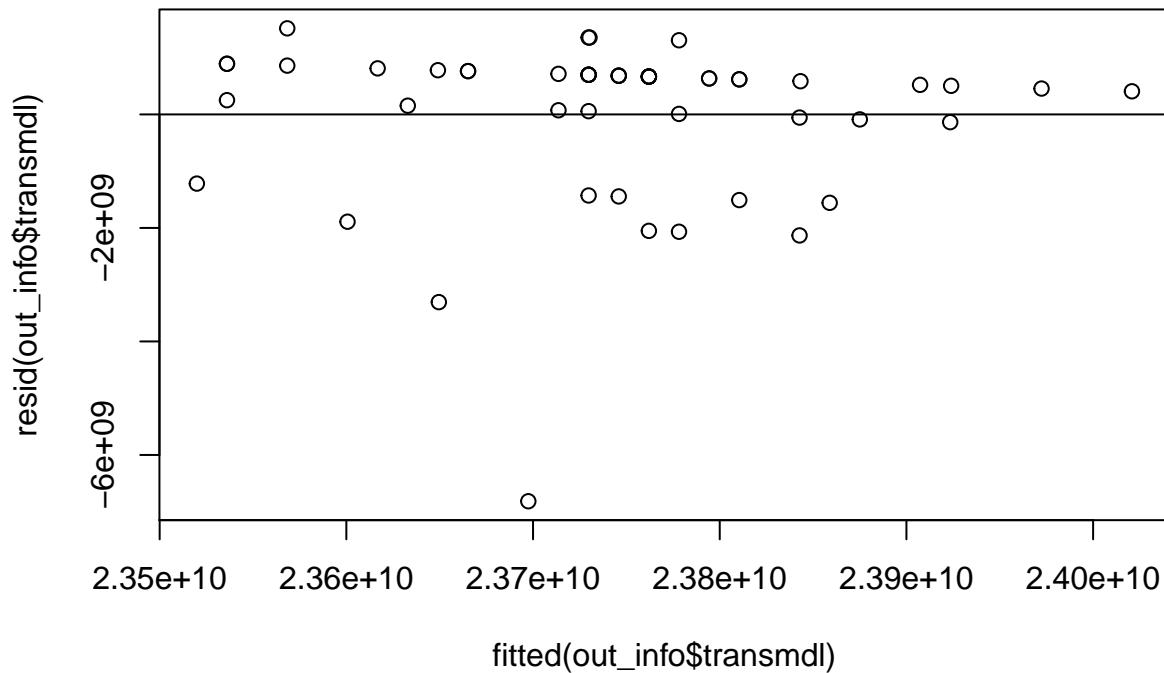
### Normal Q-Q Plot



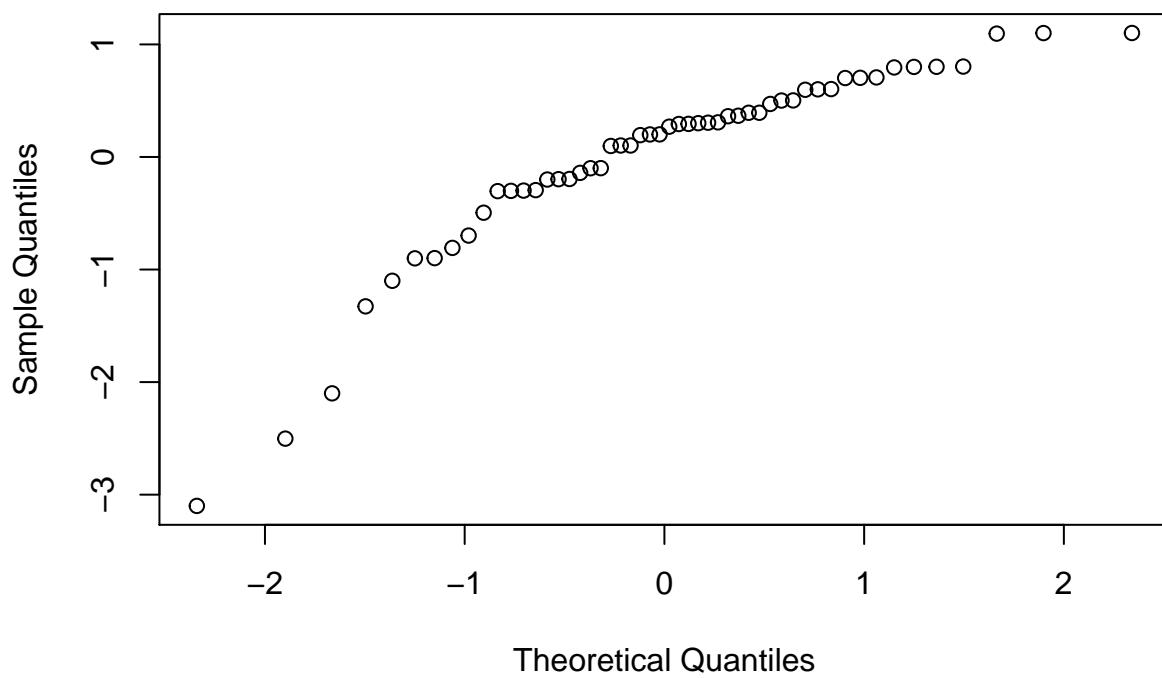
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.num.fireruns  
Plot of nPFO\$origEthnicity**



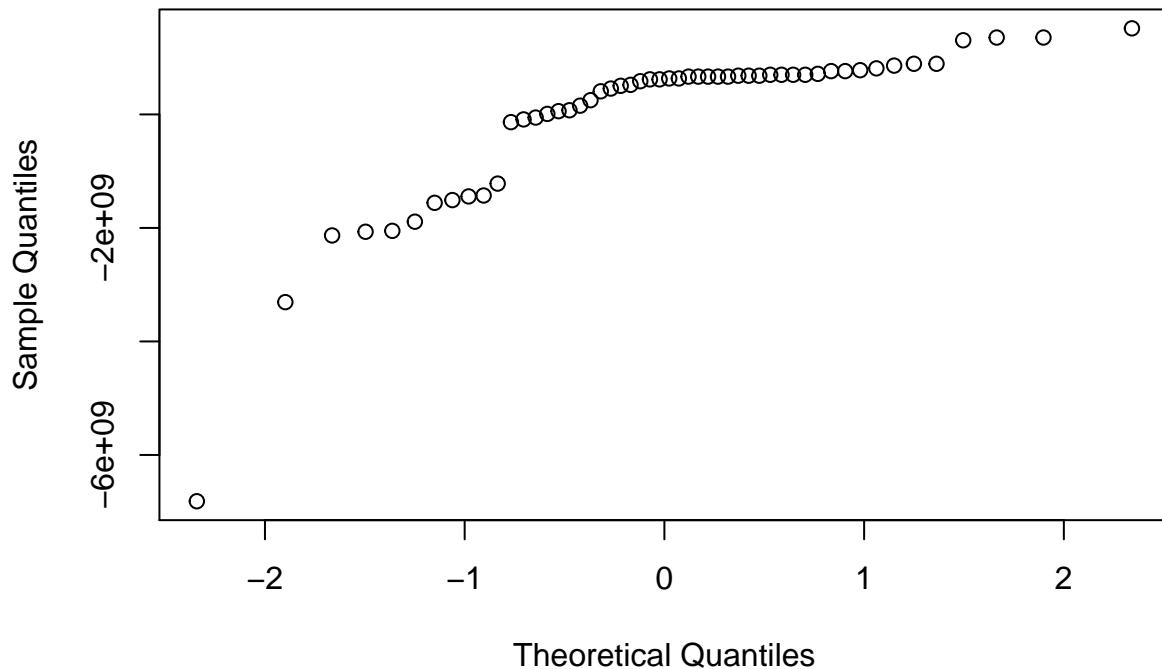
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.num.fireruns  
Plot of PFOSAtransEthnicity**



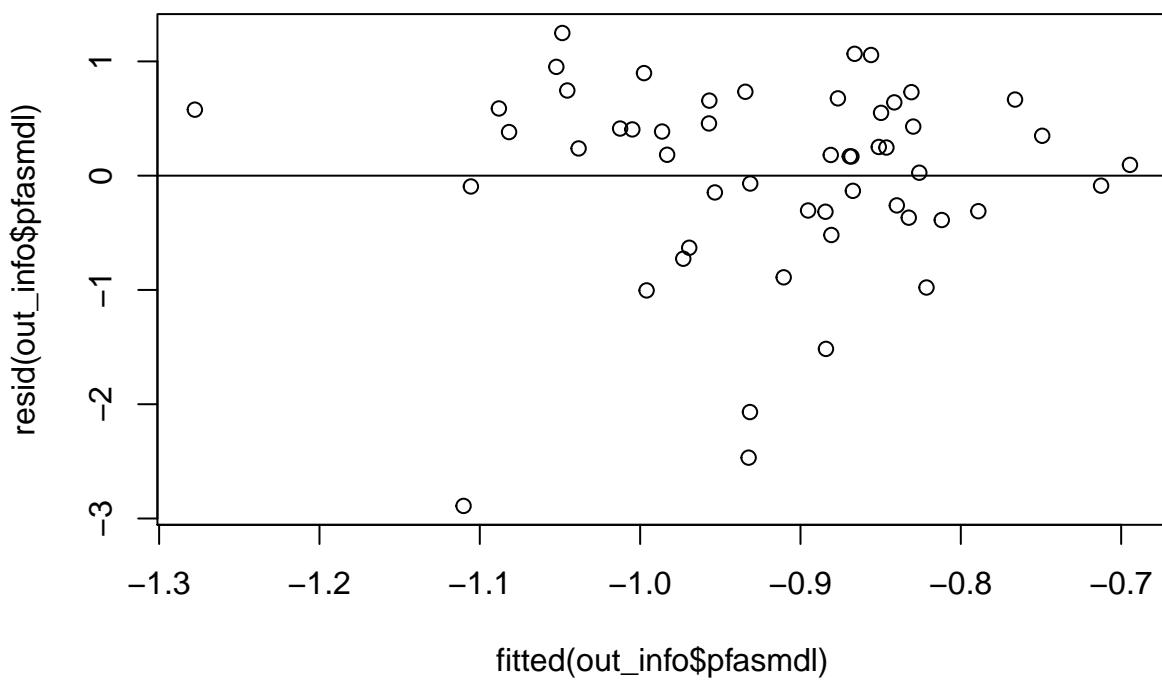
**Normal Q-Q Plot**



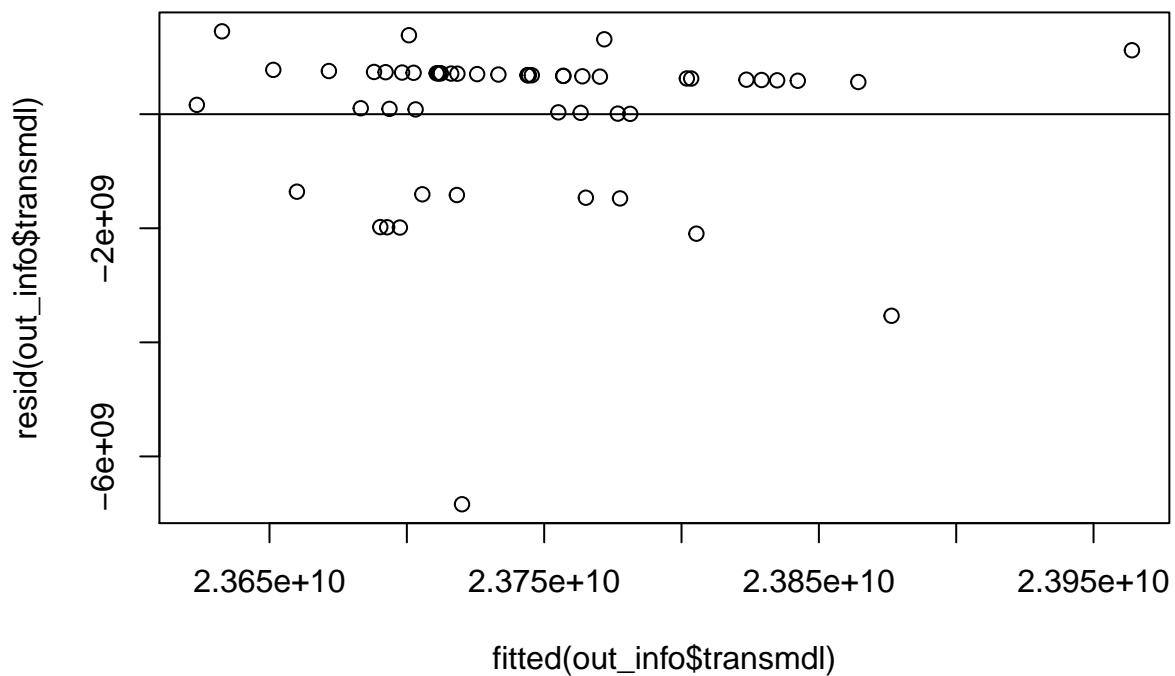
### Normal Q-Q Plot



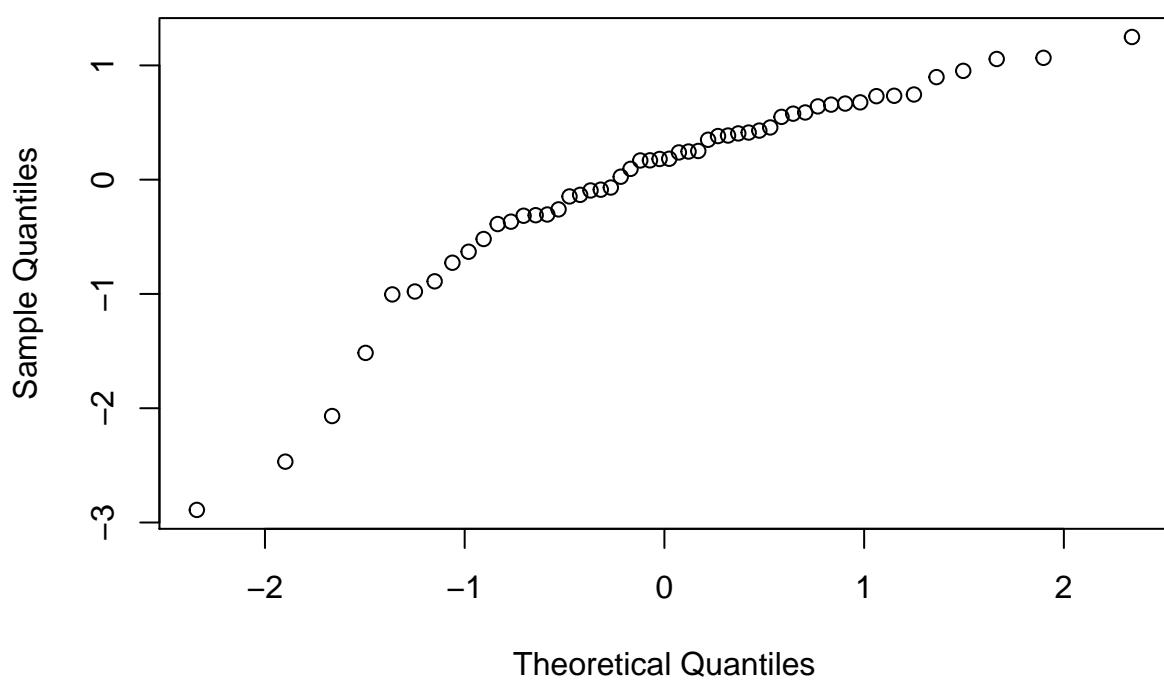
**Plot of nPFO\$orig +  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**



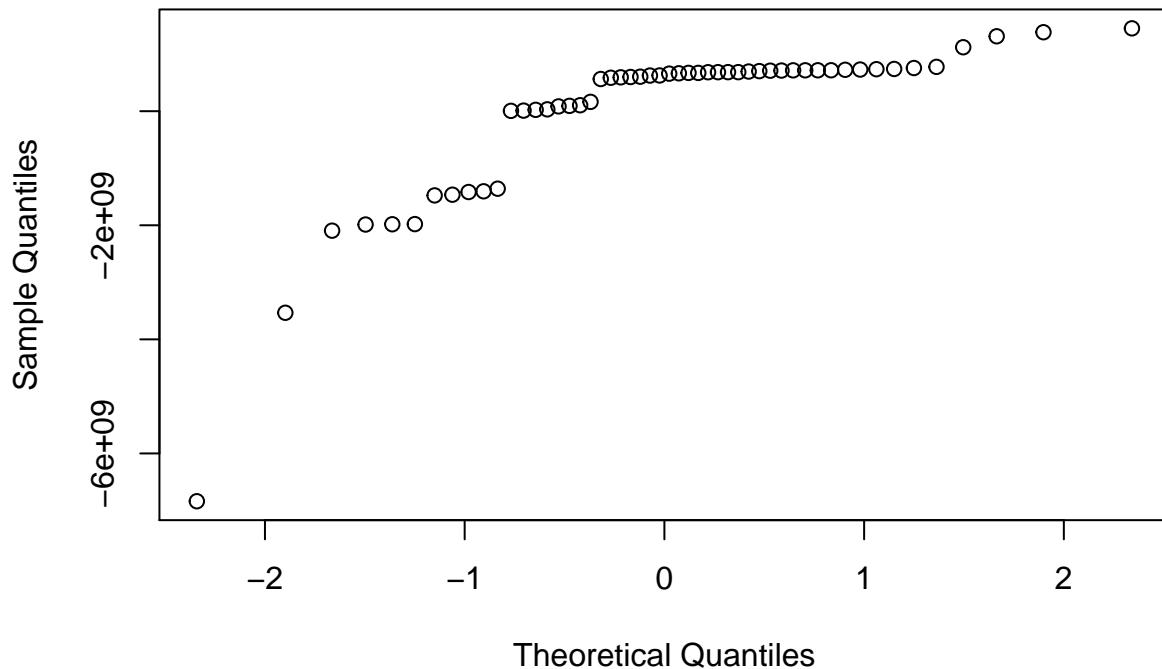
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Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



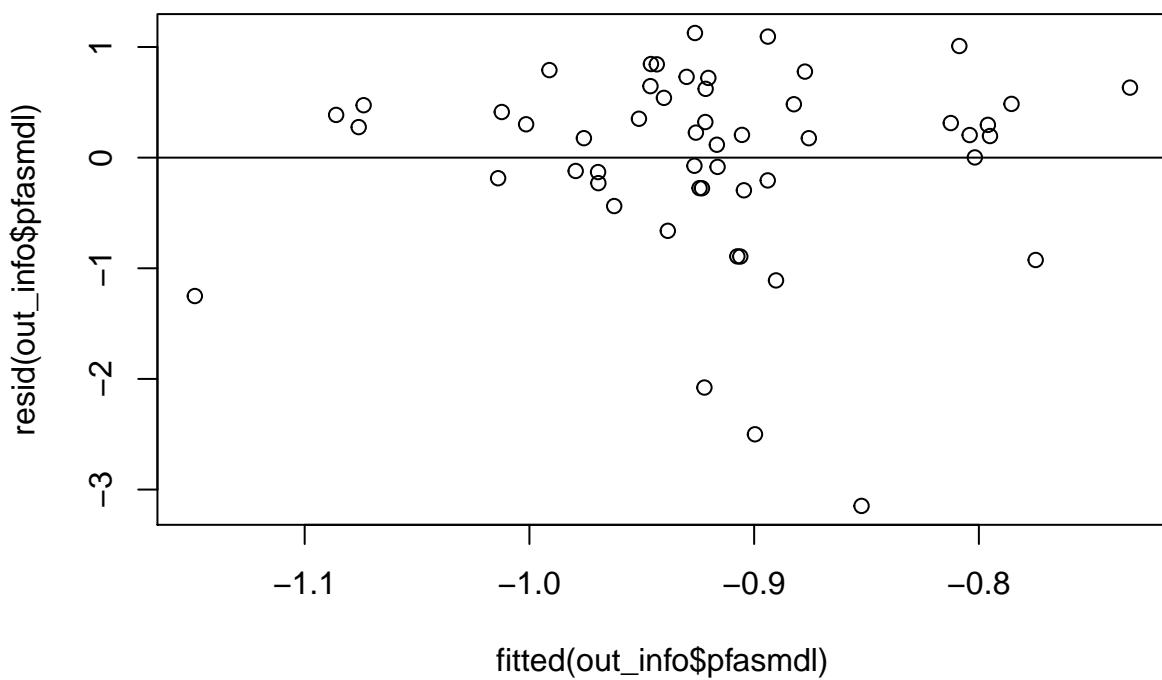
**Normal Q-Q Plot**



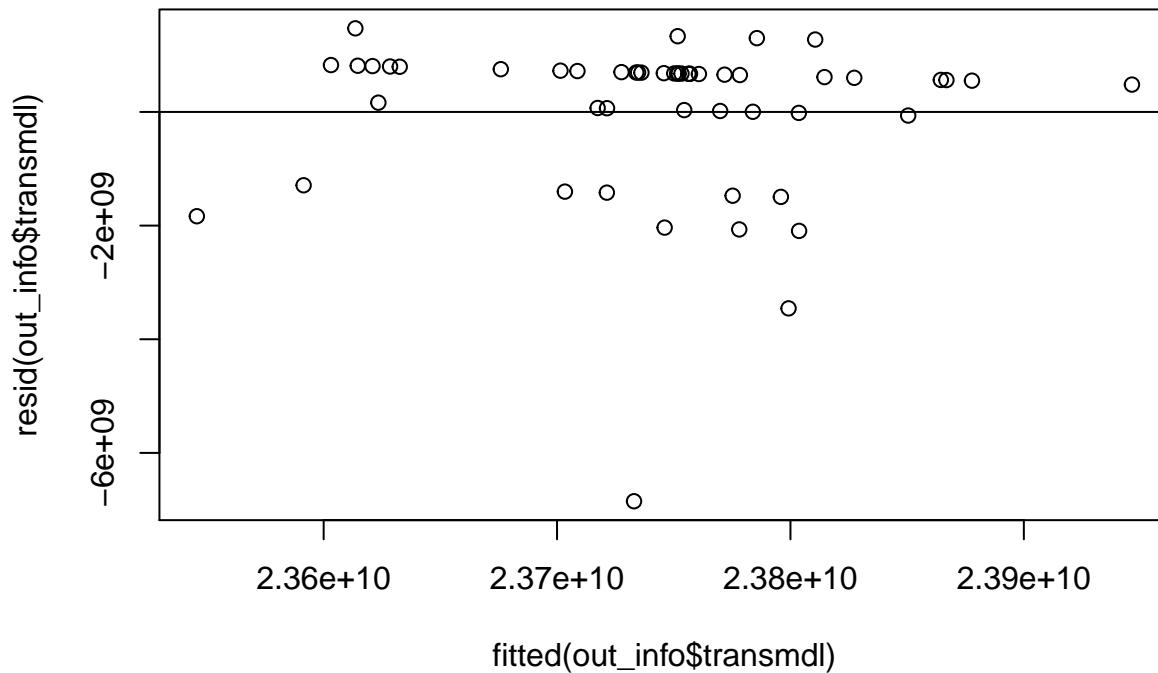
### Normal Q-Q Plot



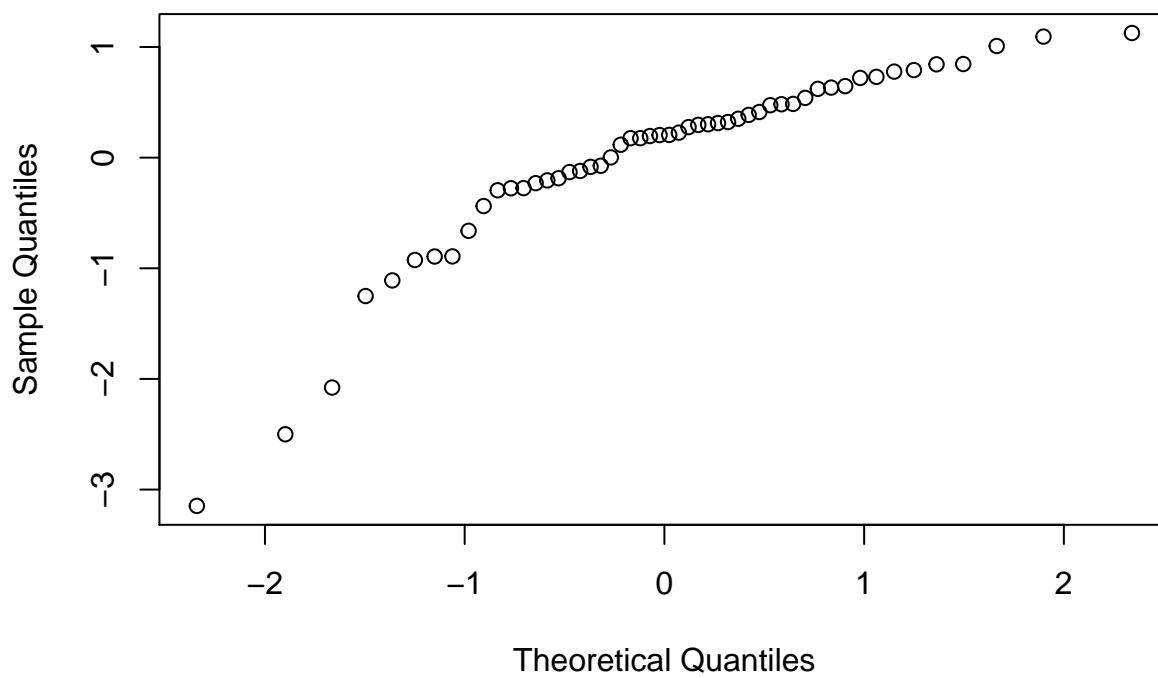
**Plot of fnPFO\$orig +  
Plot of fnPFO\$origstr.duration.hrs  
Plot of fnPFO\$origEthnicity**



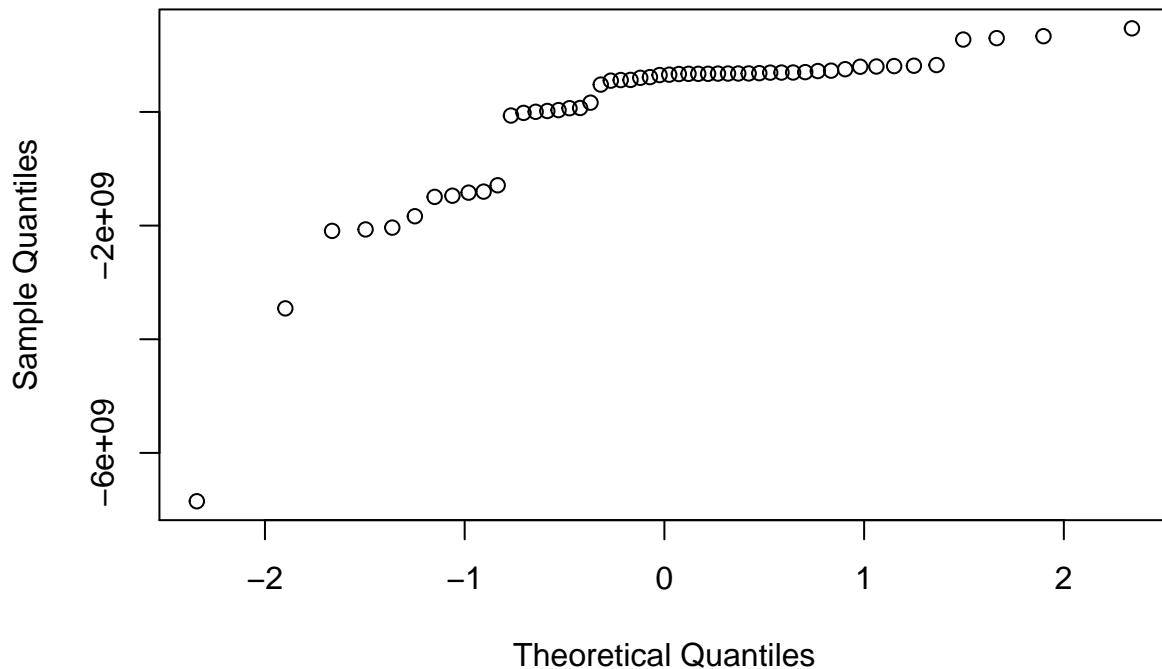
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.duration.hrs  
Plot of PFOSAtransEthnicity**



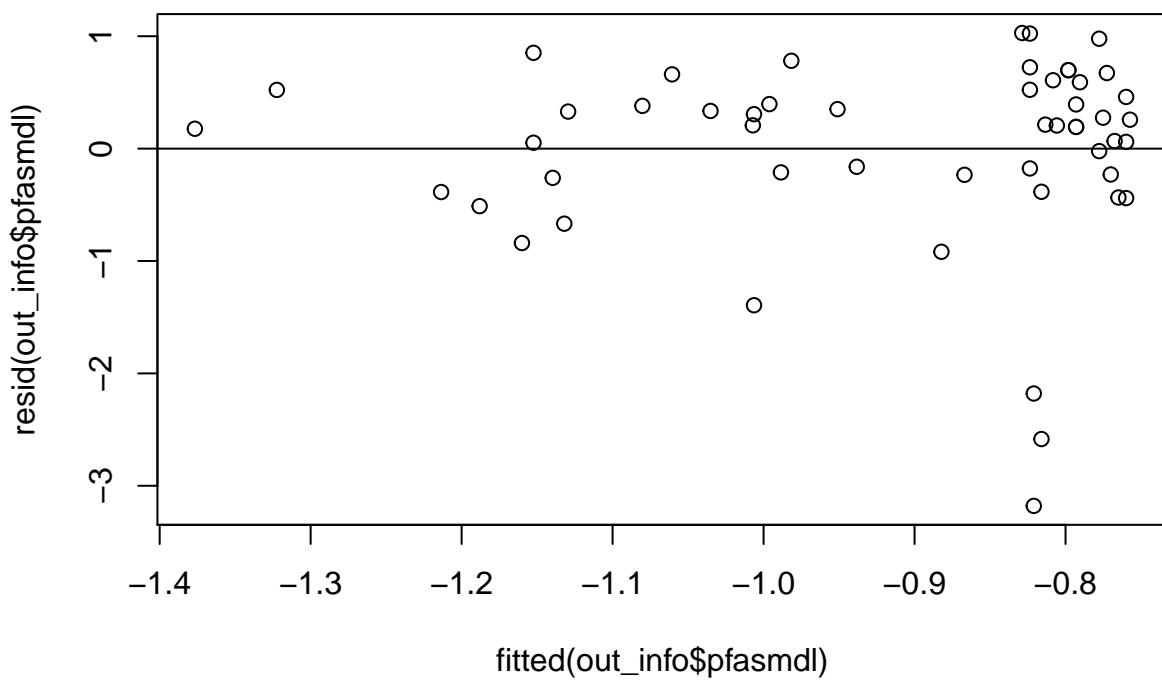
**Normal Q-Q Plot**



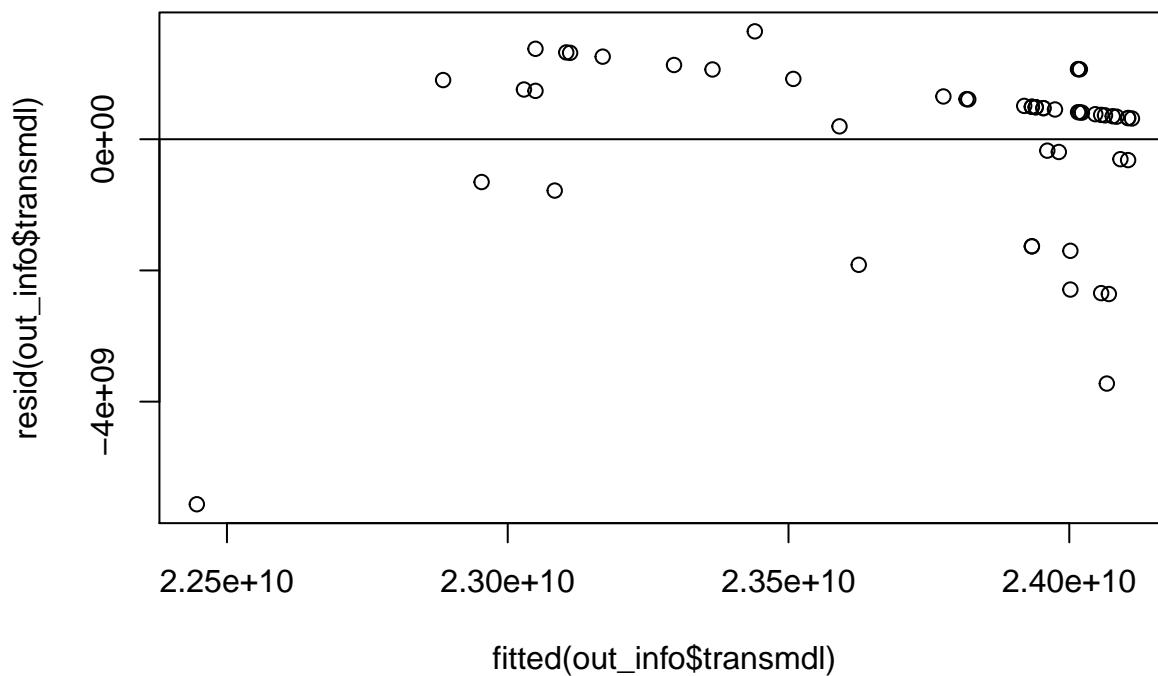
### Normal Q-Q Plot



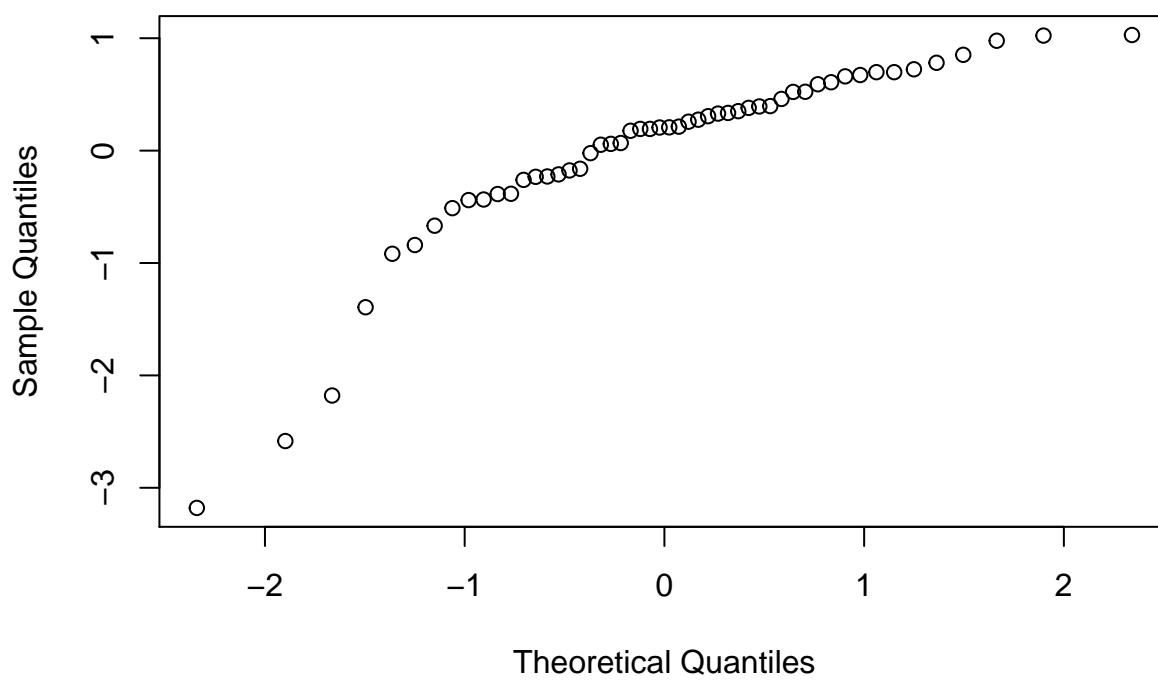
**Plot of fnPFO\$orig +  
Plot of fnPFO\$origdays.since.MRF  
Plot of fnPFO\$origEthnicity**



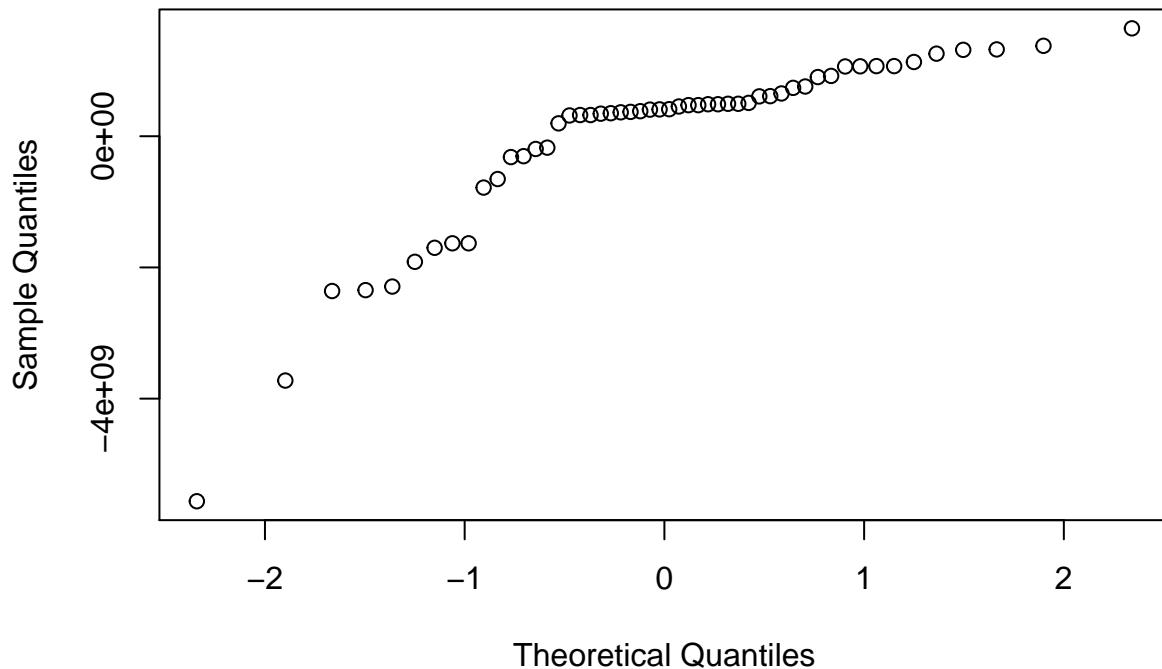
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



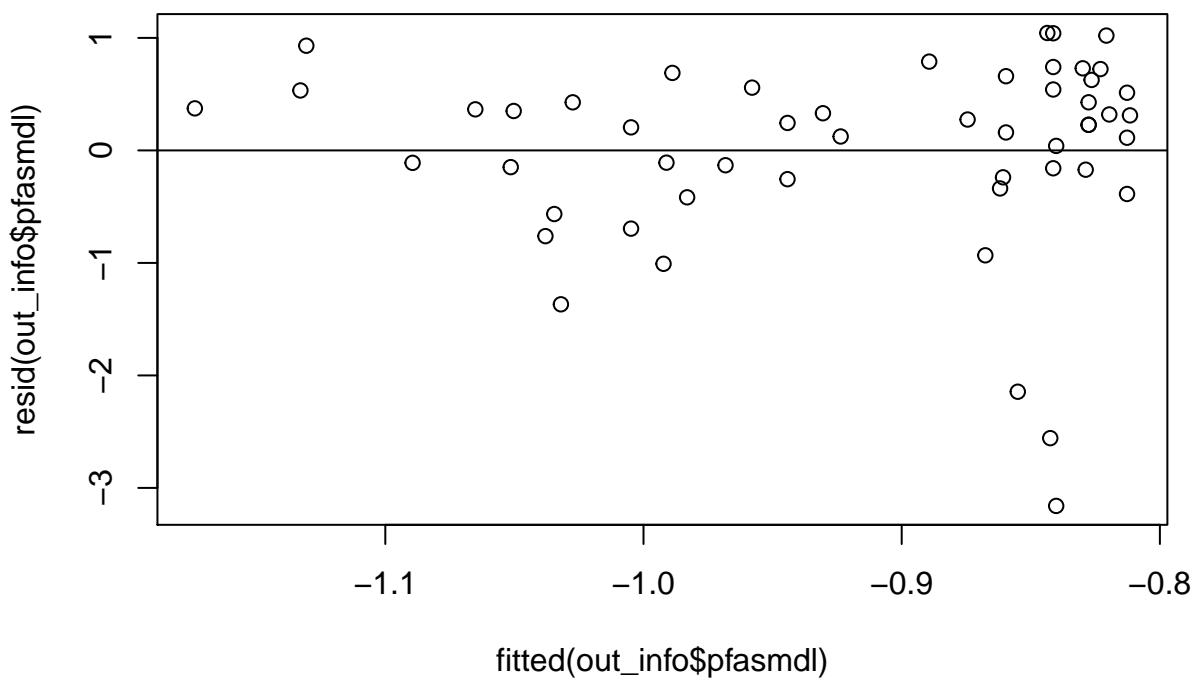
**Normal Q-Q Plot**



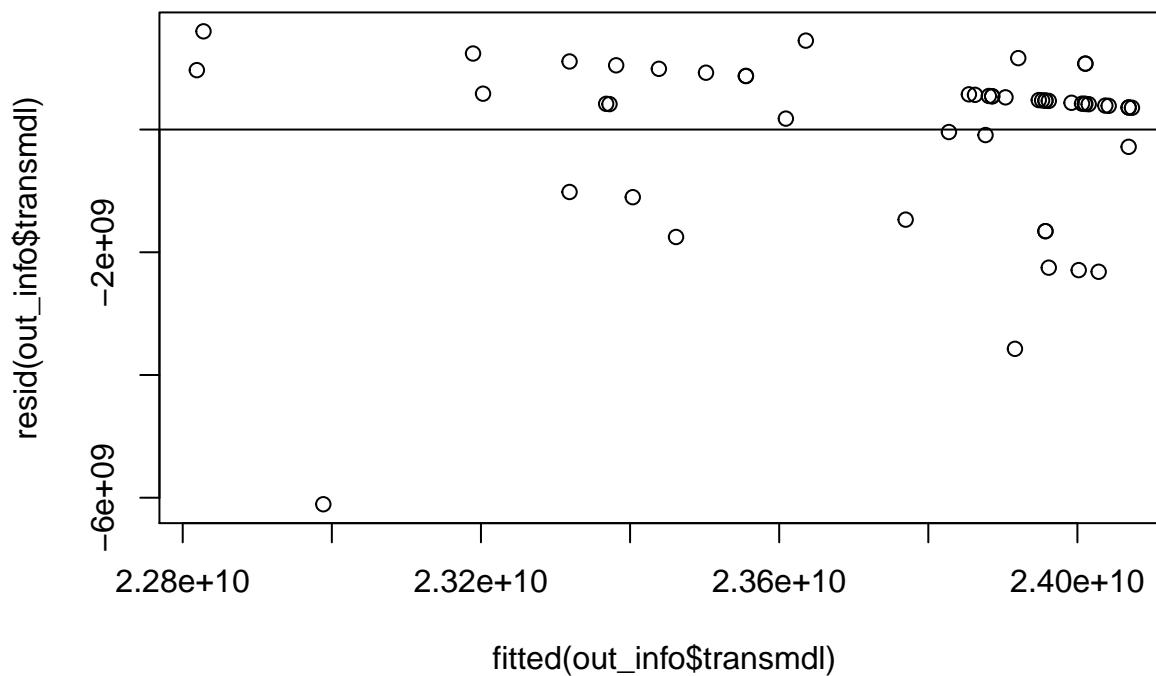
### Normal Q-Q Plot



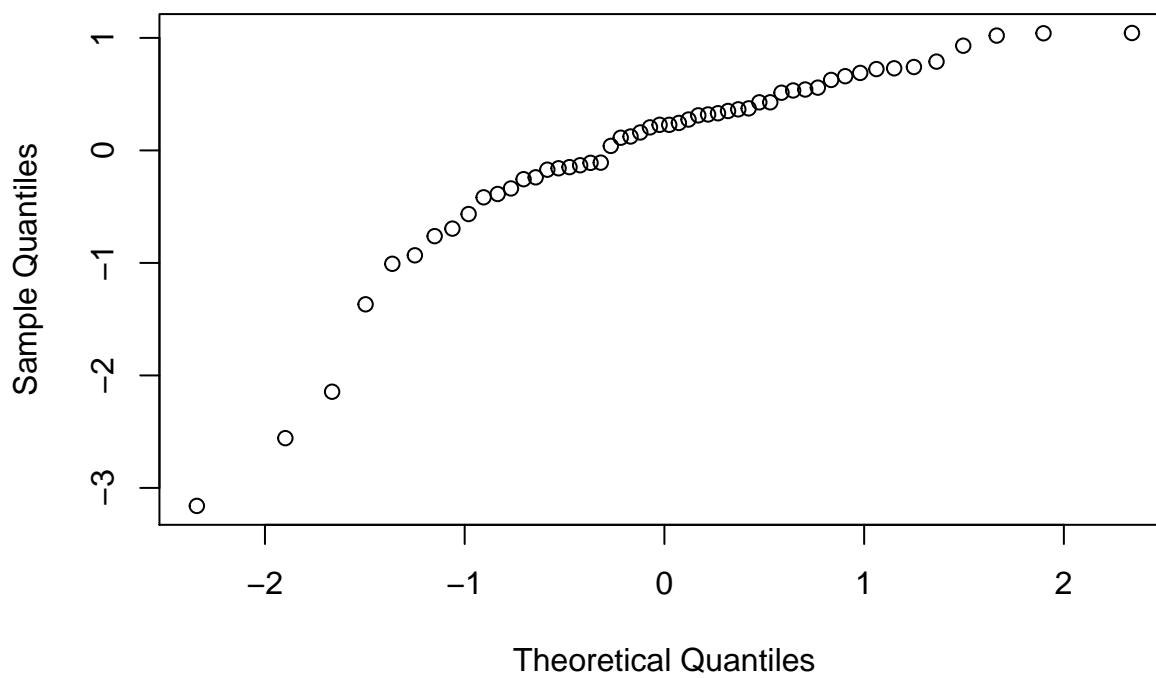
**Plot of fnPFO\$orig+**  
**Plot of fnPFO\$origdays.since.struc.MRF**  
**Plot of fnPFO\$origEthnicity**



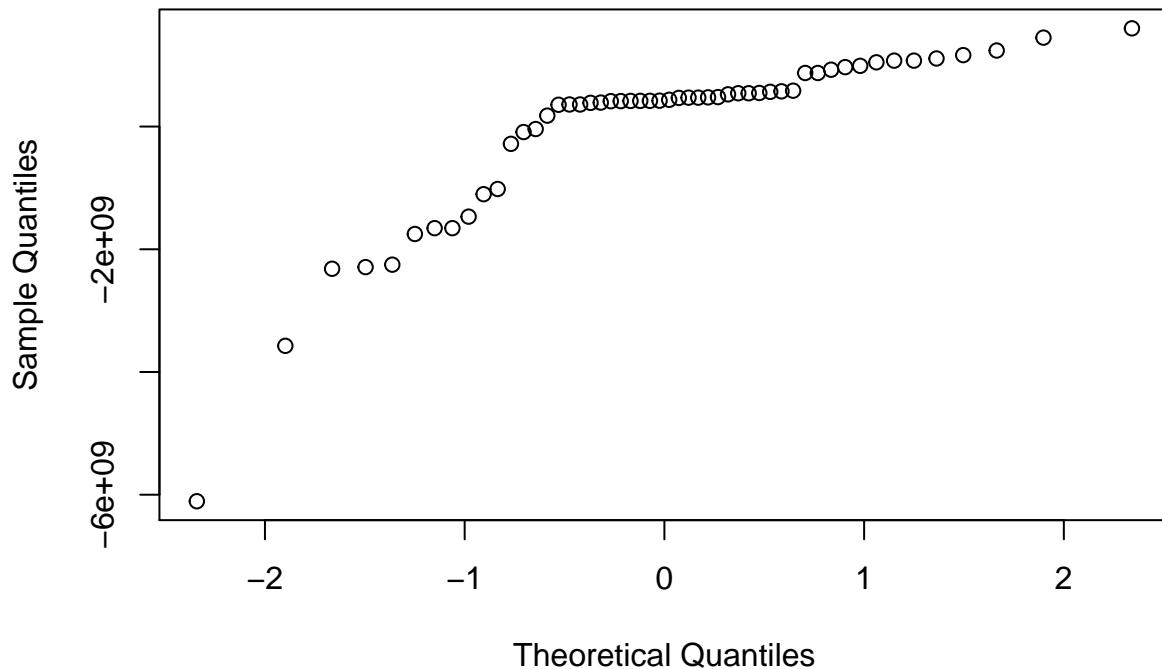
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
Plot of PFOSAtransEthnicity**



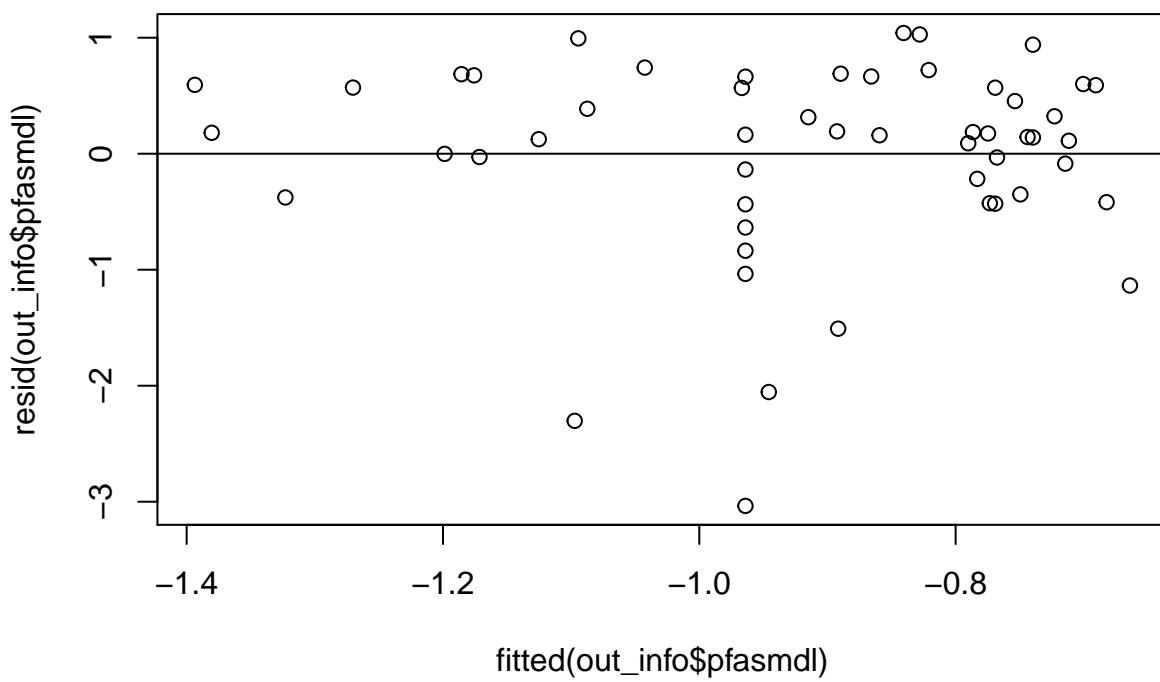
**Normal Q-Q Plot**



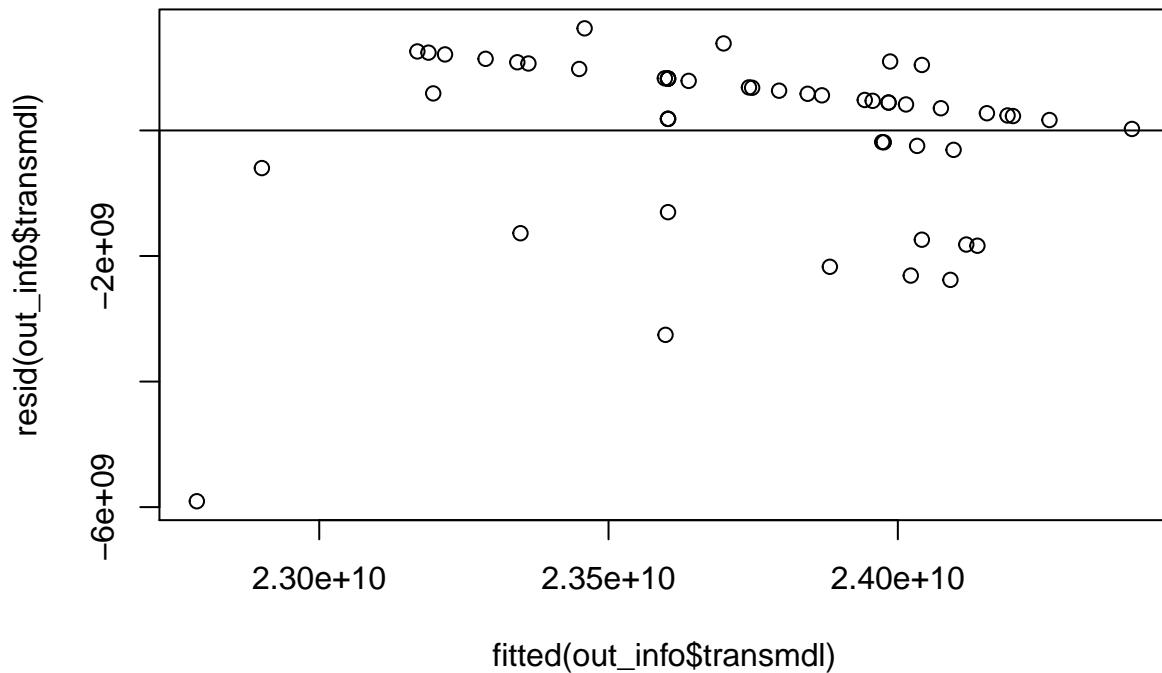
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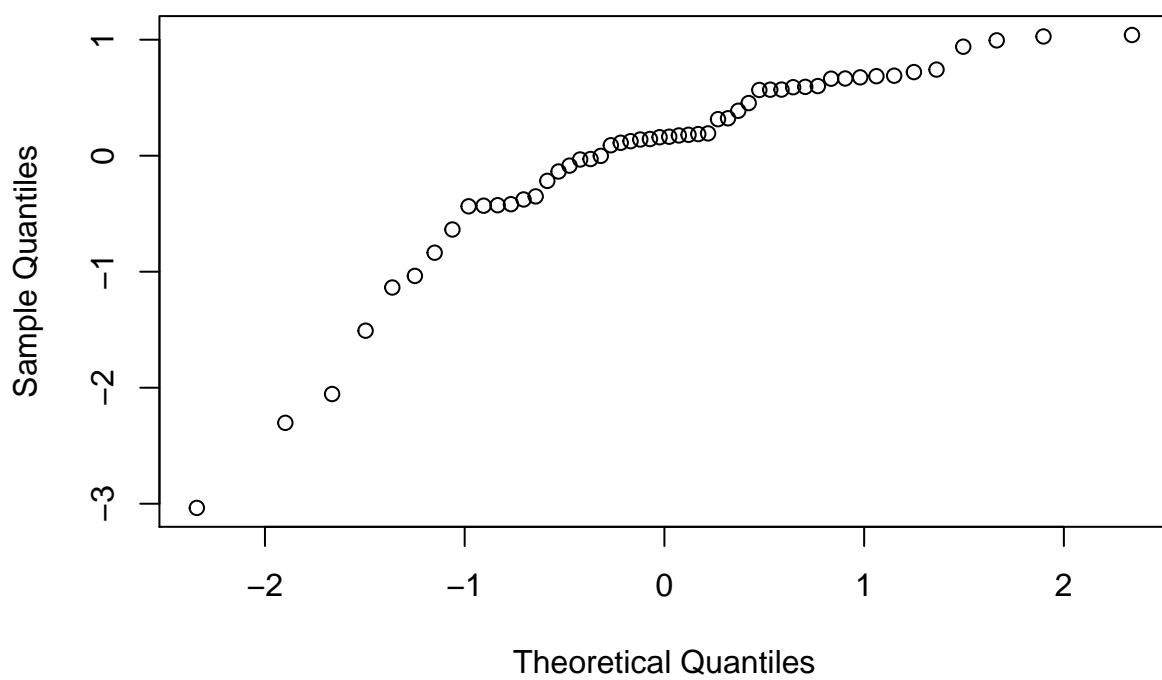
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



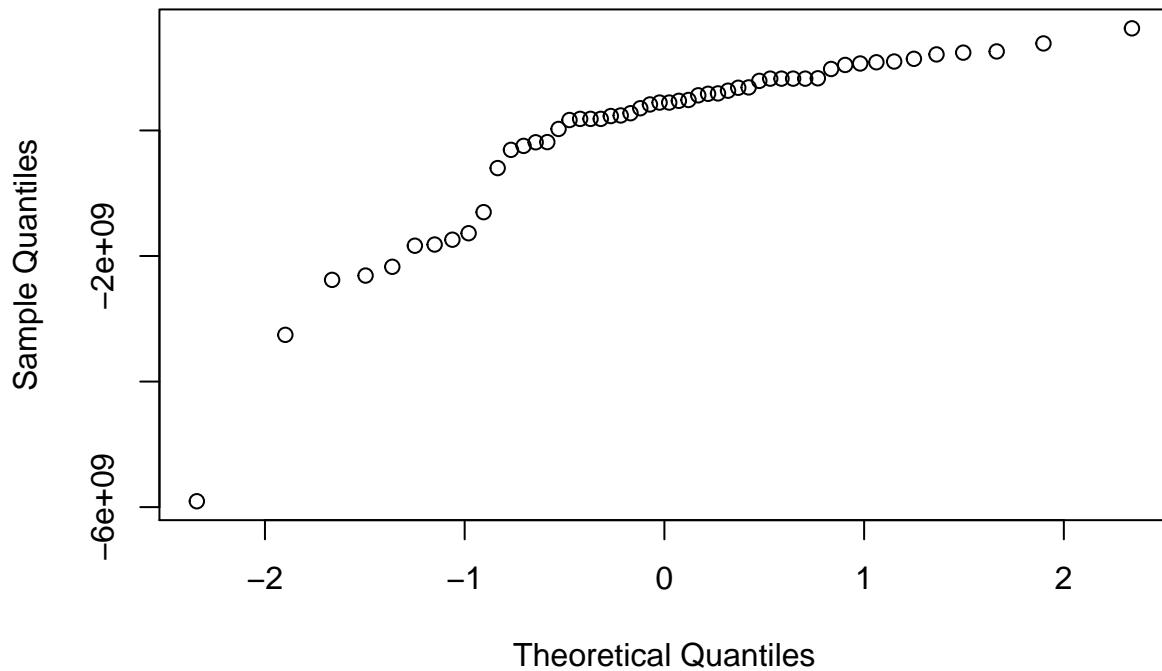
**Plot of PFOSAtrans+  
Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



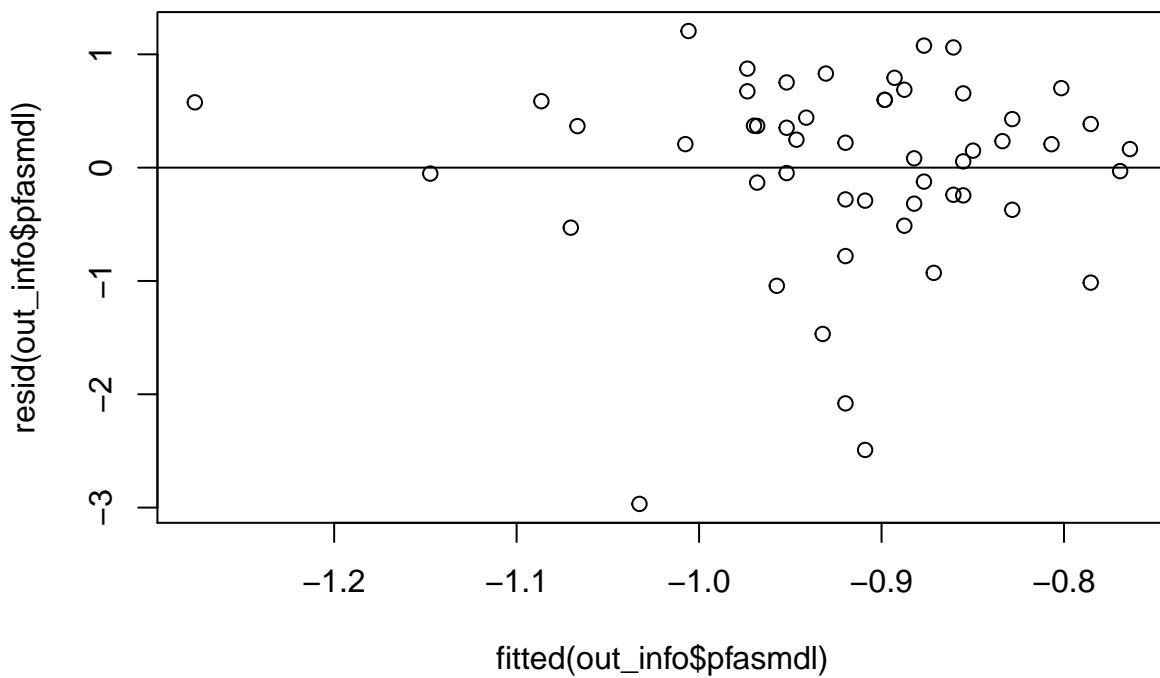
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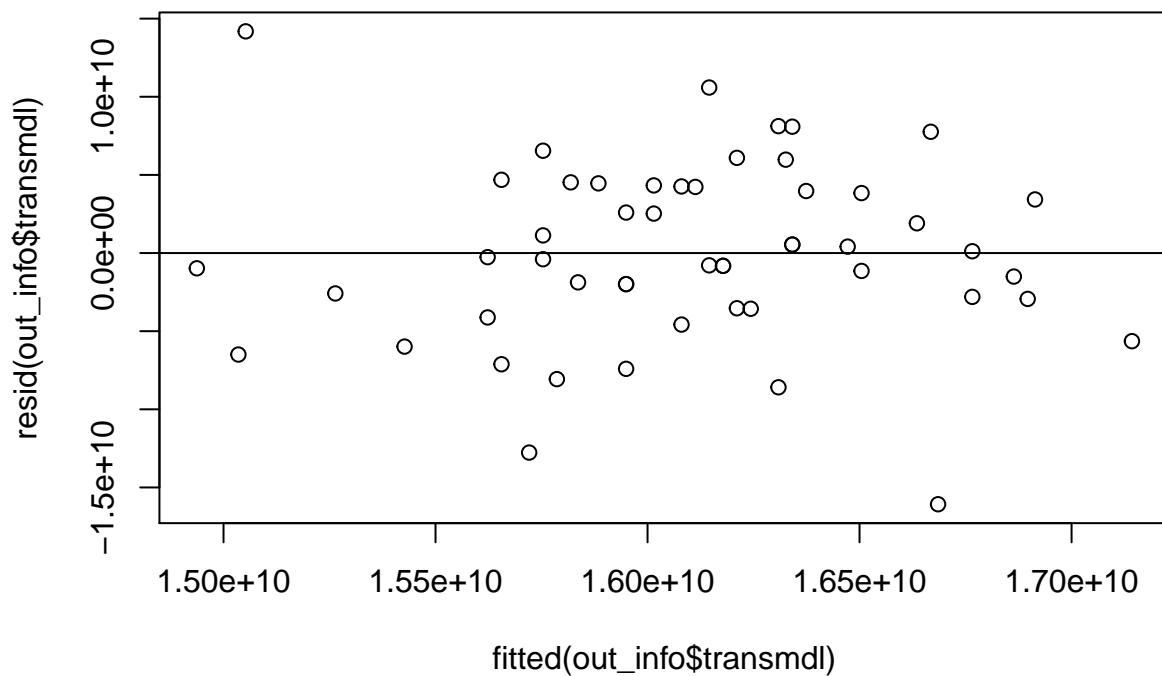
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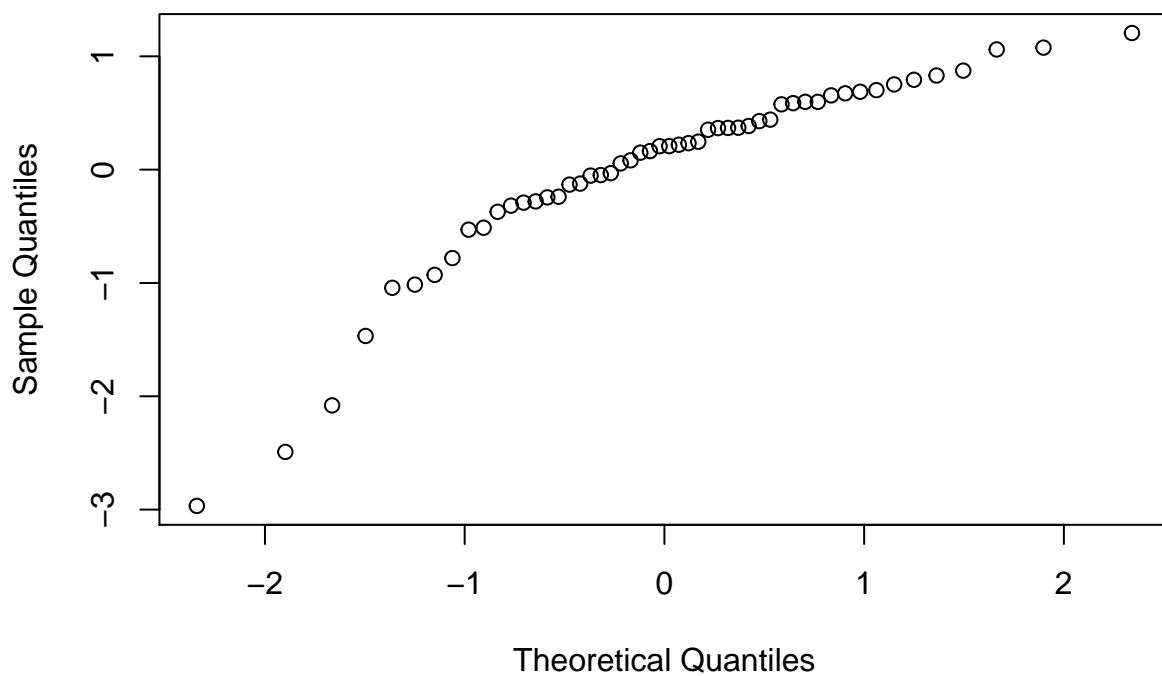
**Plot of nPFO\$orig +  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$orig\$Ethnicity**



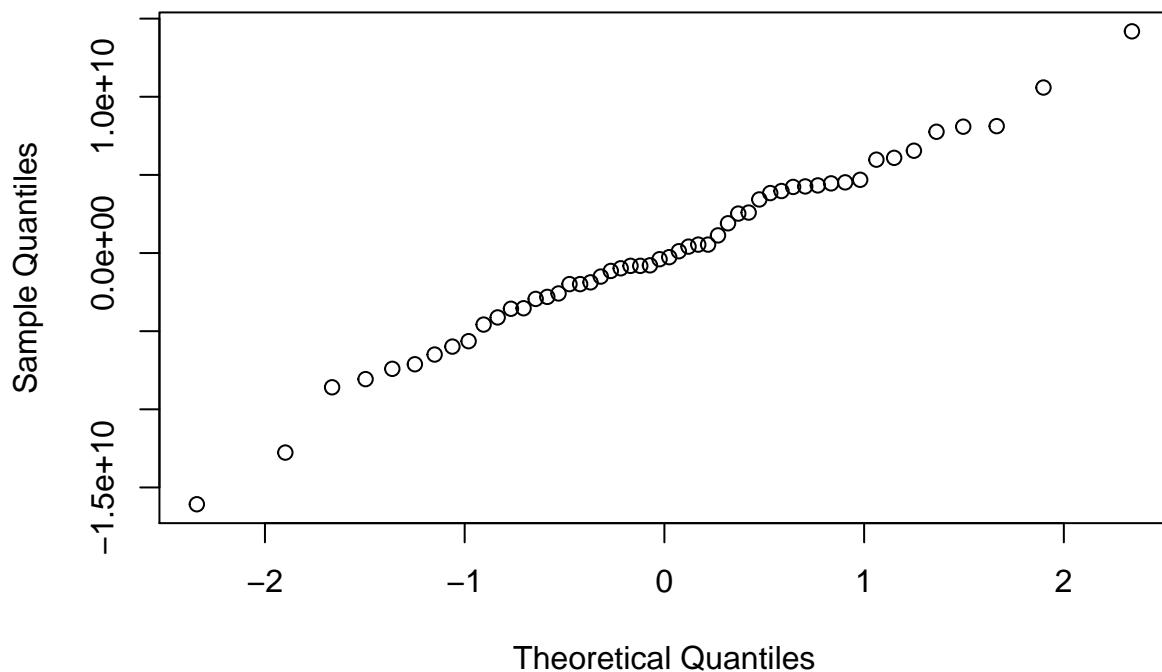
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



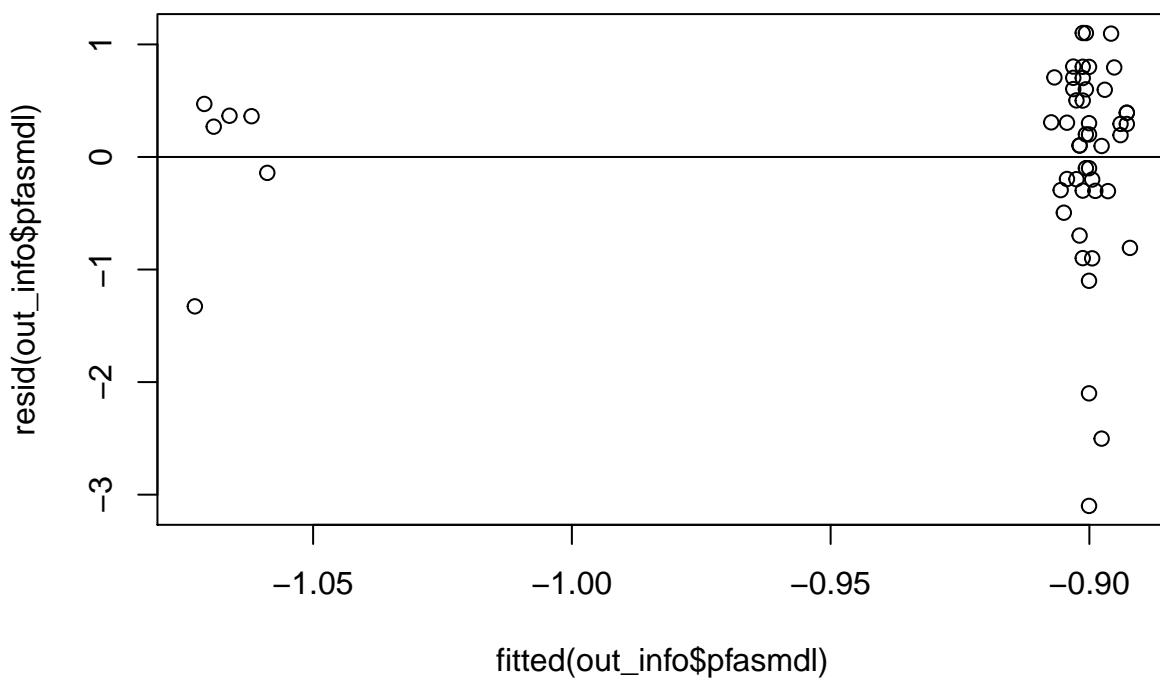
**Normal Q-Q Plot**



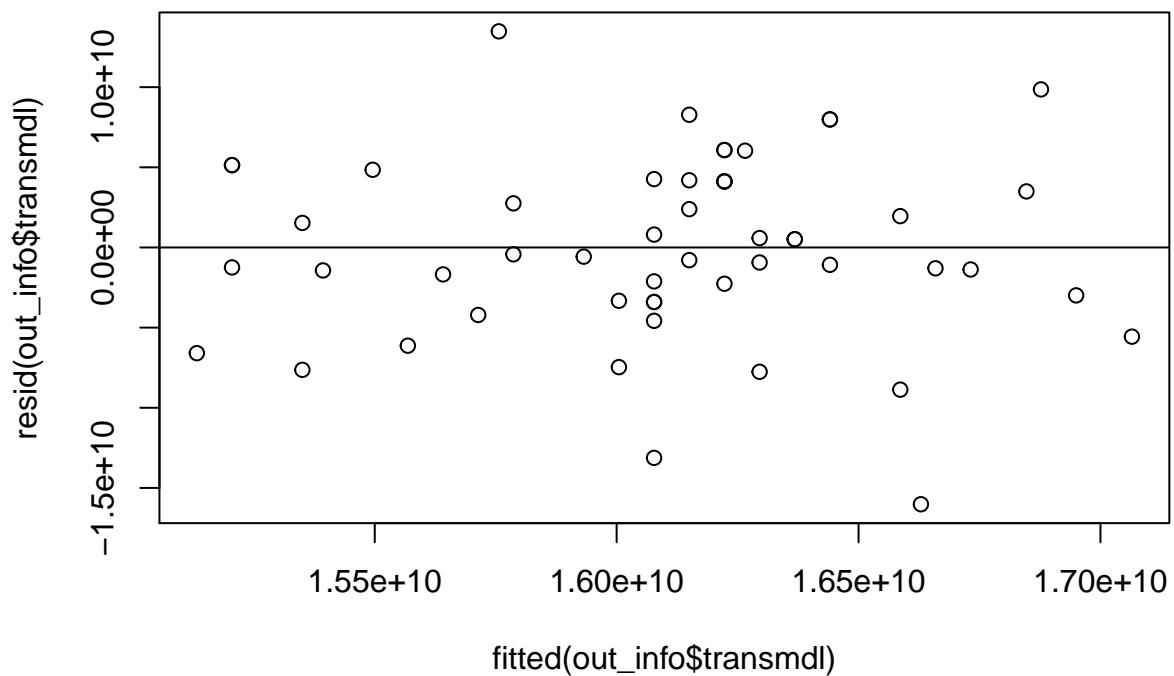
### Normal Q-Q Plot



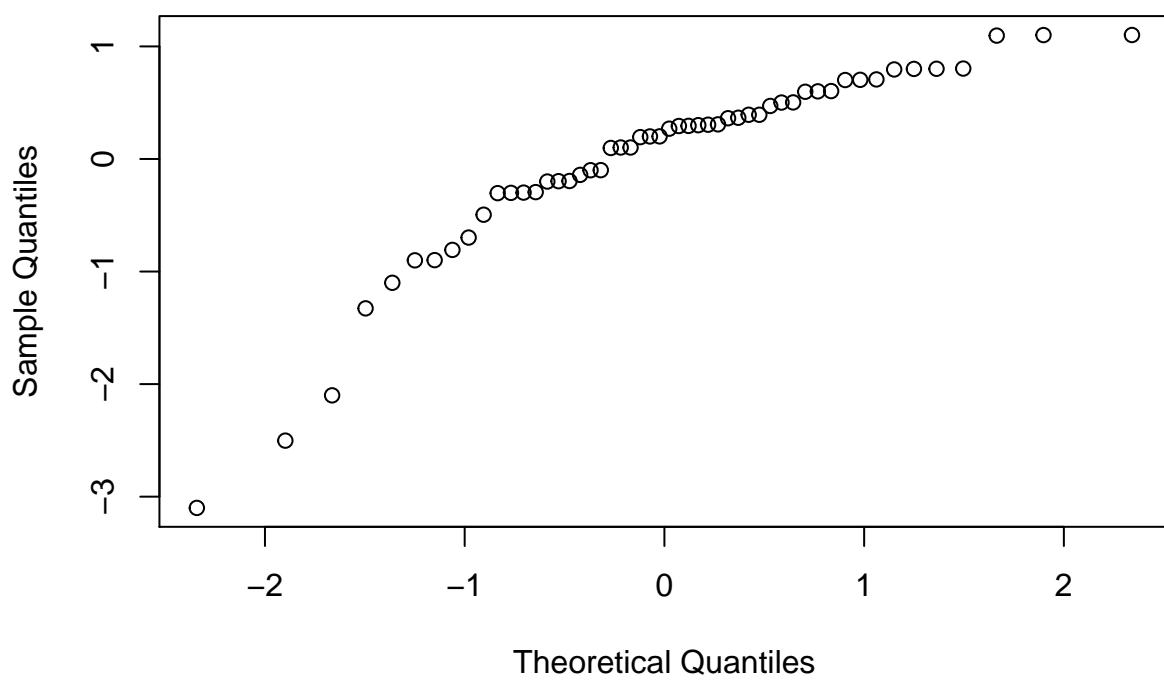
**Plot of fnPFO\$orig+  
Plot of fnPFO\$origstr.num.fireruns  
Plot of fnPFO\$origEthnicity**



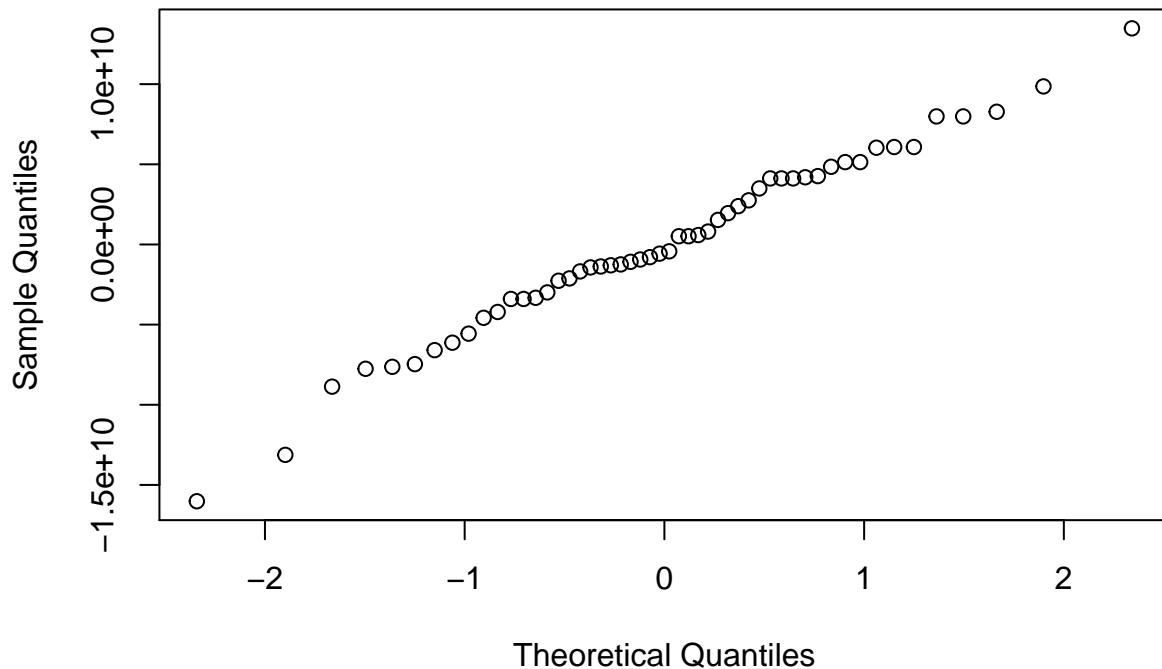
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Plot of fnPFOAtransstr.num.fireruns  
Plot of fnPFOAtransEthnicity**



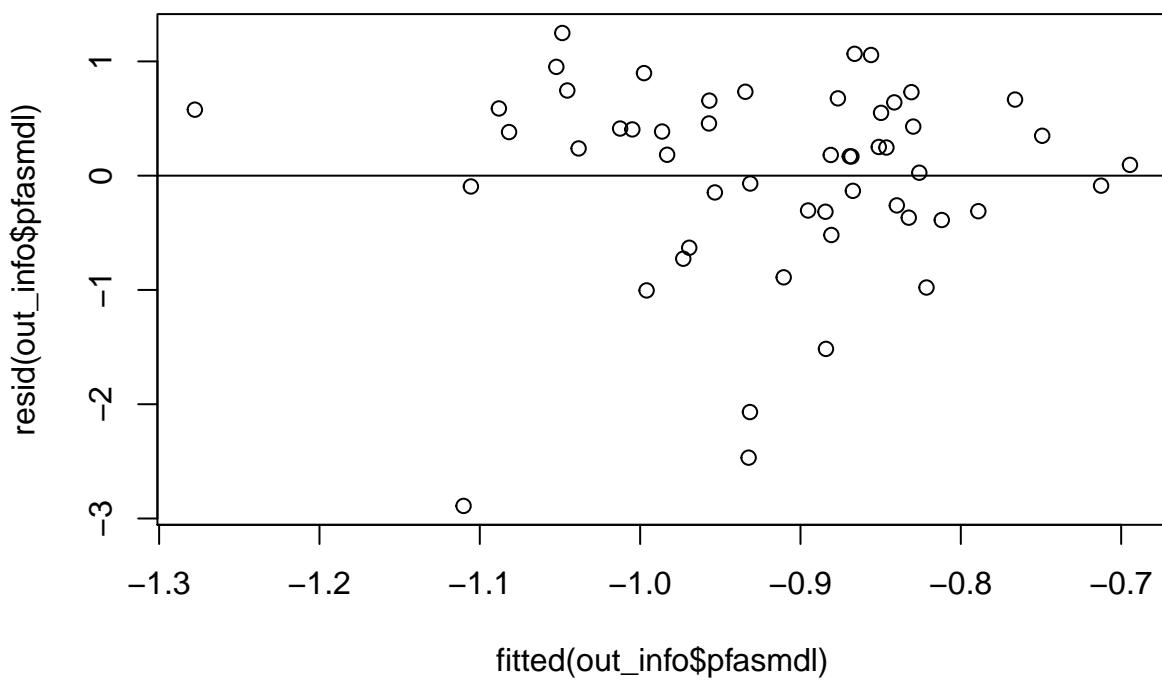
**Normal Q-Q Plot**



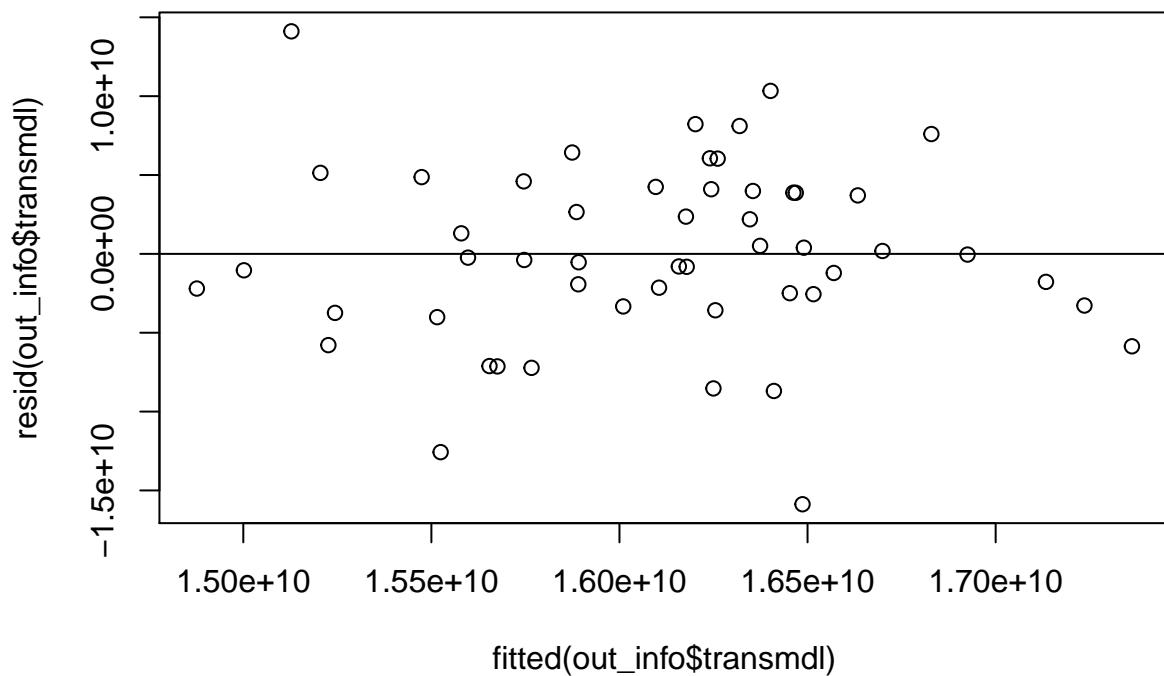
### Normal Q-Q Plot



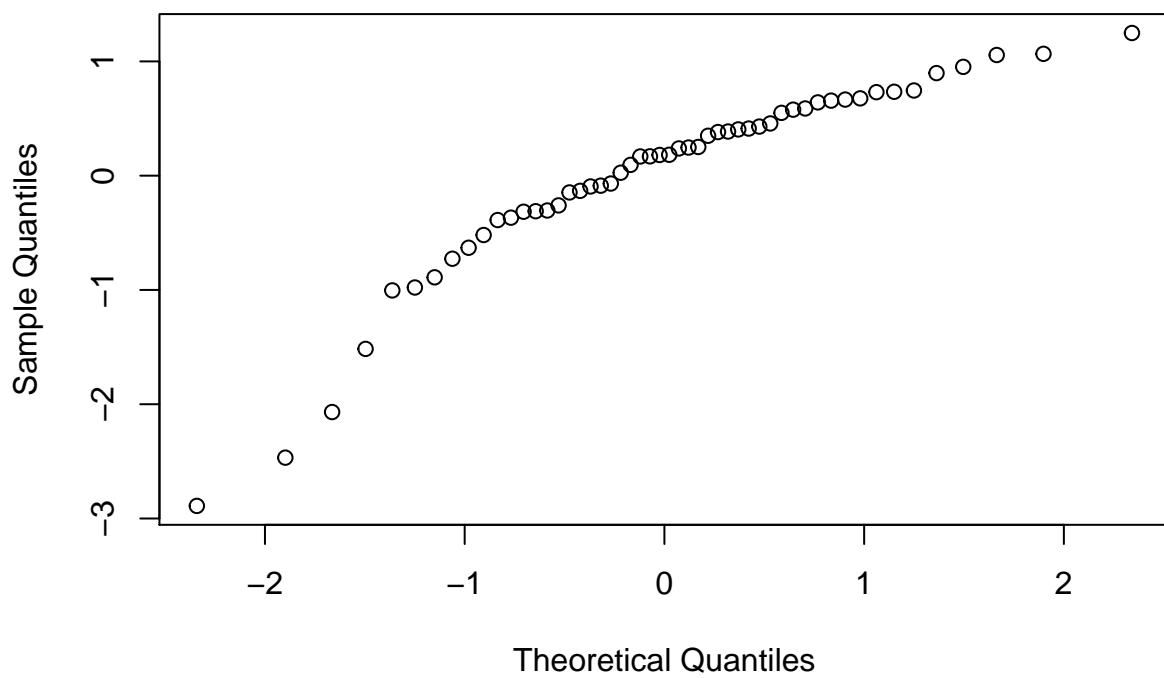
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**



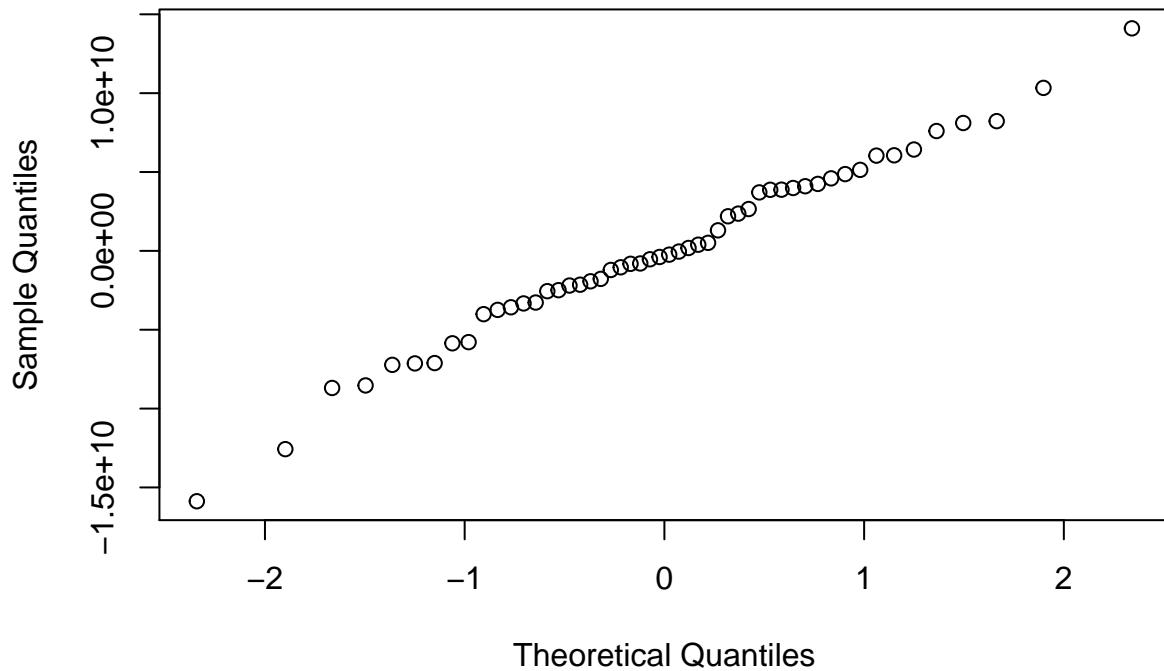
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.duration.hrs  
Plot of fnPFOAtransEthnicity**



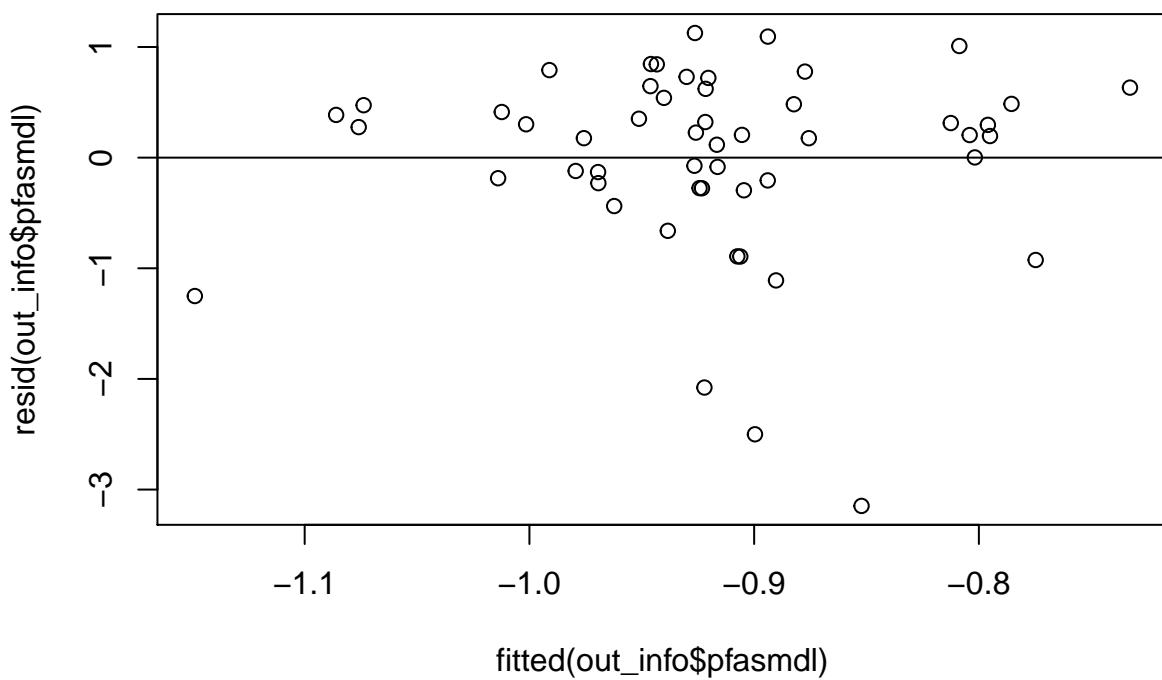
**Normal Q-Q Plot**



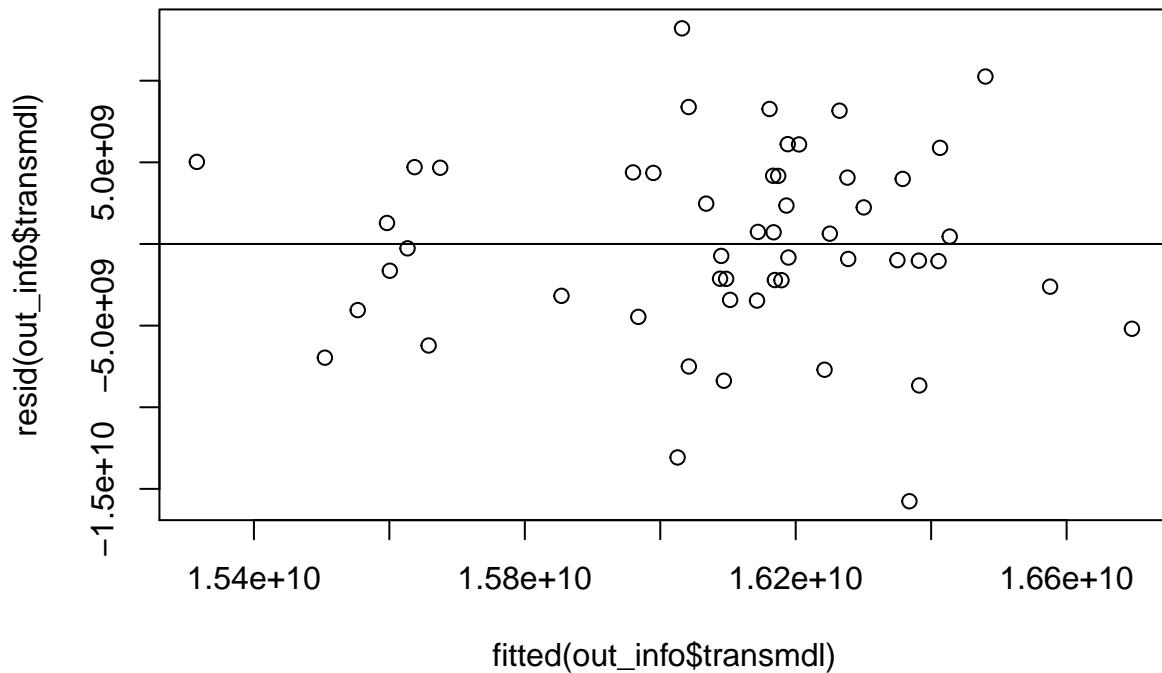
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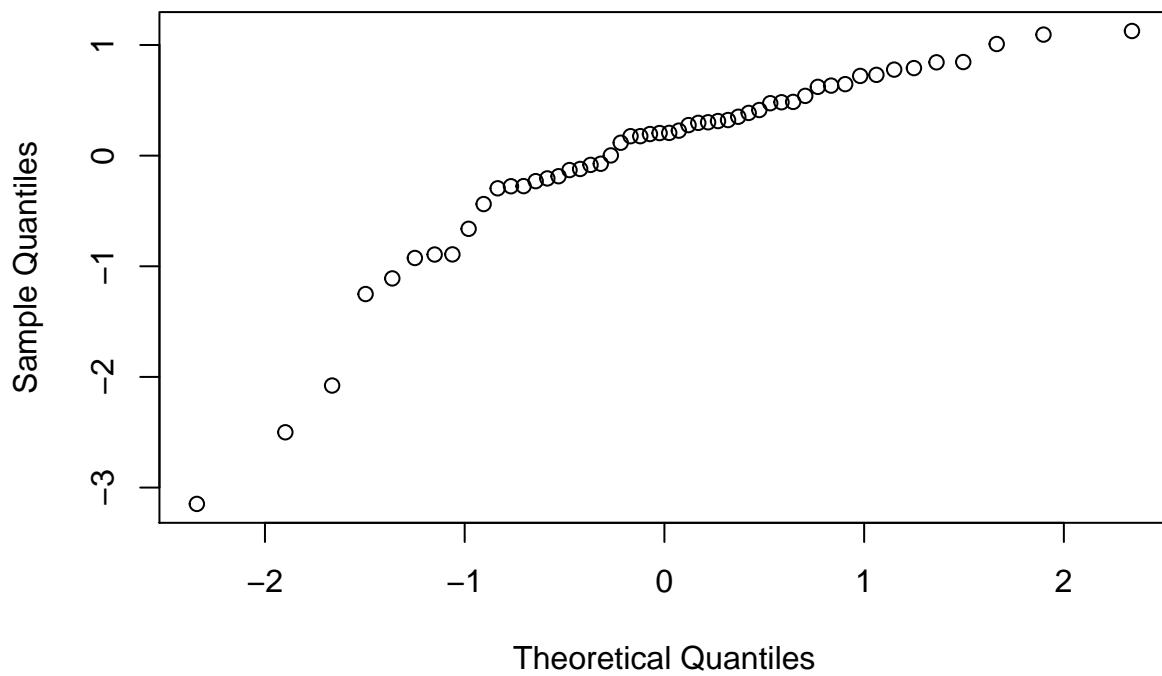
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.duration.hrs  
Plot of nPFO\$origEthnicity**



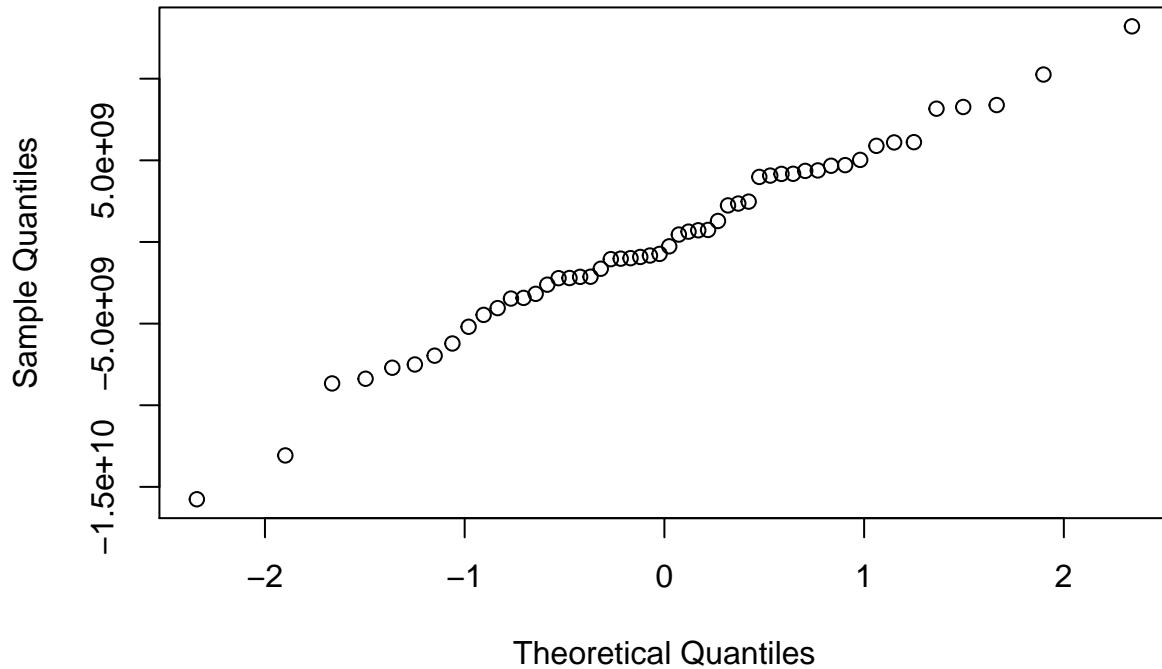
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Plot of fnPFOAtransstr.duration.hrs  
Plot of fnPFOAtransEthnicity**



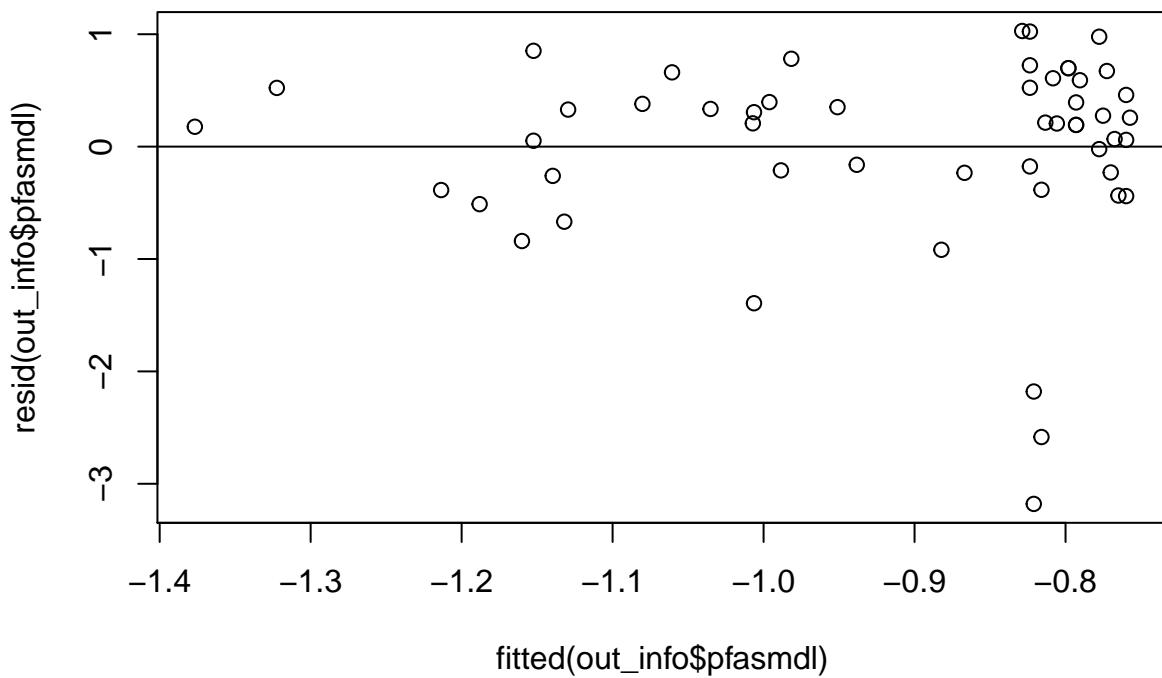
**Normal Q-Q Plot**



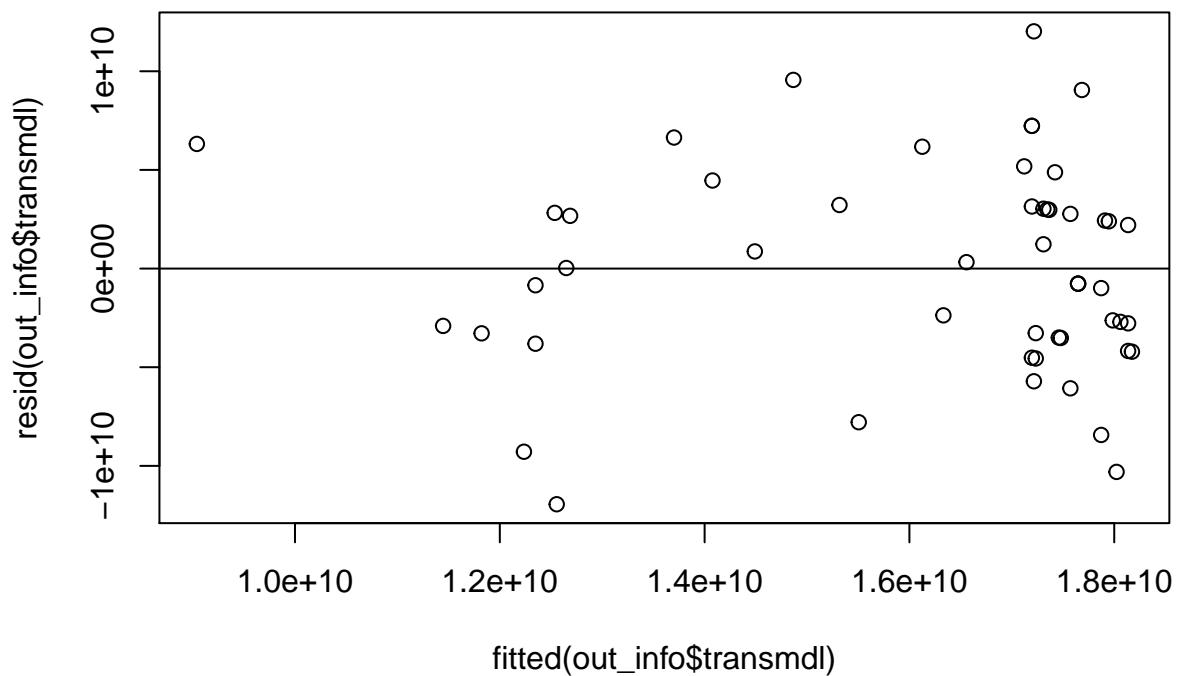
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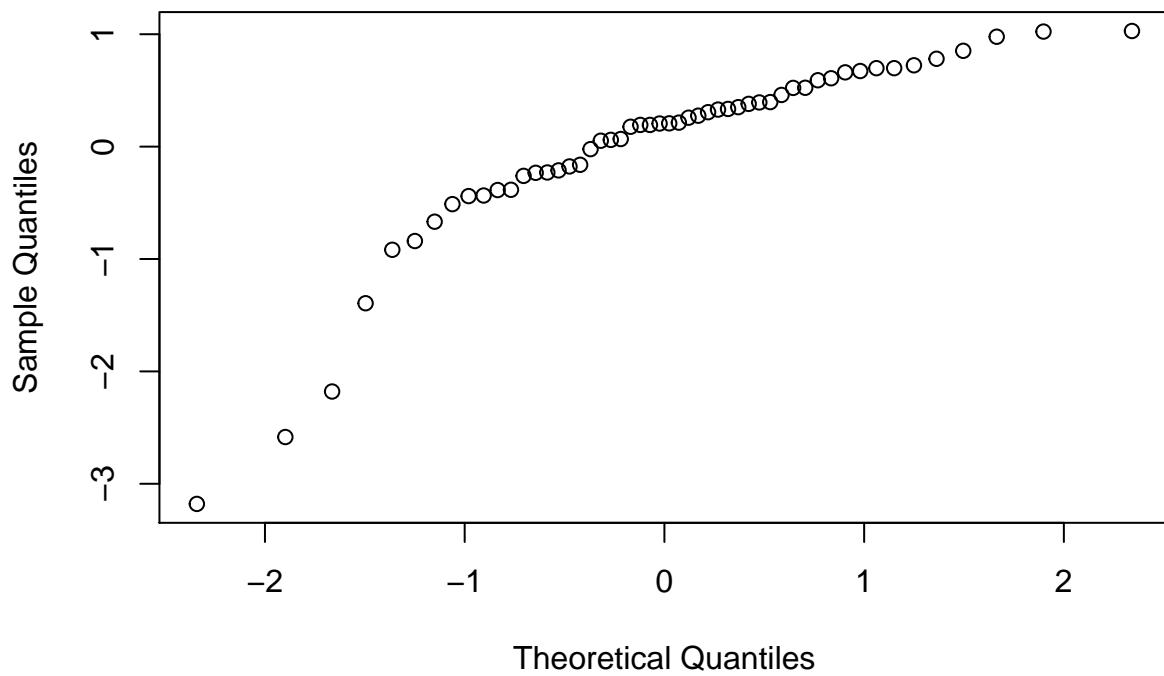
**Plot of nPFO\$orig +  
Plot of nPFO\$origdays.since.MRF  
Plot of nPFO\$origEthnicity**



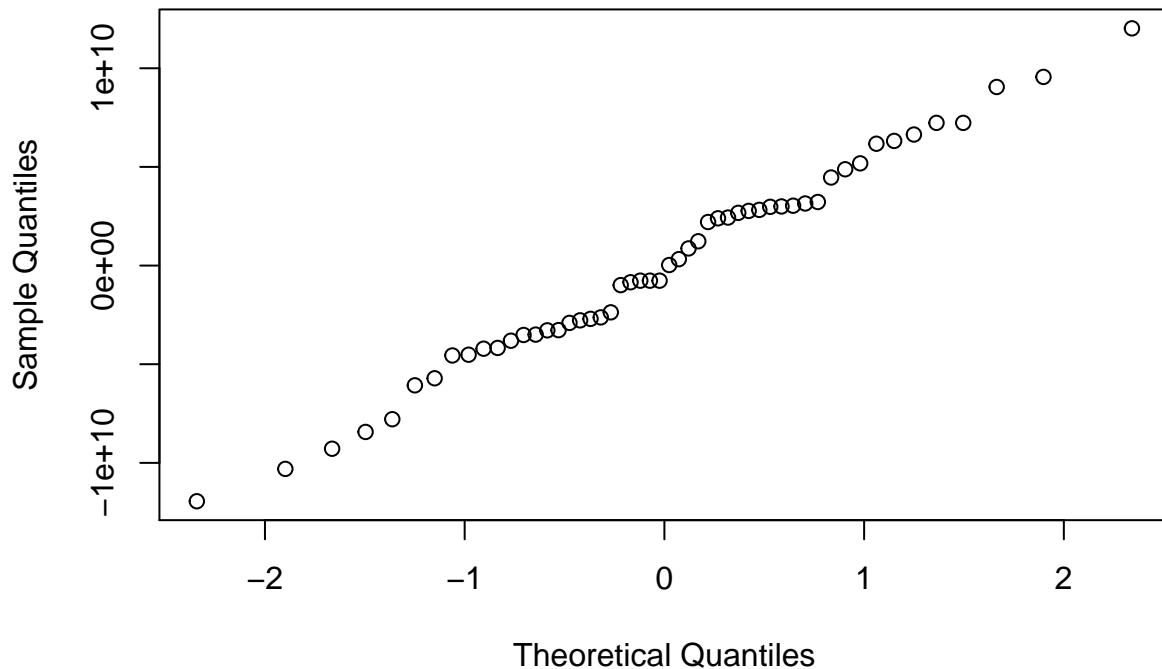
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.MRF  
Plot of fnPFOAtransEthnicity**



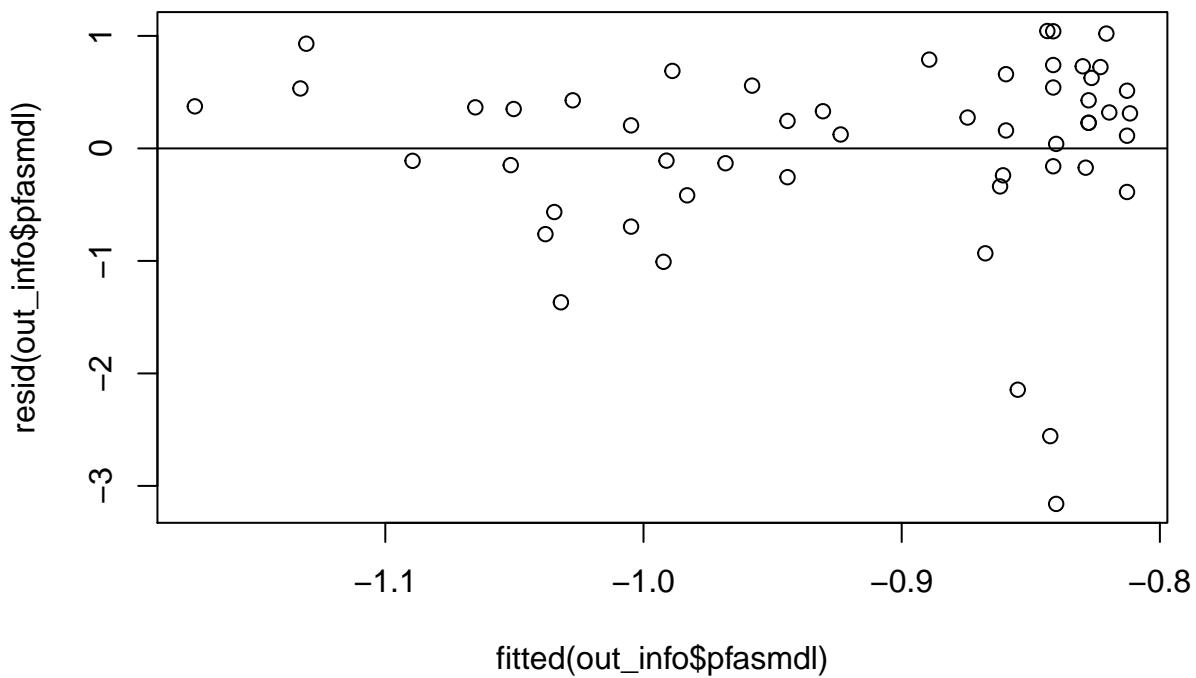
**Normal Q-Q Plot**



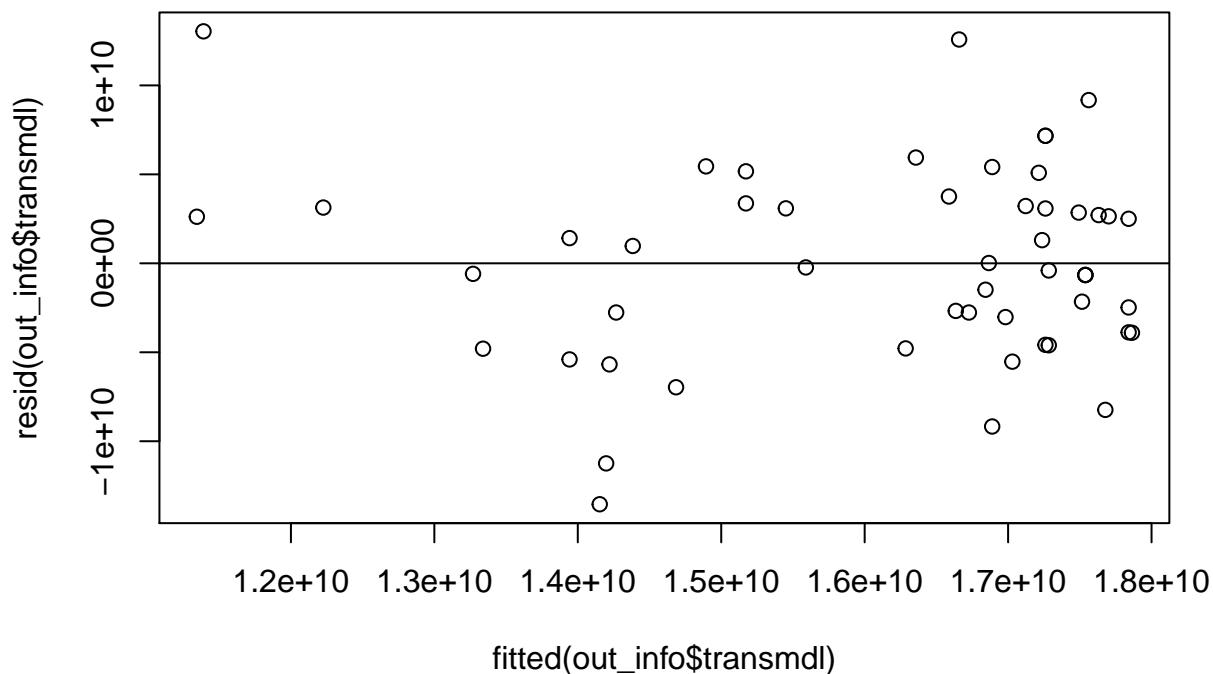
### Normal Q-Q Plot



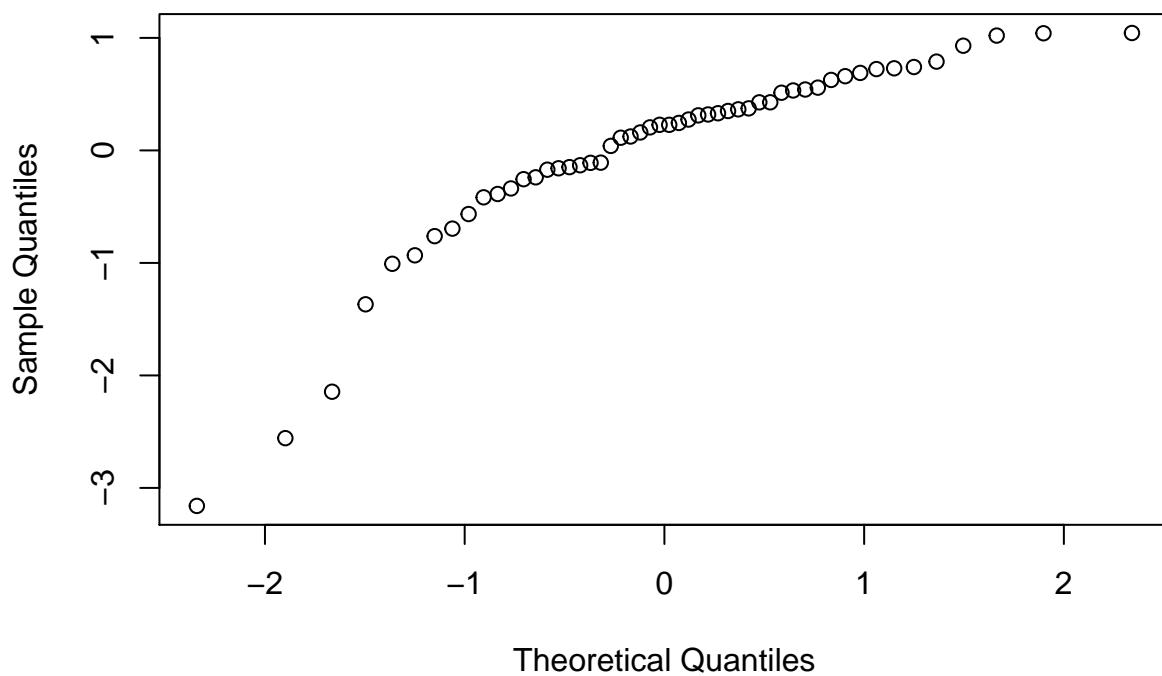
**Plot of nPFO\$orig+**  
**Plot of nPFO\$origdays.since.struc.MRF**  
**Plot of nPFO\$origEthnicity**



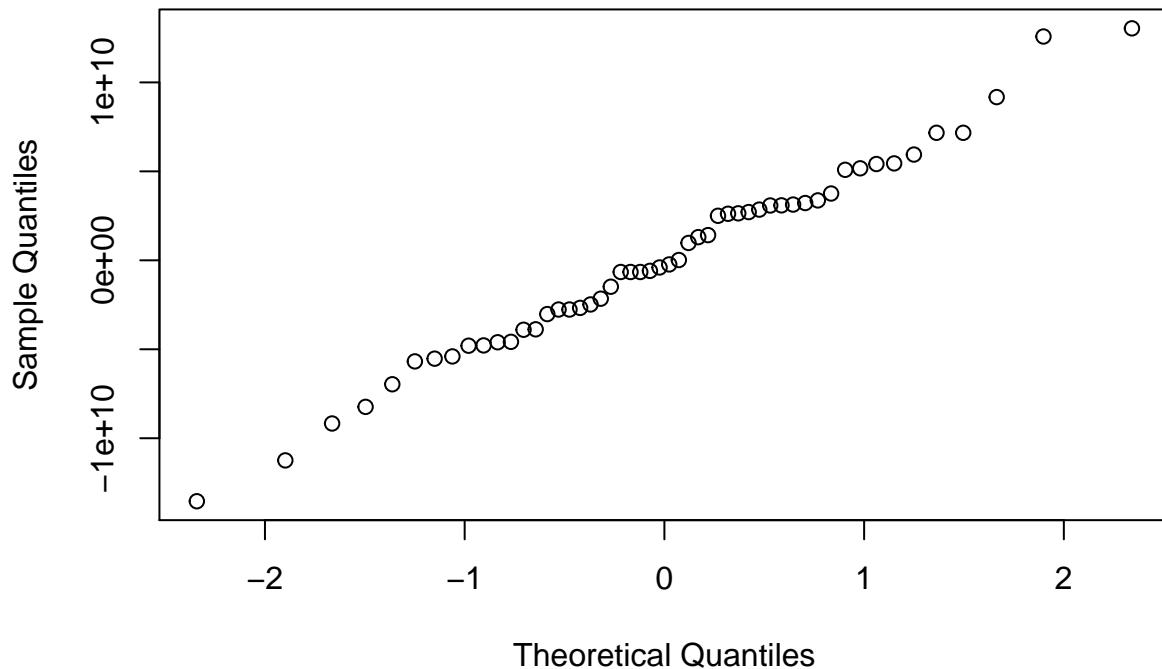
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Plot of fnPFOAtransdays.since.struc.MRF  
Plot of fnPFOAtransEthnicity**



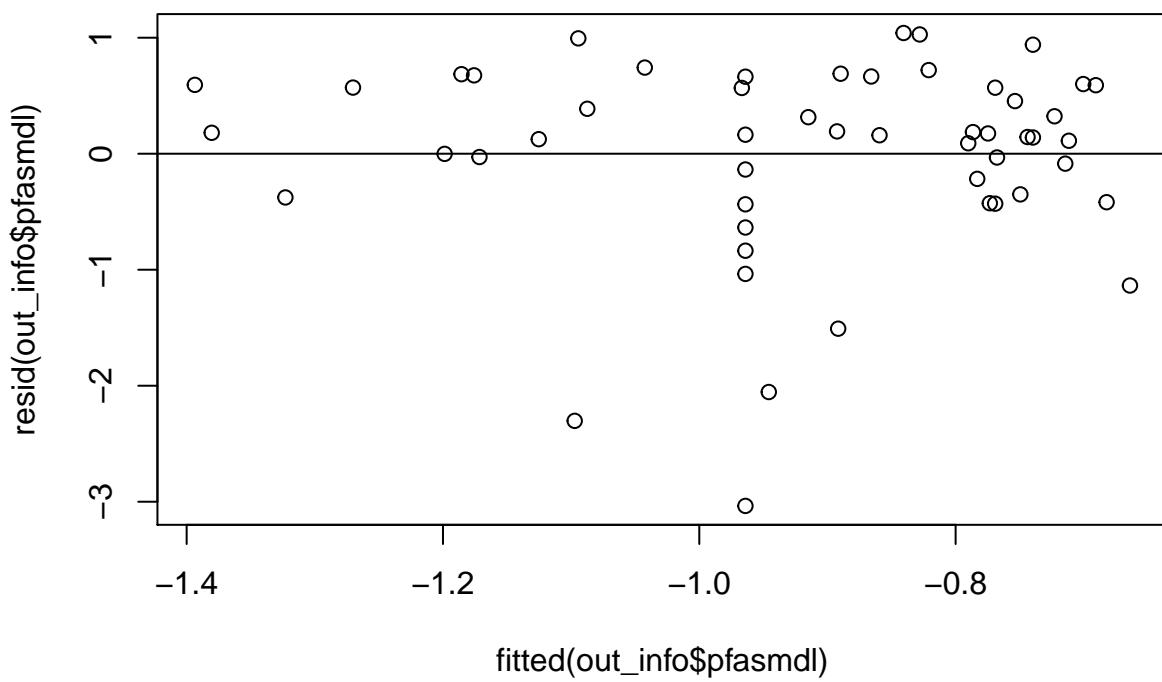
**Normal Q-Q Plot**



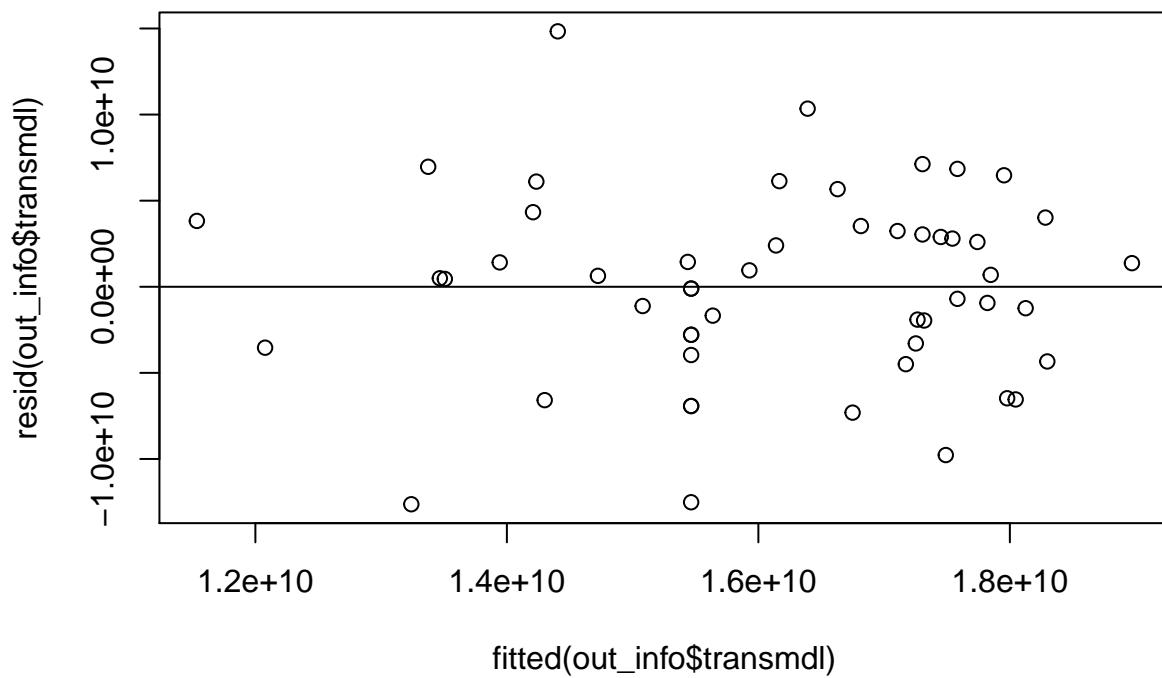
### Normal Q-Q Plot



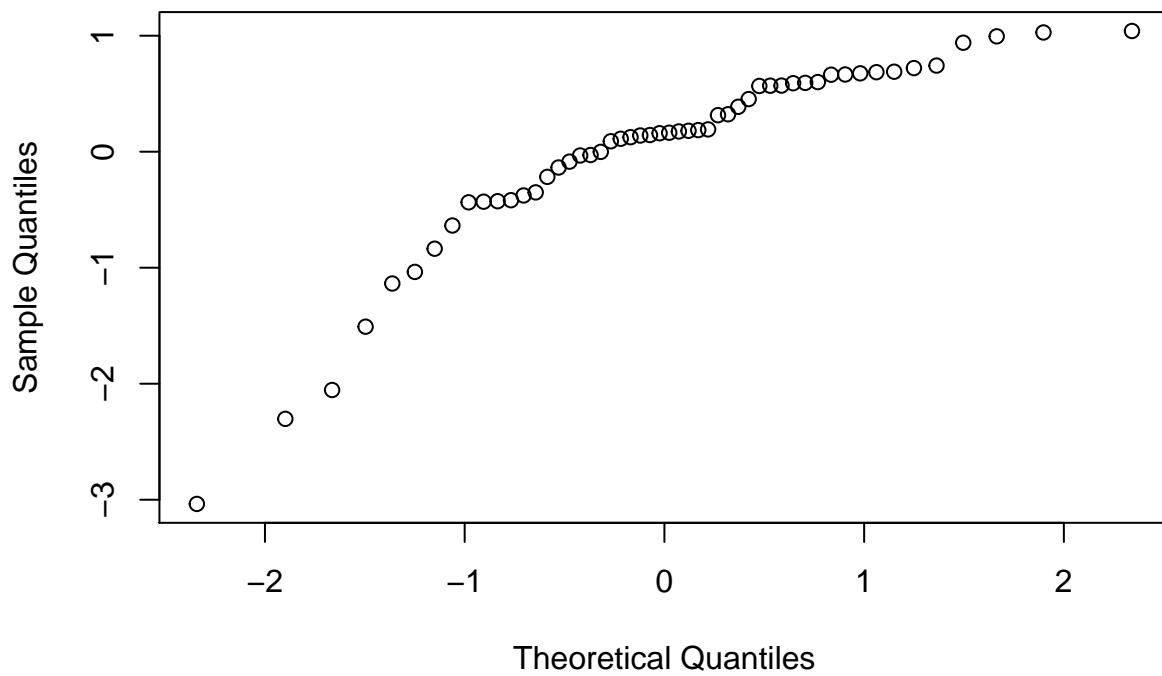
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



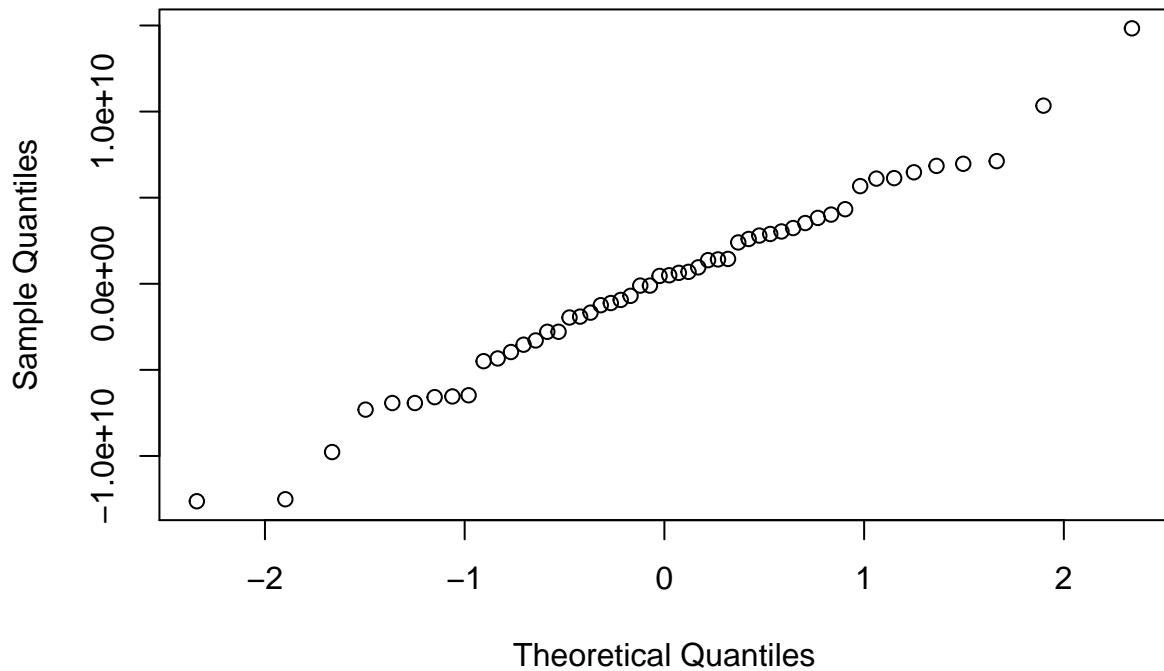
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstime.since.baseline  
Plot of fnPFOAtransEthnicity**



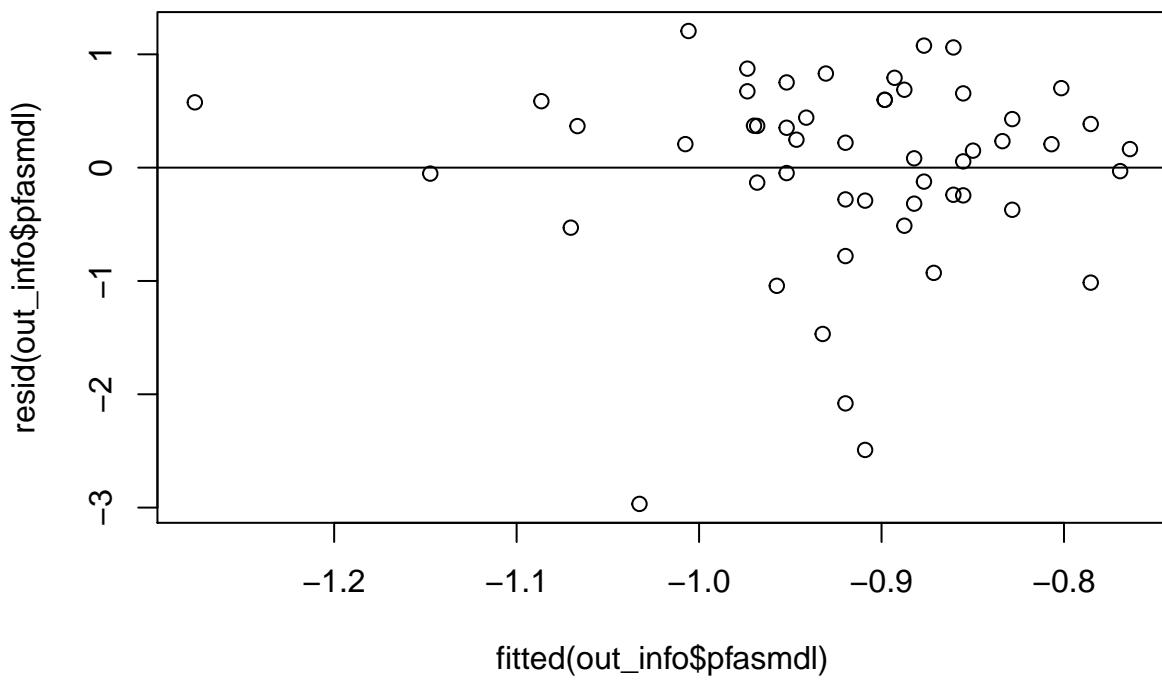
**Normal Q-Q Plot**



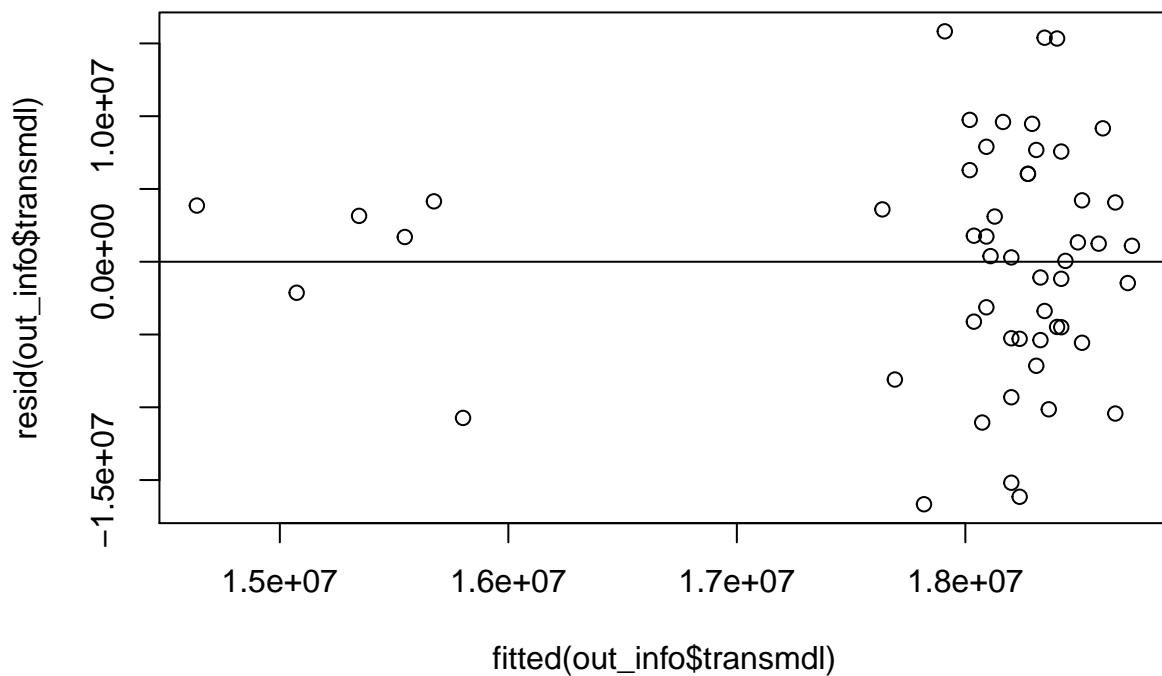
### Normal Q-Q Plot



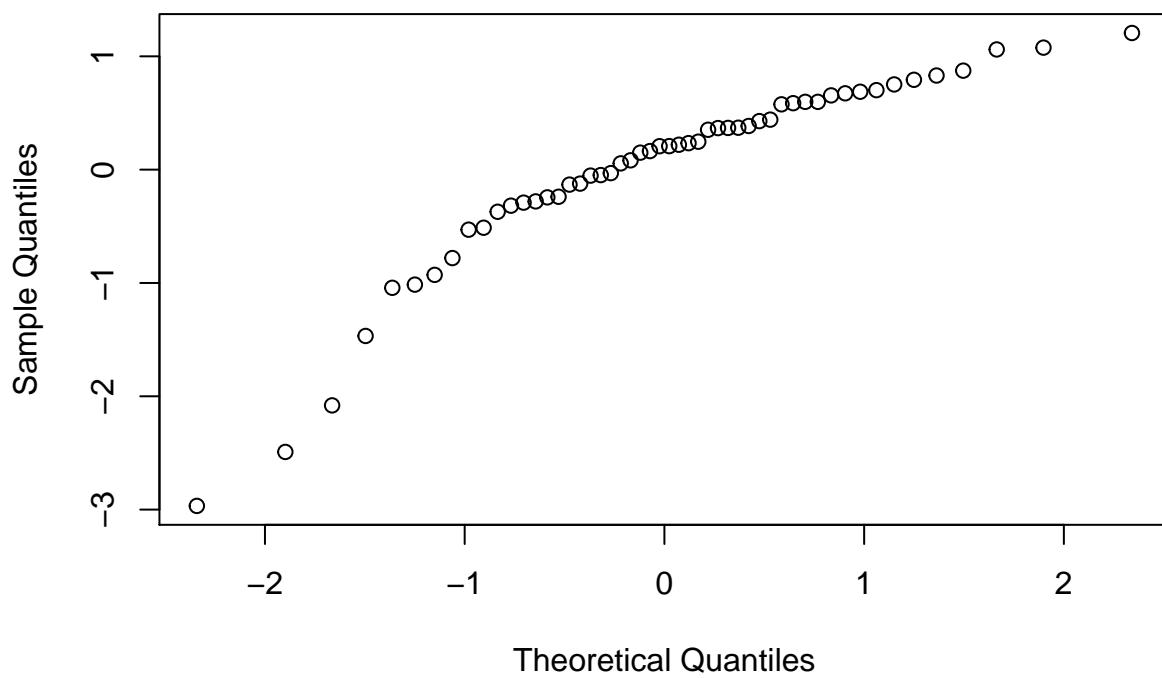
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$origEthnicity**



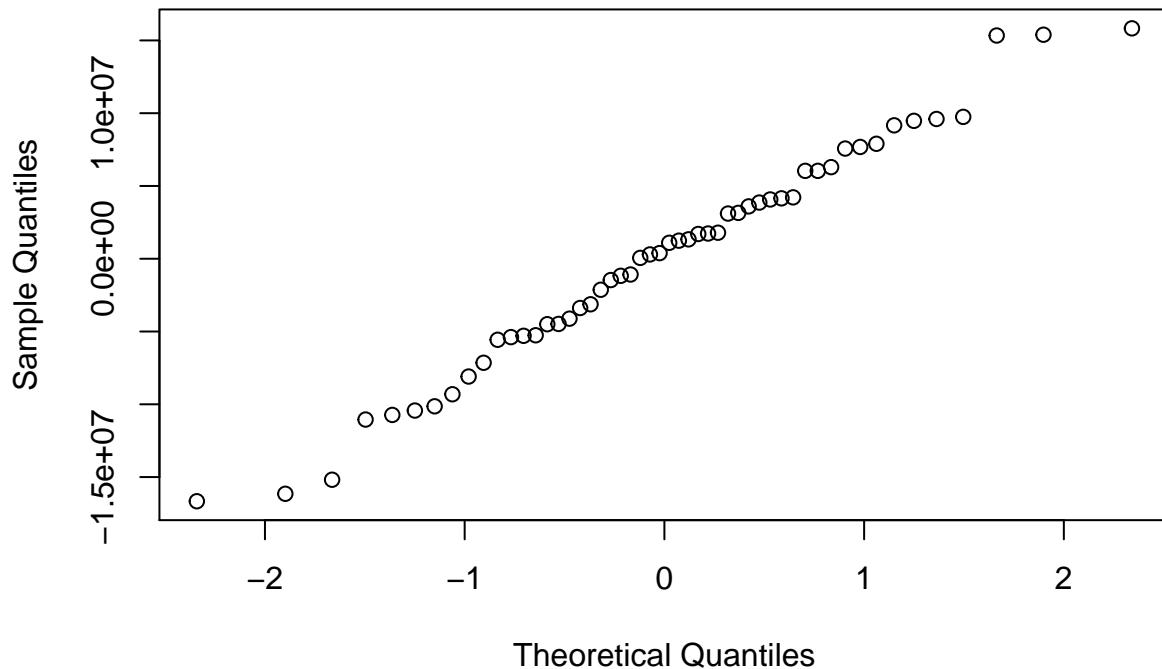
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.num.fireruns  
Plot of fnPFOStransEthnicity**



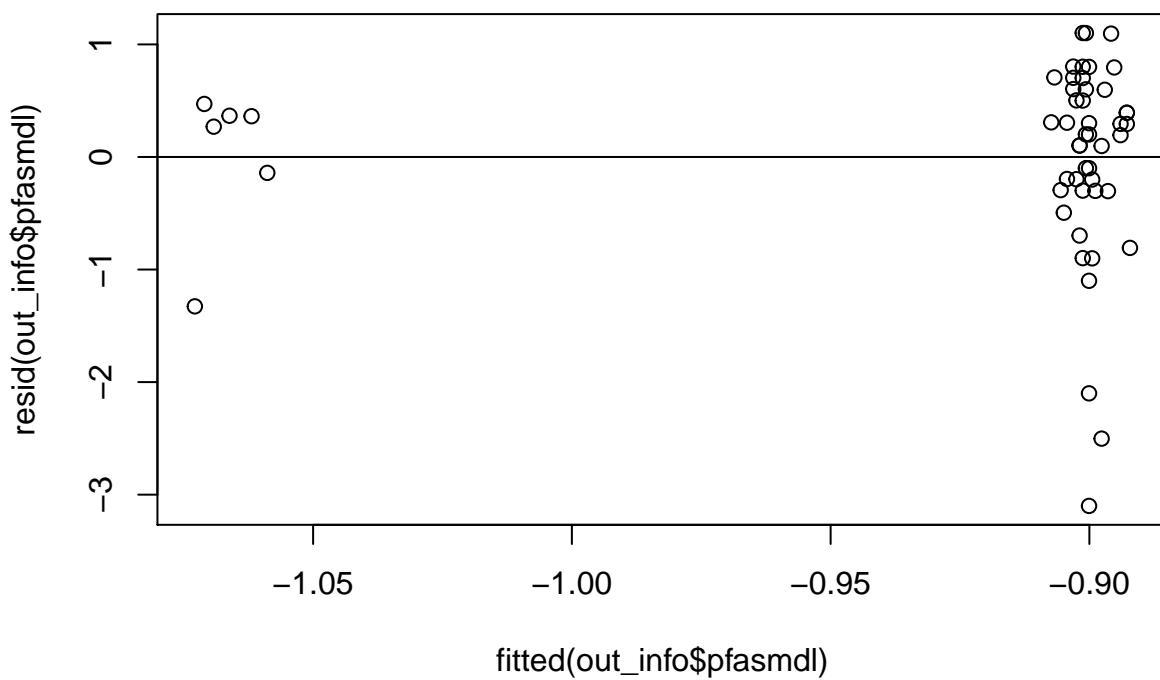
**Normal Q-Q Plot**



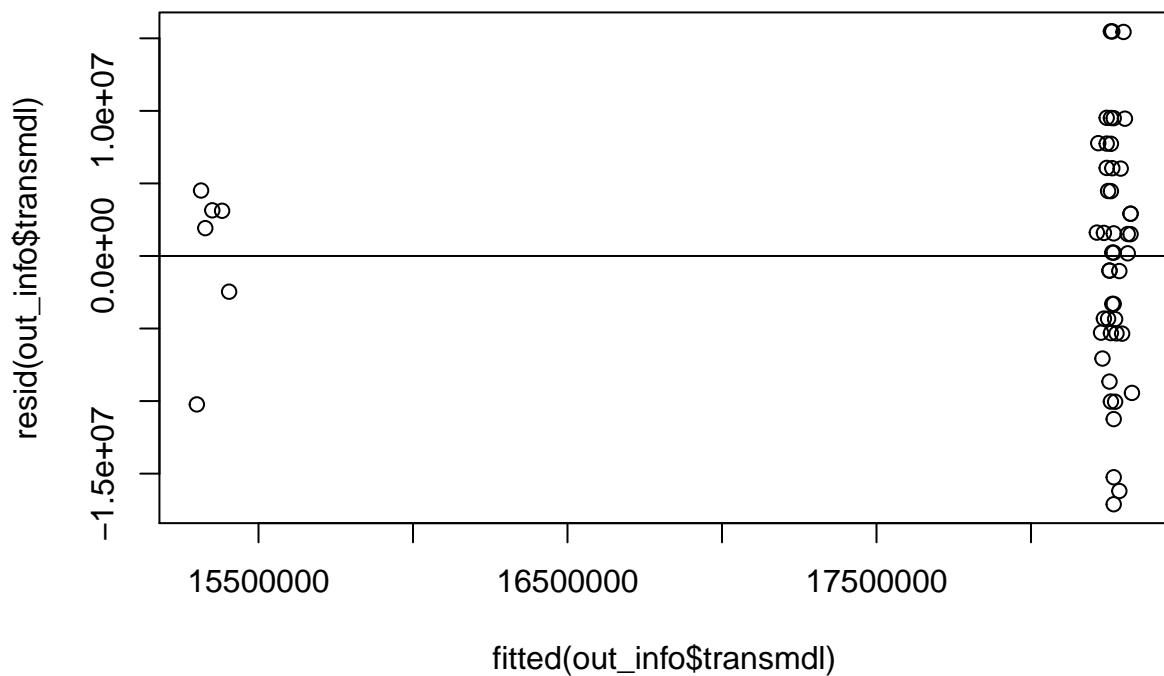
### Normal Q-Q Plot



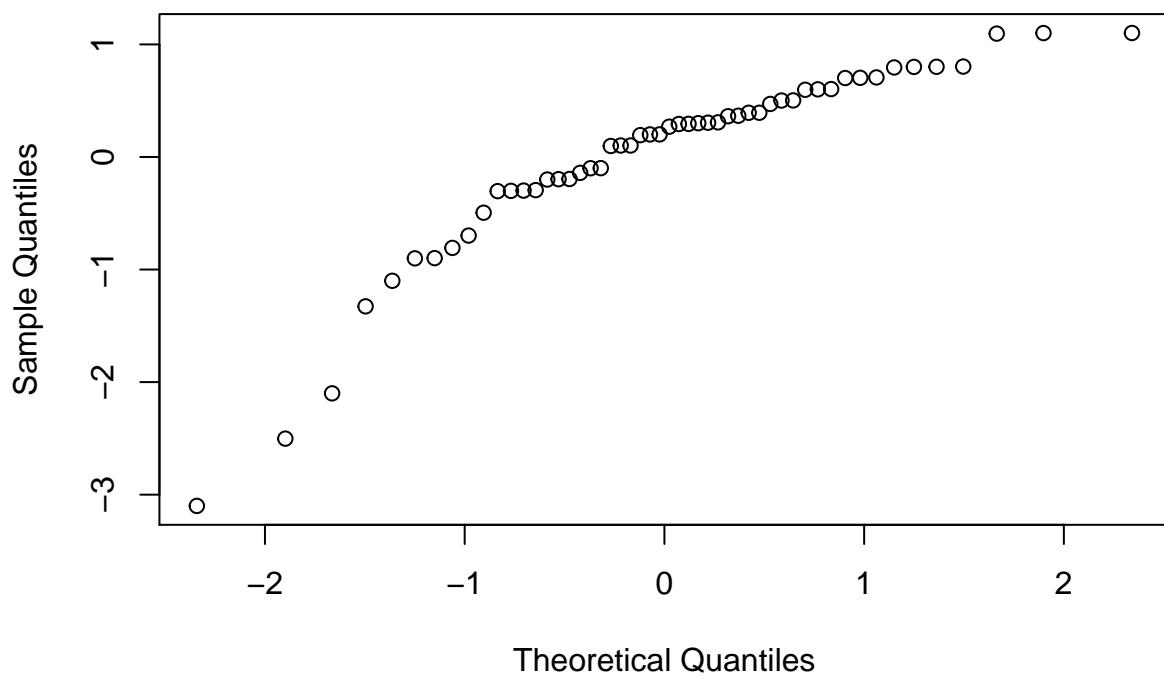
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.num.fireruns  
Plot of nPFO\$origEthnicity**



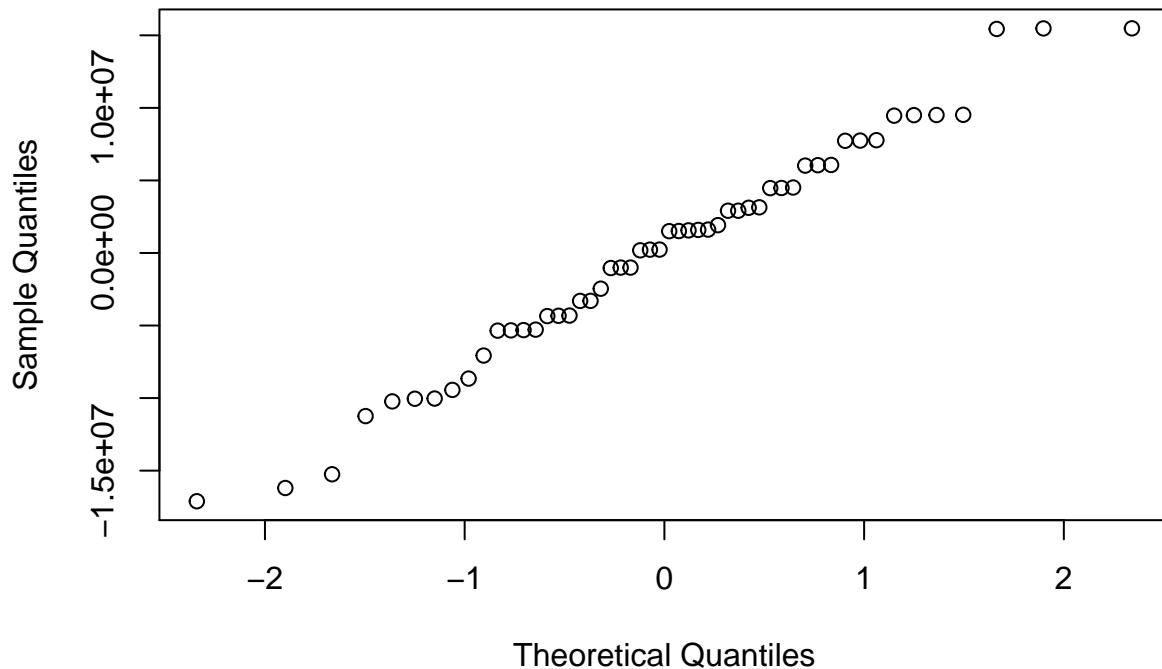
**Plot of fnPFOStrans+  
Plot of fnPFOStransstr.num.fireruns  
Plot of fnPFOStransEthnicity**



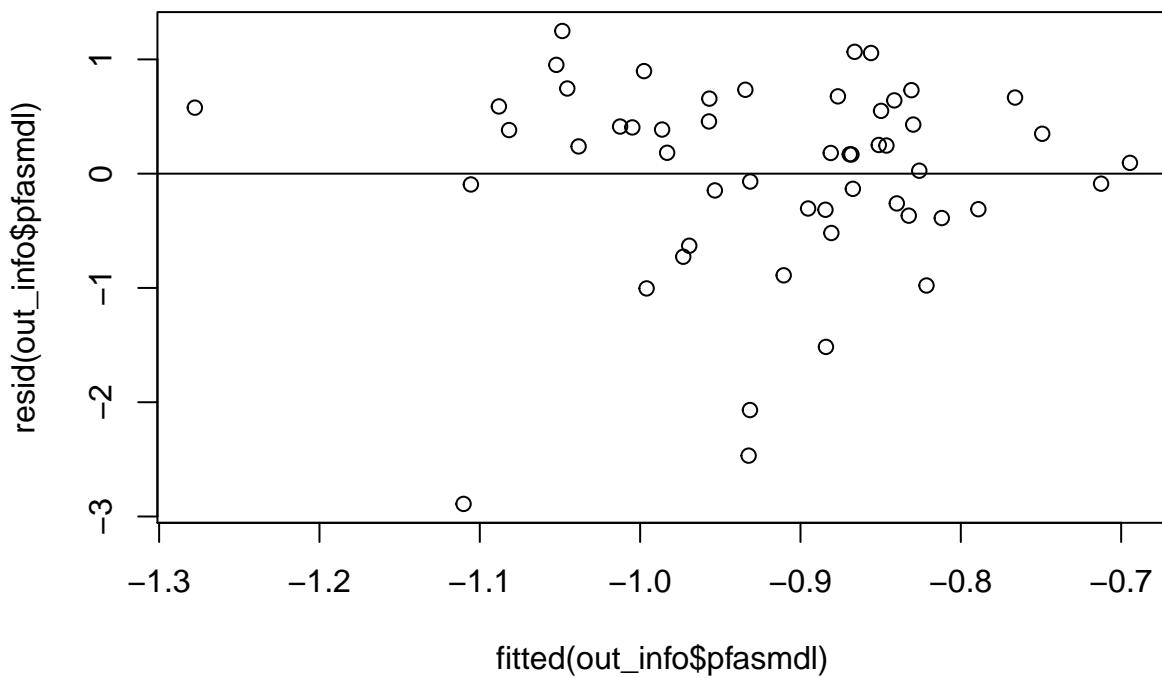
**Normal Q-Q Plot**



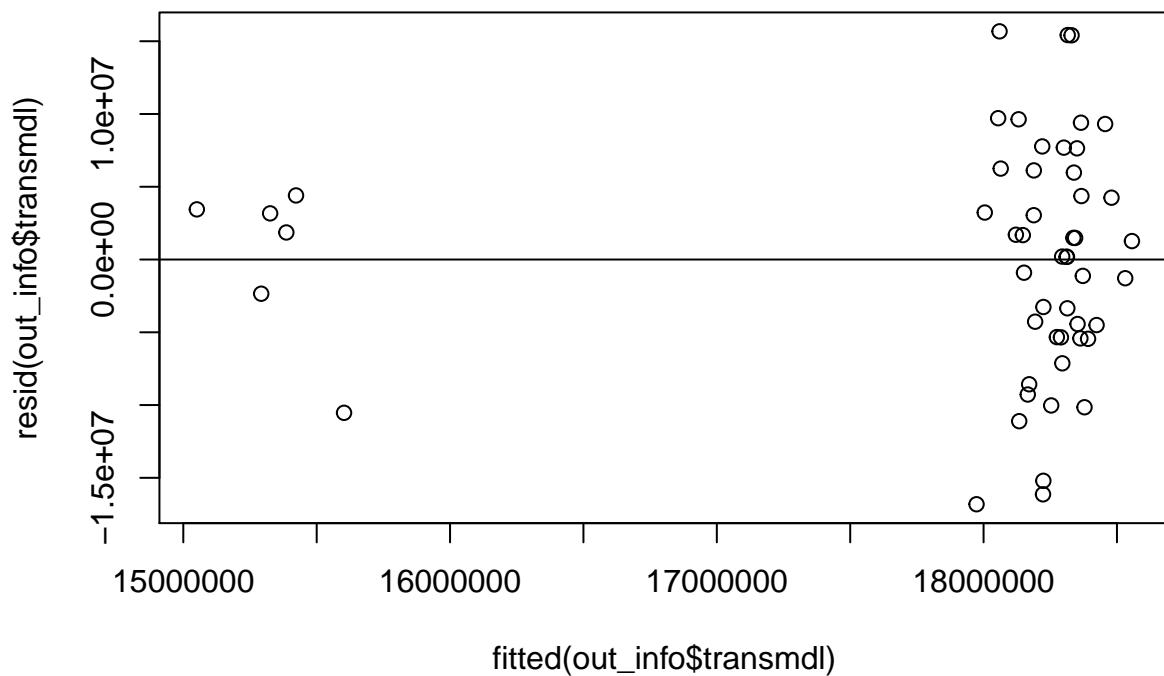
### Normal Q-Q Plot



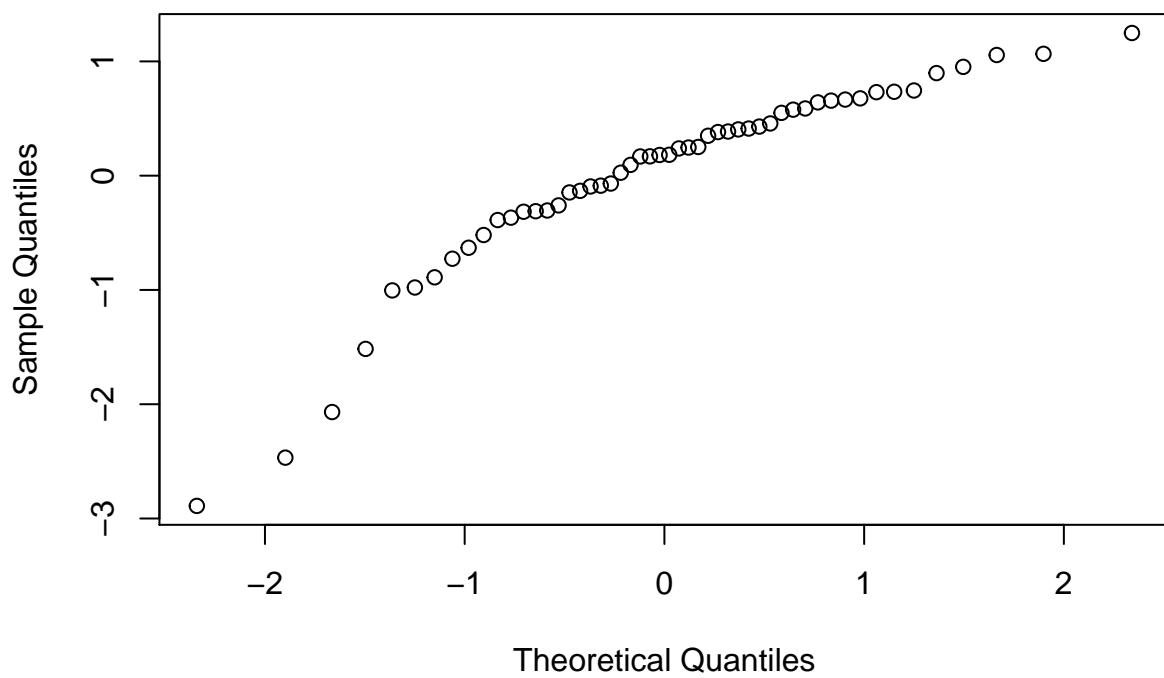
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**



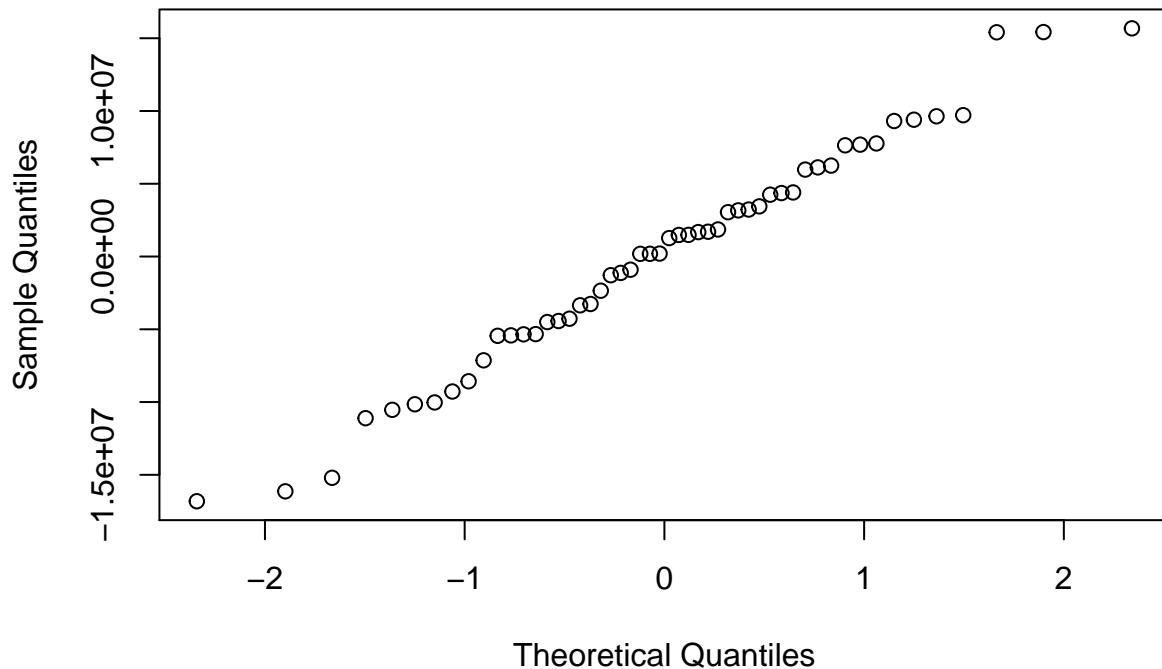
**Plot ofnPFOStrans+  
Plot ofnPFOStranstotal.duration.hrs  
Plot ofnPFOStransEthnicity**



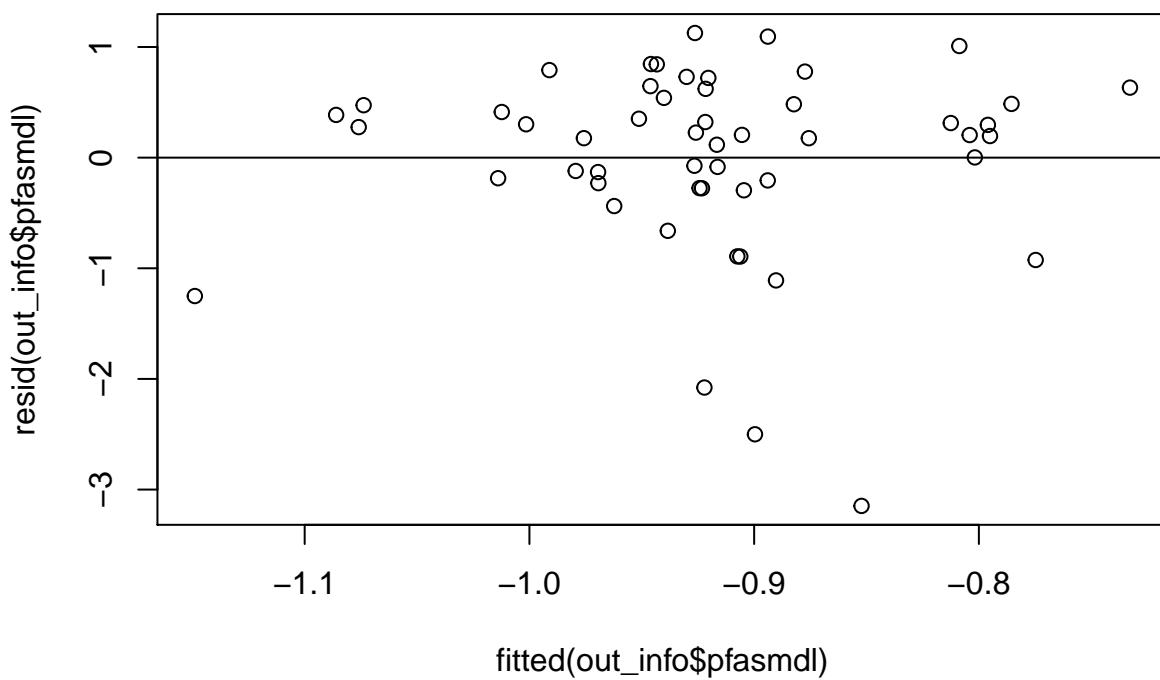
**Normal Q-Q Plot**



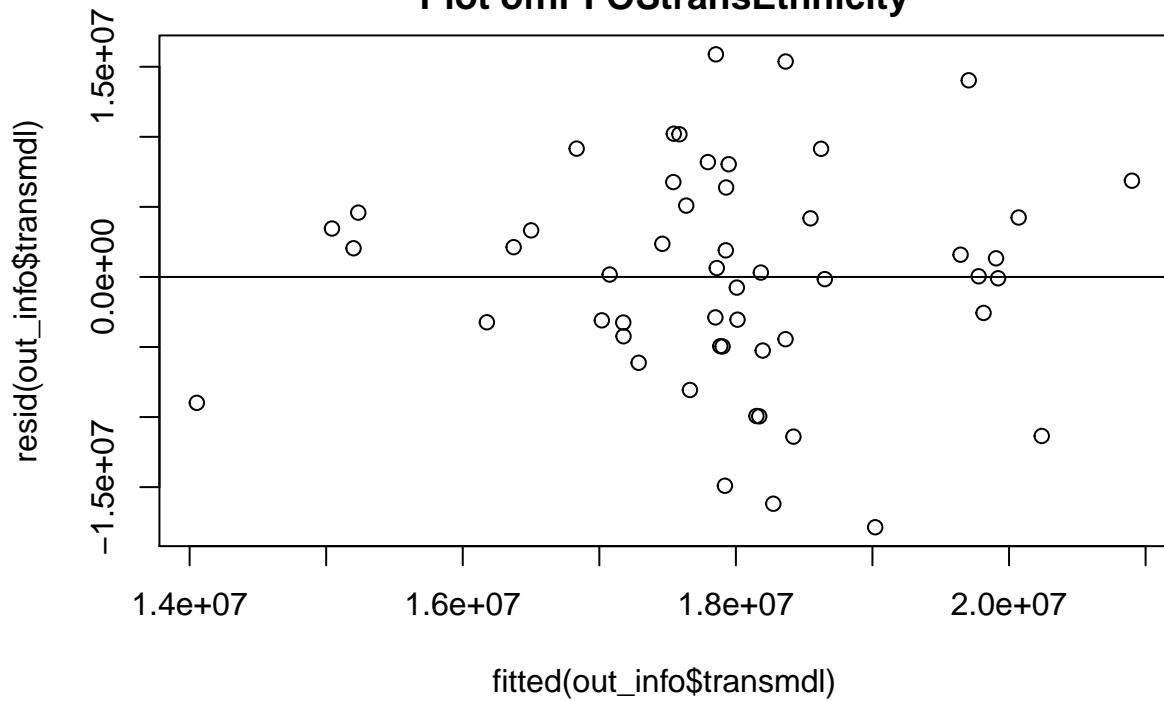
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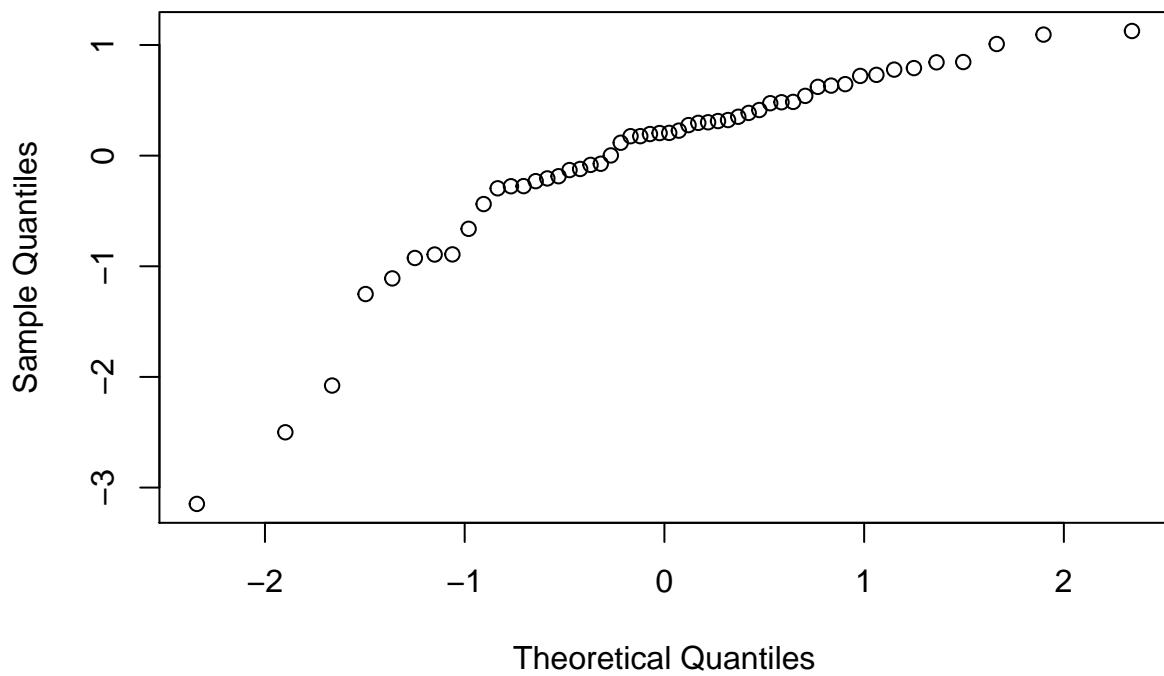
**Plot of nPFO\$orig +  
Plot of nPFO\$origstr.duration.hrs  
Plot of nPFO\$origEthnicity**



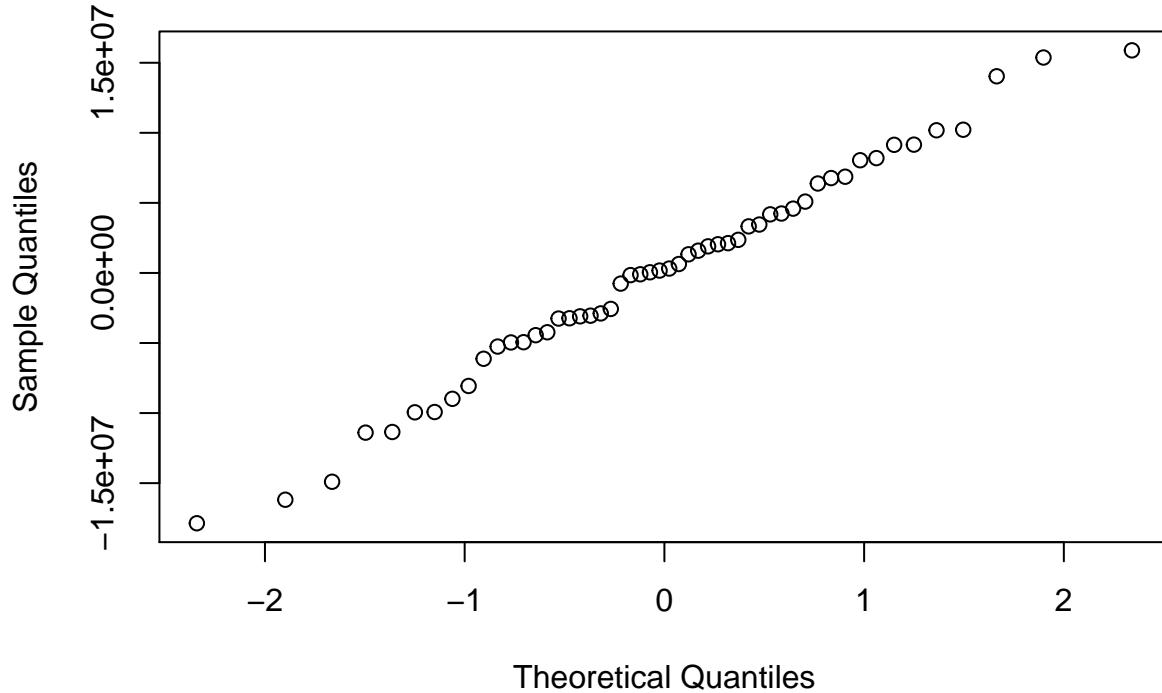
**Plot of nPFOStrans+  
Plot of nPFOStransstr.duration.hrs  
Plot of nPFOStransEthnicity**



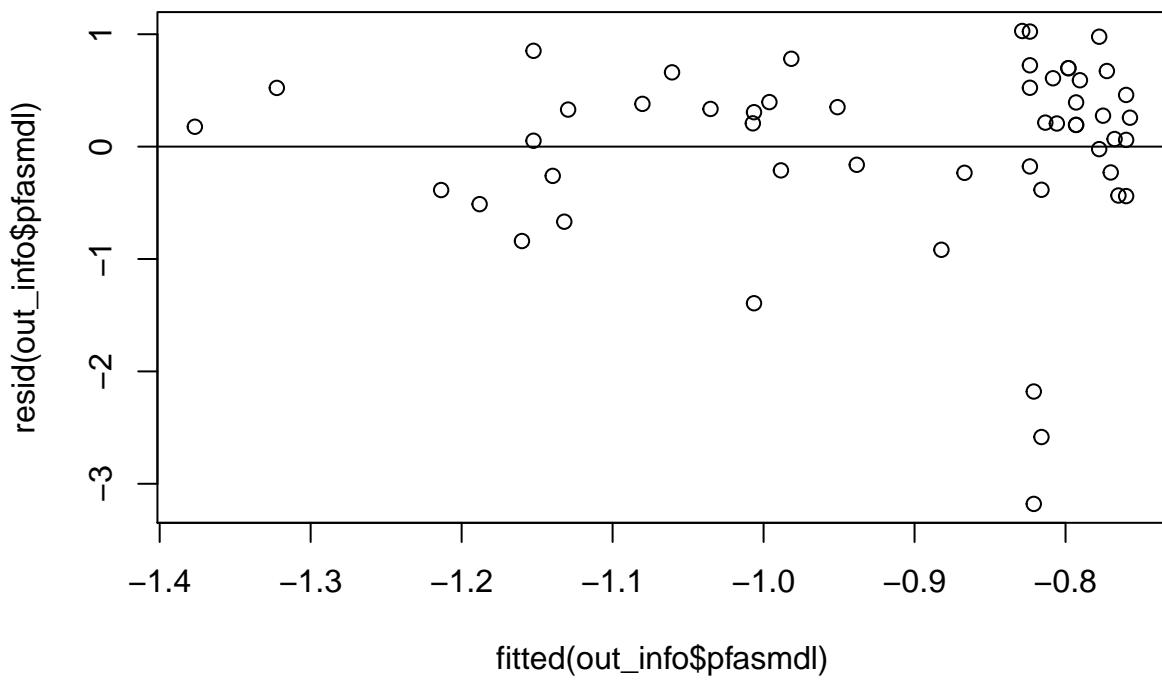
**Normal Q-Q Plot**



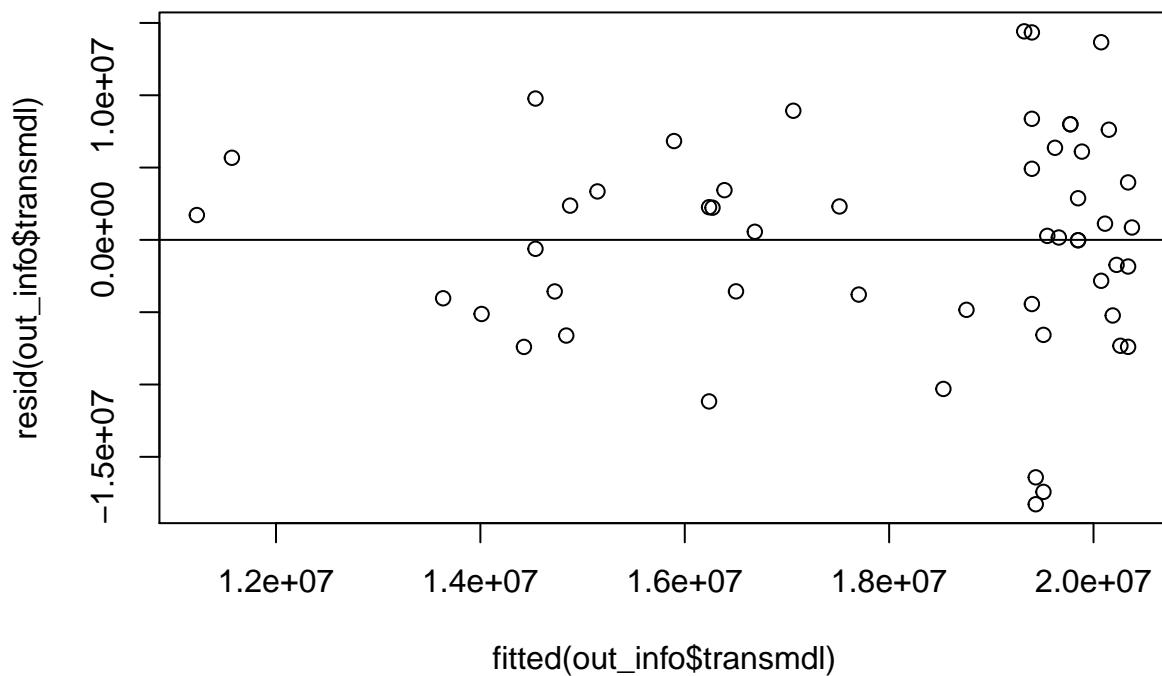
### Normal Q-Q Plot



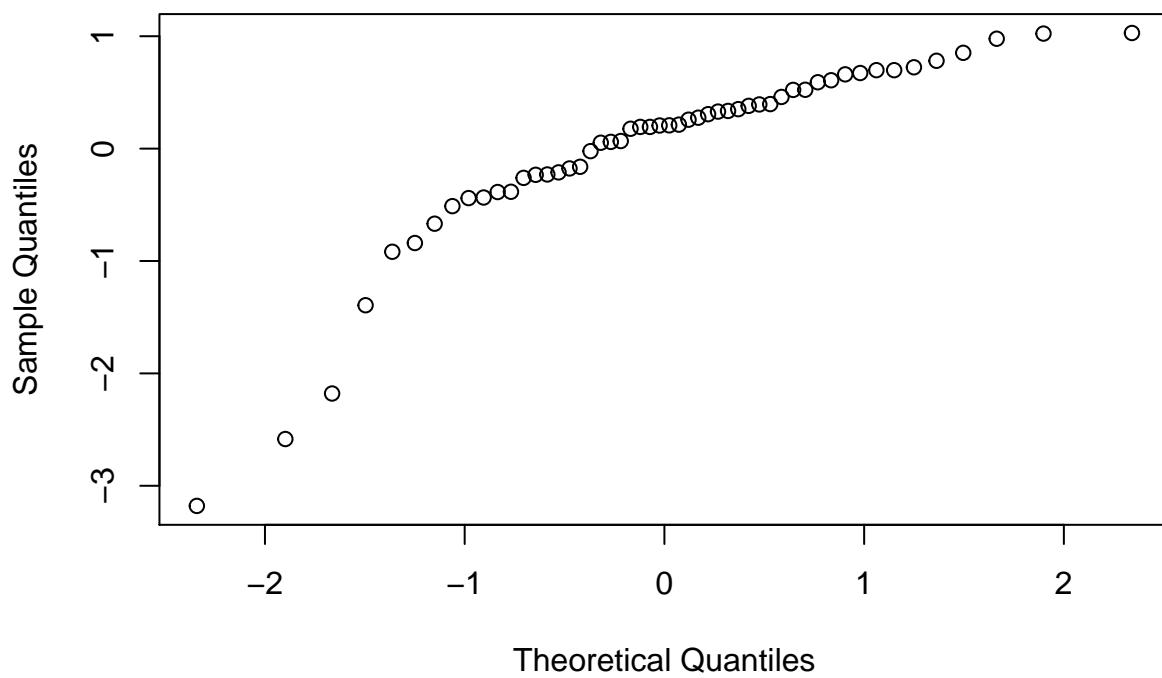
**Plot of nPFO\$orig+  
Plot of nPFO\$origdays.since.MRF  
Plot of nPFO\$origEthnicity**



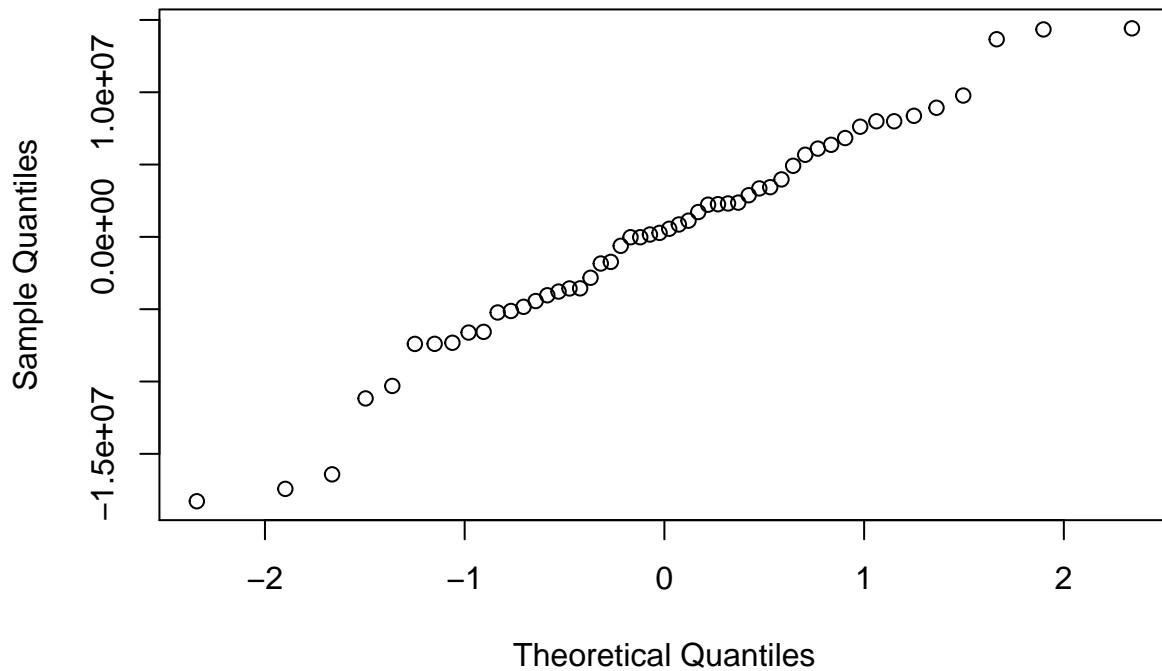
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.MRF  
Plot of fnPFOStransEthnicity**



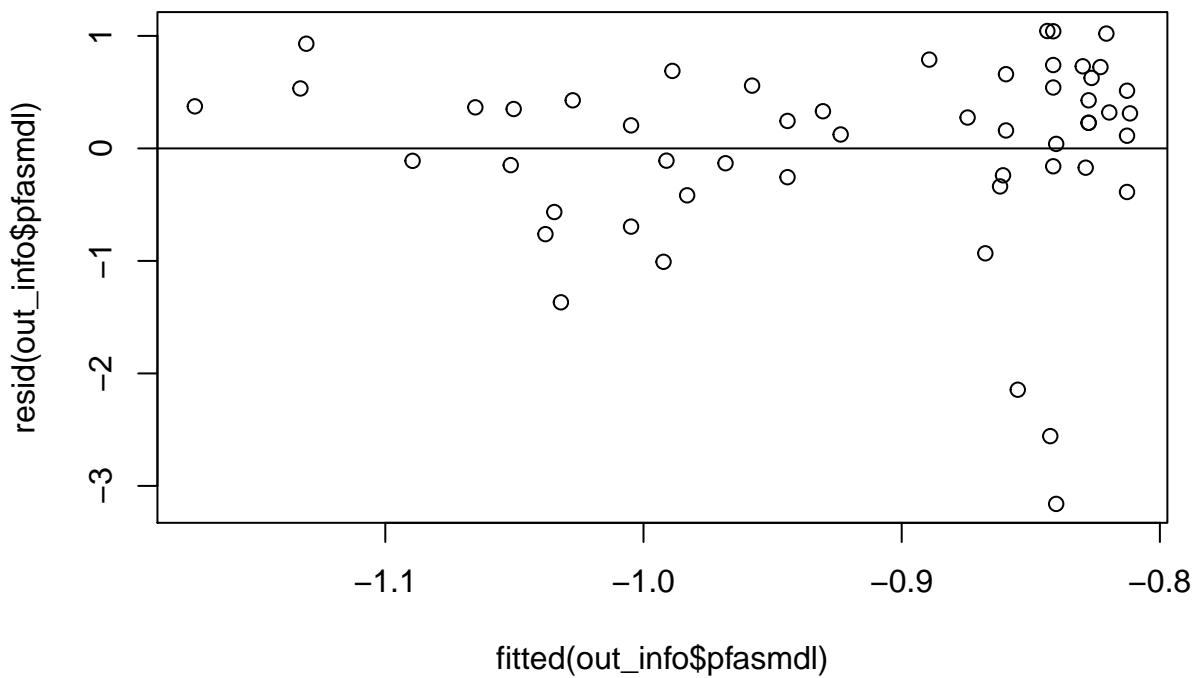
**Normal Q-Q Plot**



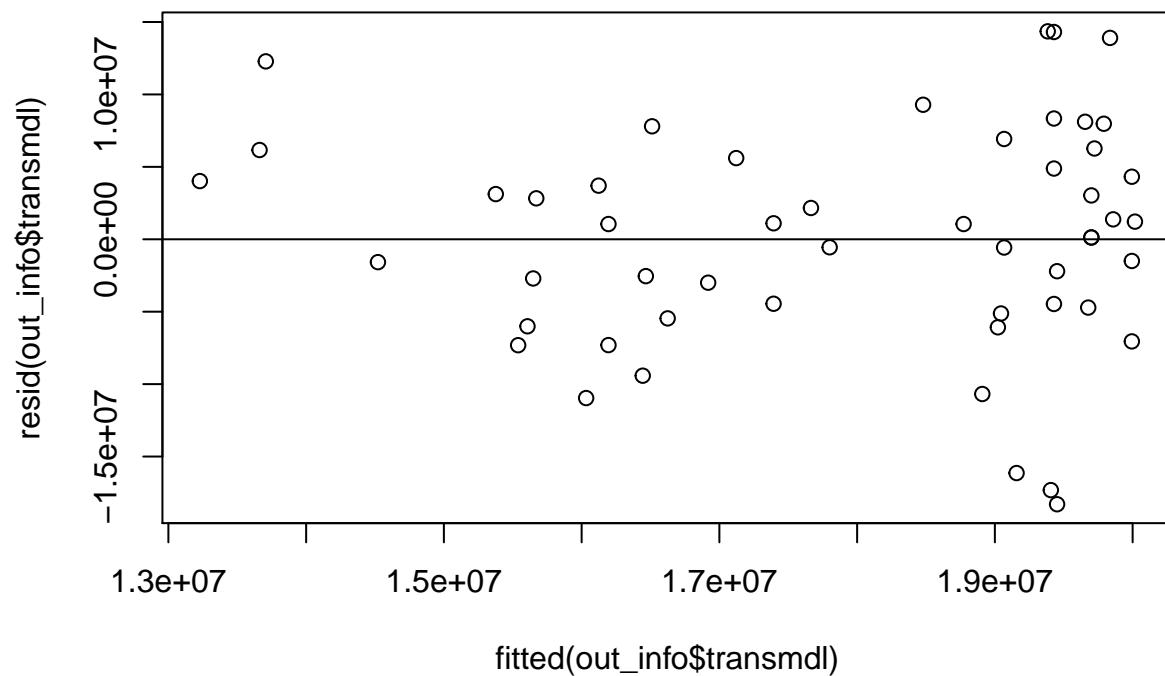
### Normal Q-Q Plot



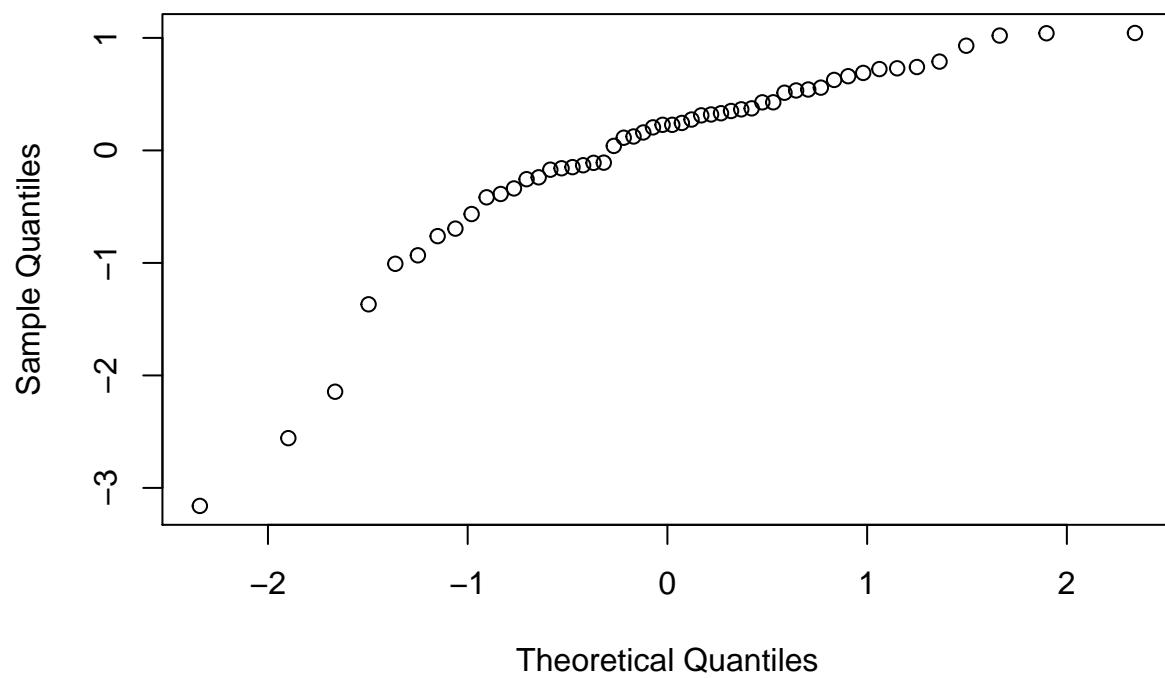
**Plot of nPFO\$orig+**  
**Plot of nPFO\$origdays.since.struc.MRF**  
**Plot of nPFO\$origEthnicity**



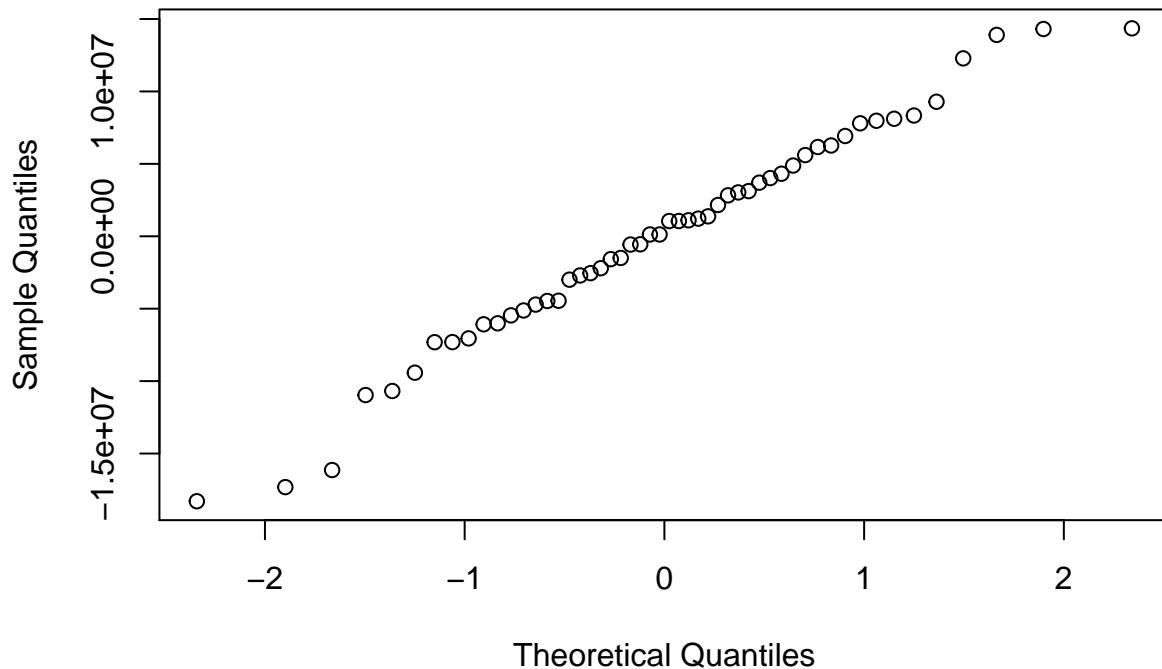
**Plot of nPFOStrans+  
Plot of nPFOStransdays.since.struc.MRF  
Plot of nPFOStransEthnicity**



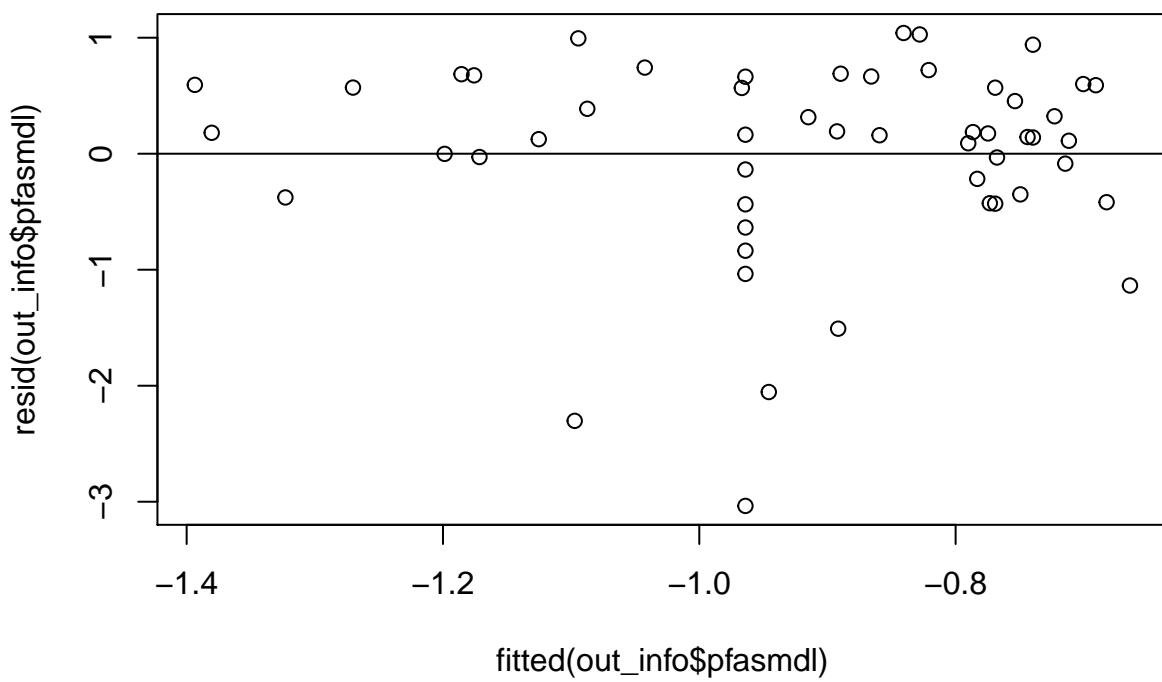
**Normal Q-Q Plot**



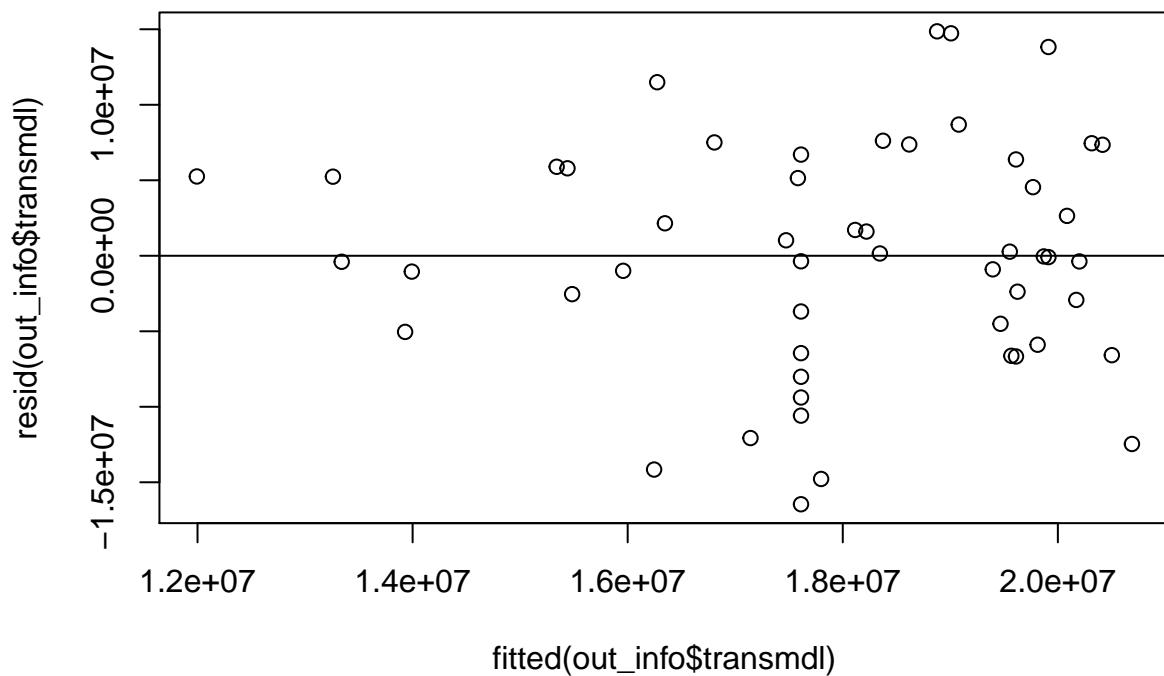
### Normal Q-Q Plot



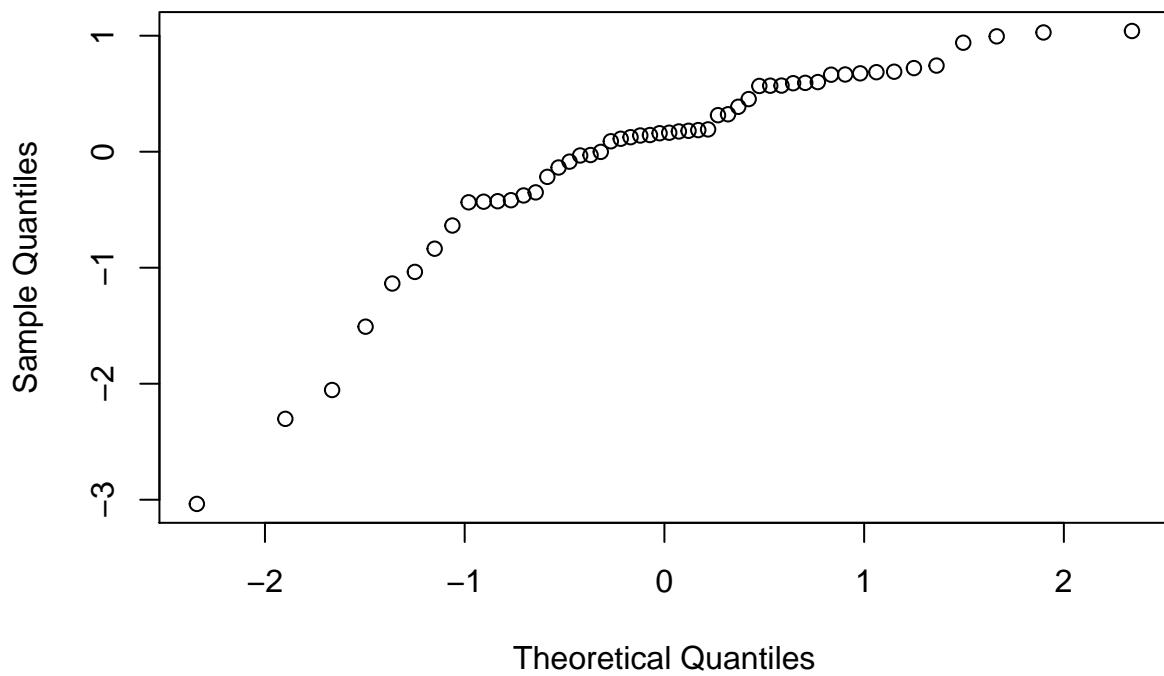
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



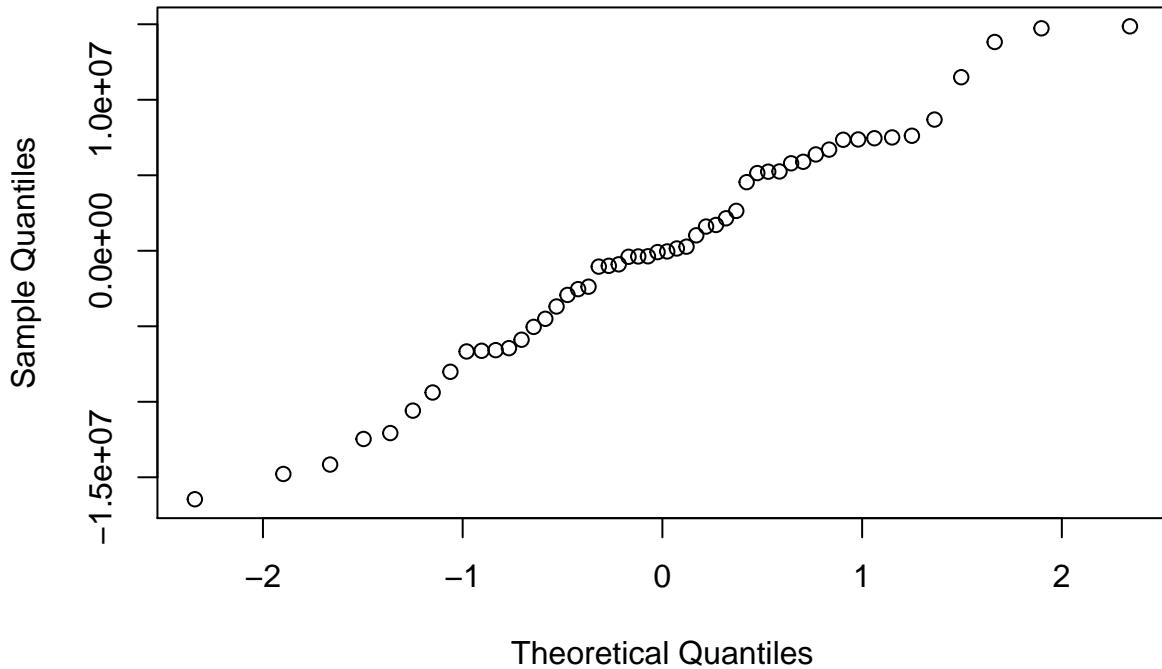
**Plot of fnPFOStrans+  
Plot of fnPFOStranstime.since.baseline  
Plot of fnPFOStransEthnicity**



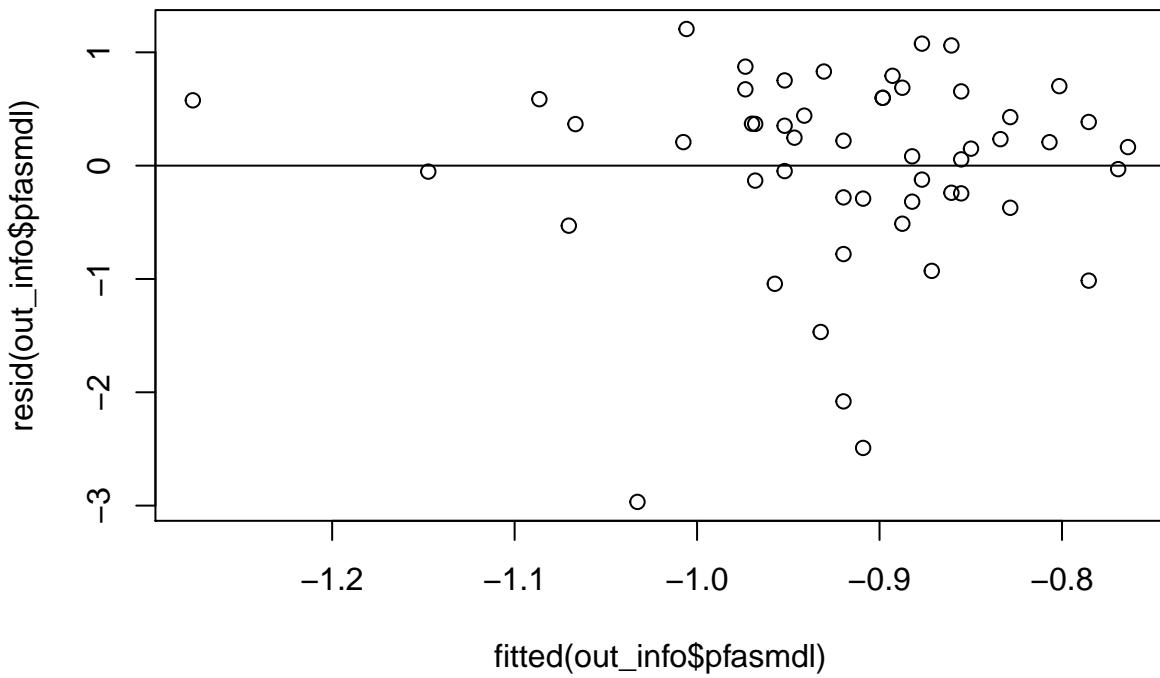
**Normal Q-Q Plot**



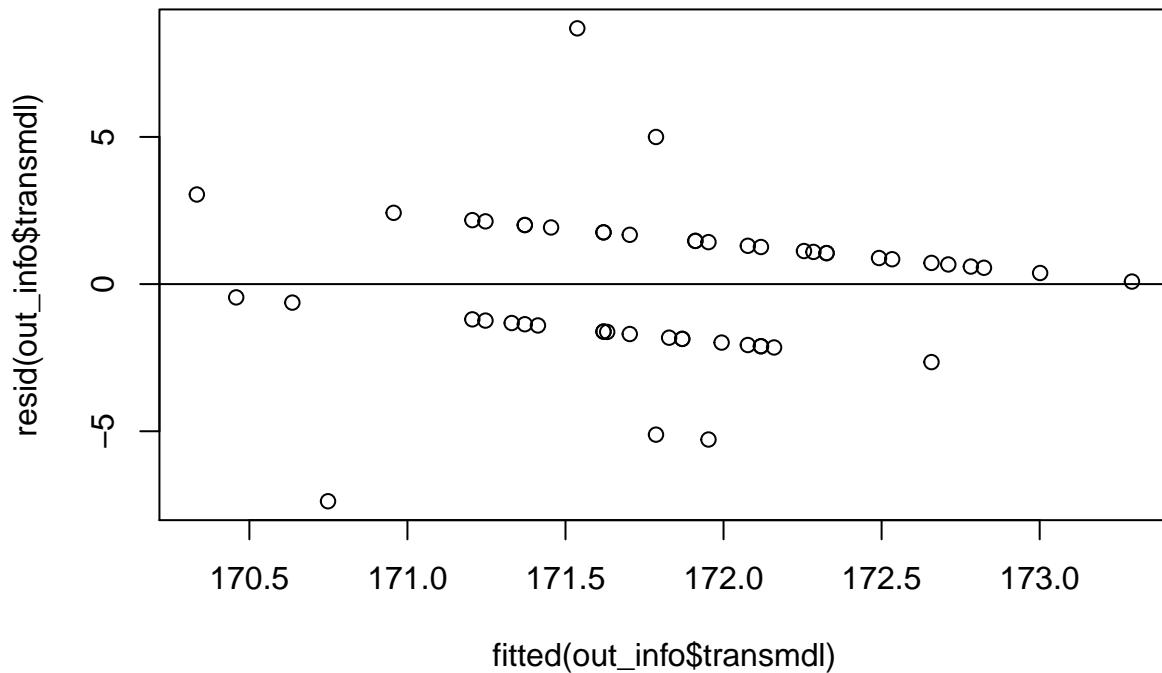
### Normal Q-Q Plot



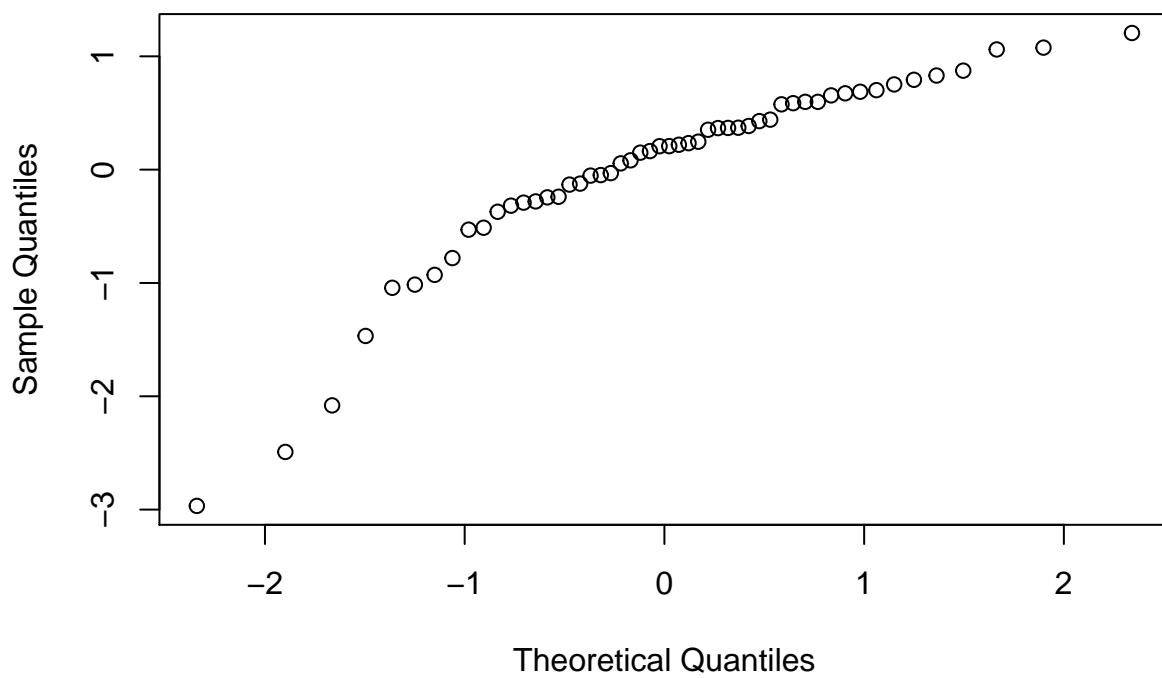
**Plot of nPFO\$orig +  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$orig\$Ethnicity**



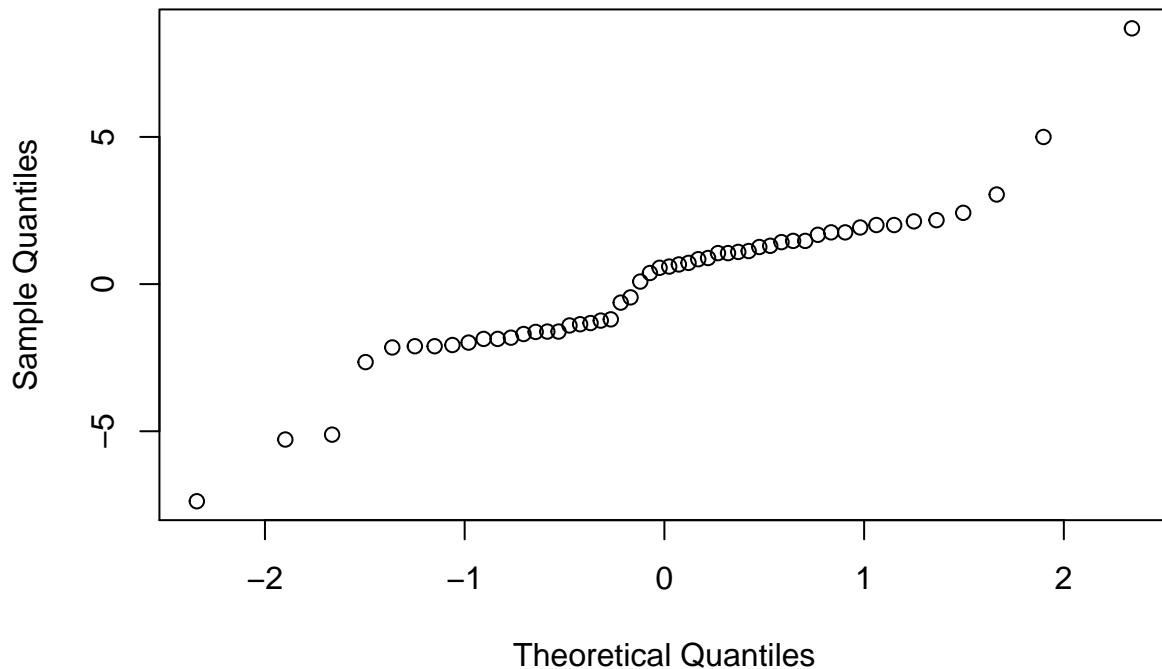
**Plot of PFDEAtrans+  
Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



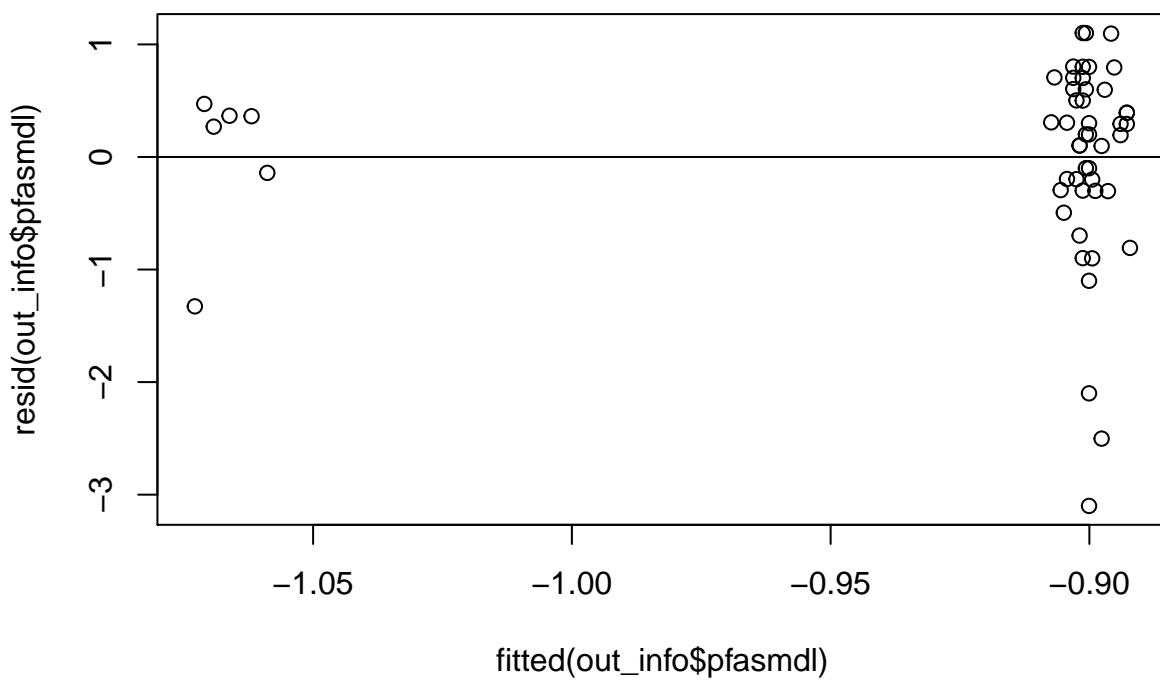
**Normal Q-Q Plot**



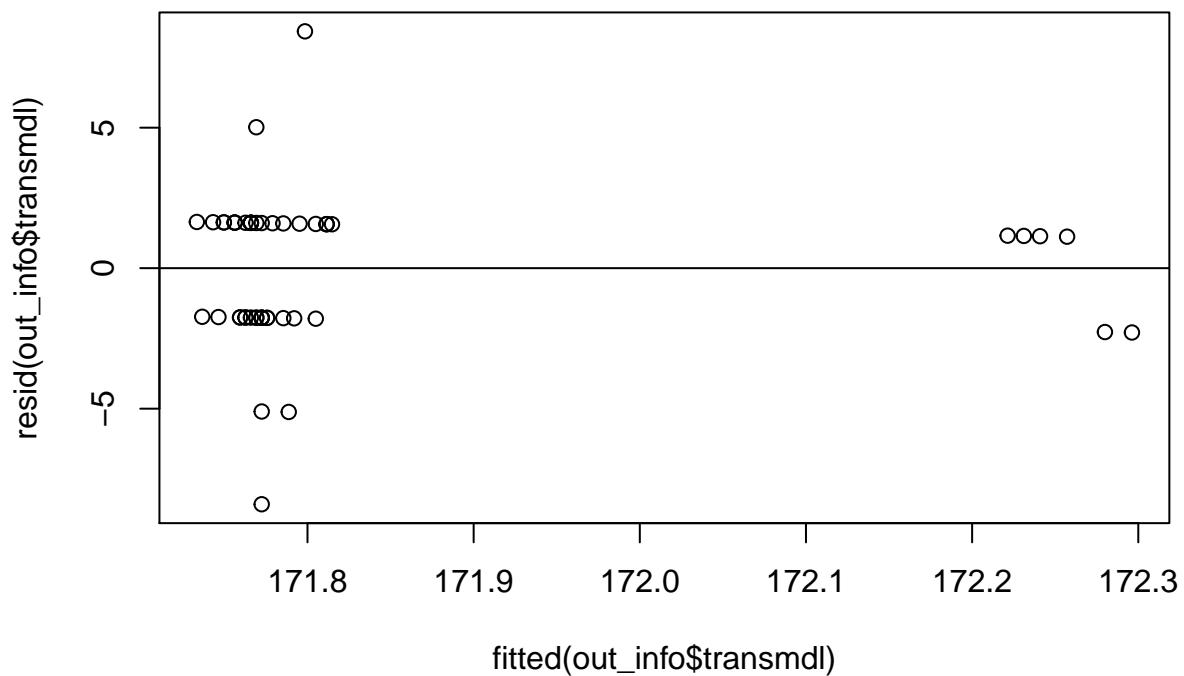
### Normal Q-Q Plot



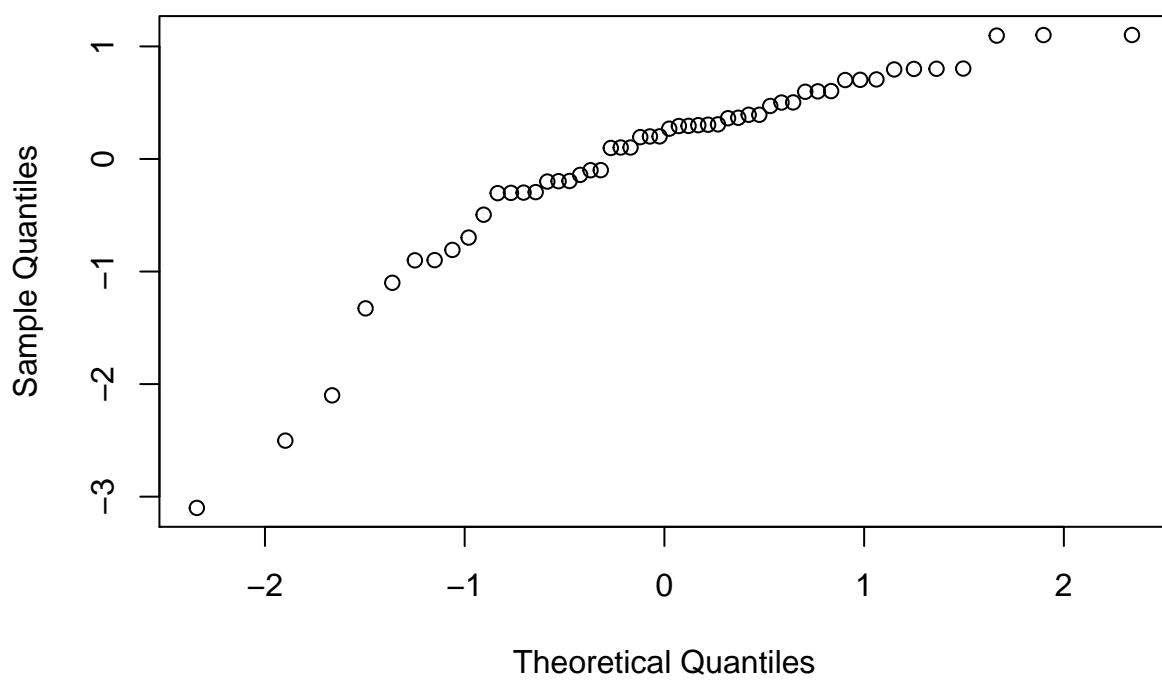
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.num.fireruns  
Plot of nPFO\$origEthnicity**



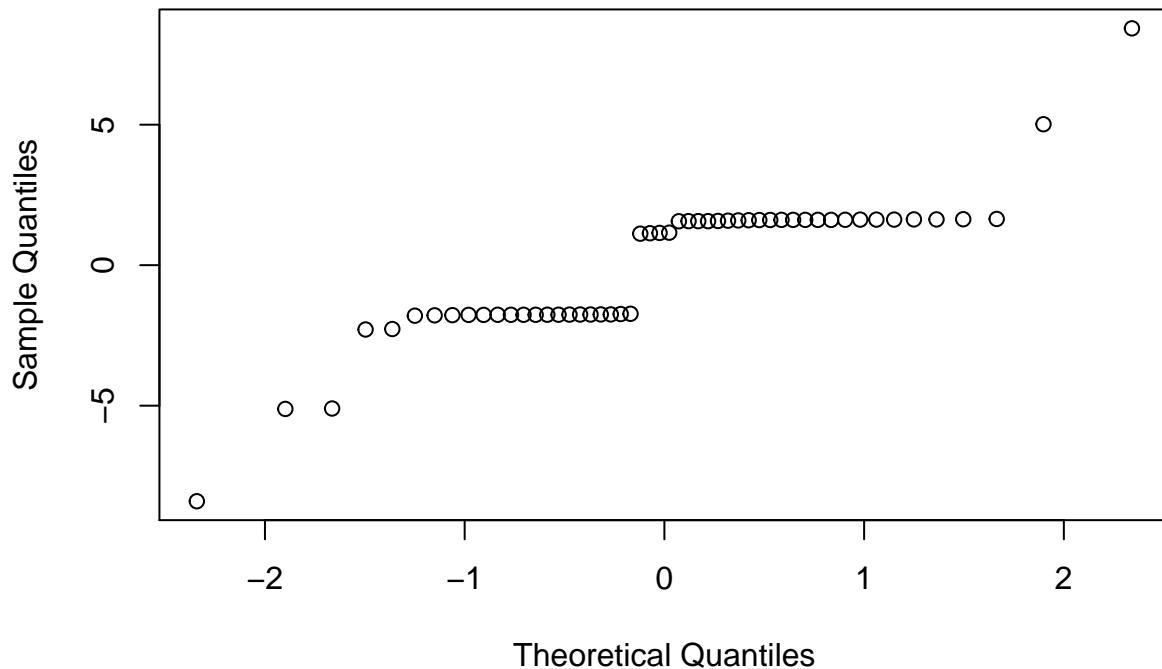
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



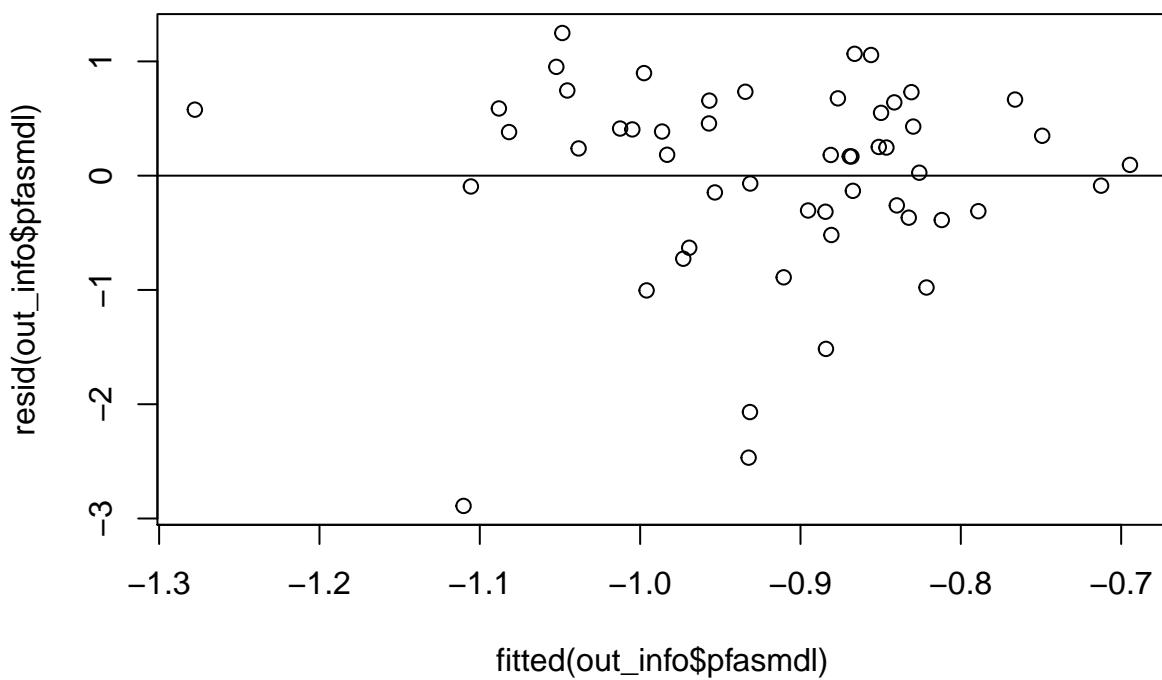
**Normal Q-Q Plot**



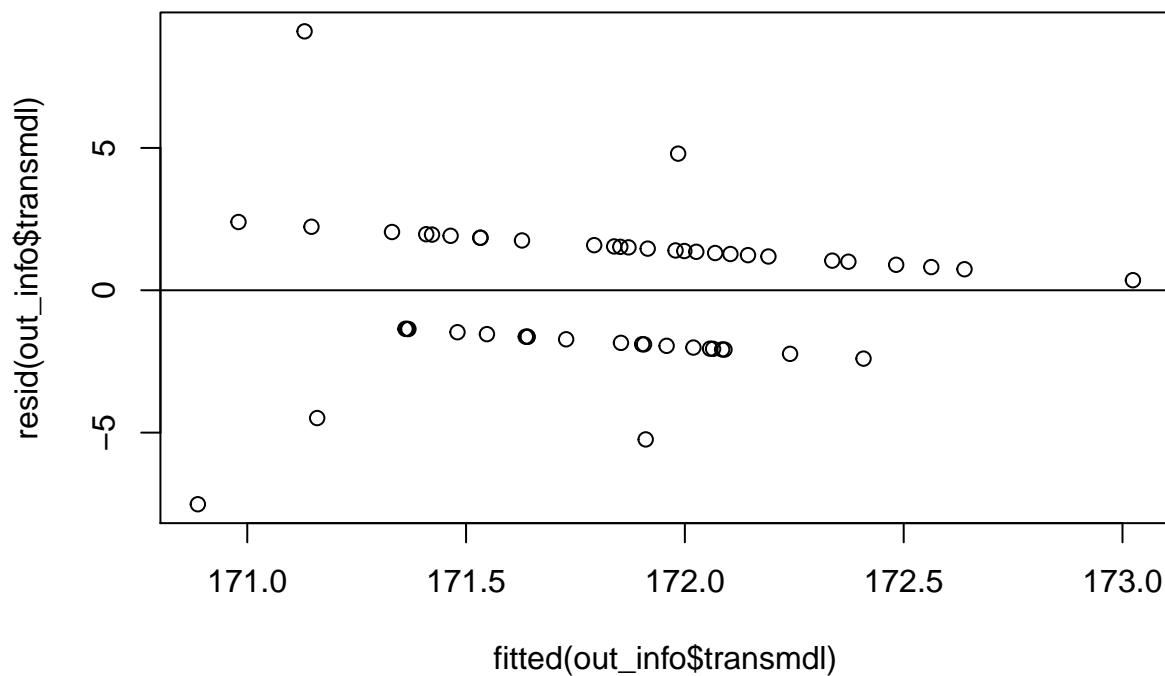
### Normal Q-Q Plot



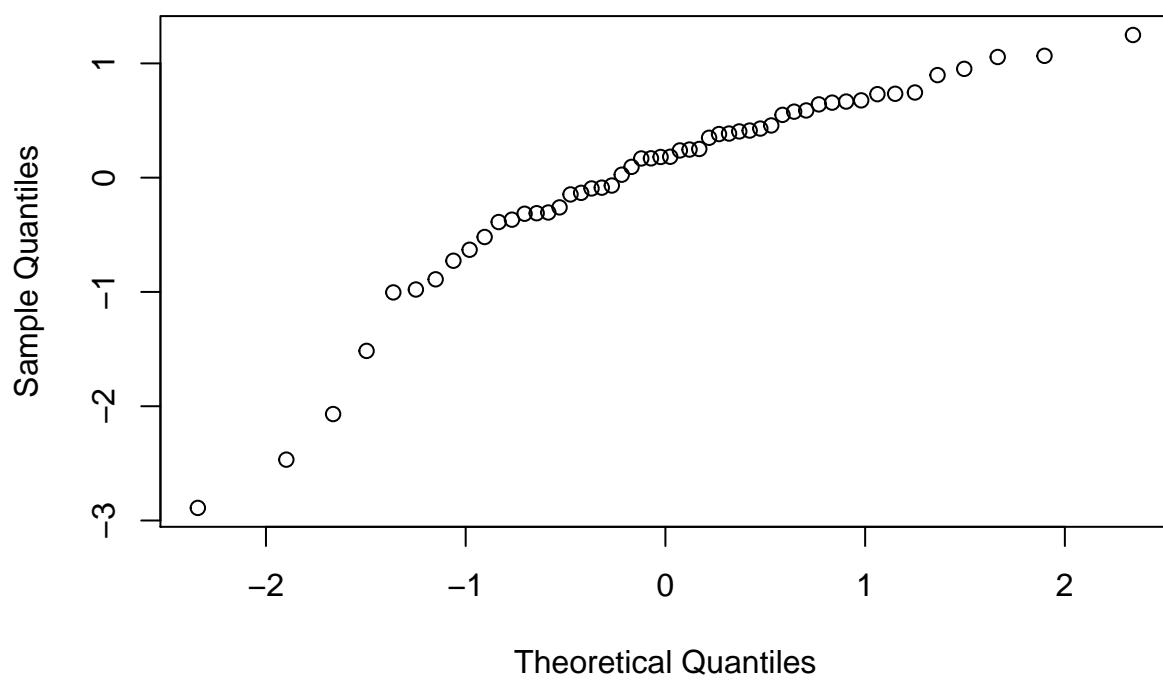
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**



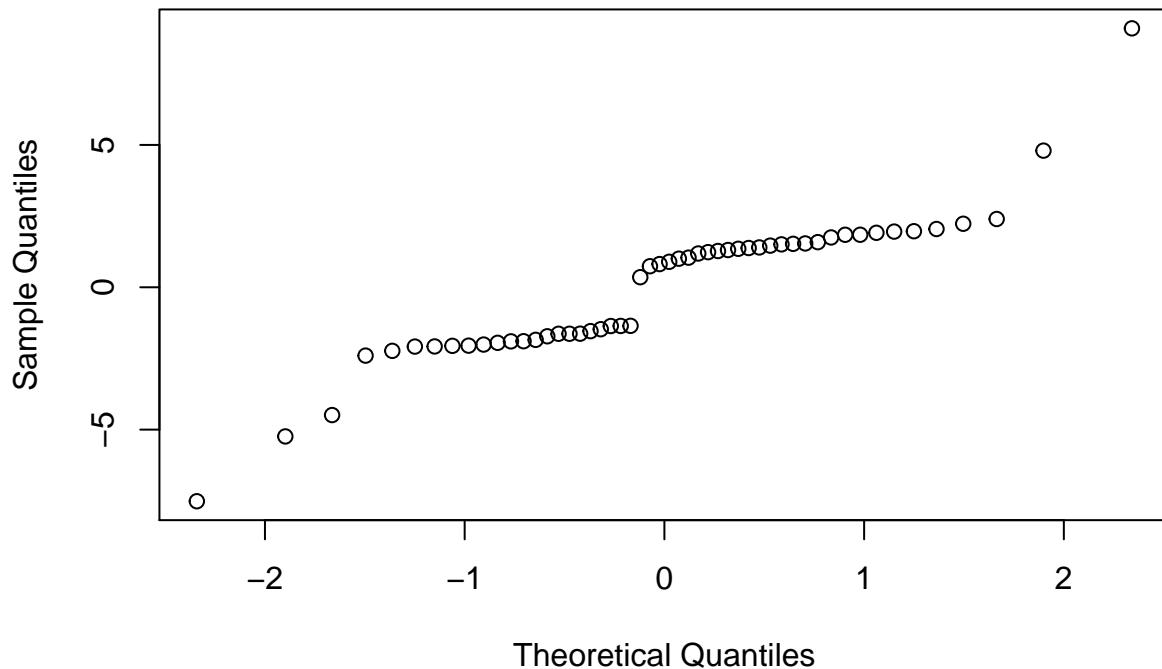
**Plot of PFDEAtrans+  
Plot of PFDEAtran\$total.duration.hrs  
Plot of PFDEAtrans\$Ethnicity**



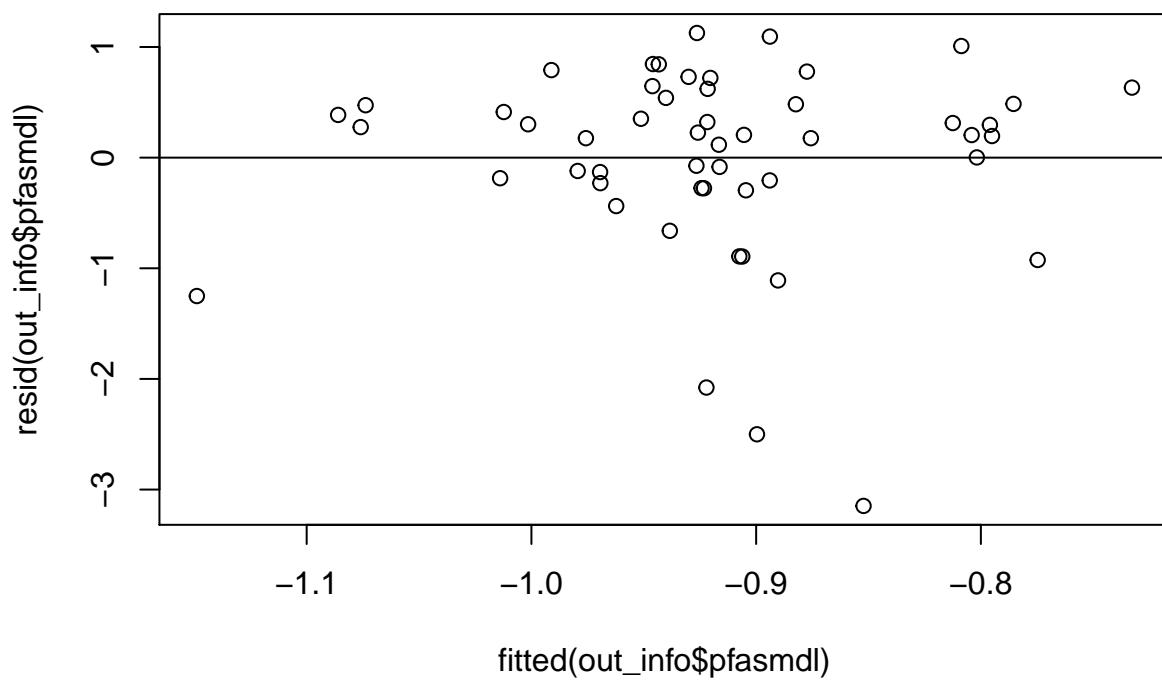
**Normal Q-Q Plot**



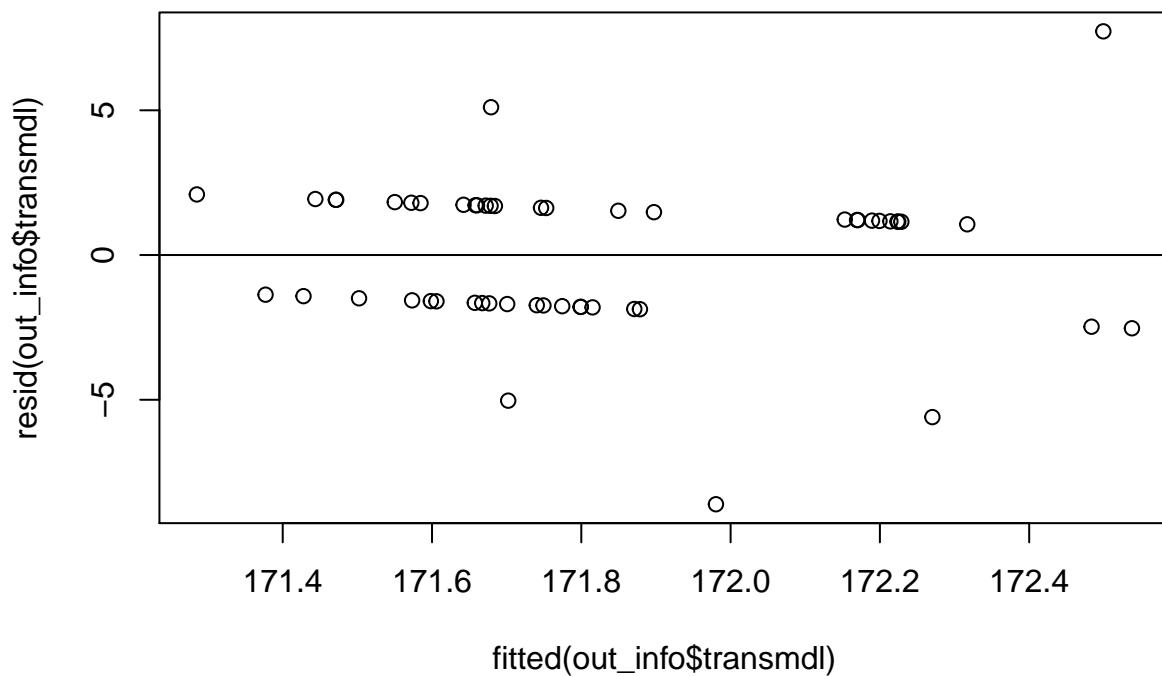
### Normal Q-Q Plot



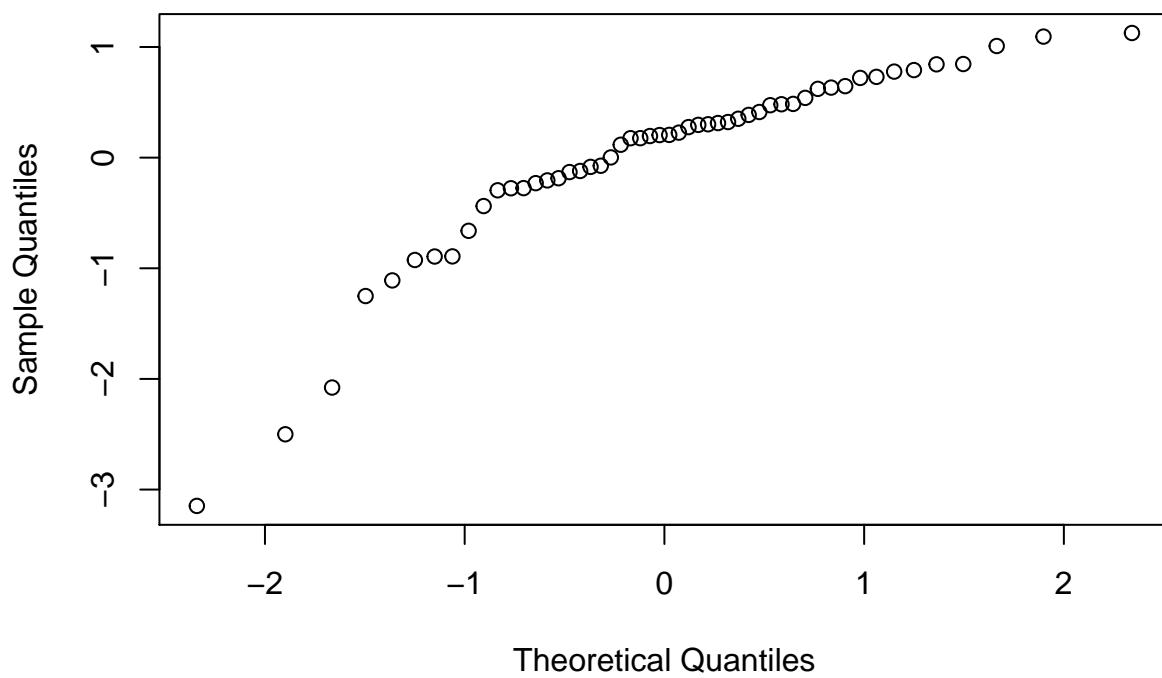
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.duration.hrs  
Plot of nPFO\$origEthnicity**



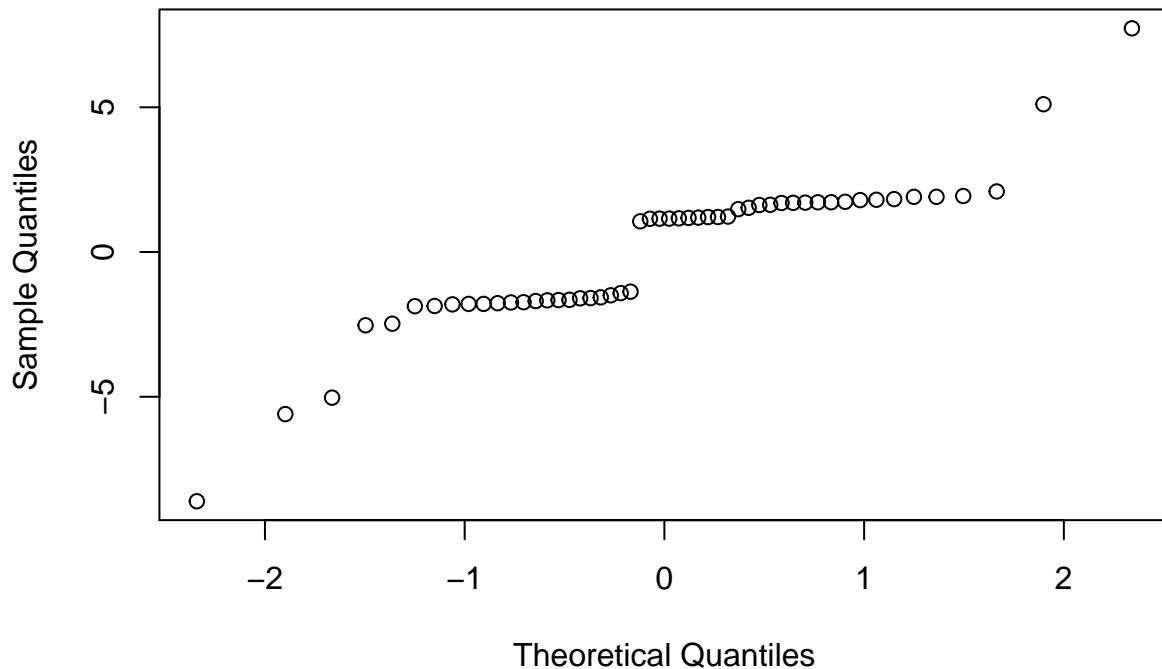
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Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



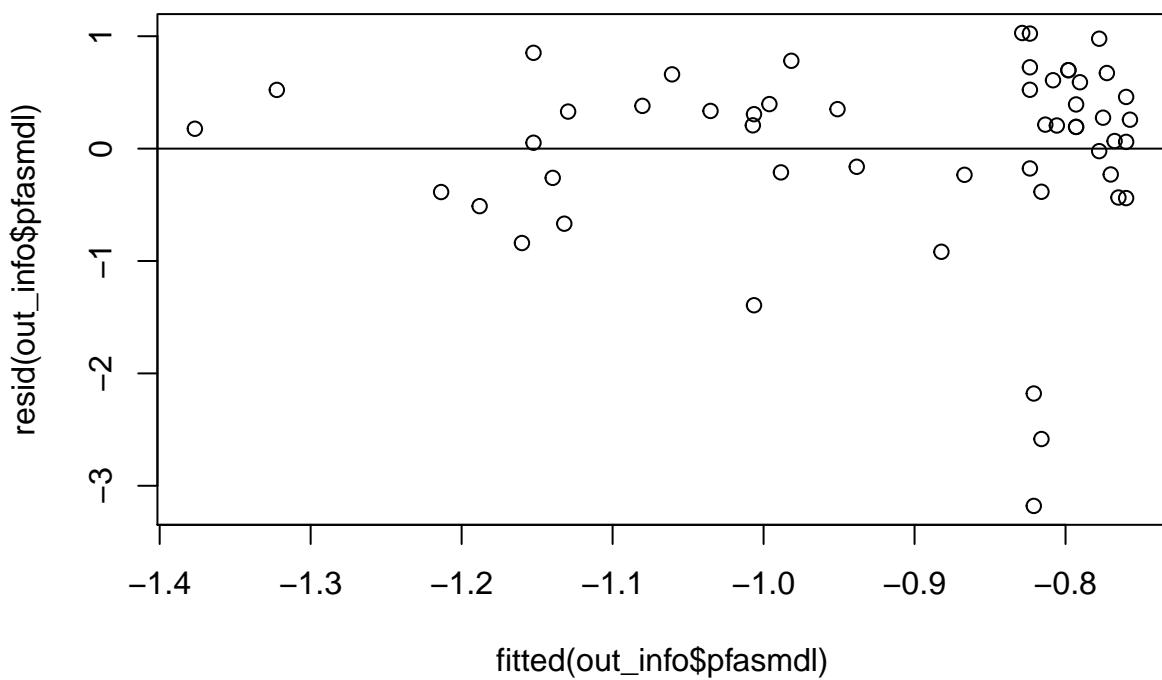
**Normal Q-Q Plot**



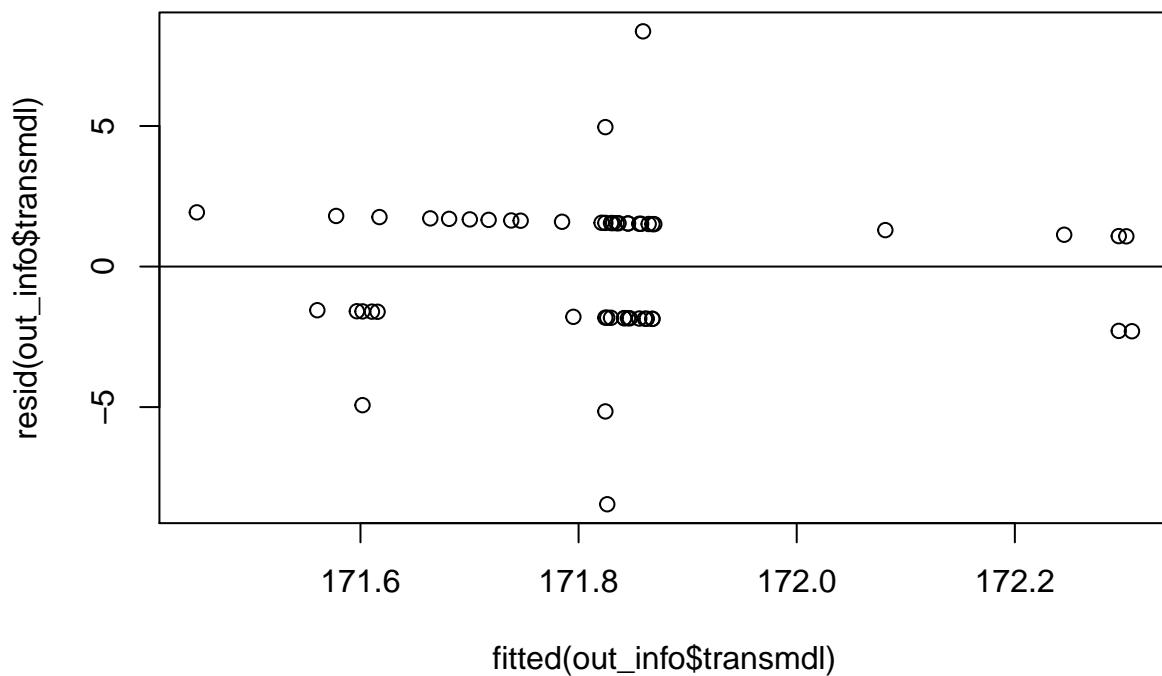
### Normal Q-Q Plot



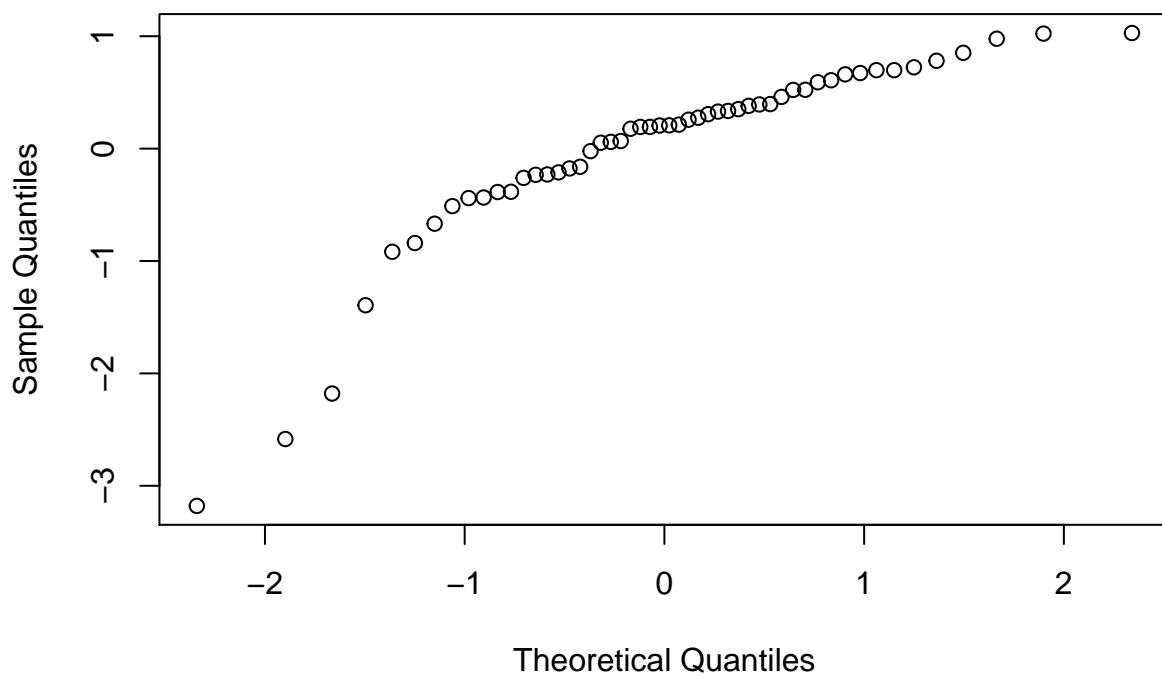
**Plot of nPFO\$orig+  
Plot of nPFO\$origdays.since.MRF  
Plot of nPFO\$origEthnicity**



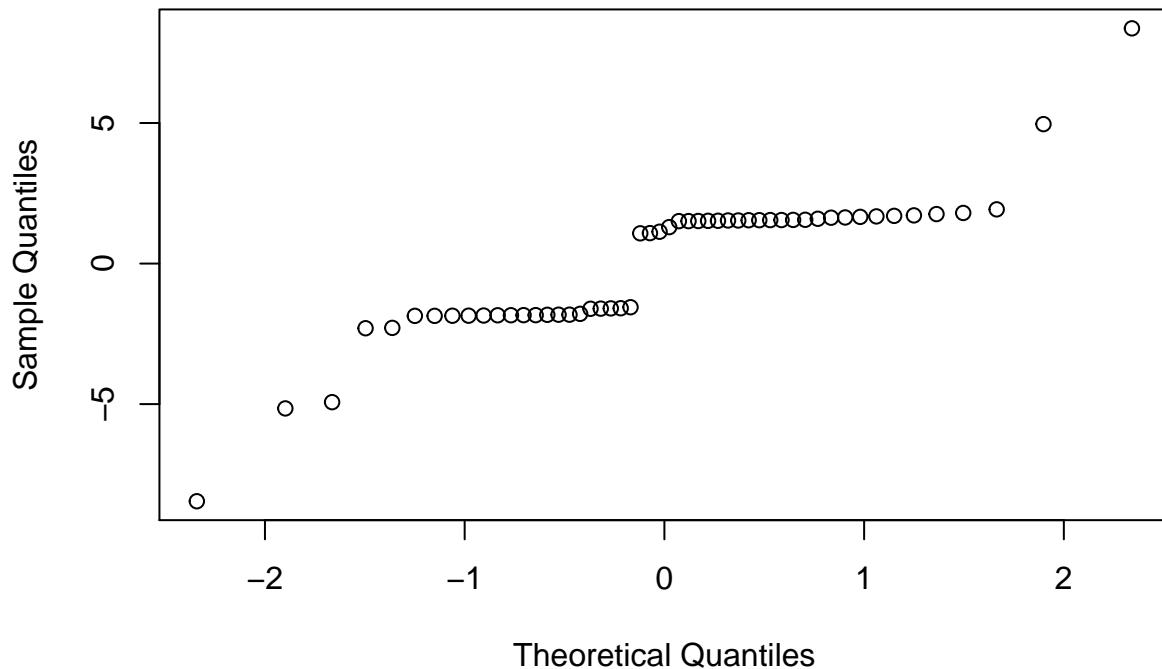
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



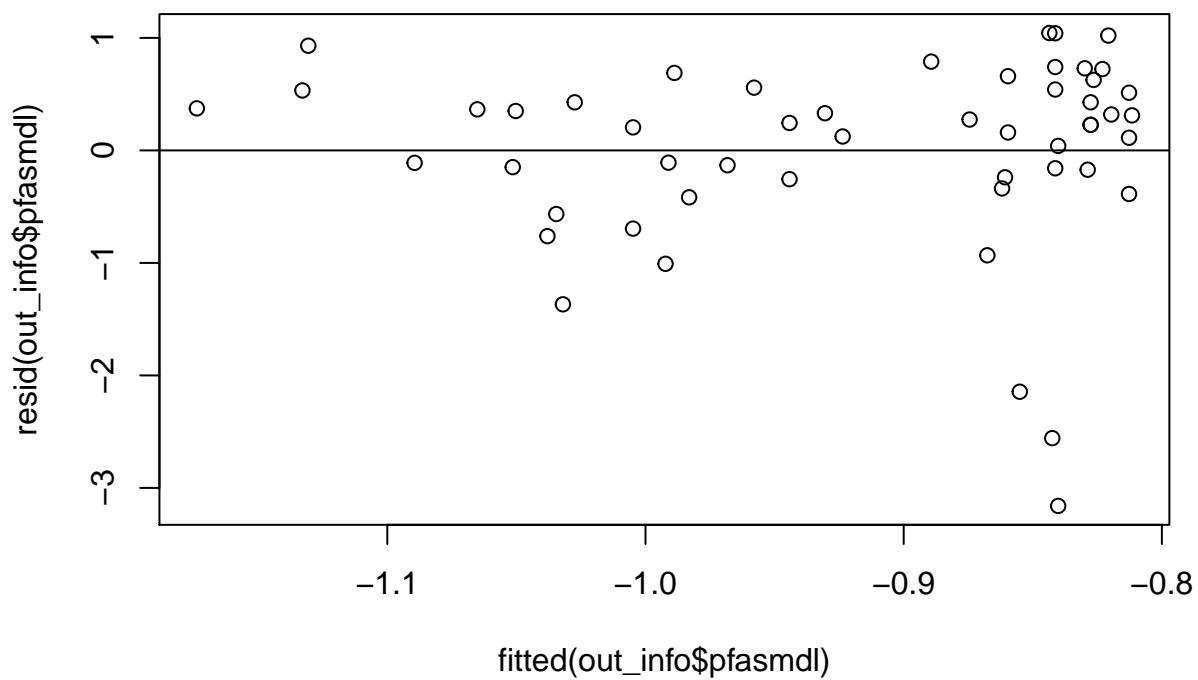
**Normal Q-Q Plot**



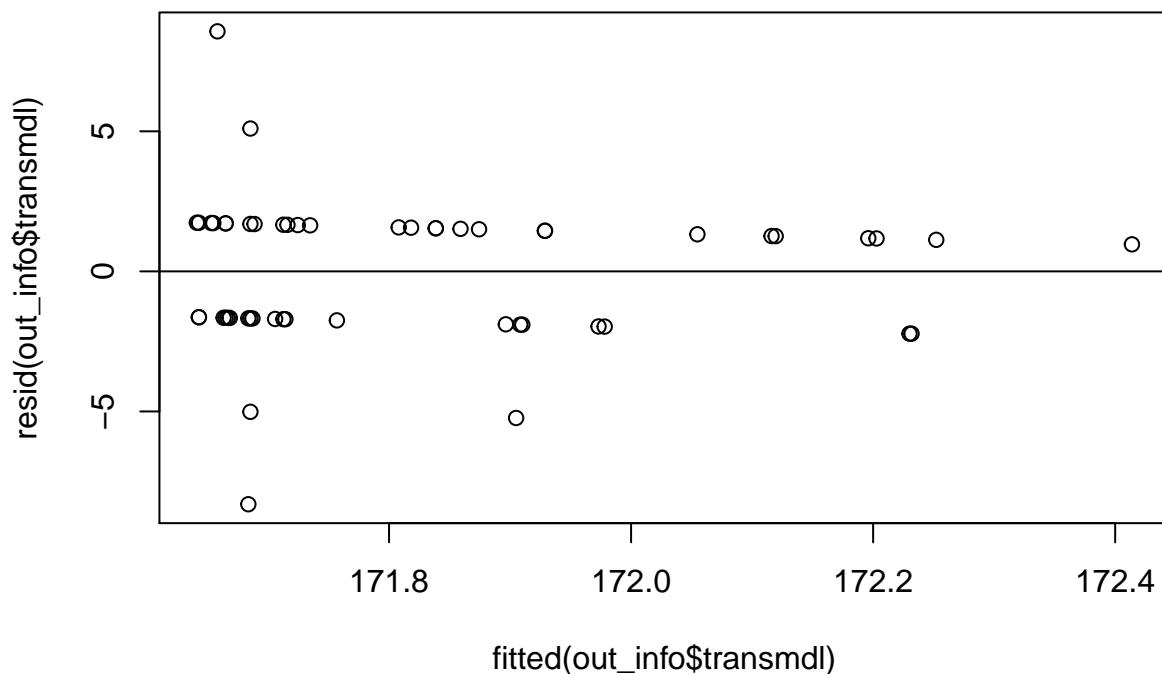
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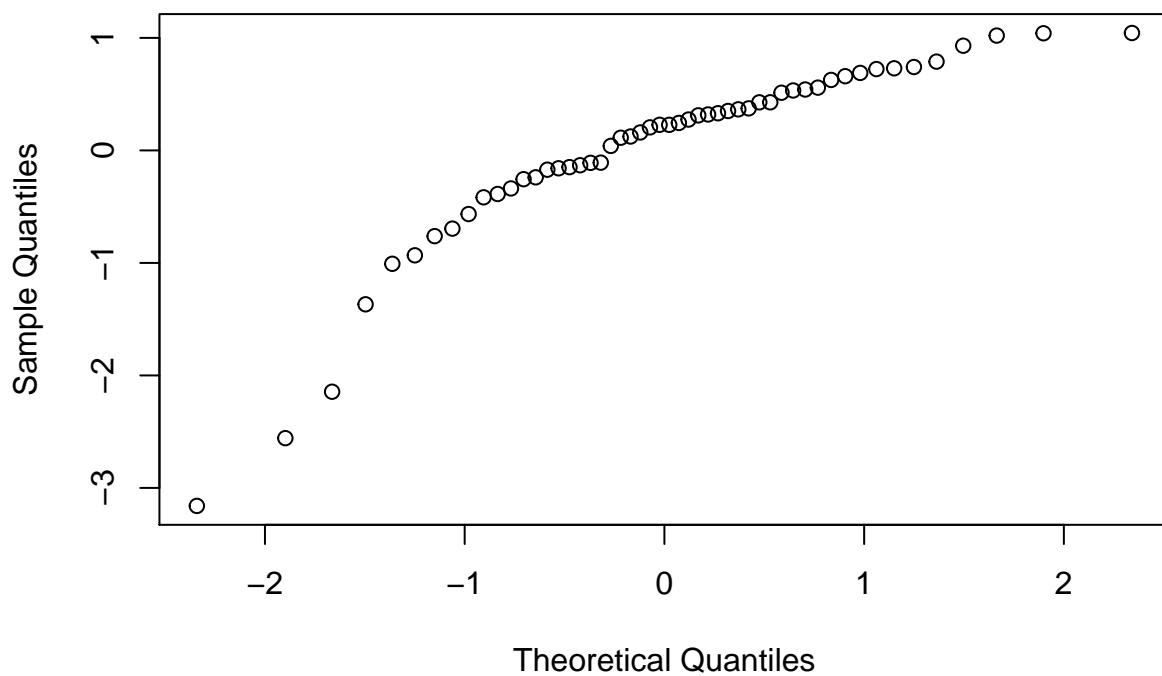
**Plot of nPFO\$orig+  
Plot of nPFO\$origdays.since.struc.MRF  
Plot of nPFO\$origEthnicity**



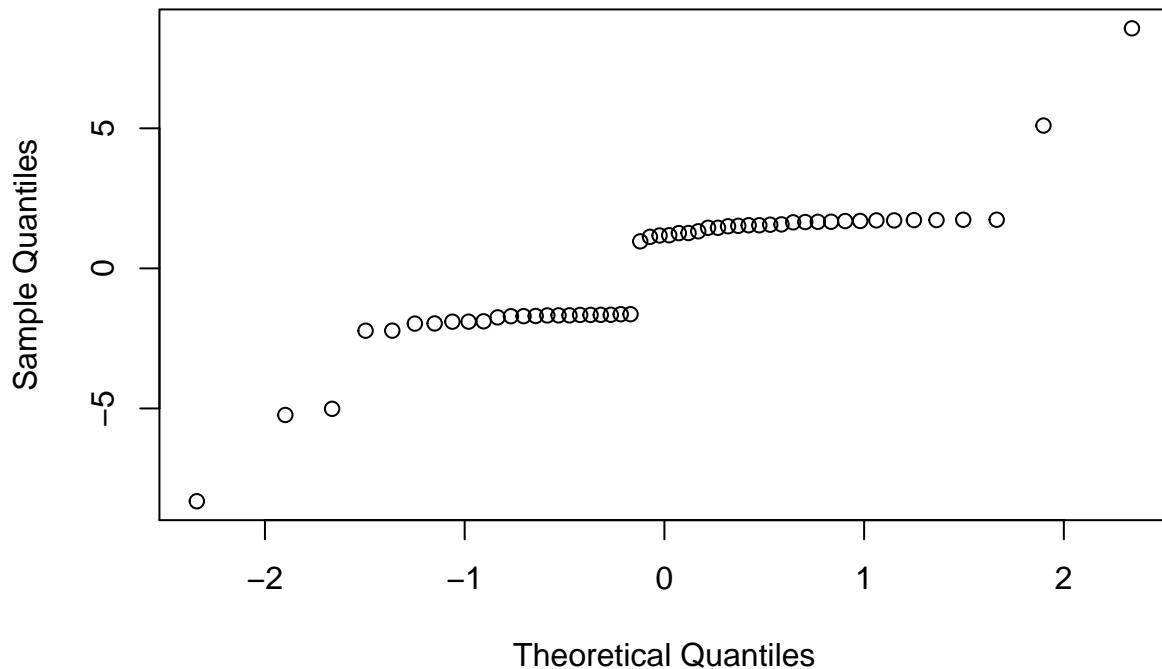
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Plot of PFDEAtransEthnicity**



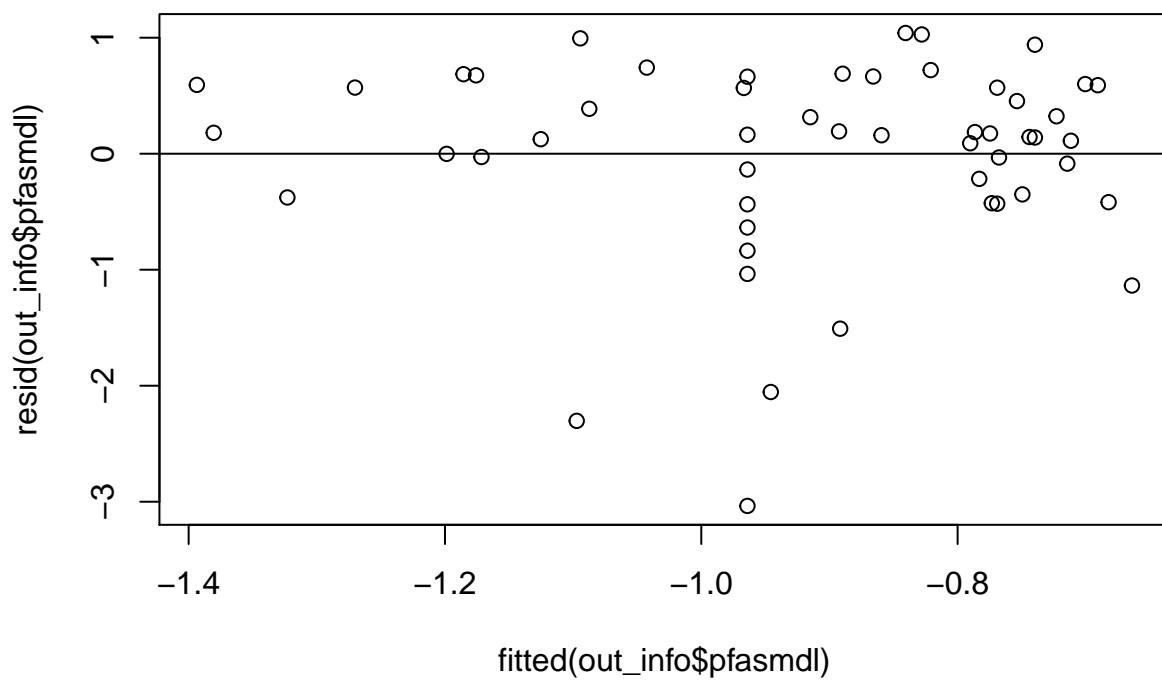
**Normal Q-Q Plot**



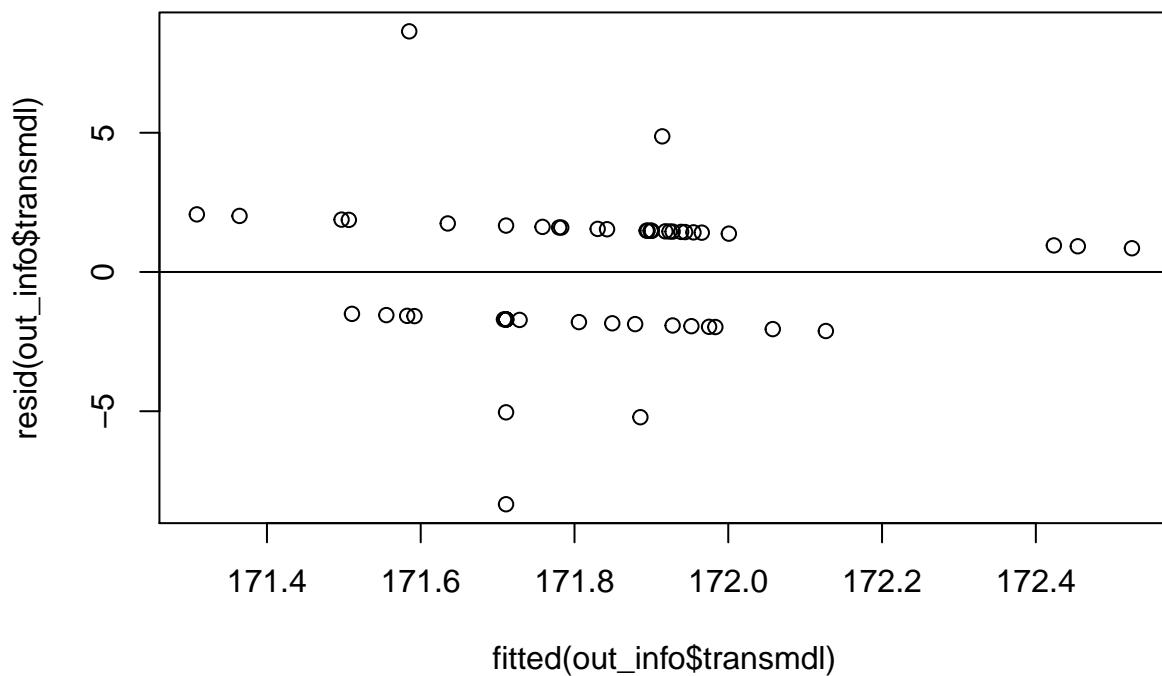
### Normal Q-Q Plot



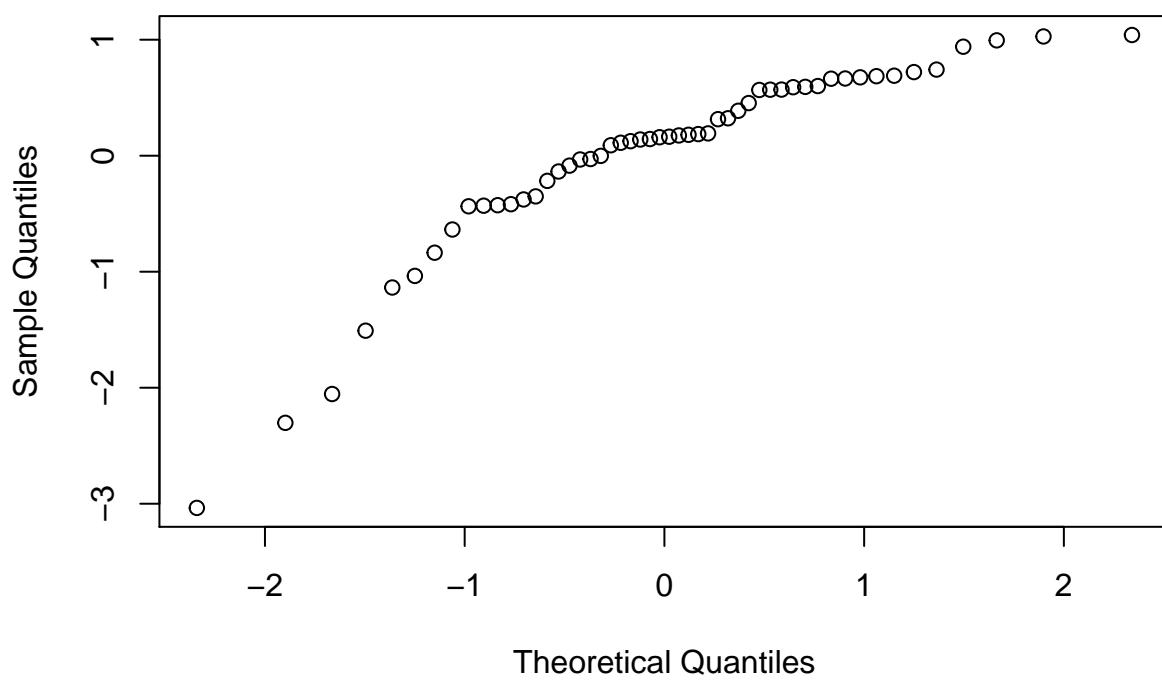
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



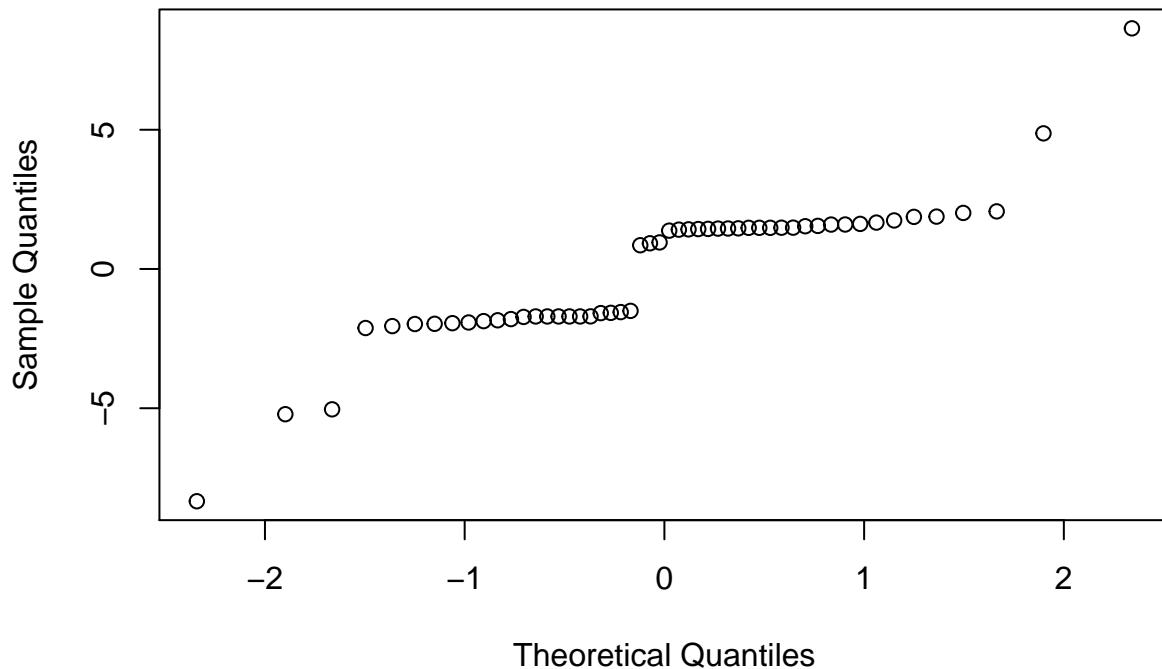
**Plot of PFDEAtrans+  
Plot of PFDEAtranstime.since.baseline  
Plot of PFDEAtransEthnicity**



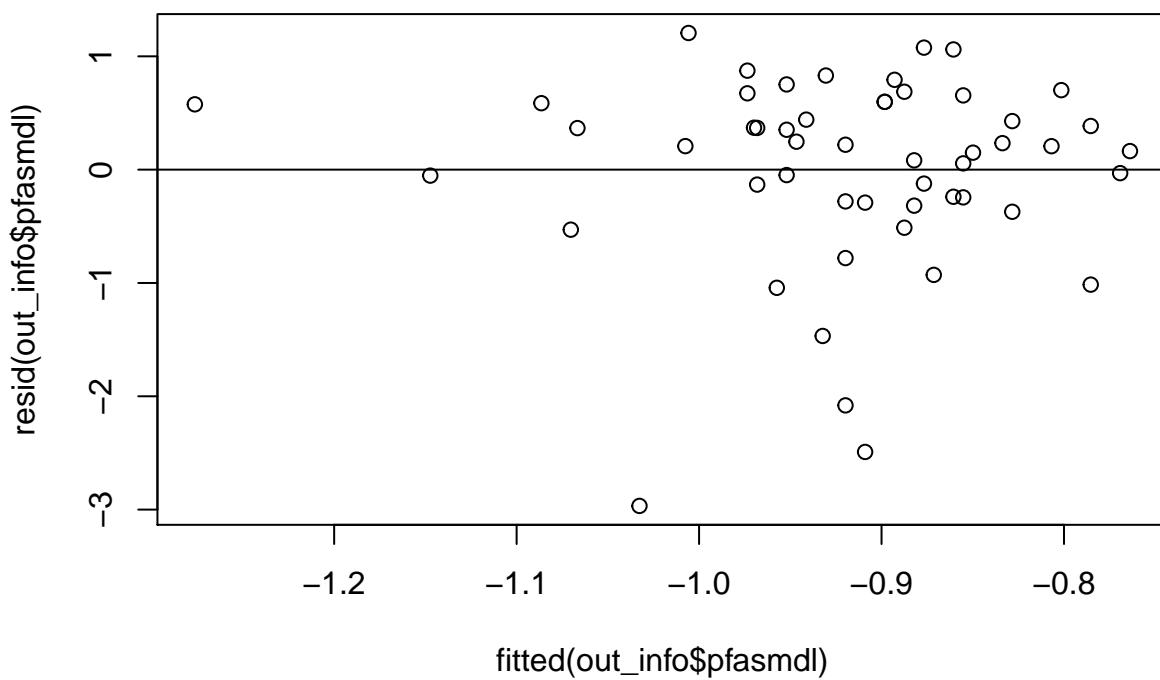
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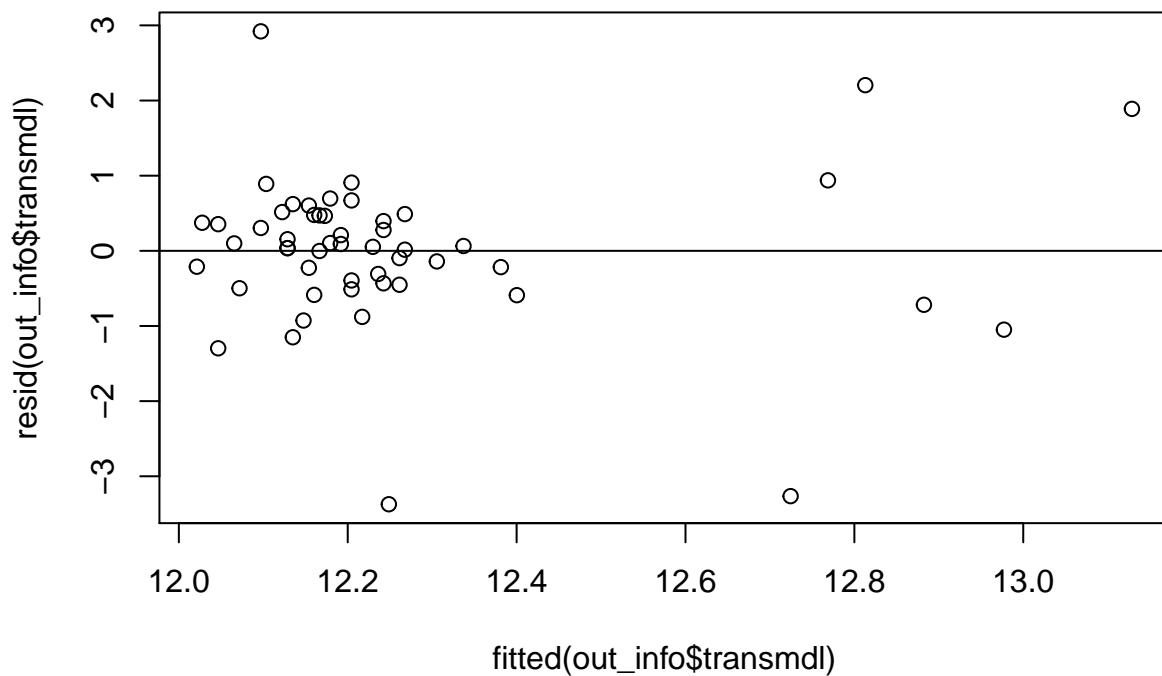
### Normal Q-Q Plot



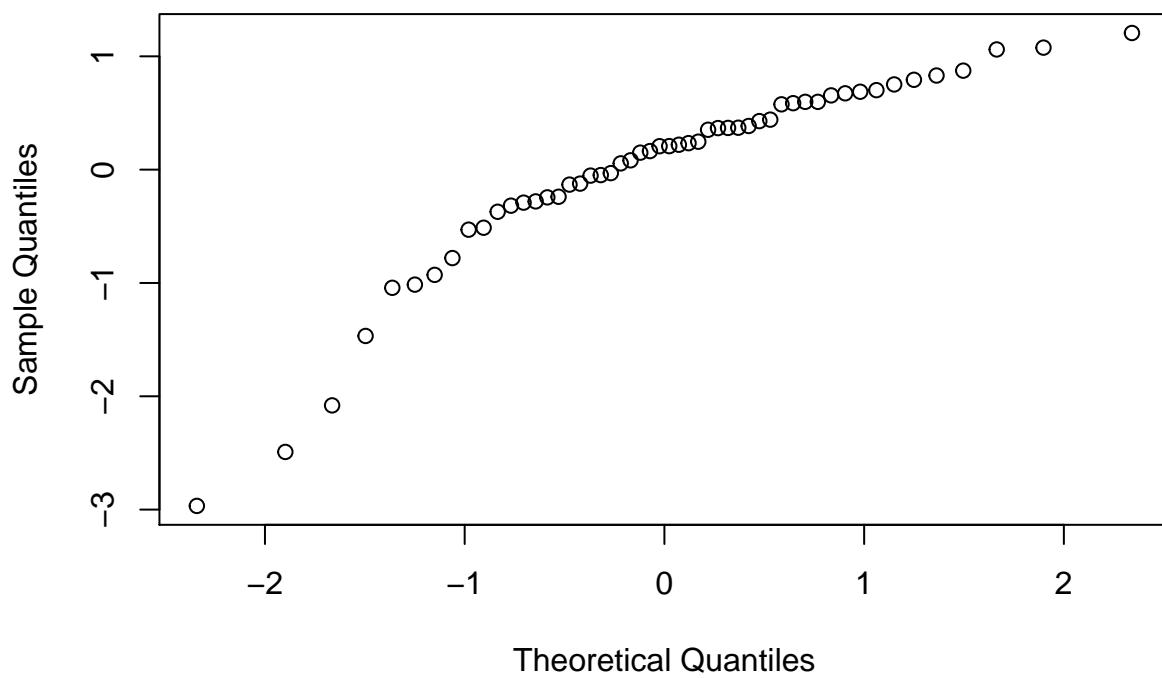
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$origEthnicity**



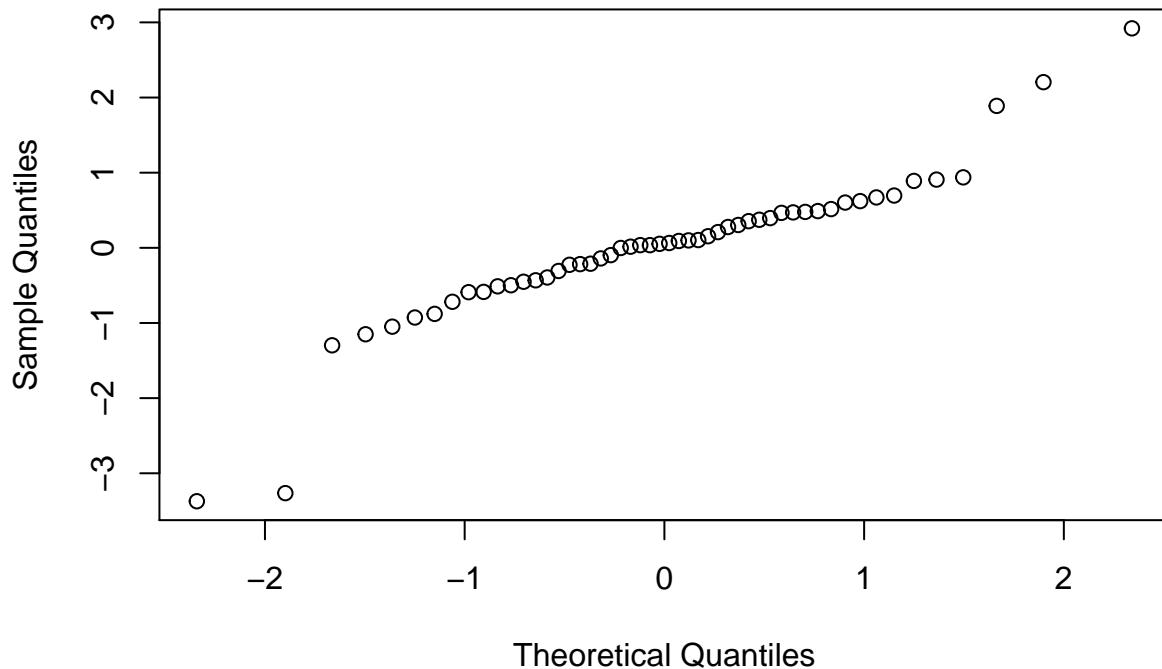
**Plot of PFHXStrans+  
Plot of PFHXStran total.num.fireruns  
Plot of PFHXStransEthnicity**



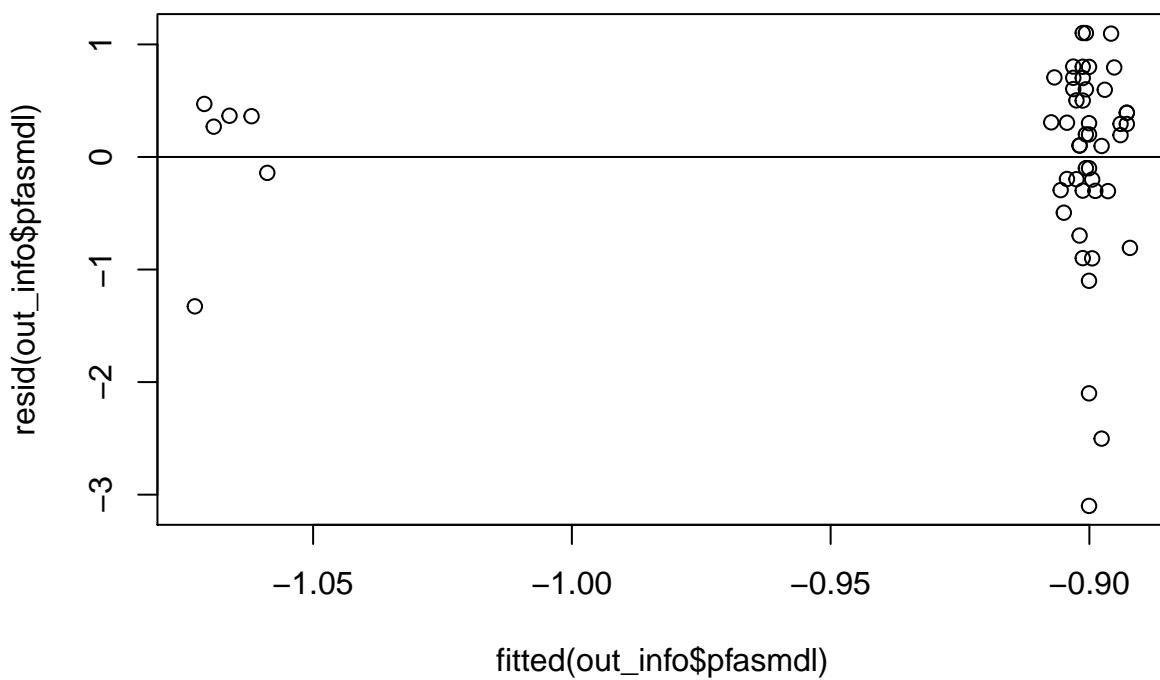
**Normal Q-Q Plot**



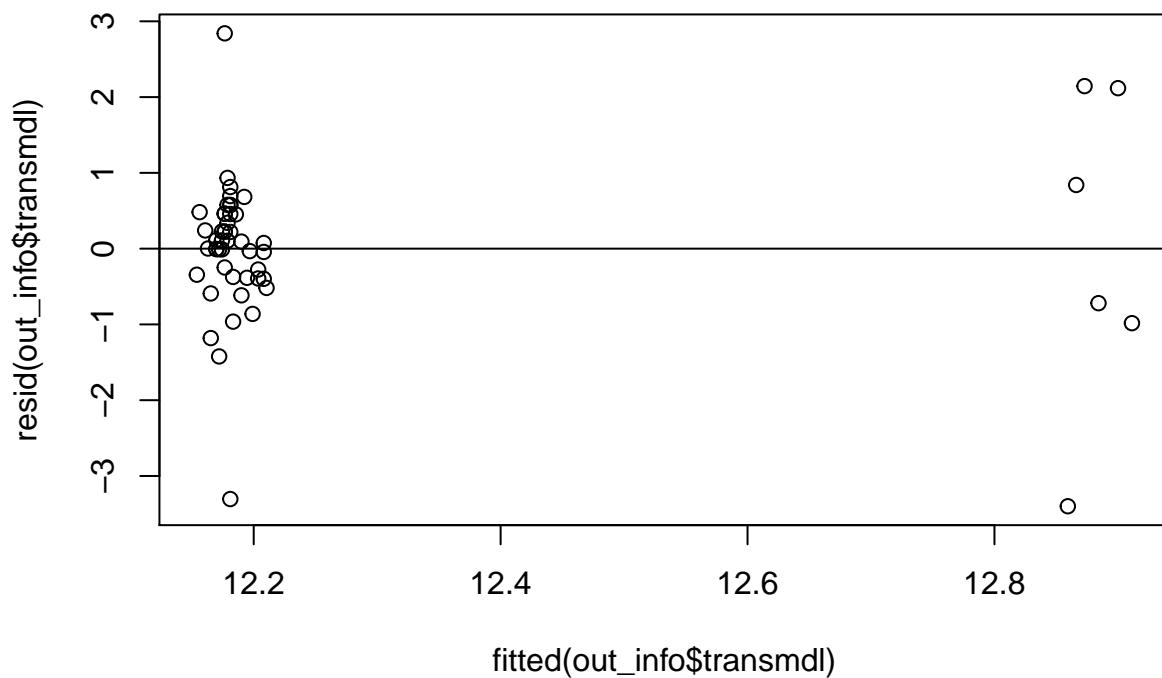
### Normal Q-Q Plot



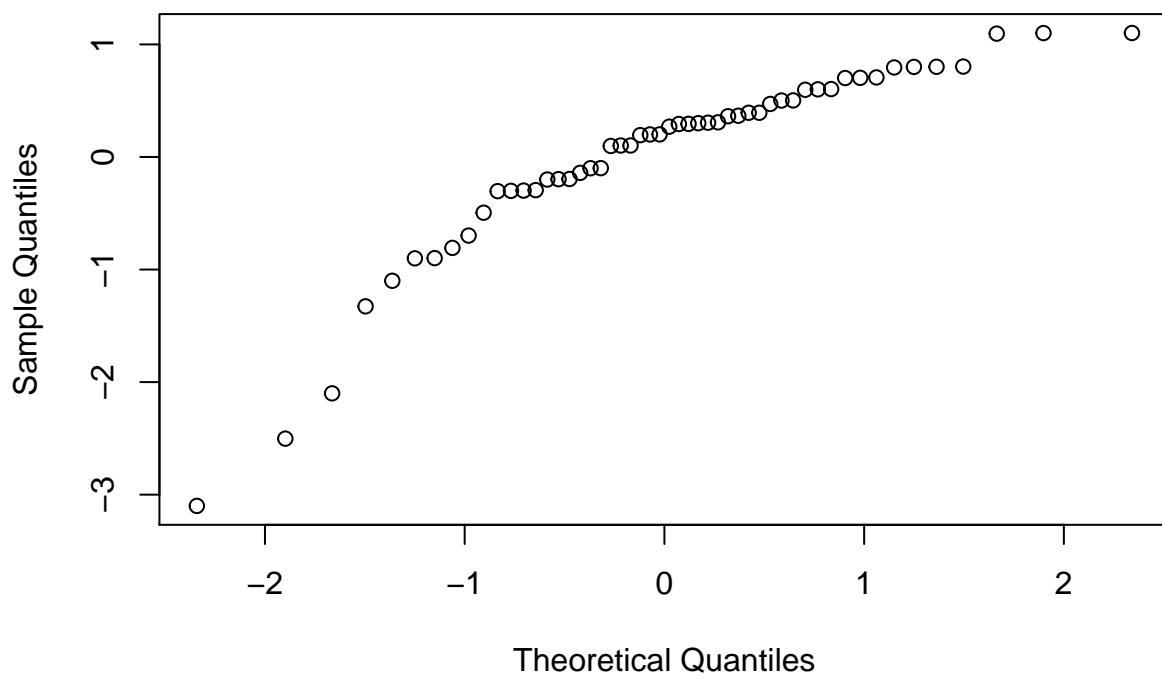
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Plot of nPFO\$origstr.num.fireruns  
Plot of nPFO\$origEthnicity**



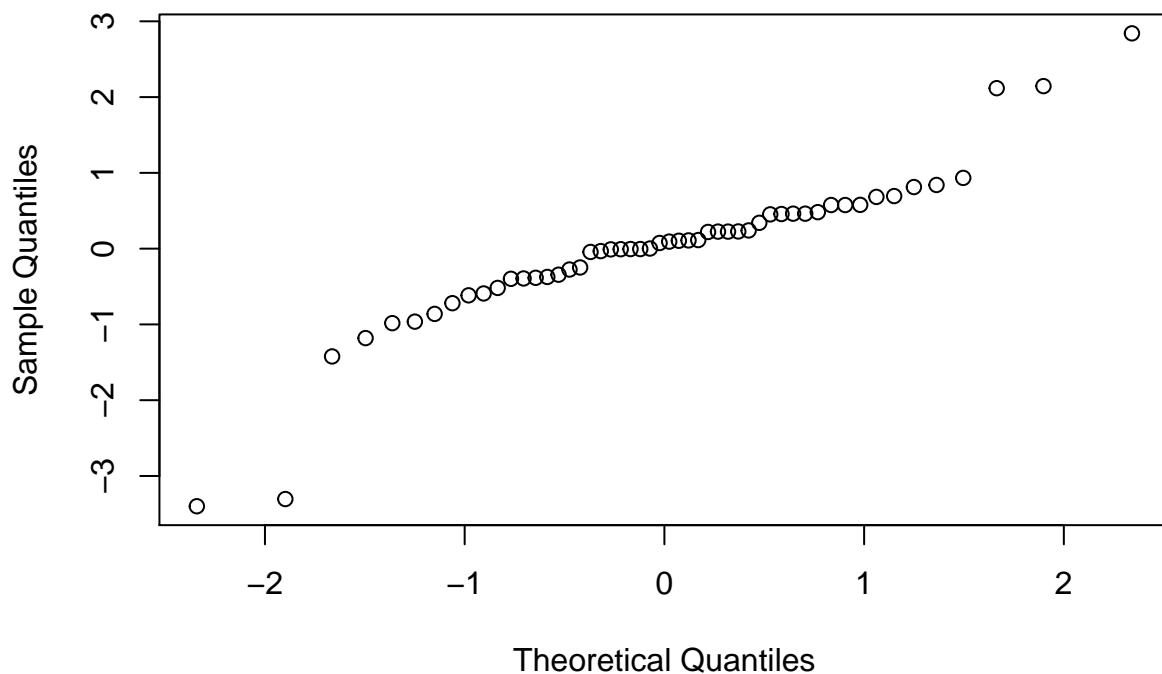
**Plot of PFHXStrans+  
Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



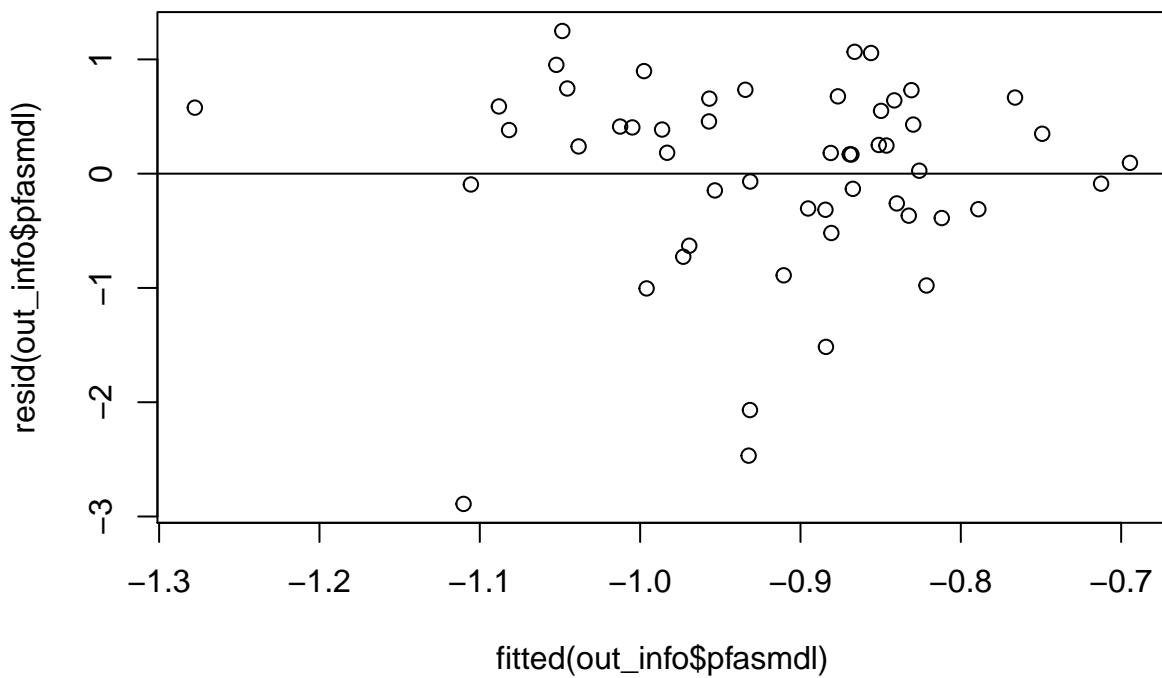
**Normal Q-Q Plot**



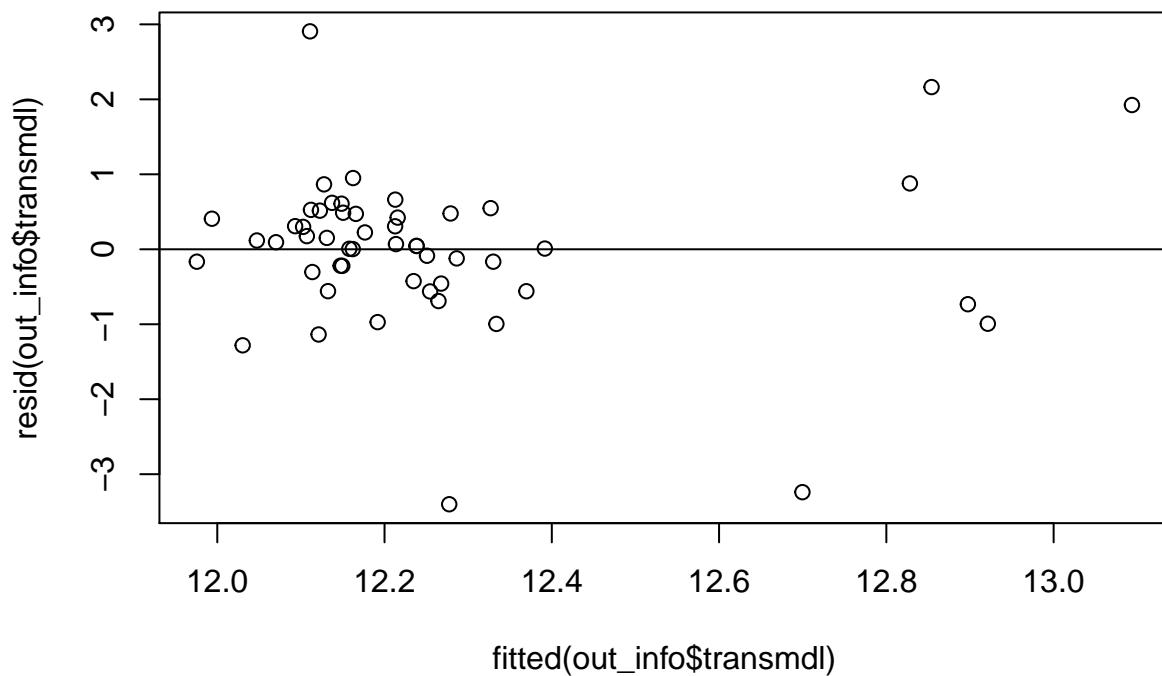
### Normal Q-Q Plot



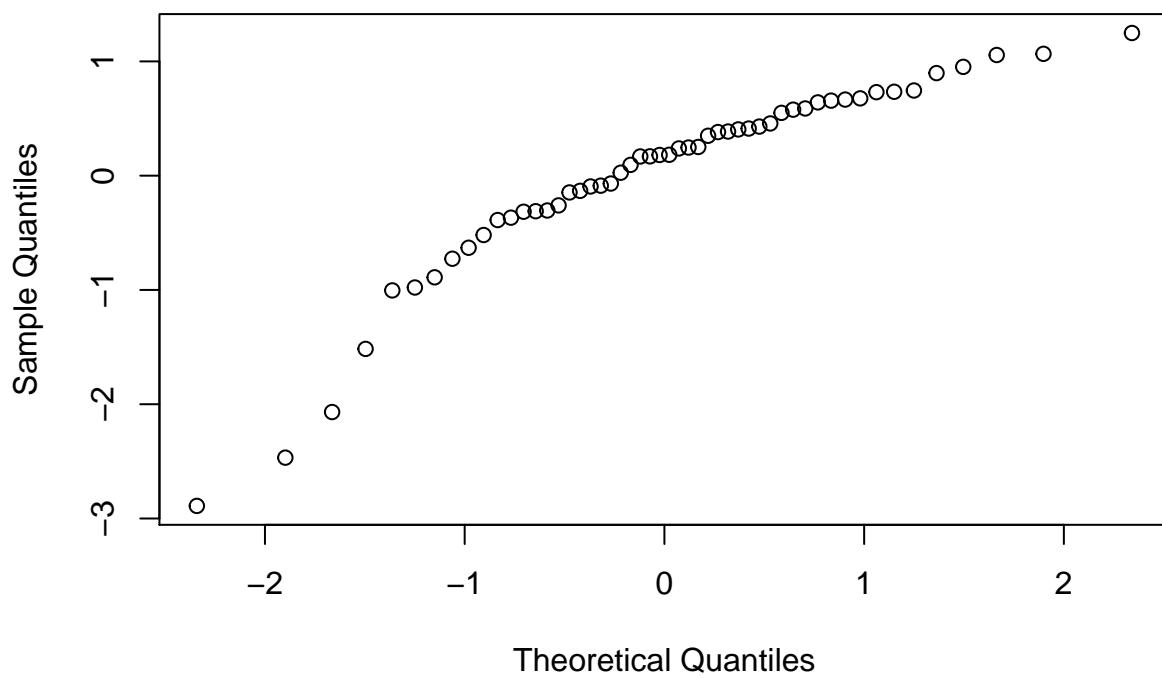
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**



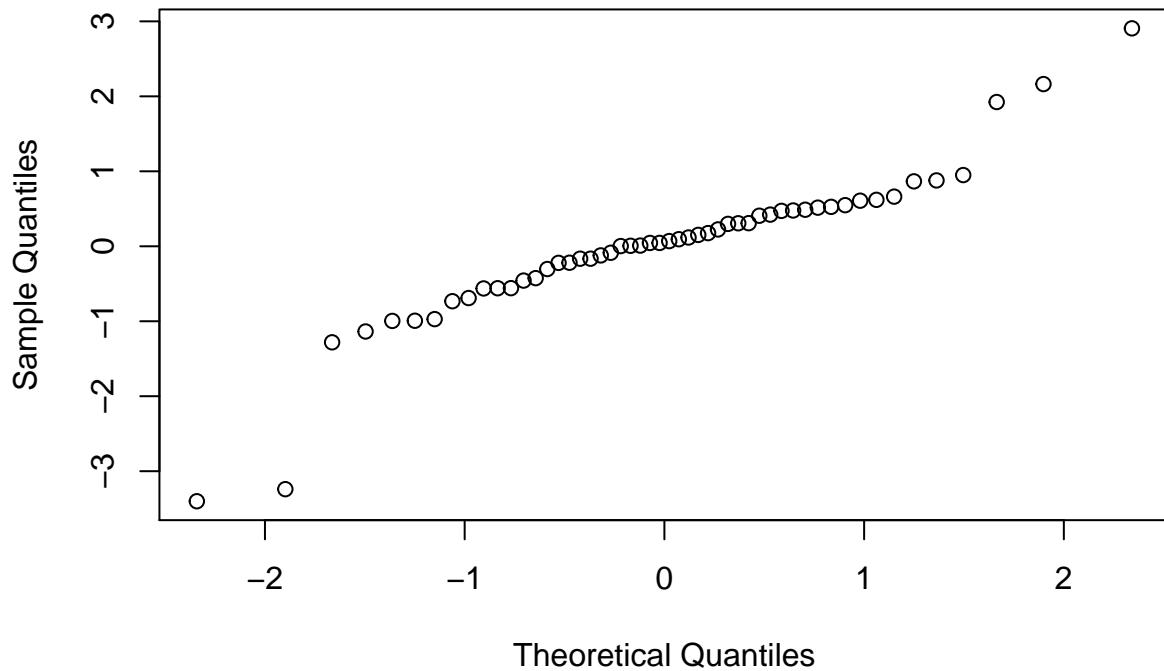
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



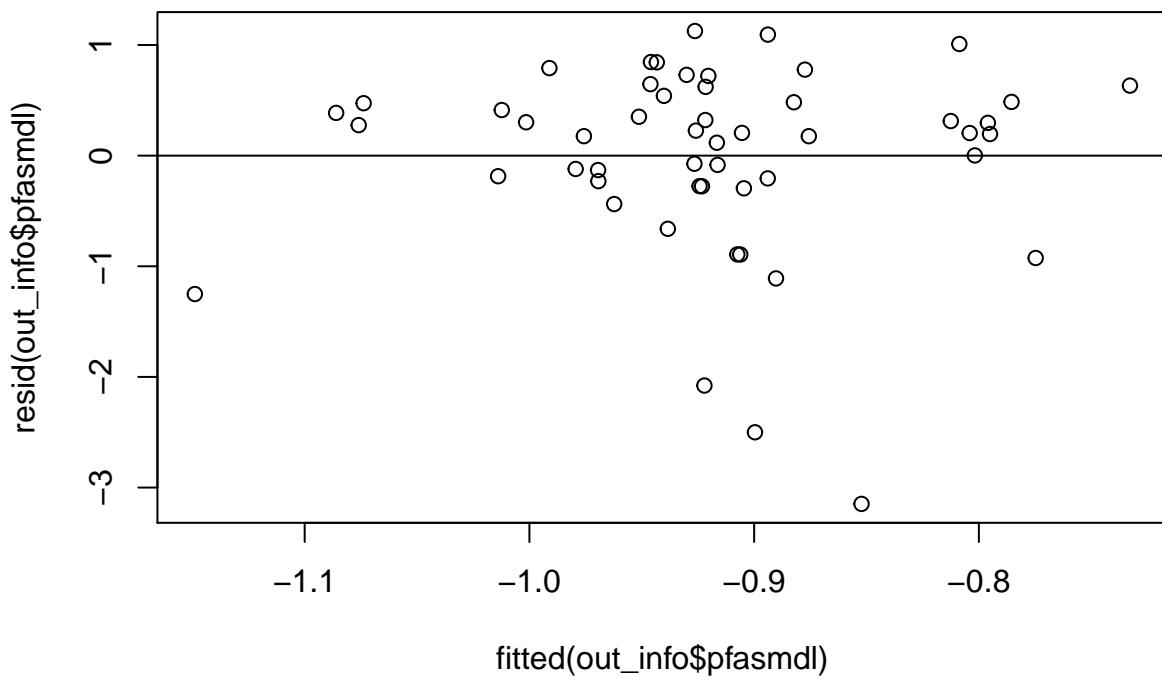
**Normal Q-Q Plot**



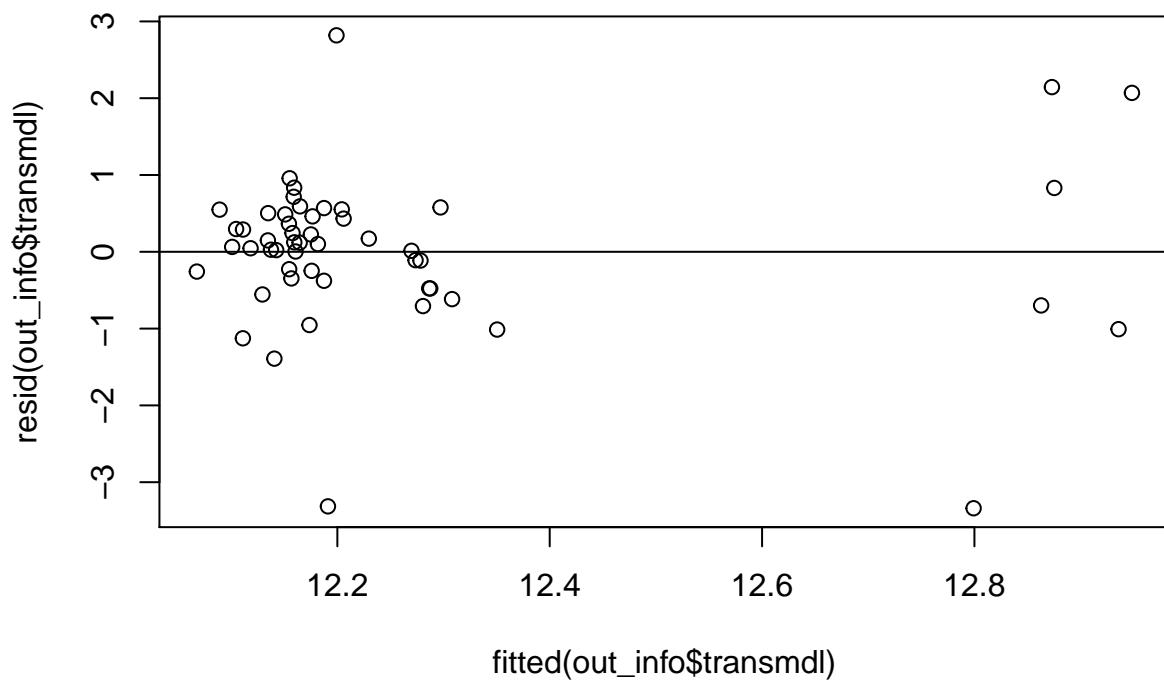
### Normal Q-Q Plot



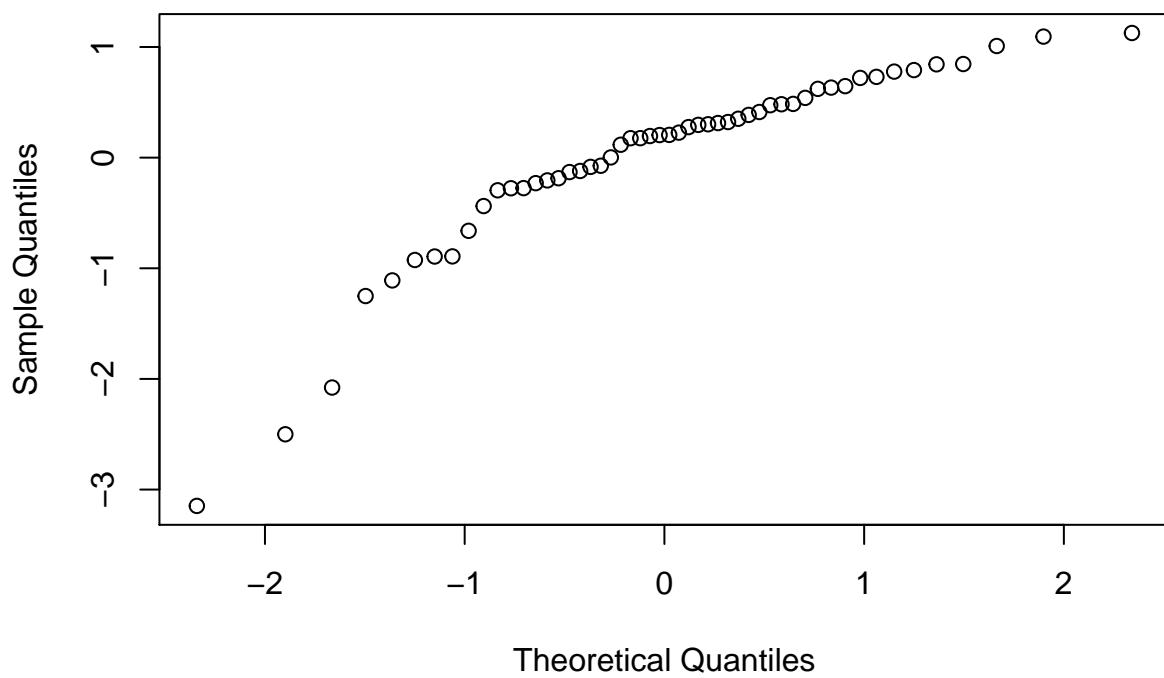
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.duration.hrs  
Plot of nPFO\$origEthnicity**



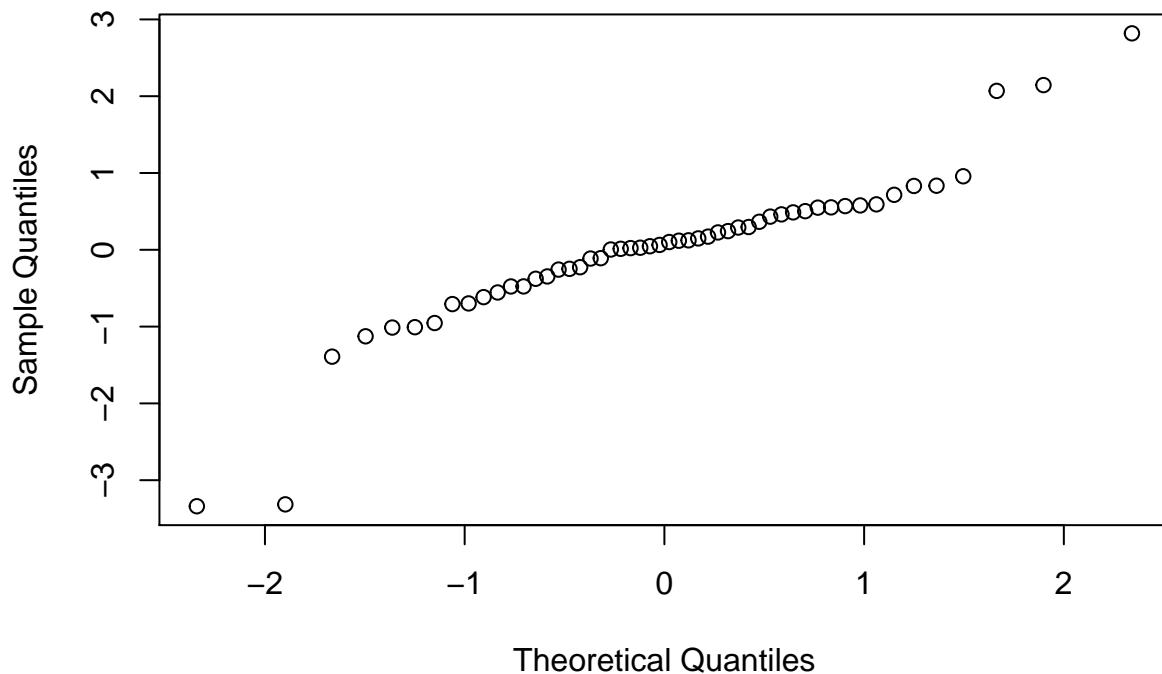
**Plot of PFHXStrans+  
Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



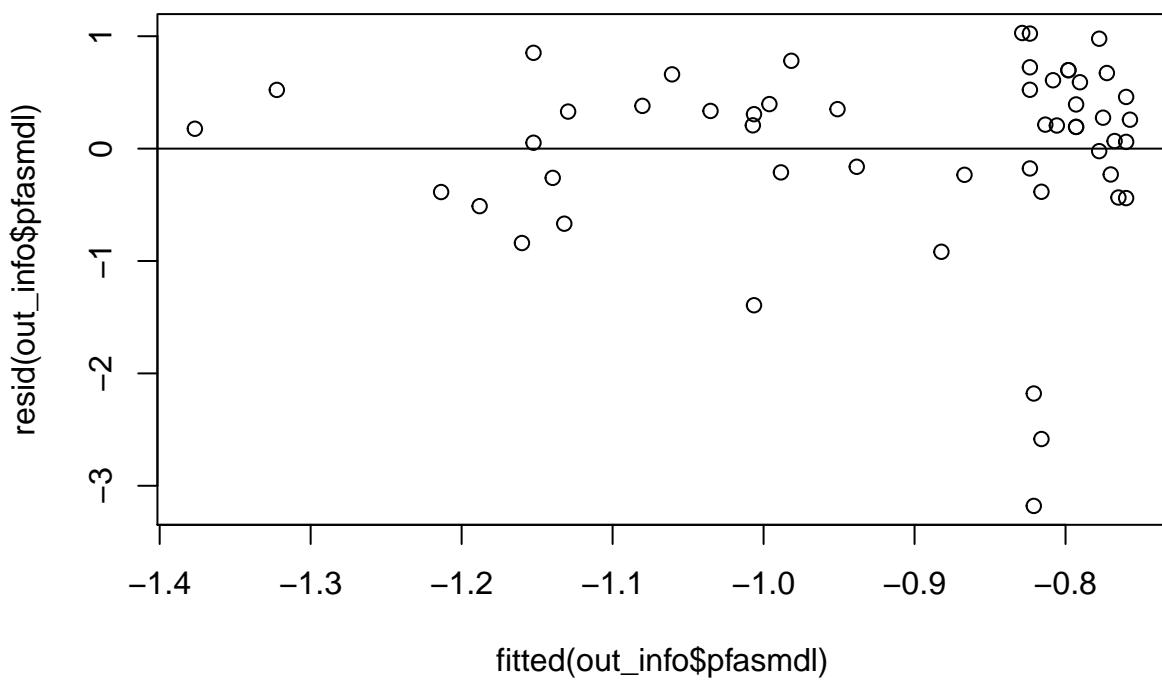
**Normal Q-Q Plot**



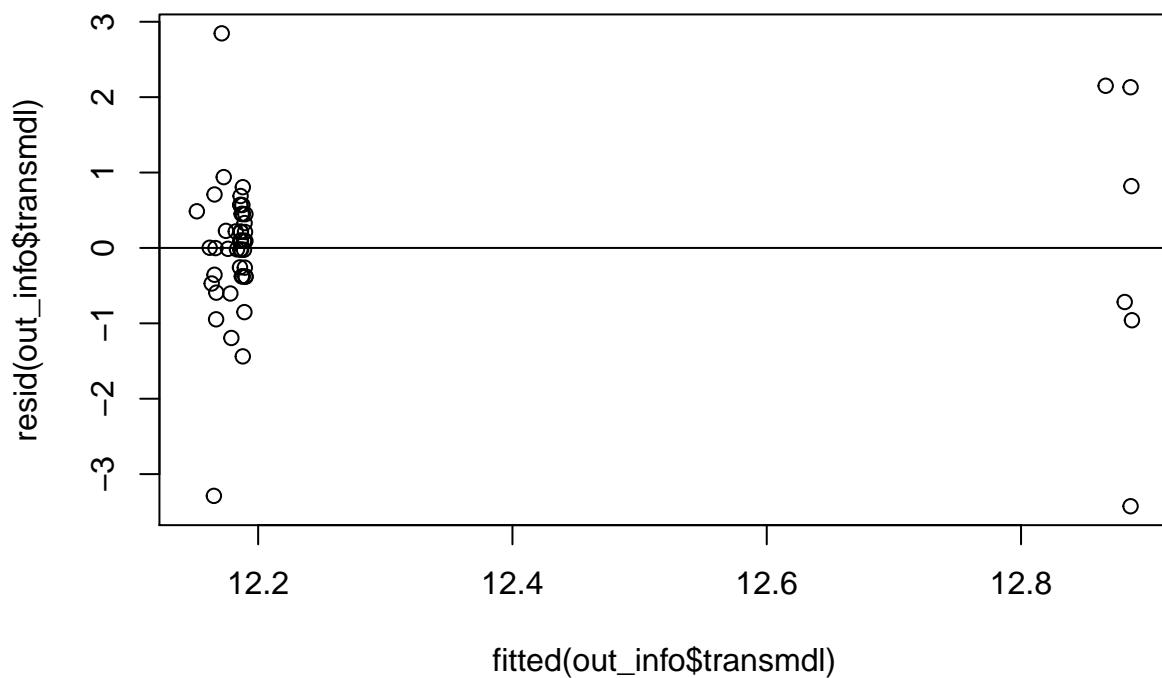
### Normal Q-Q Plot



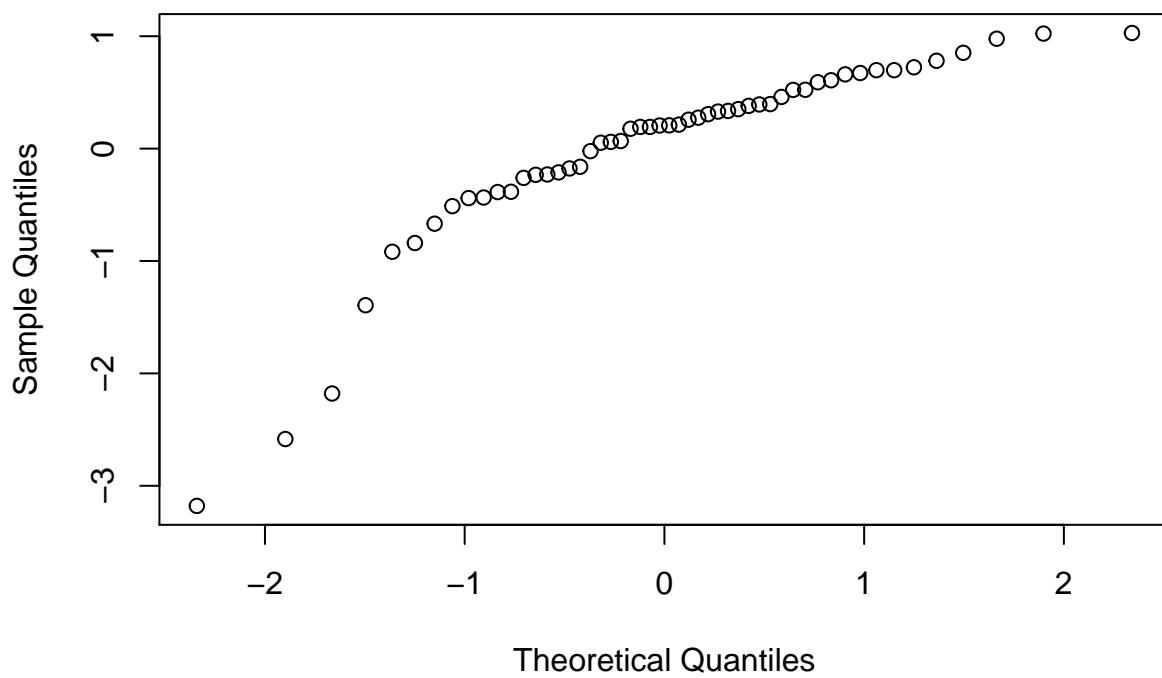
**Plot of nPFO\$orig+  
Plot of nPFO\$origdays.since.MRF  
Plot of nPFO\$origEthnicity**



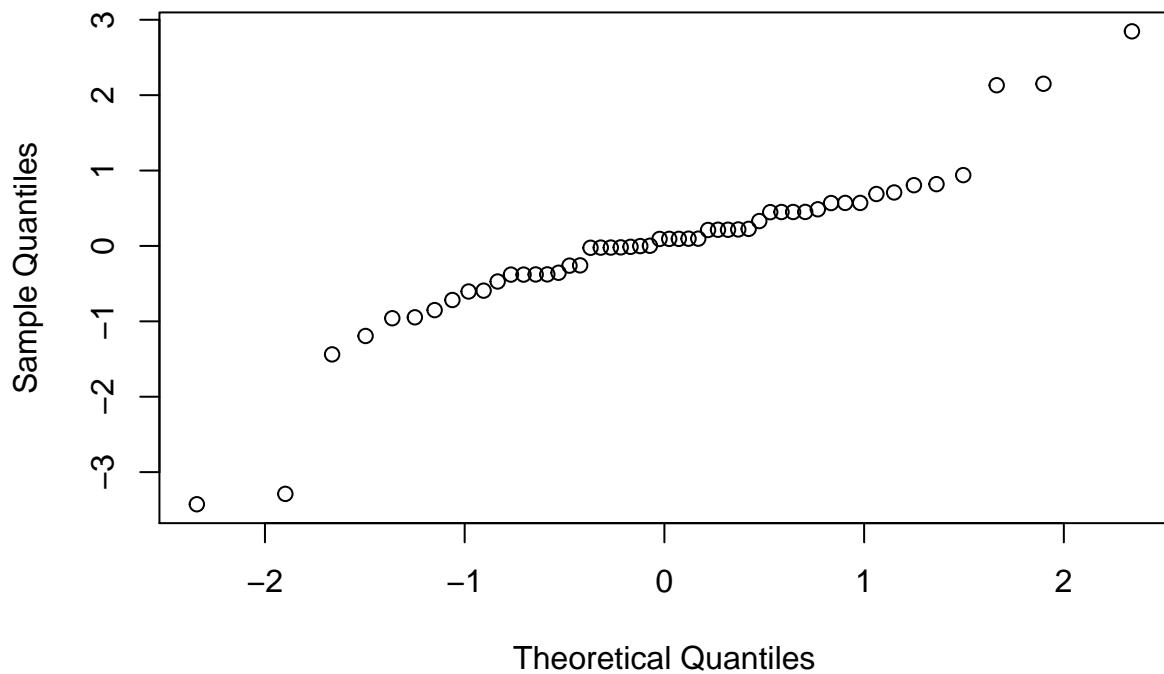
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



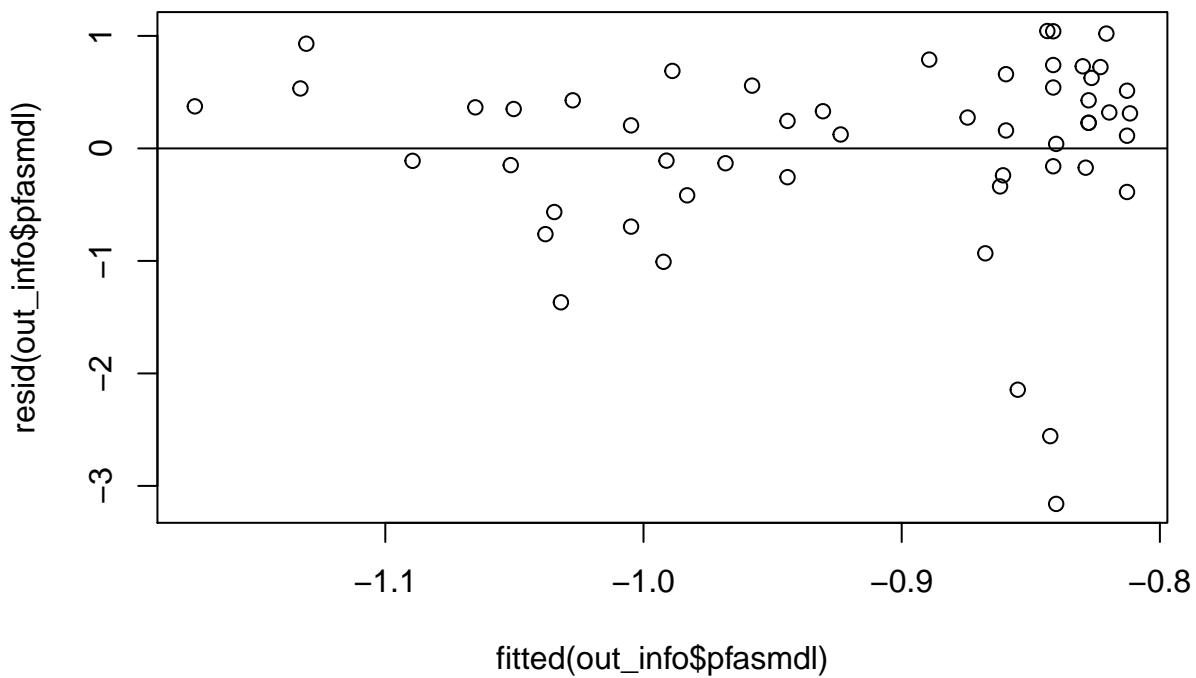
**Normal Q-Q Plot**



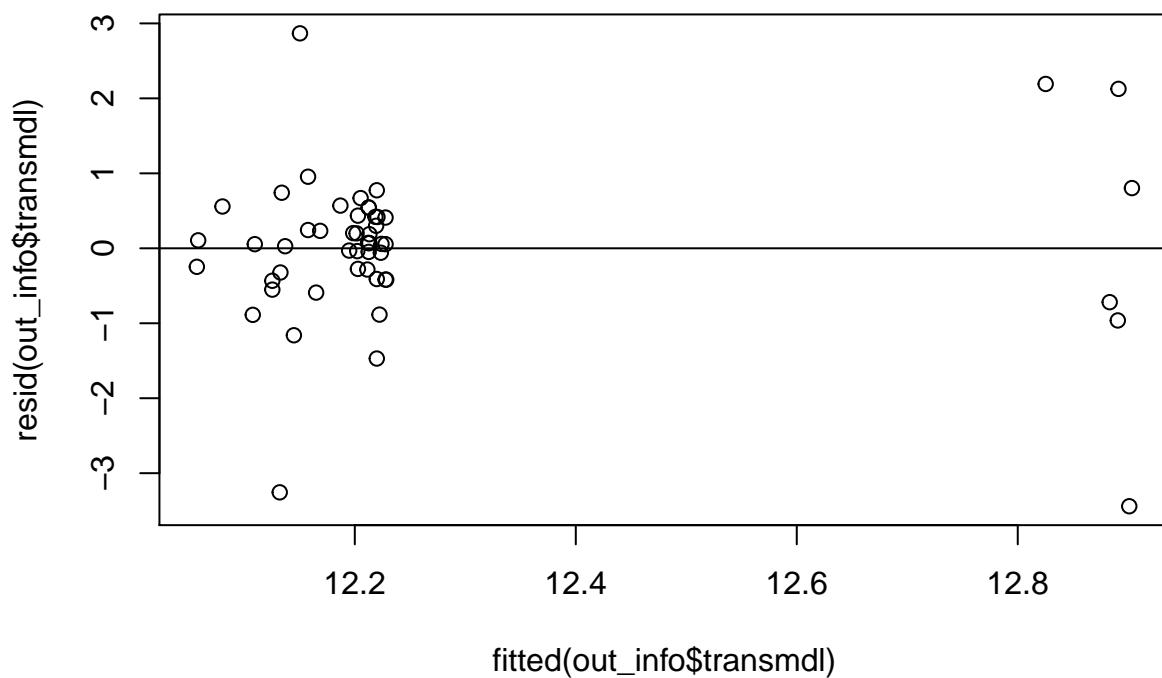
### Normal Q-Q Plot



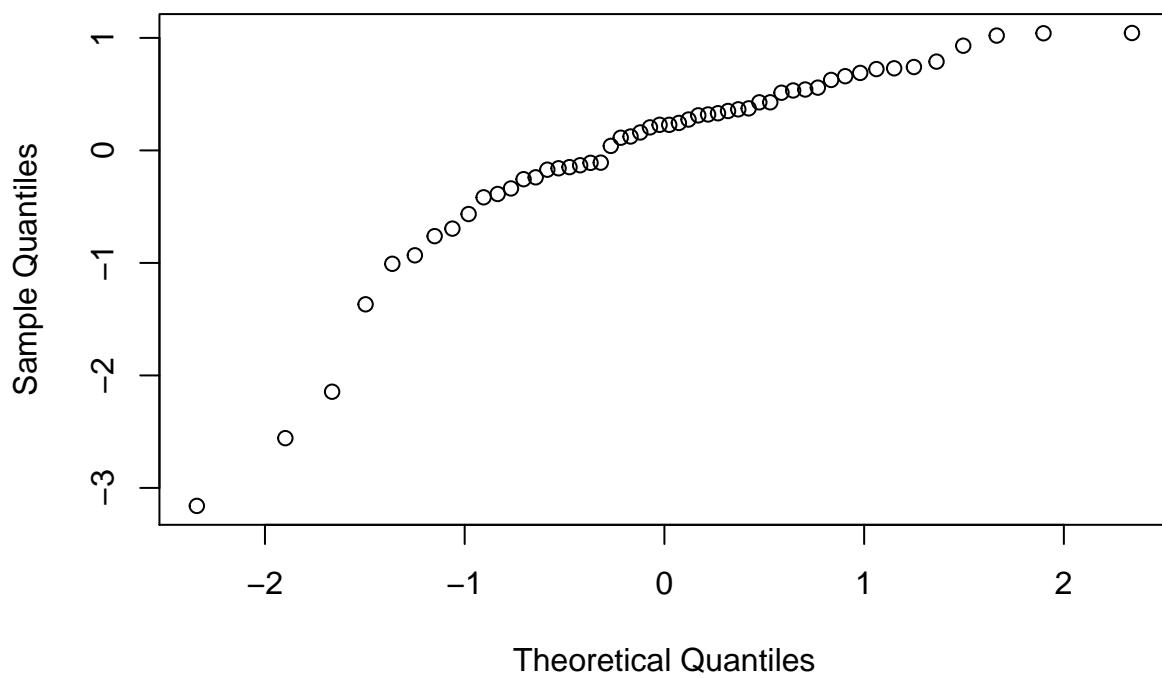
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Plot of nPFO\$origdays.since.struc.MRF  
Plot of nPFO\$origEthnicity**



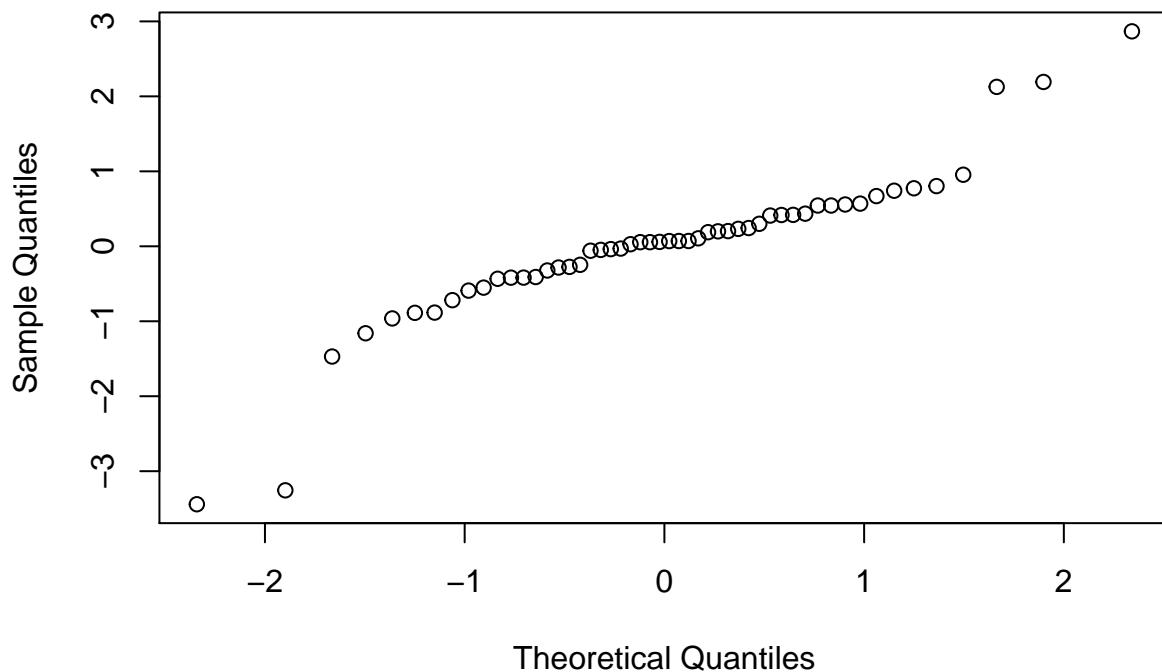
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.struc.MRF  
Plot of PFHXStransEthnicity**



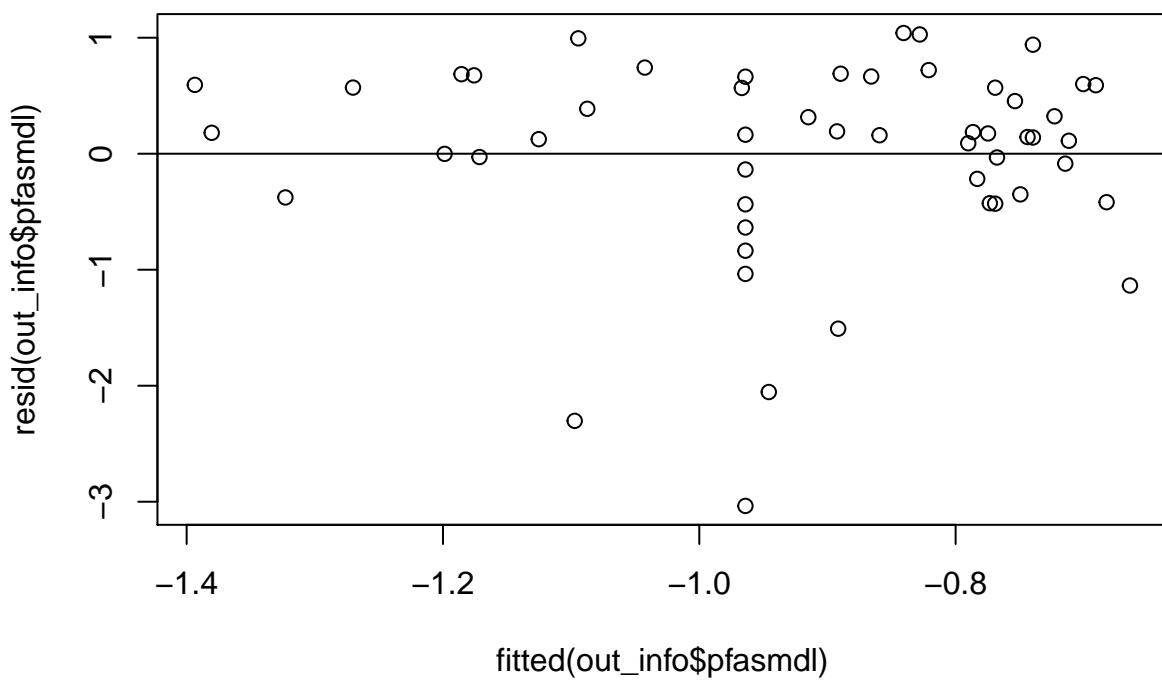
**Normal Q-Q Plot**



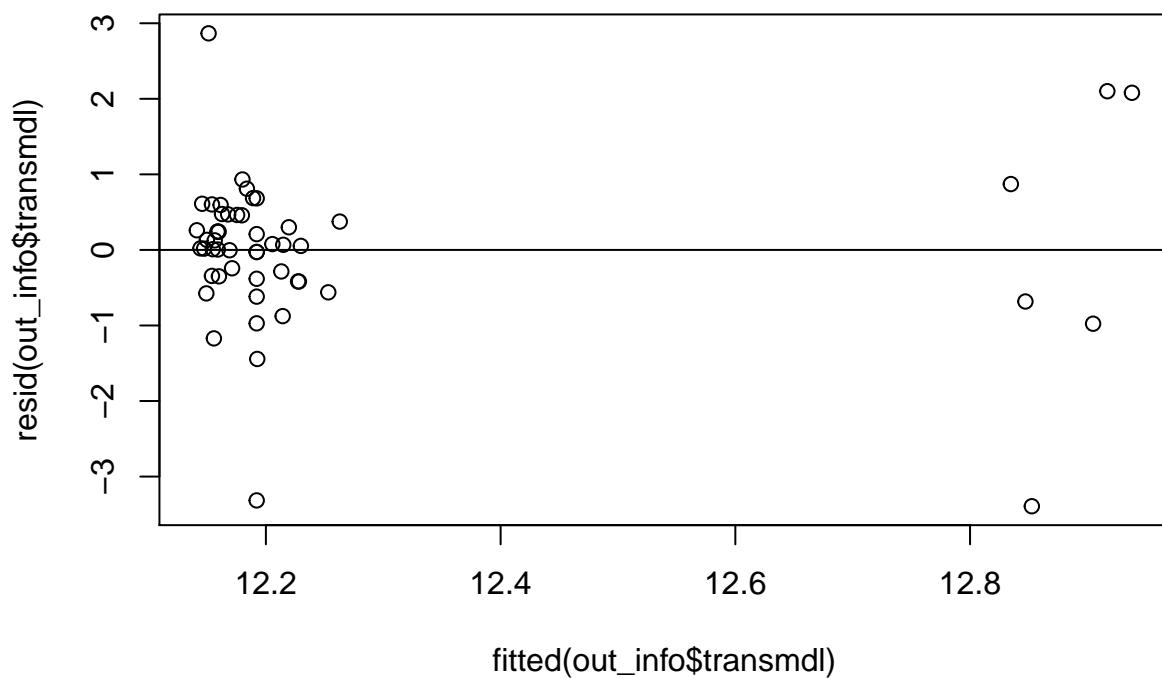
### Normal Q-Q Plot



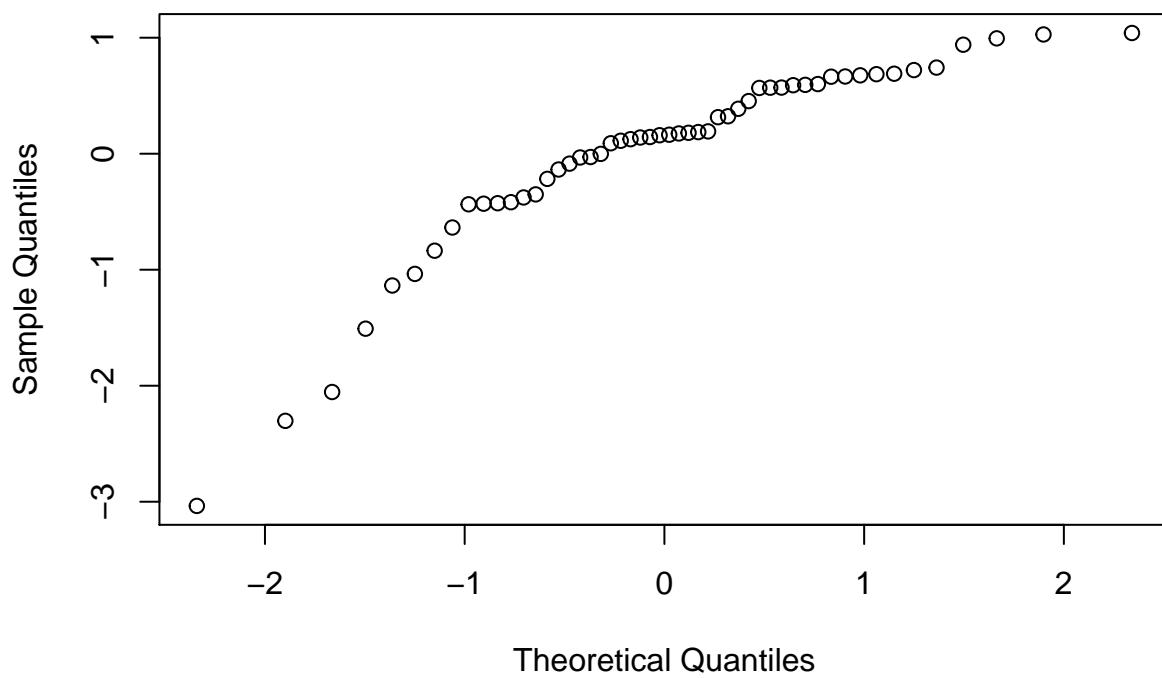
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



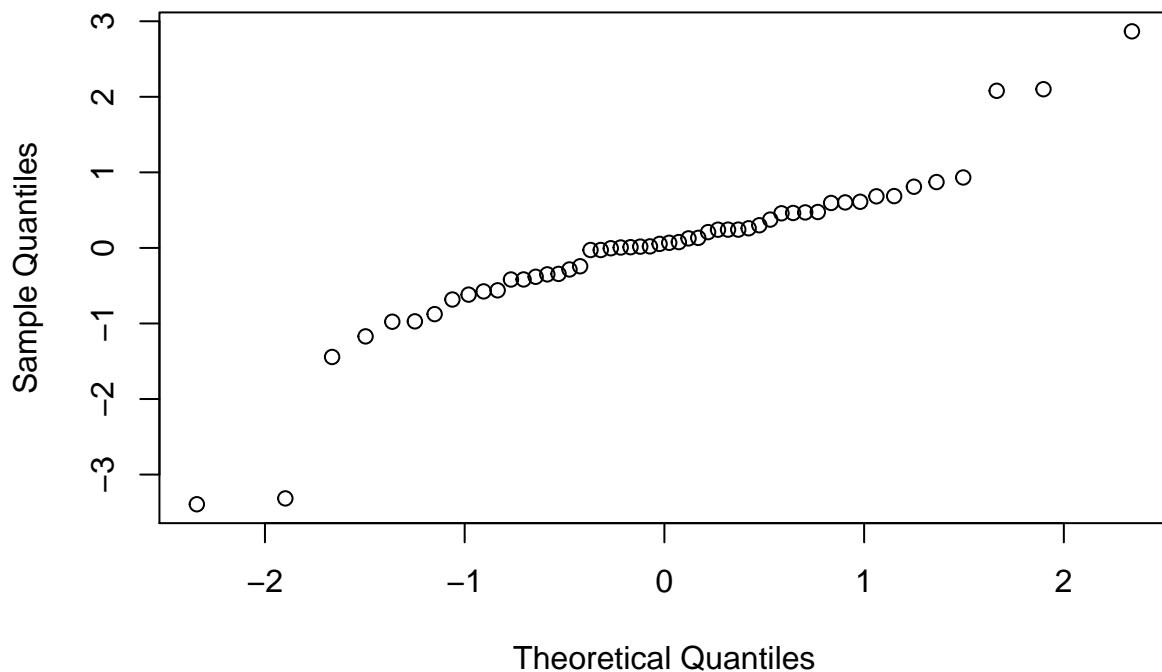
**Plot of PFHXStrans+  
Plot of PFHXStranstime.since.baseline  
Plot of PFHXStransEthnicity**



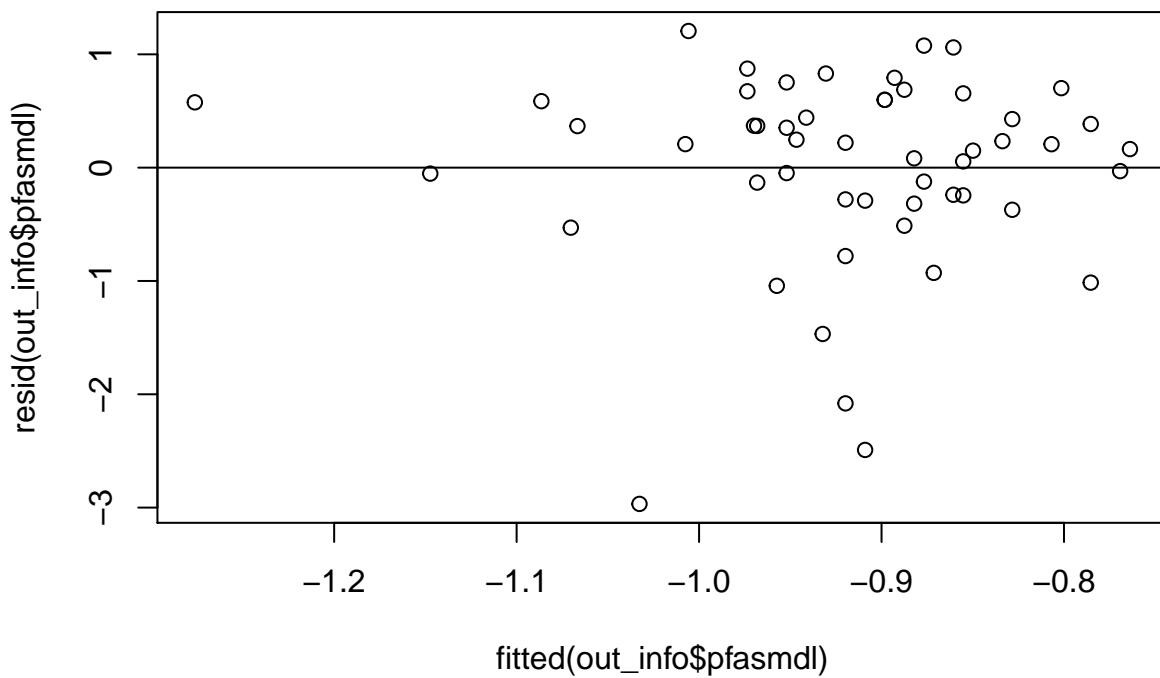
**Normal Q-Q Plot**



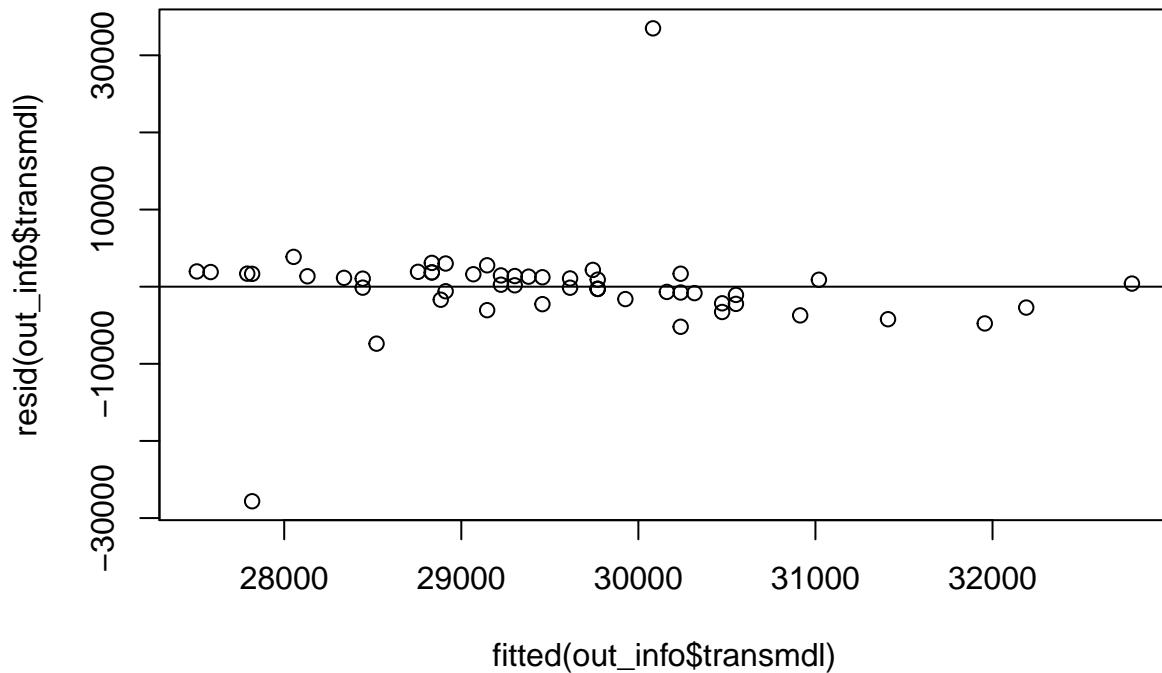
### Normal Q-Q Plot



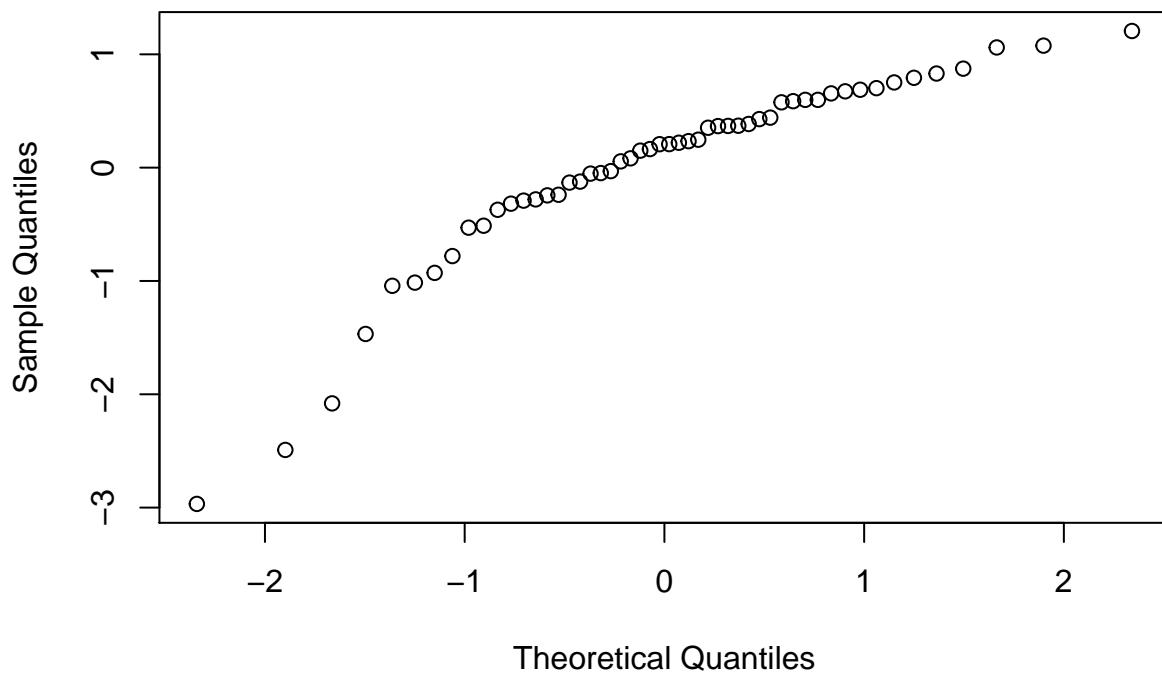
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$origEthnicity**



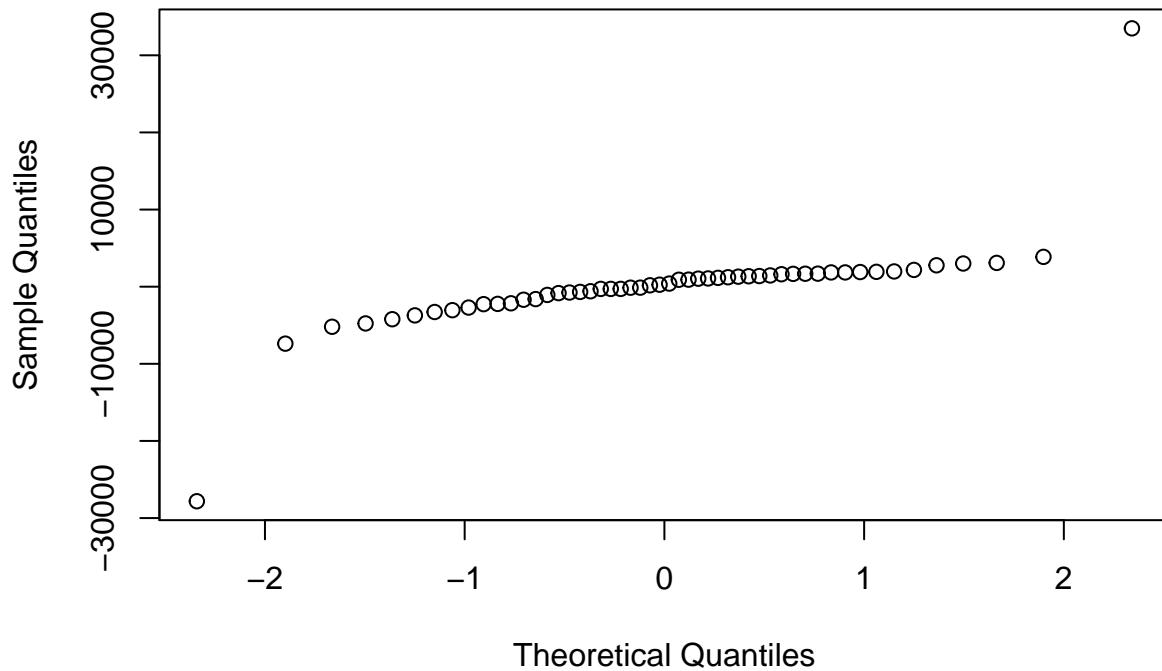
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



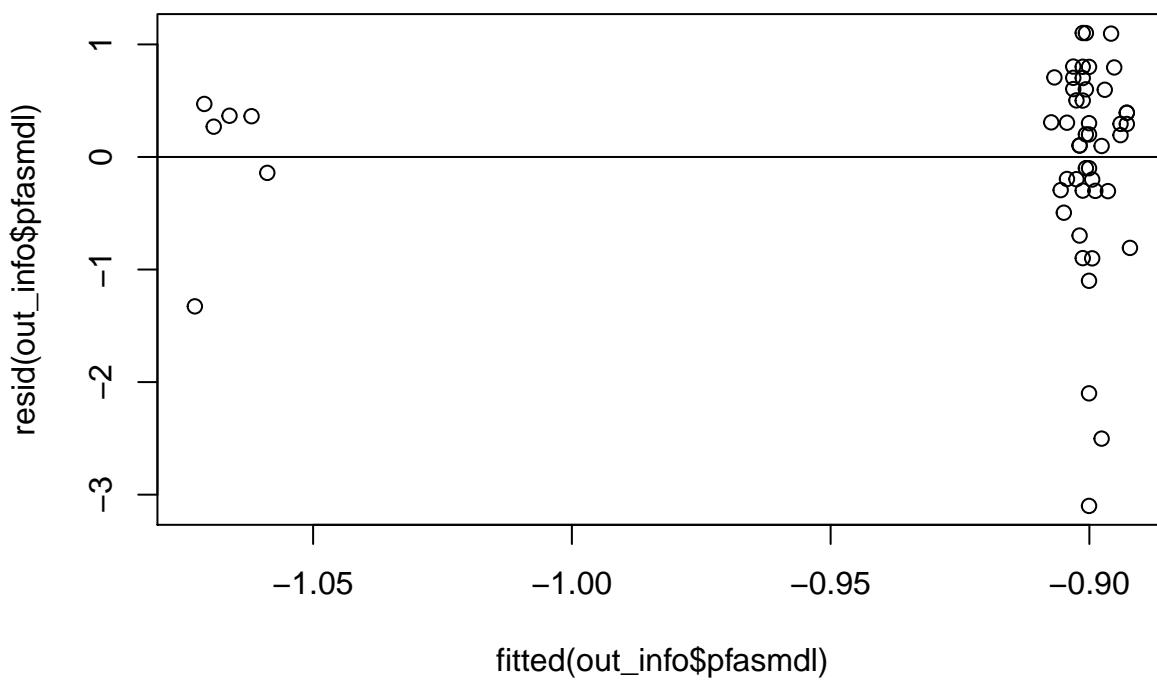
**Normal Q-Q Plot**



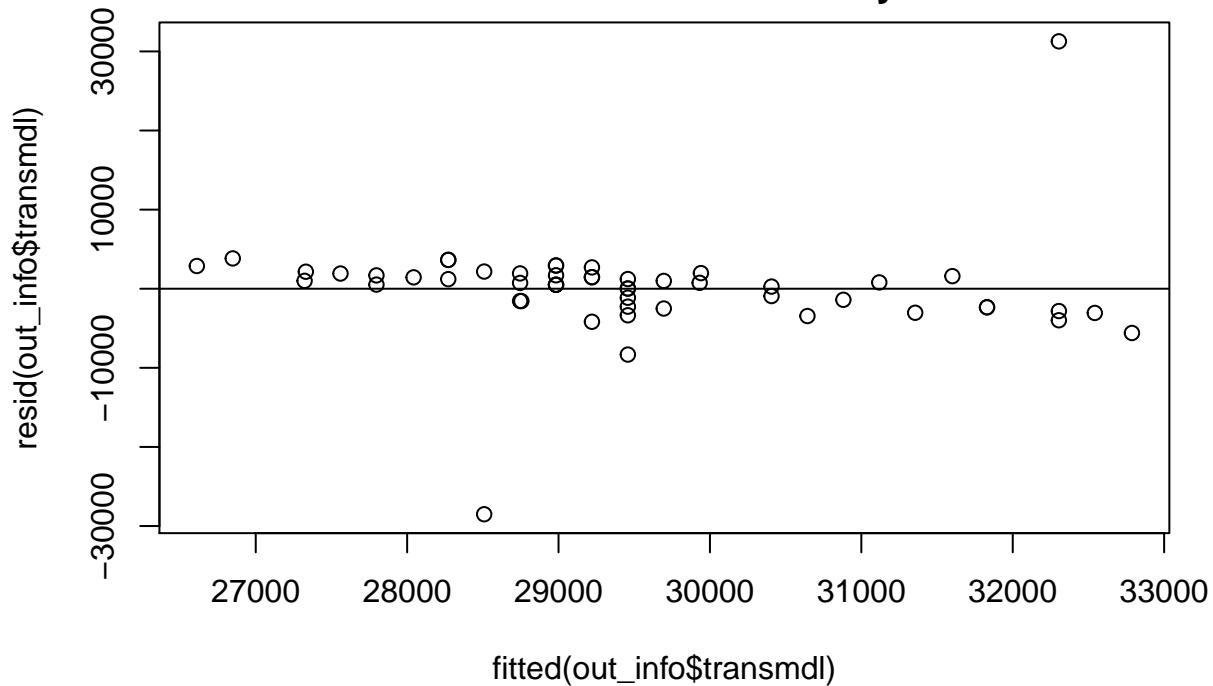
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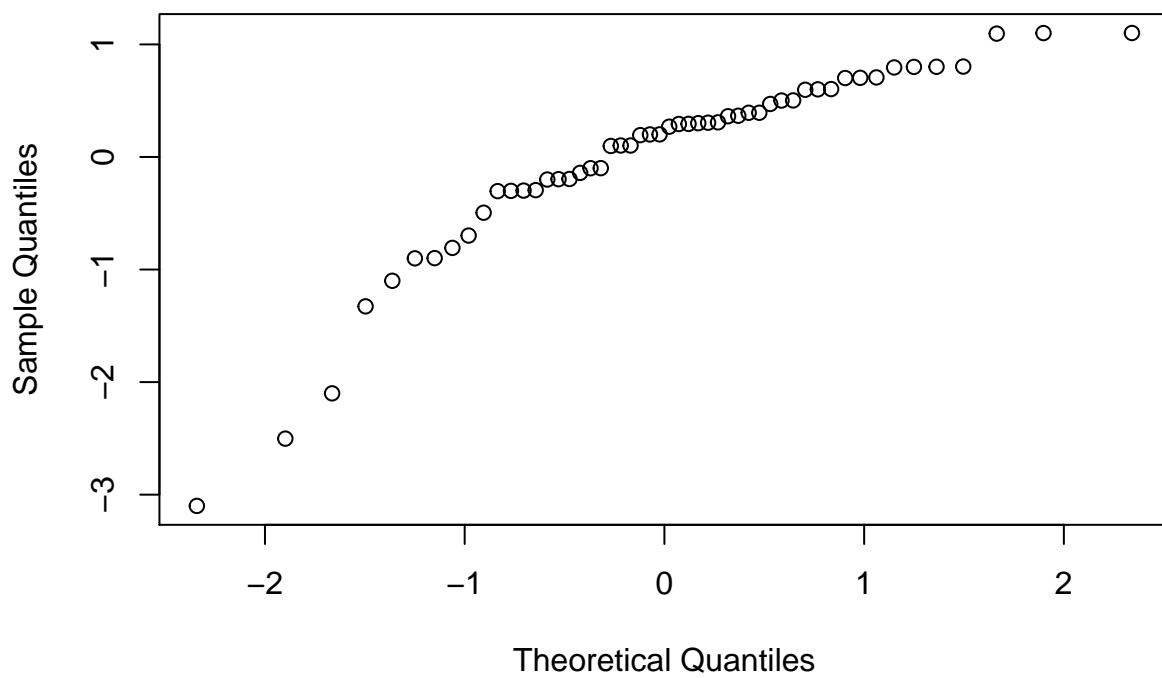
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.num.fireruns  
Plot of nPFO\$origEthnicity**



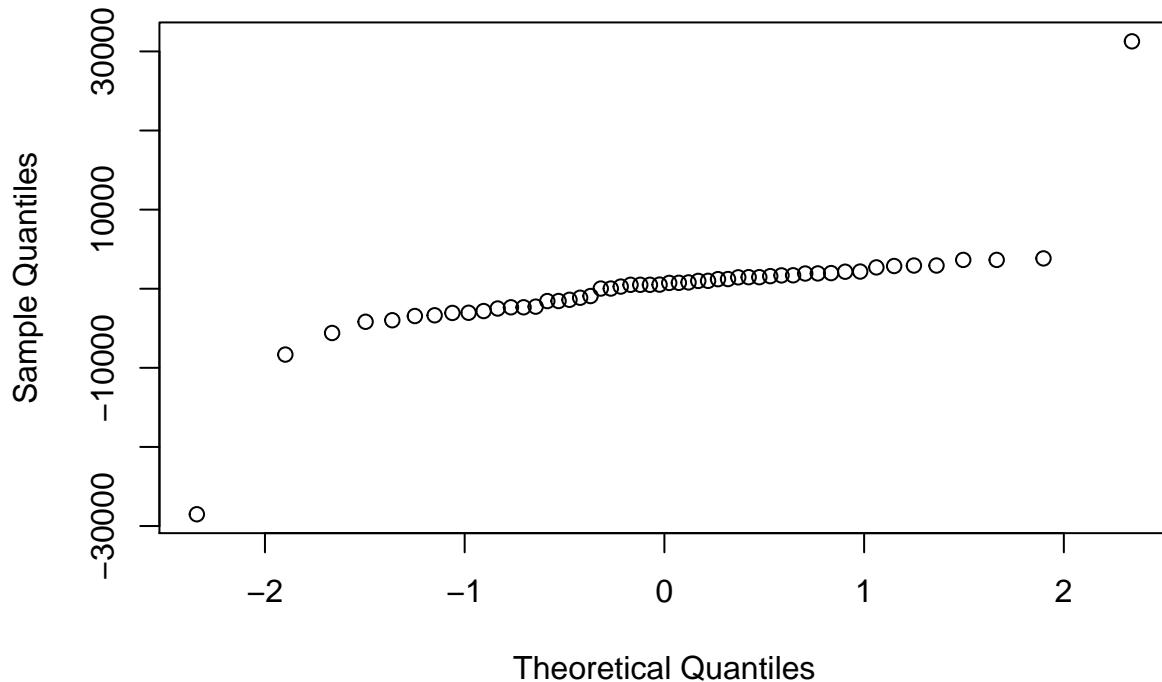
**Plot of PFNAtrans+  
Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**



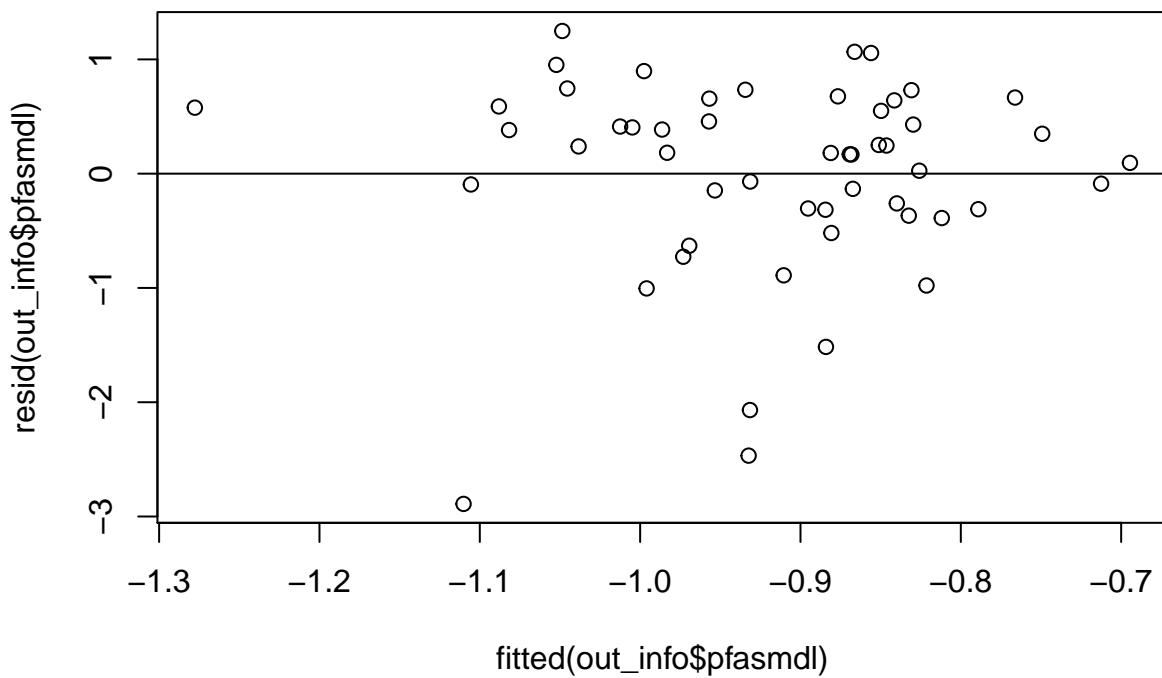
**Normal Q-Q Plot**



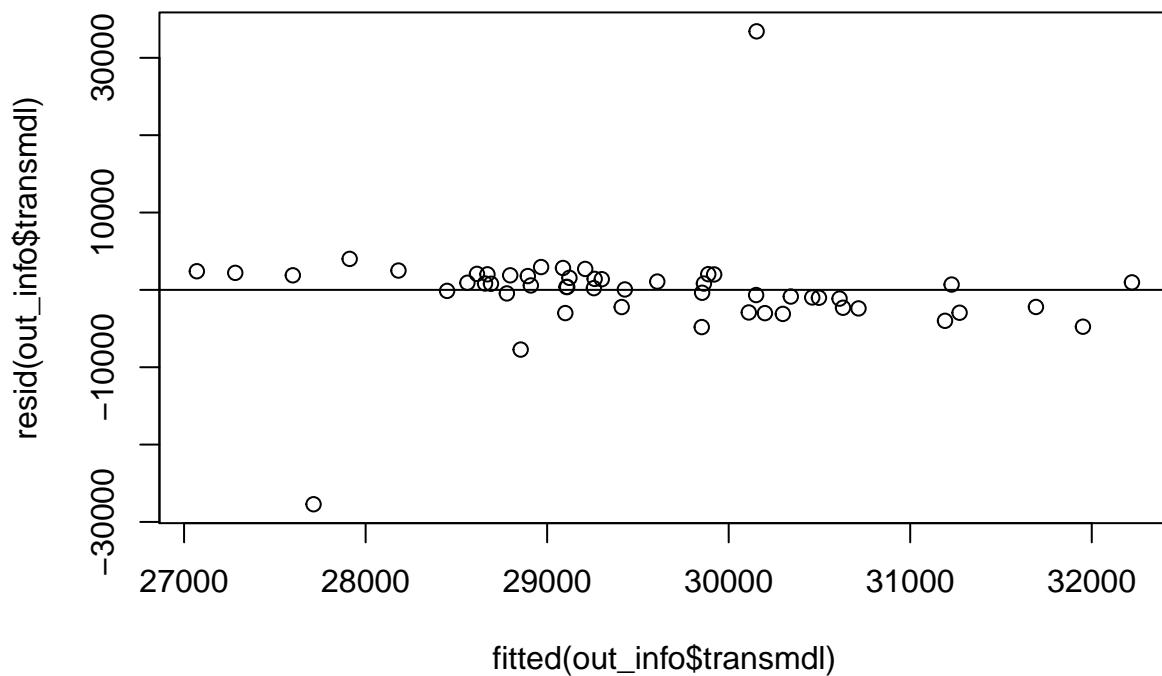
### Normal Q-Q Plot



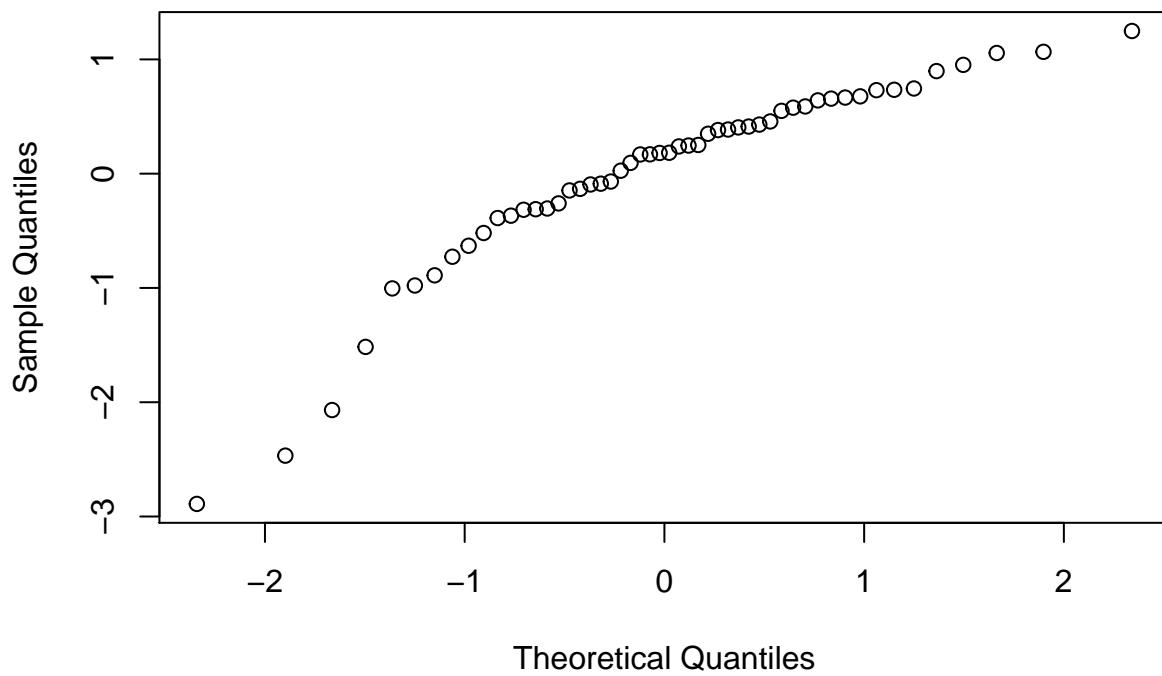
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**



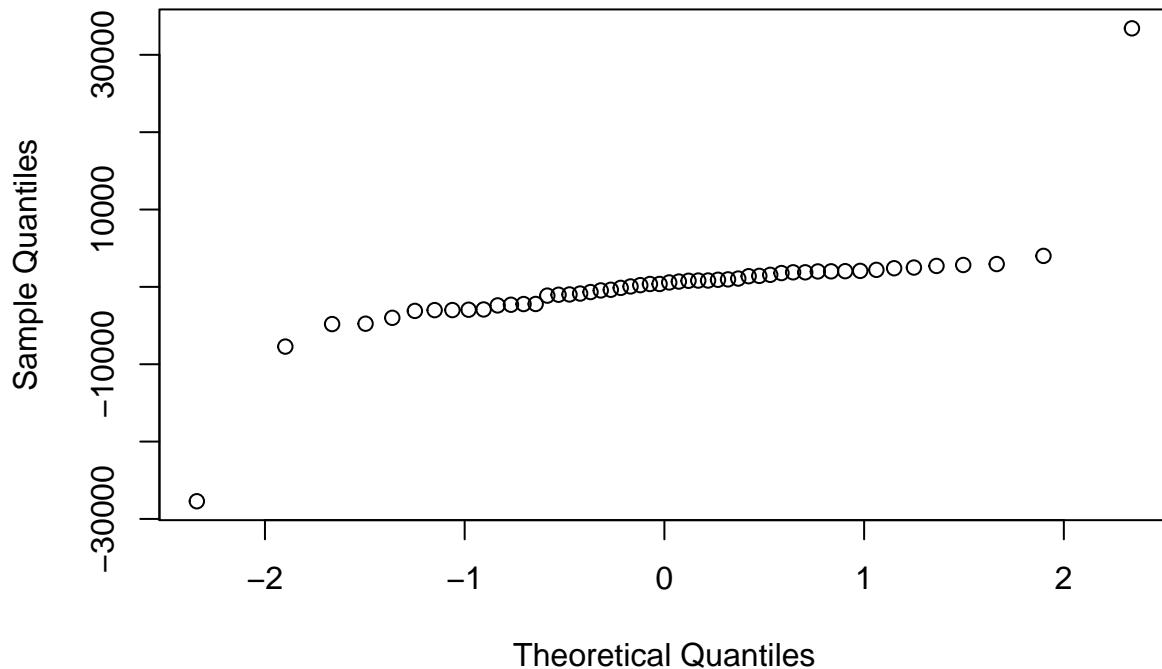
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



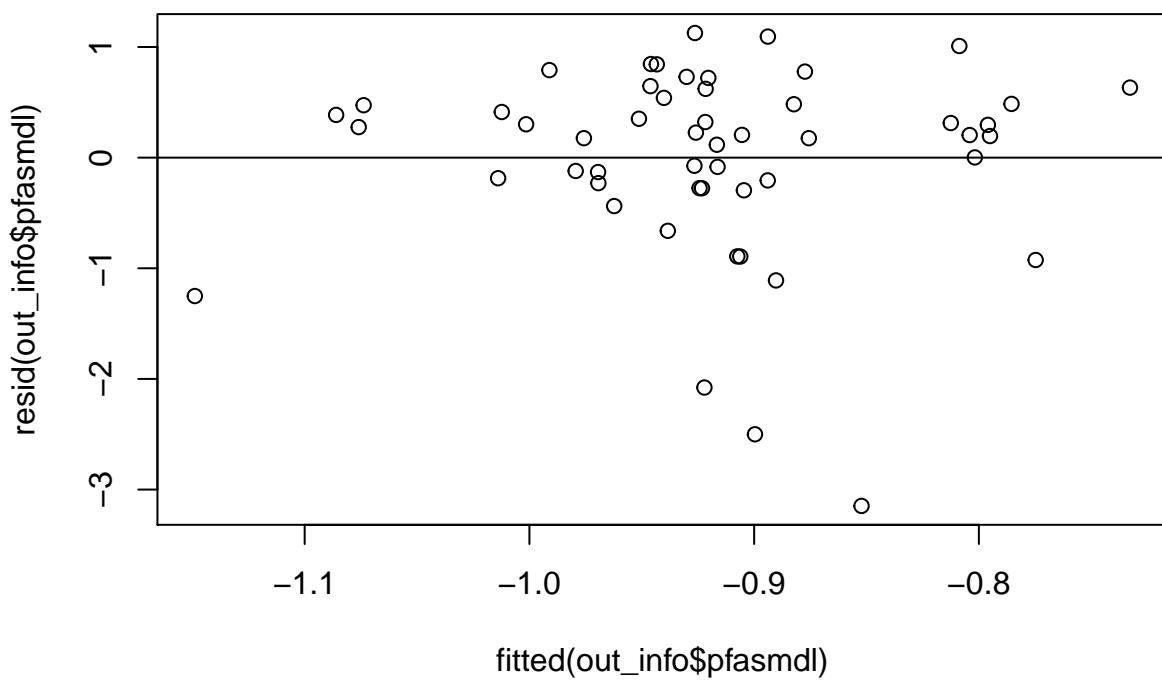
**Normal Q-Q Plot**



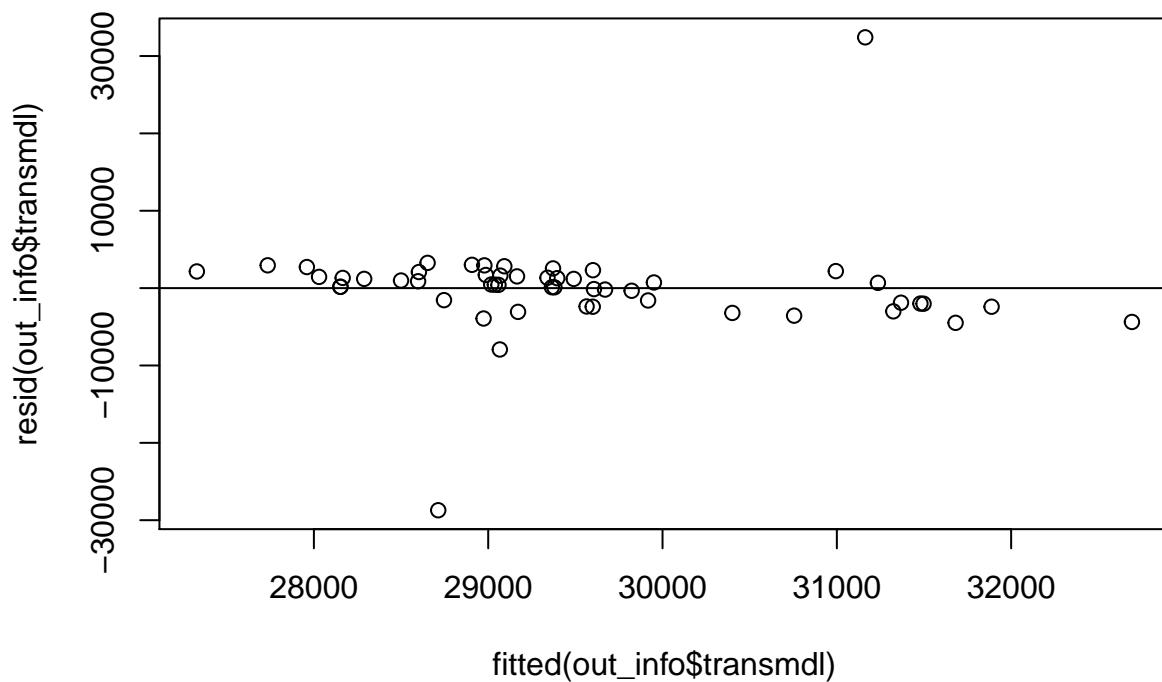
### Normal Q-Q Plot



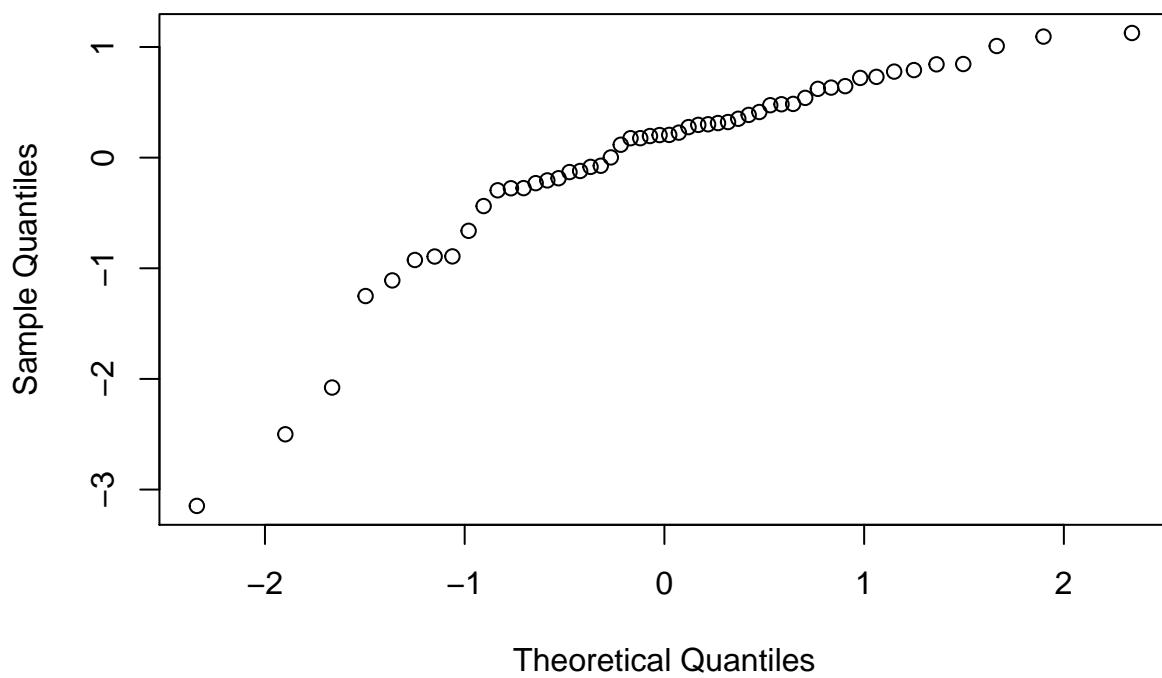
Plot of nPFO\$orig+  
Plot of nPFO\$origstr.duration.hrs  
Plot of nPFO\$origEthnicity



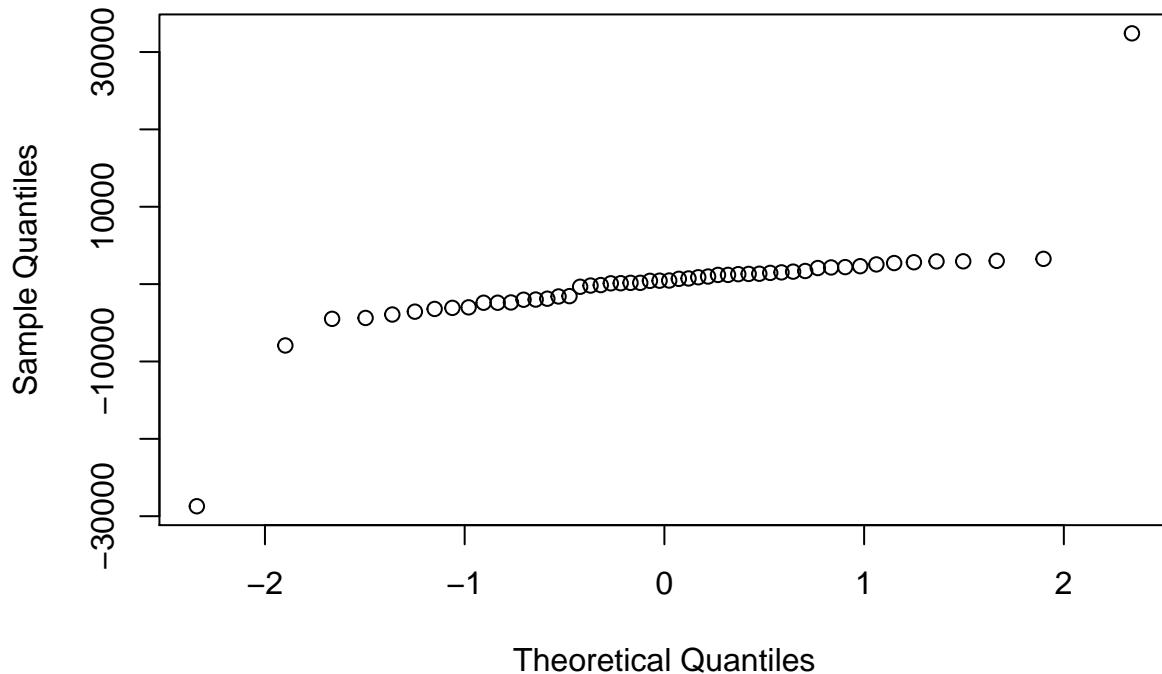
**Plot of PFNAtrans+  
Plot of PFNAtransstr.duration.hrs  
Plot of PFNAtransEthnicity**



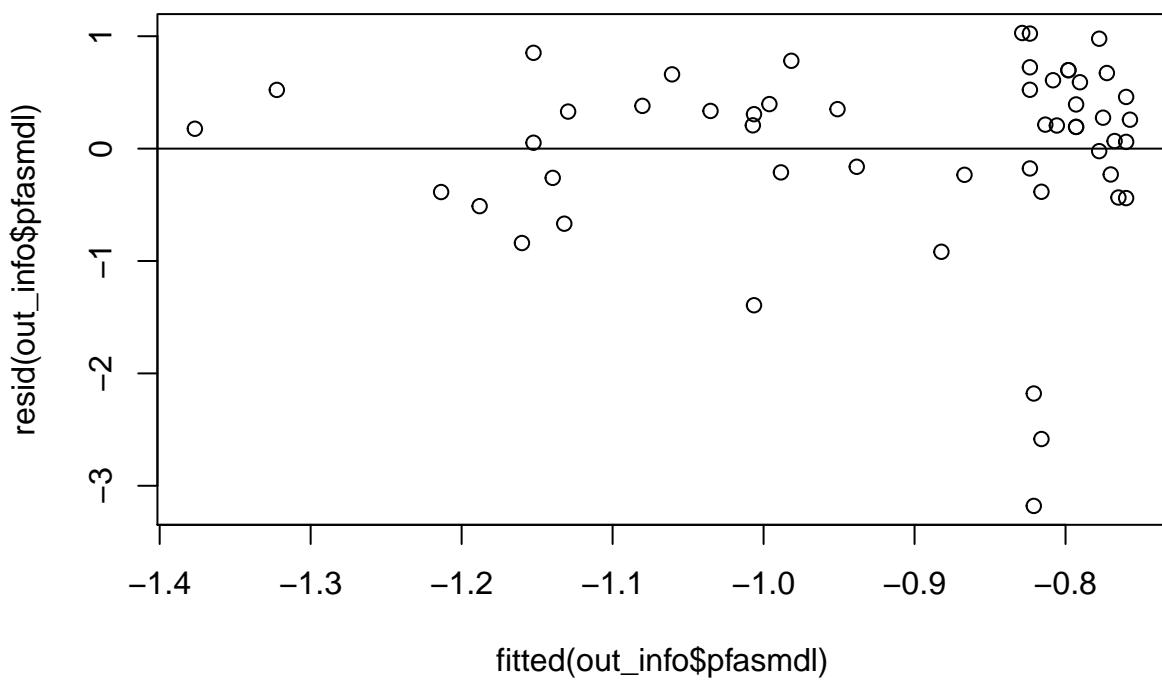
**Normal Q-Q Plot**



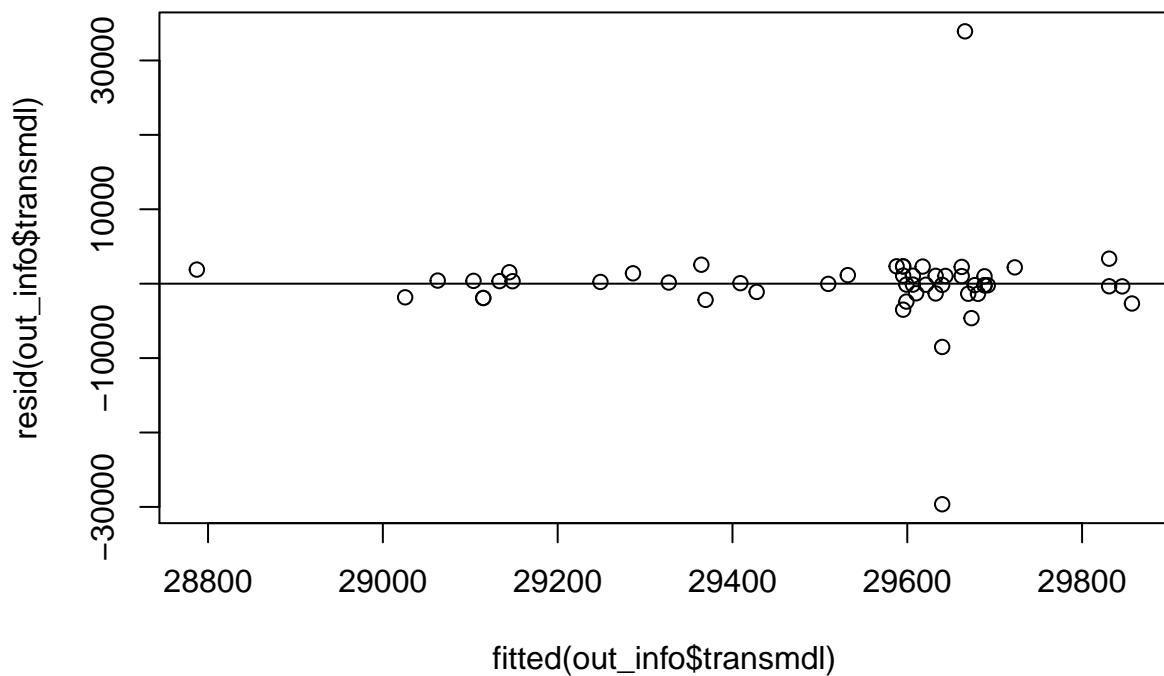
### Normal Q-Q Plot



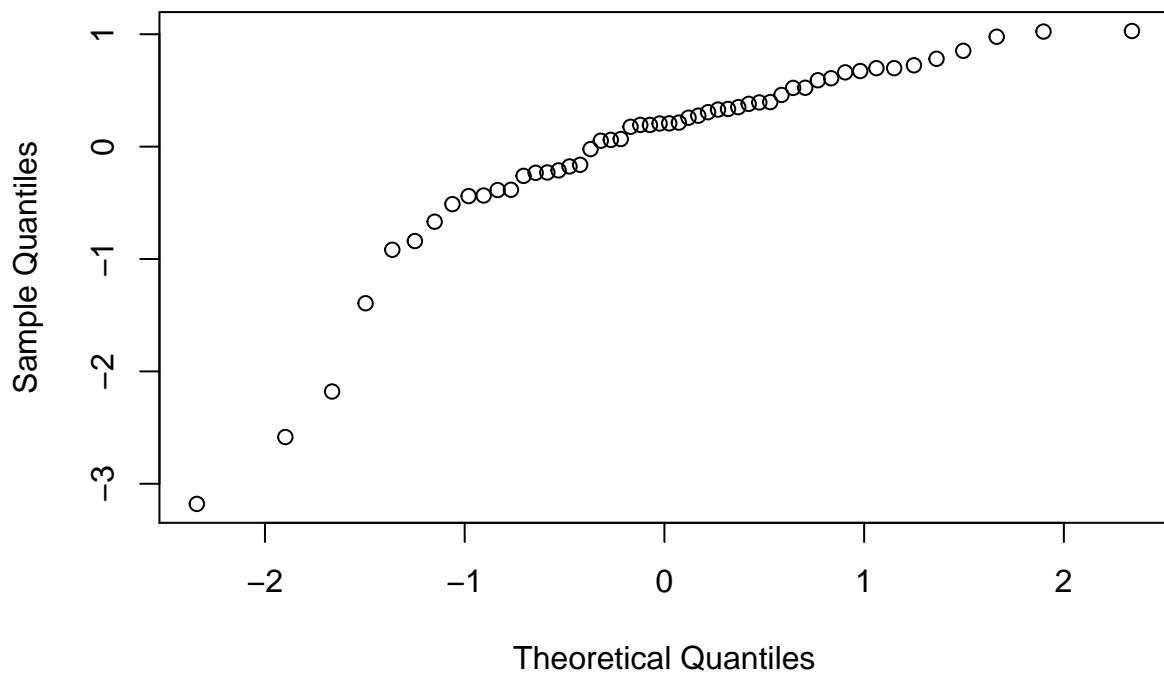
**Plot of nPFO\$orig+  
Plot of nPFO\$origdays.since.MRF  
Plot of nPFO\$origEthnicity**



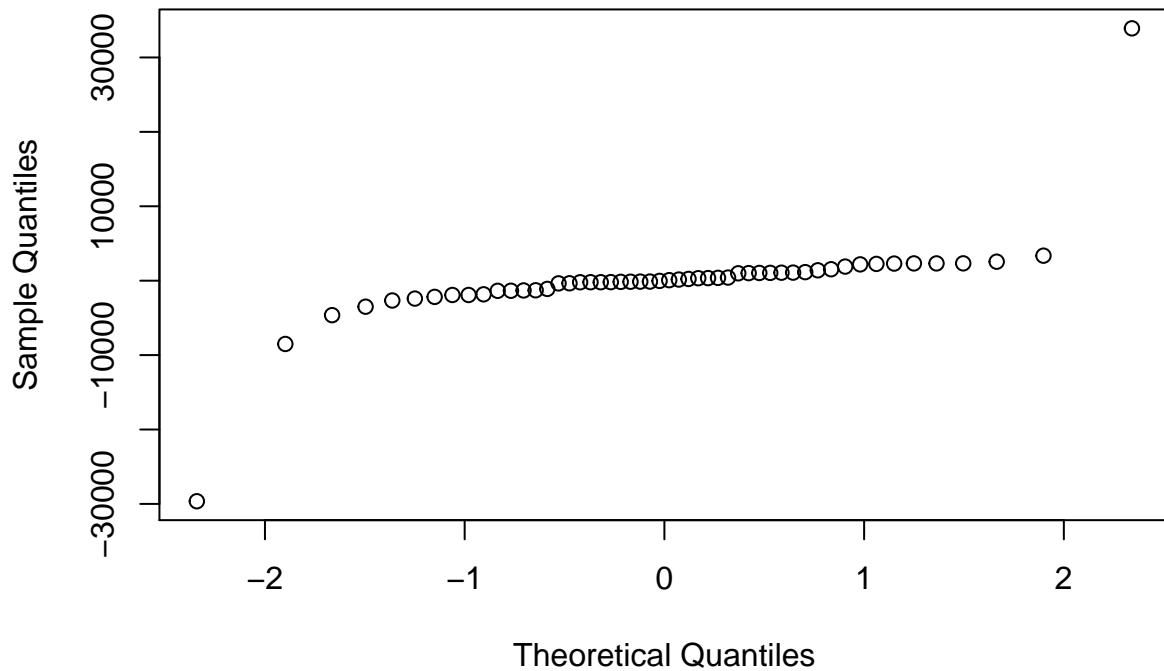
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



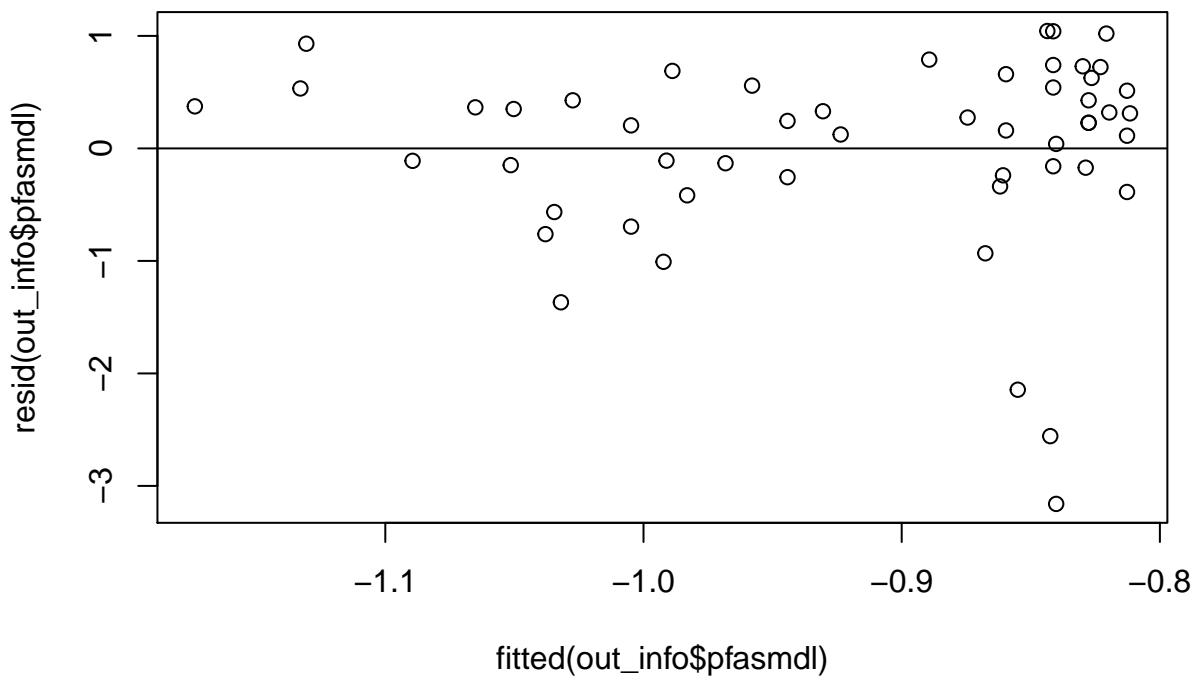
**Normal Q-Q Plot**



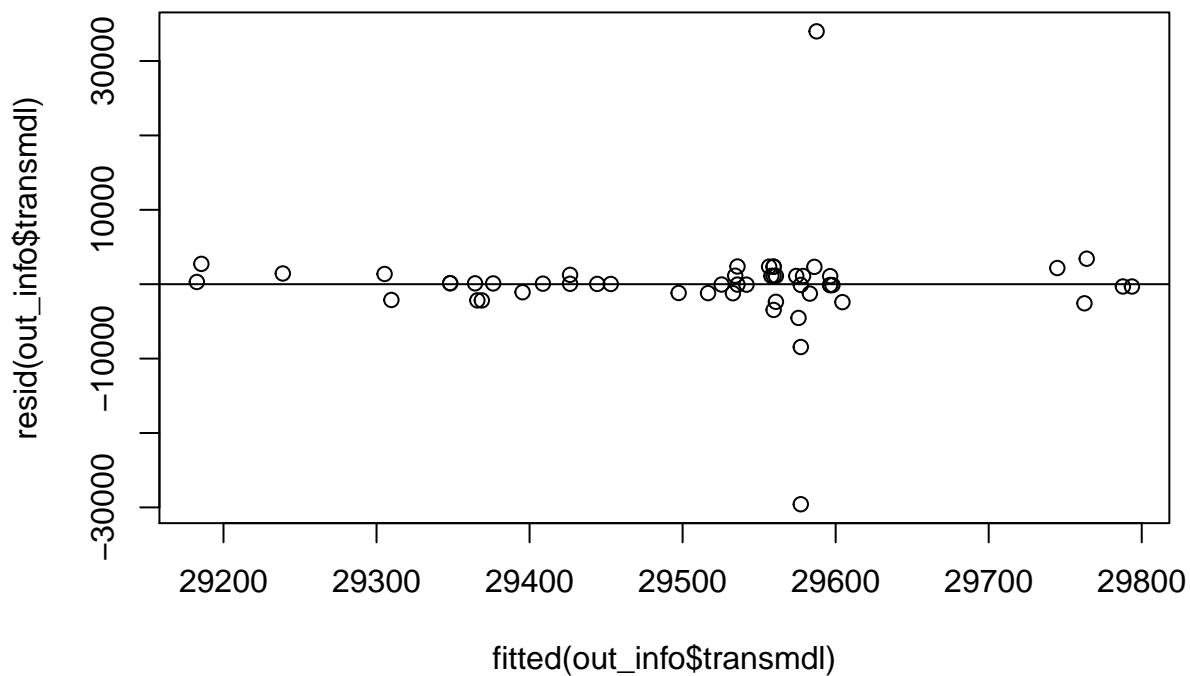
### Normal Q-Q Plot



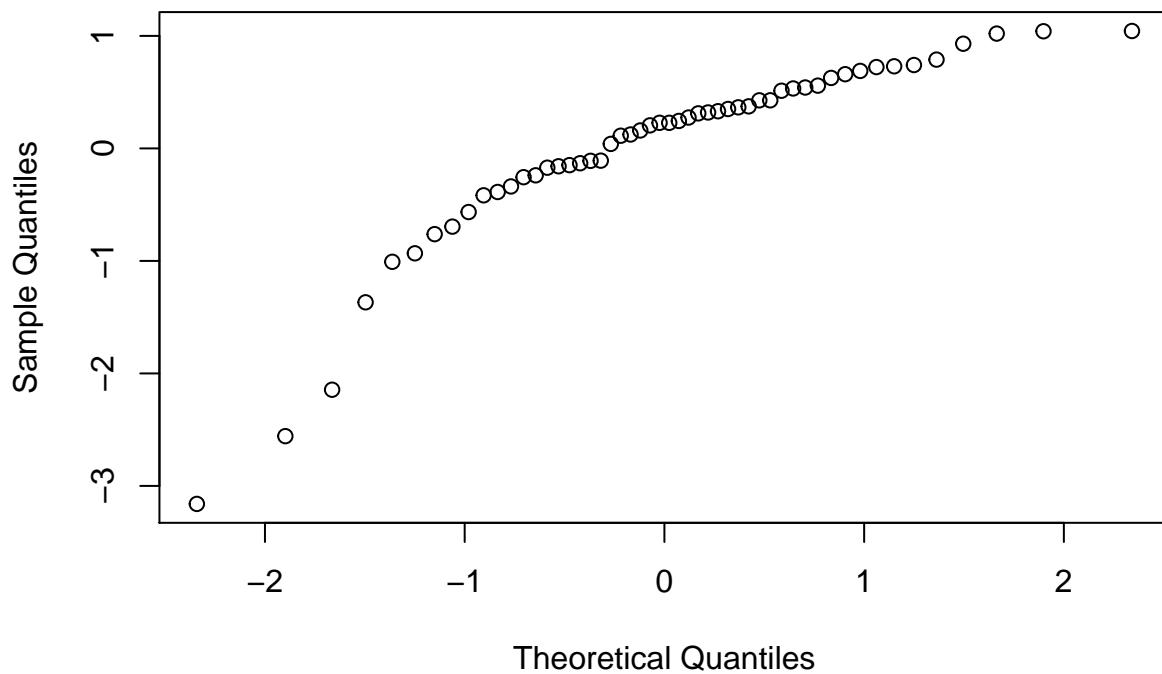
**Plot of nPFO\$orig+  
Plot of nPFO\$origdays.since.struc.MRF  
Plot of nPFO\$origEthnicity**



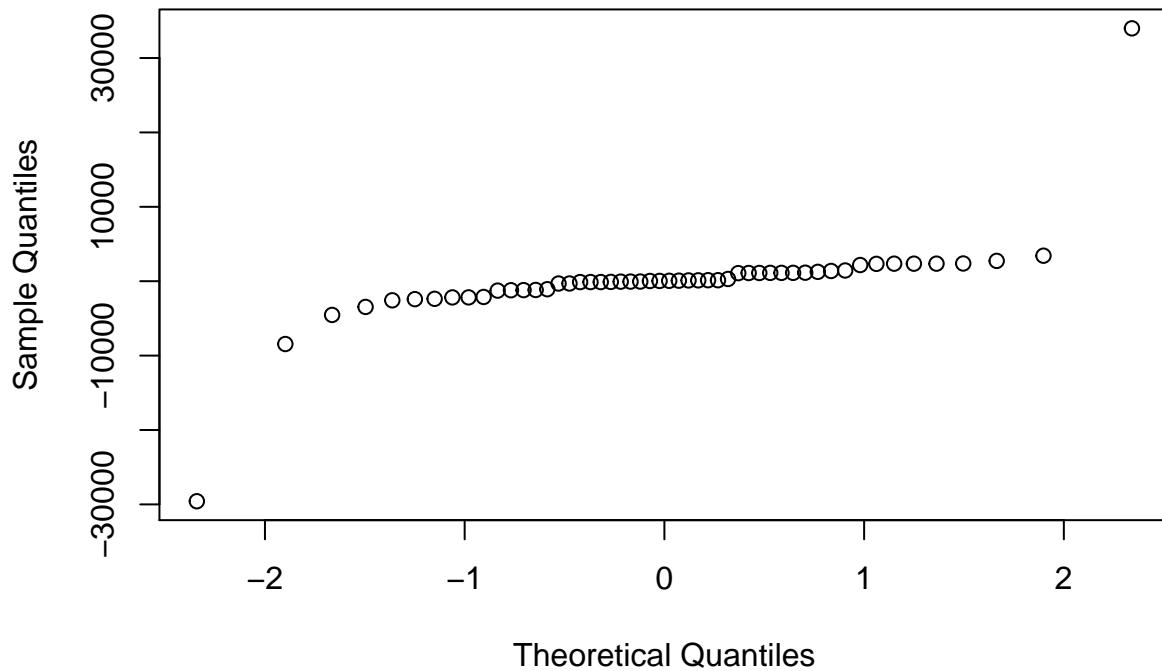
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.struc.MRF  
Plot of PFNAtransEthnicity**



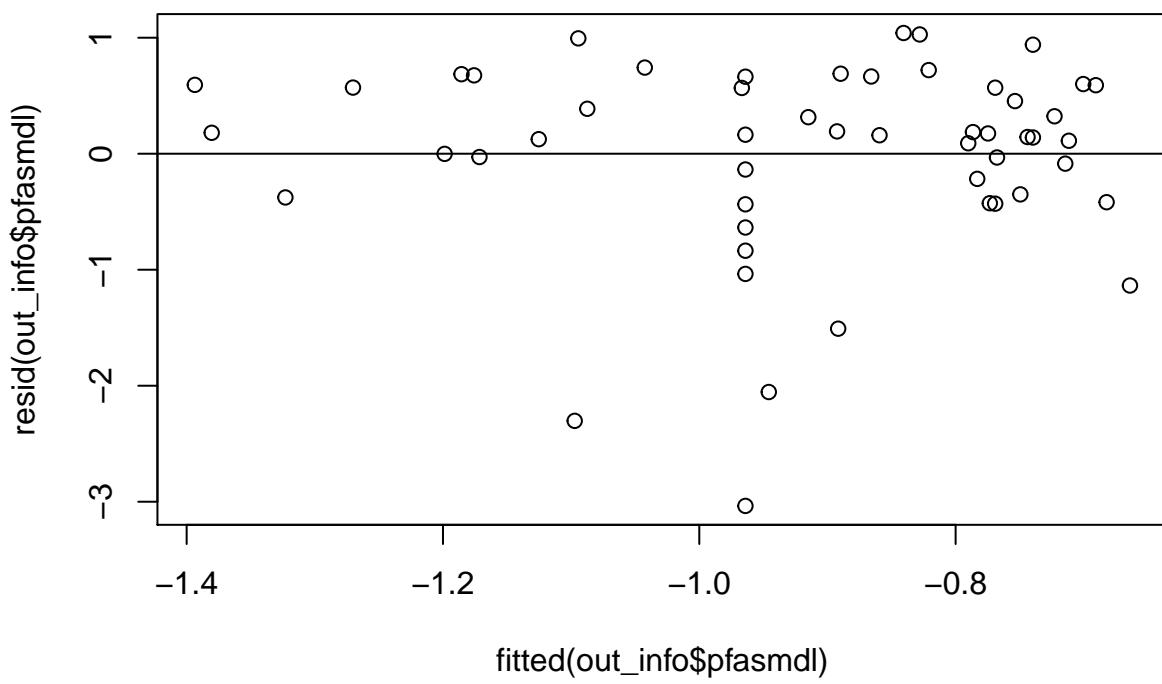
**Normal Q-Q Plot**



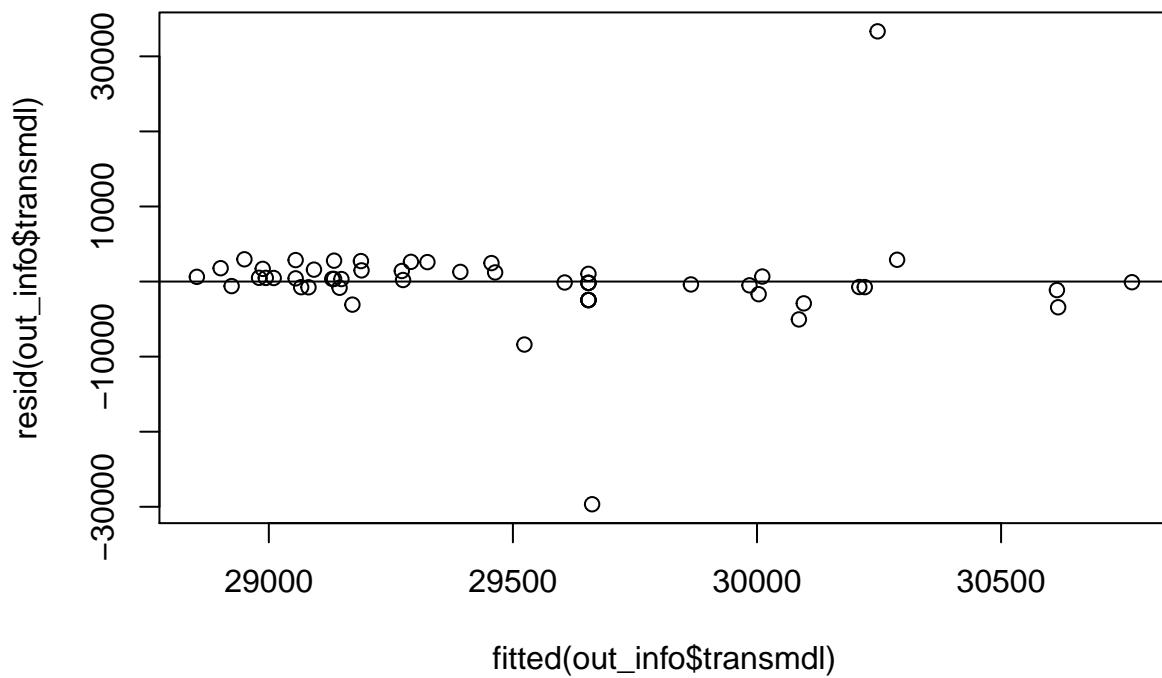
### Normal Q-Q Plot



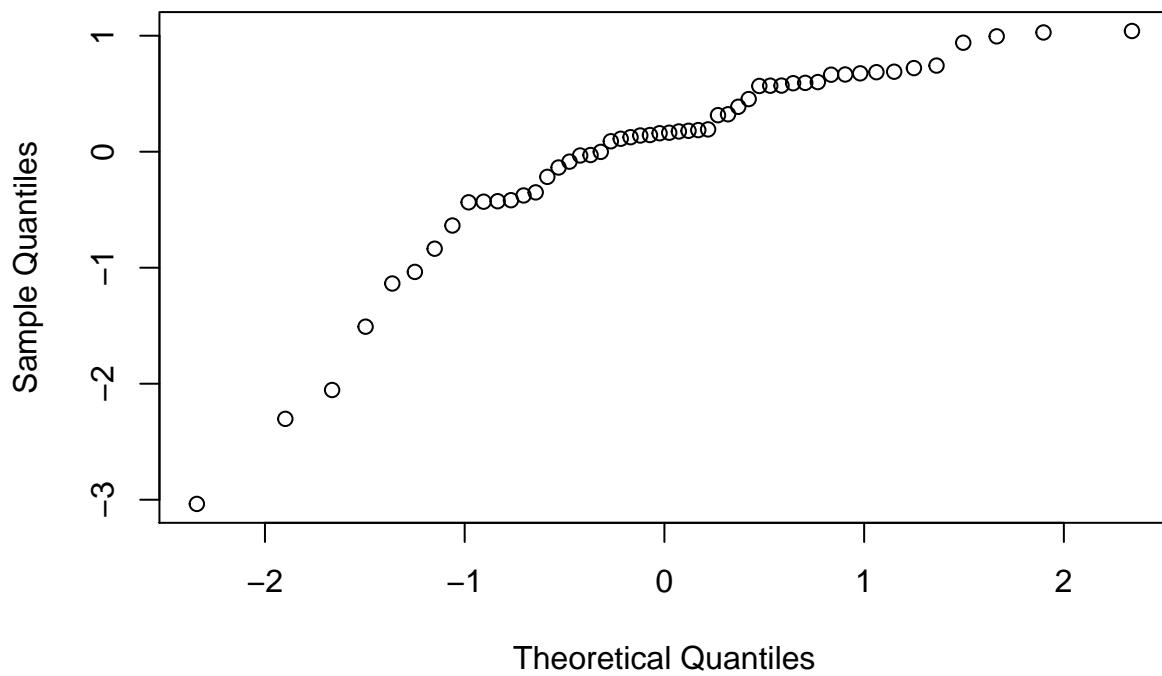
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



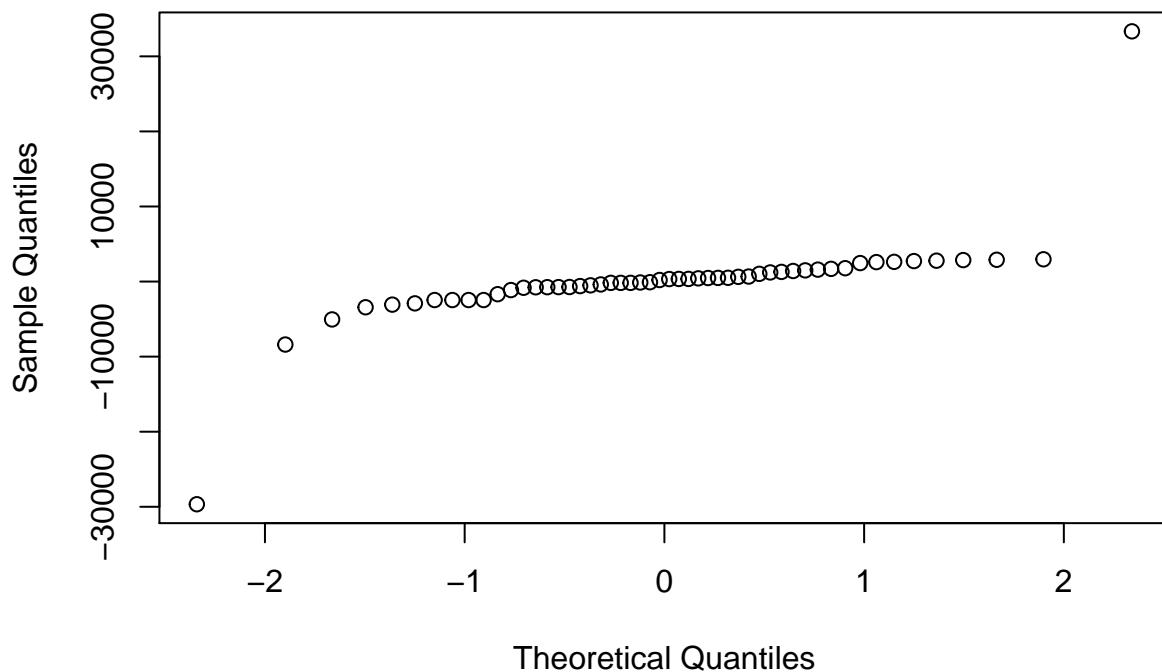
**Plot of PFNAtrans+  
Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



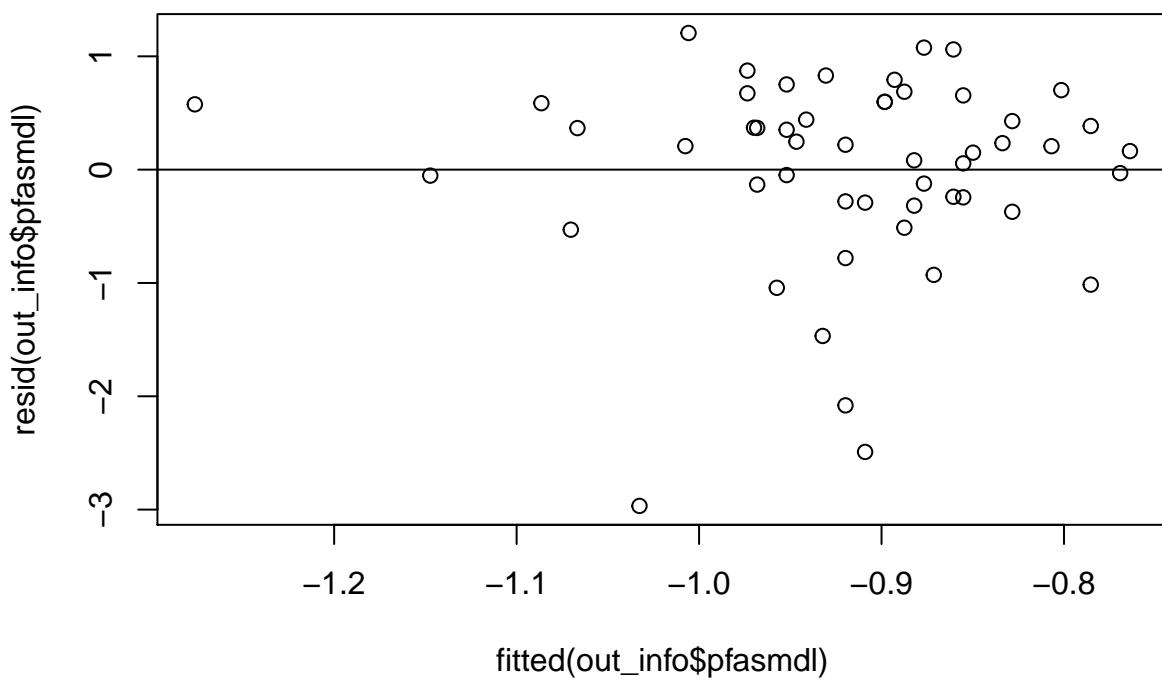
**Normal Q-Q Plot**



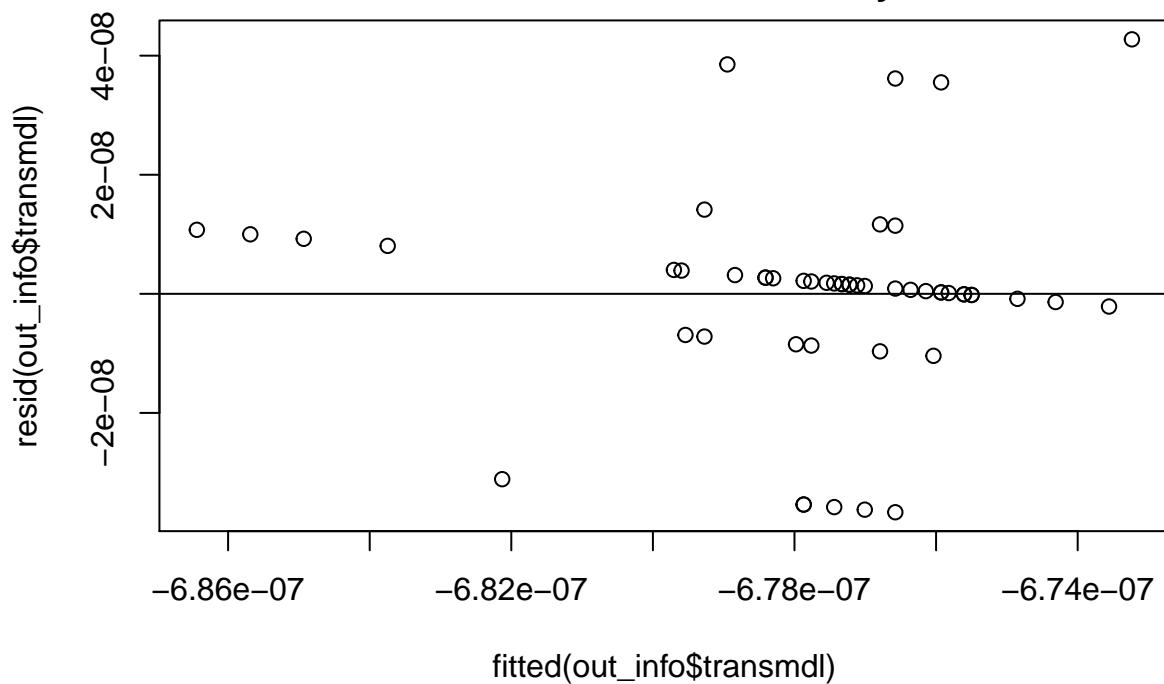
### Normal Q-Q Plot



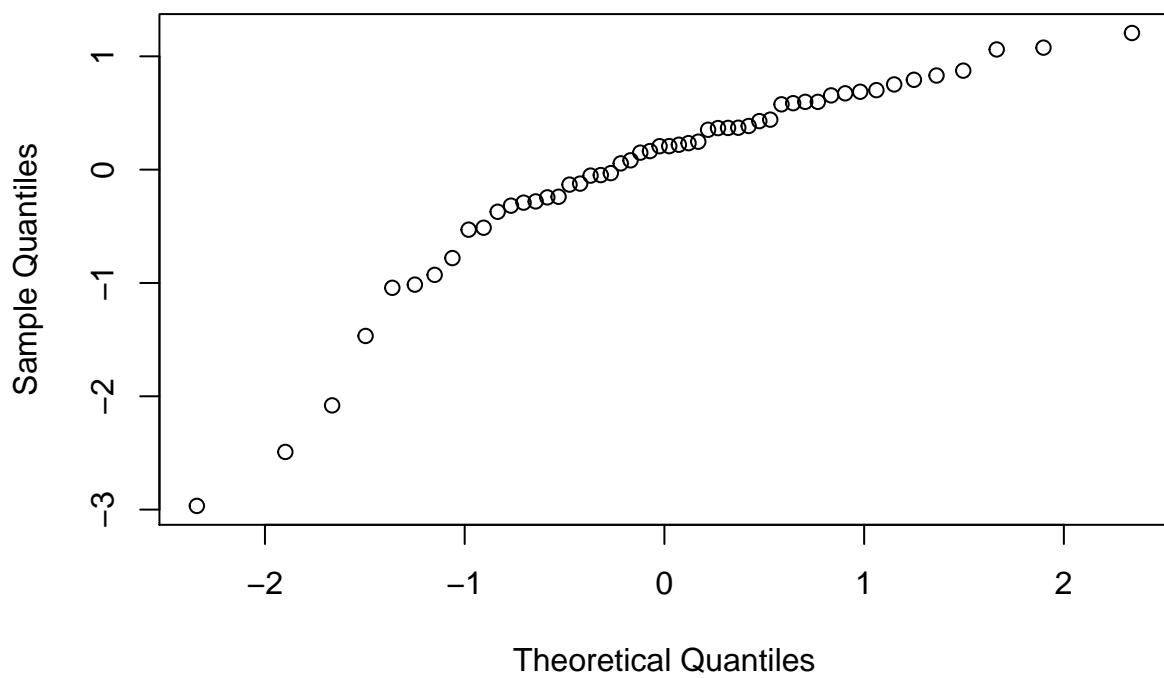
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$origEthnicity**



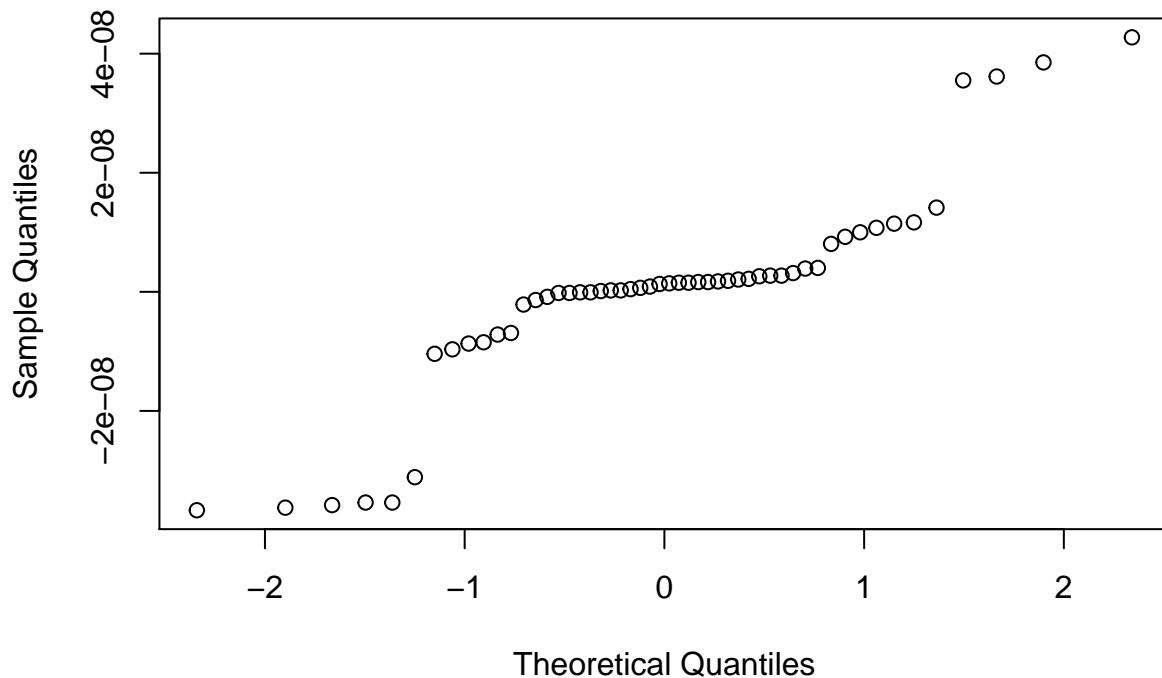
**Plot of PFUATrans+  
Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**



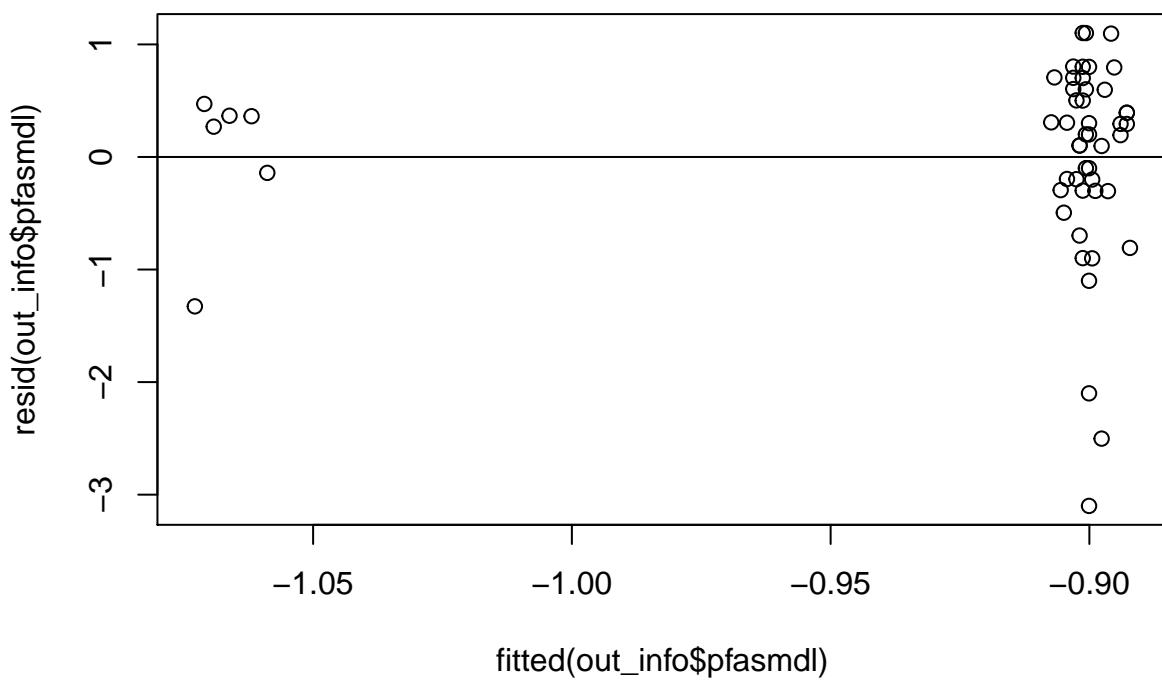
**Normal Q-Q Plot**



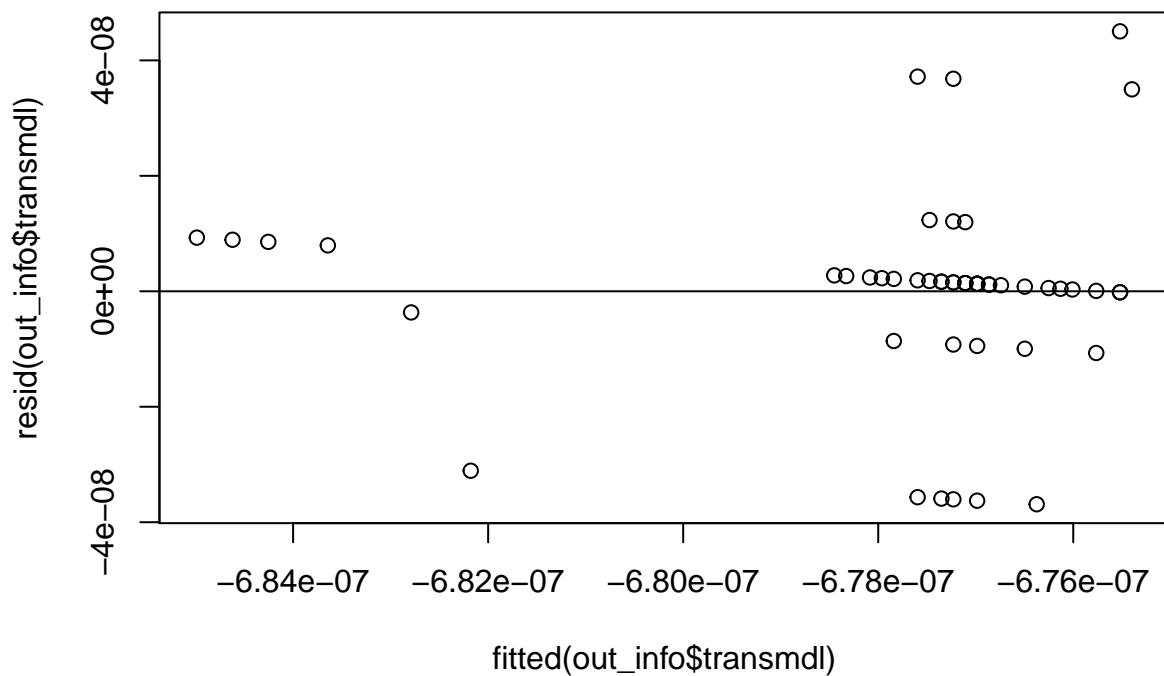
### Normal Q-Q Plot



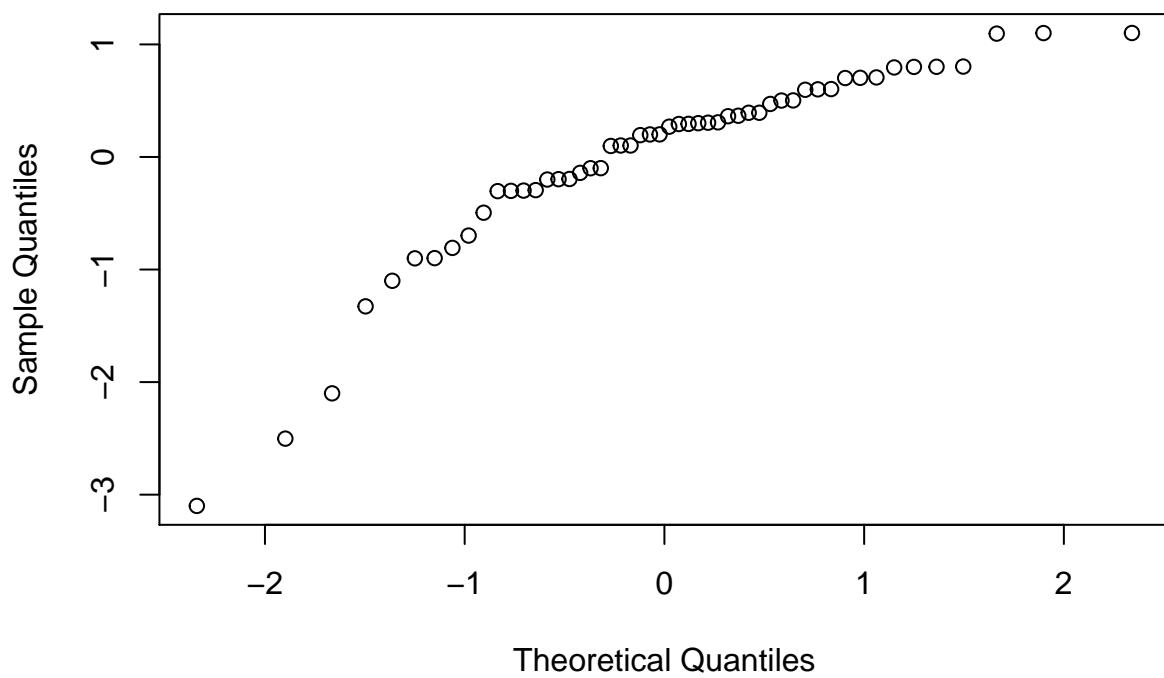
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.num.fireruns  
Plot of nPFO\$origEthnicity**



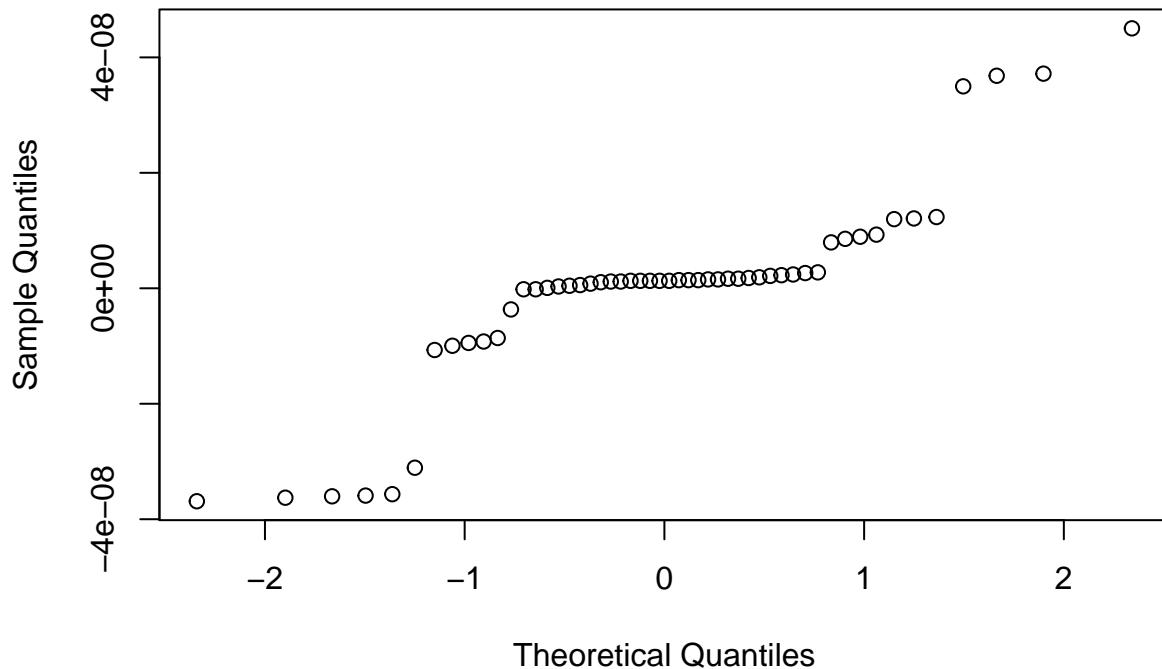
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



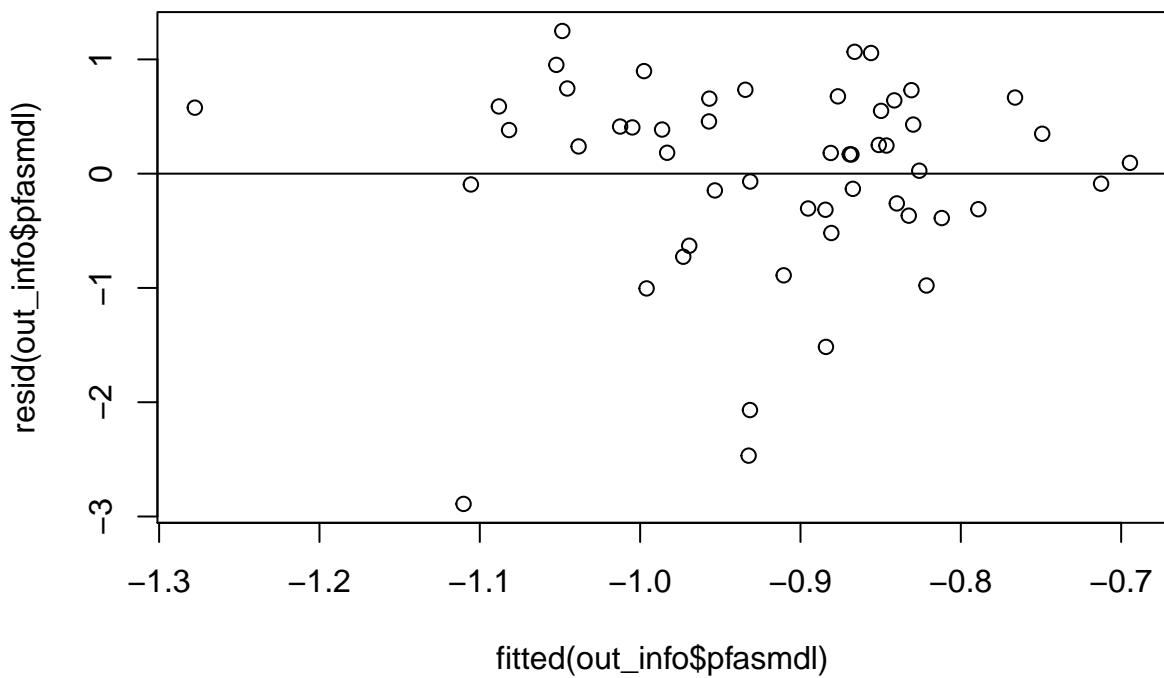
**Normal Q-Q Plot**



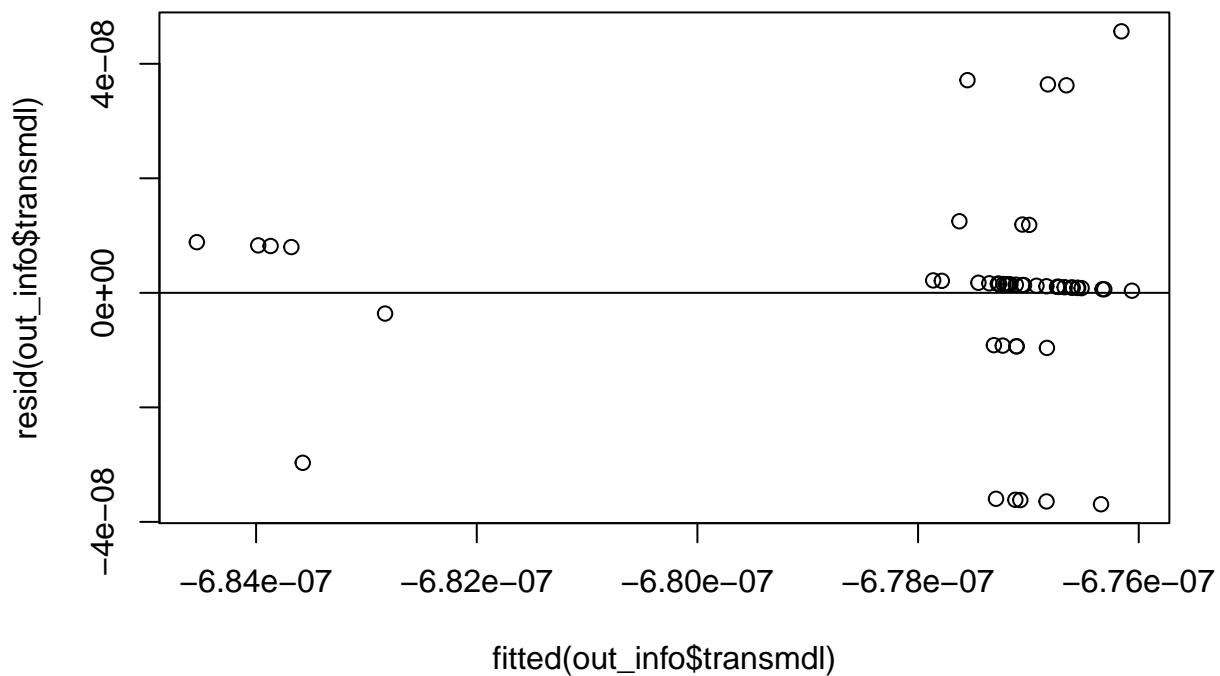
### Normal Q-Q Plot



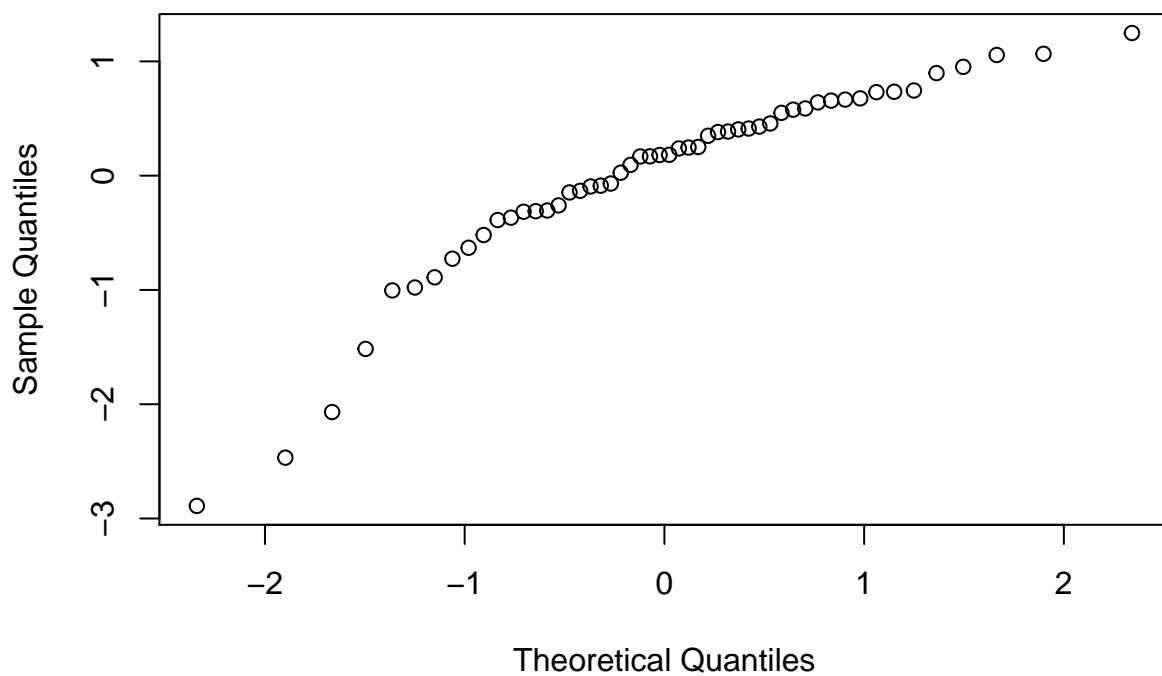
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**



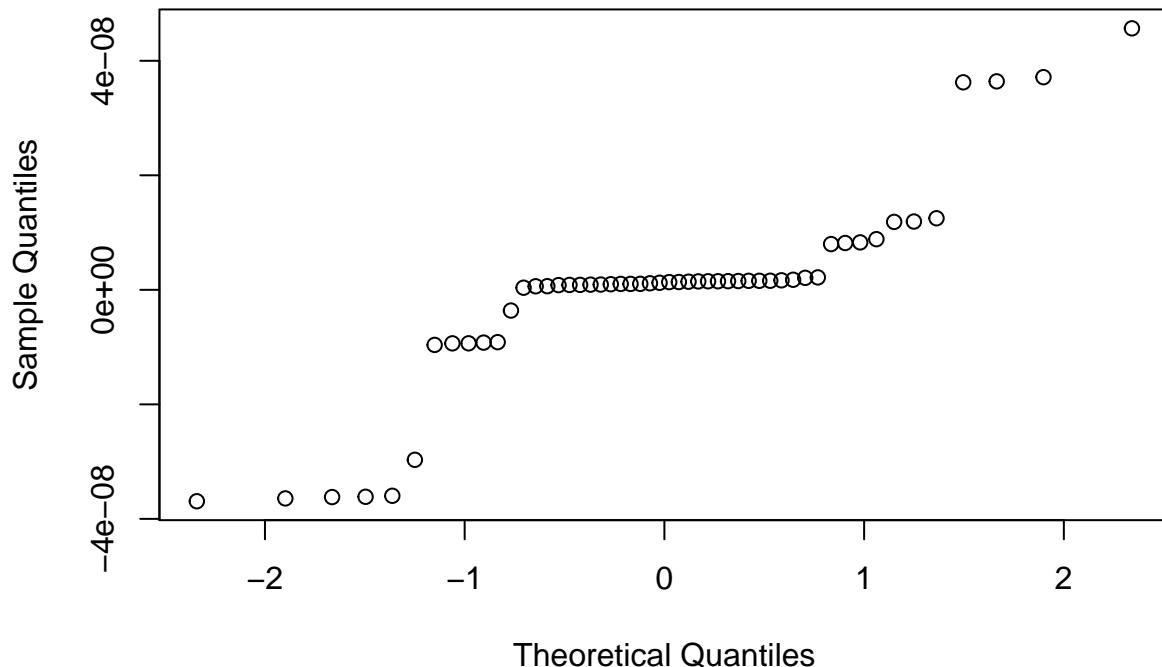
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



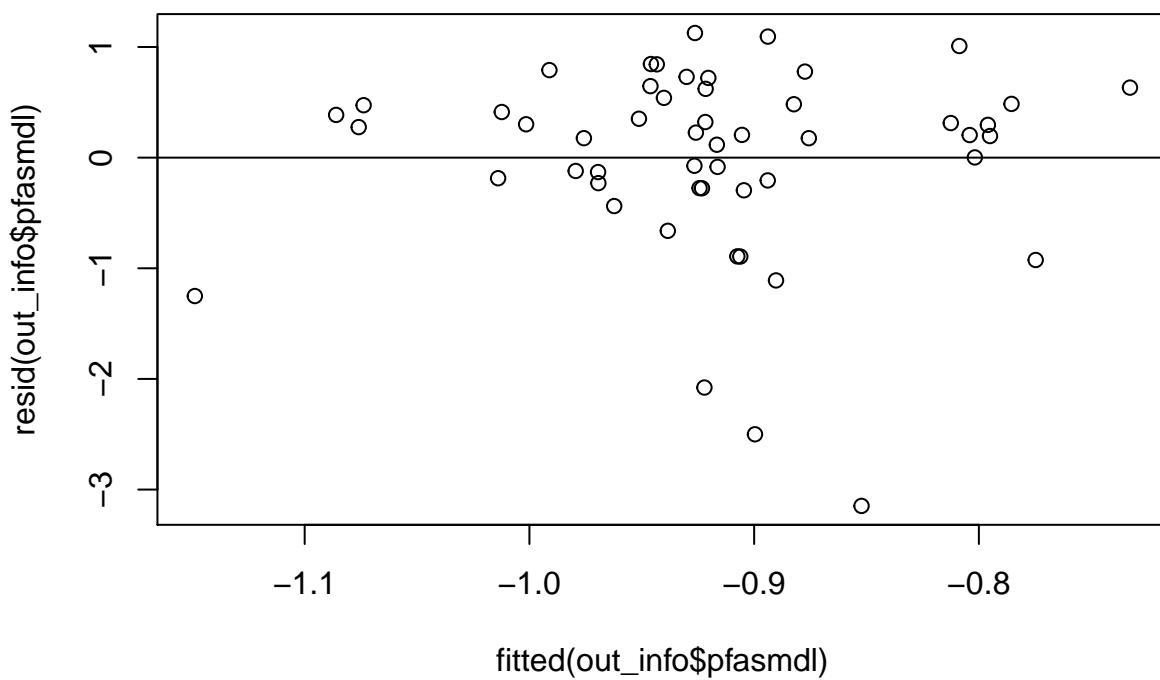
**Normal Q-Q Plot**



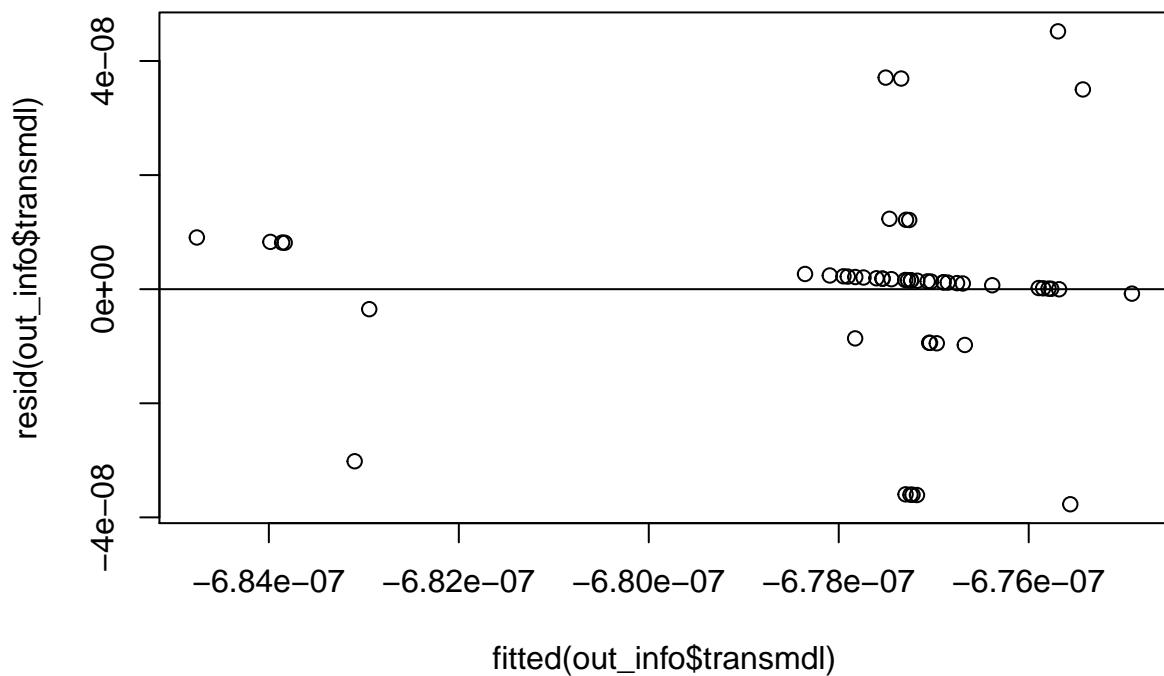
### Normal Q-Q Plot



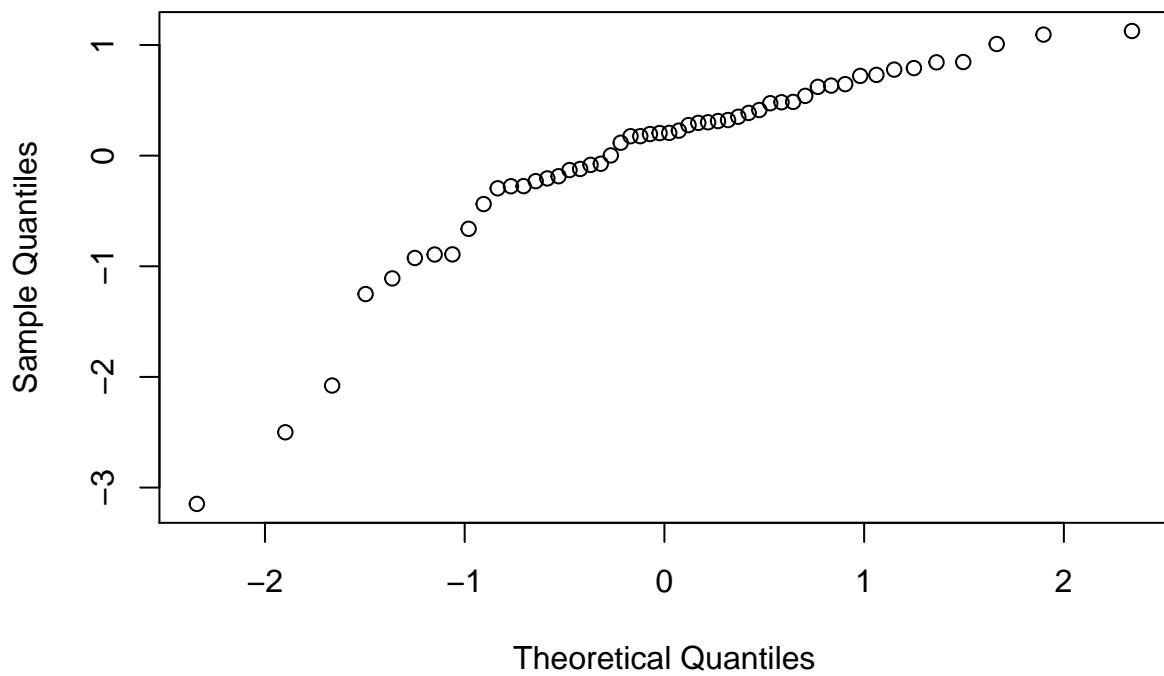
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.duration.hrs  
Plot of nPFO\$origEthnicity**



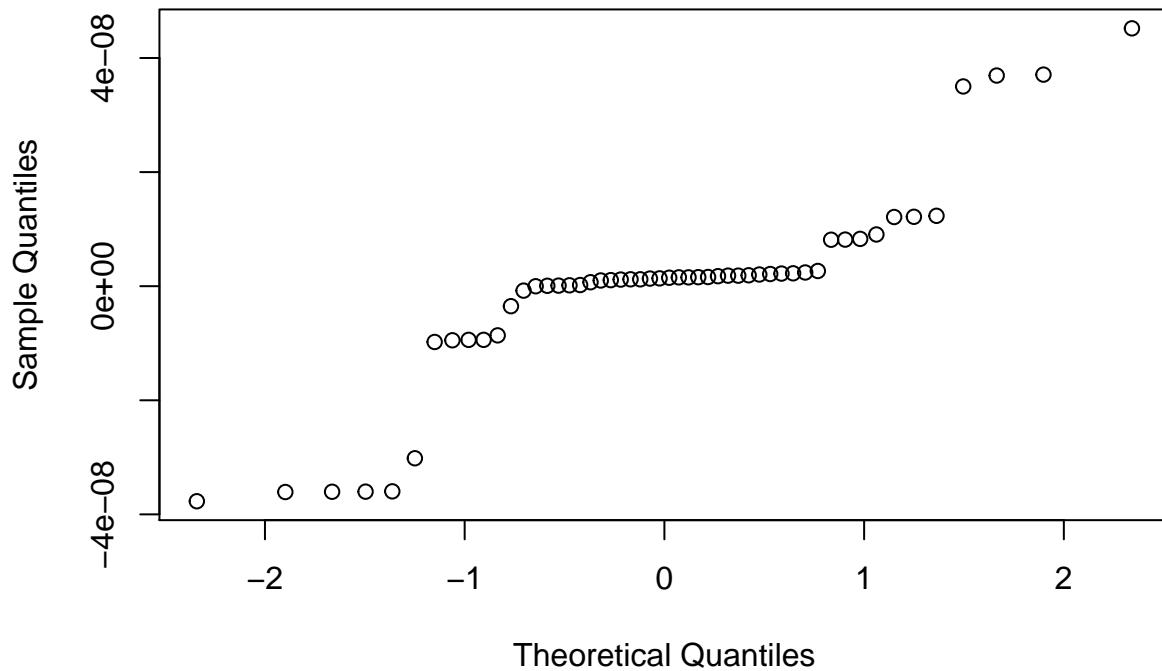
**Plot of PFUATrans+  
Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



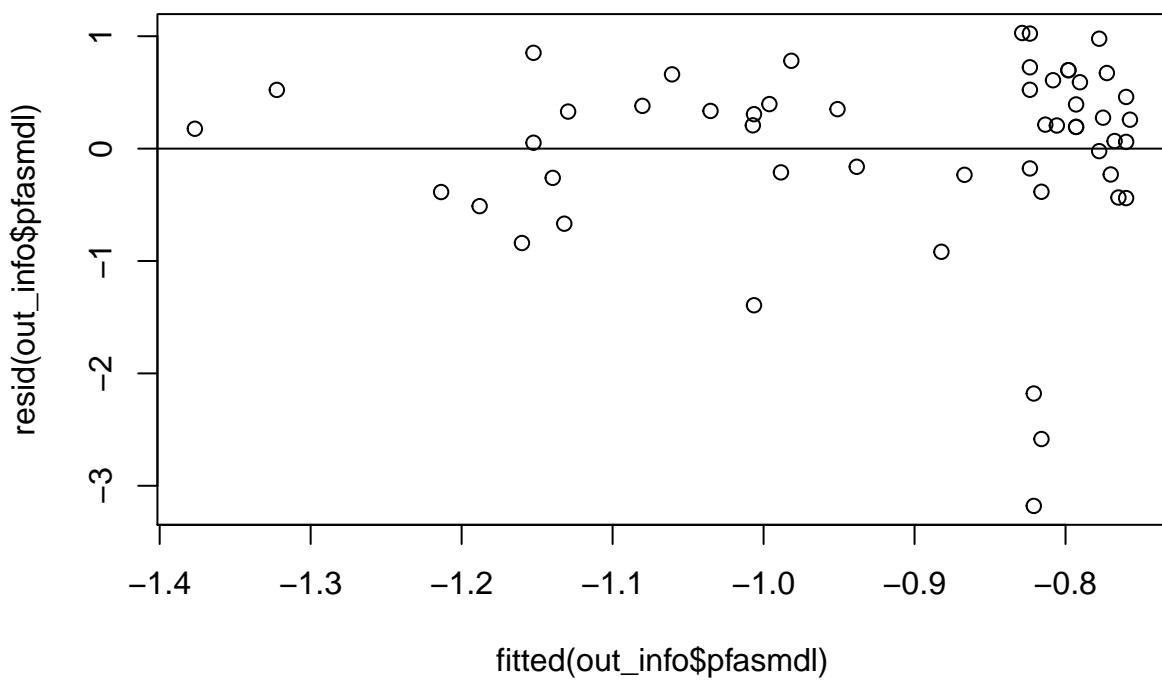
**Normal Q-Q Plot**



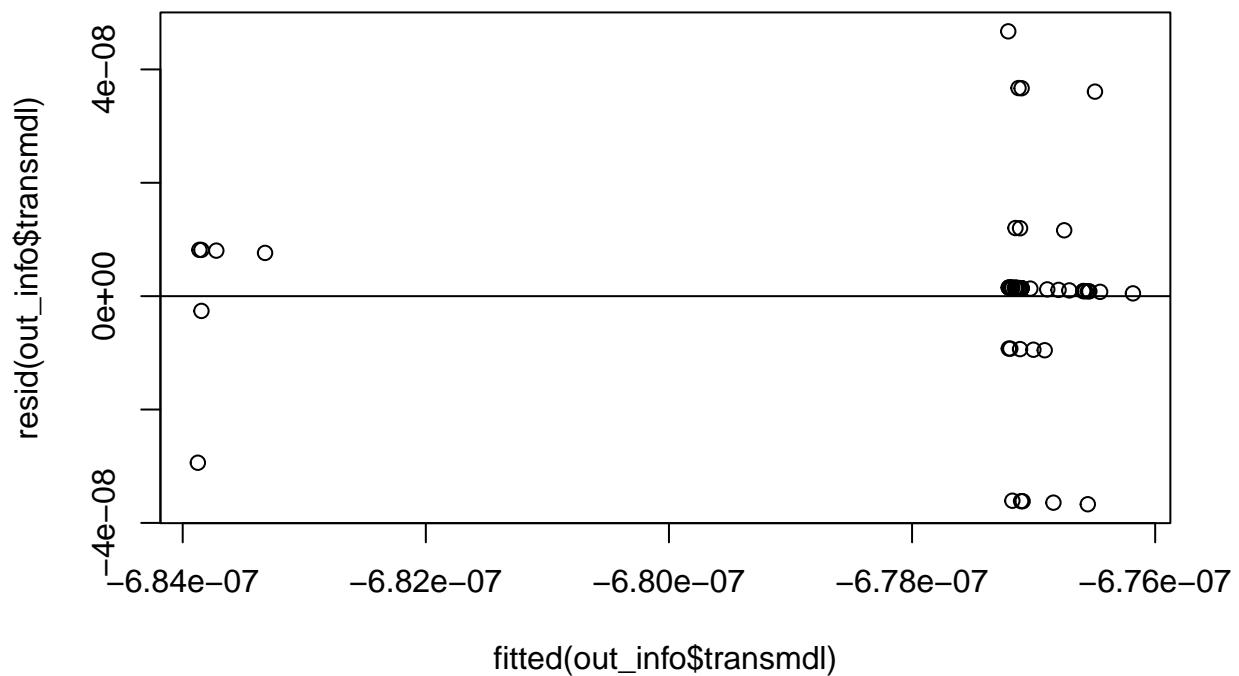
### Normal Q-Q Plot



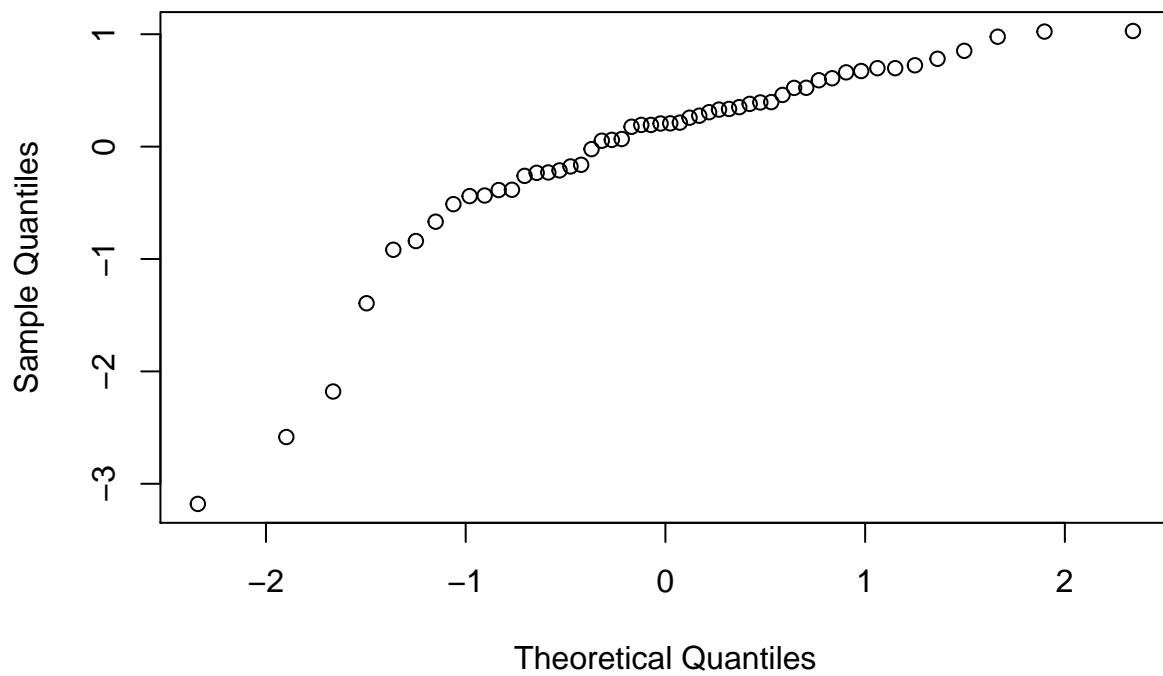
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$days.since.MRF  
Plot of nPFO\$orig\$Ethnicity**



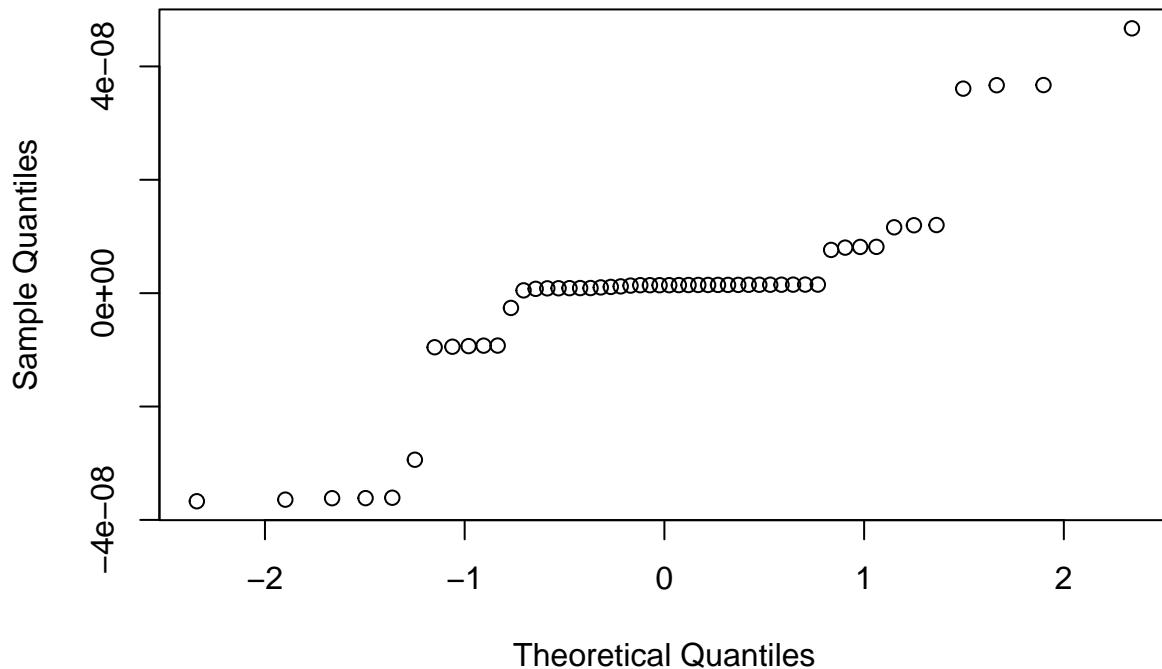
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



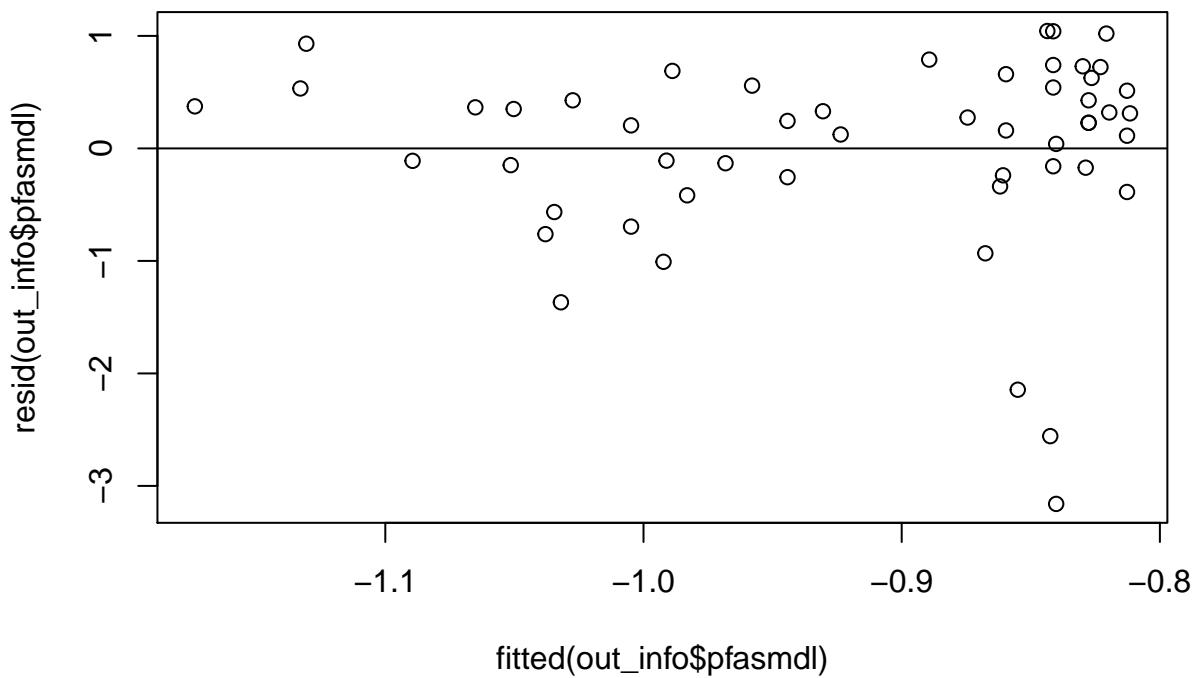
**Normal Q-Q Plot**



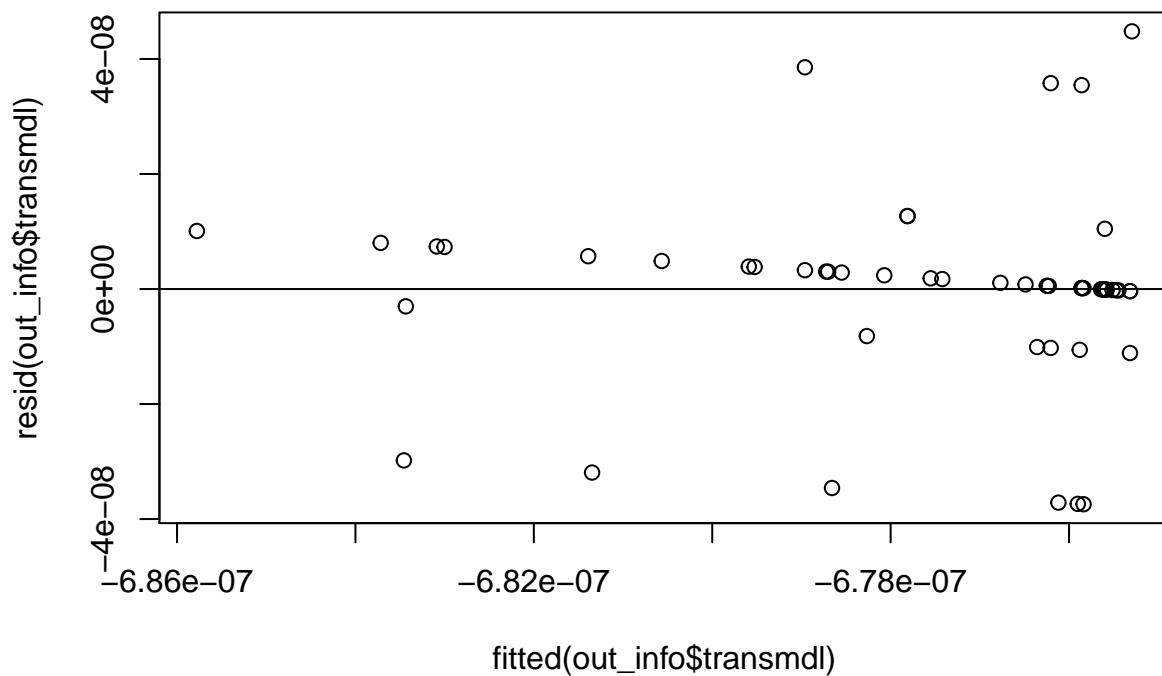
### Normal Q-Q Plot



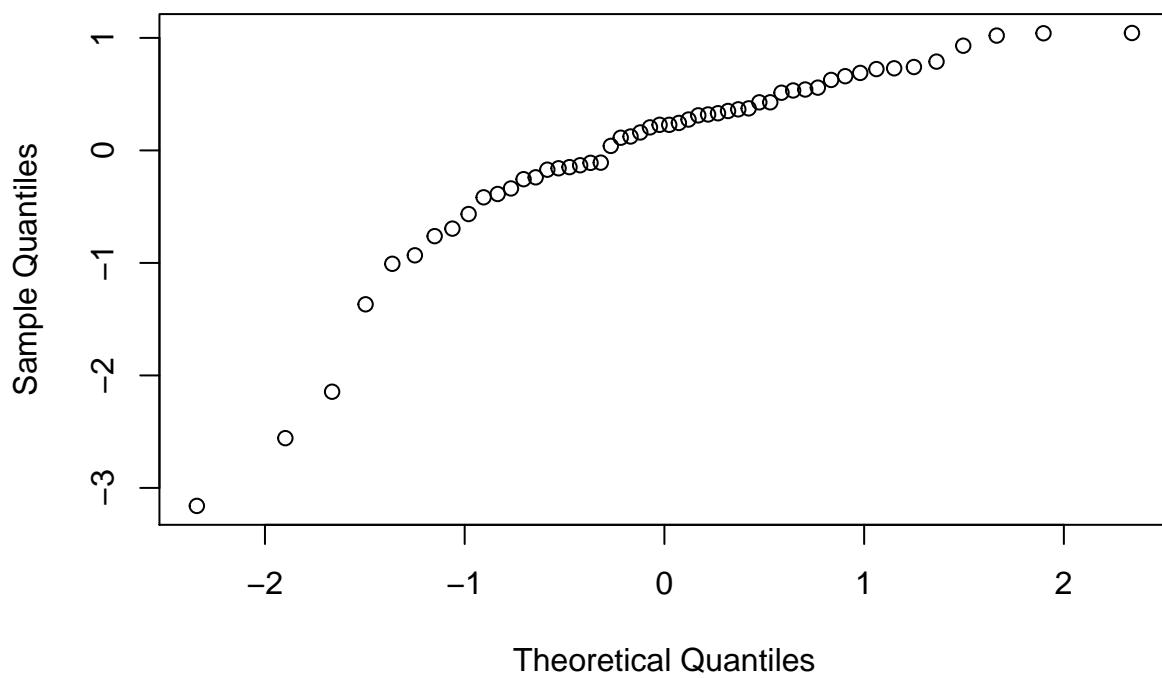
**Plot of nPFO\$orig +  
Plot of nPFO\$origdays.since.struc.MRF  
Plot of nPFO\$origEthnicity**



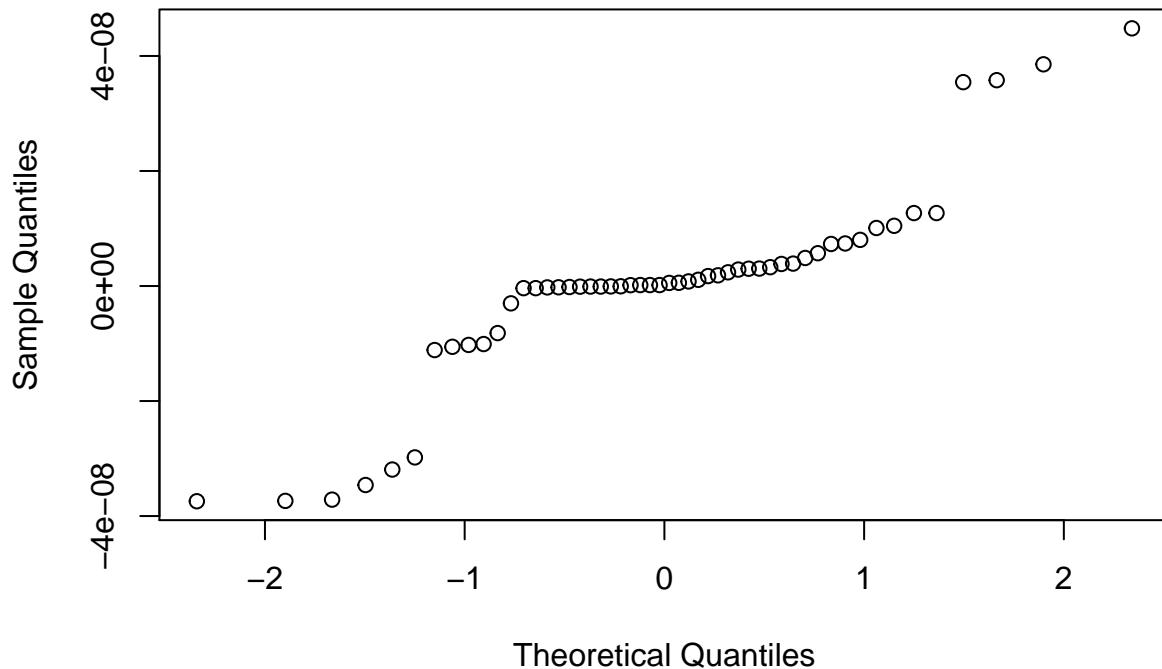
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



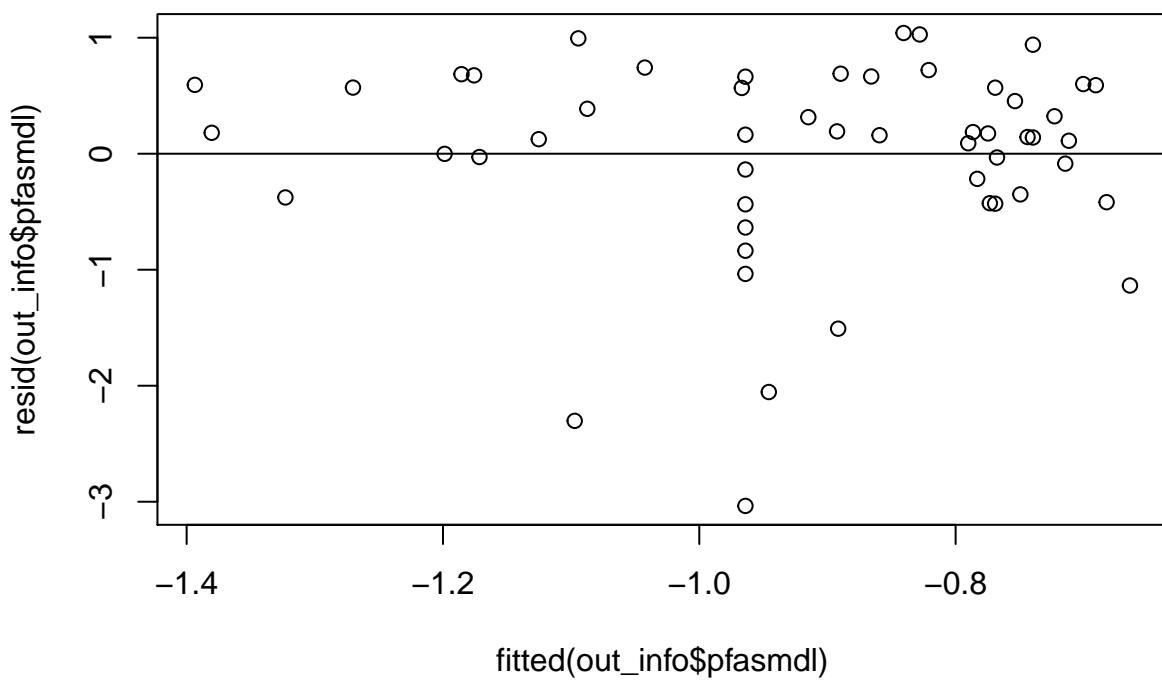
**Normal Q-Q Plot**



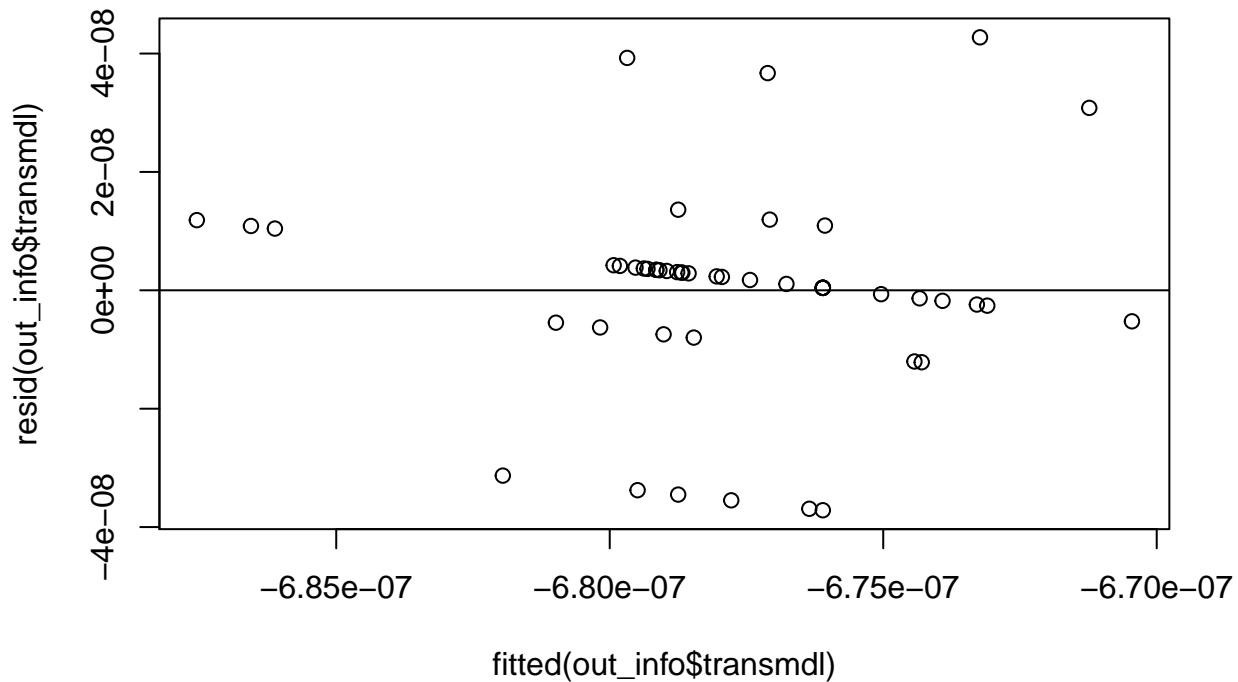
### Normal Q-Q Plot



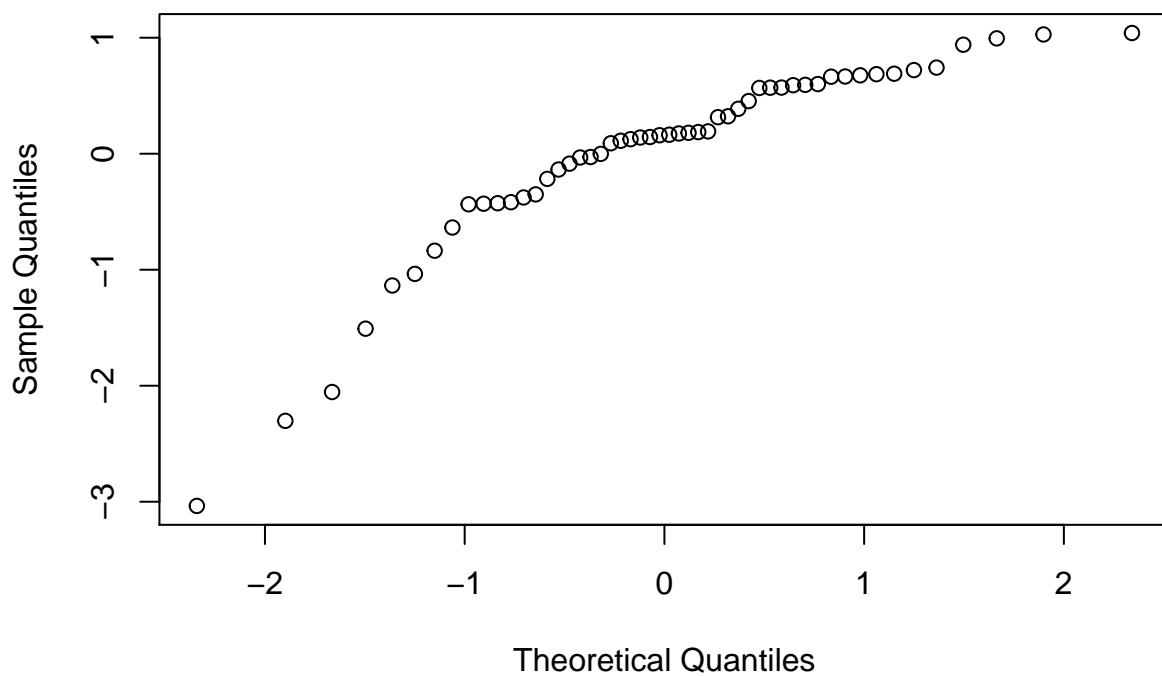
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



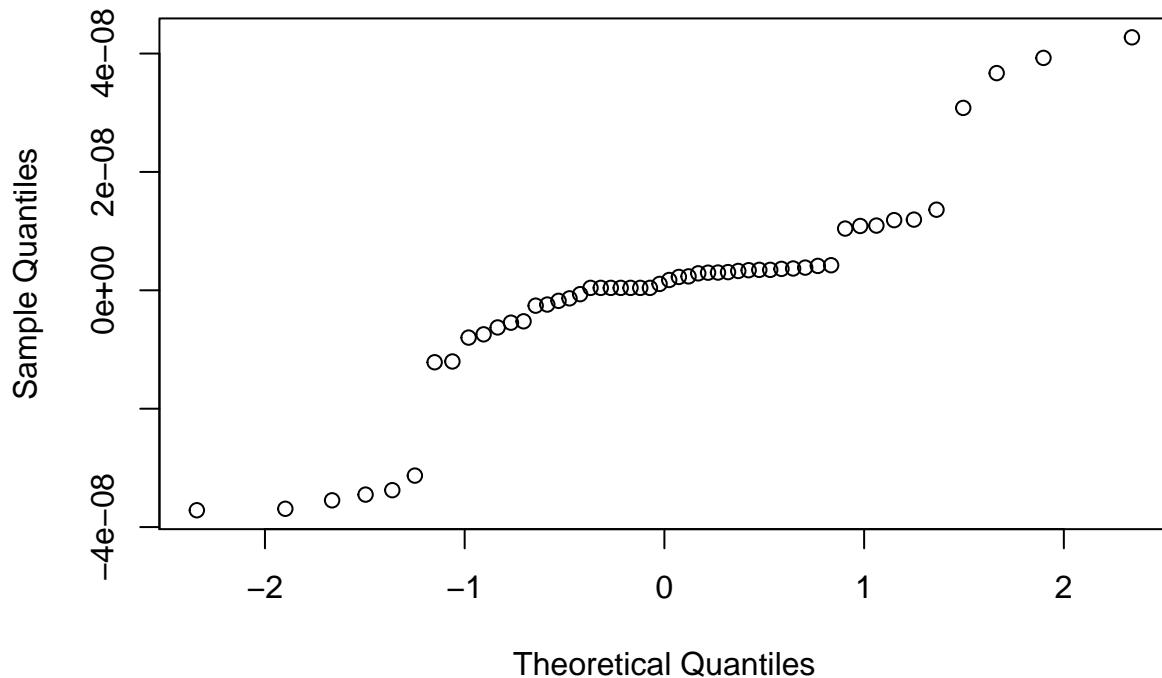
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



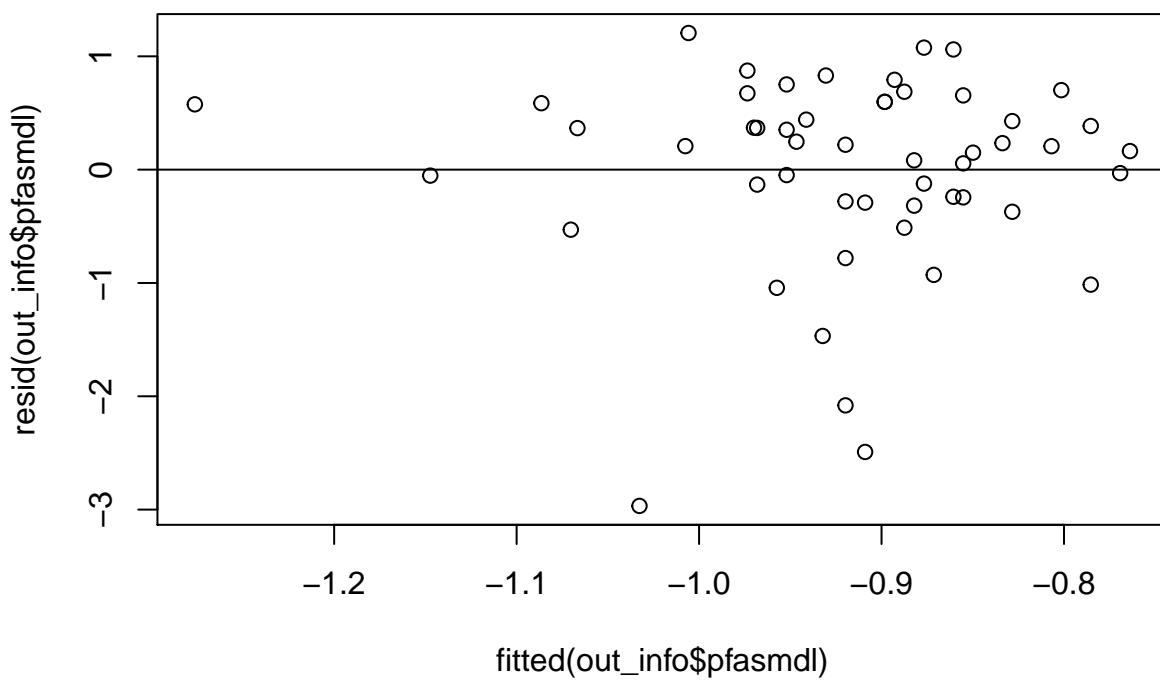
**Normal Q-Q Plot**



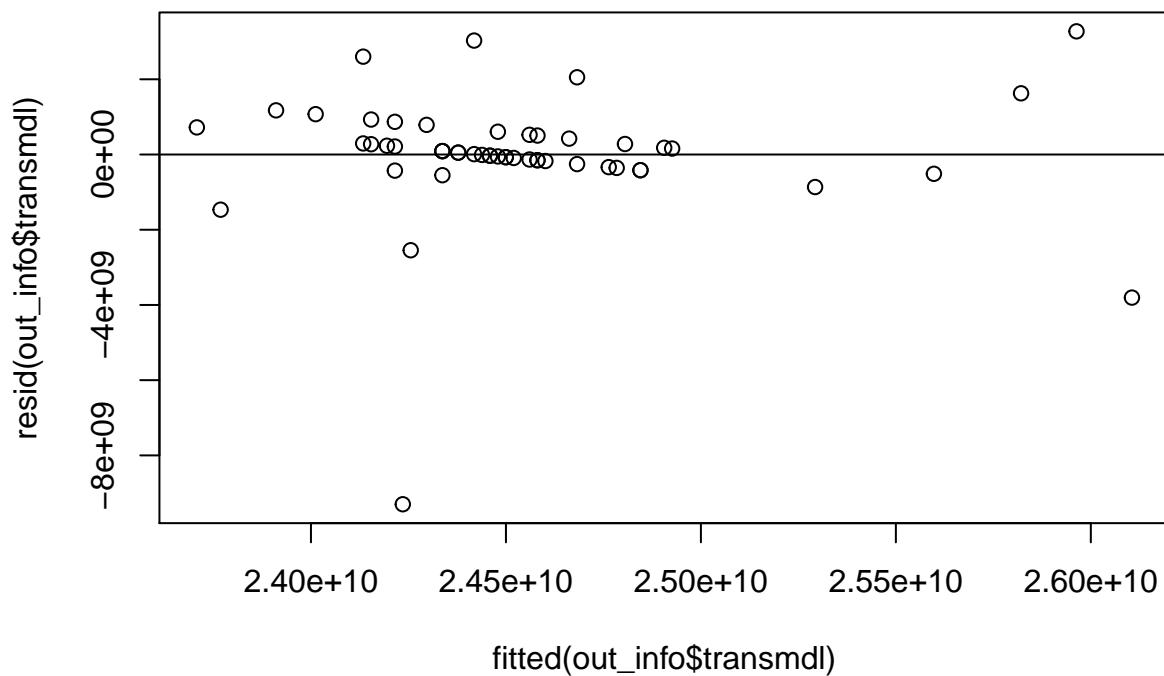
### Normal Q-Q Plot



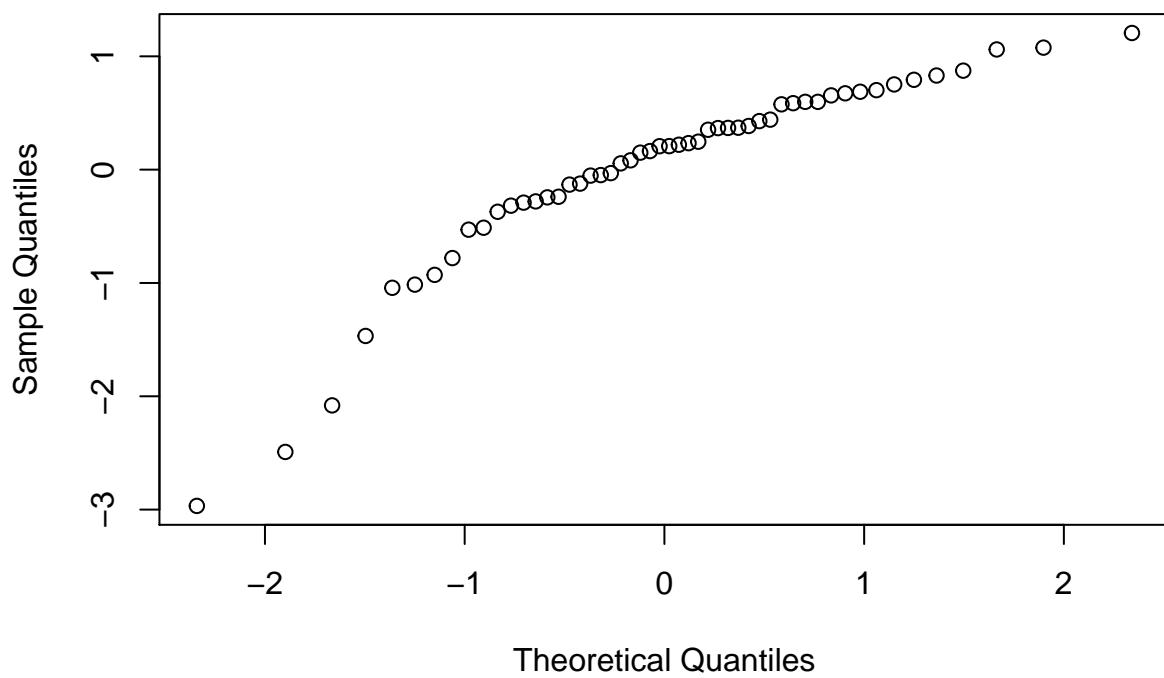
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$origEthnicity**



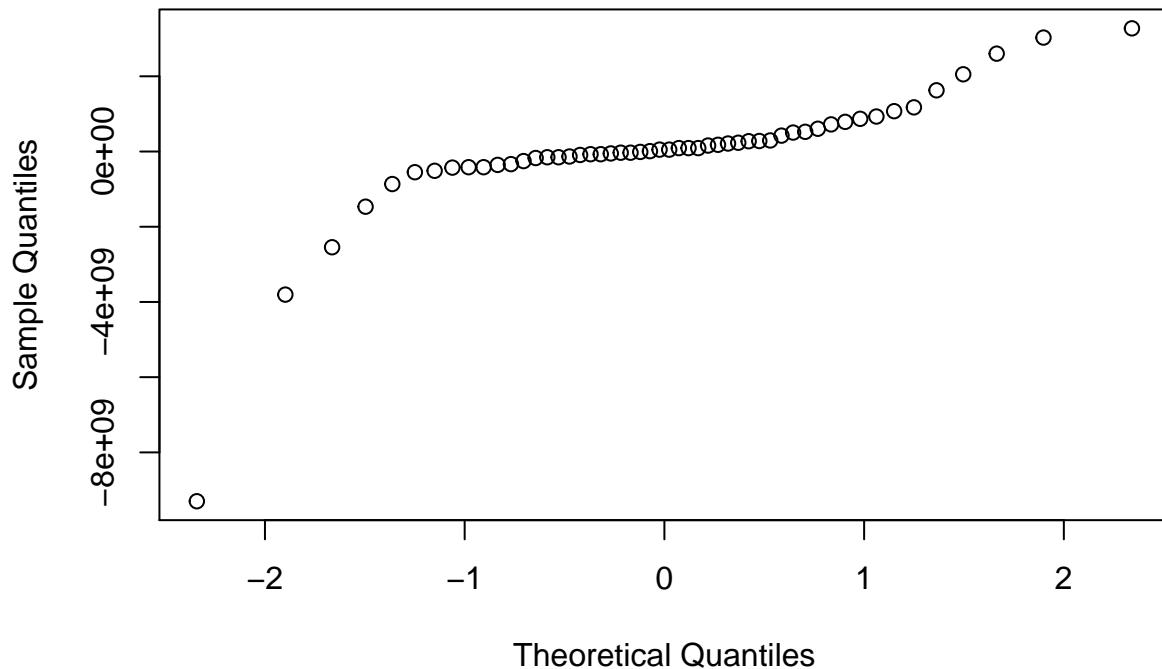
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



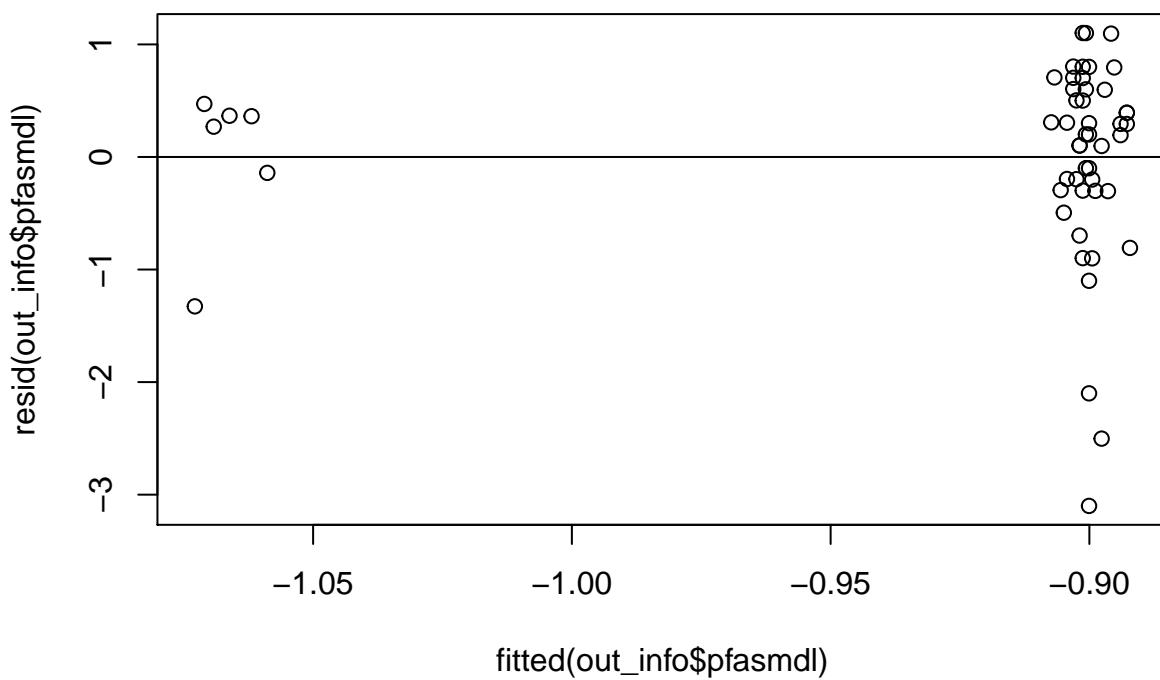
**Normal Q-Q Plot**



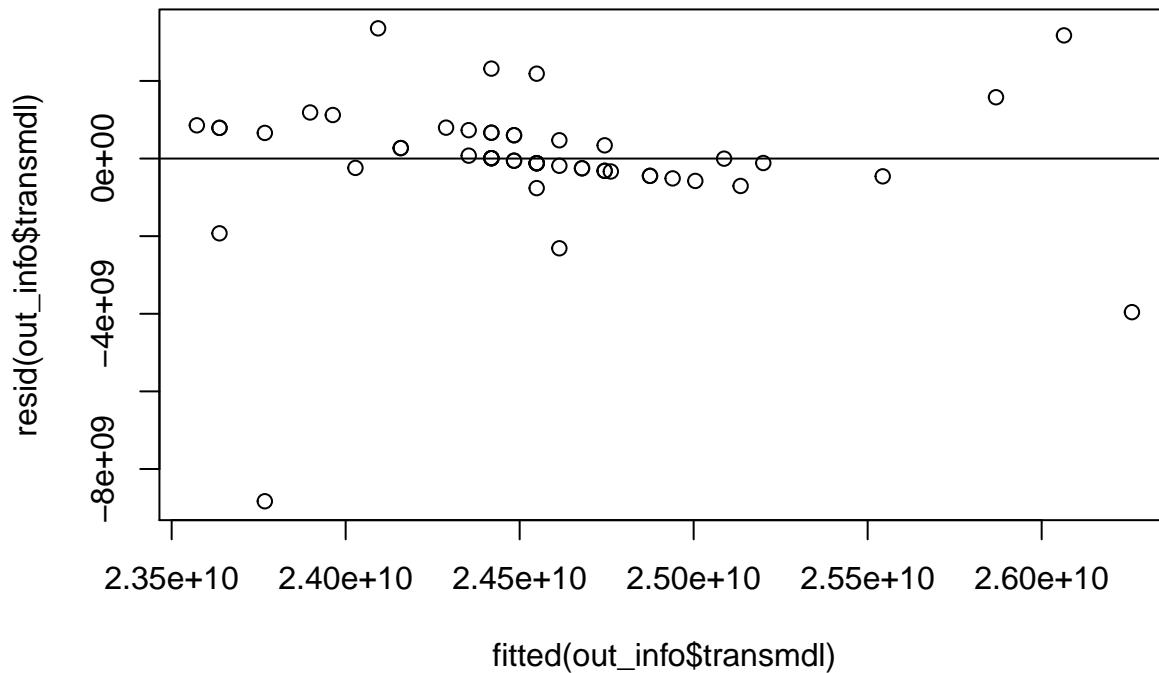
### Normal Q-Q Plot



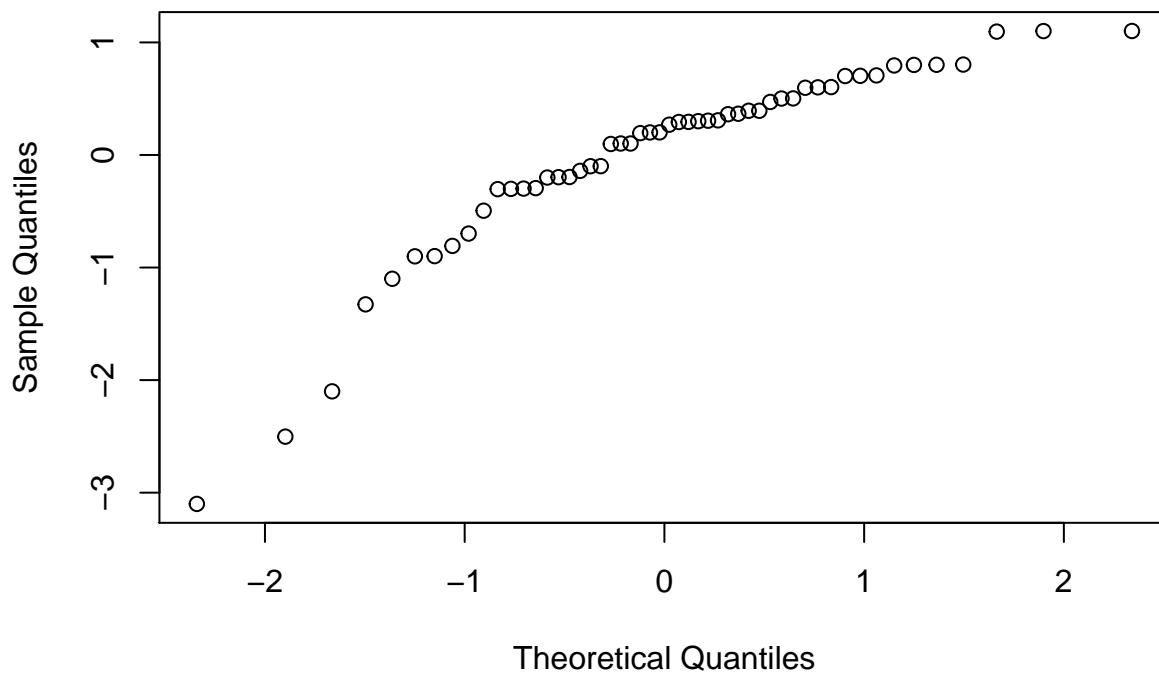
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.num.fireruns  
Plot of nPFO\$origEthnicity**



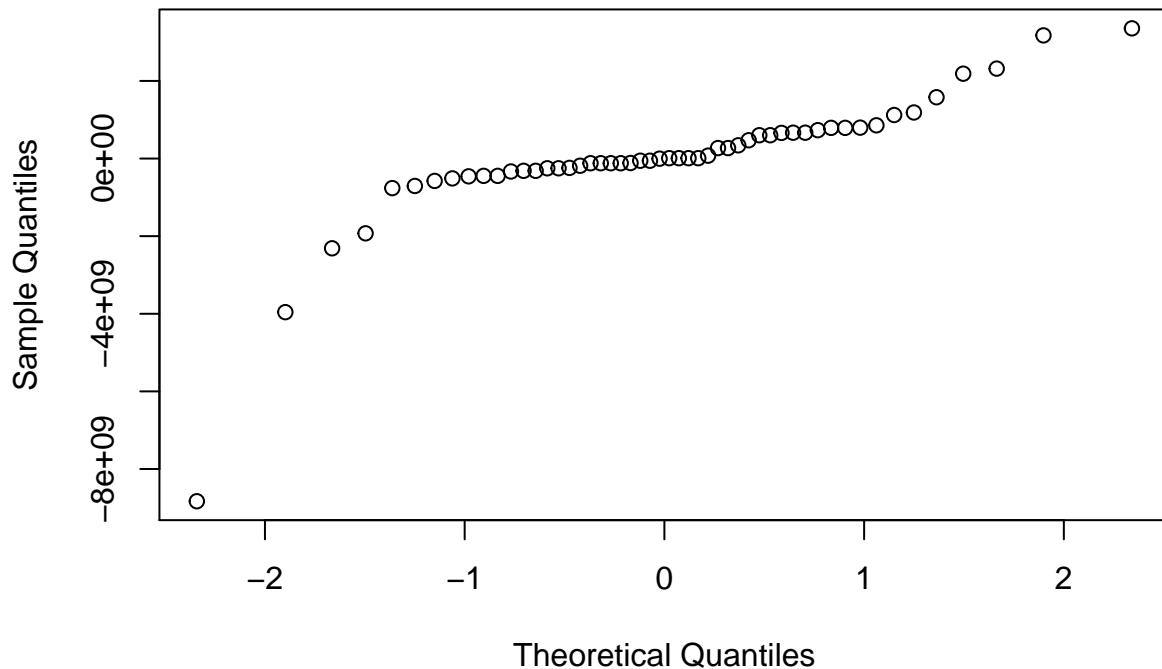
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



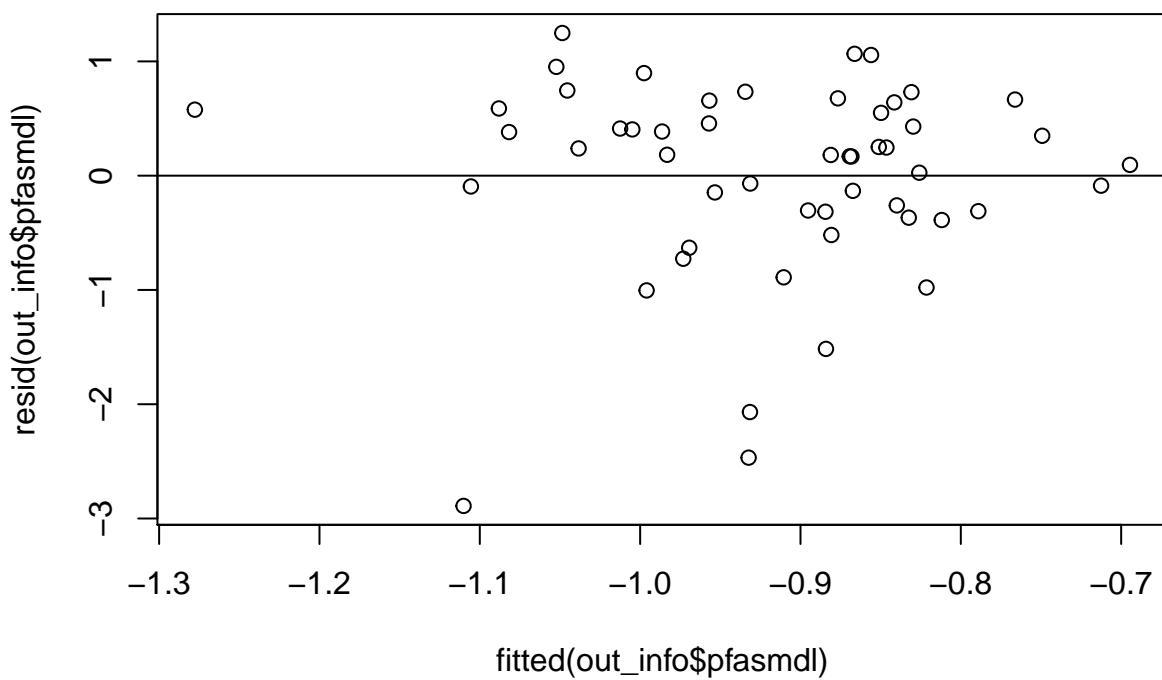
**Normal Q-Q Plot**



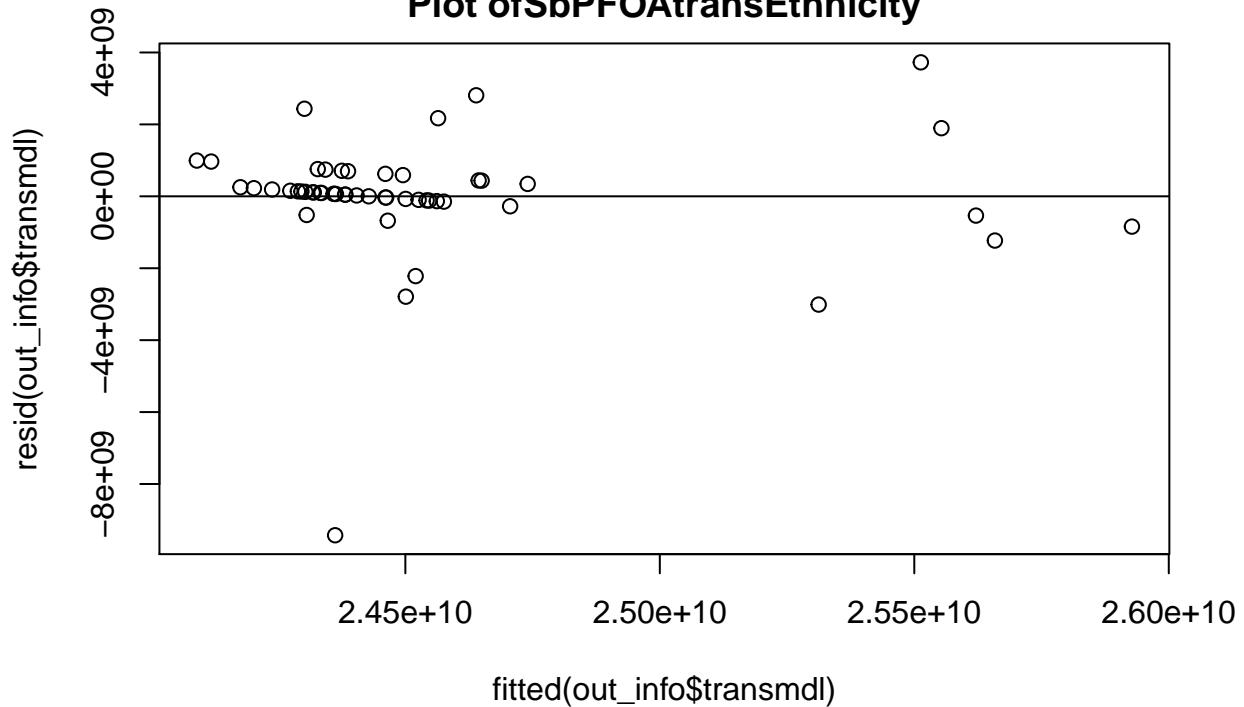
### Normal Q-Q Plot



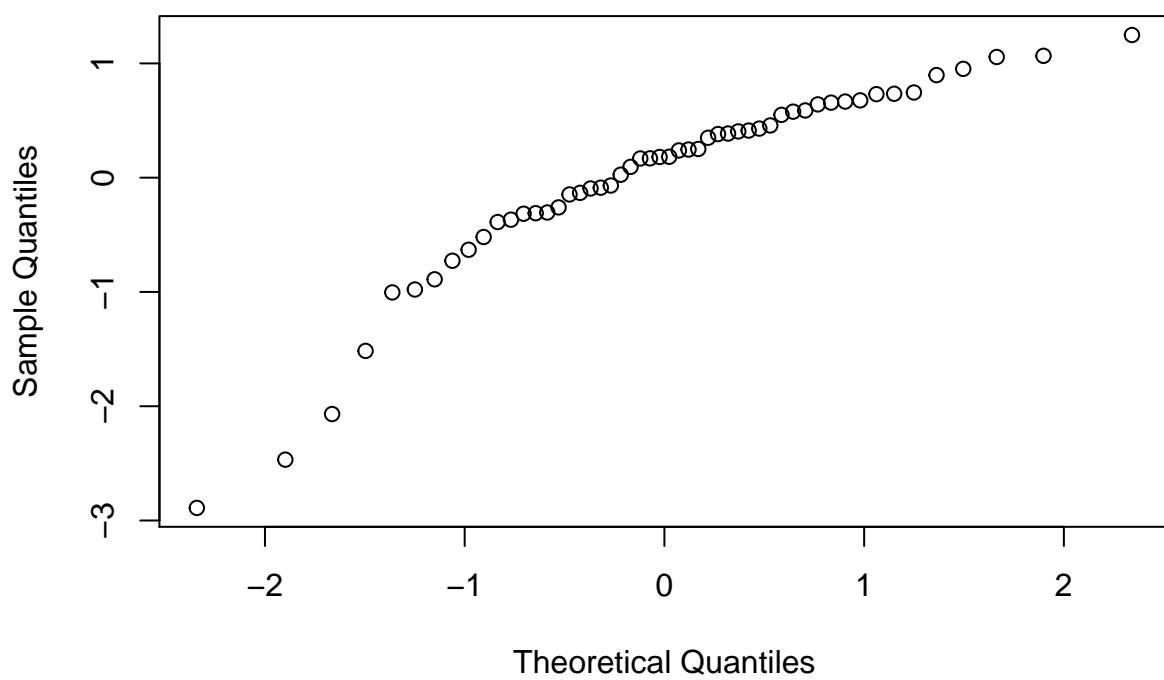
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**

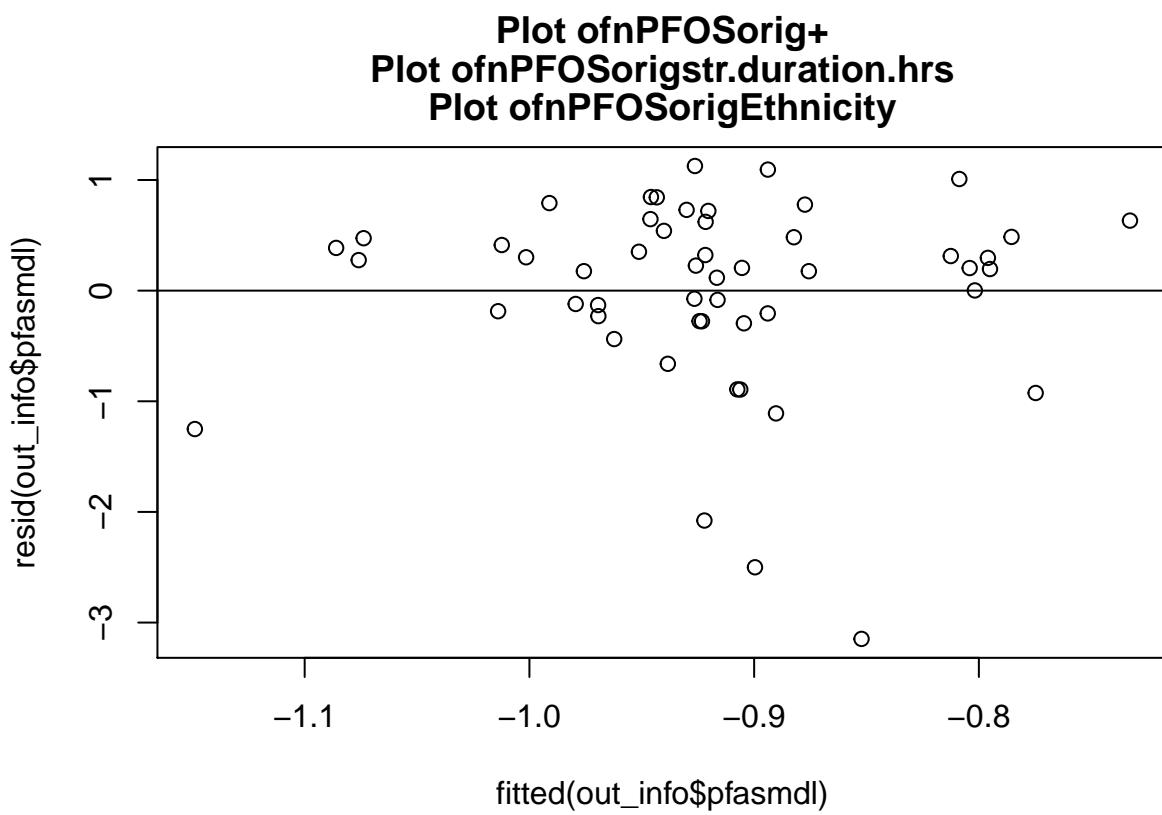
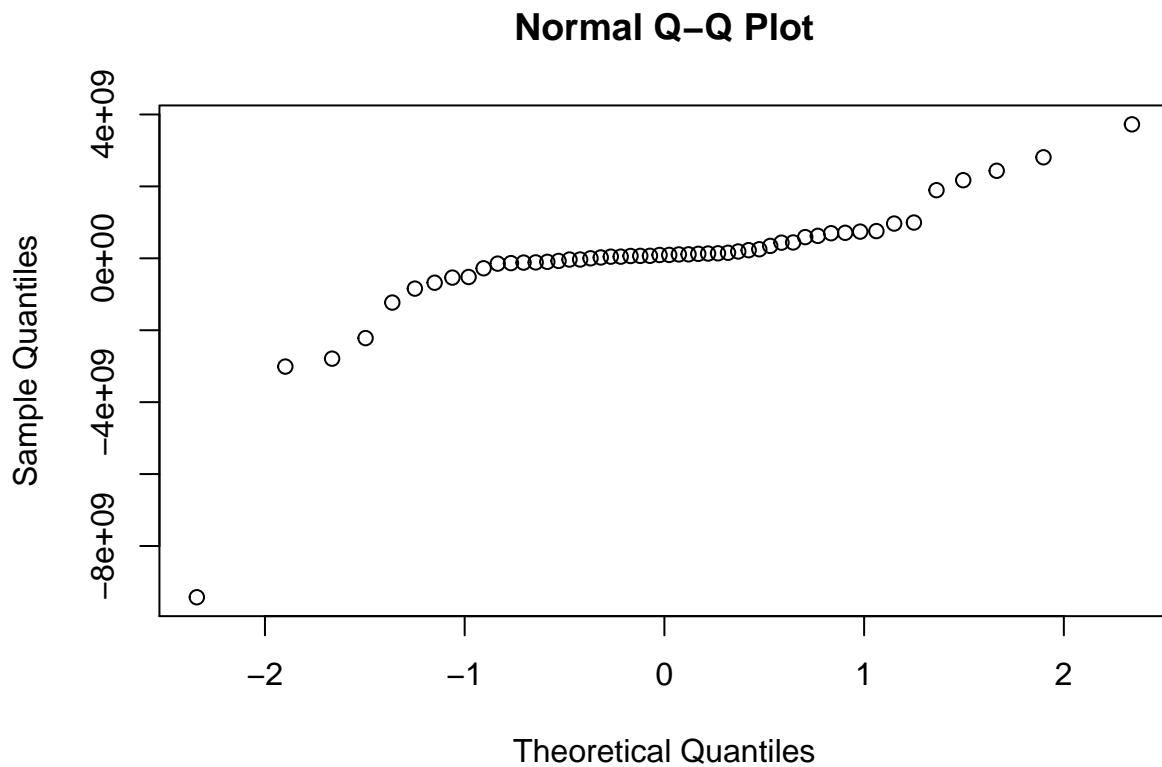


**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**

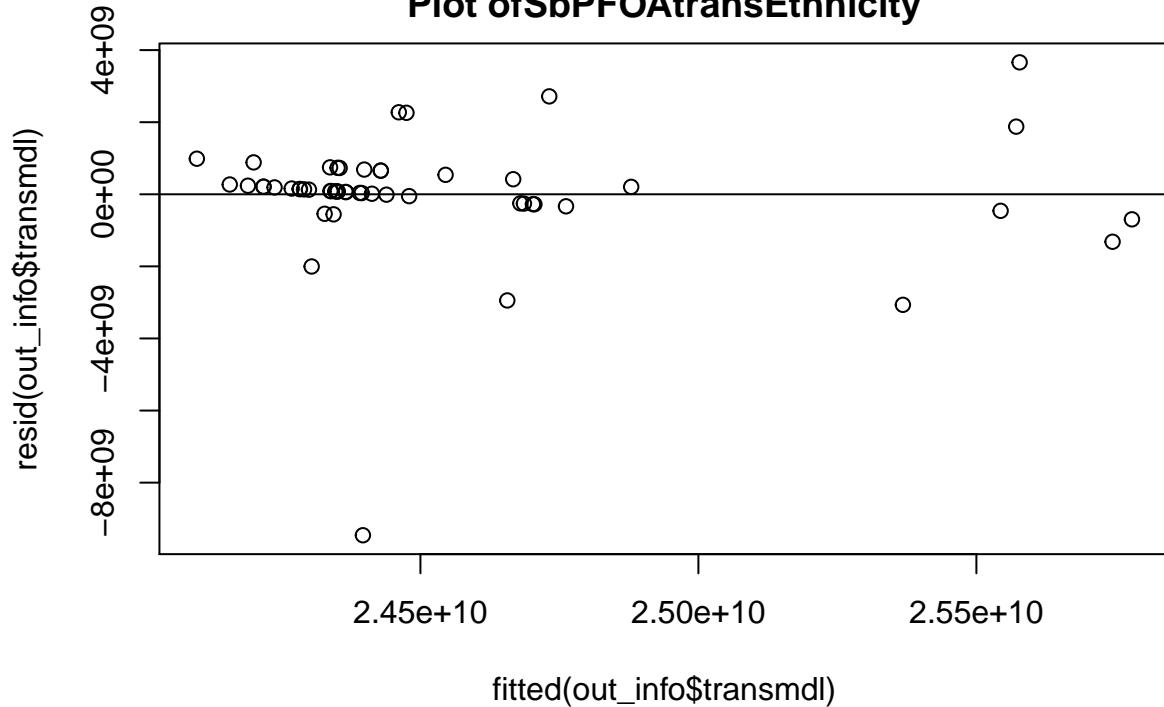


**Normal Q-Q Plot**

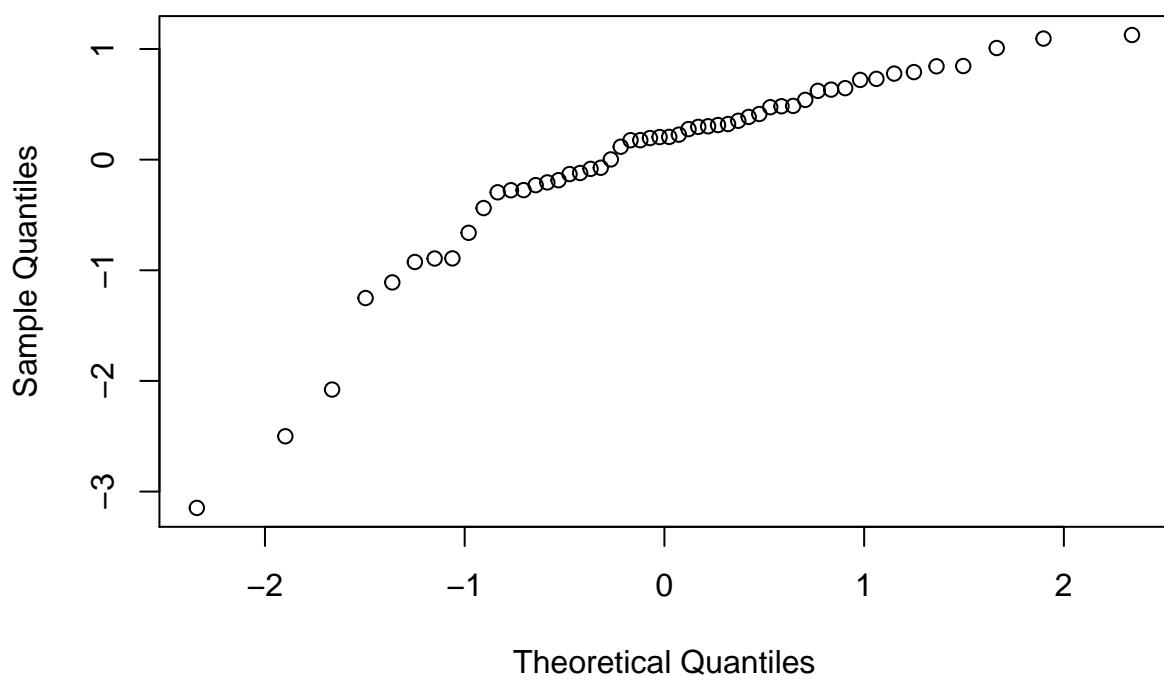


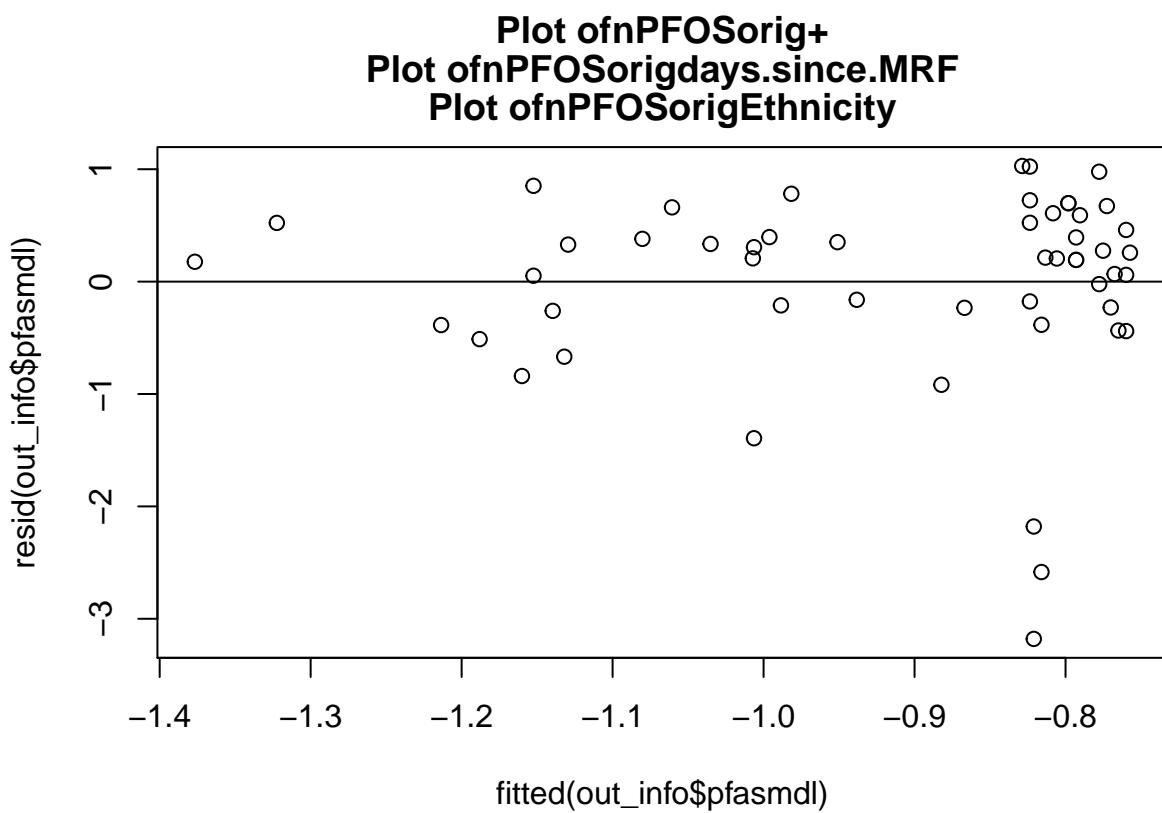
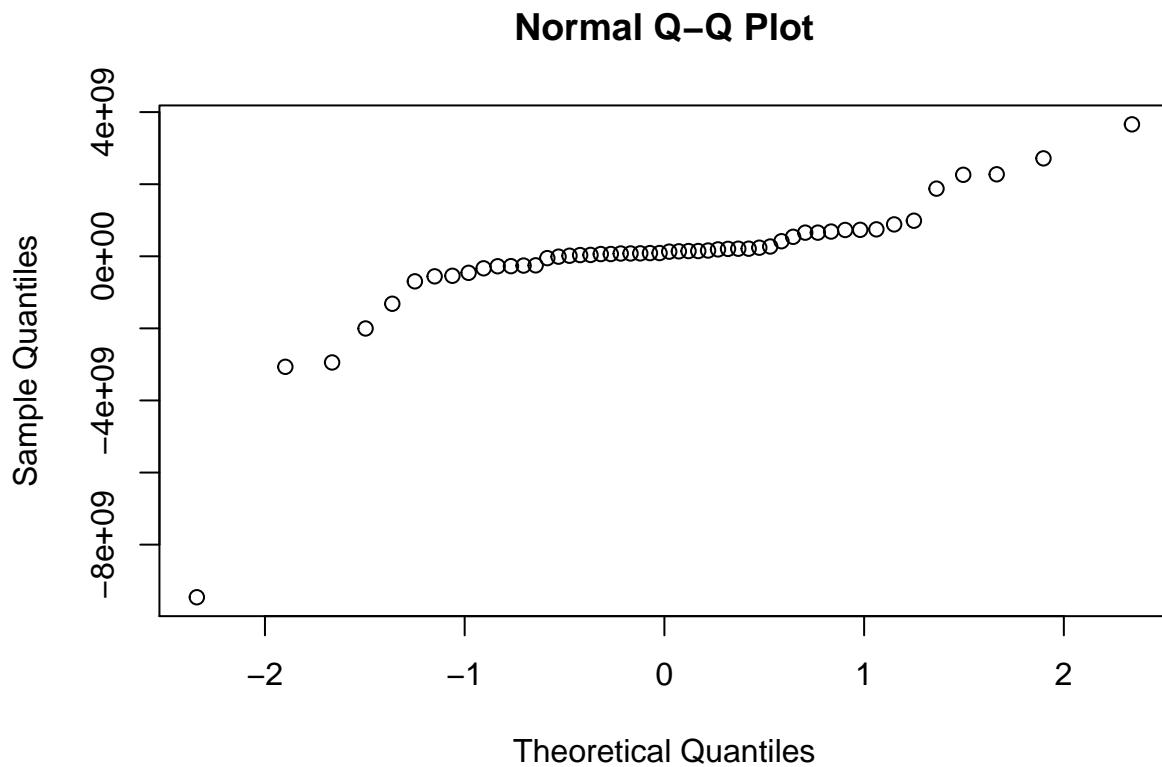


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

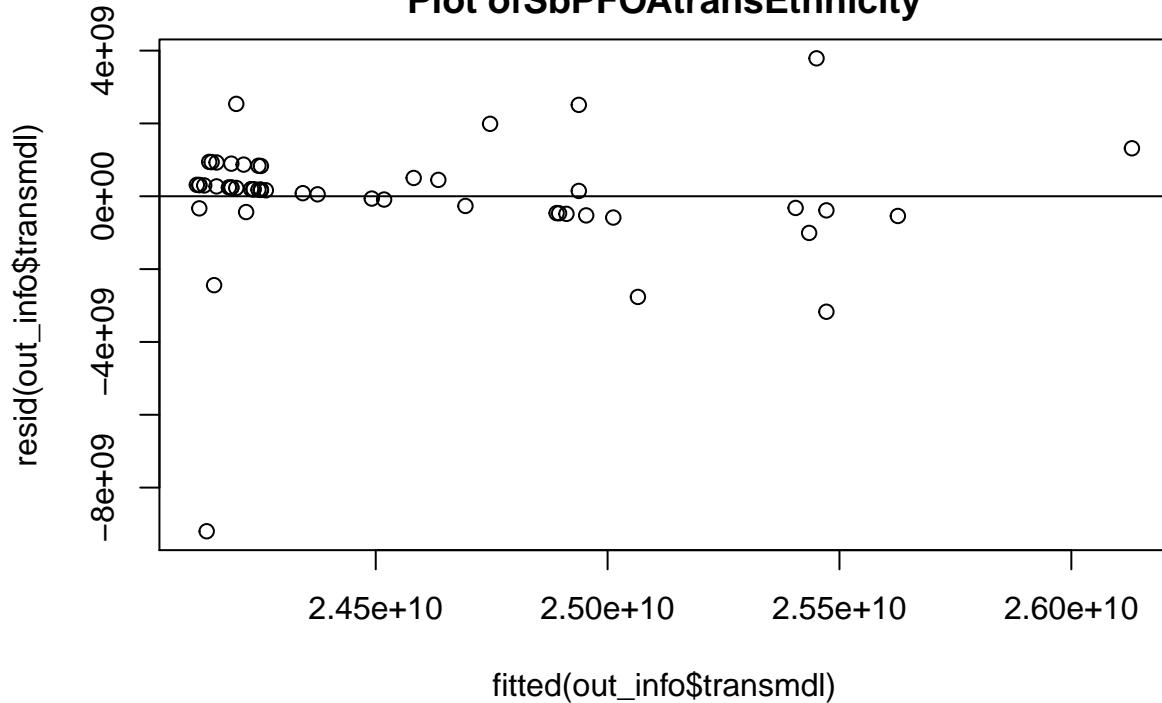


**Normal Q-Q Plot**

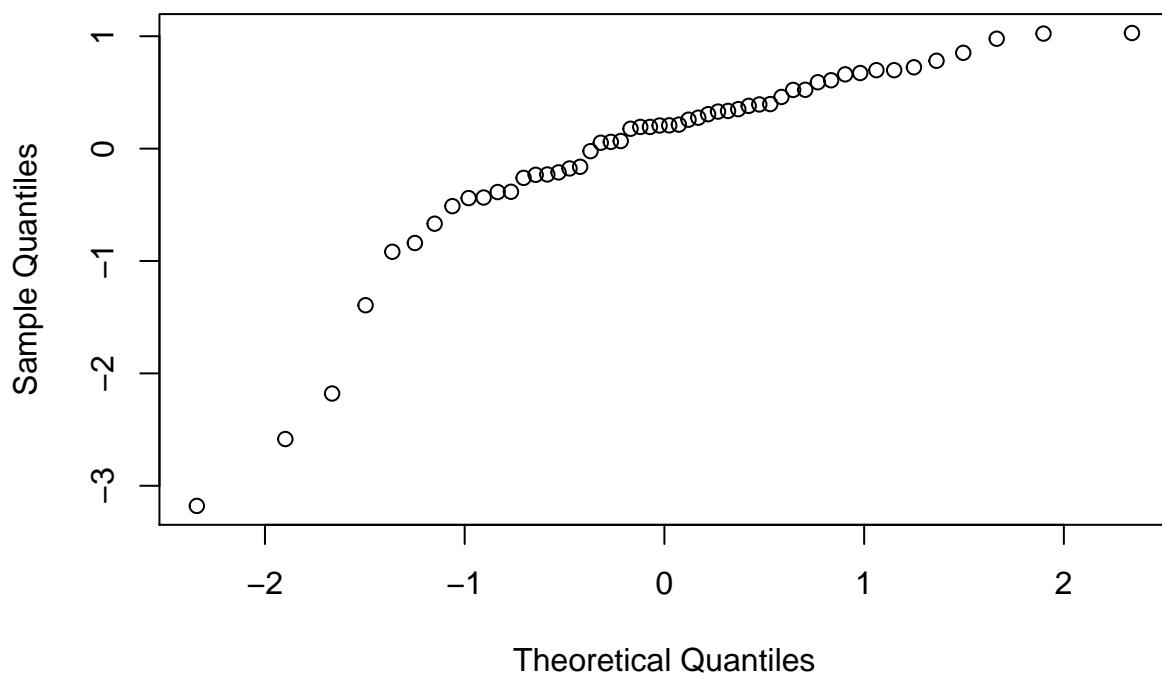


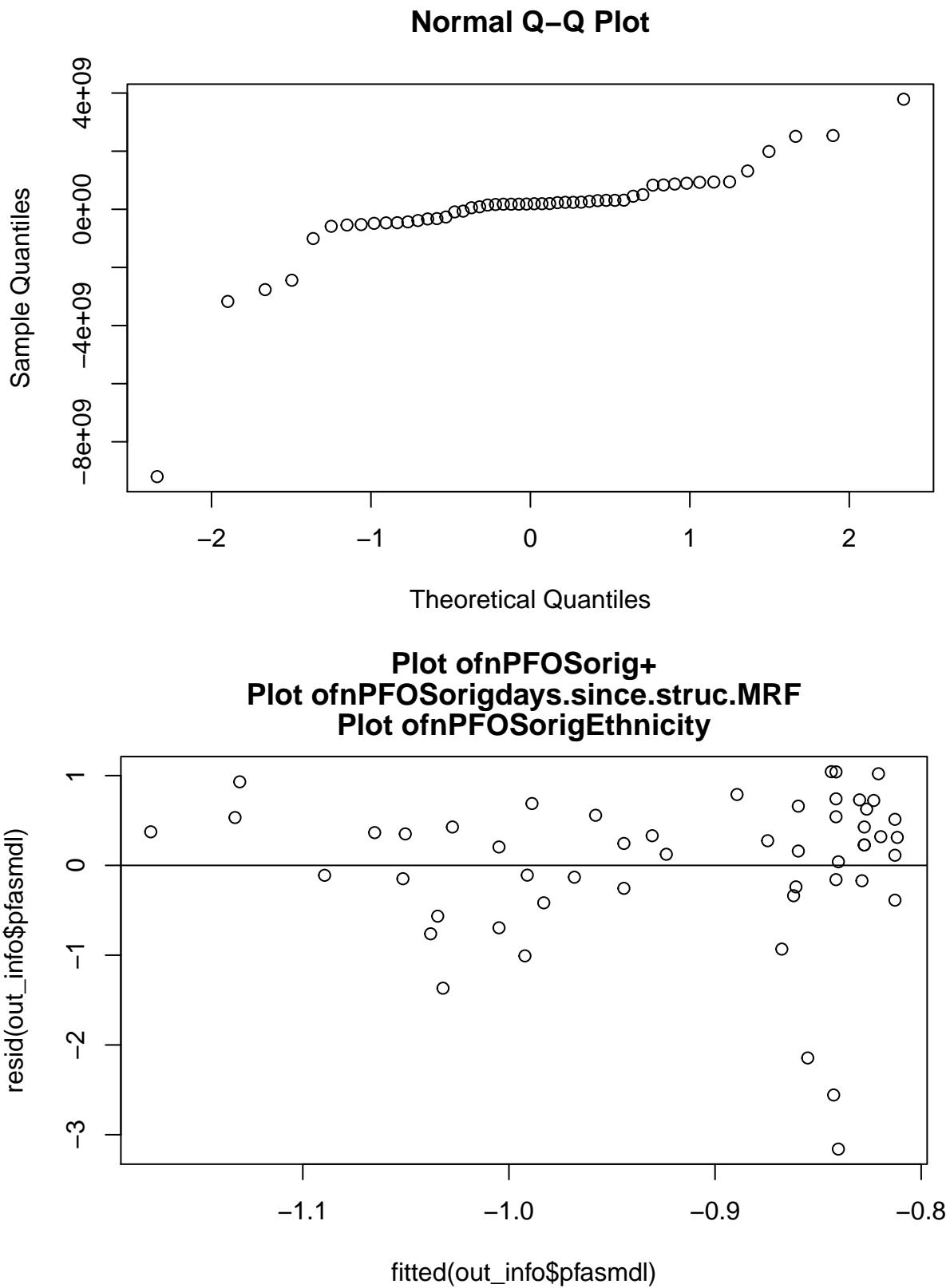


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

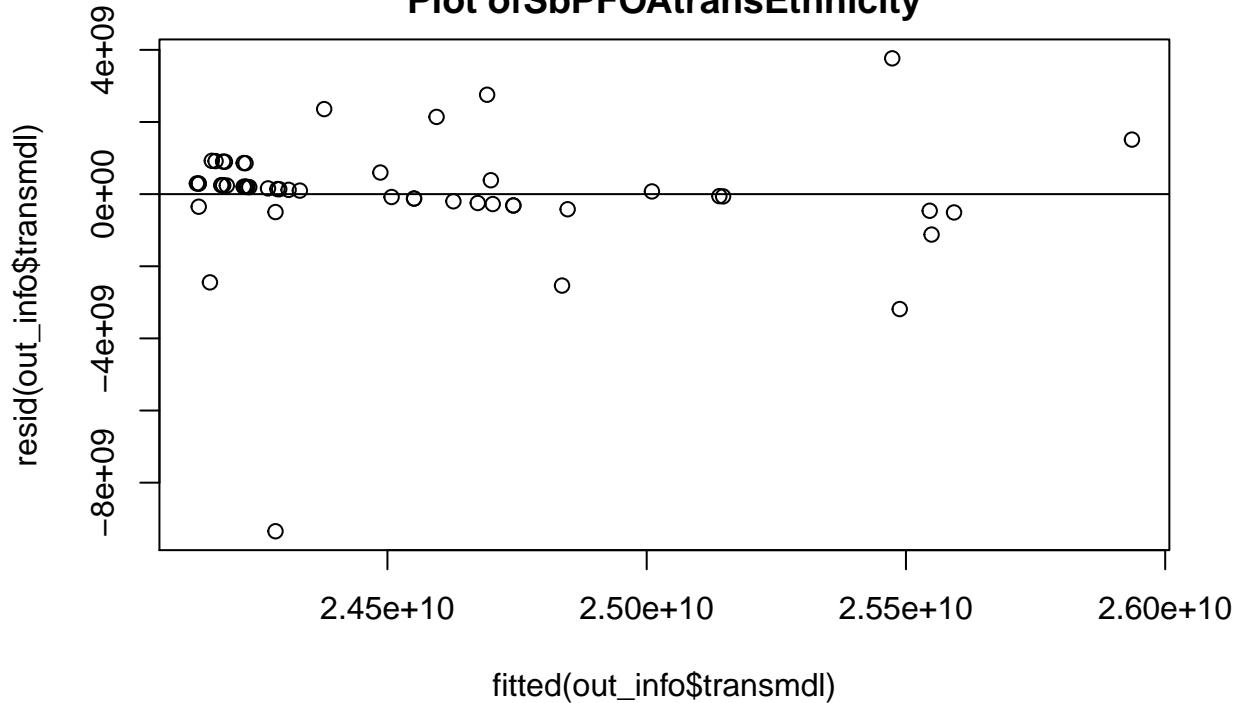


**Normal Q-Q Plot**

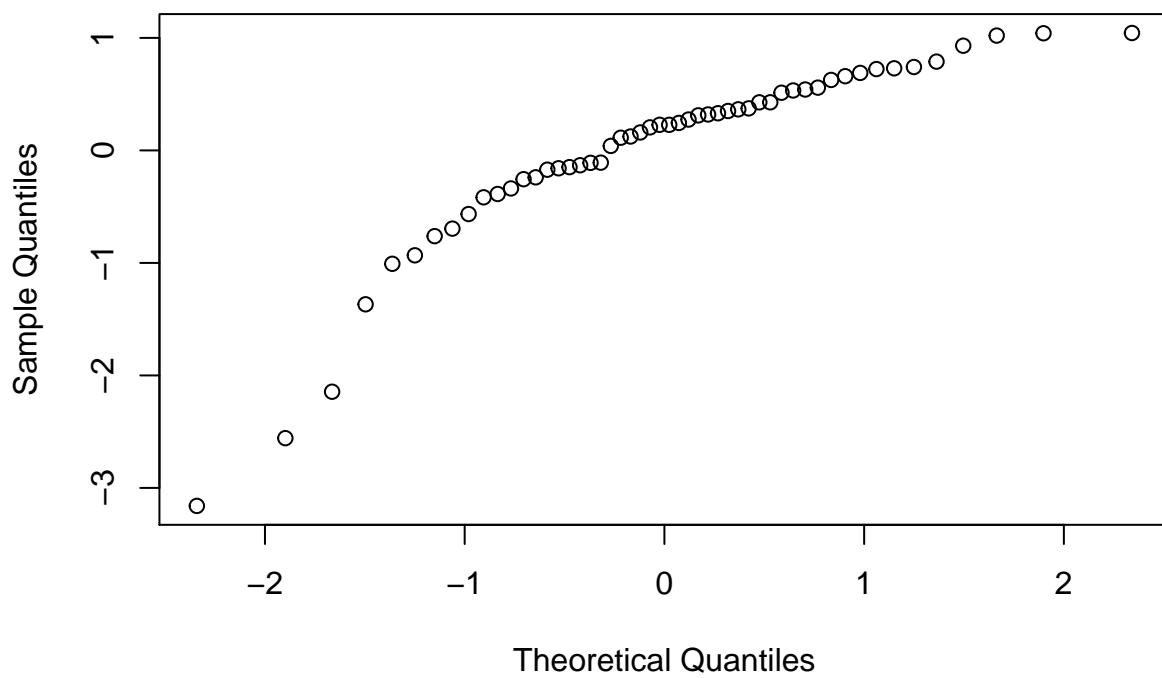


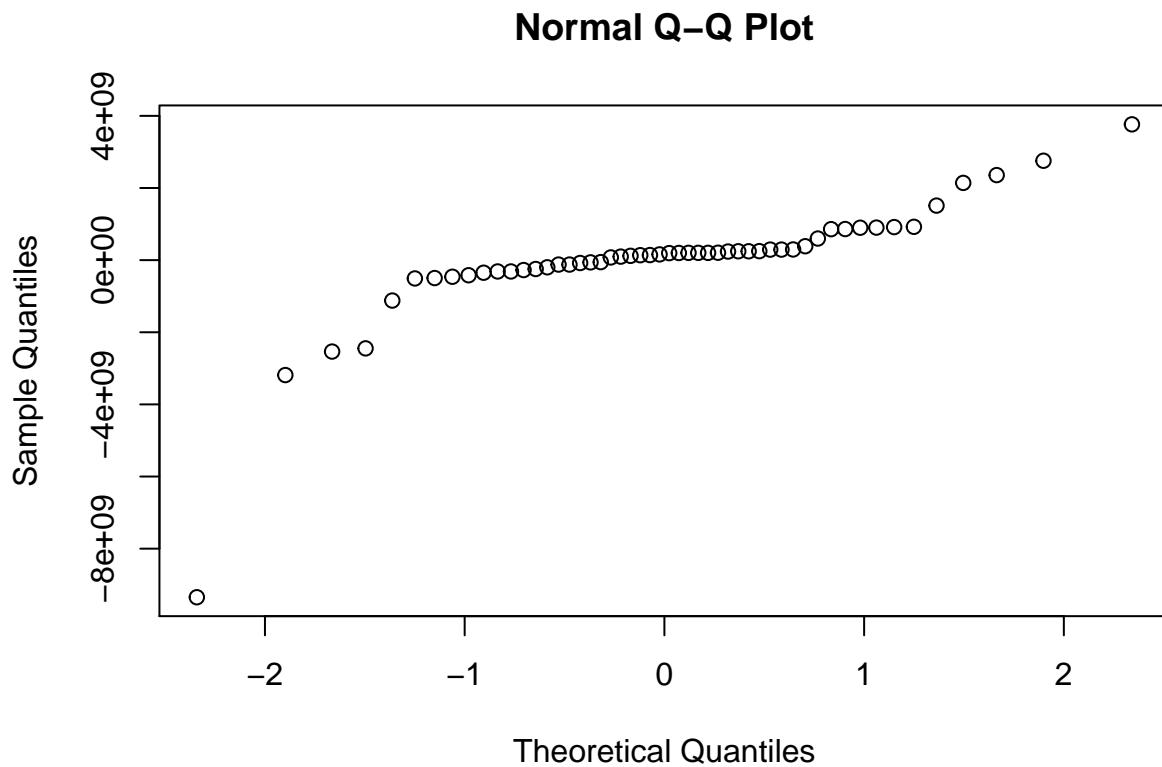


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**

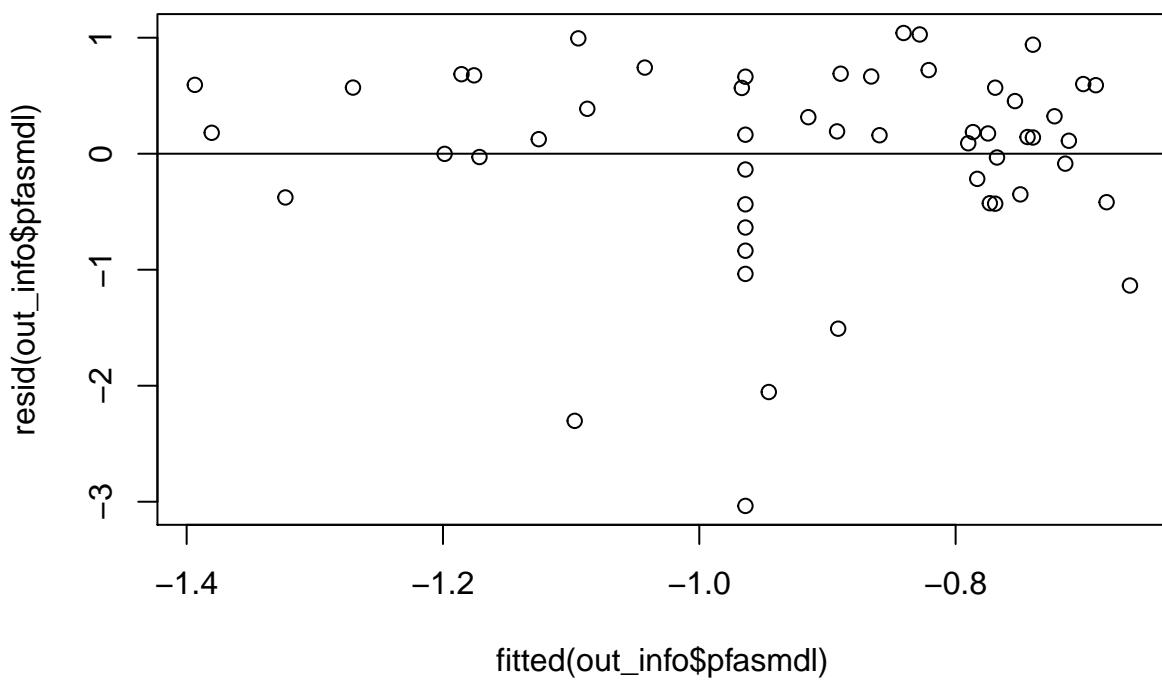


**Normal Q-Q Plot**

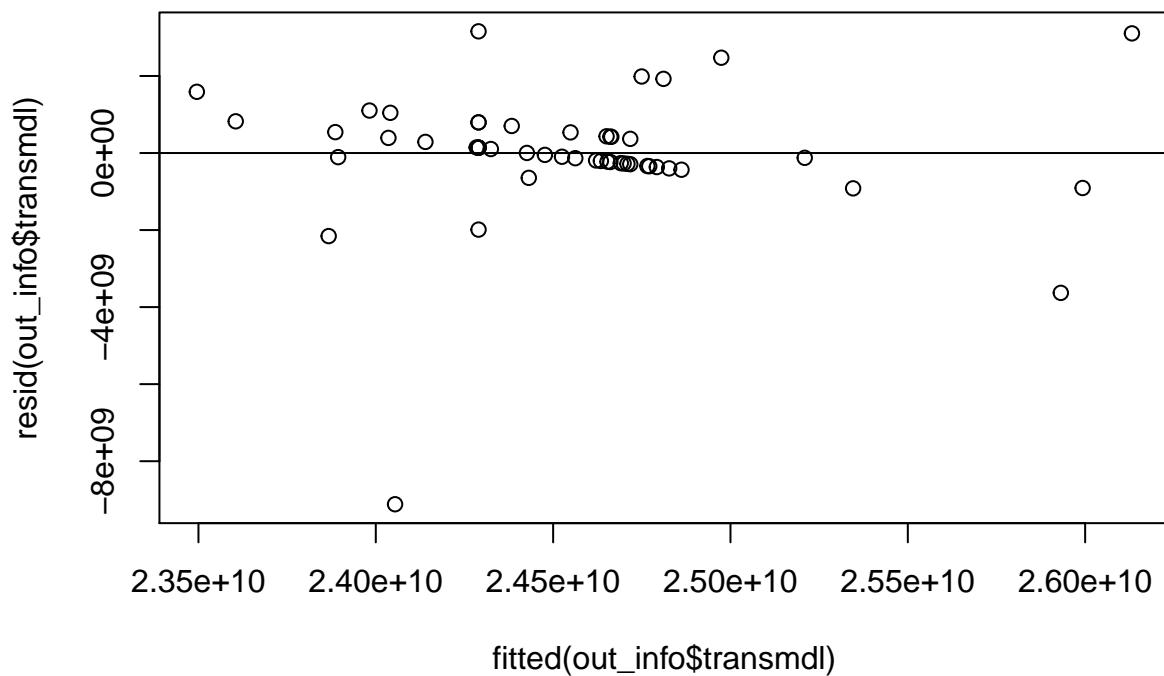




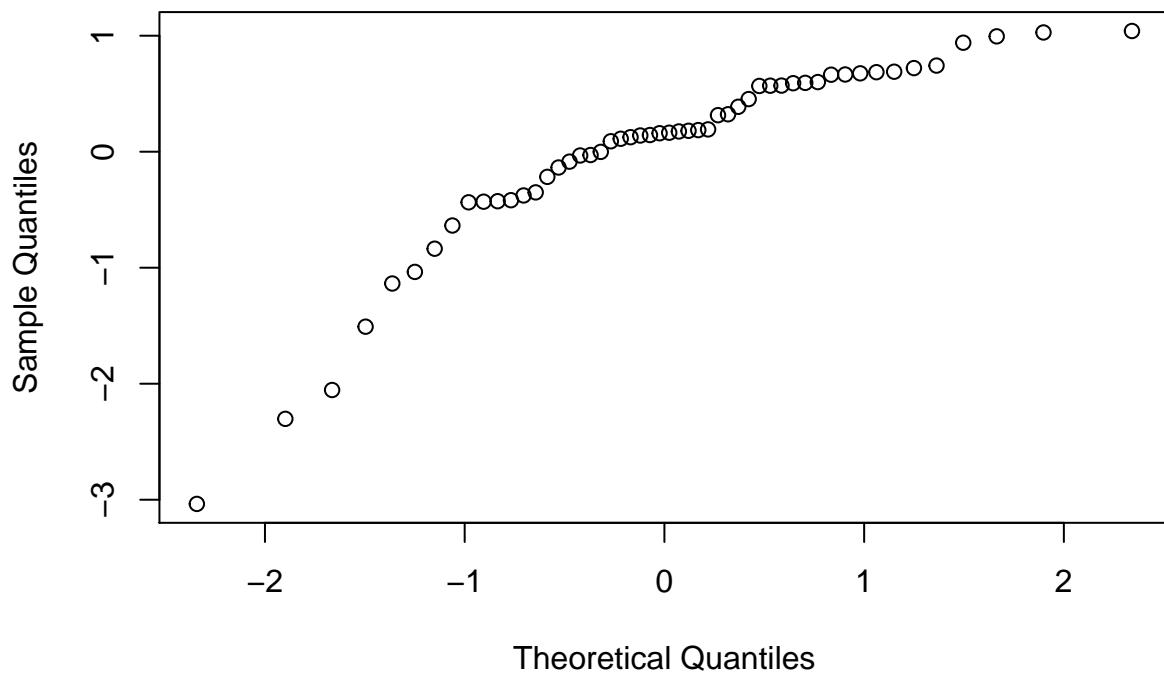
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



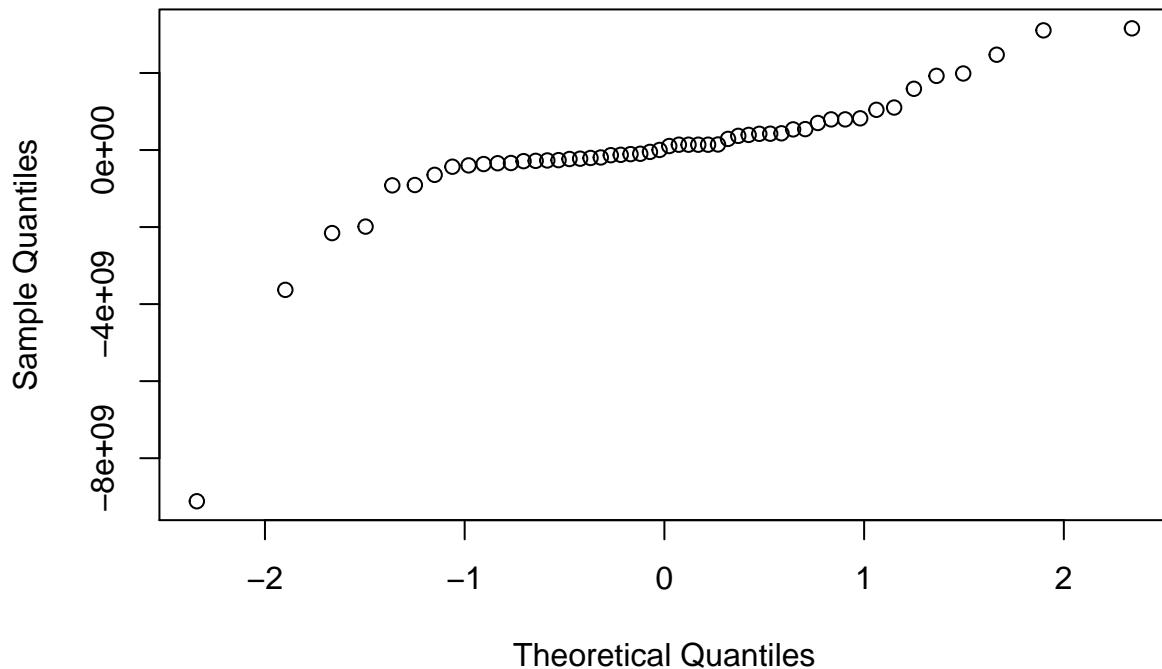
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



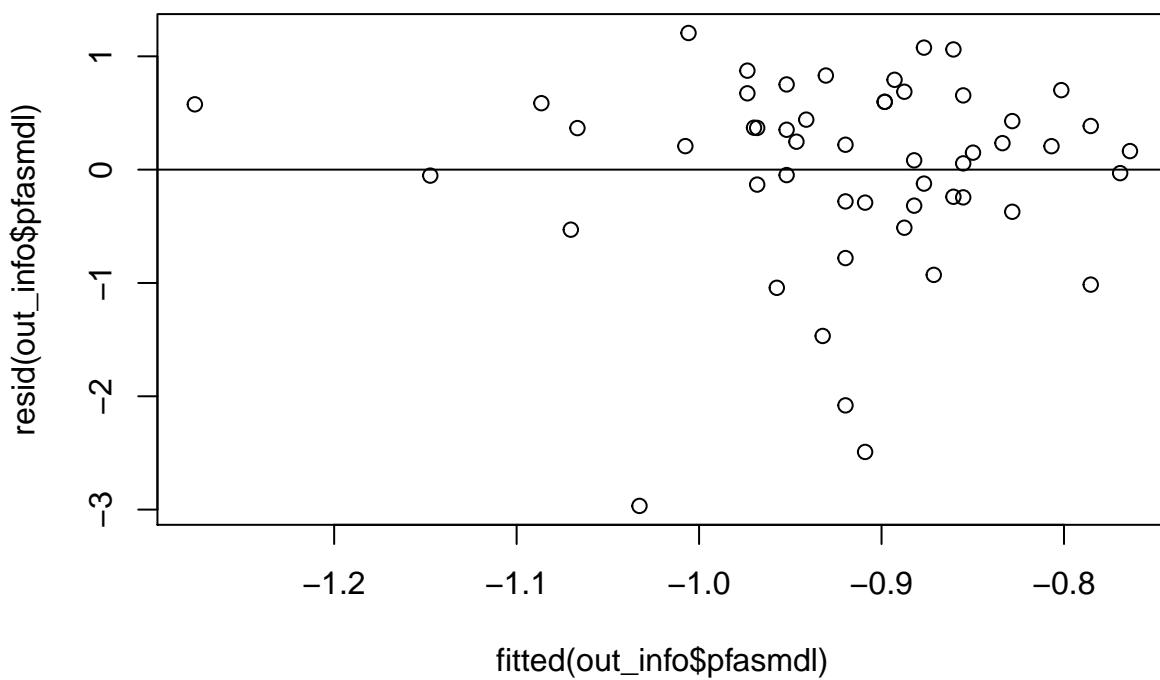
**Normal Q-Q Plot**



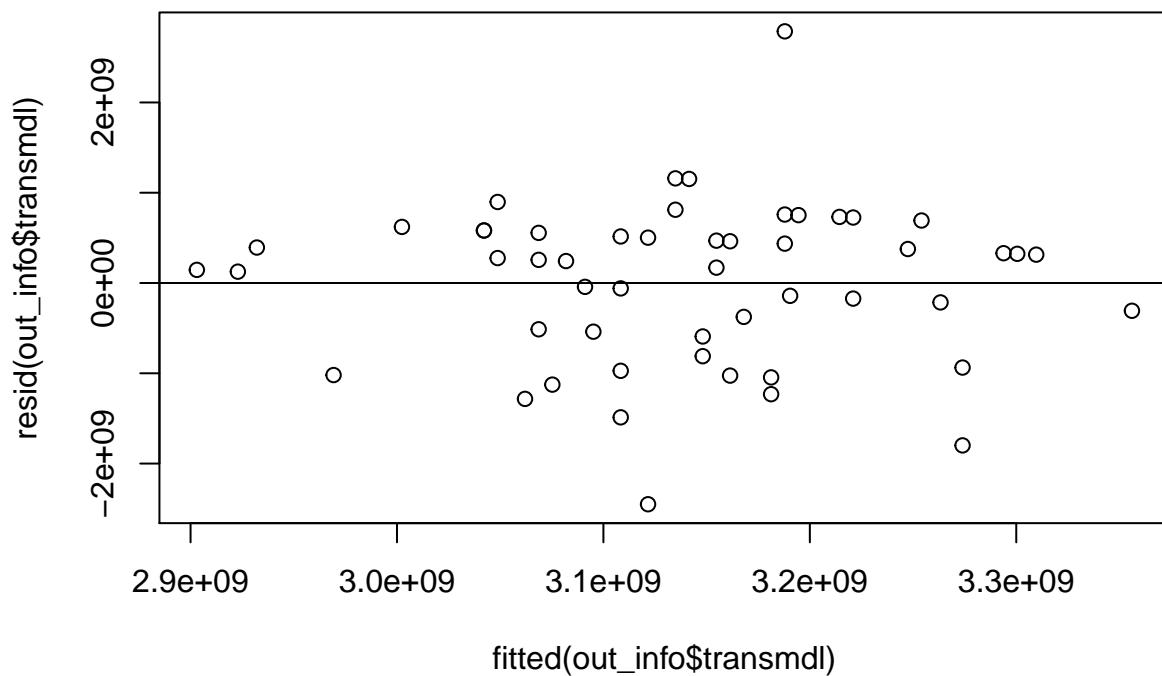
### Normal Q-Q Plot



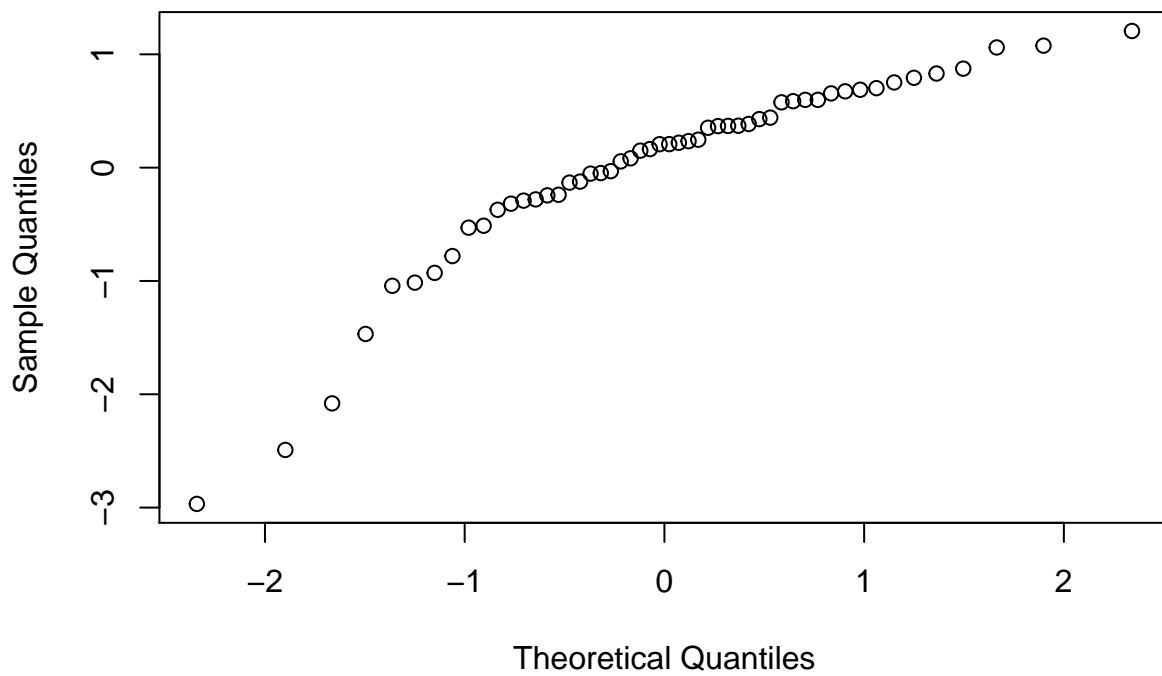
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.num.fireruns  
Plot of nPFO\$origEthnicity**



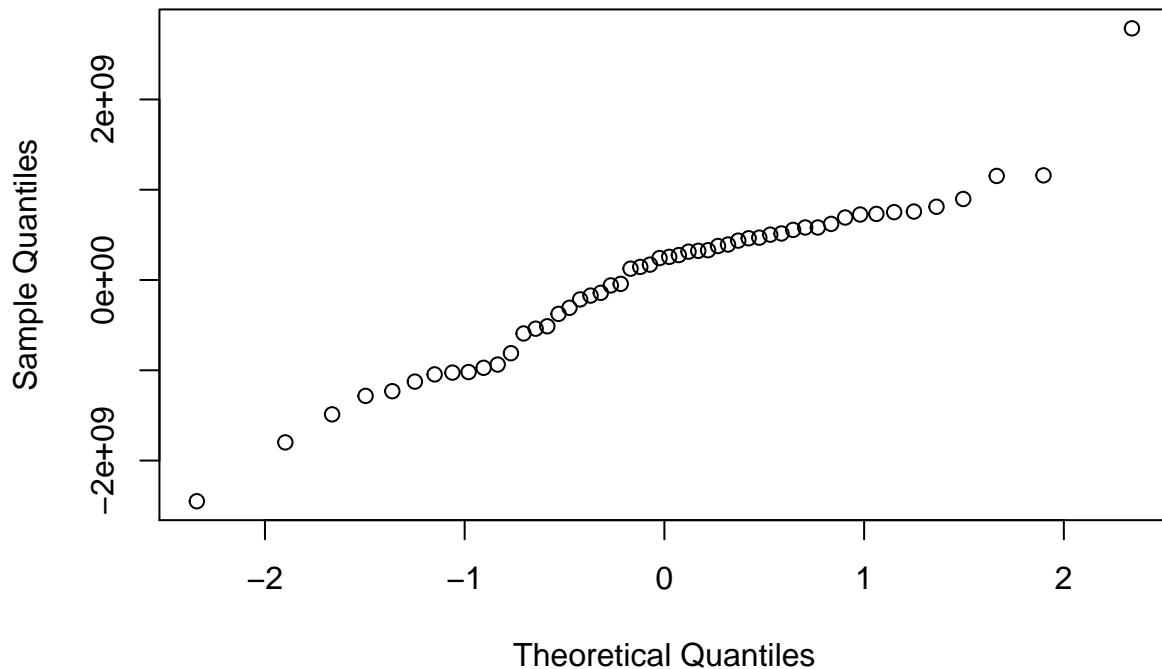
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.num.fireruns  
Plot of SmPFOStransEthnicity**



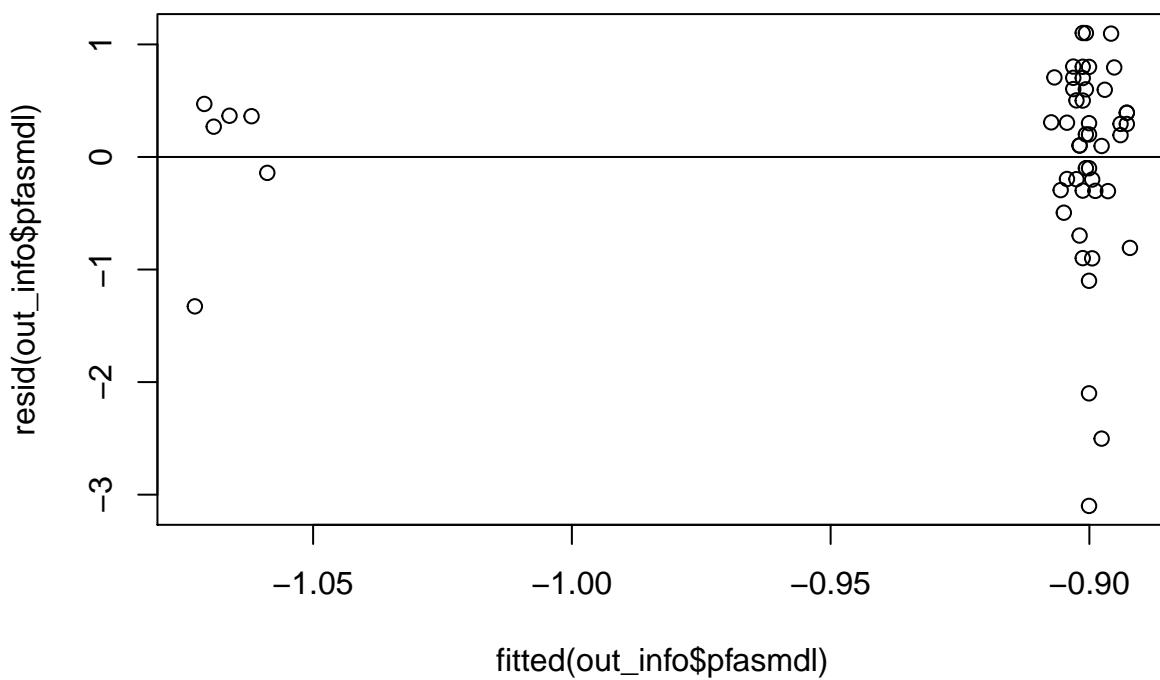
**Normal Q-Q Plot**



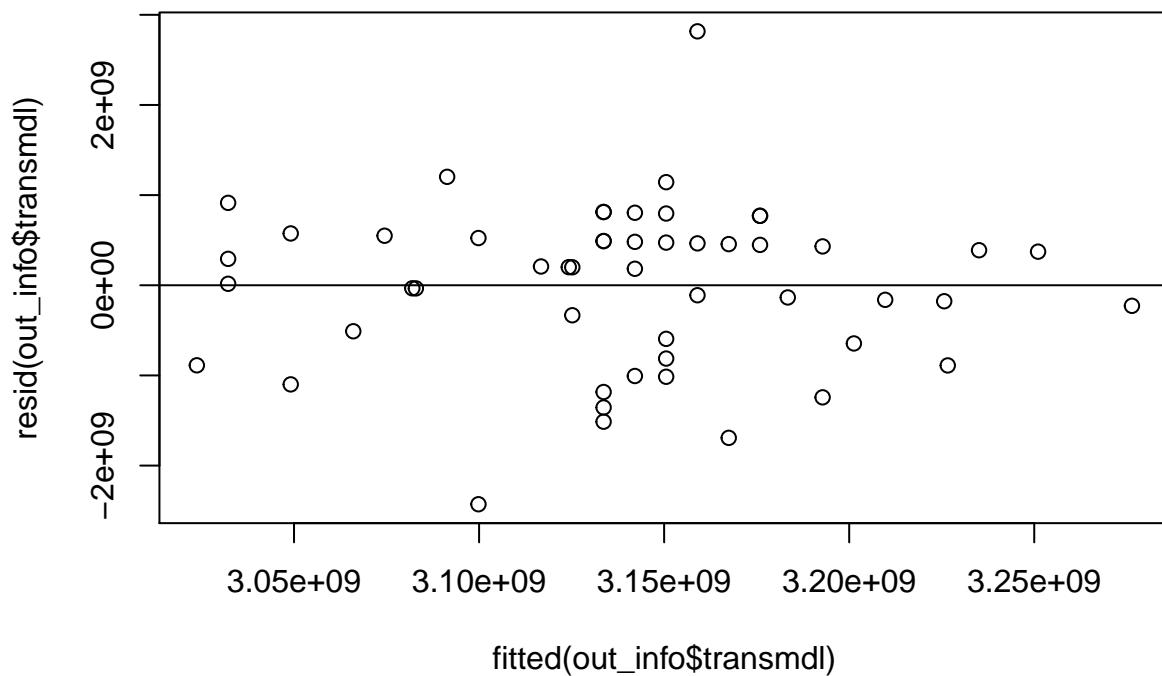
### Normal Q-Q Plot



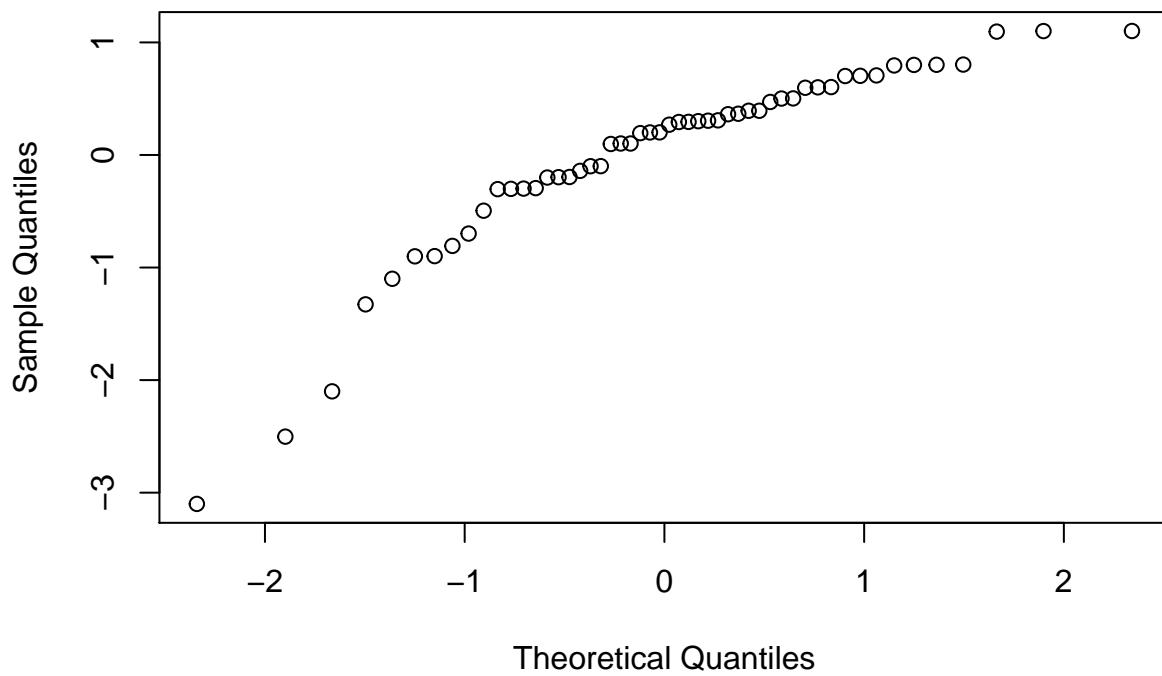
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.num.fireruns  
Plot of nPFO\$origEthnicity**



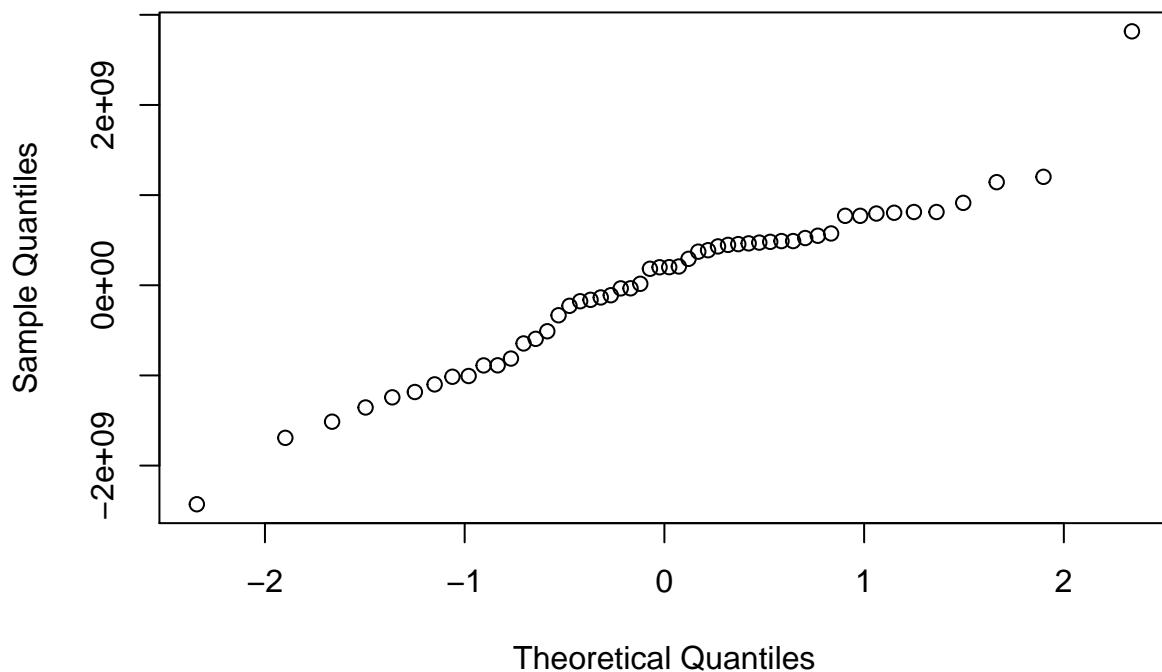
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



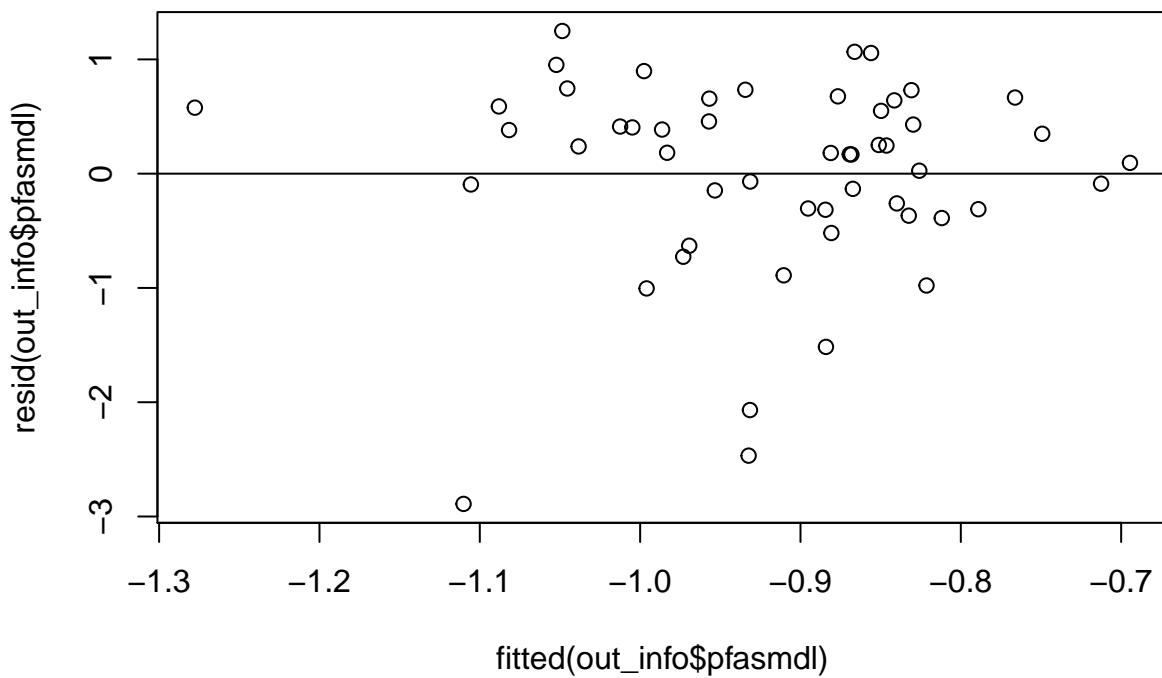
**Normal Q-Q Plot**



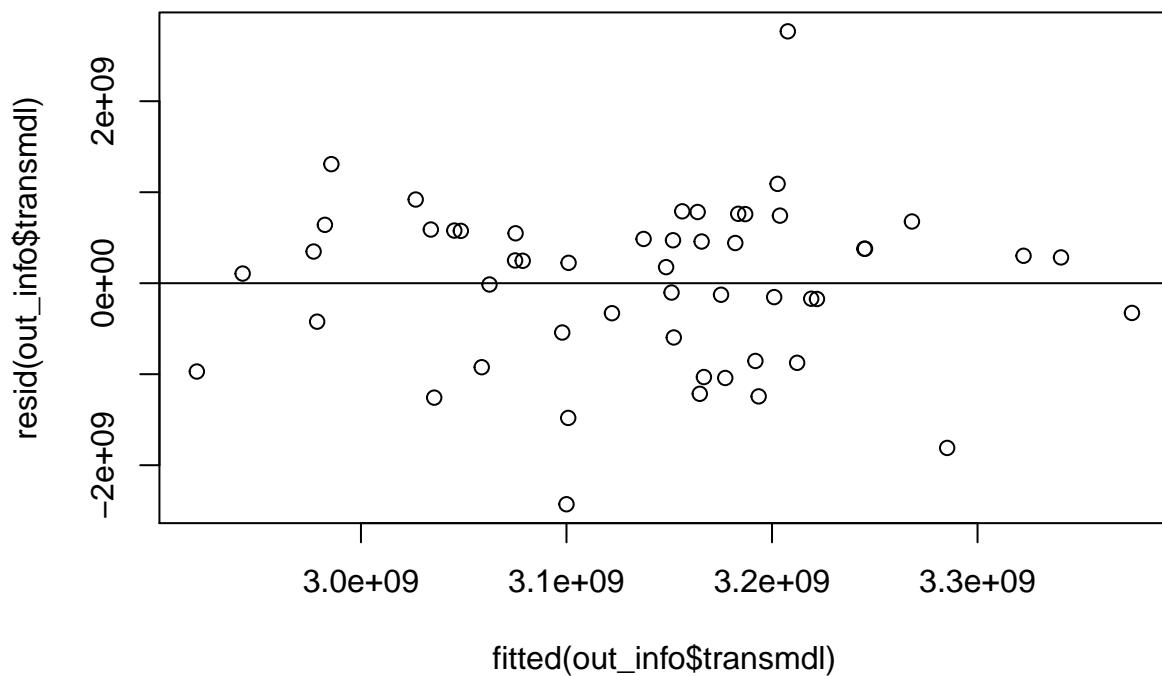
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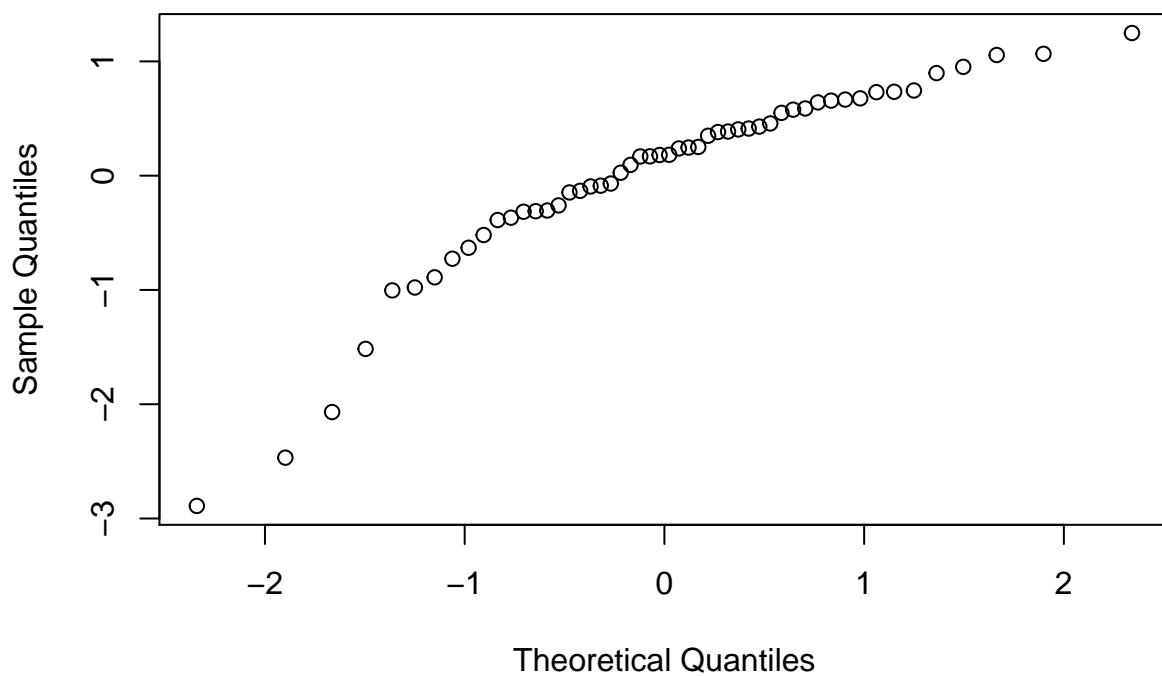
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$total.duration.hrs  
Plot of nPFO\$orig\$Ethnicity**



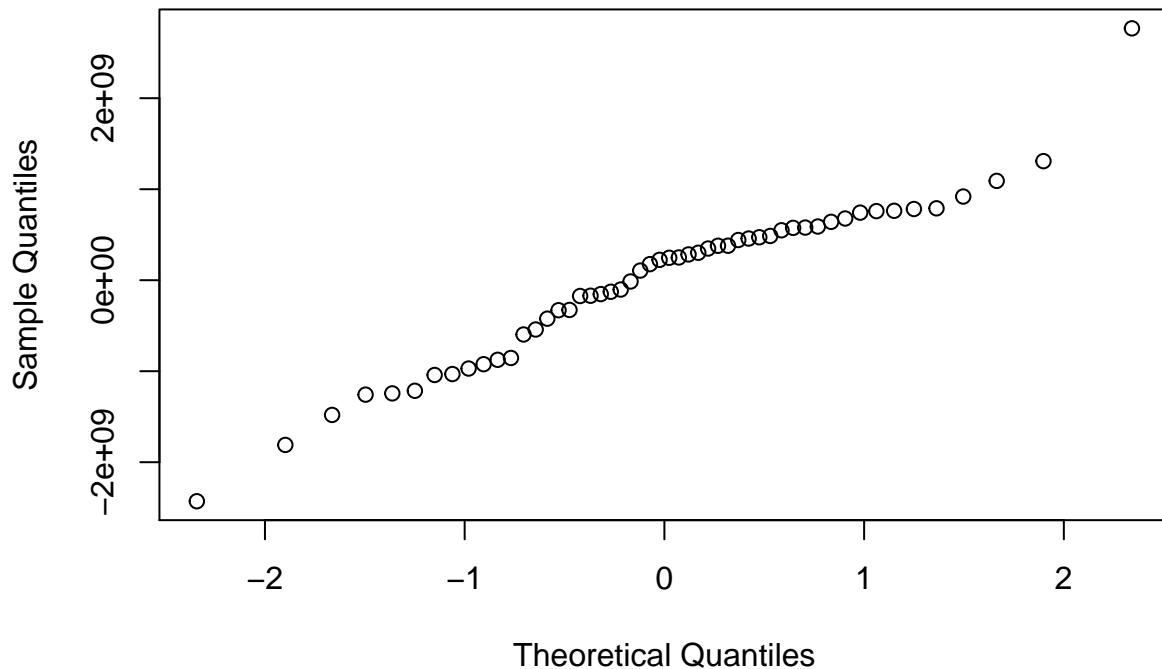
**Plot of SmPFOStrans+  
Plot of SmPFOStran\$transduration.hrs  
Plot of SmPFOStransEthnicity**



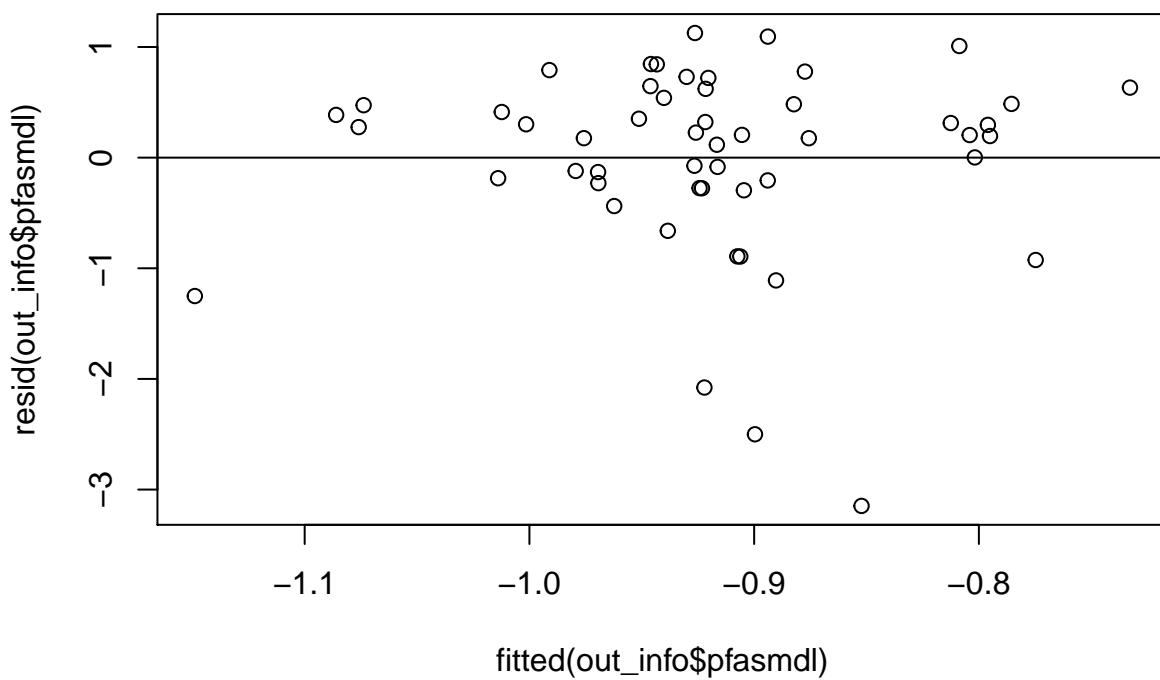
**Normal Q-Q Plot**



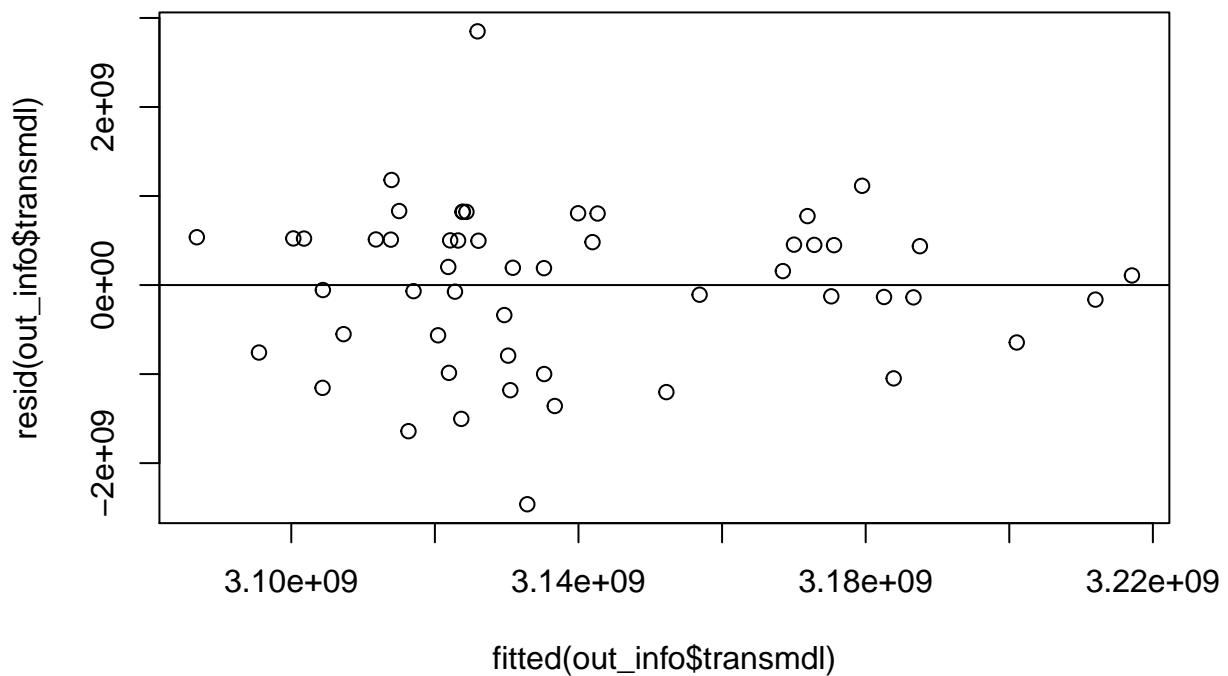
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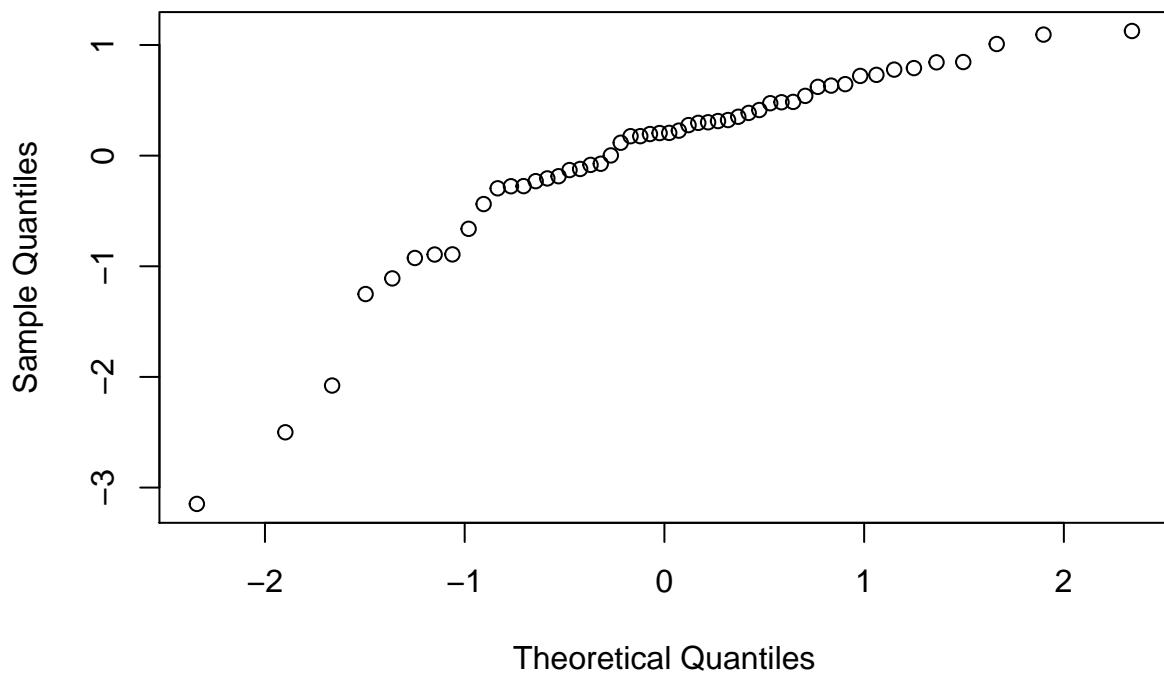
**Plot of nPFO\$orig+  
Plot of nPFO\$origstr.duration.hrs  
Plot of nPFO\$origEthnicity**



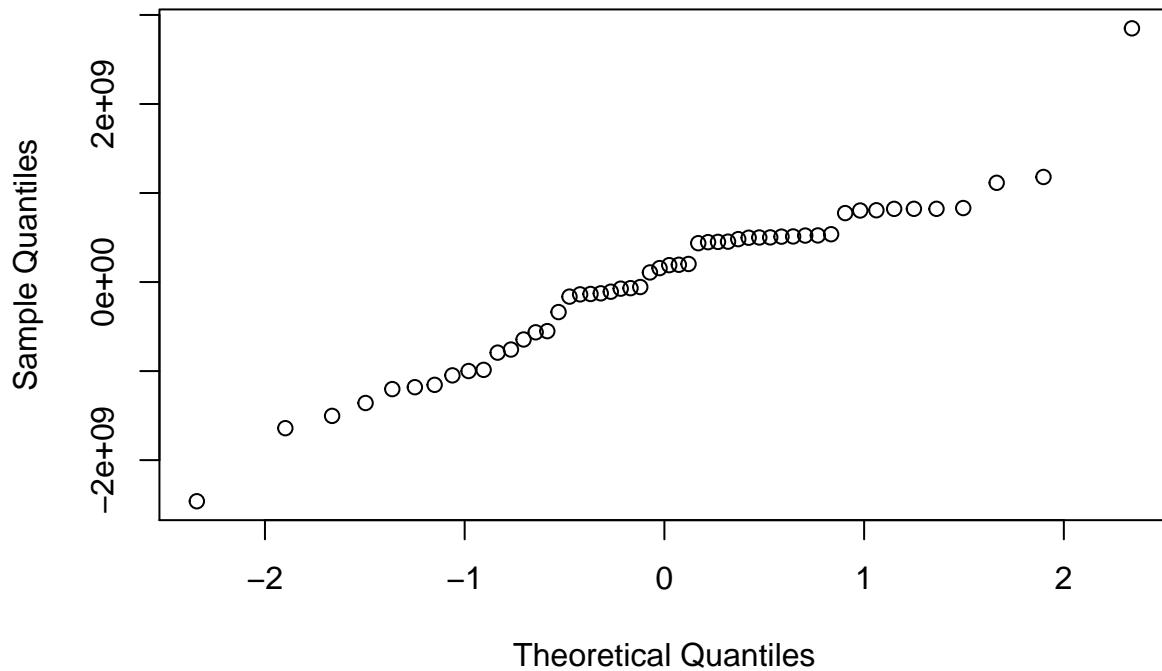
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



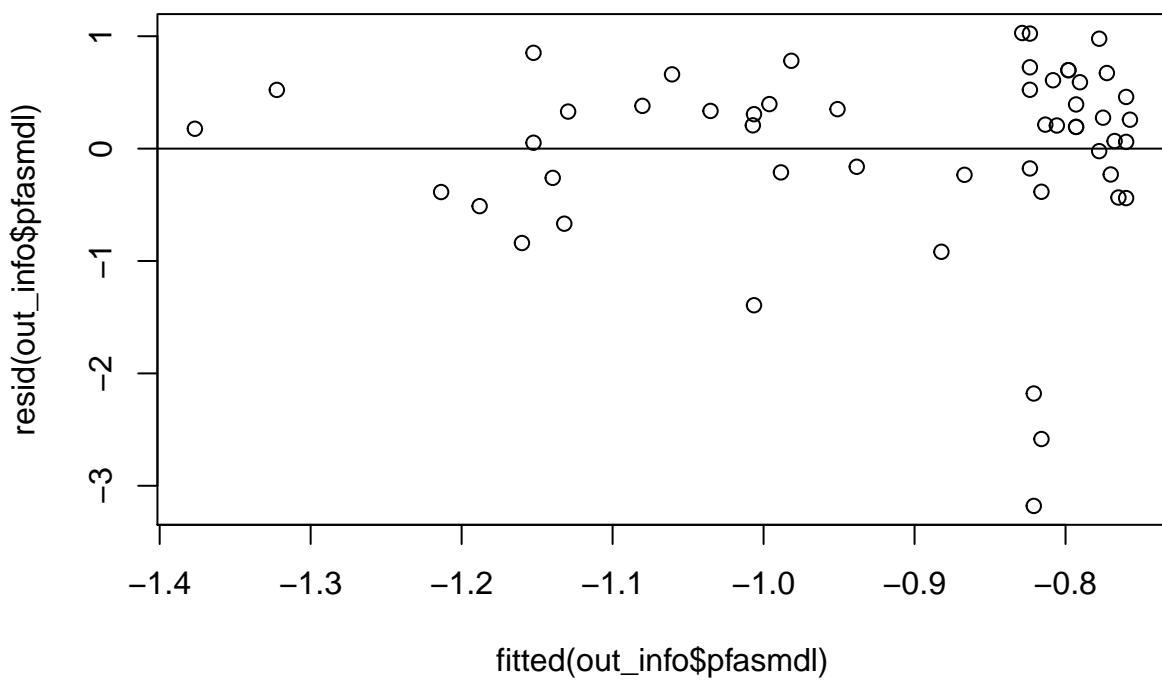
**Normal Q-Q Plot**



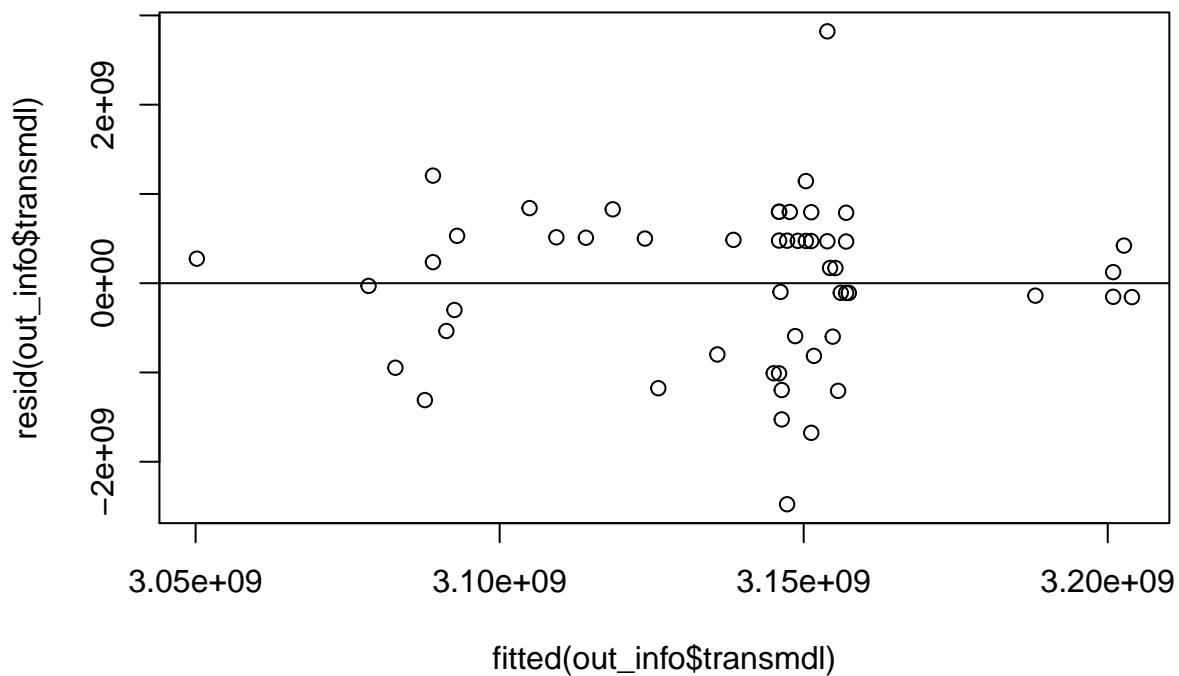
### Normal Q-Q Plot



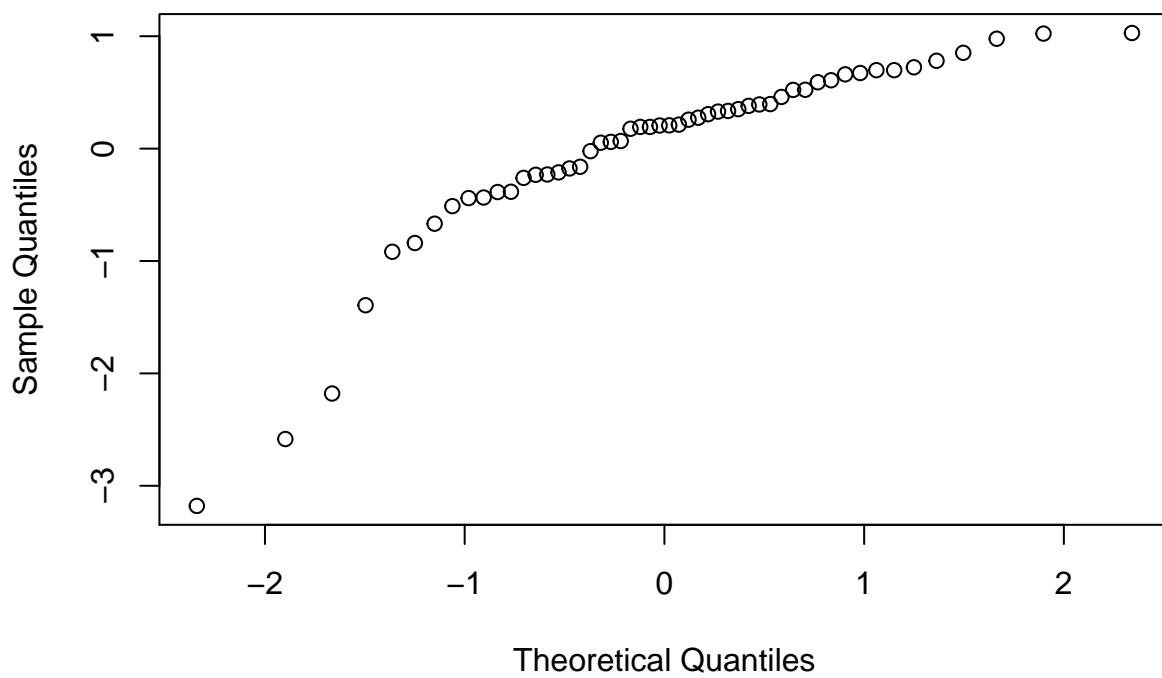
**Plot of nPFO\$orig+  
Plot of nPFO\$origdays.since.MRF  
Plot of nPFO\$origEthnicity**



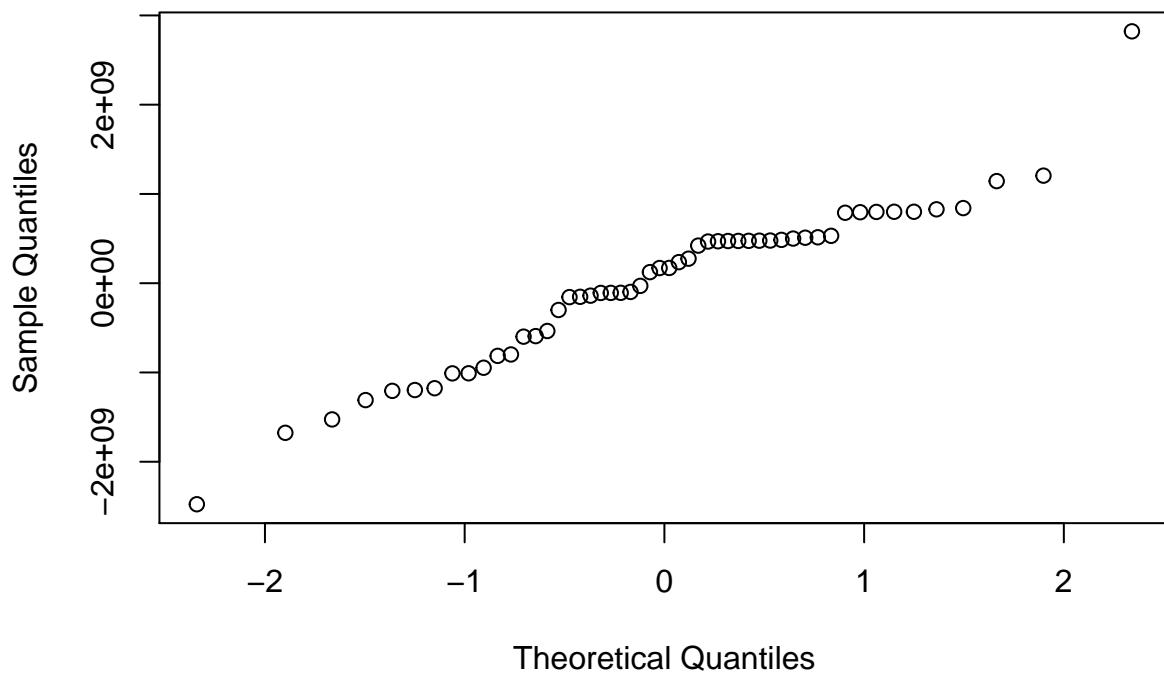
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**



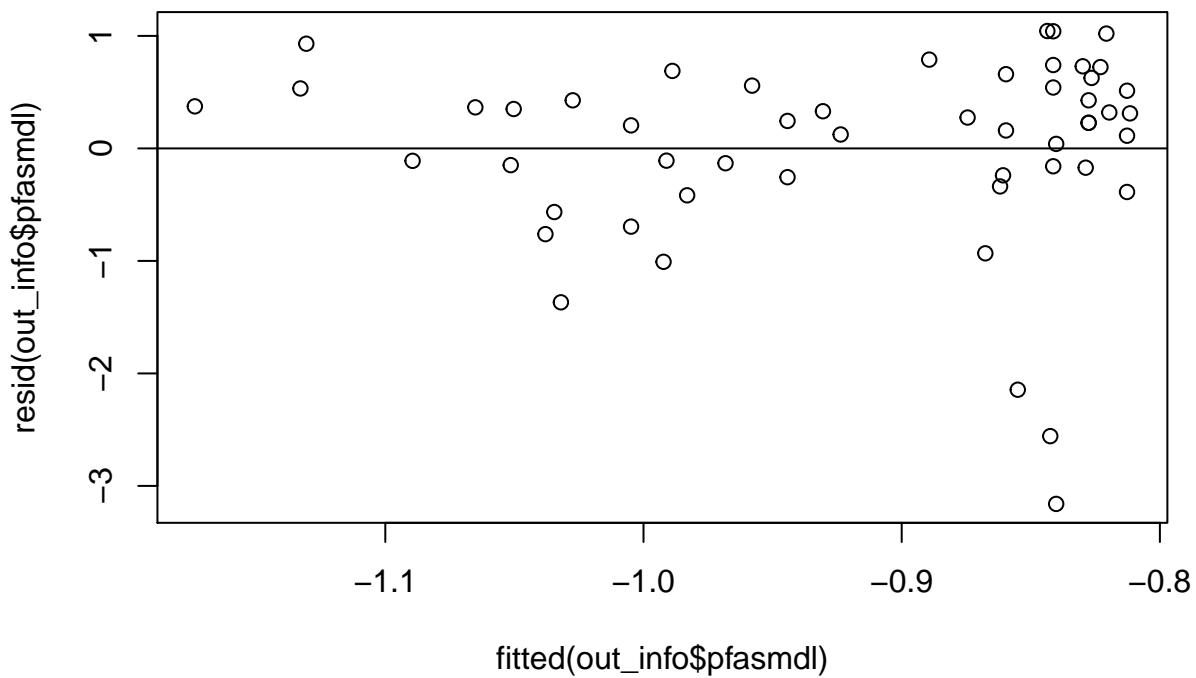
**Normal Q-Q Plot**



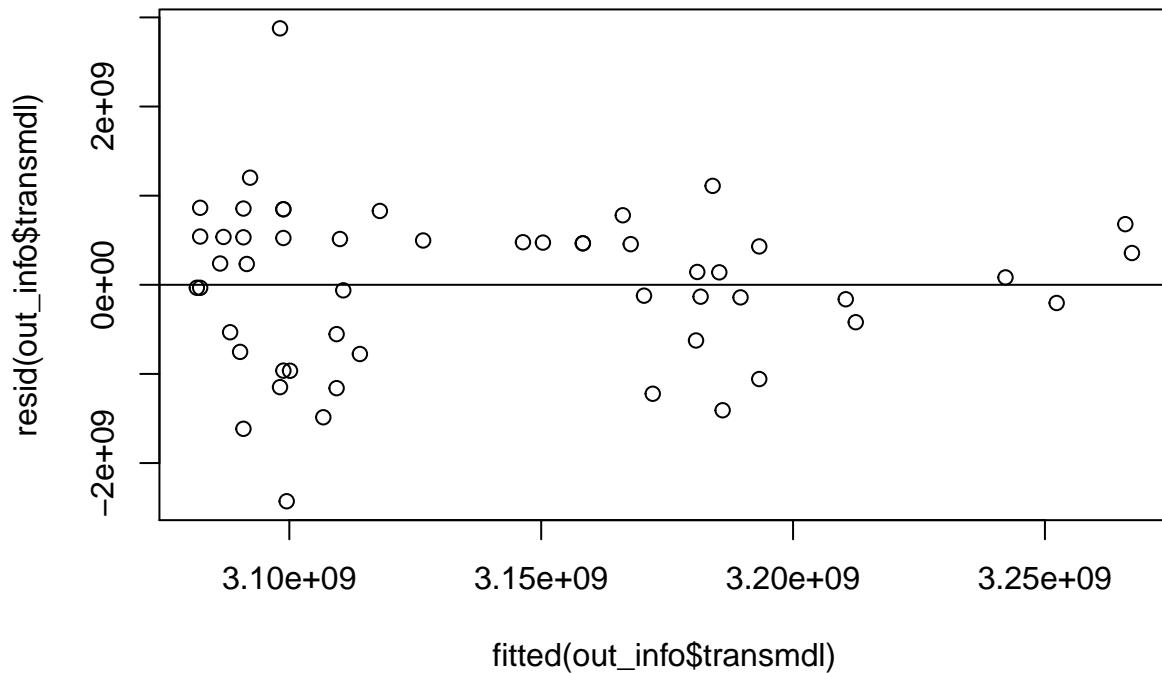
### Normal Q-Q Plot



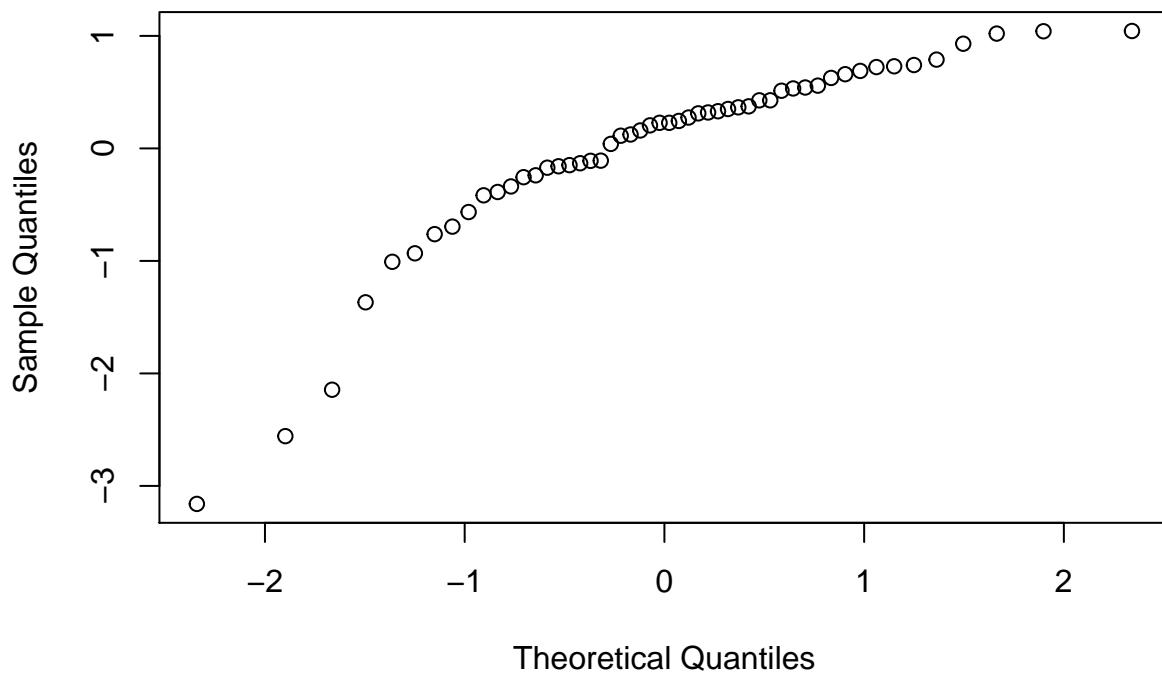
**Plot of nPFO\$orig+  
Plot of nPFO\$origdays.since.struc.MRF  
Plot of nPFO\$origEthnicity**



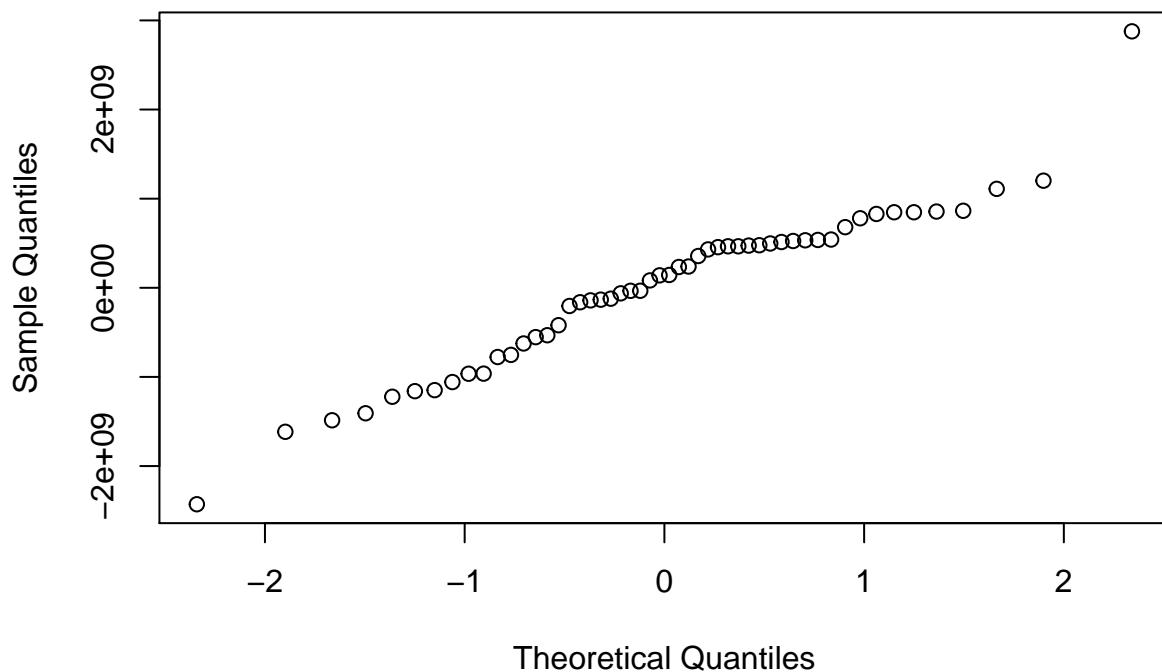
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



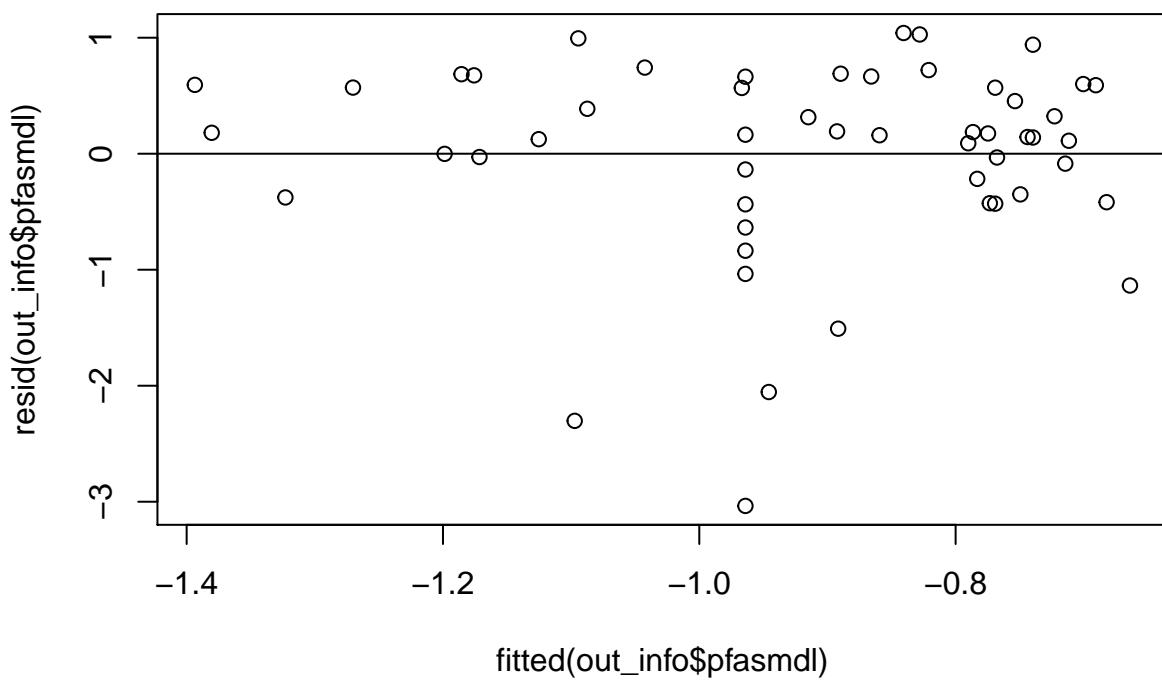
**Normal Q-Q Plot**



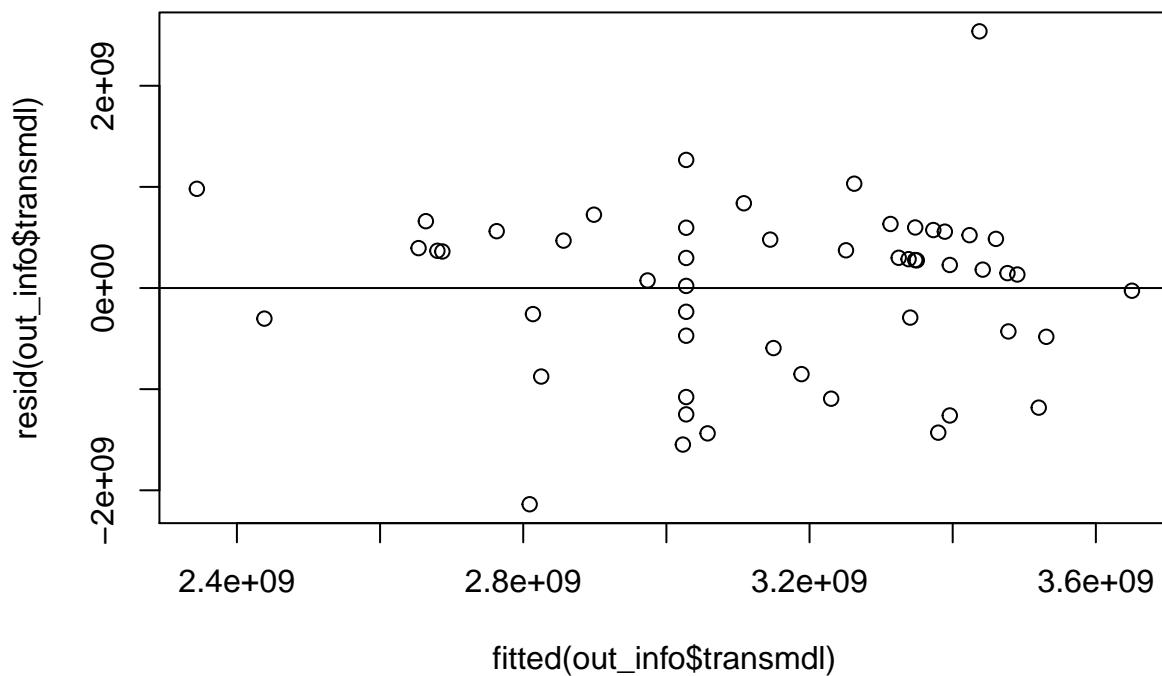
### Normal Q-Q Plot



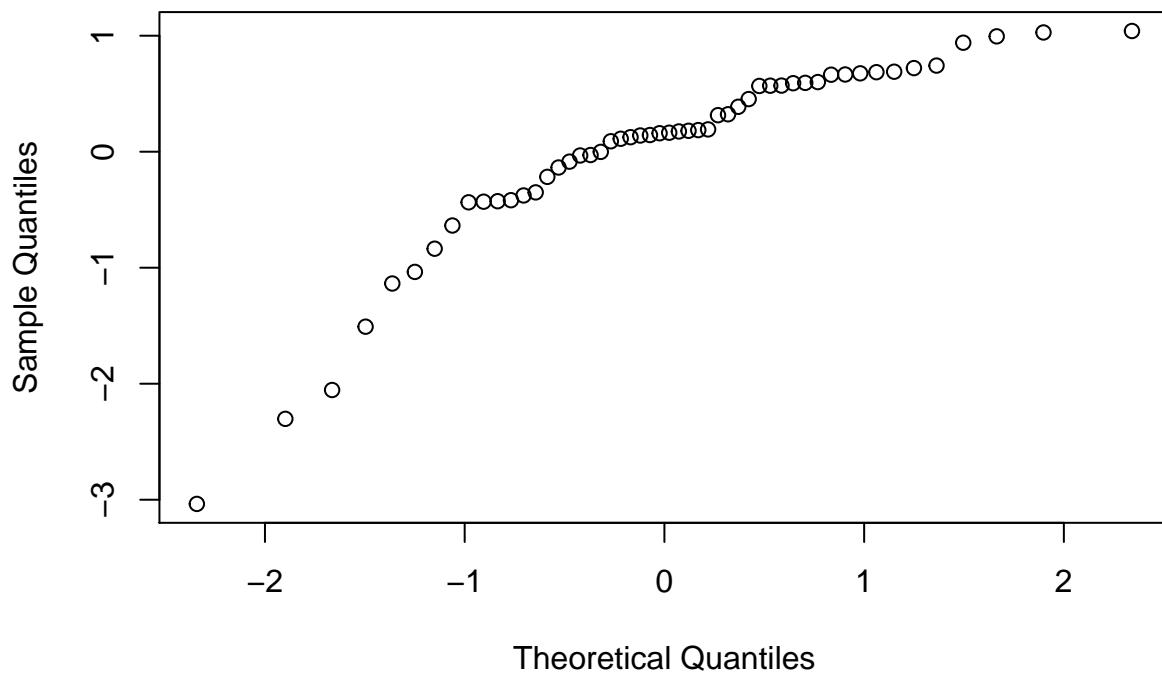
**Plot of nPFO\$orig+  
Plot of nPFO\$orig\$time.since.baseline  
Plot of nPFO\$orig\$Ethnicity**



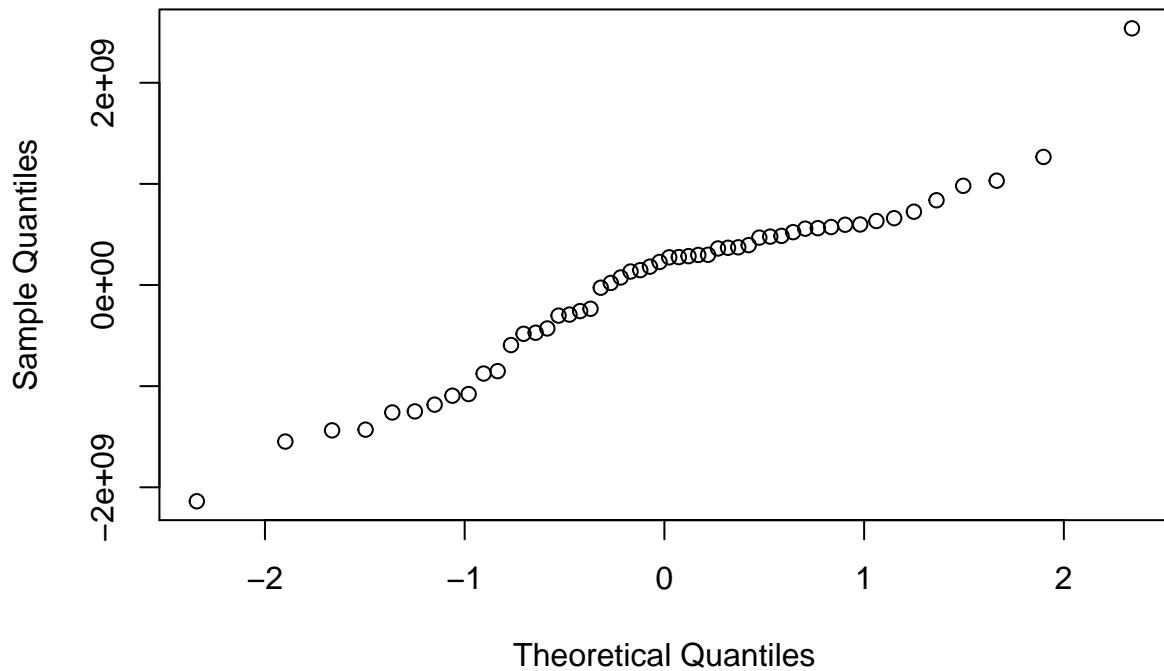
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



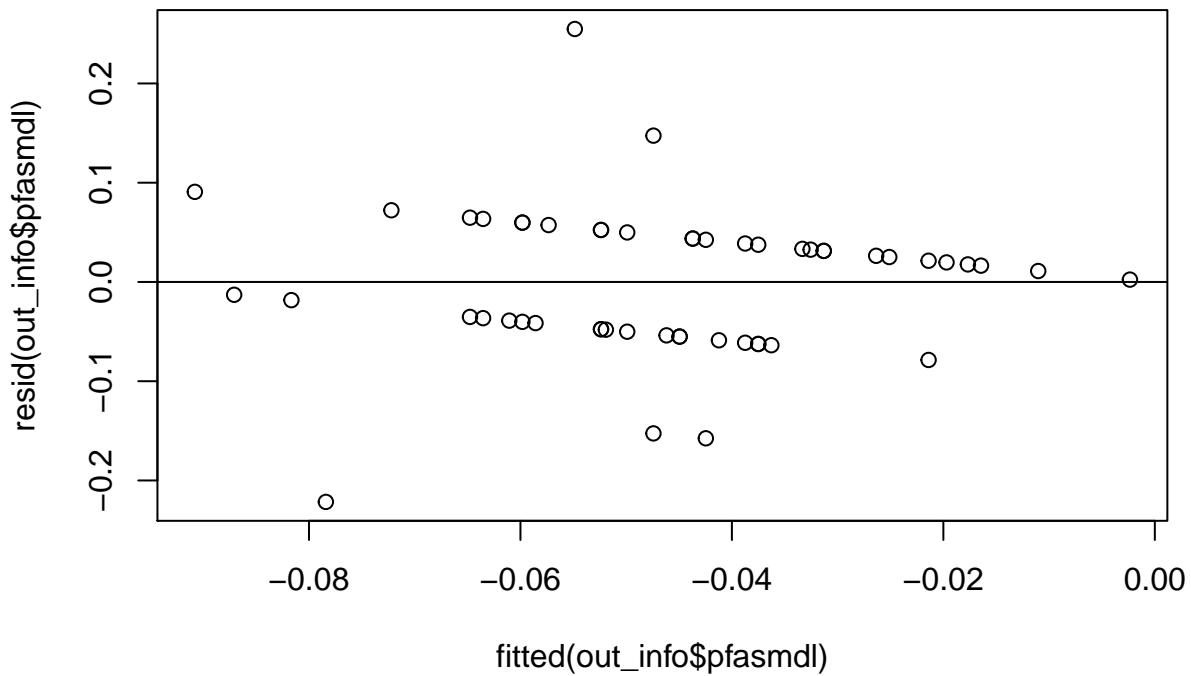
**Normal Q-Q Plot**



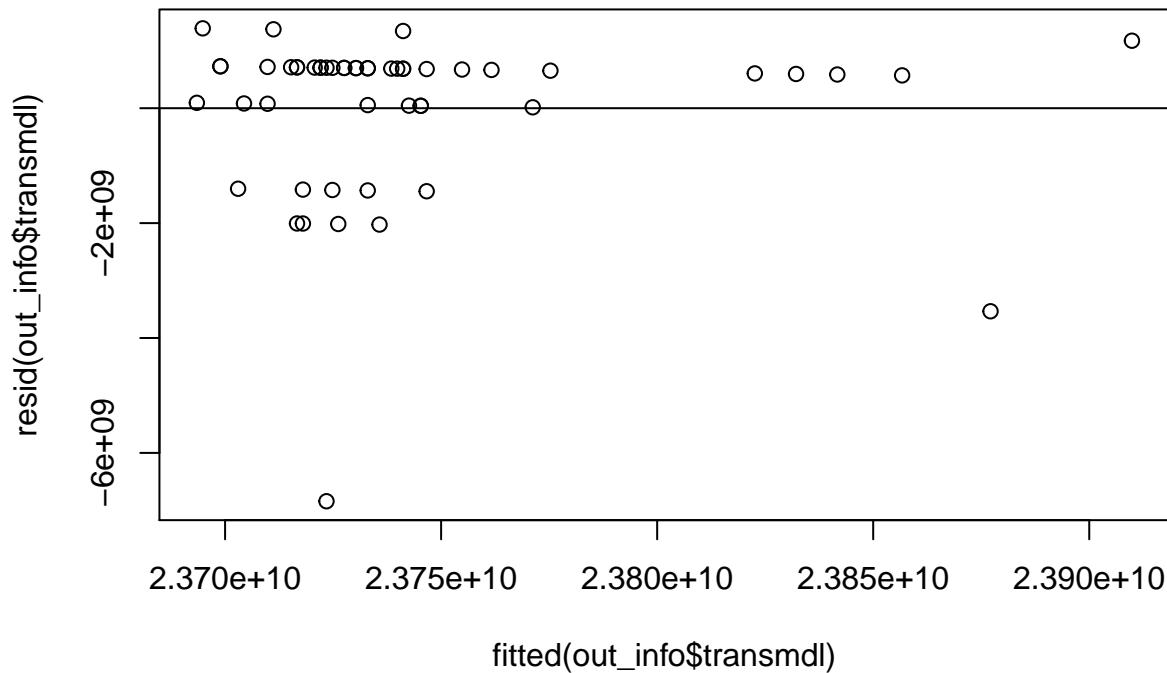
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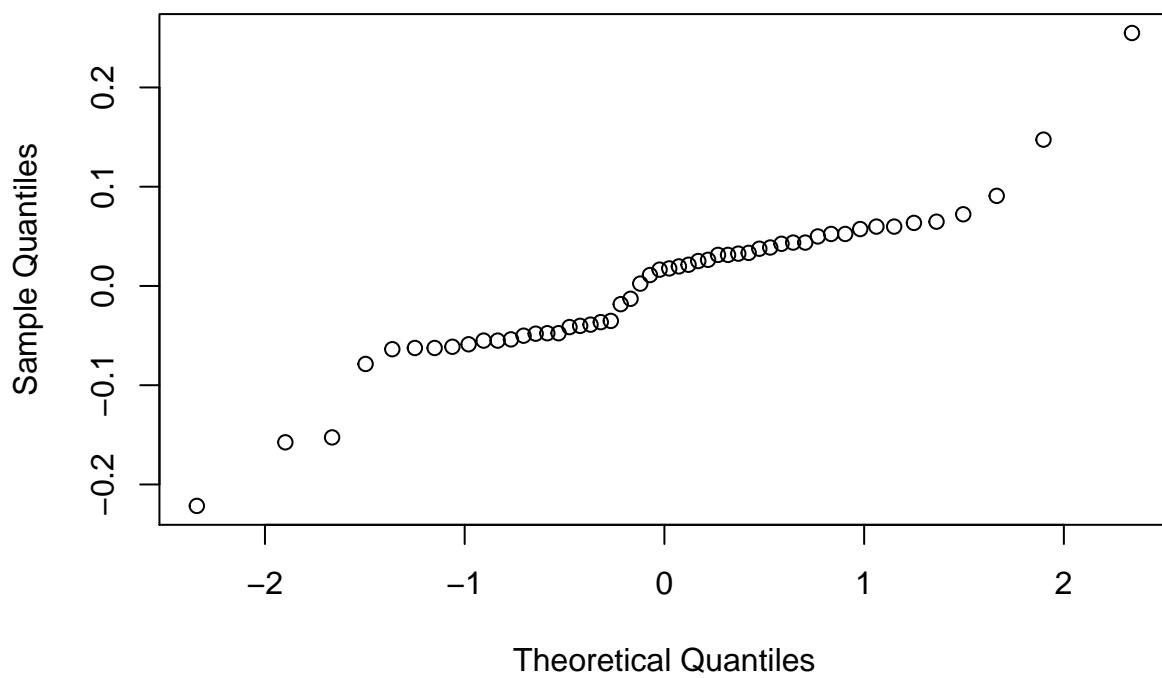
Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity



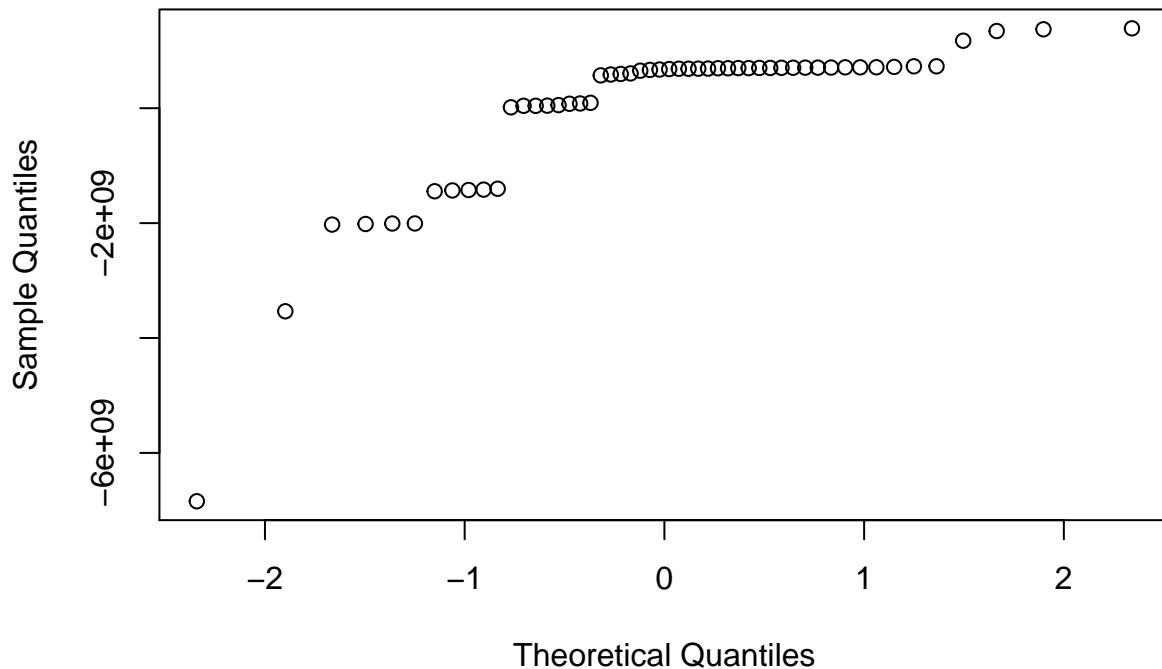
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



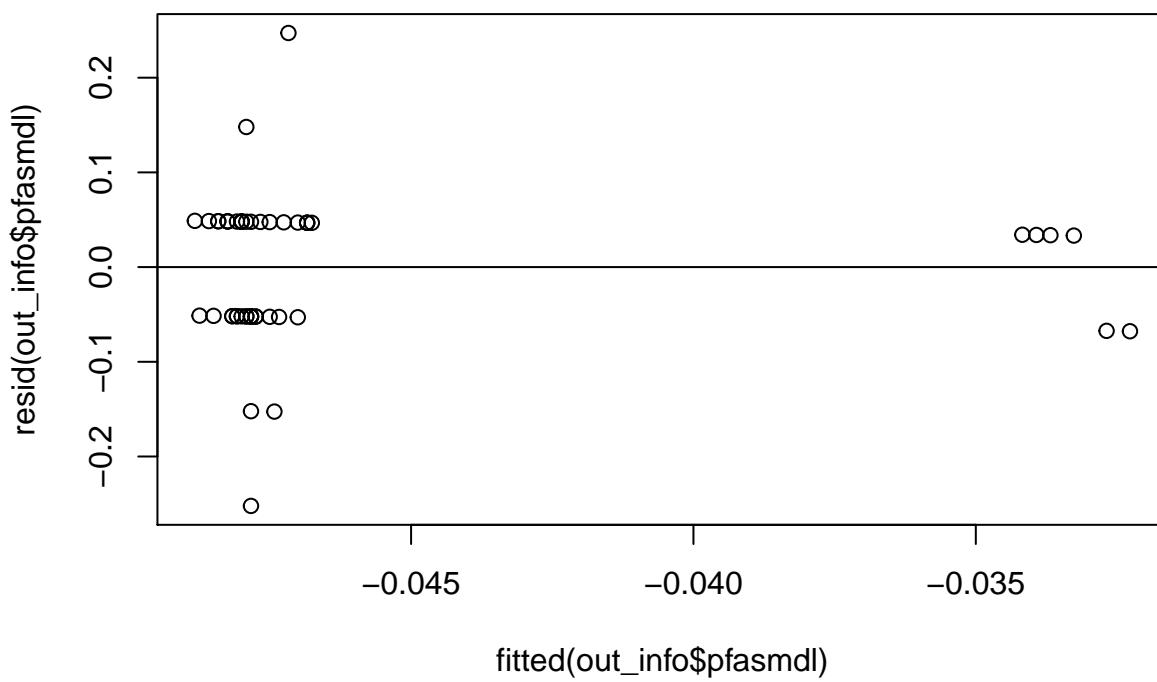
**Normal Q-Q Plot**



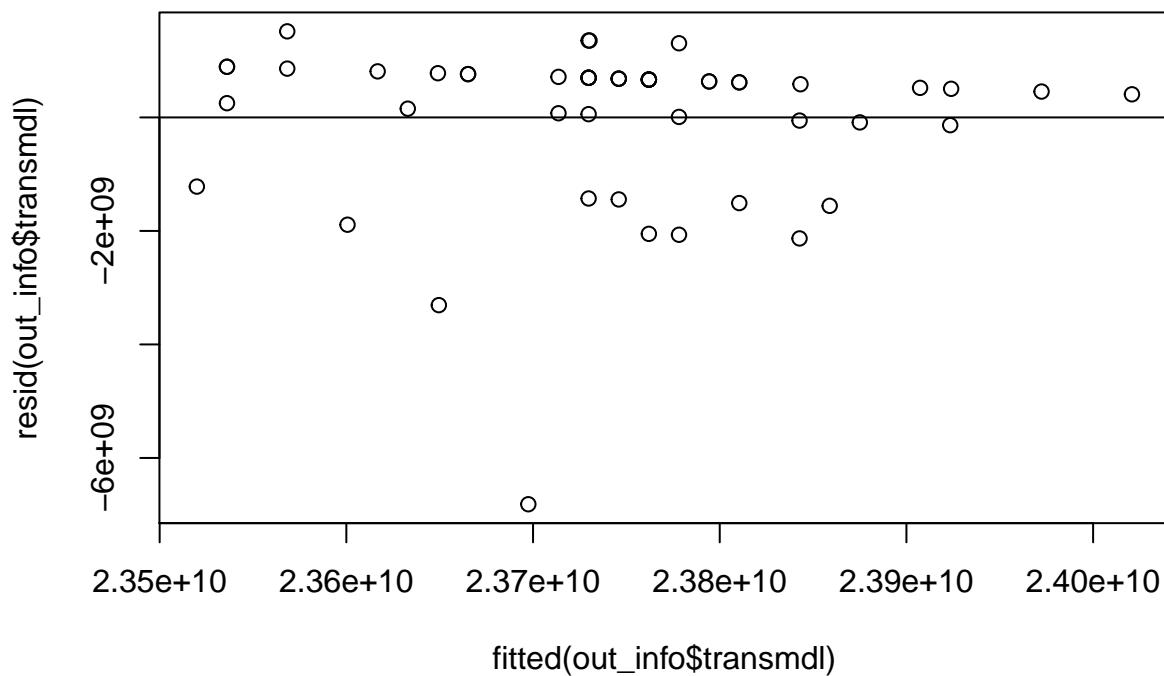
### Normal Q-Q Plot



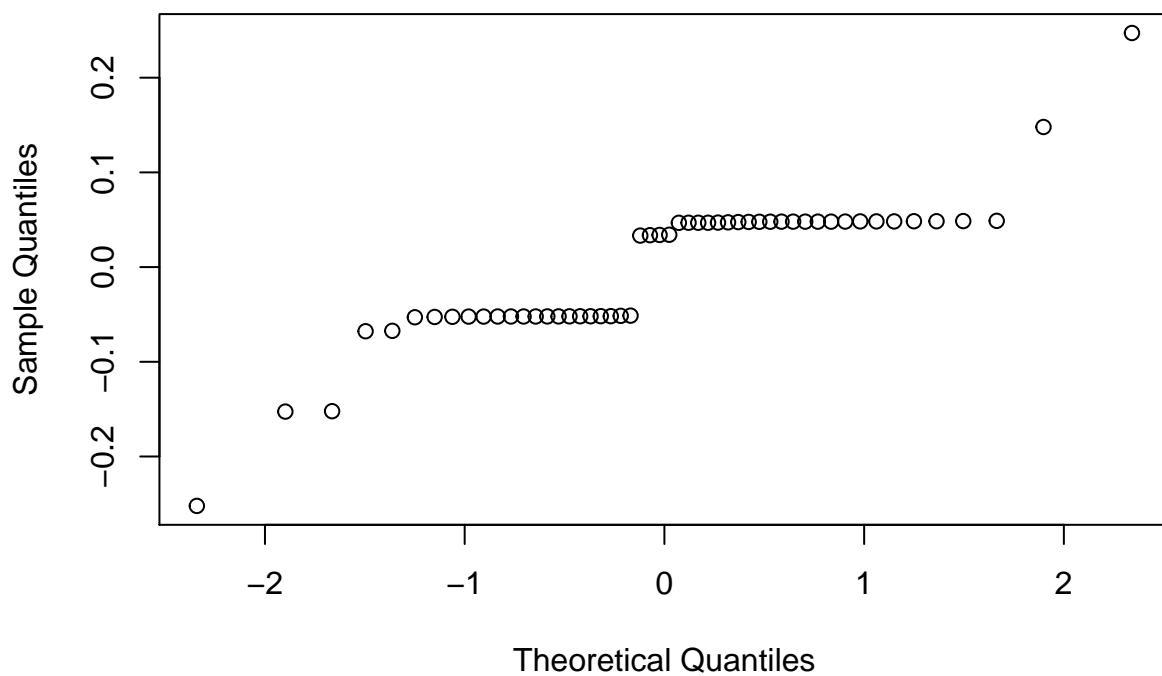
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.num.fireruns  
Plot of PFDEAorigEthnicity**



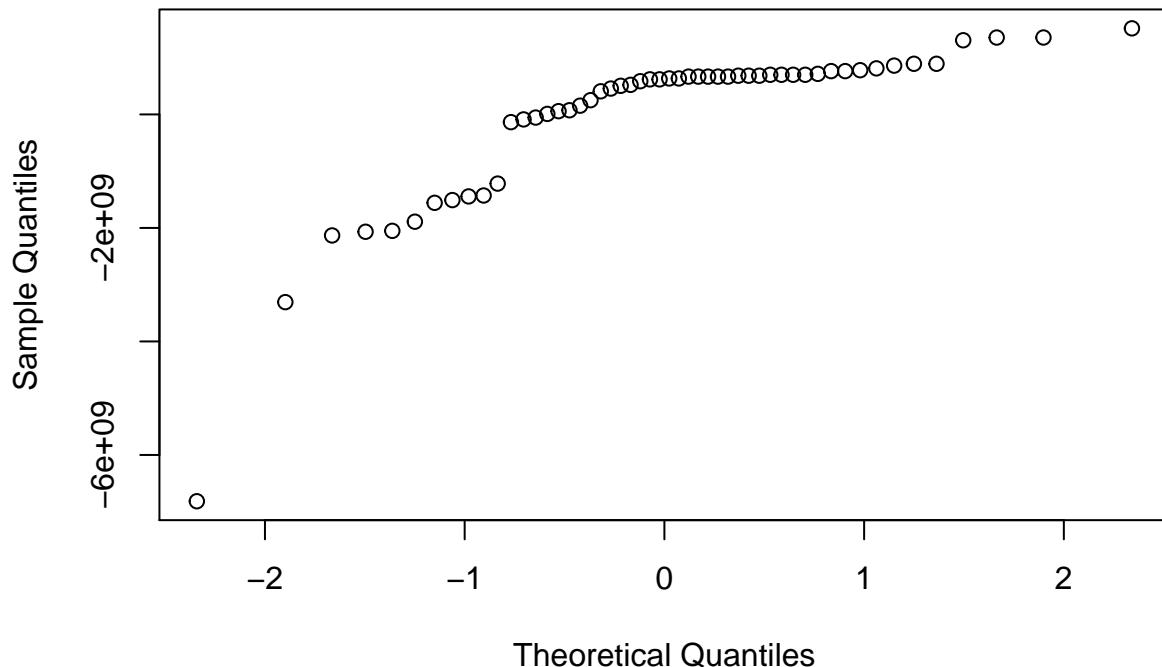
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Plot of PFOSAtransstr.num.fireruns  
Plot of PFOSAtransEthnicity**



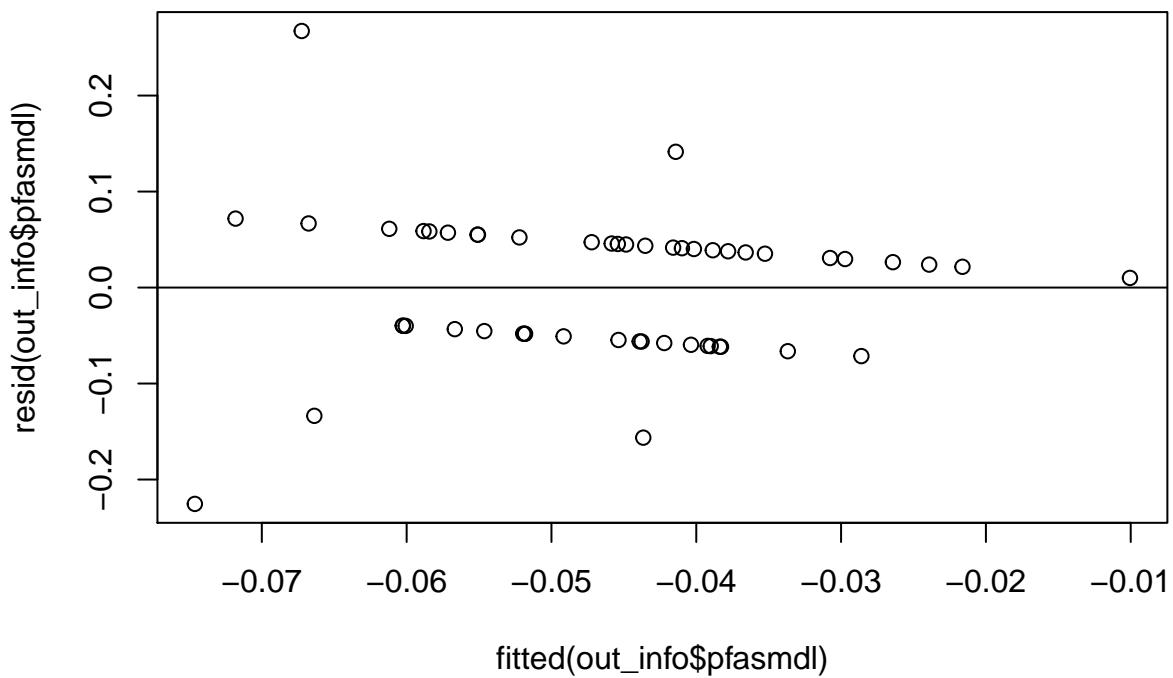
**Normal Q-Q Plot**



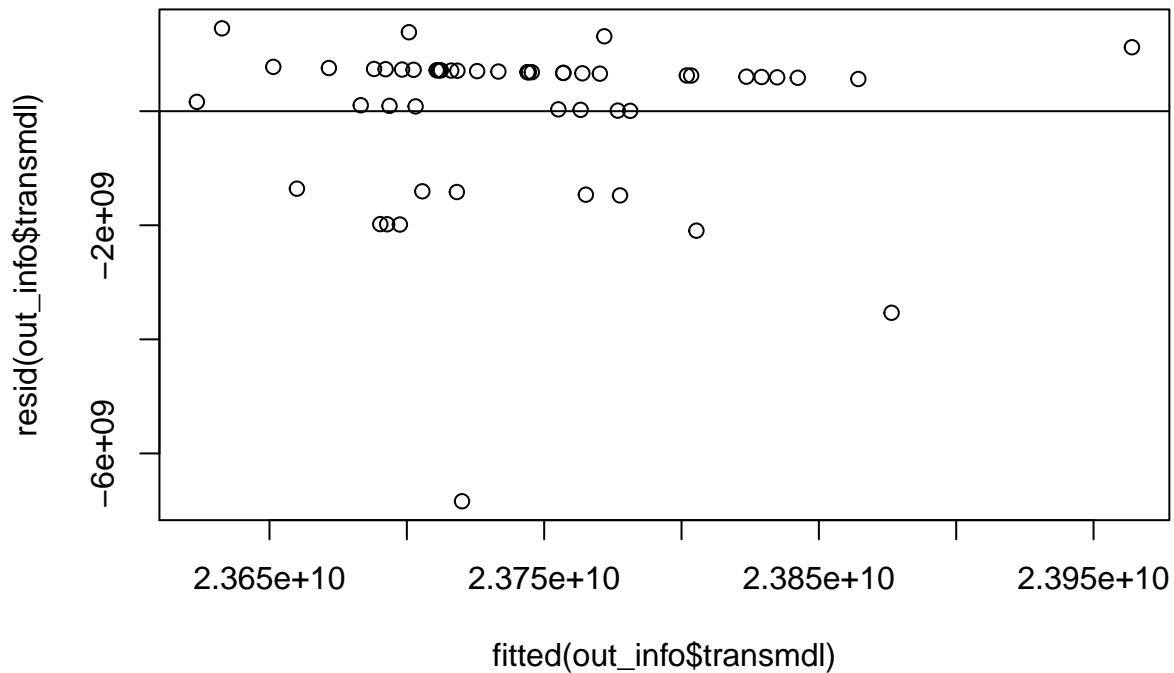
### Normal Q-Q Plot



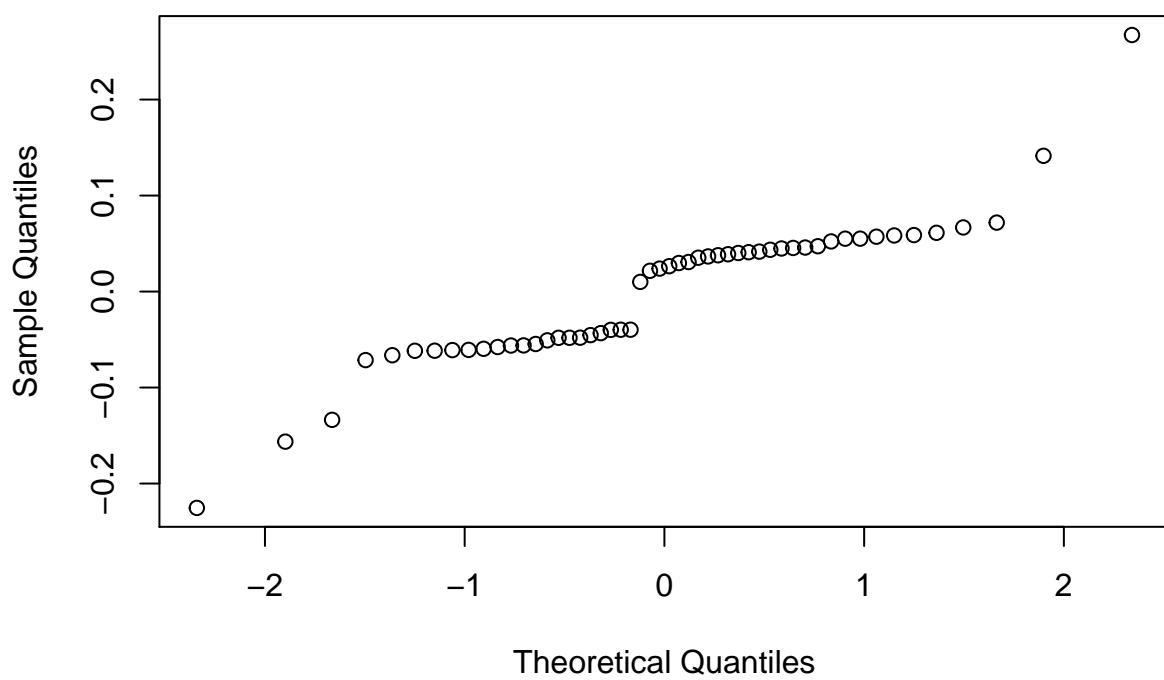
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity**



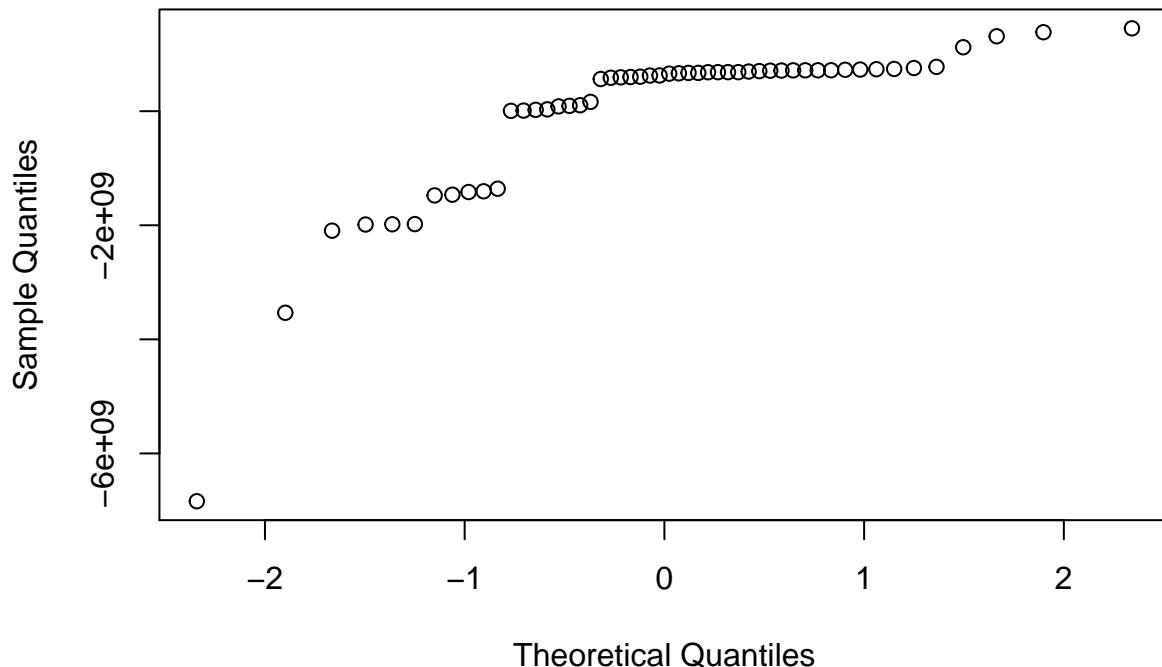
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Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



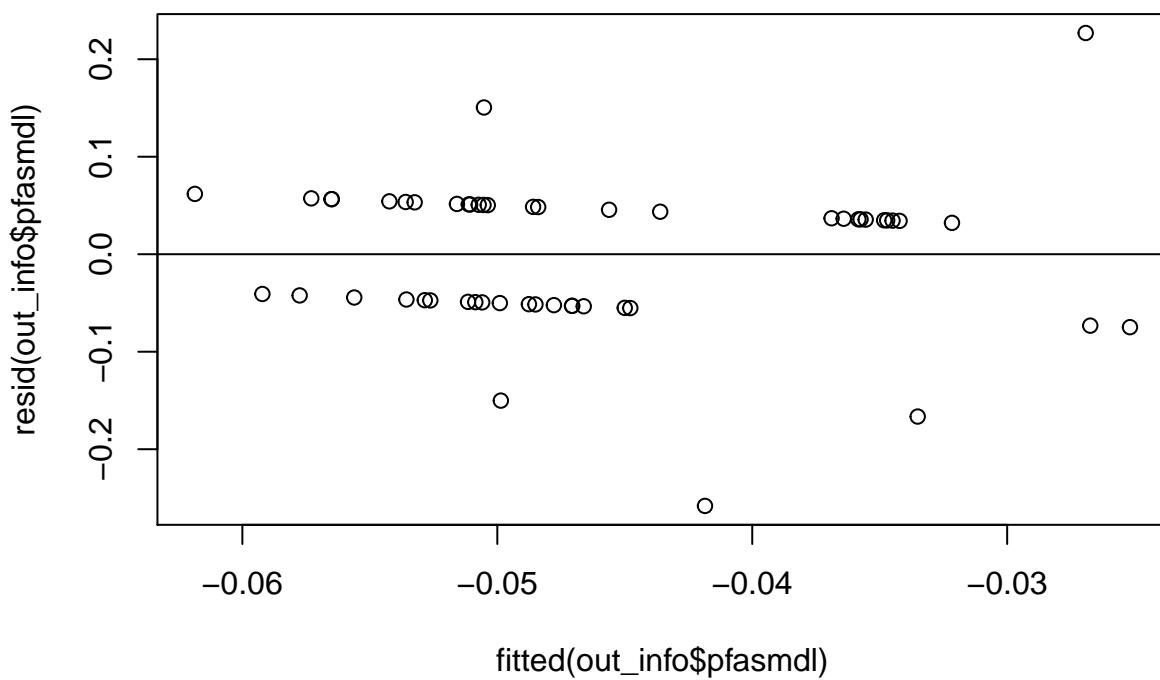
**Normal Q-Q Plot**



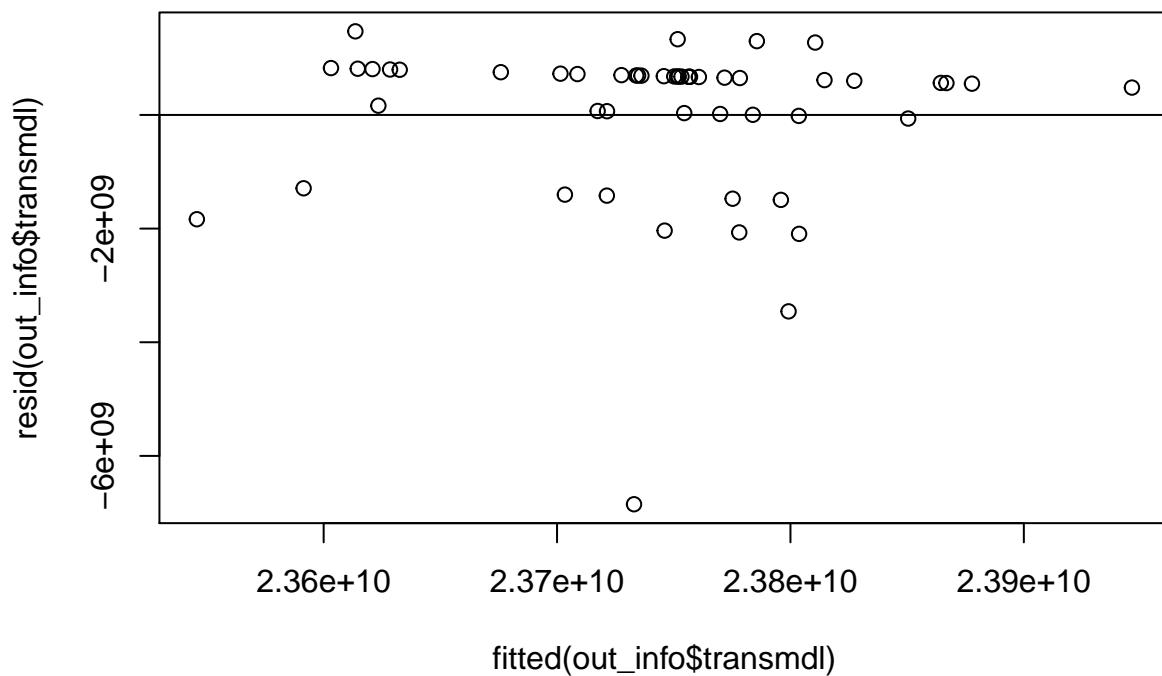
### Normal Q-Q Plot



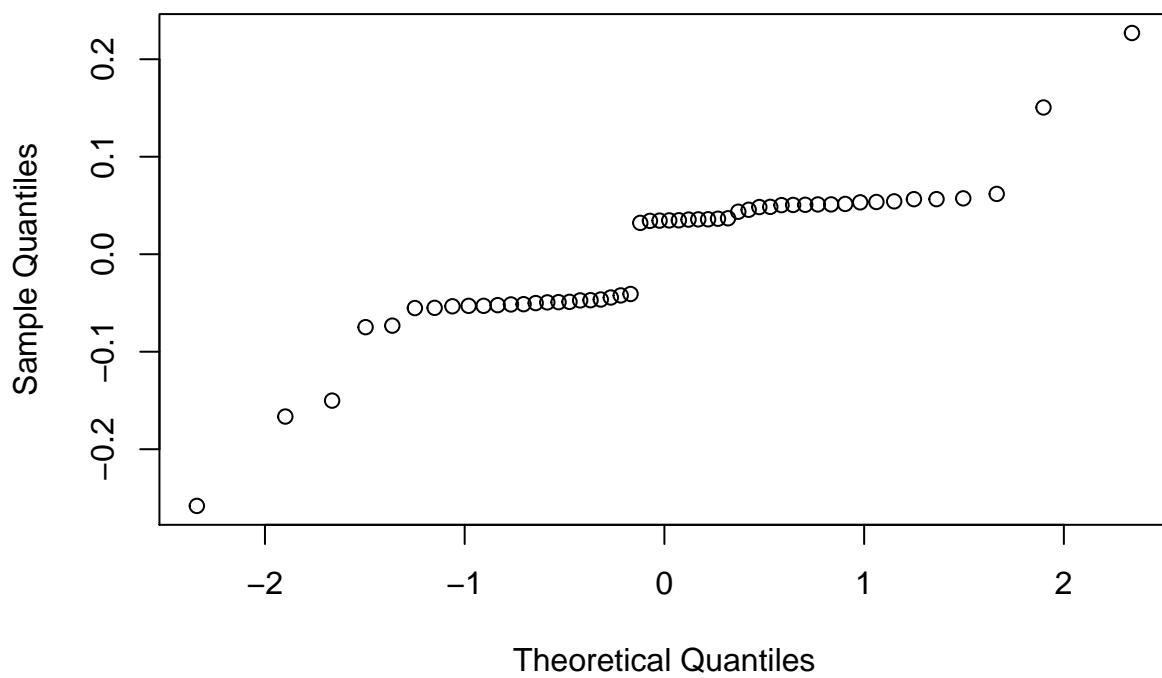
Plot of PFDEAorig+  
Plot of PFDEAorigstr.duration.hrs  
Plot of PFDEAorigEthnicity



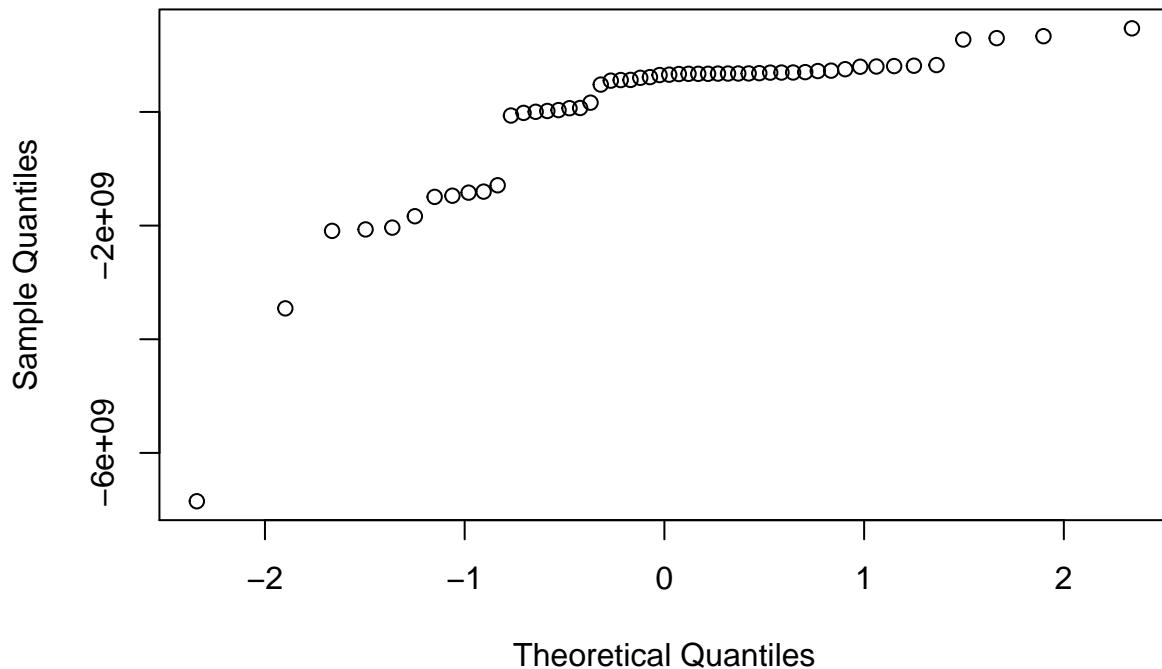
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Plot of PFOSAtransstr.duration.hrs  
Plot of PFOSAtransEthnicity**



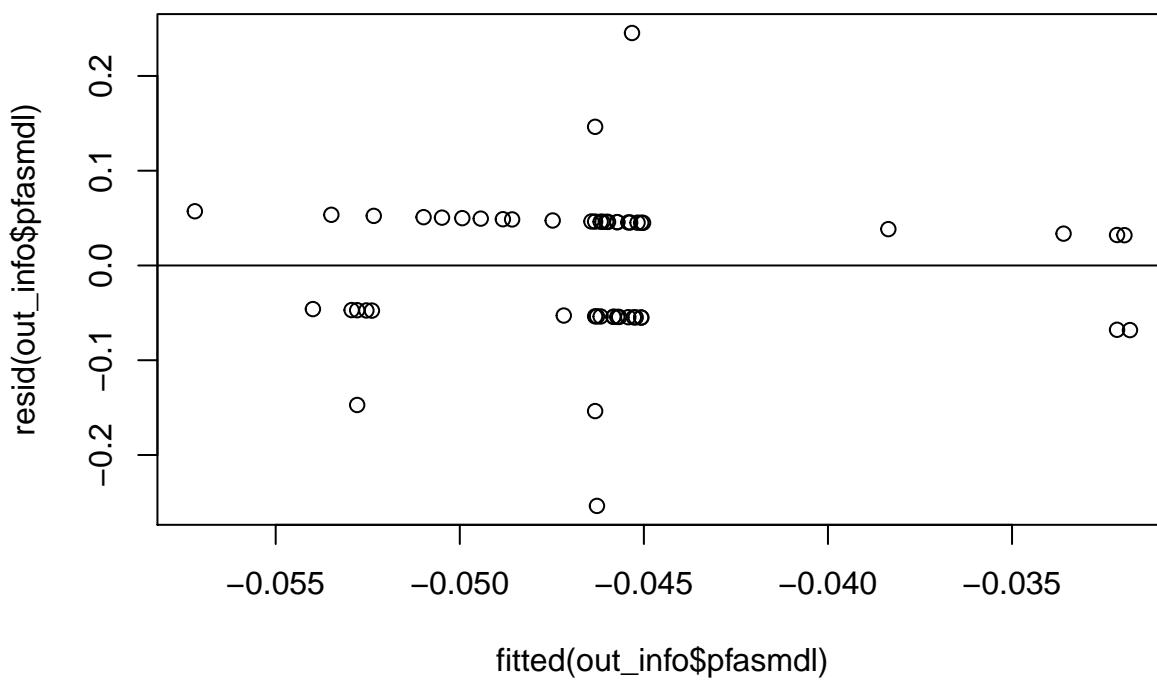
**Normal Q-Q Plot**



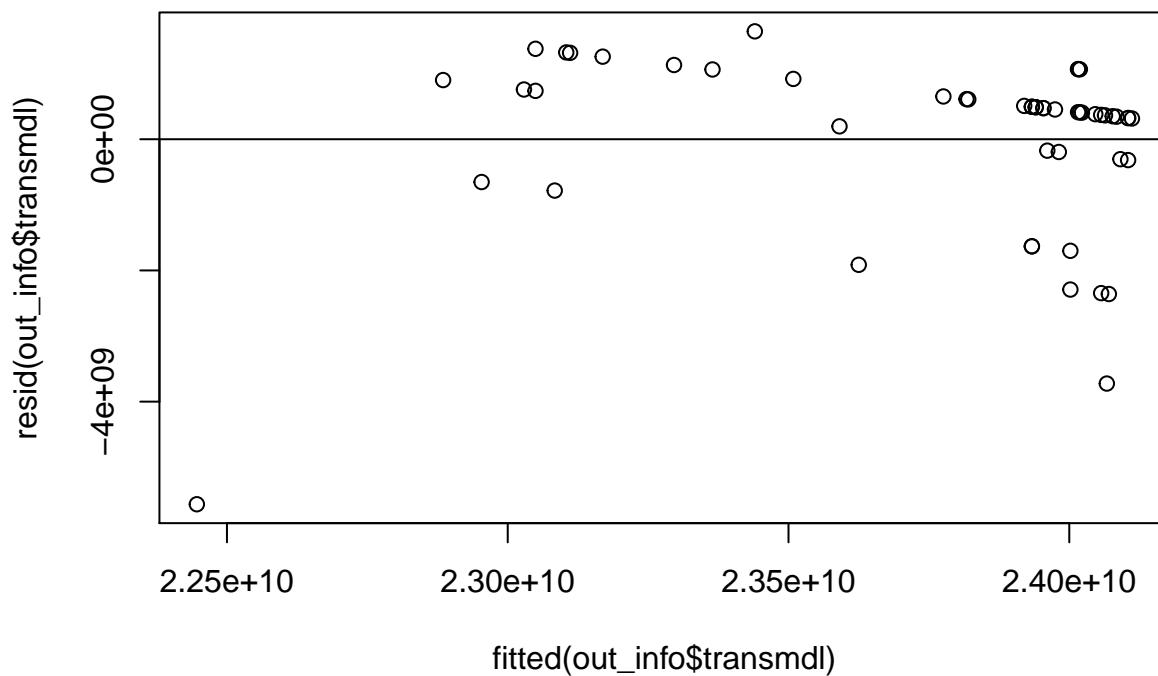
### Normal Q-Q Plot



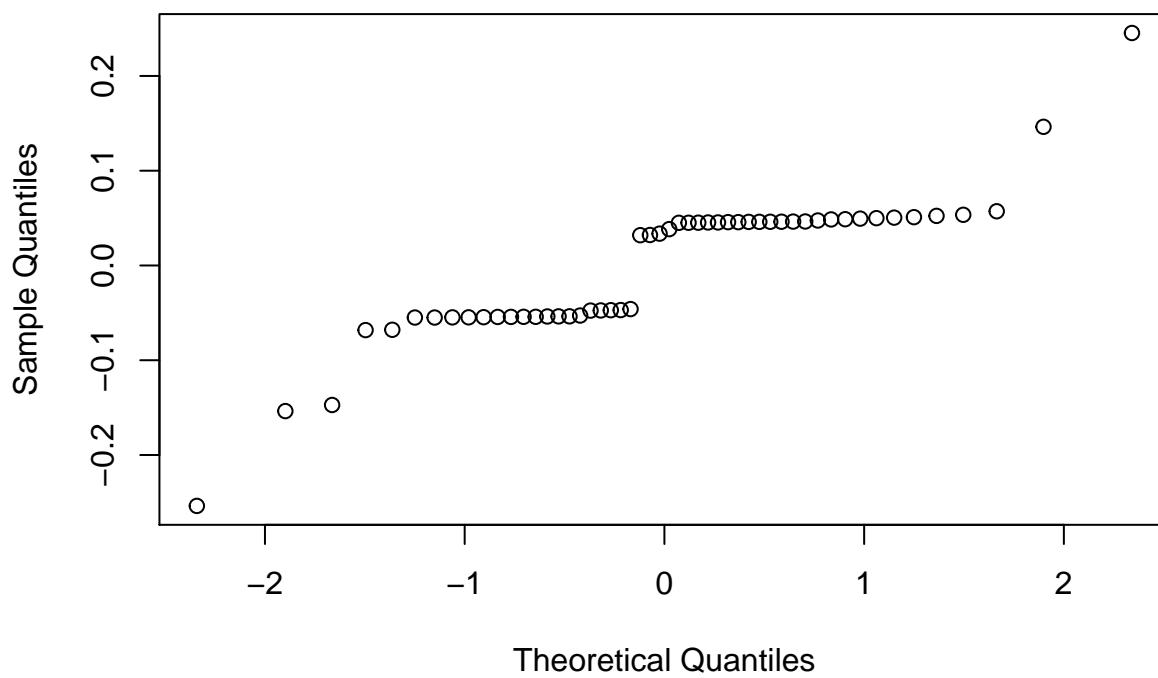
**Plot of PFDEAorig+**  
**Plot of PFDEAorigdays.since.MRF**  
**Plot of PFDEAorigEthnicity**



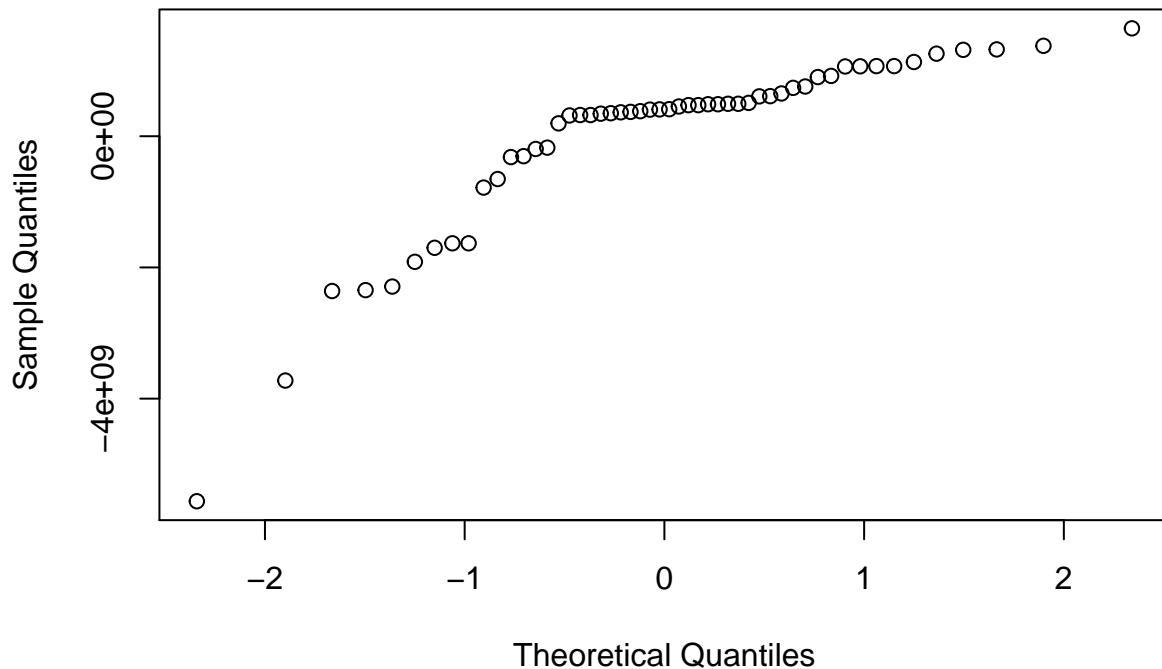
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



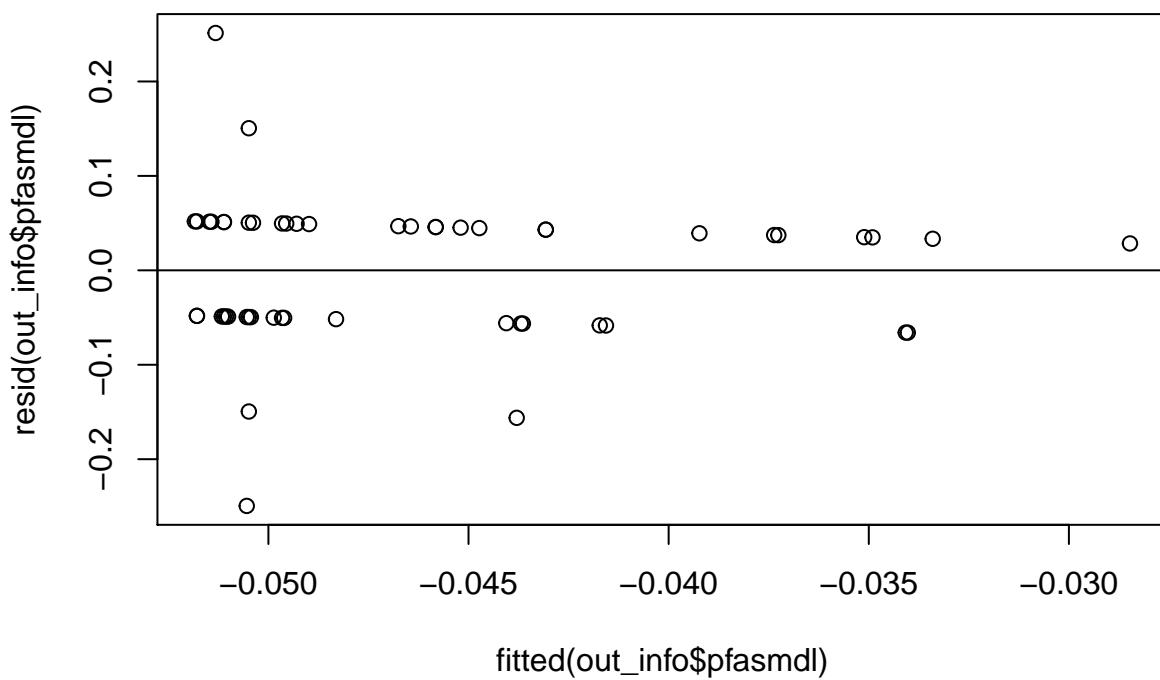
**Normal Q-Q Plot**



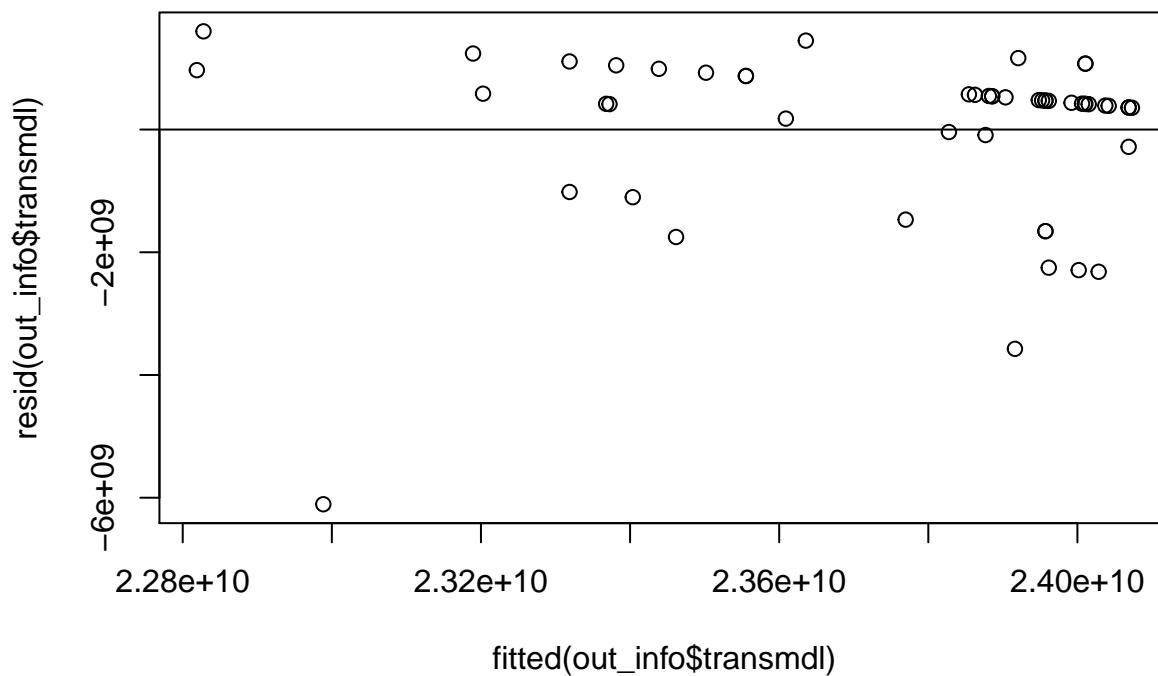
### Normal Q-Q Plot



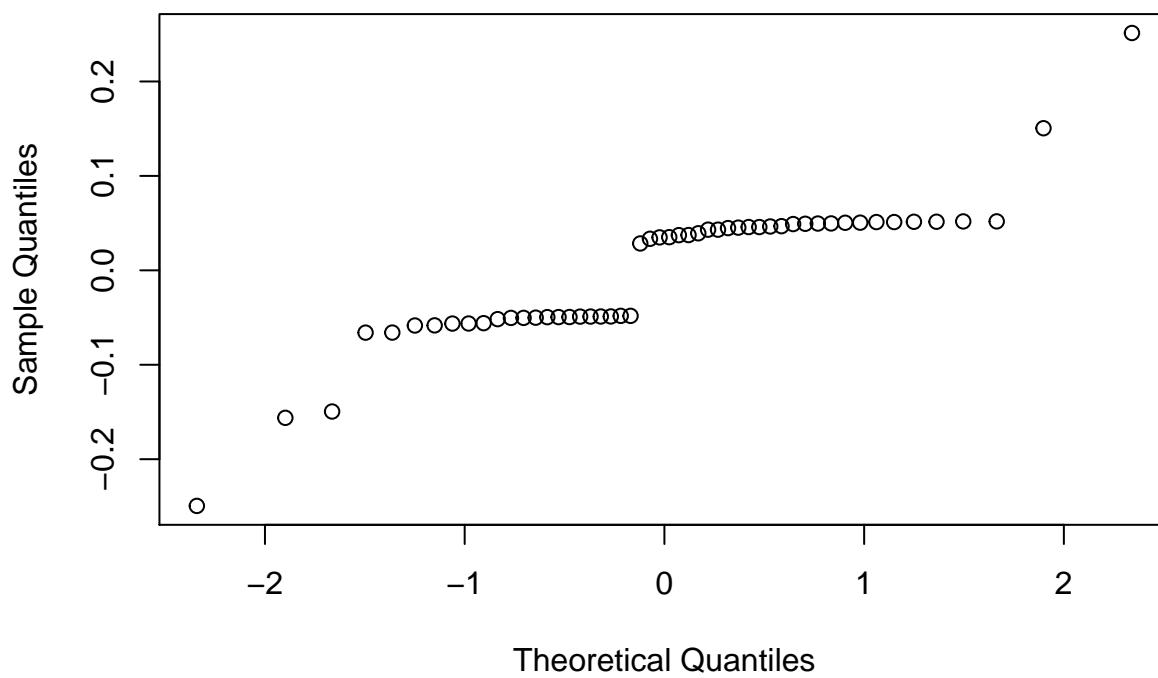
**Plot of PFDEAorig+**  
**Plot of PFDEAorigdays.since.struc.MRF**  
**Plot of PFDEAorigEthnicity**



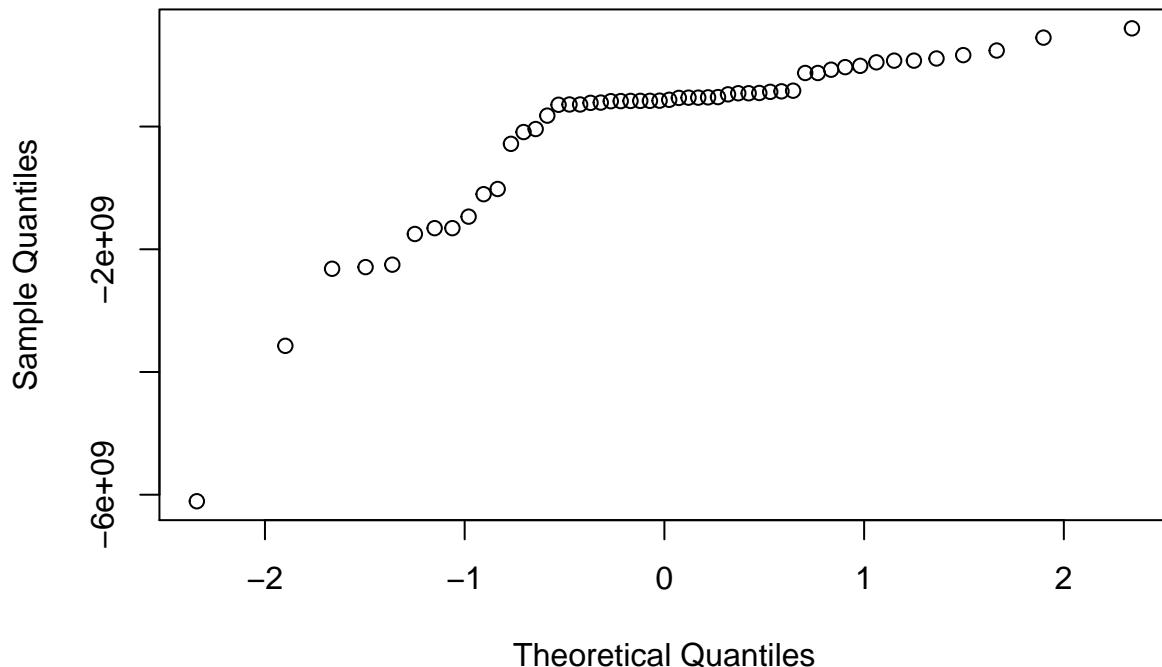
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
Plot of PFOSAtransEthnicity**



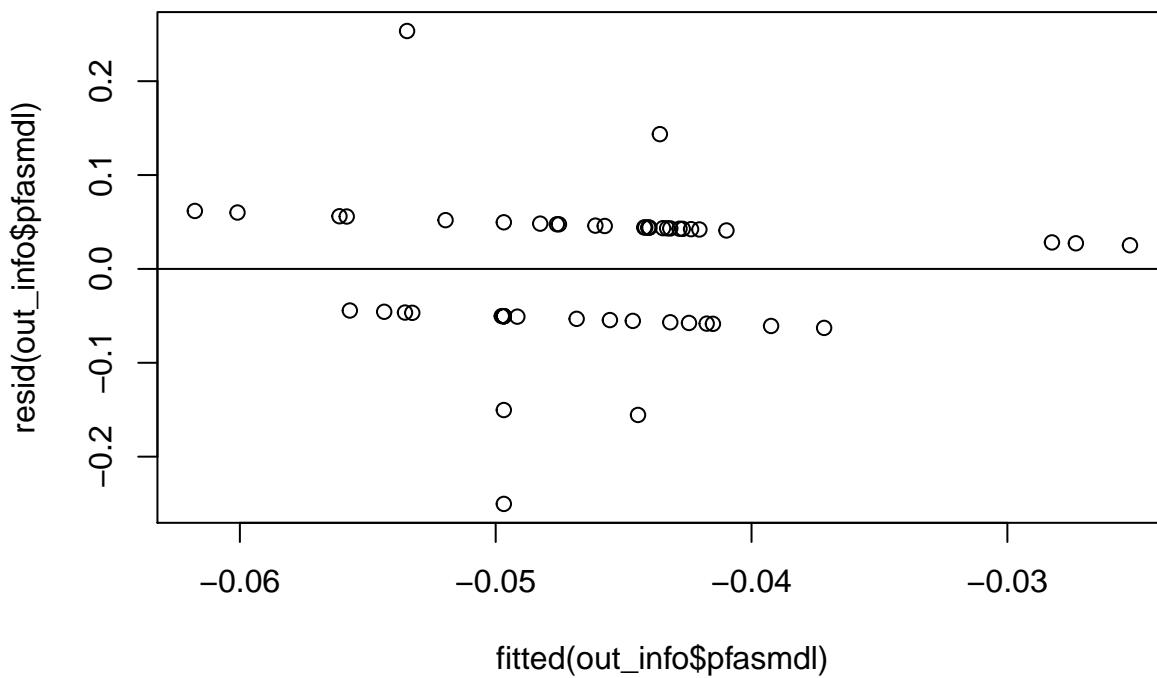
**Normal Q-Q Plot**



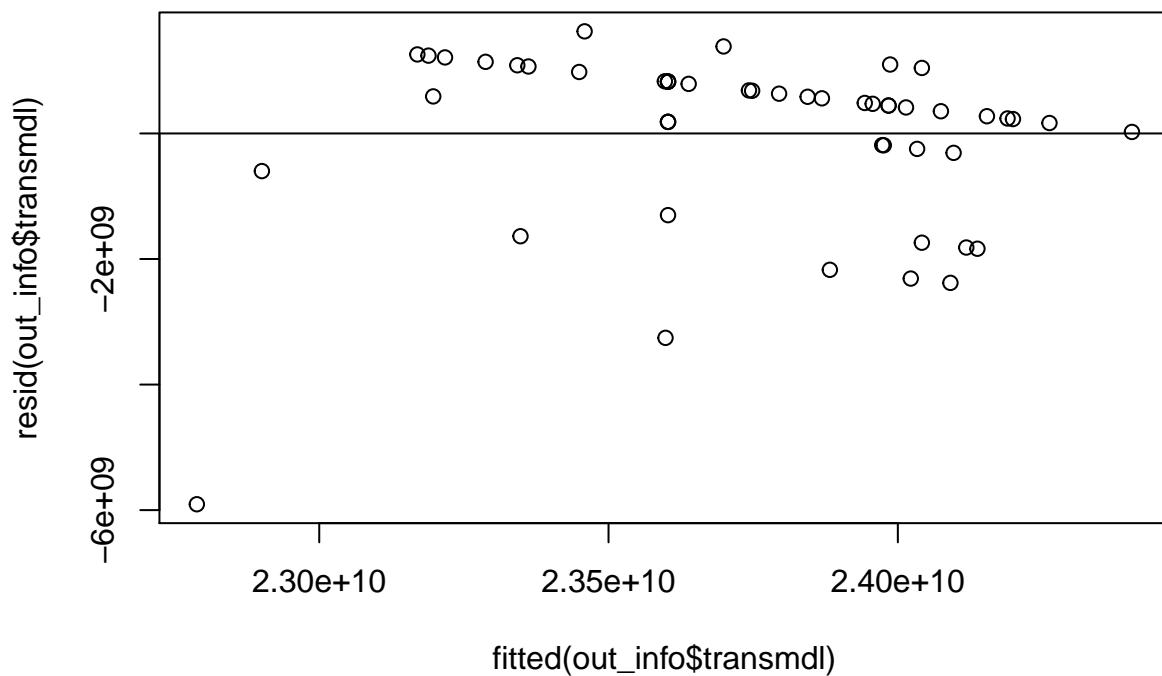
### Normal Q-Q Plot



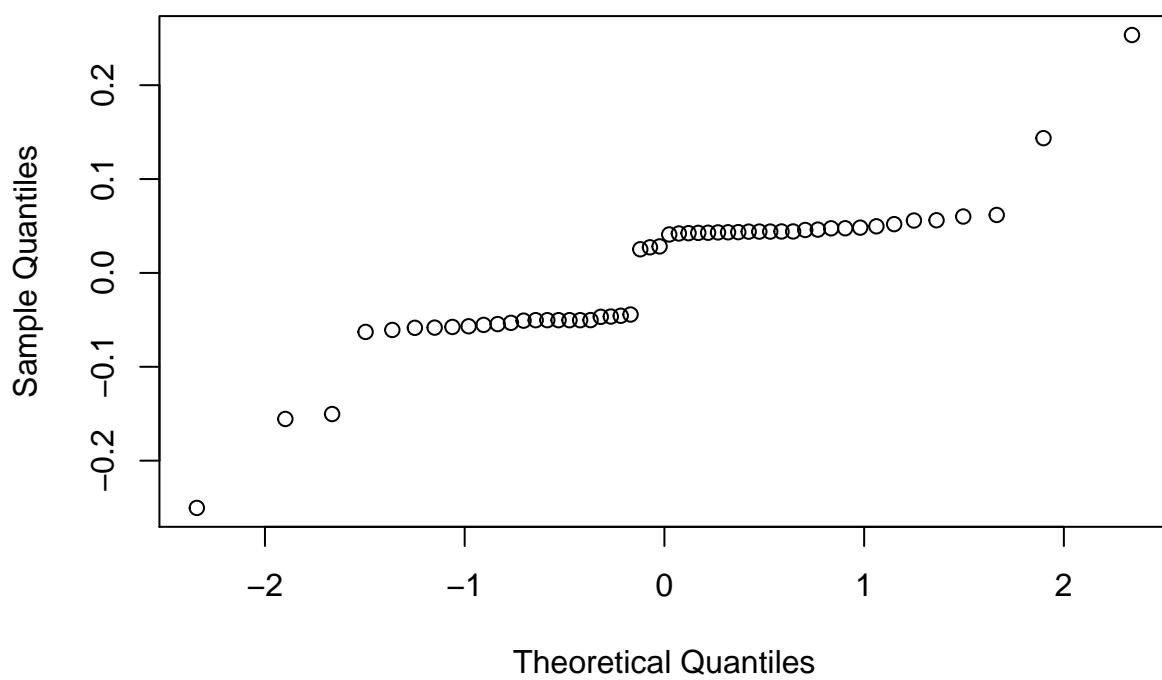
**Plot of PFDEAorig+**  
**Plot of PFDEAorigtime.since.baseline**  
**Plot of PFDEAorigEthnicity**



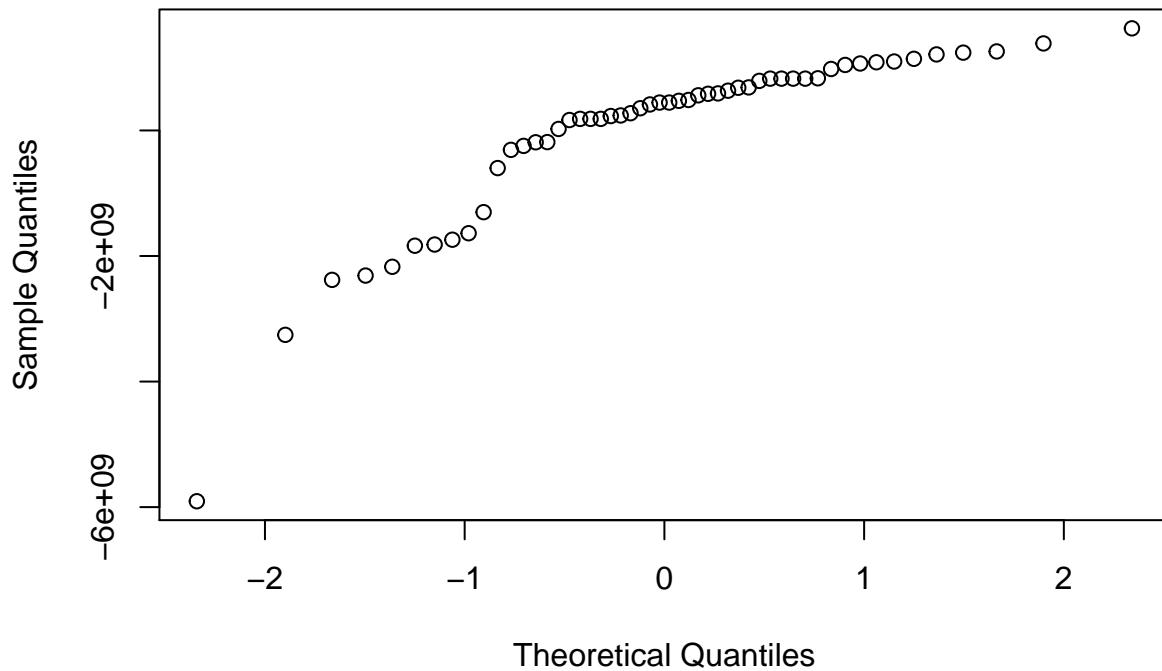
**Plot of PFOSAtrans+  
Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



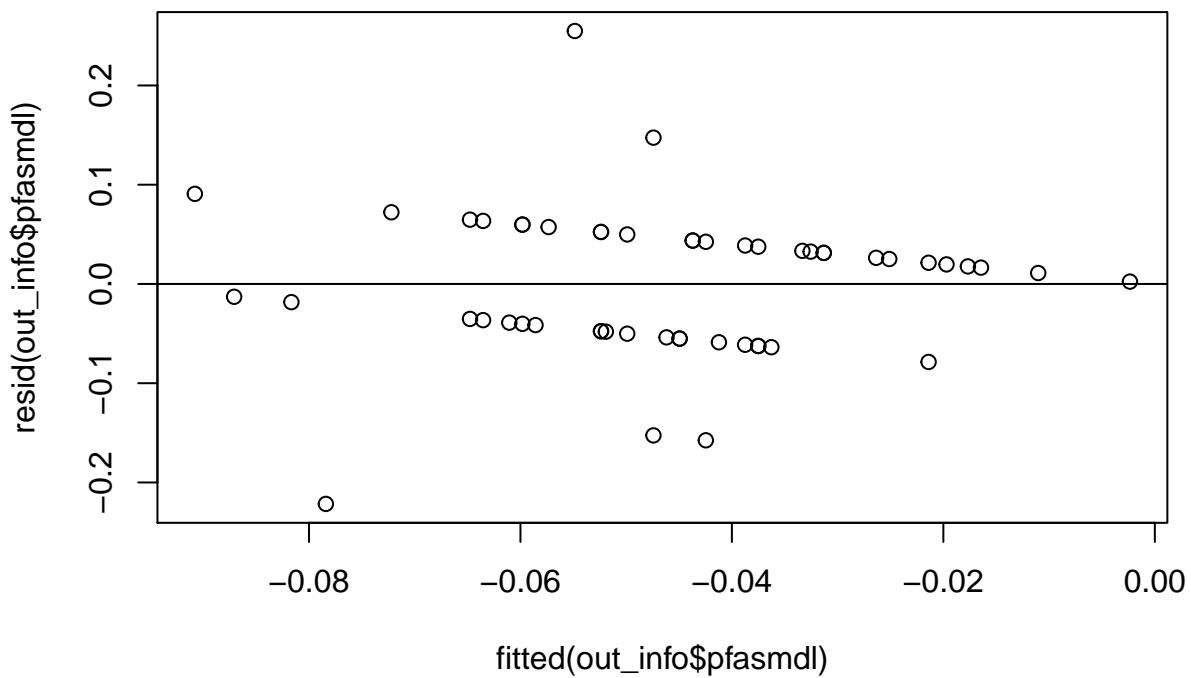
**Normal Q-Q Plot**



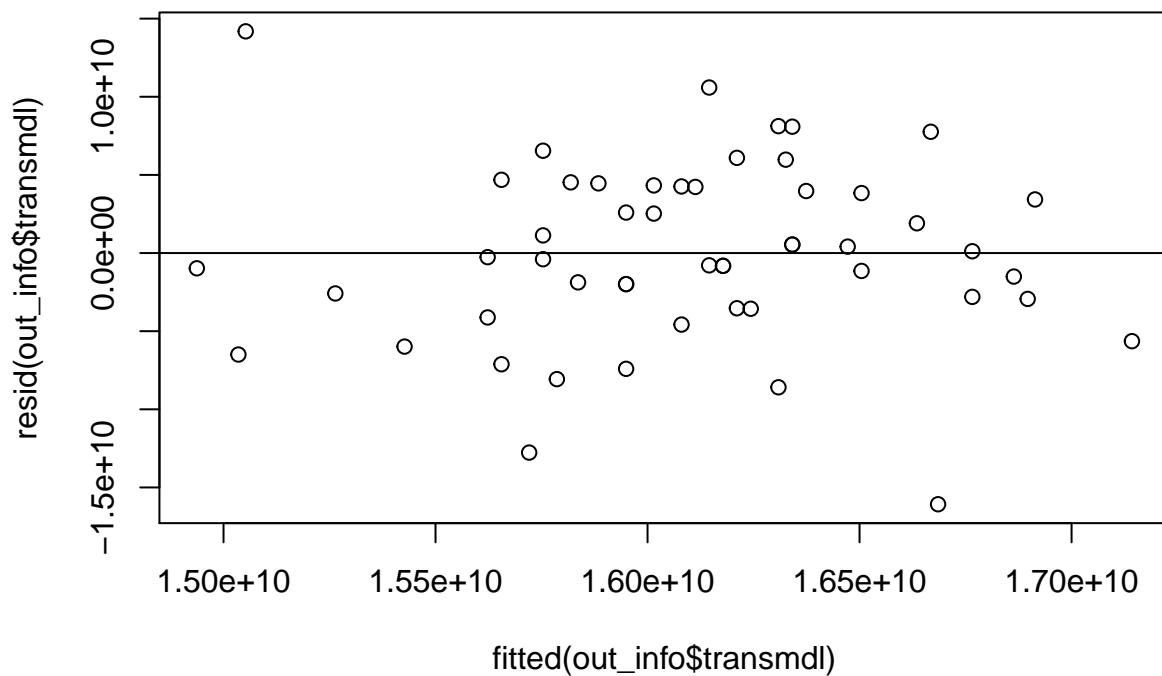
### Normal Q-Q Plot



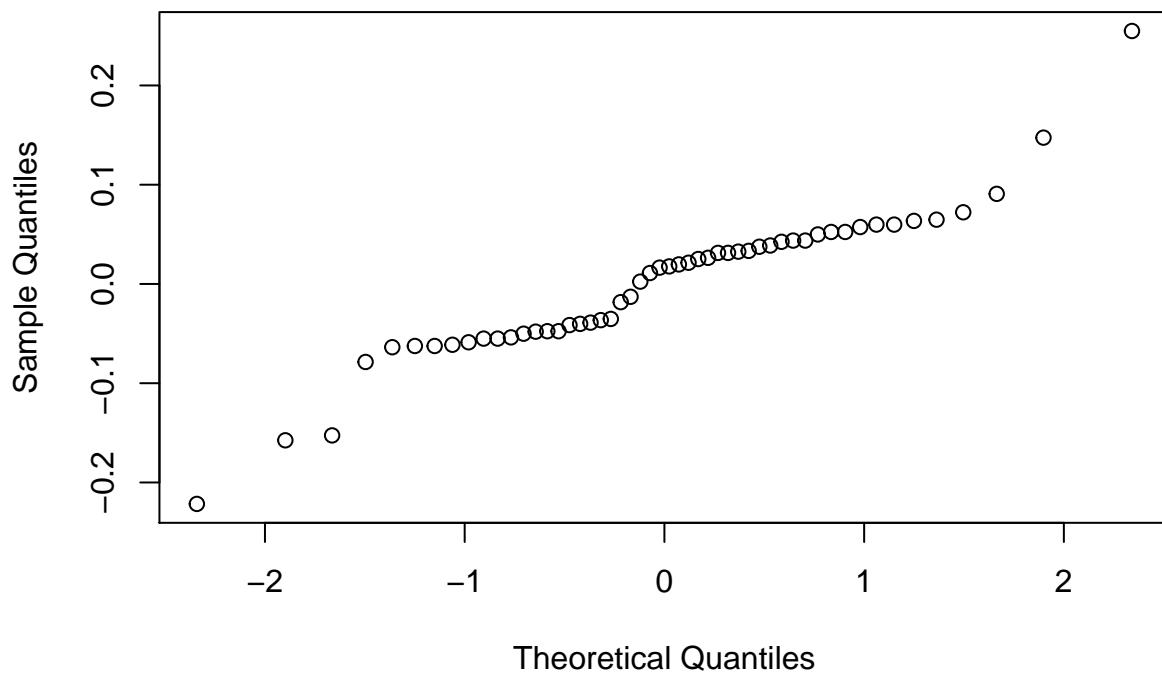
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity**



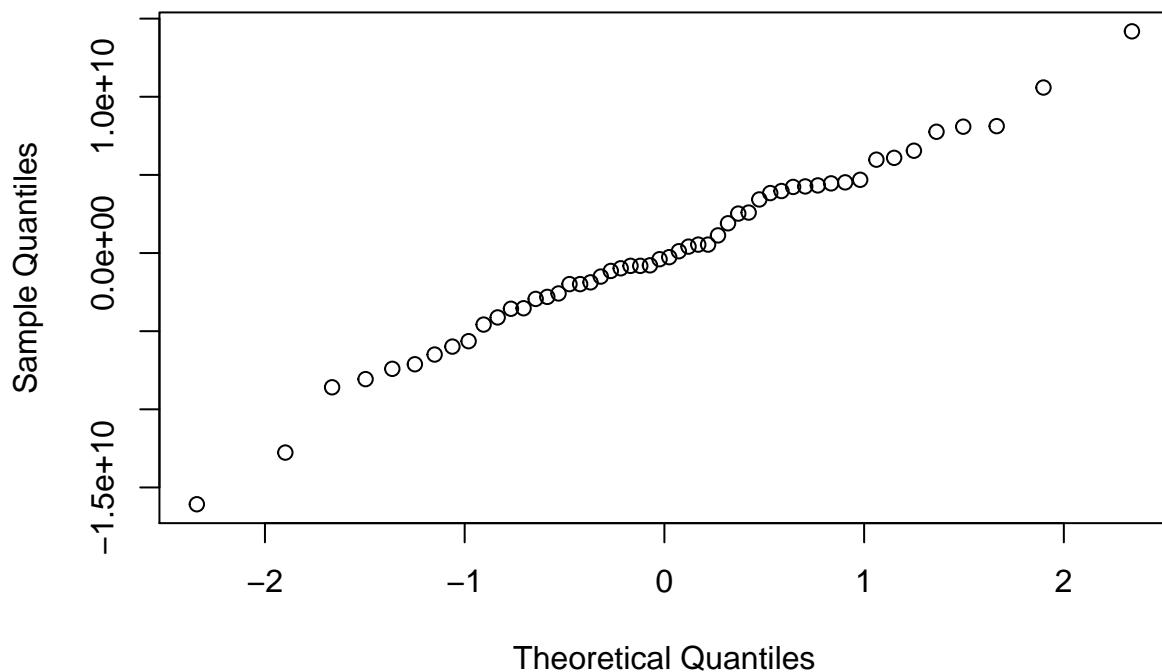
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



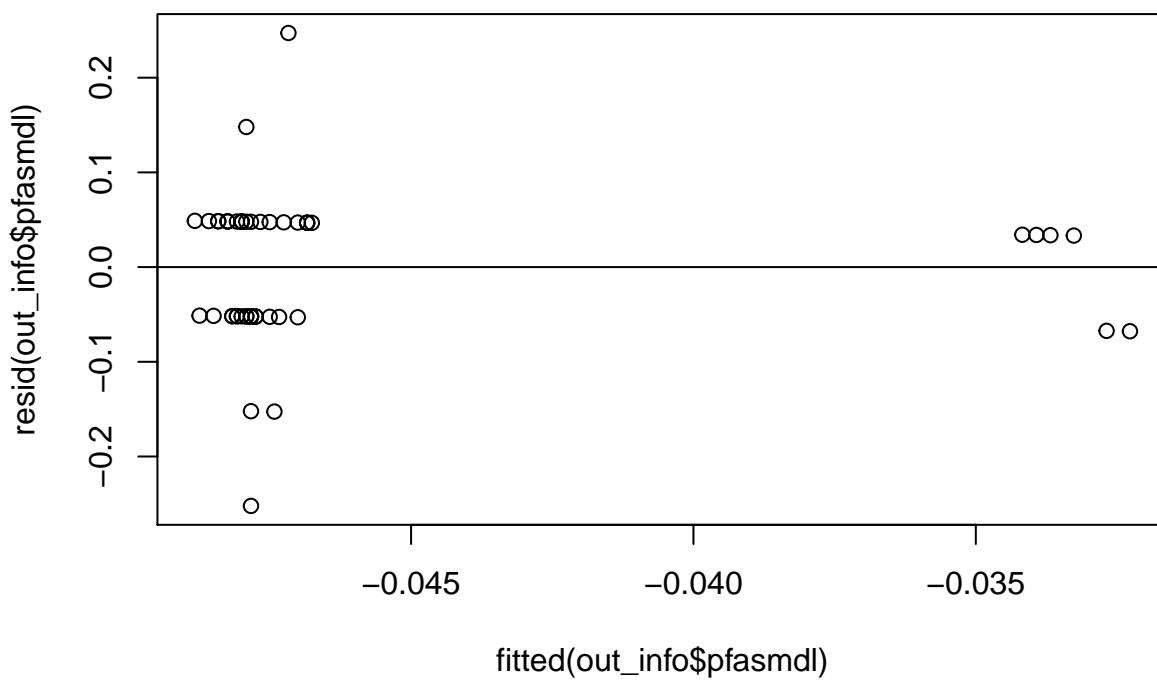
**Normal Q-Q Plot**



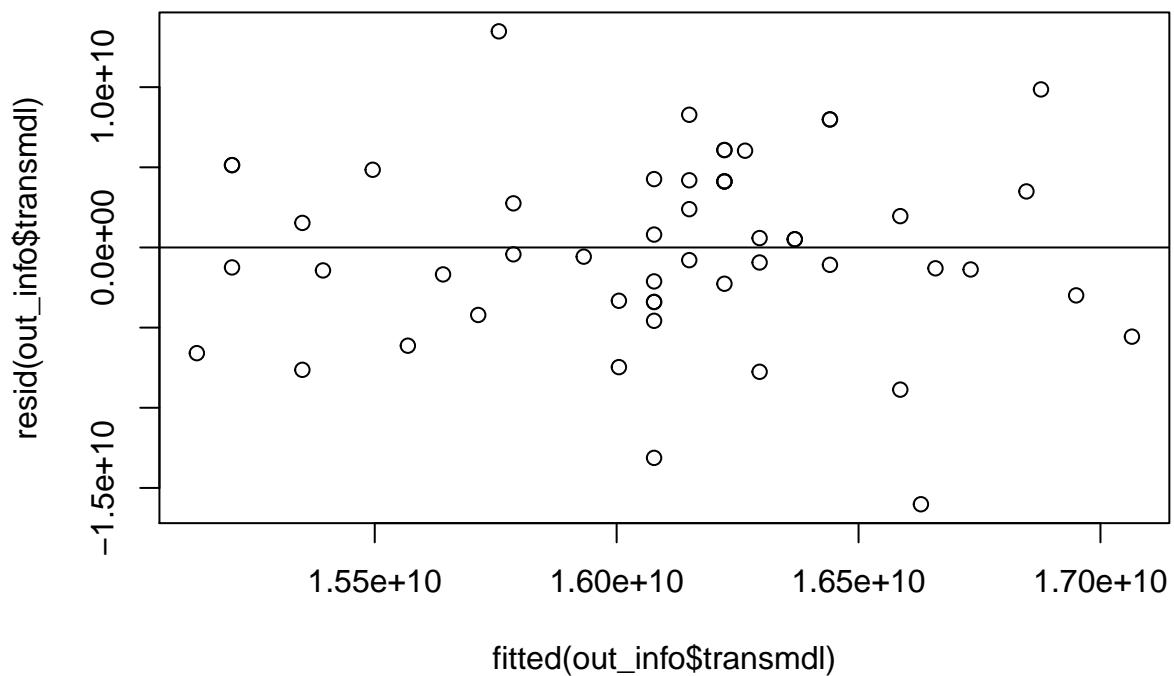
### Normal Q-Q Plot



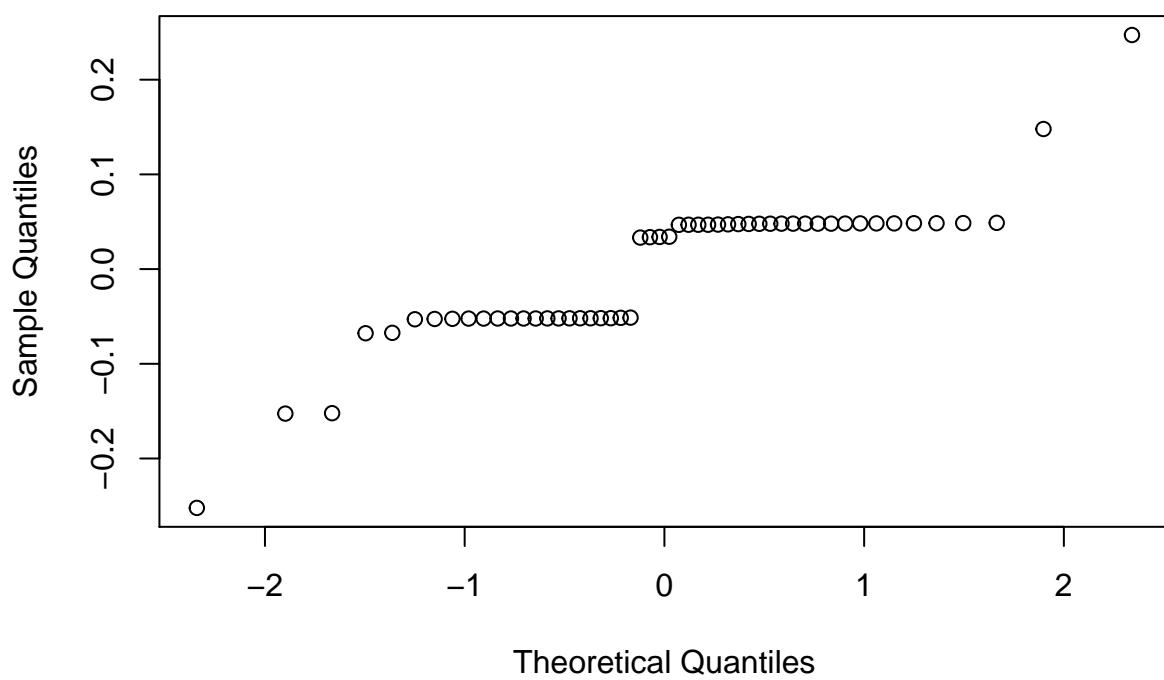
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.num.fireruns  
Plot of PFDEAorigEthnicity**



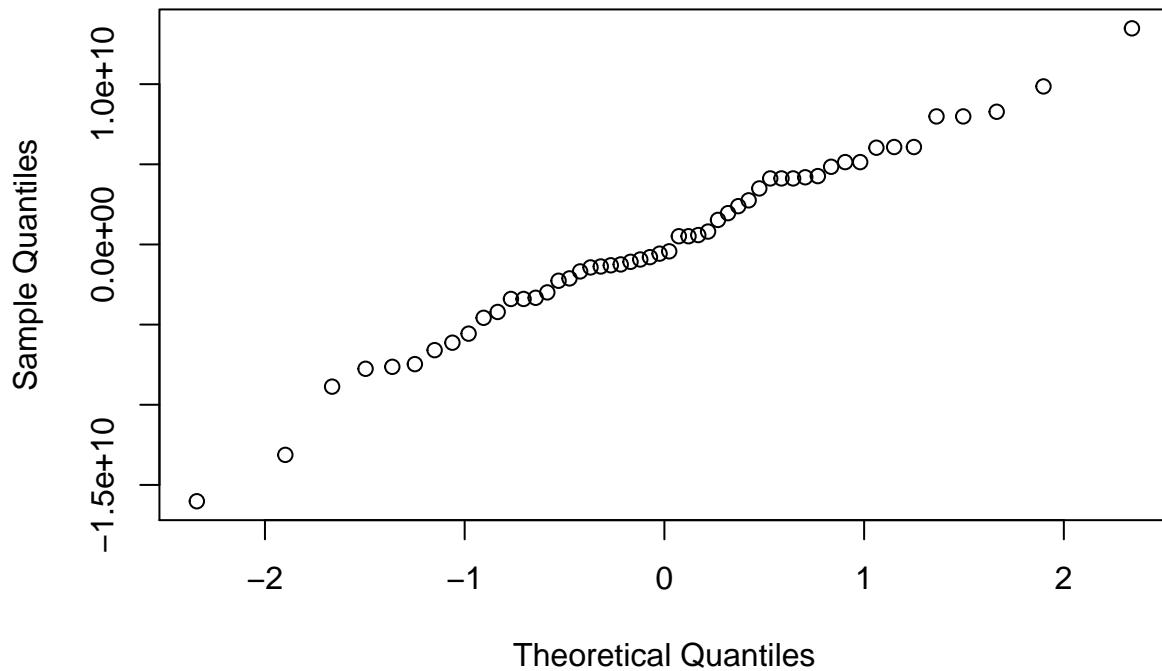
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.num.fireruns  
Plot of fnPFOAtransEthnicity**



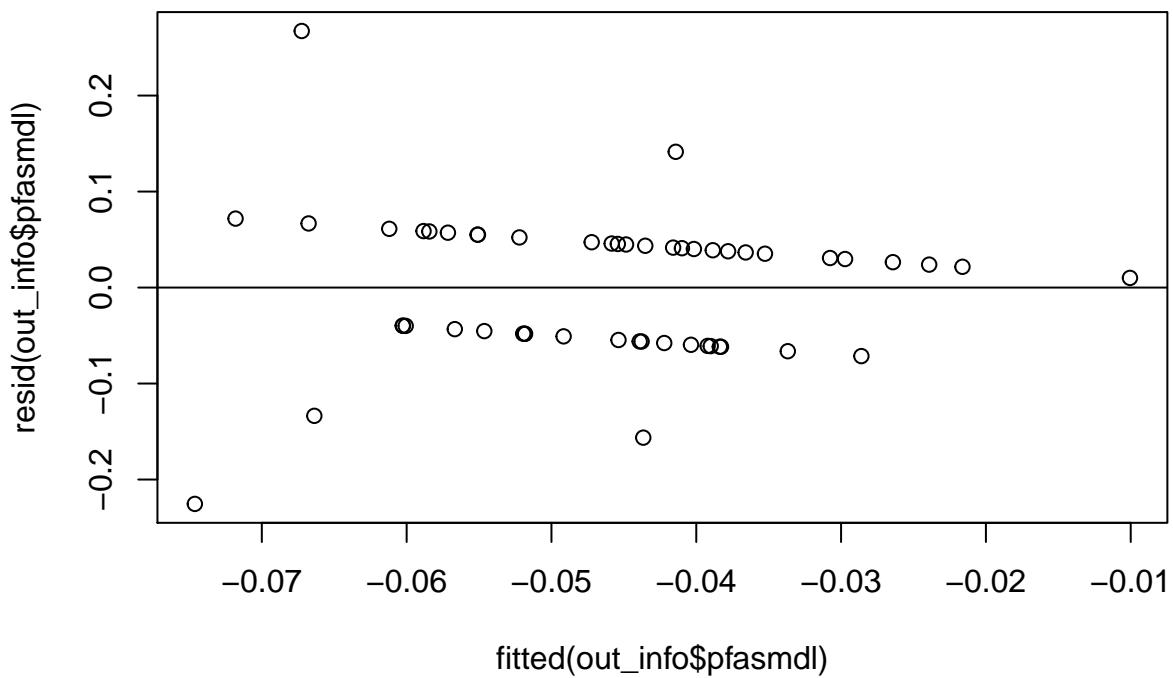
**Normal Q-Q Plot**



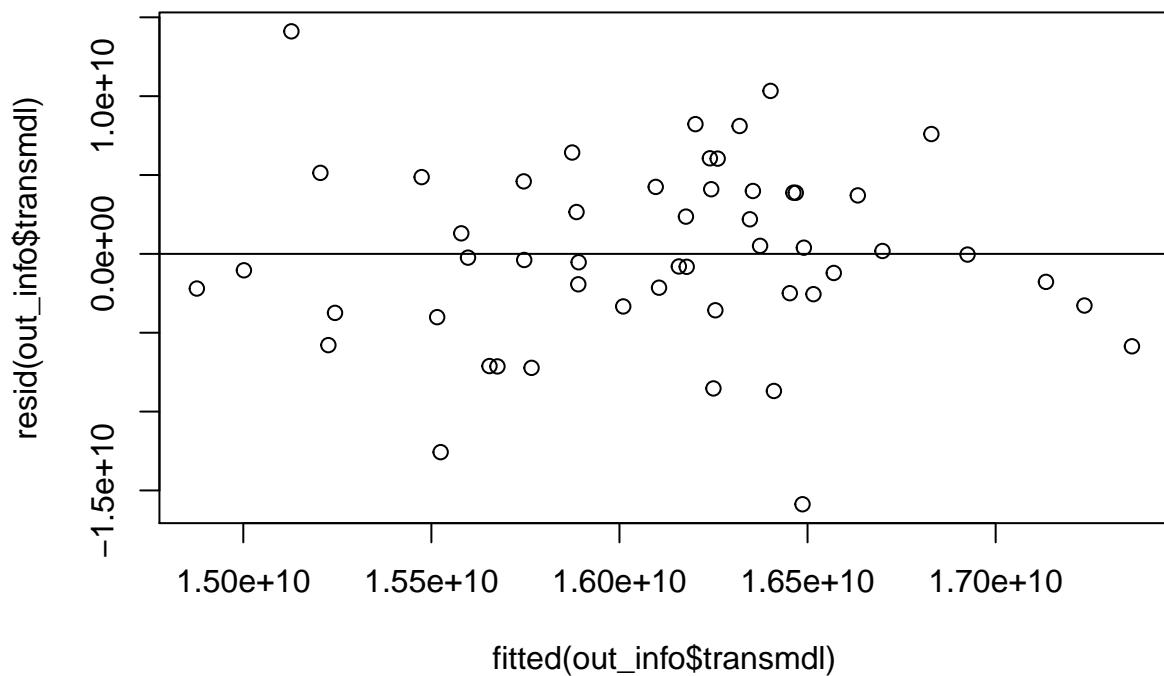
### Normal Q-Q Plot



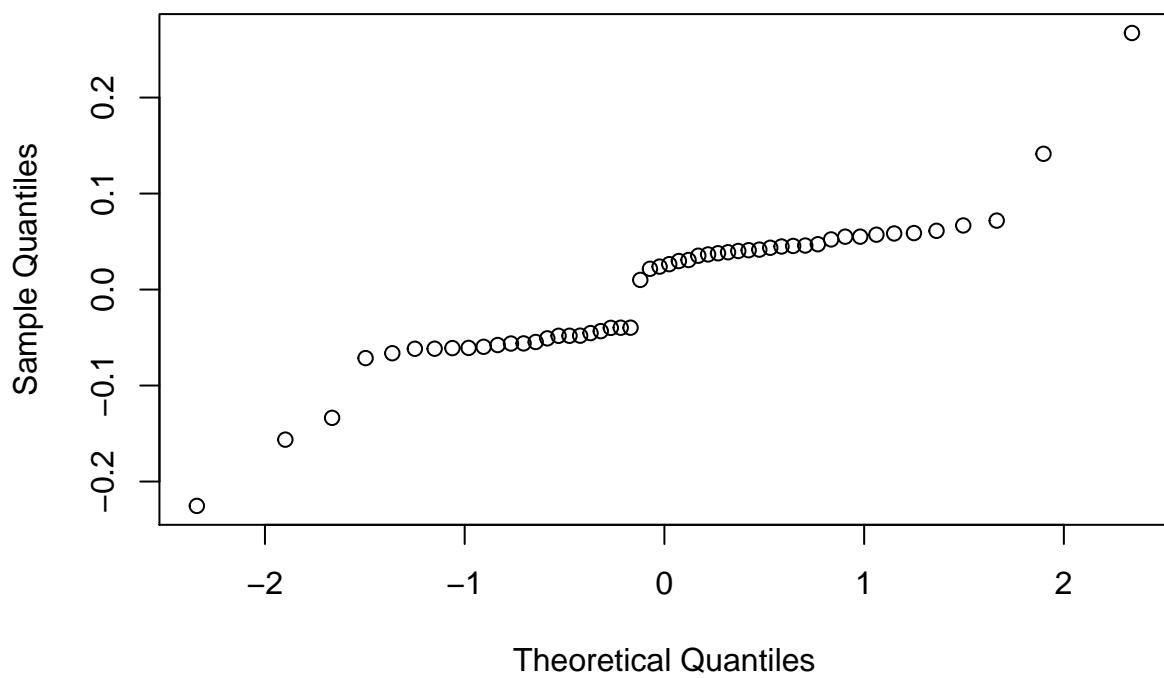
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity**



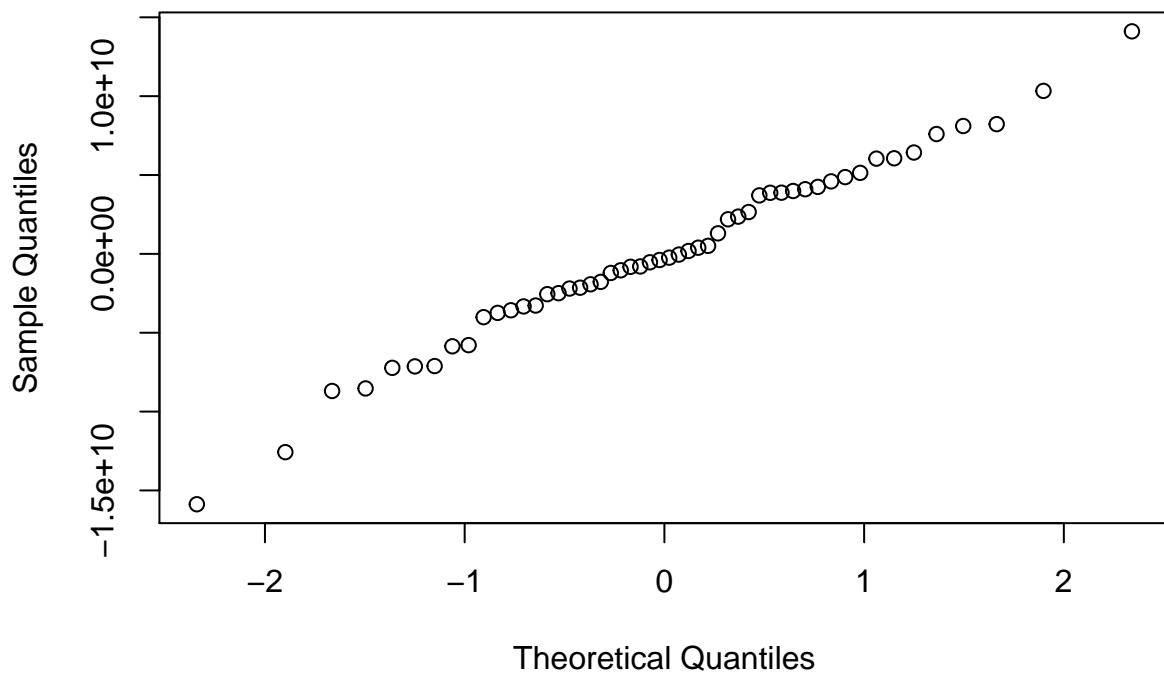
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.duration.hrs  
Plot of fnPFOAtransEthnicity**



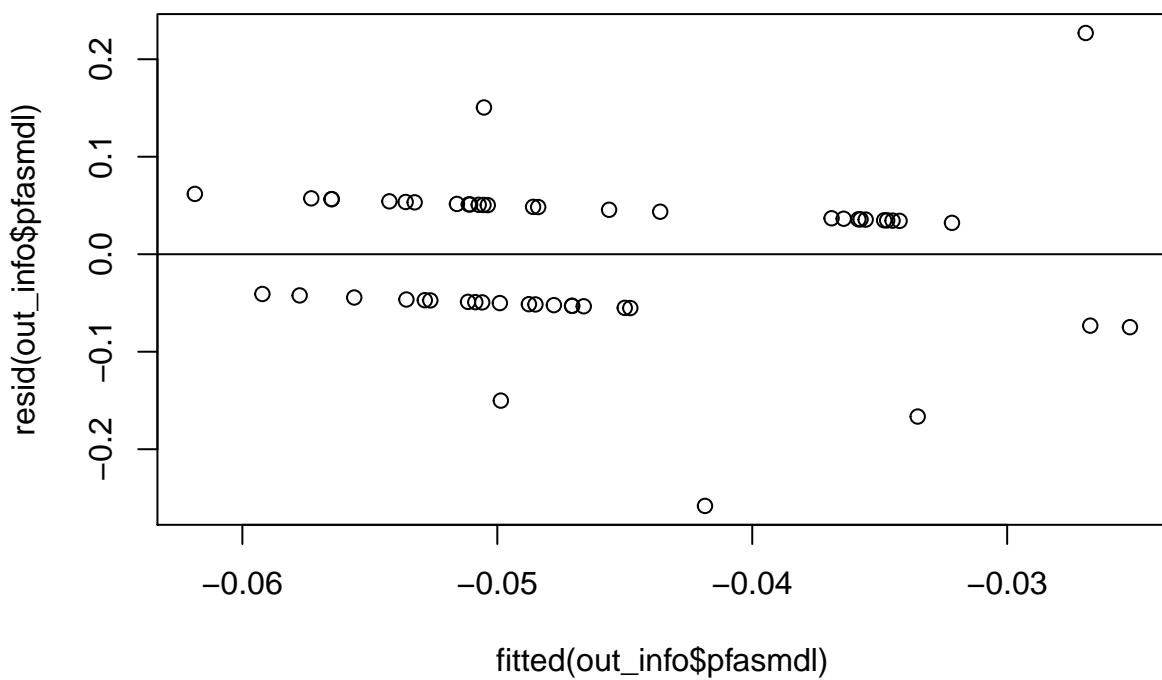
**Normal Q-Q Plot**



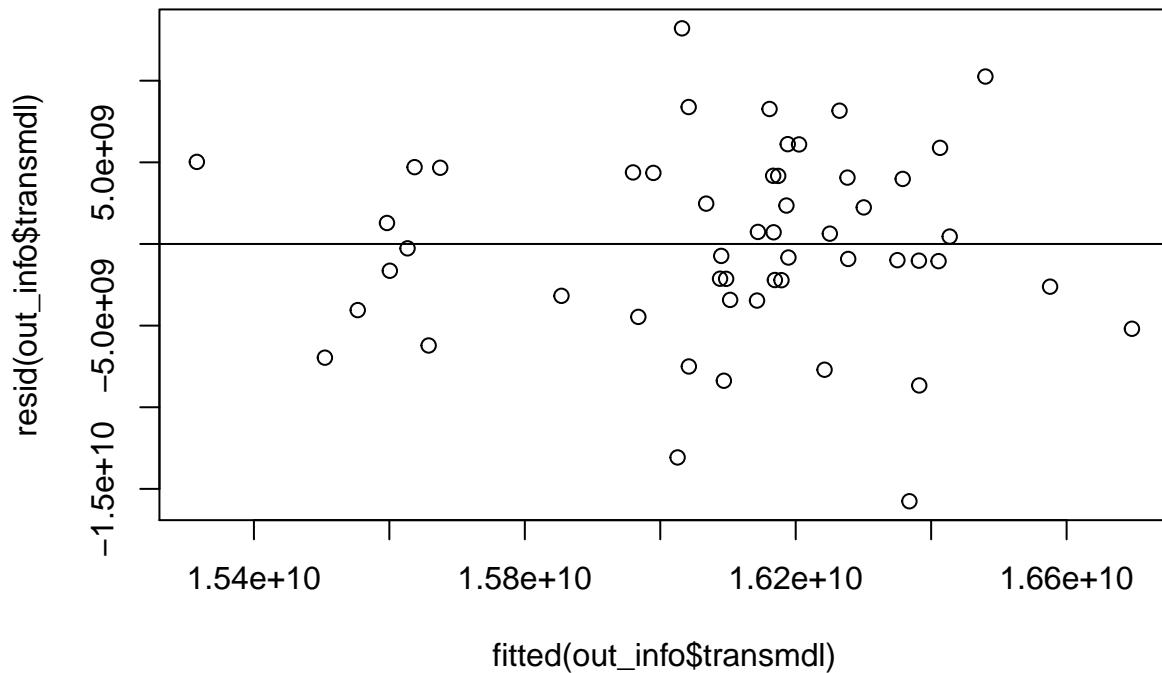
### Normal Q-Q Plot



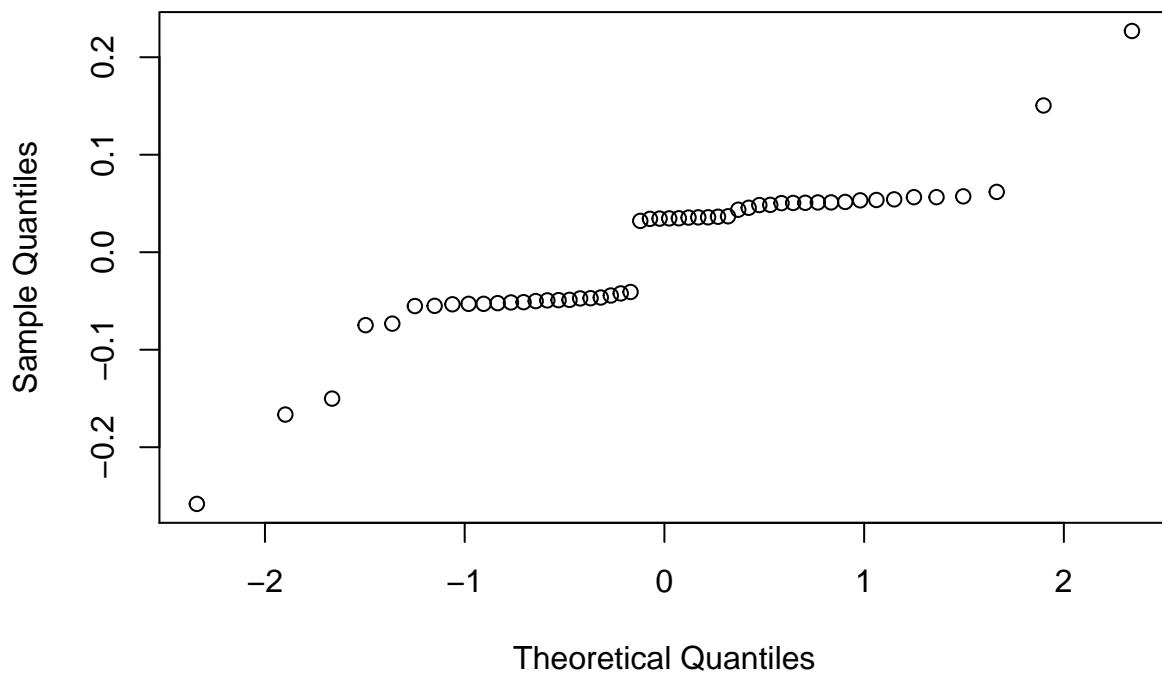
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.duration.hrs  
Plot of PFDEAorigEthnicity**



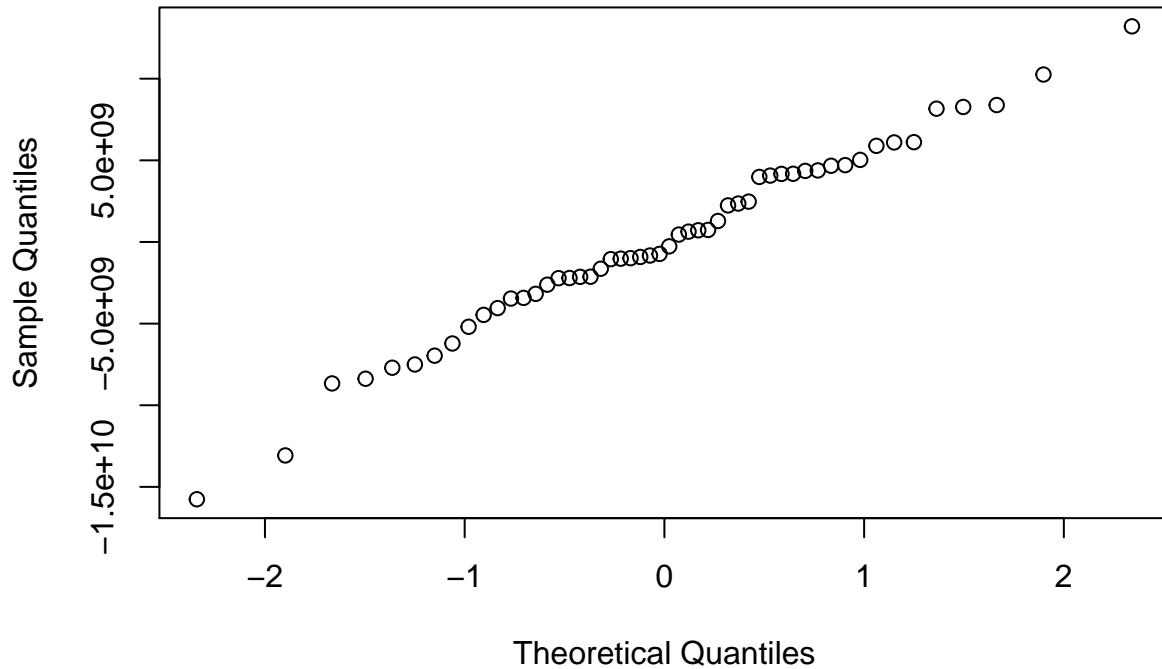
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.duration.hrs  
Plot of fnPFOAtransEthnicity**



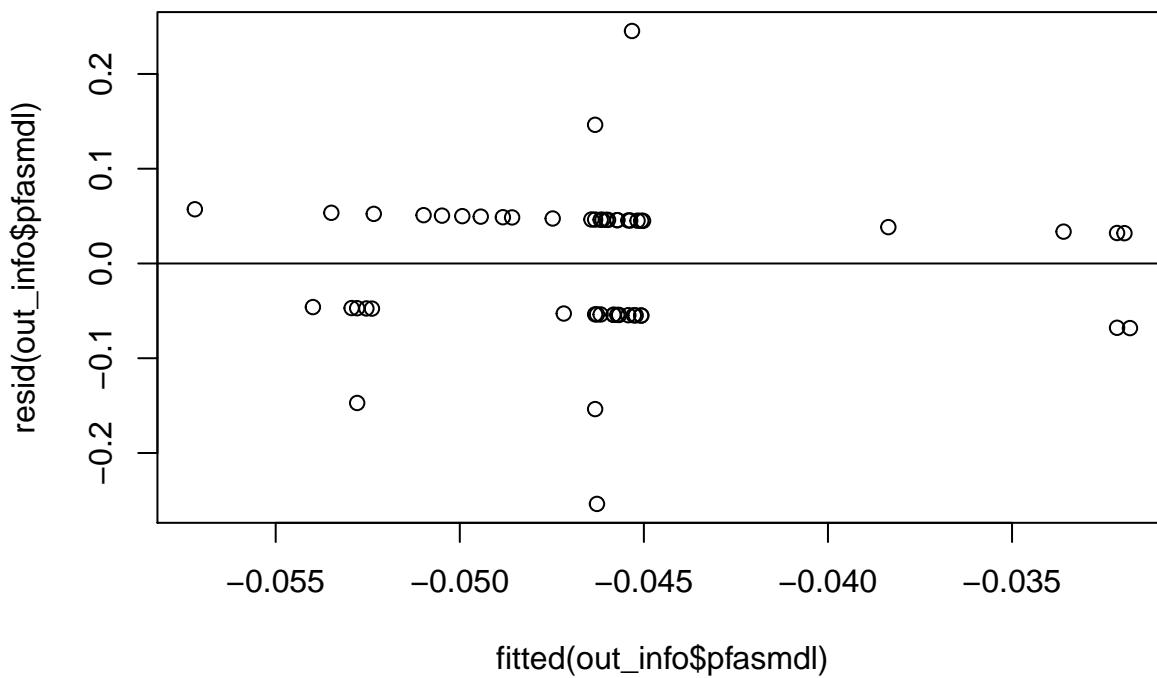
**Normal Q-Q Plot**



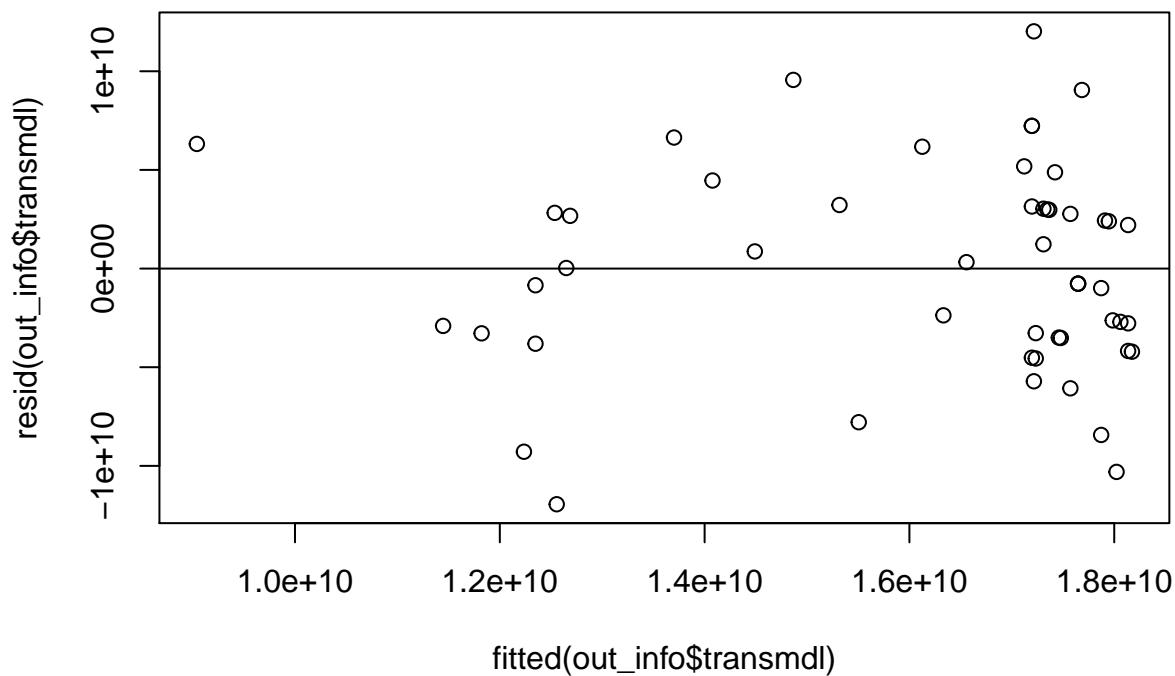
### Normal Q-Q Plot



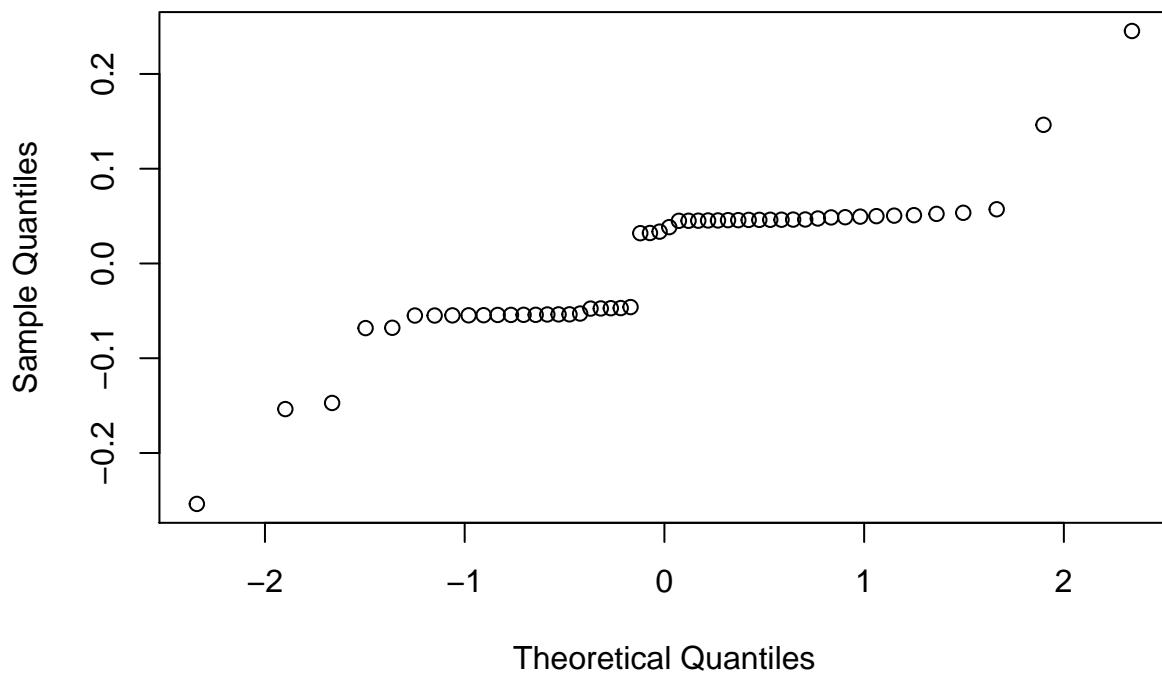
**Plot of PFDEAorig+**  
**Plot of PFDEAorigdays.since.MRF**  
**Plot of PFDEAorigEthnicity**



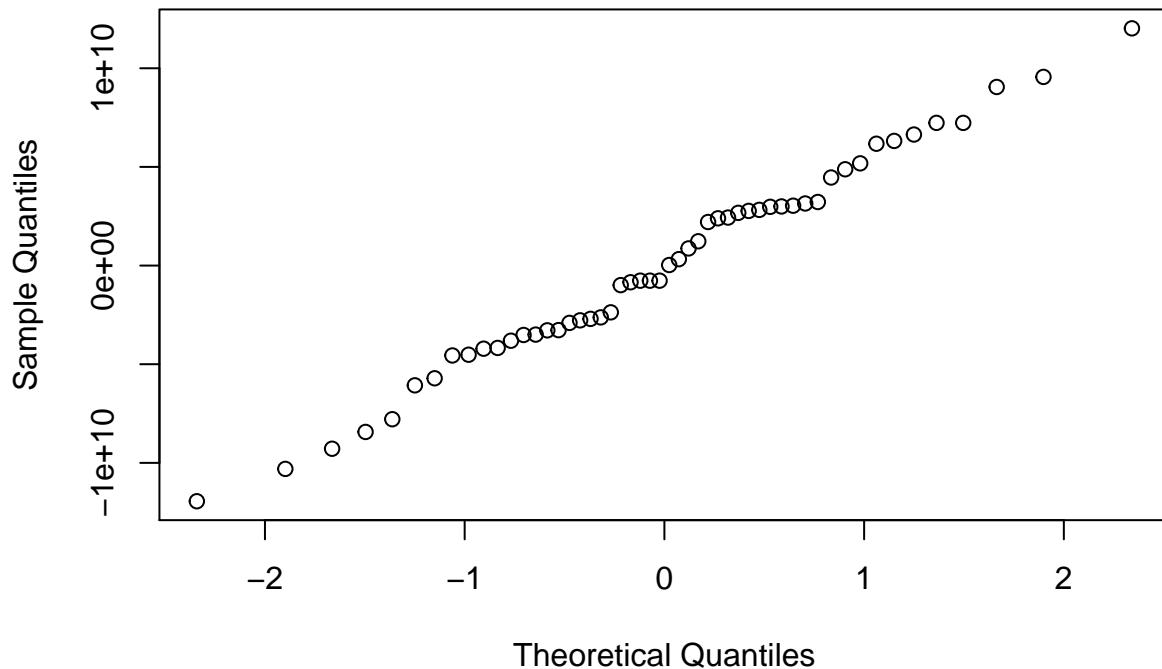
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.MRF  
Plot of fnPFOAtransEthnicity**



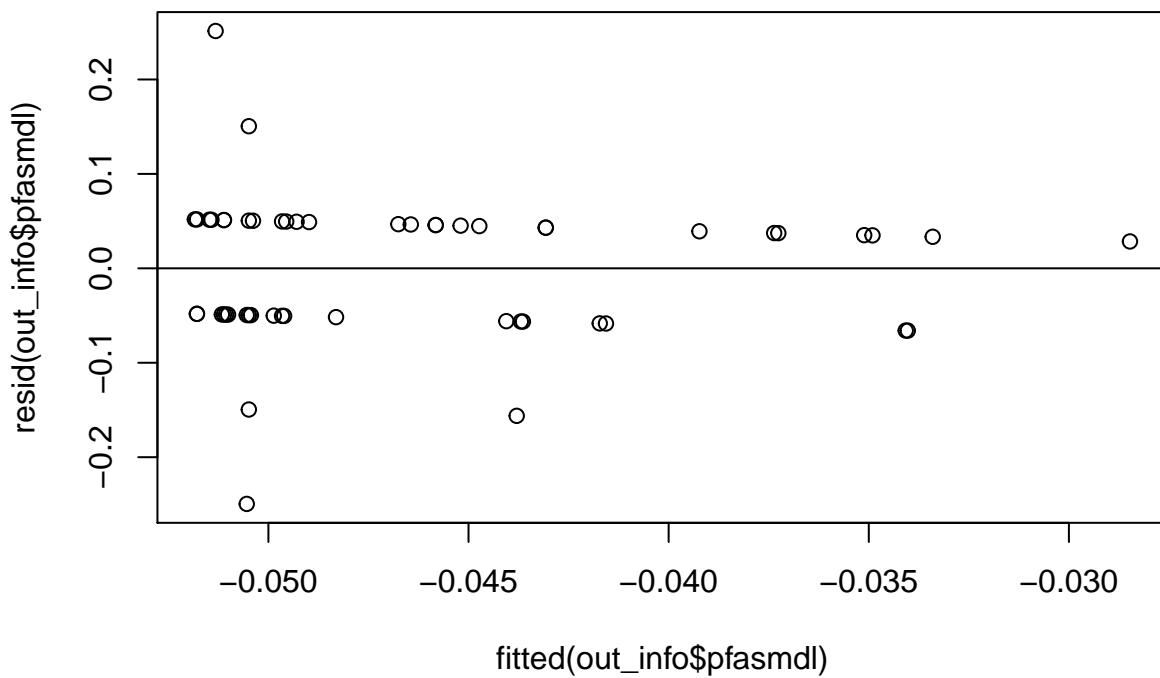
**Normal Q-Q Plot**



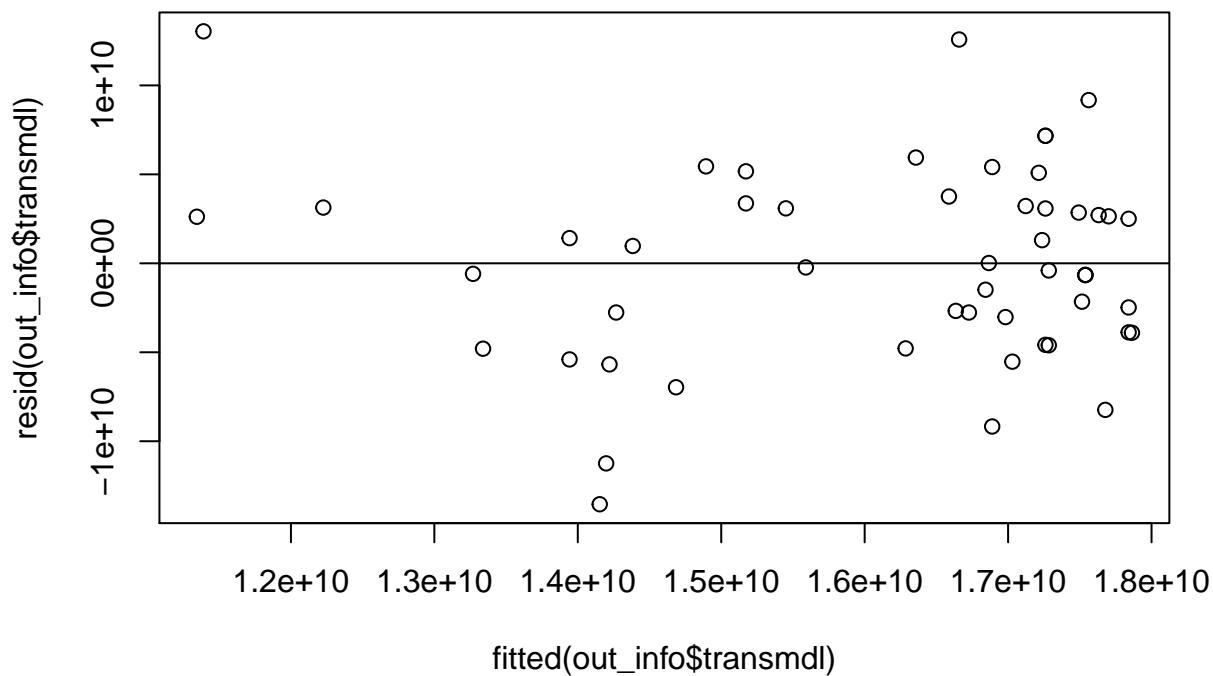
### Normal Q-Q Plot



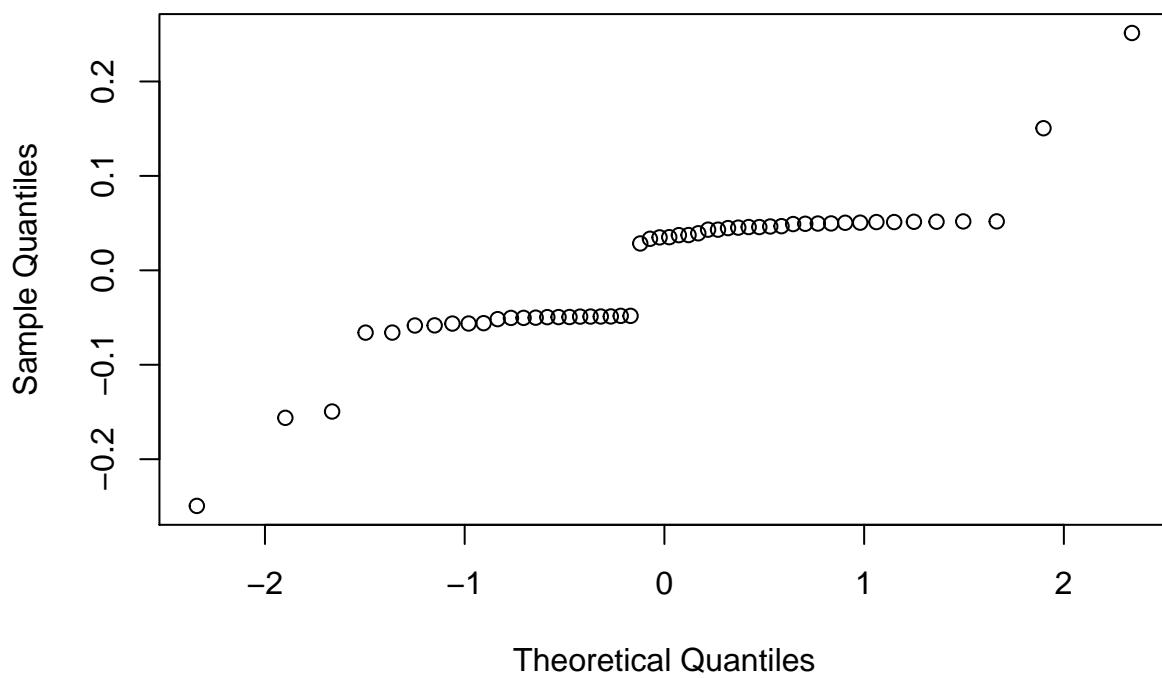
**Plot of PFDEAorig+**  
**Plot of PFDEAorigdays.since.struc.MRF**  
**Plot of PFDEAorigEthnicity**



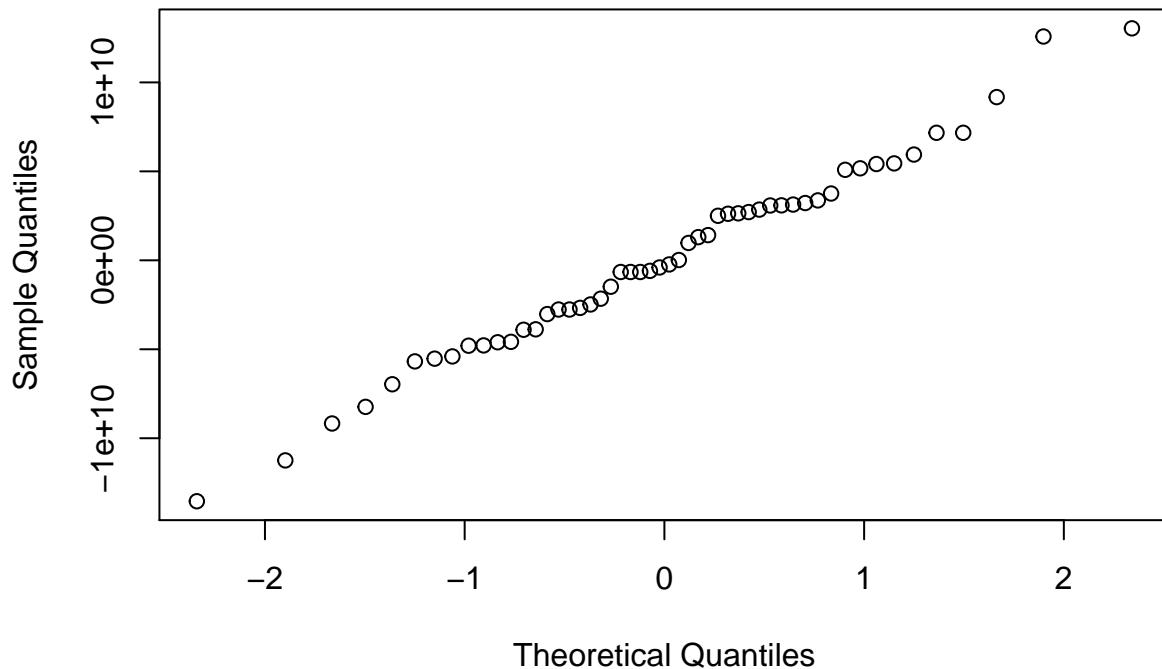
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.struc.MRF  
Plot of fnPFOAtransEthnicity**



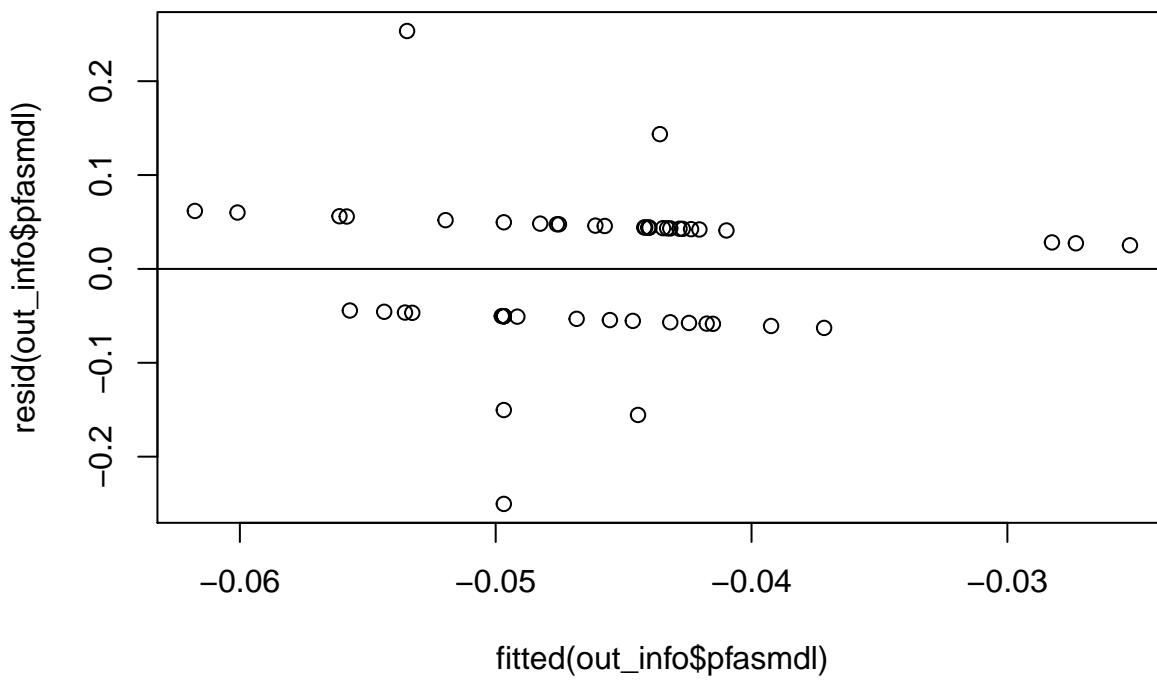
**Normal Q-Q Plot**



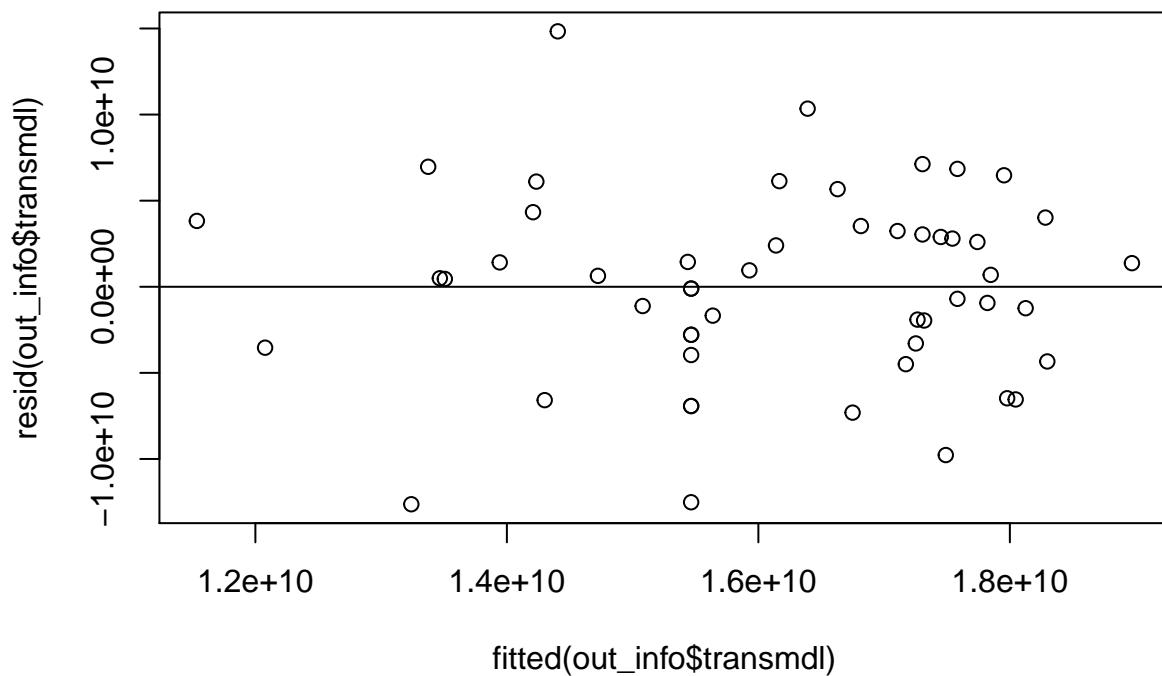
### Normal Q-Q Plot



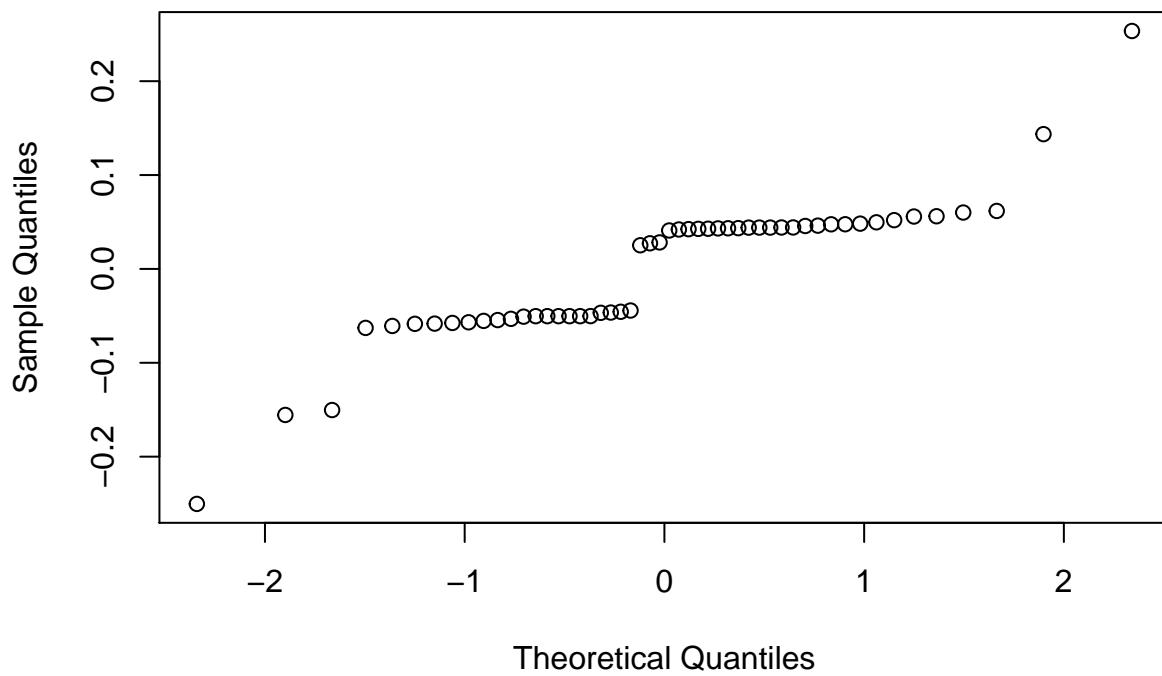
**Plot of PFDEAorig+**  
**Plot of PFDEAorigtime.since.baseline**  
**Plot of PFDEAorigEthnicity**



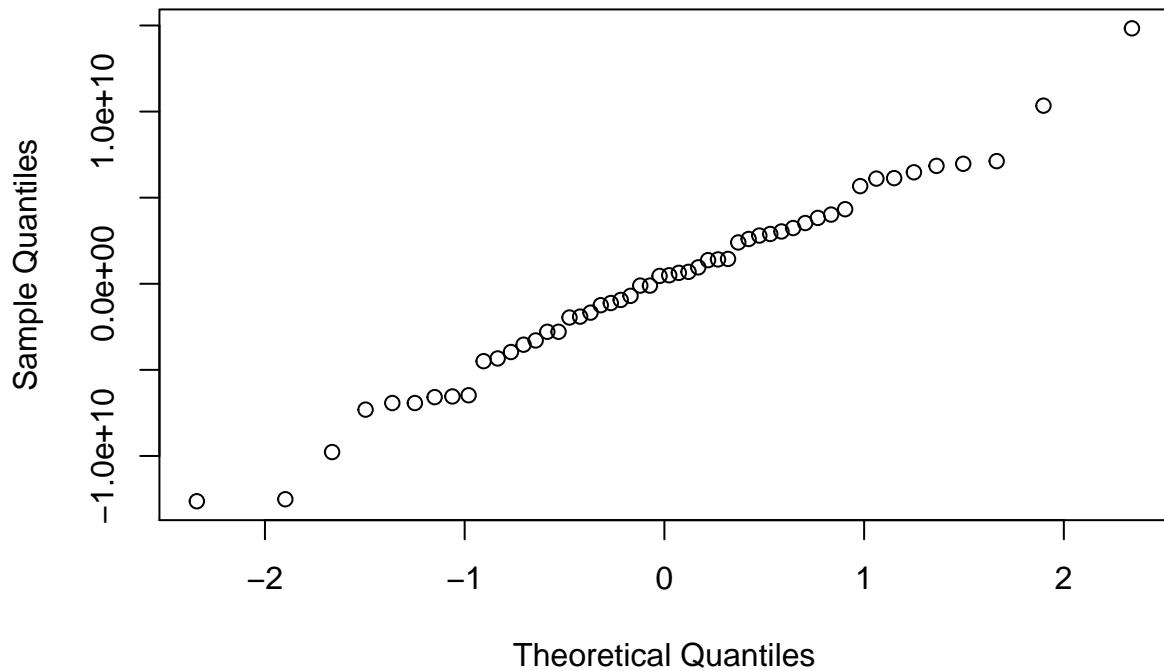
**Plot of nPFOAtrans+  
Plot of nPFOAtranstime.since.baseline  
Plot of nPFOAtransEthnicity**



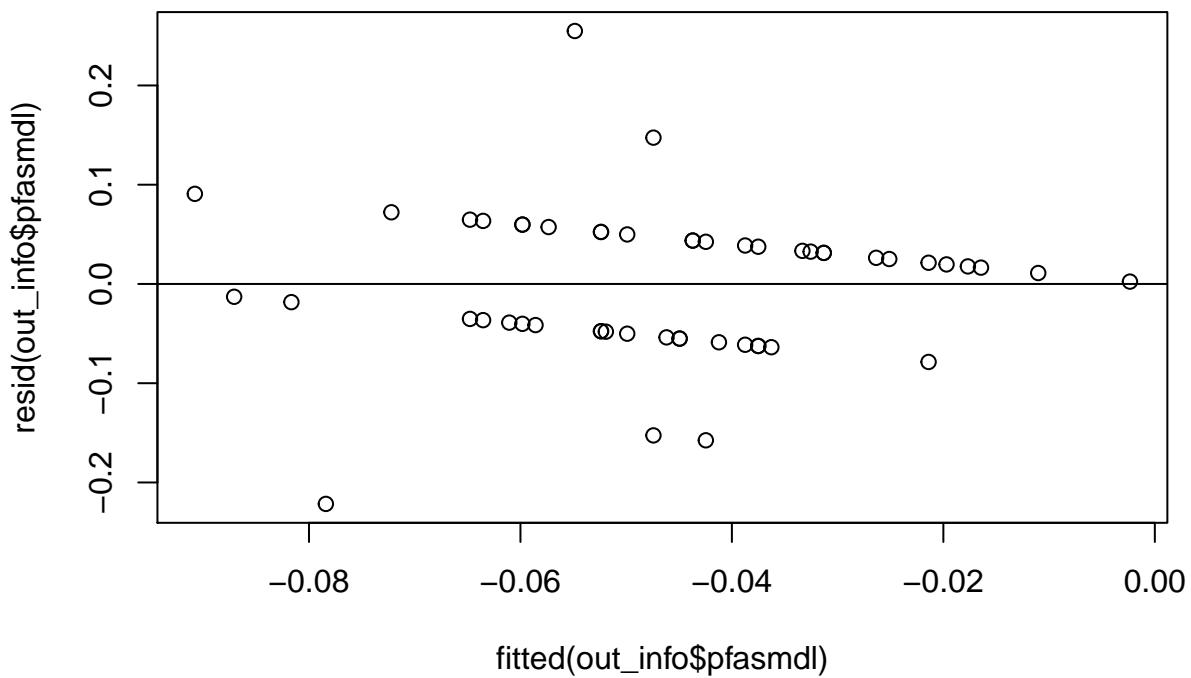
**Normal Q-Q Plot**



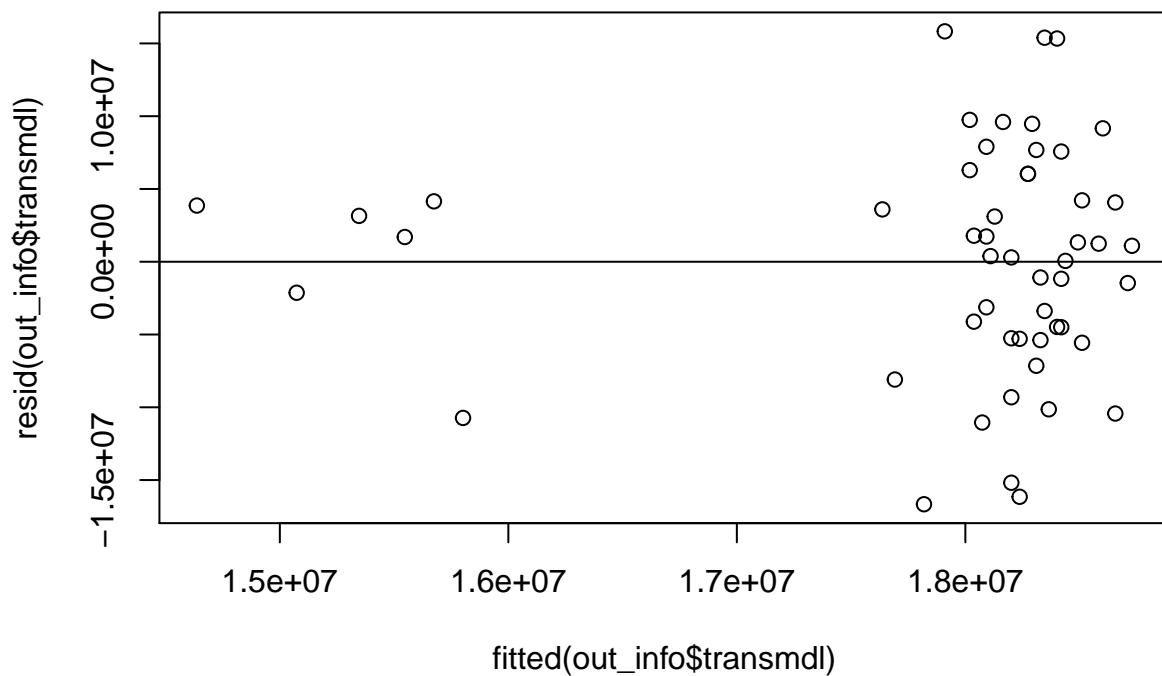
### Normal Q-Q Plot



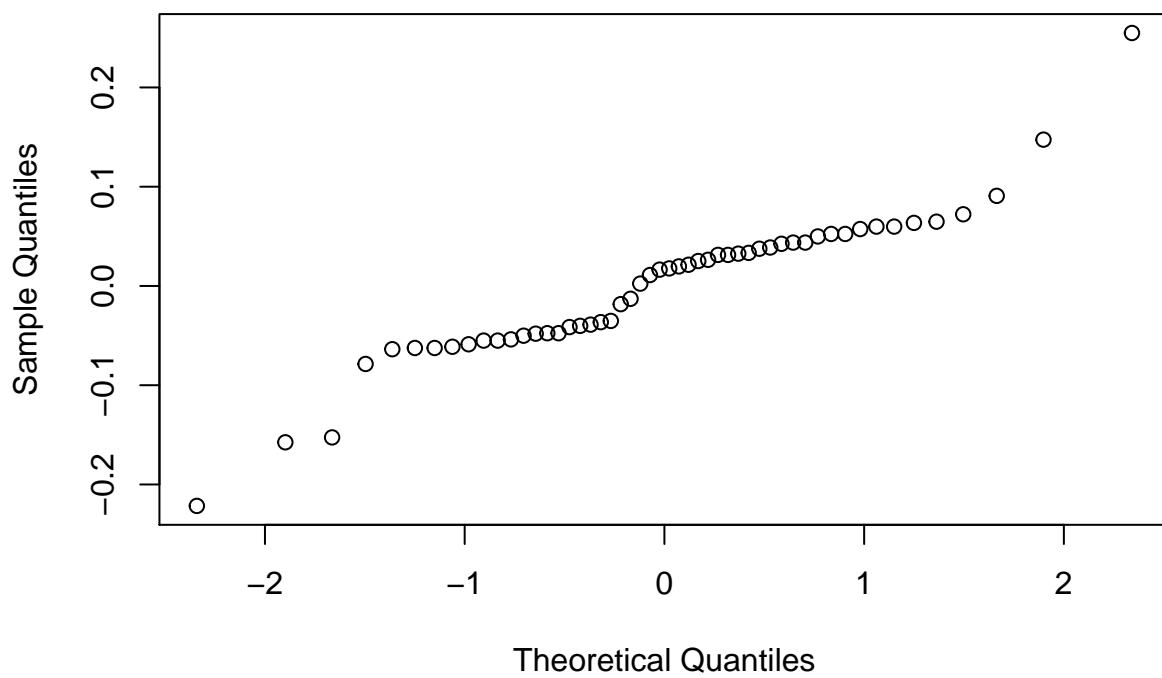
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity**



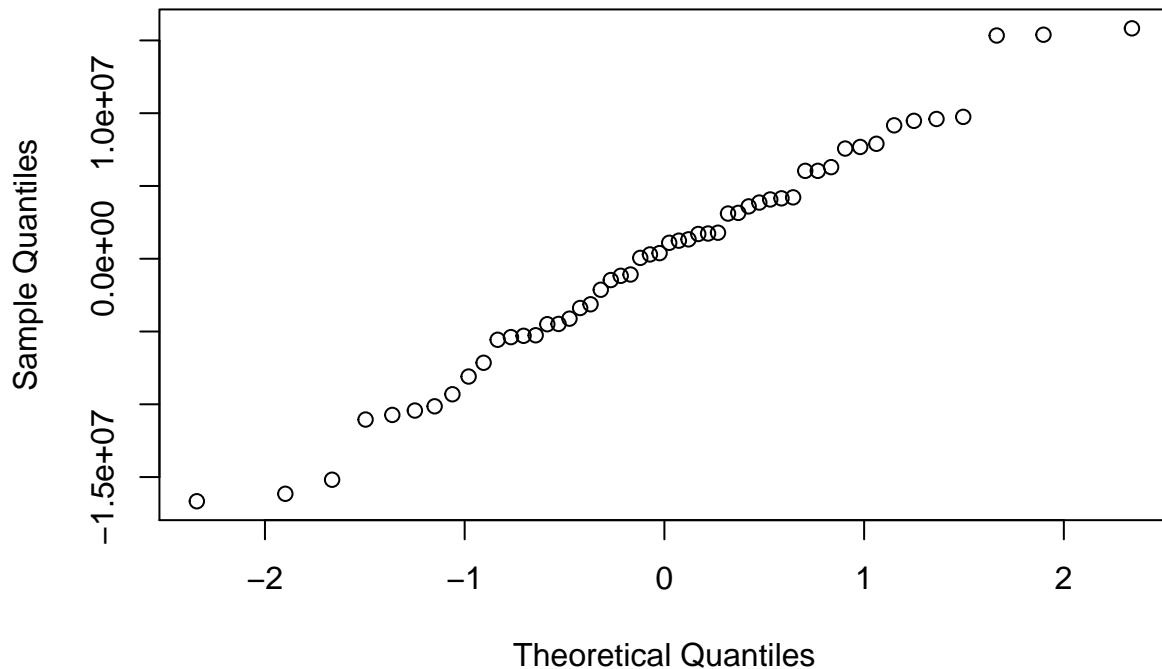
**Plot of fnPFOStrans+  
Plot of fnPFOStrantotal.num.fireruns  
Plot of fnPFOStransEthnicity**



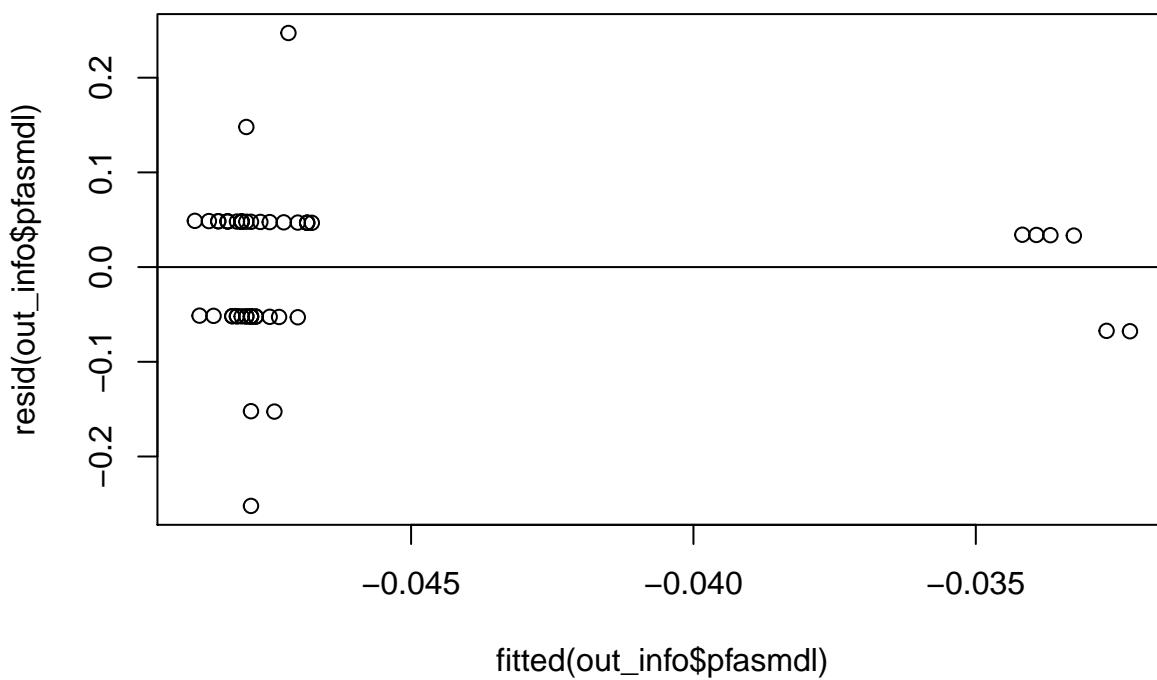
**Normal Q-Q Plot**



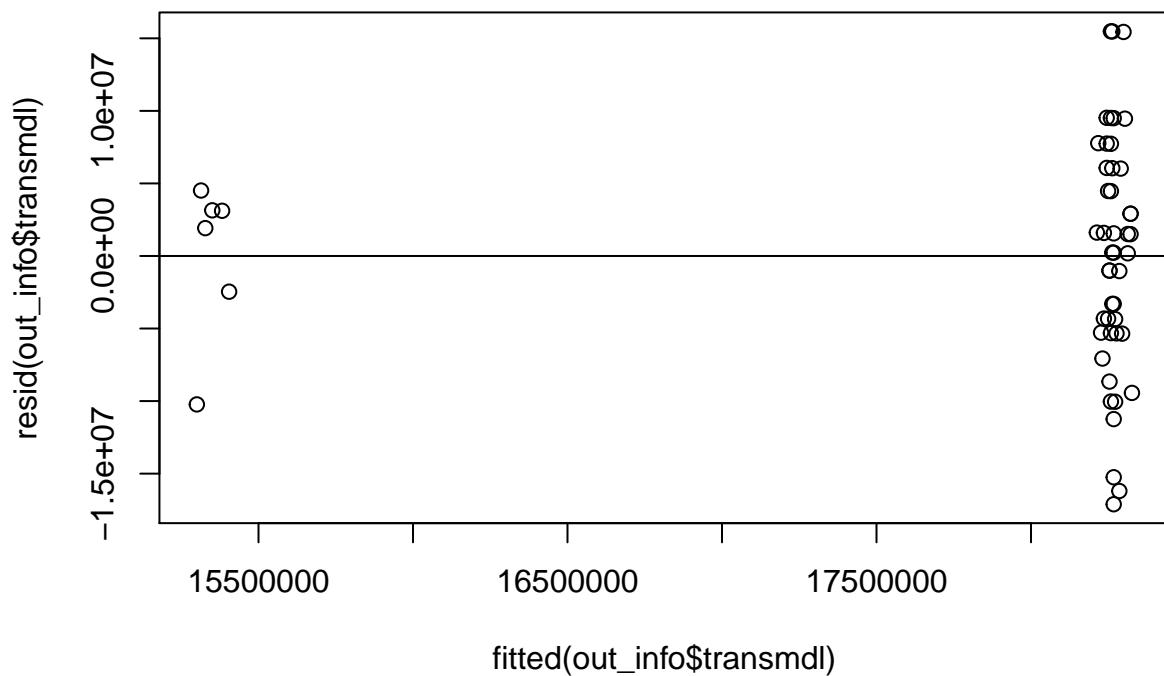
### Normal Q-Q Plot



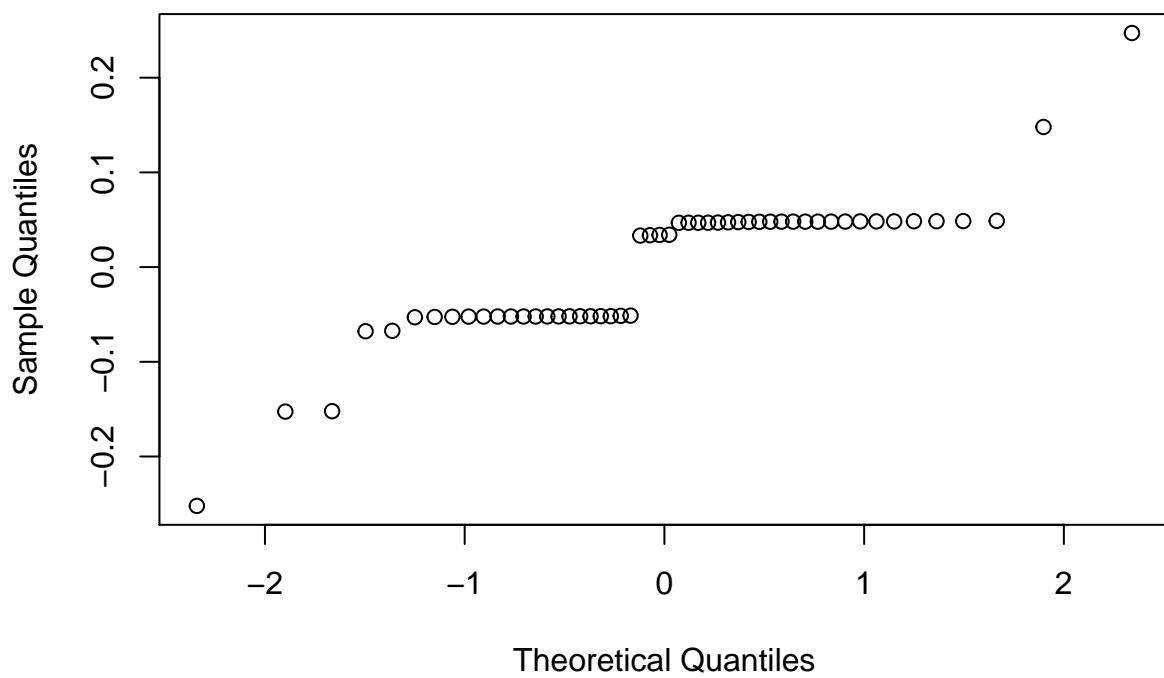
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.num.fireruns  
Plot of PFDEAorigEthnicity**



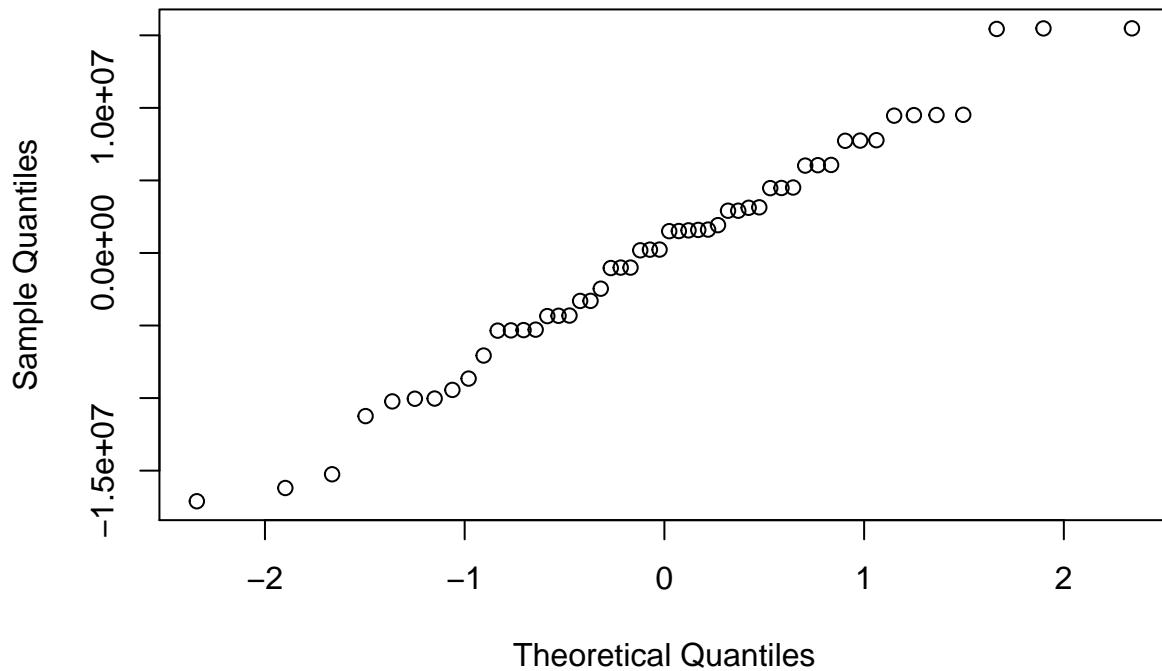
**Plot of fnPFOStrans+  
Plot of fnPFOStransstr.num.fireruns  
Plot of fnPFOStransEthnicity**



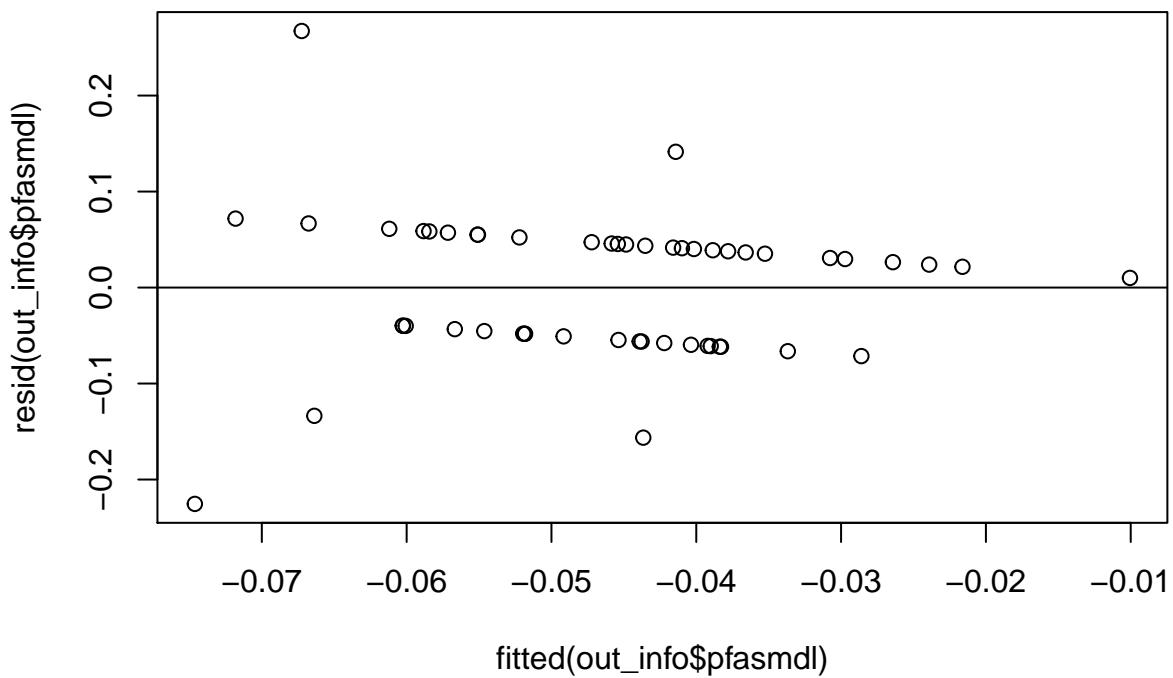
**Normal Q-Q Plot**



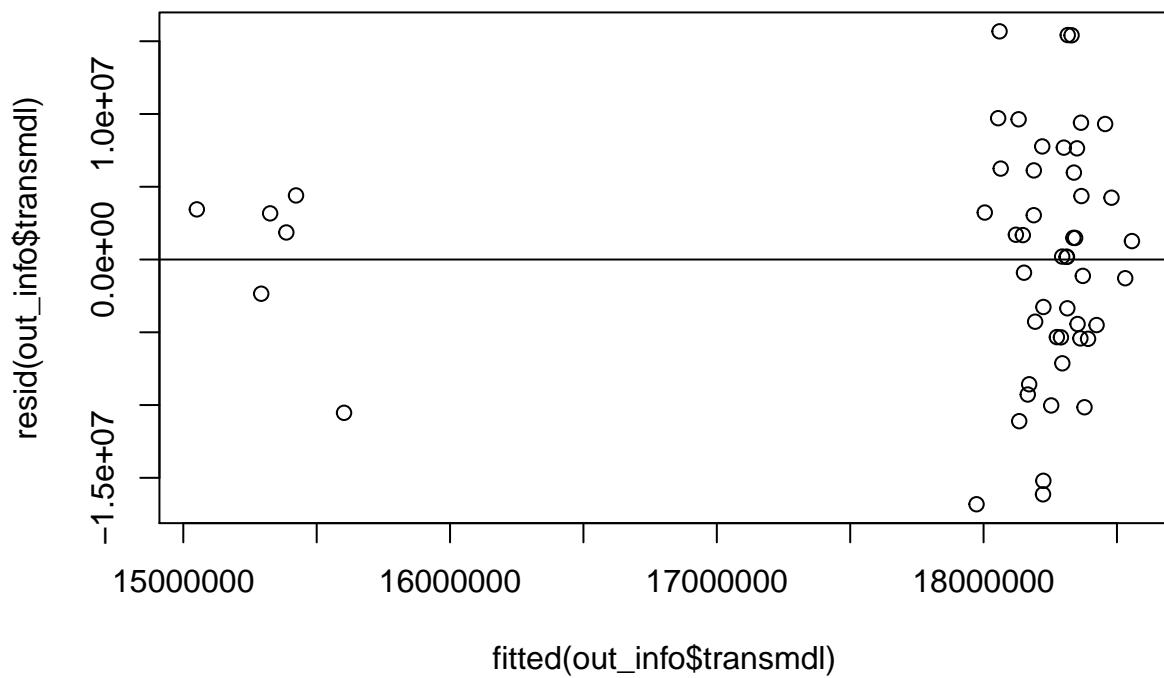
### Normal Q-Q Plot



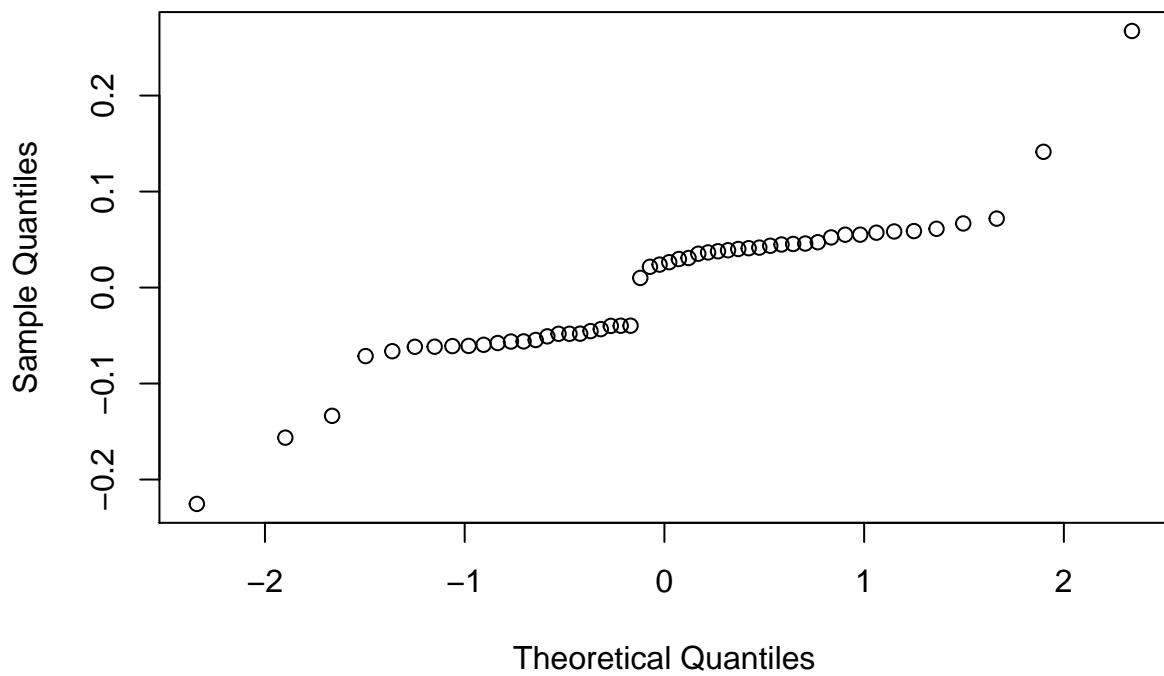
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity**



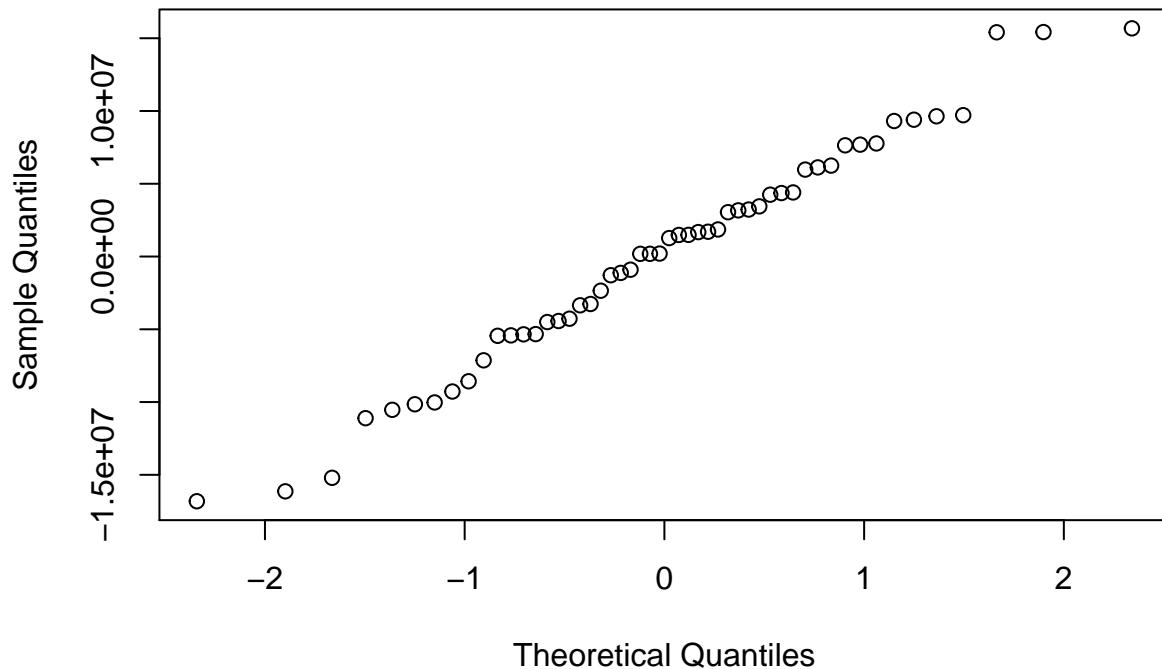
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.duration.hrs  
Plot of fnPFOStransEthnicity**



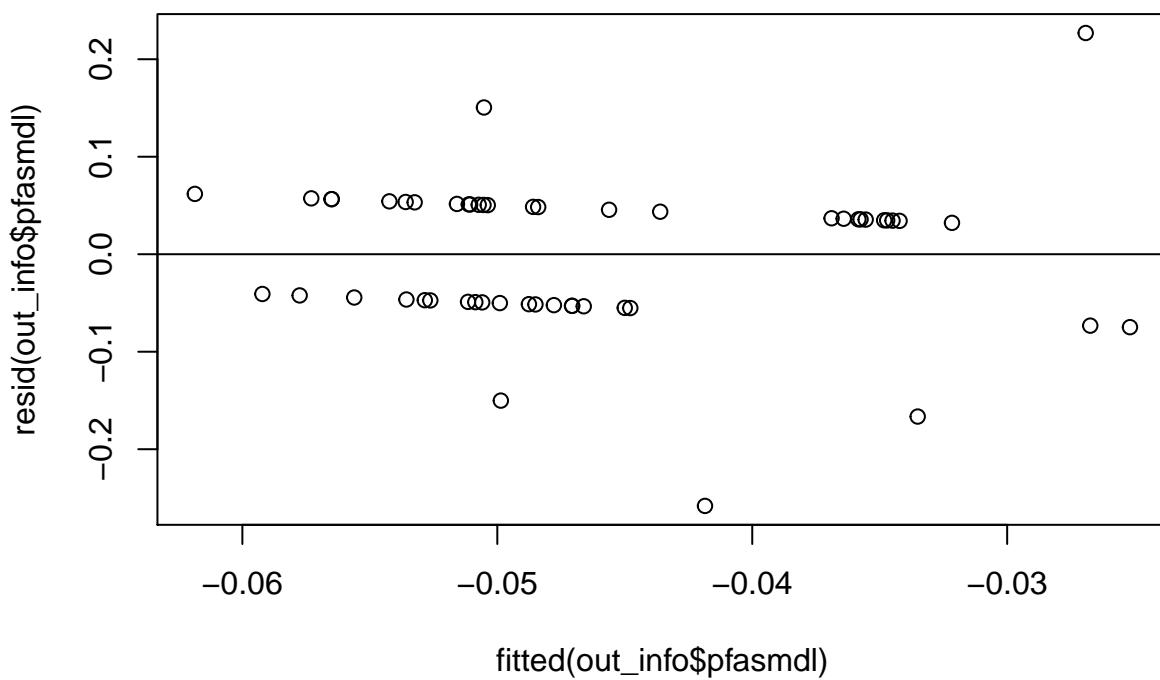
**Normal Q-Q Plot**



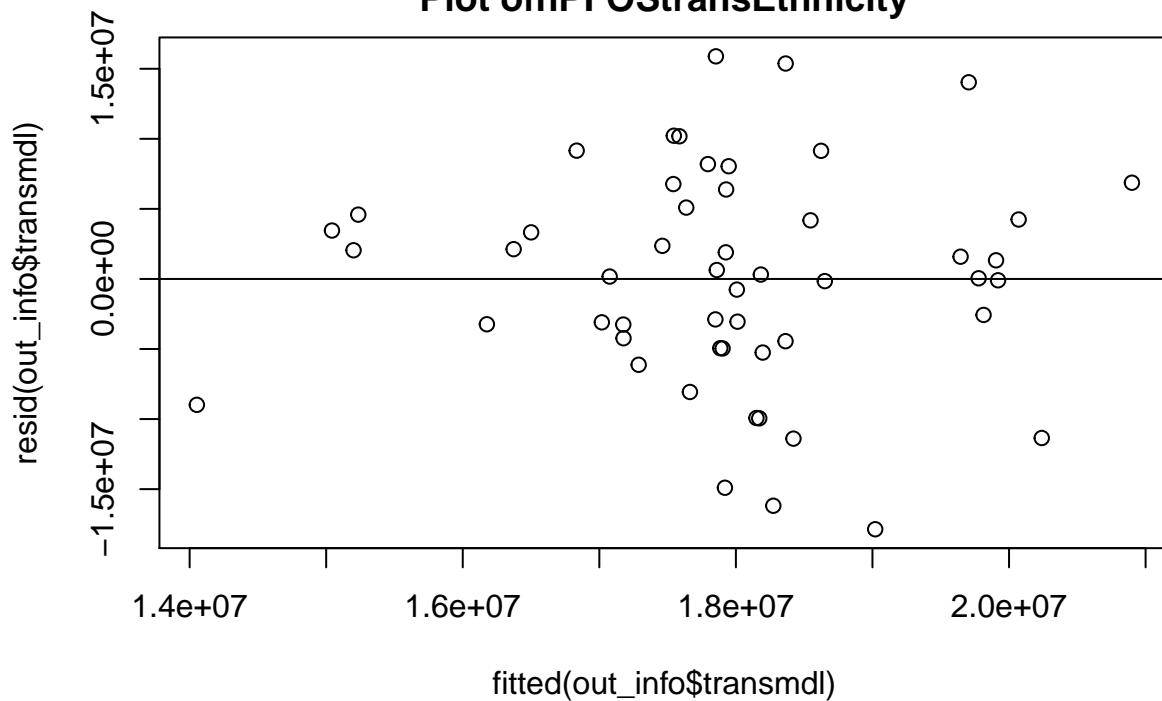
### Normal Q-Q Plot



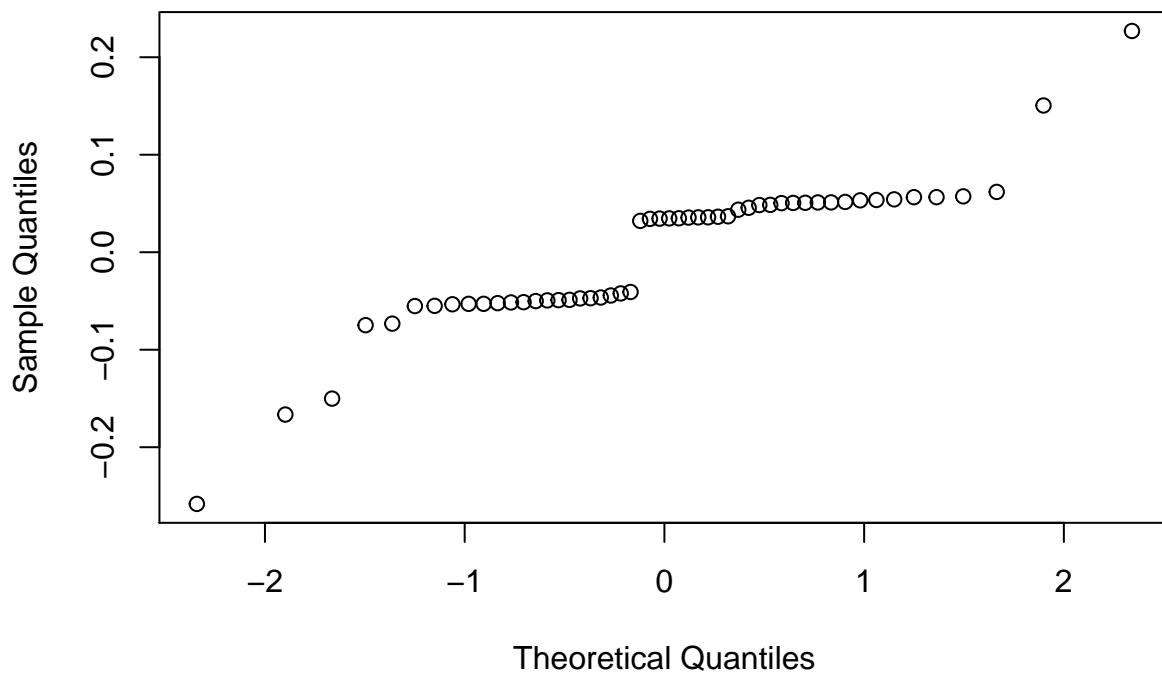
Plot of PFDEAorig+  
Plot of PFDEAorigstr.duration.hrs  
Plot of PFDEAorigEthnicity

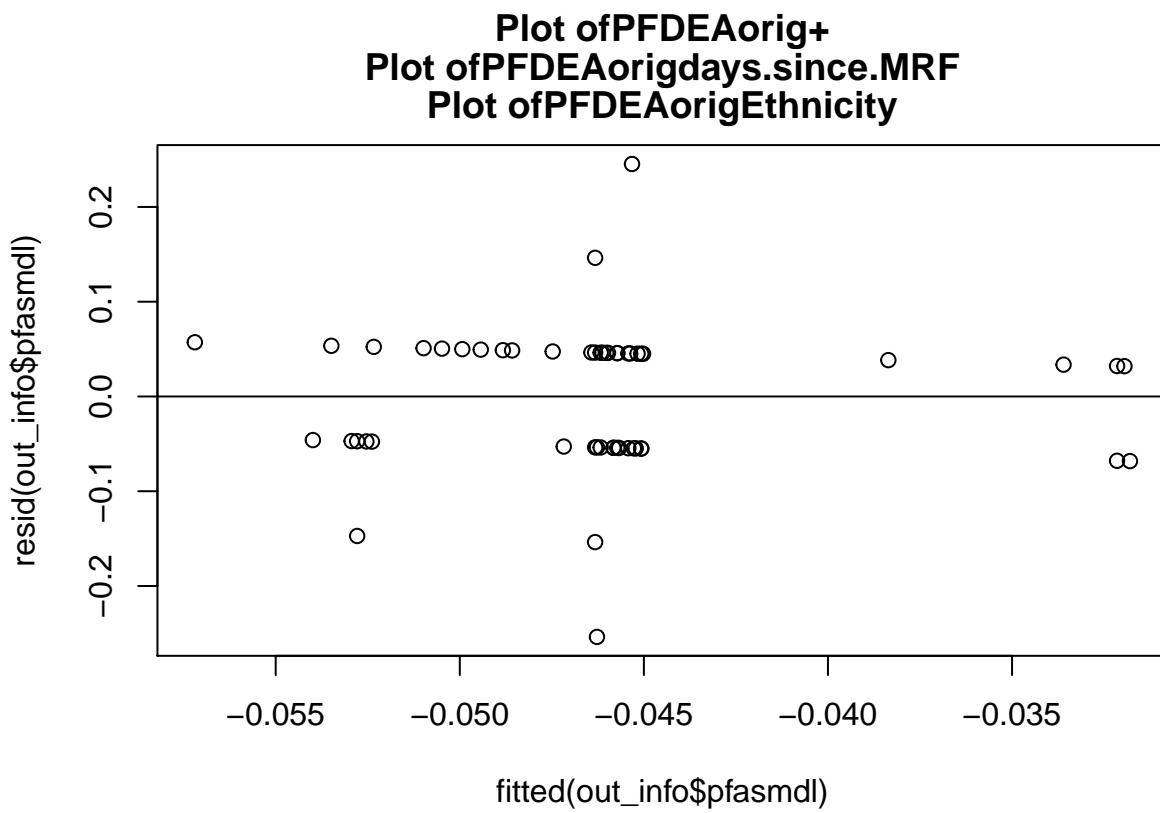
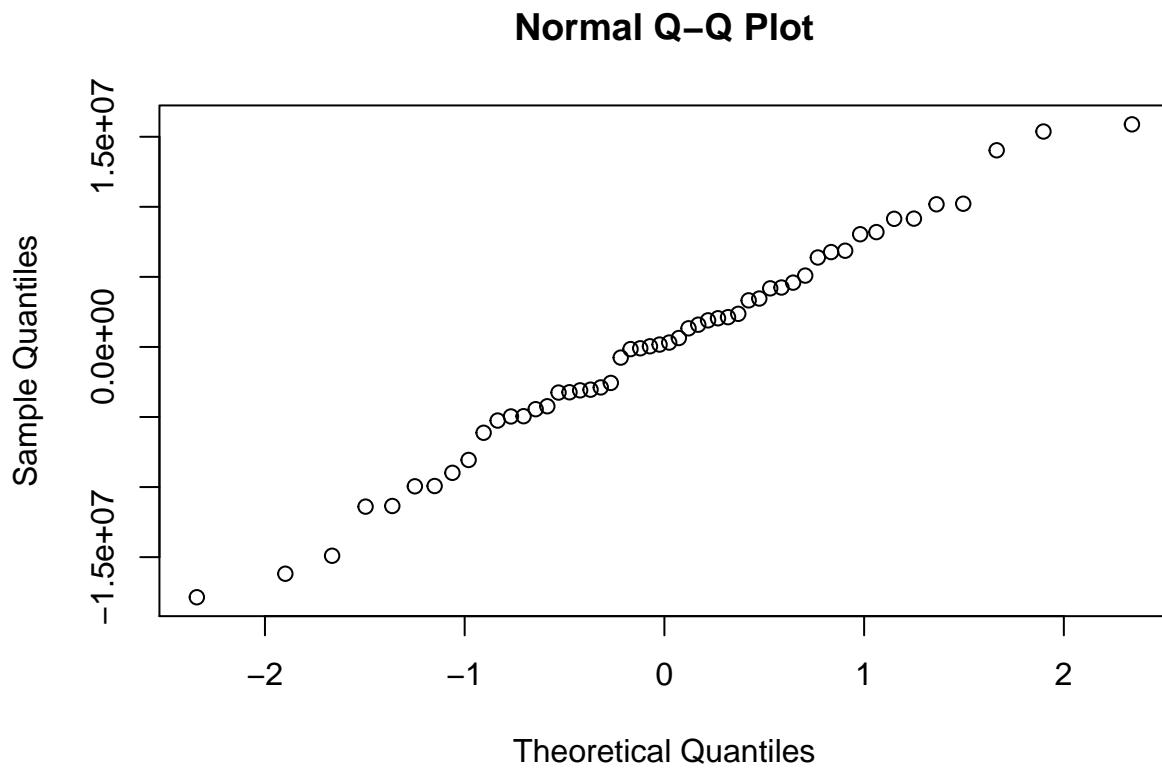


**Plot of nPFOStrans+  
Plot of nPFOStransstr.duration.hrs  
Plot of nPFOStransEthnicity**

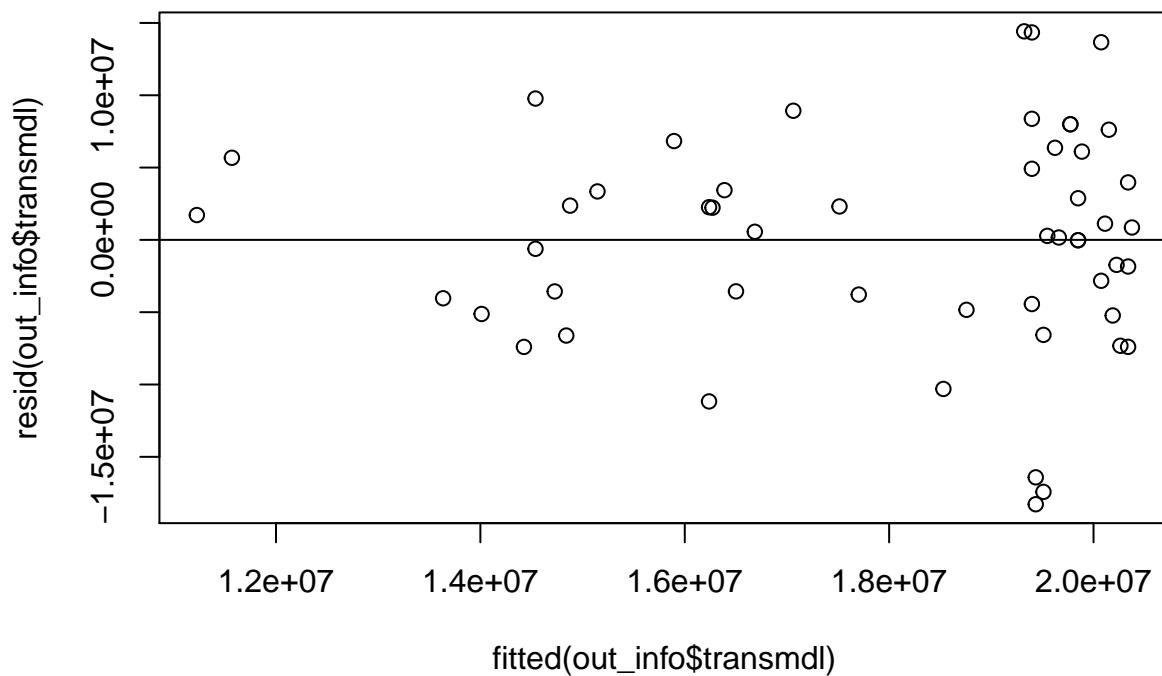


**Normal Q-Q Plot**

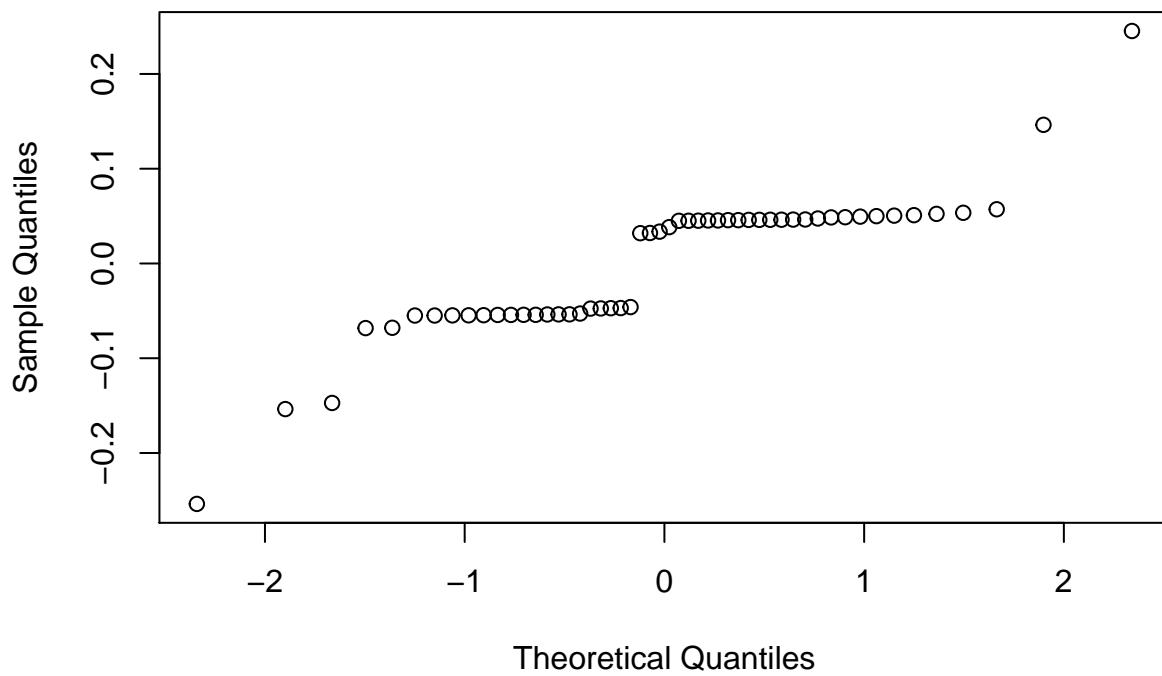




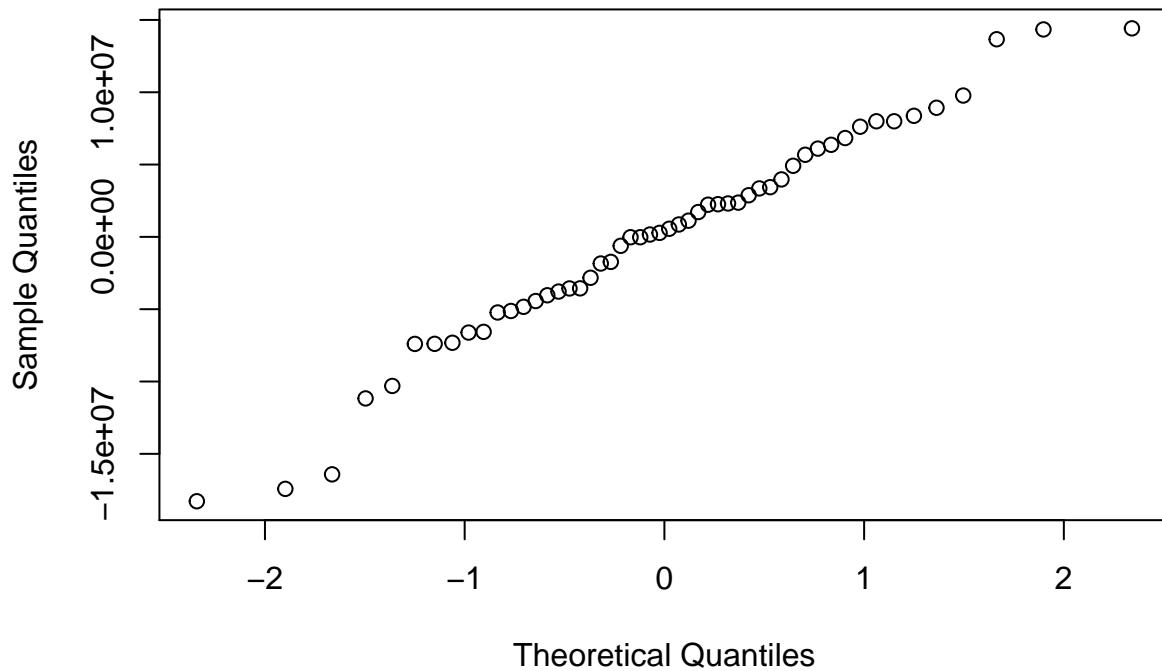
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.MRF  
Plot of fnPFOStransEthnicity**



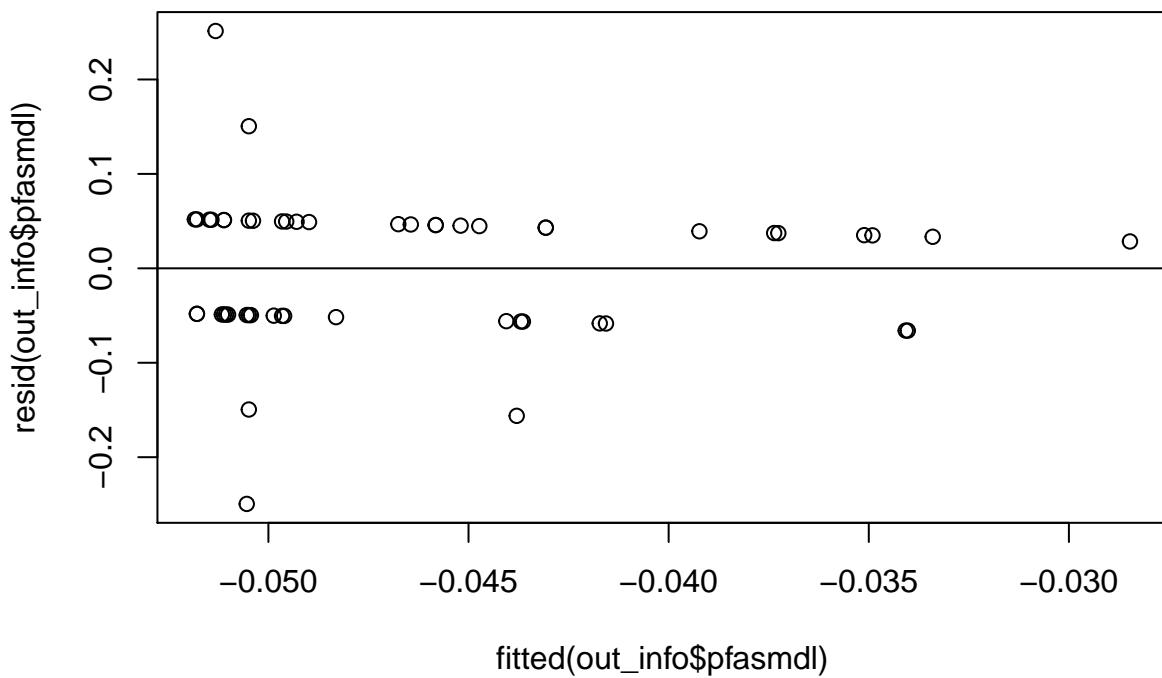
**Normal Q-Q Plot**



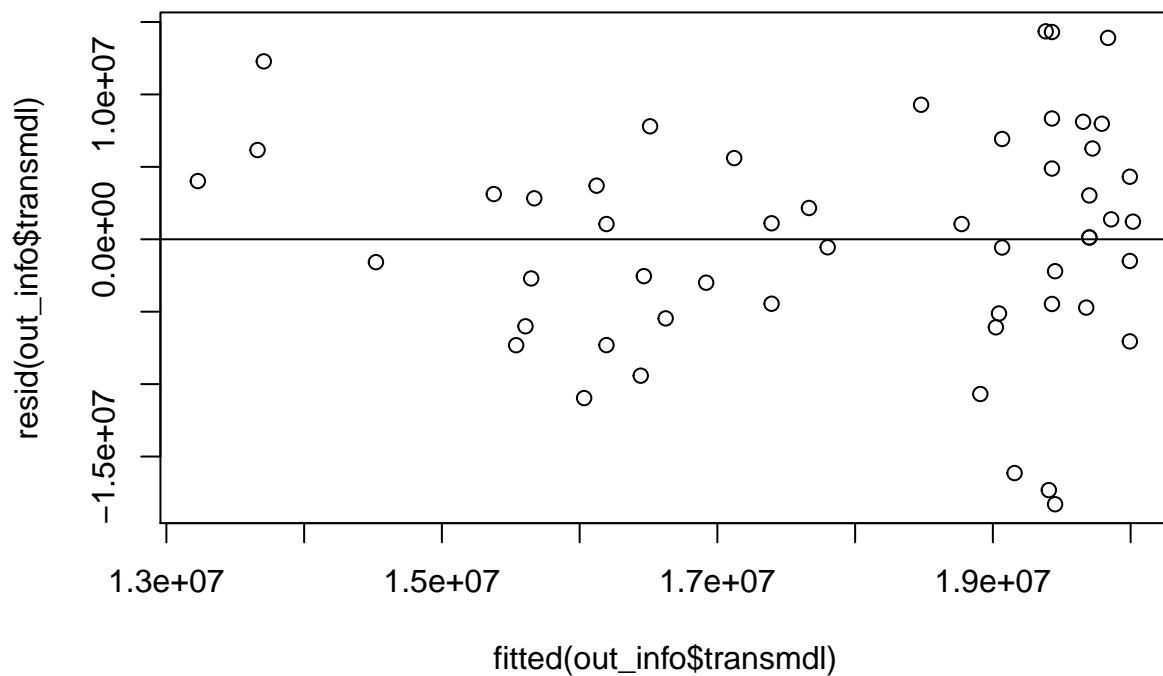
### Normal Q-Q Plot



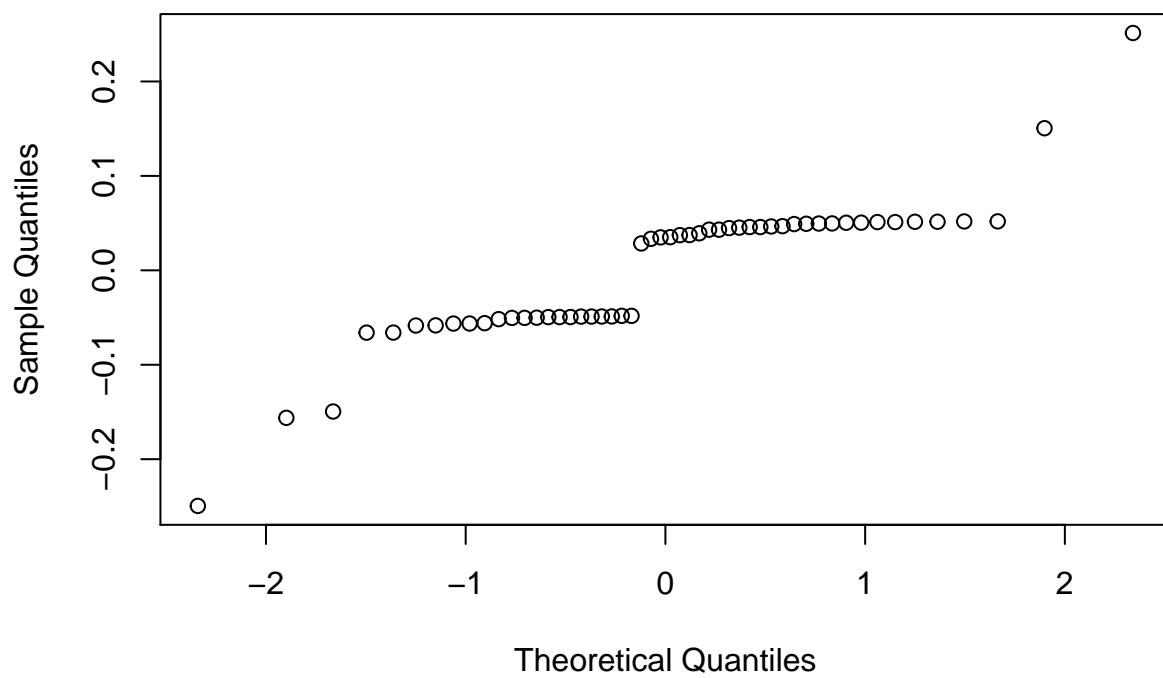
**Plot of PFDEAorig+**  
**Plot of PFDEAorigdays.since.struc.MRF**  
**Plot of PFDEAorigEthnicity**



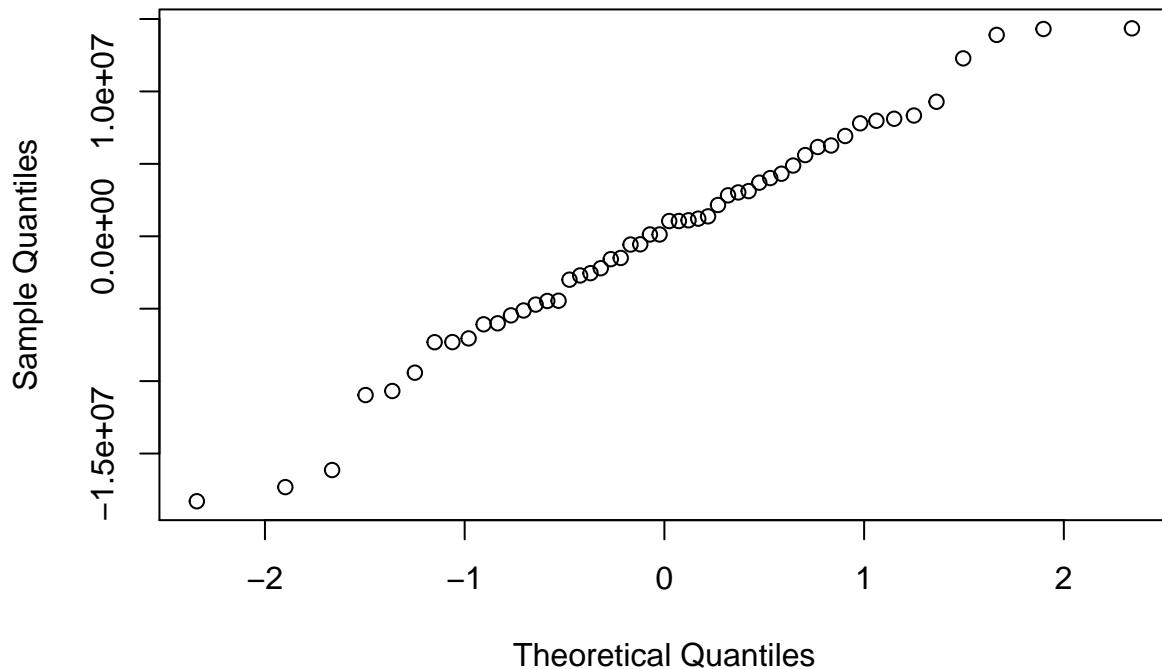
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.struc.MRF  
Plot of fnPFOStransEthnicity**



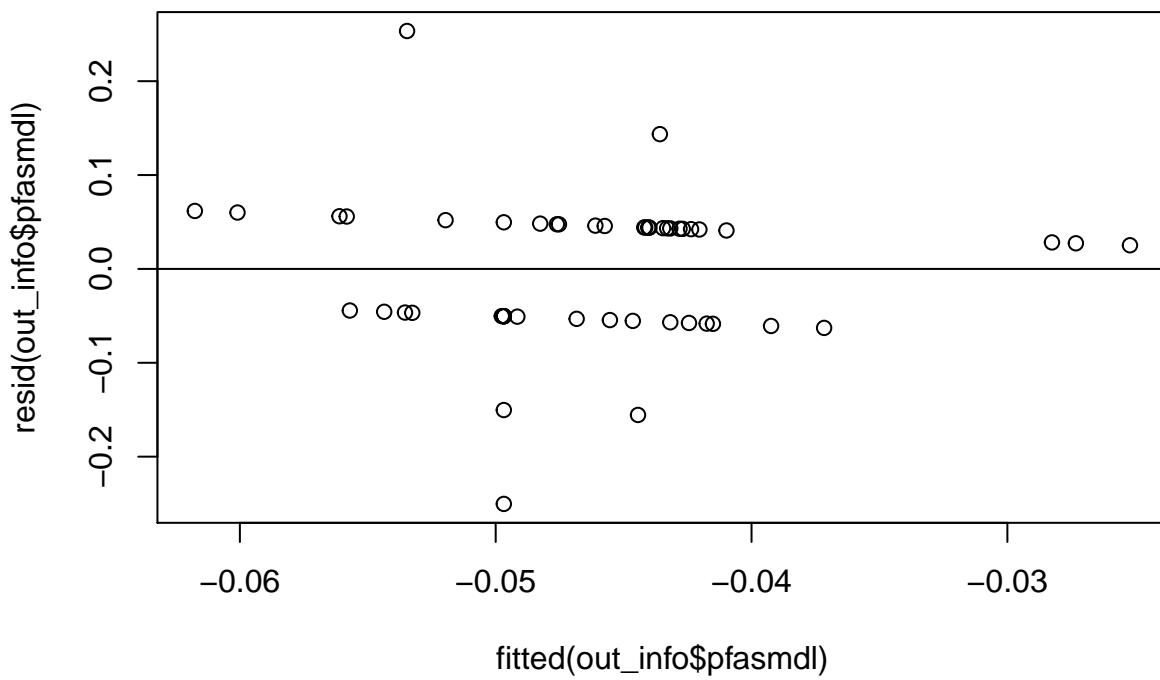
**Normal Q-Q Plot**



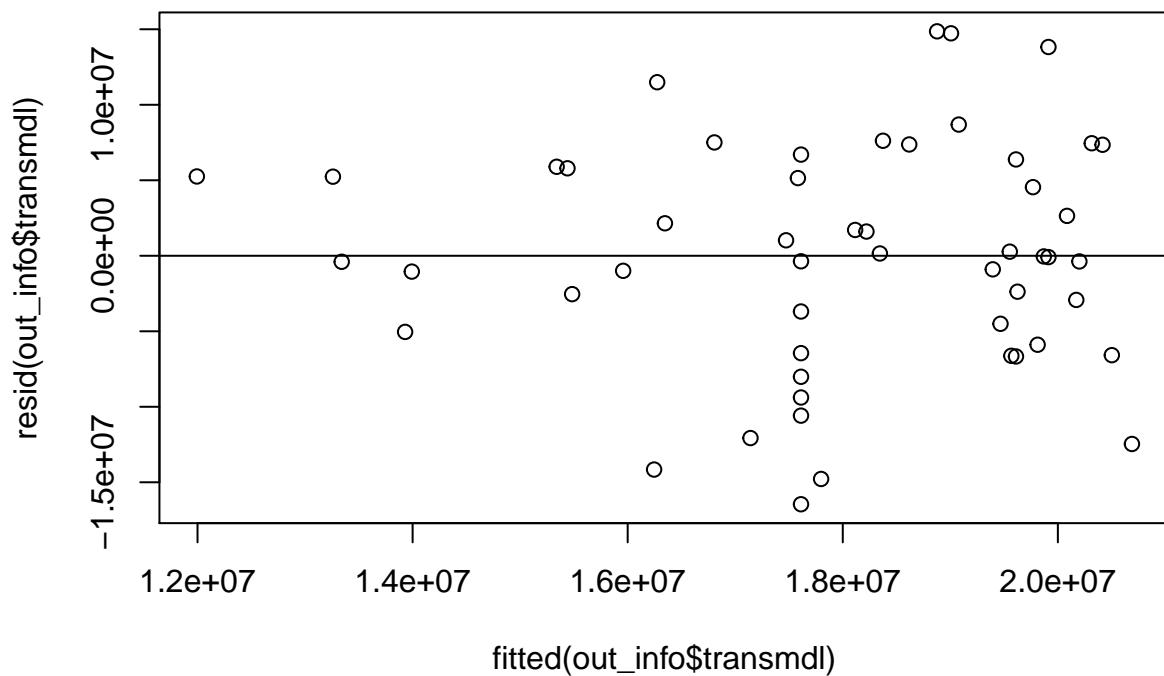
### Normal Q-Q Plot



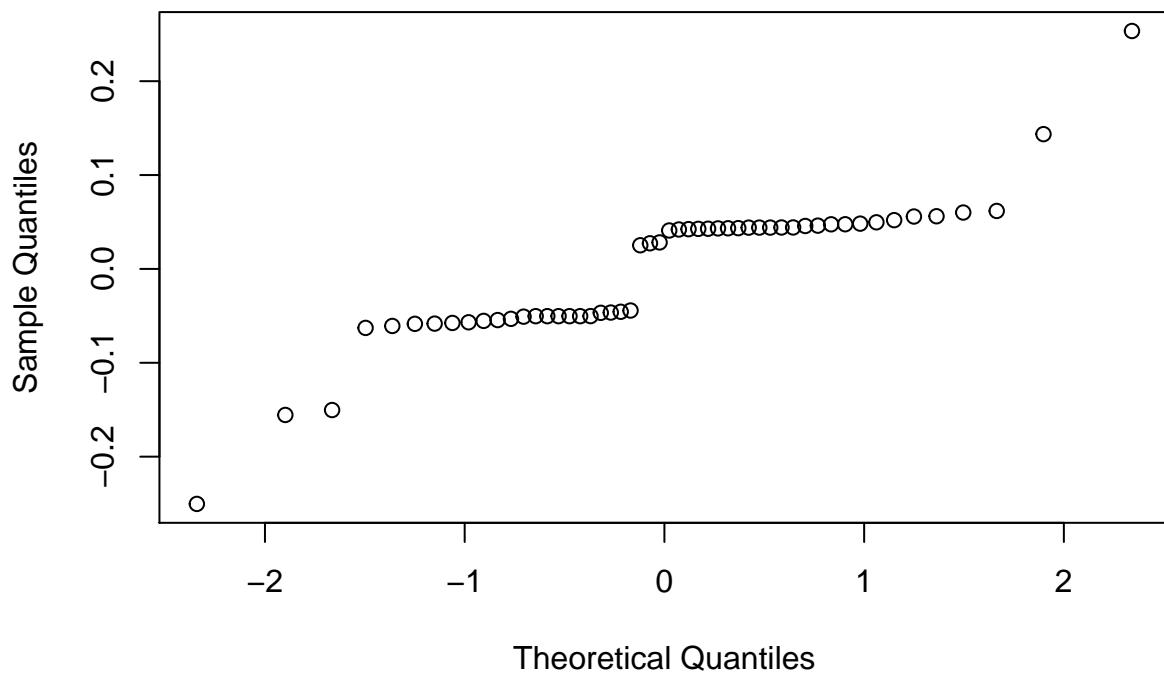
**Plot of PFDEAorig+**  
**Plot of PFDEAorigtime.since.baseline**  
**Plot of PFDEAorigEthnicity**



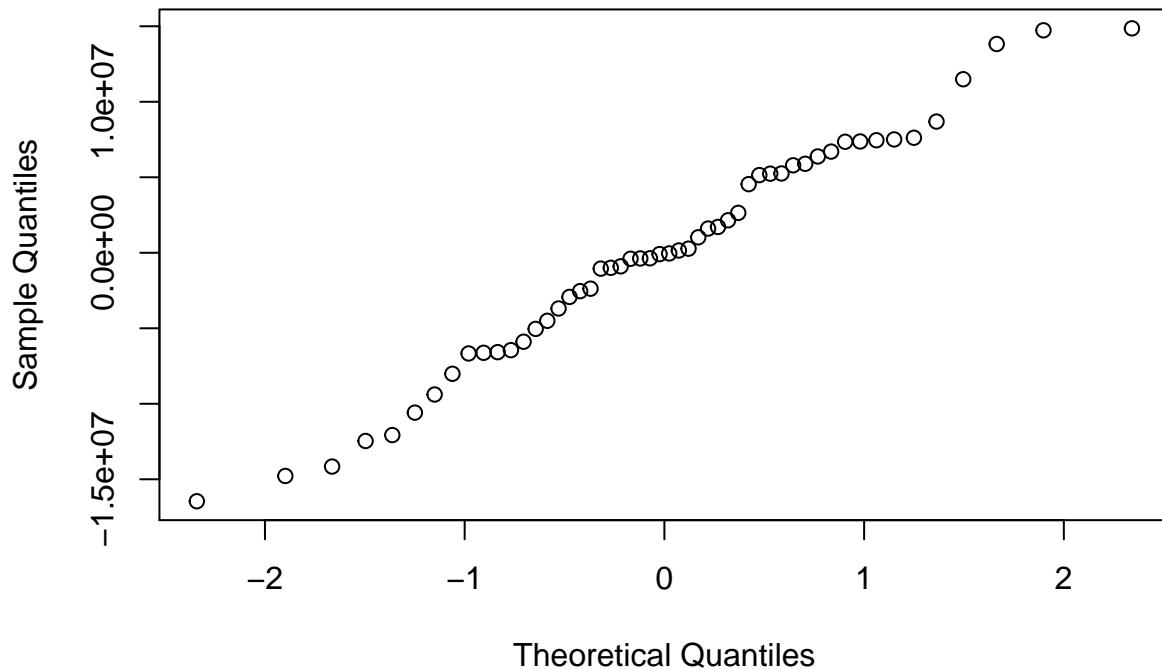
**Plot of fnPFOStrans+  
Plot of fnPFOStranstime.since.baseline  
Plot of fnPFOStransEthnicity**



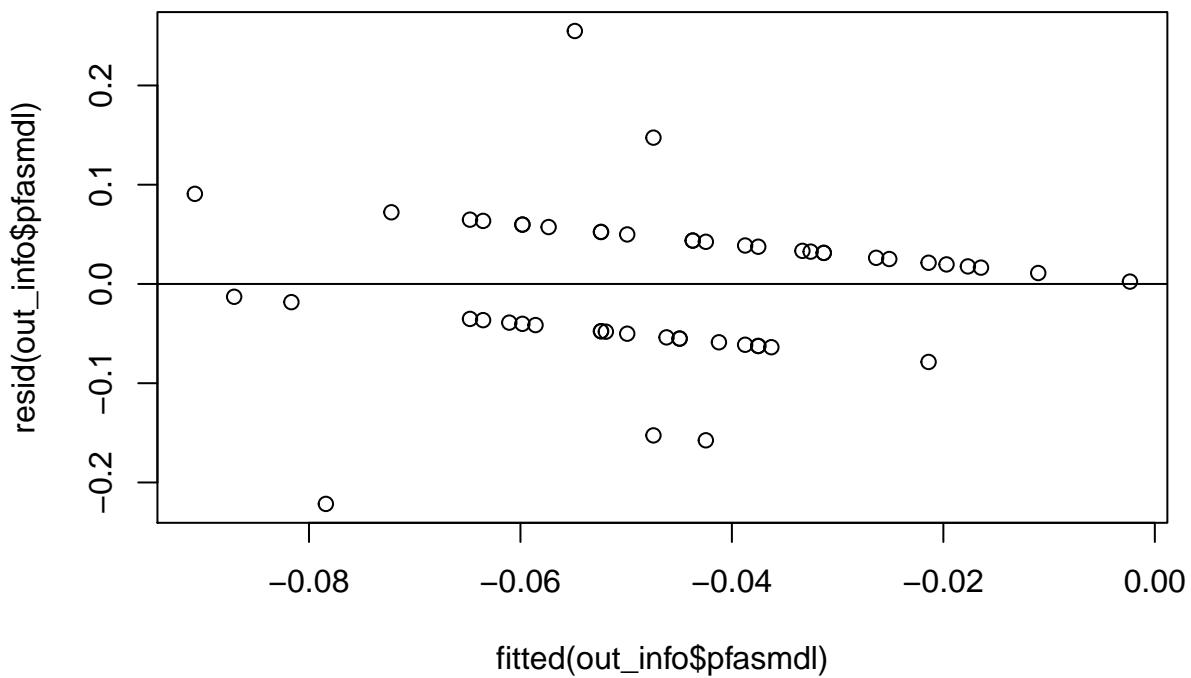
**Normal Q-Q Plot**



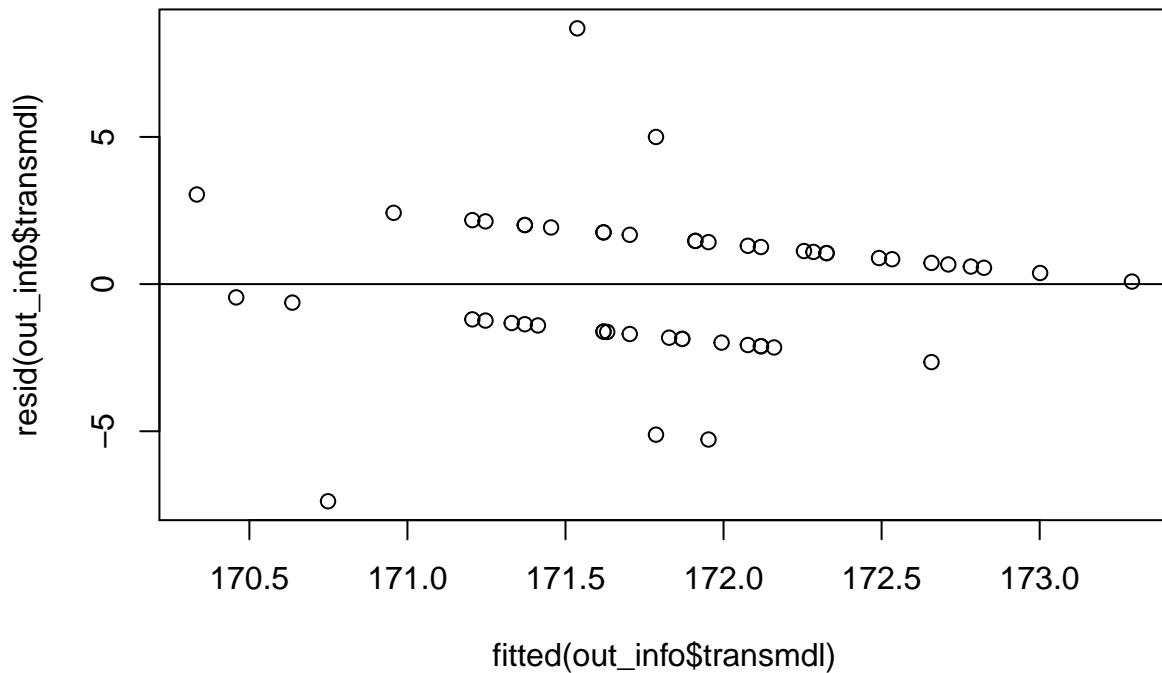
### Normal Q-Q Plot



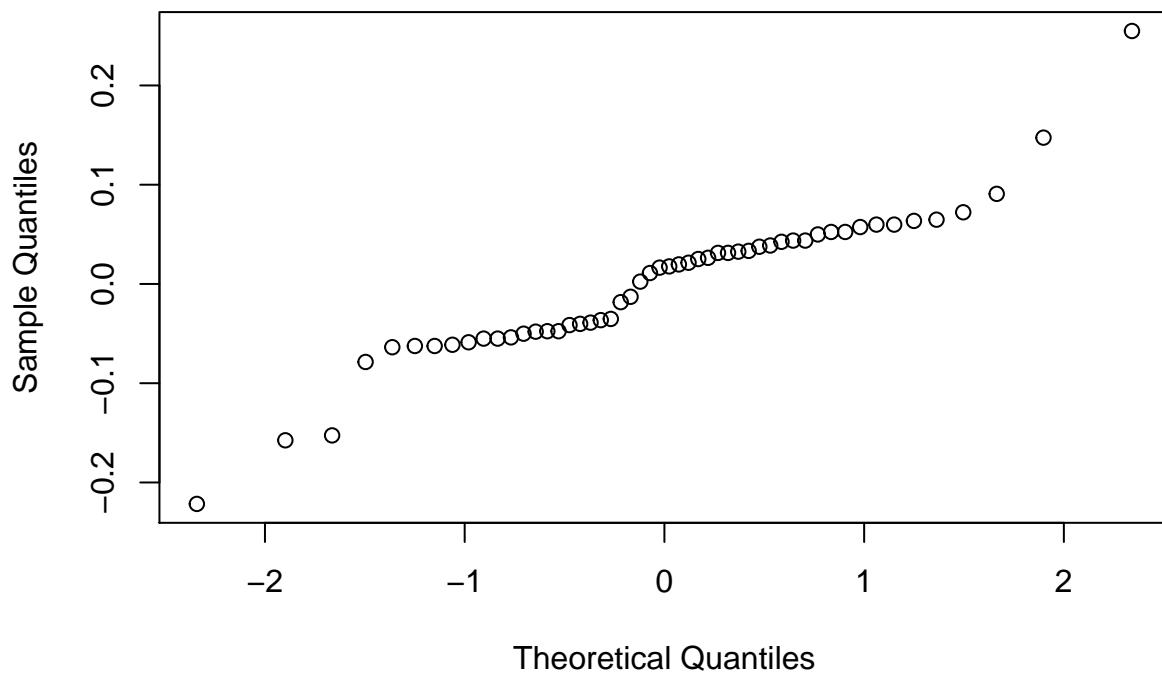
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity**



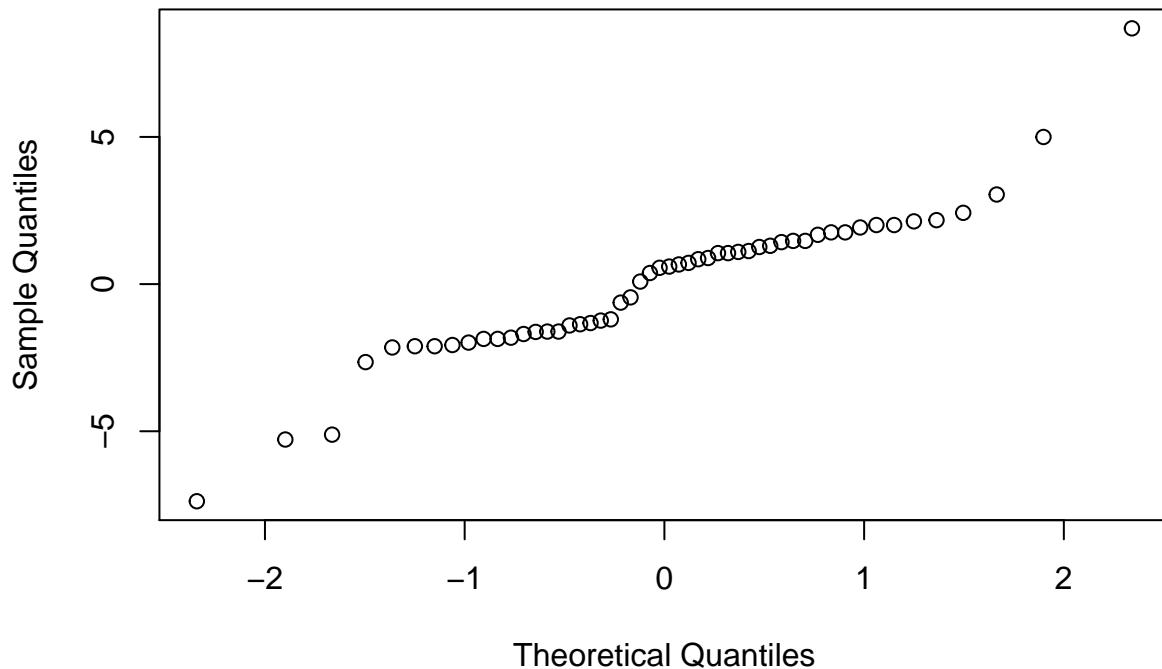
**Plot of PFDEAtrans+  
Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



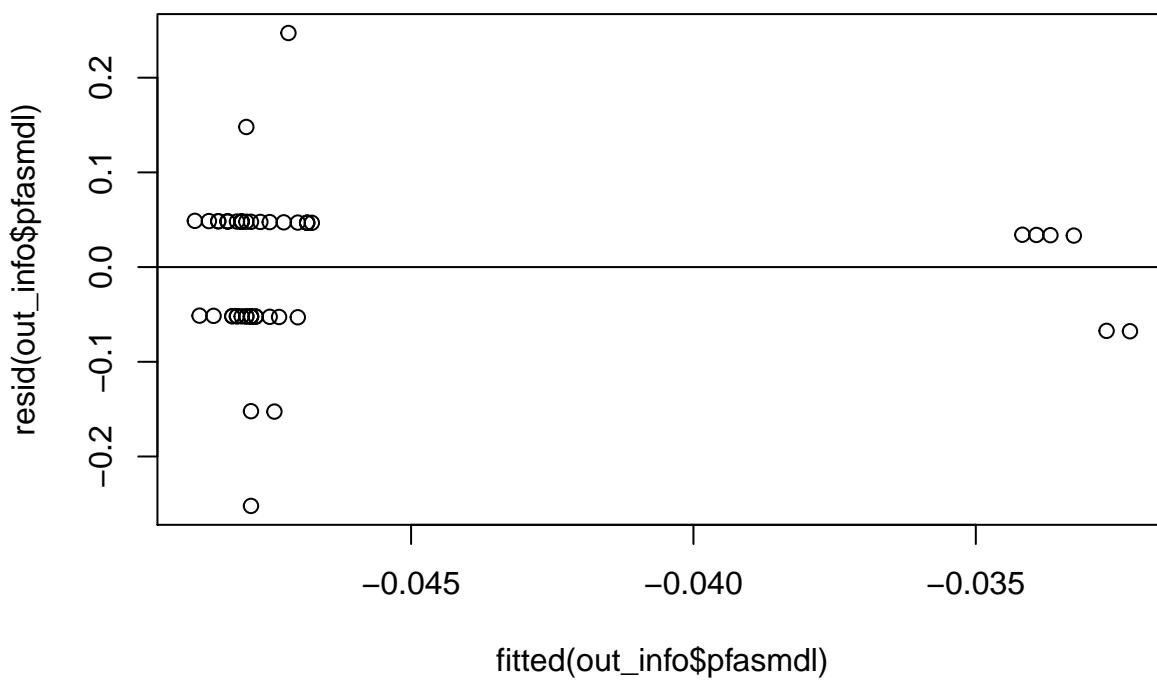
**Normal Q-Q Plot**



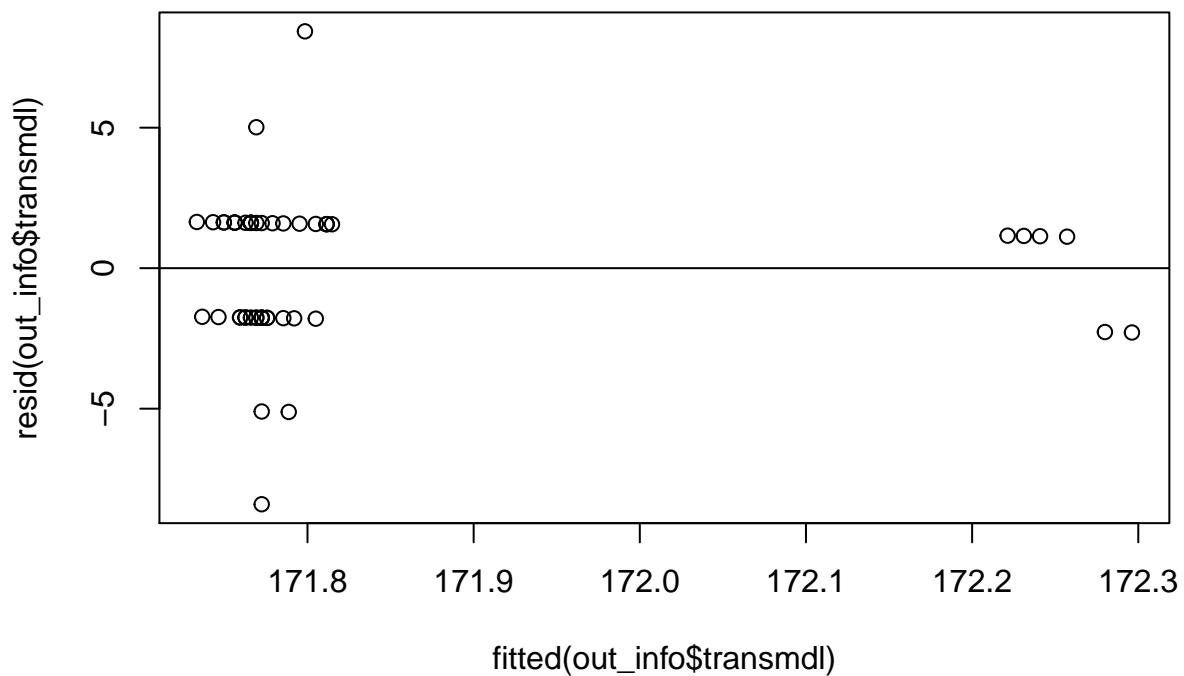
### Normal Q-Q Plot



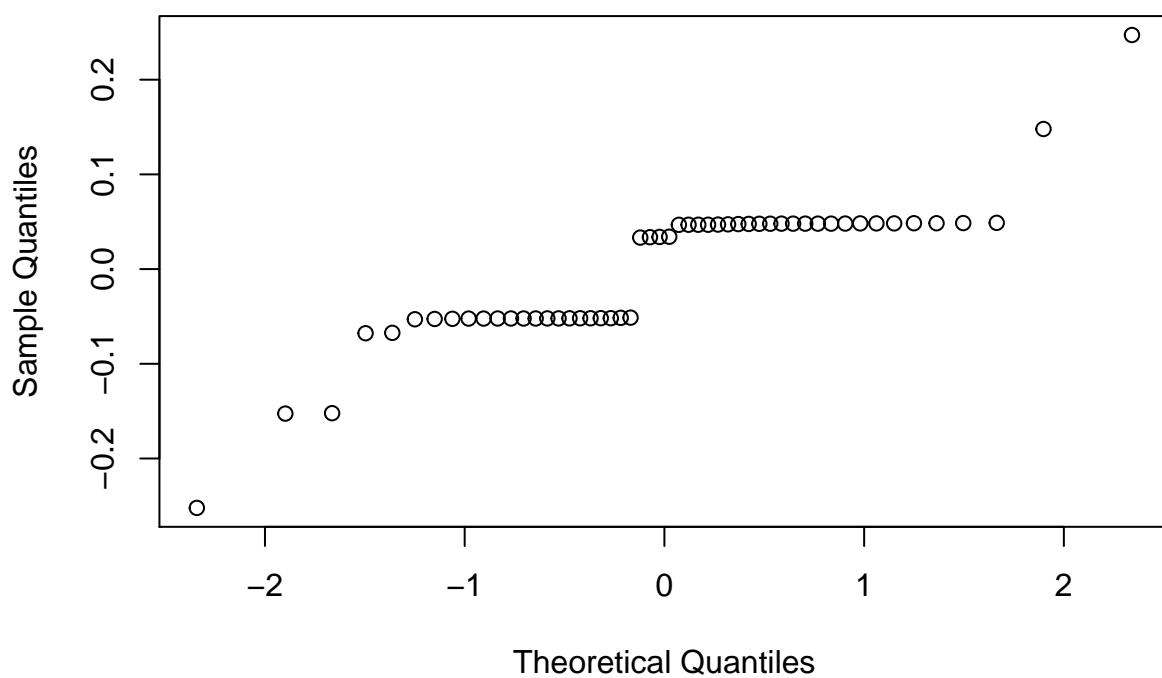
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.num.fireruns  
Plot of PFDEAorigEthnicity**



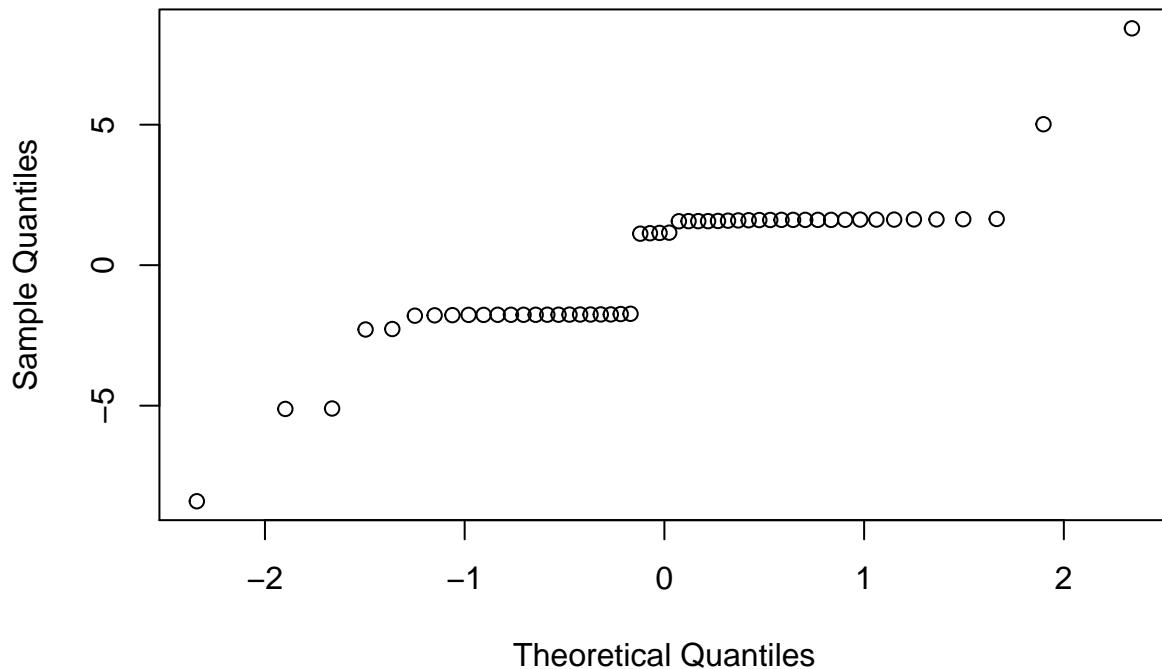
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



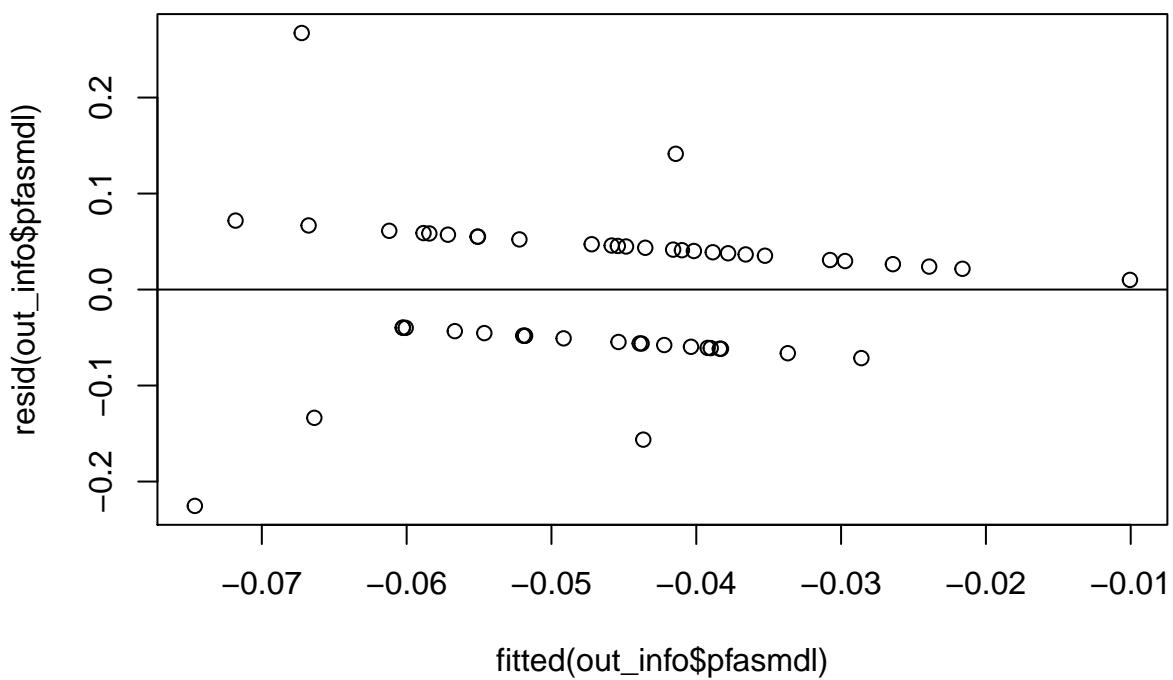
**Normal Q-Q Plot**



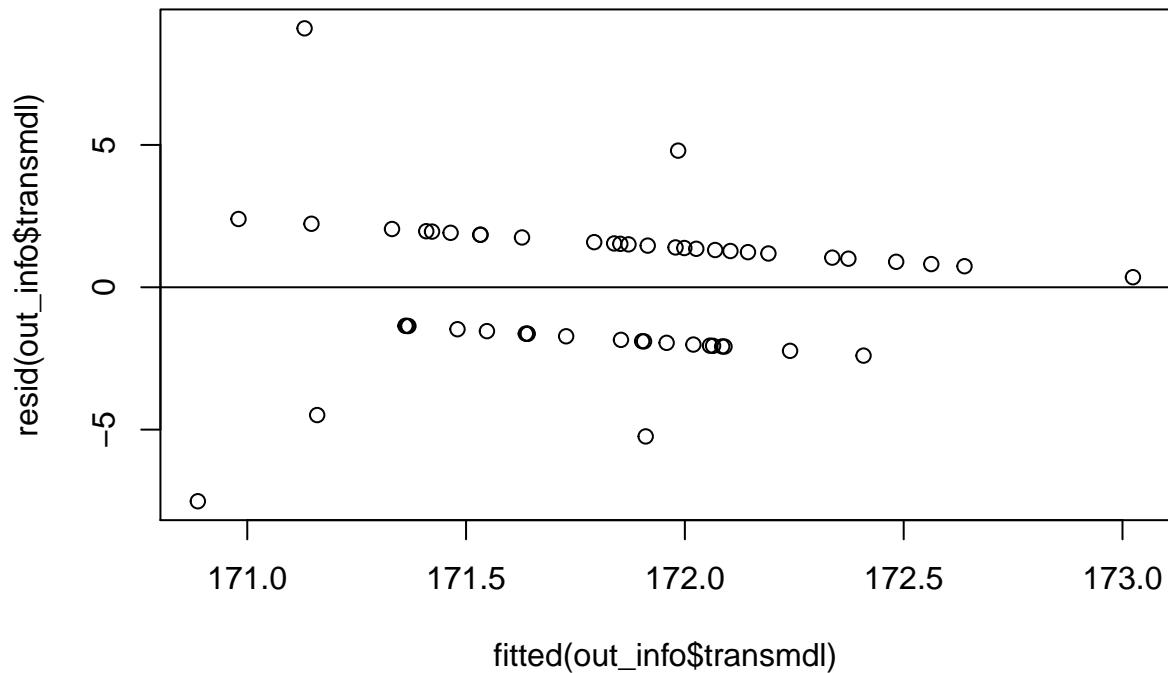
### Normal Q-Q Plot



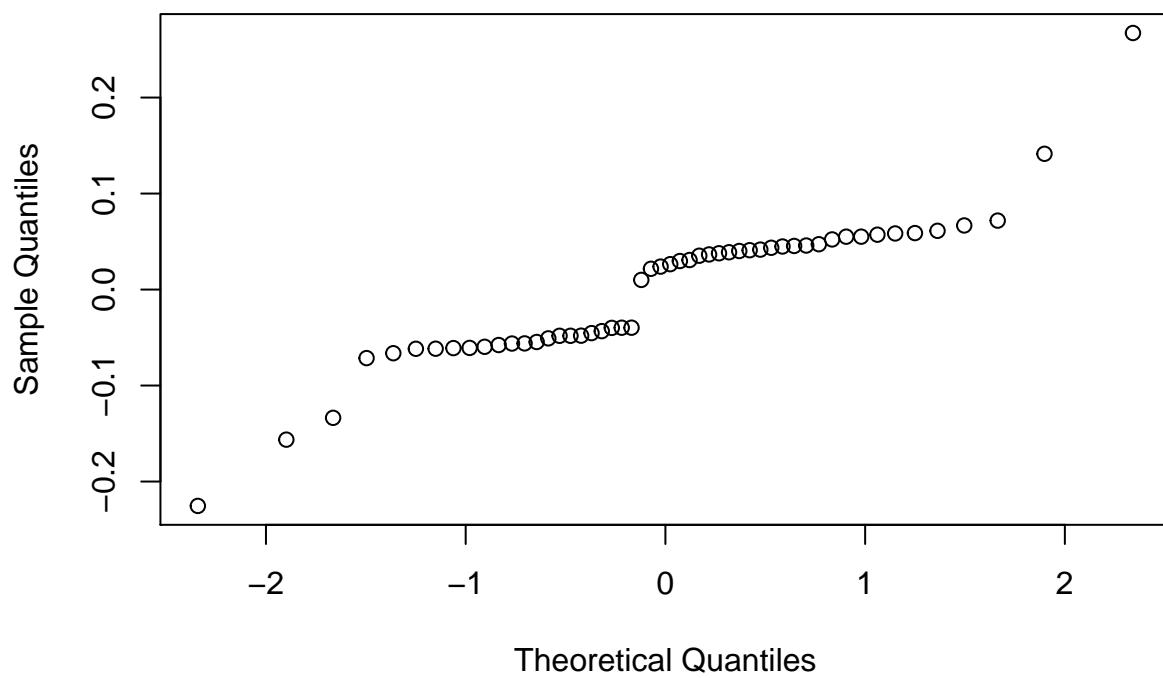
Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity



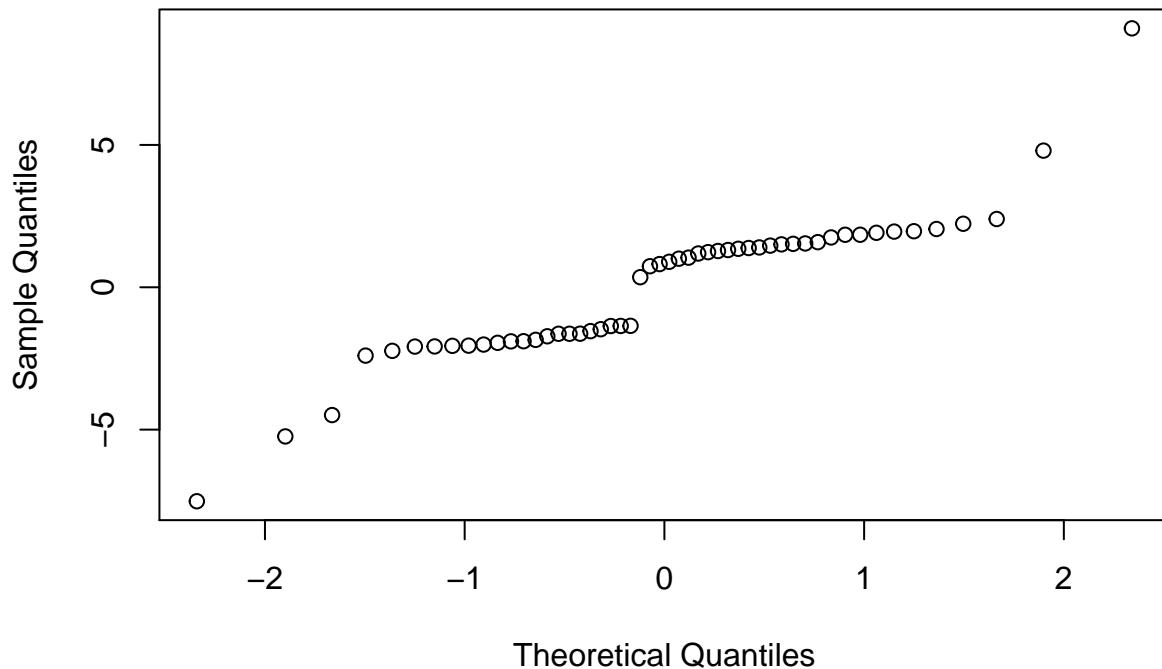
**Plot of PFDEAtrans+  
Plot of PFDEAtran\$total.duration.hrs  
Plot of PFDEAtransEthnicity**



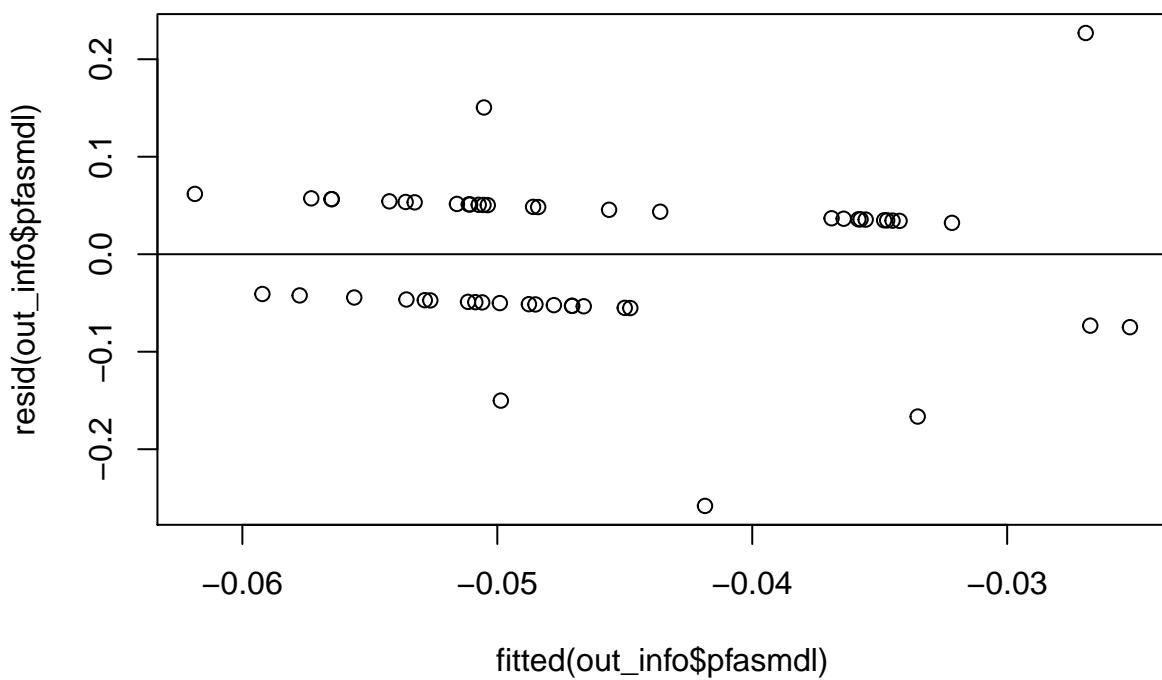
**Normal Q-Q Plot**



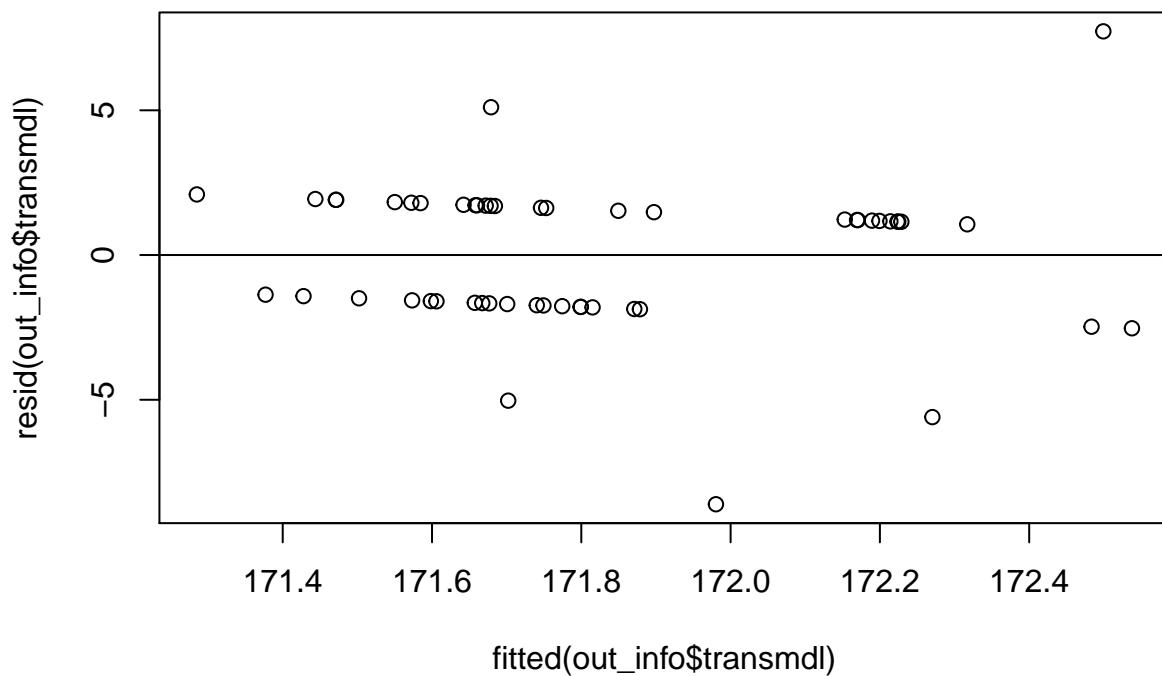
### Normal Q-Q Plot



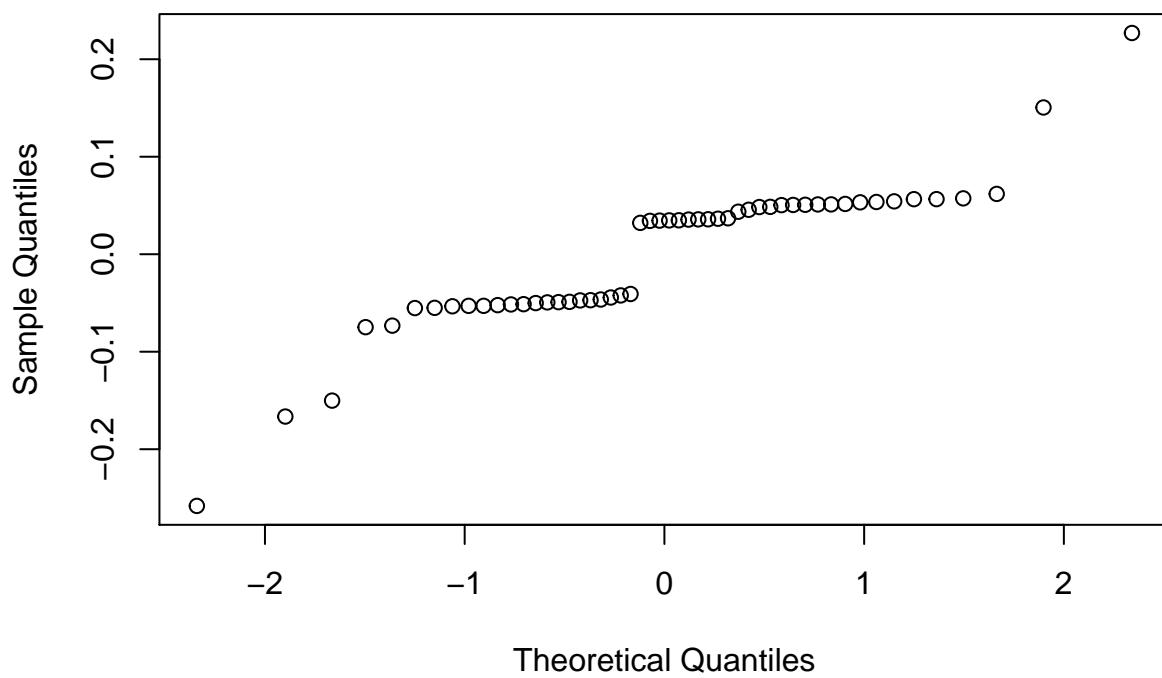
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.duration.hrs  
Plot of PFDEAorigEthnicity**



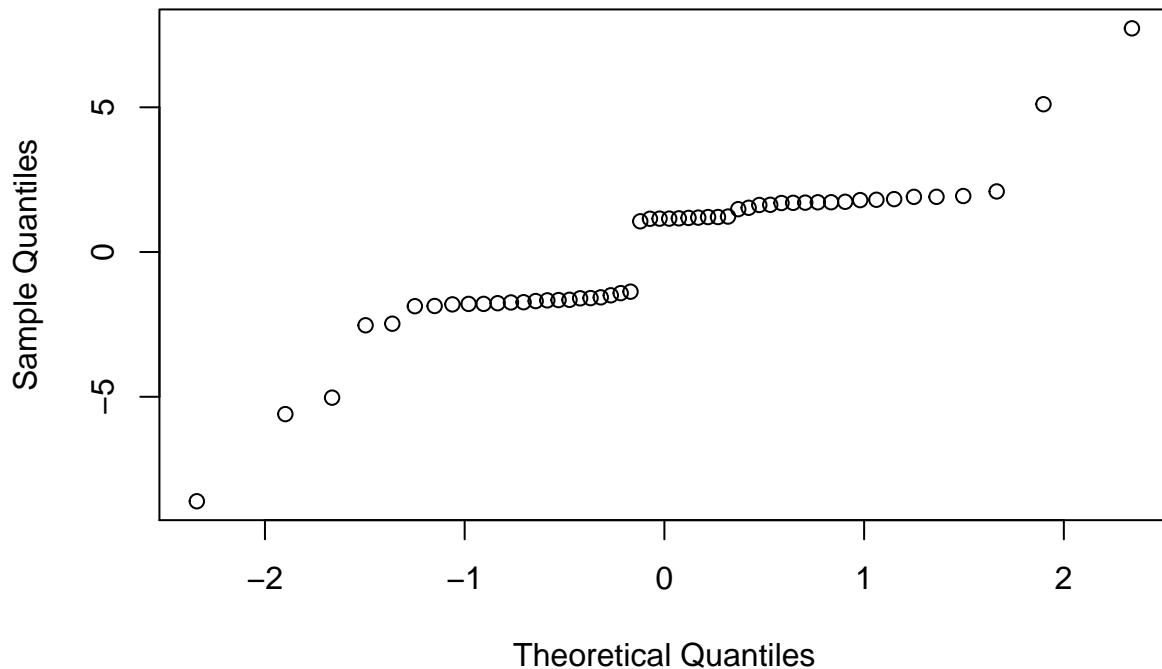
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



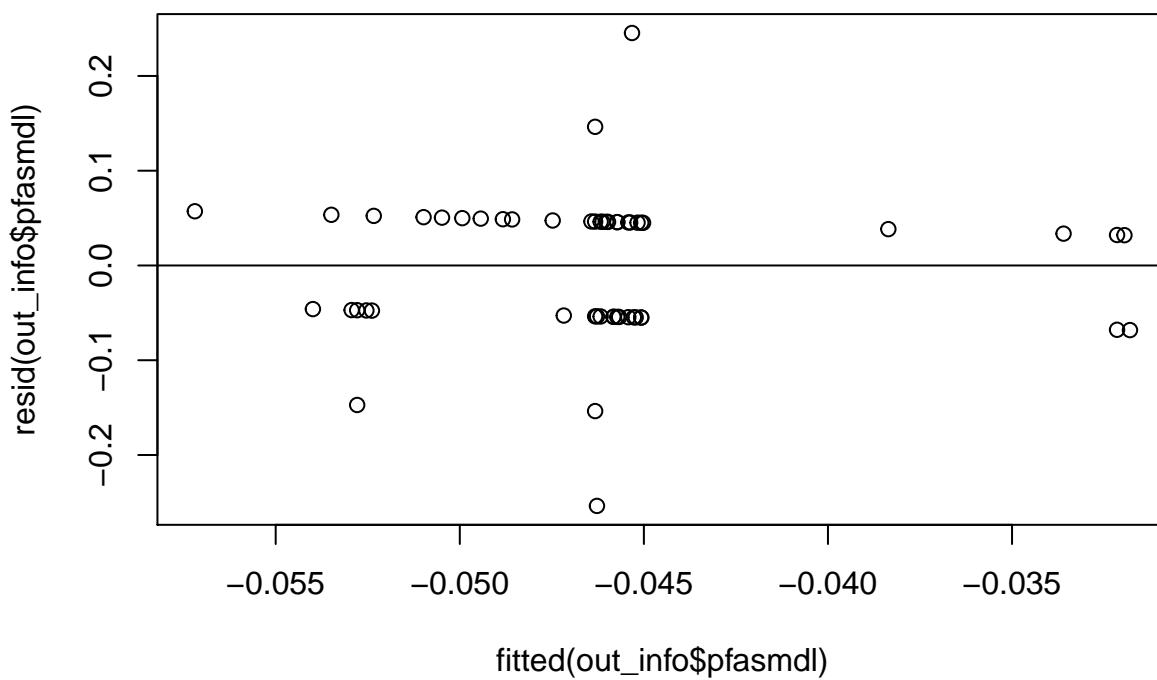
**Normal Q-Q Plot**



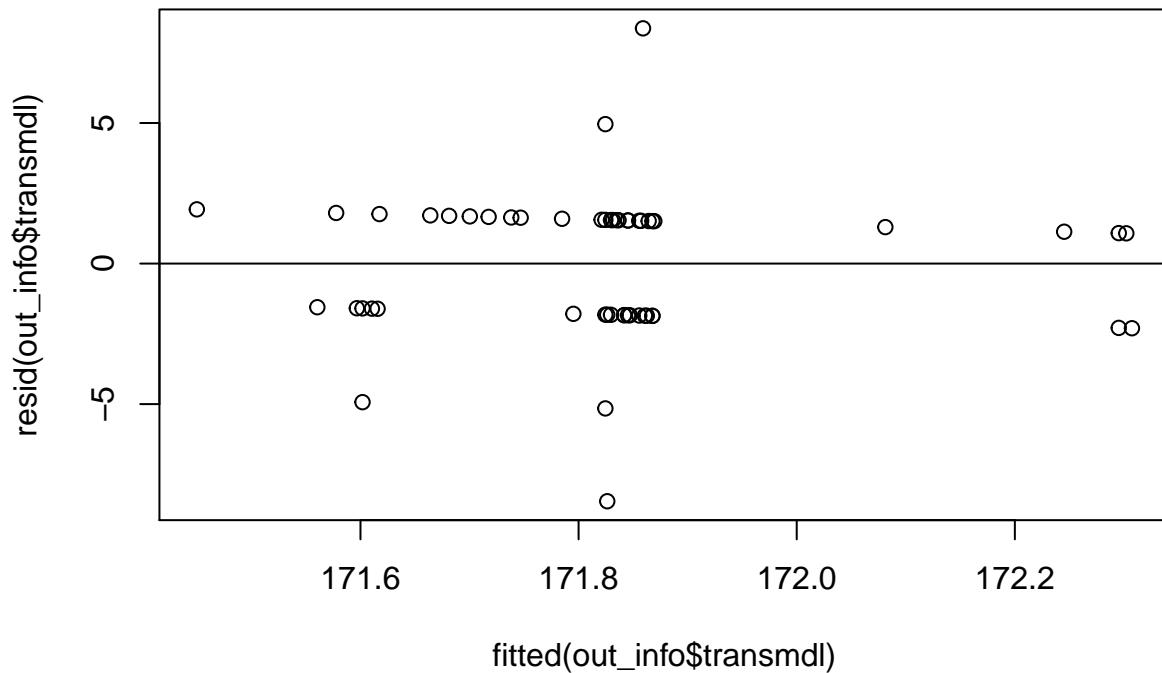
### Normal Q-Q Plot



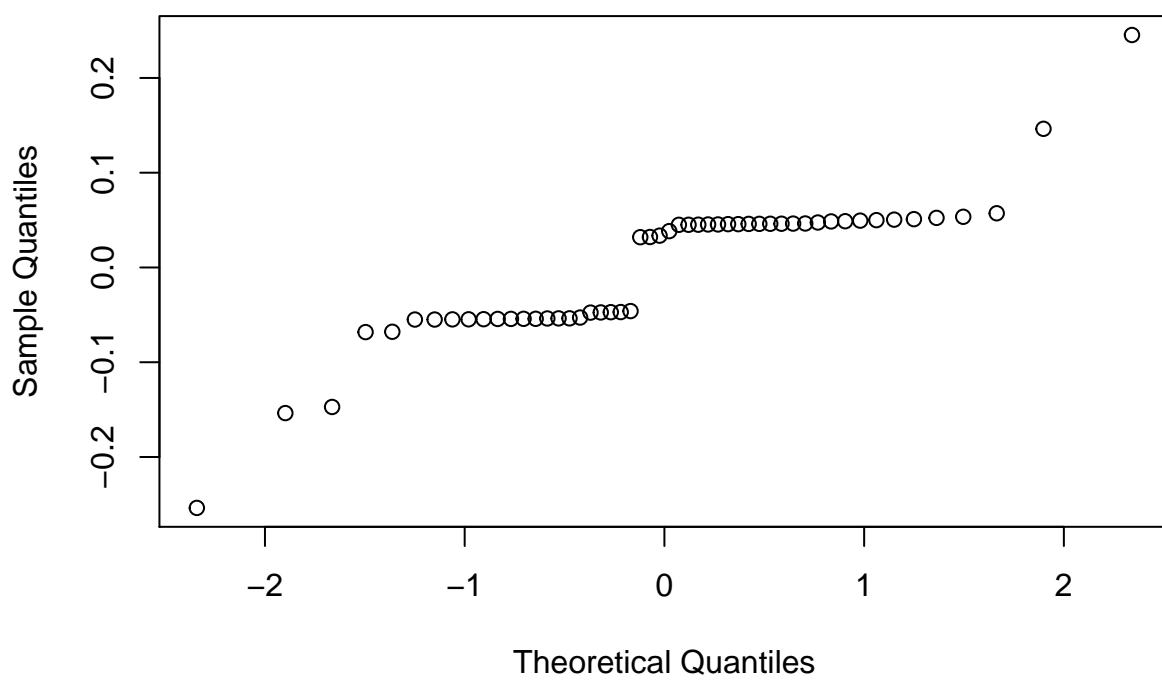
**Plot of PFDEAorig+  
Plot of PFDEAorigdays.since.MRF  
Plot of PFDEAorigEthnicity**



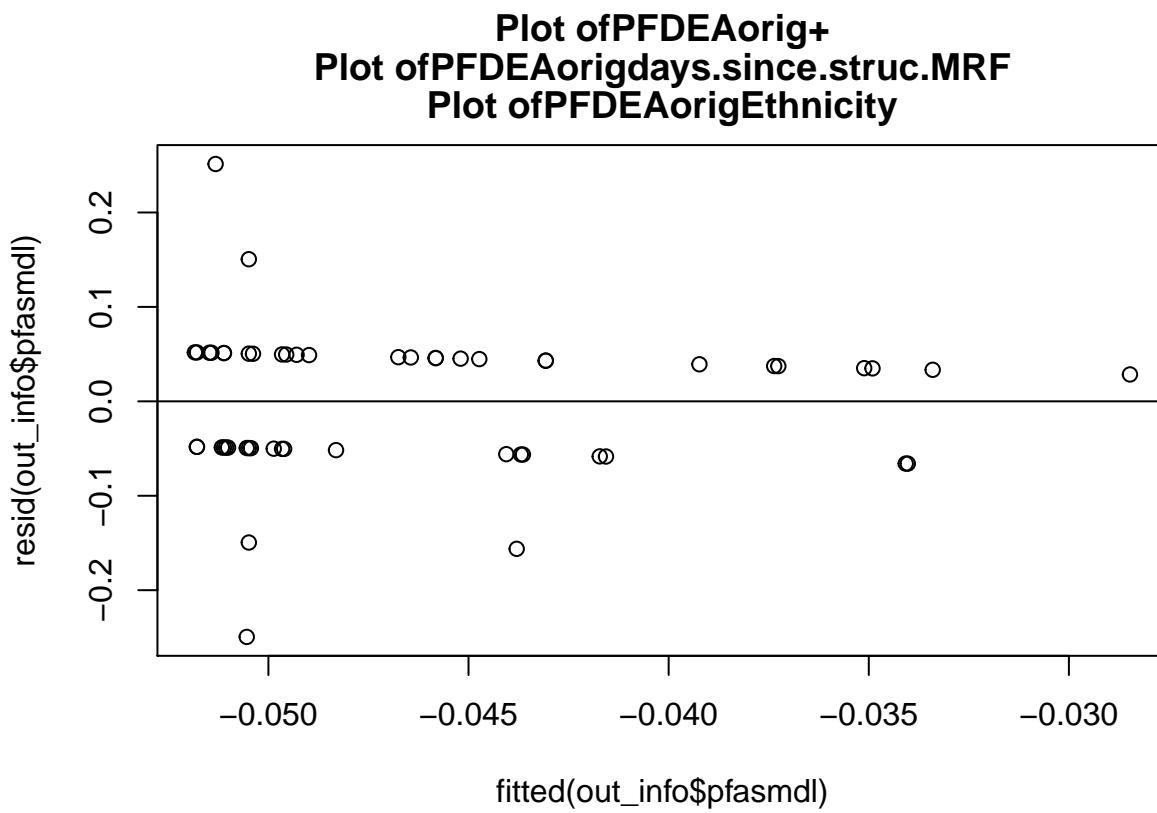
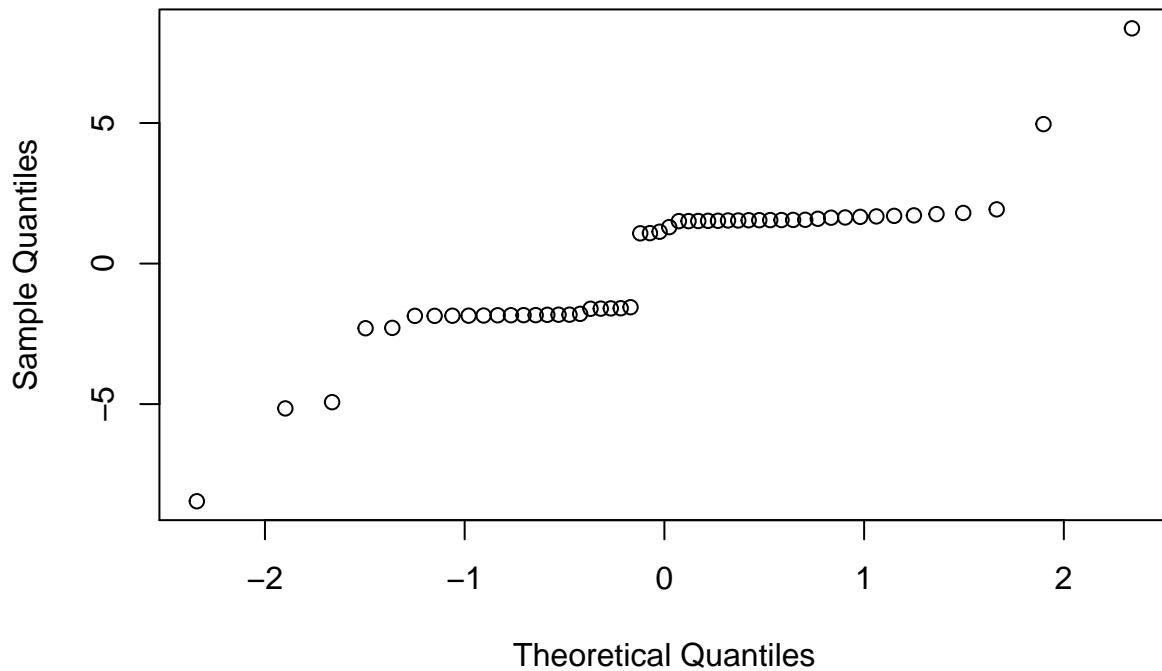
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



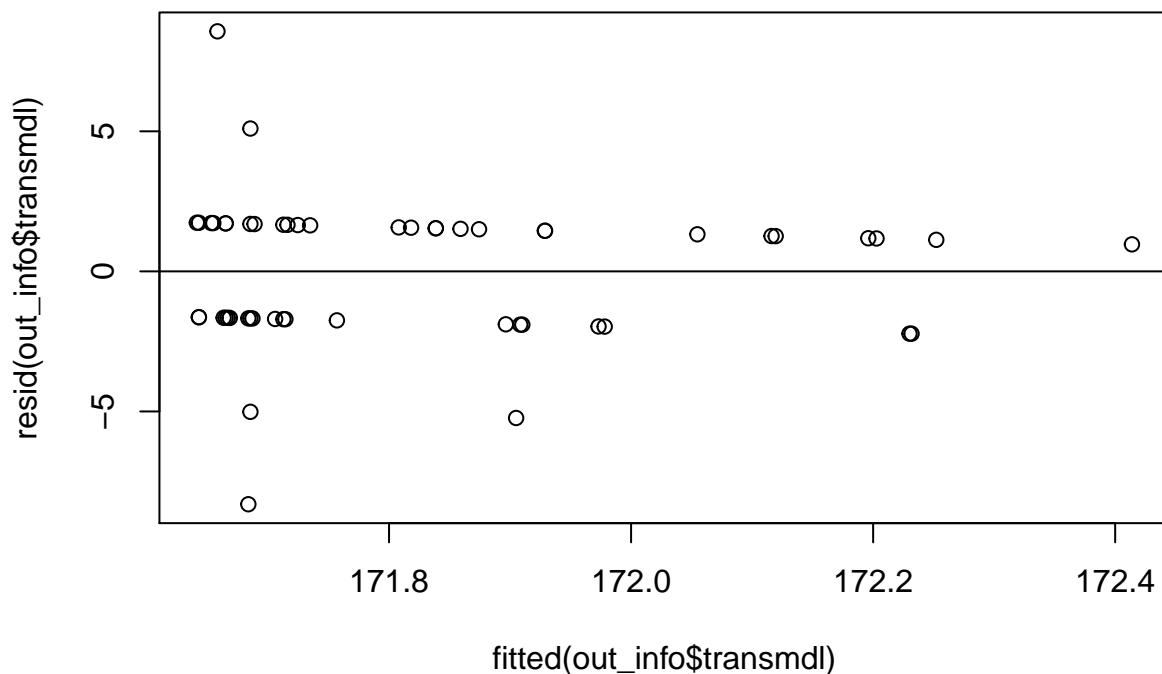
**Normal Q-Q Plot**



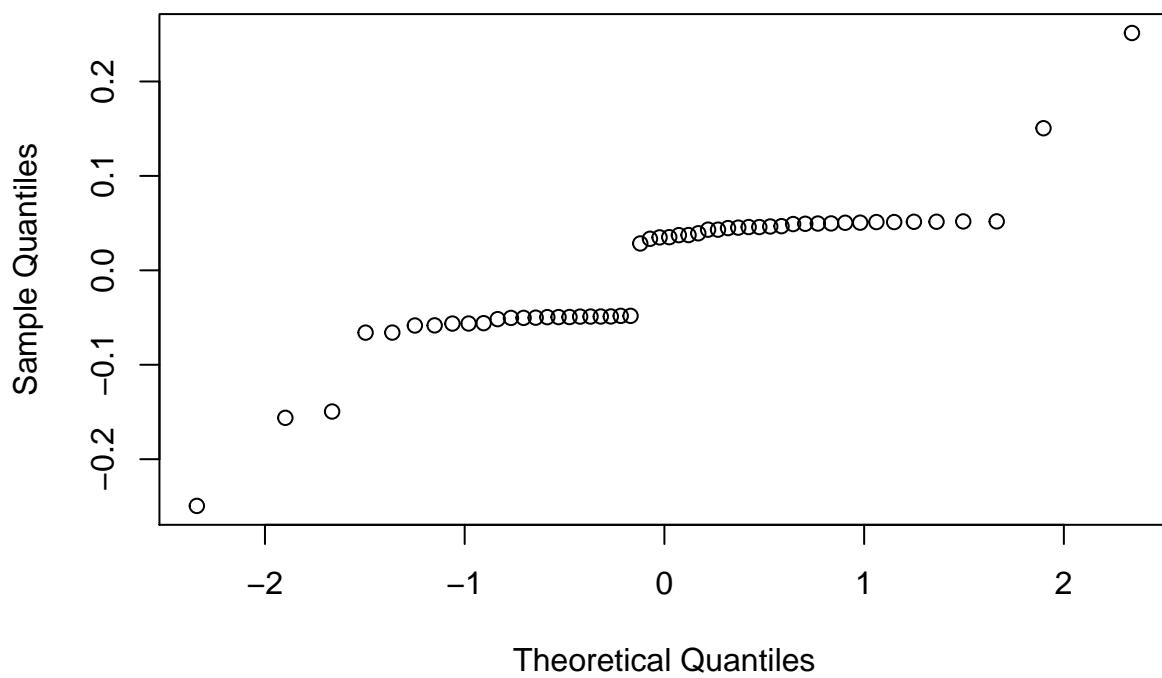
### Normal Q-Q Plot



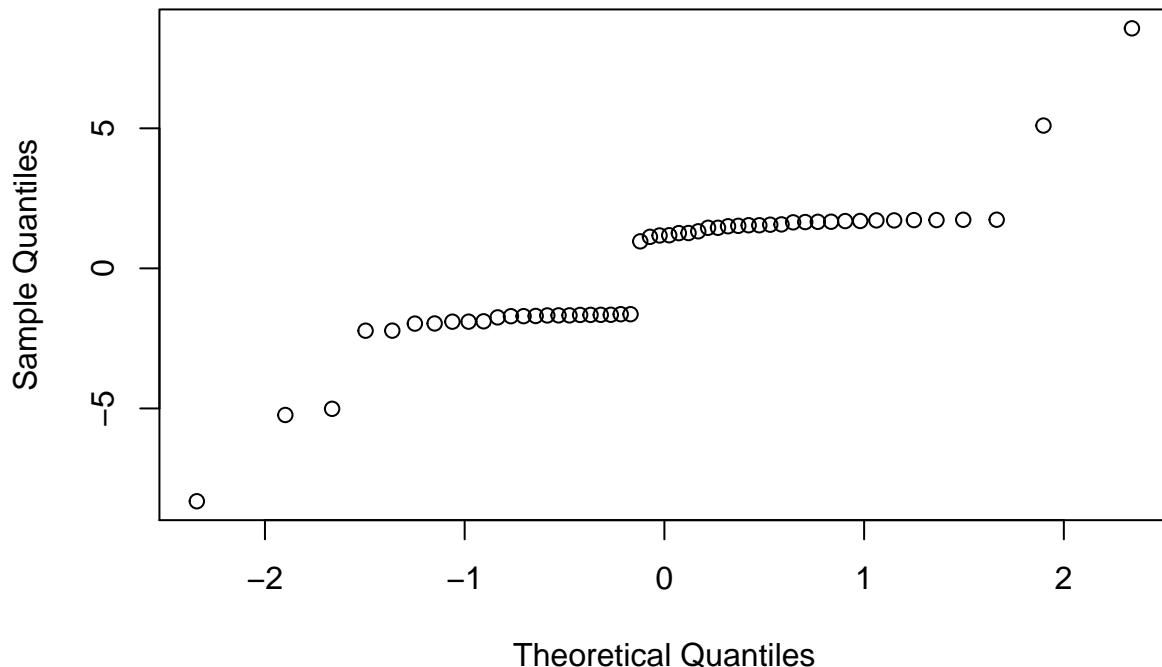
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.struc.MRF  
Plot of PFDEAtransEthnicity**



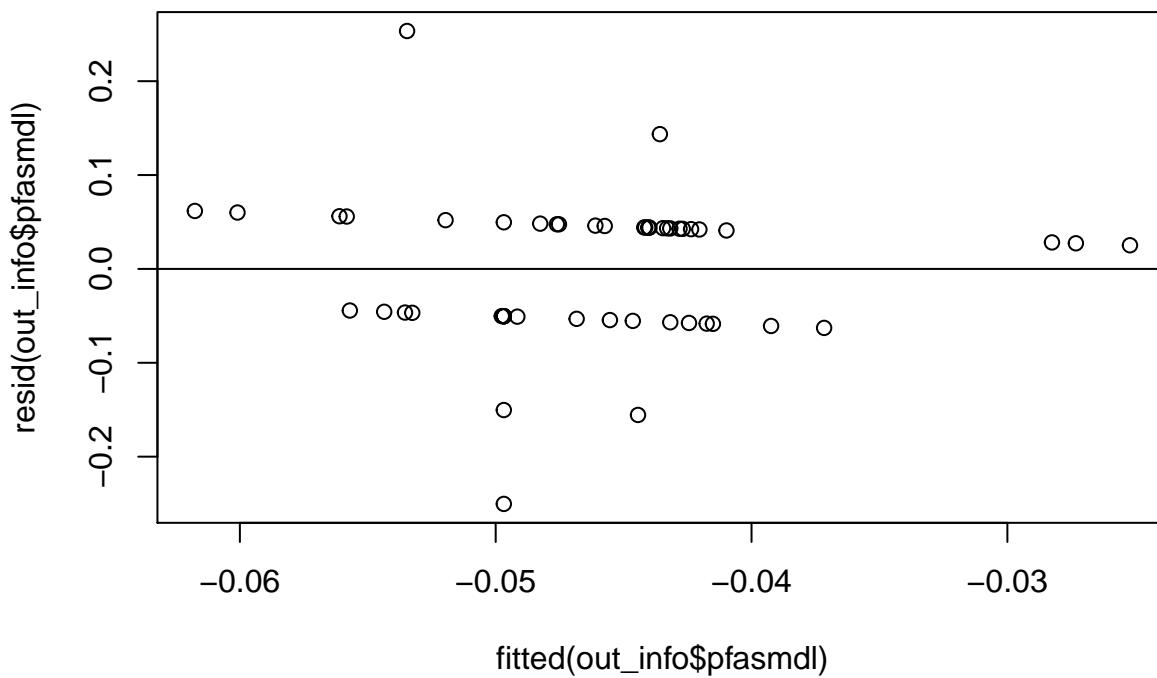
**Normal Q-Q Plot**



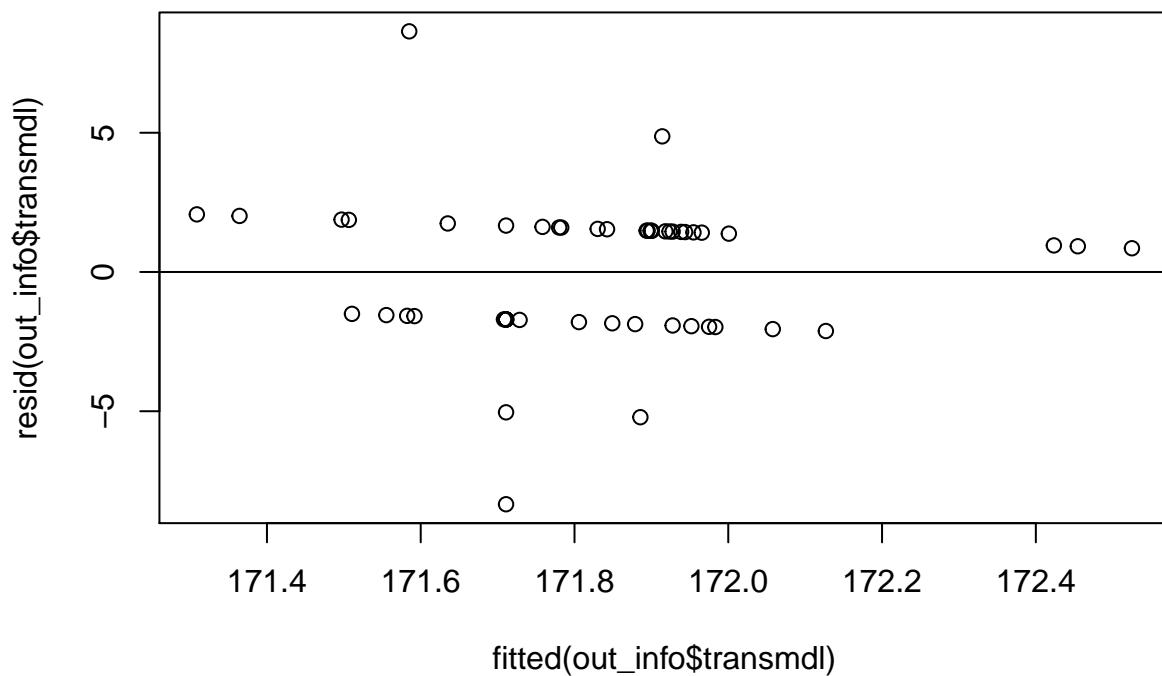
### Normal Q-Q Plot



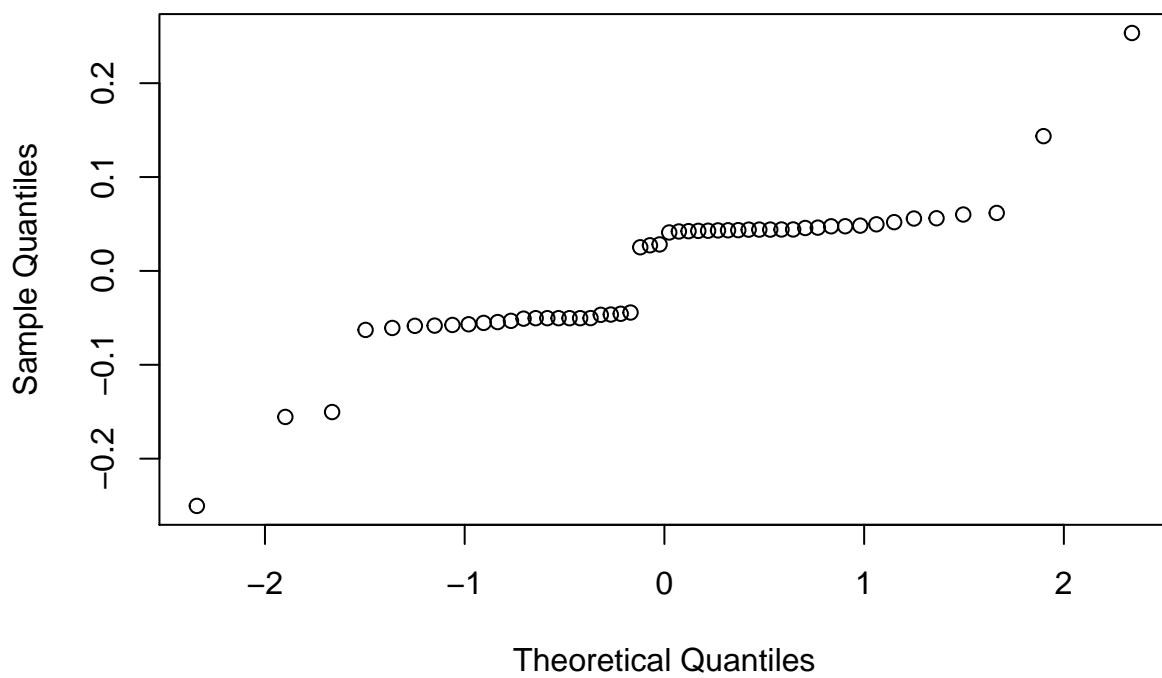
**Plot of PFDEAorig+  
Plot of PFDEAorigtime.since.baseline  
Plot of PFDEAorigEthnicity**



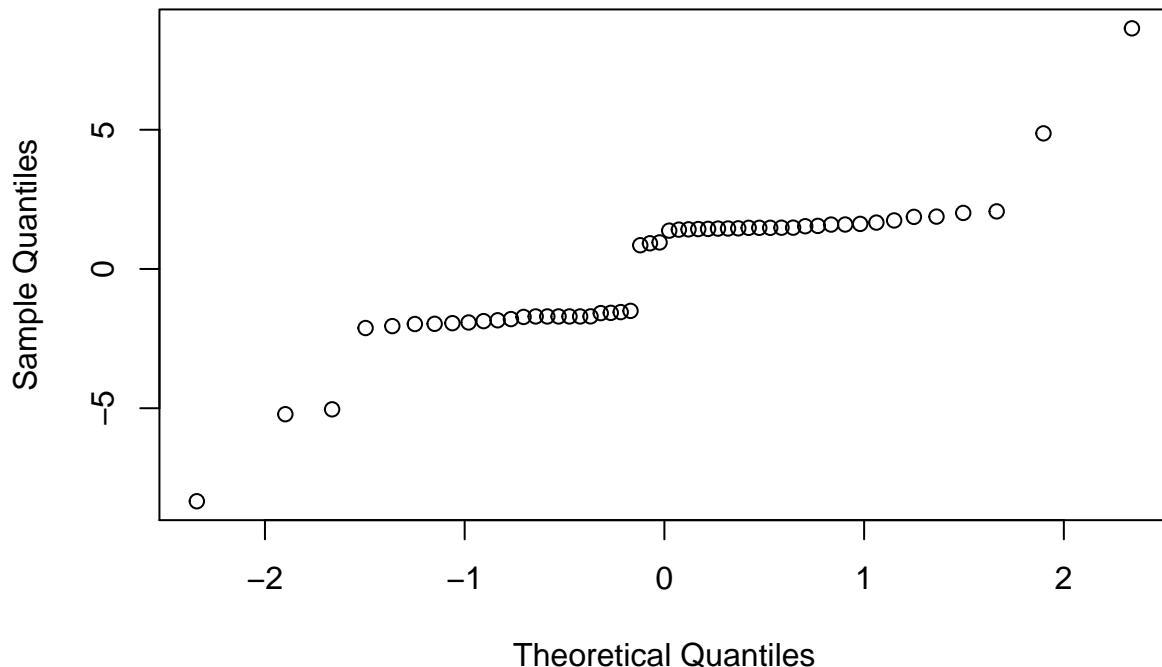
**Plot of PFDEAtrans+  
Plot of PFDEAtranstime.since.baseline  
Plot of PFDEAtransEthnicity**



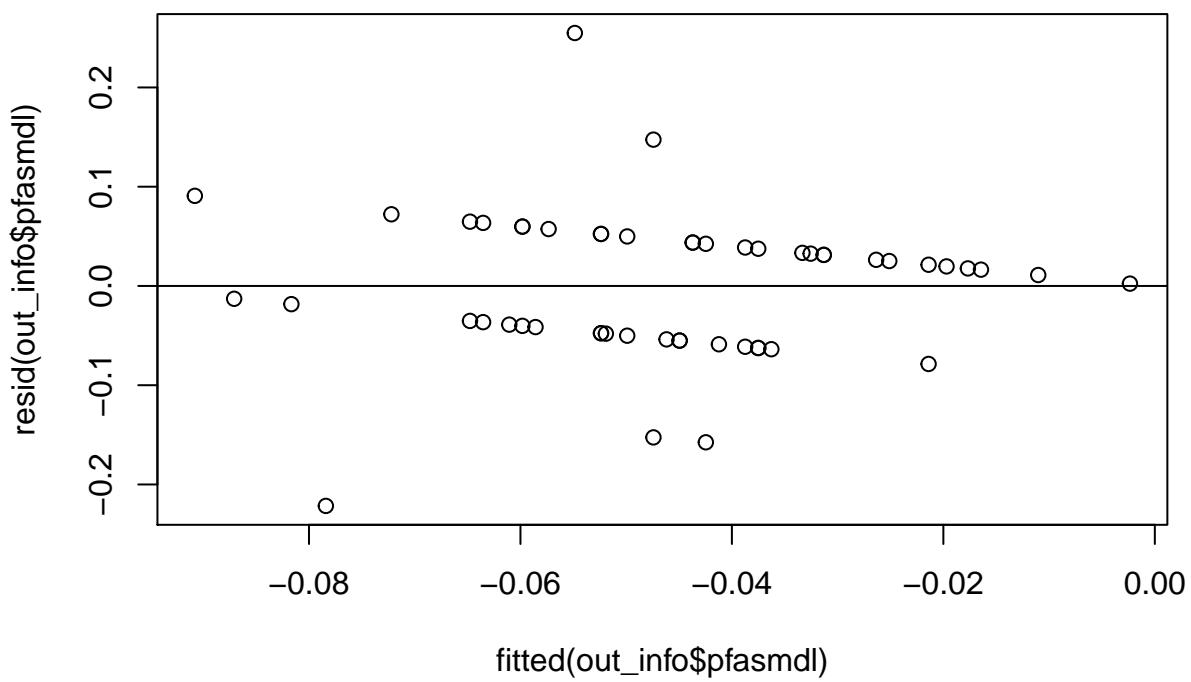
**Normal Q-Q Plot**



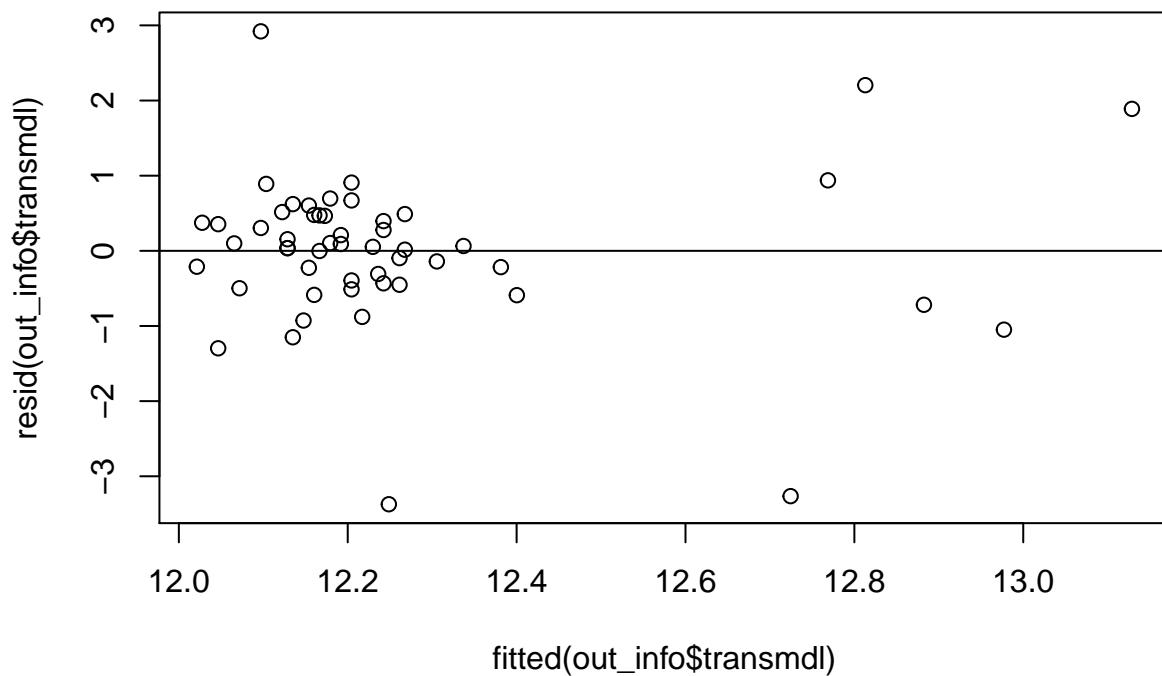
### Normal Q-Q Plot



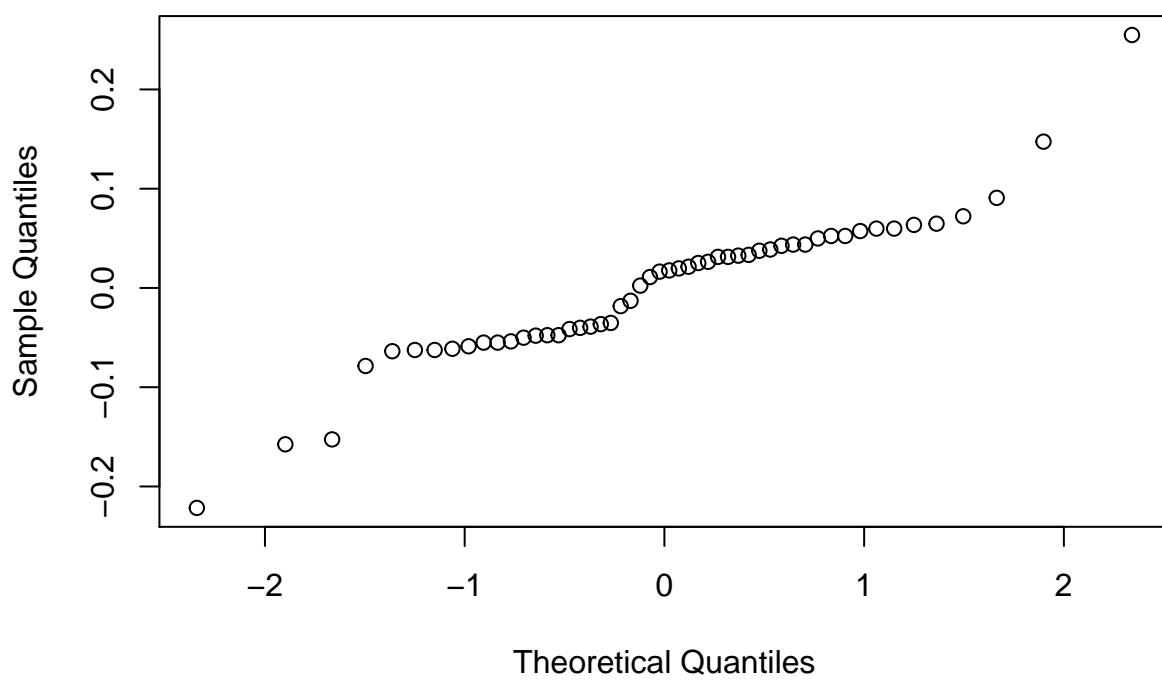
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity**



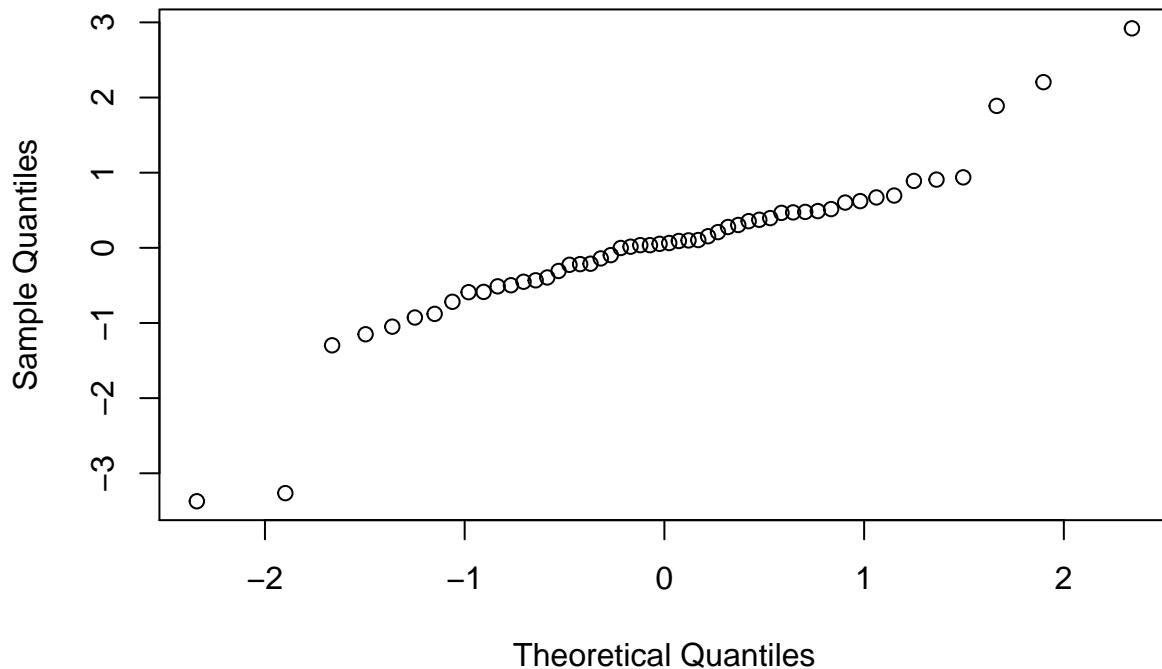
**Plot of PFHXStrans+  
Plot of PFHXStrantotal.num.fireruns  
Plot of PFHXStransEthnicity**



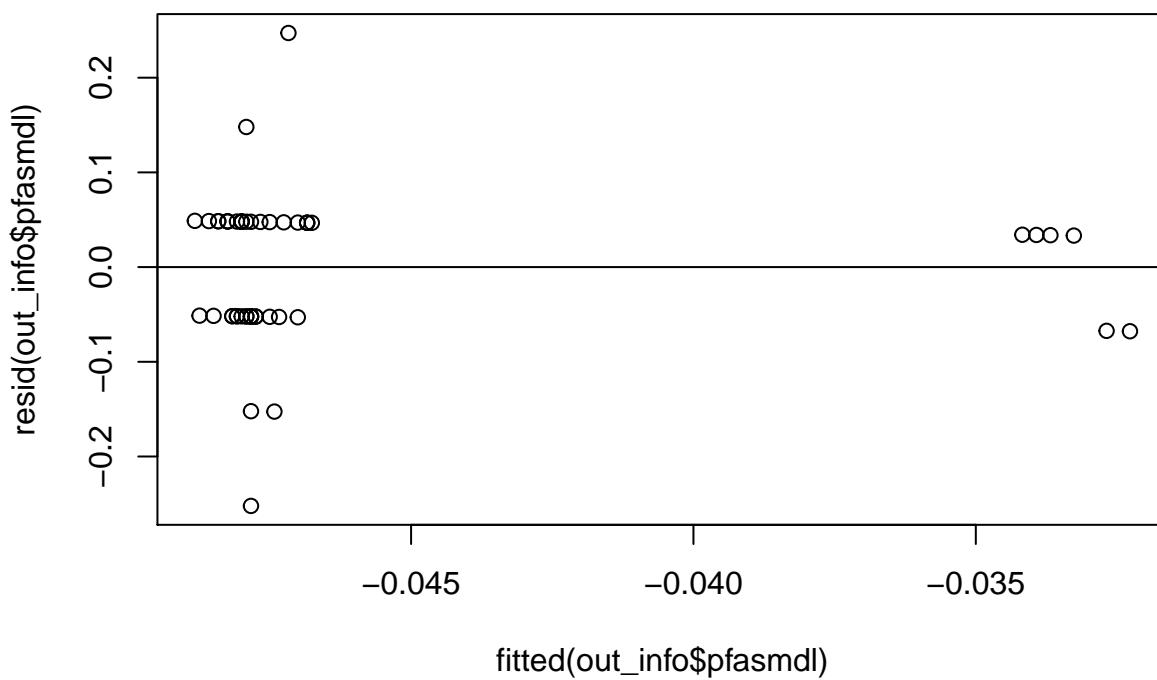
**Normal Q-Q Plot**



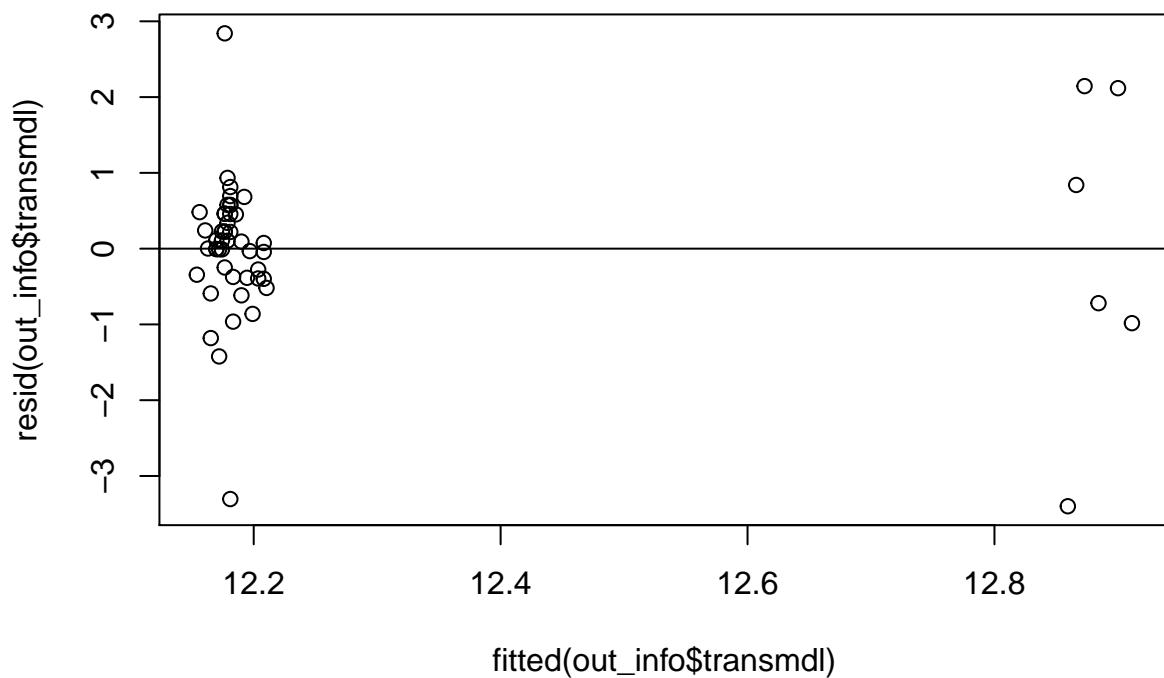
### Normal Q-Q Plot



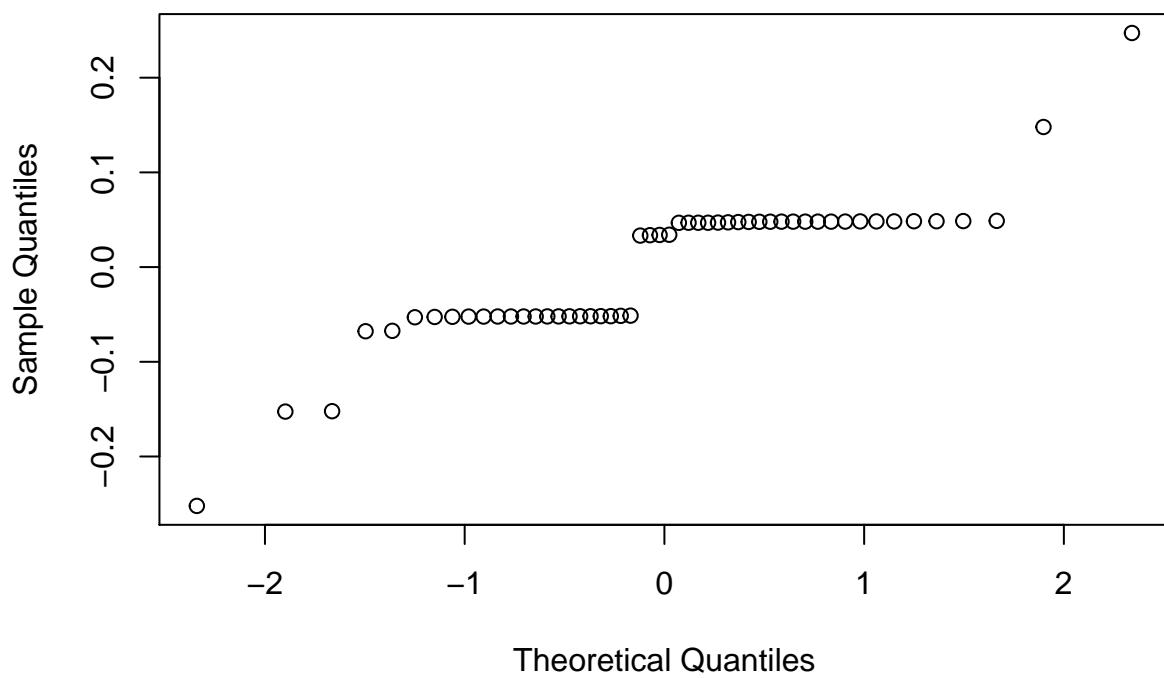
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.num.fireruns  
Plot of PFDEAorigEthnicity**



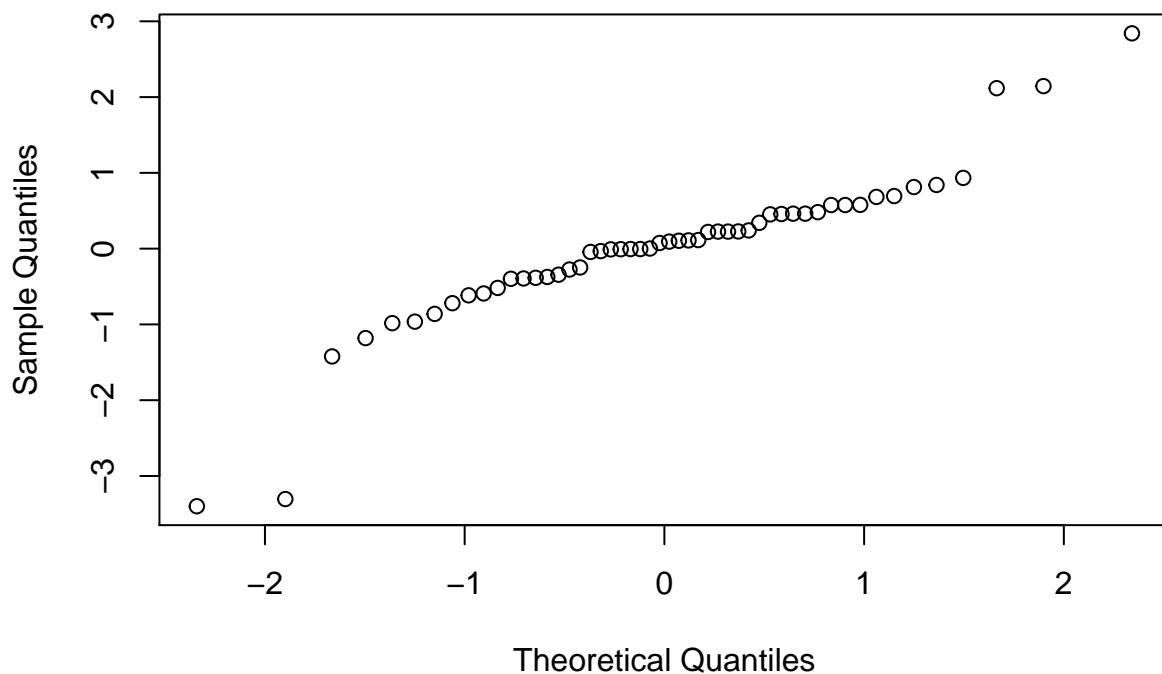
**Plot of PFHXStrans+  
Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



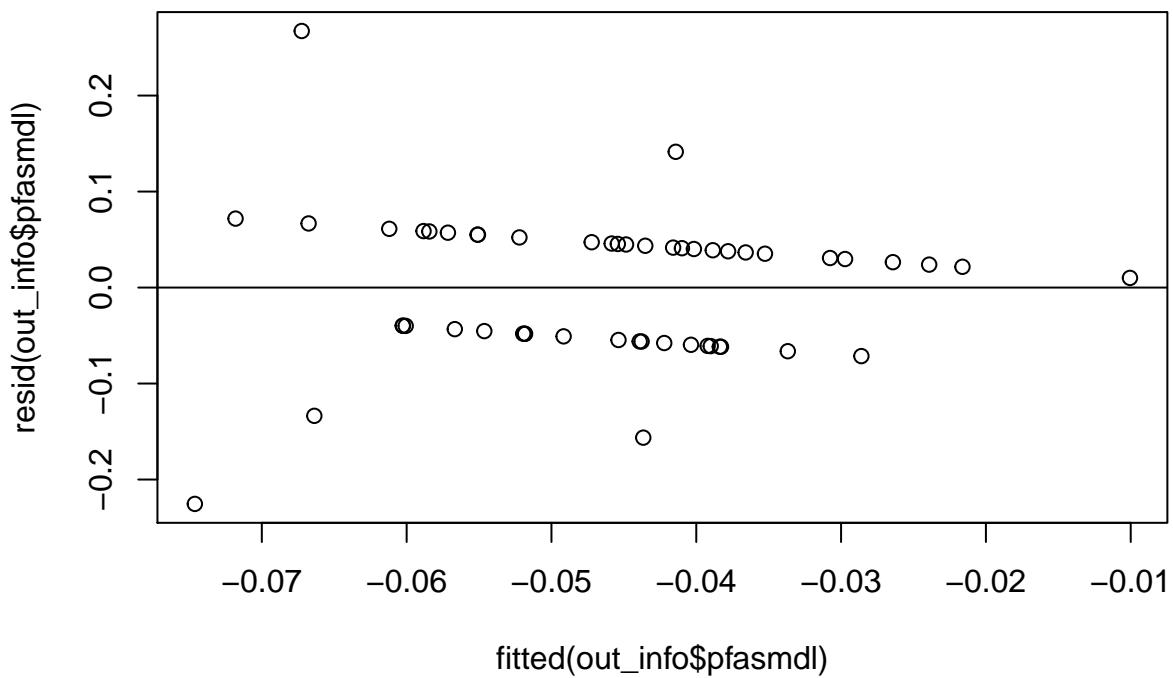
**Normal Q-Q Plot**



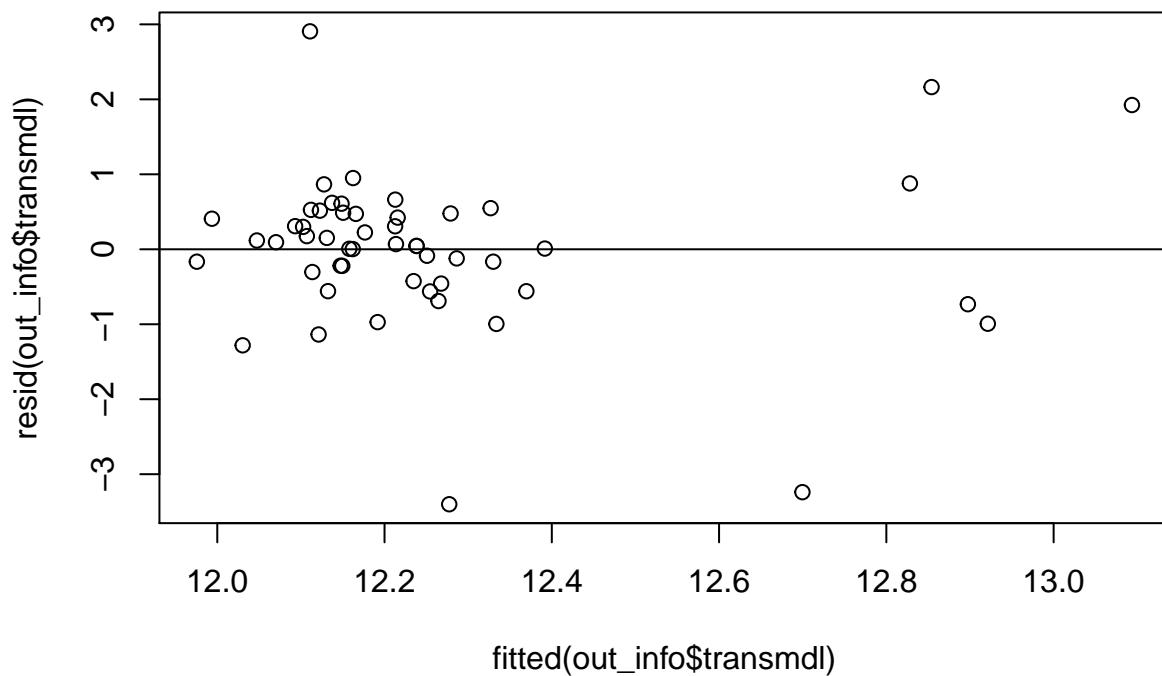
### Normal Q-Q Plot



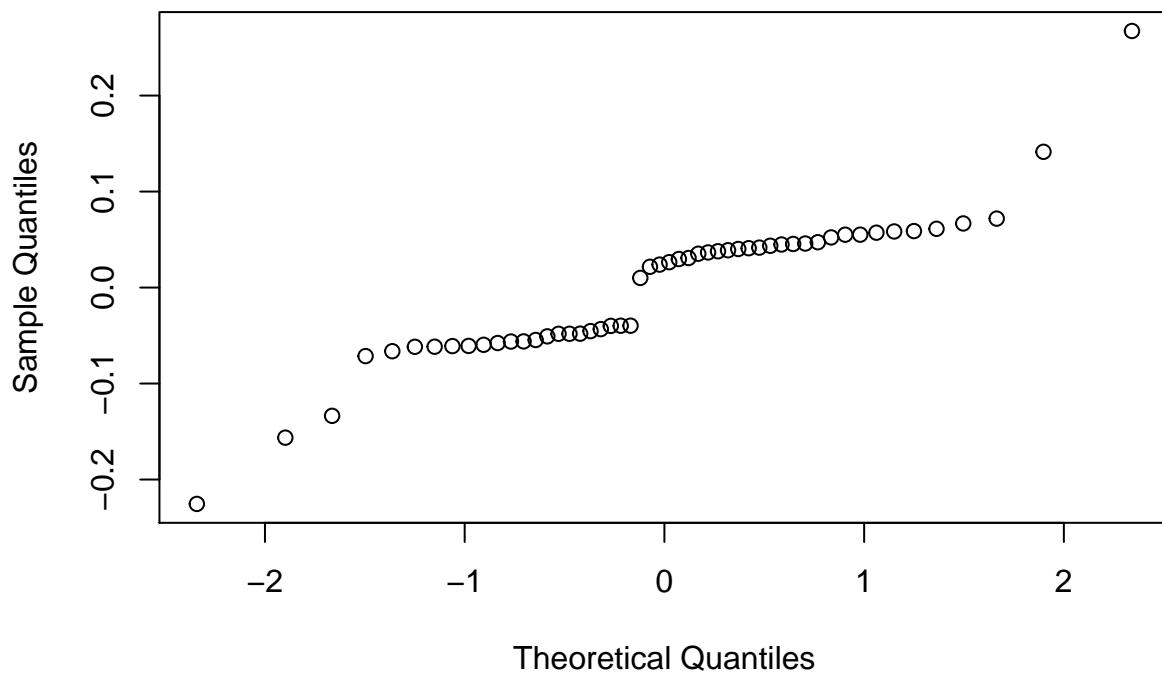
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity**



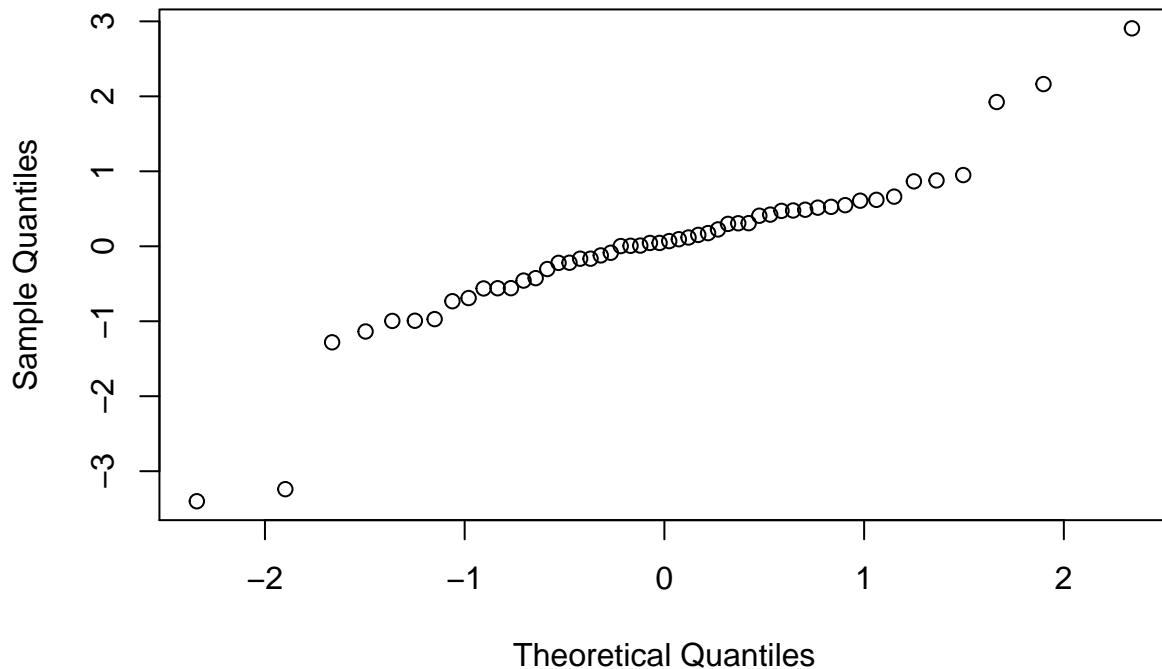
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



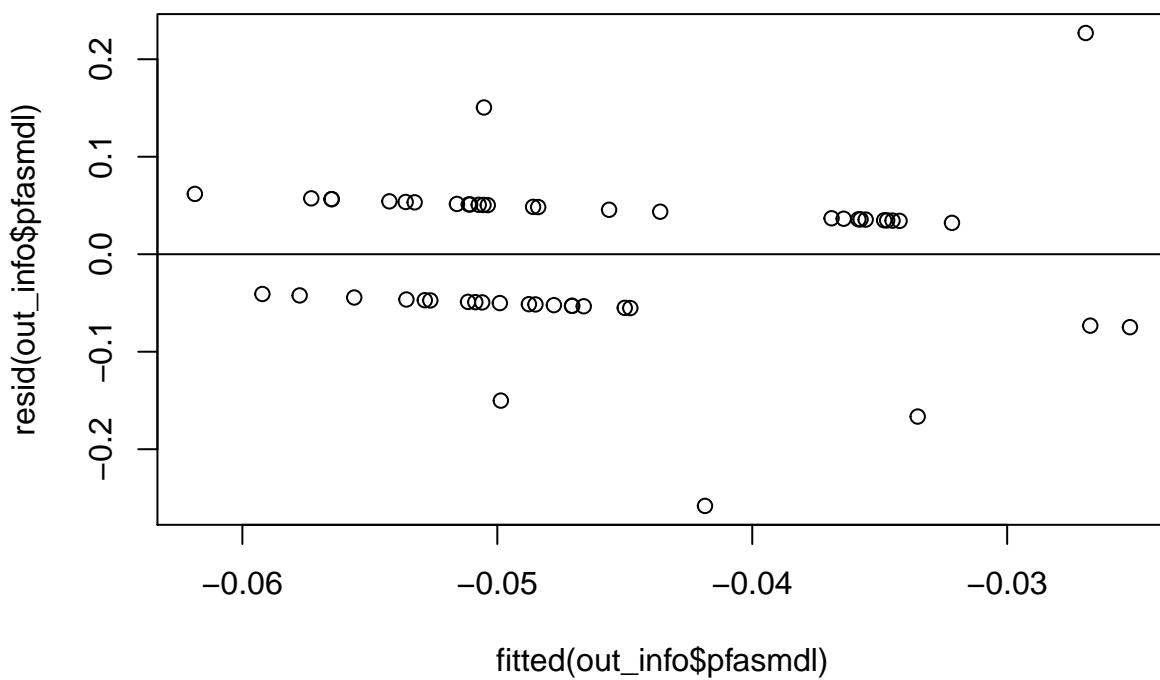
**Normal Q-Q Plot**



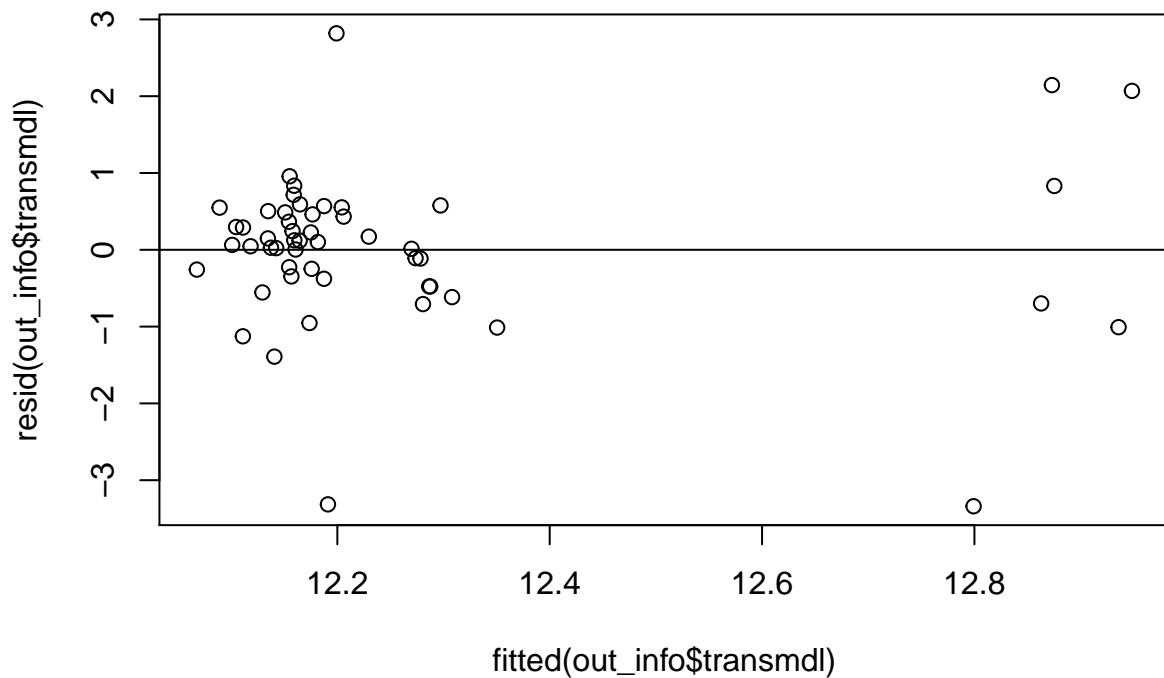
### Normal Q-Q Plot



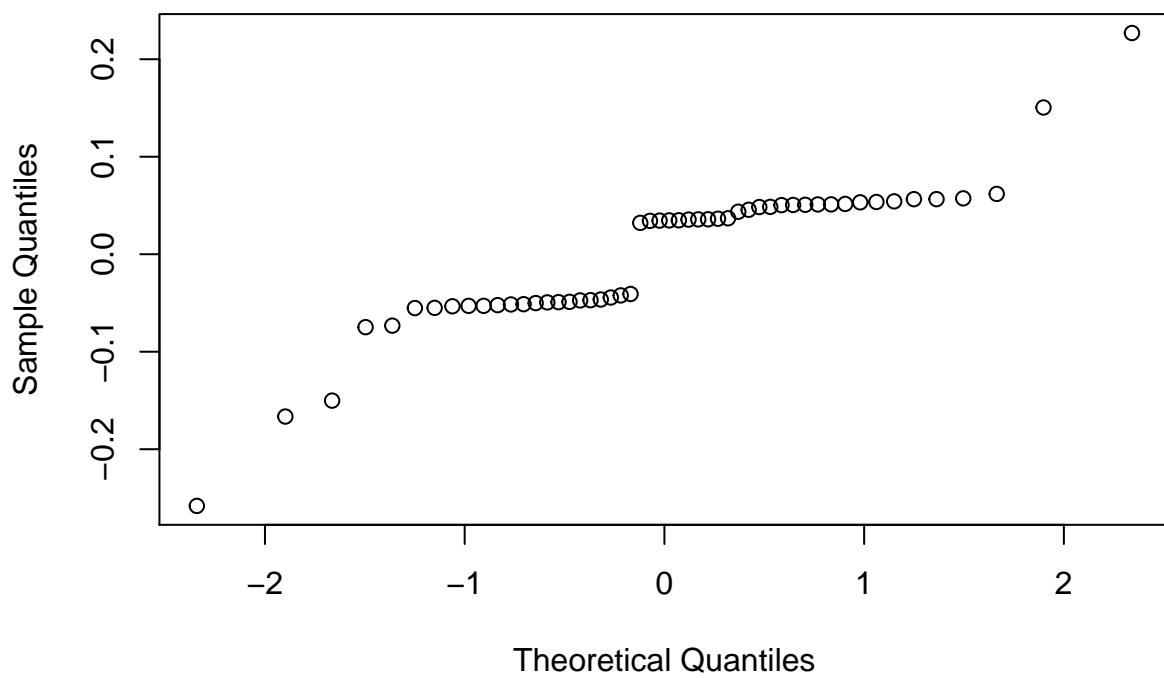
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.duration.hrs  
Plot of PFDEAorigEthnicity**



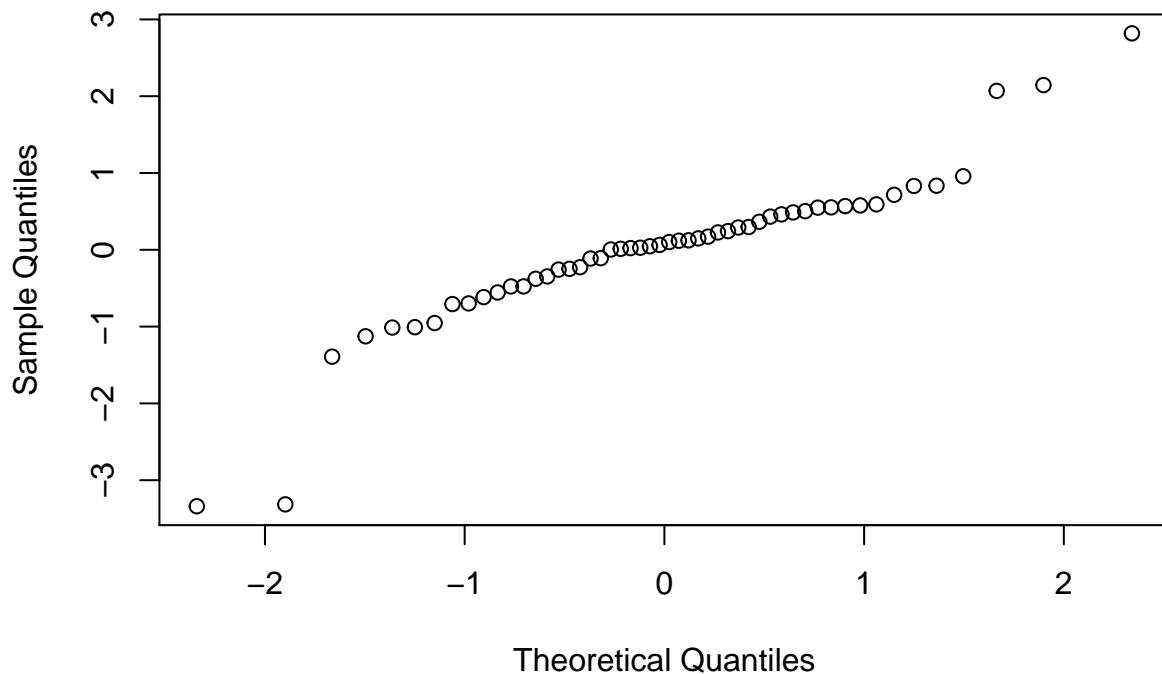
**Plot of PFHXStrans+  
Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



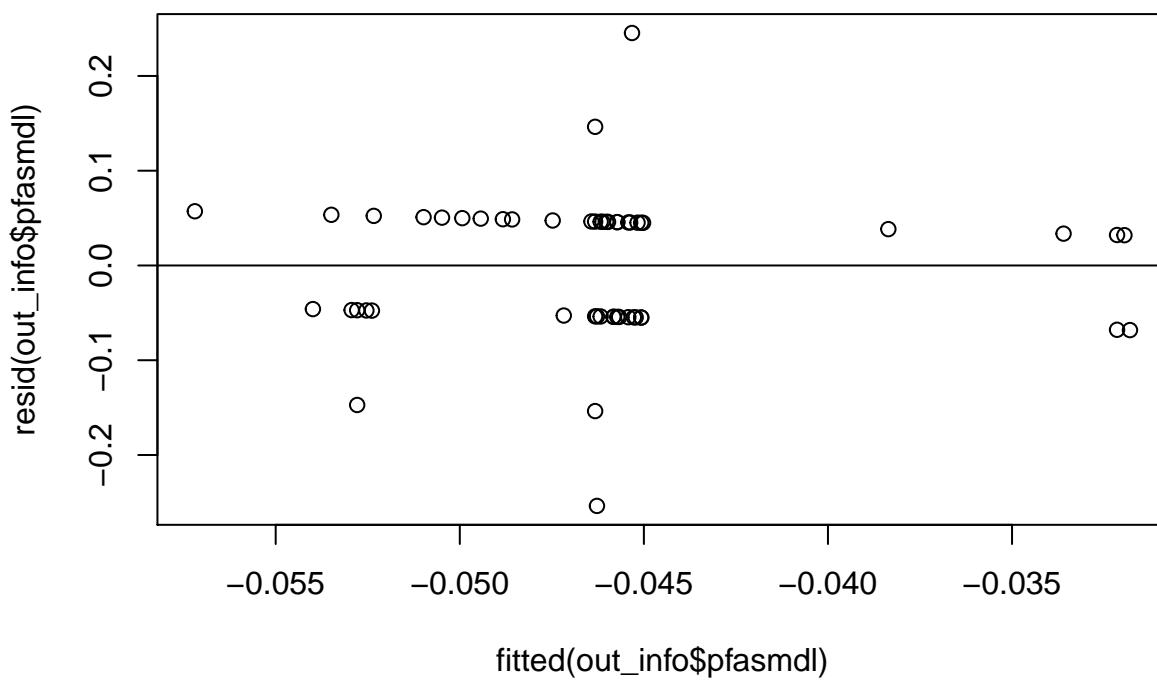
**Normal Q-Q Plot**



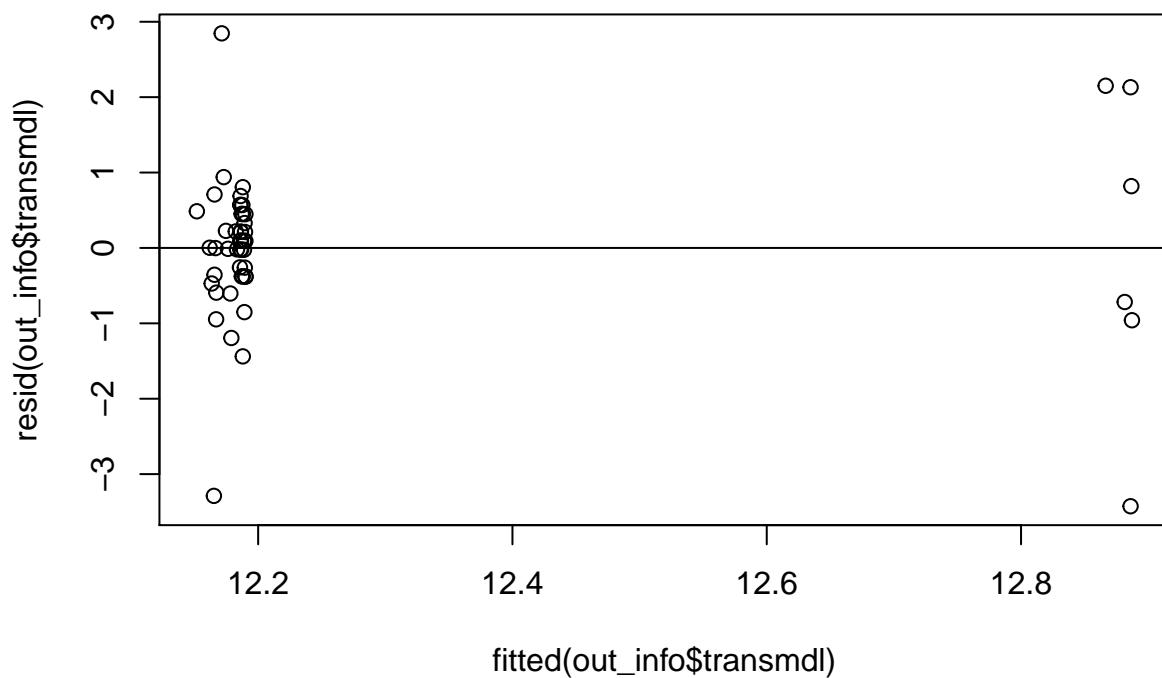
### Normal Q-Q Plot



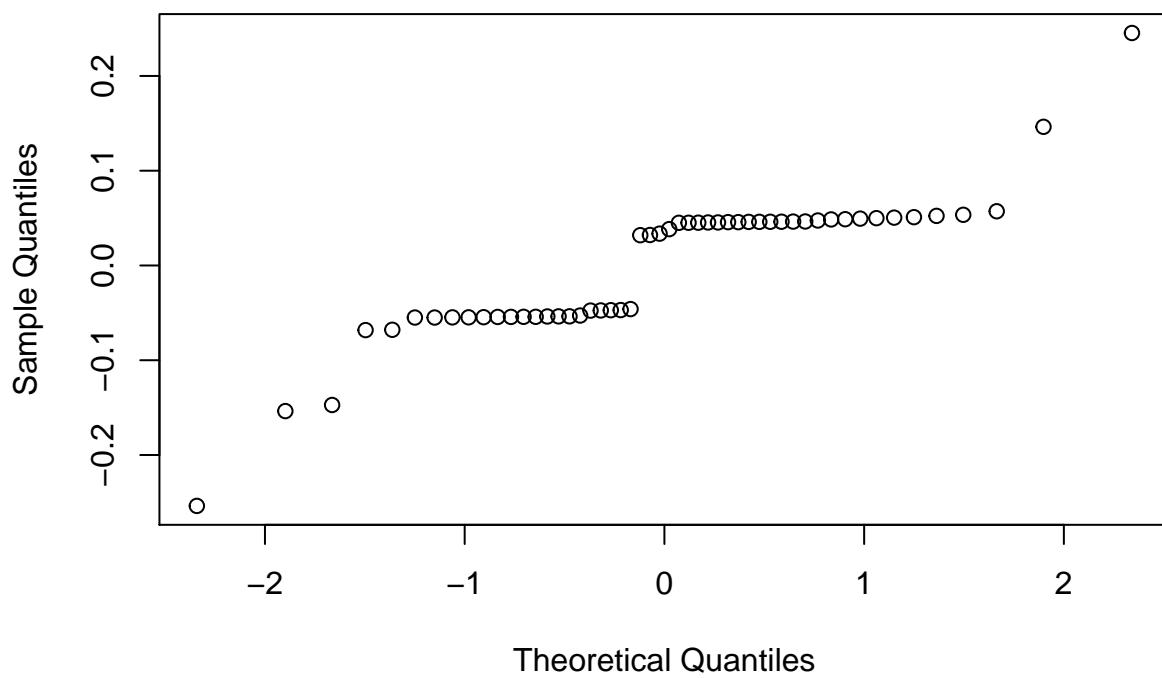
**Plot of PFDEAorig+  
Plot of PFDEAorigdays.since.MRF  
Plot of PFDEAorigEthnicity**



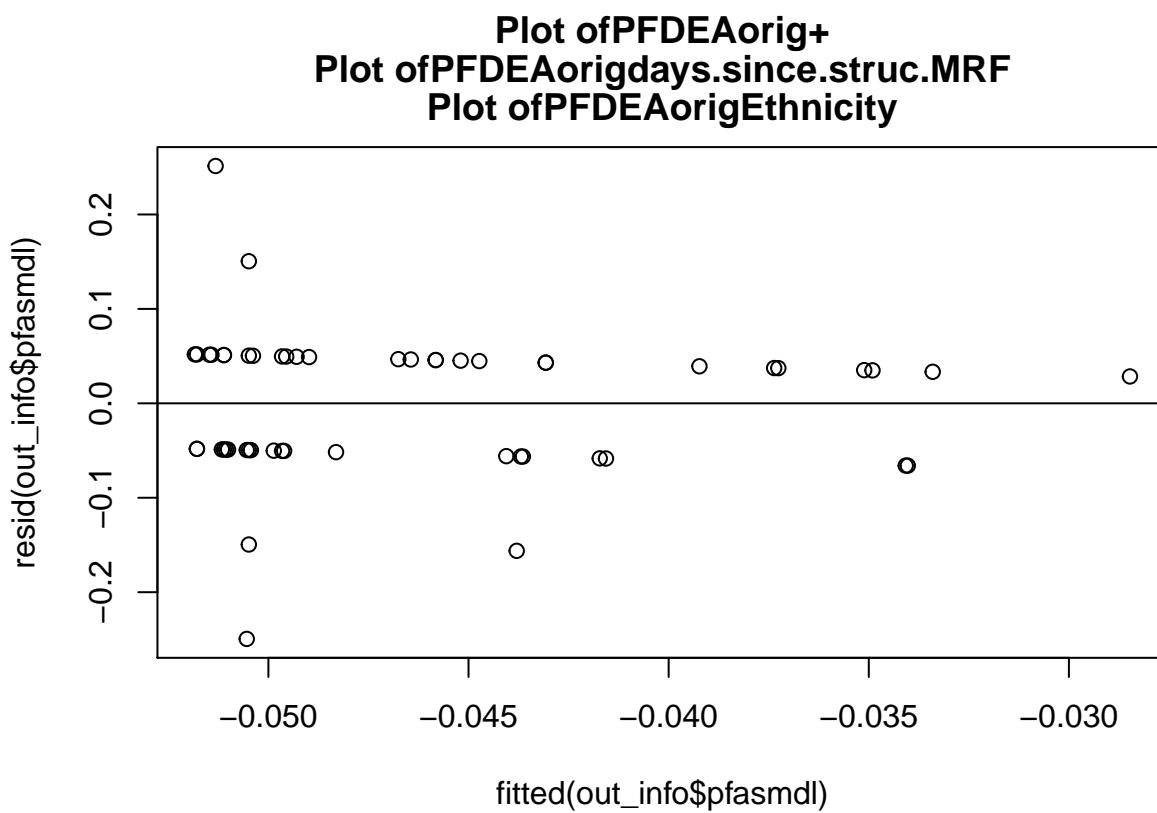
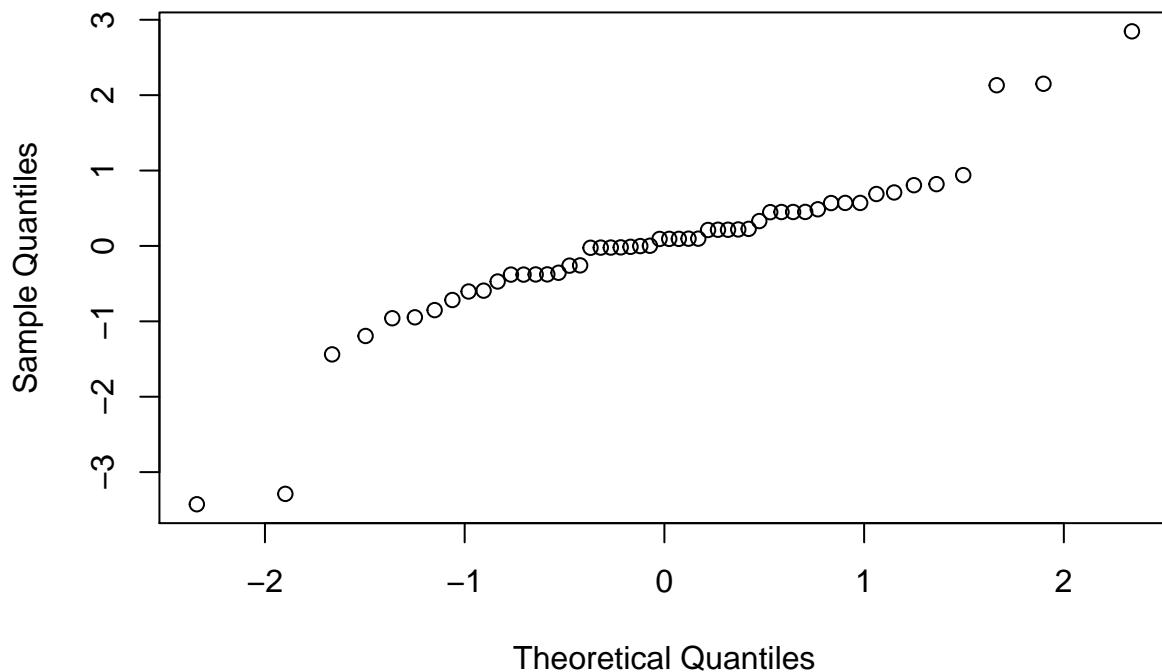
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



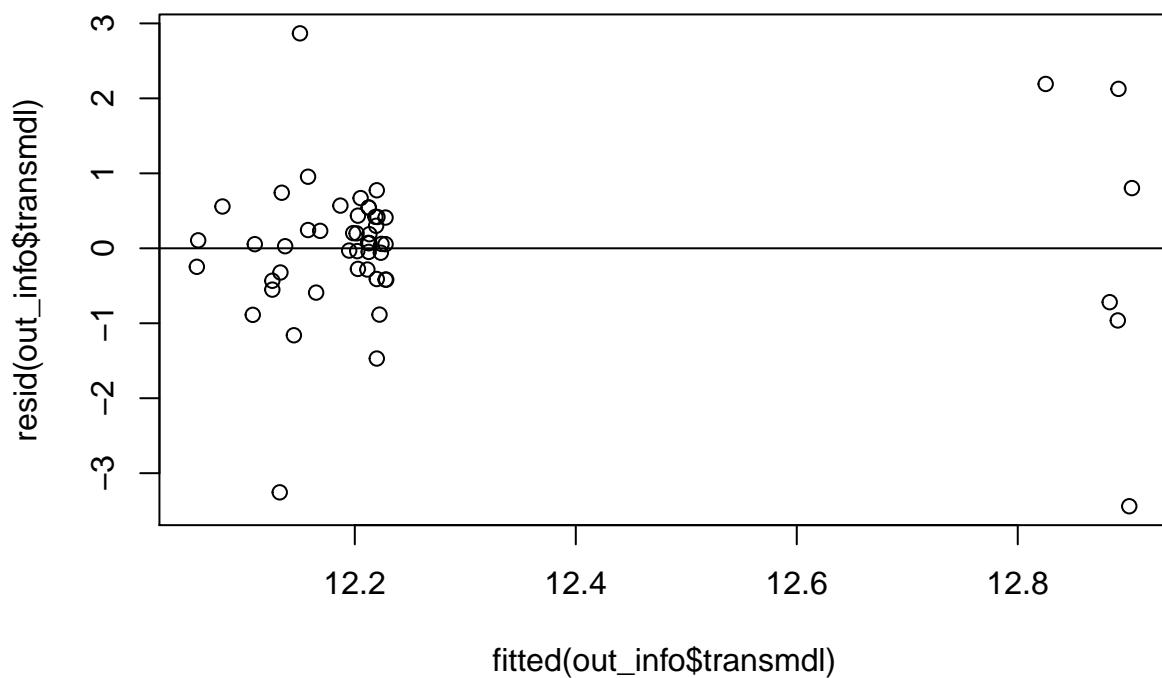
**Normal Q-Q Plot**



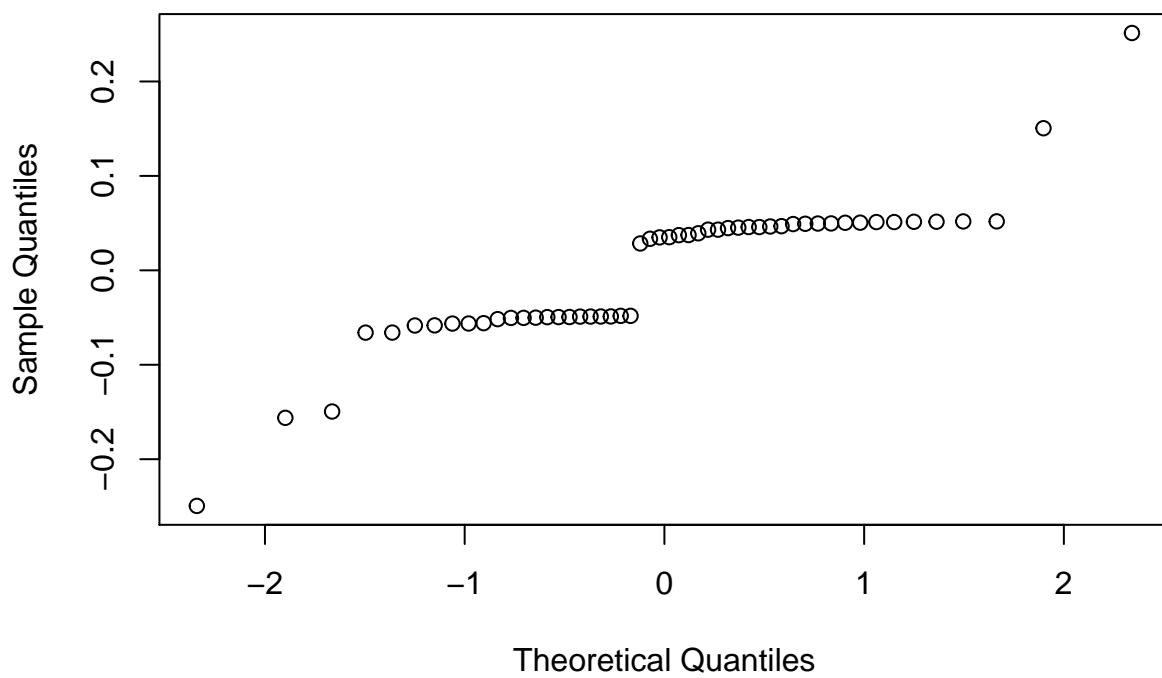
### Normal Q-Q Plot



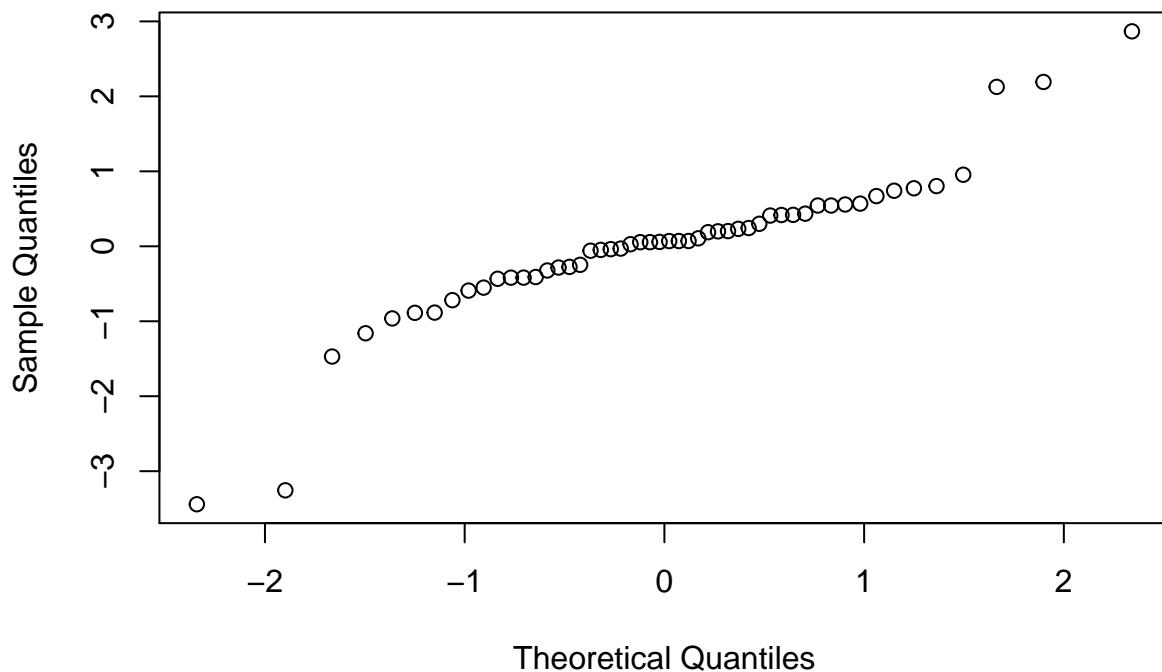
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.struc.MRF  
Plot of PFHXStransEthnicity**



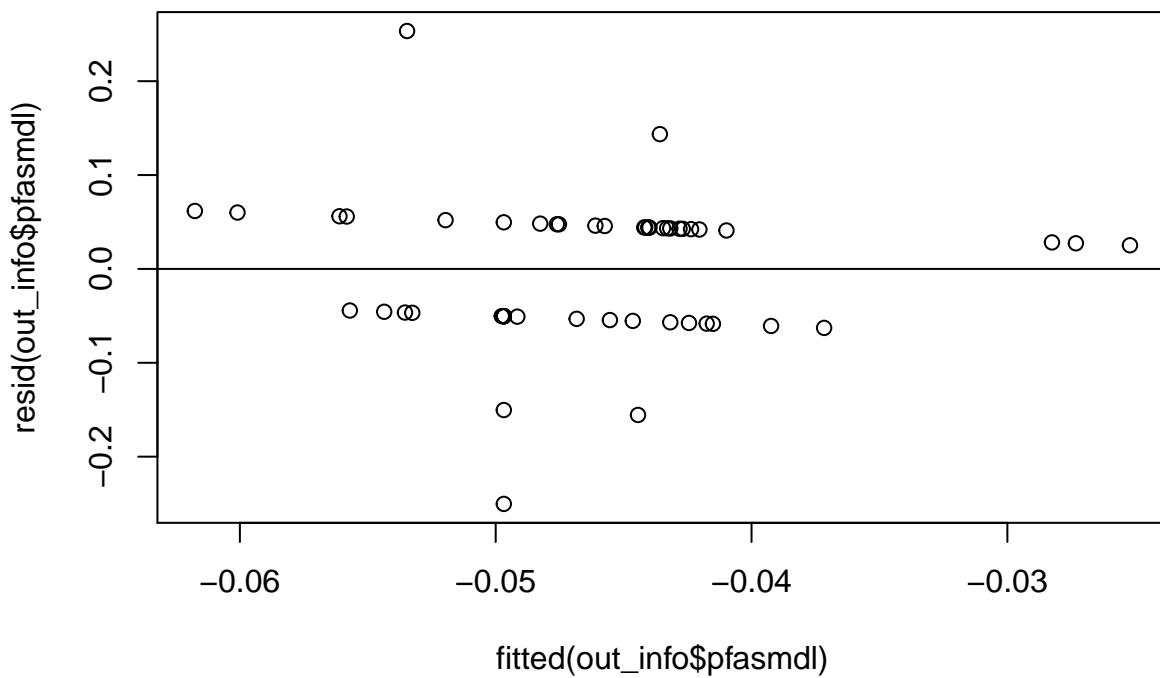
**Normal Q-Q Plot**



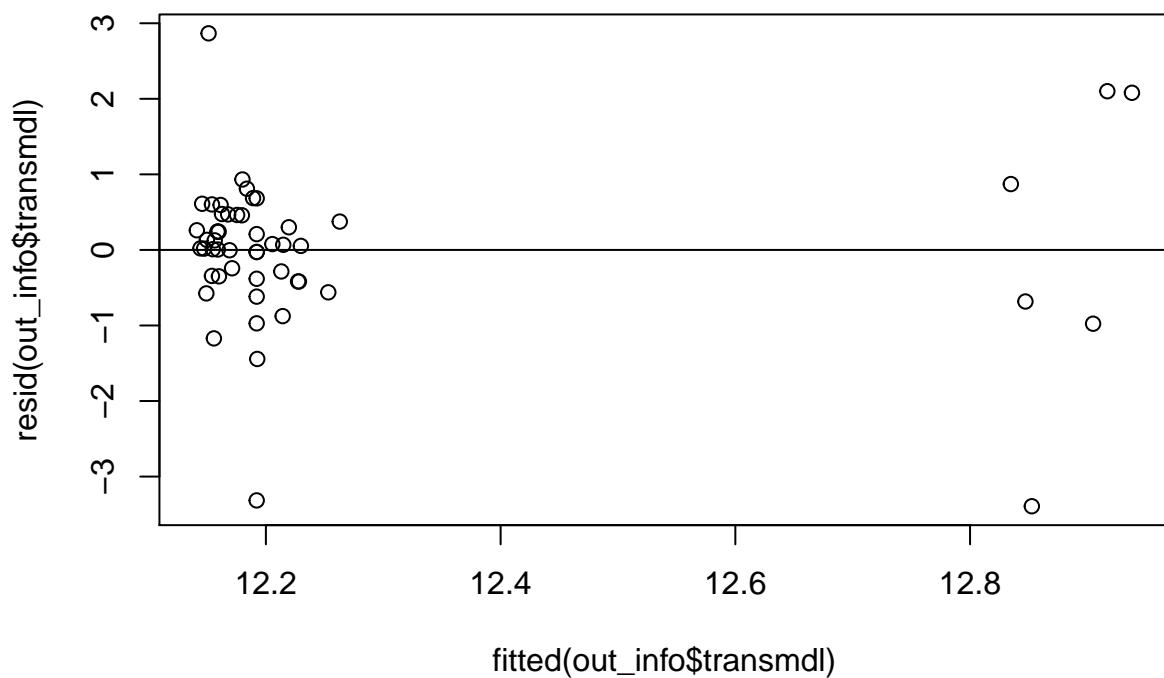
### Normal Q-Q Plot



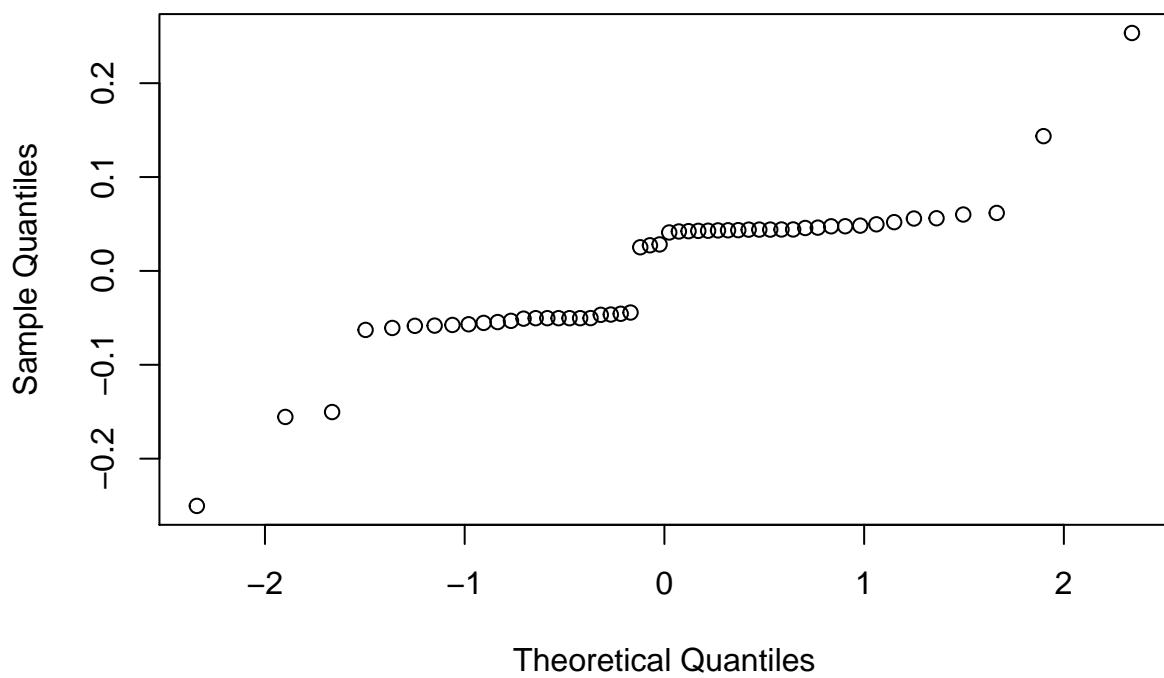
**Plot of PFDEAorig+  
Plot of PFDEAorigtime.since.baseline  
Plot of PFDEAorigEthnicity**



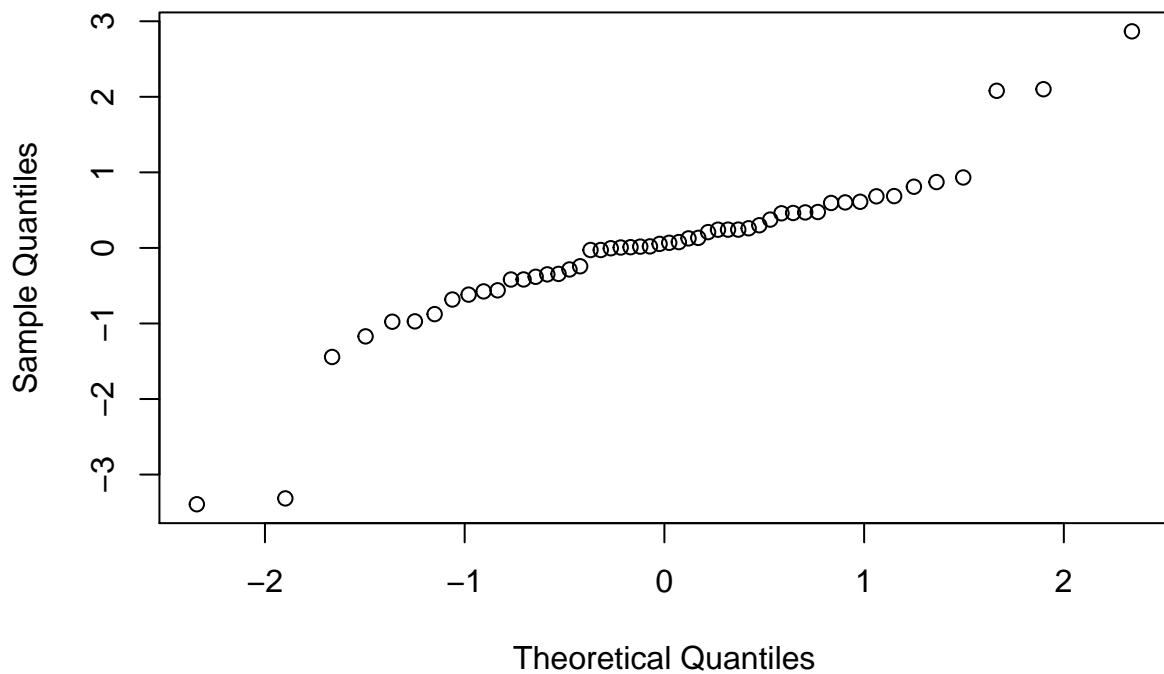
**Plot of PFHXStrans+  
Plot of PFHXStranstime.since.baseline  
Plot of PFHXStransEthnicity**



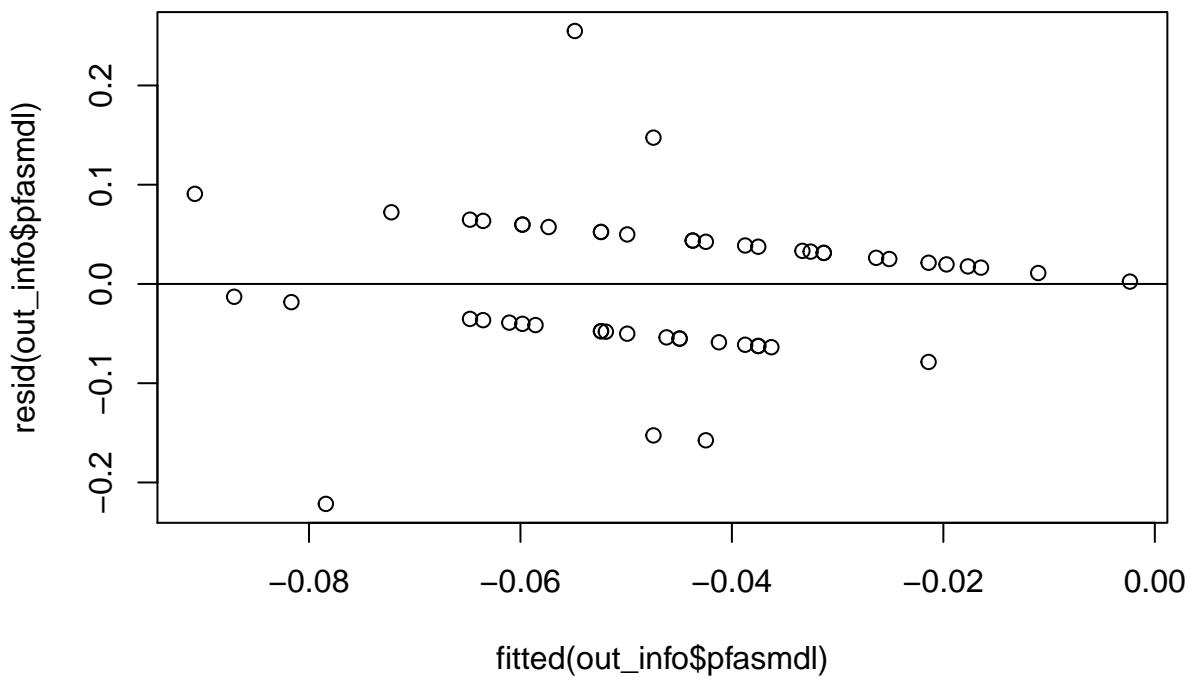
**Normal Q-Q Plot**



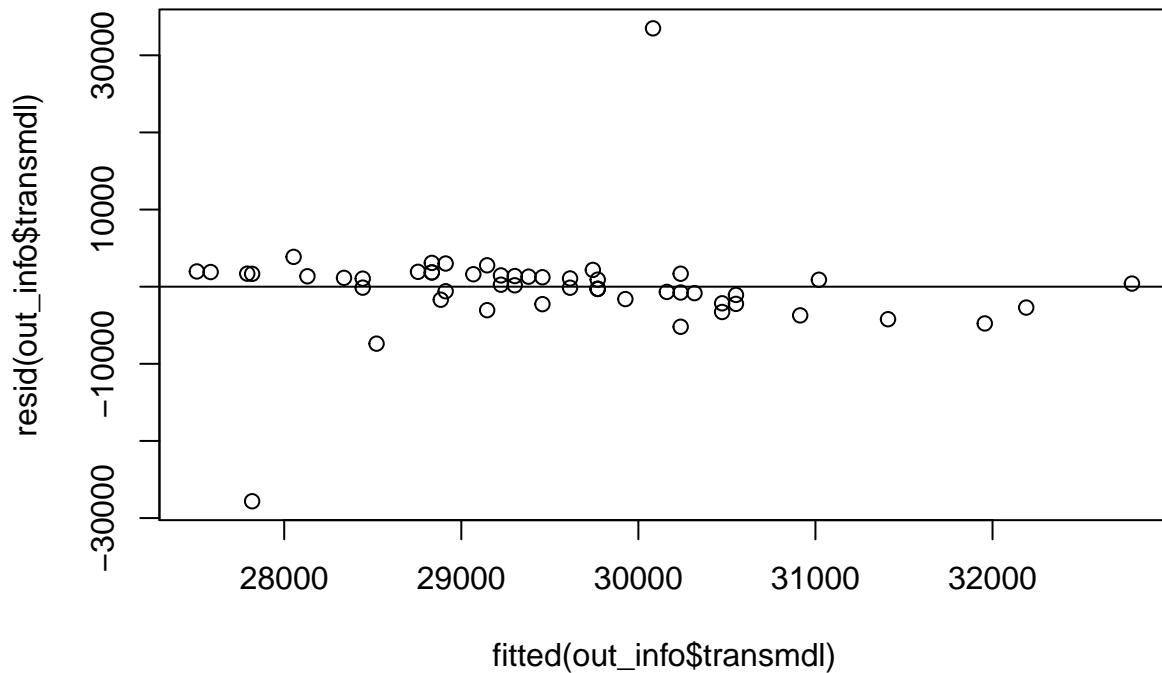
### Normal Q-Q Plot



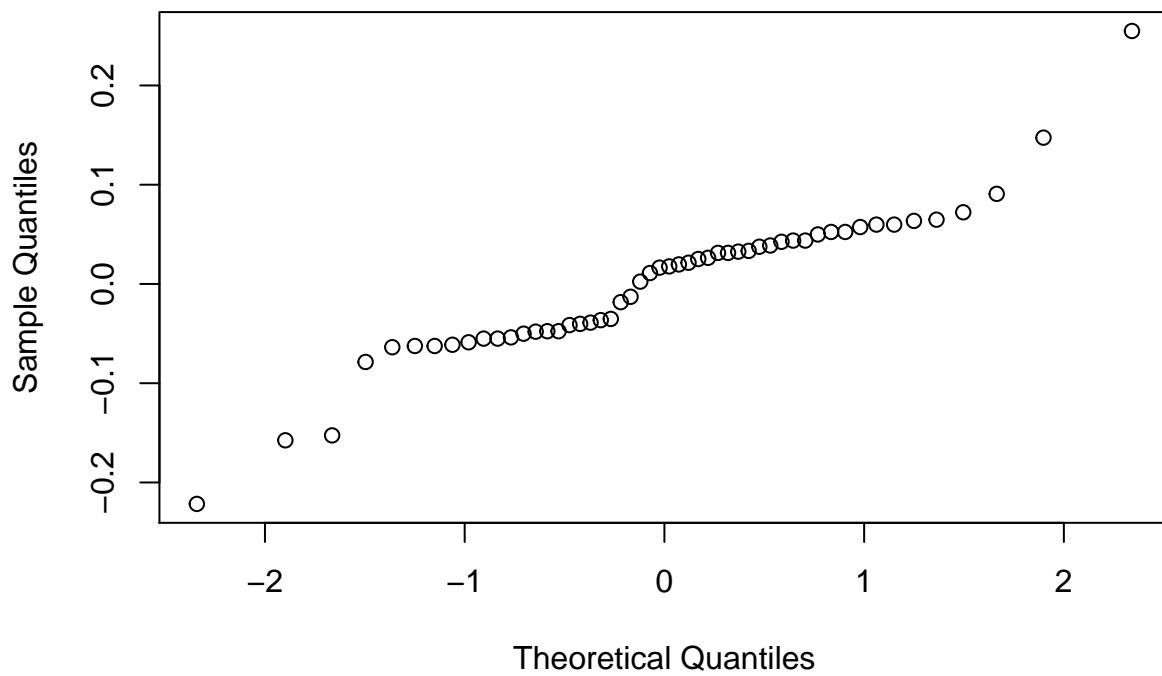
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity**



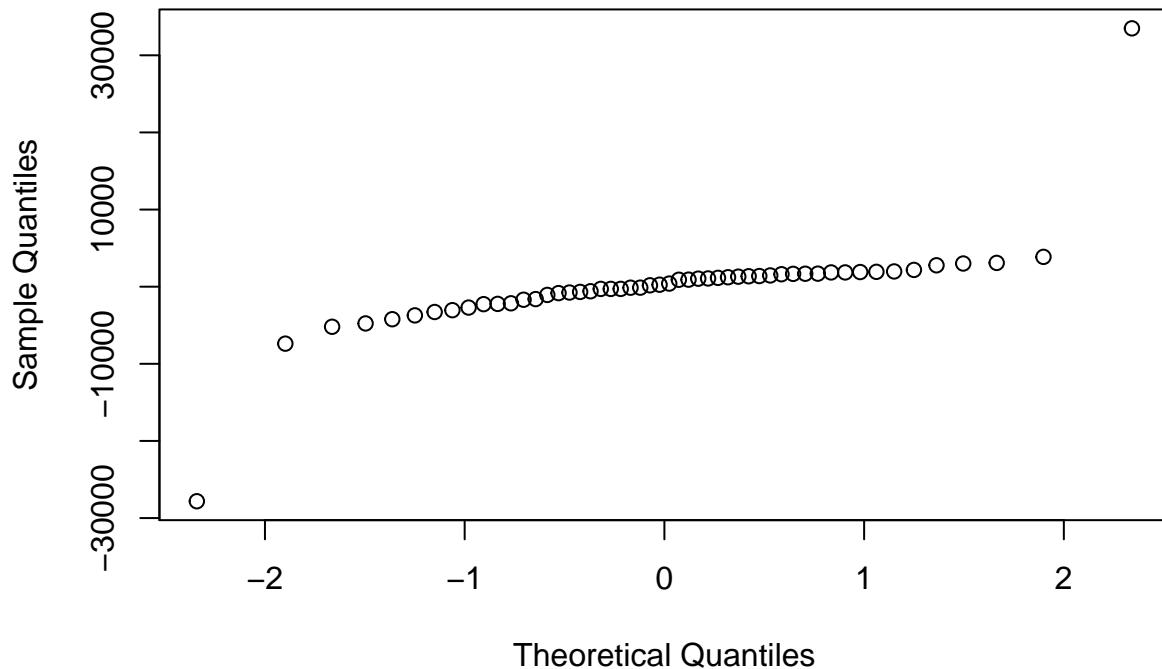
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



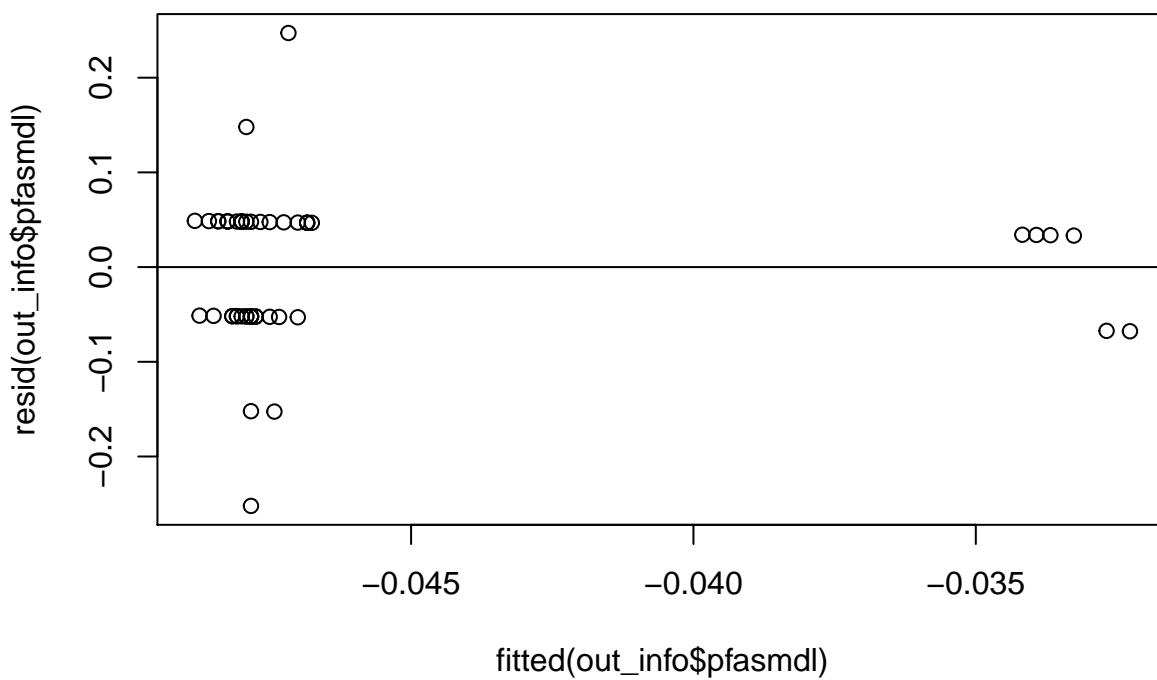
**Normal Q-Q Plot**



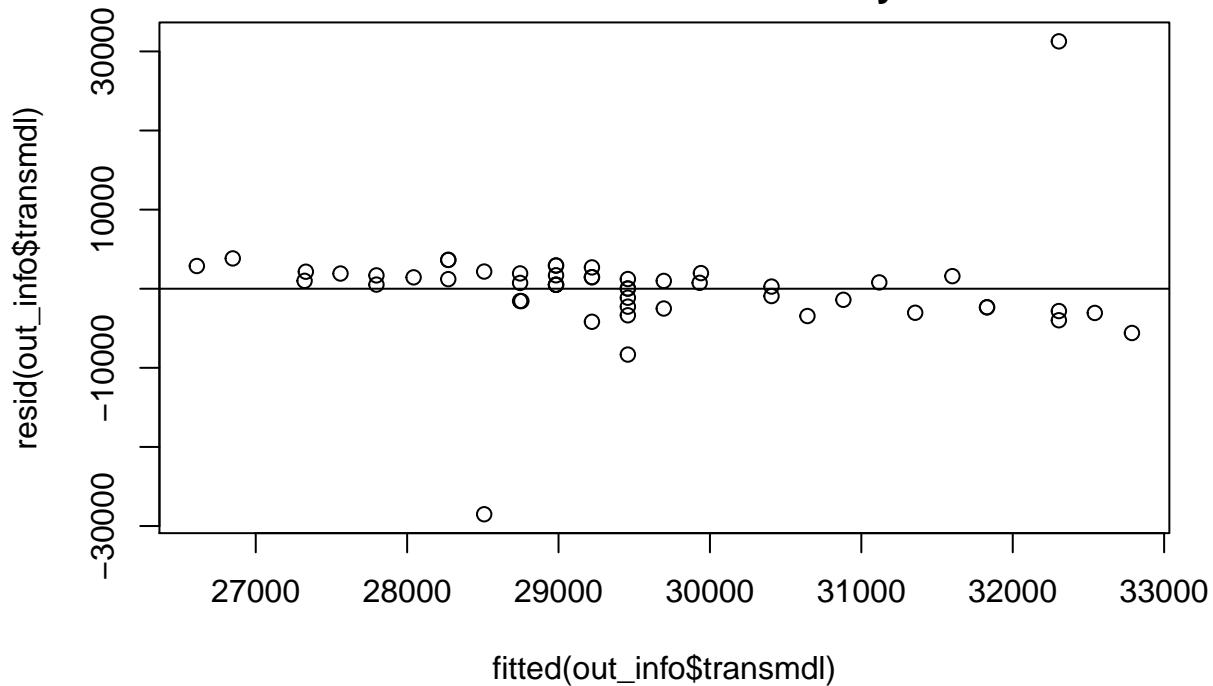
### Normal Q-Q Plot



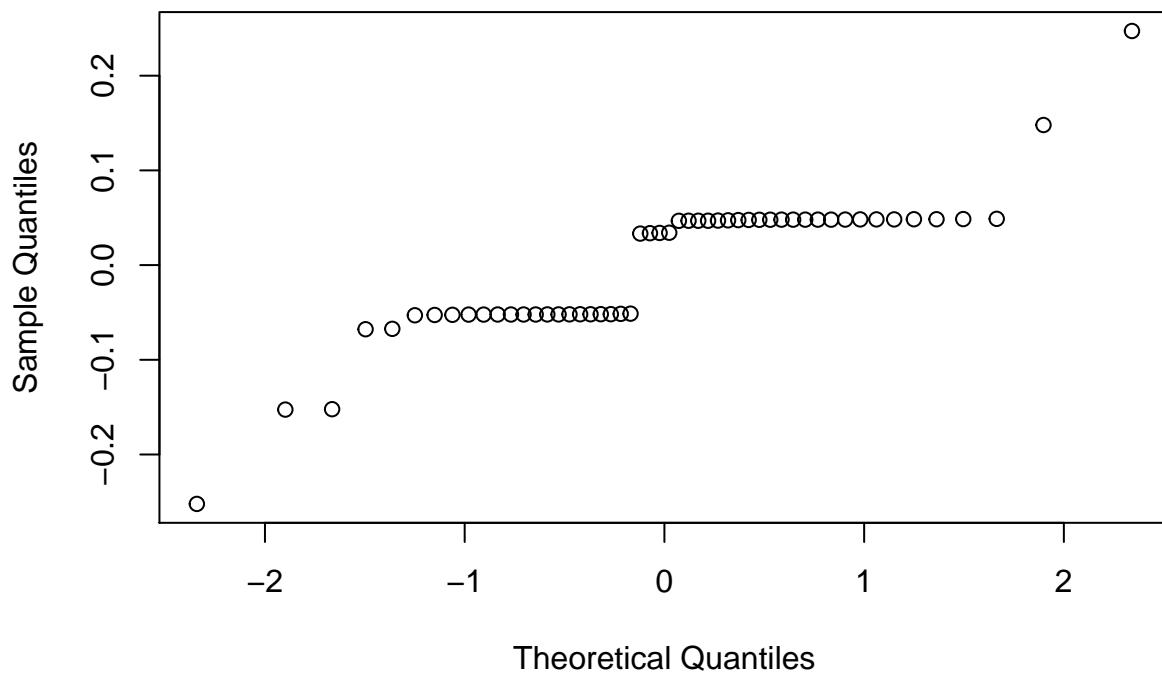
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.num.fireruns  
Plot of PFDEAorigEthnicity**



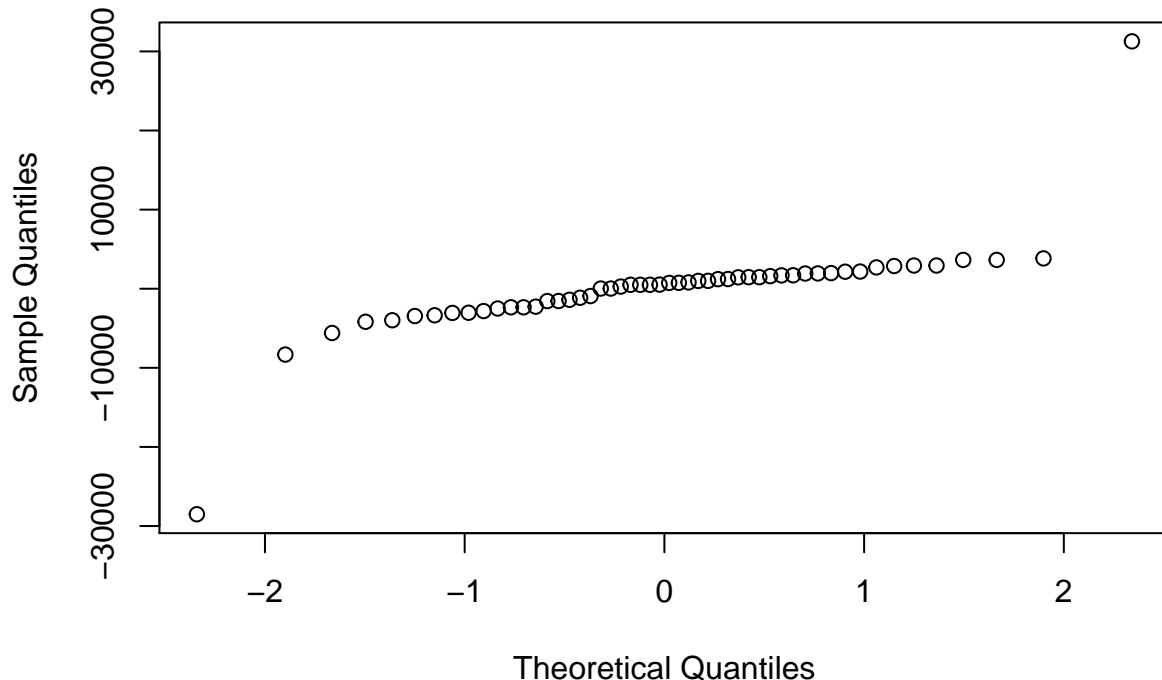
**Plot of PFNAtrans+  
Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**



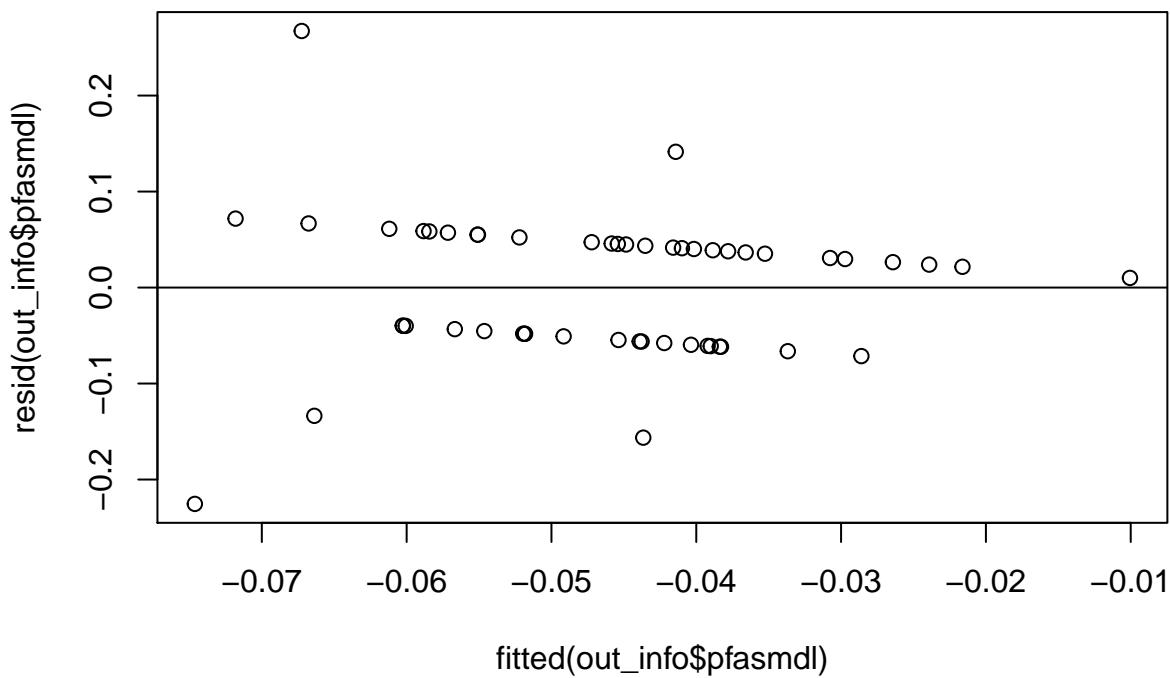
**Normal Q-Q Plot**



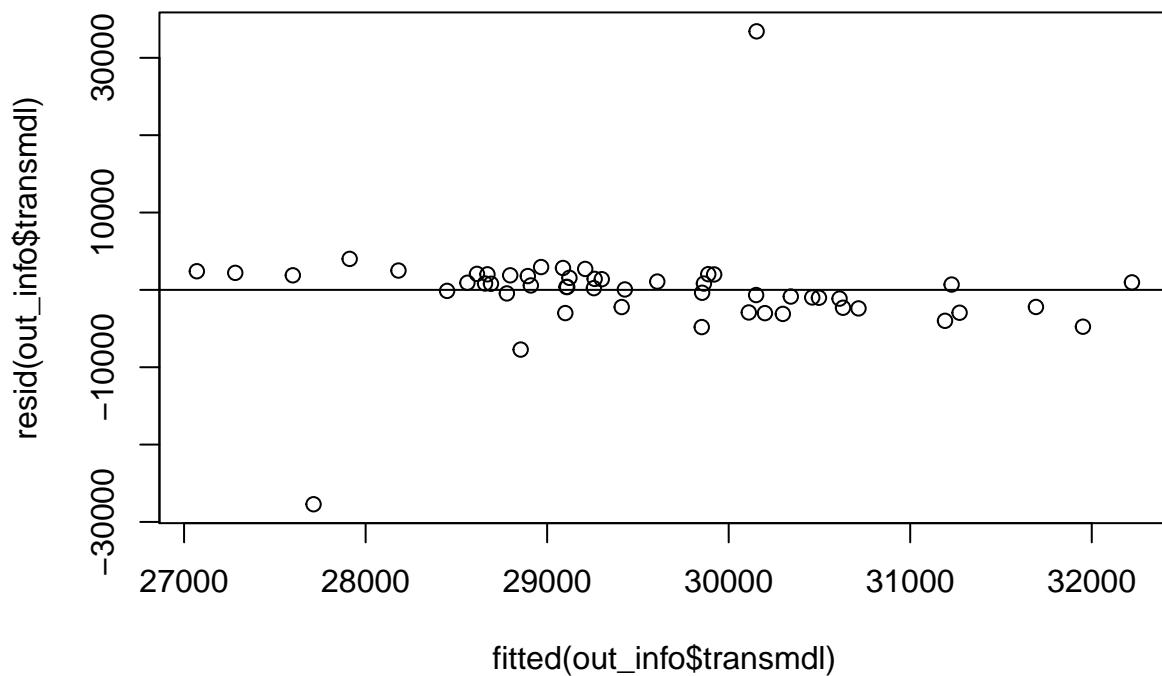
### Normal Q-Q Plot



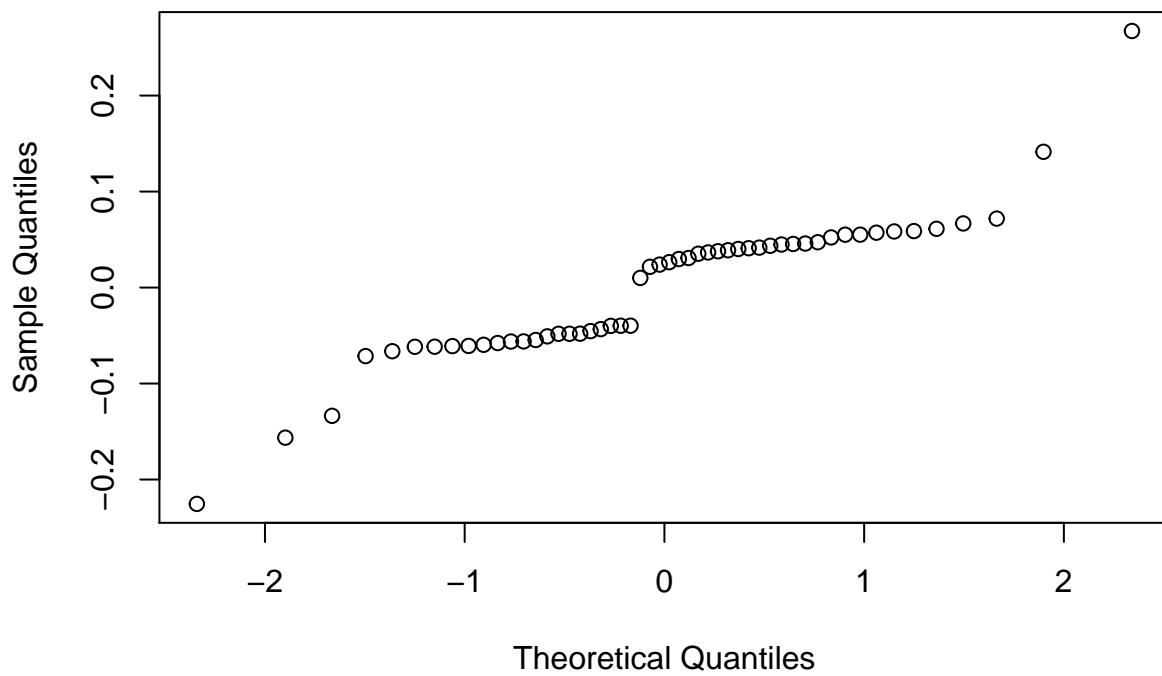
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity**



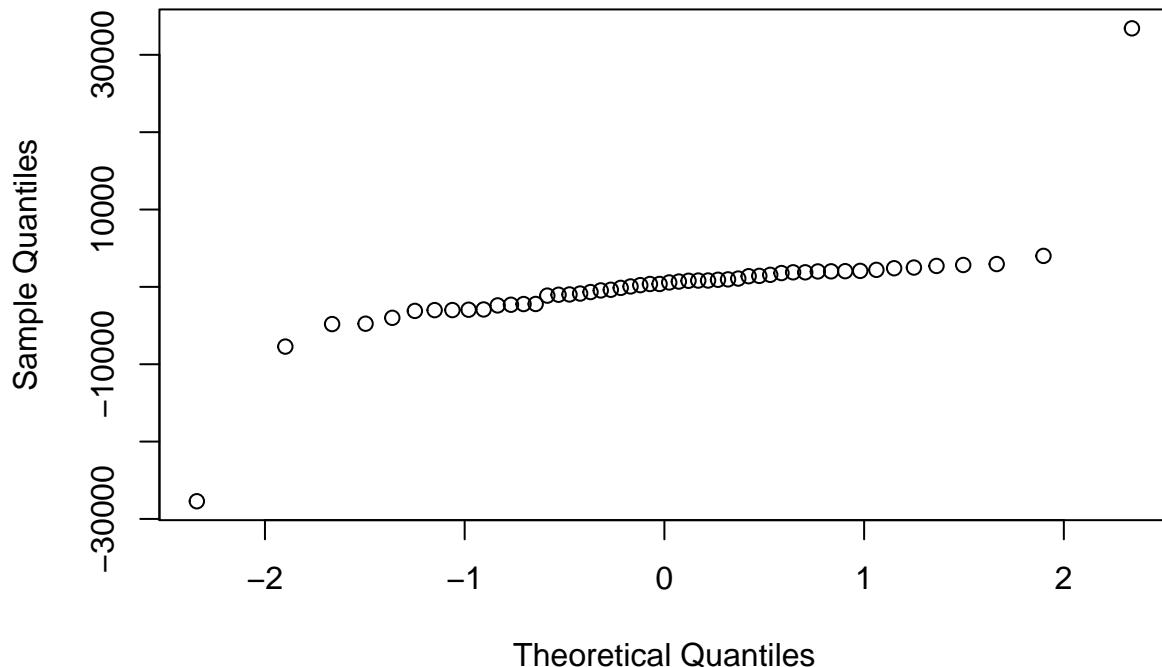
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



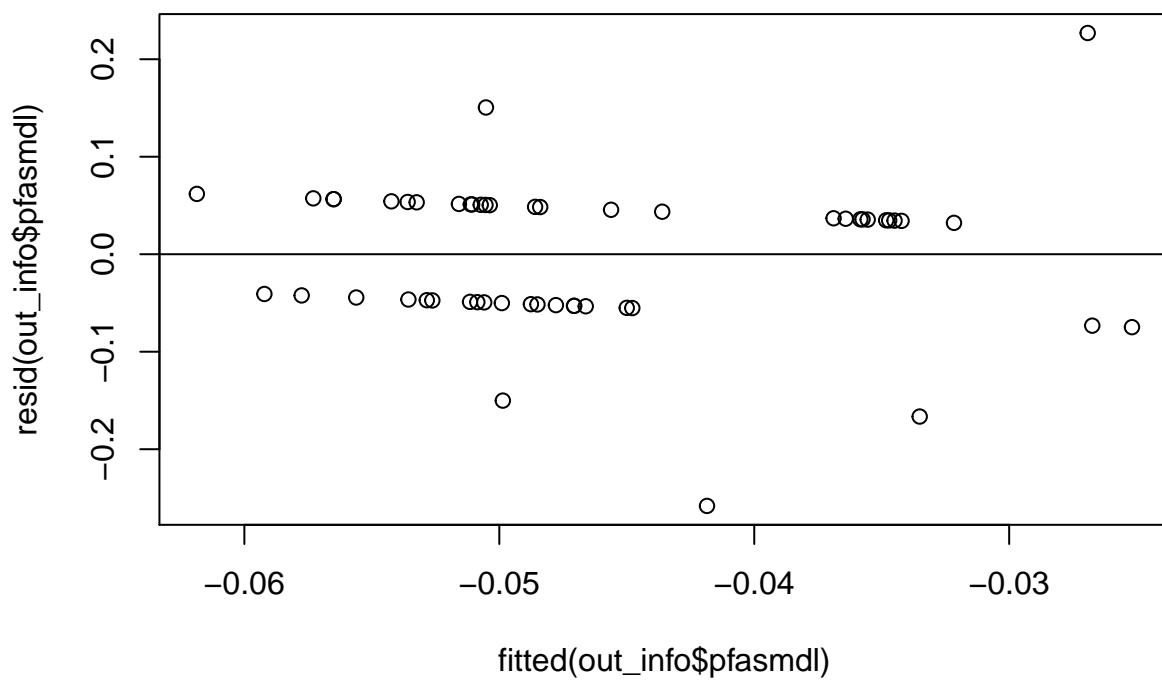
**Normal Q-Q Plot**



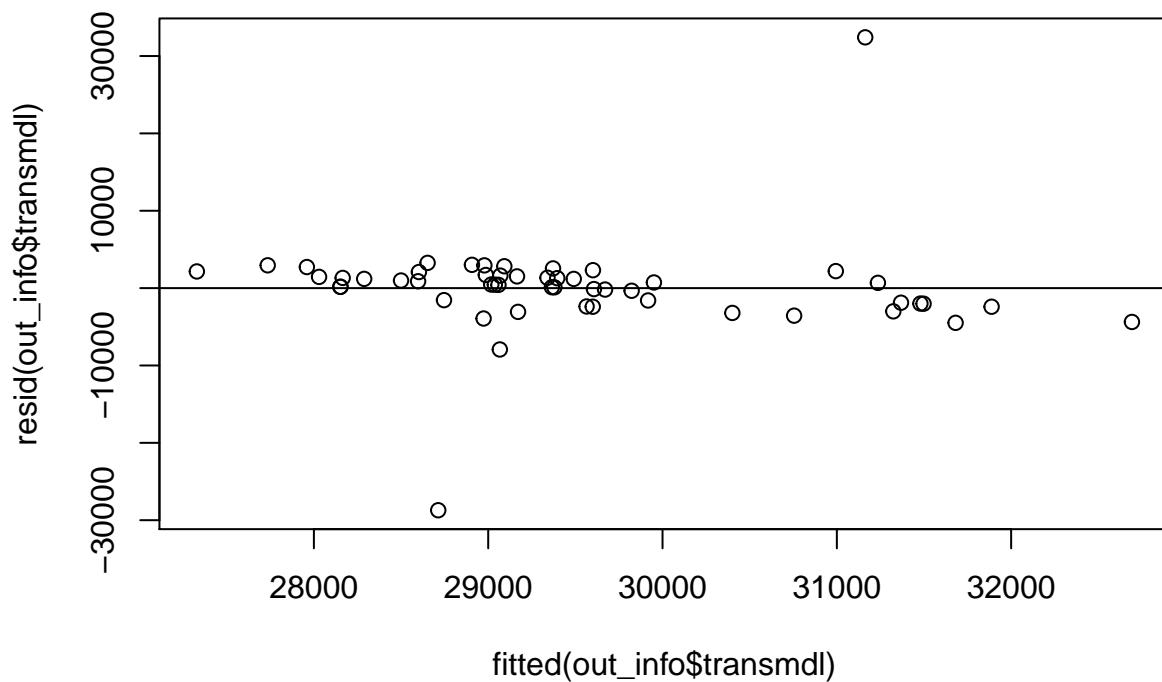
### Normal Q-Q Plot



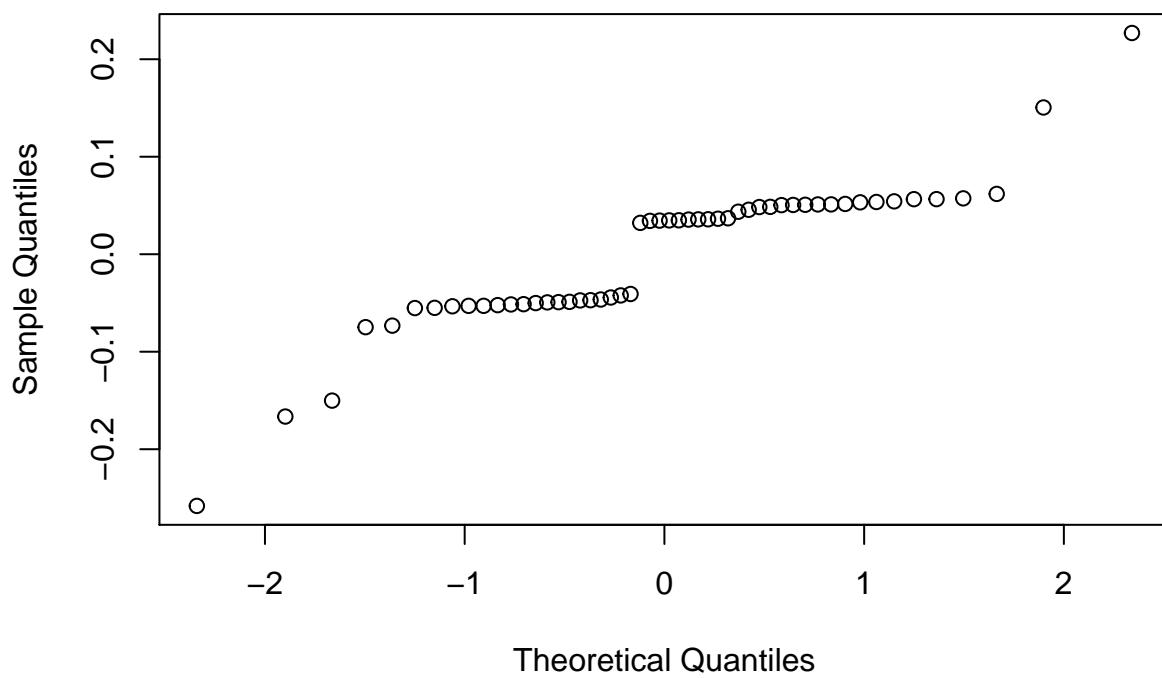
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.duration.hrs  
Plot of PFDEAorigEthnicity**



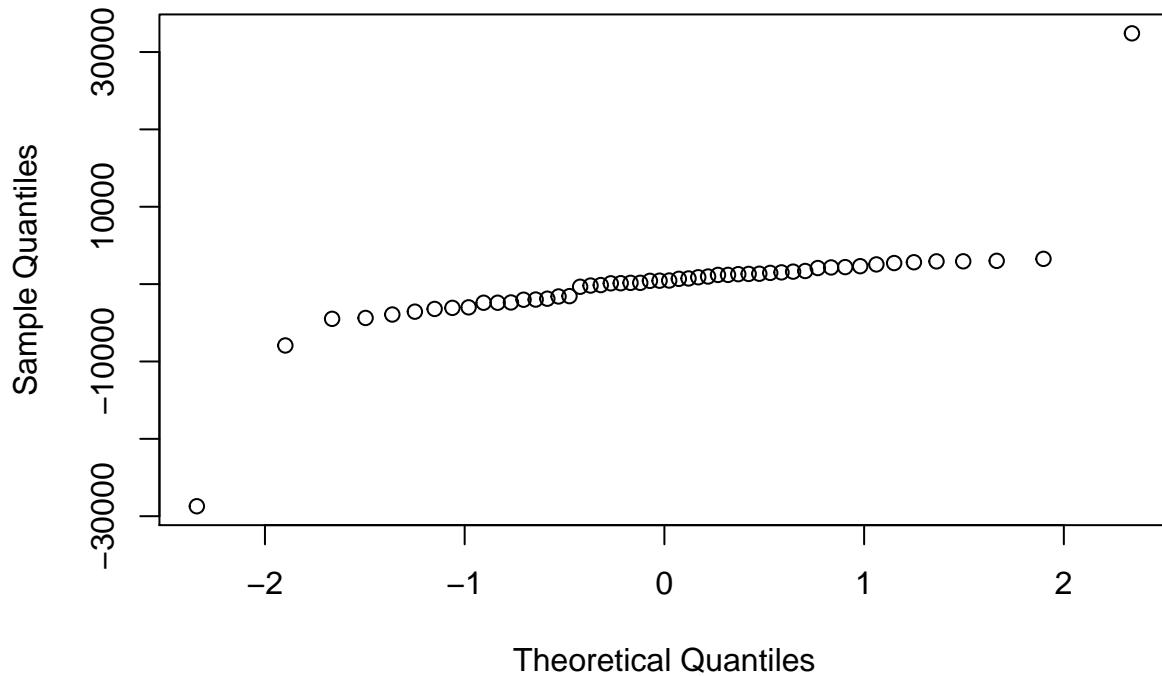
**Plot of PFNAtrans+  
Plot of PFNAtransstr.duration.hrs  
Plot of PFNAtransEthnicity**



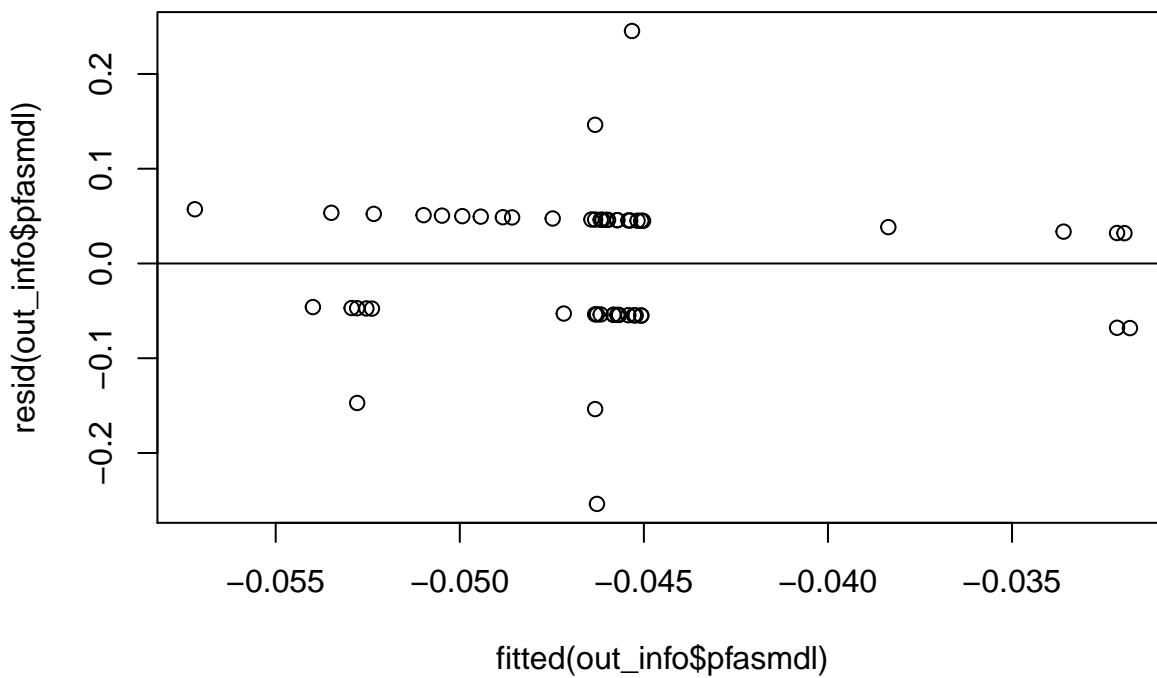
**Normal Q-Q Plot**



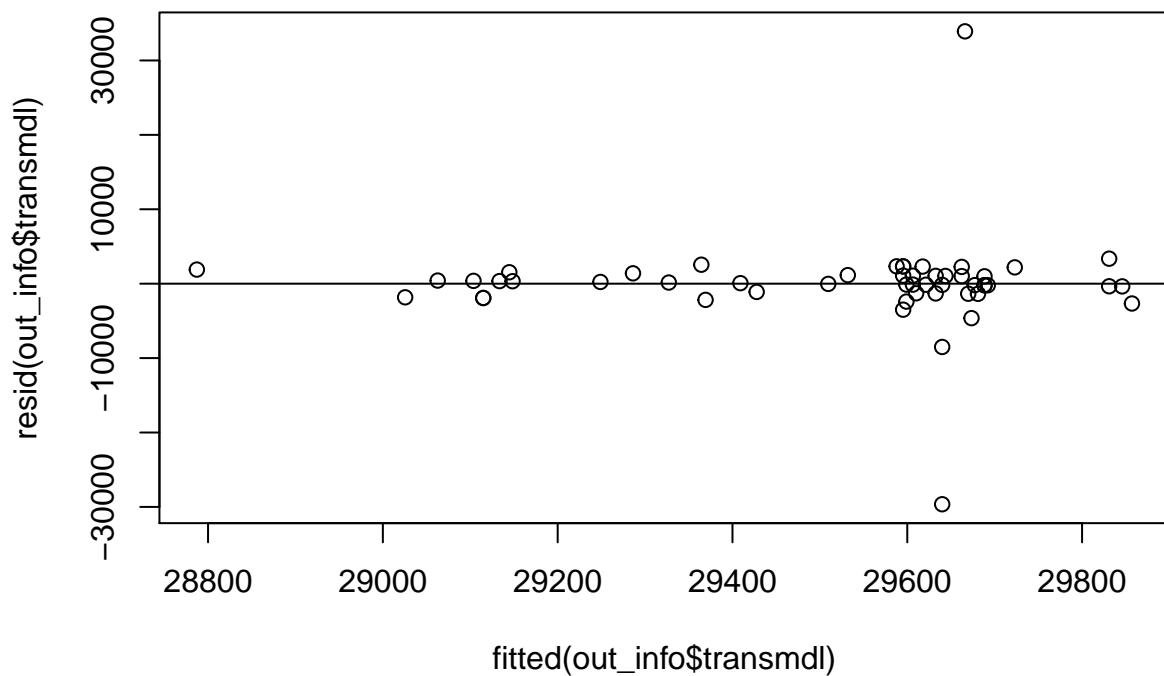
### Normal Q-Q Plot



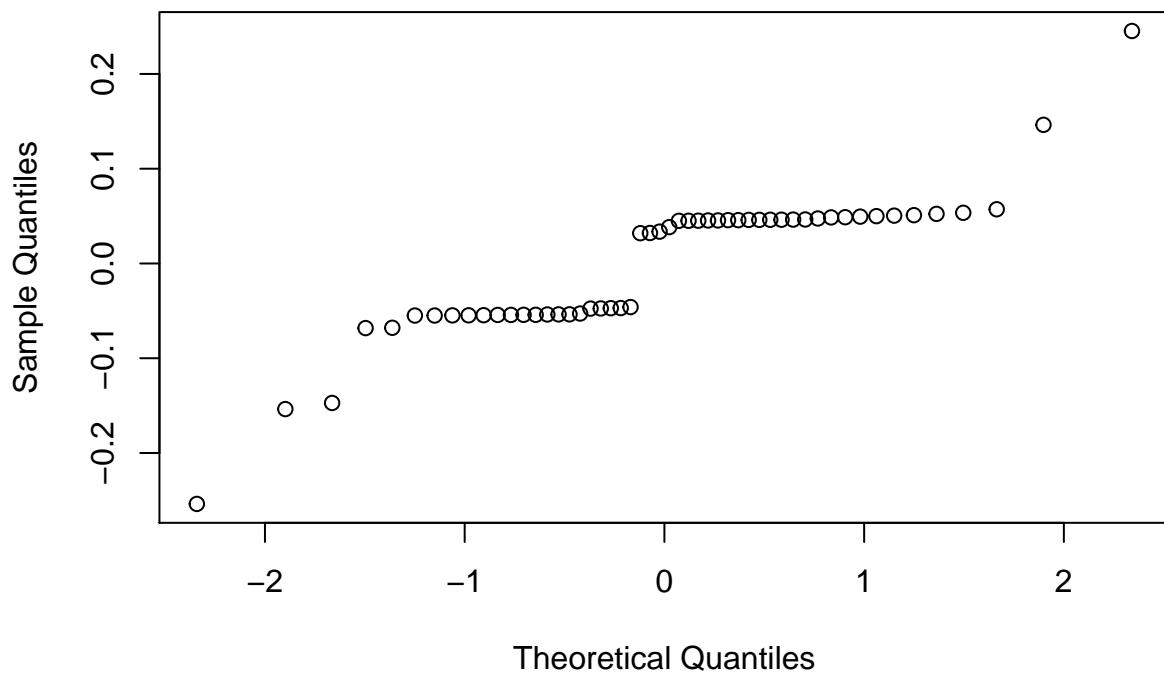
**Plot of PFDEAorig+  
Plot of PFDEAorigdays.since.MRF  
Plot of PFDEAorigEthnicity**



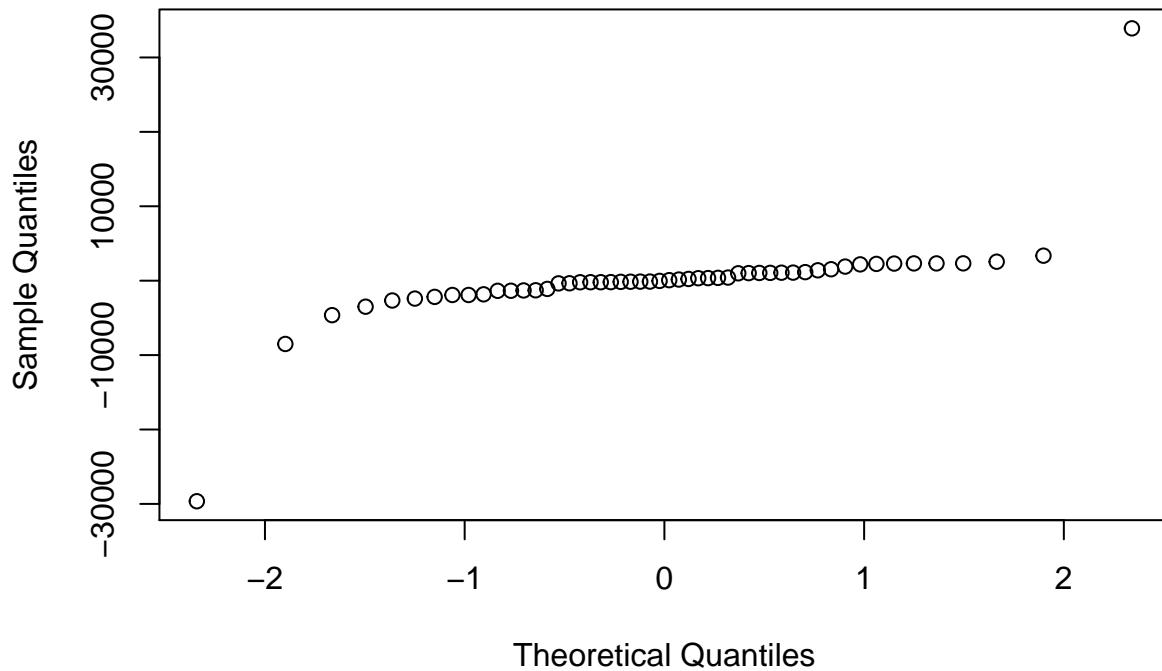
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



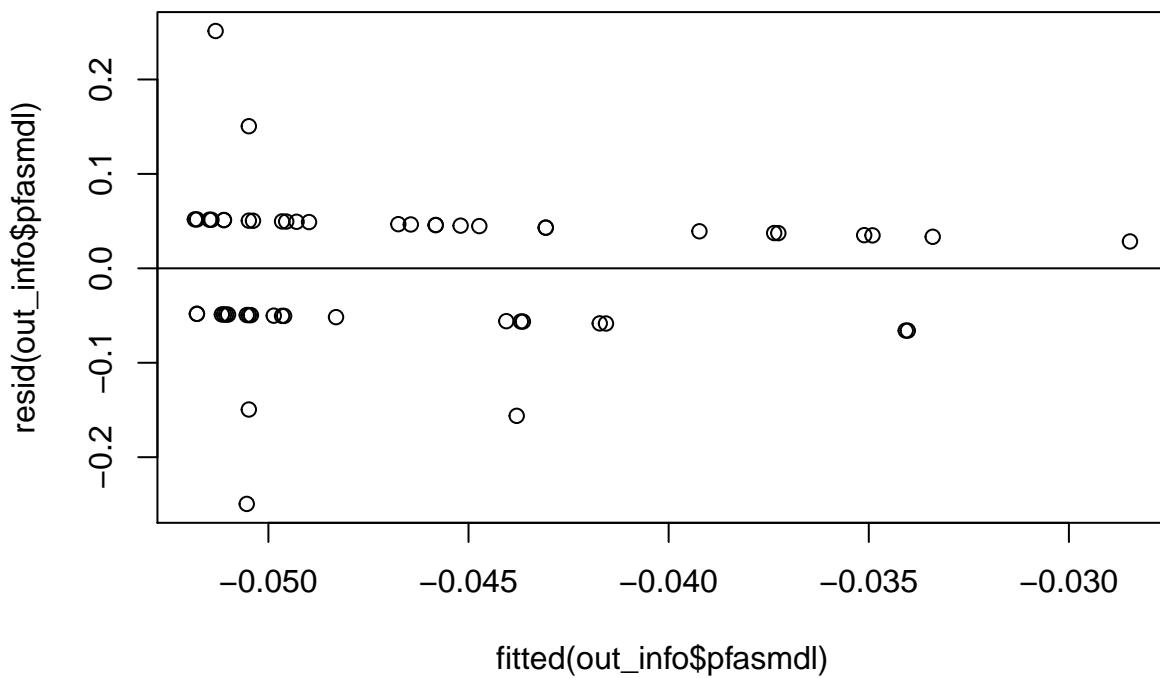
**Normal Q-Q Plot**



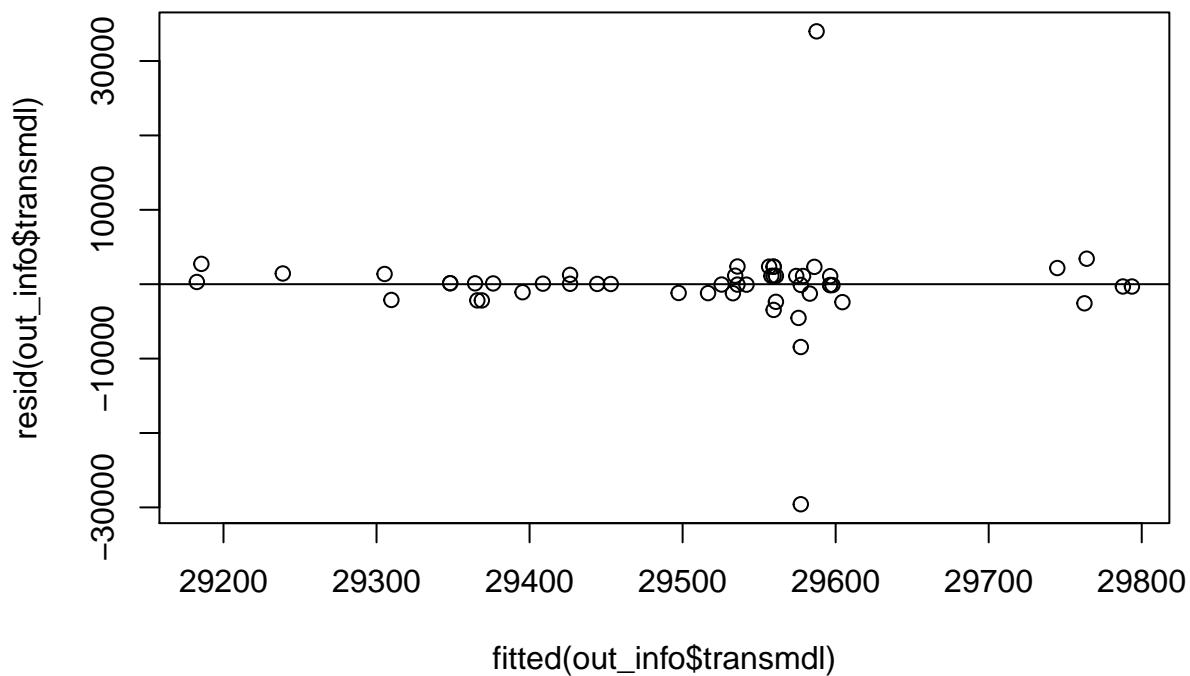
### Normal Q-Q Plot



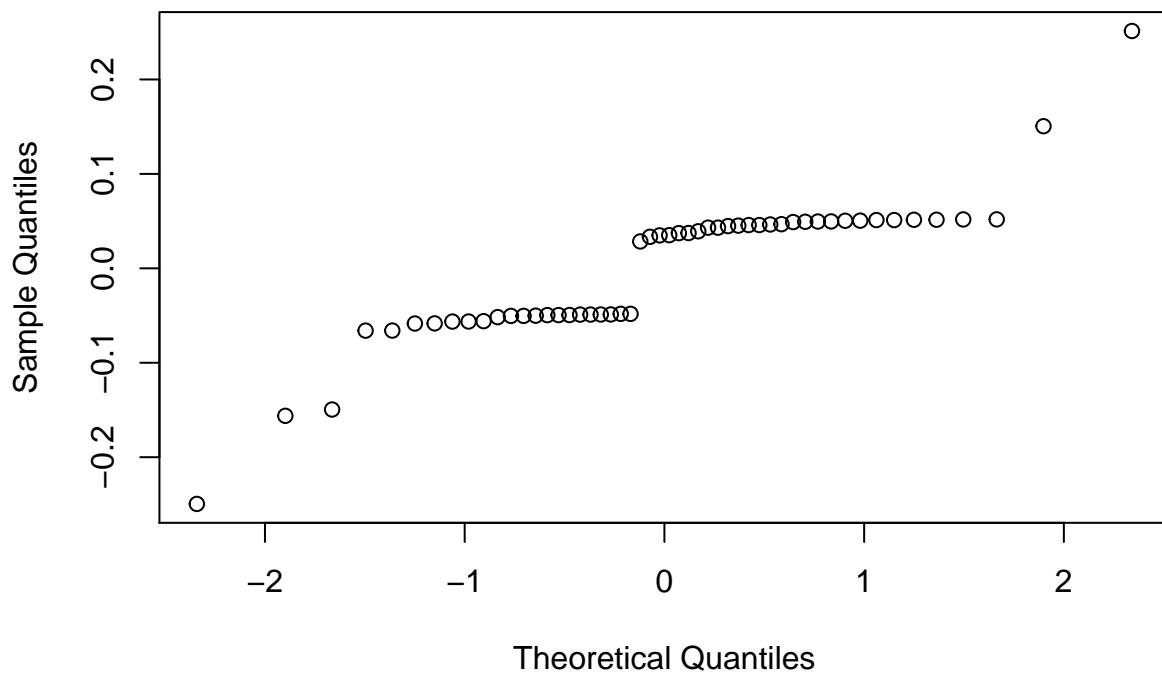
Plot of PFDEAorig+  
Plot of PFDEAorigdays.since.struc.MRF  
Plot of PFDEAorigEthnicity



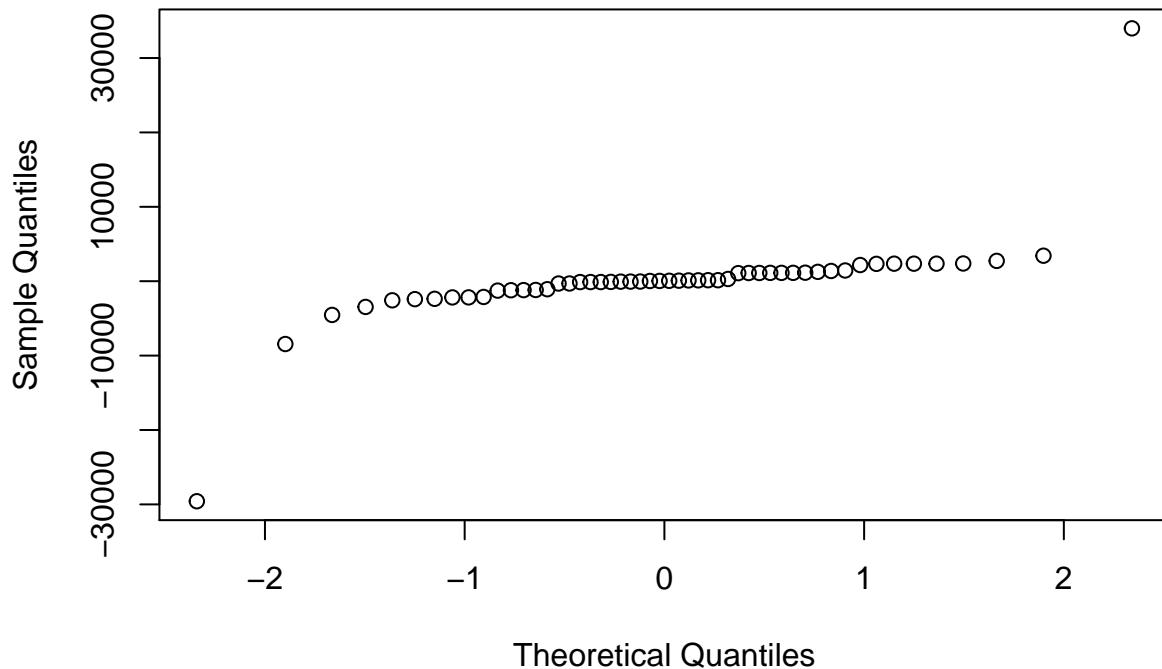
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.struc.MRF  
Plot of PFNAtransEthnicity**



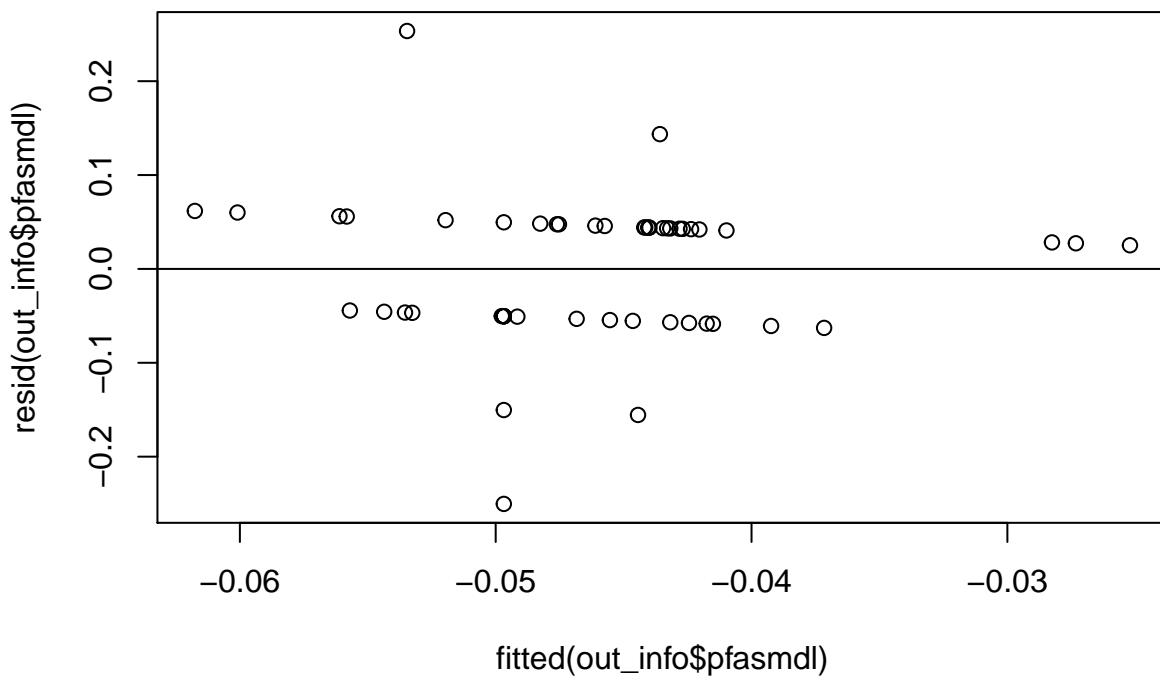
**Normal Q-Q Plot**



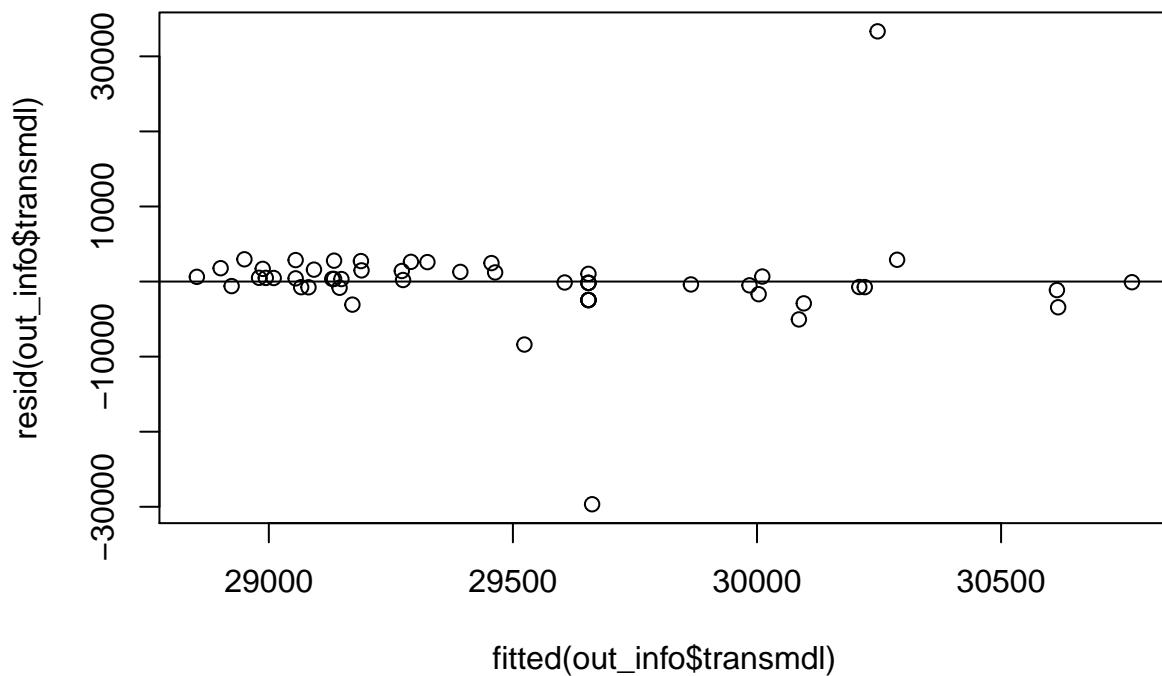
### Normal Q-Q Plot



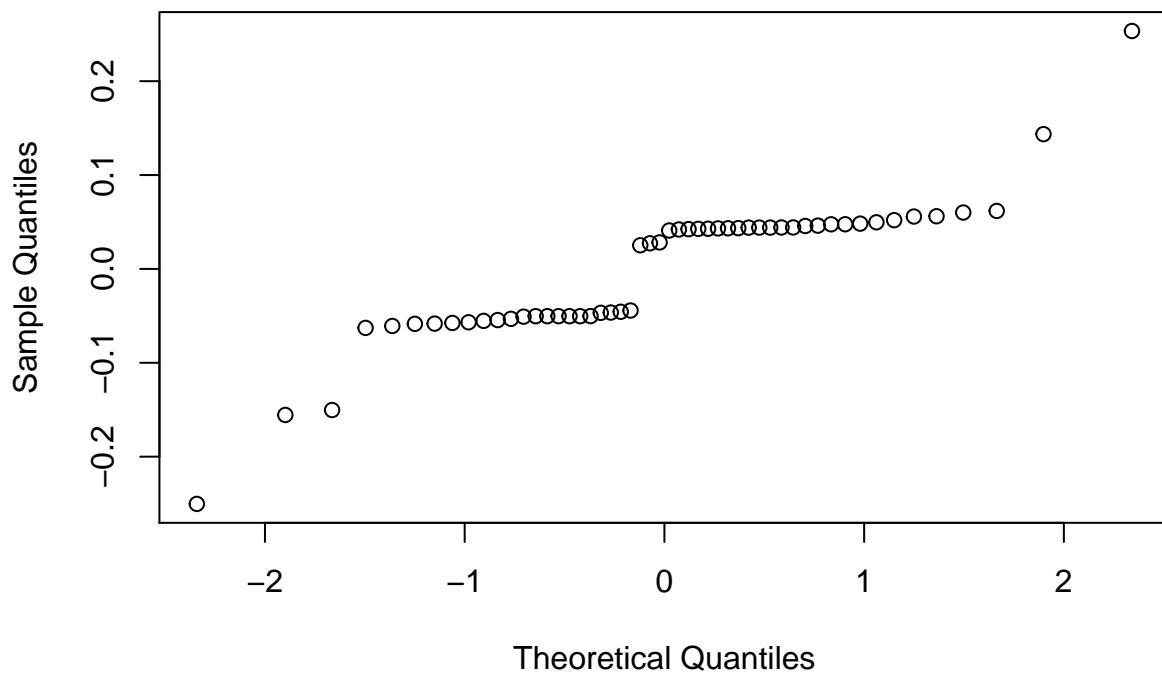
**Plot of PFDEAorig+  
Plot of PFDEAorigtime.since.baseline  
Plot of PFDEAorigEthnicity**



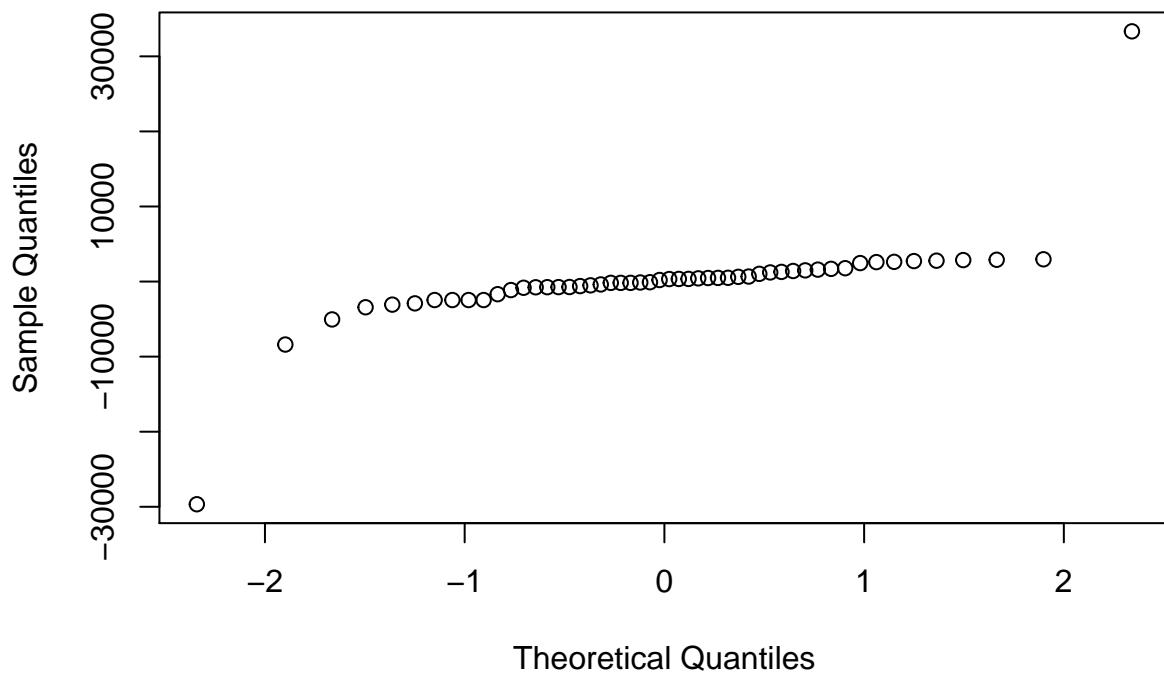
**Plot of PFNAtrans+  
Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



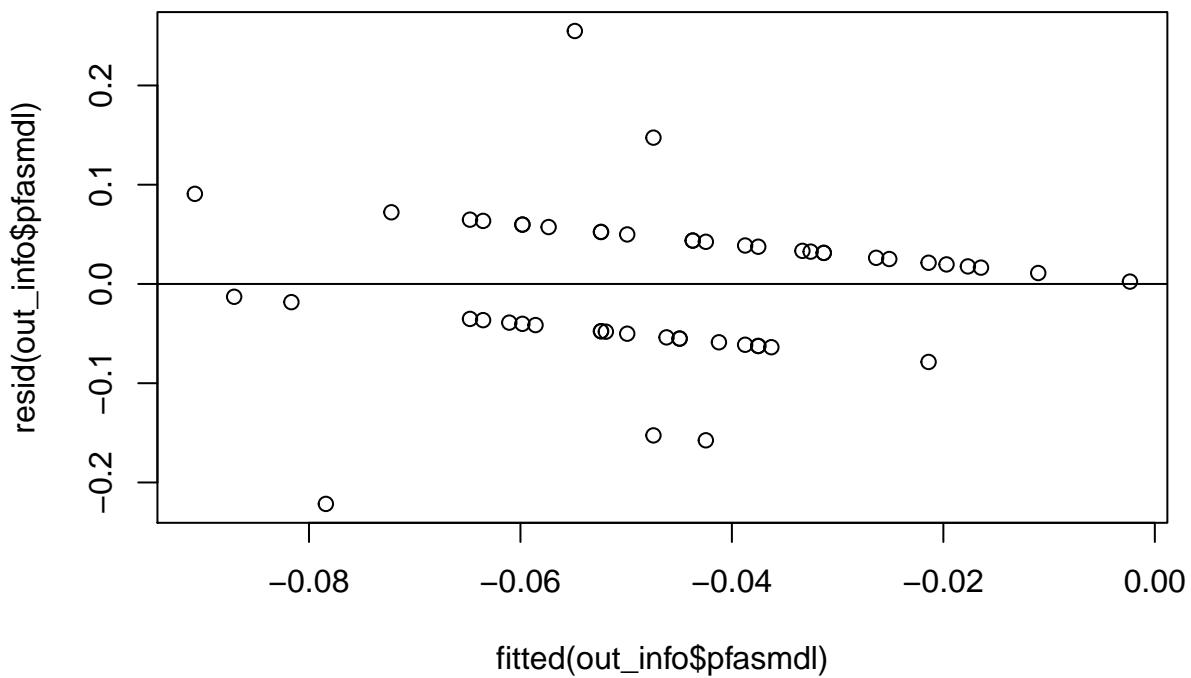
**Normal Q-Q Plot**



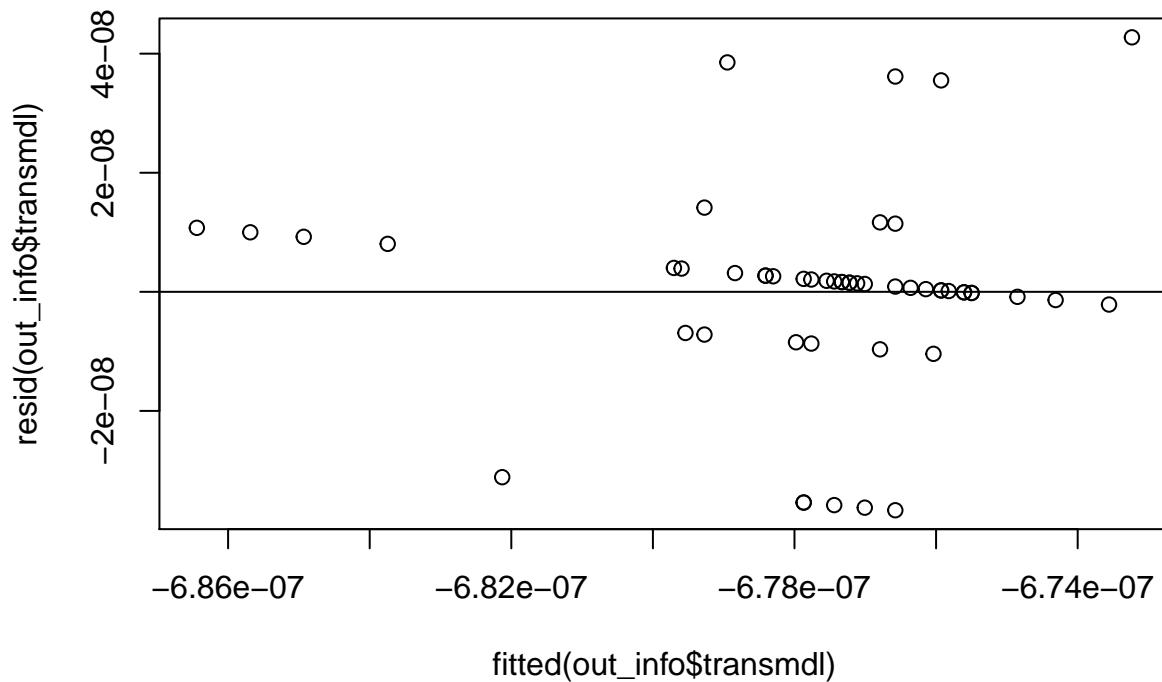
### Normal Q-Q Plot



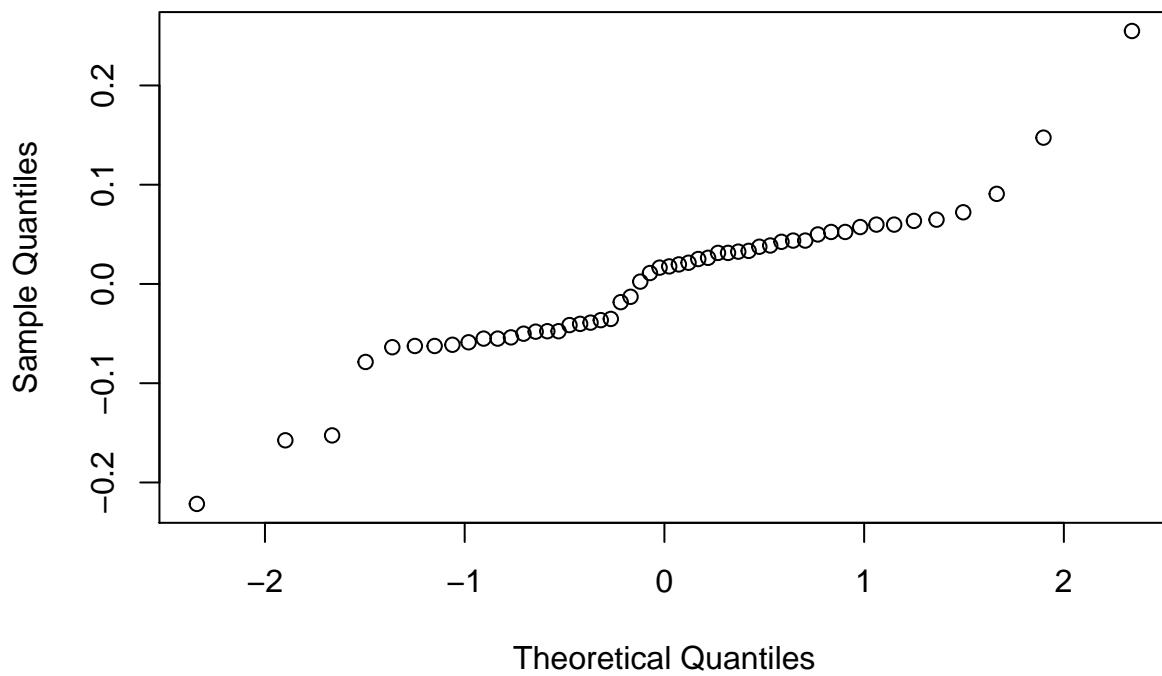
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity**



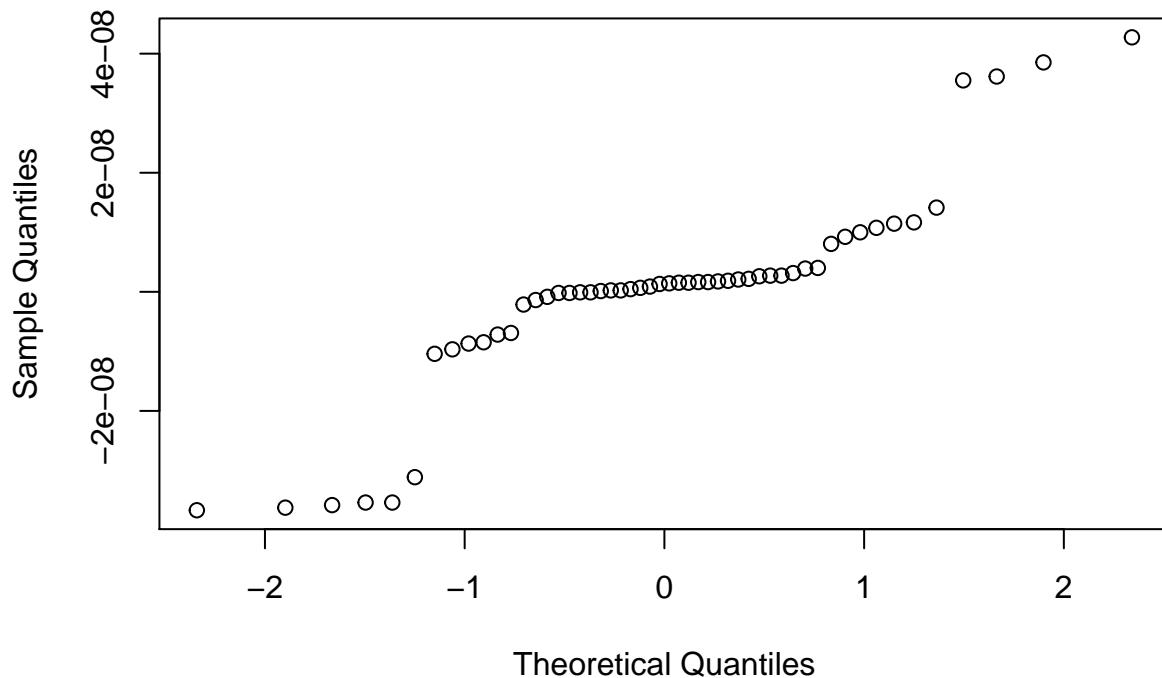
**Plot of PFUATrans+  
Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**



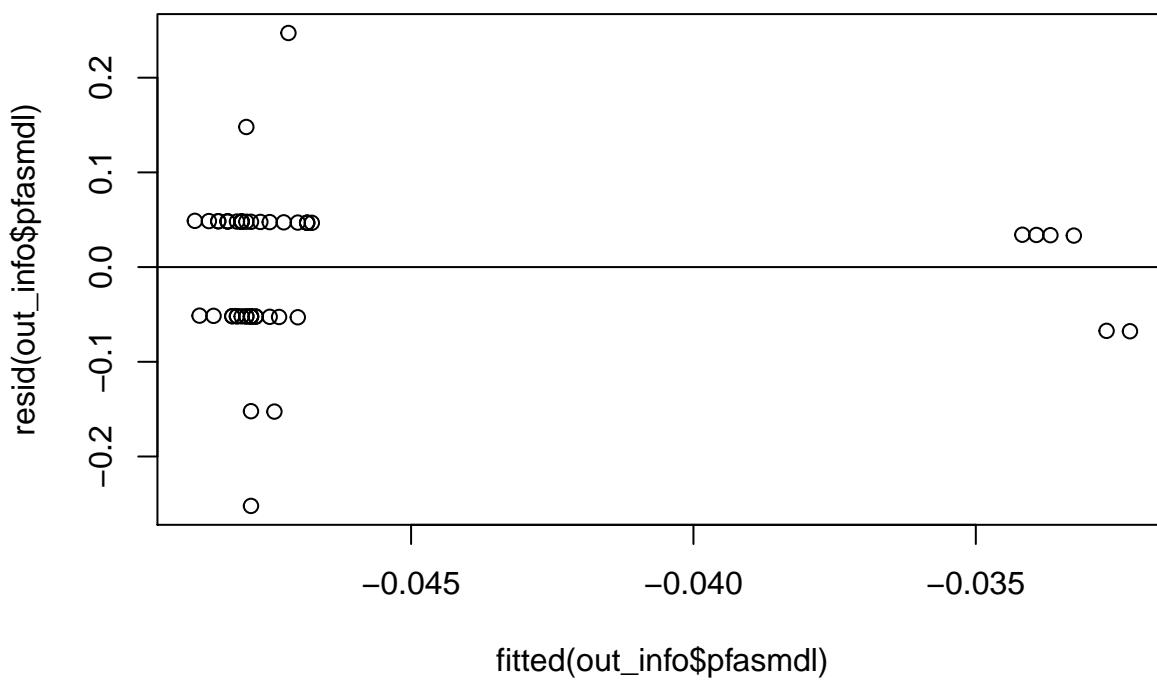
**Normal Q-Q Plot**



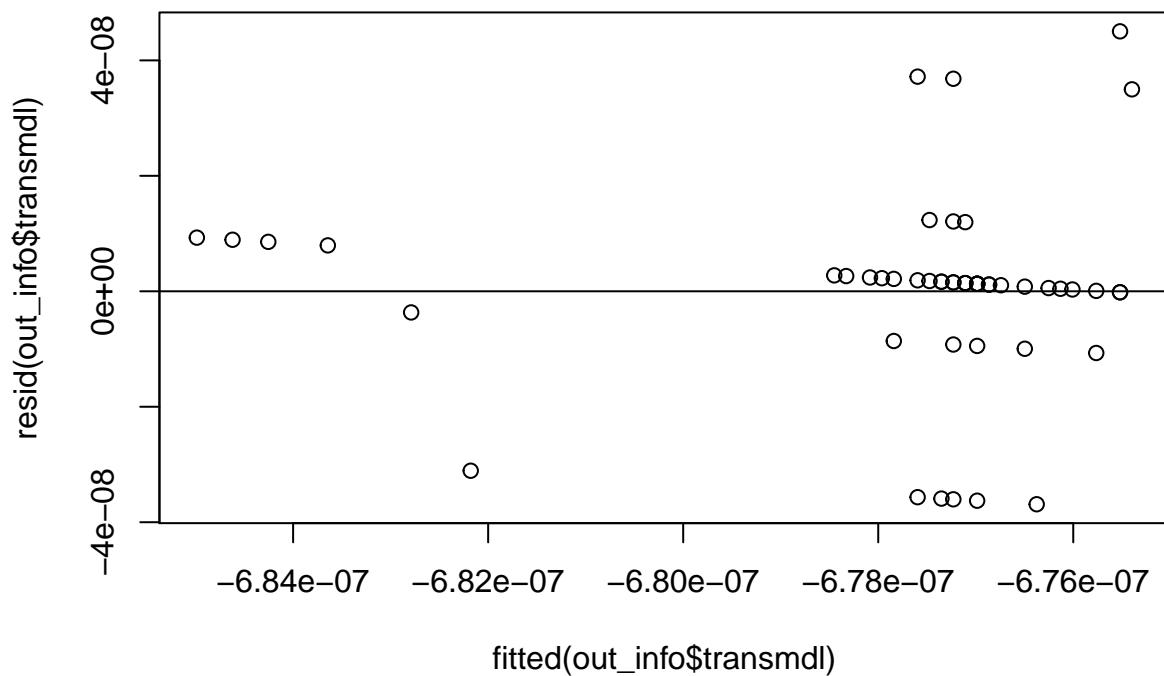
### Normal Q-Q Plot



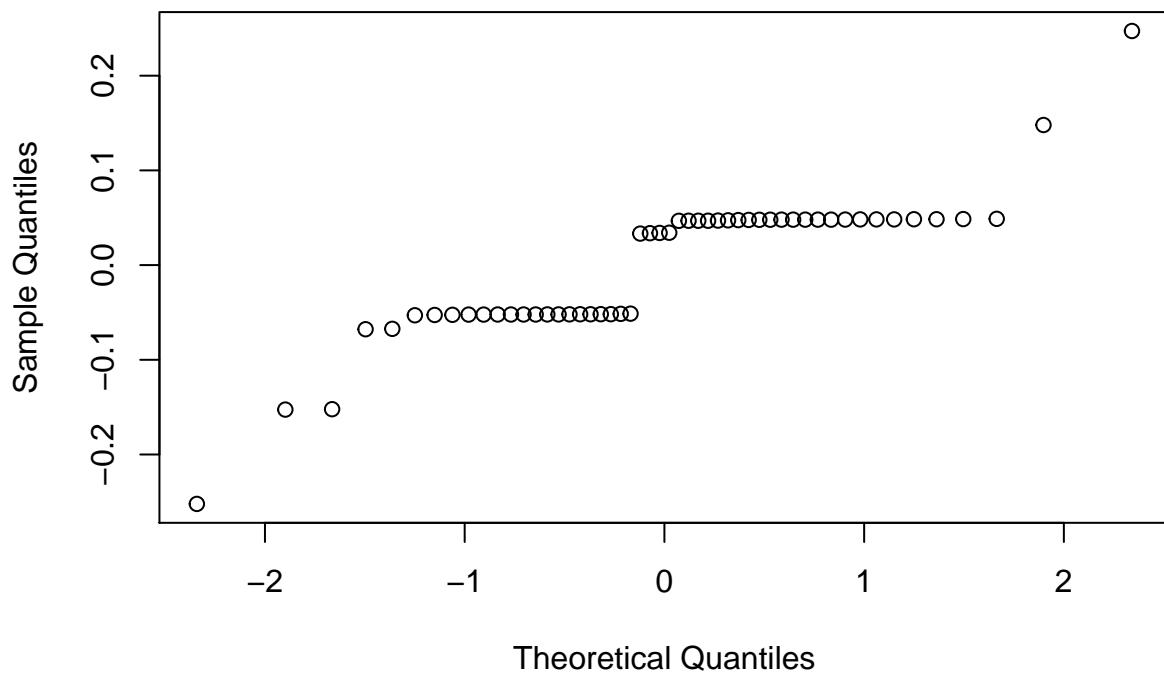
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.num.fireruns  
Plot of PFDEAorigEthnicity**



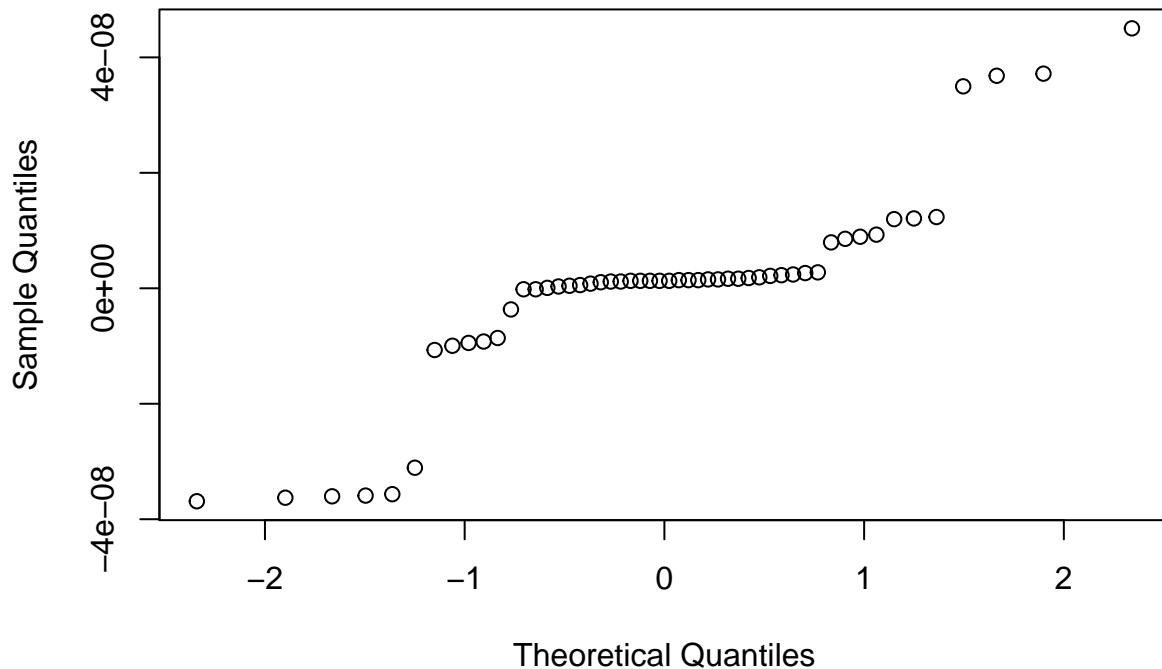
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



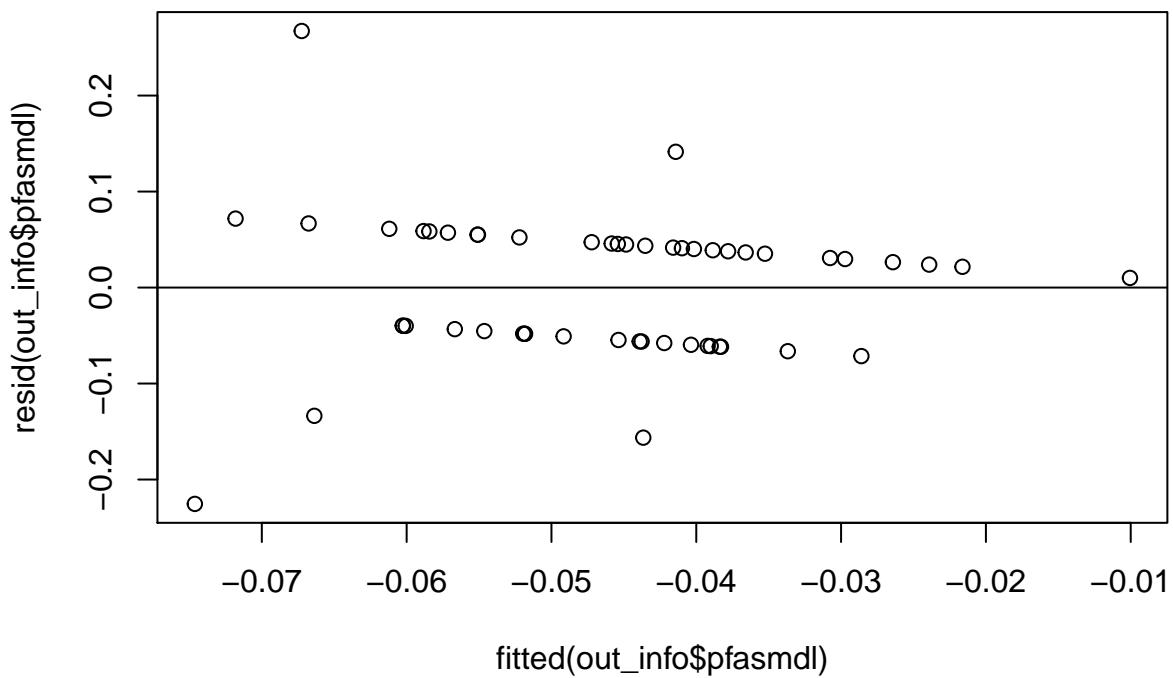
**Normal Q-Q Plot**



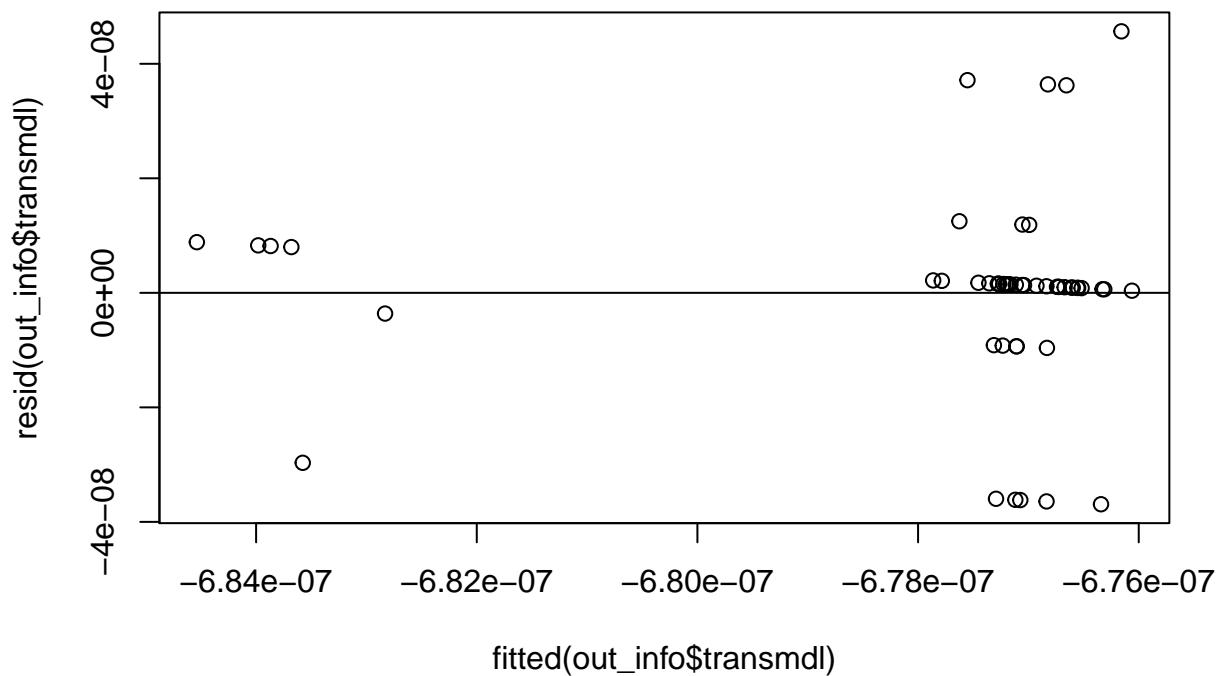
### Normal Q-Q Plot



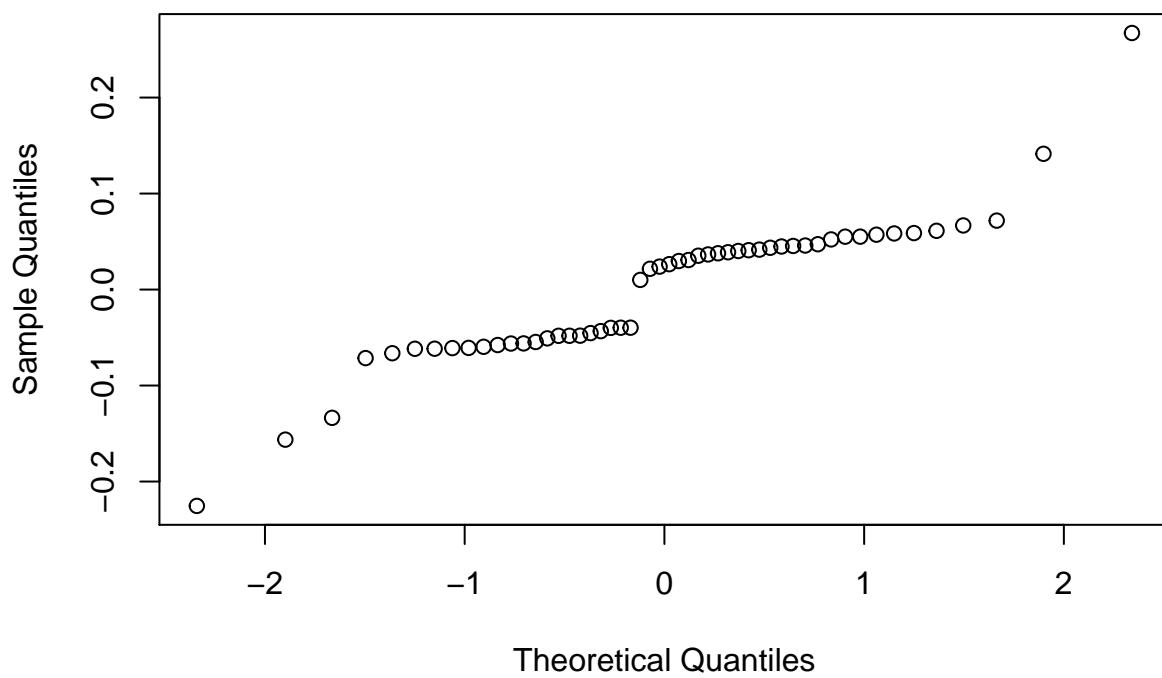
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity**



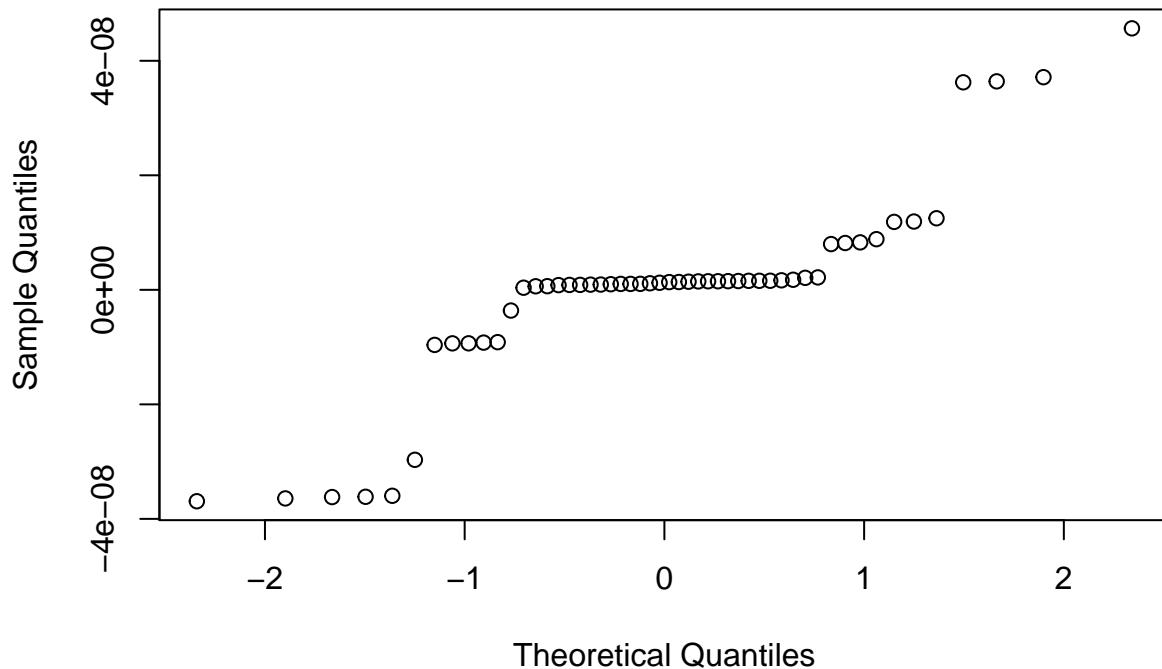
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



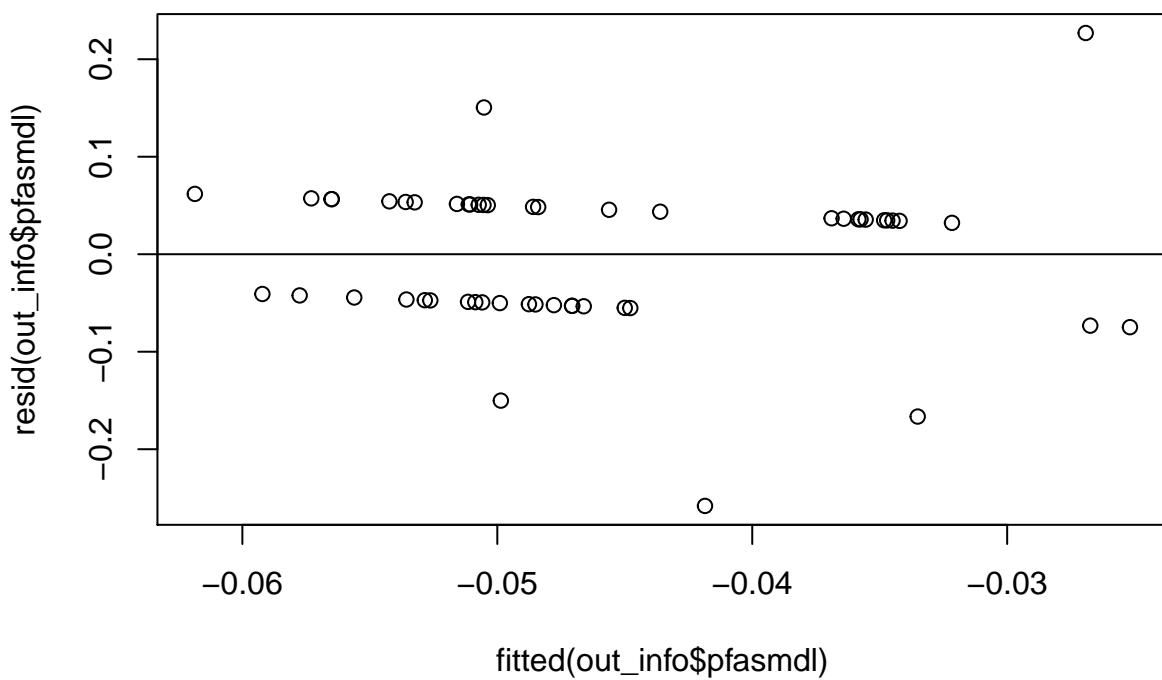
**Normal Q-Q Plot**



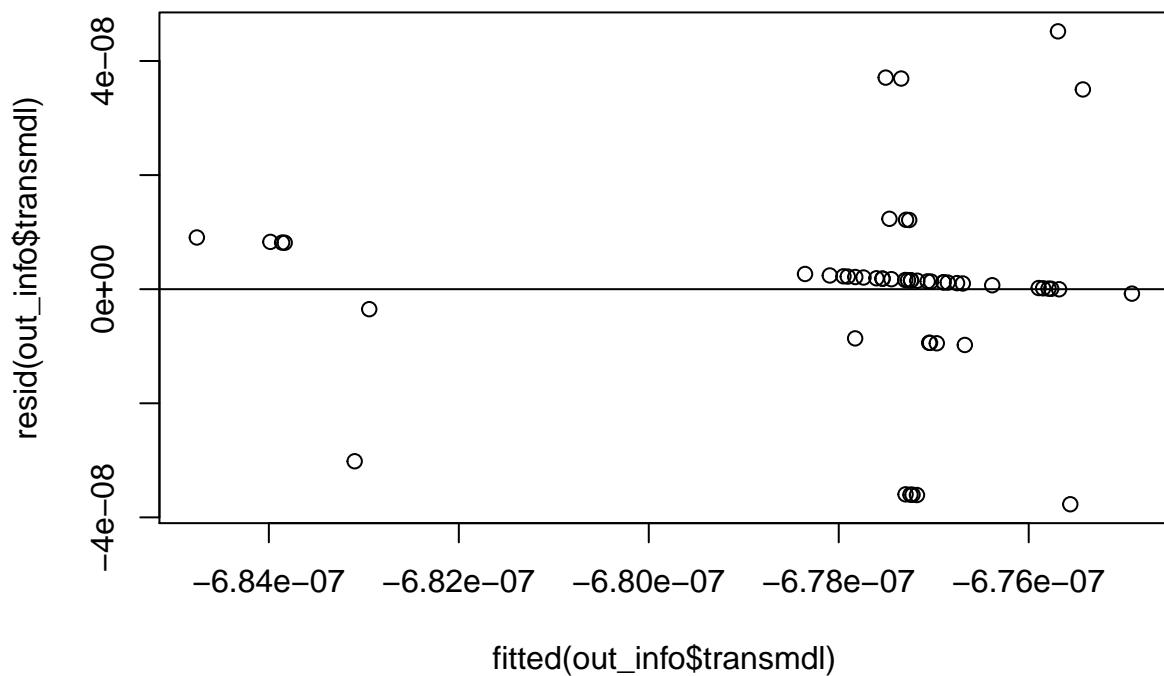
### Normal Q-Q Plot



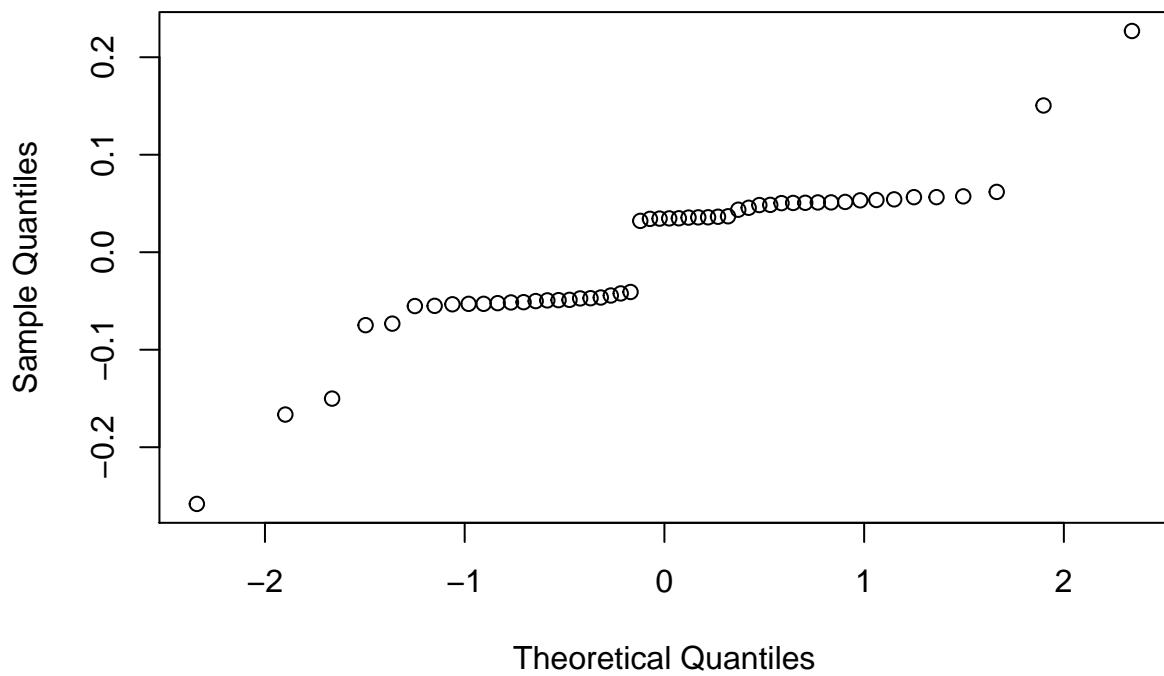
Plot of PFDEAorig+  
Plot of PFDEAorigstr.duration.hrs  
Plot of PFDEAorigEthnicity



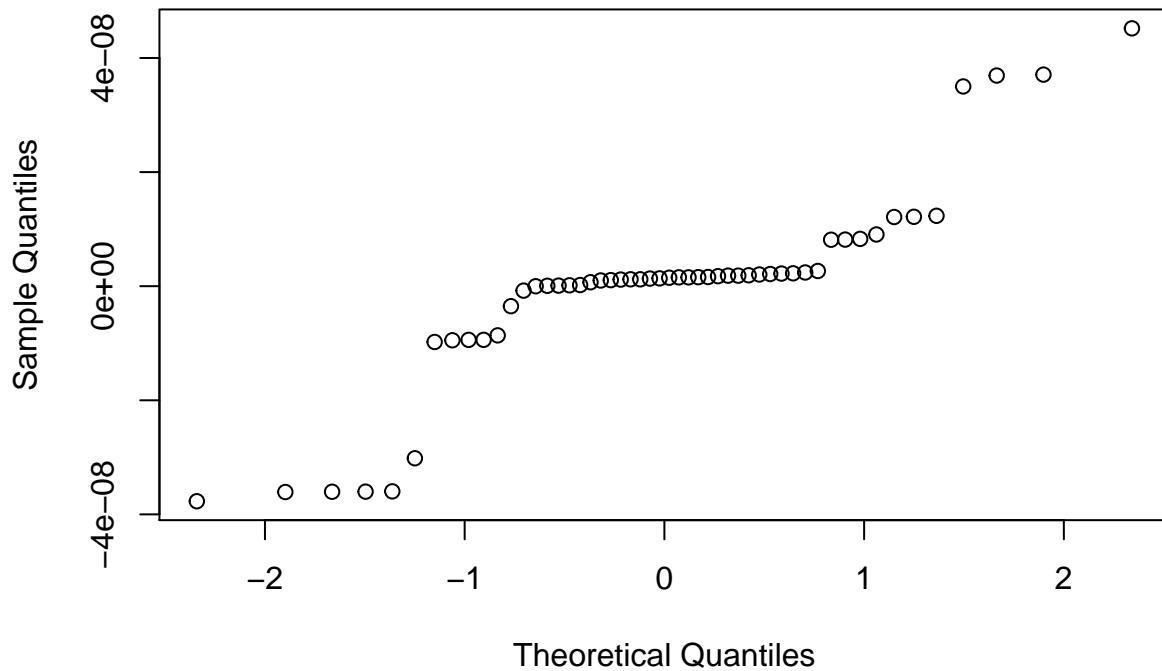
**Plot of PFUATrans+  
Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



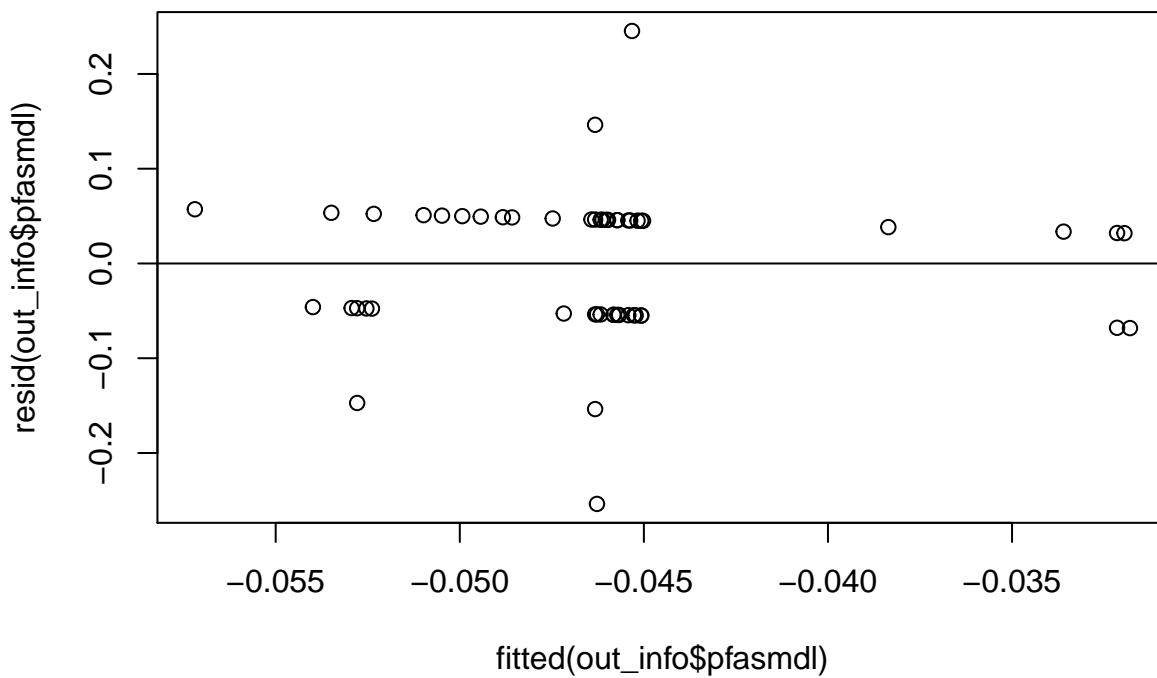
**Normal Q-Q Plot**



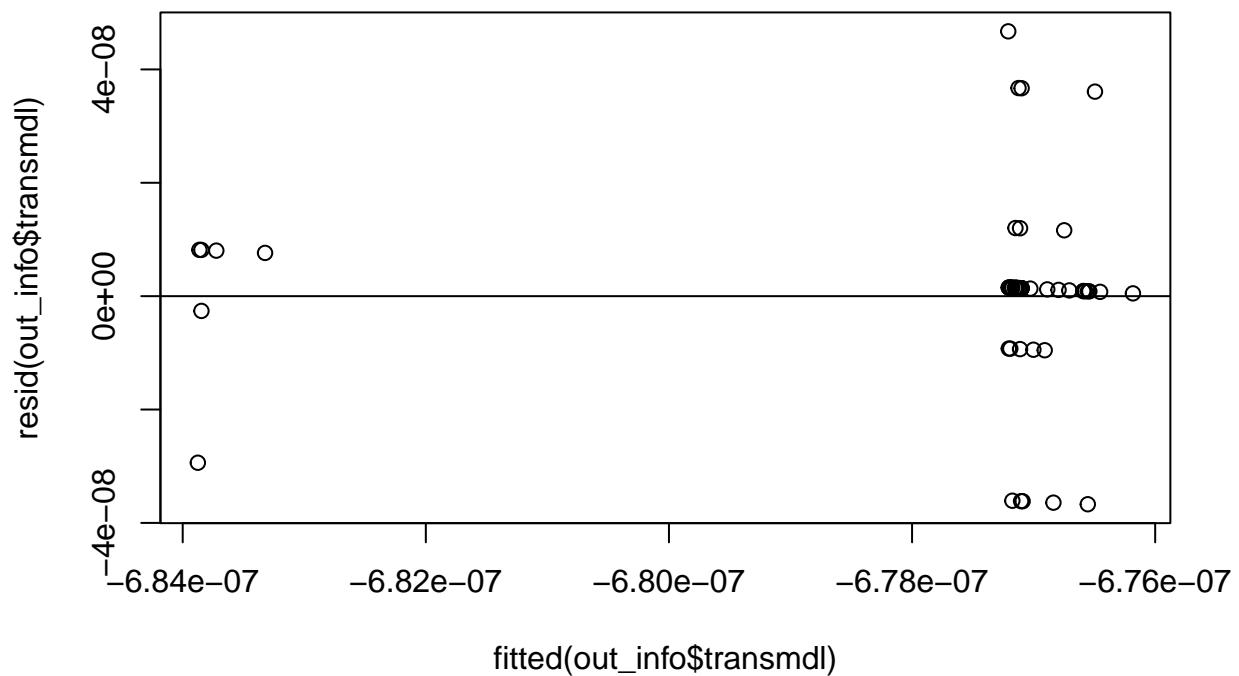
### Normal Q-Q Plot



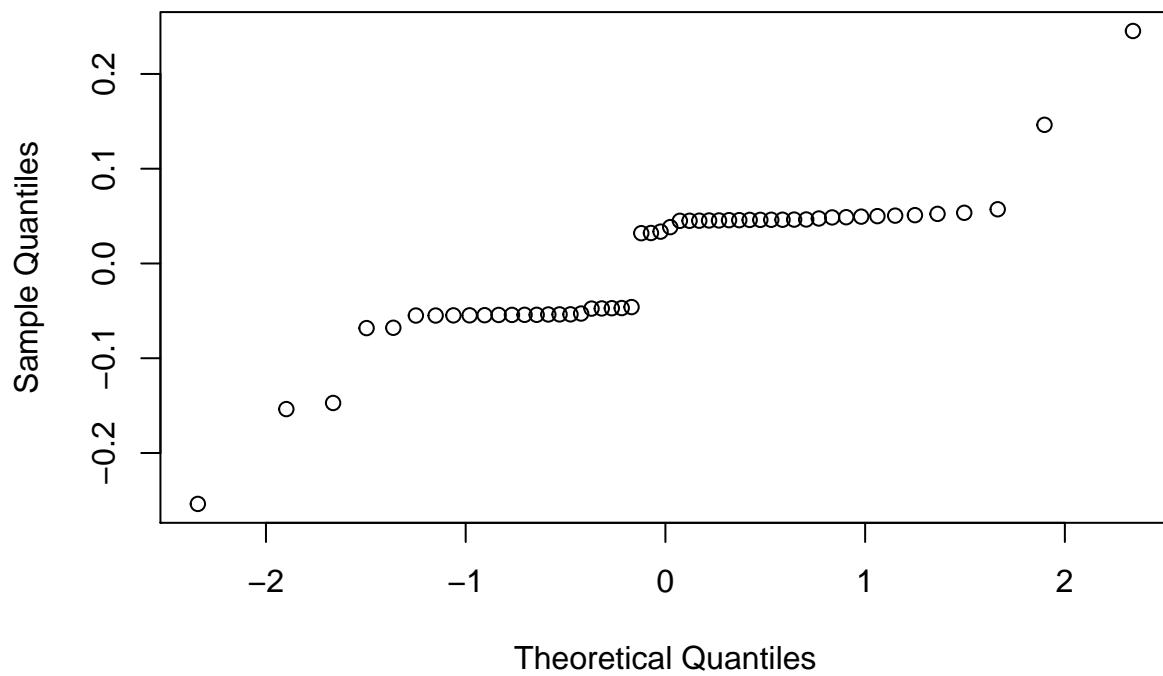
**Plot of PFDEAorig+  
Plot of PFDEAorigdays.since.MRF  
Plot of PFDEAorigEthnicity**



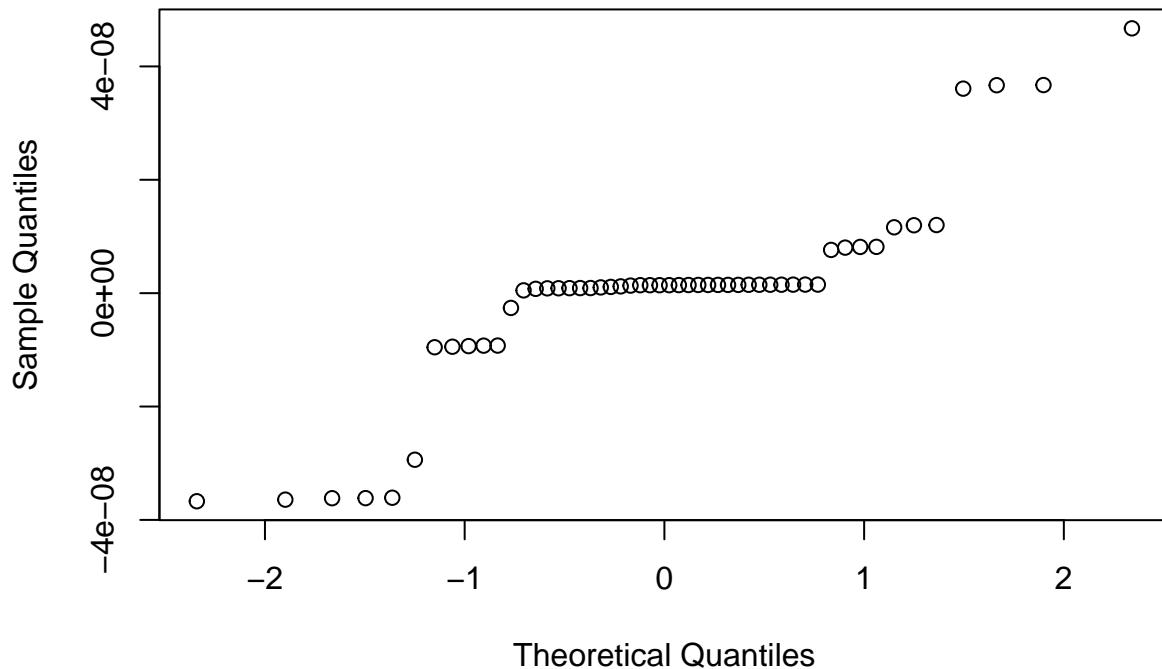
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



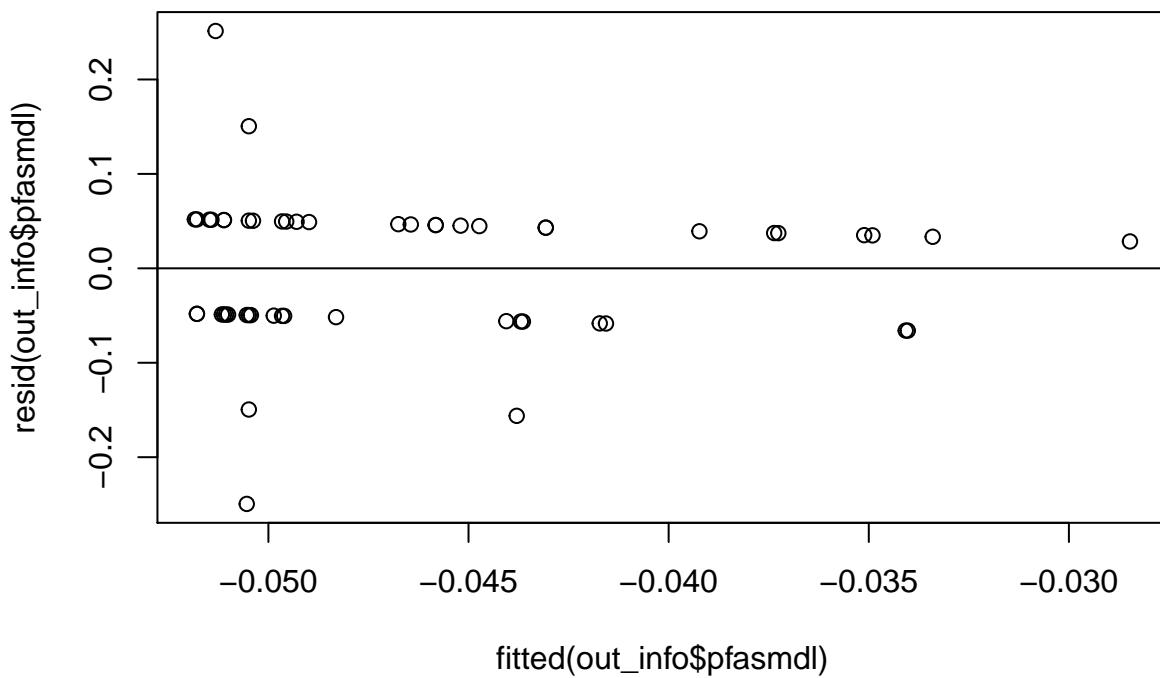
**Normal Q-Q Plot**



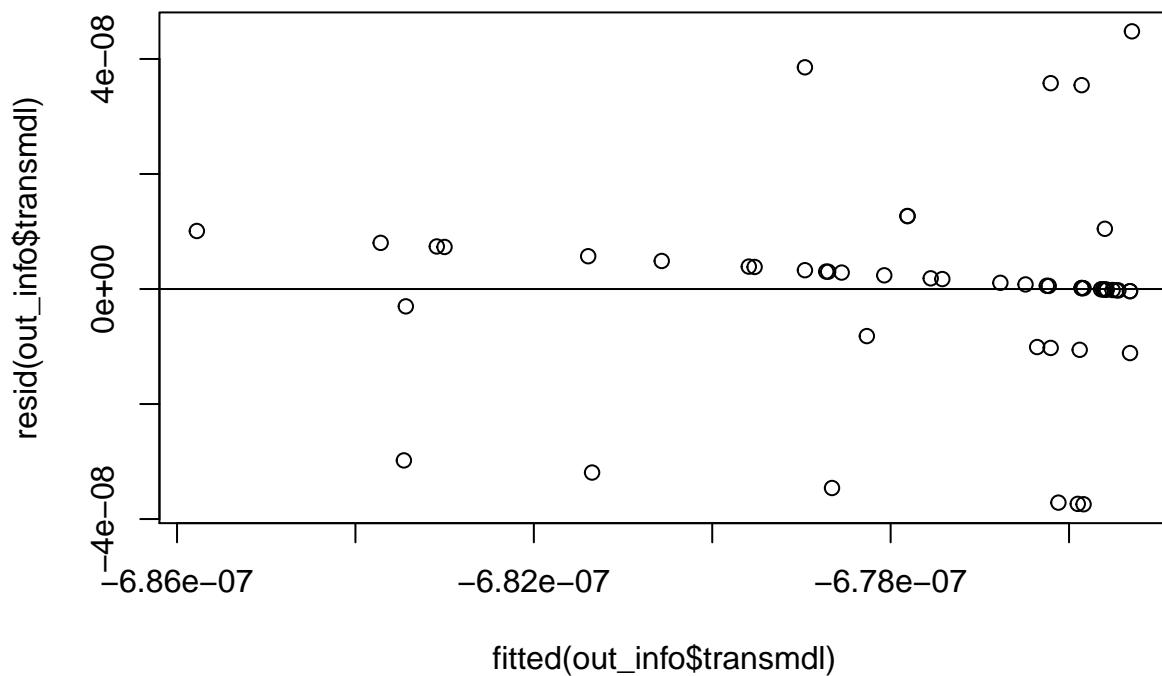
### Normal Q-Q Plot



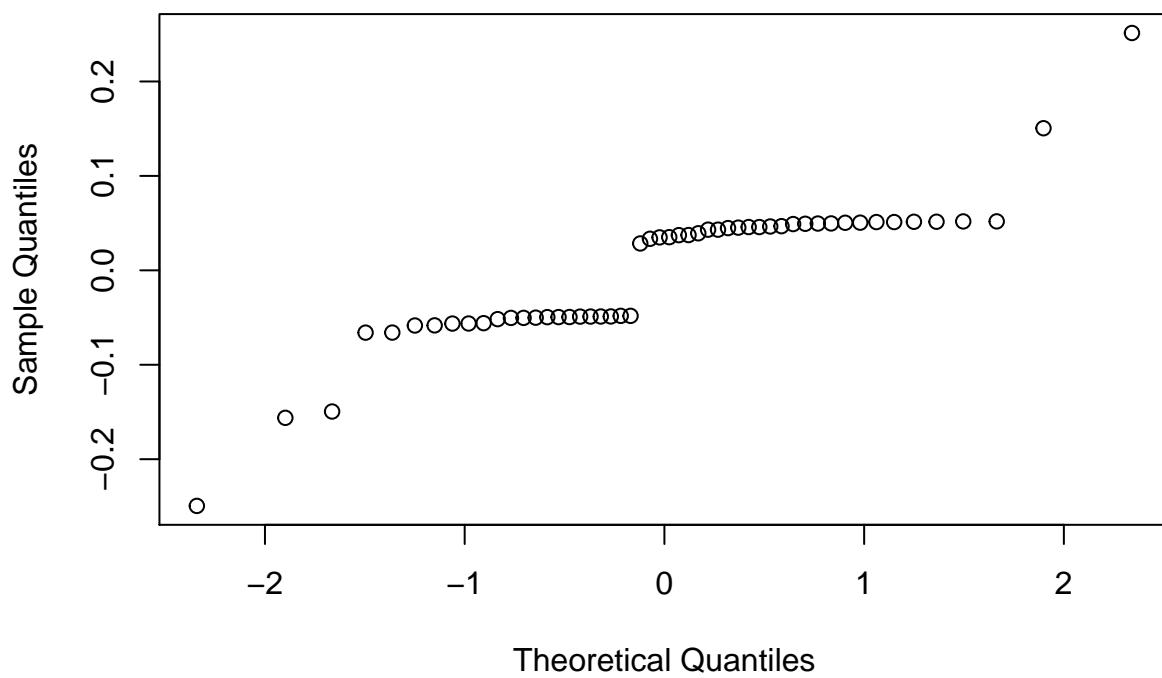
Plot of PFDEAorig+  
Plot of PFDEAorigdays.since.struc.MRF  
Plot of PFDEAorigEthnicity



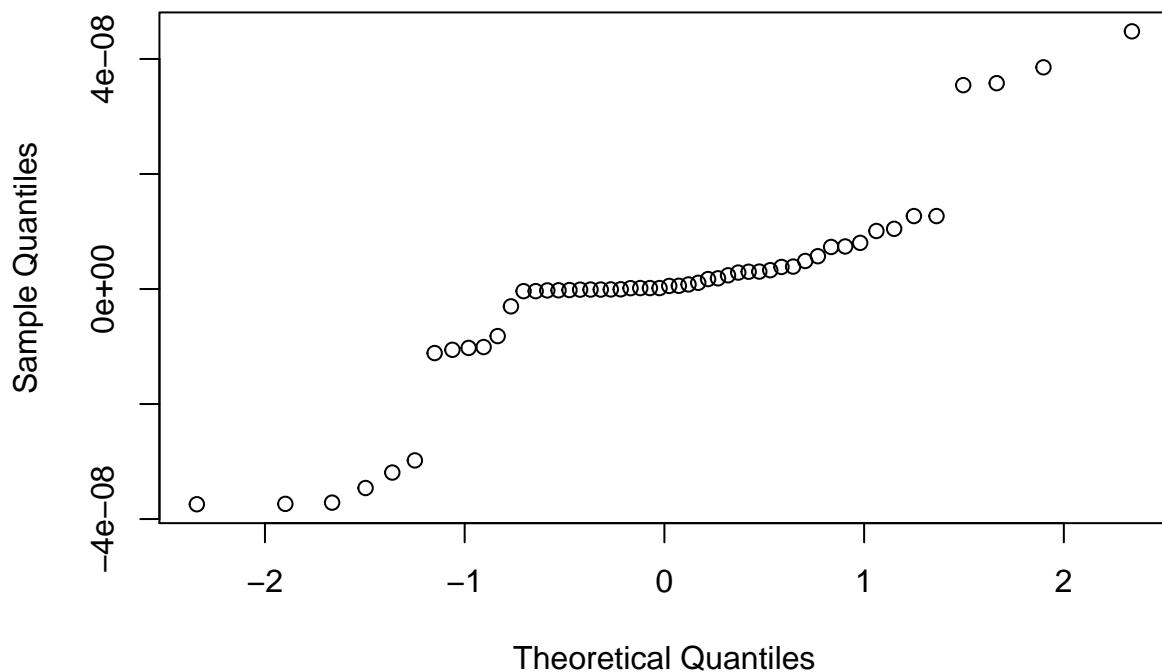
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



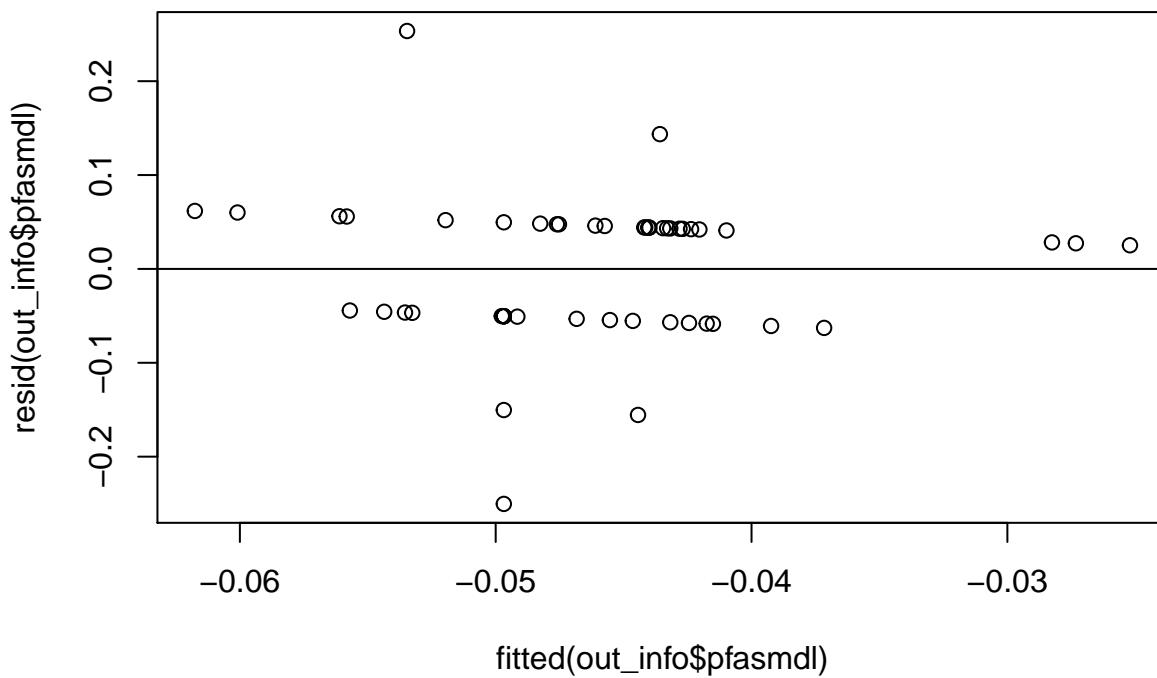
**Normal Q-Q Plot**



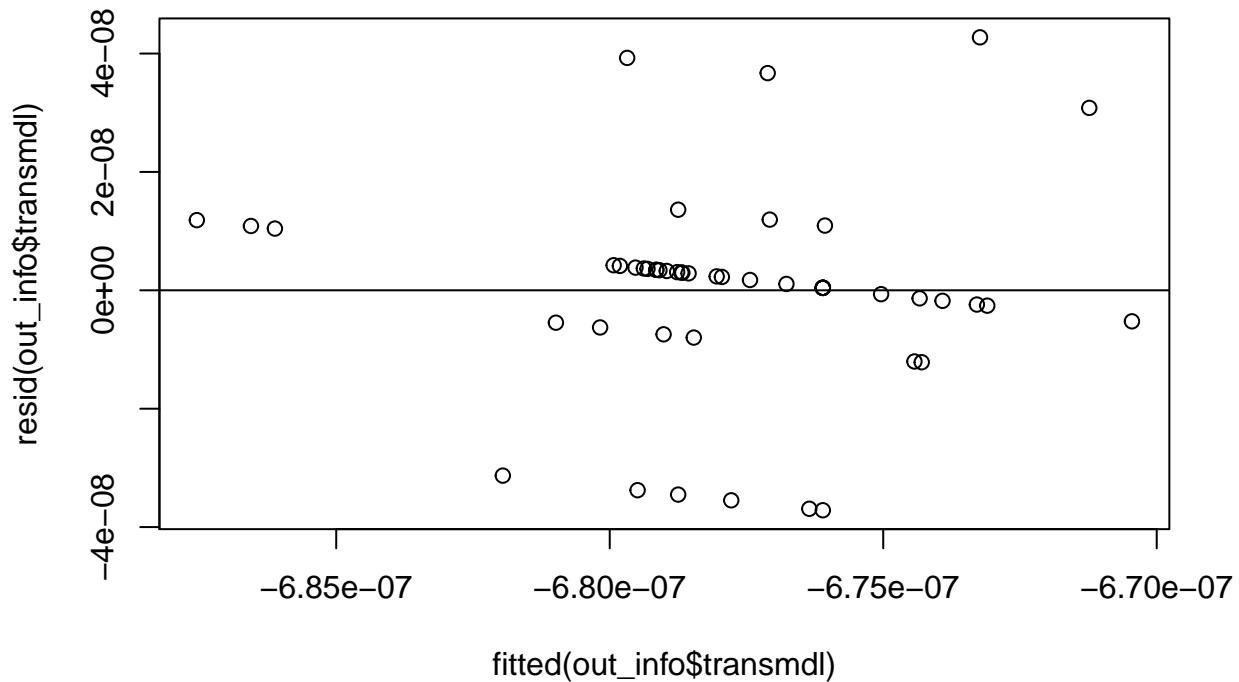
### Normal Q-Q Plot



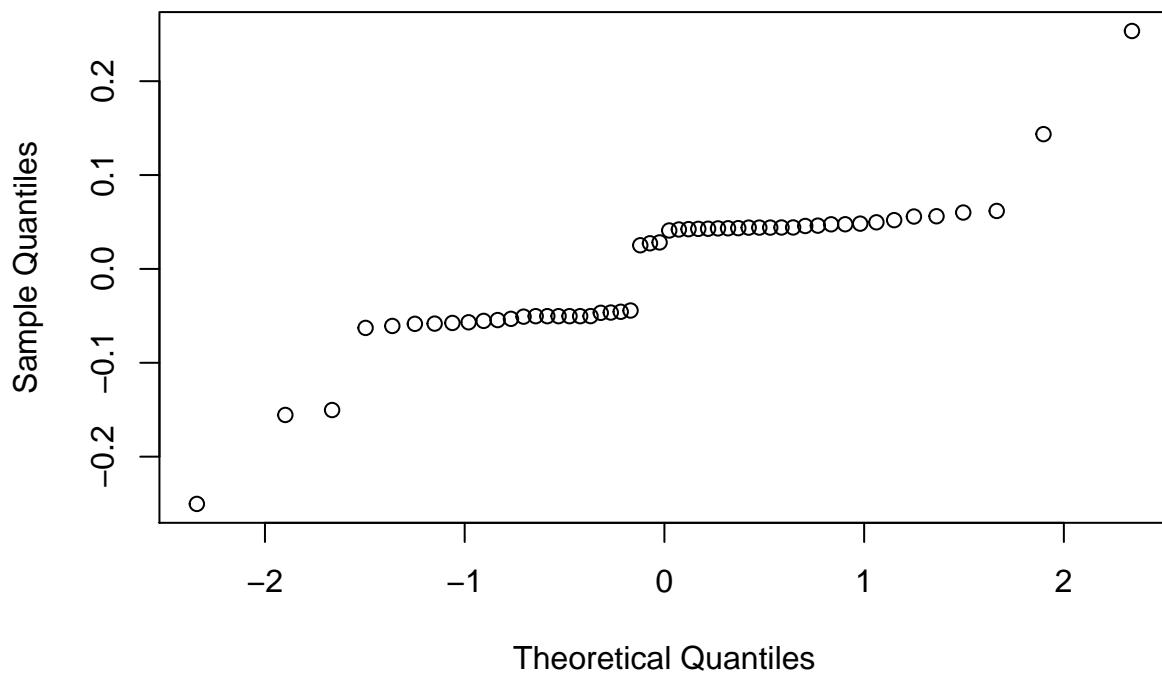
**Plot of PFDEAorig+  
Plot of PFDEAorigtime.since.baseline  
Plot of PFDEAorigEthnicity**



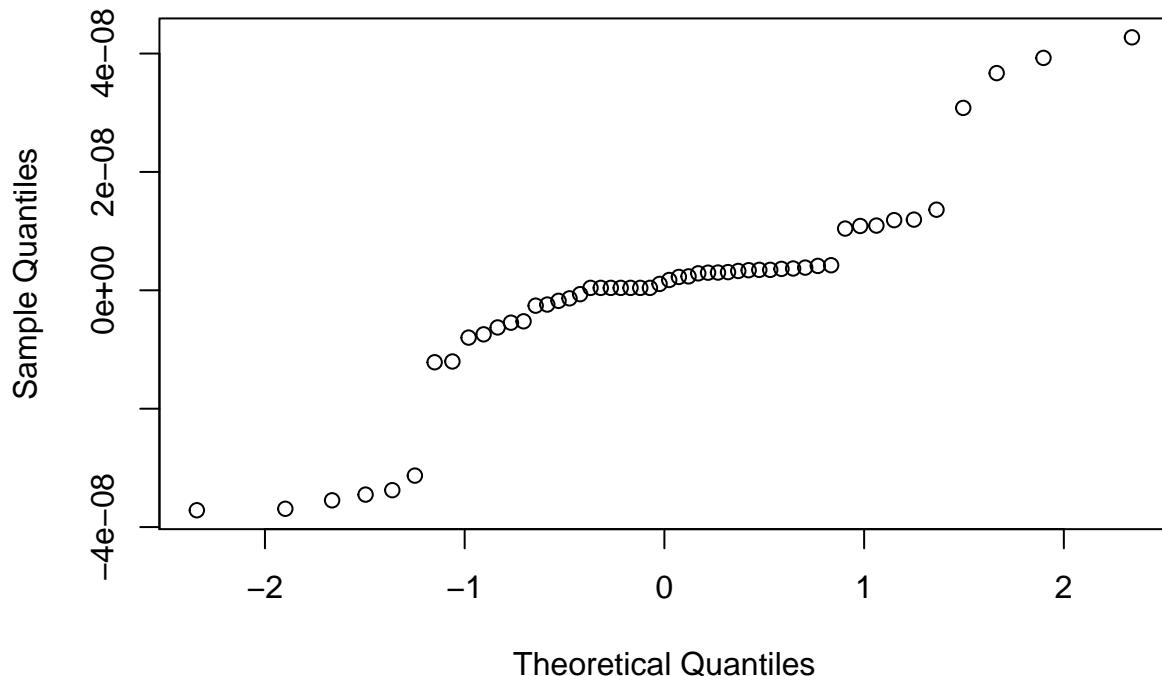
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



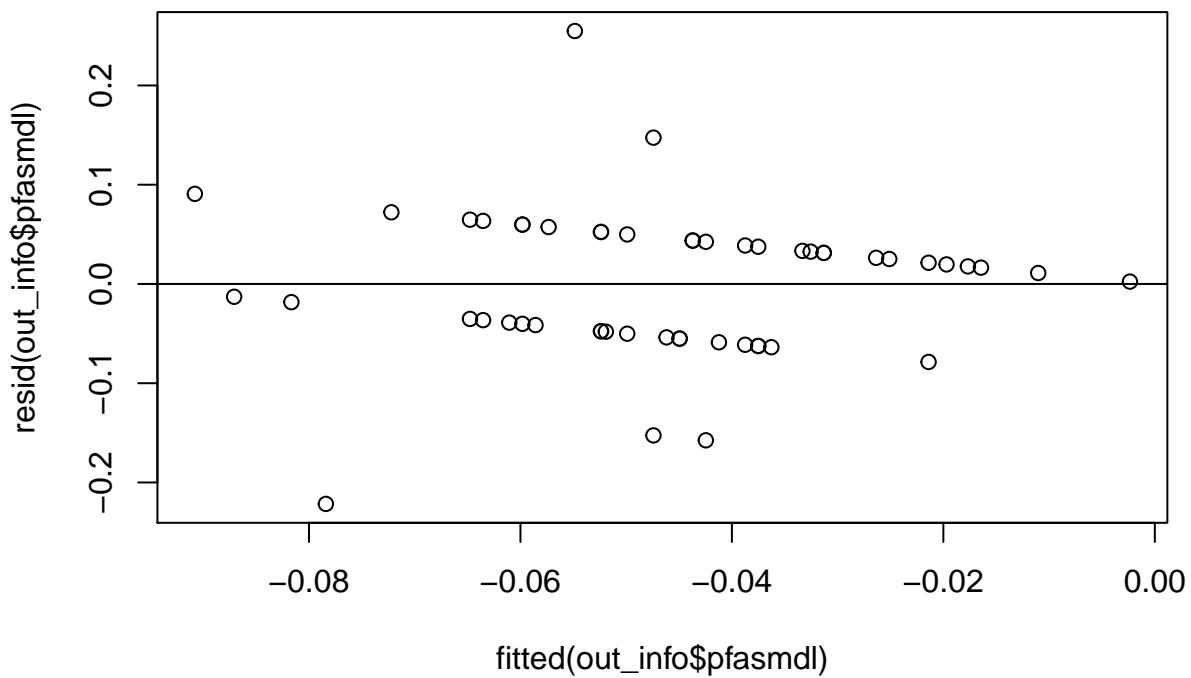
**Normal Q-Q Plot**



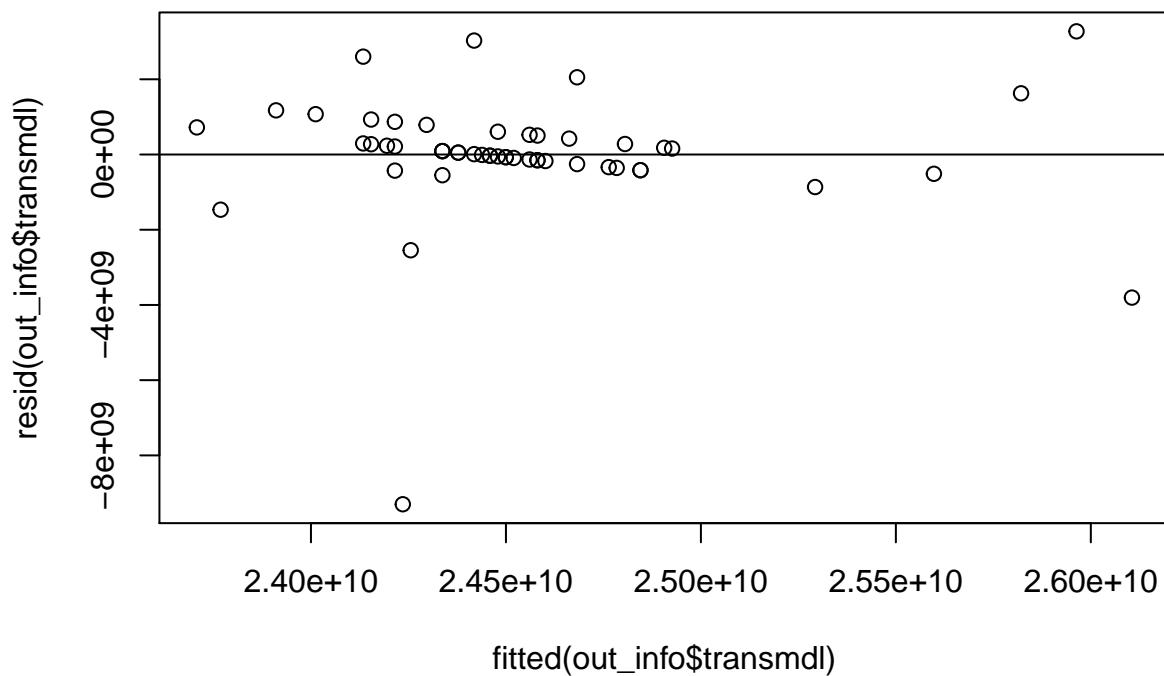
### Normal Q-Q Plot



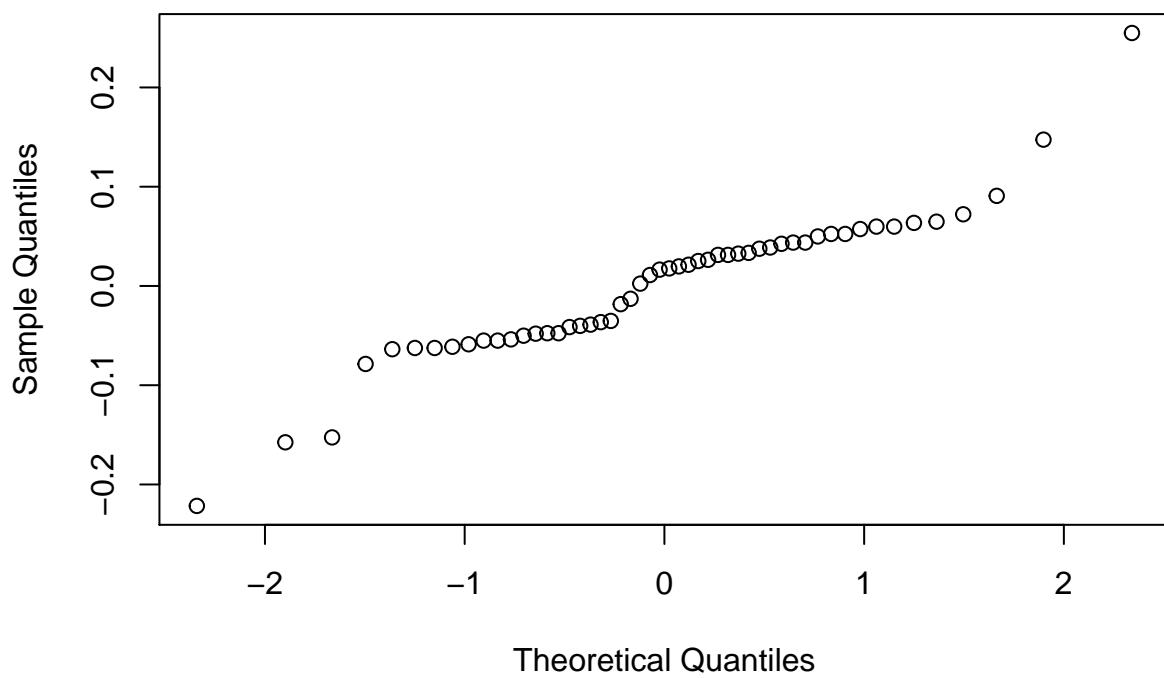
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity**



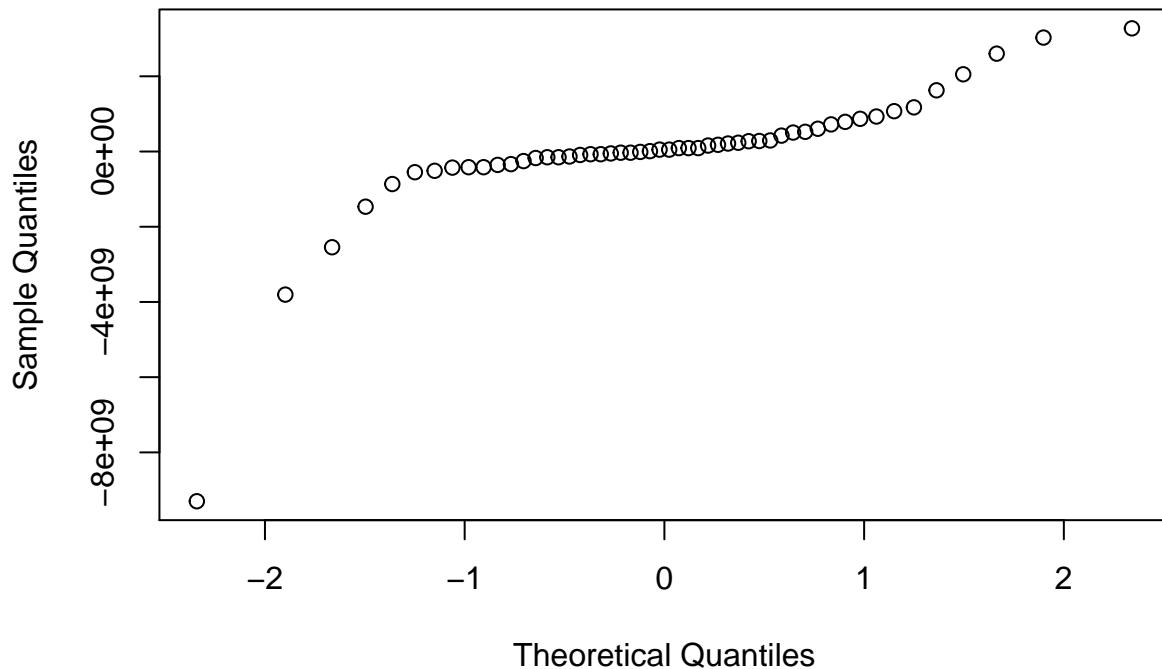
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



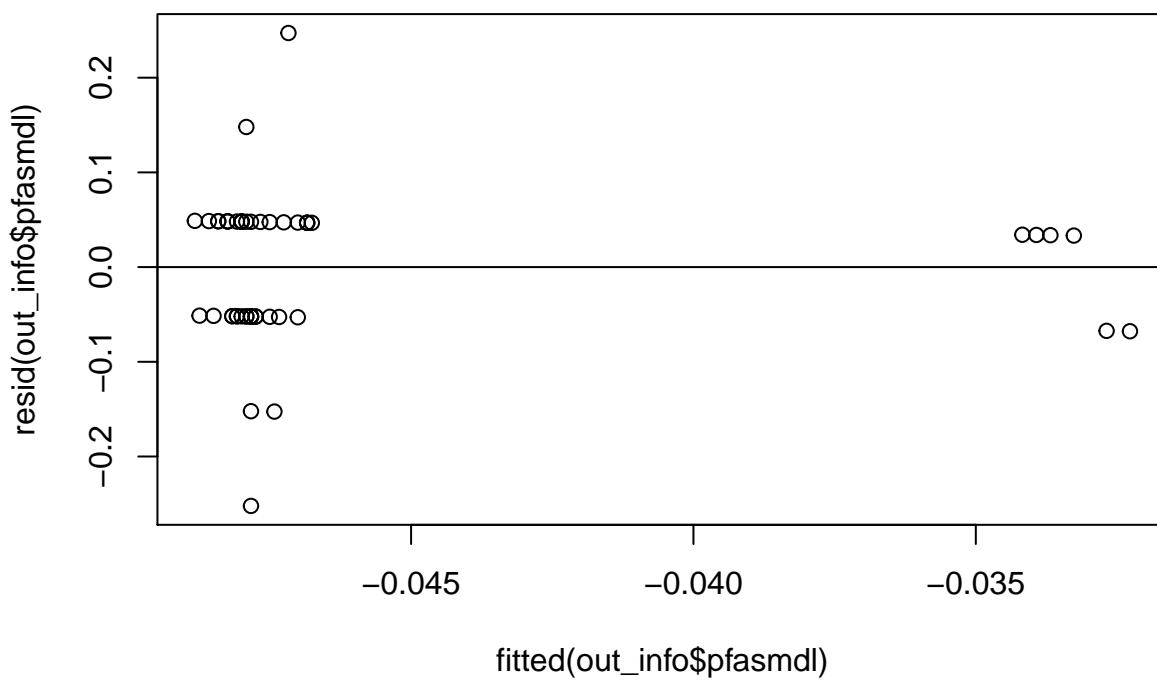
**Normal Q-Q Plot**



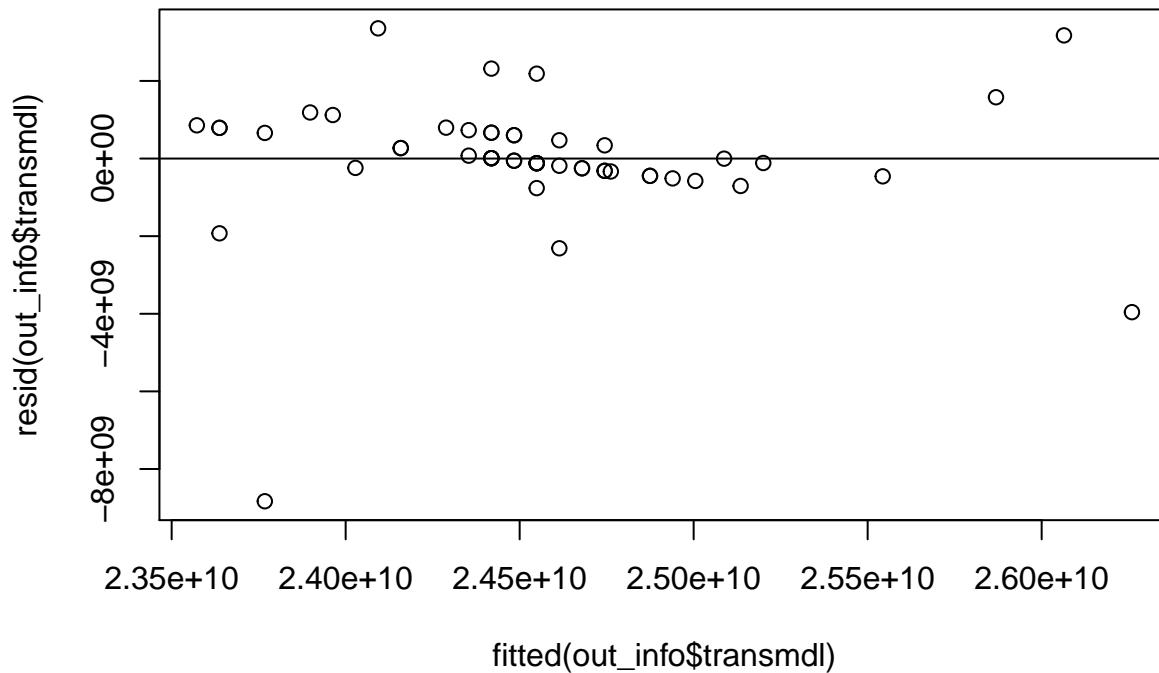
### Normal Q-Q Plot



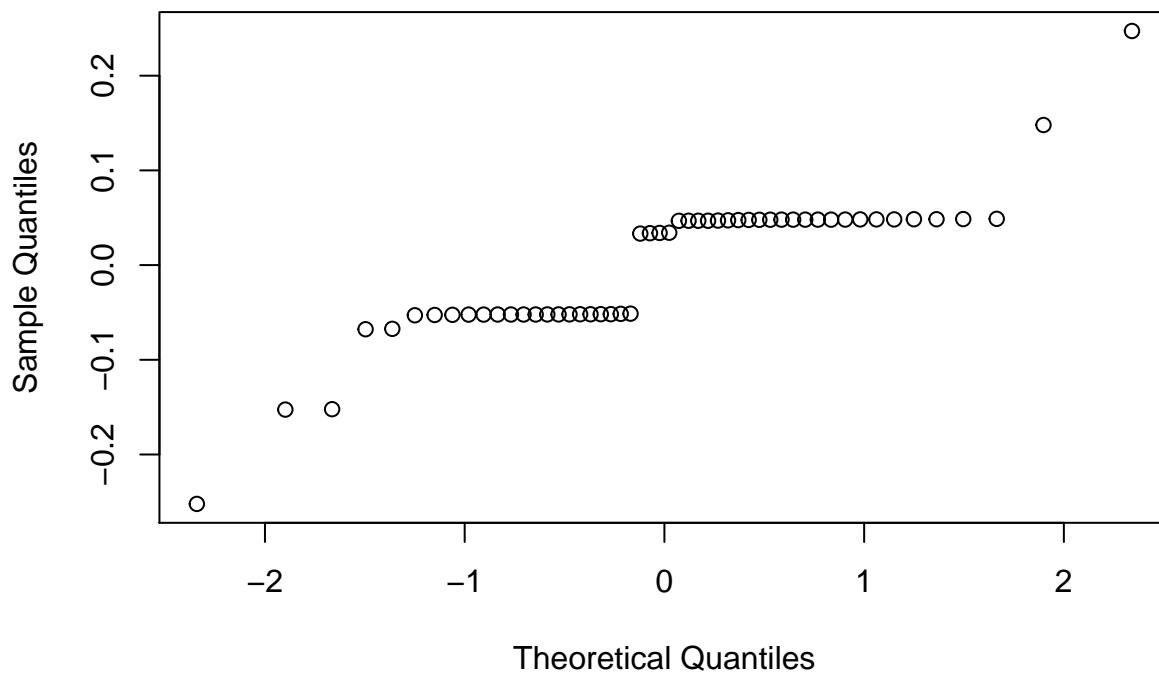
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.num.fireruns  
Plot of PFDEAorigEthnicity**



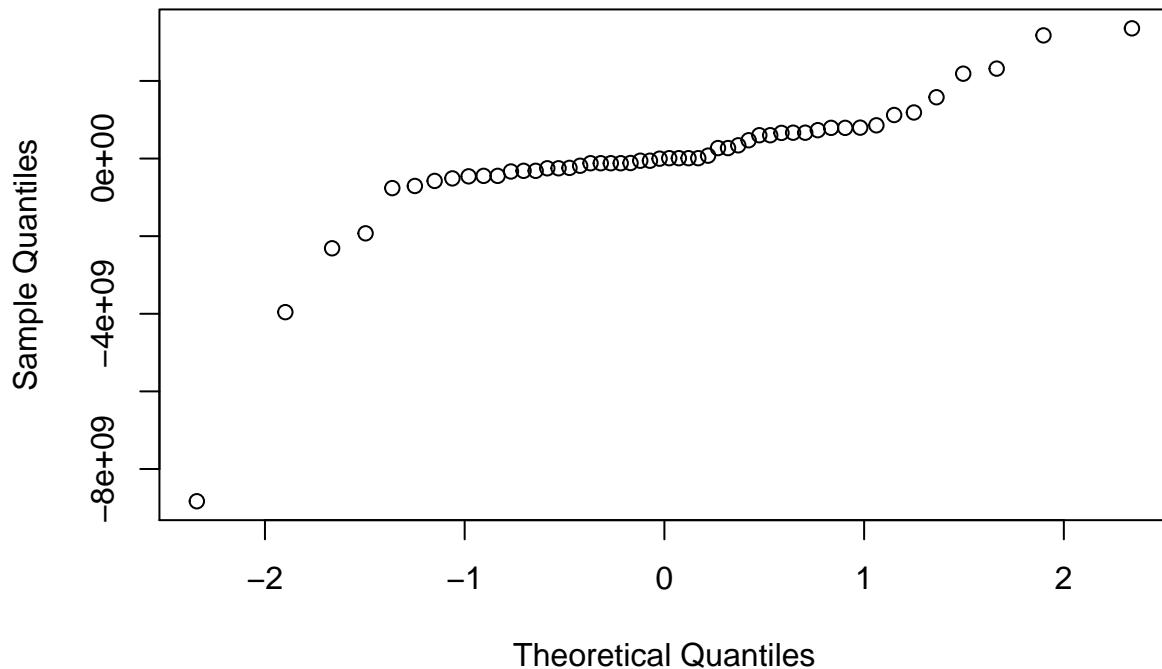
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



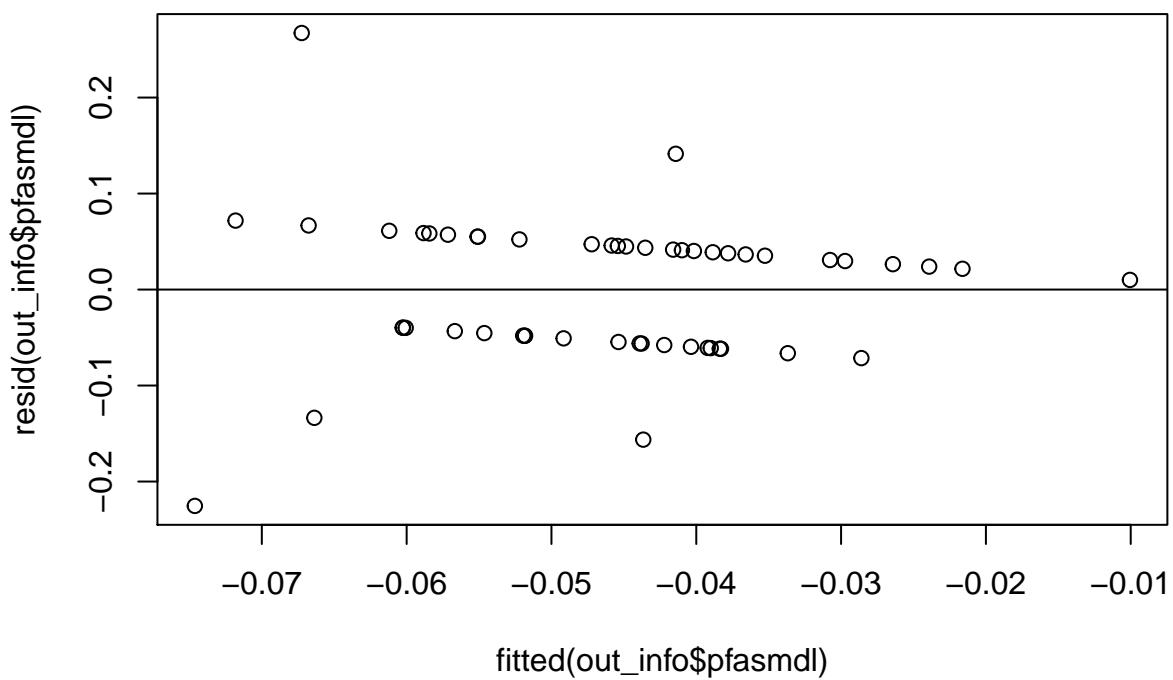
**Normal Q-Q Plot**



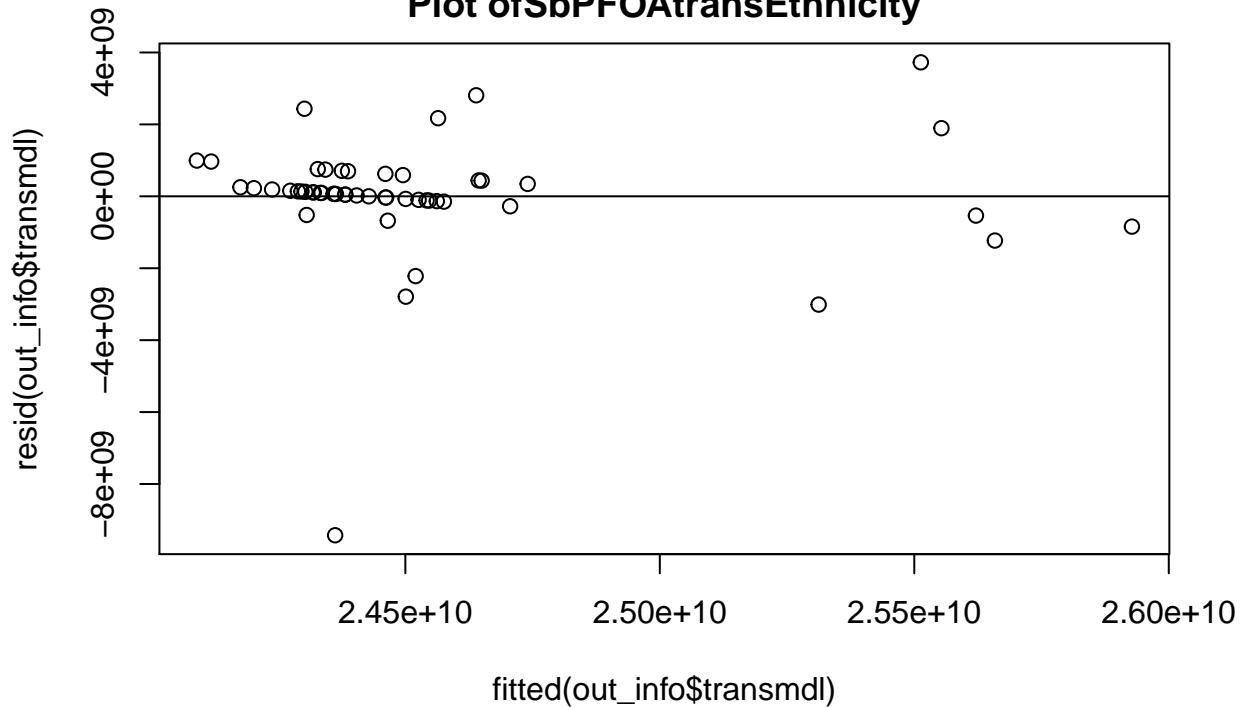
### Normal Q-Q Plot



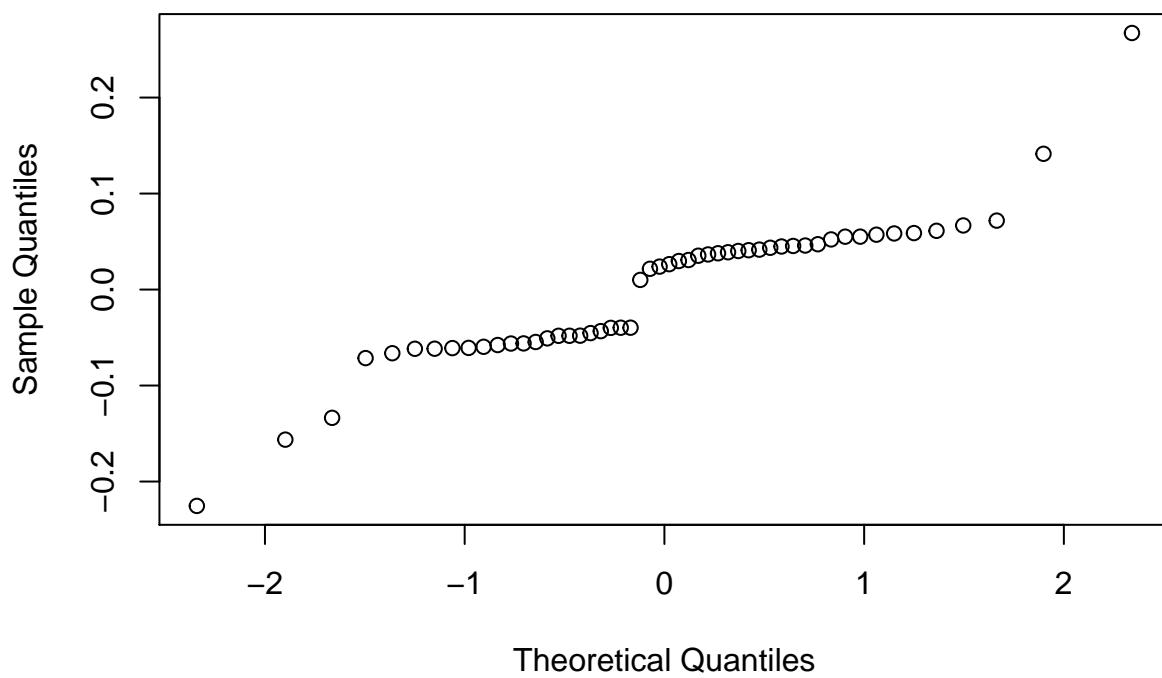
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity**

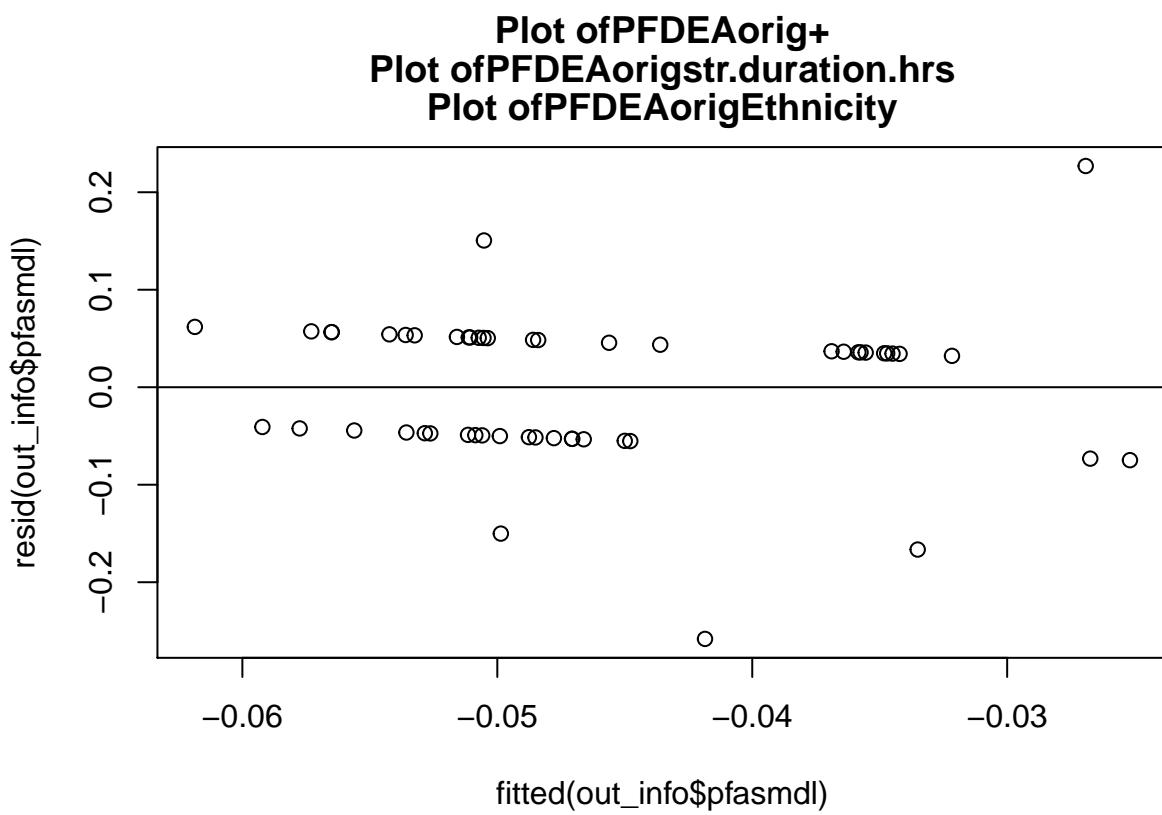
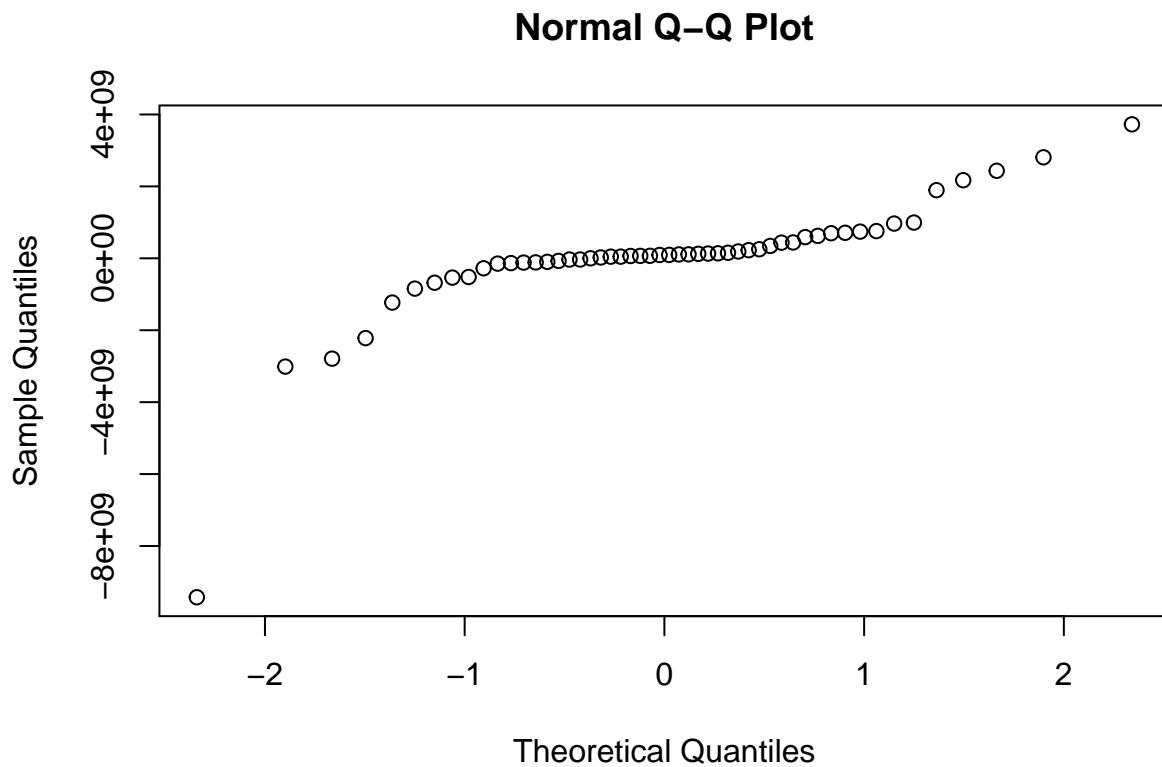


**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**

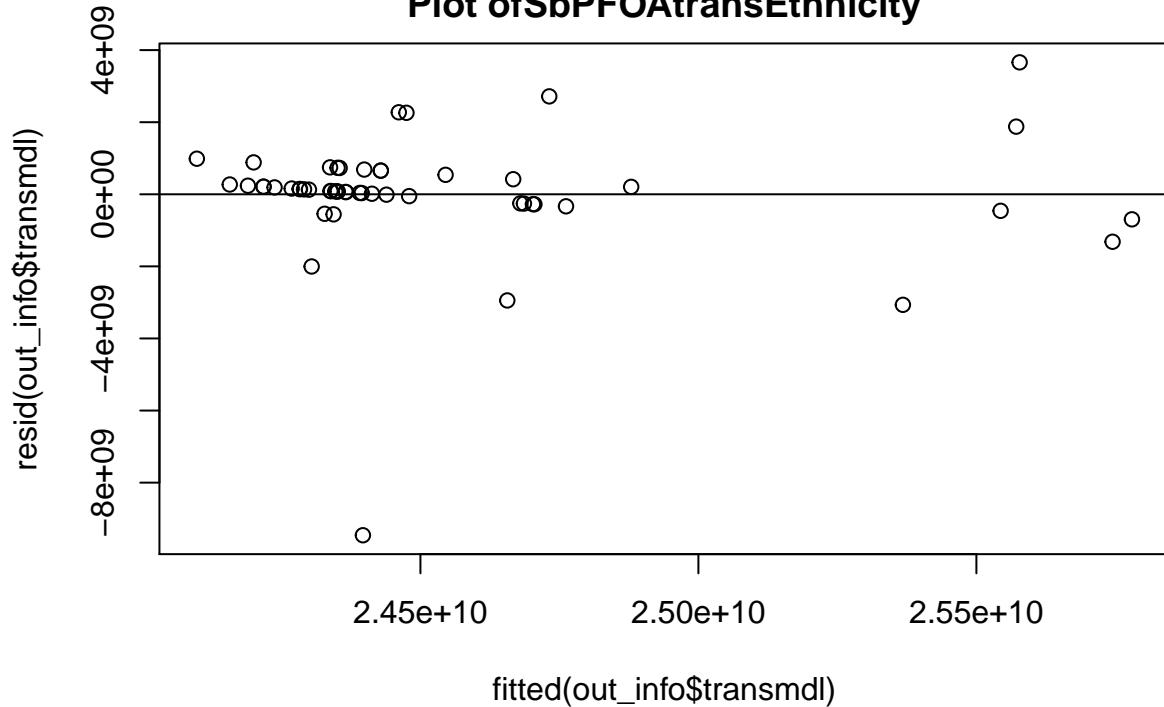


**Normal Q-Q Plot**

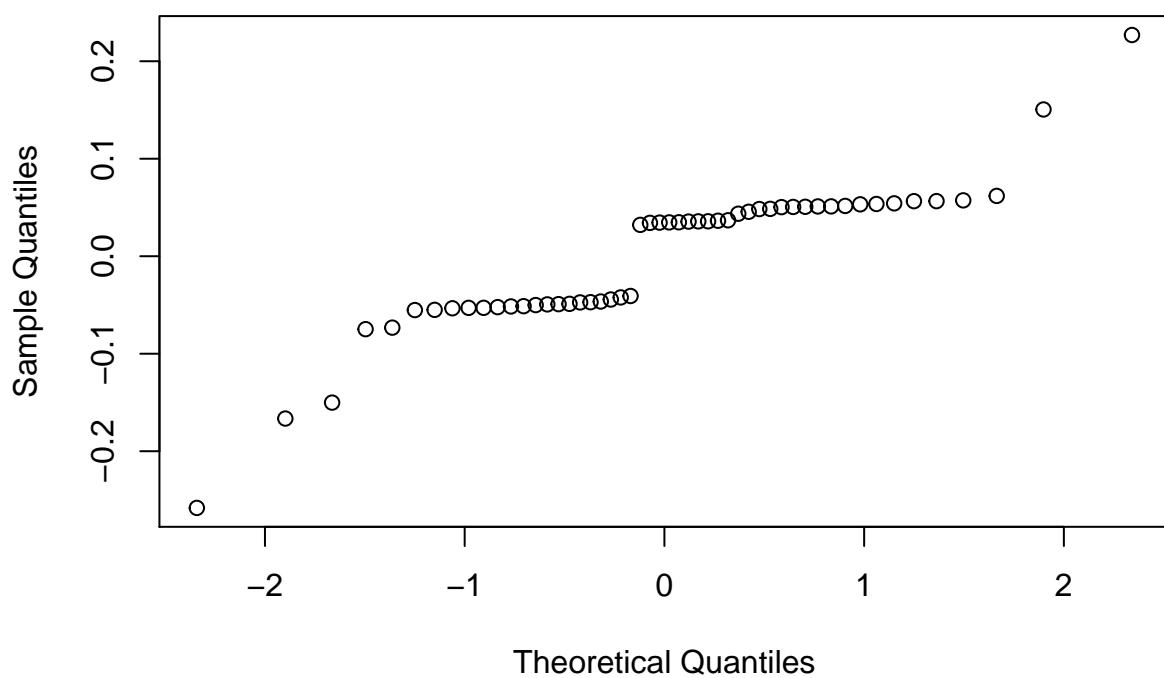


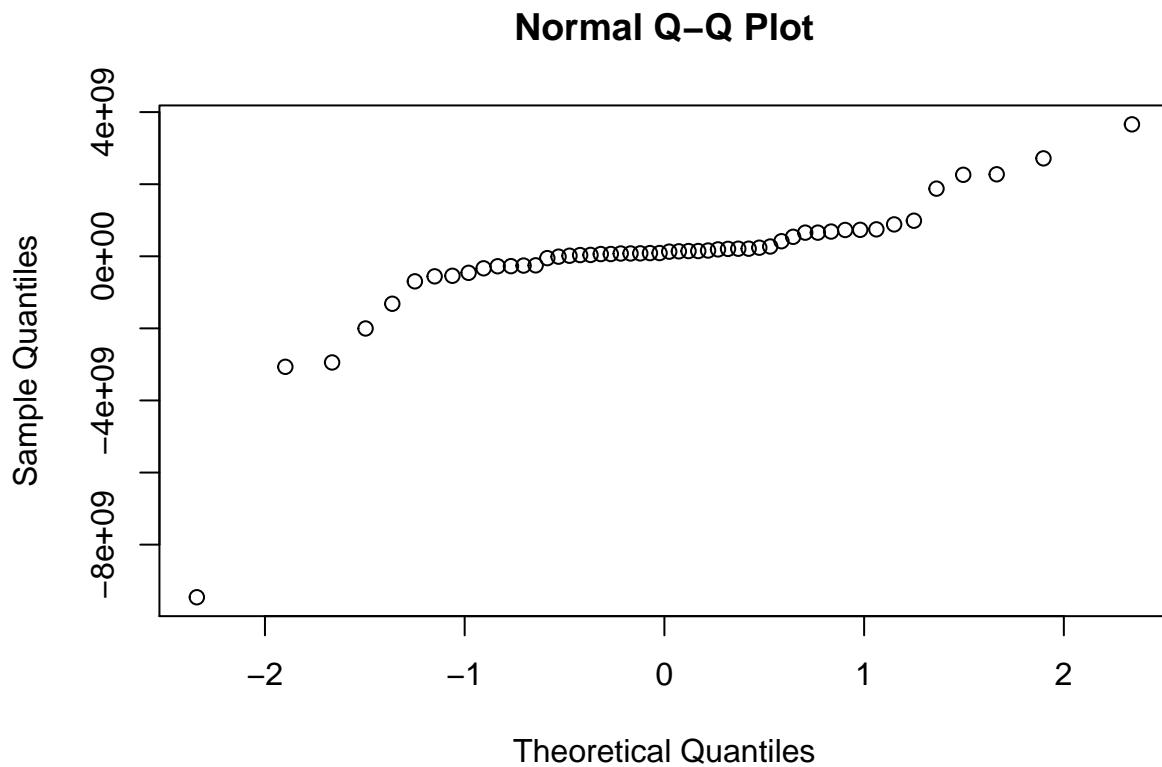


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

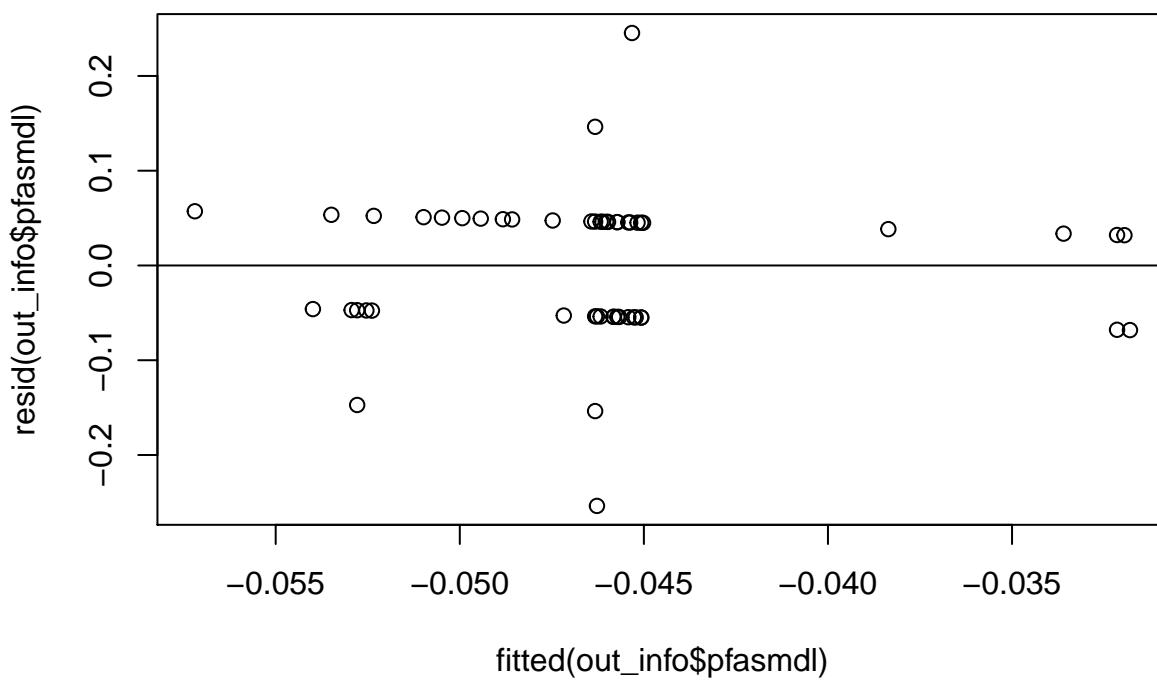


**Normal Q-Q Plot**

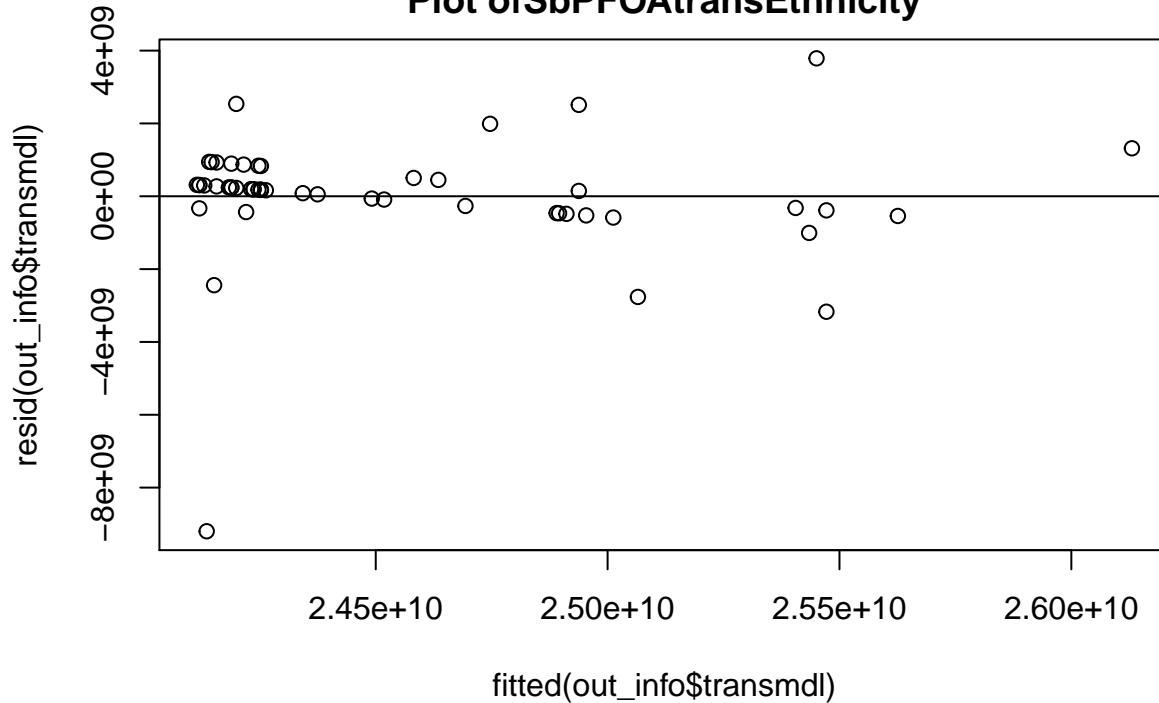




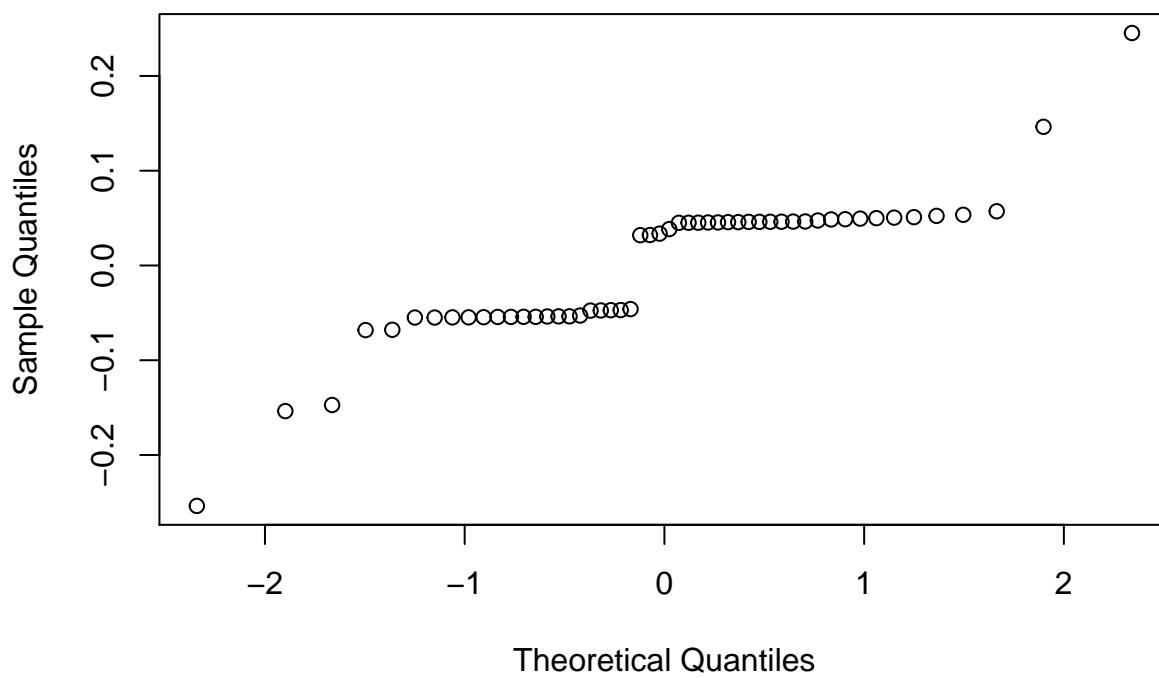
**Plot of PFDEAorig+  
Plot of PFDEAorigdays.since.MRF  
Plot of PFDEAorigEthnicity**

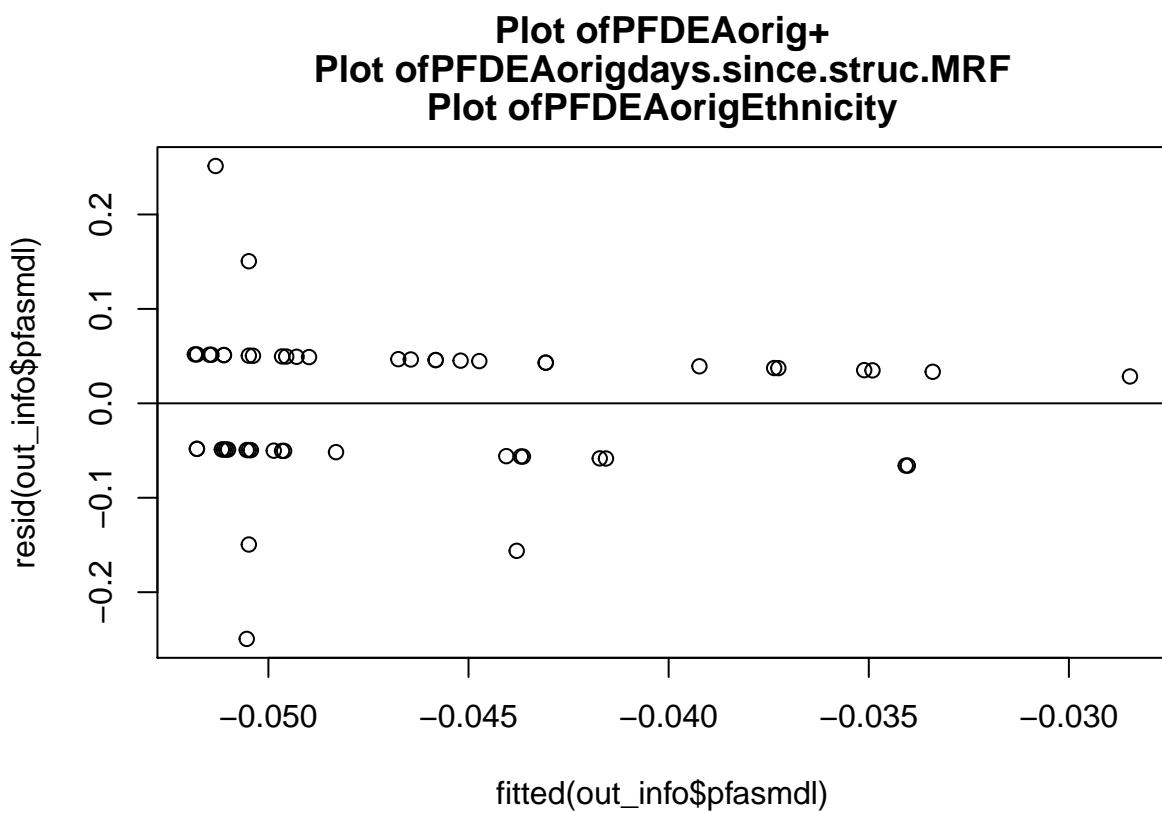
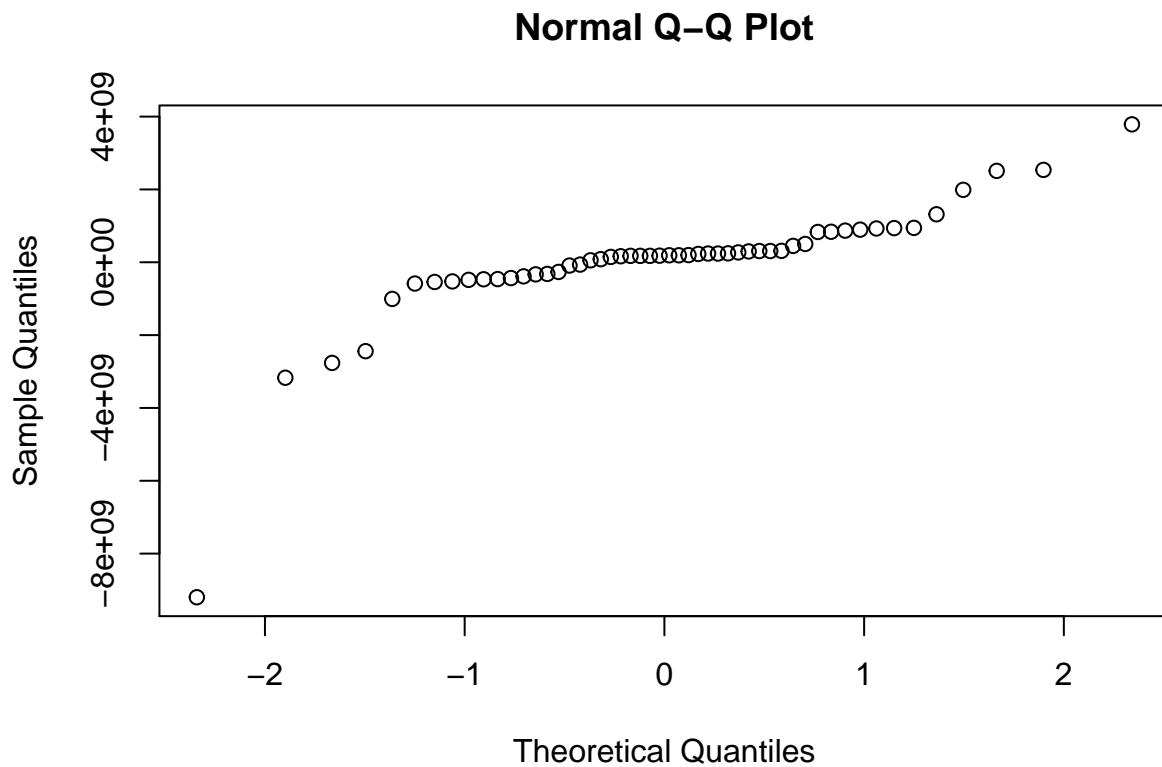


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

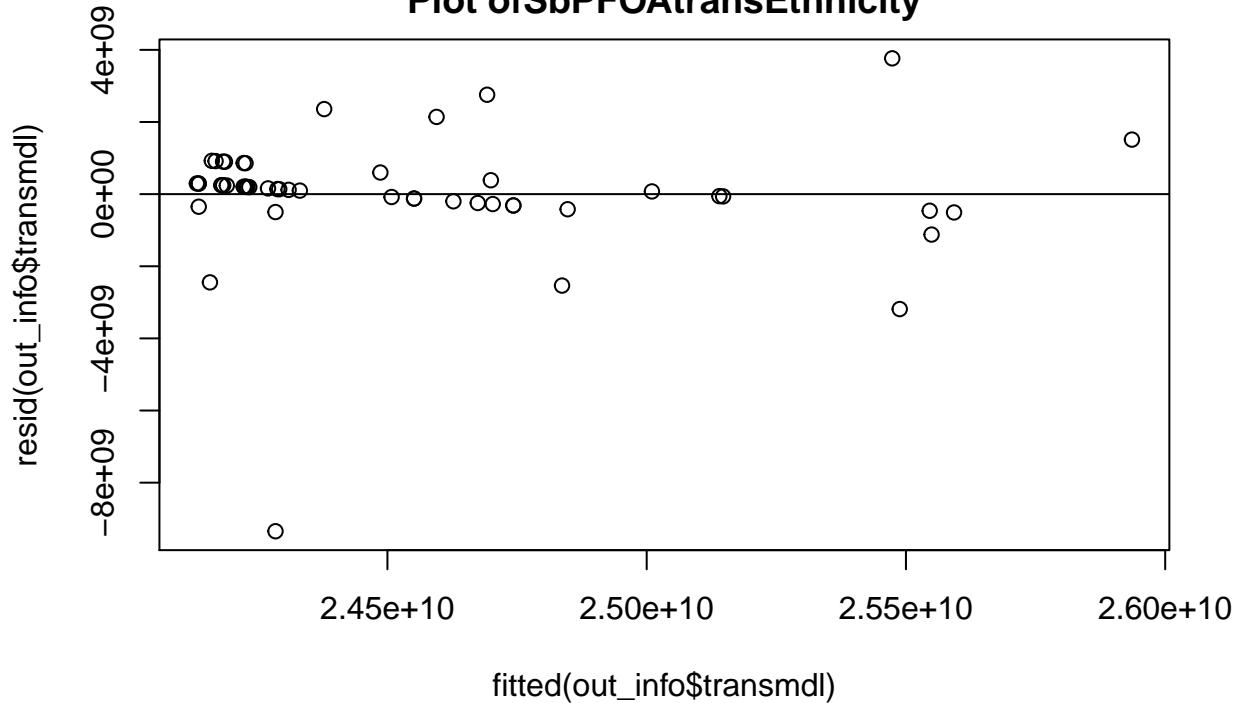


**Normal Q-Q Plot**

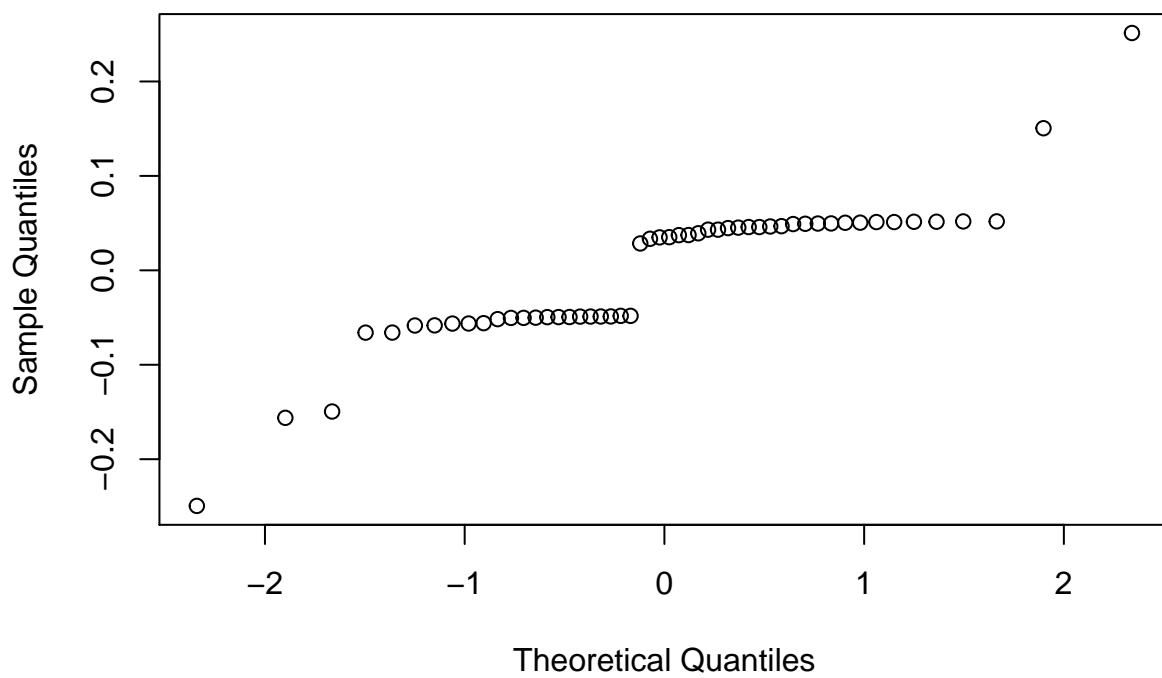


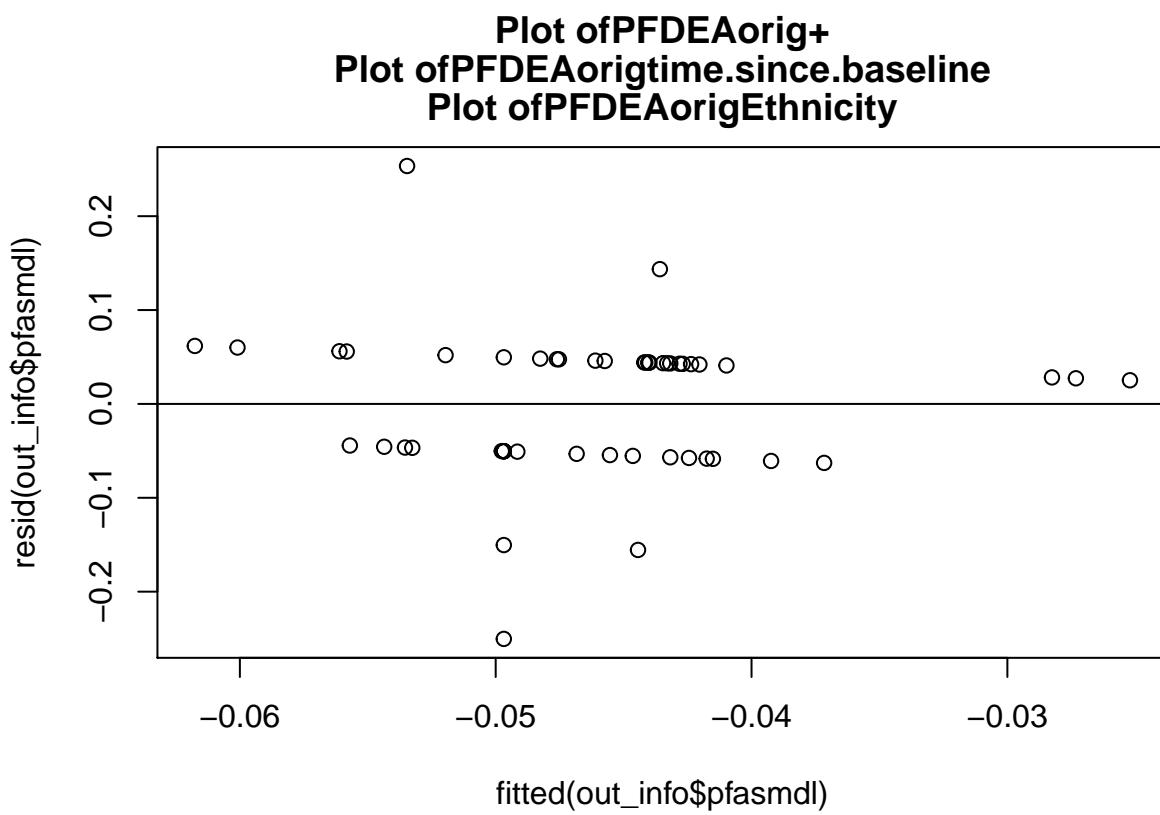
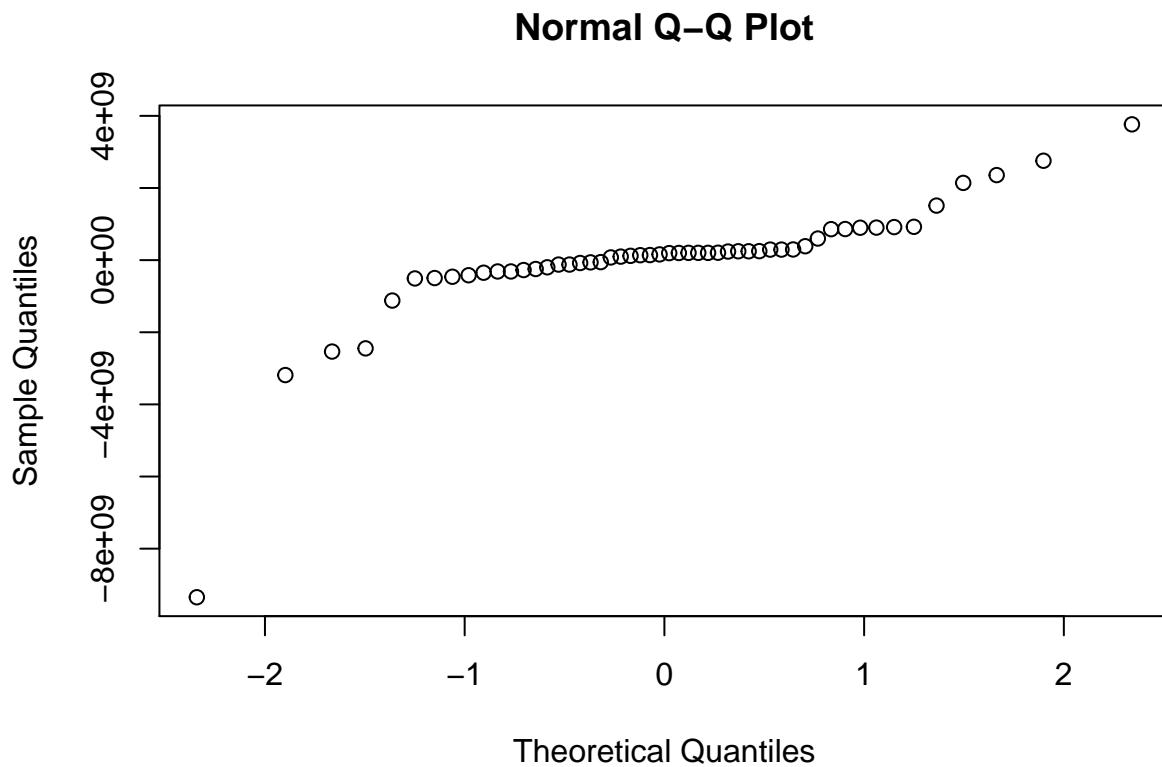


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**

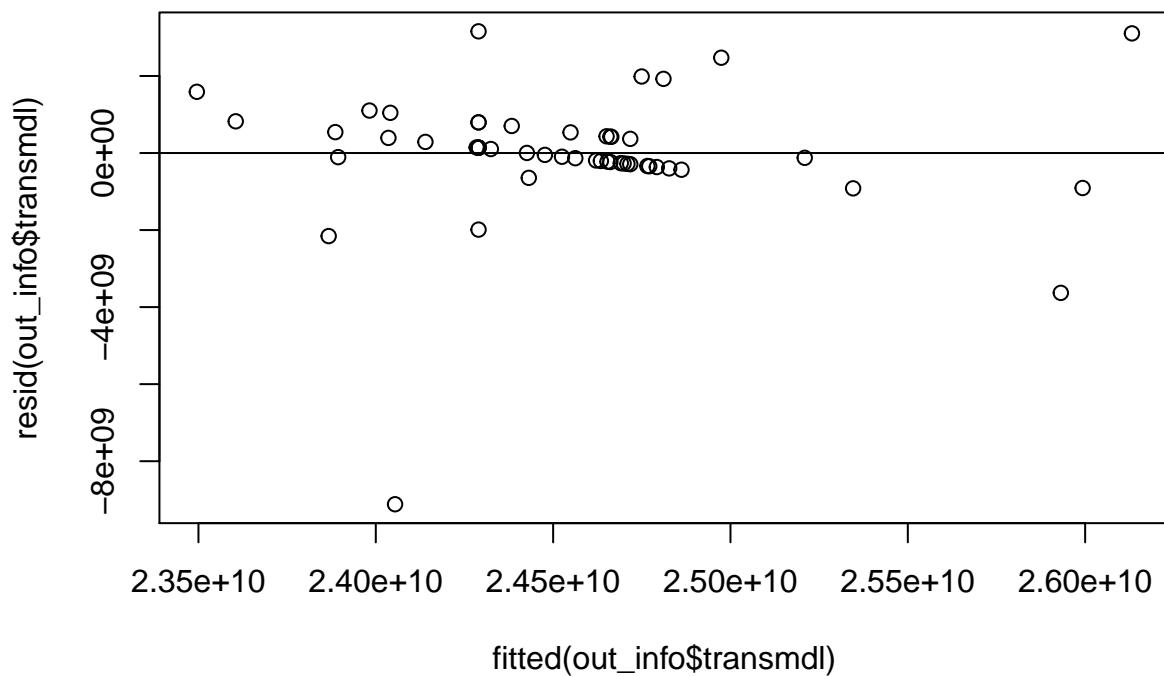


**Normal Q-Q Plot**

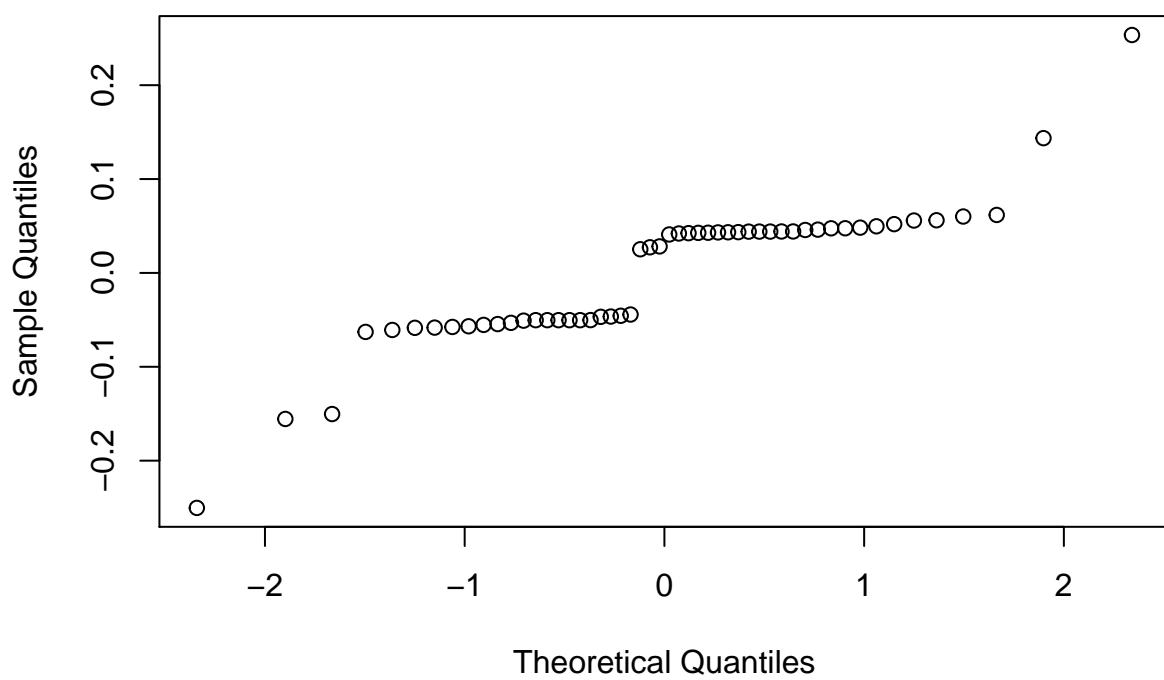




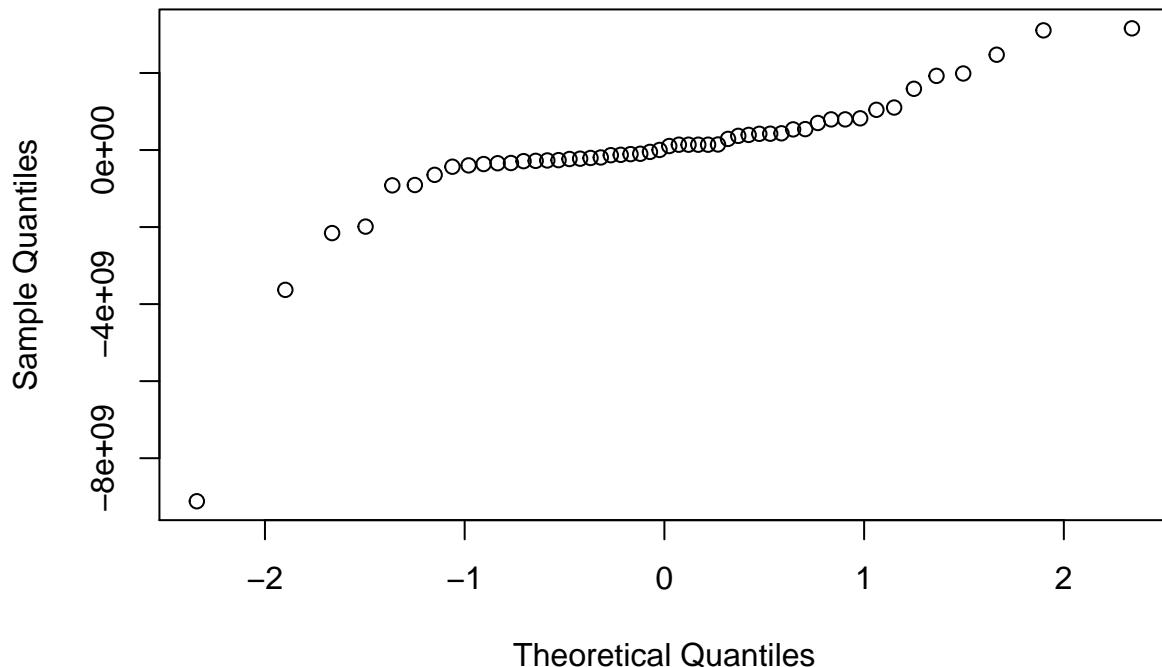
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



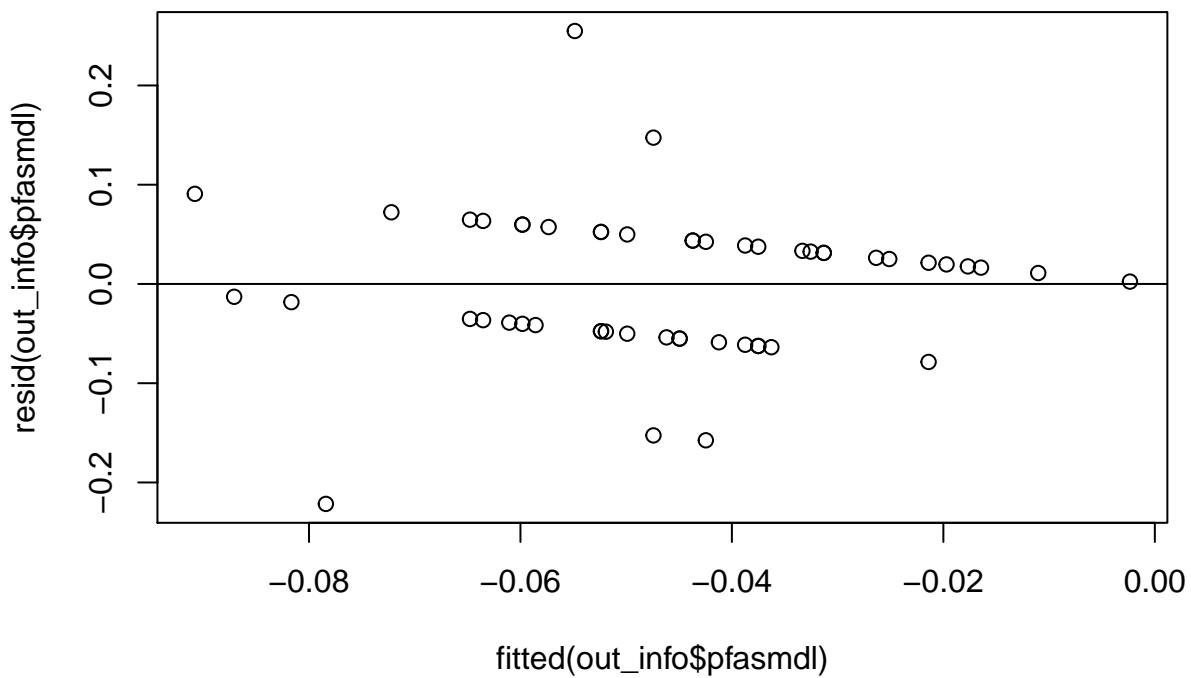
**Normal Q-Q Plot**



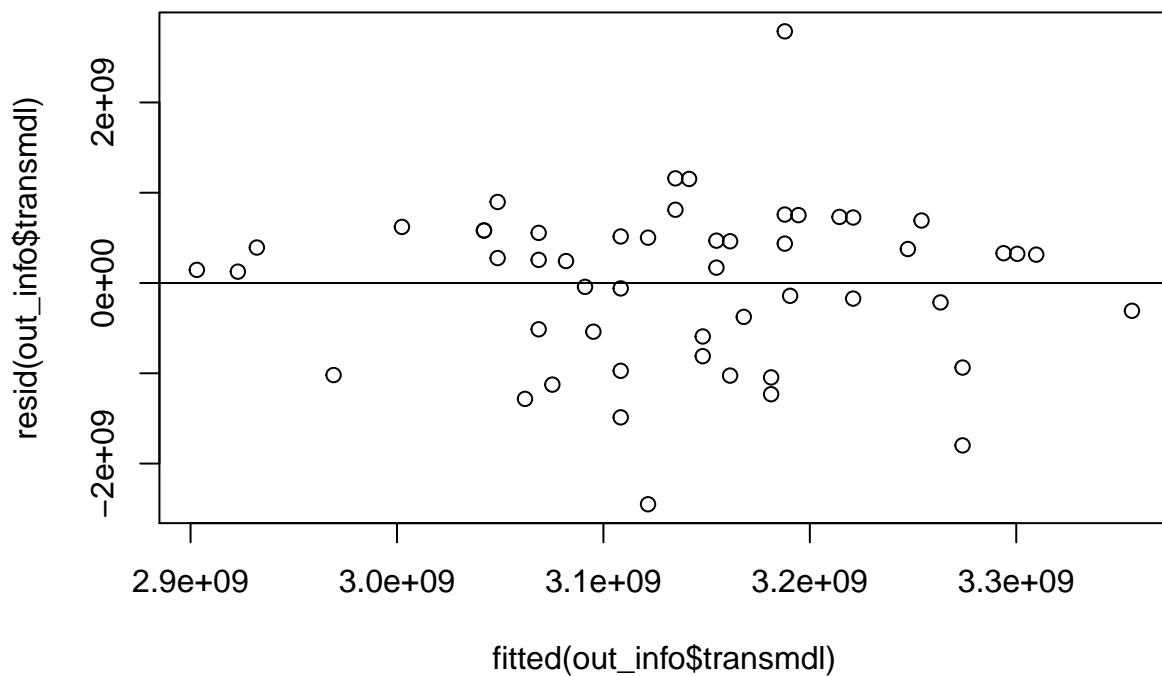
### Normal Q-Q Plot



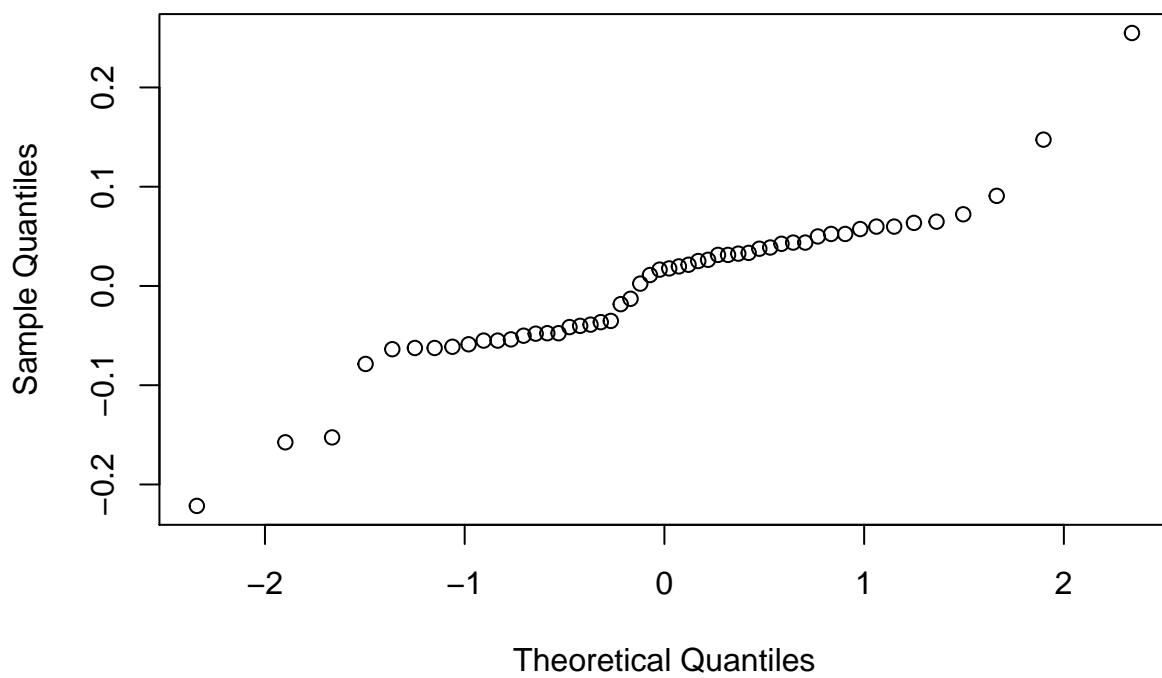
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.num.fireruns  
Plot of PFDEAorigEthnicity**



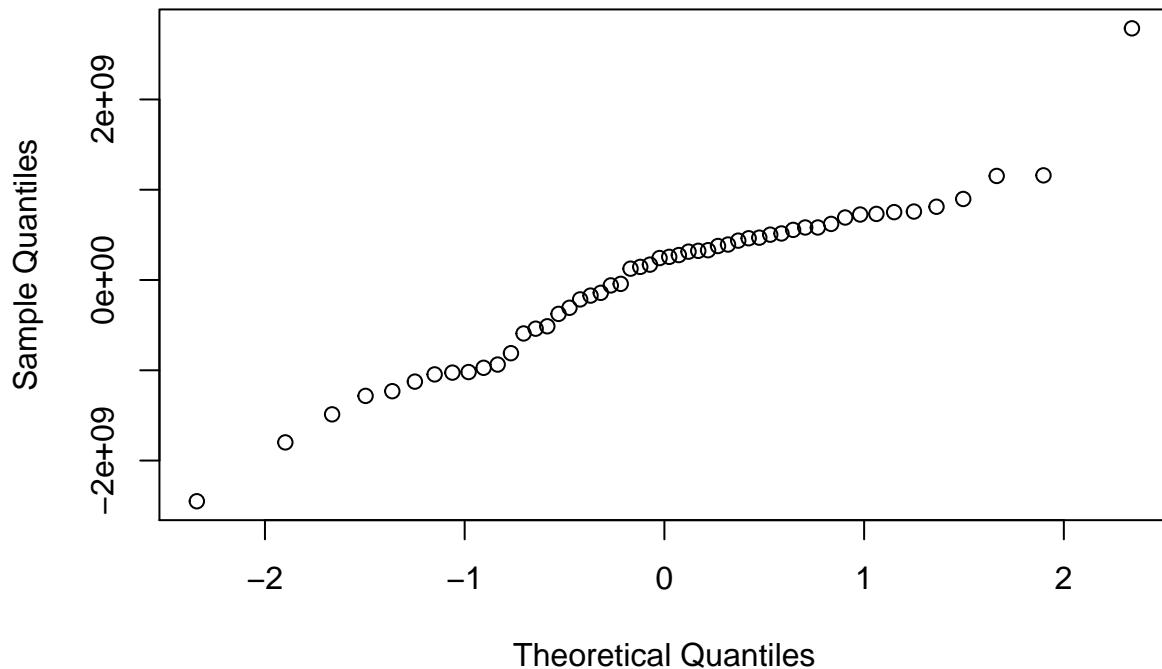
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.num.fireruns  
Plot of SmPFOStransEthnicity**



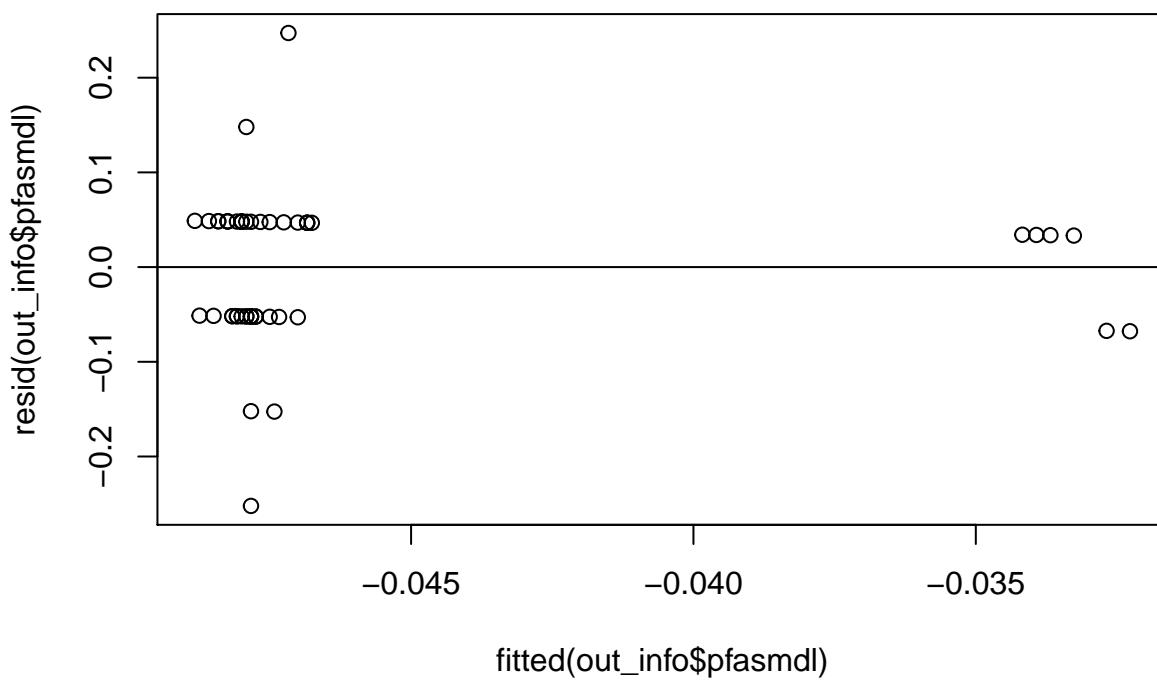
**Normal Q-Q Plot**



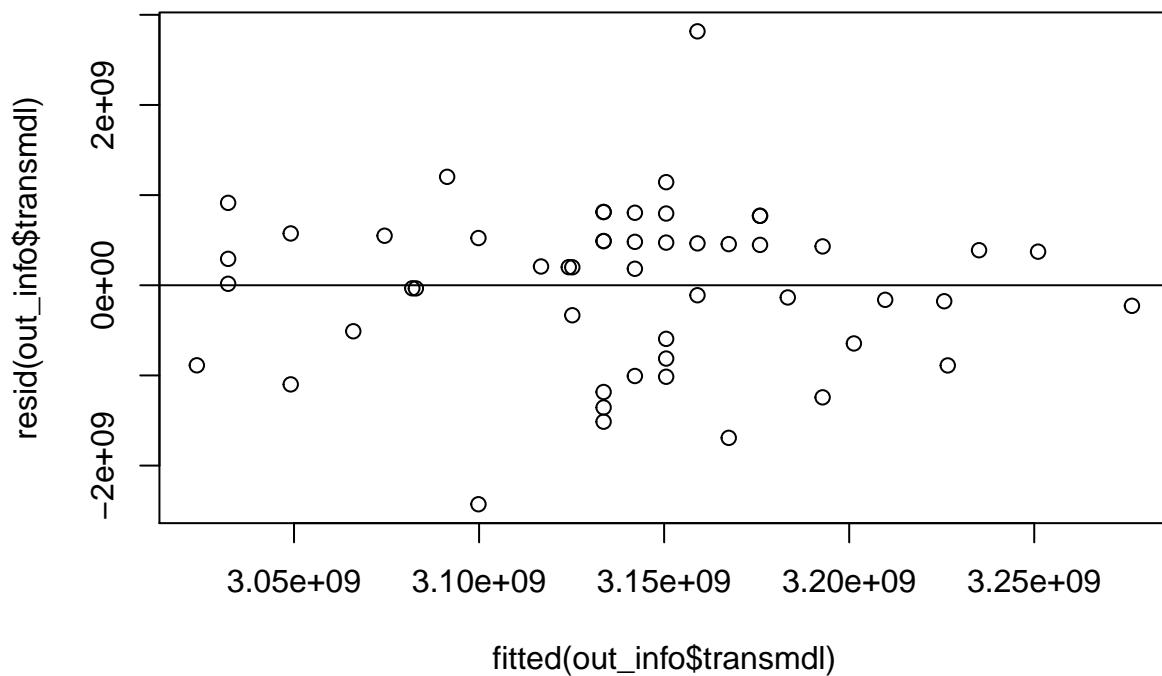
### Normal Q-Q Plot



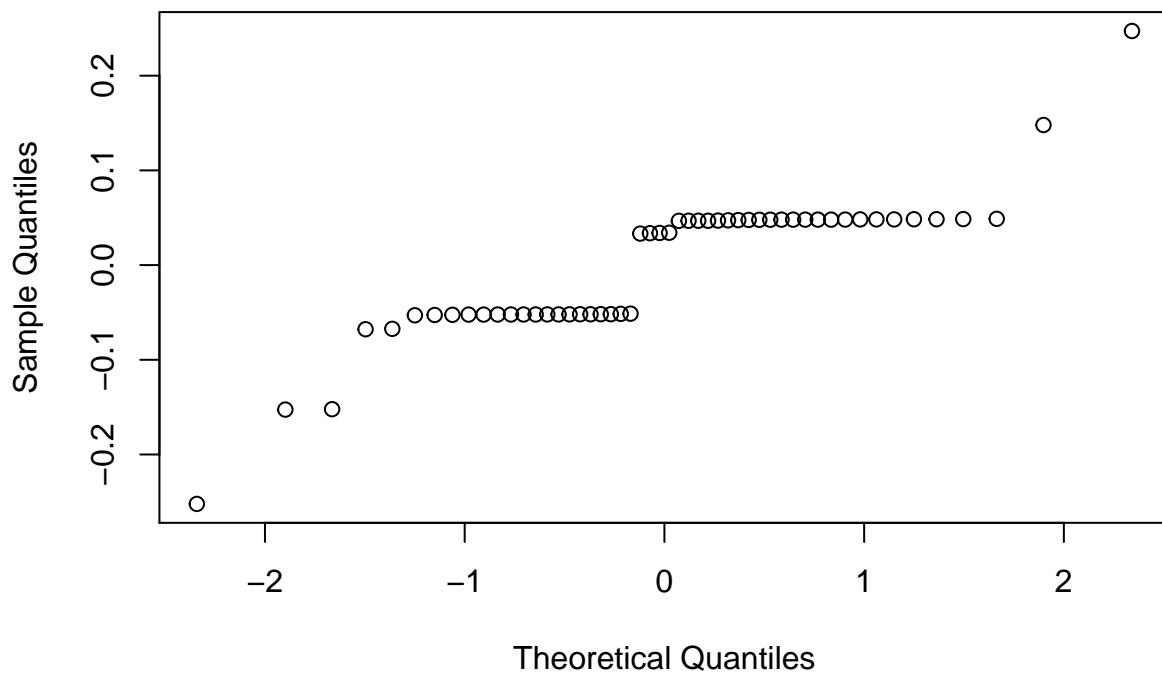
**Plot of PFDEAorig+**  
**Plot of PFDEAorigstr.num.fireruns**  
**Plot of PFDEAorigEthnicity**



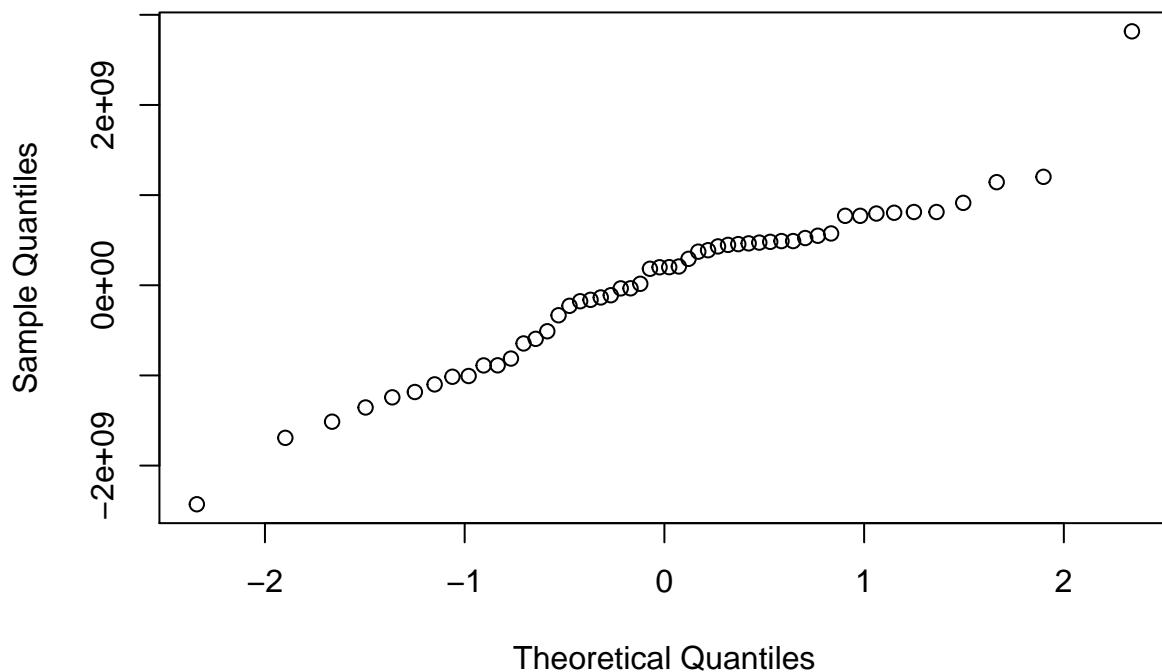
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



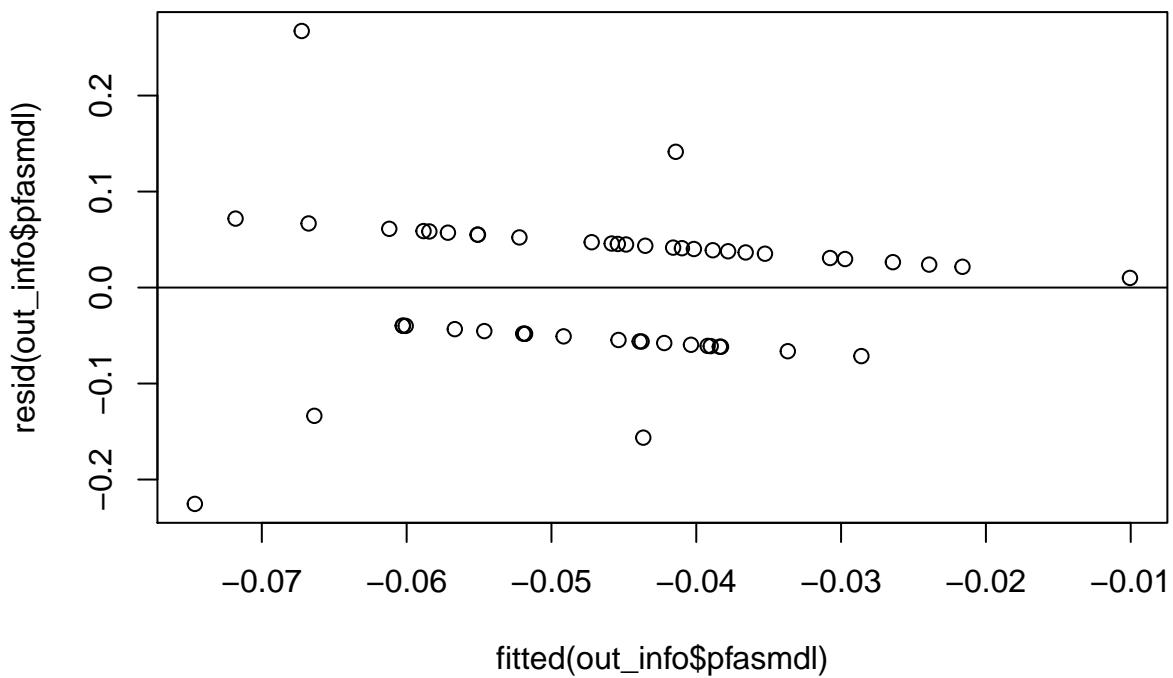
**Normal Q-Q Plot**



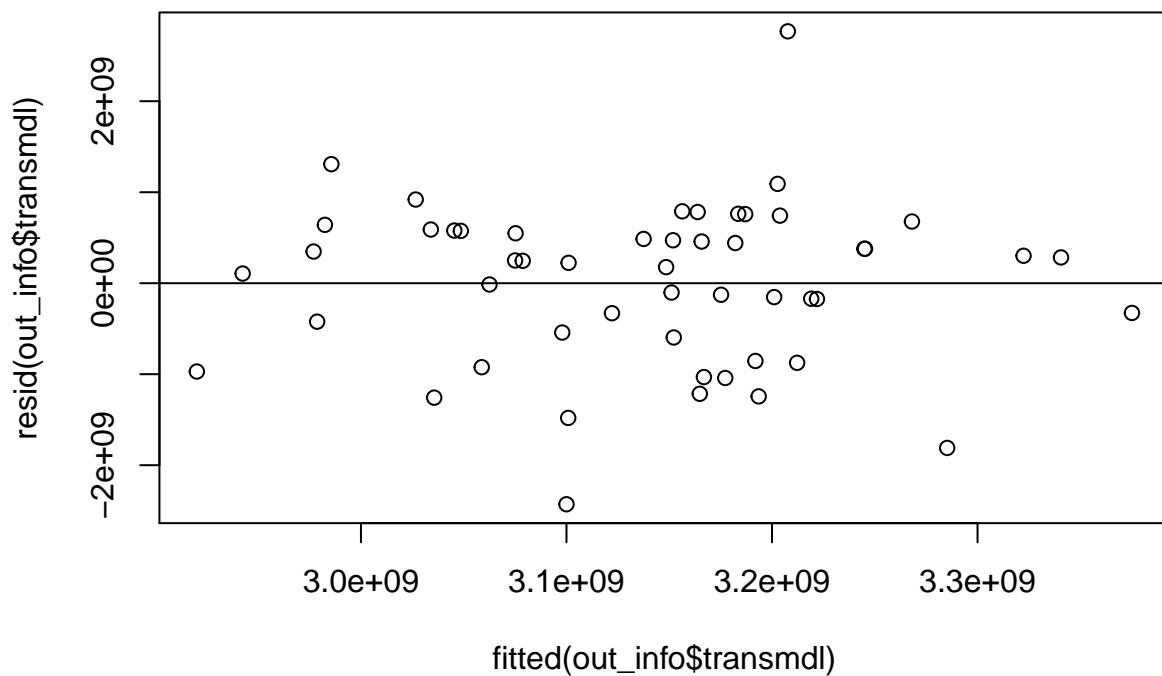
### Normal Q-Q Plot



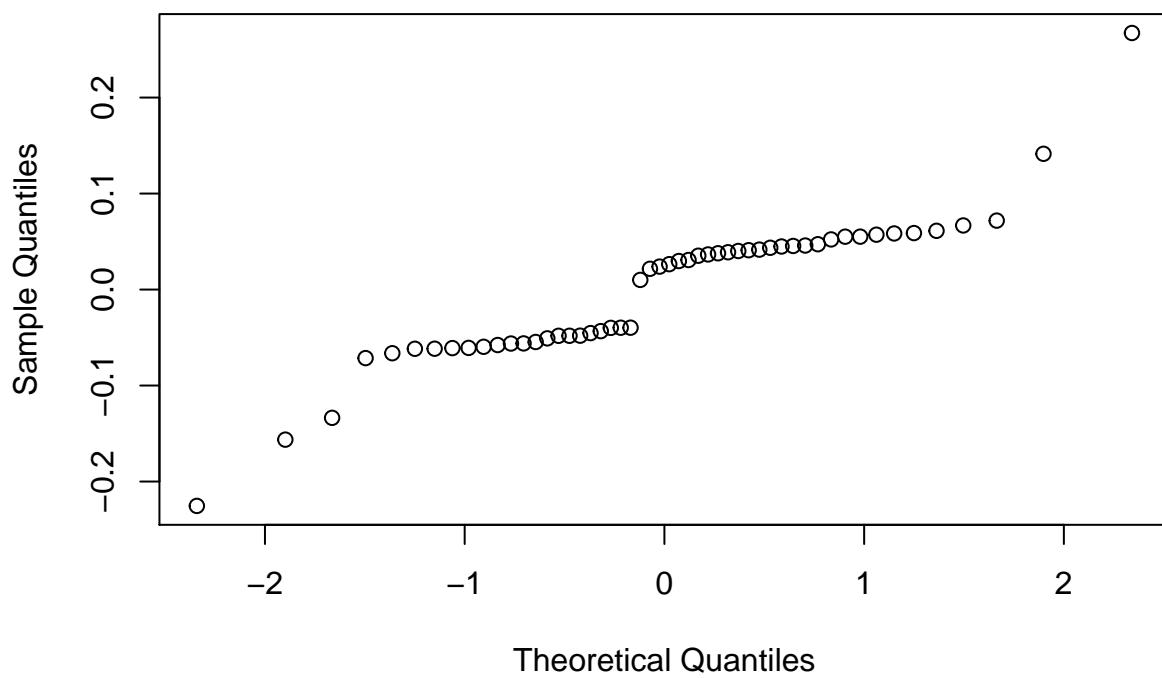
**Plot of PFDEAorig+  
Plot of PFDEAorigtotal.duration.hrs  
Plot of PFDEAorigEthnicity**



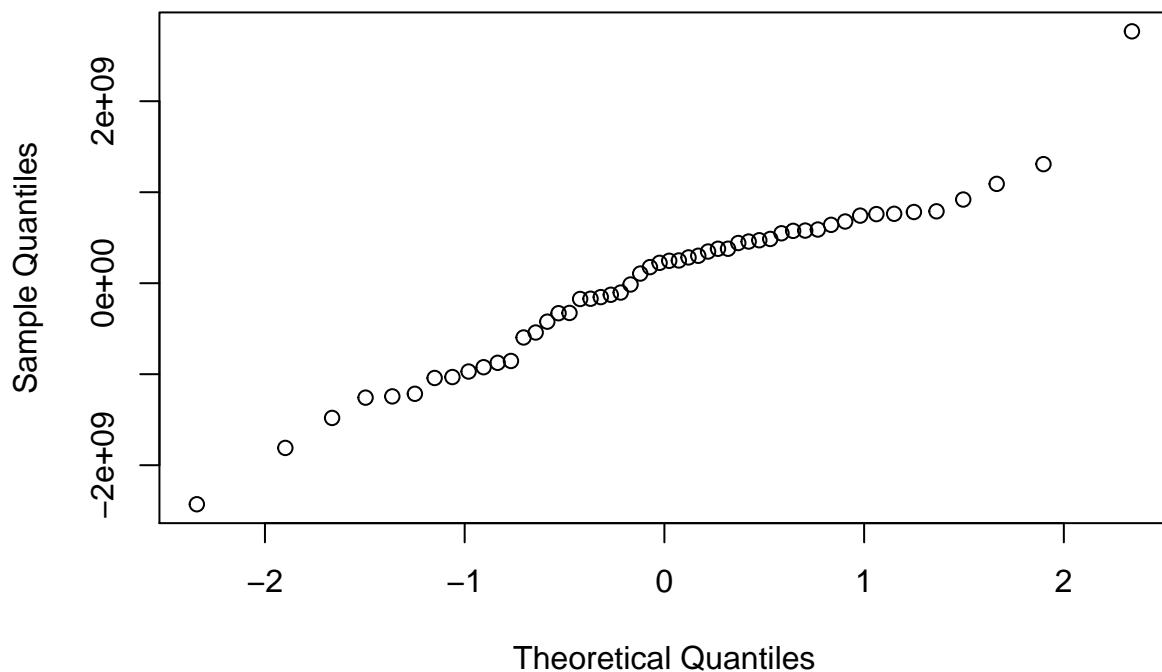
**Plot of SmPFOStrans+  
Plot of SmPFOStran\$total.duration.hrs  
Plot of SmPFOStransEthnicity**



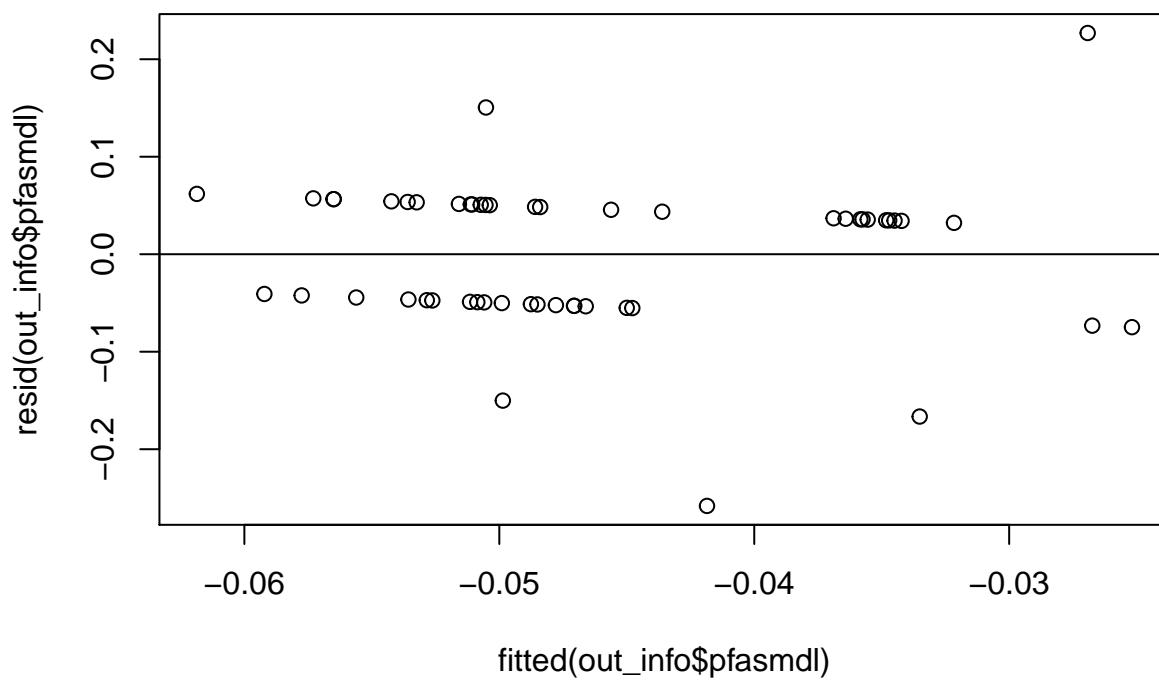
**Normal Q-Q Plot**



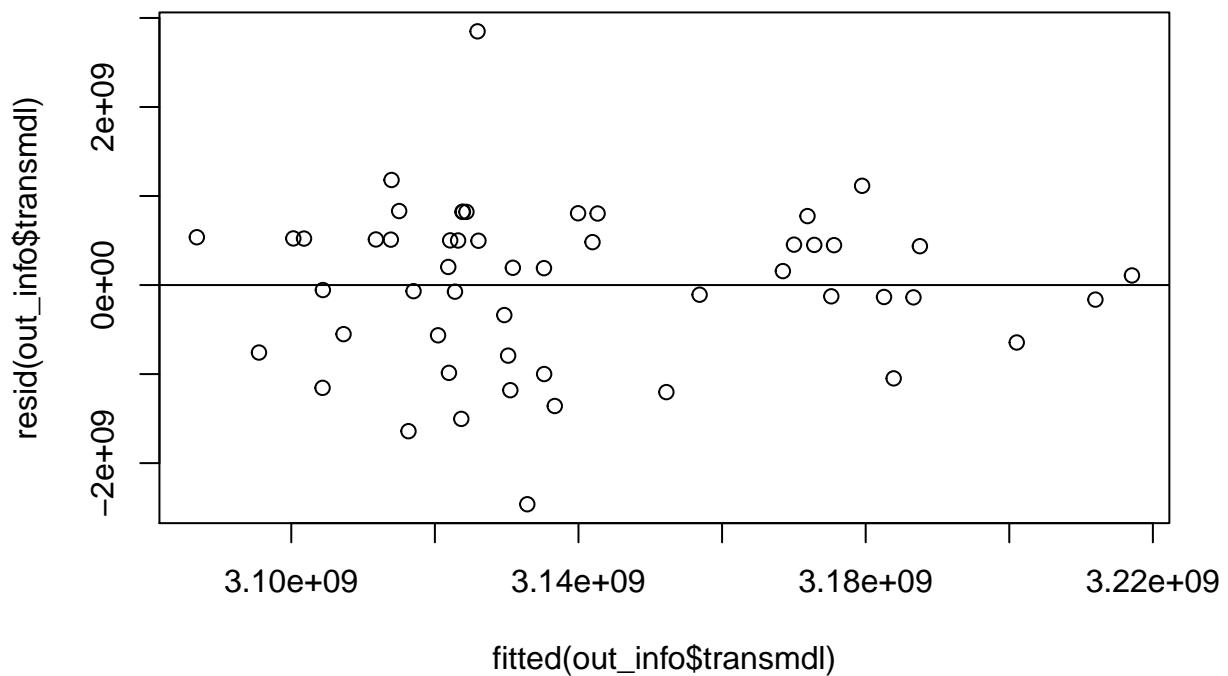
### Normal Q-Q Plot



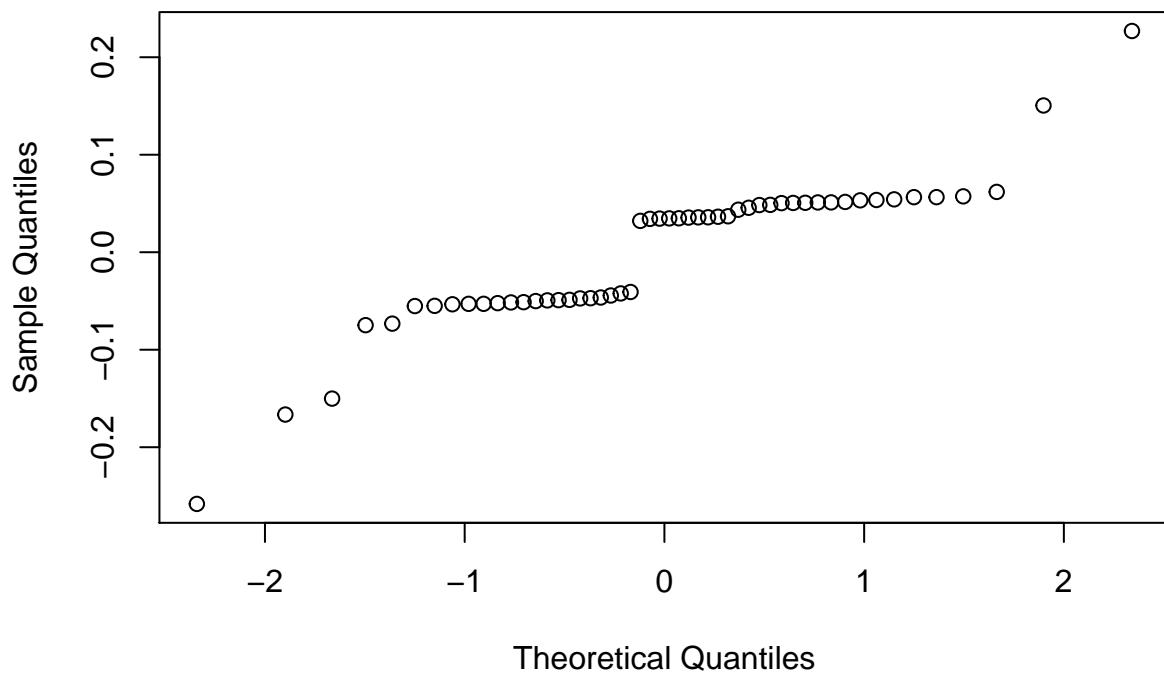
**Plot of PFDEAorig+  
Plot of PFDEAorigstr.duration.hrs  
Plot of PFDEAorigEthnicity**



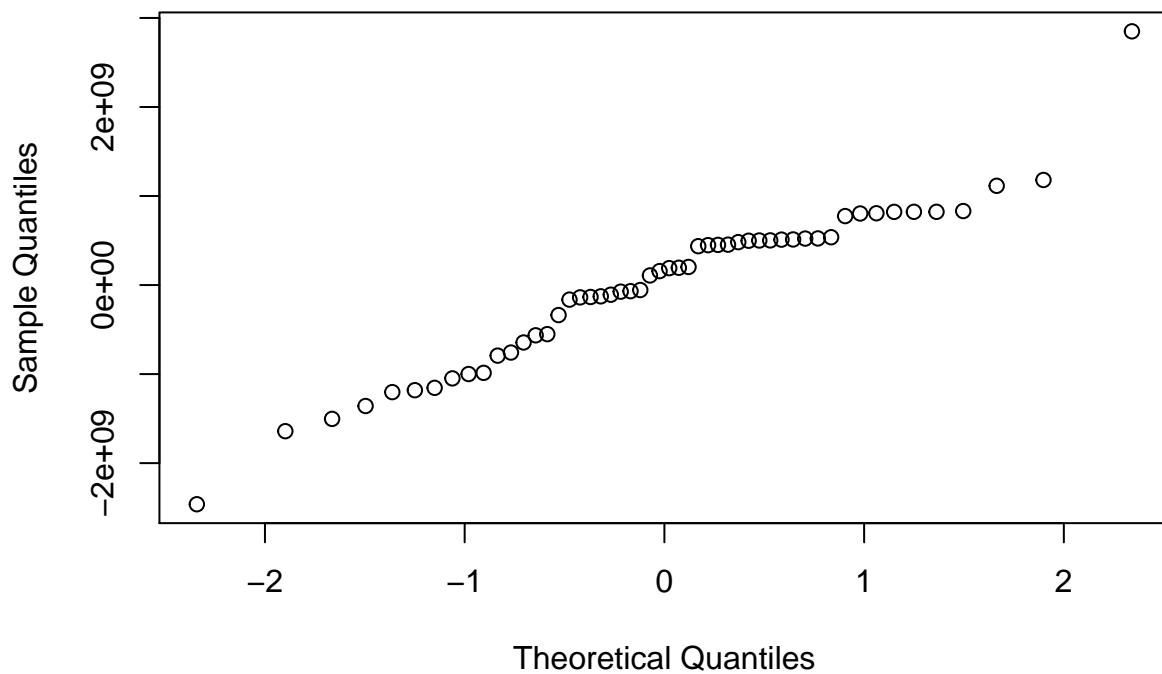
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



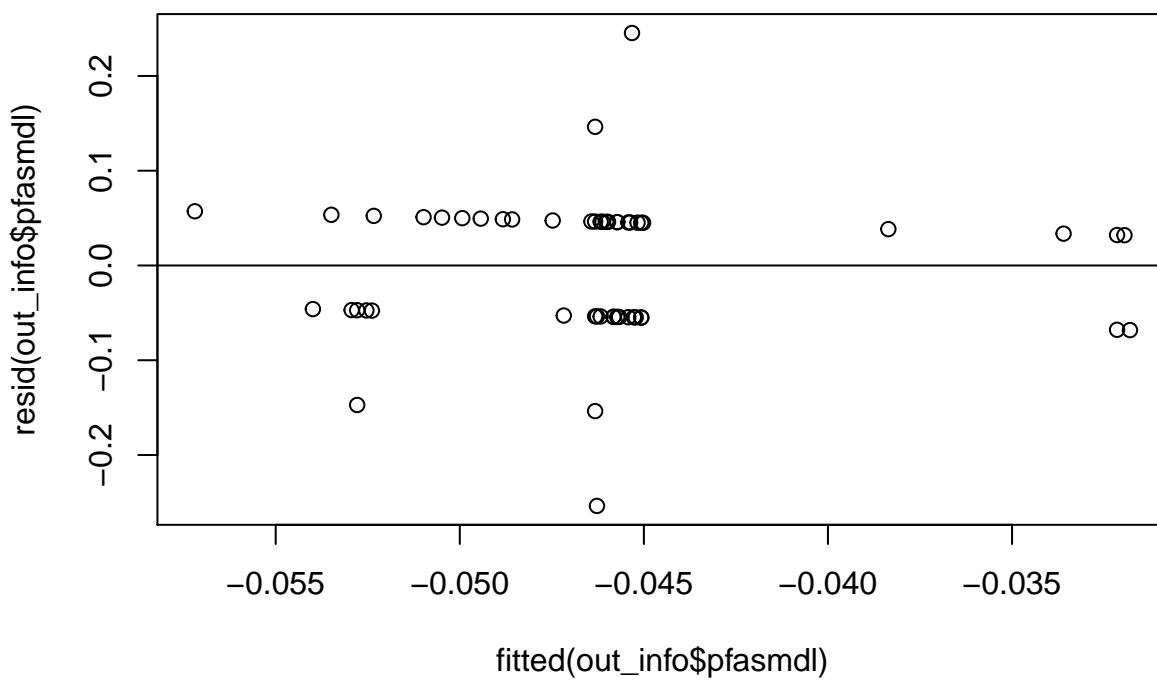
**Normal Q-Q Plot**



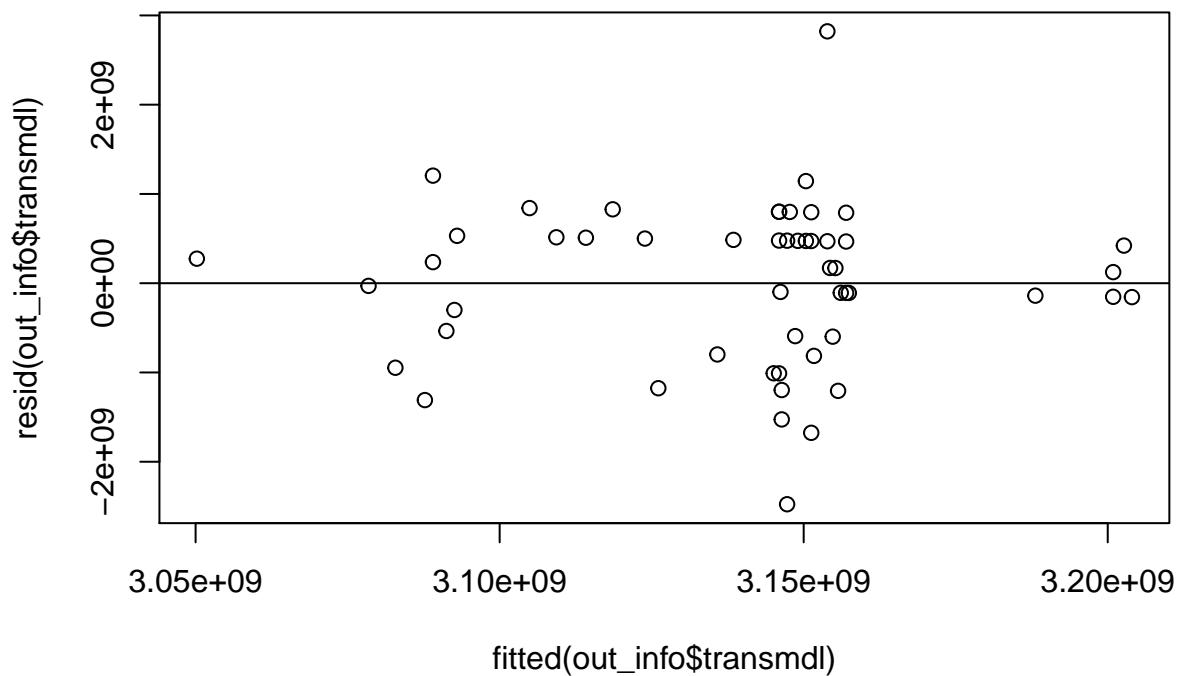
### Normal Q-Q Plot



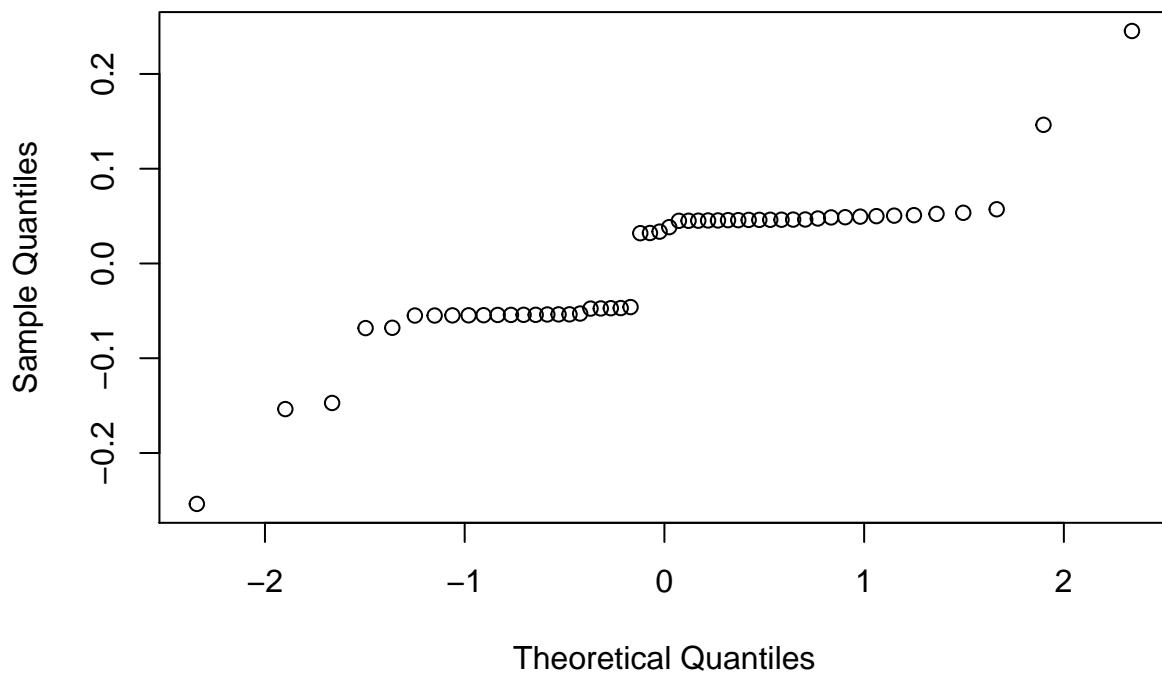
**Plot of PFDEAorig+**  
**Plot of PFDEAorigdays.since.MRF**  
**Plot of PFDEAorigEthnicity**

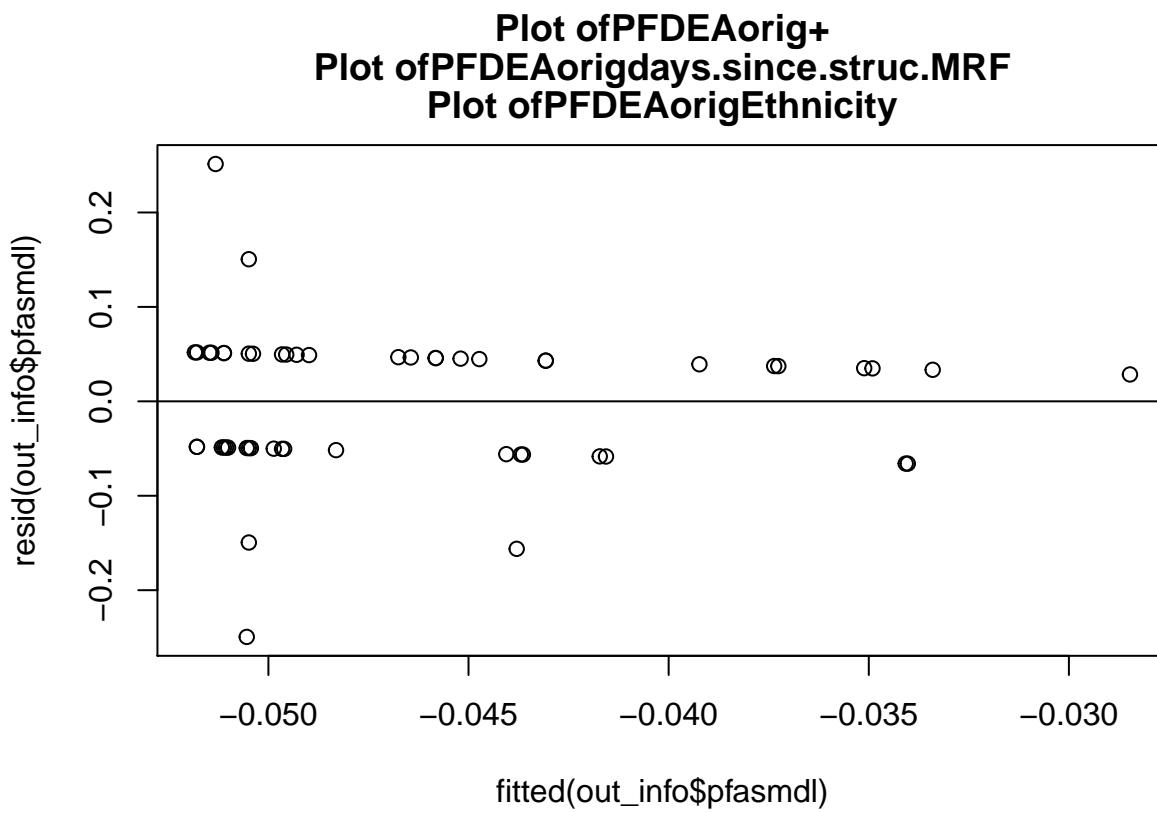
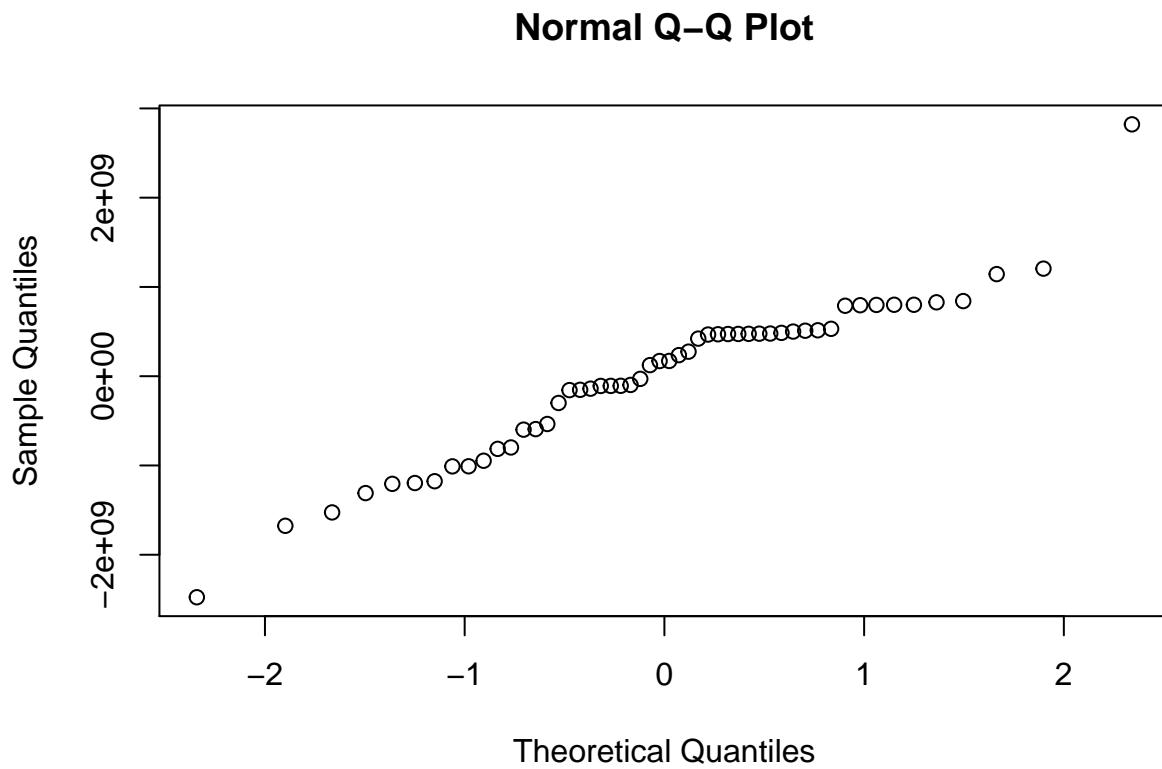


**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**

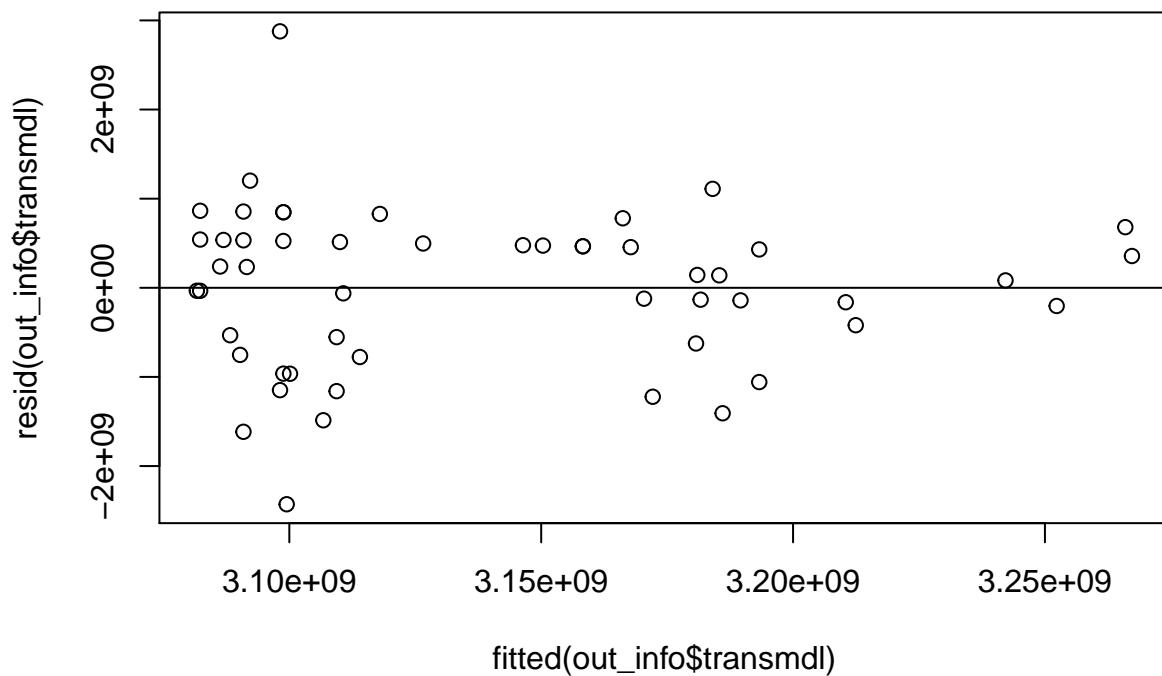


**Normal Q-Q Plot**

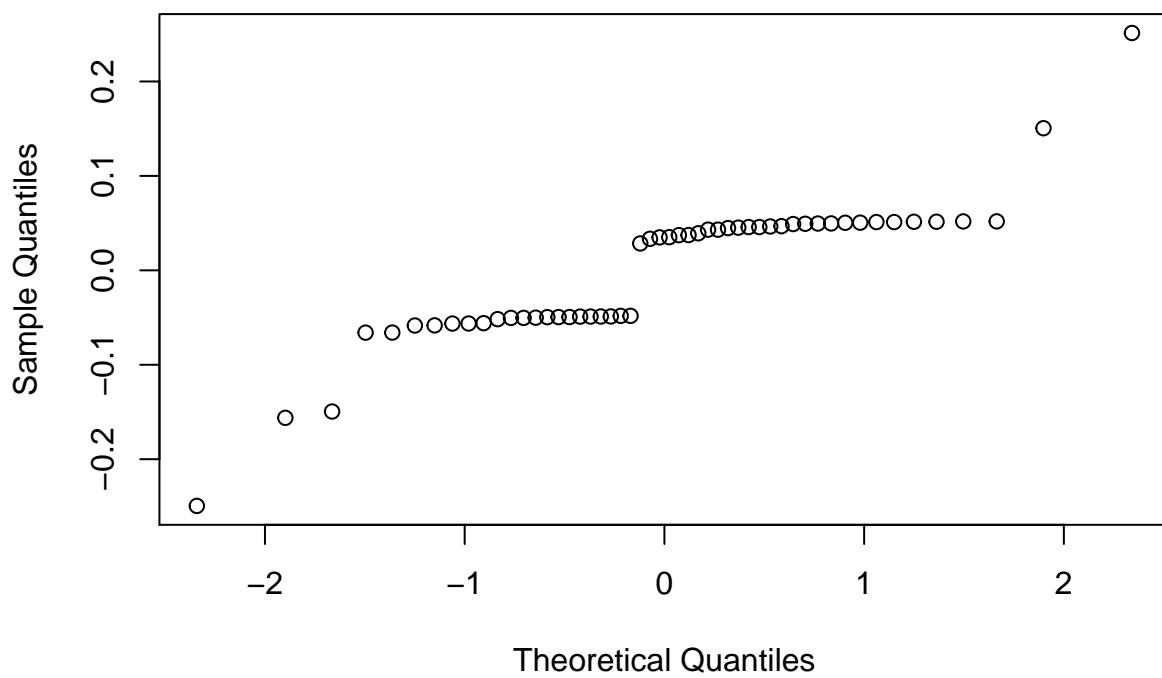




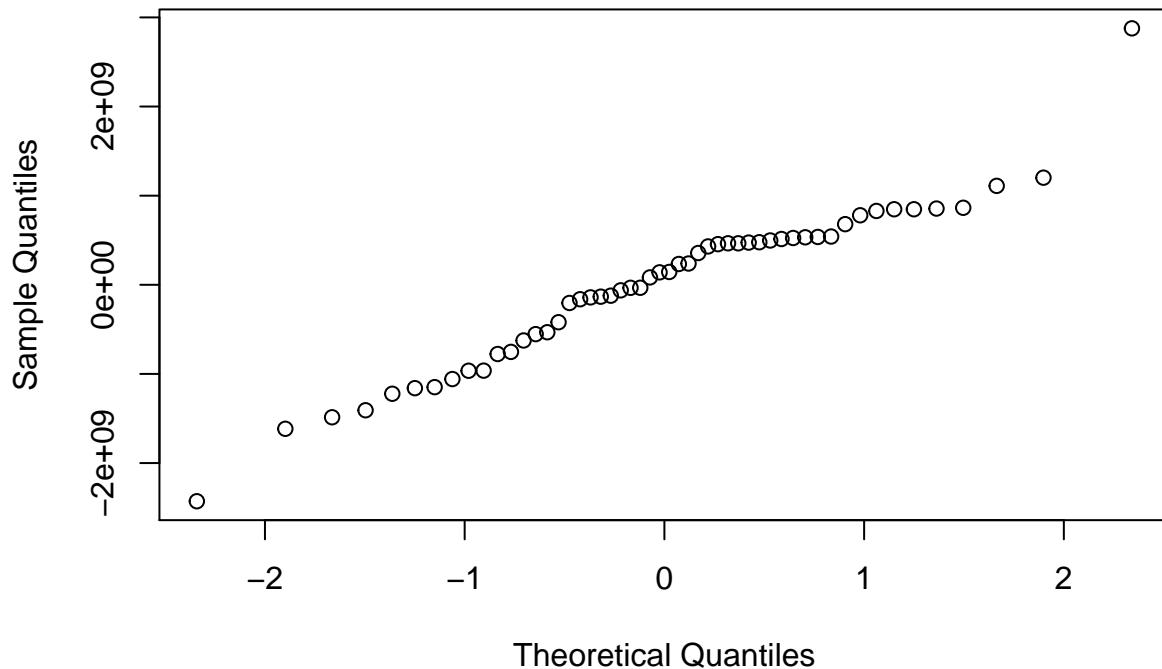
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



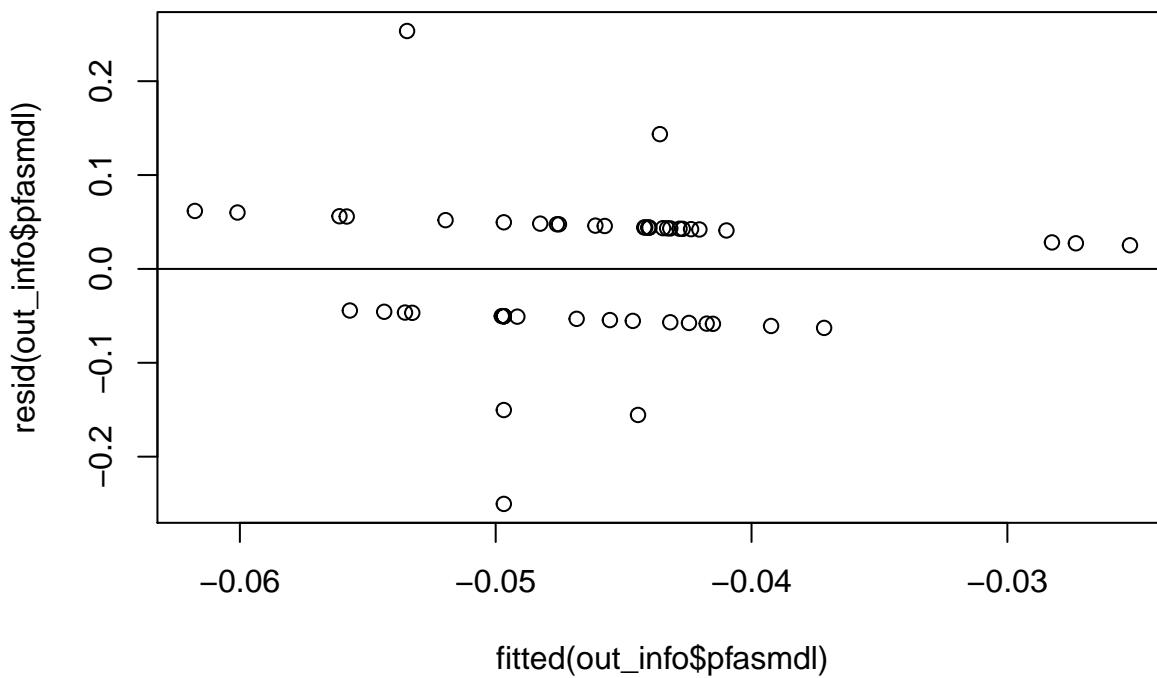
**Normal Q-Q Plot**



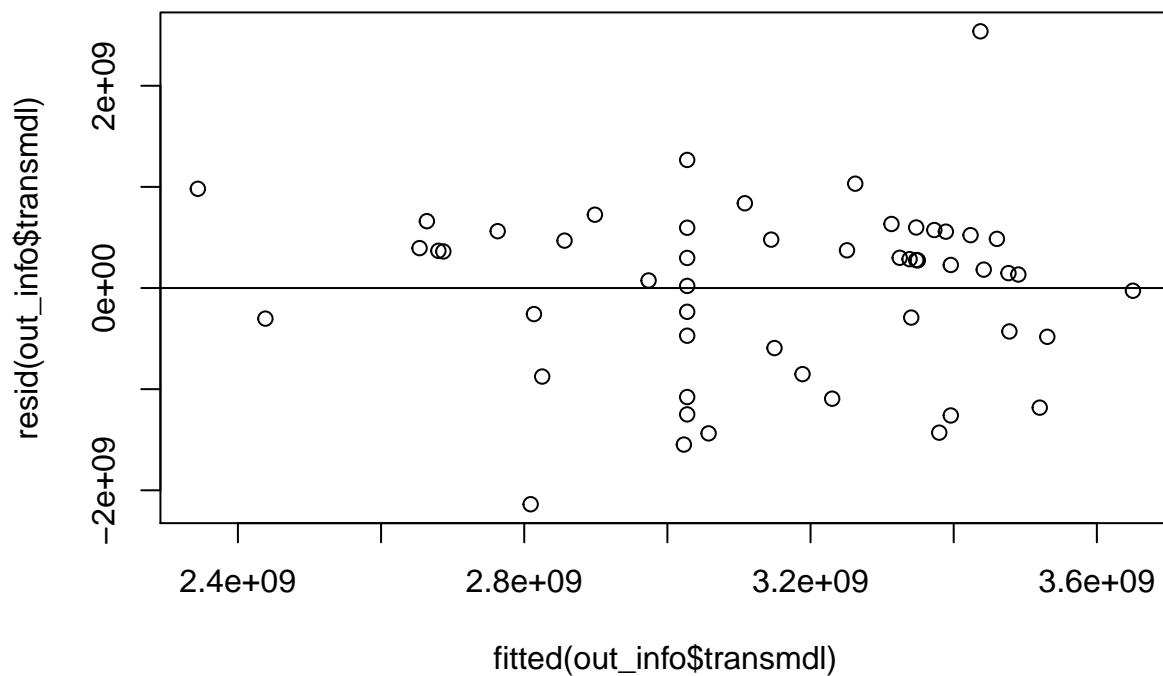
### Normal Q-Q Plot



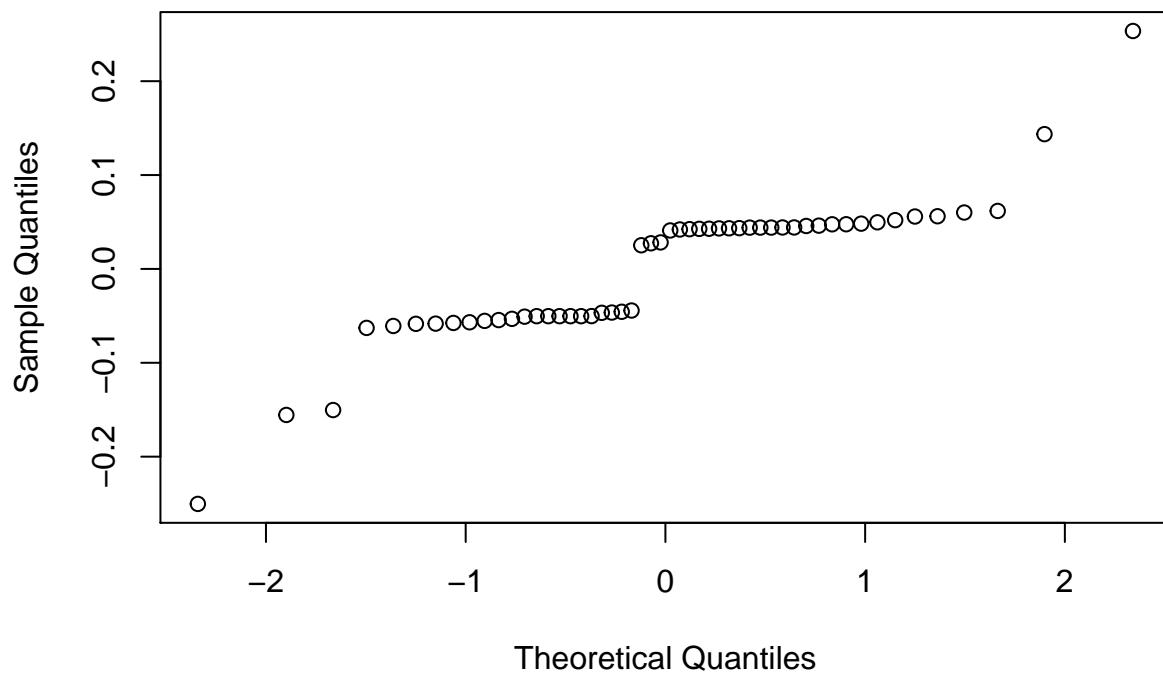
**Plot of PFDEAorig+**  
**Plot of PFDEAorigtime.since.baseline**  
**Plot of PFDEAorigEthnicity**



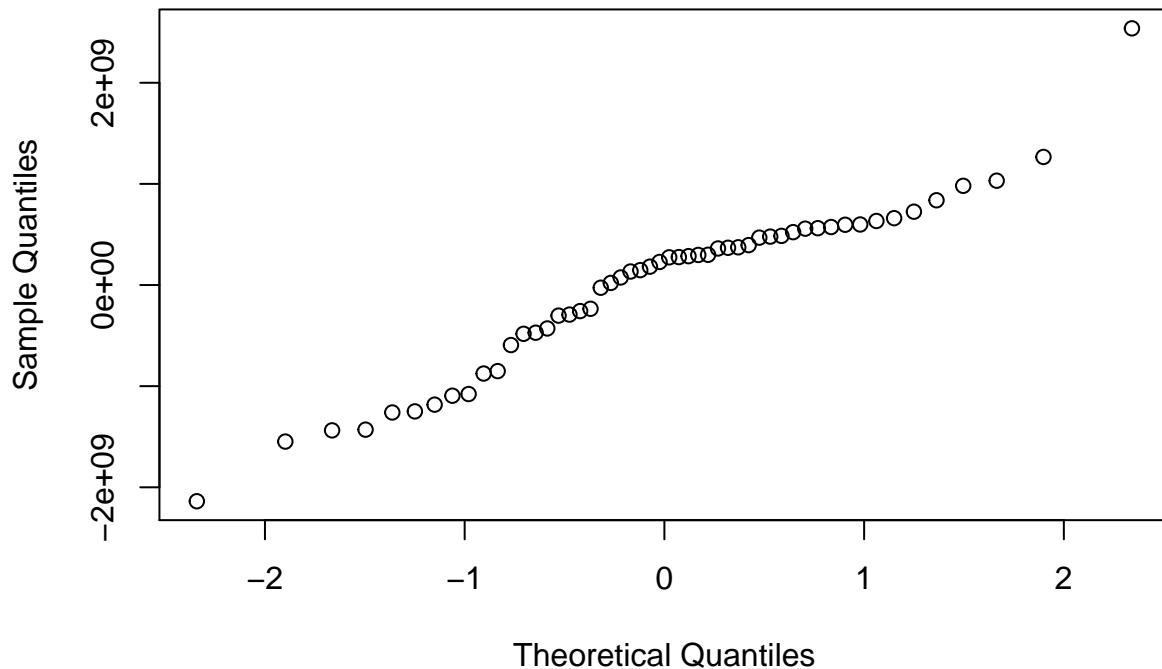
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



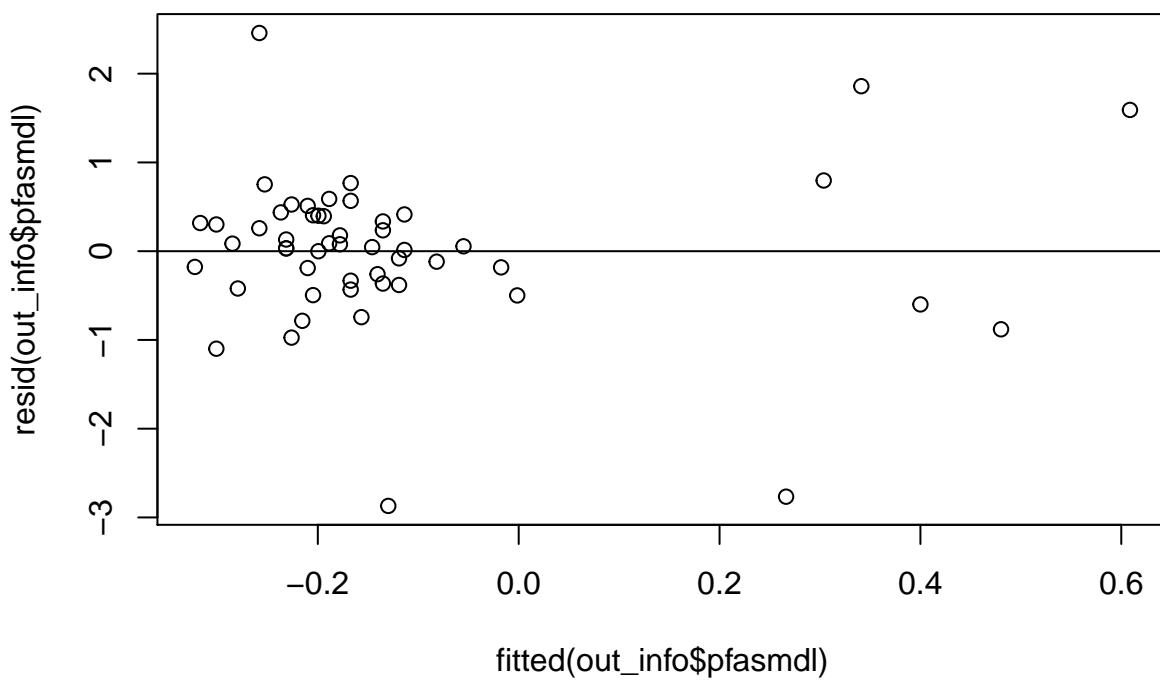
**Normal Q-Q Plot**



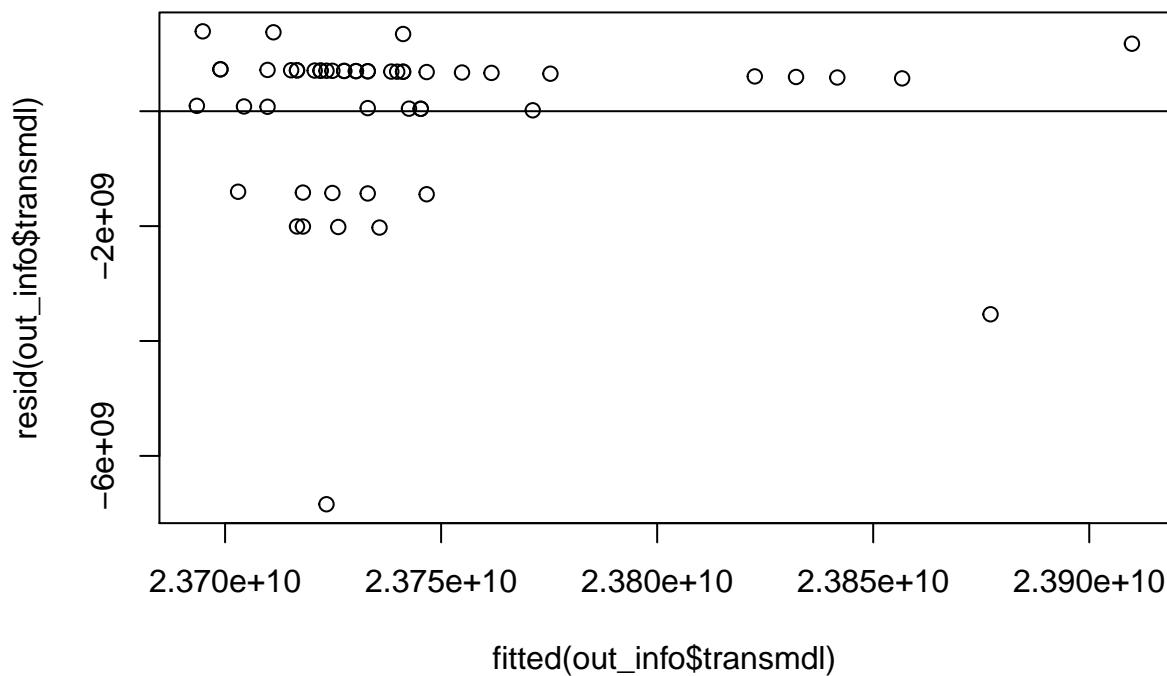
### Normal Q-Q Plot



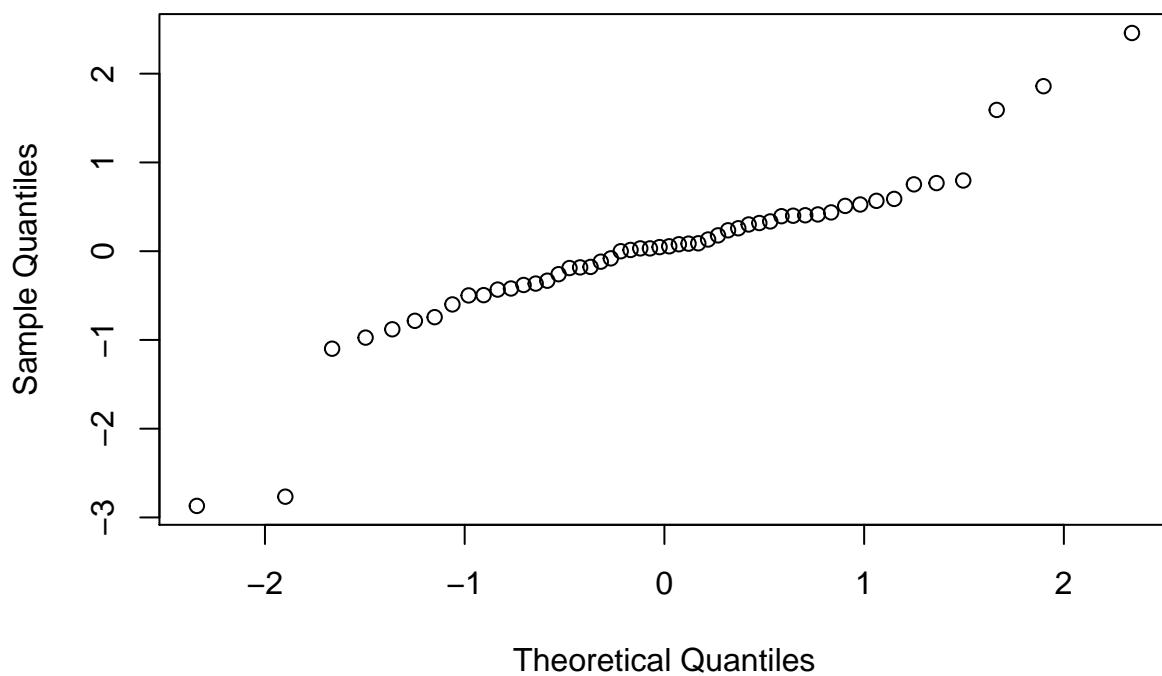
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.num.fireruns  
Plot of PFHX\$orig\$Ethnicity**



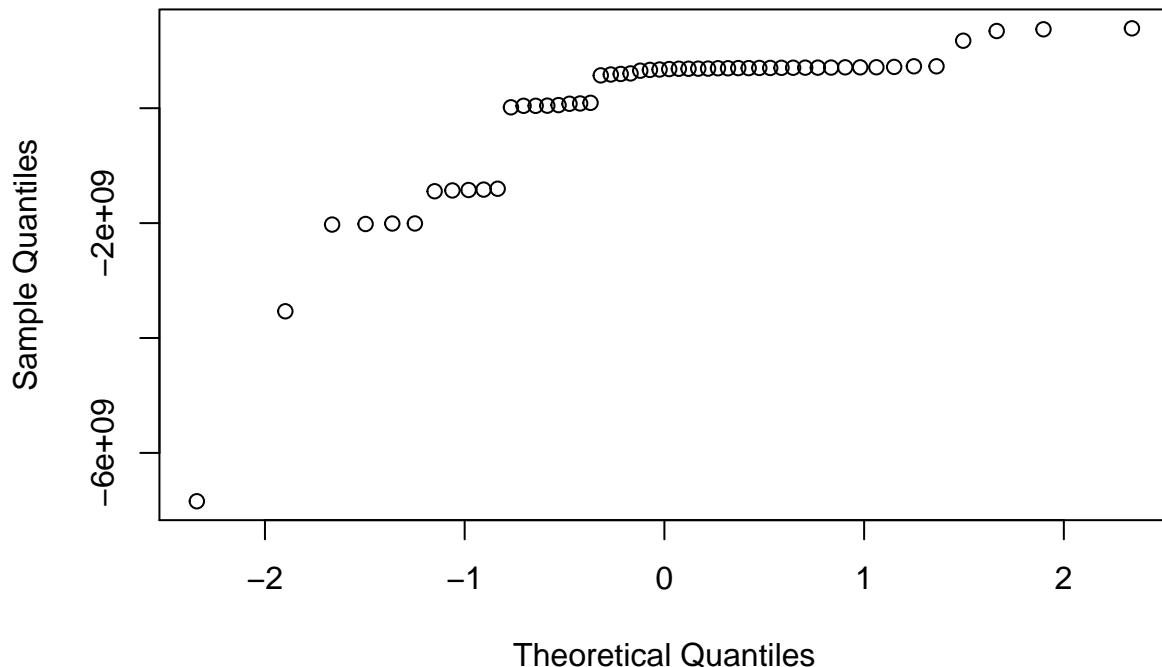
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



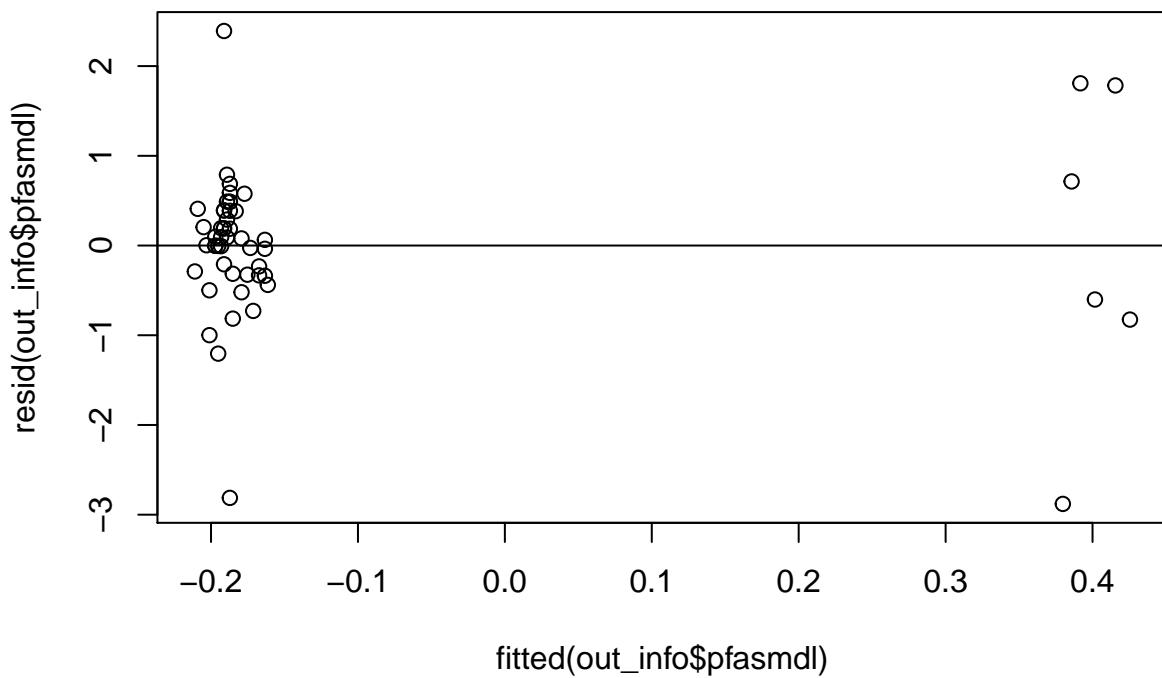
**Normal Q-Q Plot**



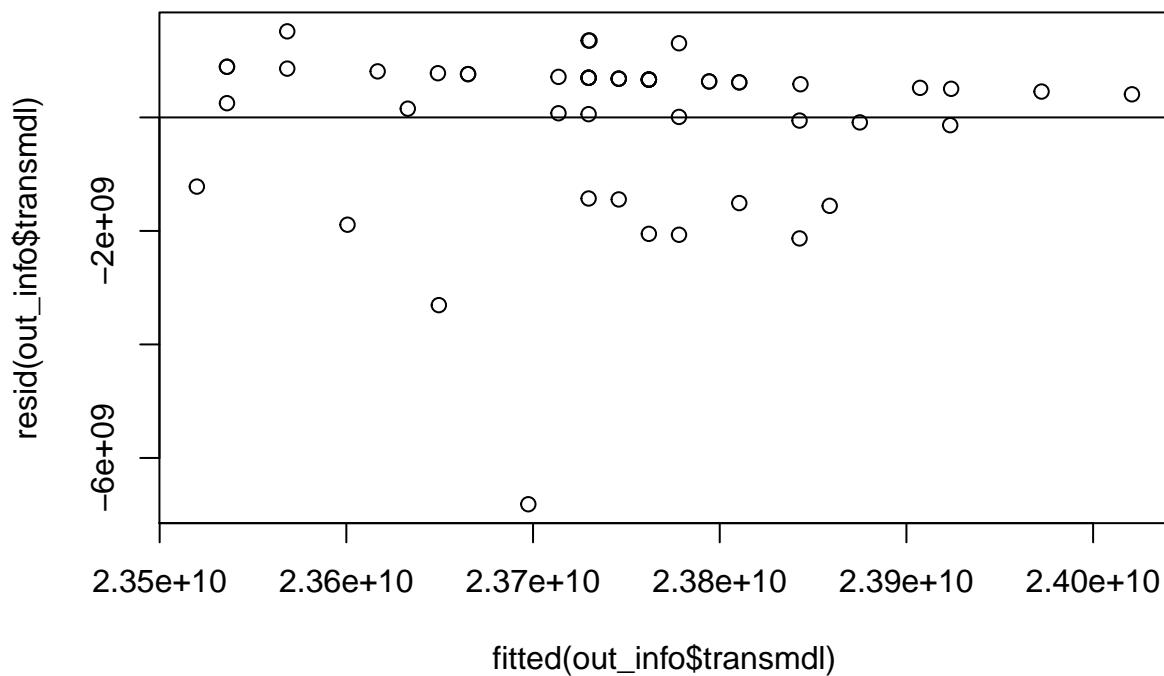
### Normal Q-Q Plot



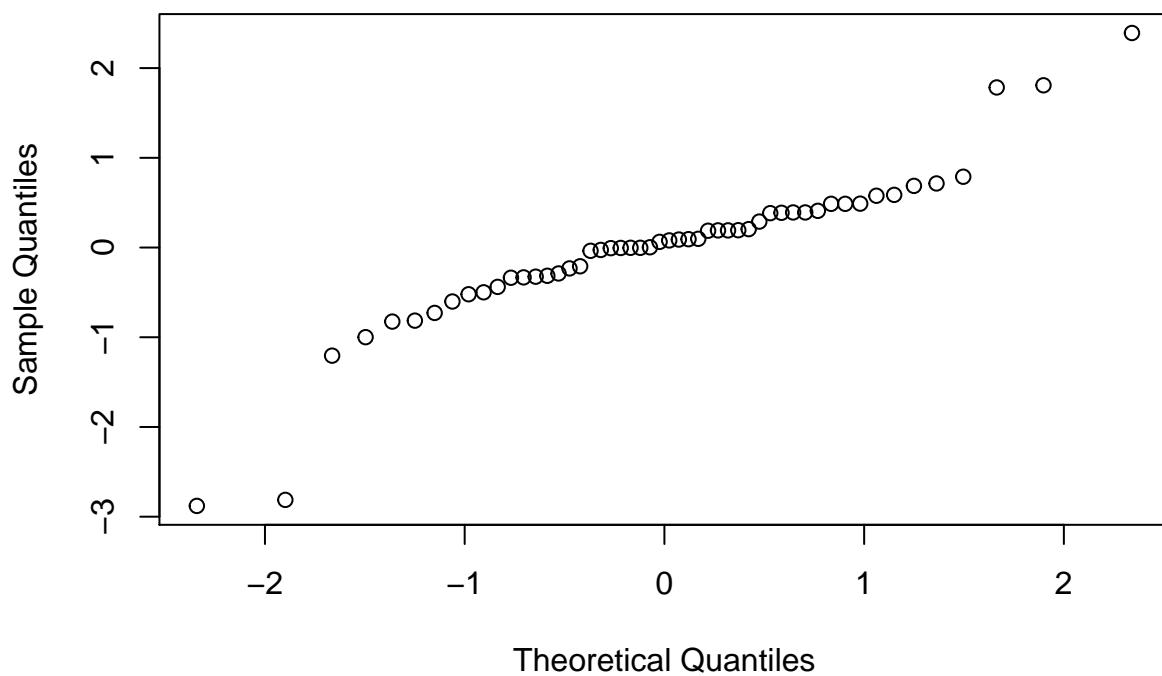
**Plot of PFHX\$orig +  
Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



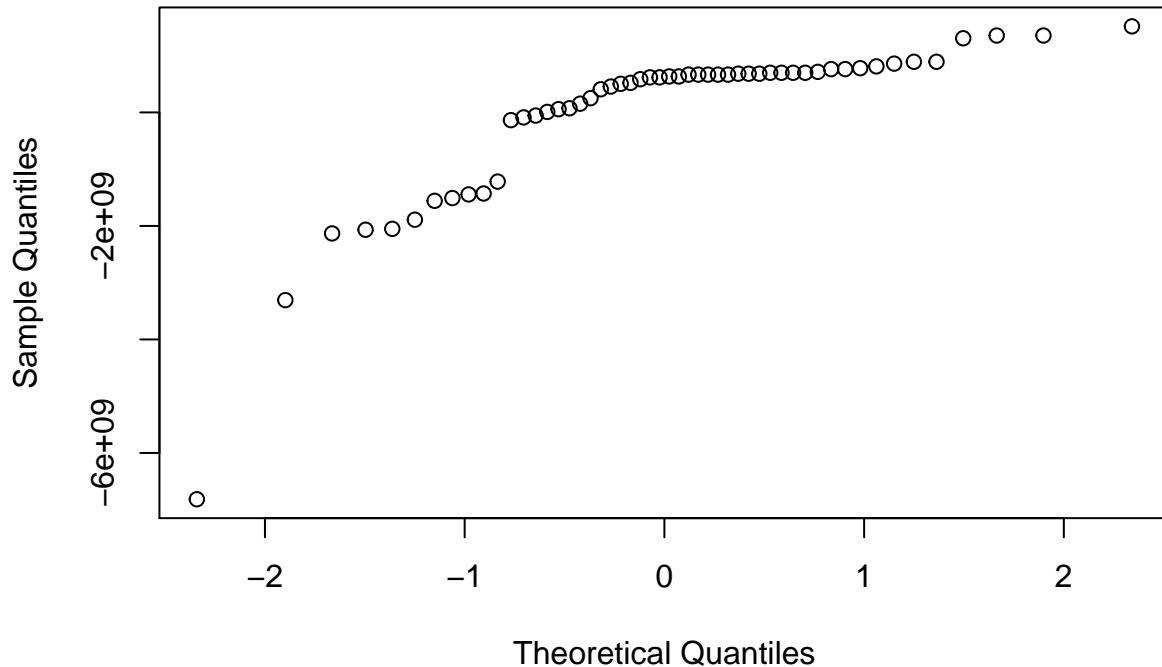
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.num.fireruns  
Plot of PFOSAtransEthnicity**



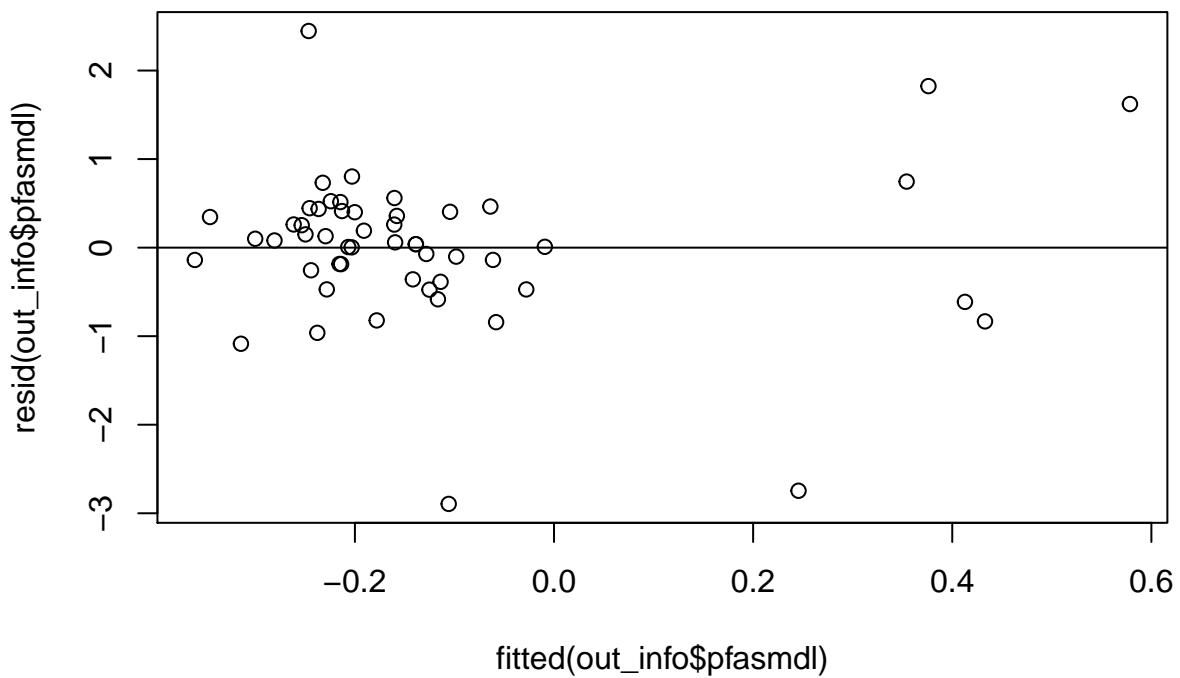
**Normal Q-Q Plot**



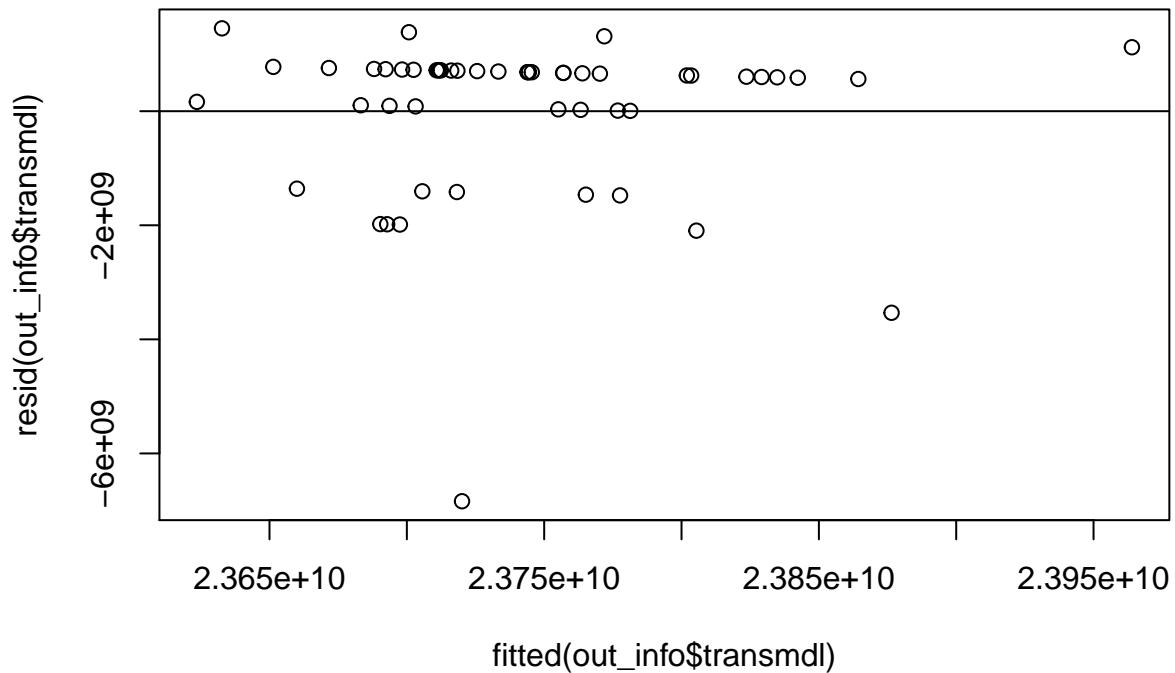
### Normal Q-Q Plot



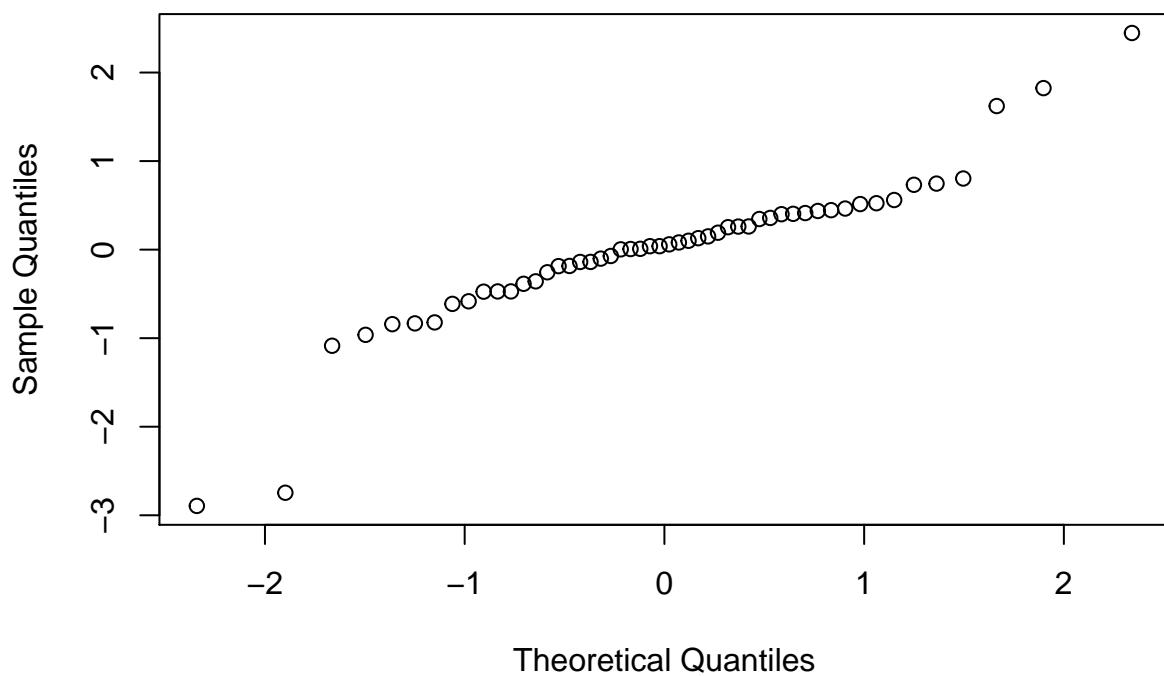
**Plot of PFHX\$orig +  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity**



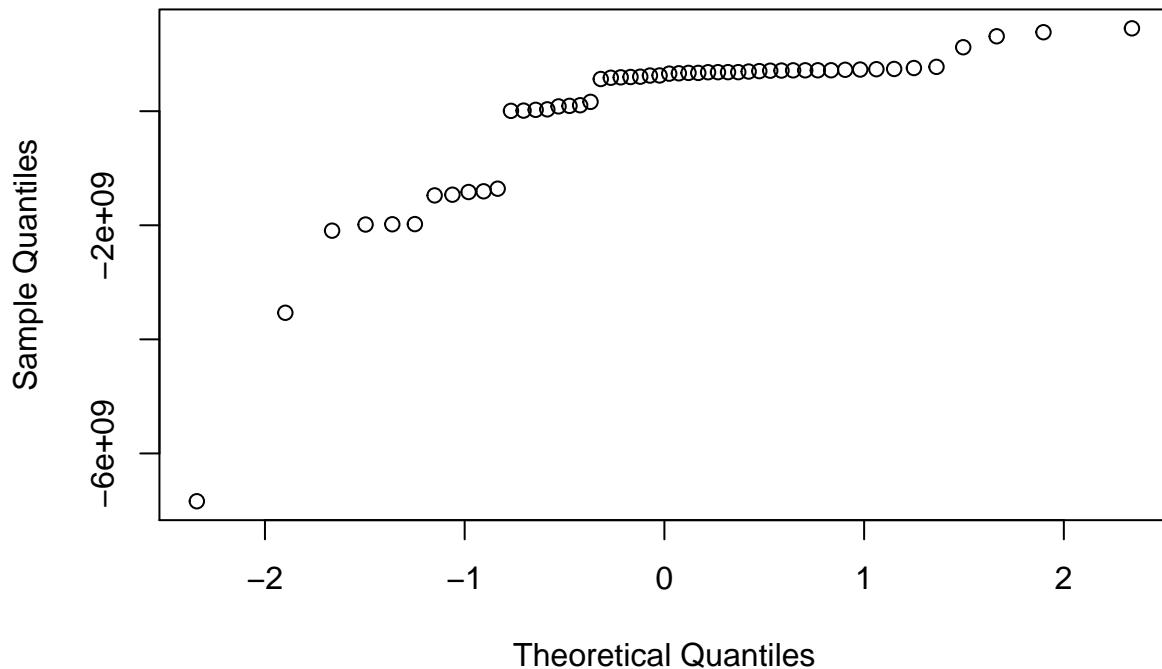
**Plot of PFOSAtrans+  
Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



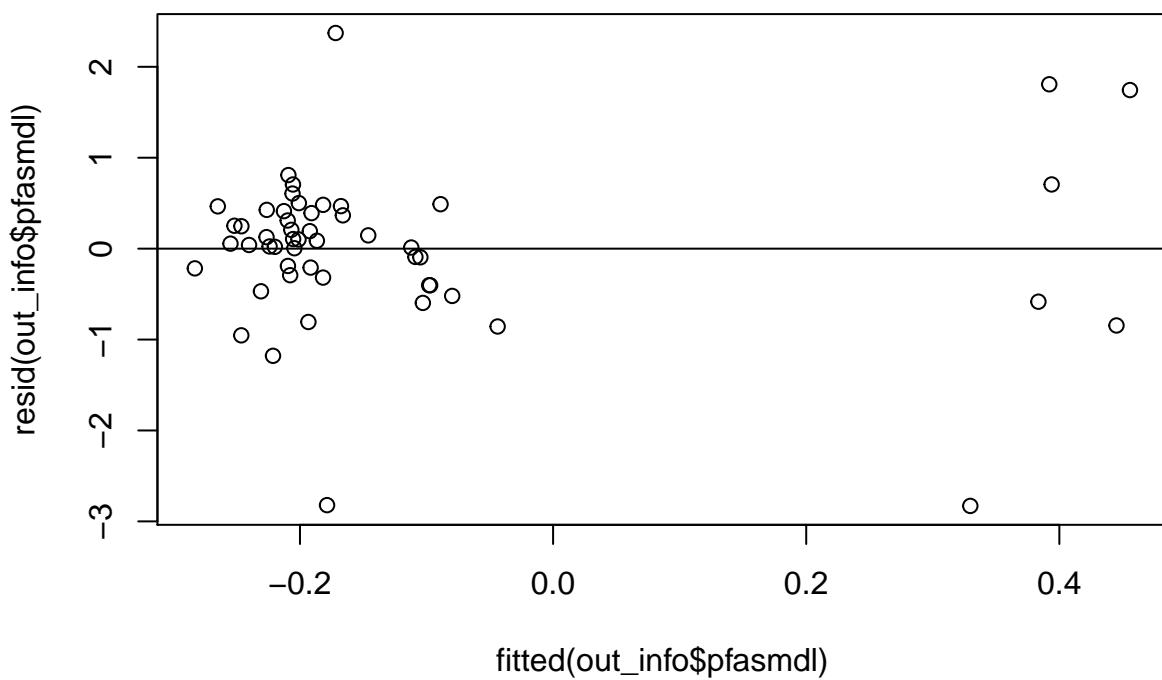
**Normal Q-Q Plot**



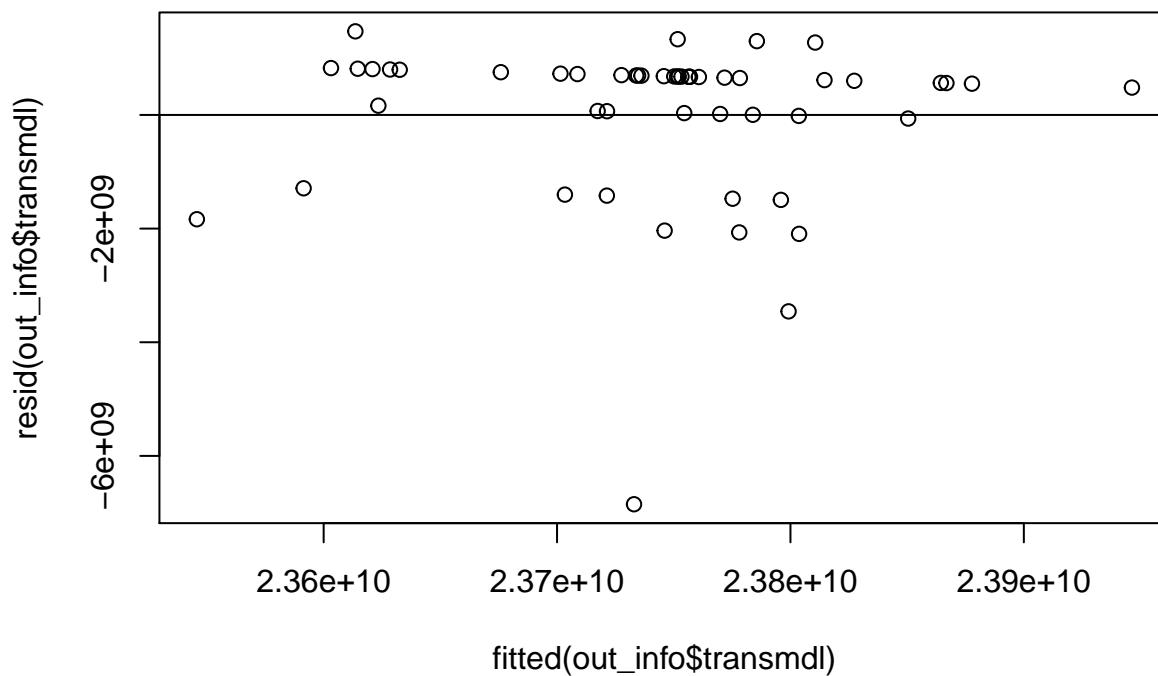
### Normal Q-Q Plot



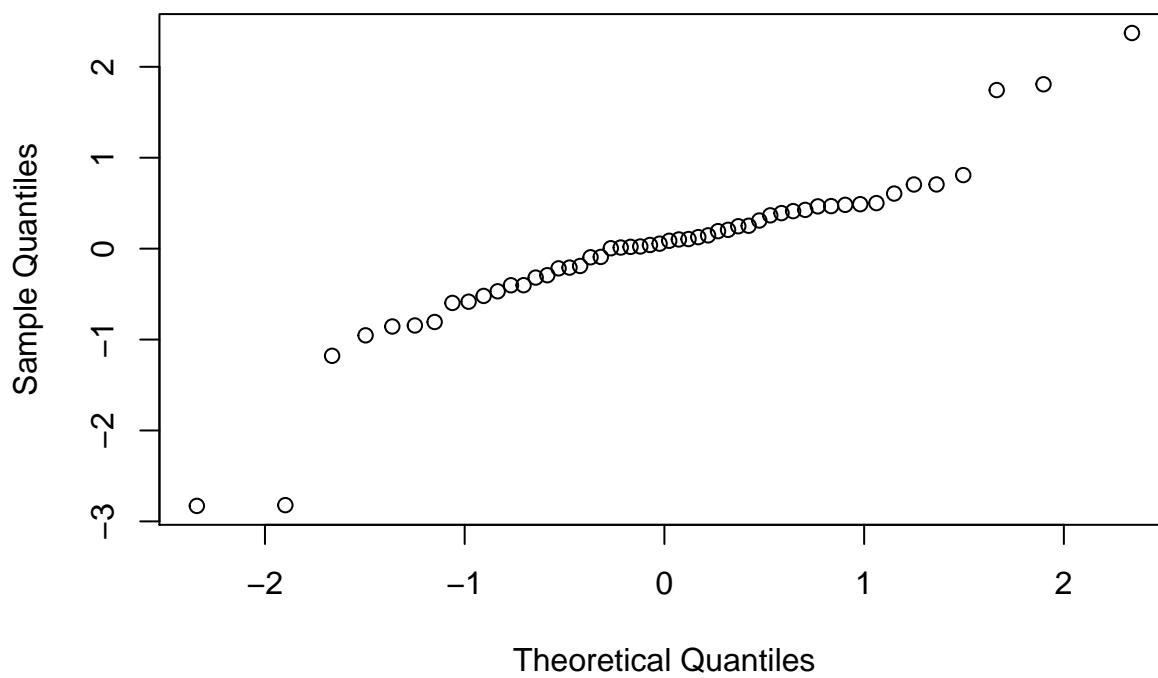
Plot of PFHX\$orig+  
Plot of PFHX\$origstr.duration.hrs  
Plot of PFHX\$origEthnicity



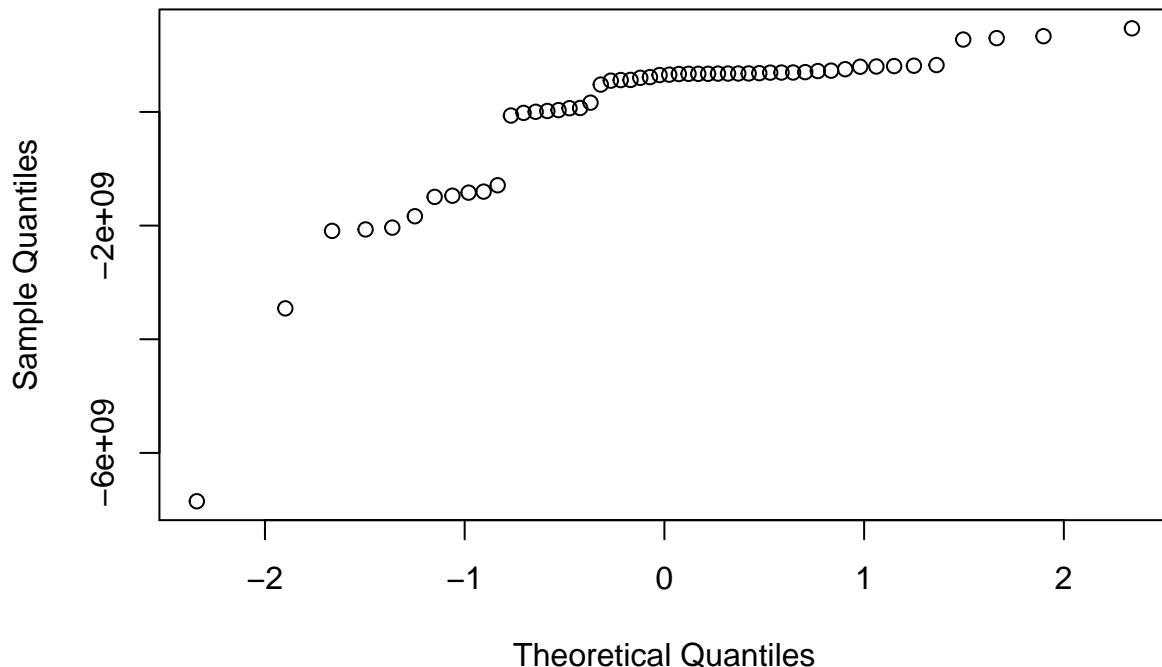
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.duration.hrs  
Plot of PFOSAtransEthnicity**



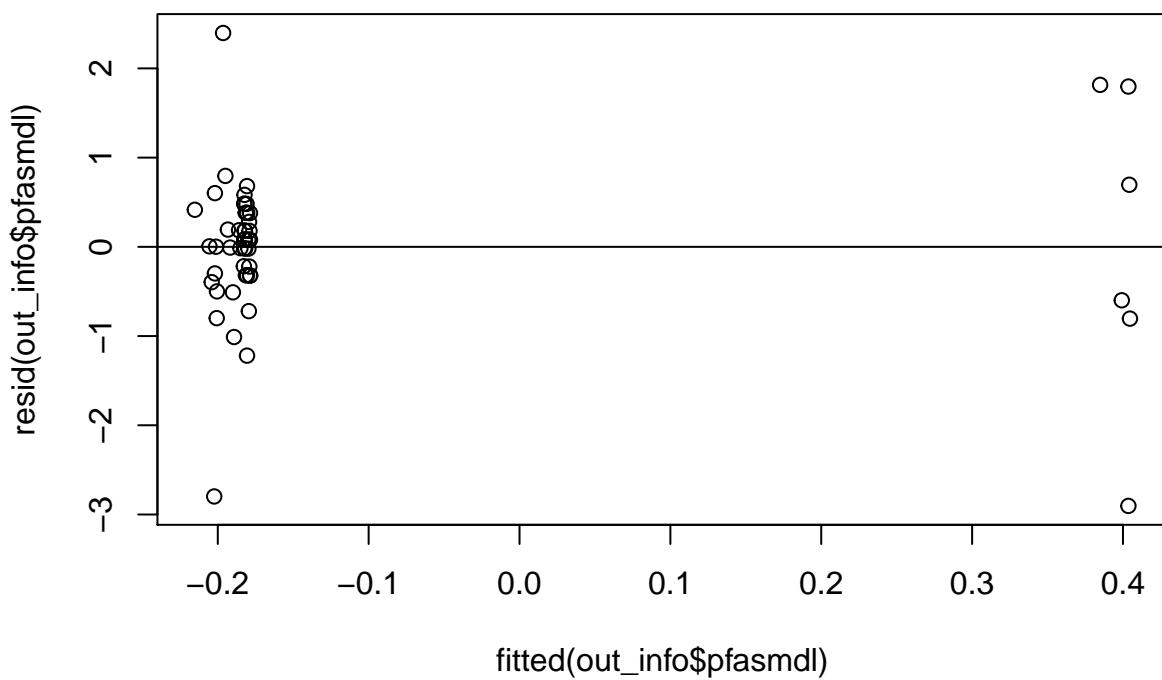
**Normal Q-Q Plot**



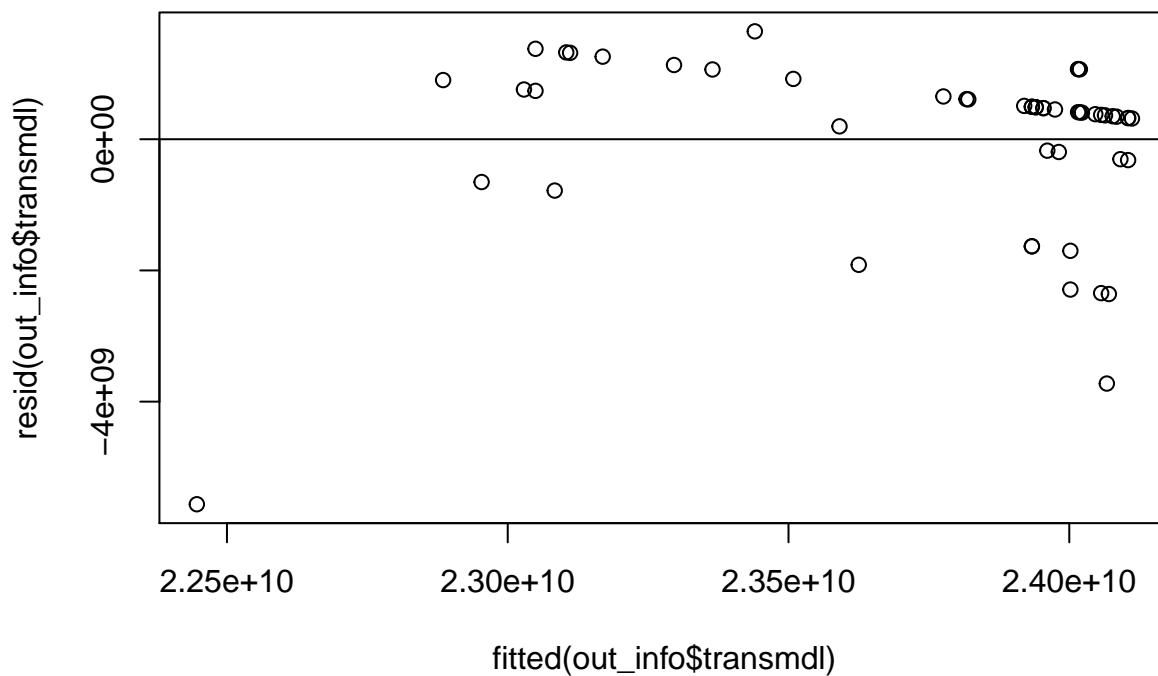
### Normal Q-Q Plot



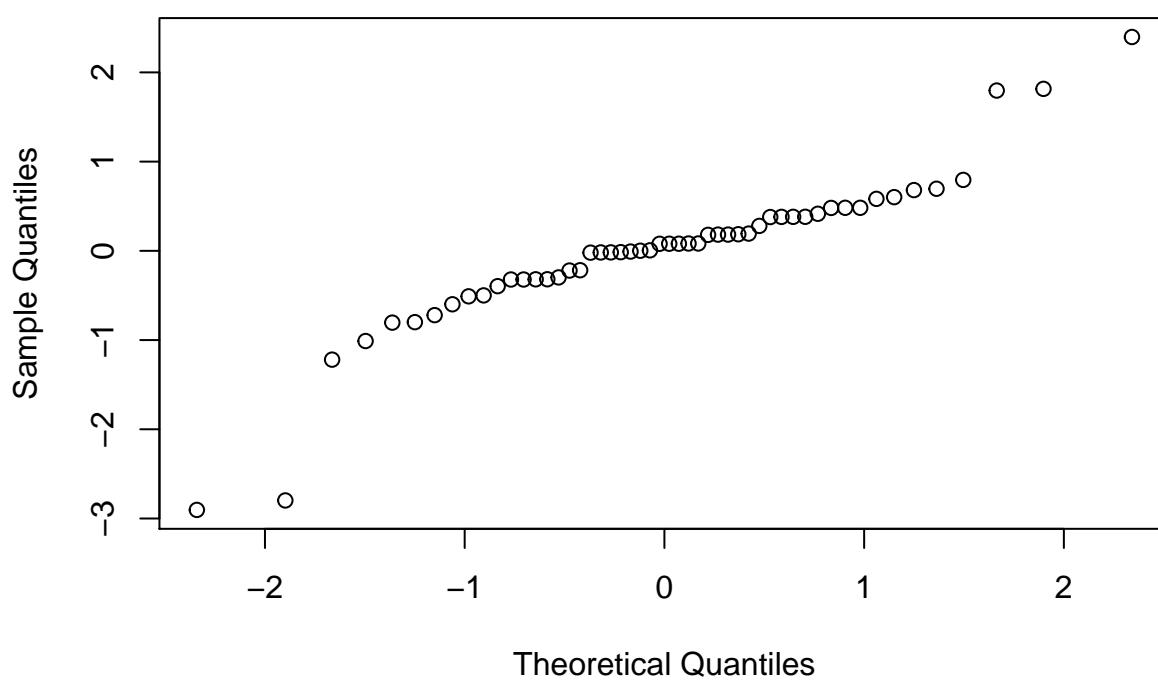
**Plot of PFHX\$orig +  
Plot of PFHX\$origdays.since.MRF  
Plot of PFHX\$origEthnicity**



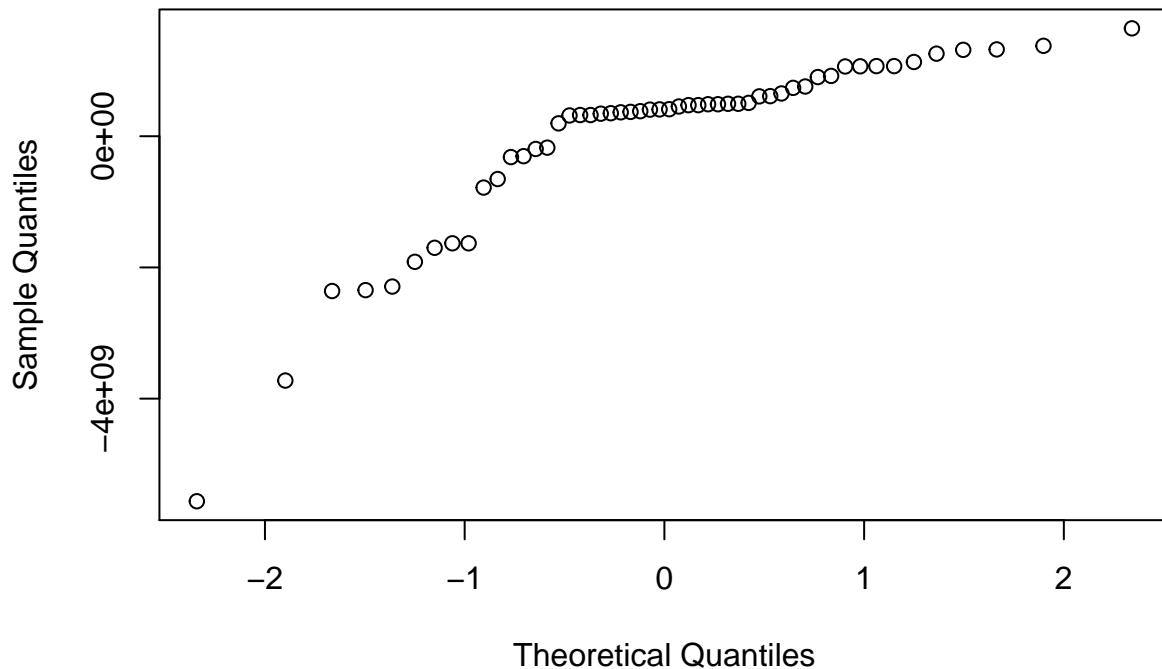
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



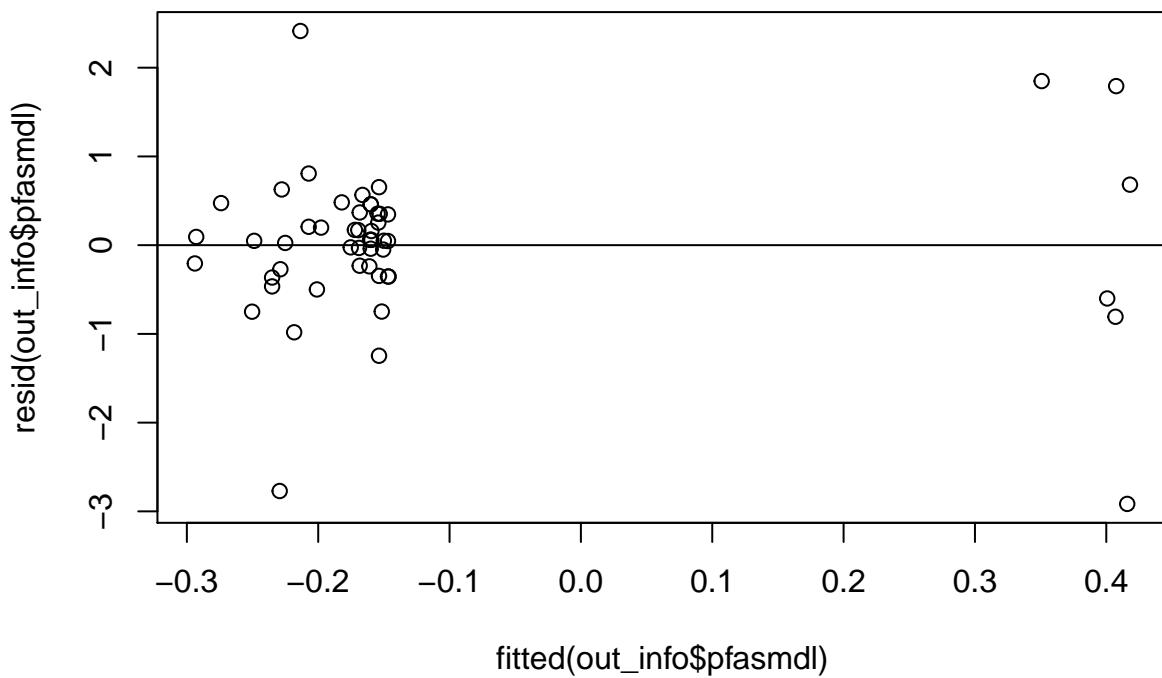
**Normal Q-Q Plot**



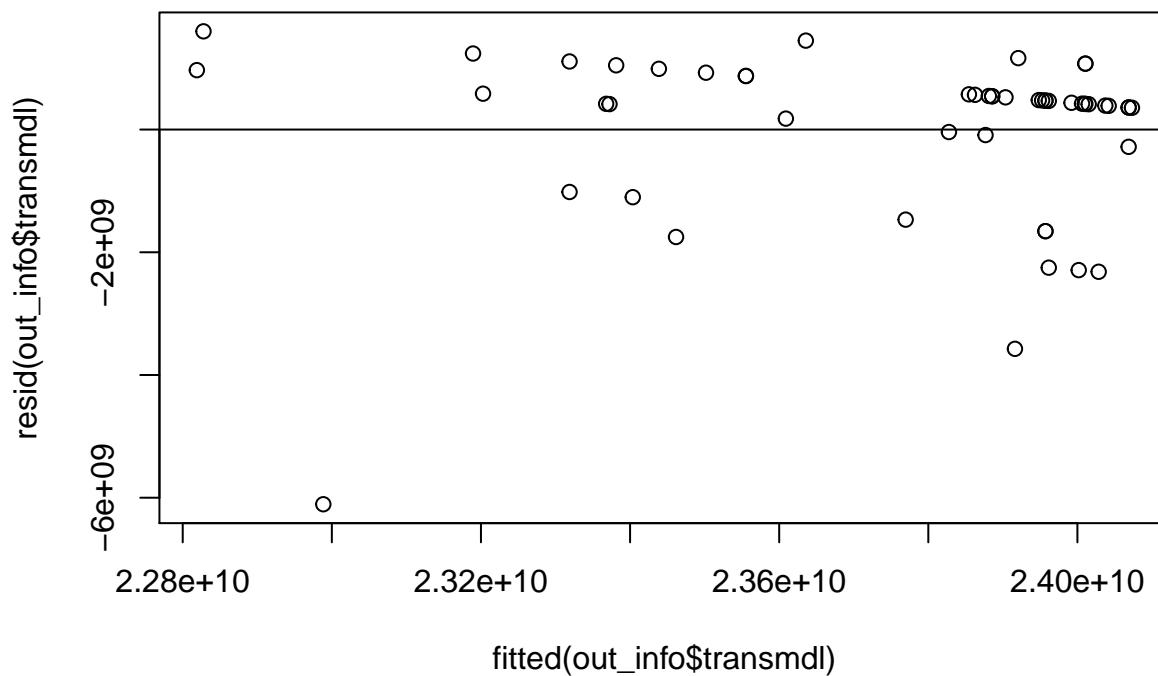
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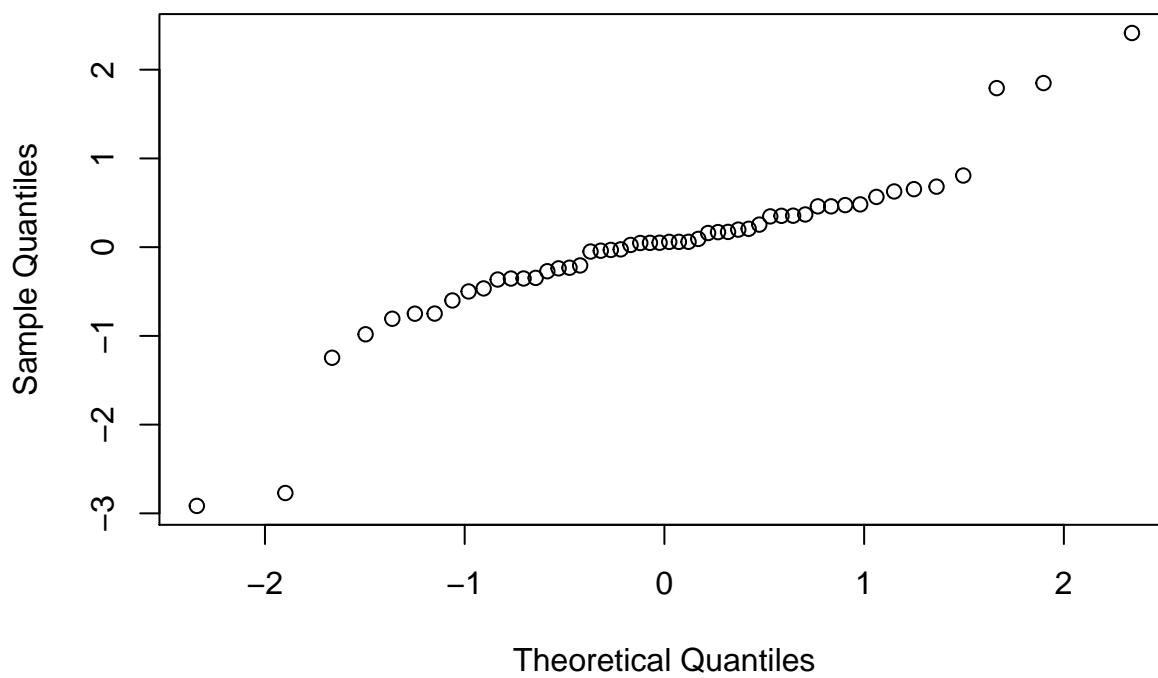
**Plot of PFHXSorig+**  
**Plot of PFHXSorigdays.since.struc.MRF**  
**Plot of PFHXSorigEthnicity**



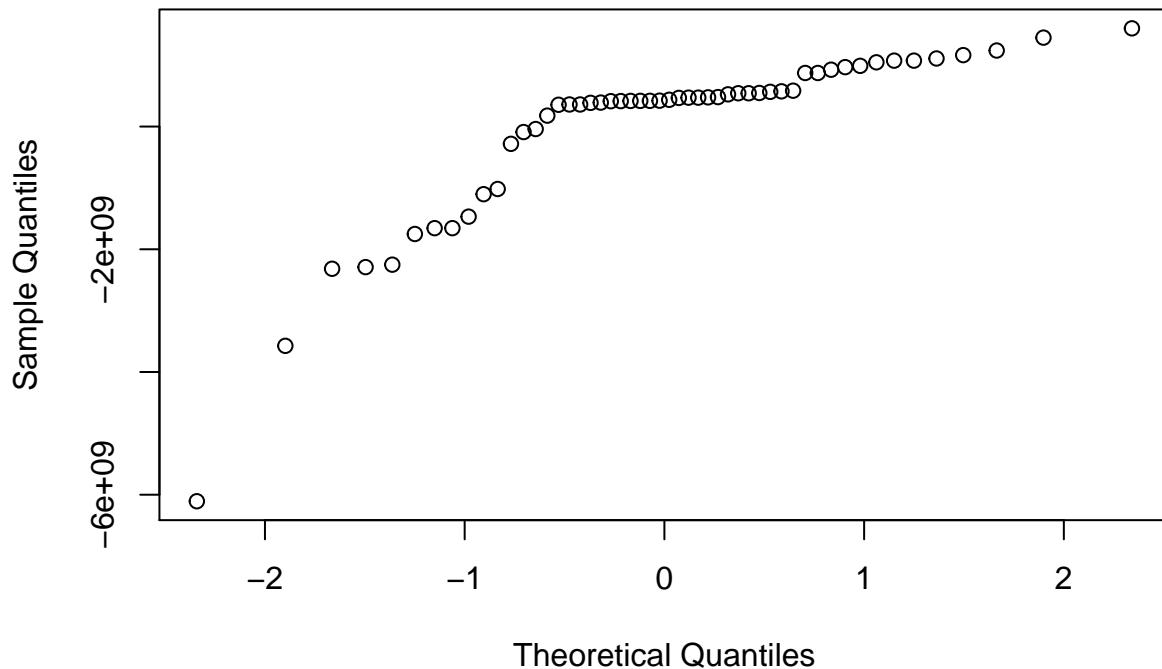
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
Plot of PFOSAtransEthnicity**



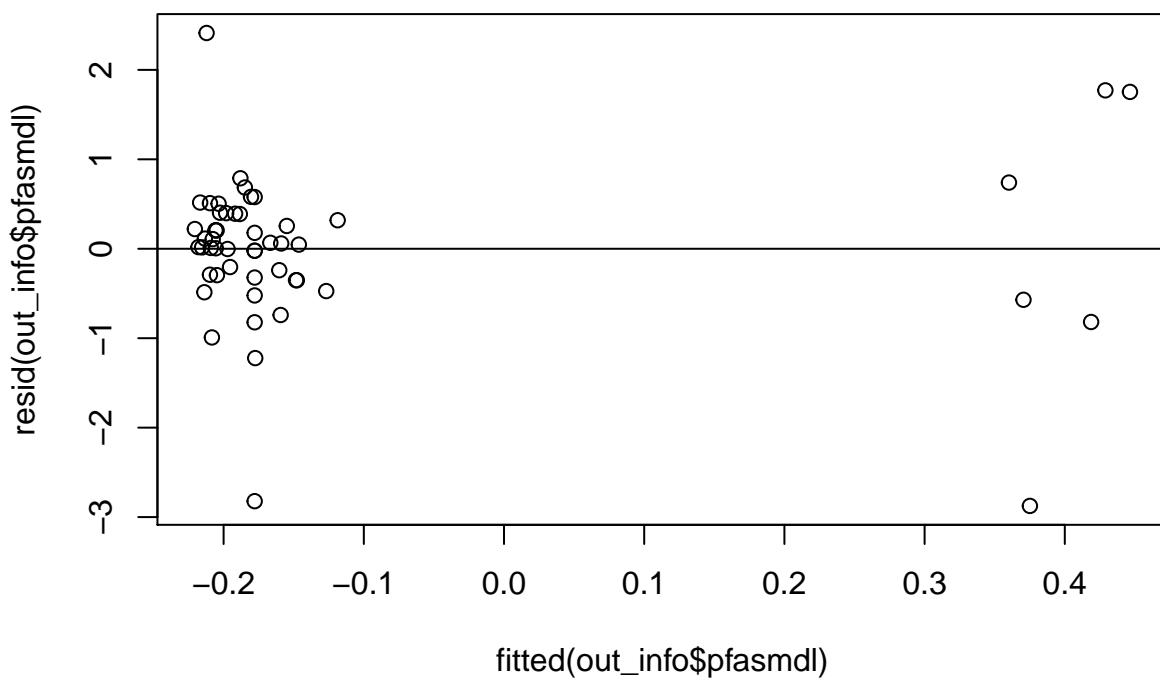
**Normal Q-Q Plot**



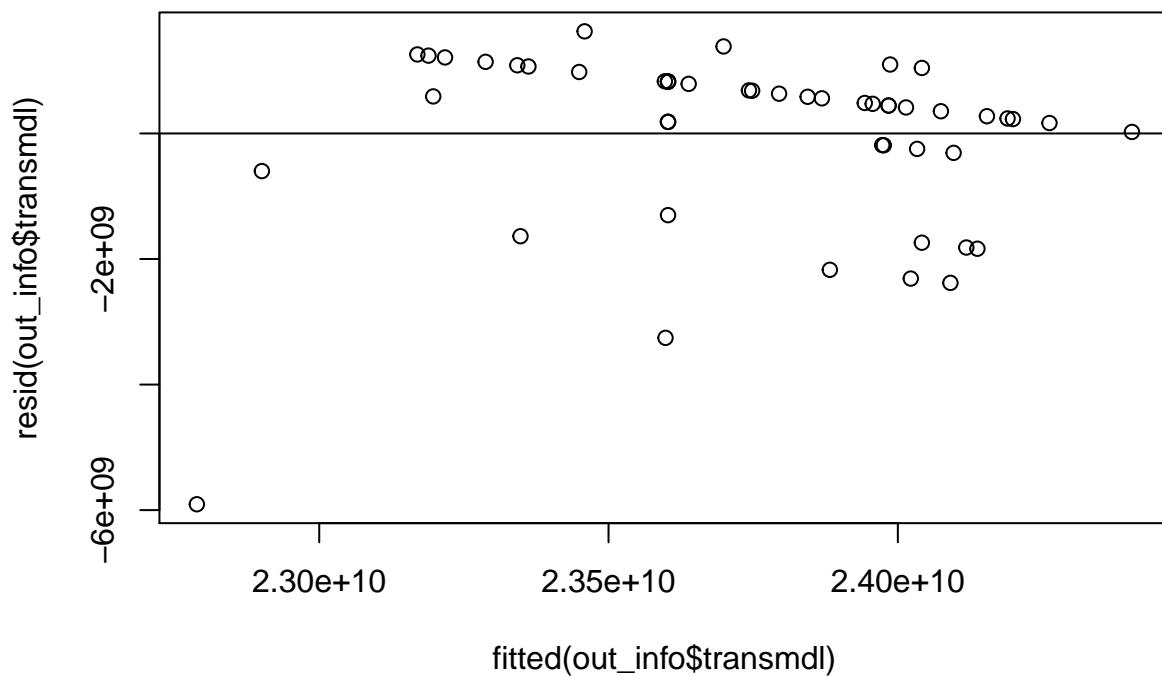
### Normal Q-Q Plot



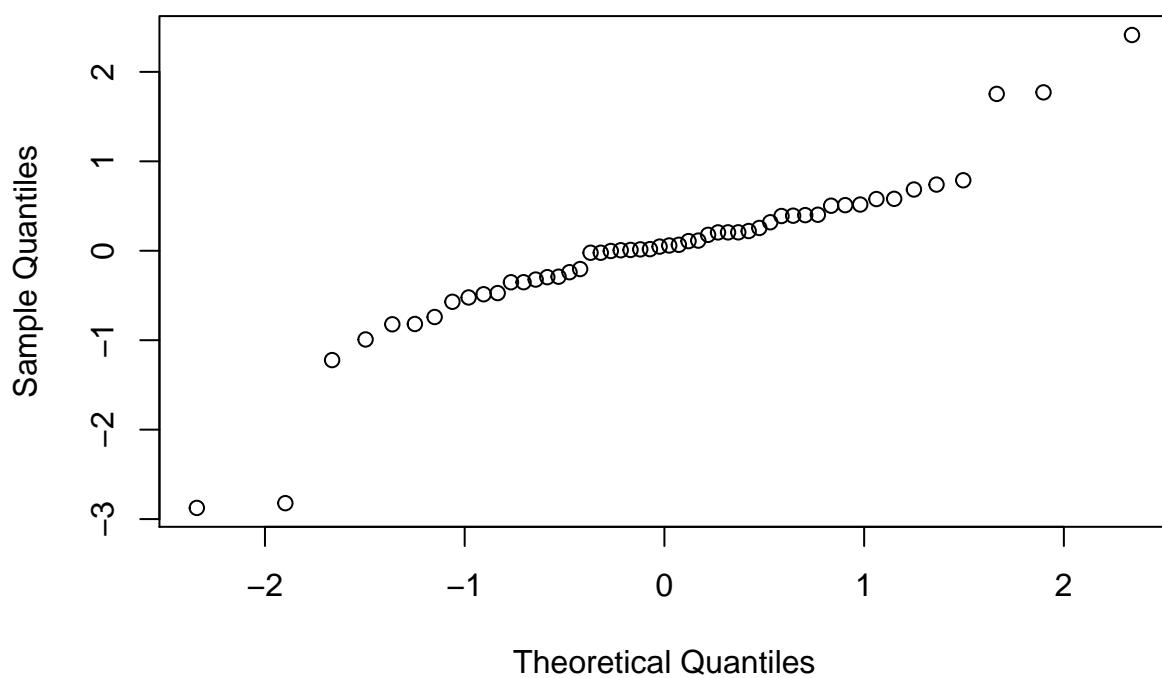
**Plot of PFHX\$orig +  
Plot of PFHX\$orig\$time.since.baseline  
Plot of PFHX\$orig\$Ethnicity**



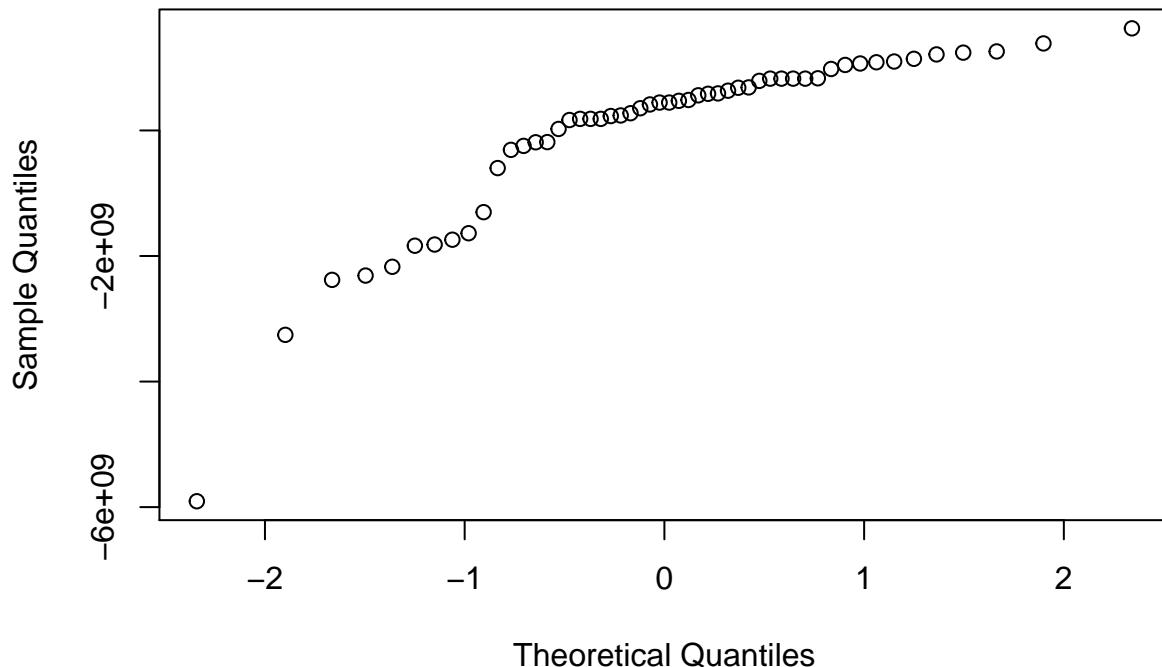
**Plot of PFOSAtrans+  
Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



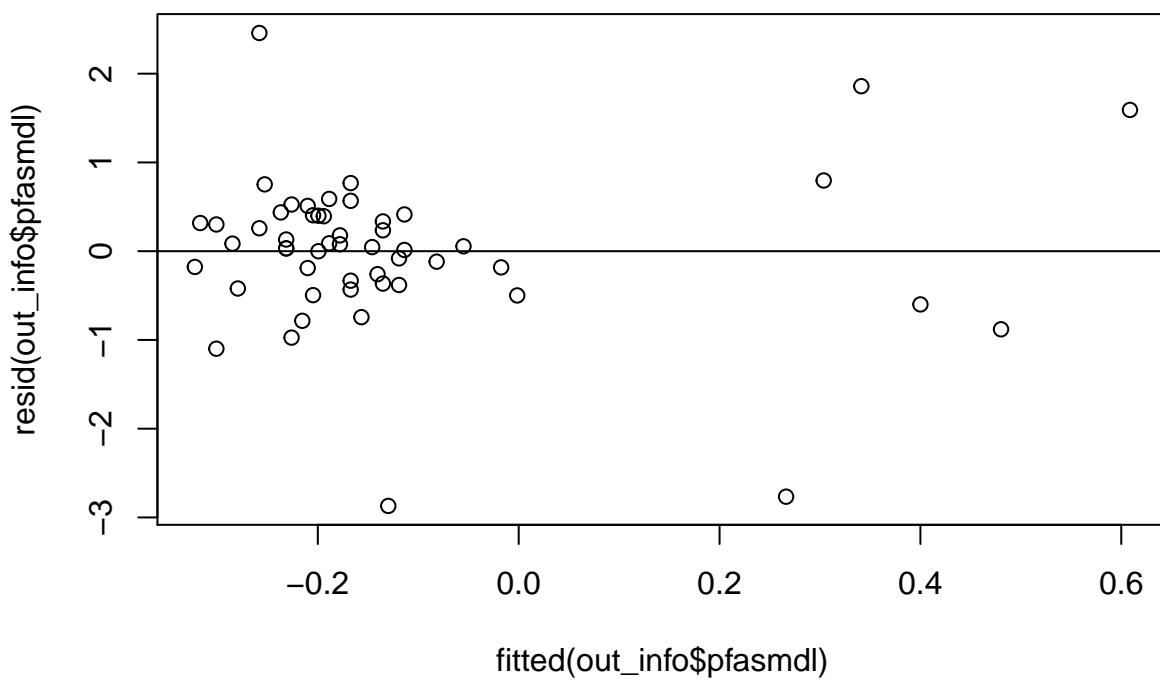
**Normal Q-Q Plot**



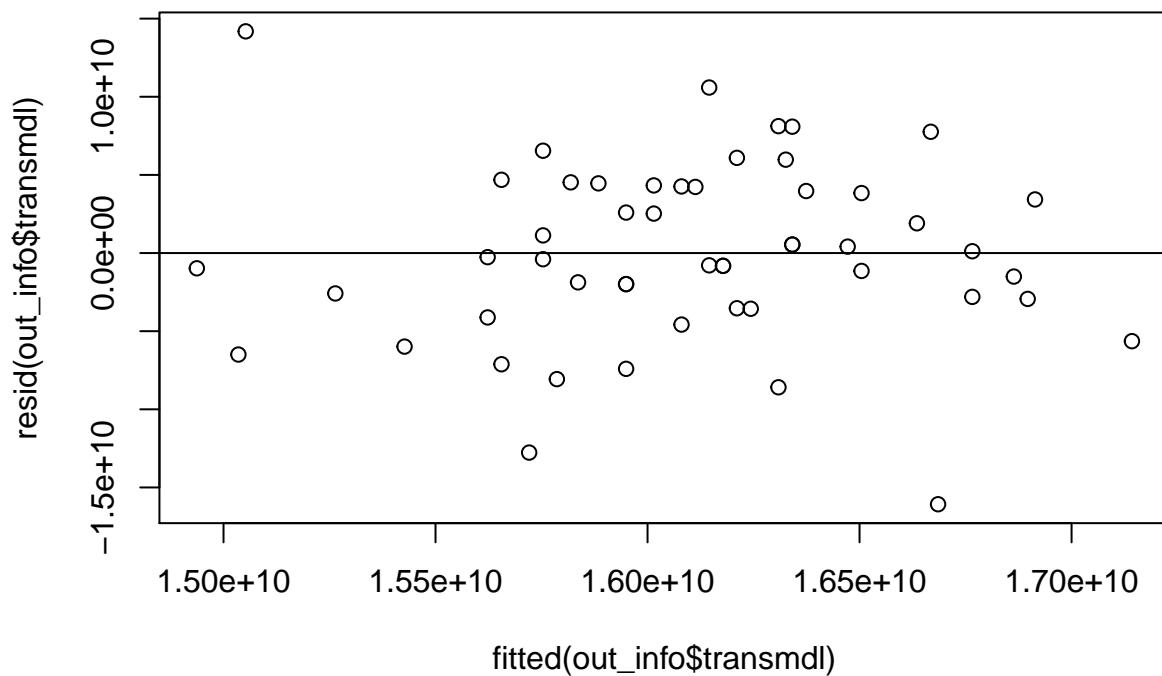
### Normal Q-Q Plot



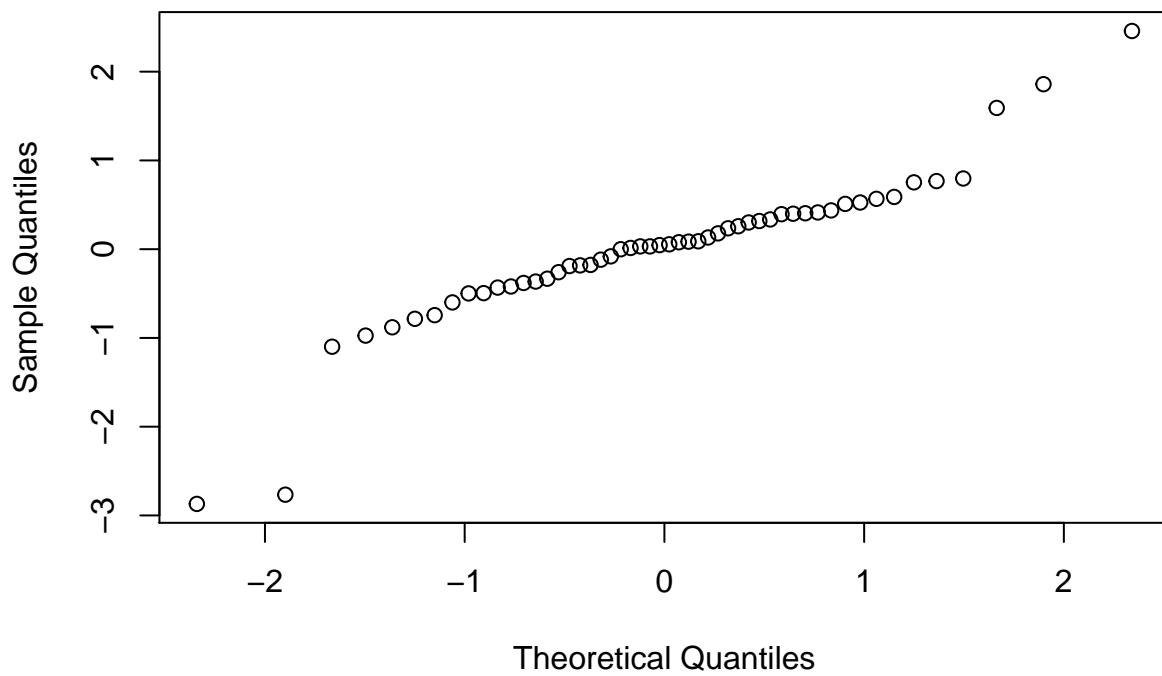
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.num.fireruns  
Plot of PFHX\$orig\$Ethnicity**



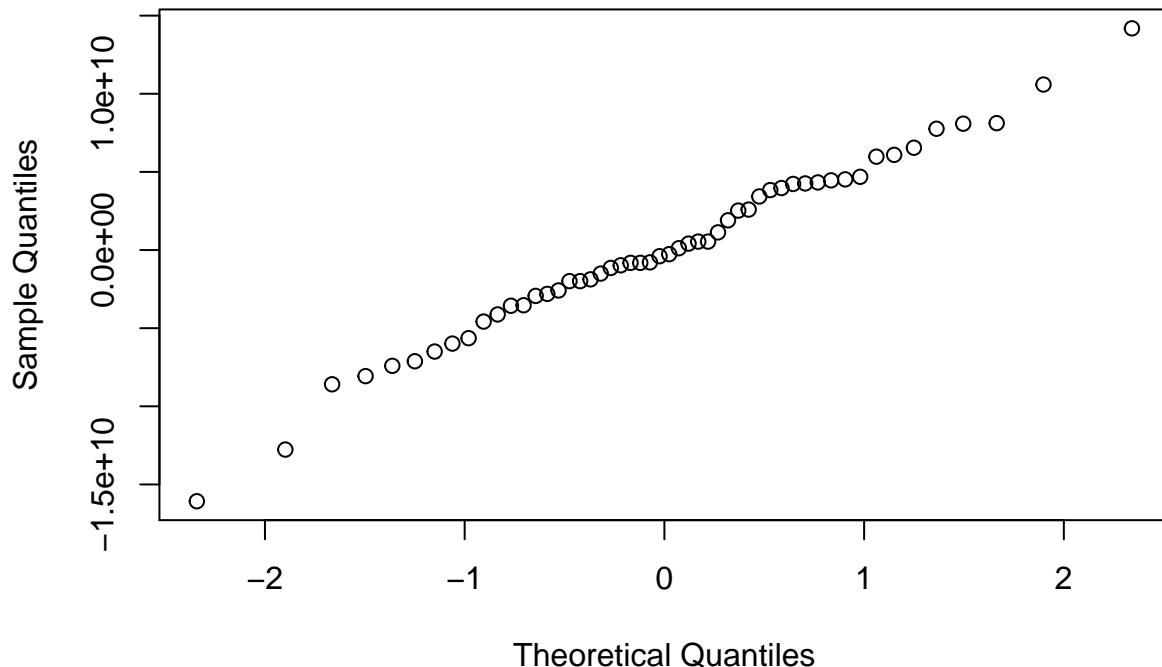
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



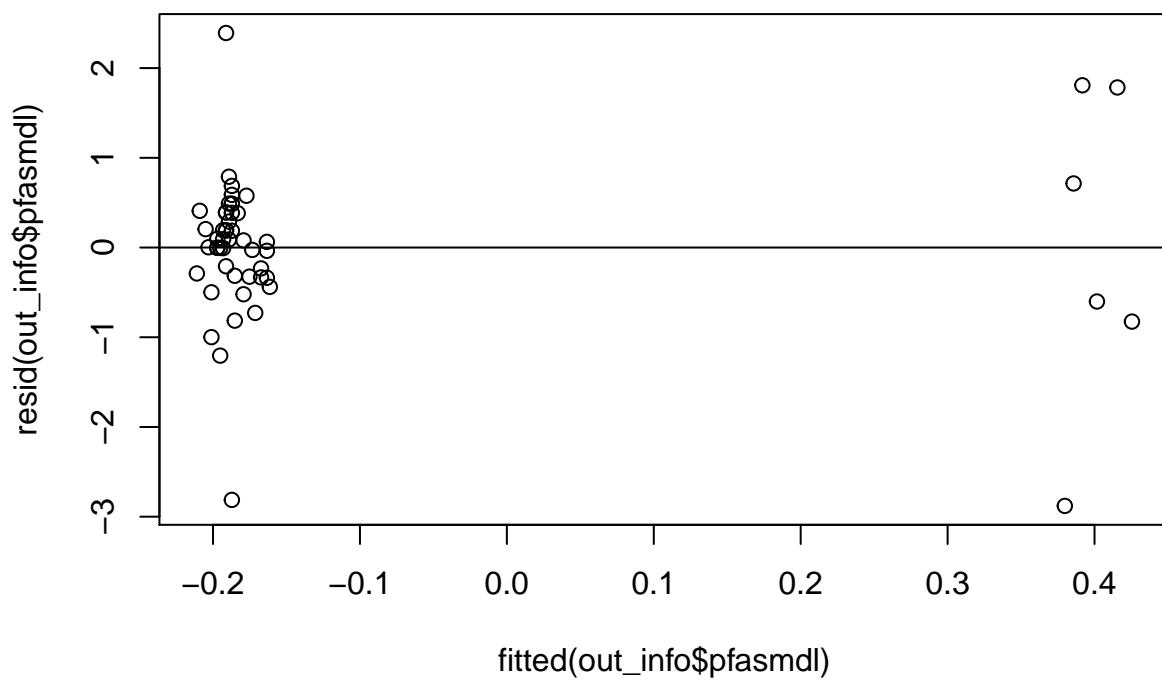
**Normal Q-Q Plot**



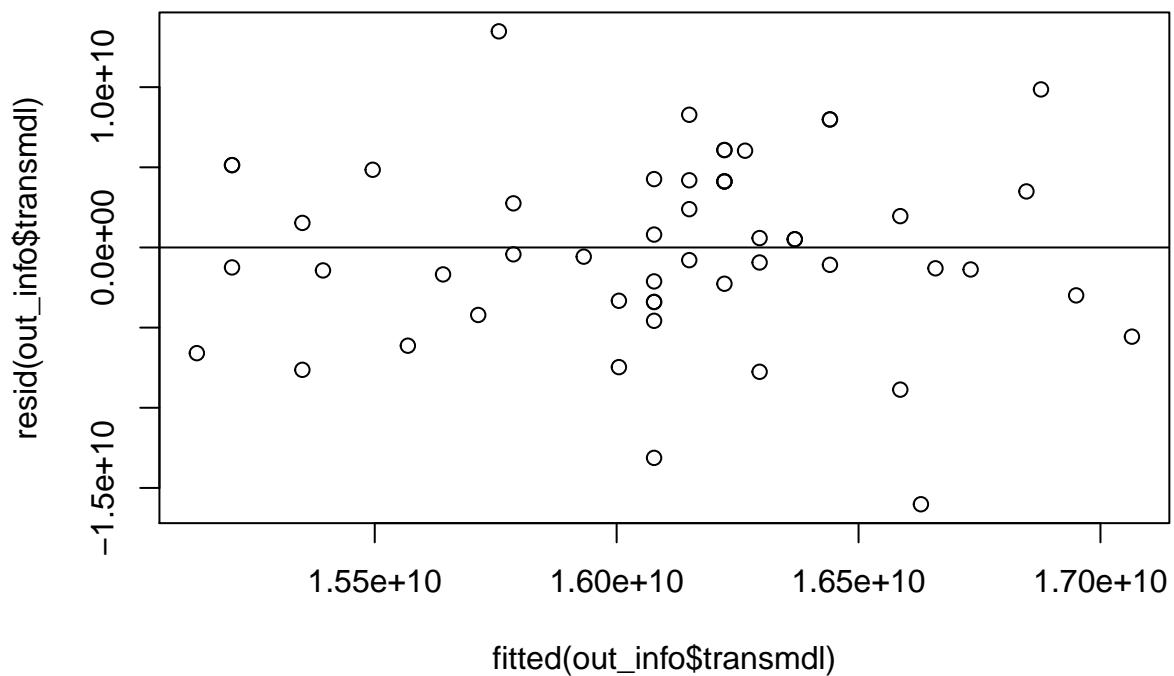
### Normal Q-Q Plot



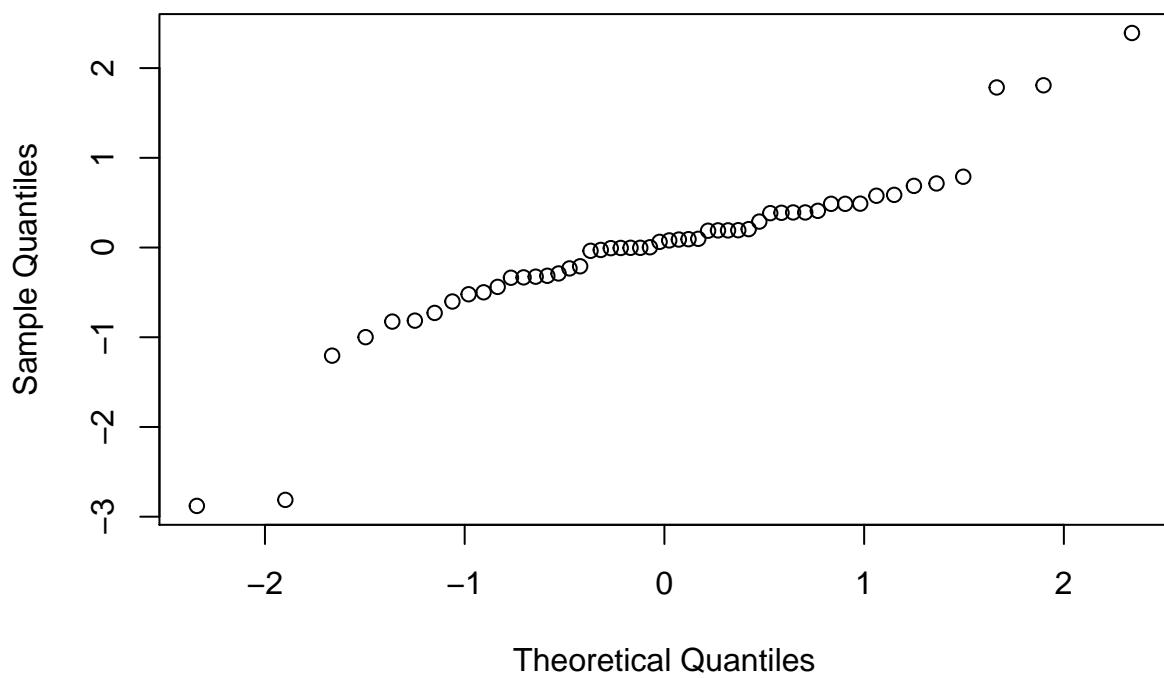
**Plot of PFHX\$orig +  
Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



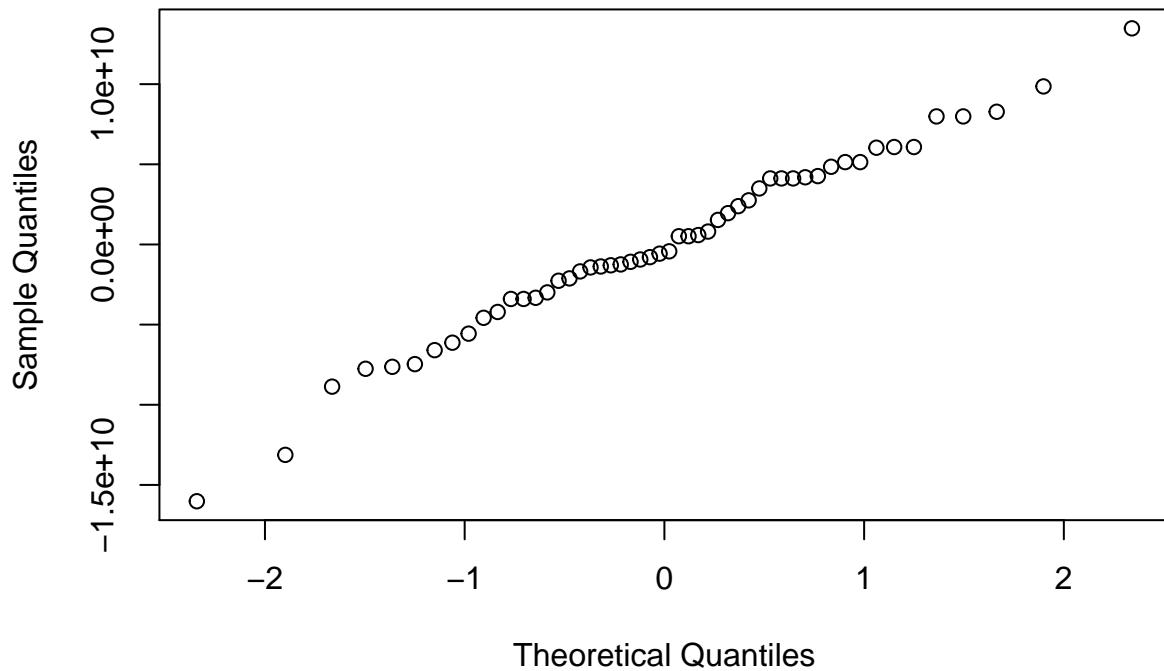
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.num.fireruns  
Plot of fnPFOAtransEthnicity**



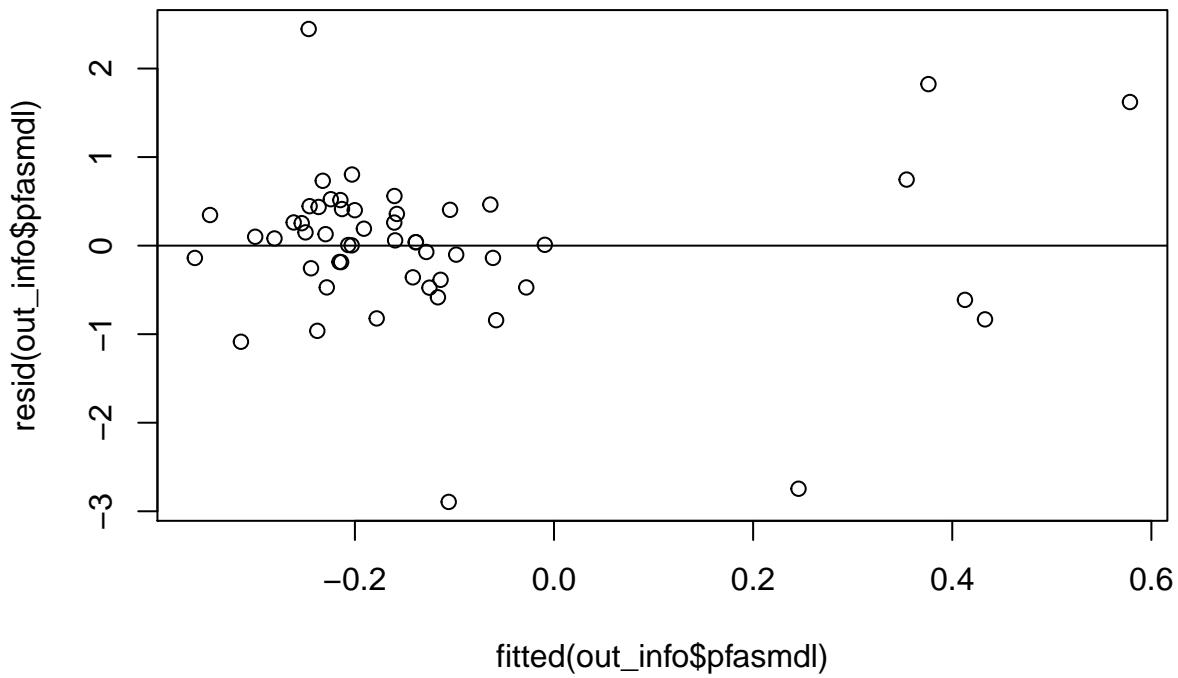
**Normal Q-Q Plot**



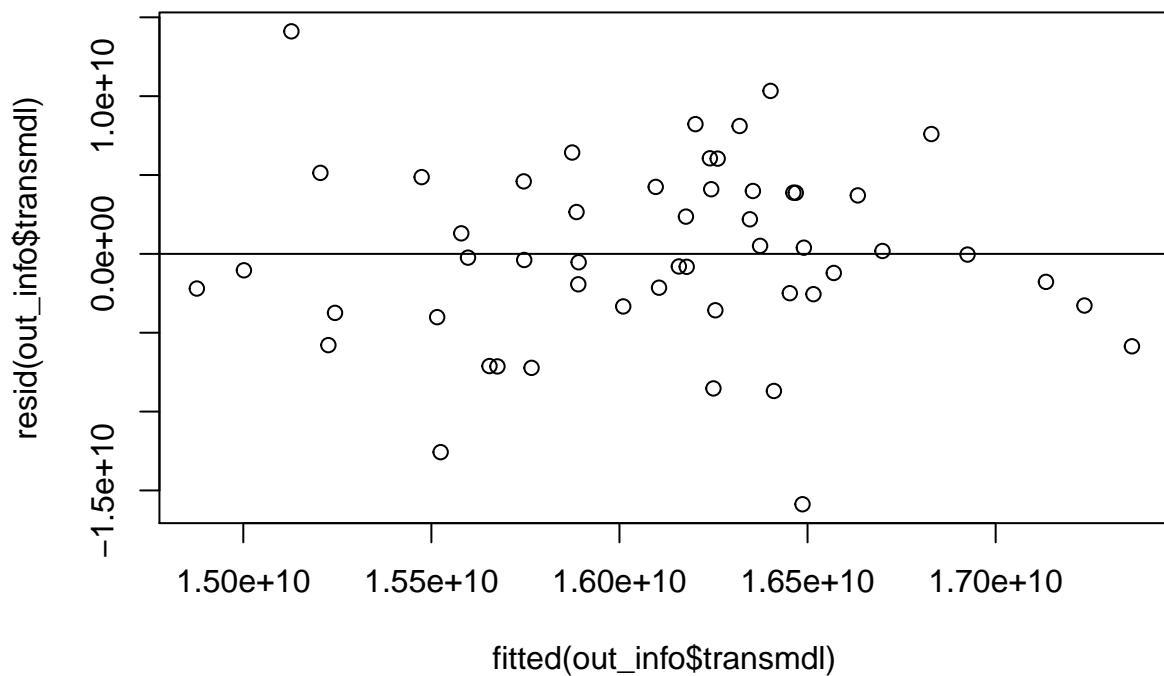
### Normal Q-Q Plot



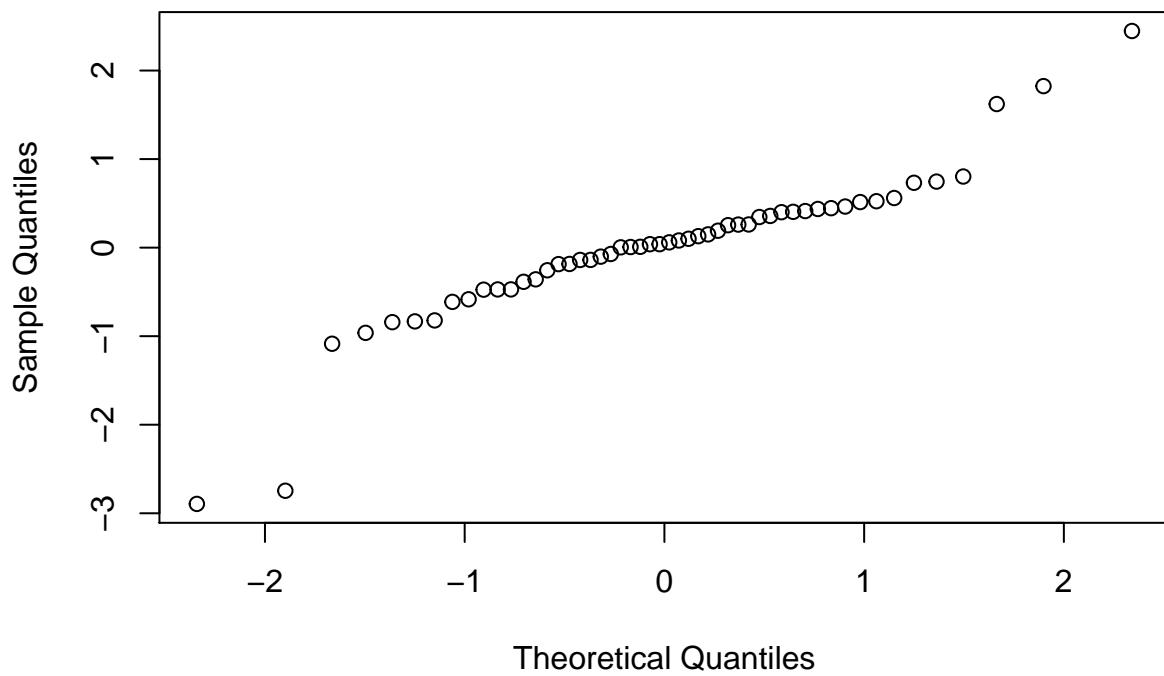
**Plot of PFHX\$orig +  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity**



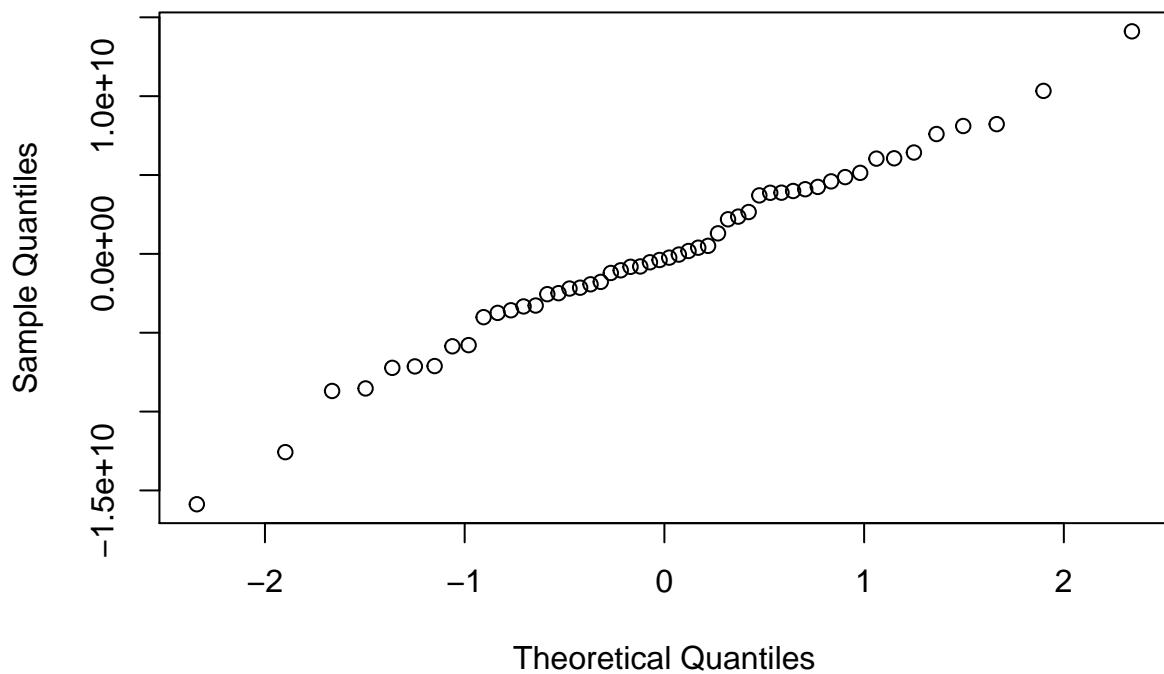
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.duration.hrs  
Plot of fnPFOAtransEthnicity**



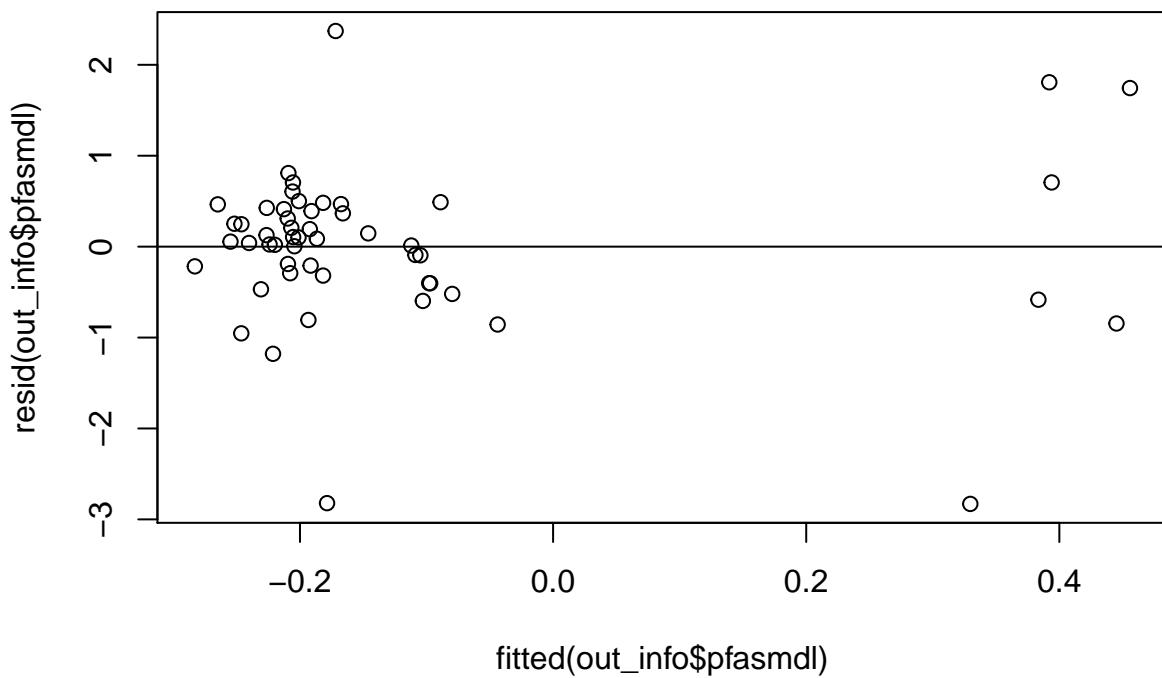
**Normal Q-Q Plot**



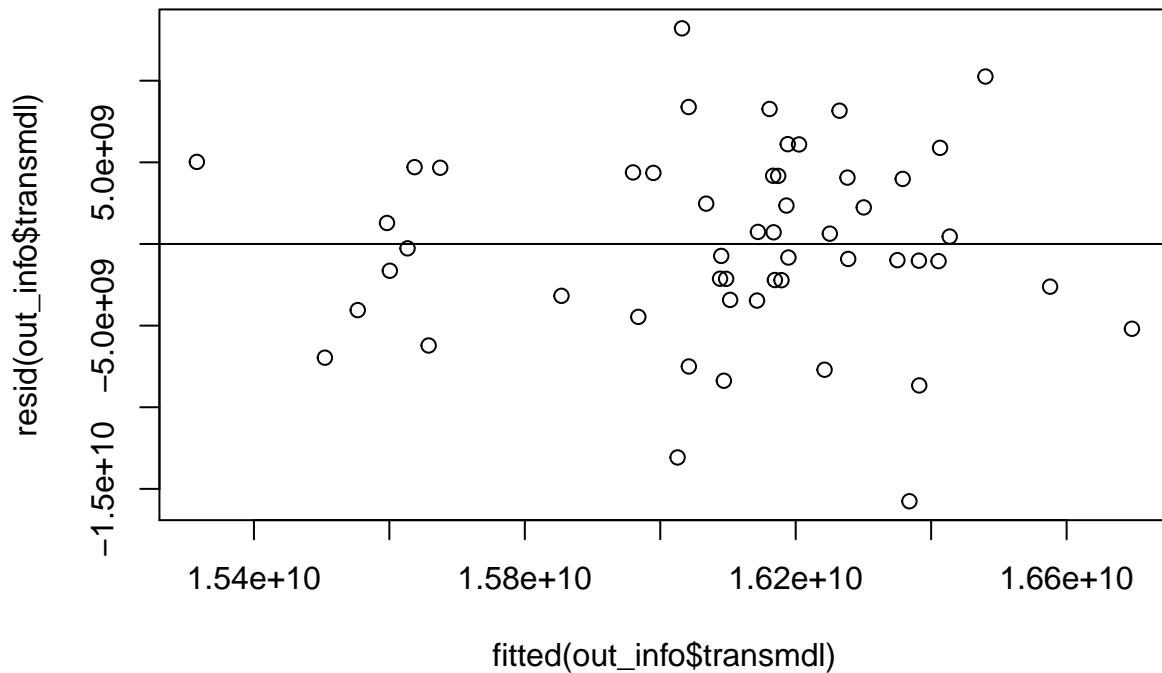
### Normal Q-Q Plot



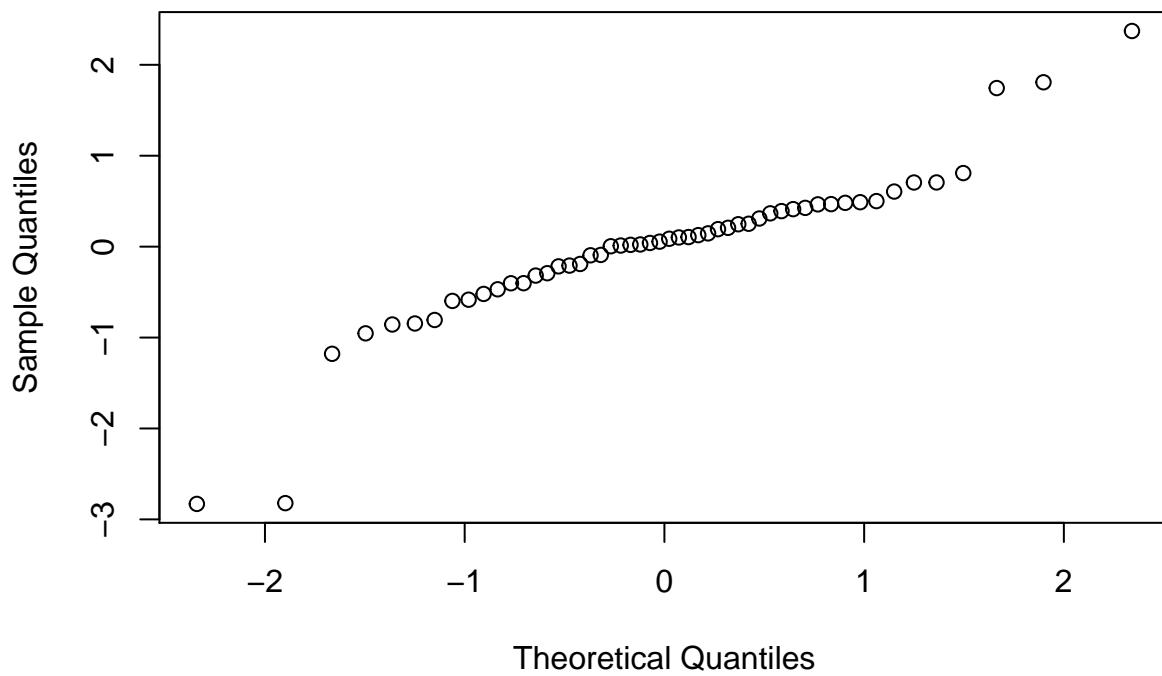
**Plot of PFHX\$orig +  
Plot of PFHX\$origstr.duration.hrs  
Plot of PFHX\$origEthnicity**



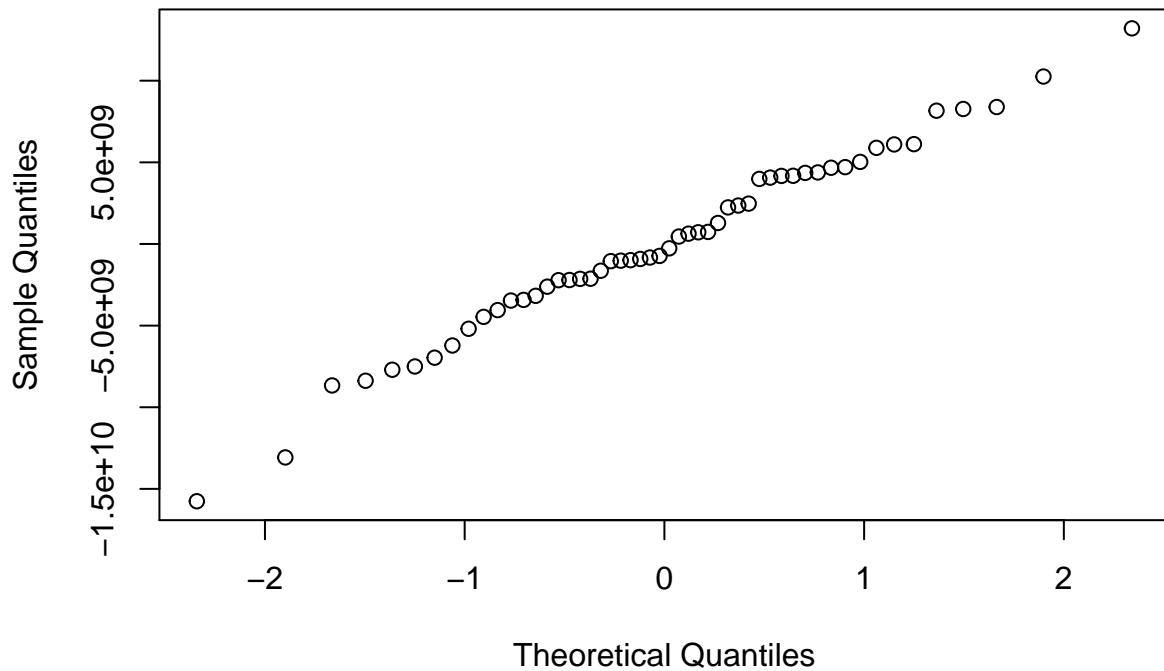
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.duration.hrs  
Plot of fnPFOAtransEthnicity**



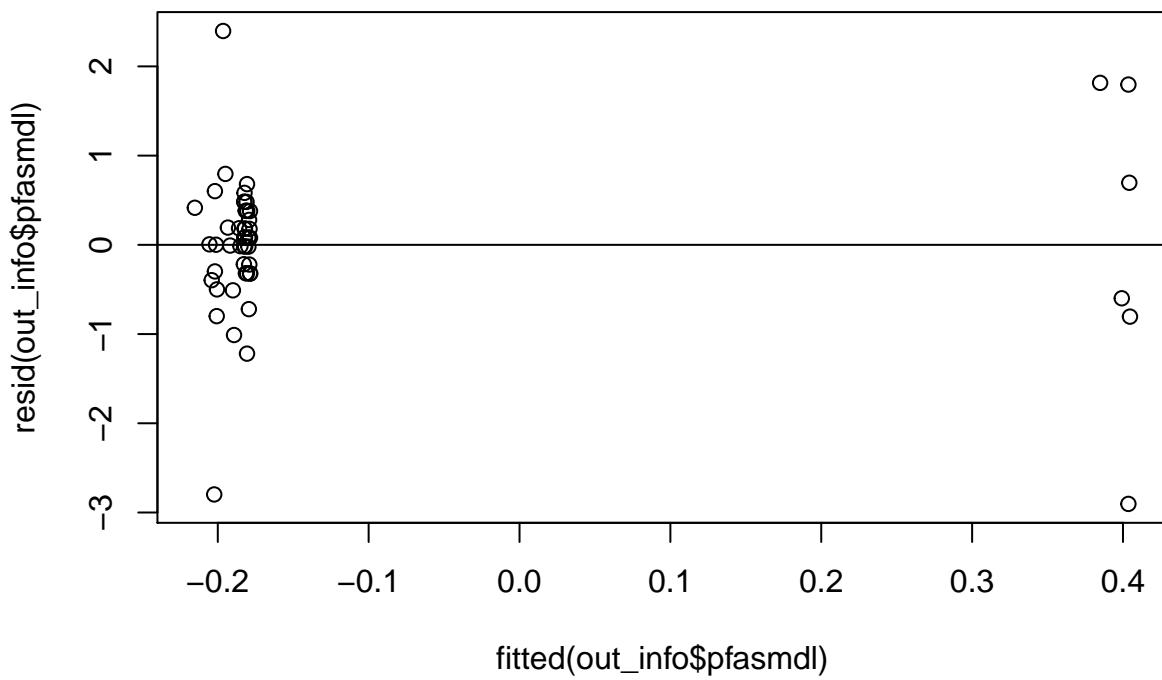
**Normal Q-Q Plot**



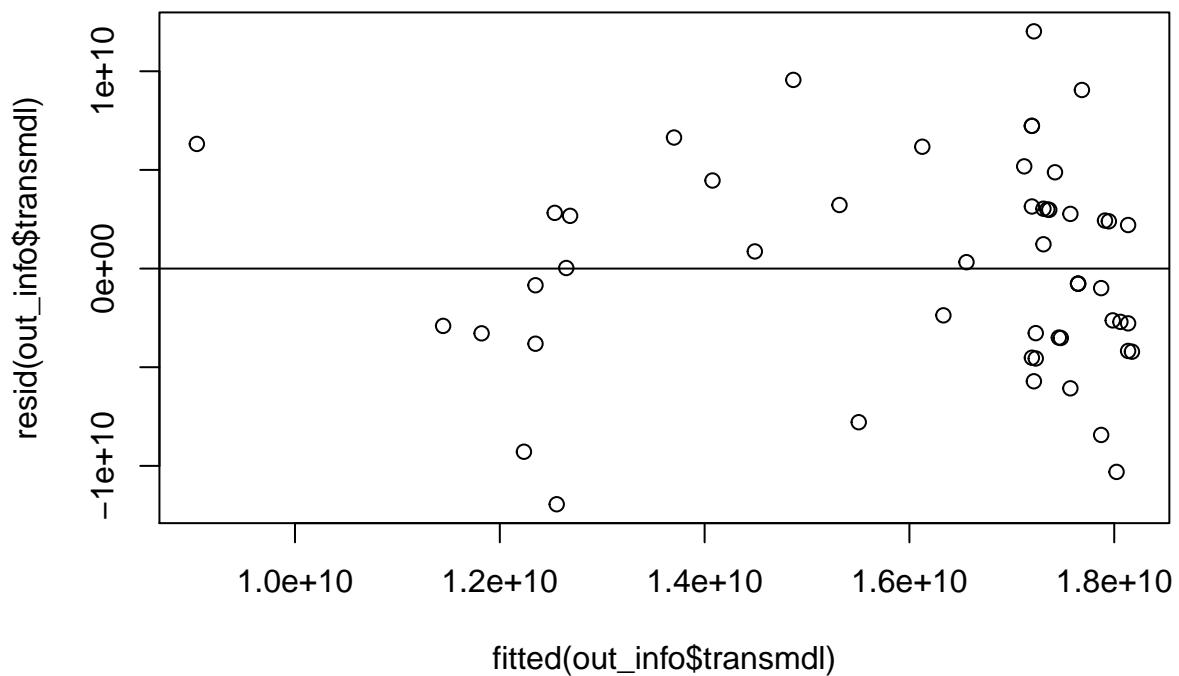
### Normal Q-Q Plot



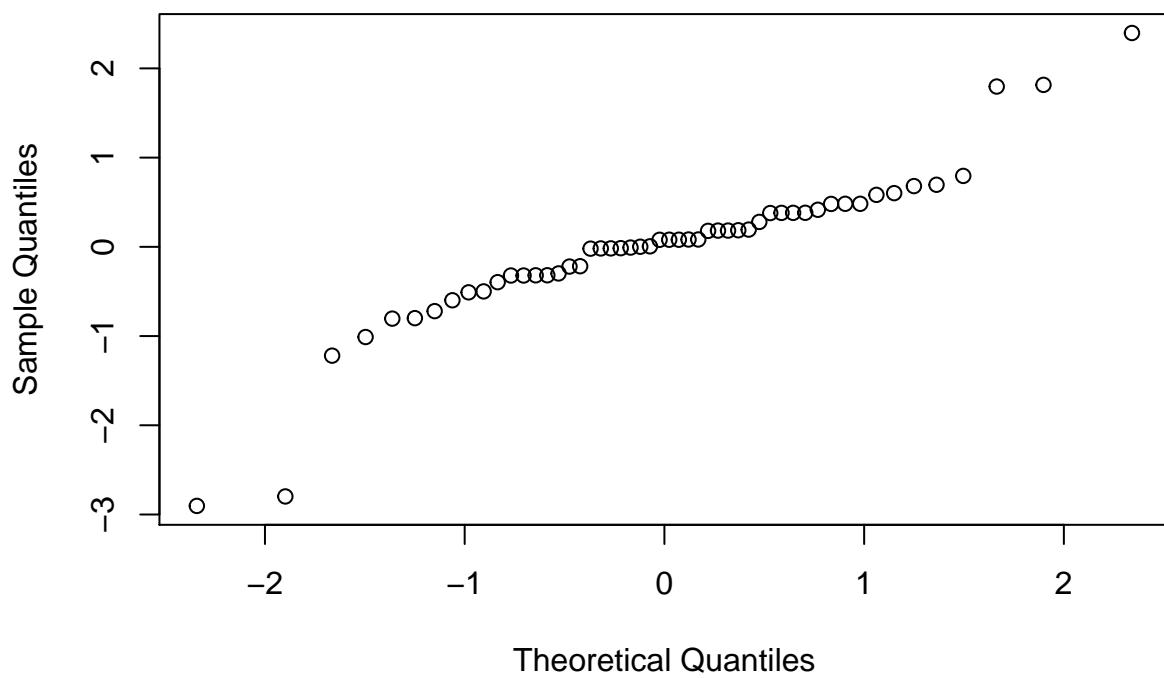
**Plot of PFHX\$orig +  
Plot of PFHX\$origdays.since.MRF  
Plot of PFHX\$origEthnicity**



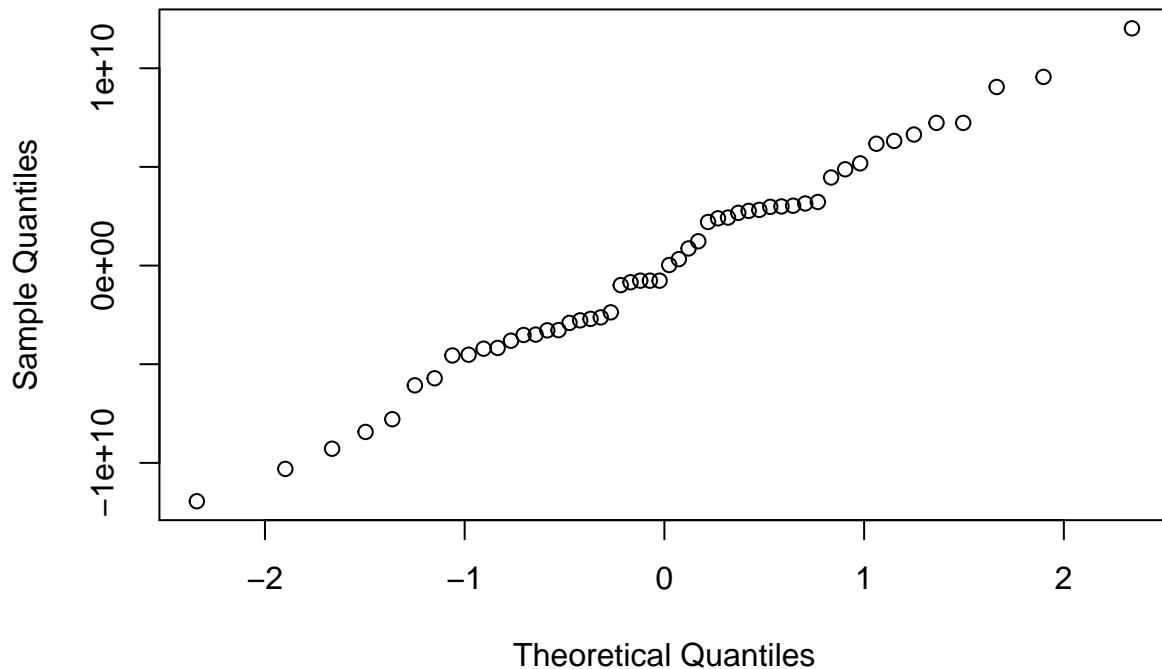
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.MRF  
Plot of fnPFOAtransEthnicity**



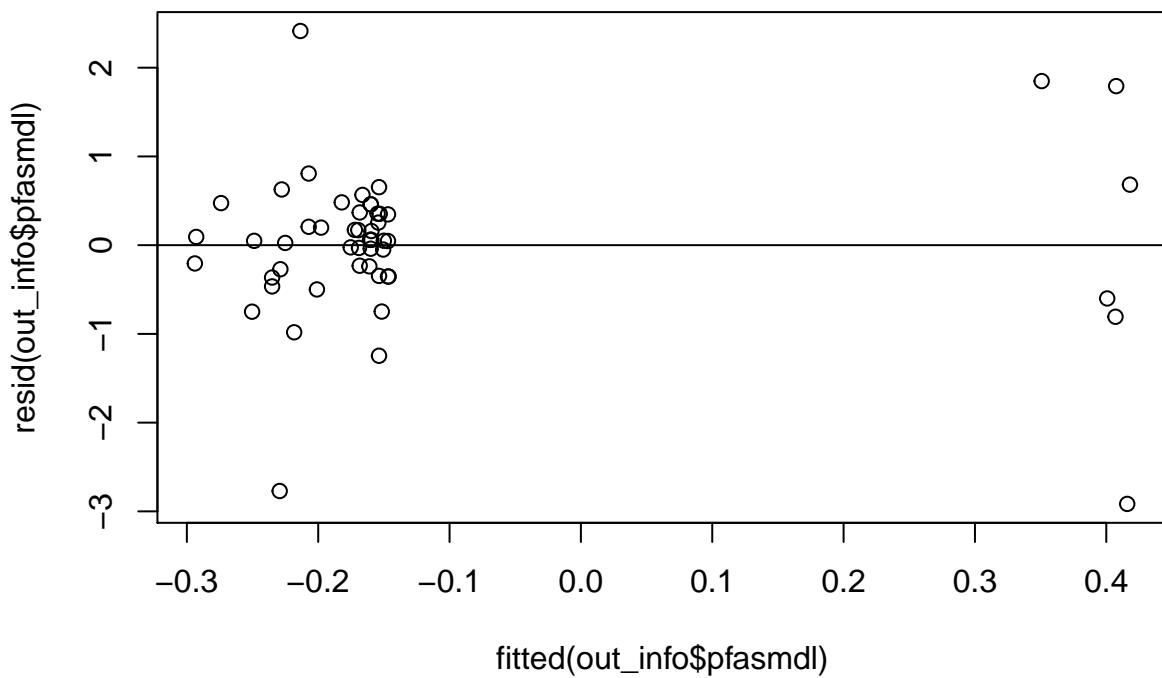
**Normal Q-Q Plot**



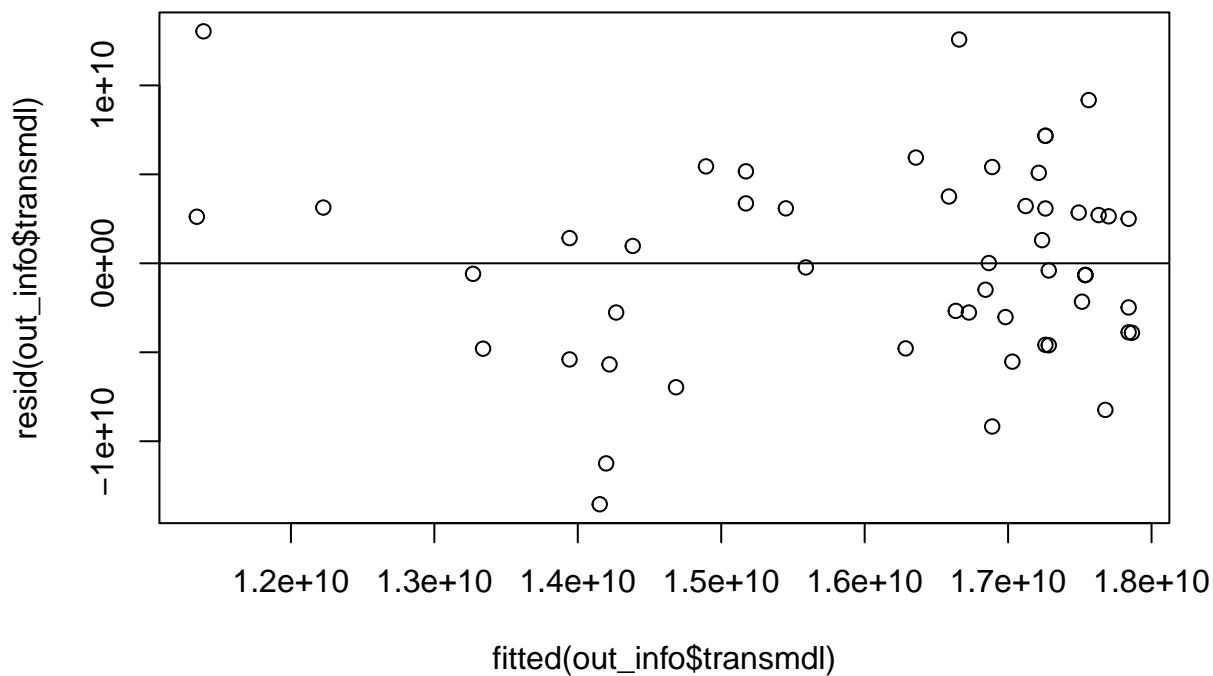
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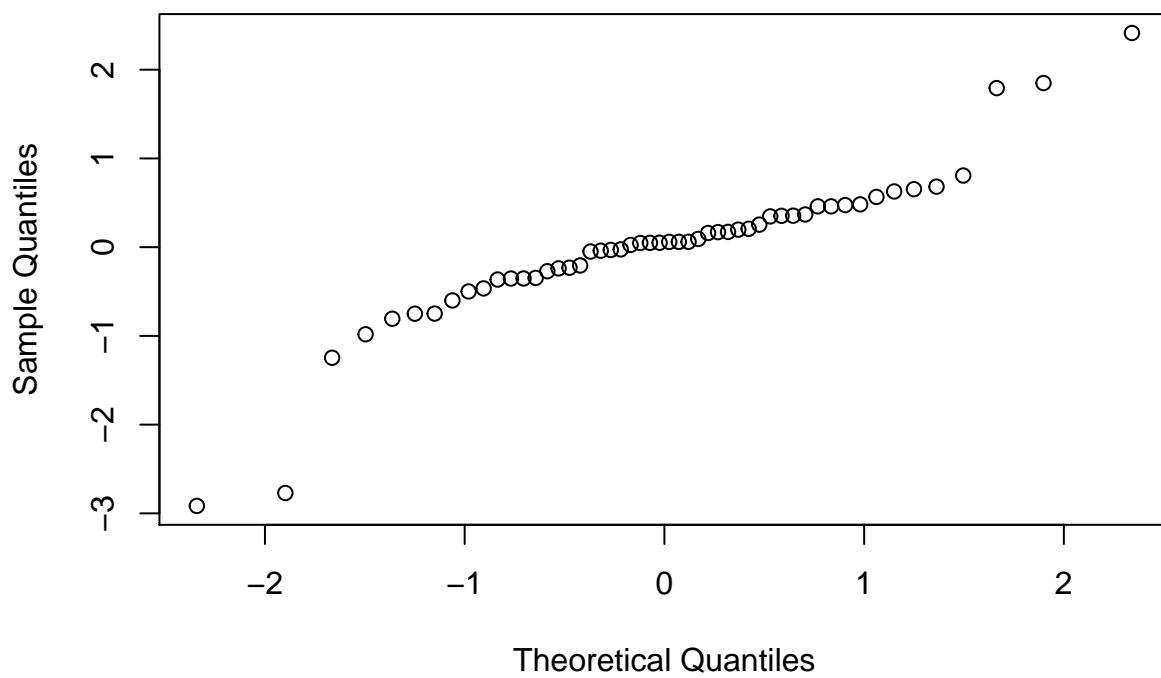
**Plot of PFHXSorig+**  
**Plot of PFHXSorigdays.since.struc.MRF**  
**Plot of PFHXSorigEthnicity**



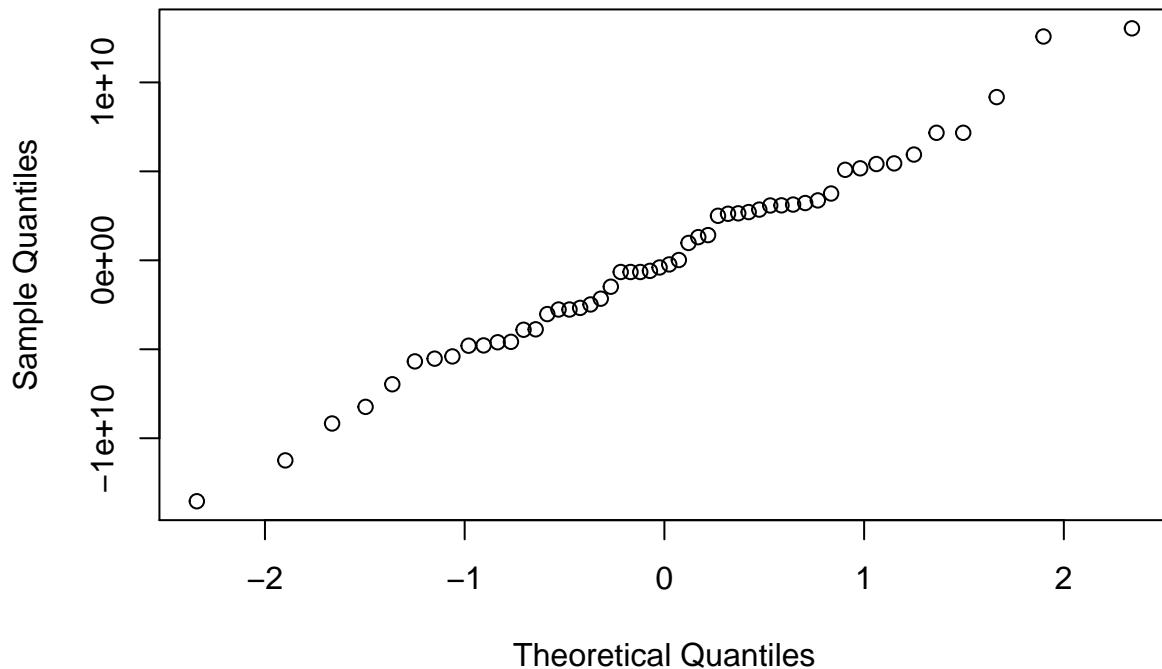
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.struc.MRF  
Plot of fnPFOAtransEthnicity**



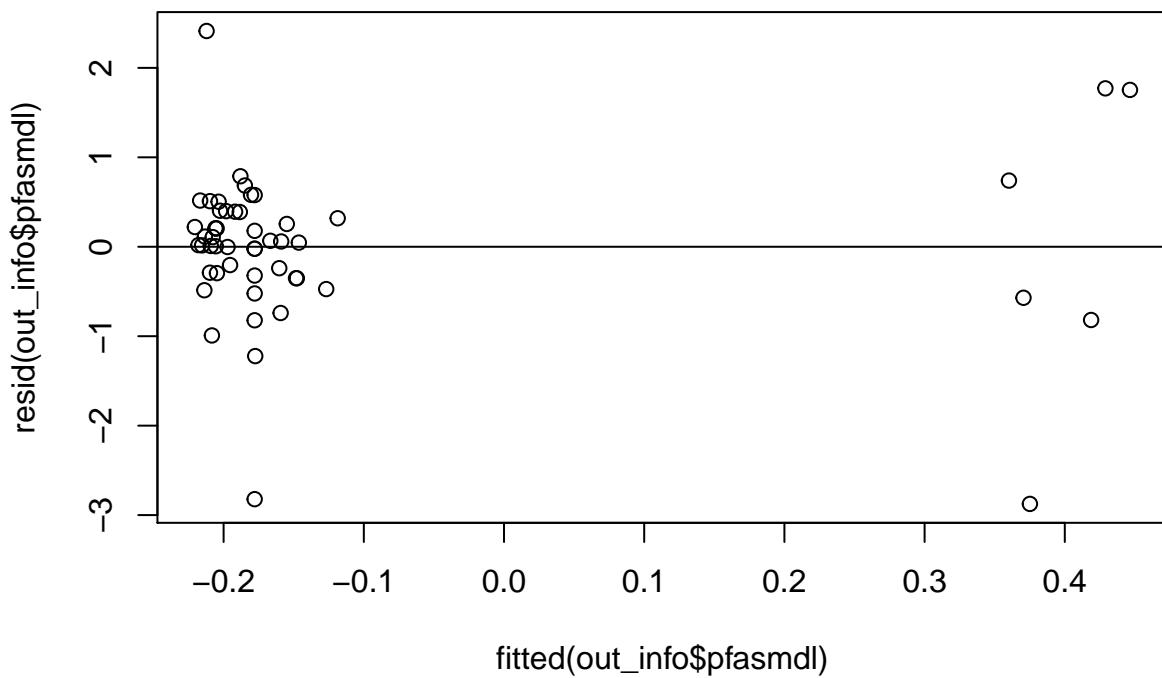
**Normal Q-Q Plot**



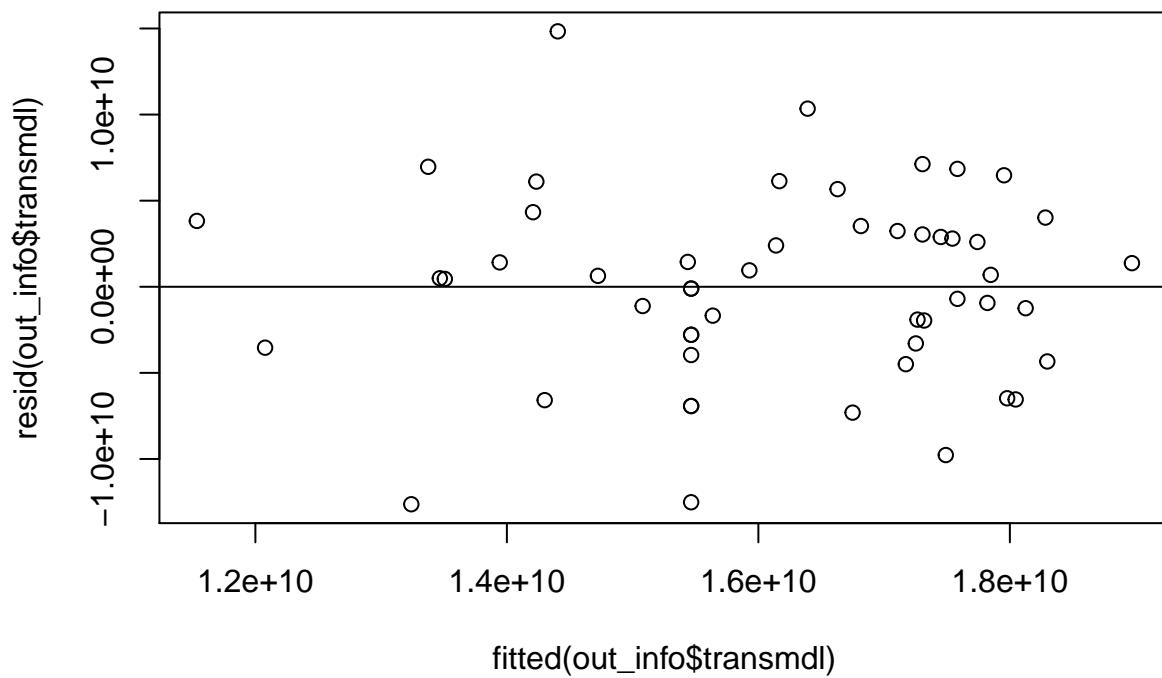
### Normal Q-Q Plot



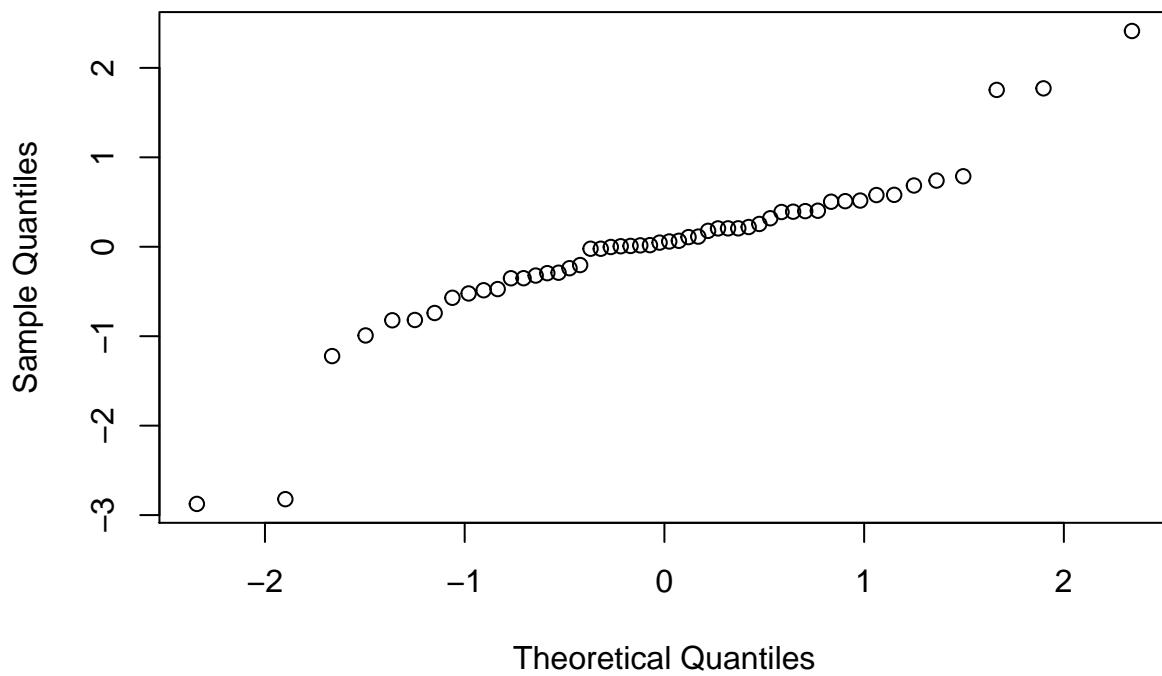
**Plot of PFHX\$orig +  
Plot of PFHX\$orig\$time.since.baseline  
Plot of PFHX\$orig\$Ethnicity**



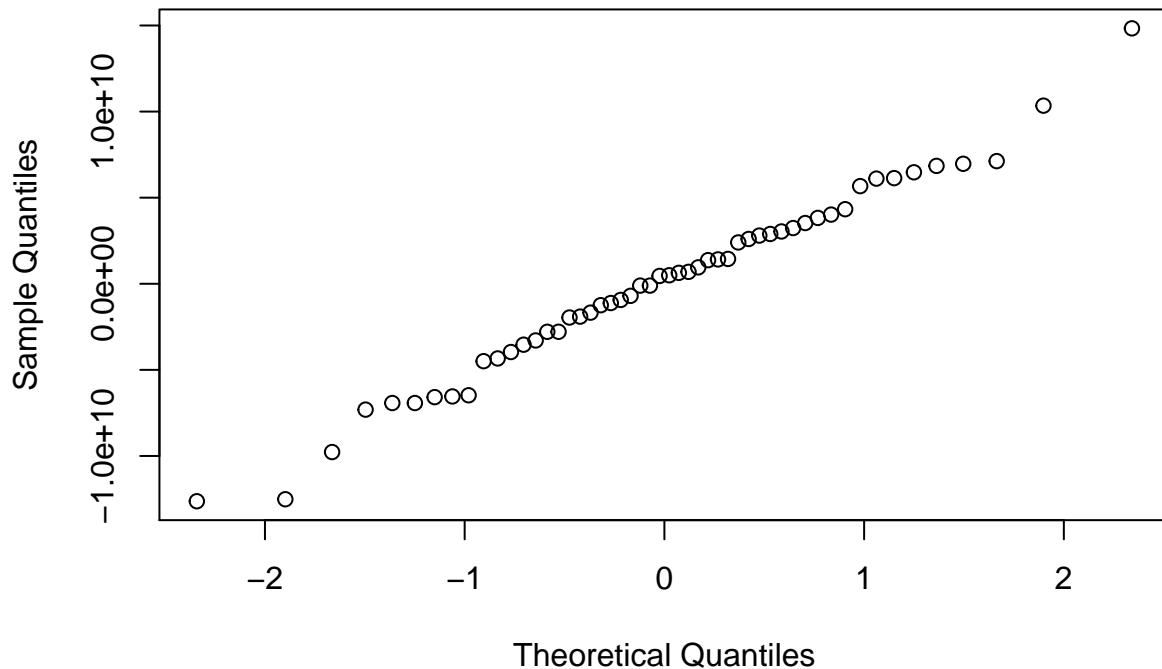
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstime.since.baseline  
Plot of fnPFOAtransEthnicity**



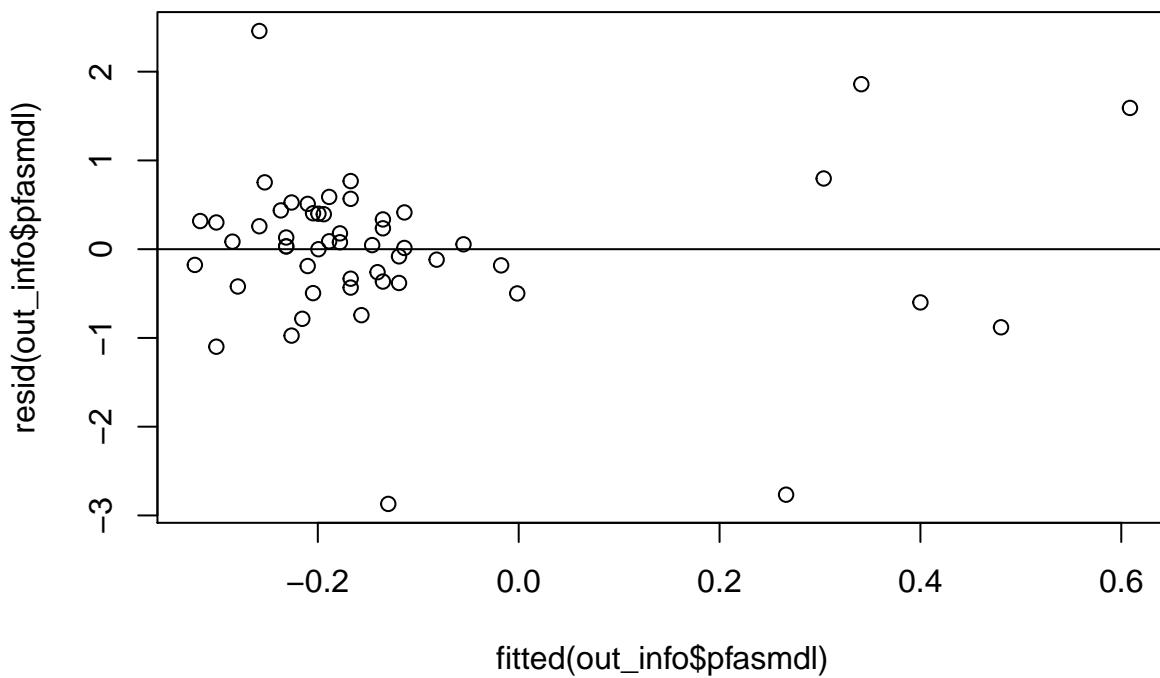
**Normal Q-Q Plot**



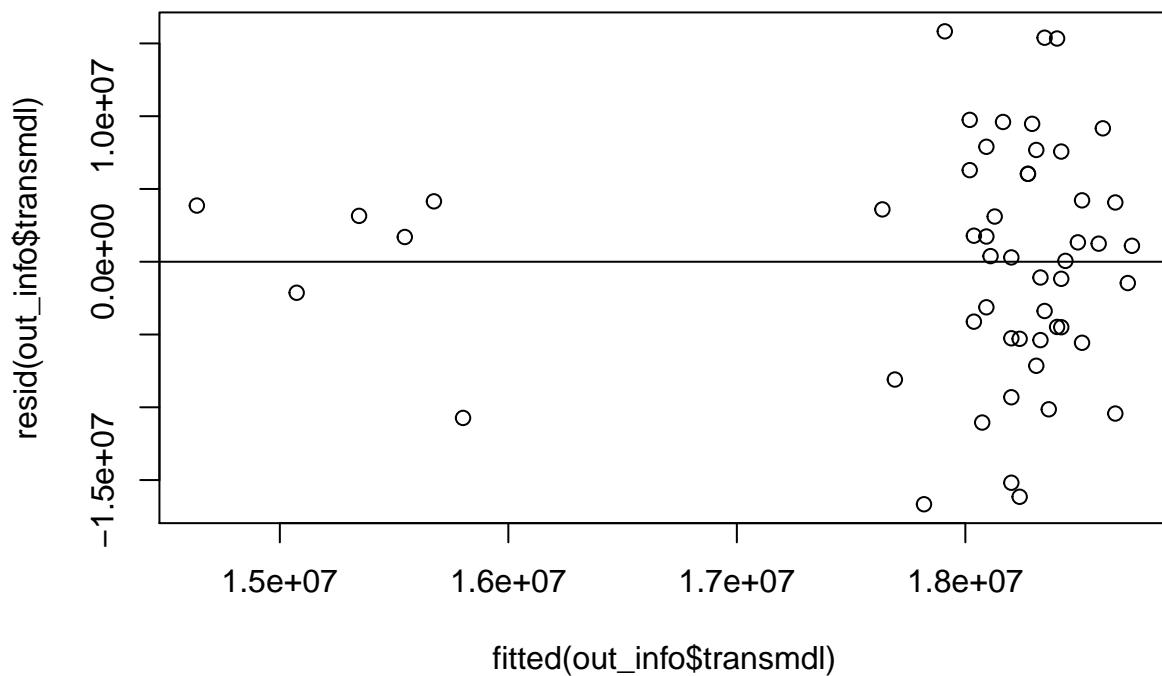
### Normal Q-Q Plot



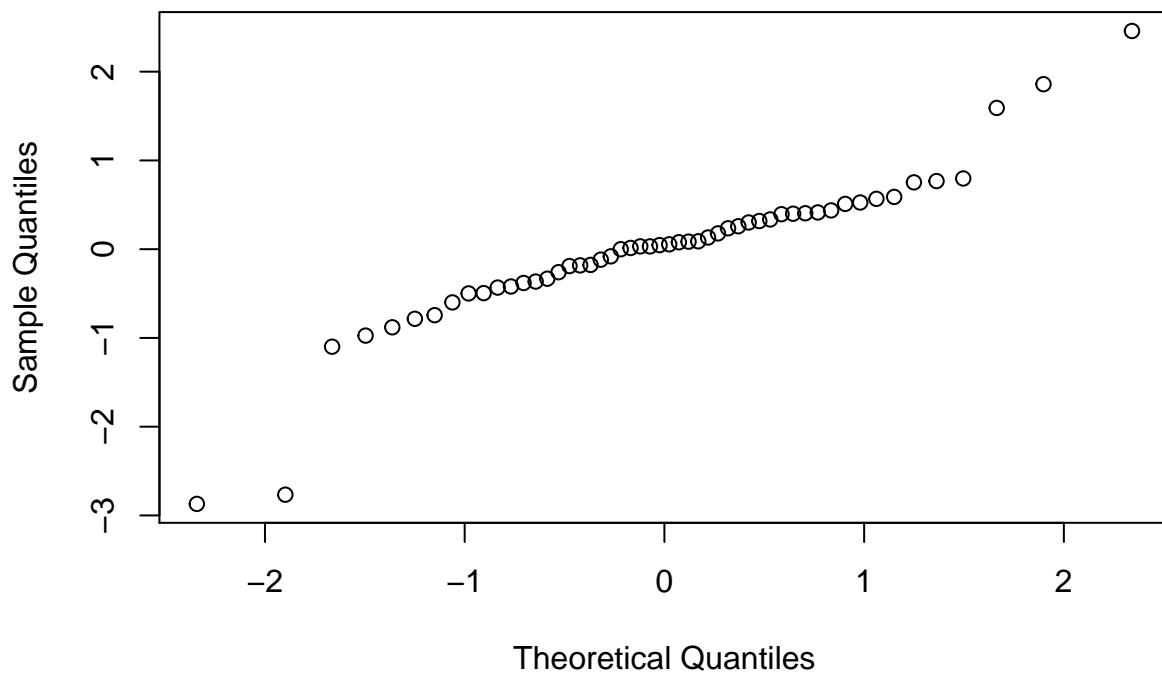
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.num.fireruns  
Plot of PFHX\$orig\$Ethnicity**



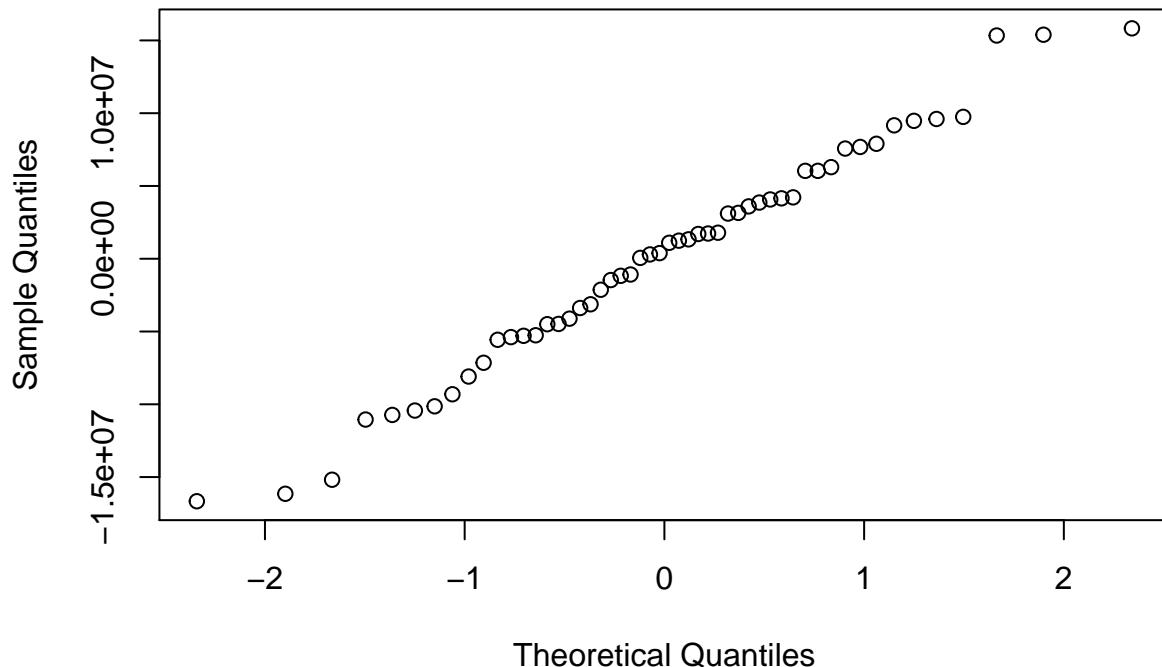
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.num.fireruns  
Plot of fnPFOStransEthnicity**



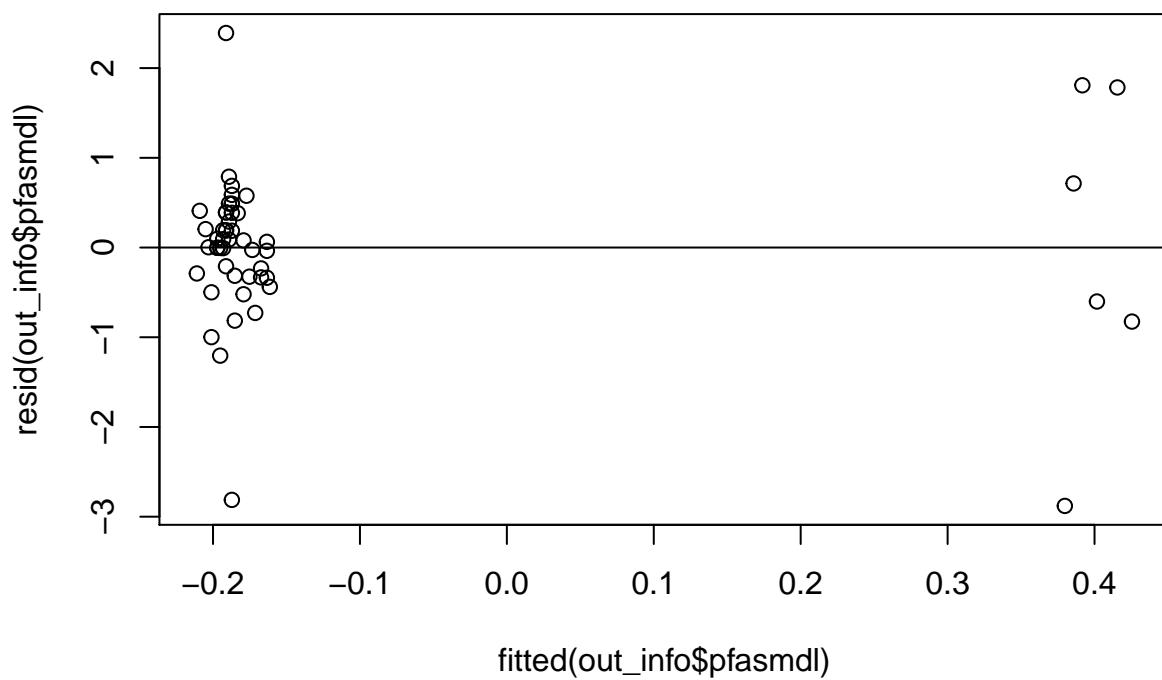
**Normal Q-Q Plot**



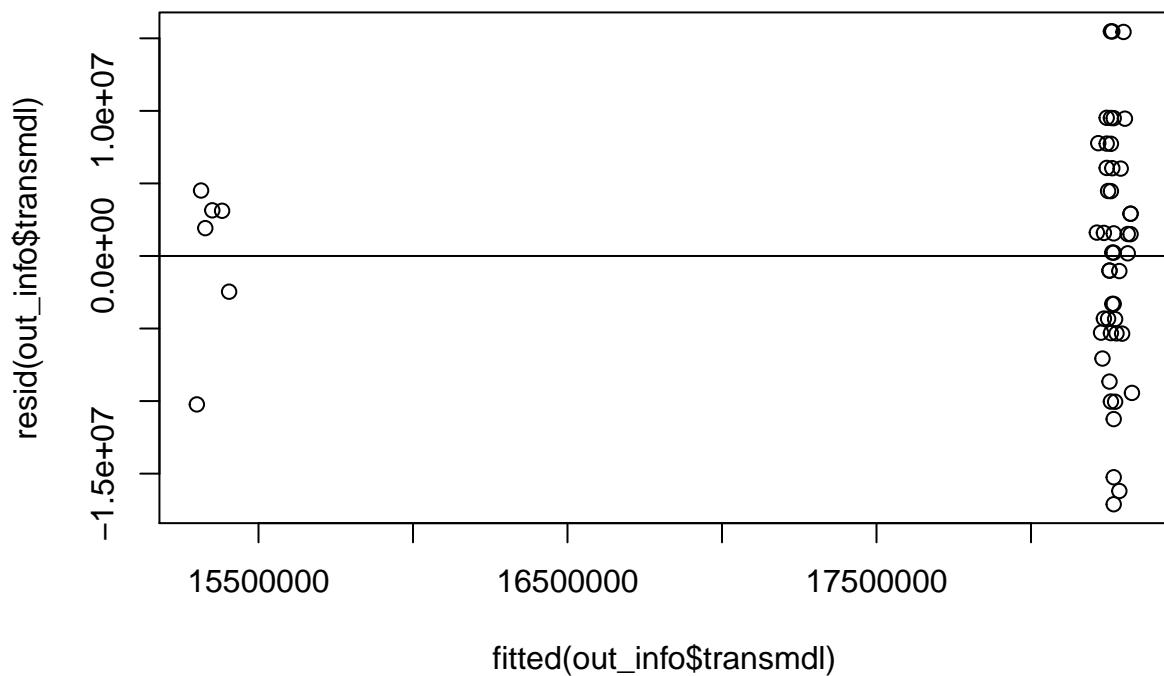
### Normal Q-Q Plot



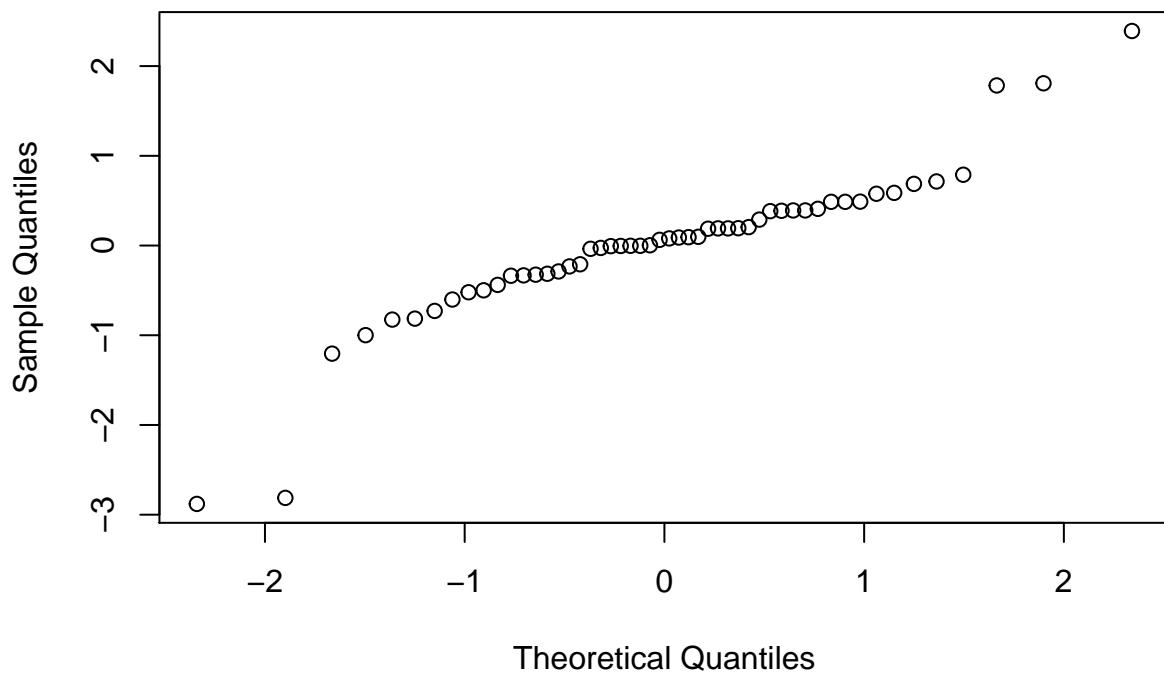
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Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



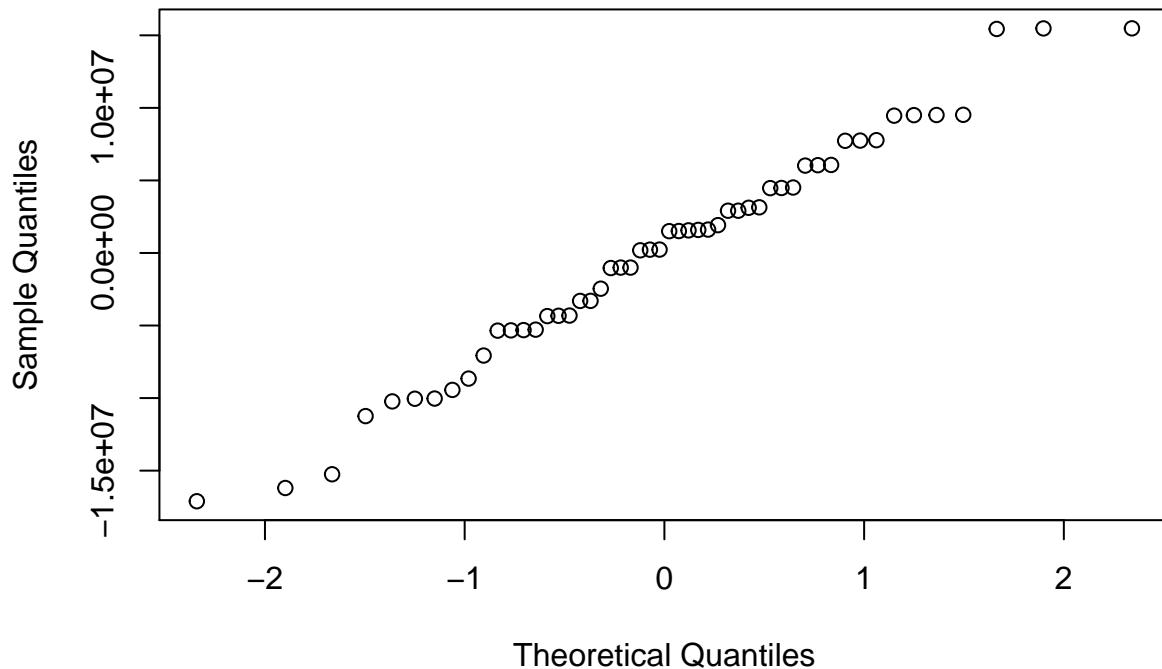
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Plot of fnPFOStransEthnicity**



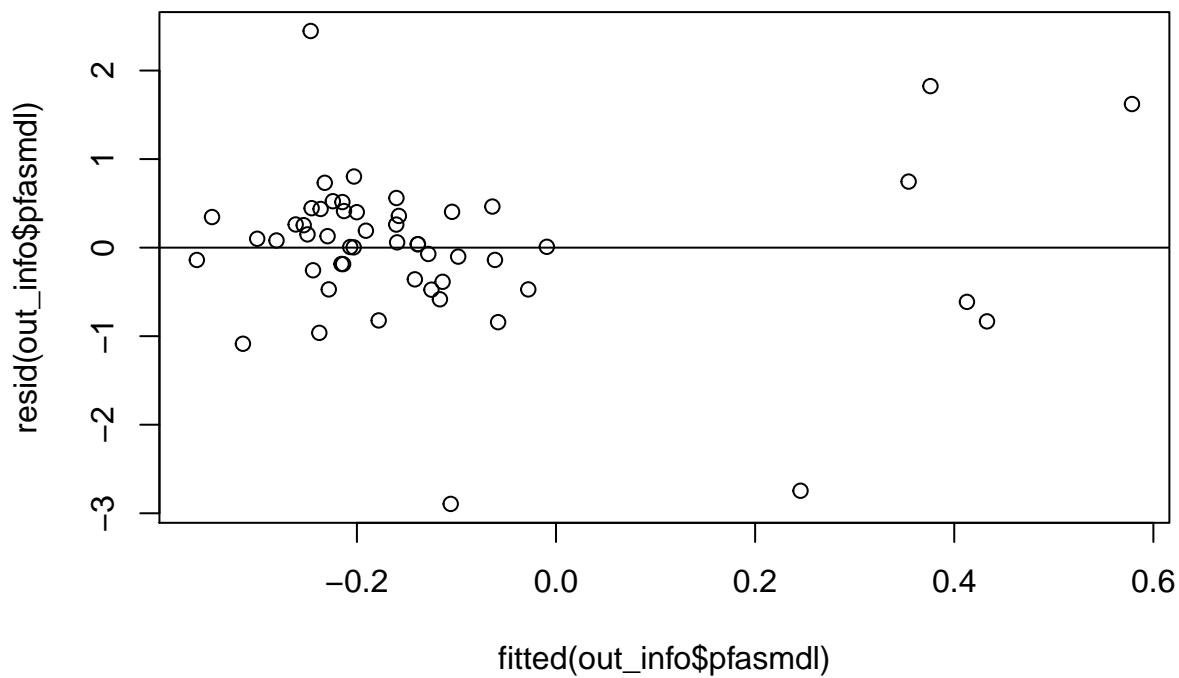
**Normal Q-Q Plot**



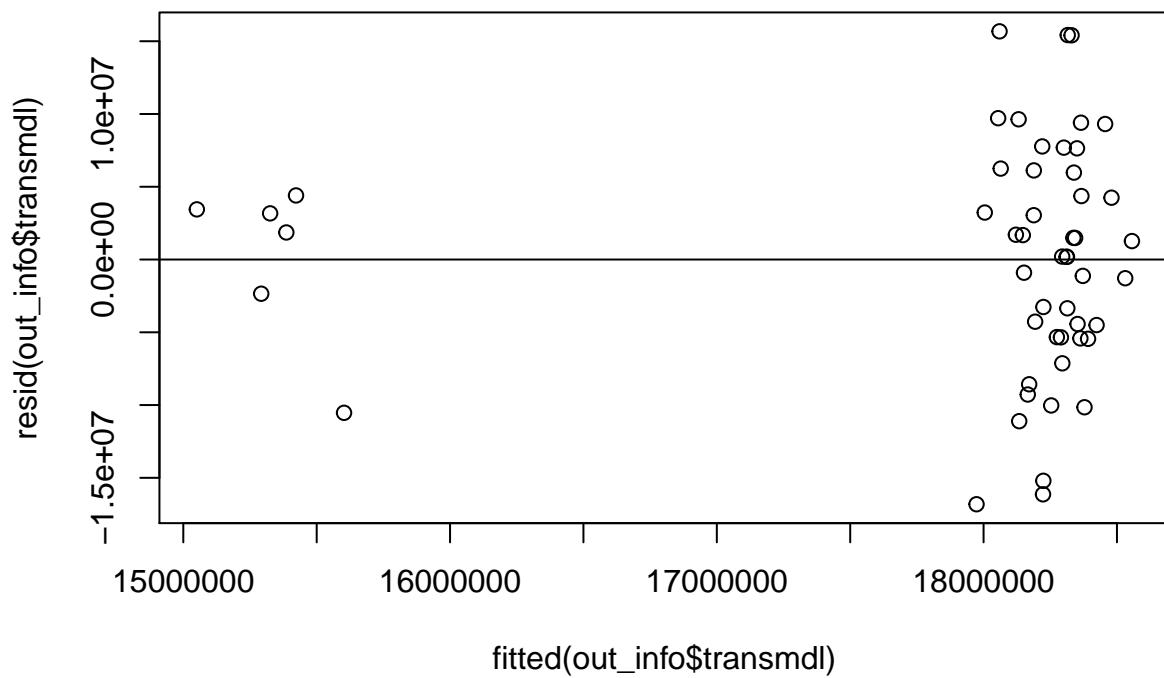
### Normal Q-Q Plot



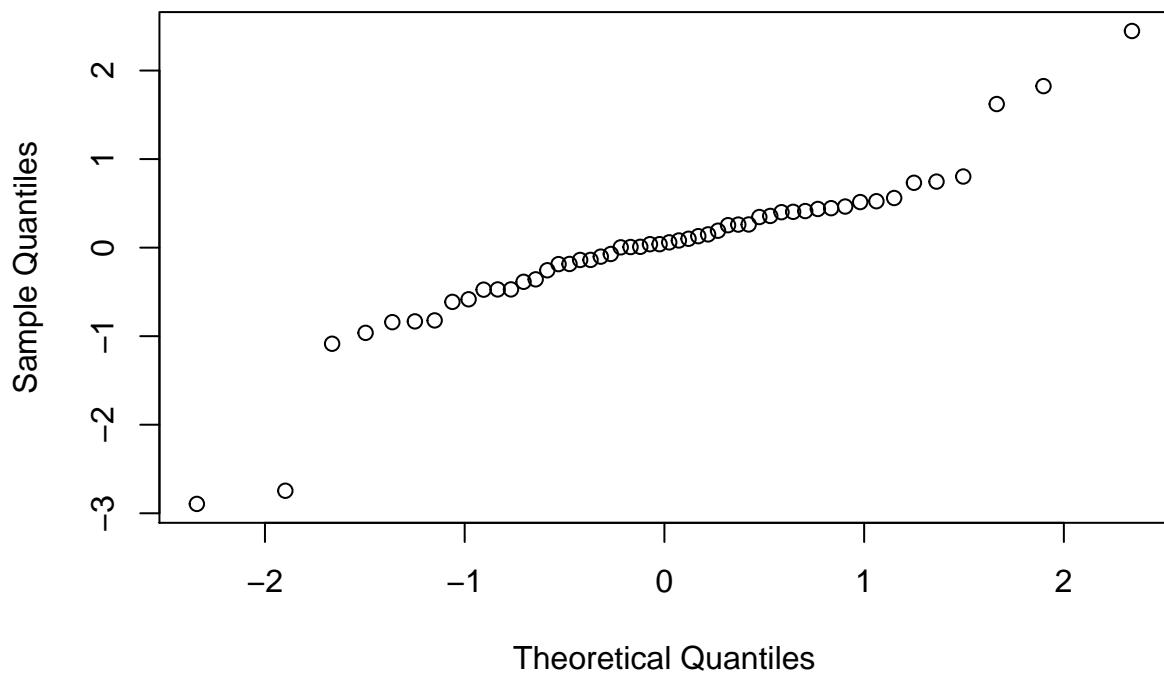
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity**



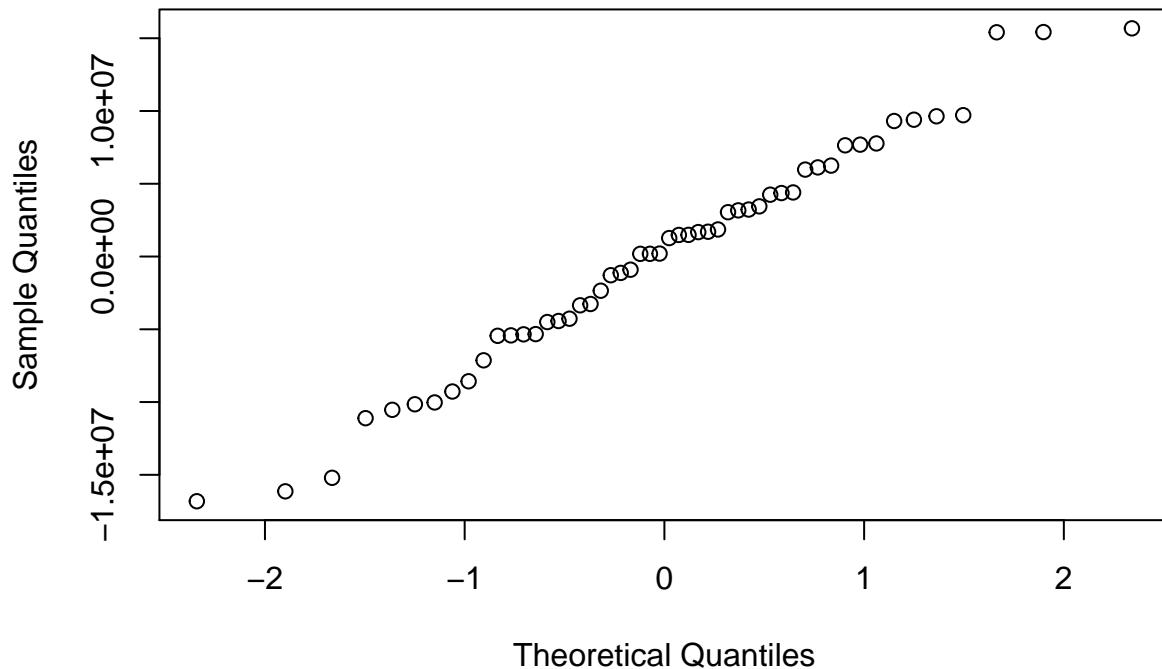
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.duration.hrs  
Plot of fnPFOStransEthnicity**



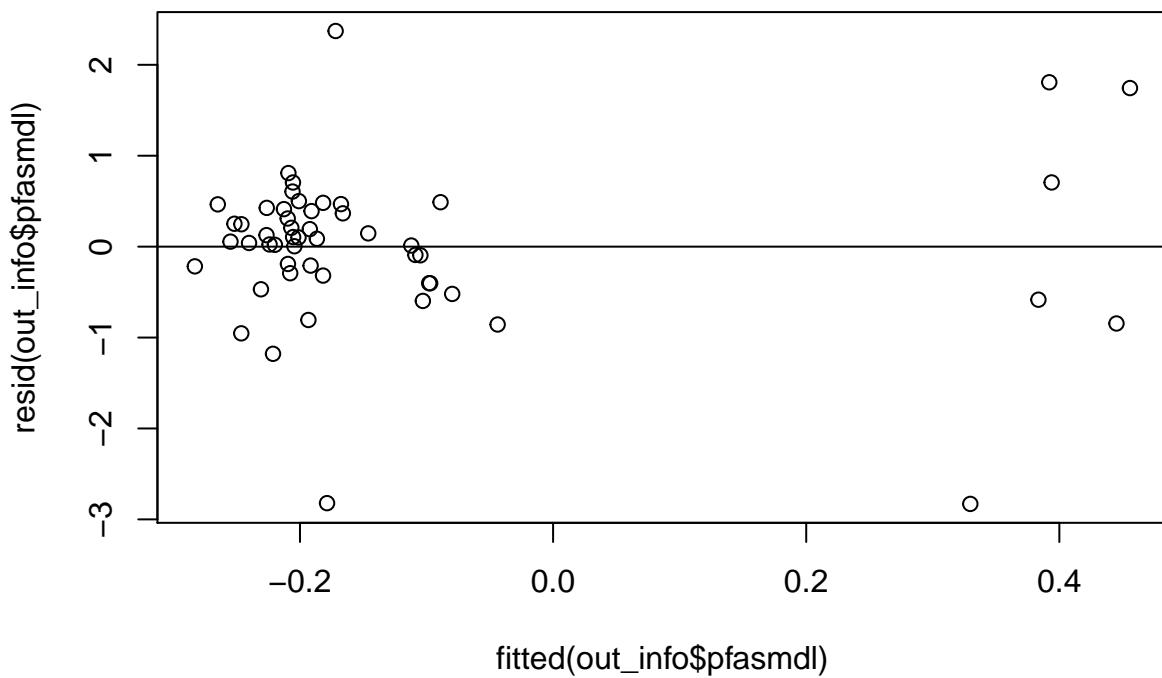
**Normal Q-Q Plot**



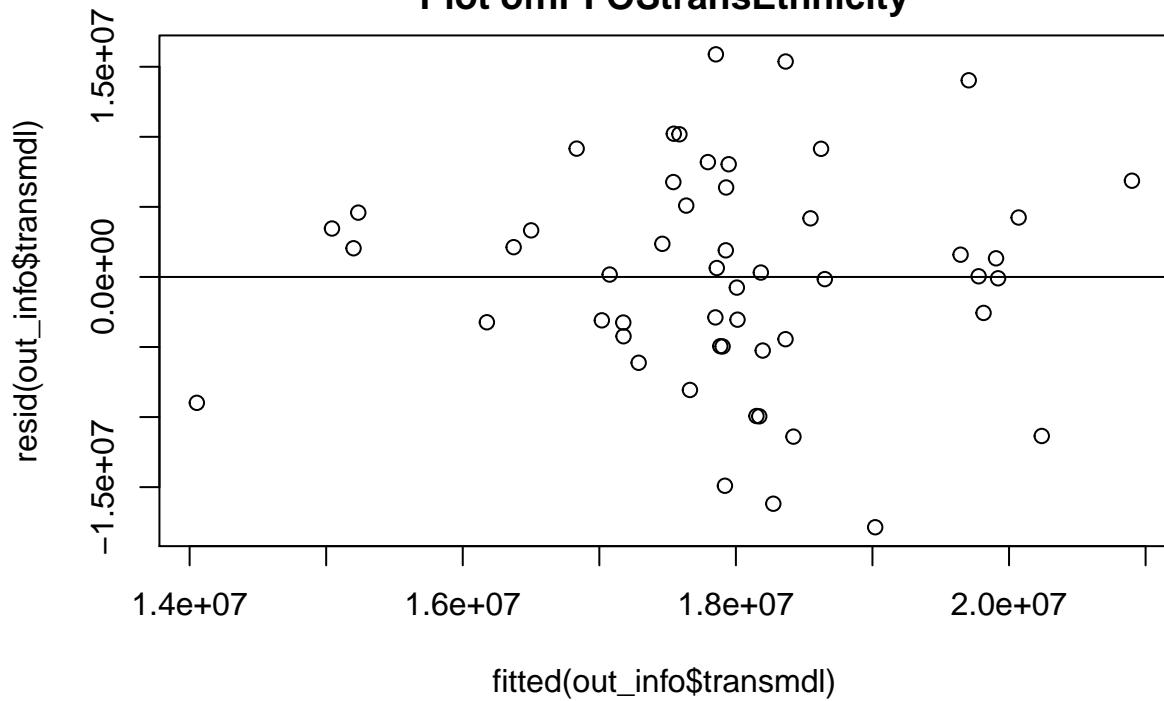
### Normal Q-Q Plot



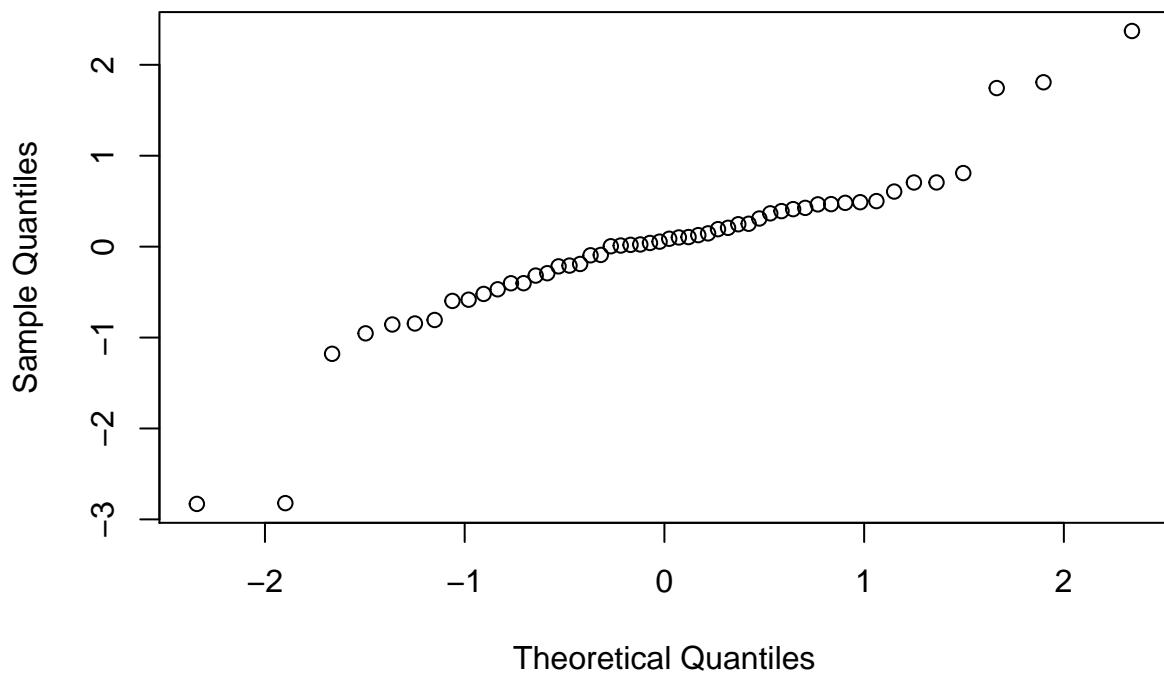
**Plot of PFHX\$orig +  
Plot of PFHX\$origstr.duration.hrs  
Plot of PFHX\$origEthnicity**

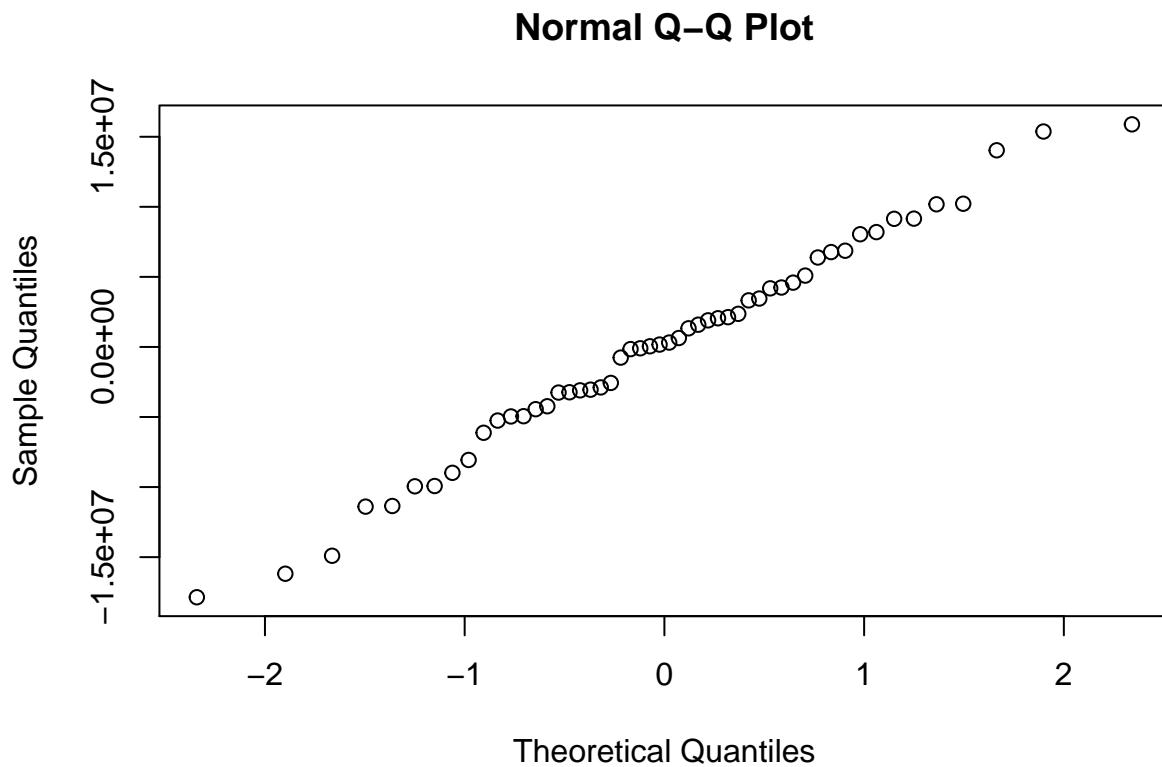


**Plot of nPFOStrans+  
Plot of nPFOStransstr.duration.hrs  
Plot of nPFOStransEthnicity**

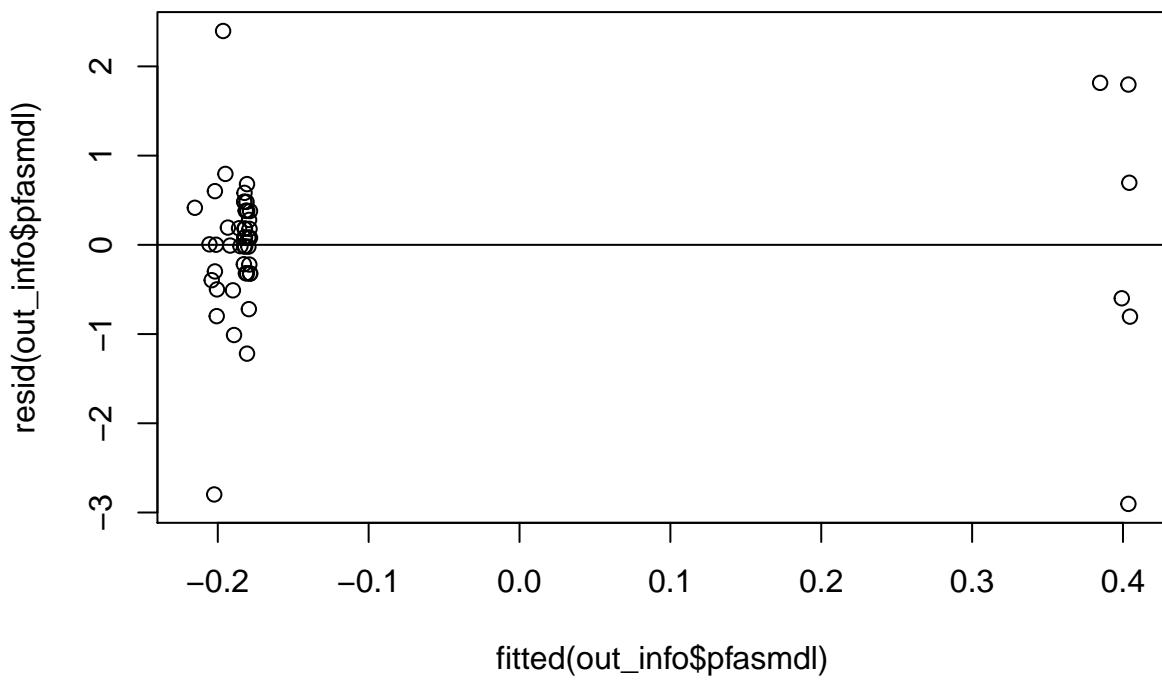


**Normal Q-Q Plot**

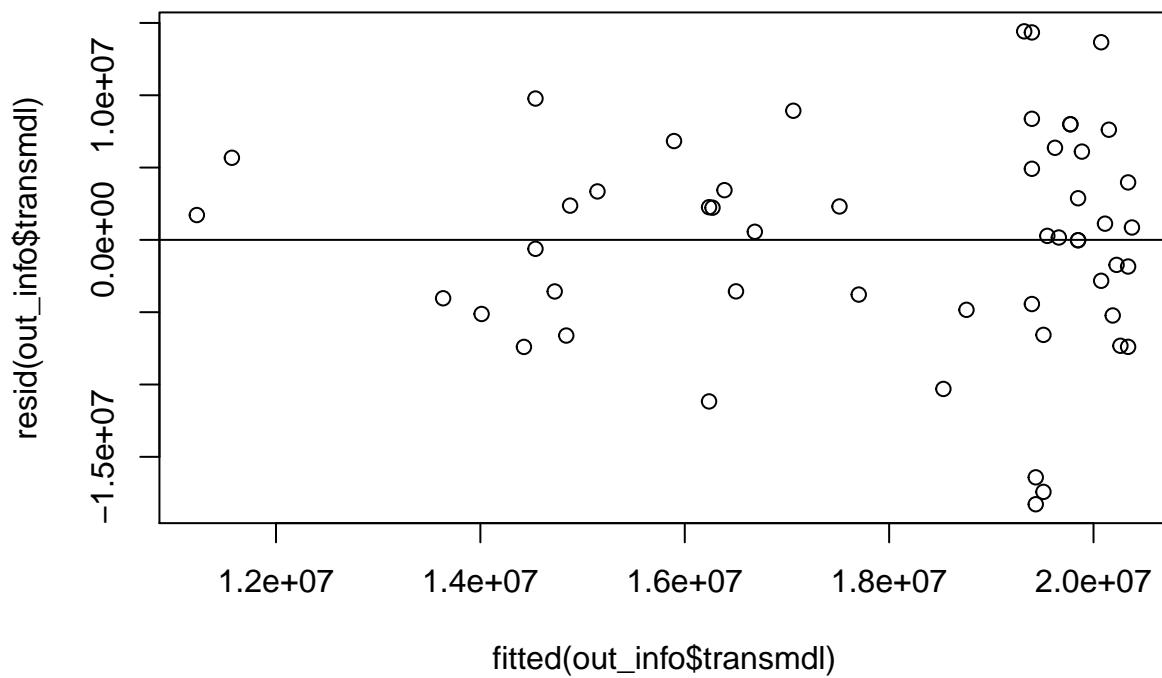




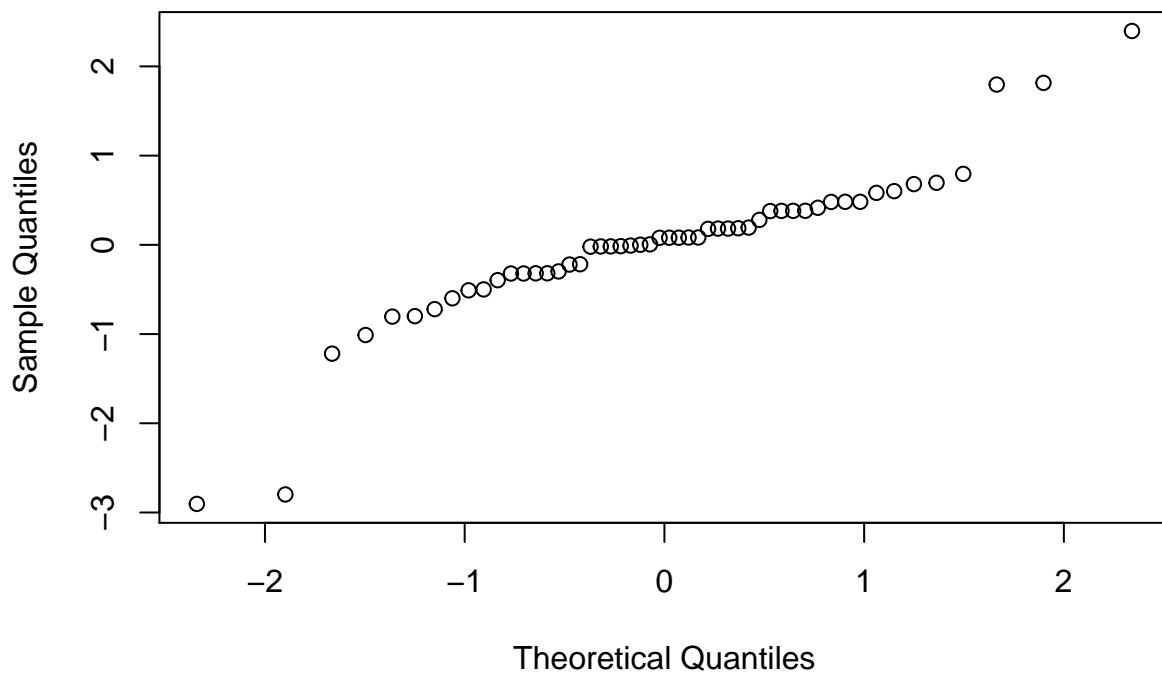
**Plot of PFHX\$orig +  
Plot of PFHX\$origdays.since.MRF  
Plot of PFHX\$origEthnicity**



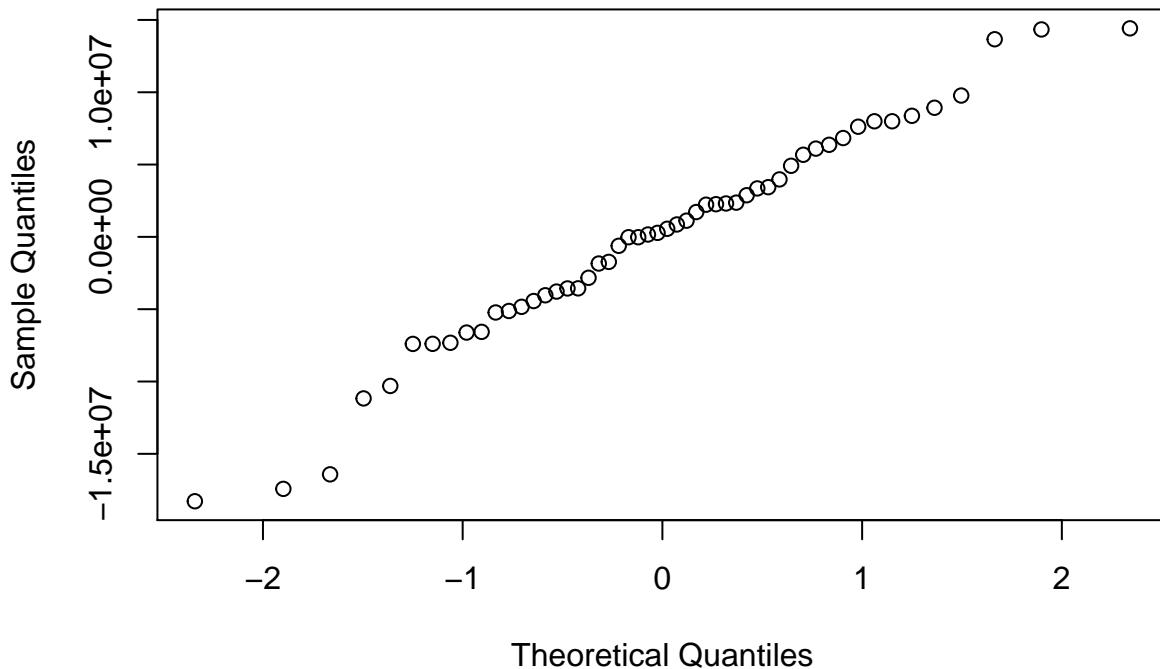
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.MRF  
Plot of fnPFOStransEthnicity**



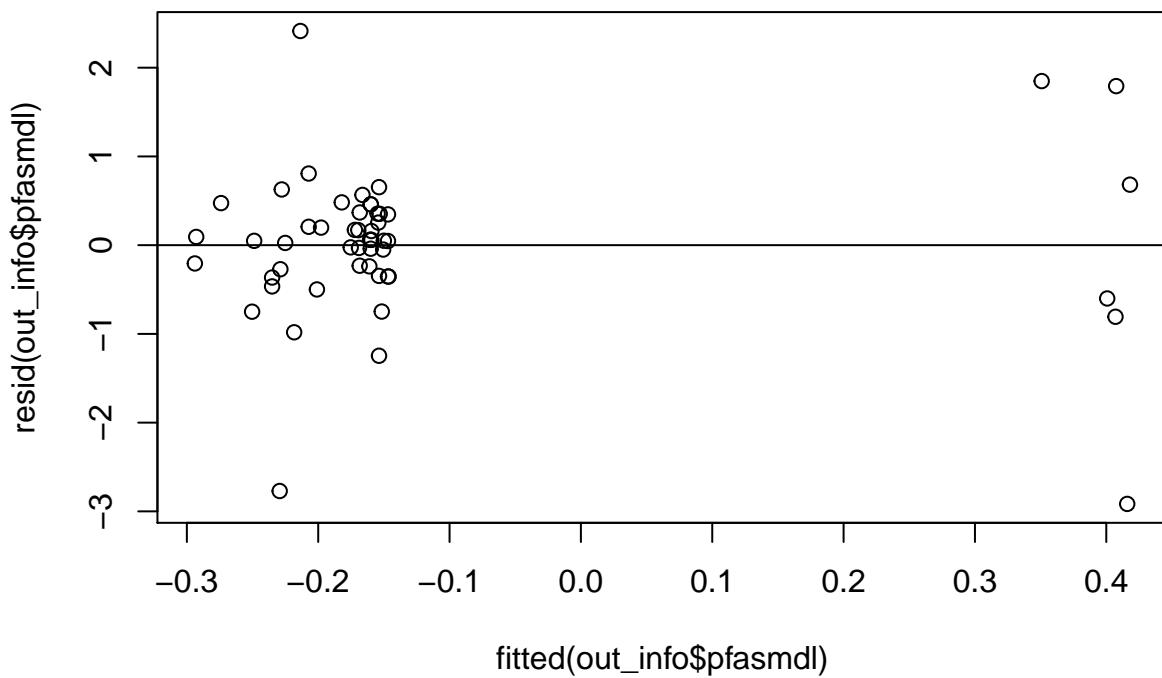
**Normal Q-Q Plot**



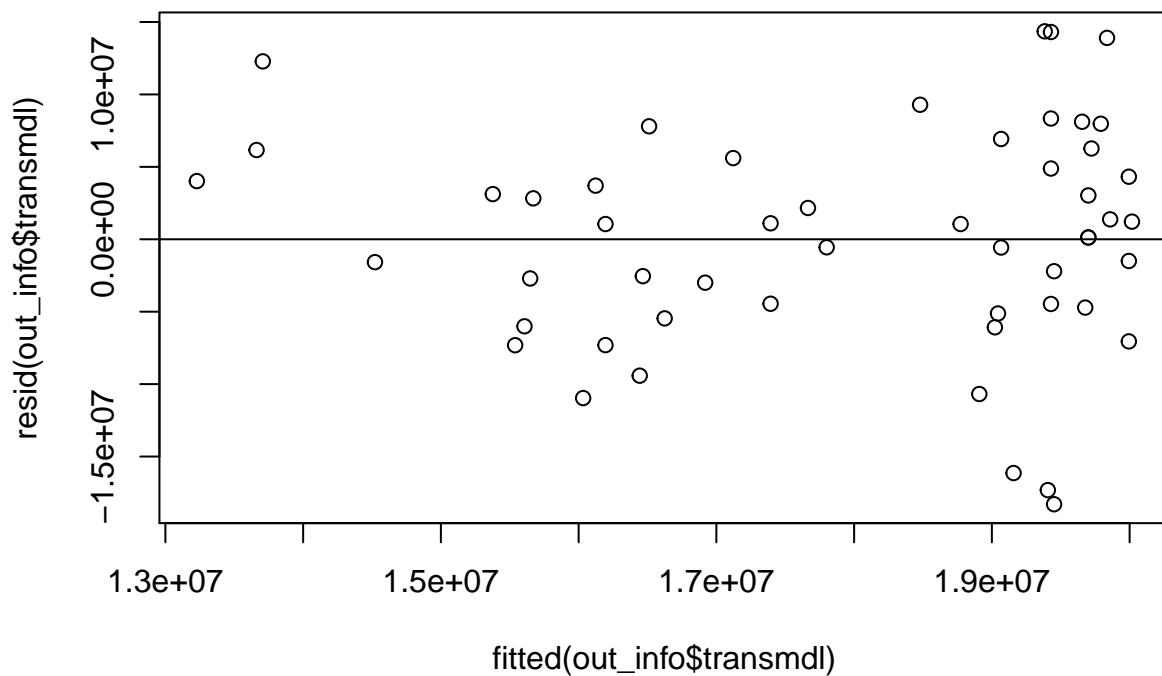
### Normal Q-Q Plot



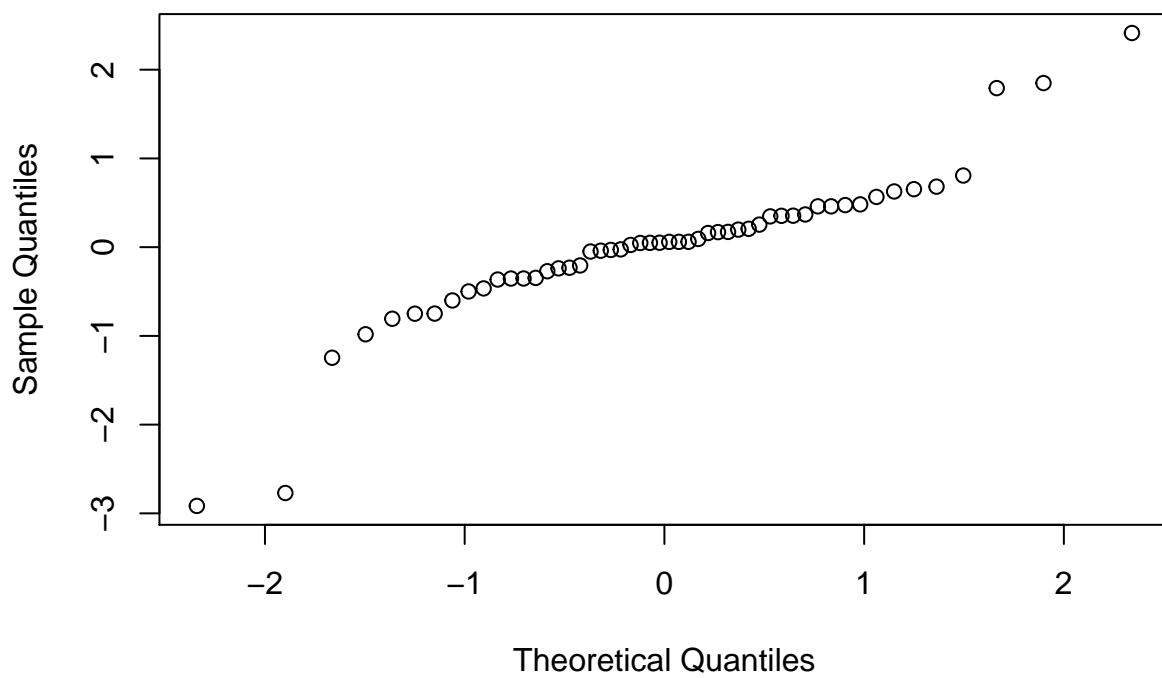
**Plot of PFHXSorig+**  
**Plot of PFHXSorigdays.since.struc.MRF**  
**Plot of PFHXSorigEthnicity**



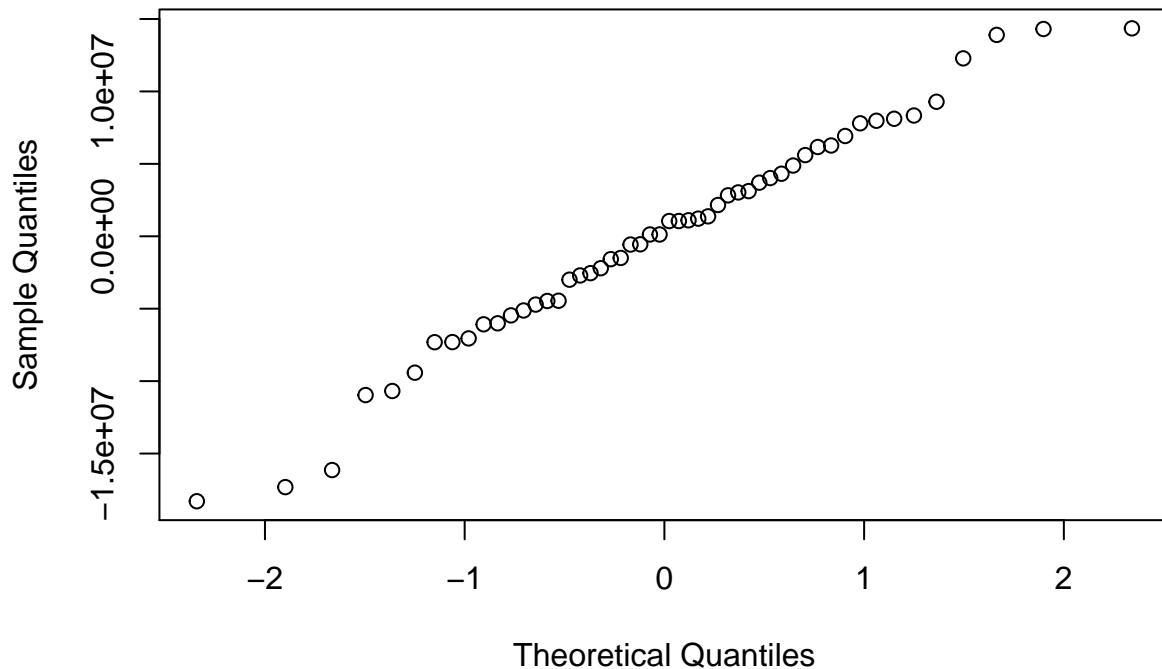
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.struc.MRF  
Plot of fnPFOStransEthnicity**



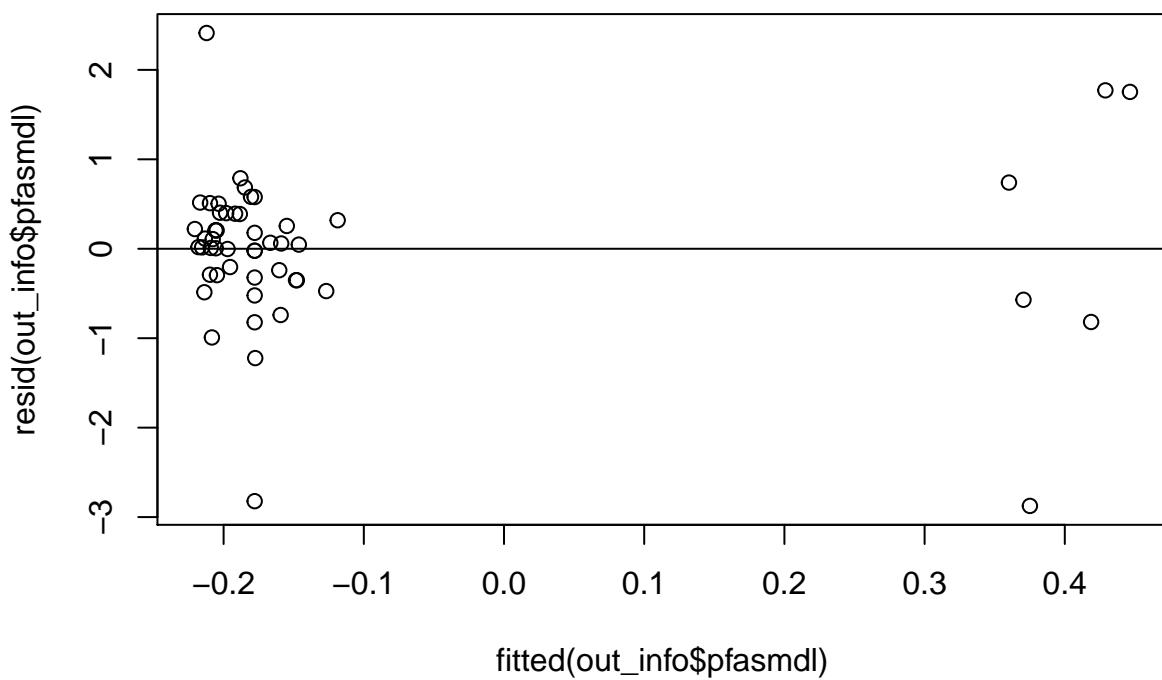
**Normal Q-Q Plot**



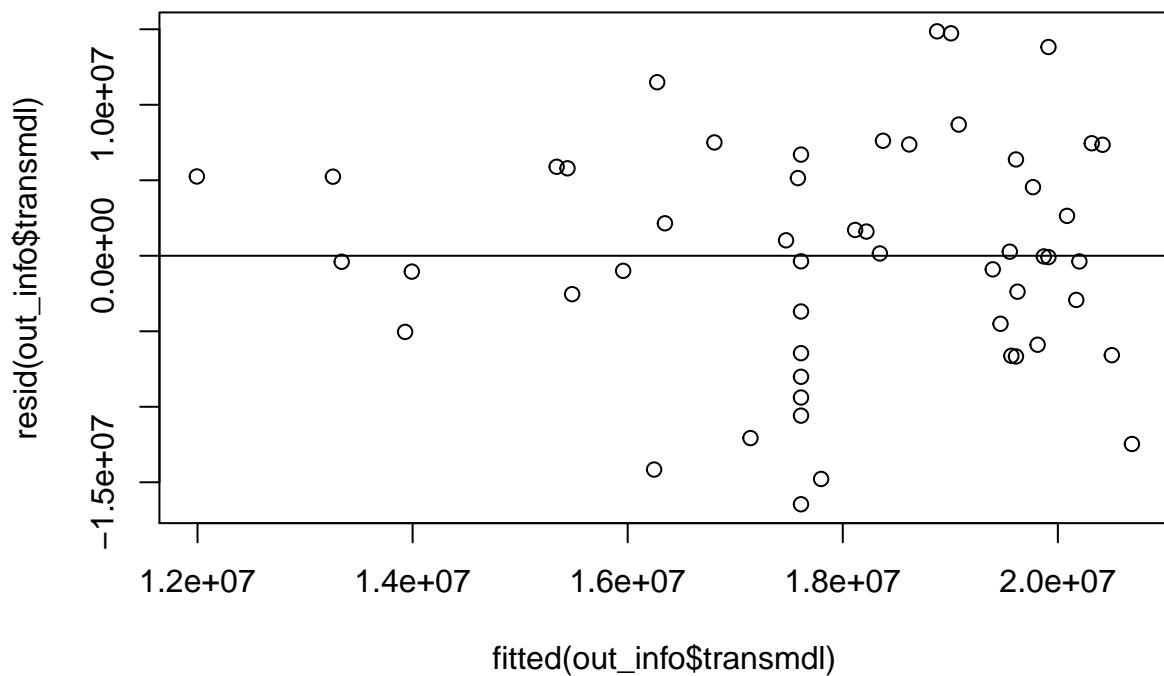
### Normal Q-Q Plot



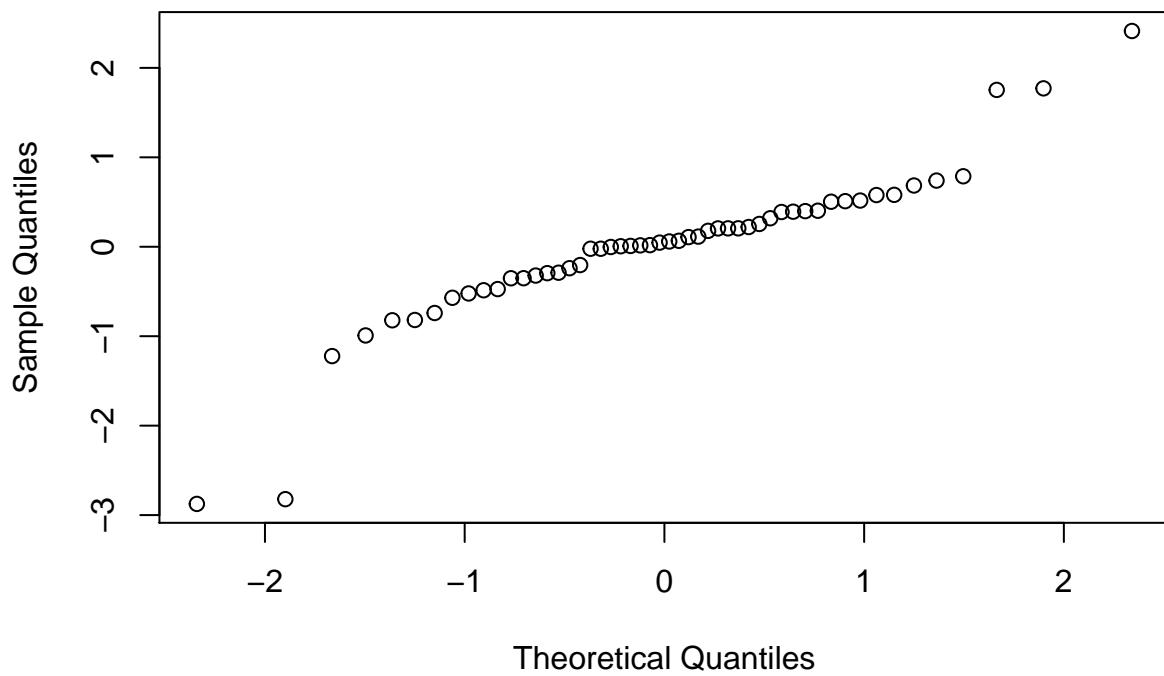
**Plot of PFHX\$orig+**  
**Plot of PFHX\$origtime.since.baseline**  
**Plot of PFHX\$origEthnicity**



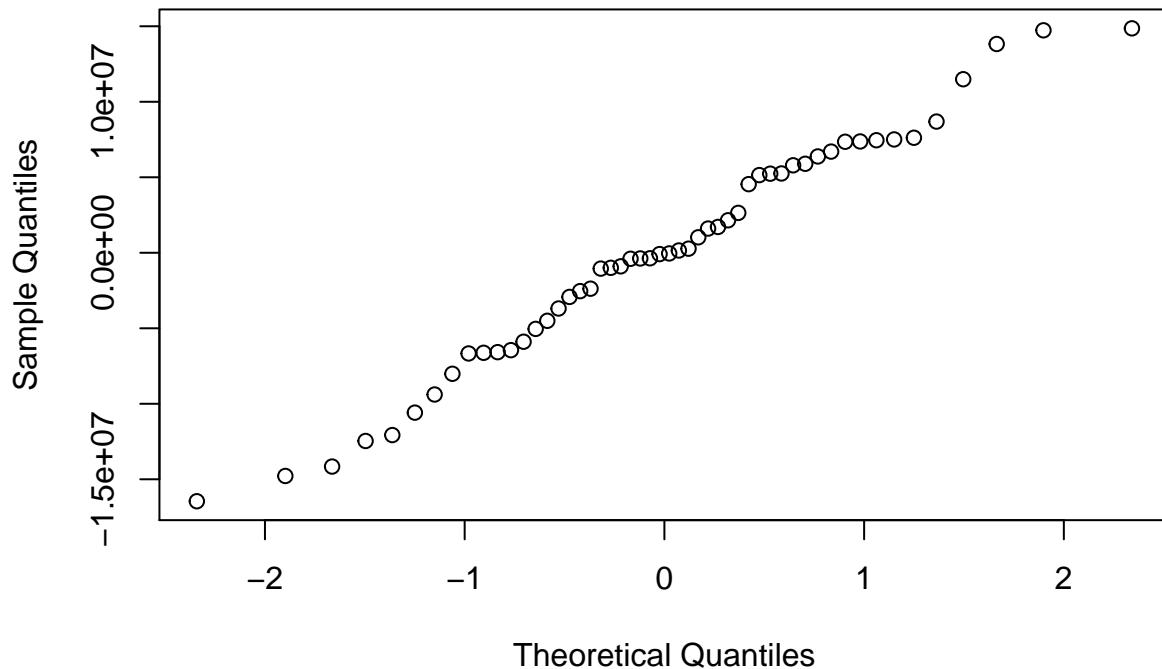
**Plot of fnPFOStrans+  
Plot of fnPFOStranstime.since.baseline  
Plot of fnPFOStransEthnicity**



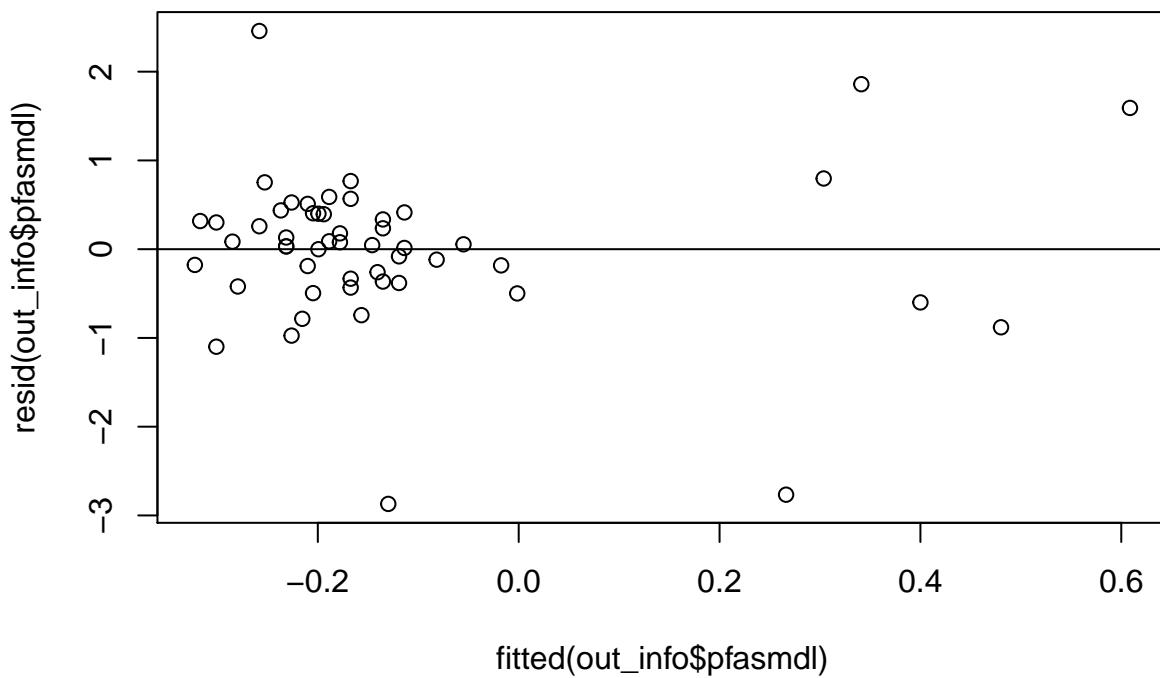
**Normal Q-Q Plot**



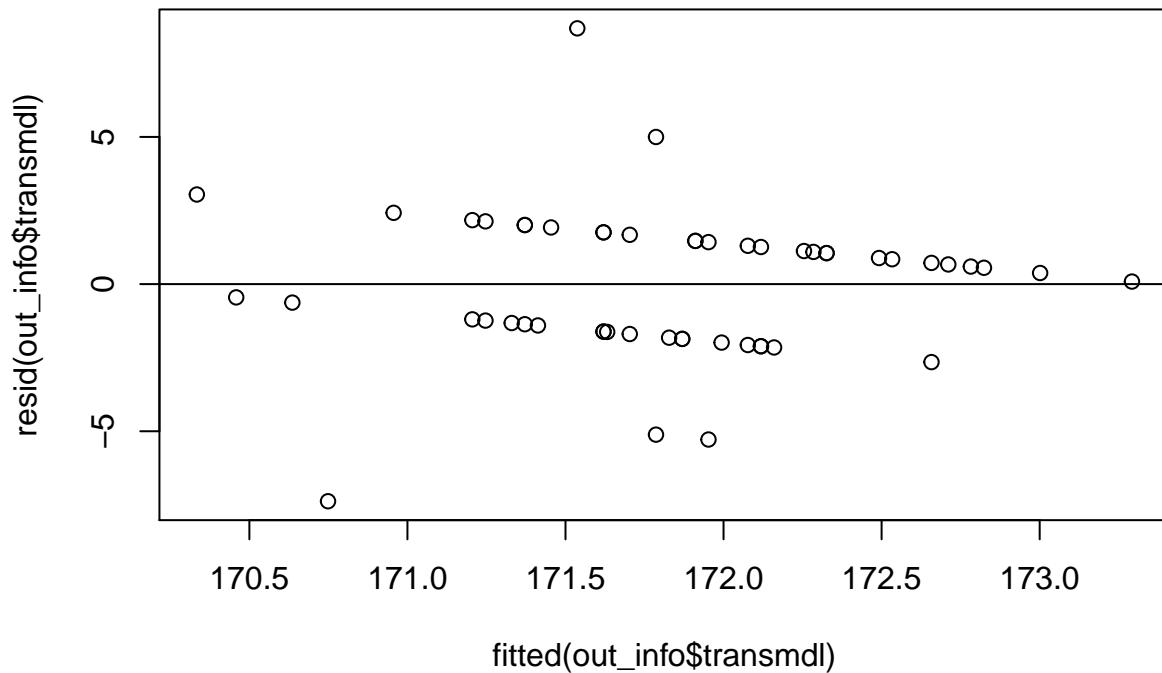
### Normal Q-Q Plot



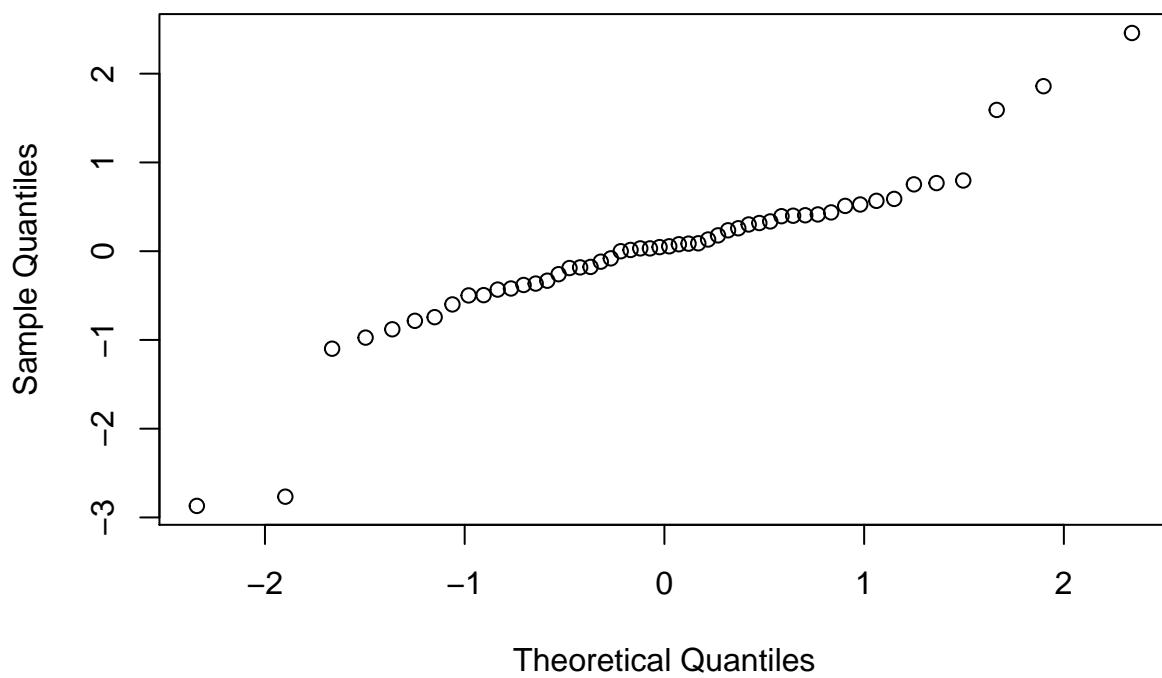
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.num.fireruns  
Plot of PFHX\$orig\$Ethnicity**



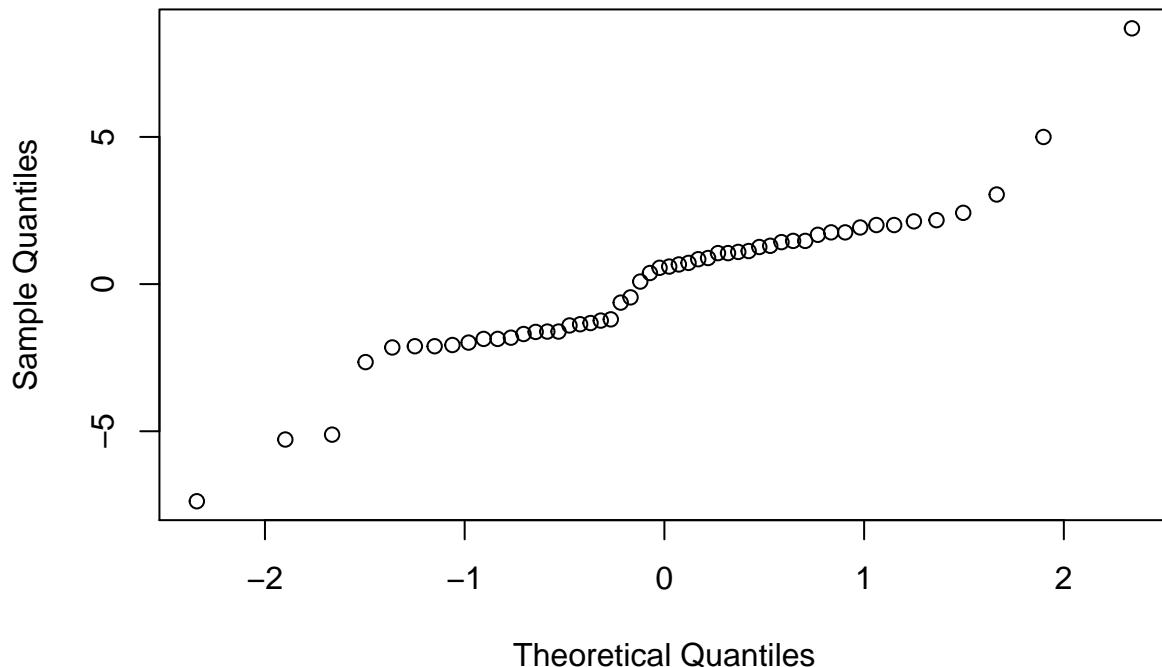
**Plot of PFDEAtrans+  
Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



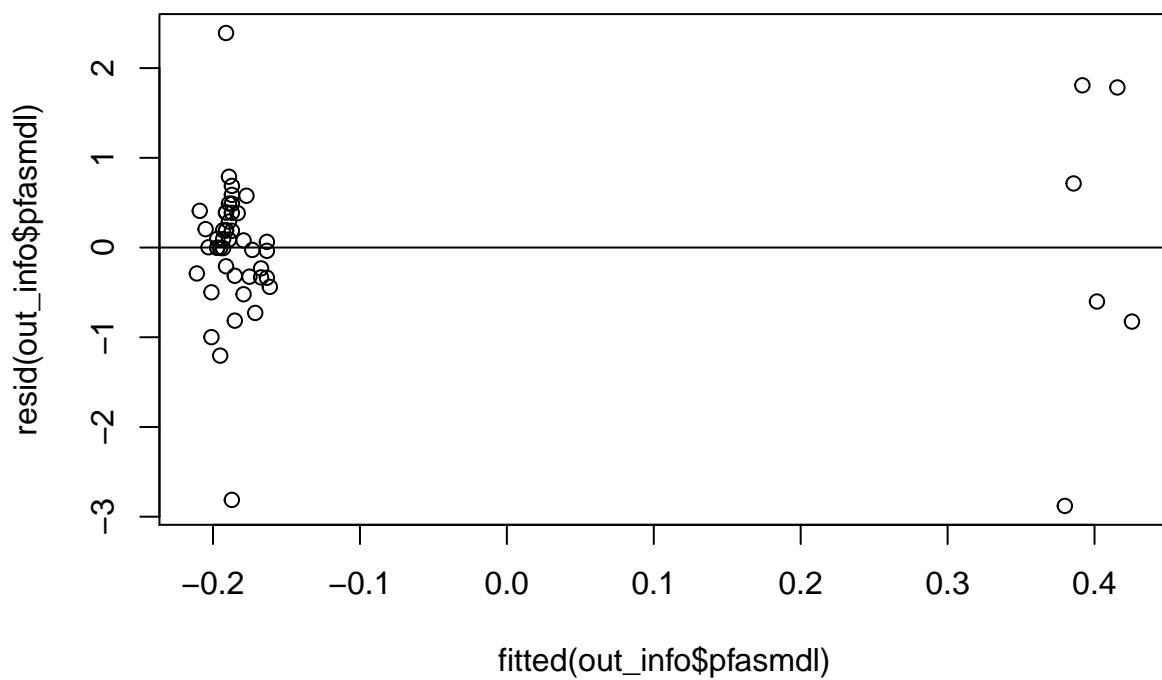
**Normal Q-Q Plot**



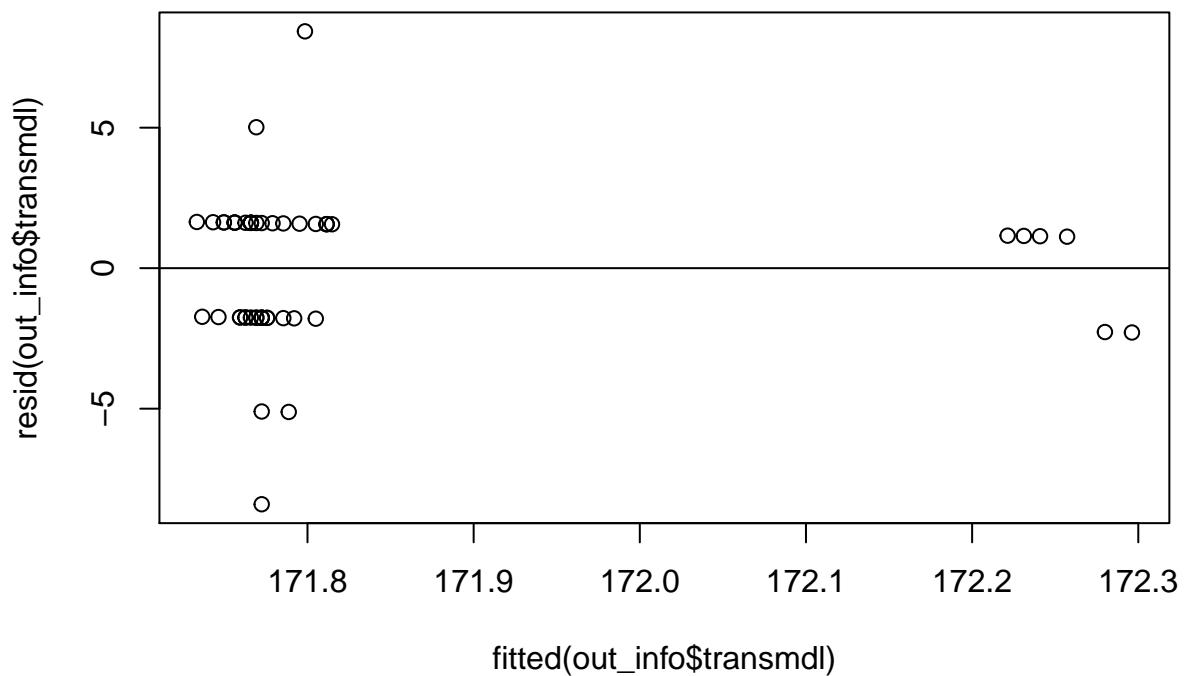
### Normal Q-Q Plot



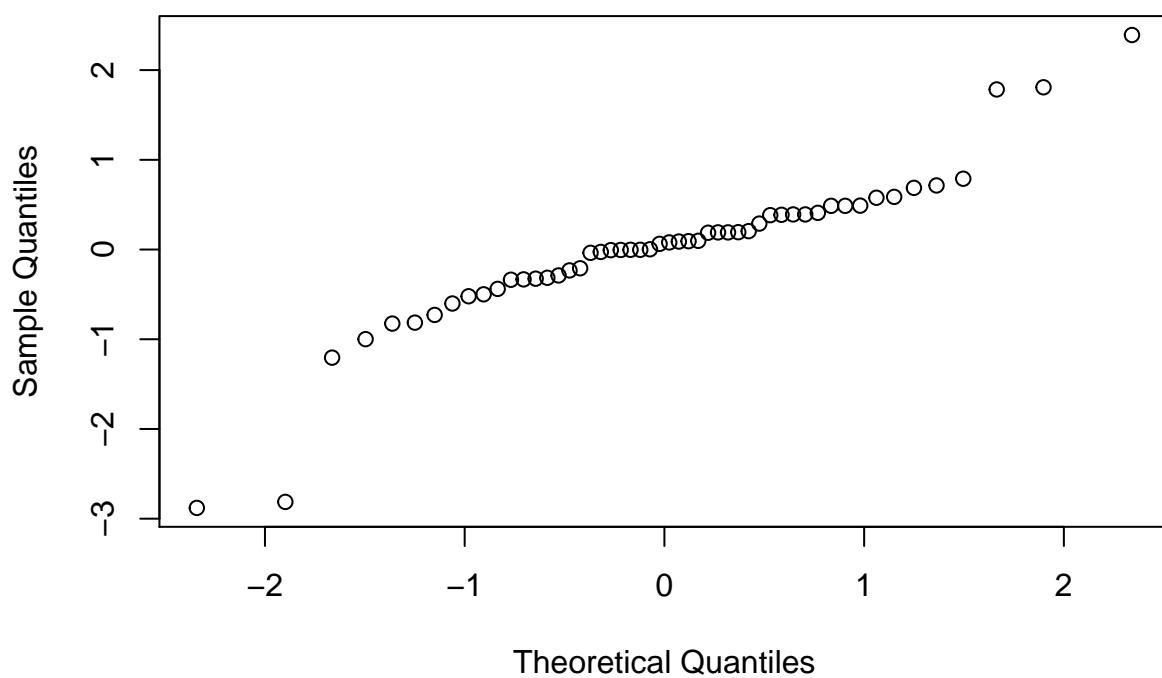
**Plot of PFHX\$orig+  
Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



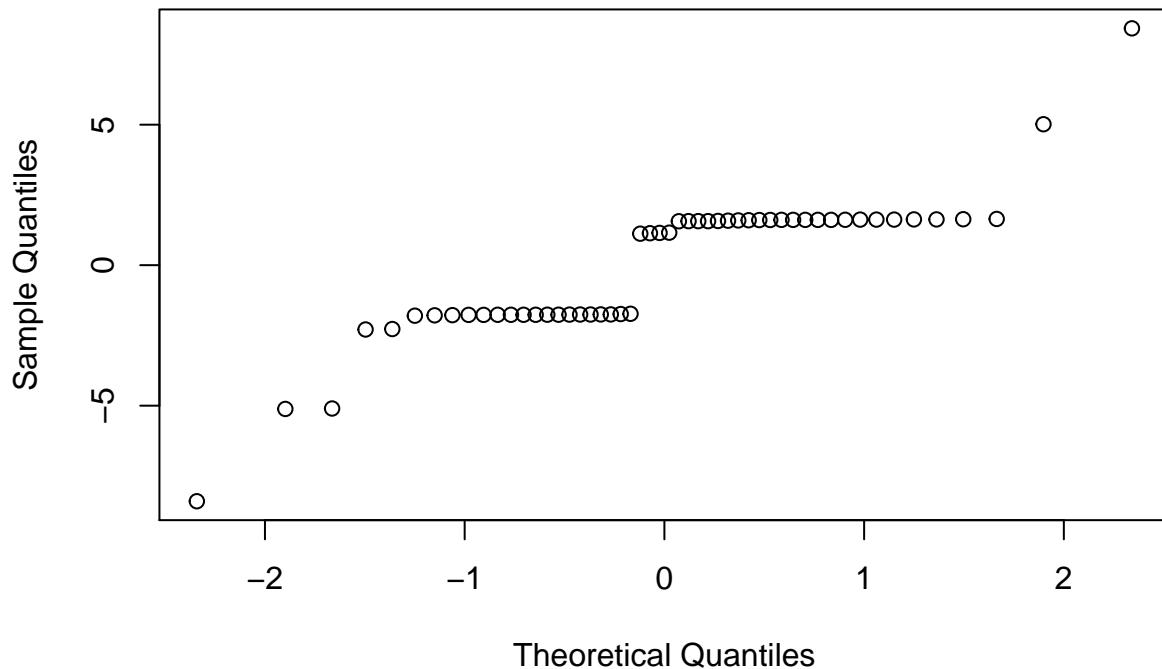
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



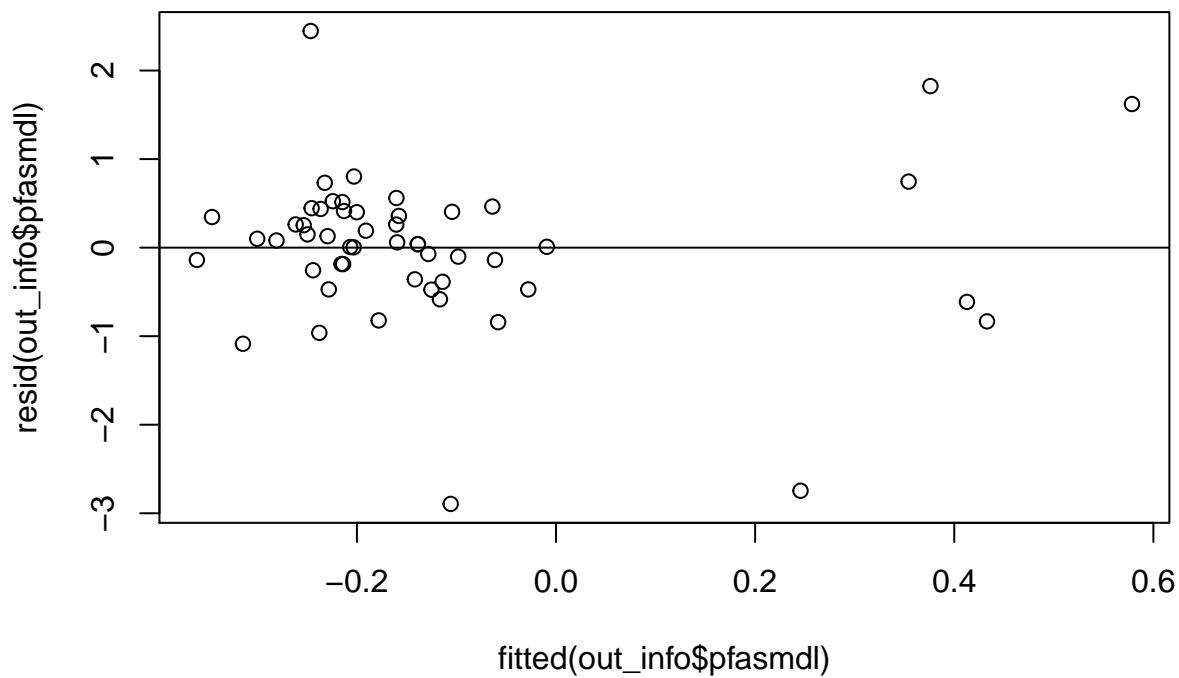
**Normal Q-Q Plot**



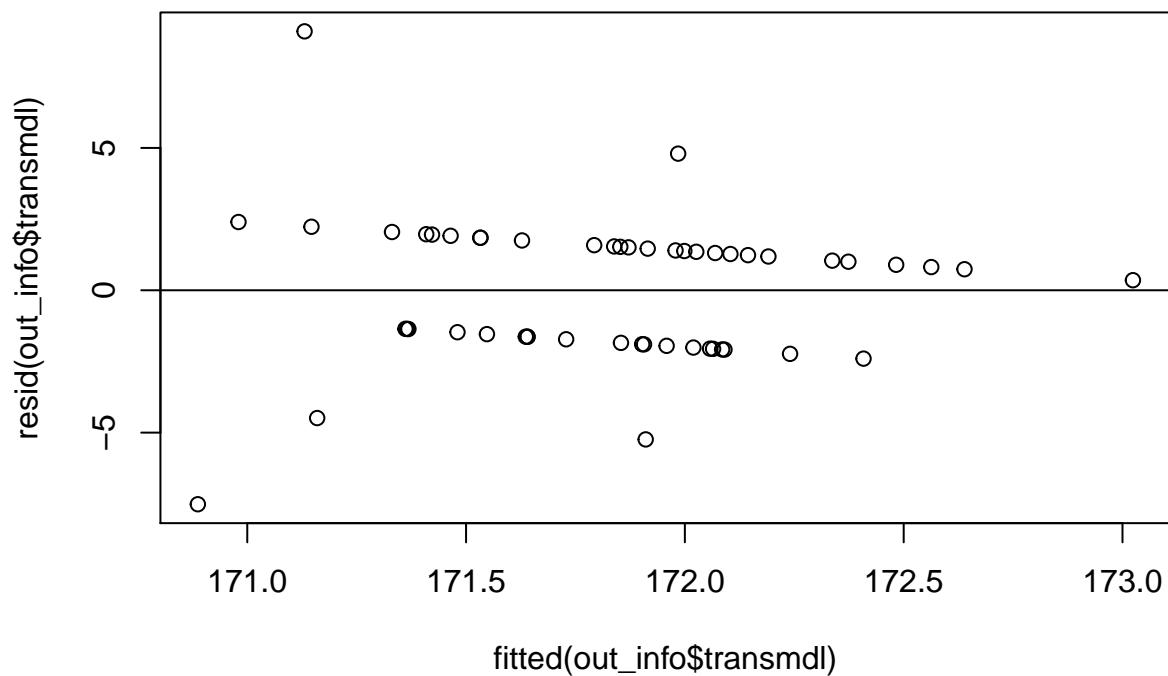
### Normal Q-Q Plot



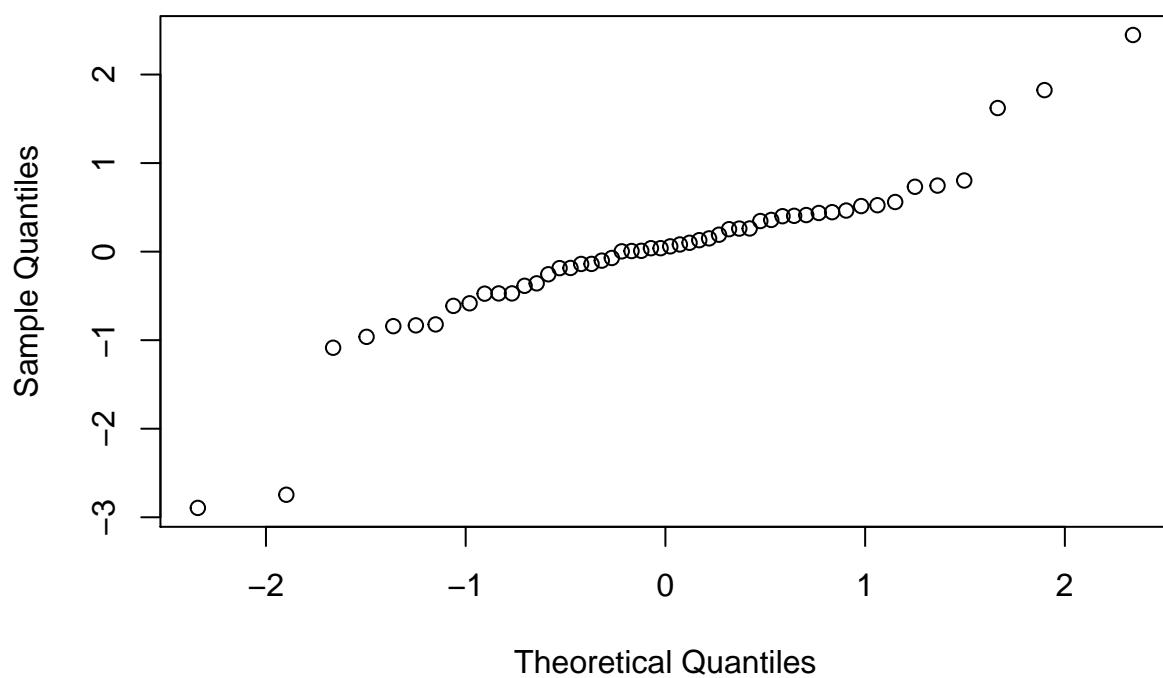
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity**



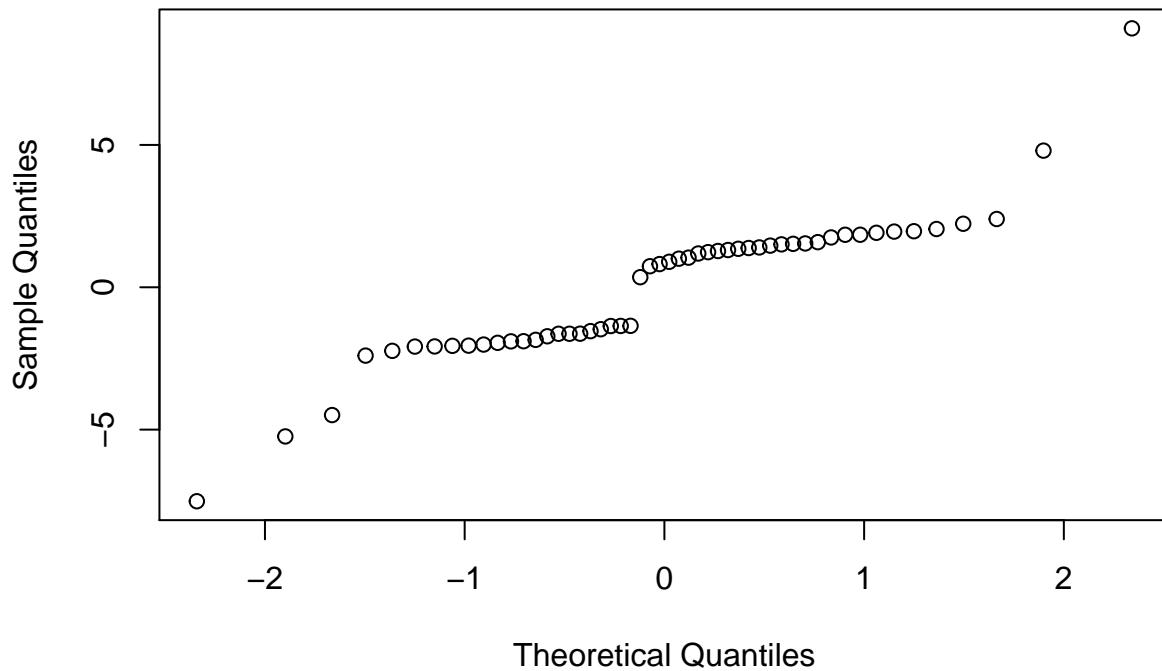
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Plot of PFDEAtran\$total.duration.hrs  
Plot of PFDEAtransEthnicity**



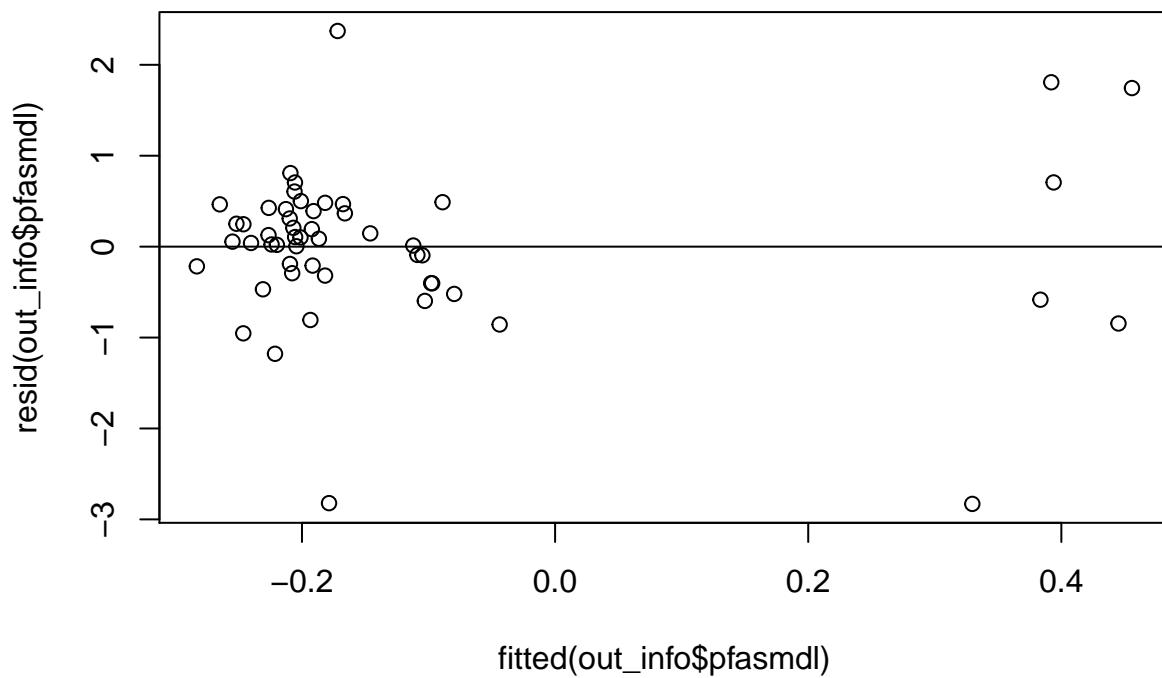
**Normal Q-Q Plot**



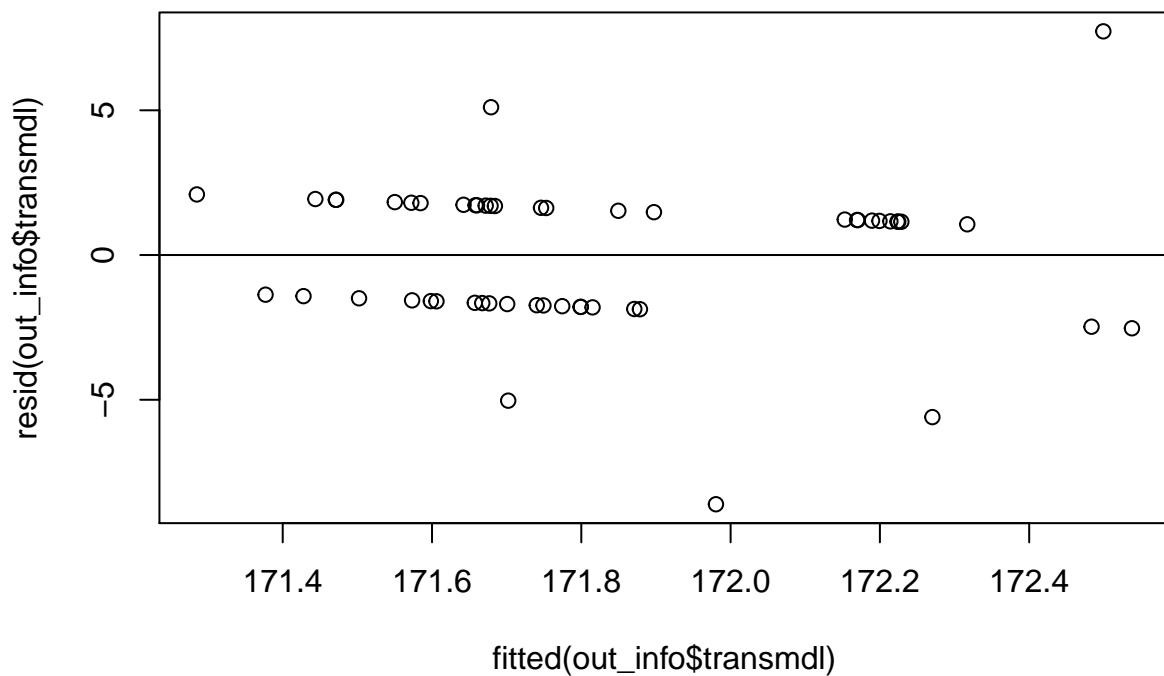
### Normal Q-Q Plot



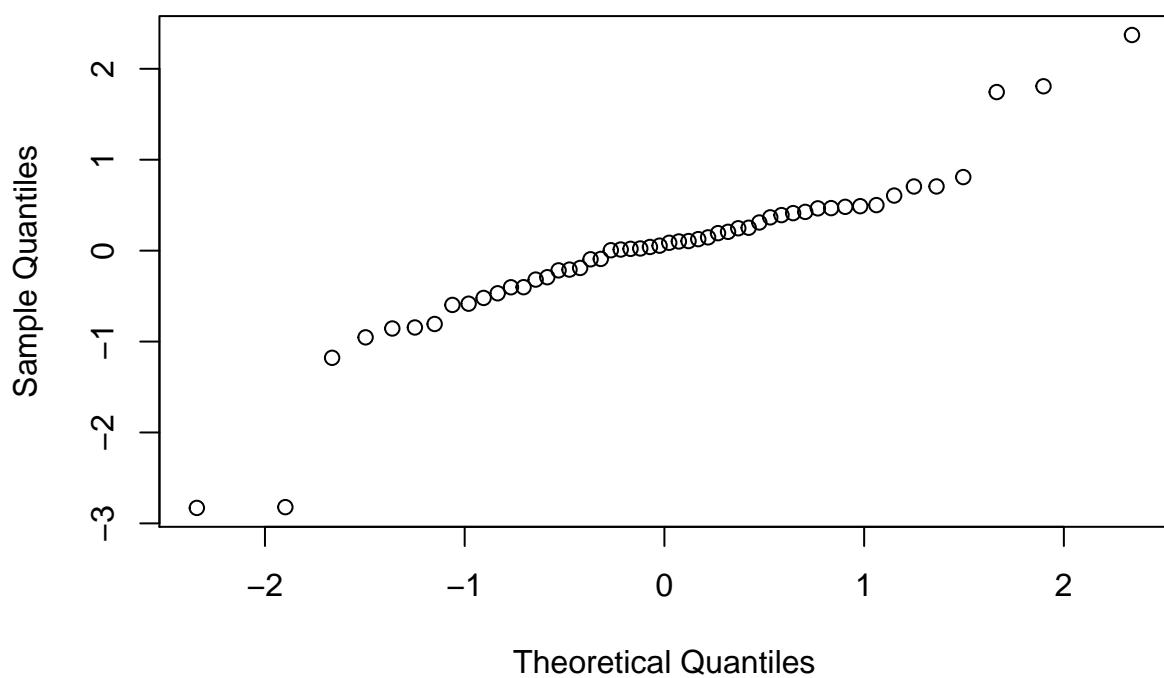
Plot of PFHX\$orig+  
Plot of PFHX\$origstr.duration.hrs  
Plot of PFHX\$origEthnicity



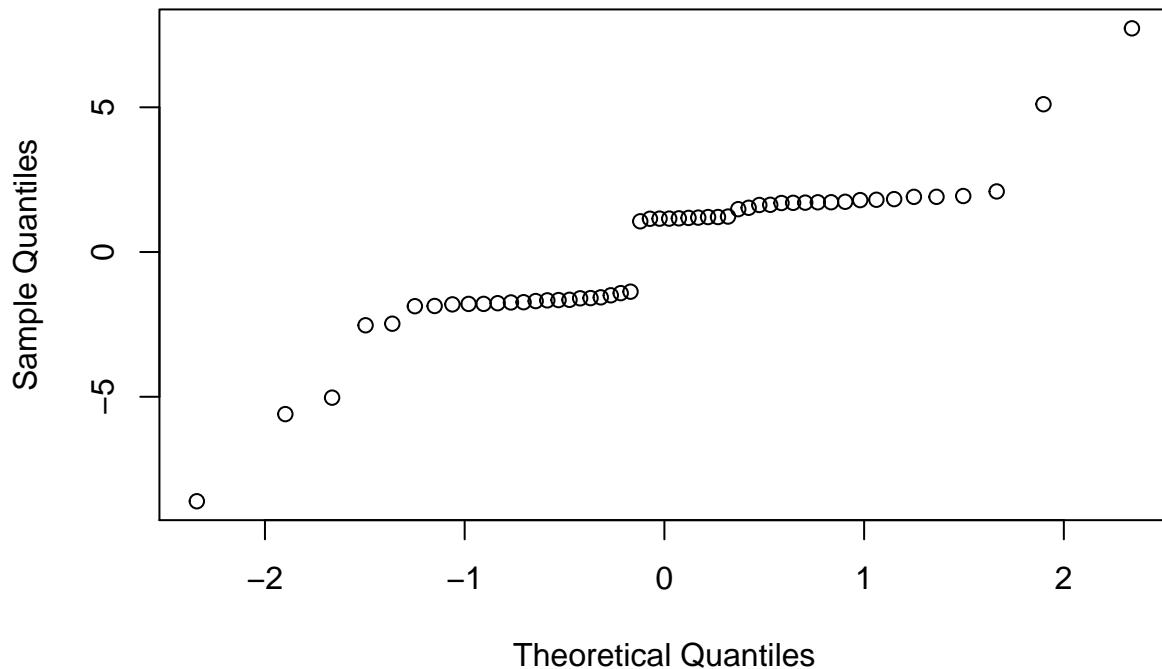
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



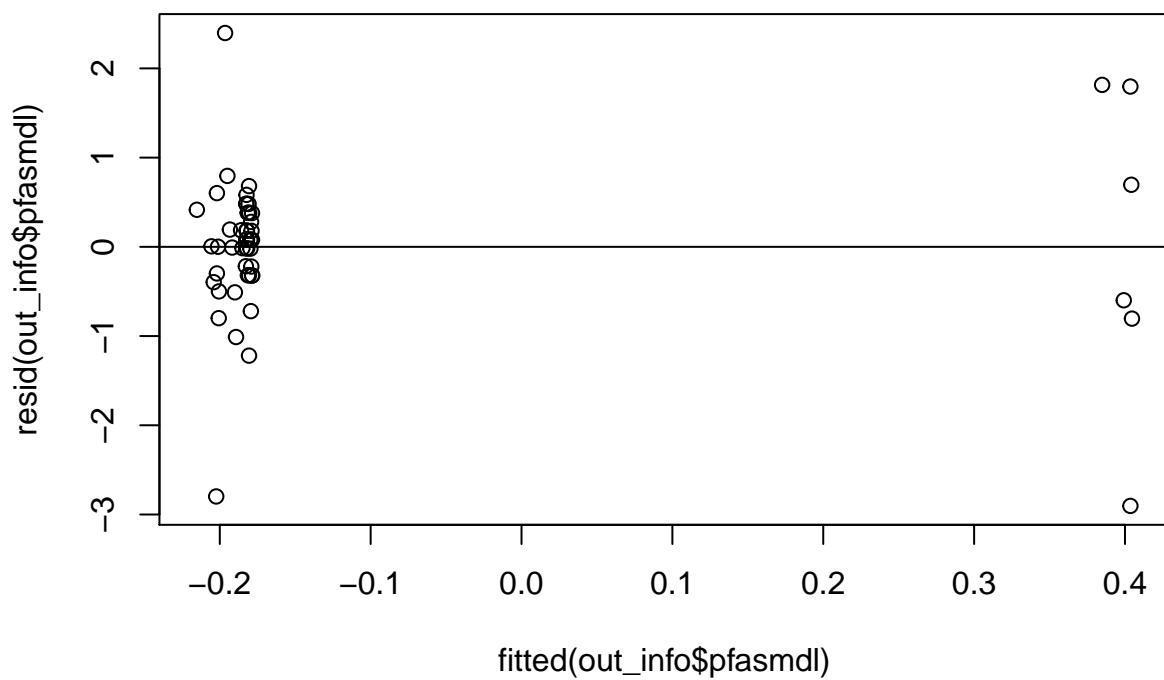
**Normal Q-Q Plot**



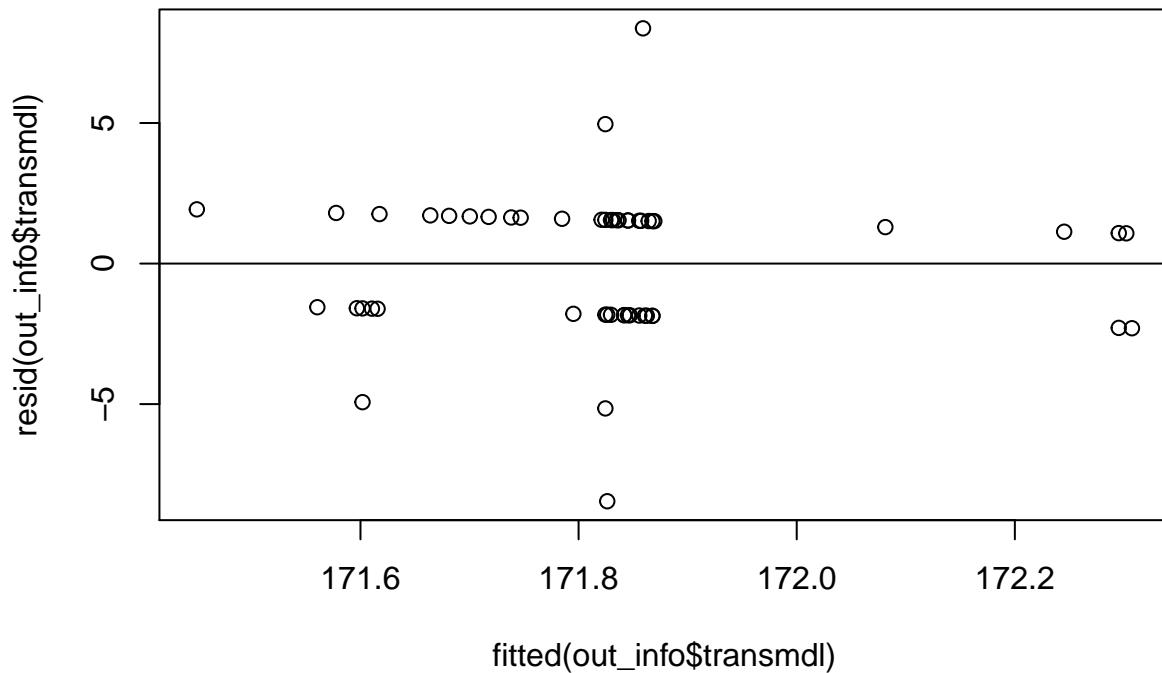
### Normal Q-Q Plot



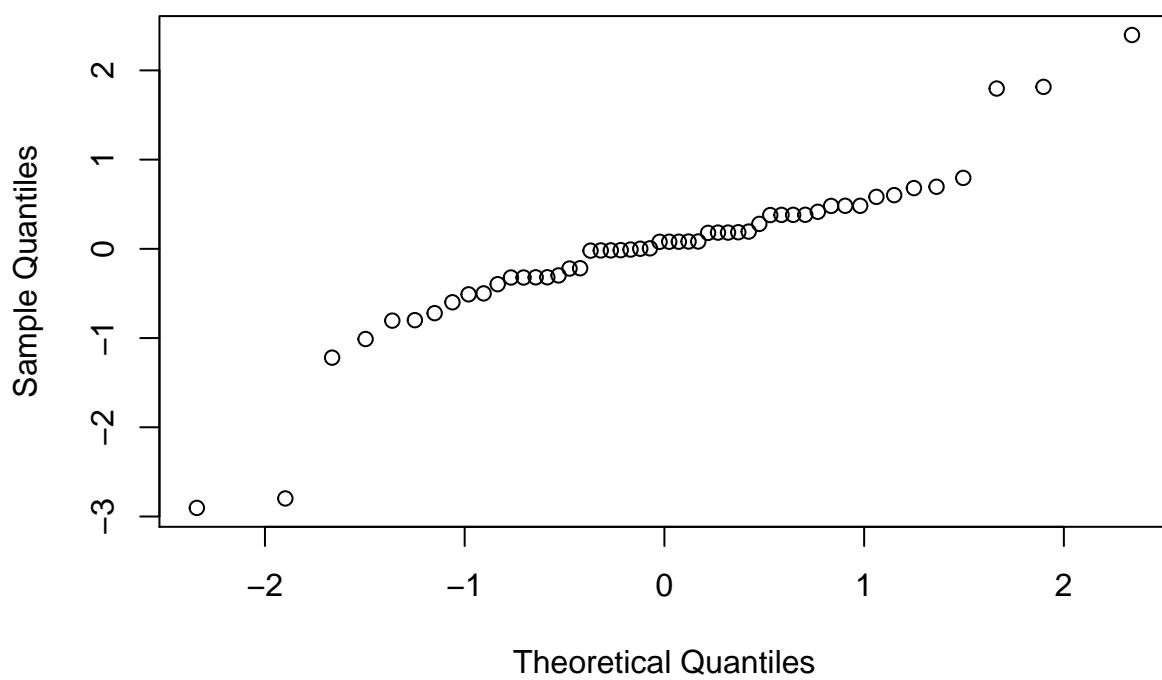
**Plot of PFHX\$orig+  
Plot of PFHX\$origdays.since.MRF  
Plot of PFHX\$origEthnicity**



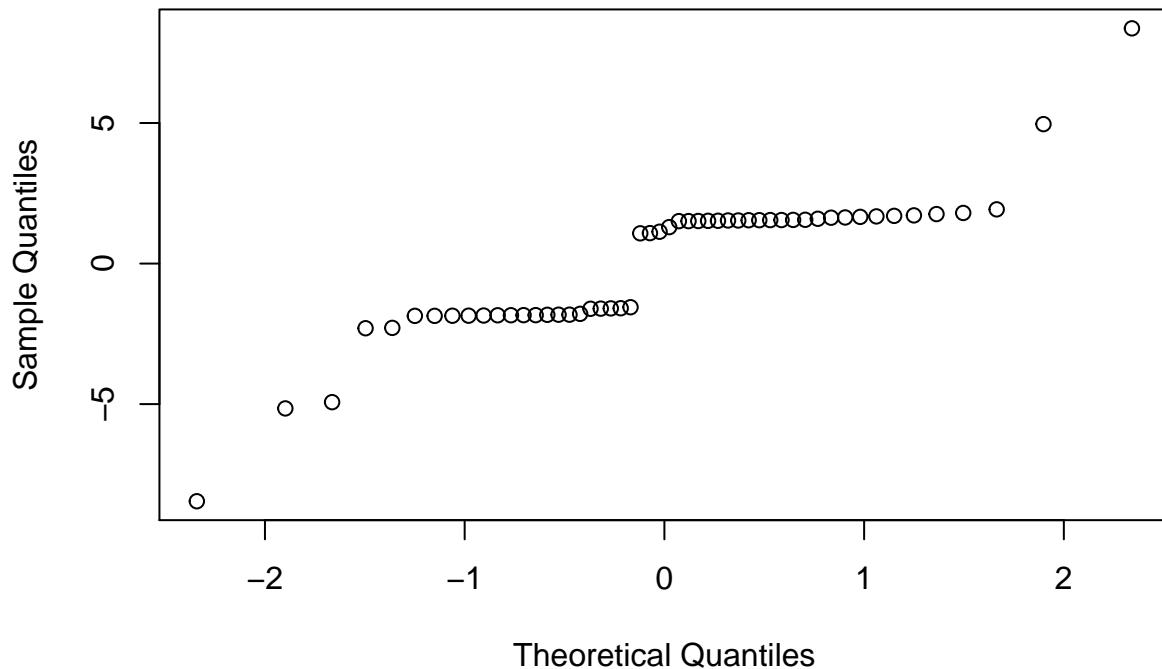
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



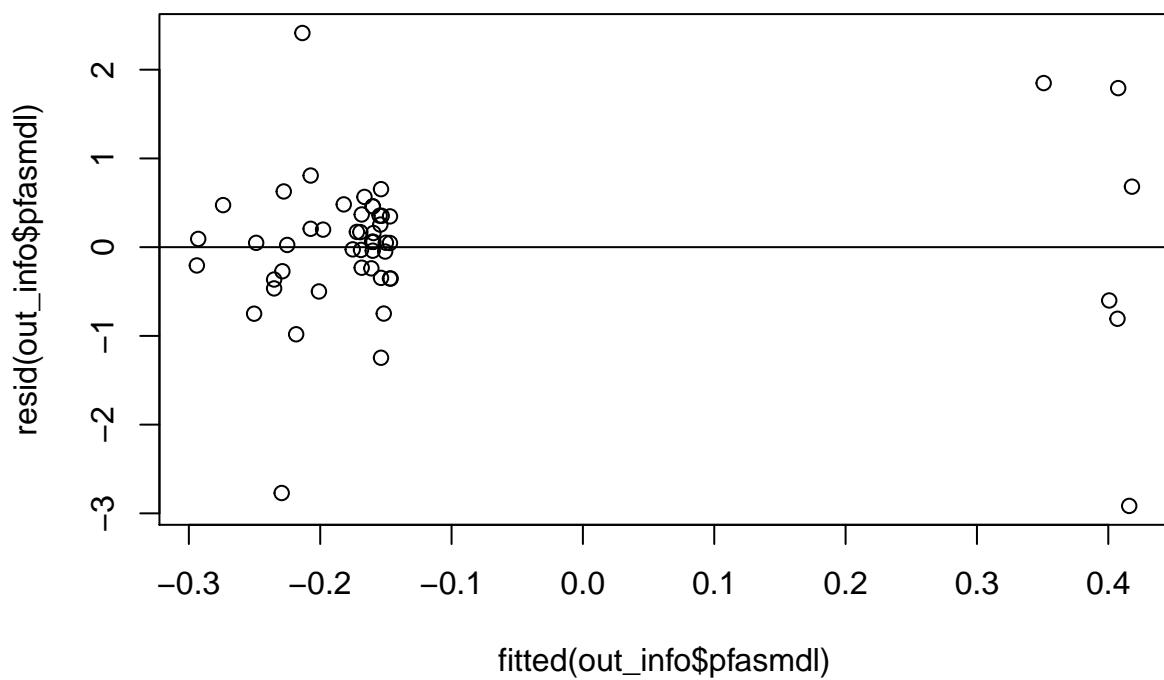
**Normal Q-Q Plot**



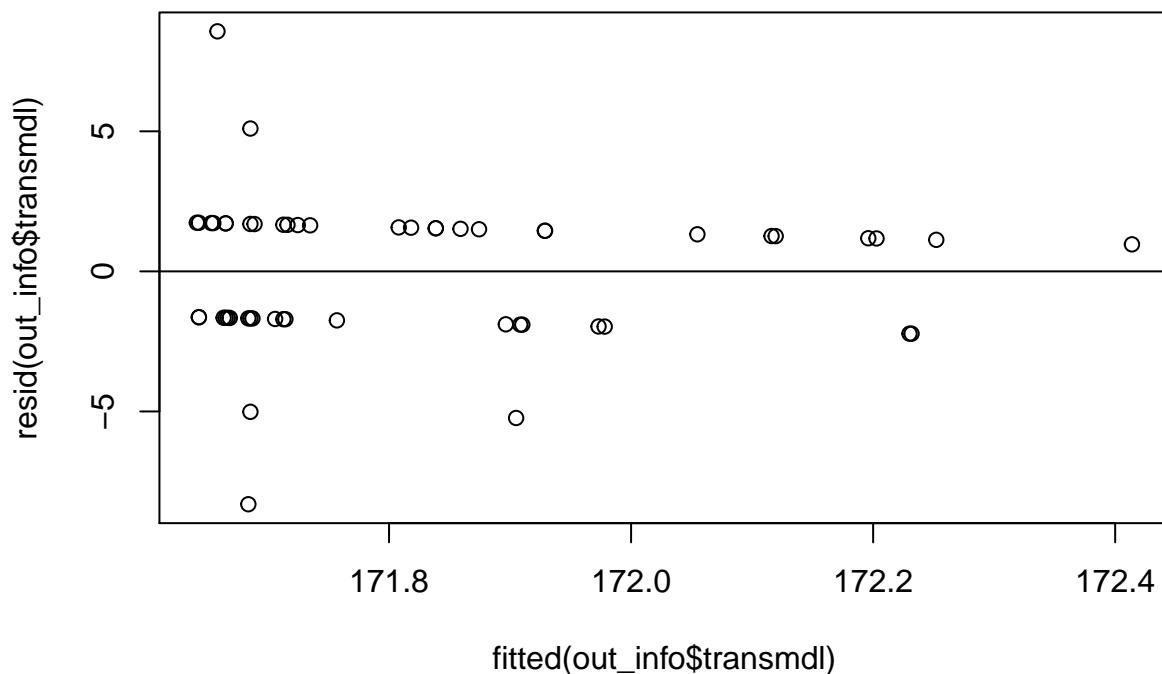
### Normal Q-Q Plot



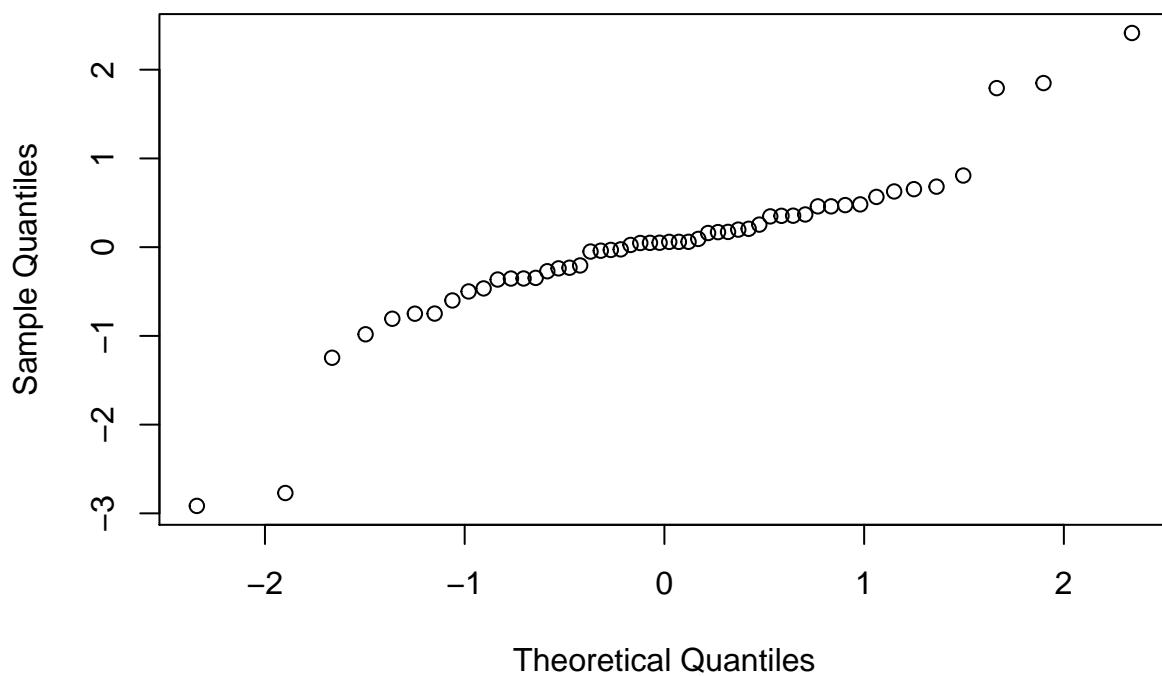
**Plot of PFHXSorig+  
Plot of PFHXSorigdays.since.struc.MRF  
Plot of PFHXSorigEthnicity**



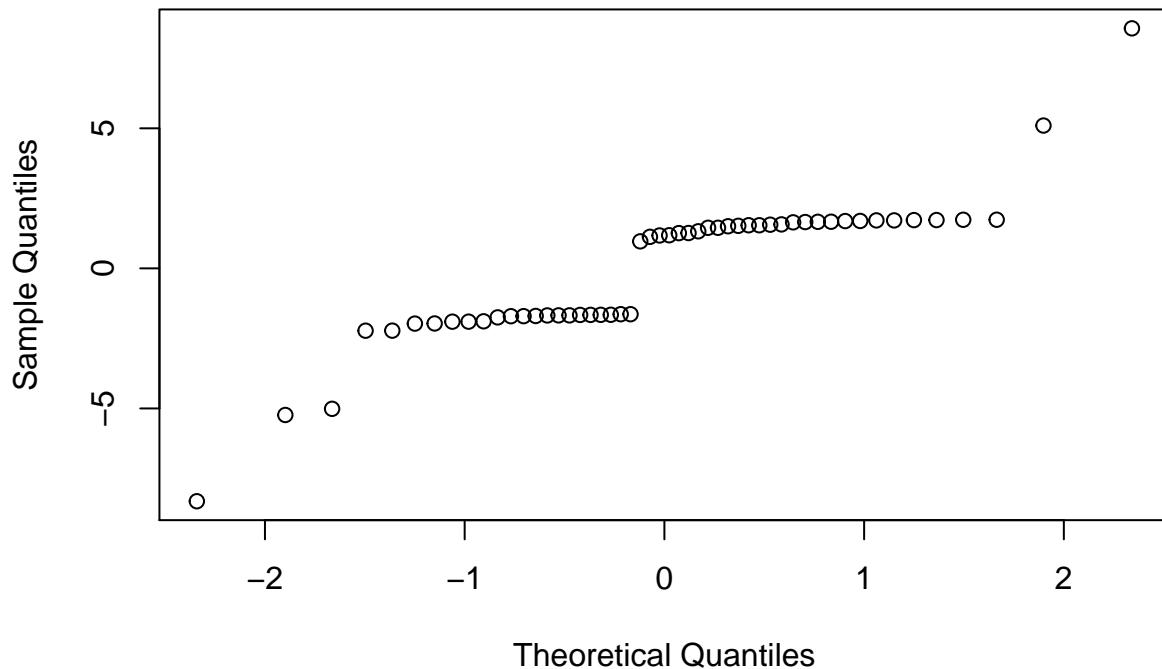
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.struc.MRF  
Plot of PFDEAtransEthnicity**



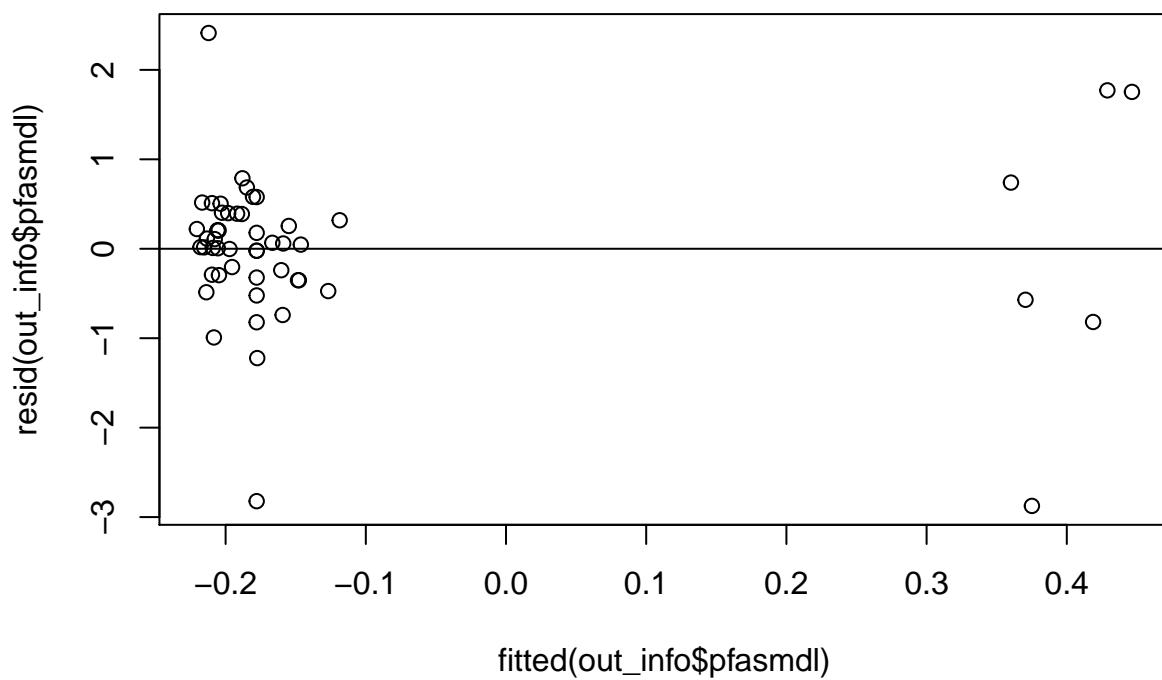
**Normal Q-Q Plot**



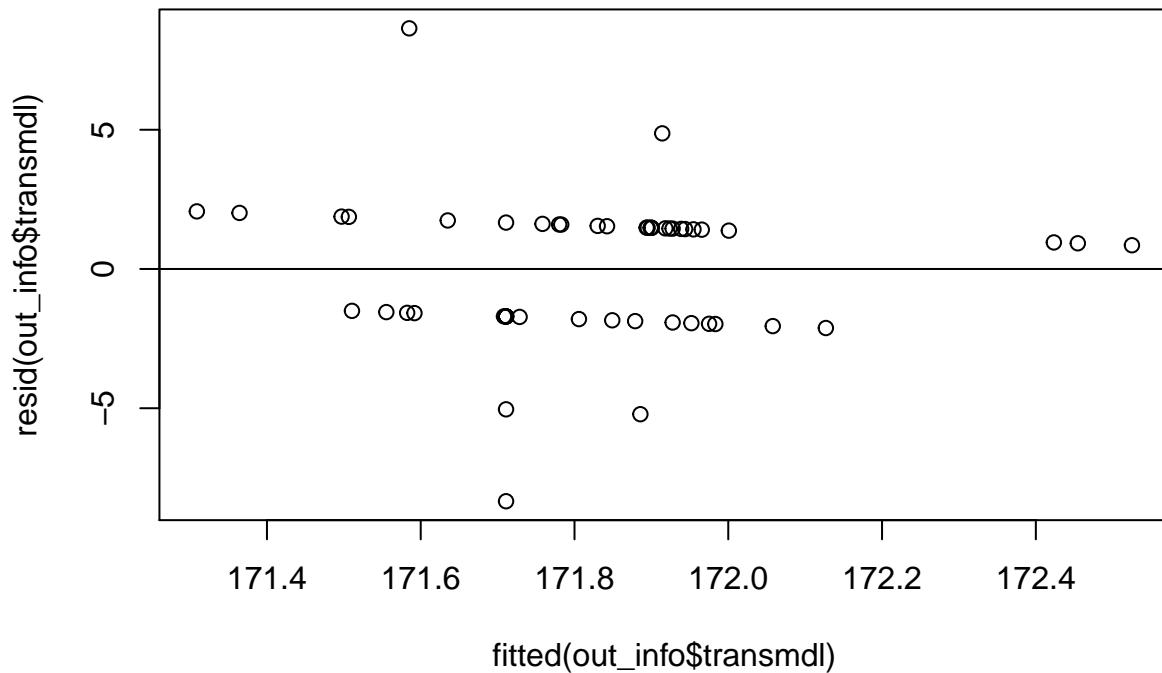
### Normal Q-Q Plot



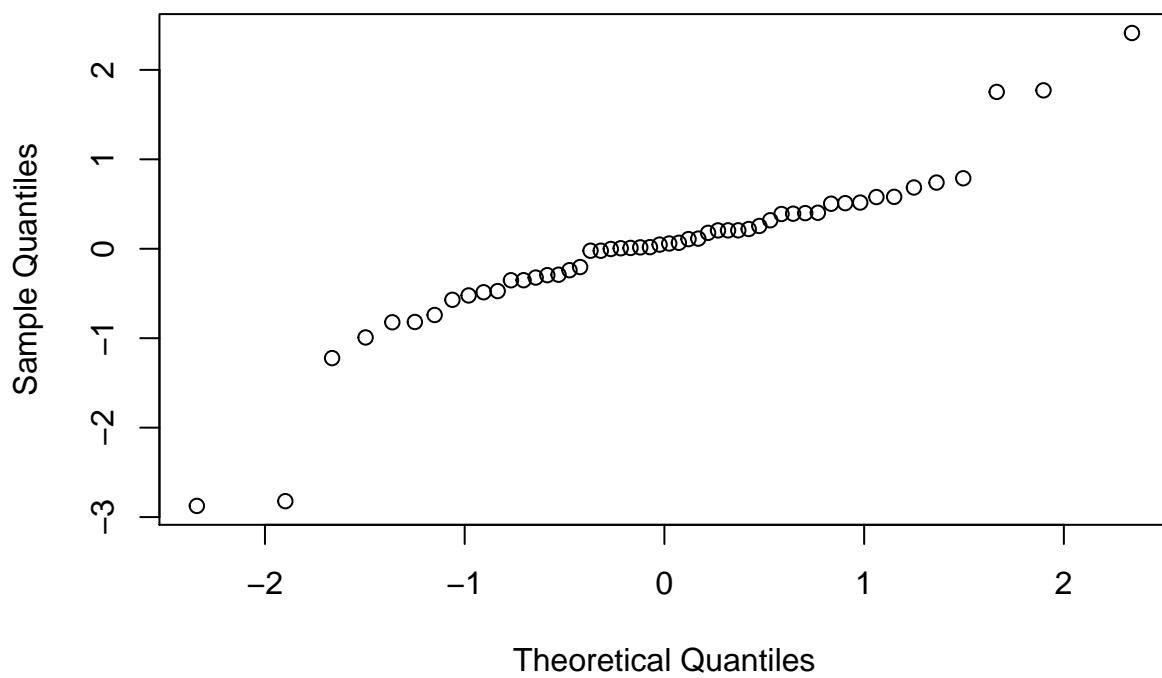
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\*time.since.baseline  
Plot of PFHX\$origEthnicity**



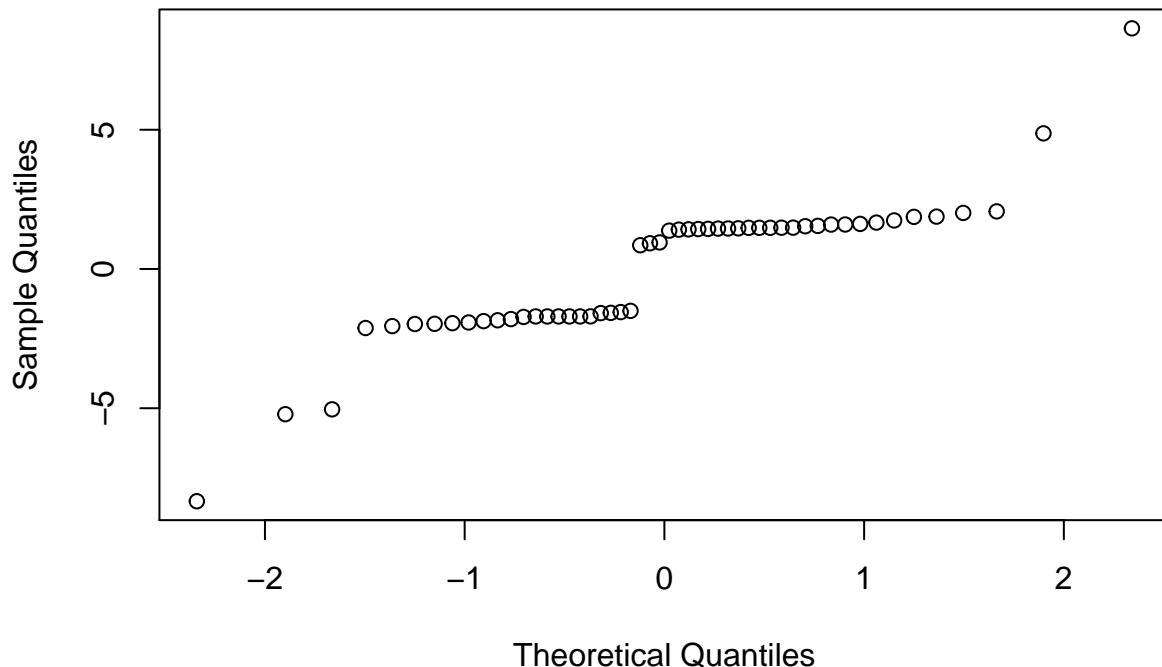
**Plot of PFDEAtrans+  
Plot of PFDEAtranstime.since.baseline  
Plot of PFDEAtransEthnicity**



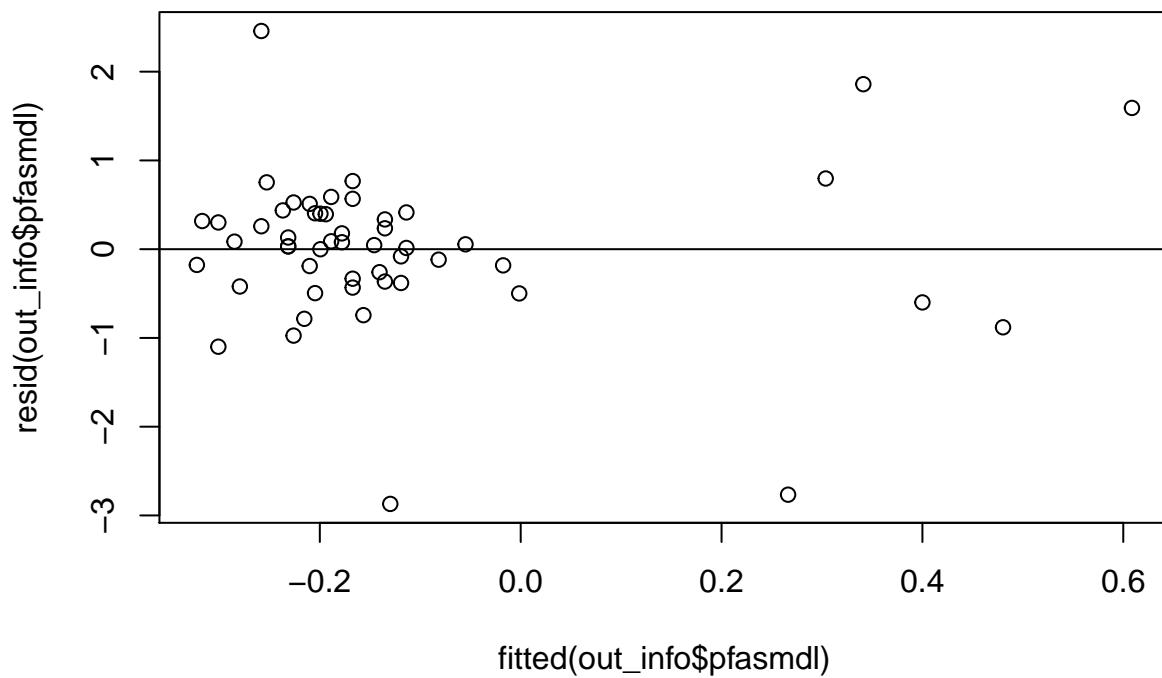
**Normal Q-Q Plot**



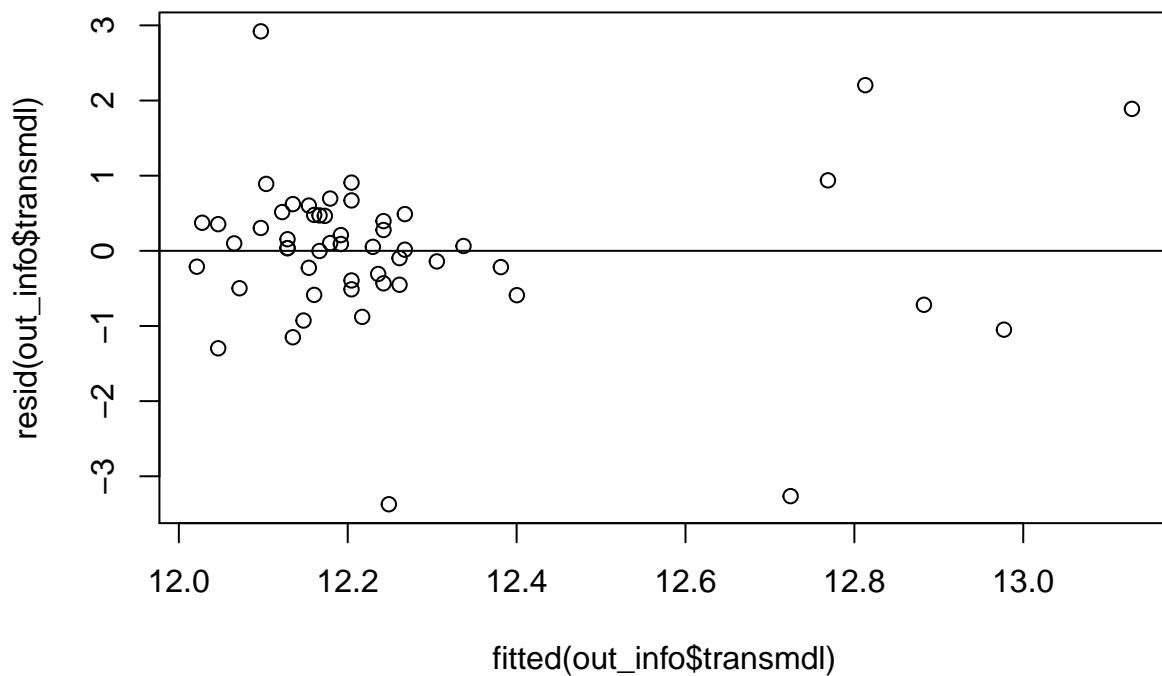
### Normal Q-Q Plot



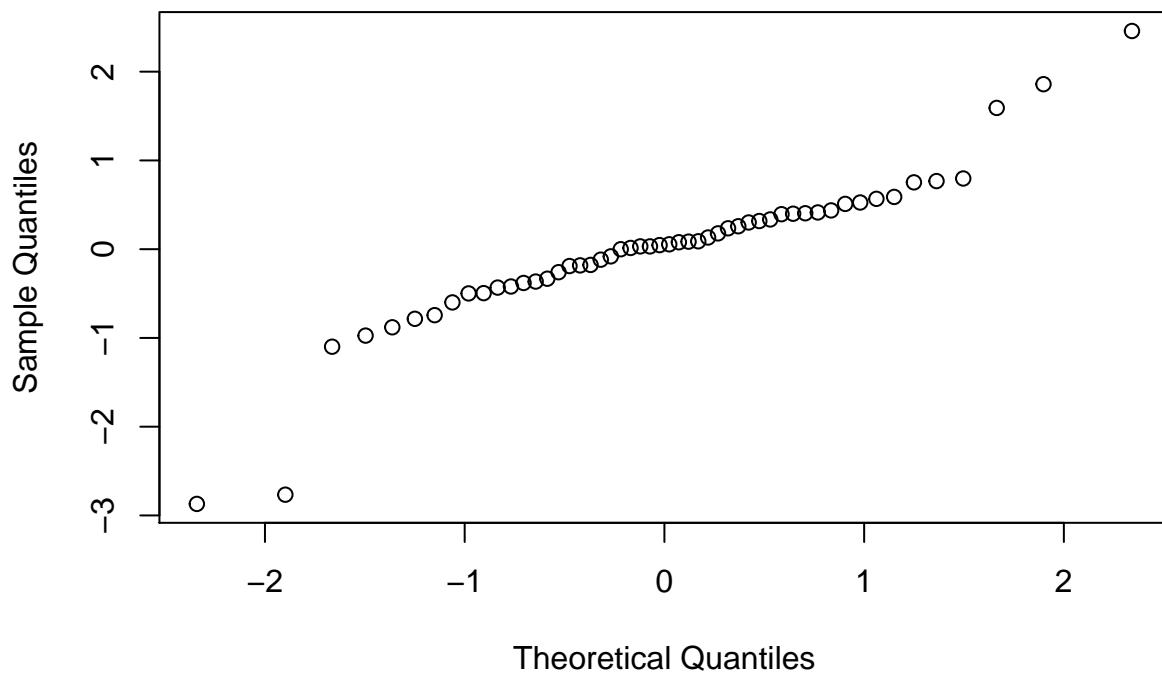
**Plot of PFHX\$orig+  
Plot of PFHX\$origtotal.num.fireruns  
Plot of PFHX\$origEthnicity**



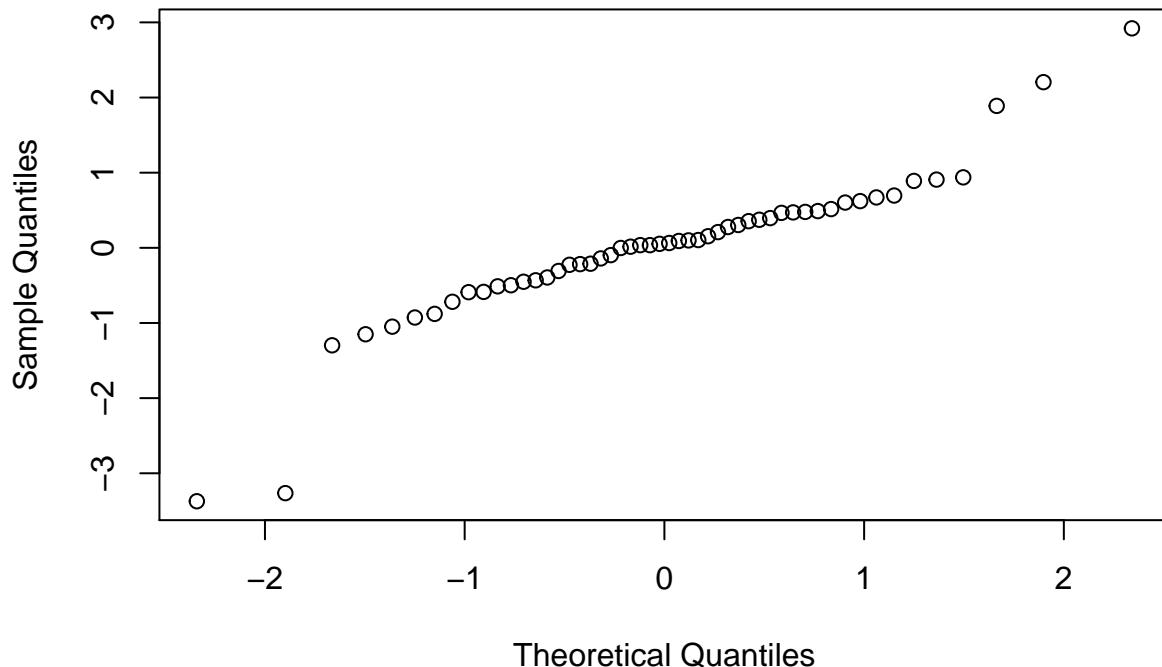
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.num.fireruns  
Plot of PFHXStransEthnicity**



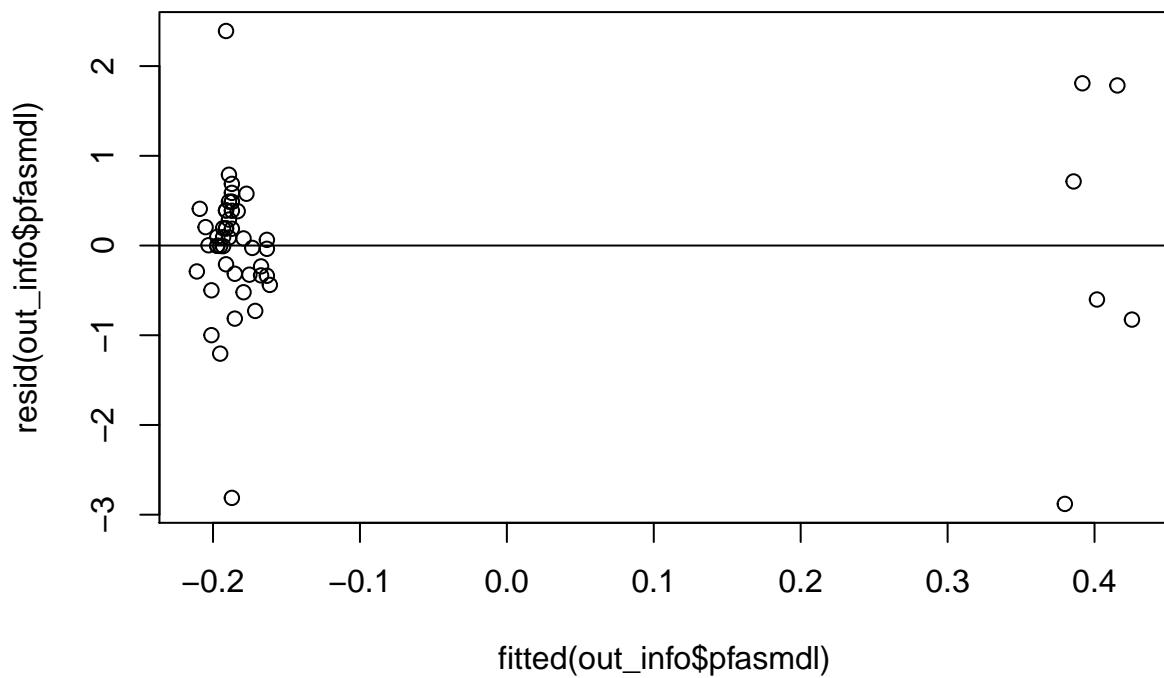
**Normal Q-Q Plot**



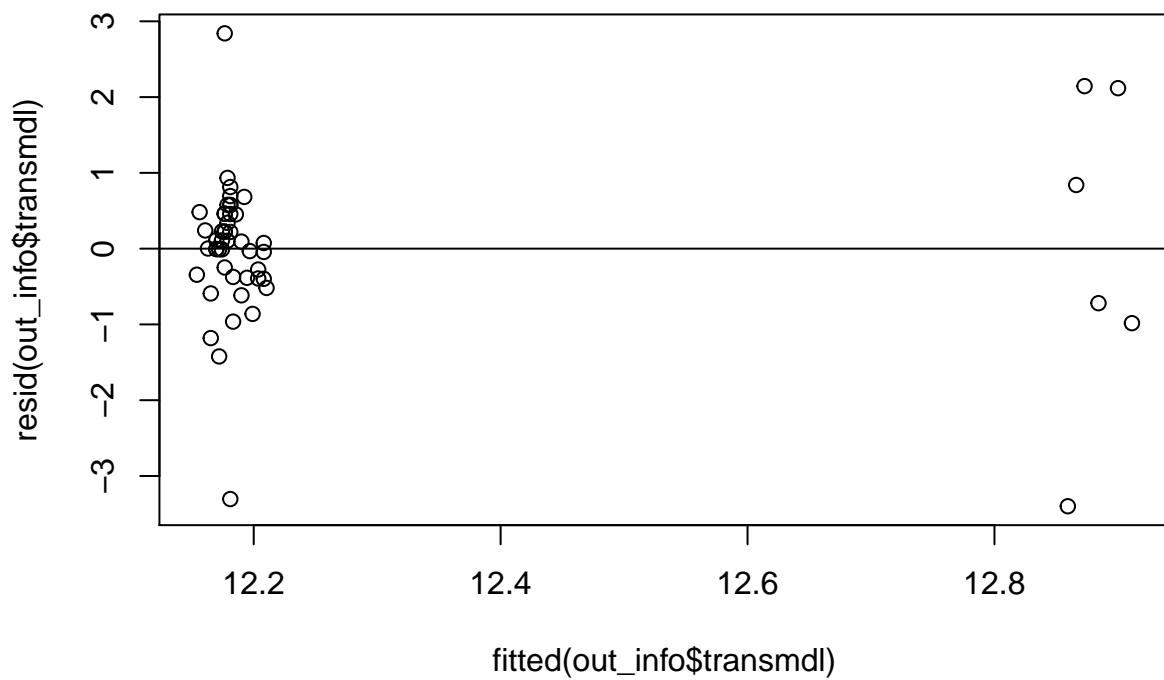
### Normal Q-Q Plot



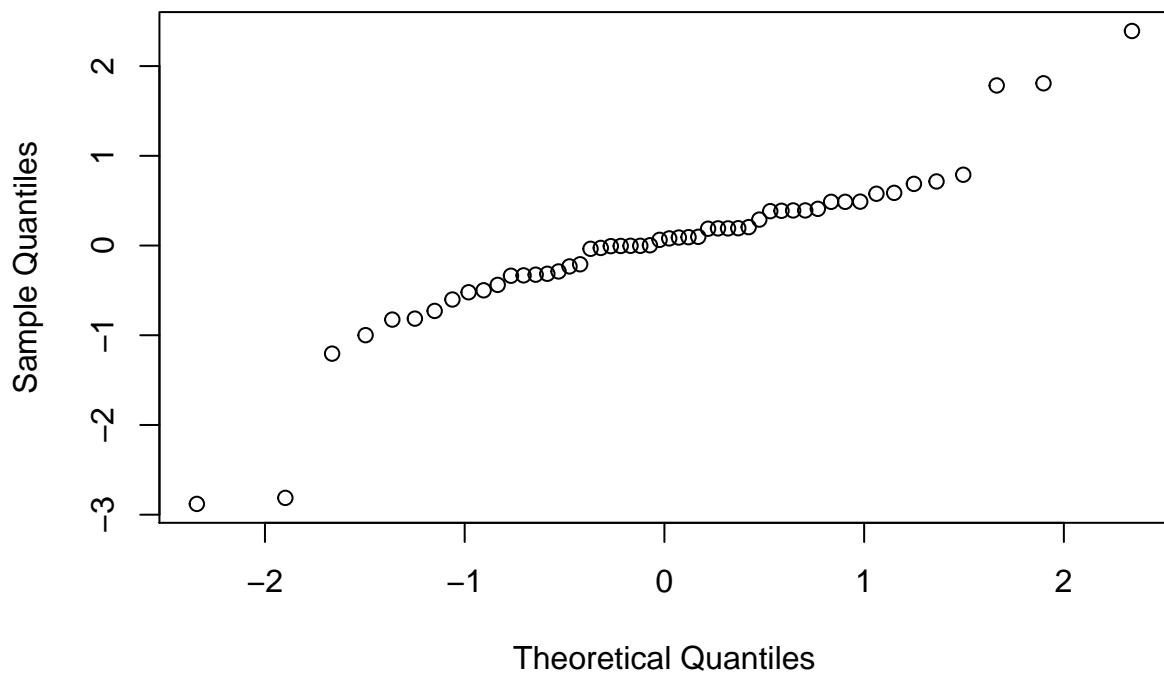
**Plot of PFHX\$orig+  
Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



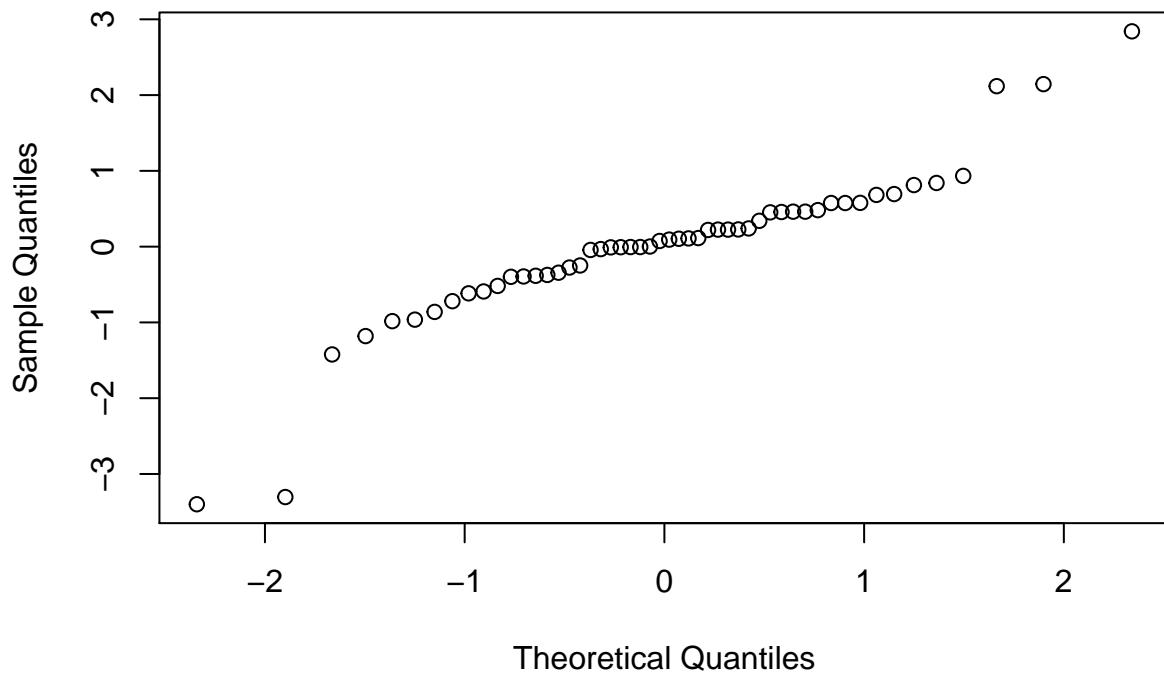
**Plot of PFHXStrans+  
Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



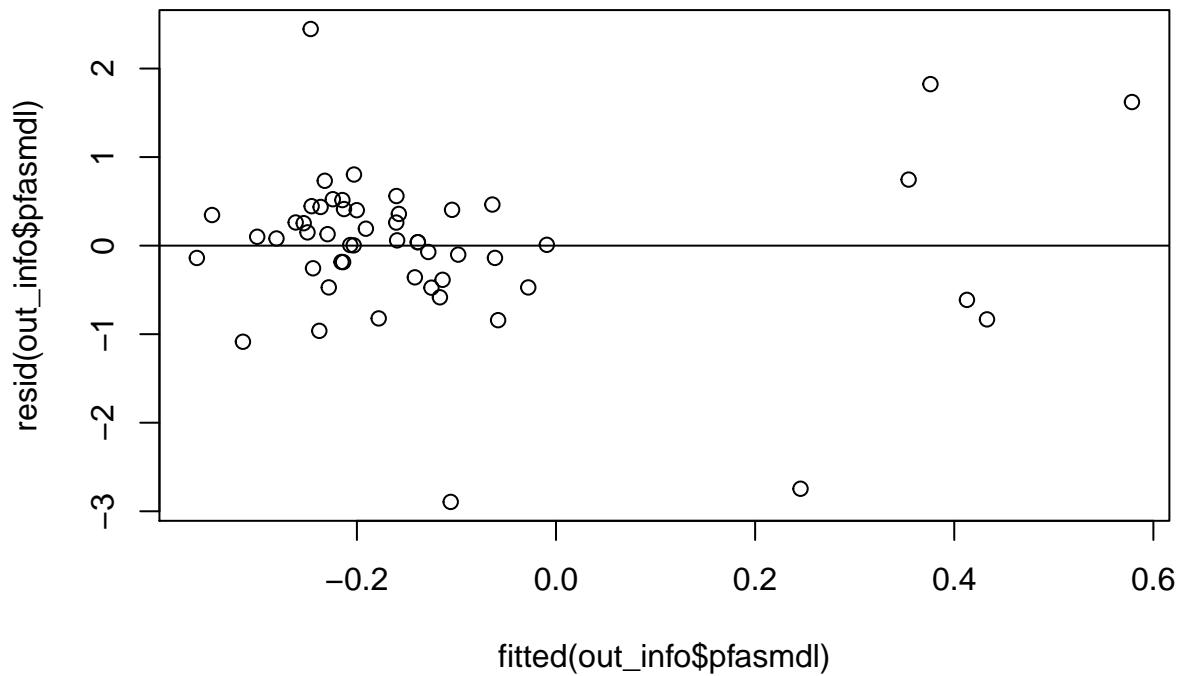
**Normal Q-Q Plot**



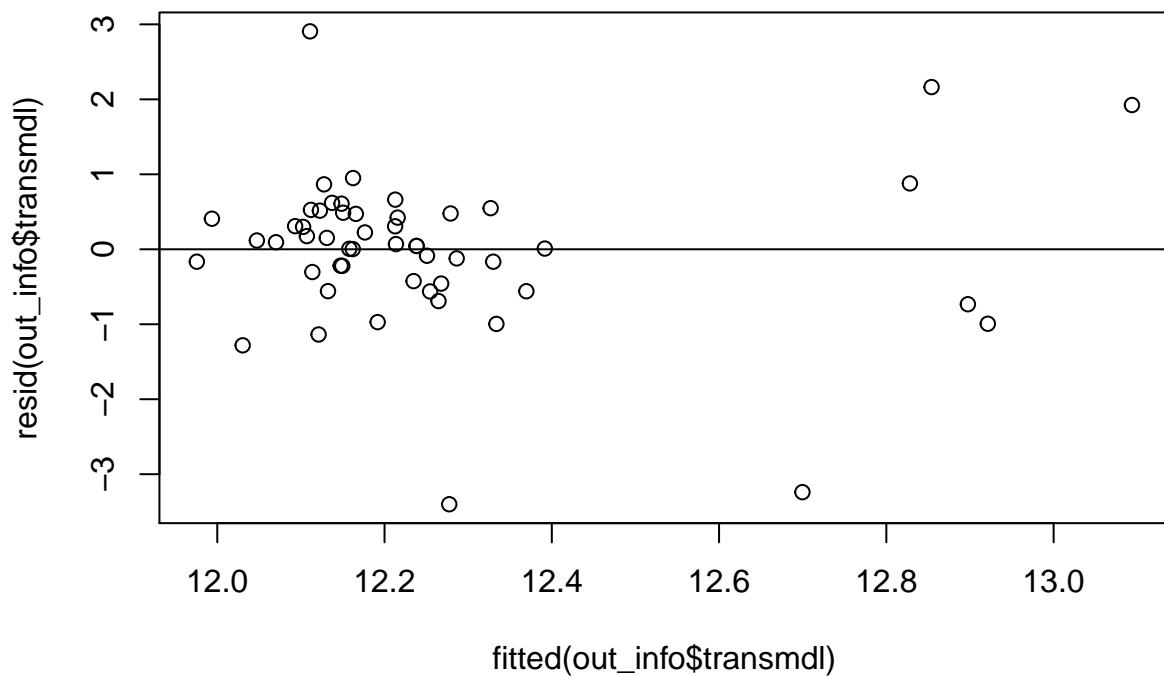
### Normal Q-Q Plot



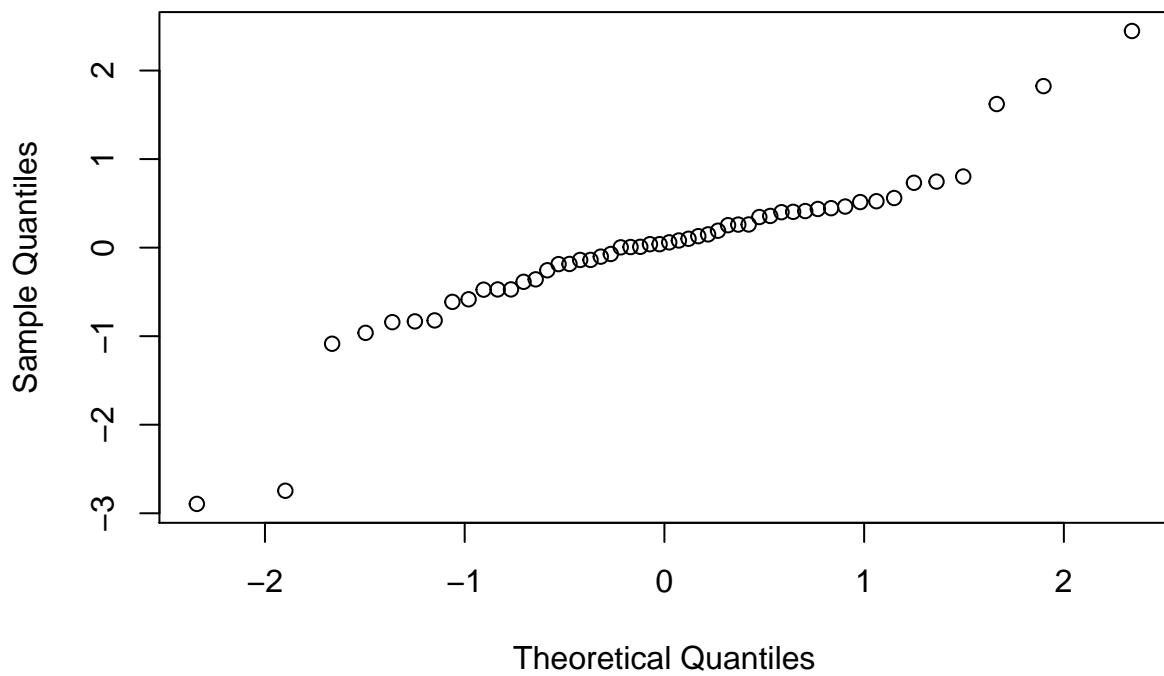
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity**



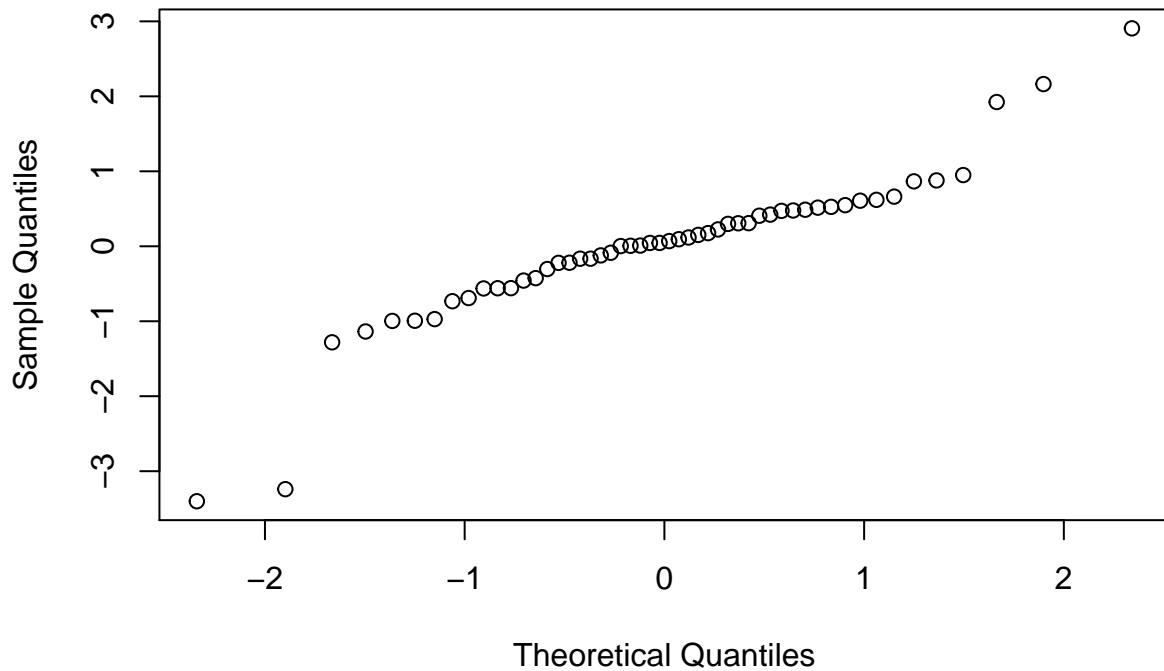
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



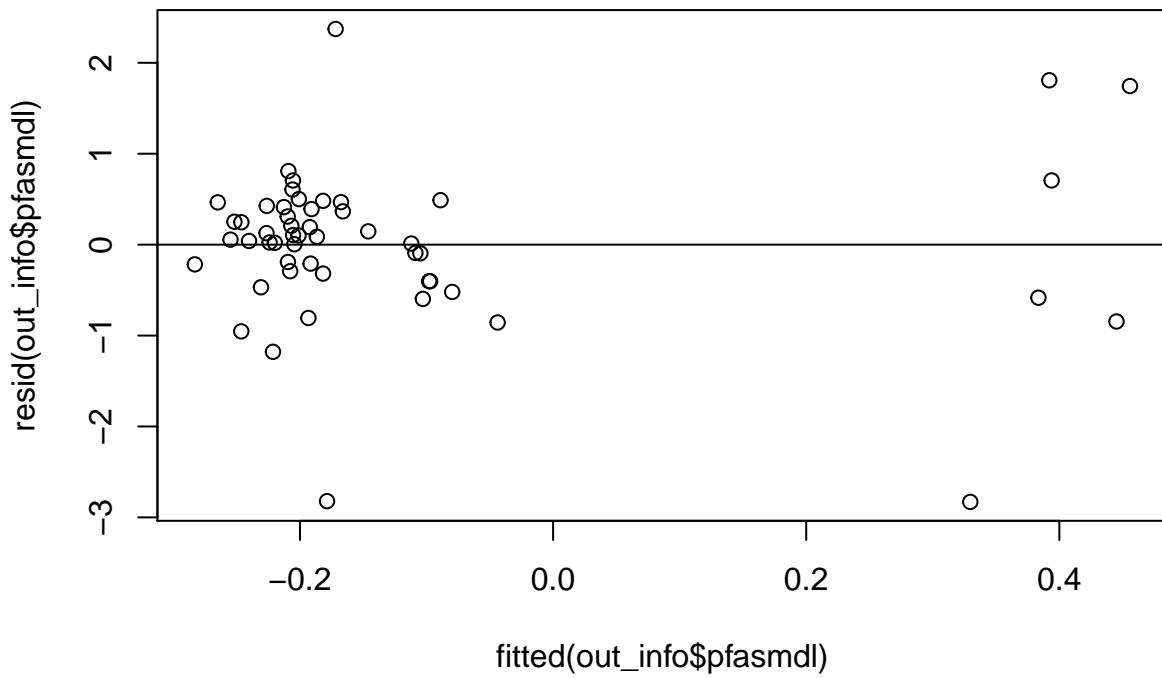
**Normal Q-Q Plot**



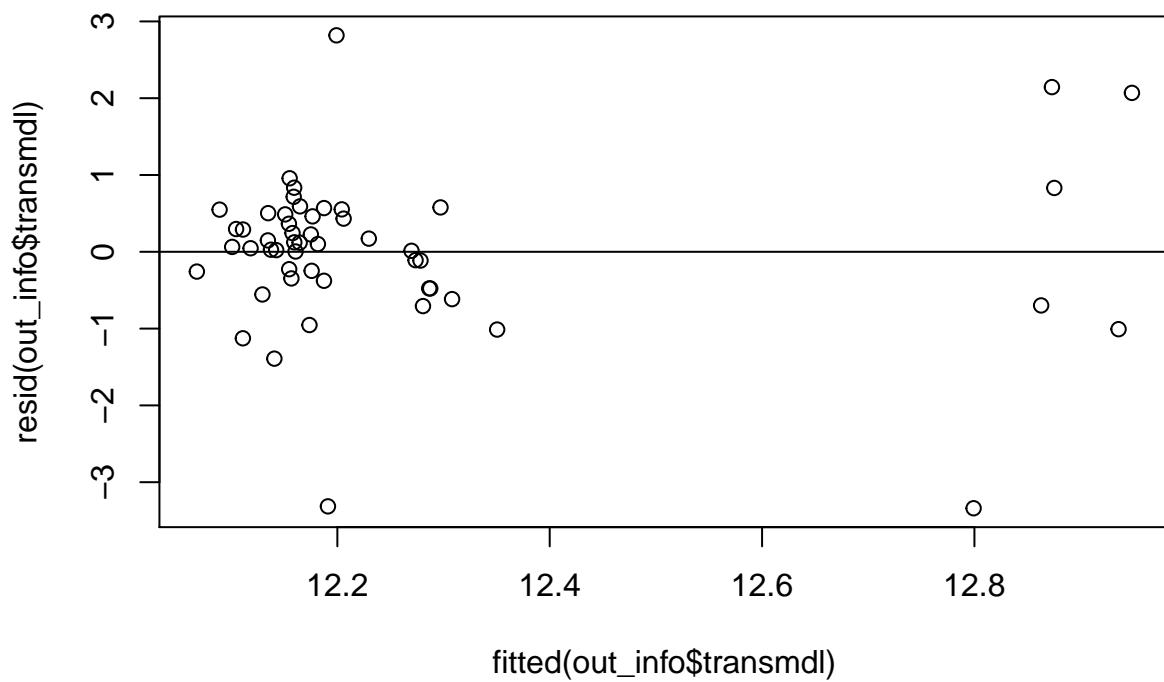
### Normal Q-Q Plot



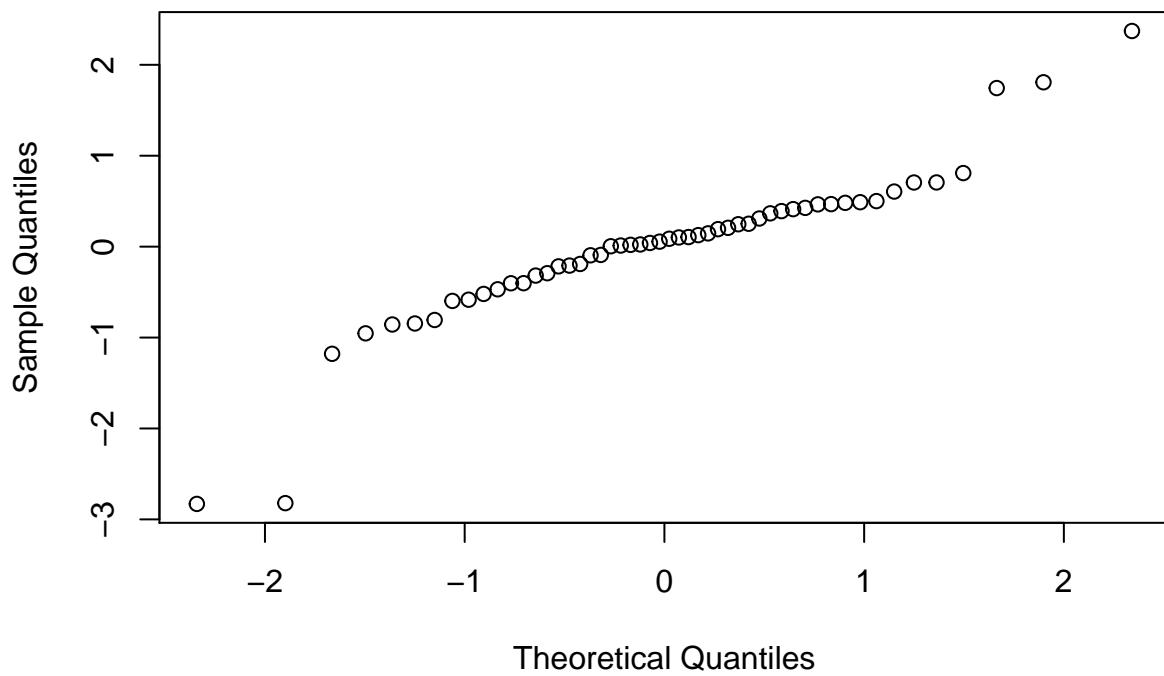
**Plot of PFHX\$orig+  
Plot of PFHX\$origstr.duration.hrs  
Plot of PFHX\$origEthnicity**



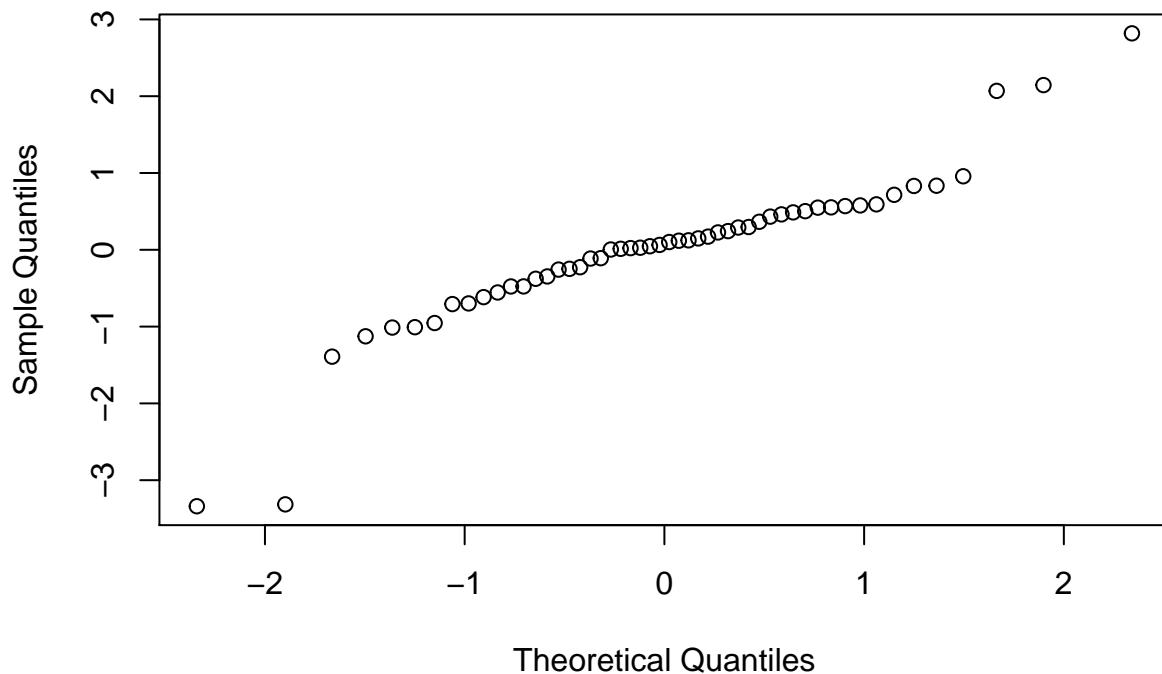
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Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



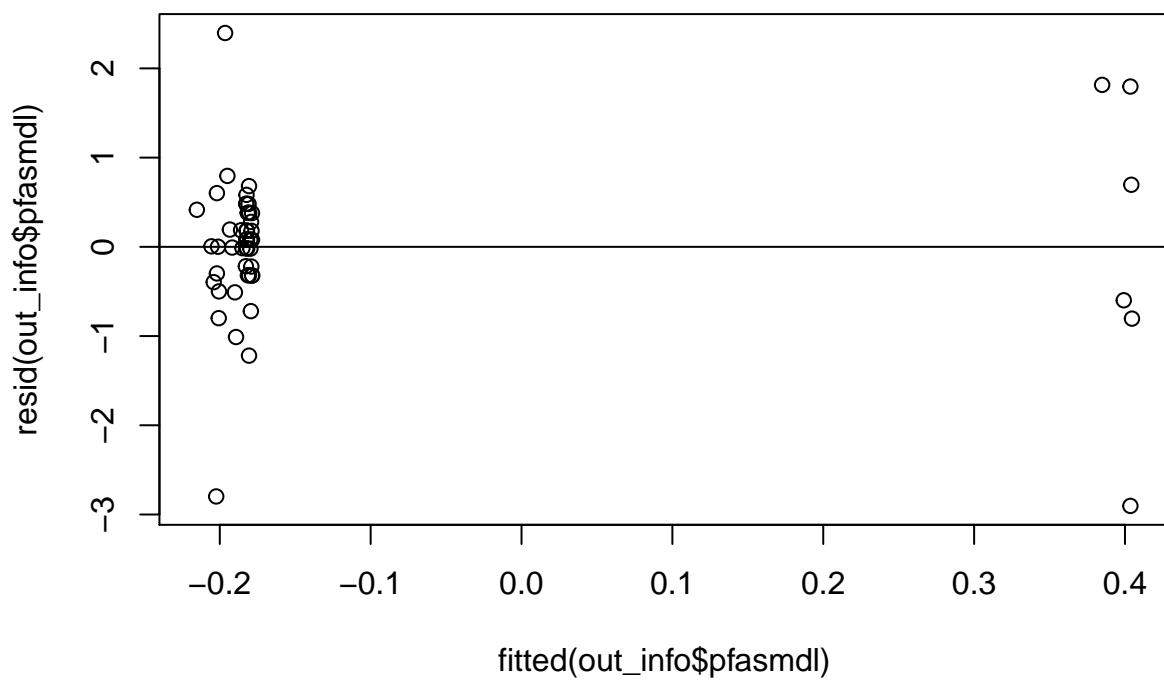
**Normal Q-Q Plot**



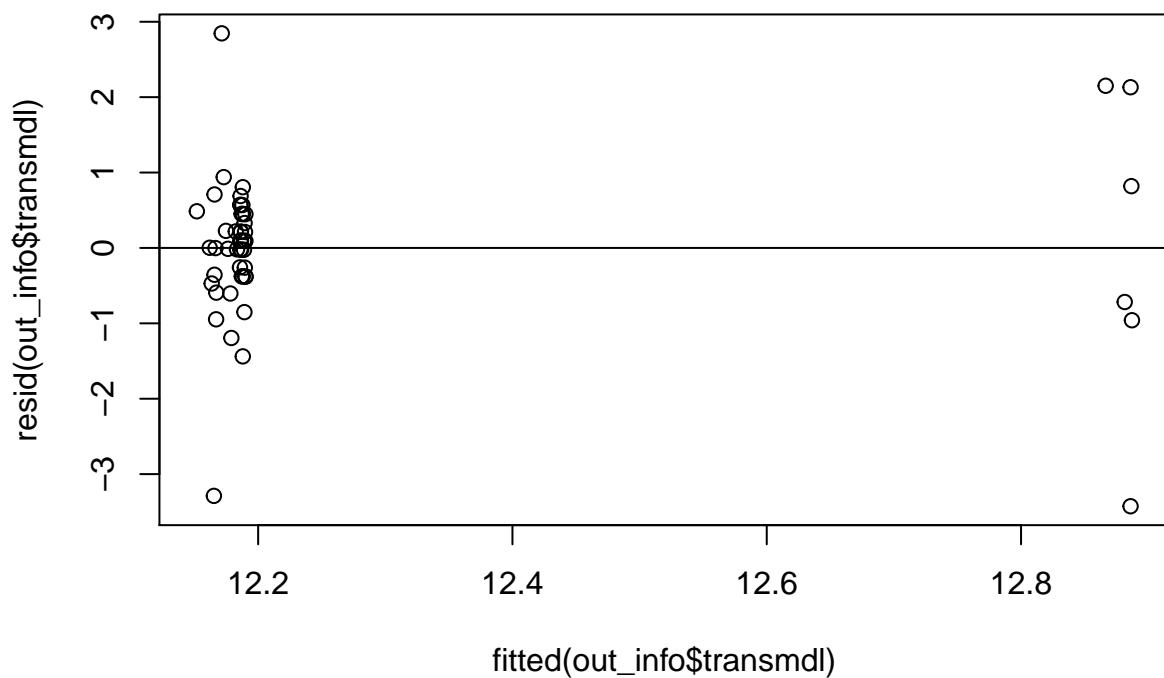
### Normal Q-Q Plot



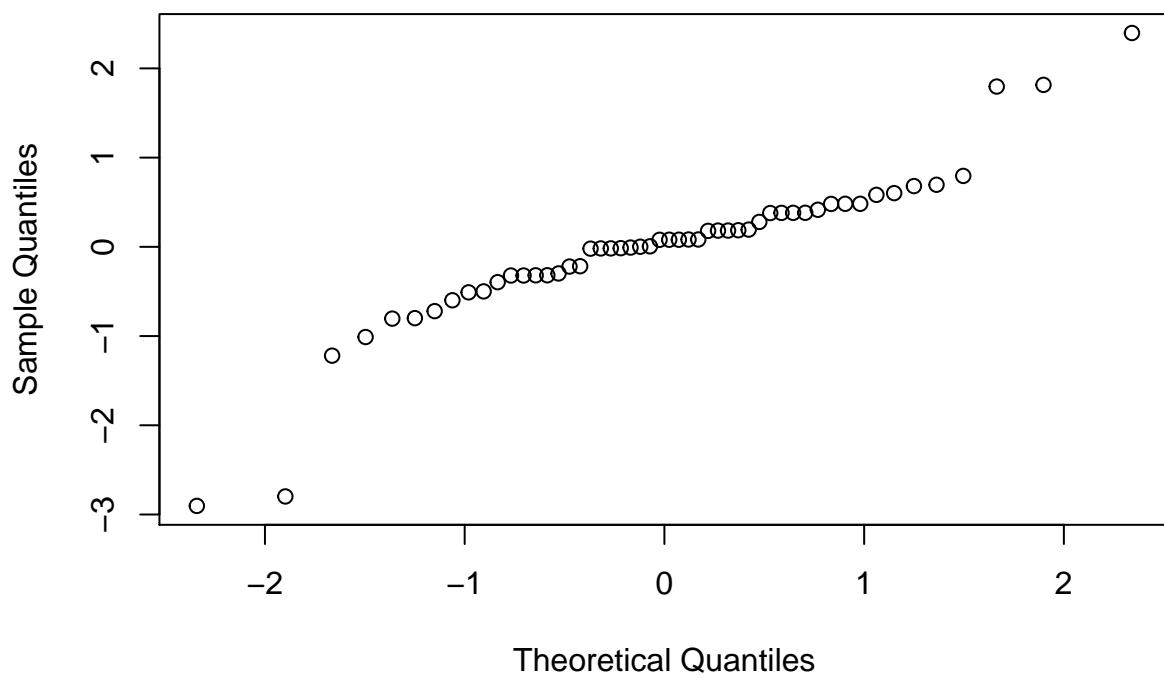
**Plot of PFHX\$orig+  
Plot of PFHX\$origdays.since.MRF  
Plot of PFHX\$origEthnicity**



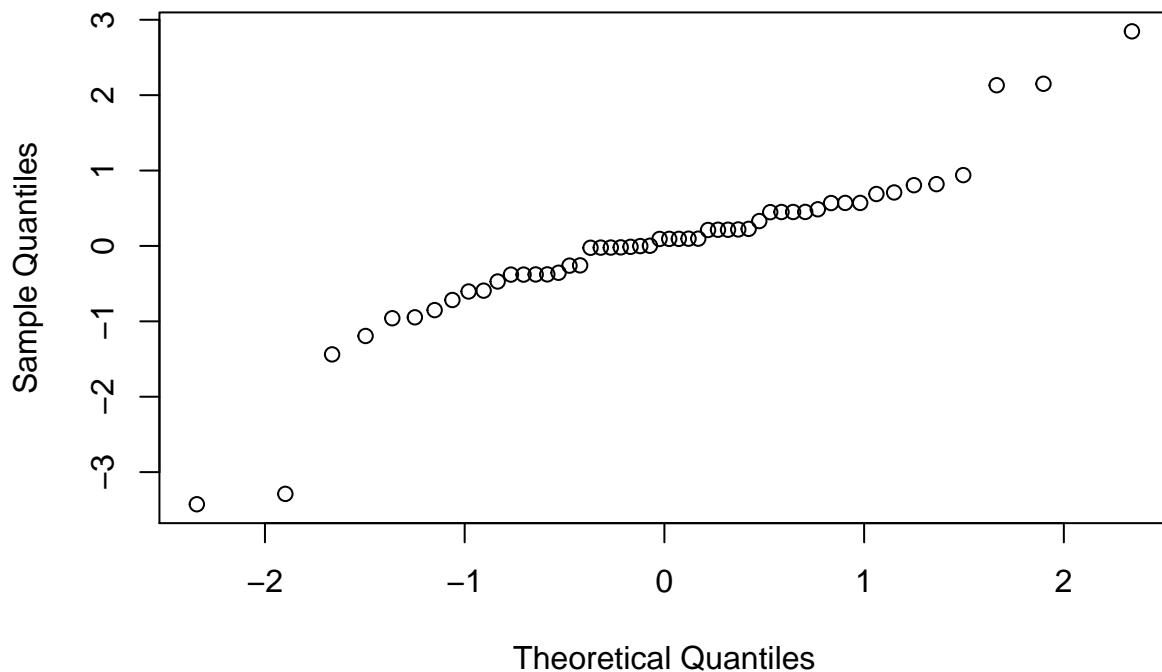
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



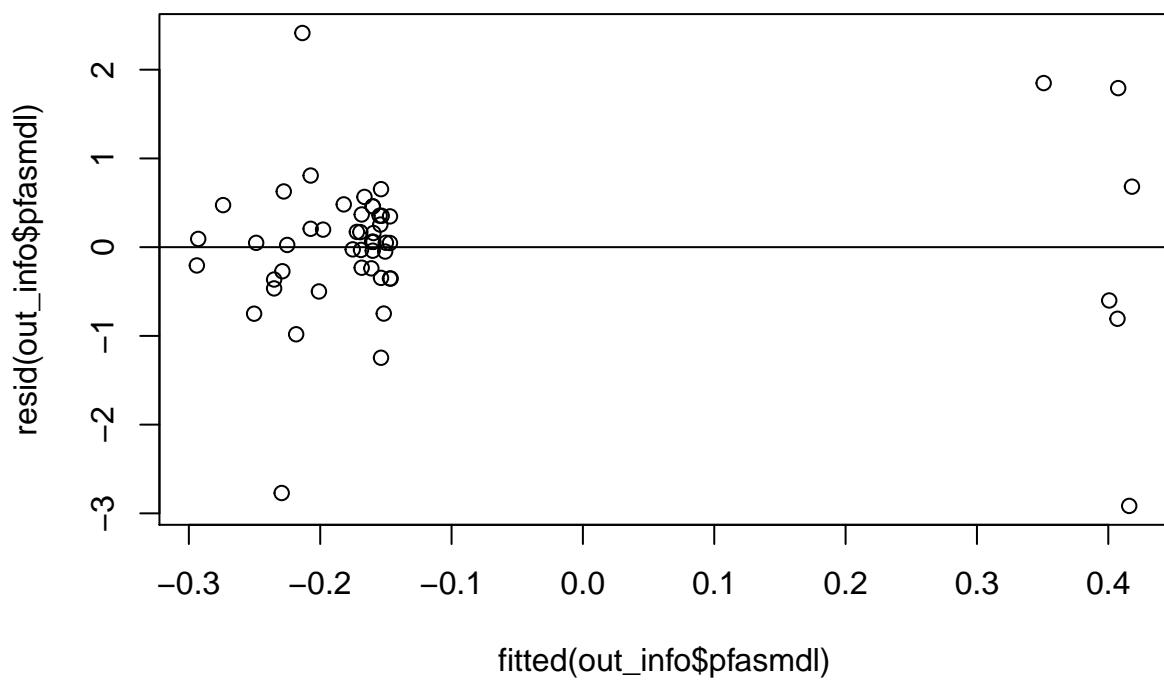
**Normal Q-Q Plot**



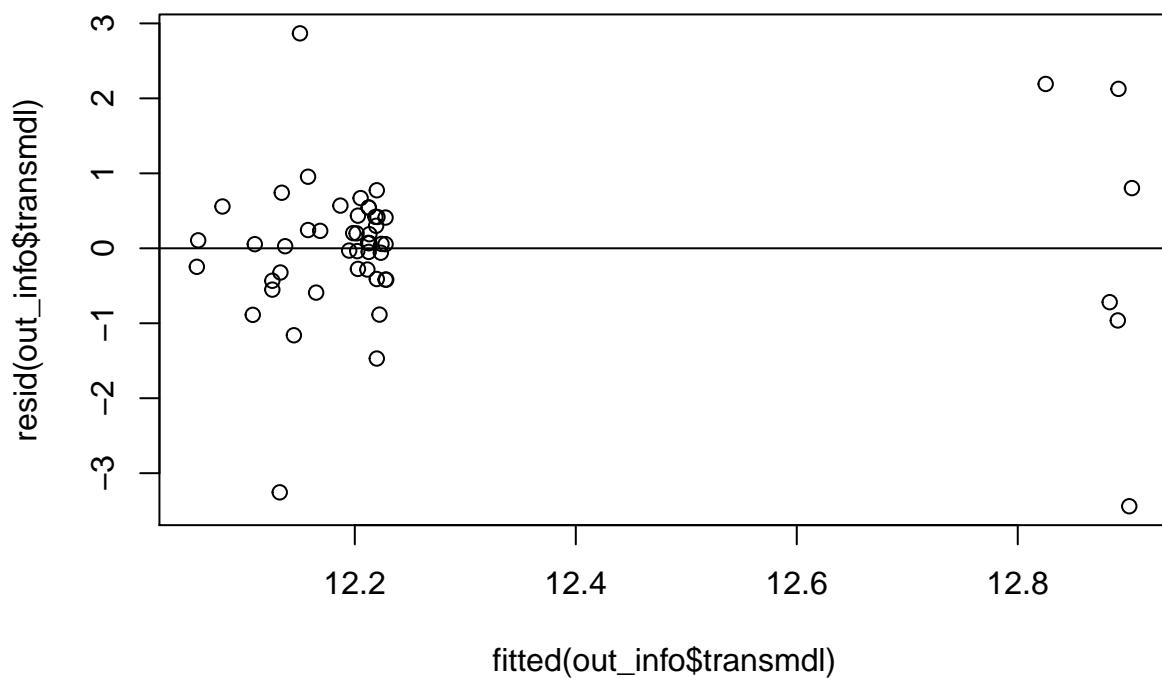
### Normal Q-Q Plot



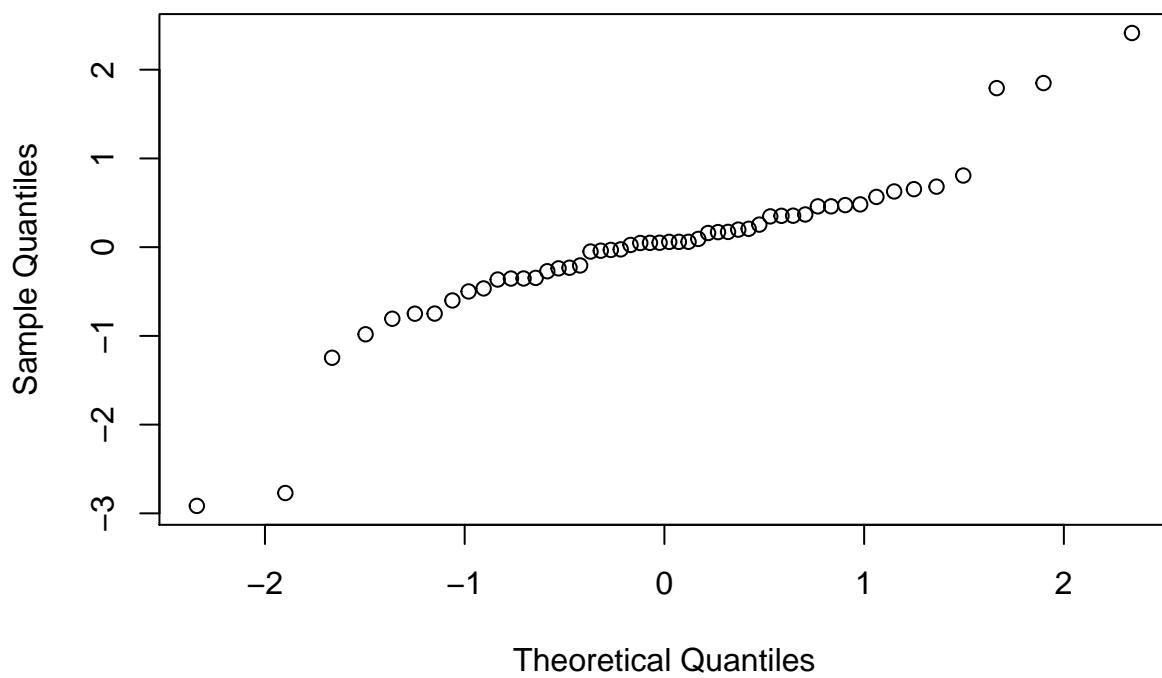
**Plot of PFHX\$orig+  
Plot of PFHX\$origdays.since.struc.MRF  
Plot of PFHX\$origEthnicity**



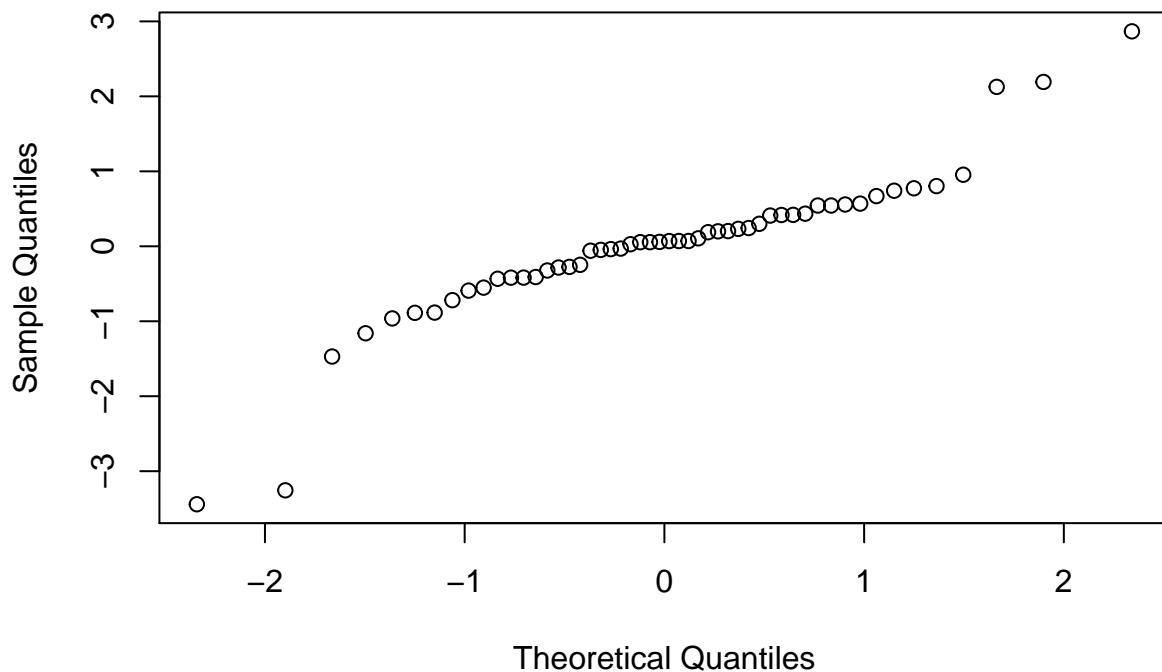
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.struc.MRF  
Plot of PFHXStransEthnicity**



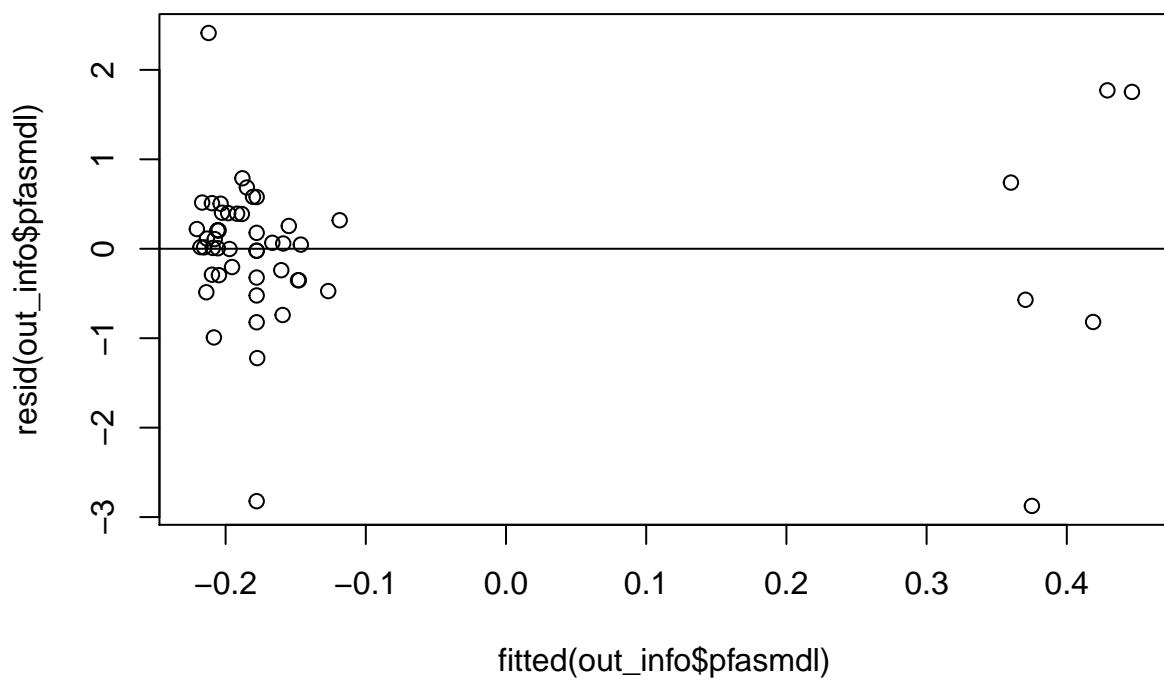
**Normal Q-Q Plot**



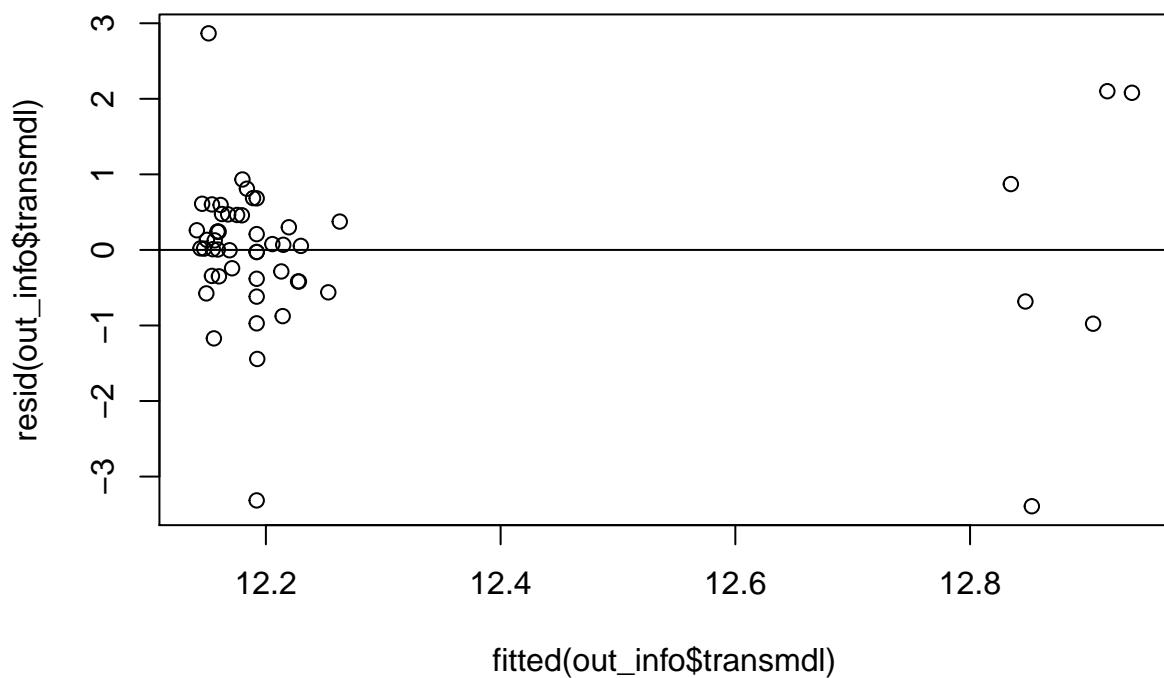
### Normal Q-Q Plot



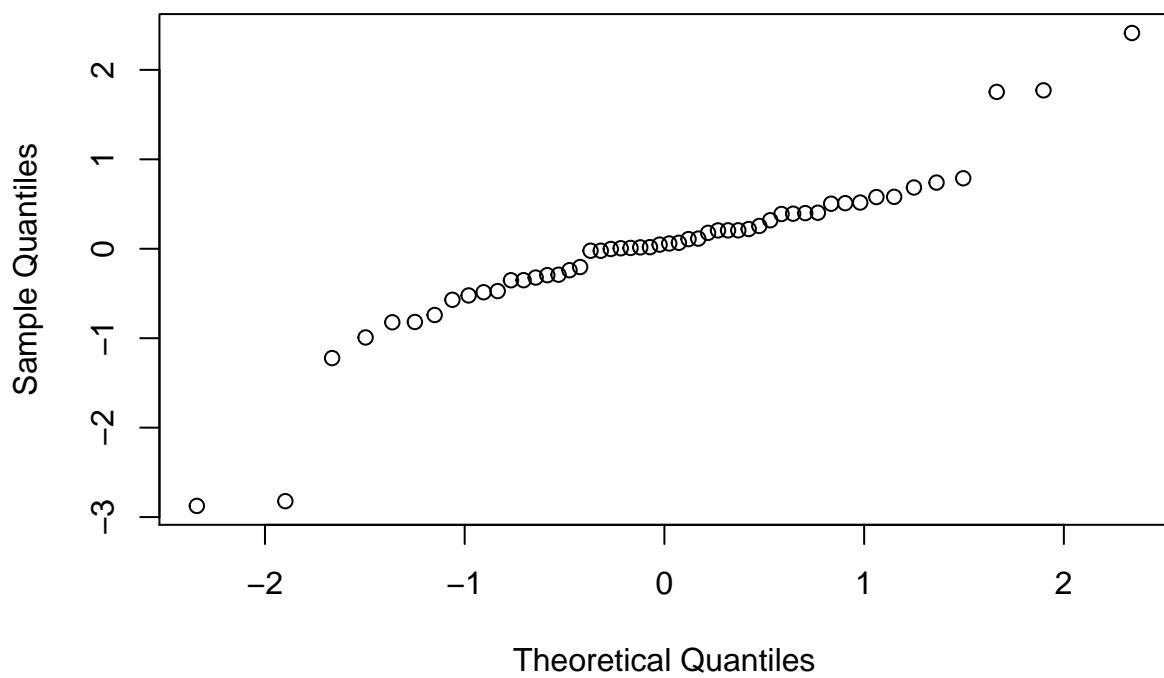
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$time.since.baseline  
Plot of PFHX\$orig\$Ethnicity**



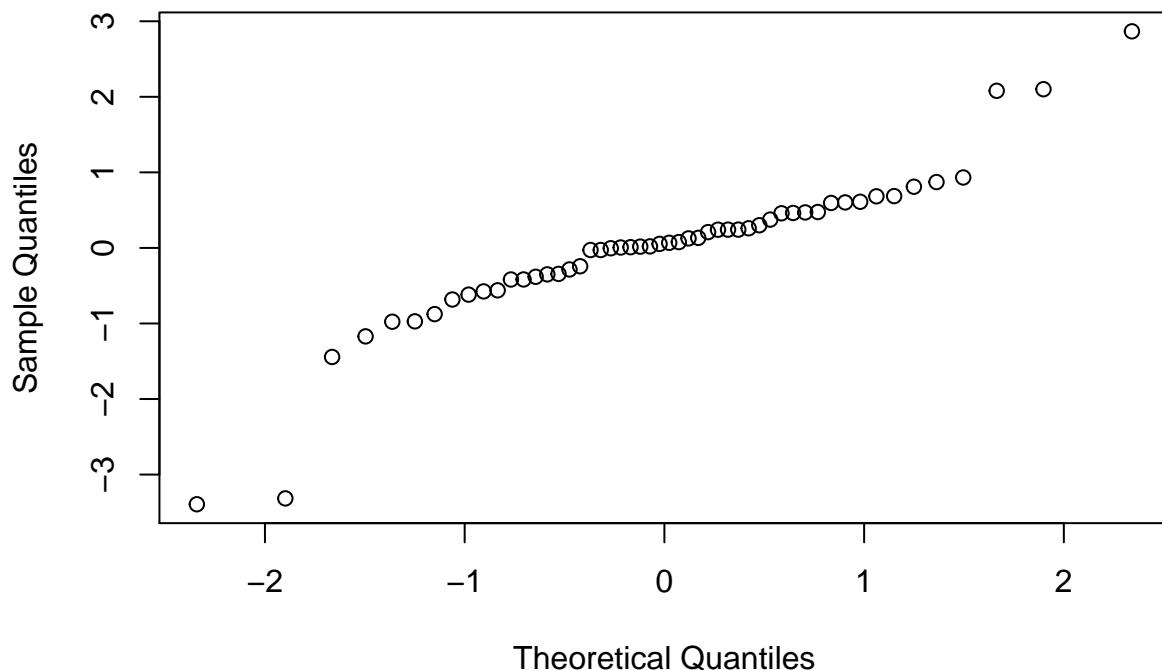
**Plot of PFHXStrans+  
Plot of PFHXStranstime.since.baseline  
Plot of PFHXStransEthnicity**



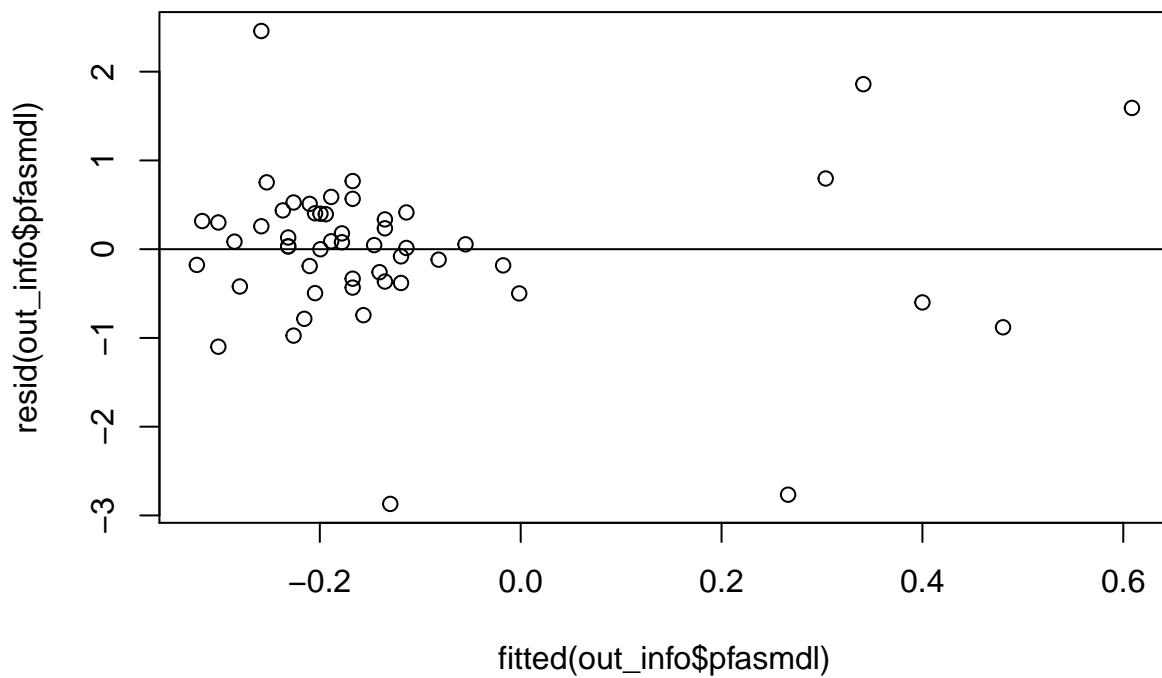
**Normal Q-Q Plot**



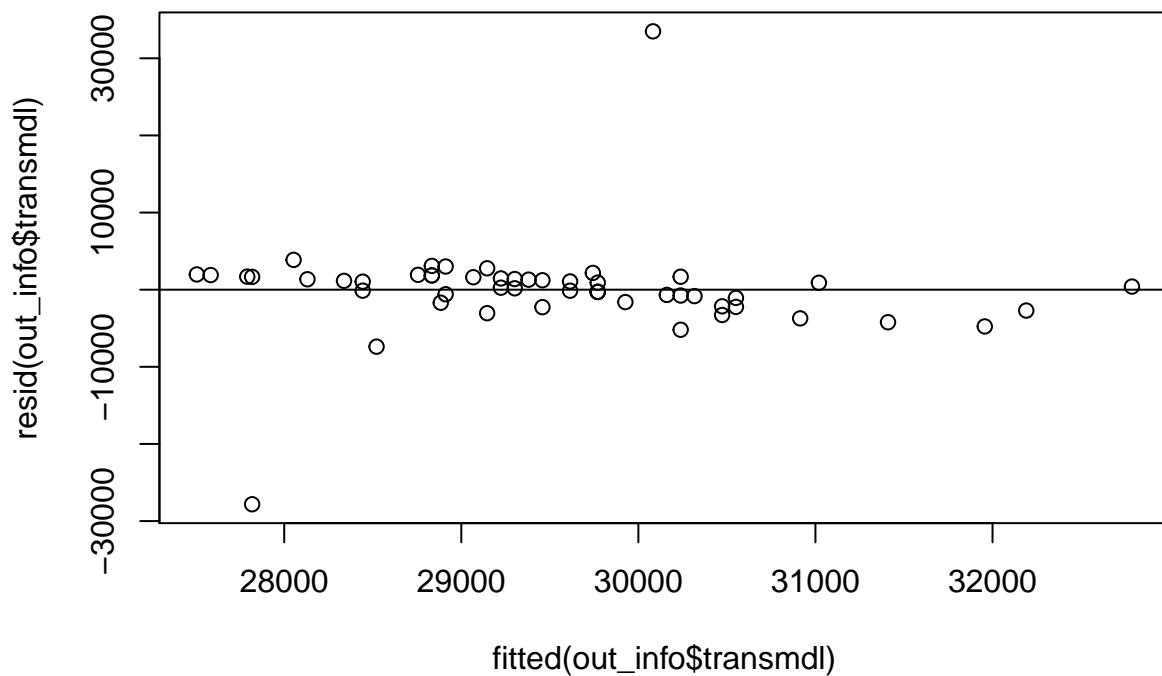
### Normal Q-Q Plot



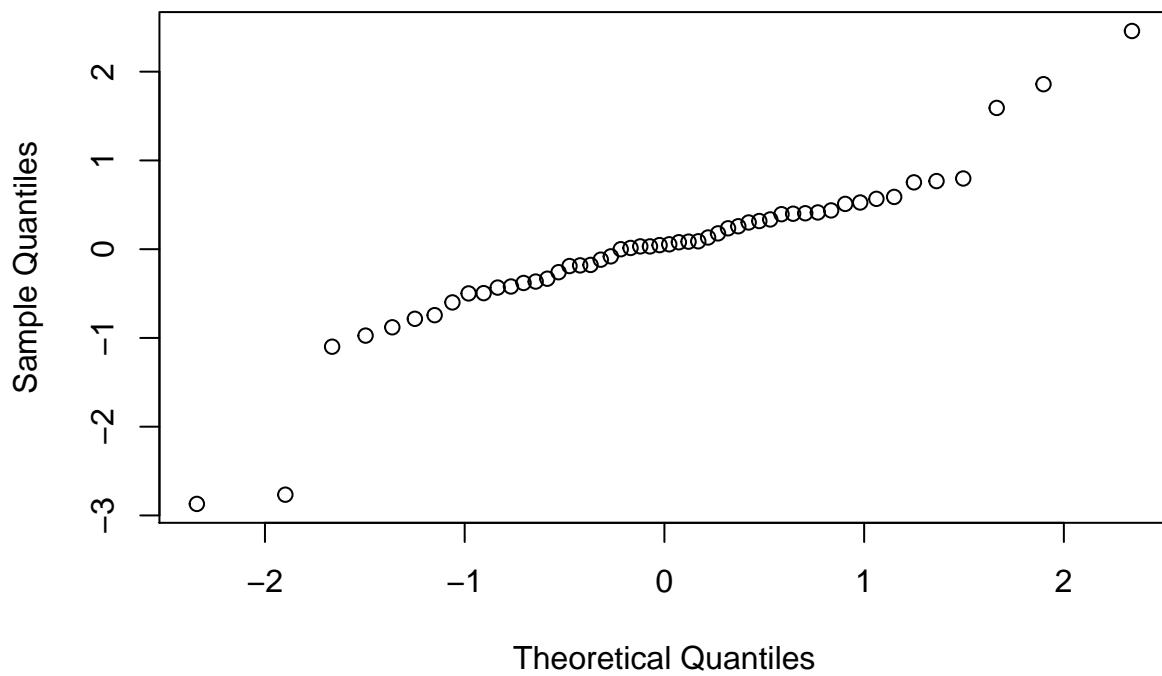
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.num.fireruns  
Plot of PFHX\$orig\$Ethnicity**



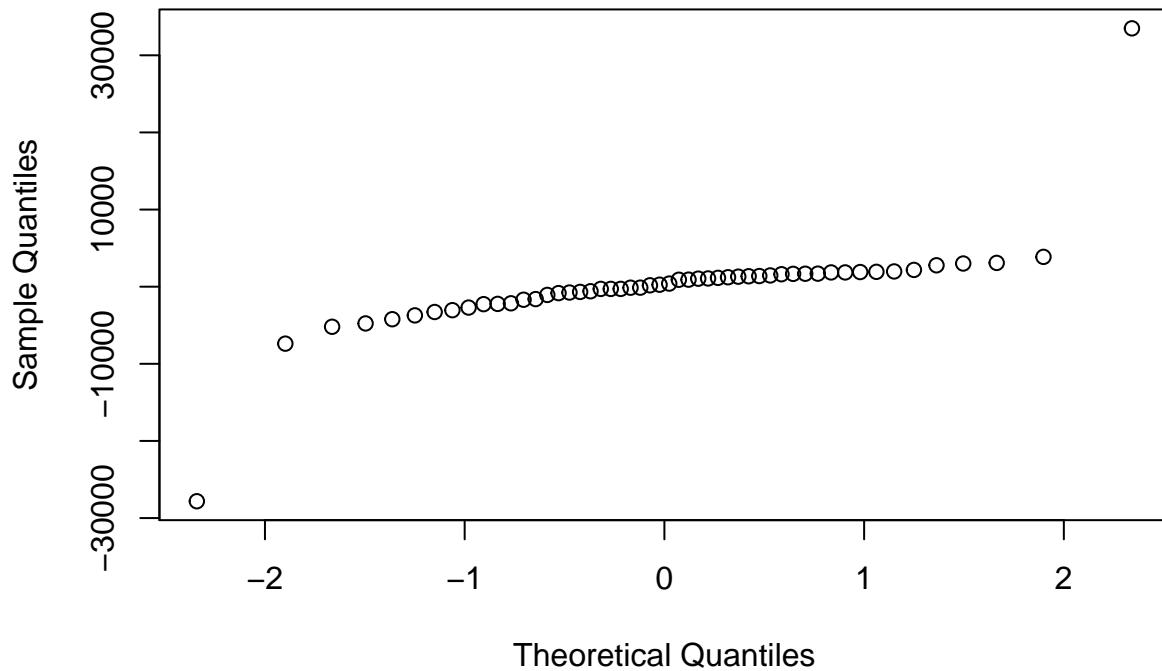
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



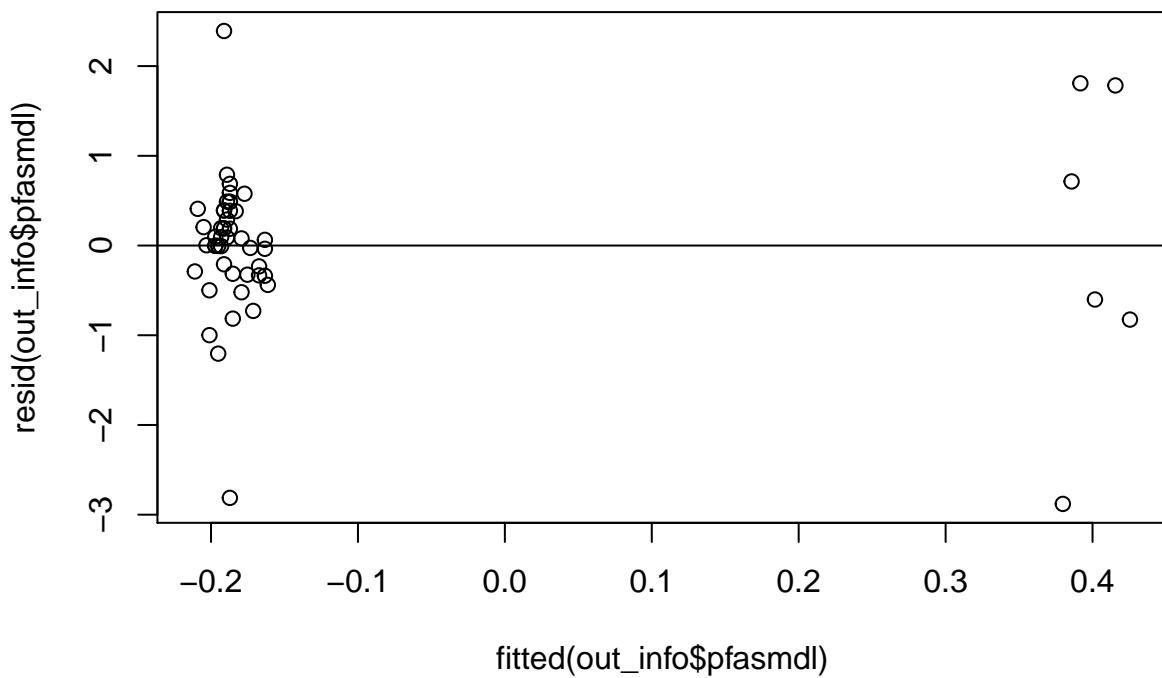
**Normal Q-Q Plot**



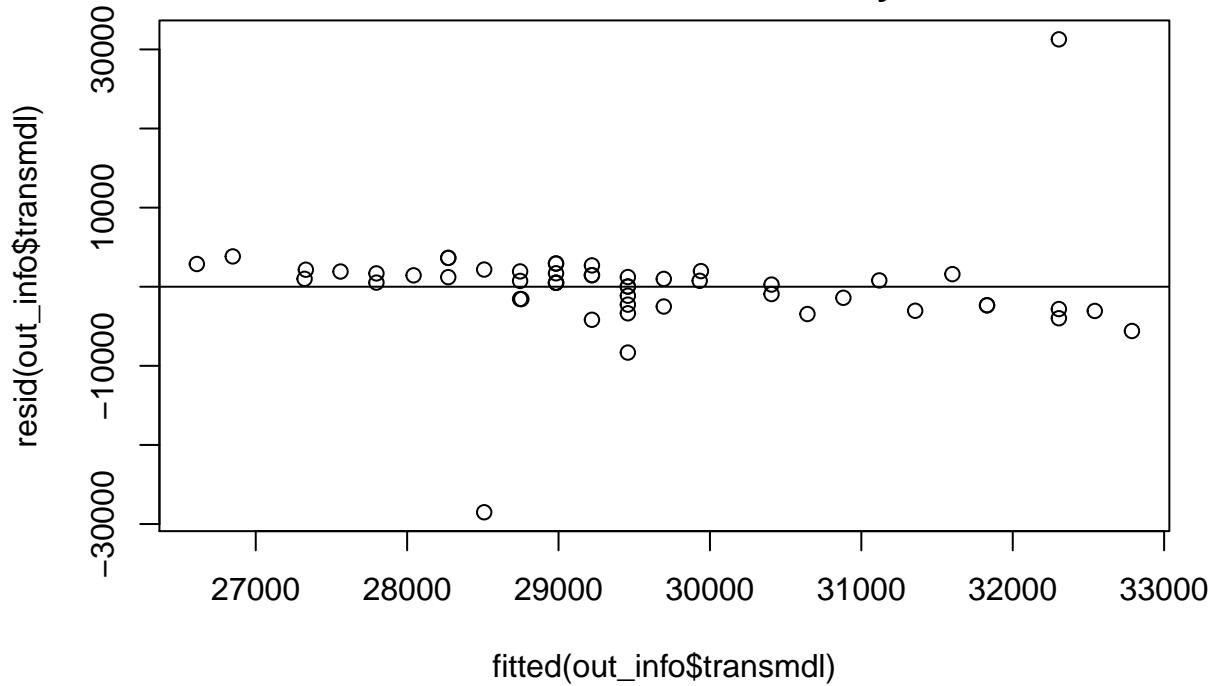
### Normal Q-Q Plot



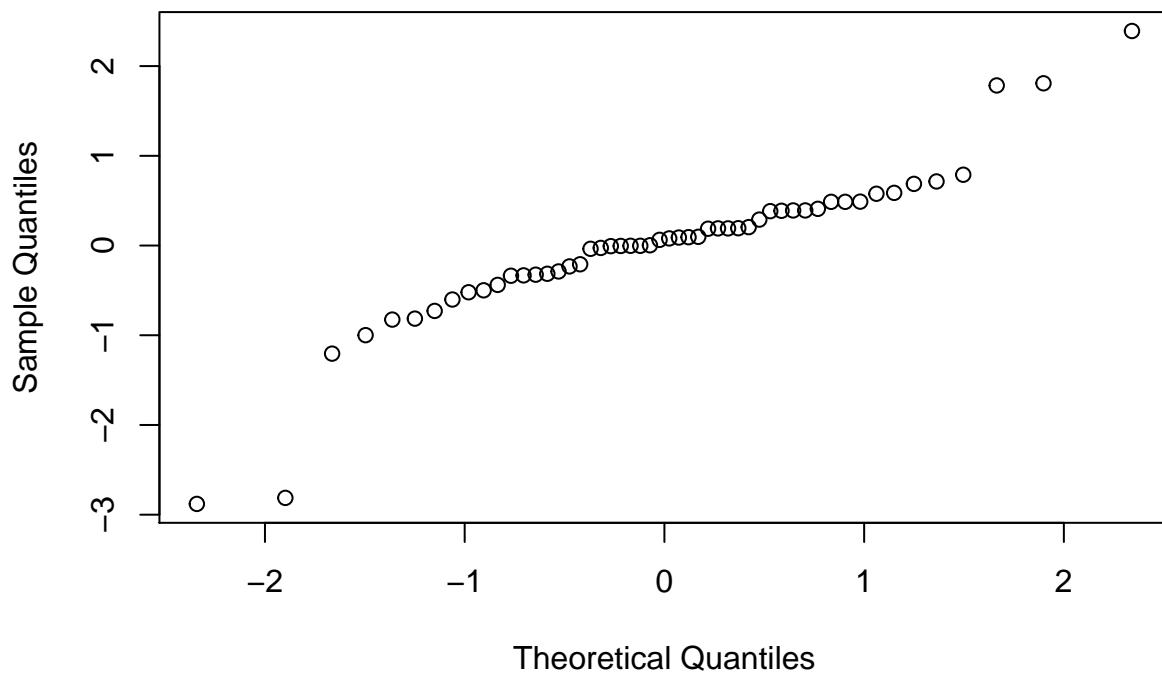
**Plot of PFHX\$orig+  
Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



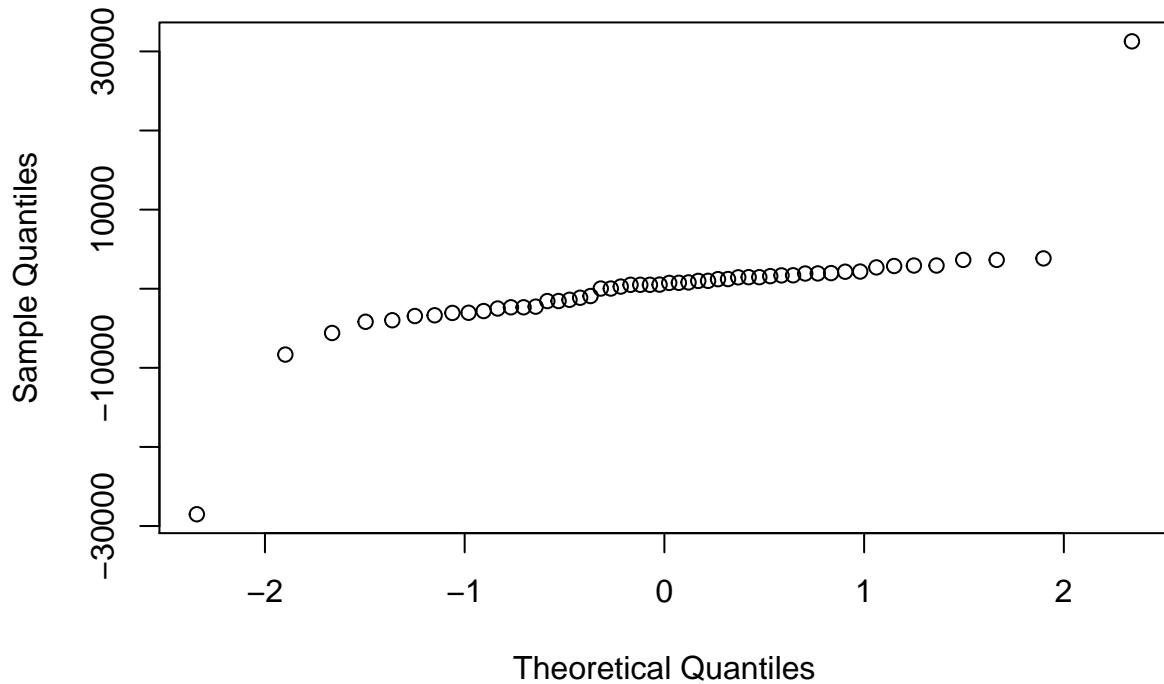
**Plot of PFNAtrans+  
Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**



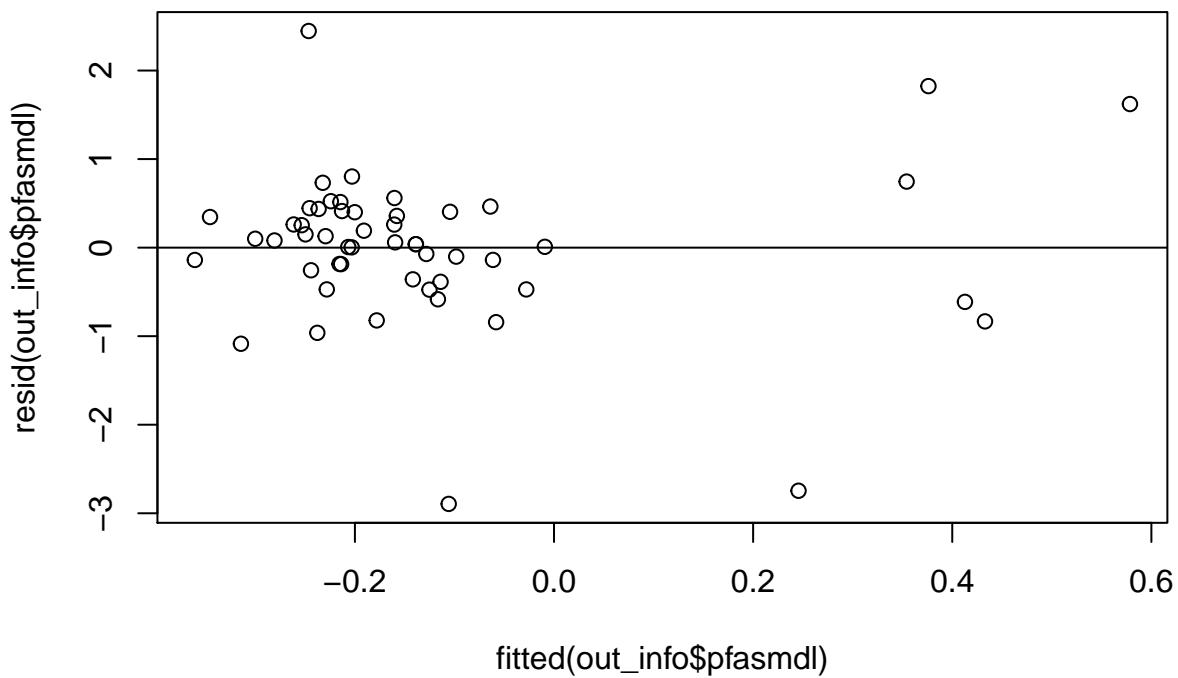
**Normal Q-Q Plot**



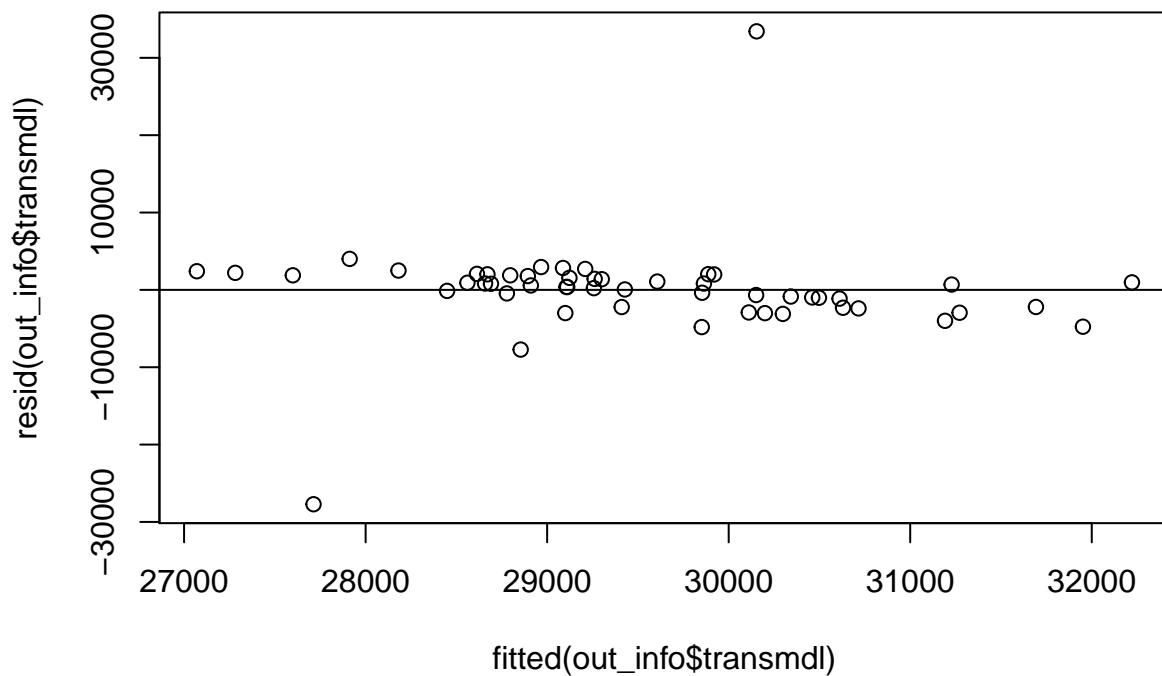
### Normal Q-Q Plot



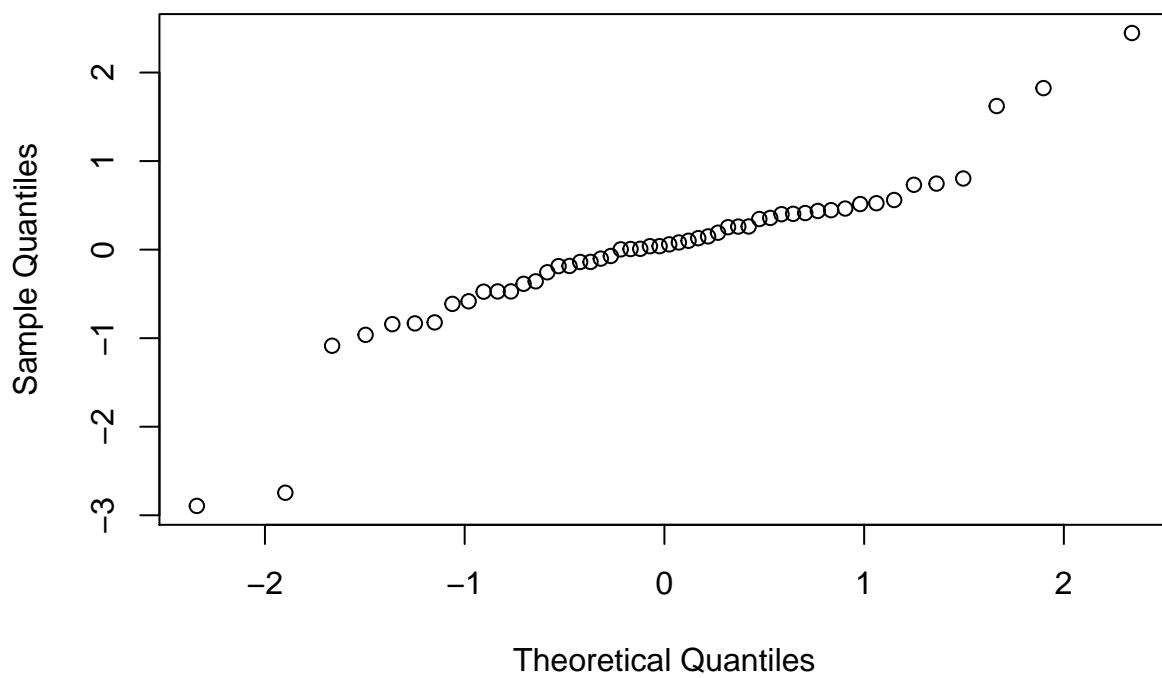
Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity



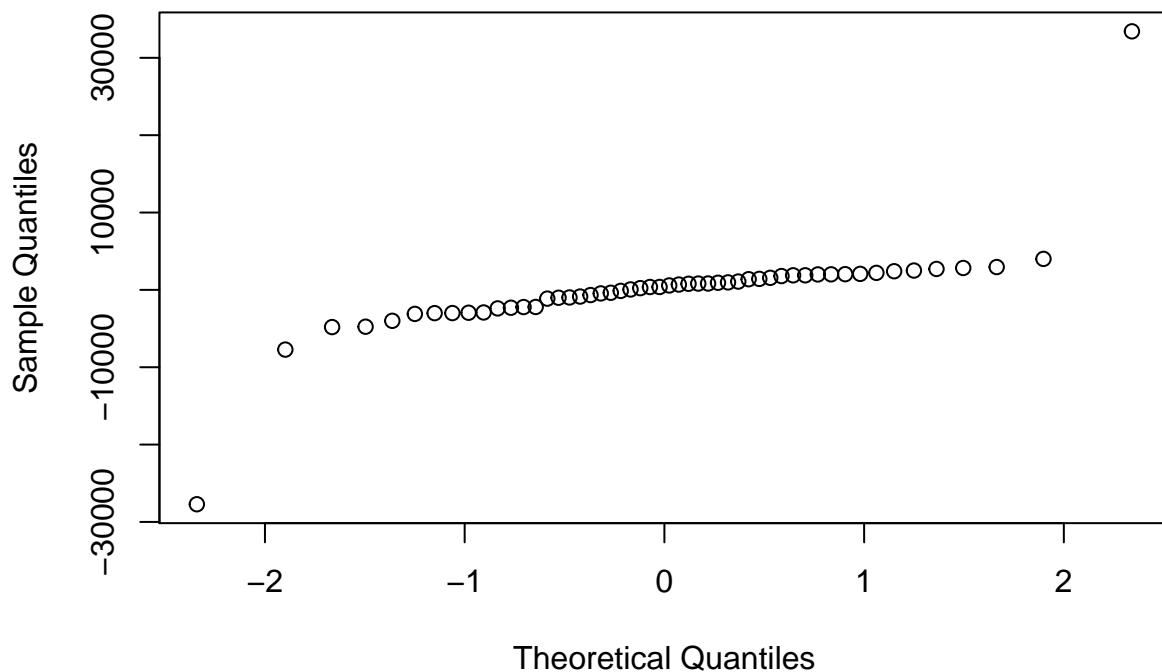
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



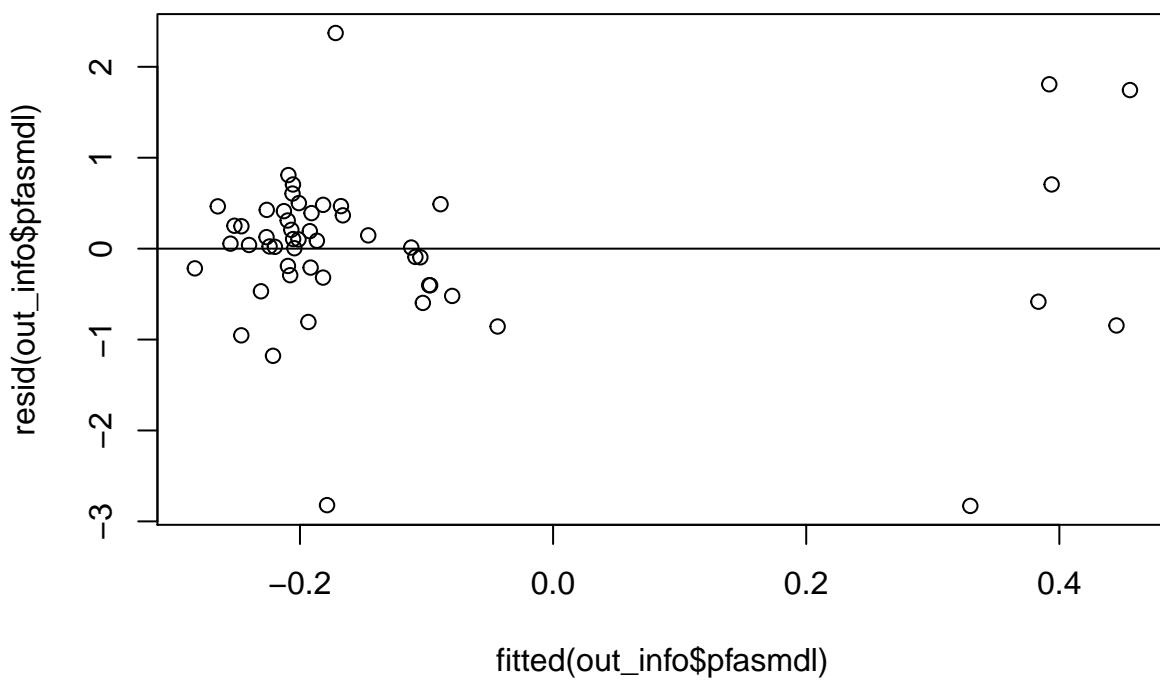
**Normal Q-Q Plot**



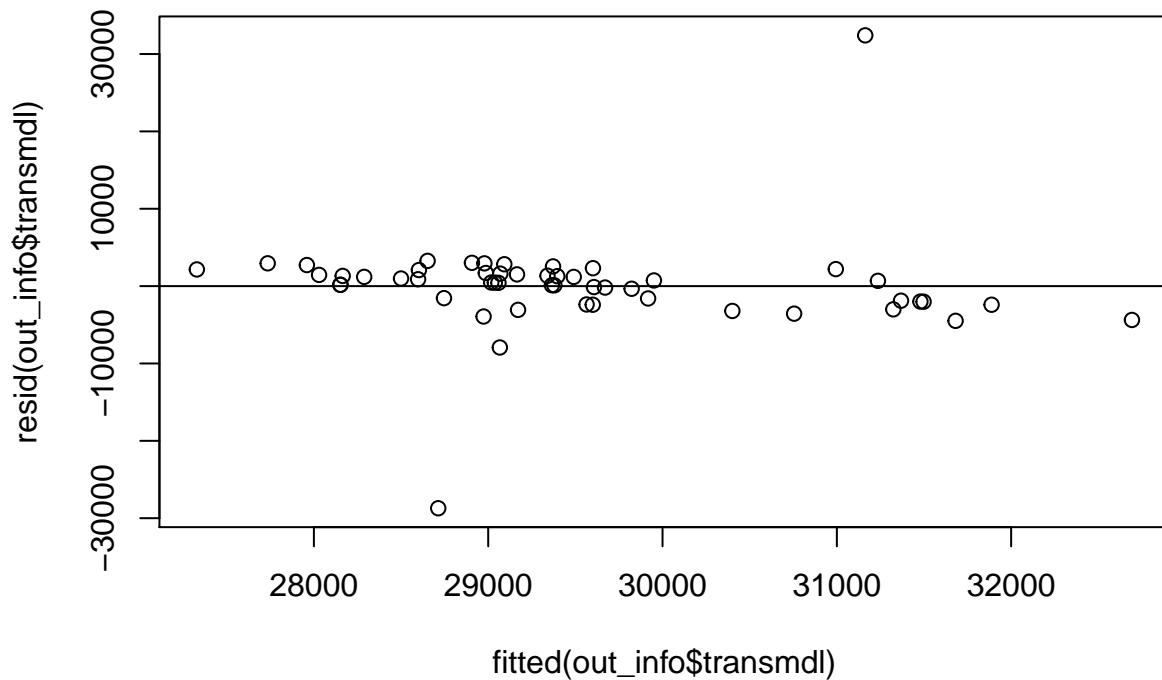
### Normal Q-Q Plot



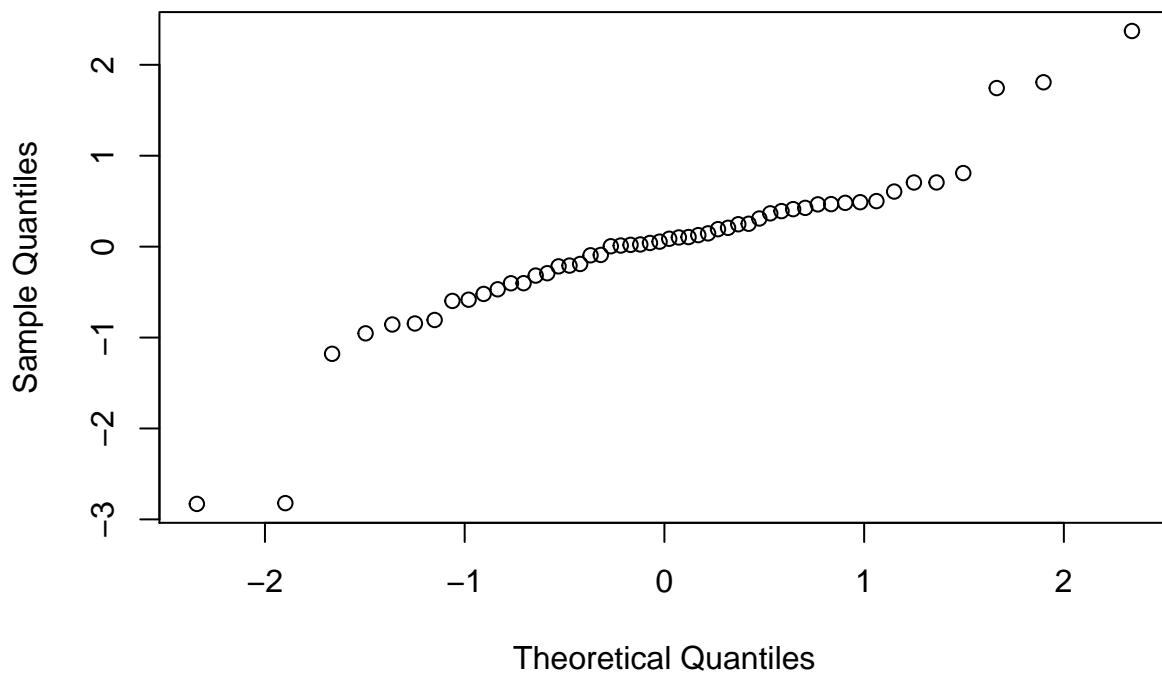
Plot of PFHX\$orig+  
Plot of PFHX\$origstr.duration.hrs  
Plot of PFHX\$origEthnicity



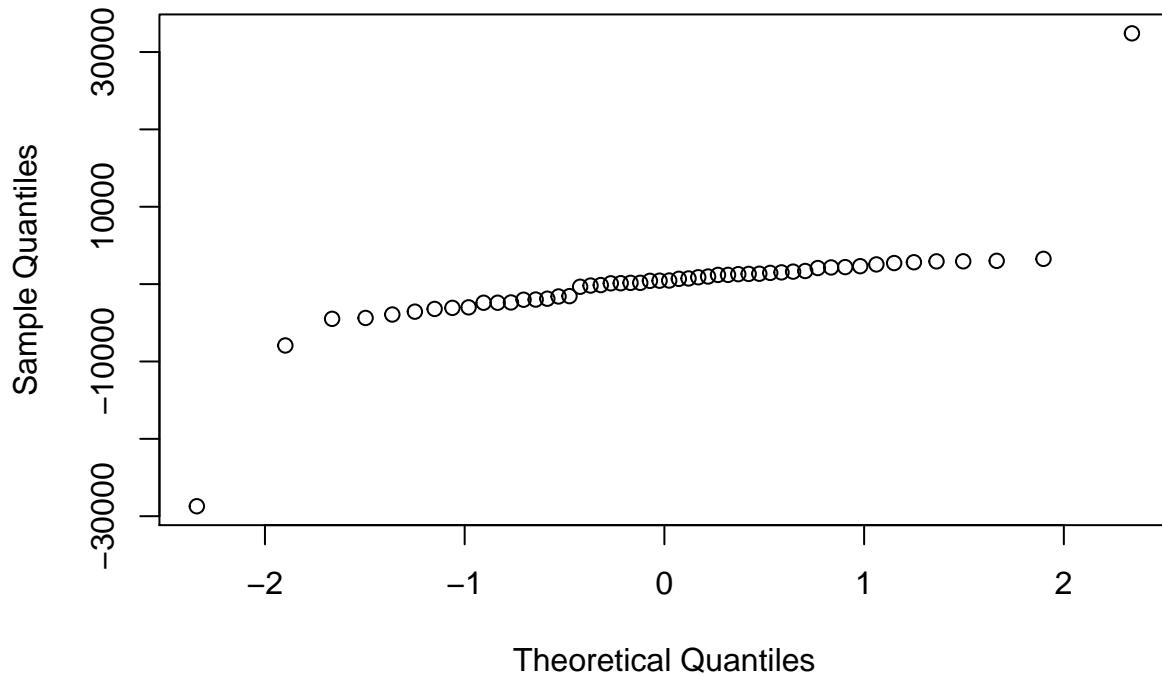
**Plot of PFNAtrans+  
Plot of PFNAtransstr.duration.hrs  
Plot of PFNAtransEthnicity**



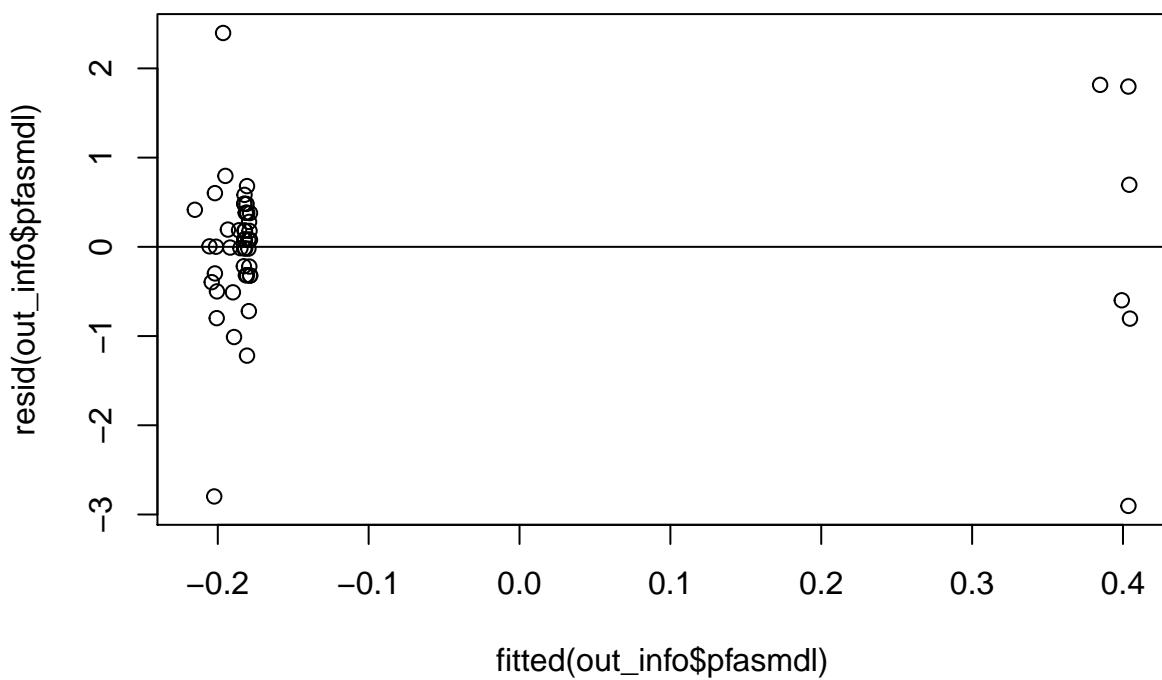
**Normal Q-Q Plot**



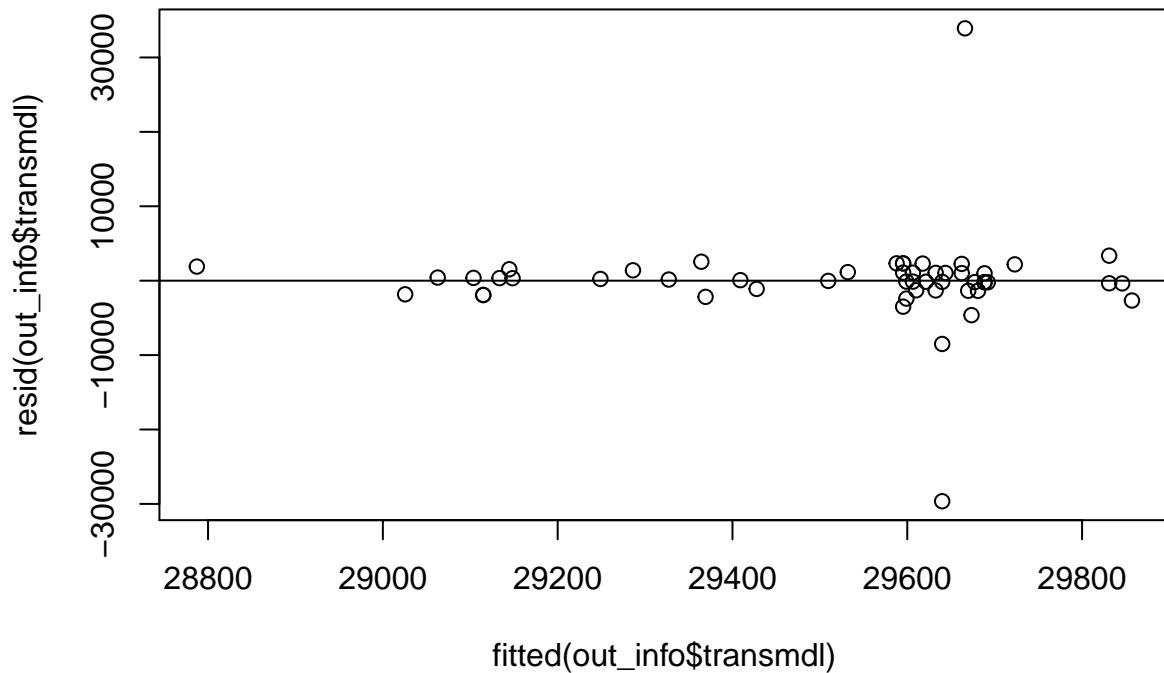
### Normal Q-Q Plot



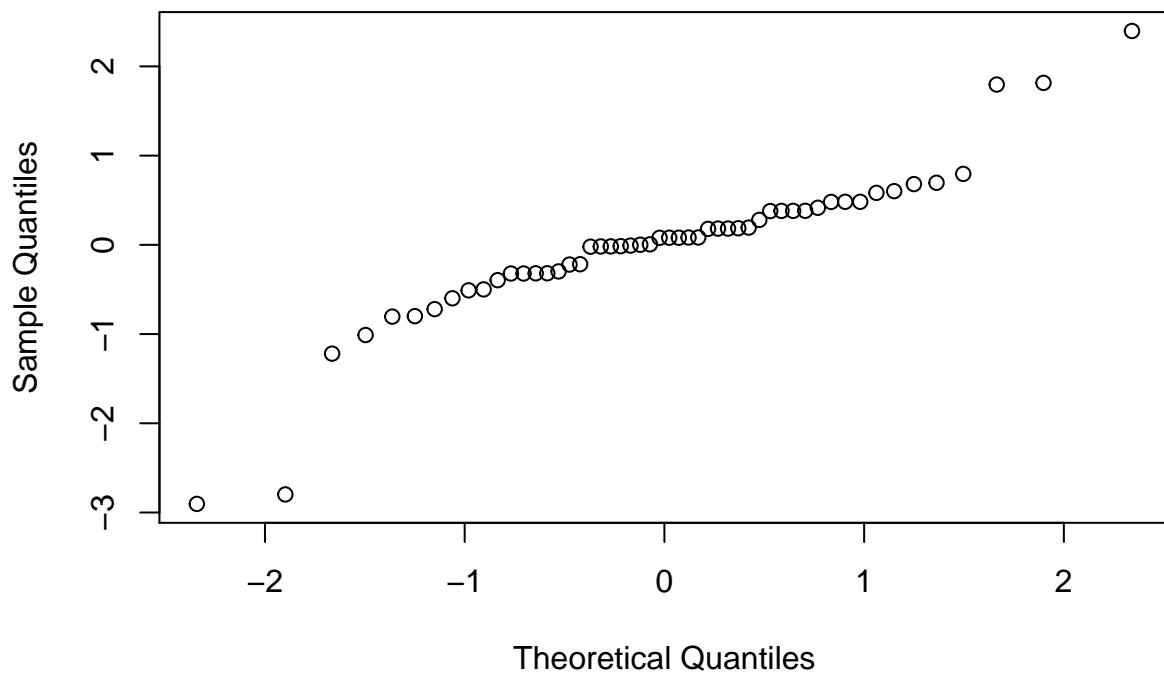
**Plot of PFHX\$orig+  
Plot of PFHX\$origdays.since.MRF  
Plot of PFHX\$origEthnicity**



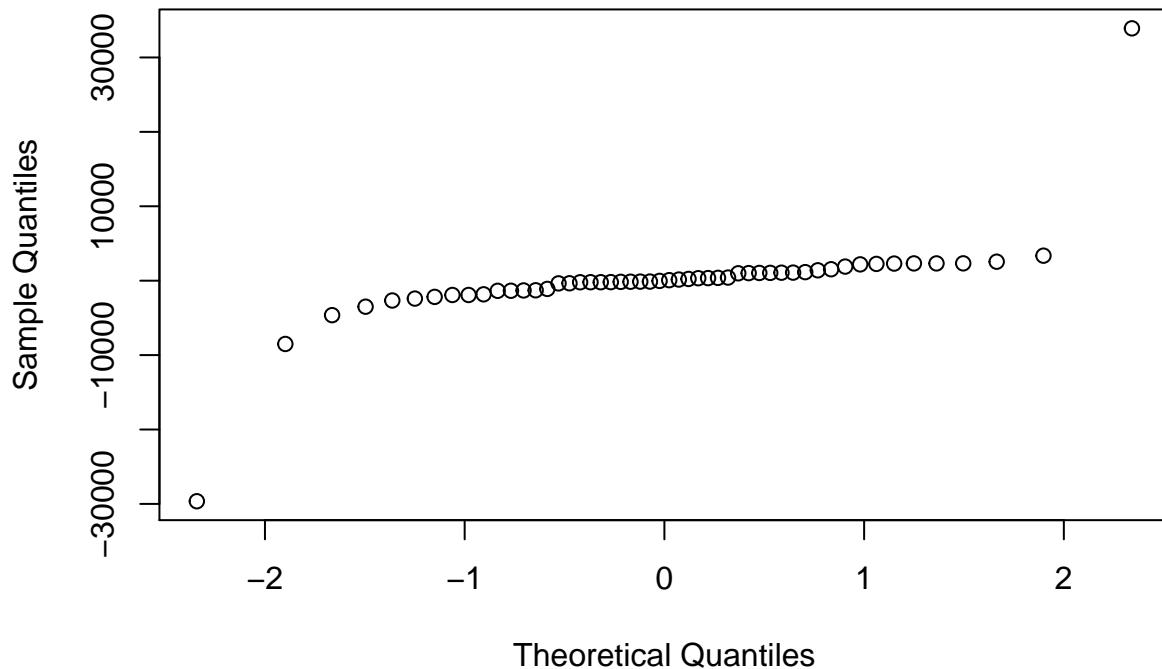
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



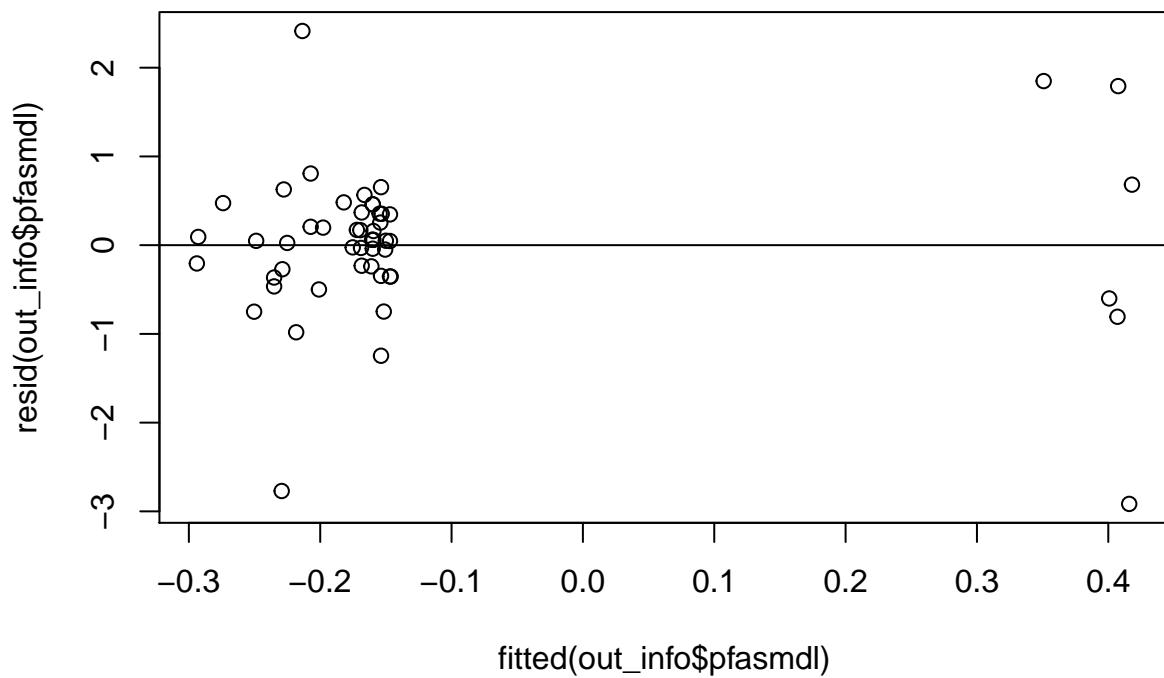
**Normal Q-Q Plot**



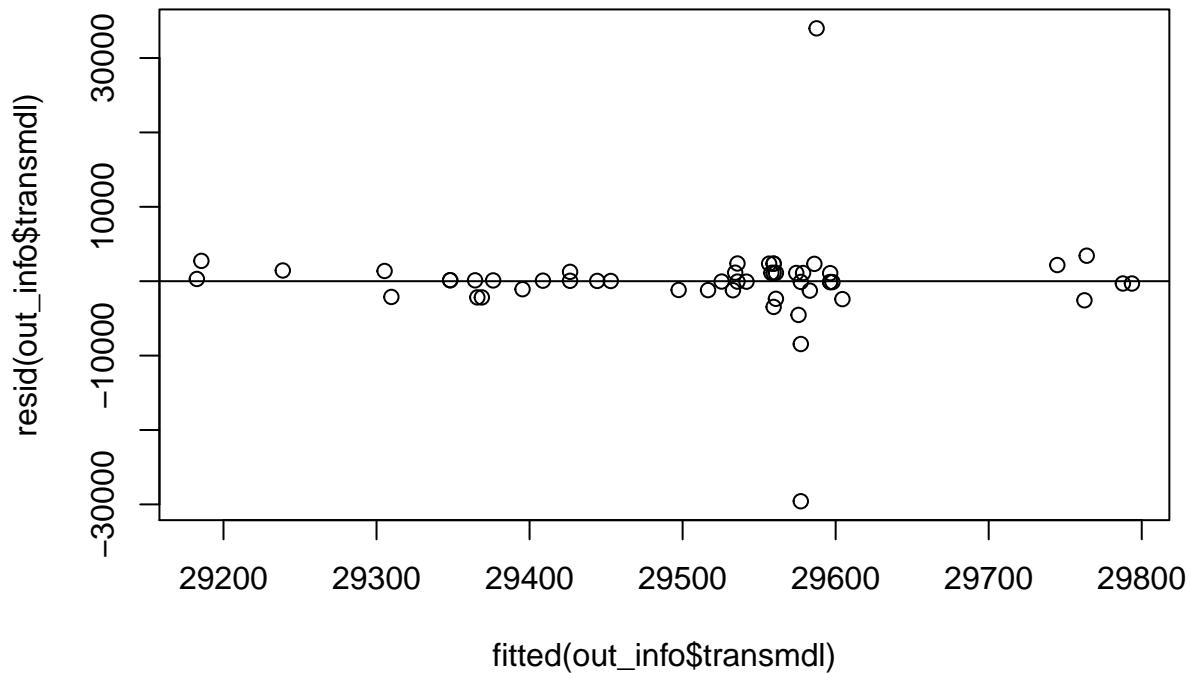
### Normal Q-Q Plot



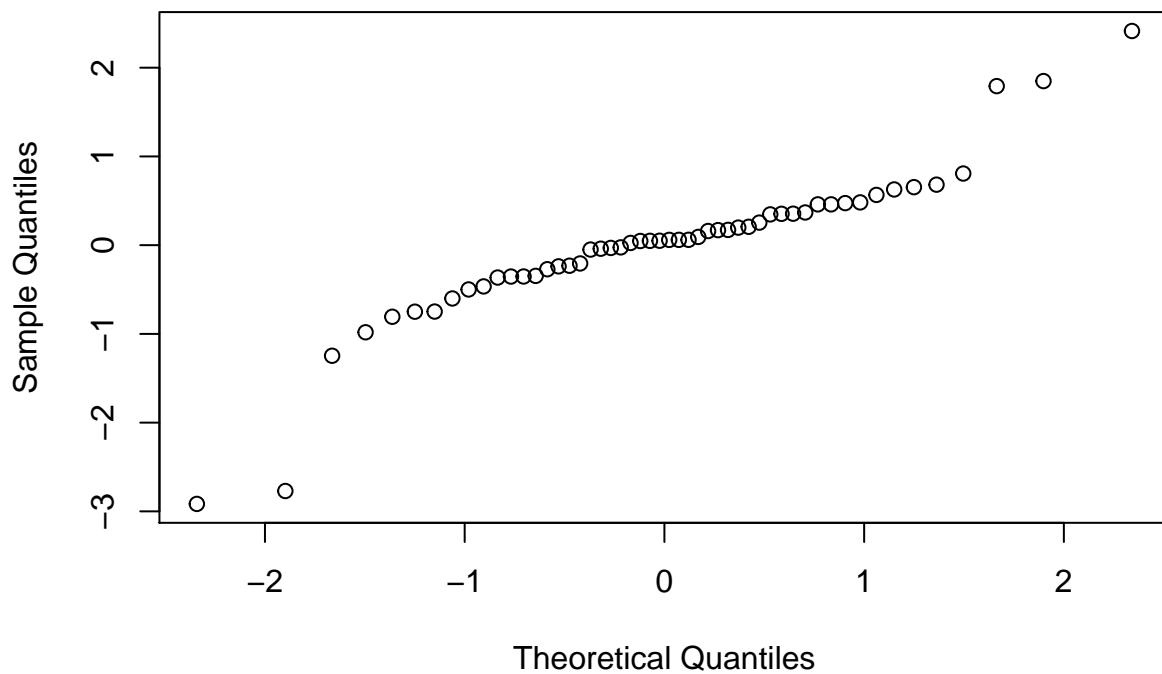
**Plot of PFHXSorig+  
Plot of PFHXSorigdays.since.struc.MRF  
Plot of PFHXSorigEthnicity**



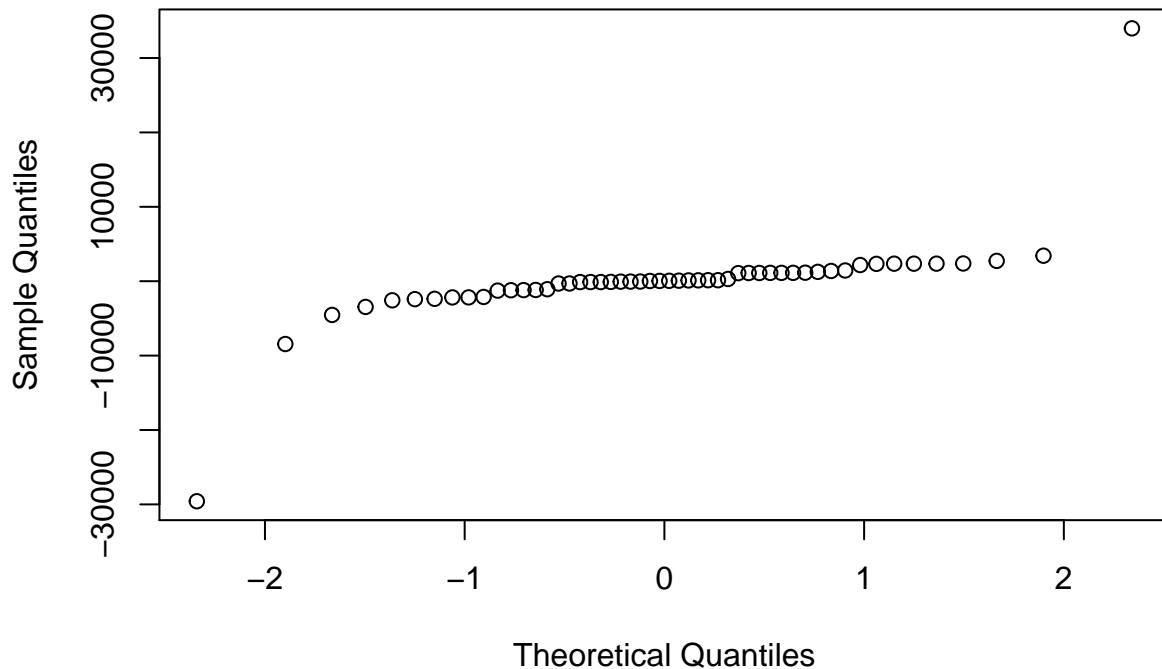
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.struc.MRF  
Plot of PFNAtransEthnicity**



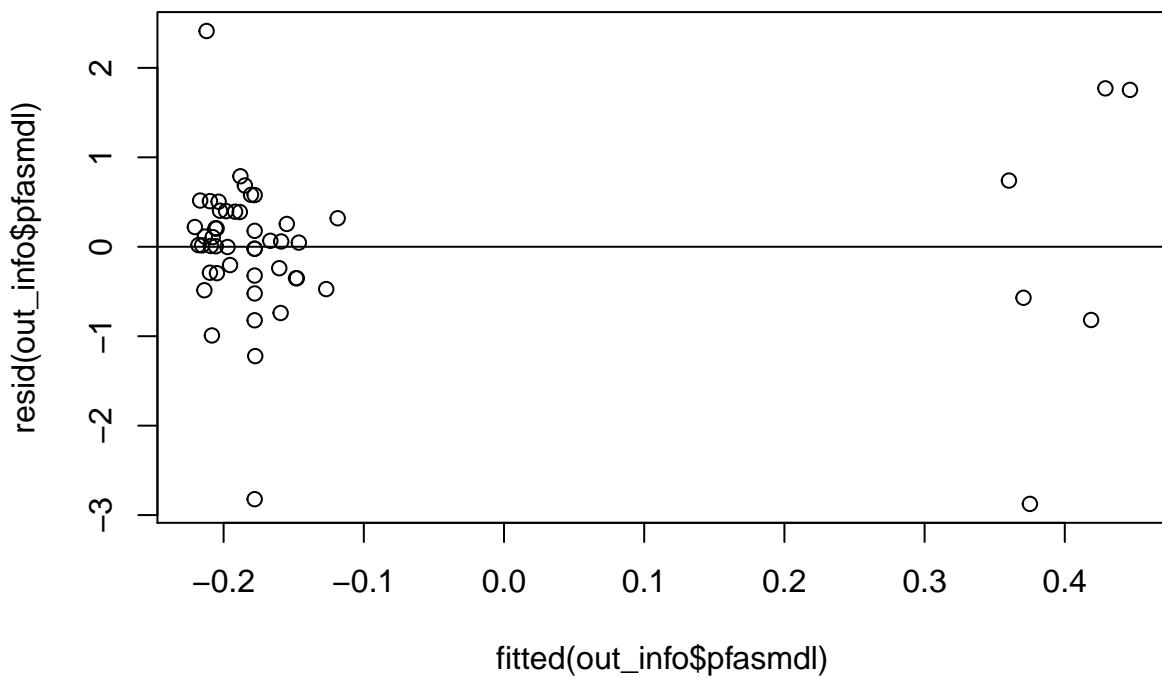
**Normal Q-Q Plot**



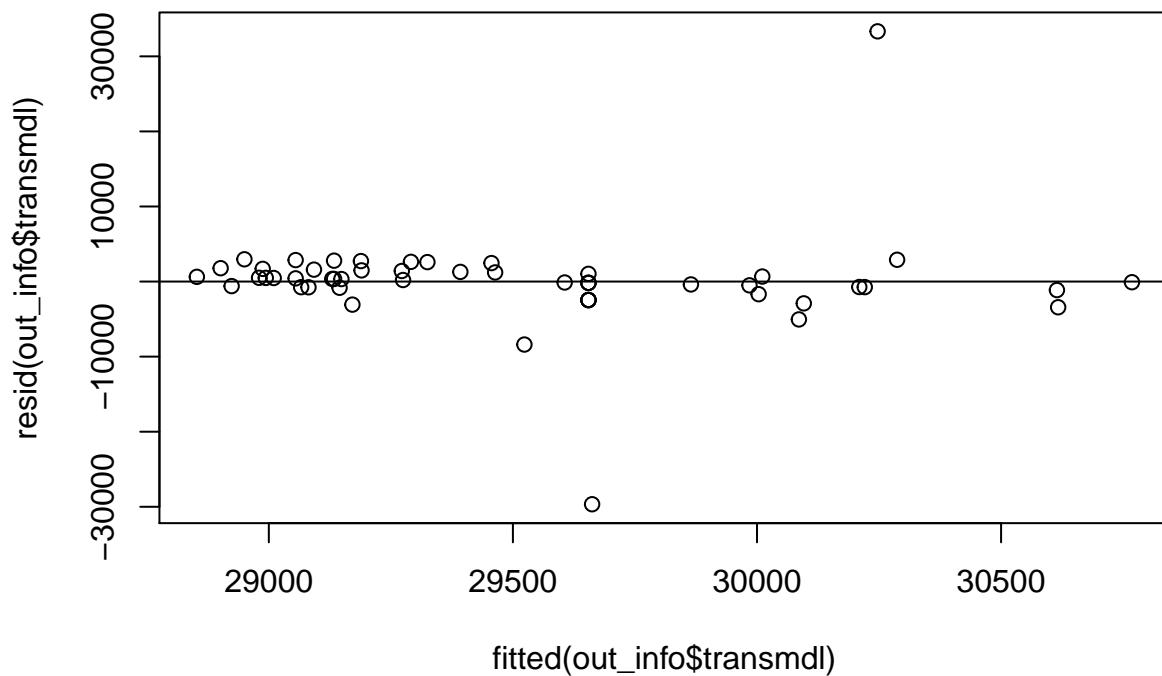
### Normal Q-Q Plot



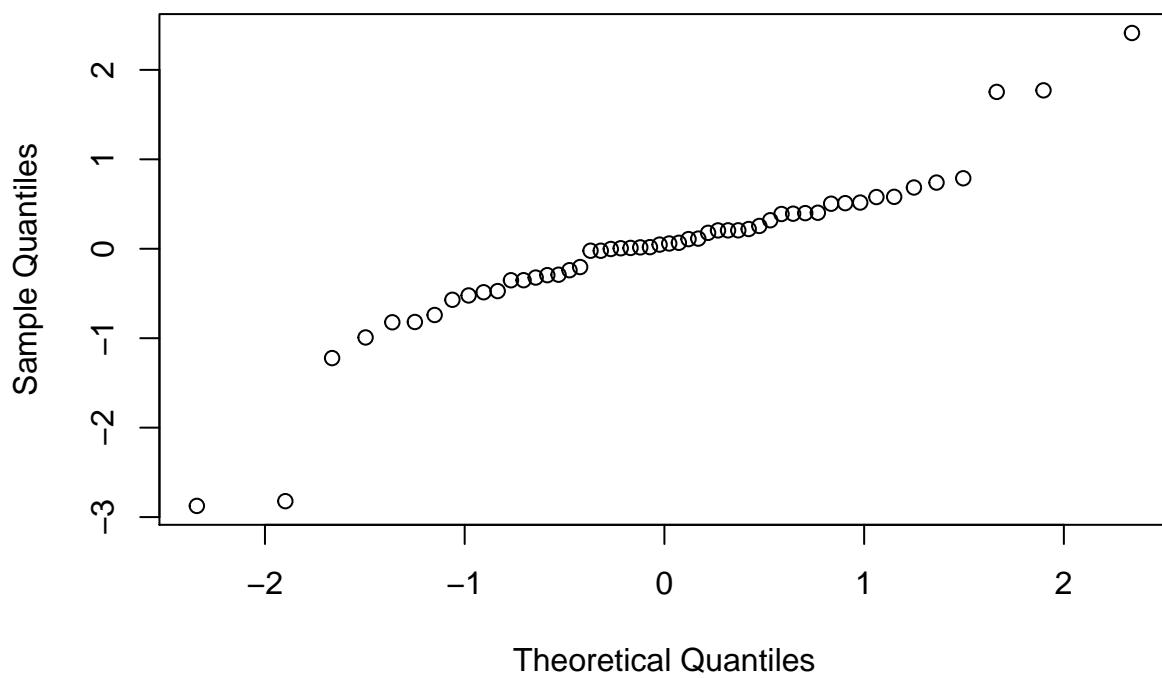
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\*time.since.baseline  
Plot of PFHX\$origEthnicity**



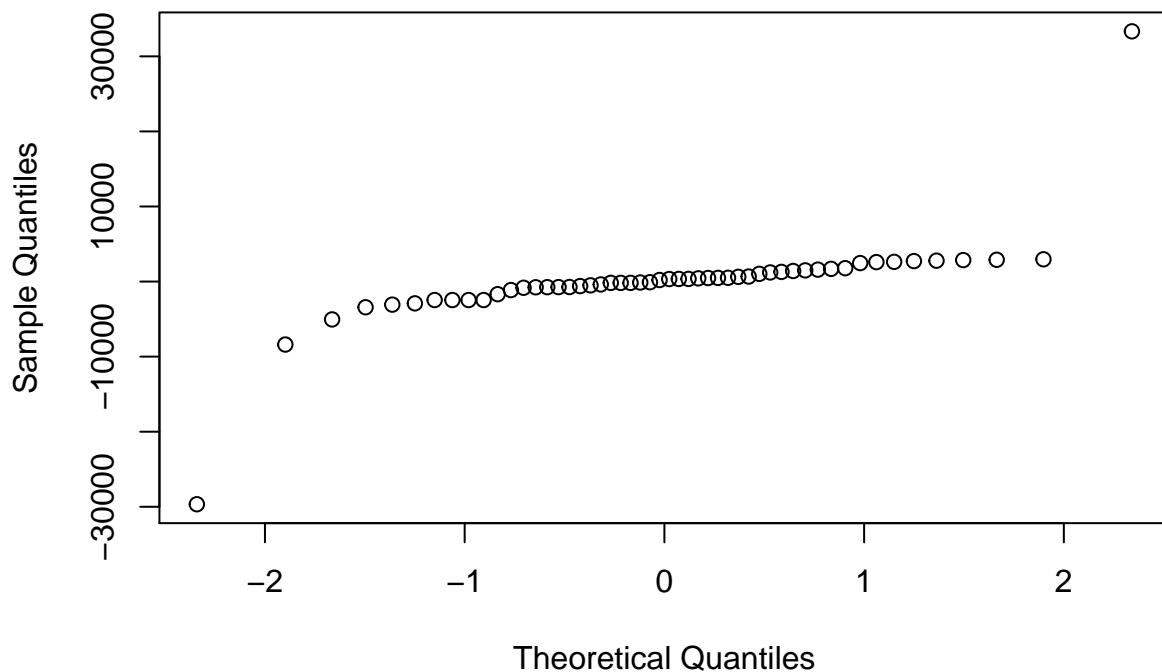
**Plot of PFNAtrans+  
Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



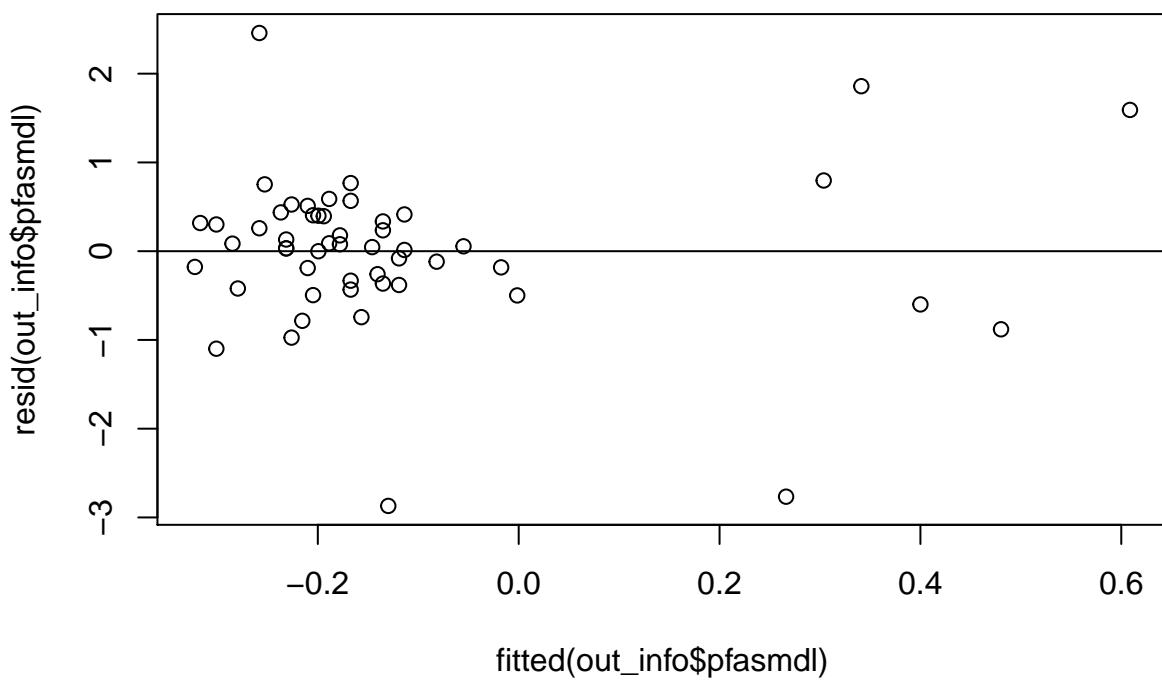
**Normal Q-Q Plot**



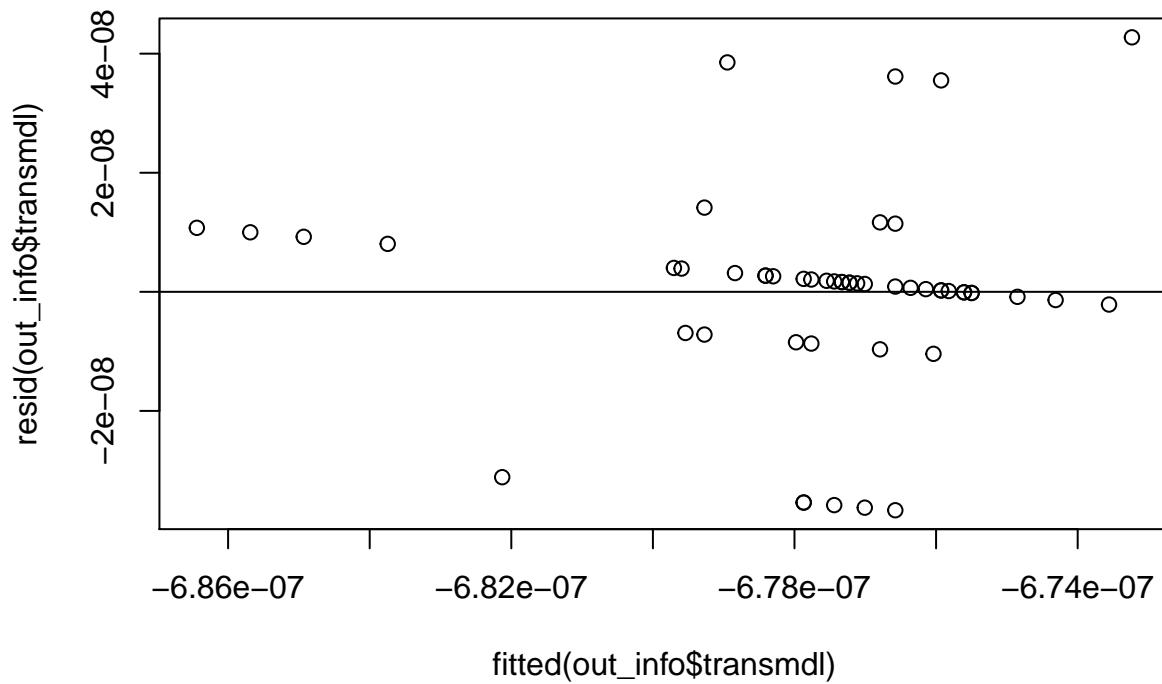
### Normal Q-Q Plot



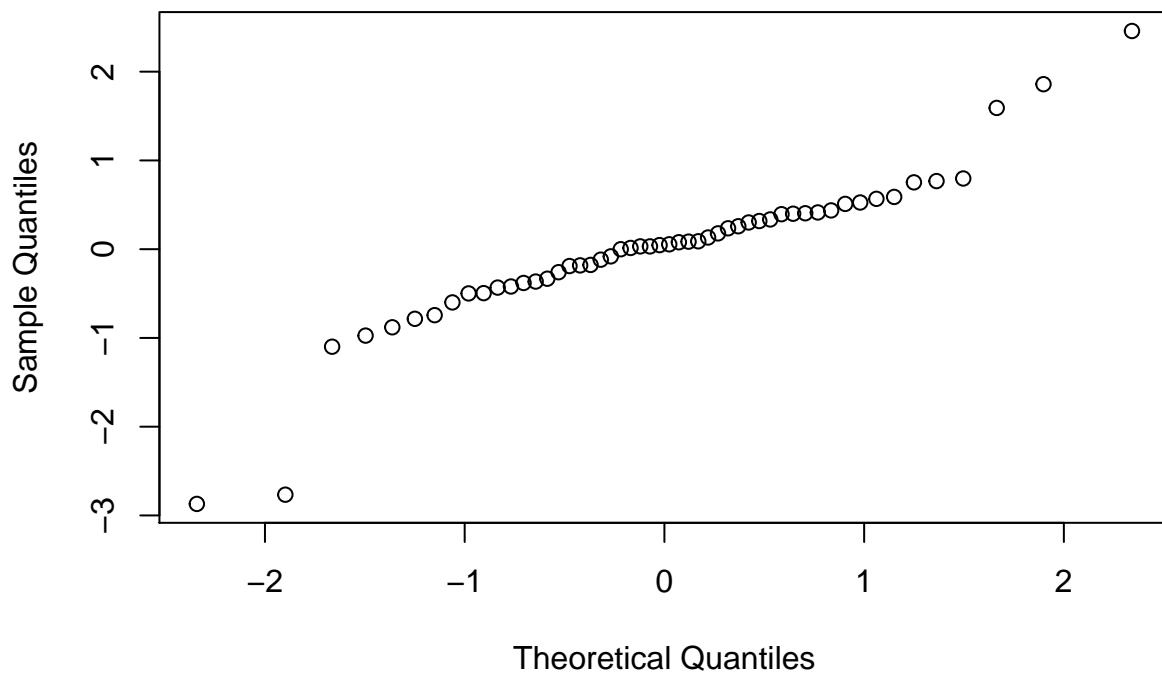
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.num.fireruns  
Plot of PFHX\$orig\$Ethnicity**



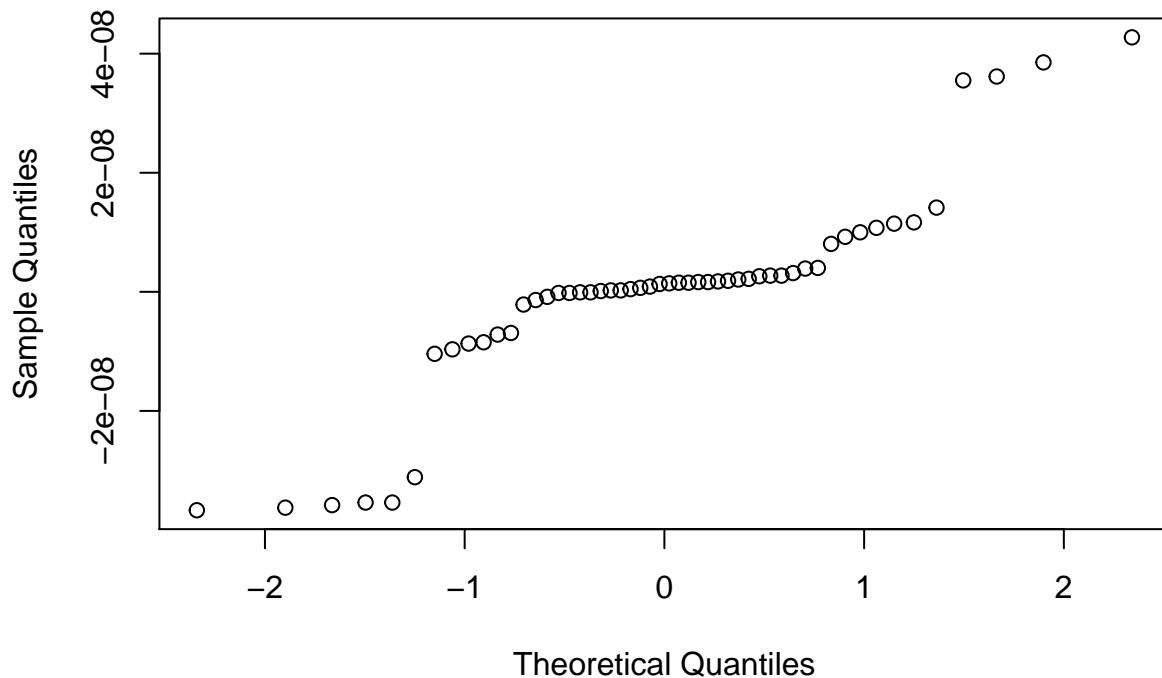
**Plot of PFUATrans+  
Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**



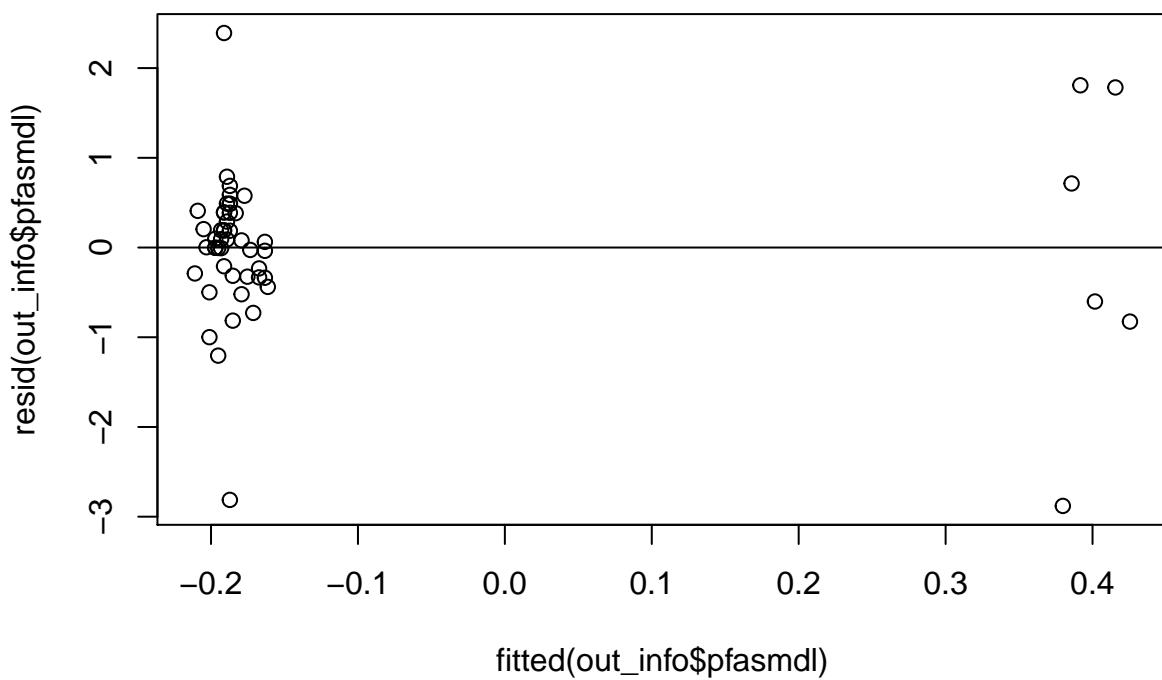
**Normal Q-Q Plot**



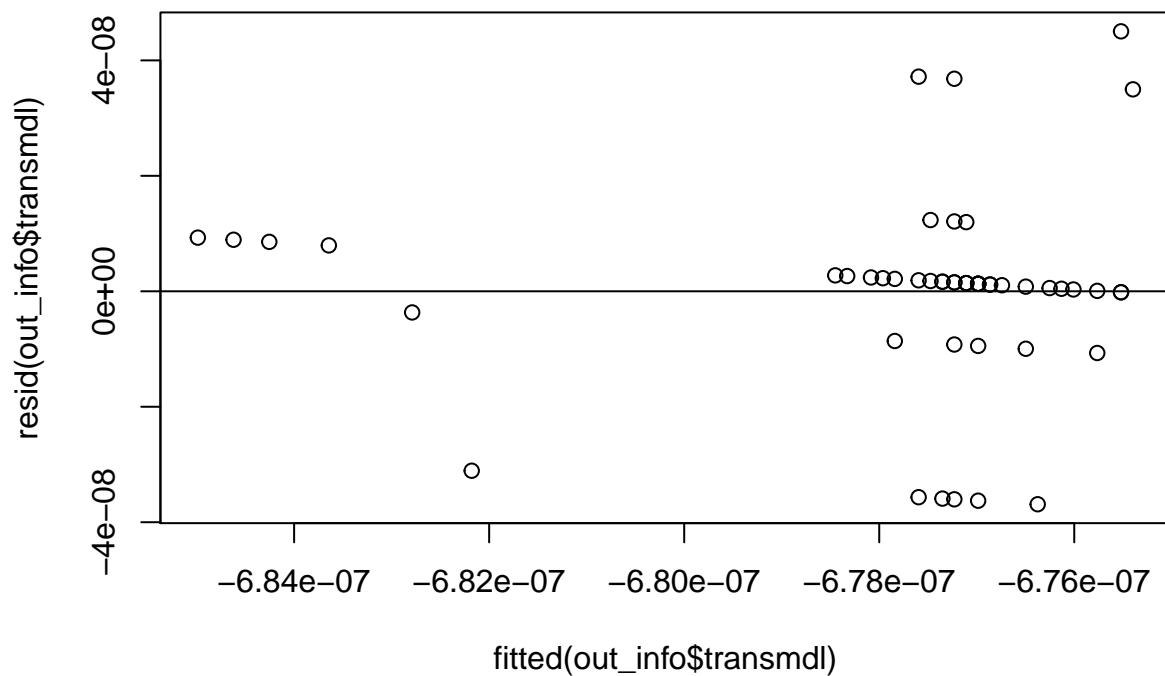
### Normal Q-Q Plot



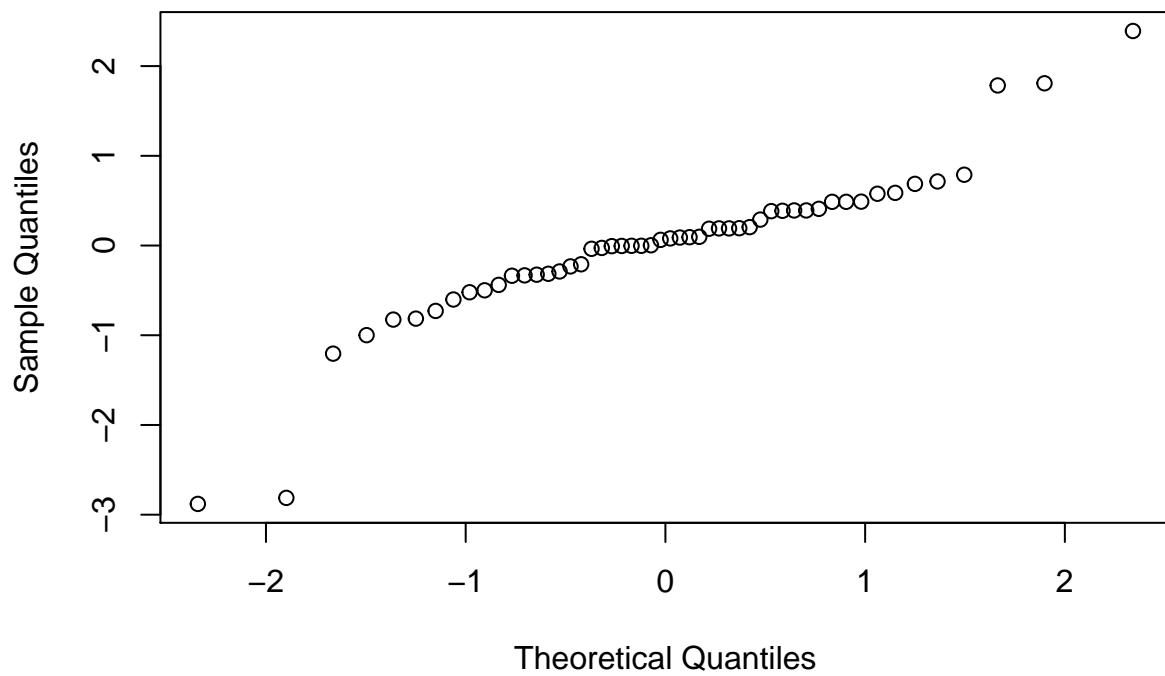
**Plot of PFHX\$orig+  
Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



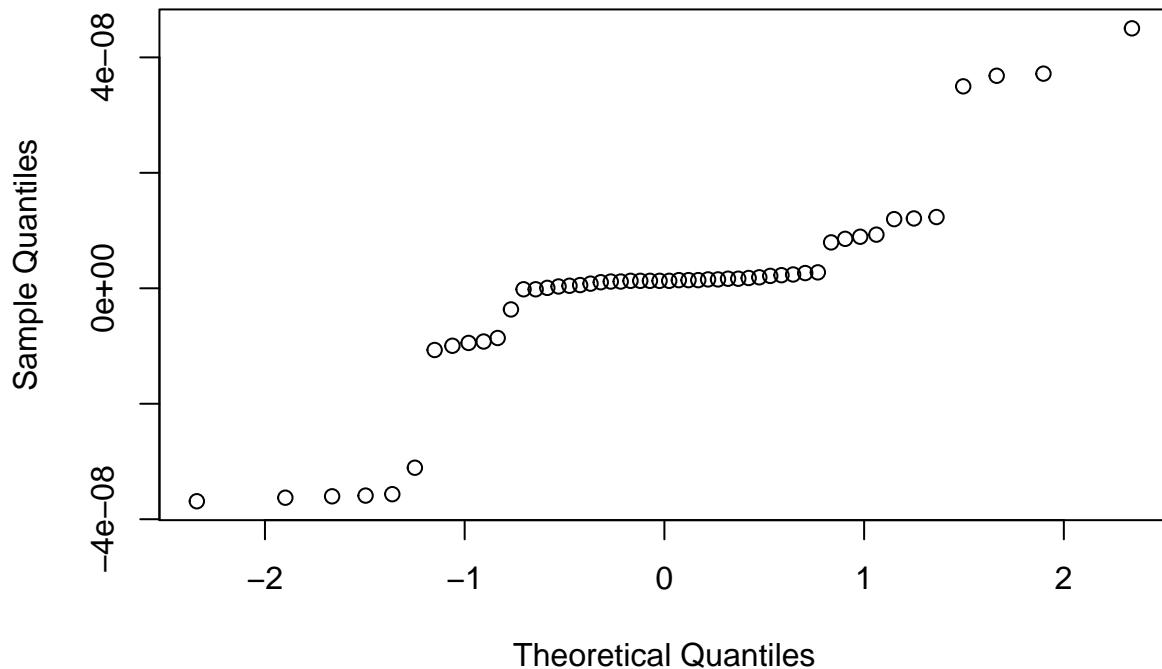
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



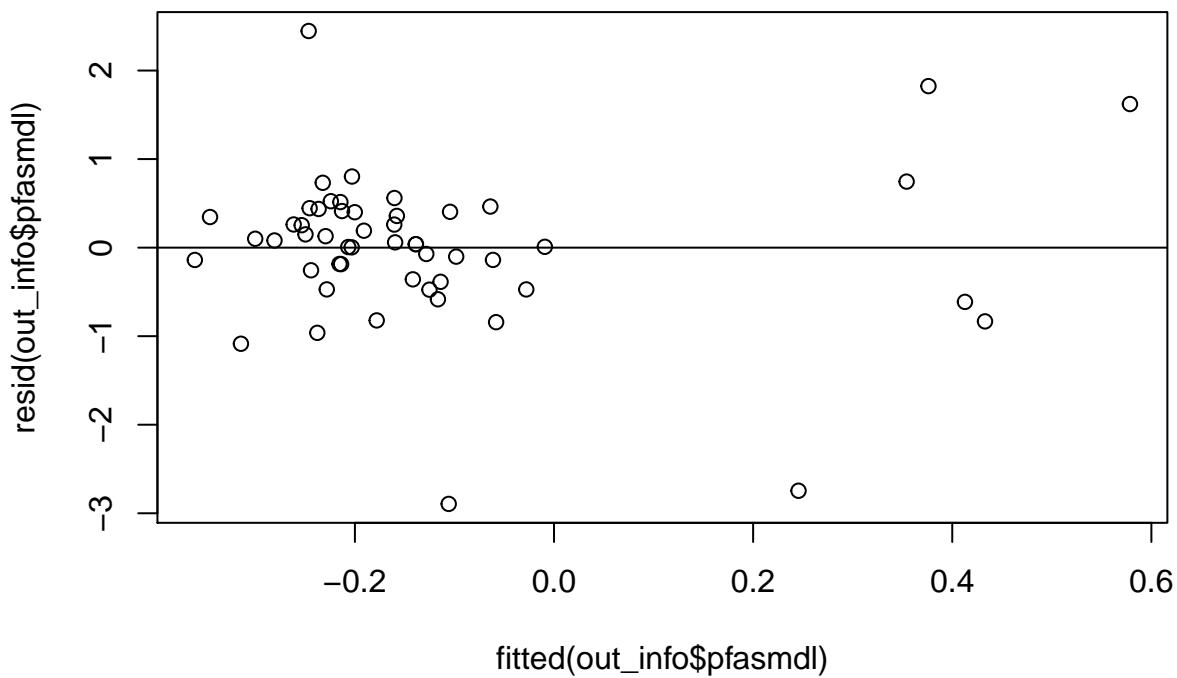
**Normal Q-Q Plot**



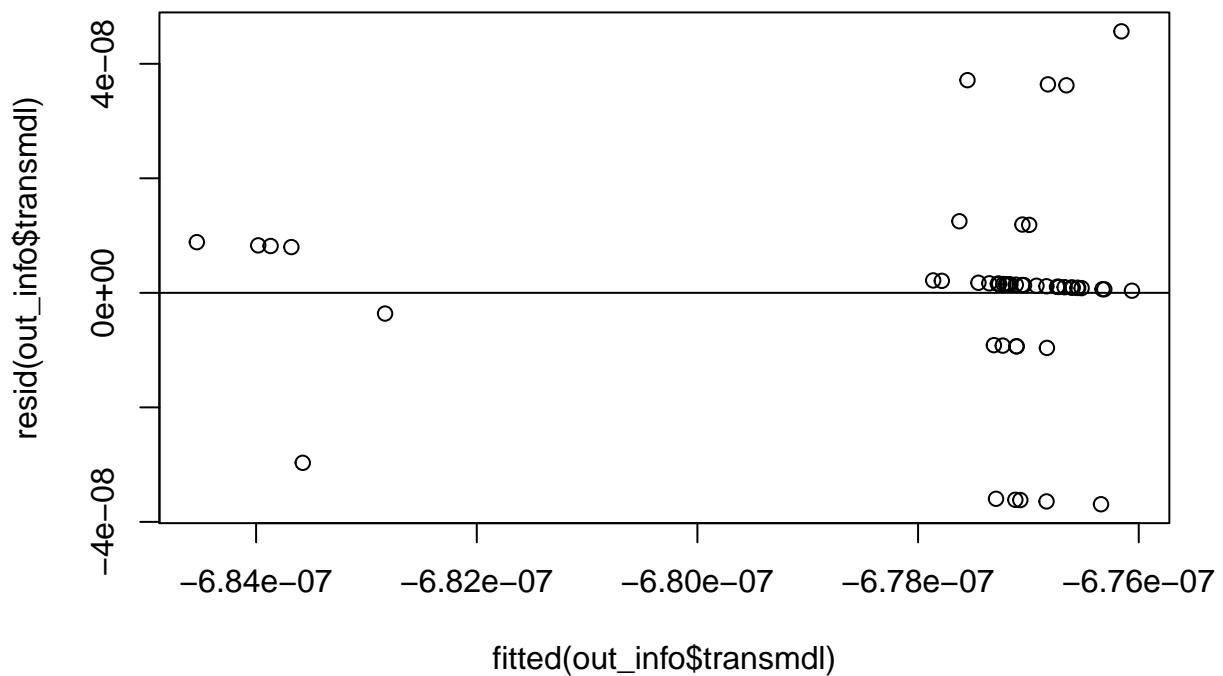
### Normal Q-Q Plot



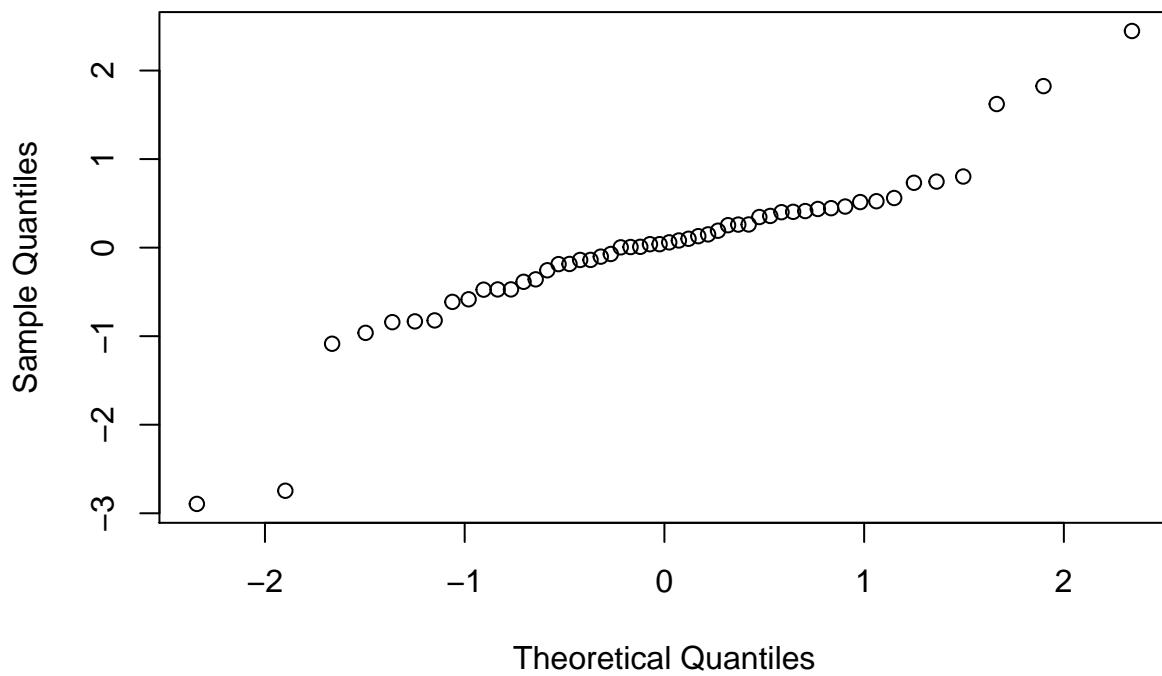
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity**



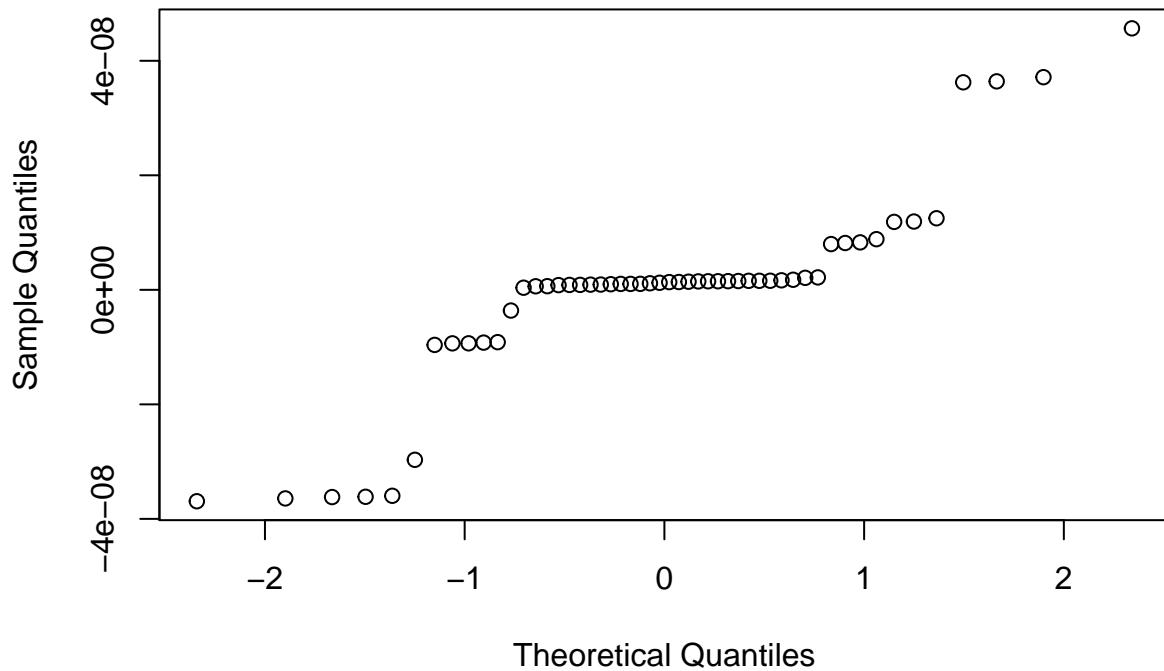
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



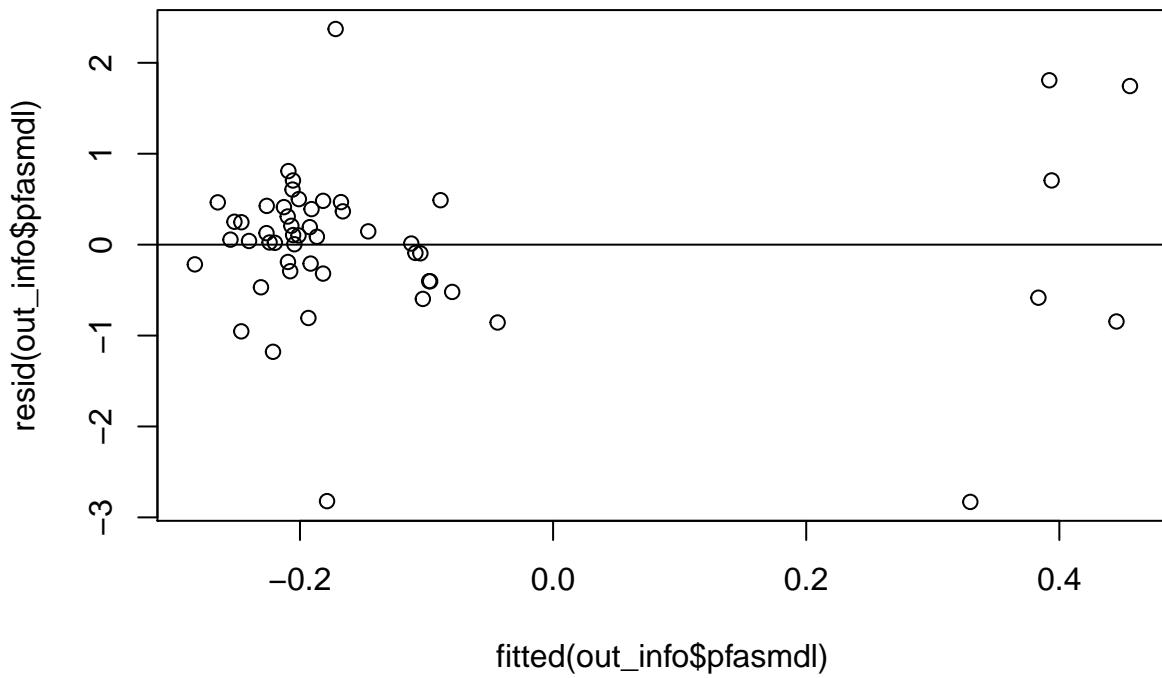
**Normal Q-Q Plot**



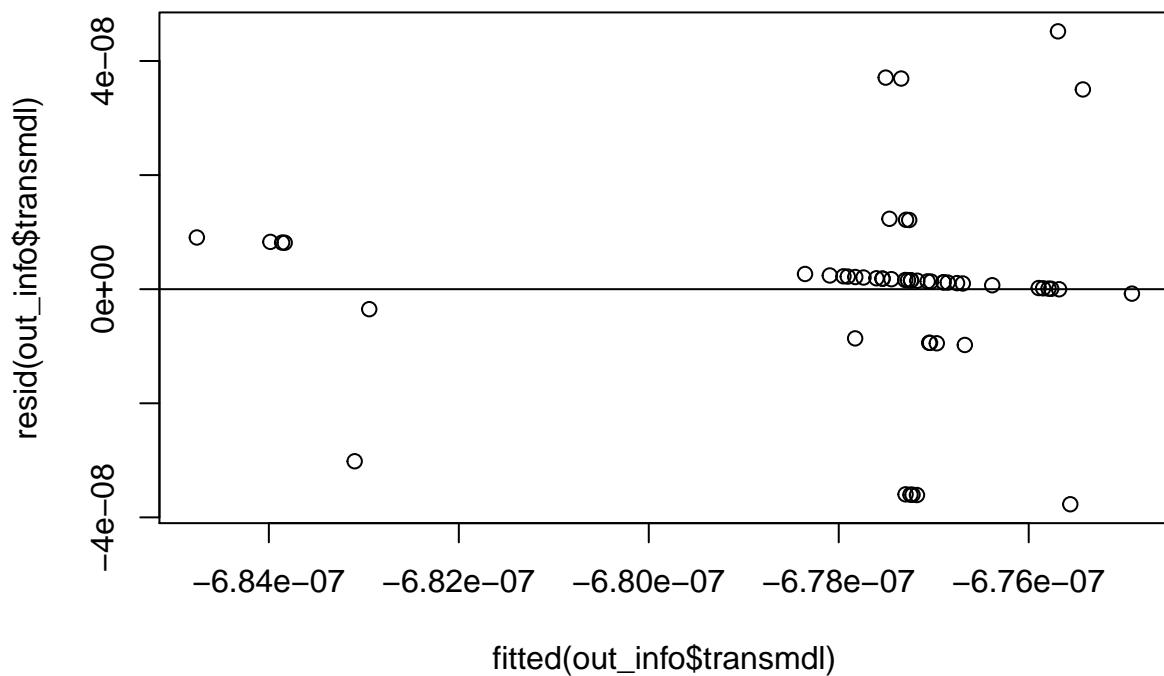
### Normal Q-Q Plot



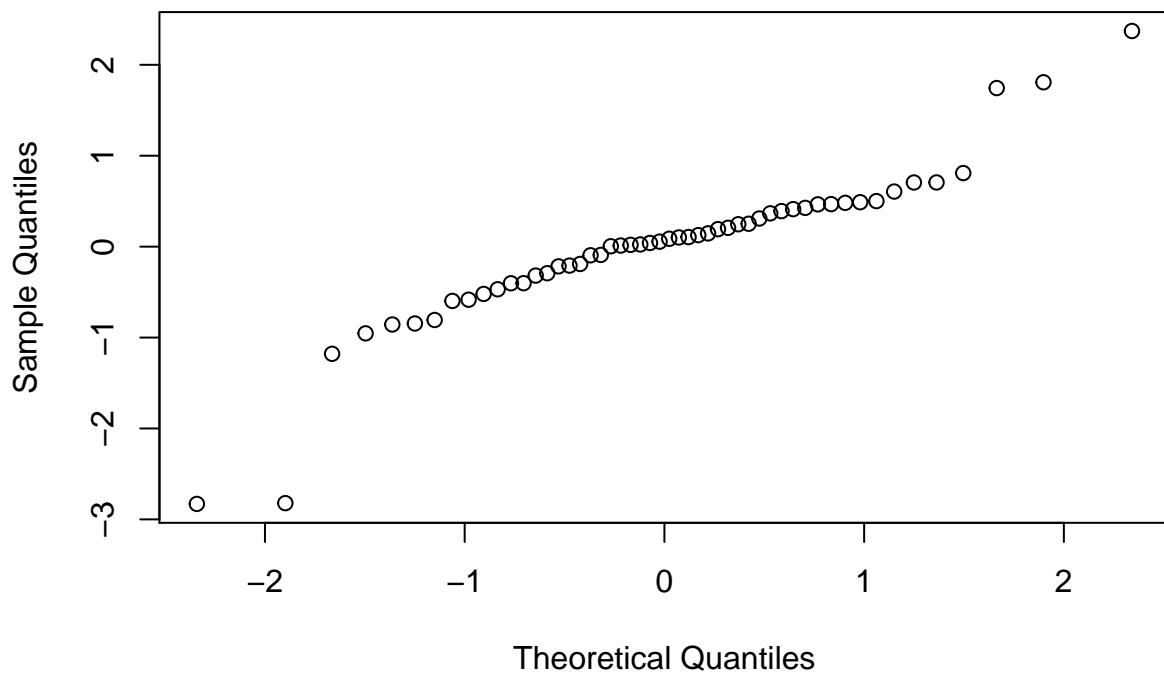
Plot of PFHX\$orig+  
Plot of PFHX\$origstr.duration.hrs  
Plot of PFHX\$origEthnicity



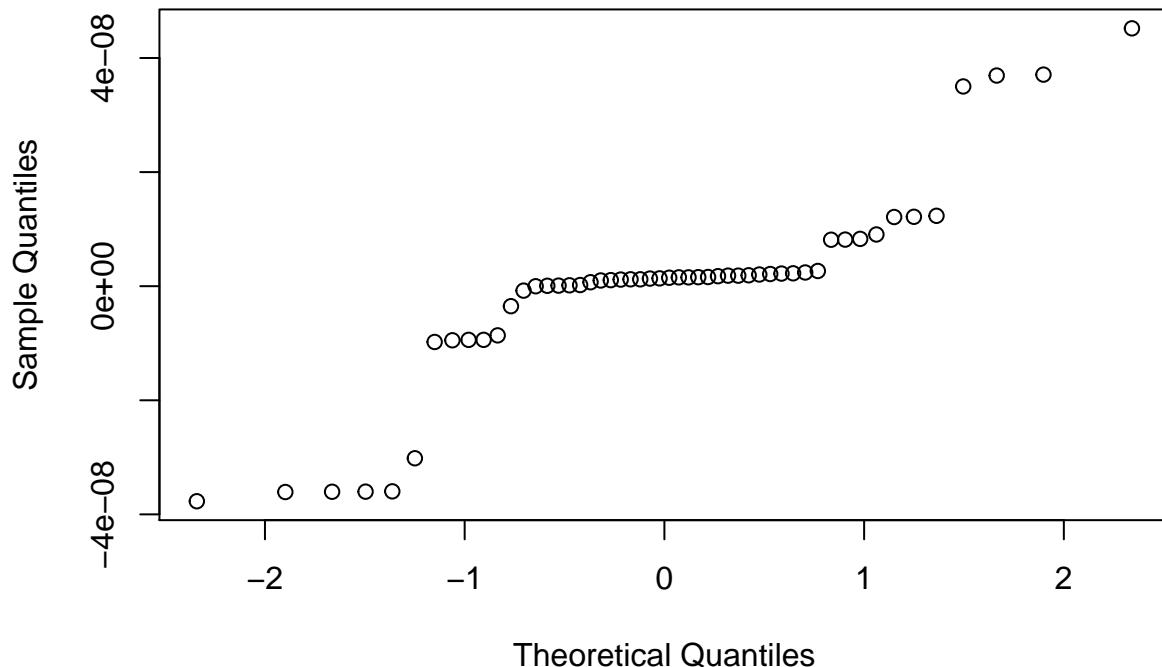
**Plot of PFUATrans+  
Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



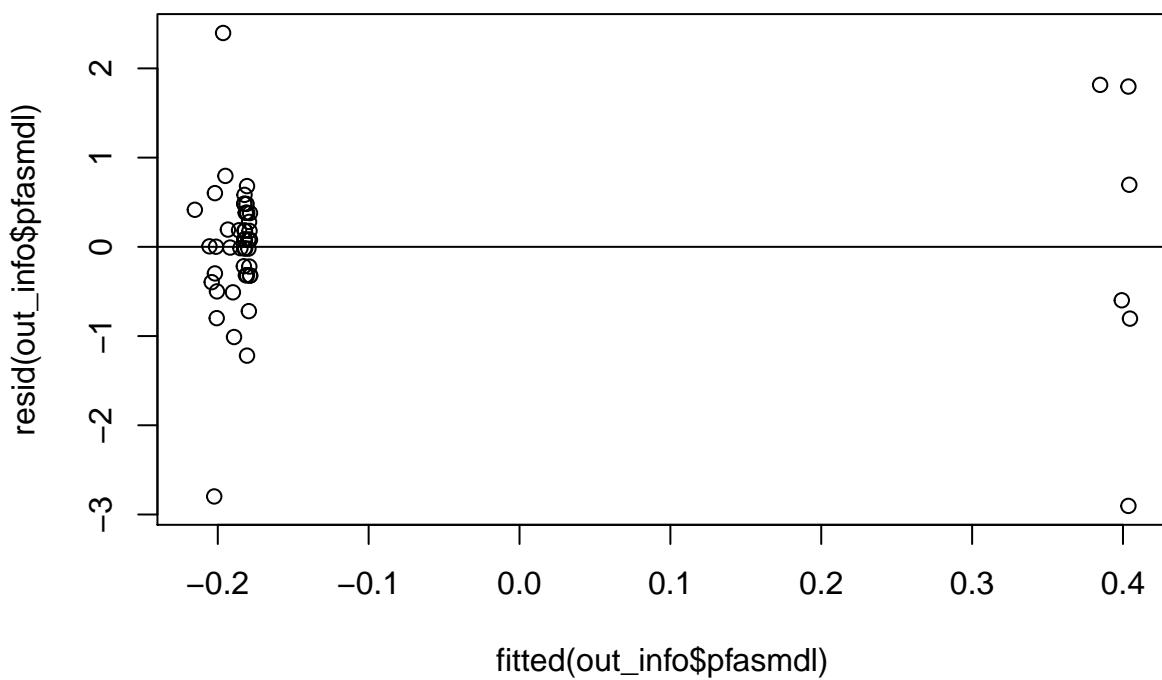
**Normal Q-Q Plot**



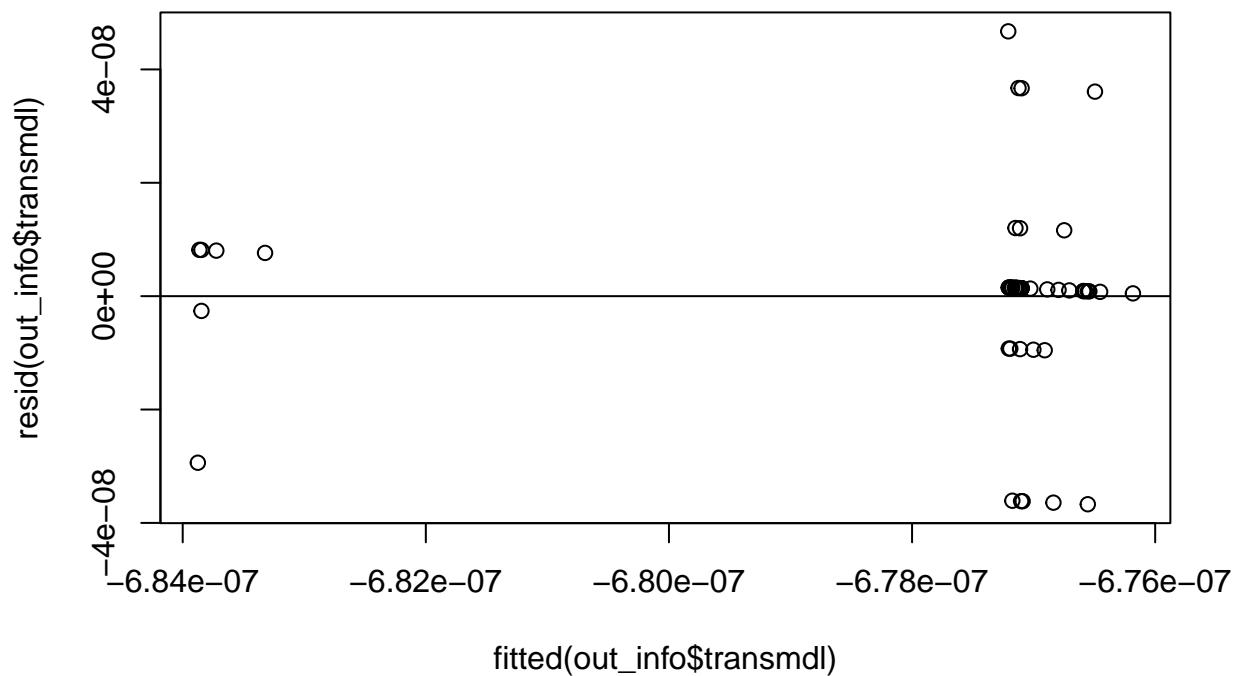
### Normal Q-Q Plot



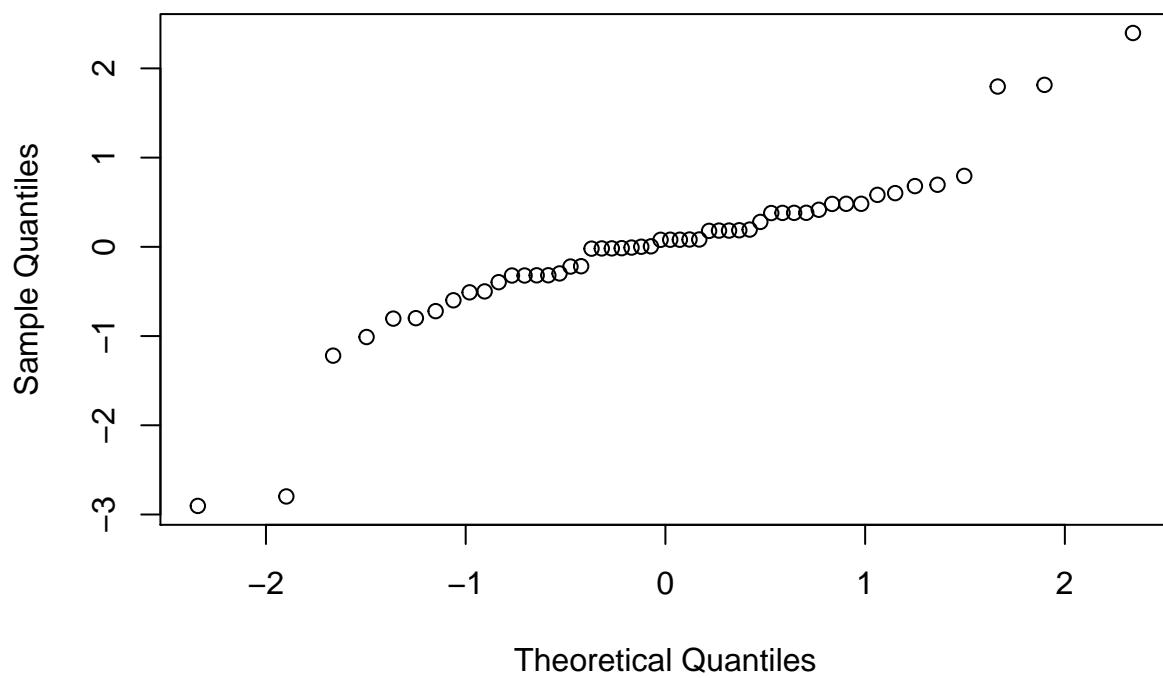
**Plot of PFHX\$orig+  
Plot of PFHX\$origdays.since.MRF  
Plot of PFHX\$origEthnicity**



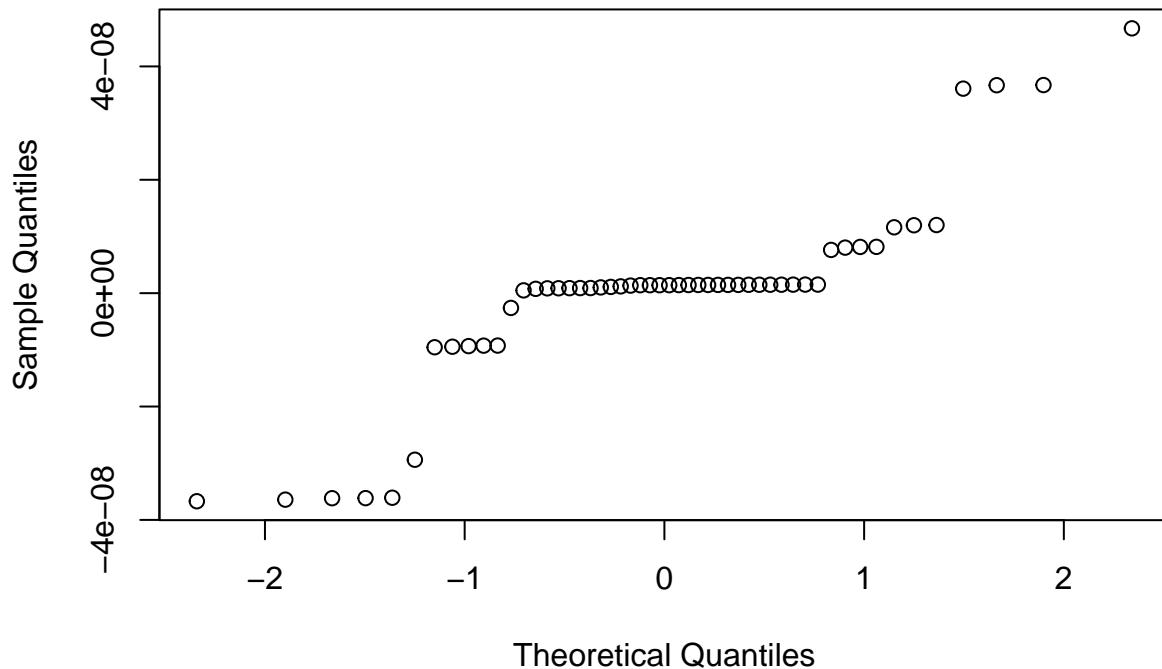
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



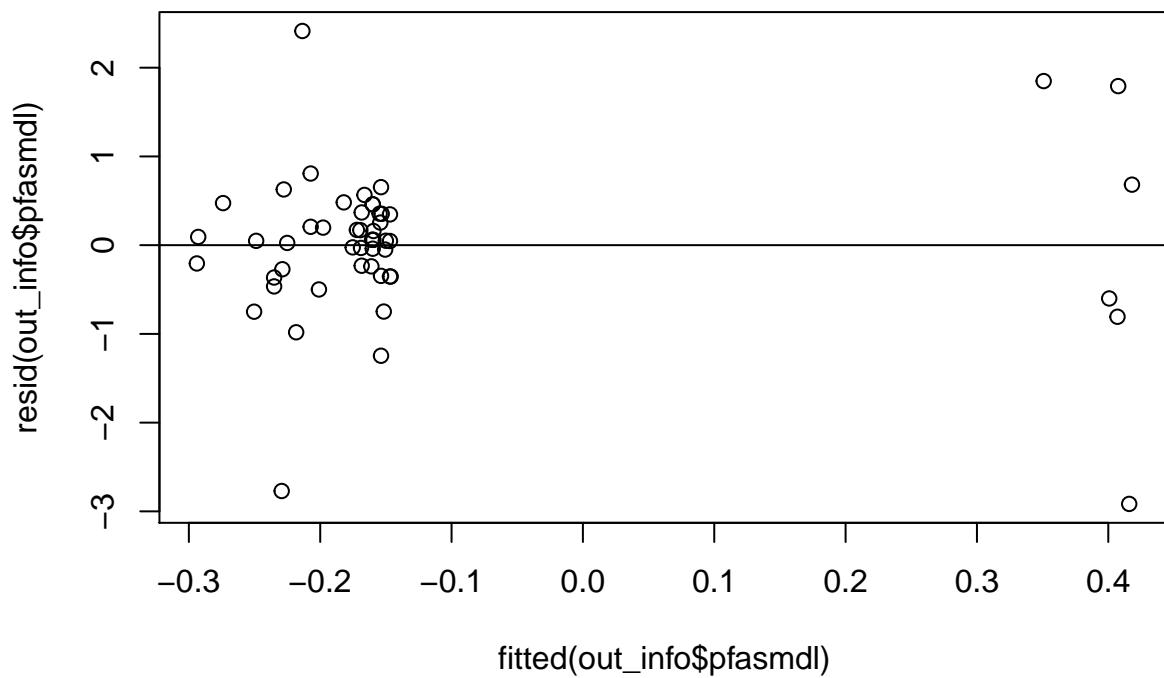
**Normal Q-Q Plot**



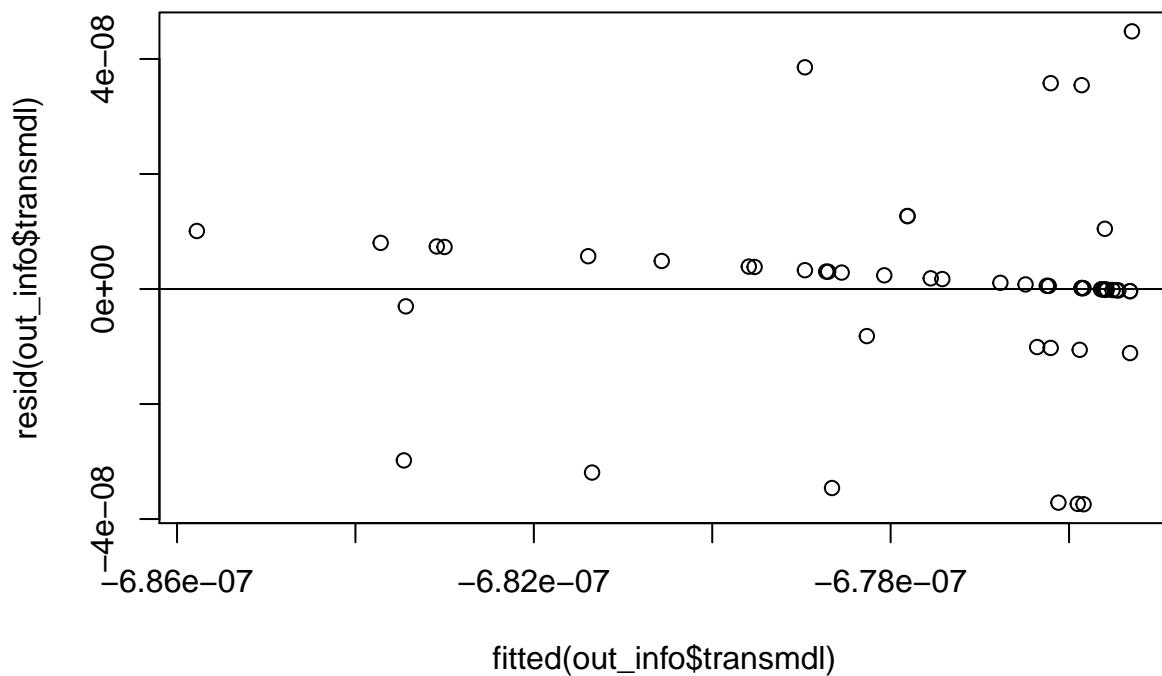
### Normal Q-Q Plot



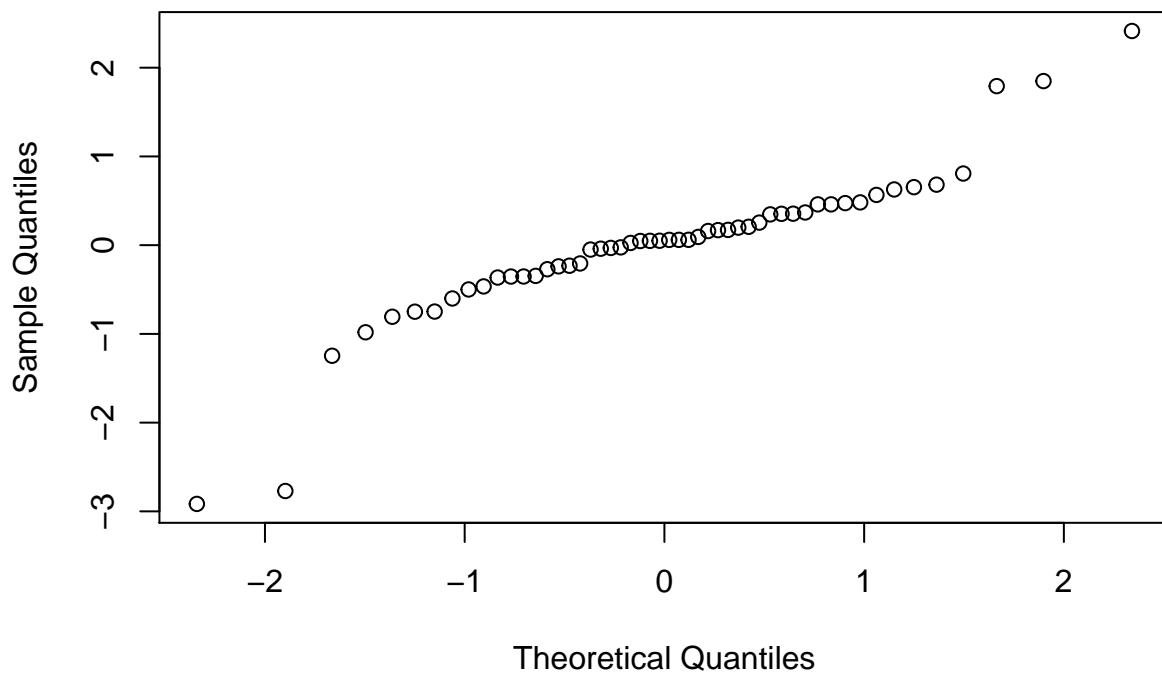
Plot of PFHXSorig+  
Plot of PFHXSorigdays.since.struc.MRF  
Plot of PFHXSorigEthnicity



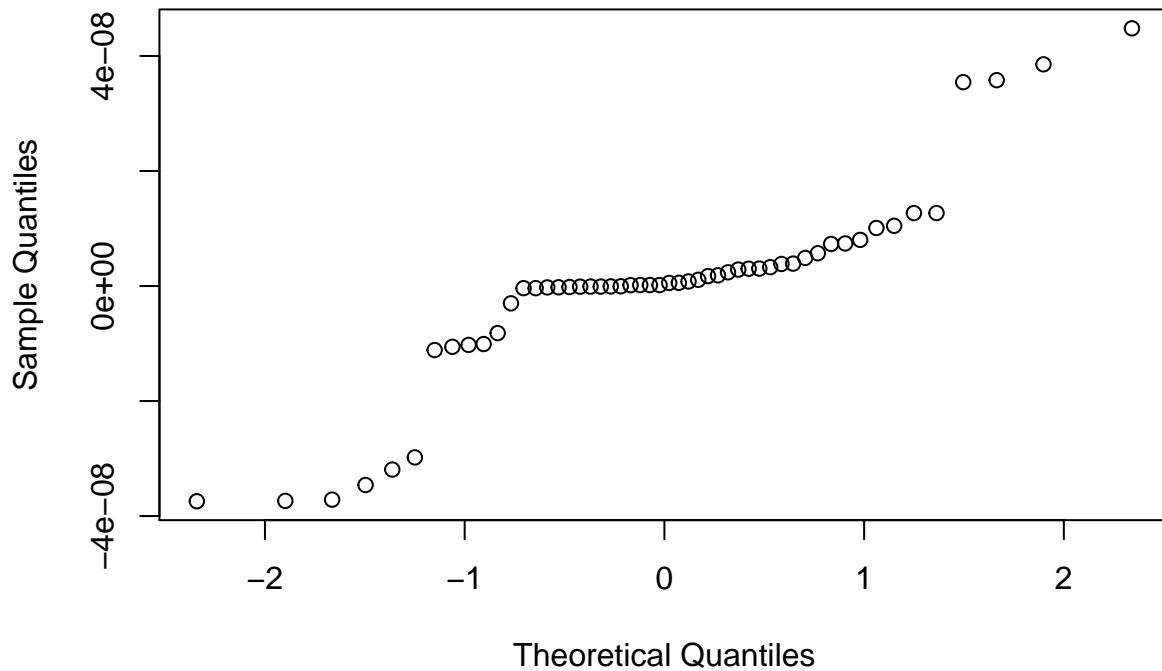
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



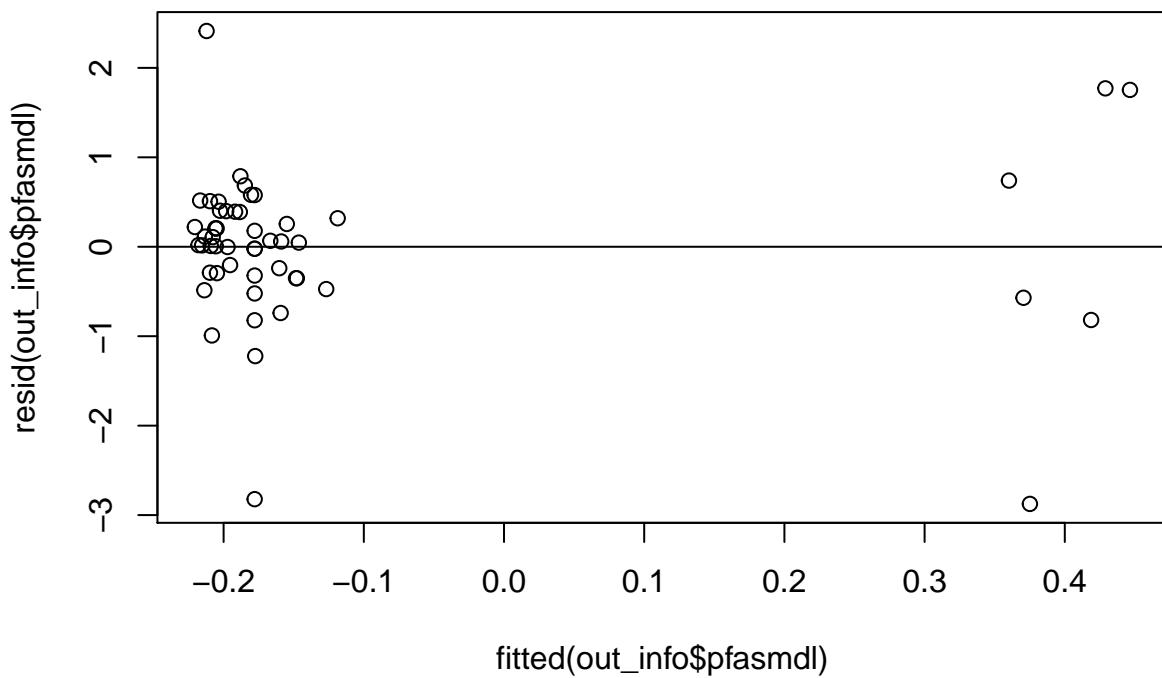
**Normal Q-Q Plot**



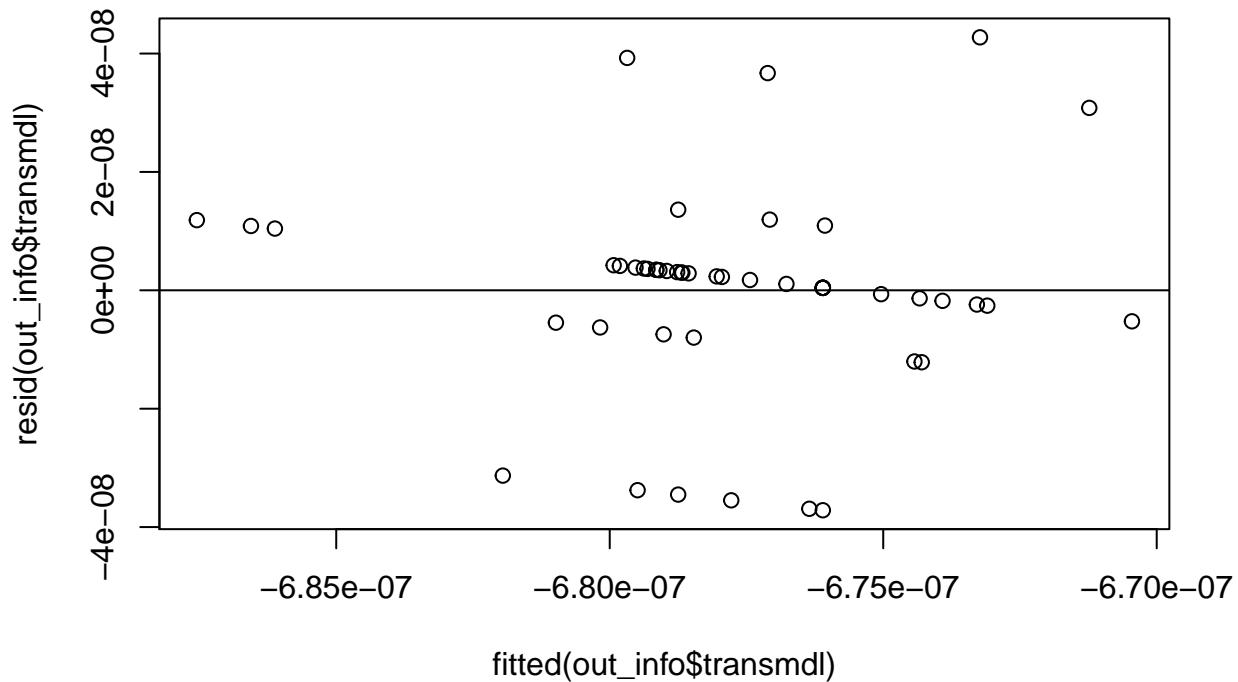
### Normal Q-Q Plot



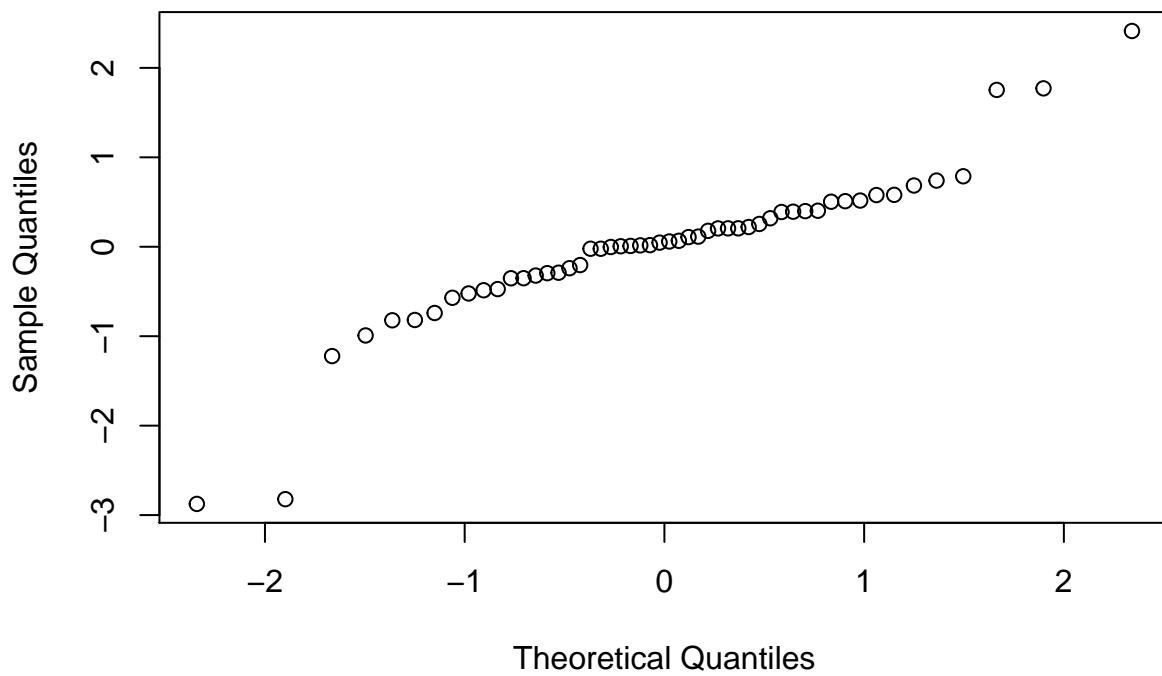
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$time.since.baseline  
Plot of PFHX\$orig\$Ethnicity**



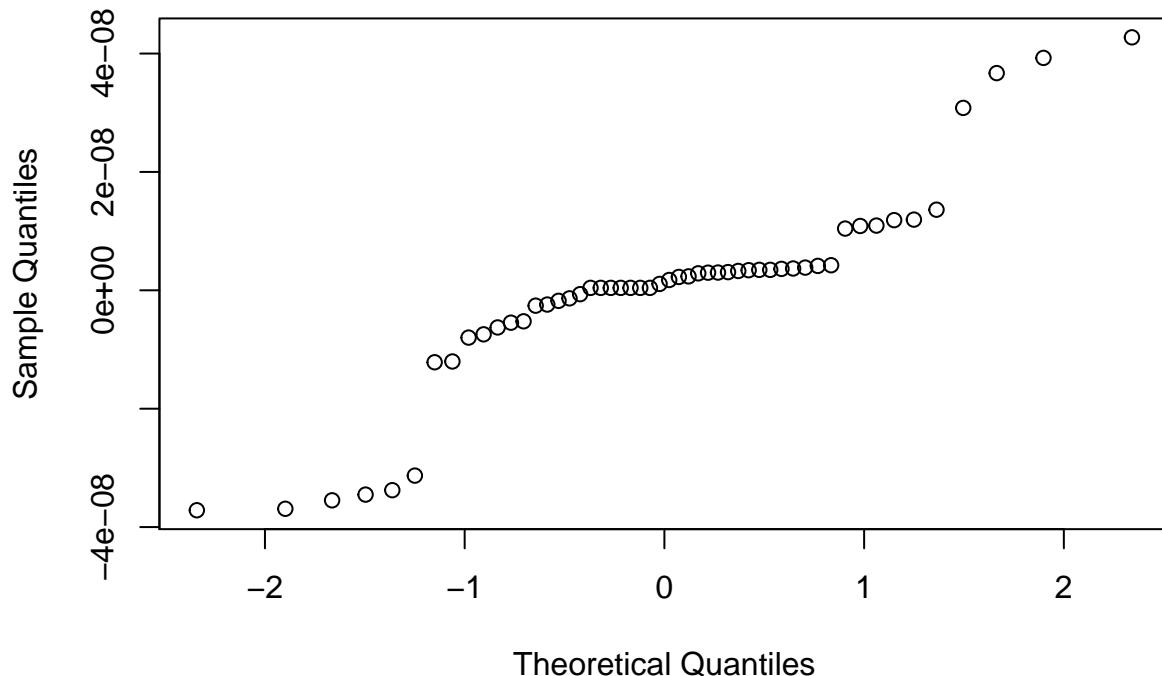
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



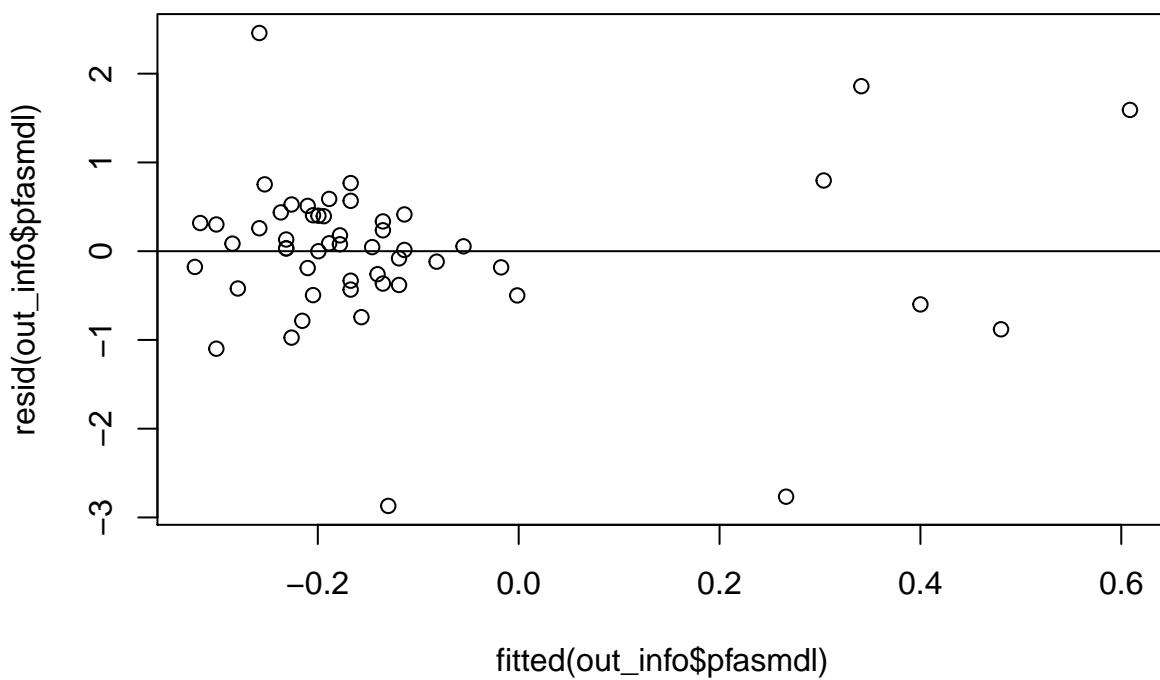
**Normal Q-Q Plot**



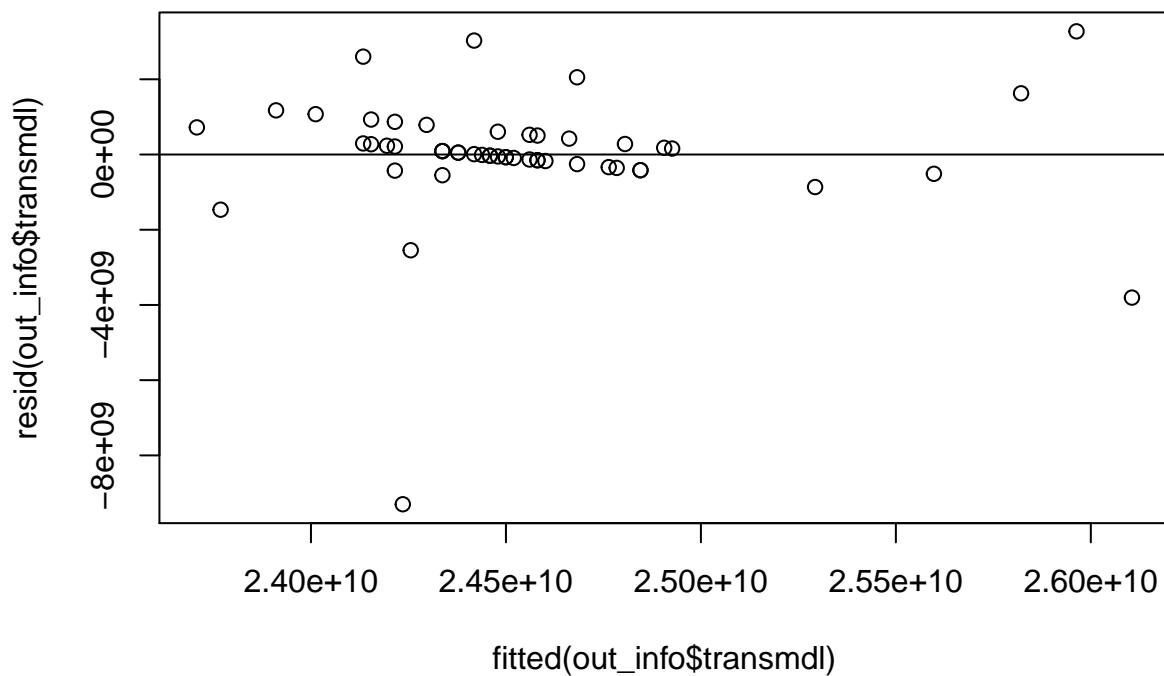
### Normal Q-Q Plot



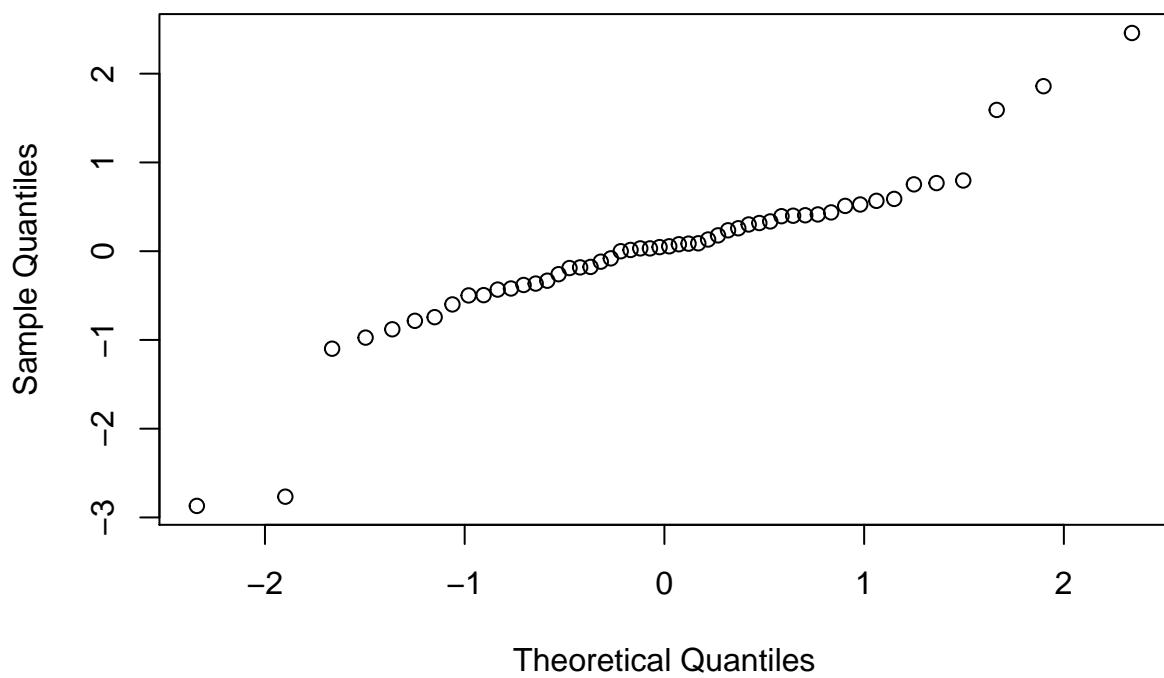
**Plot of PFHX\$orig+  
Plot of PFHX\$origtotal.num.fireruns  
Plot of PFHX\$origEthnicity**



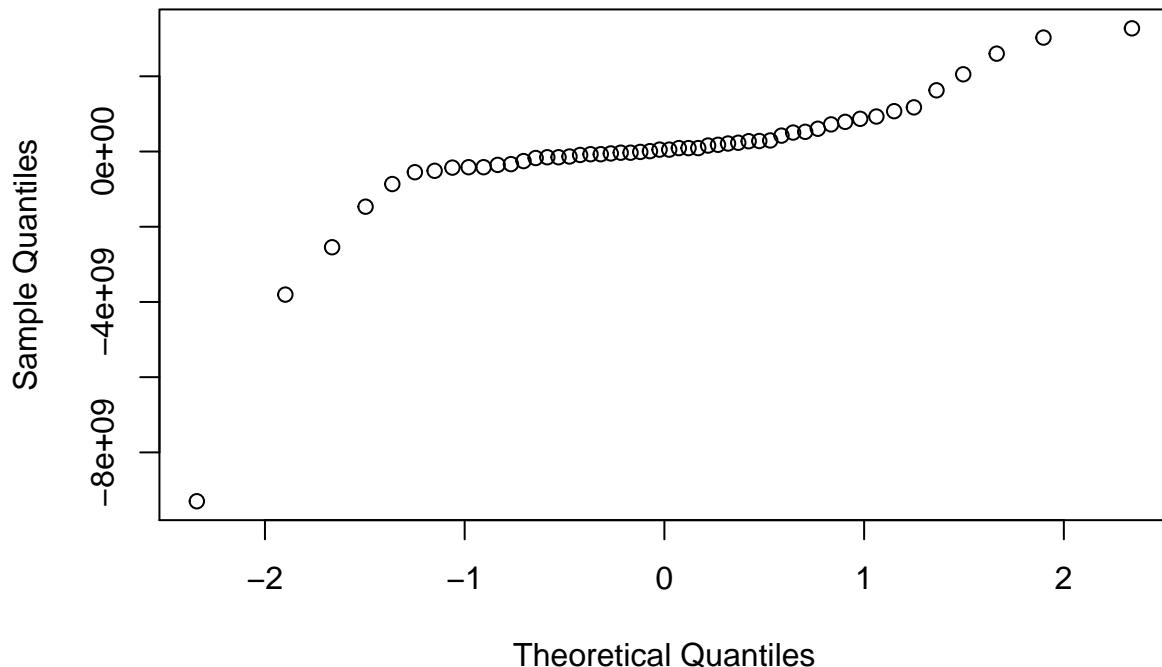
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



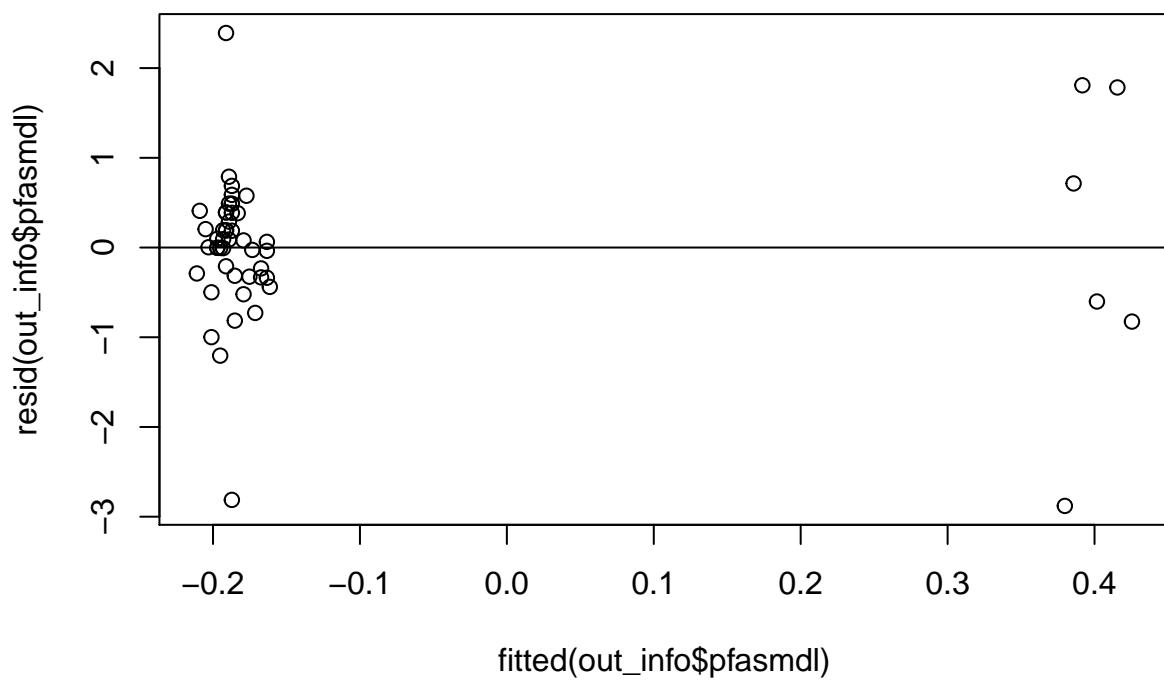
**Normal Q-Q Plot**



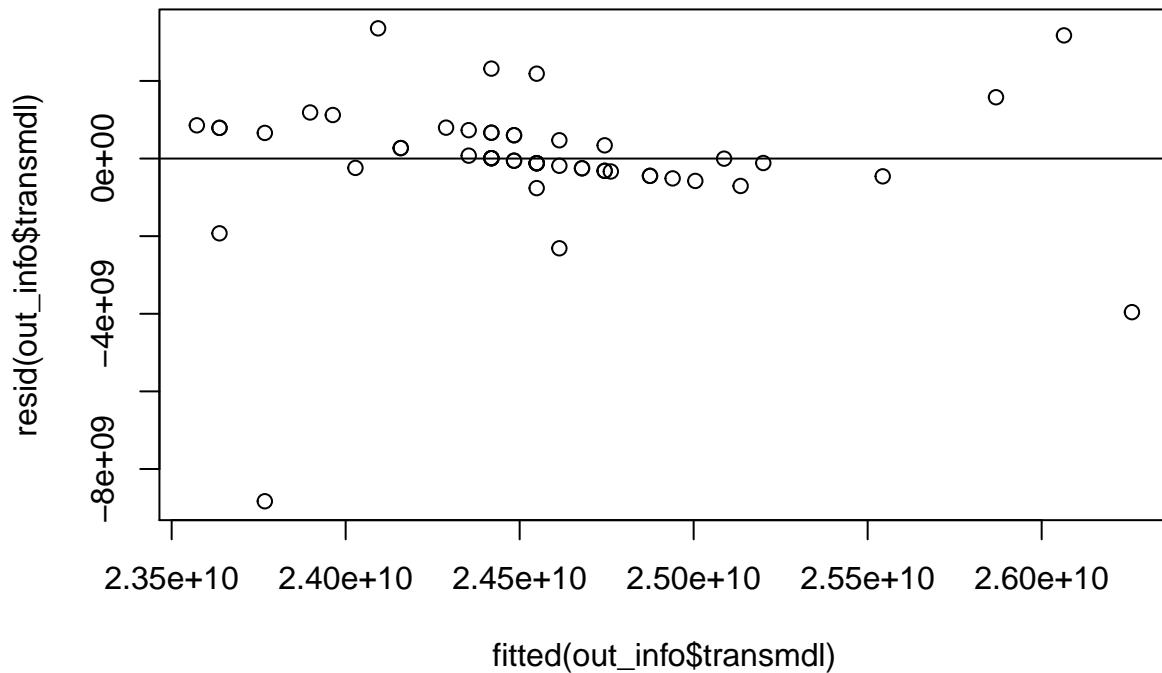
### Normal Q-Q Plot



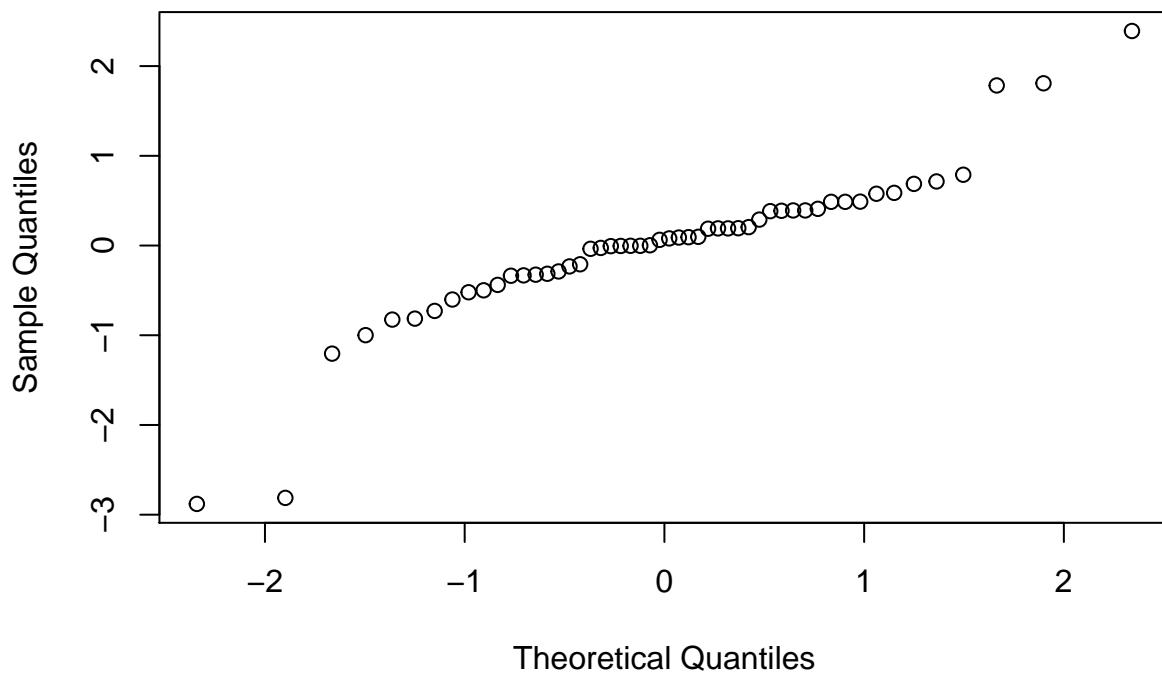
**Plot of PFHX\$orig+  
Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



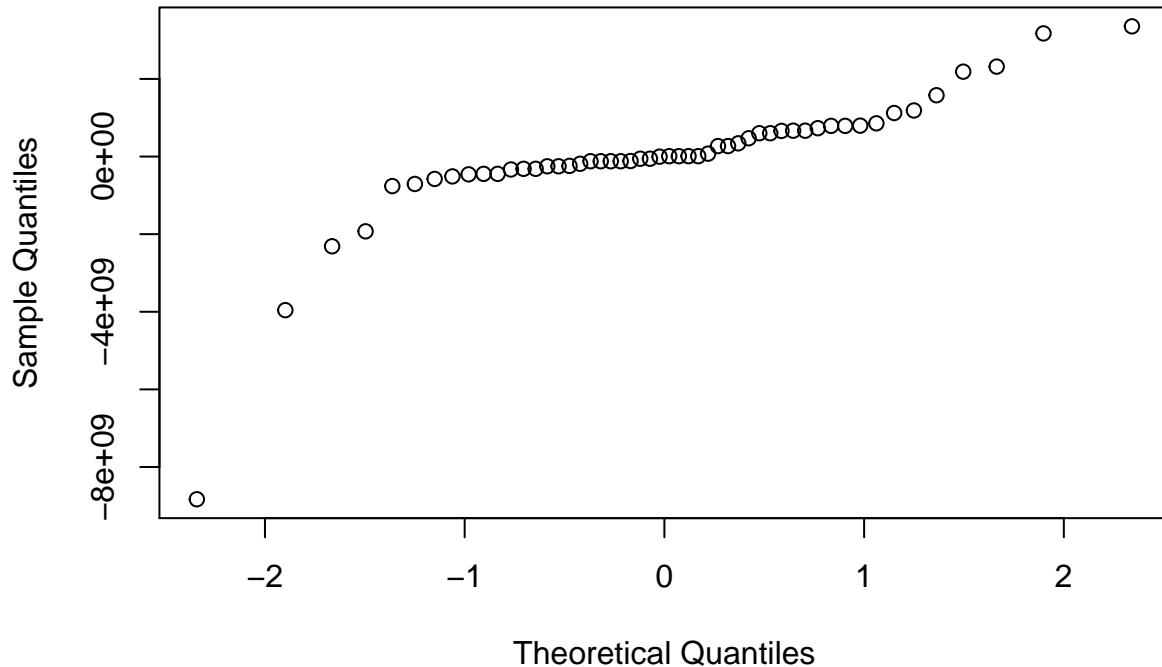
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



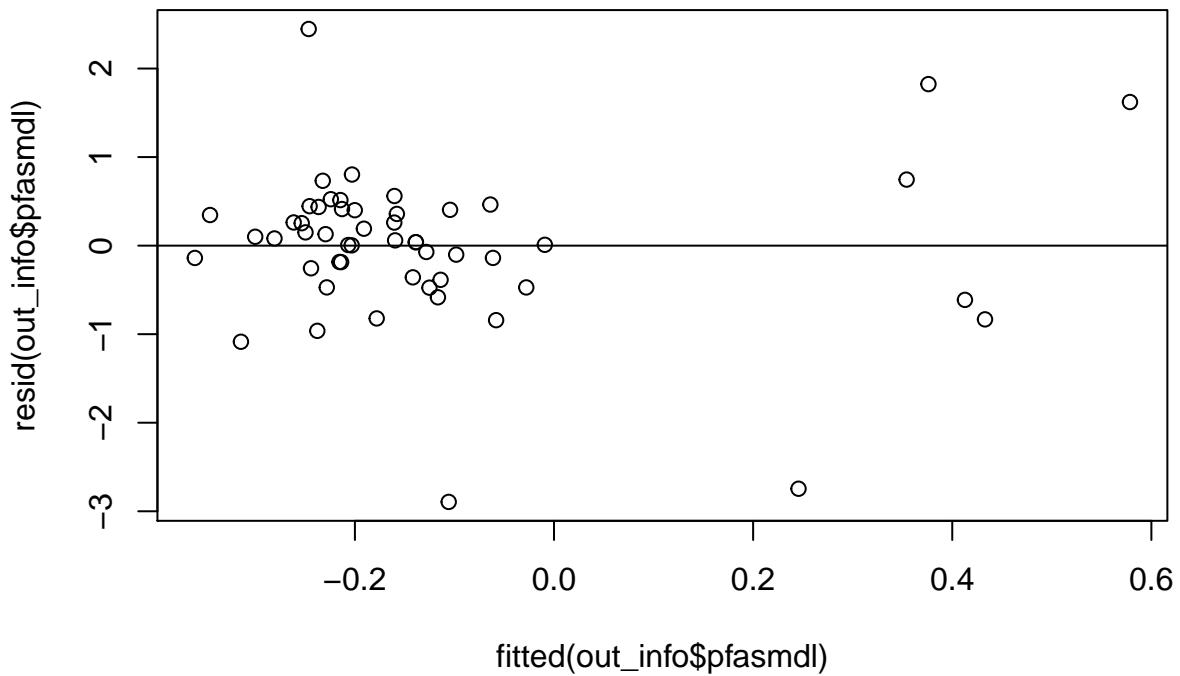
**Normal Q-Q Plot**



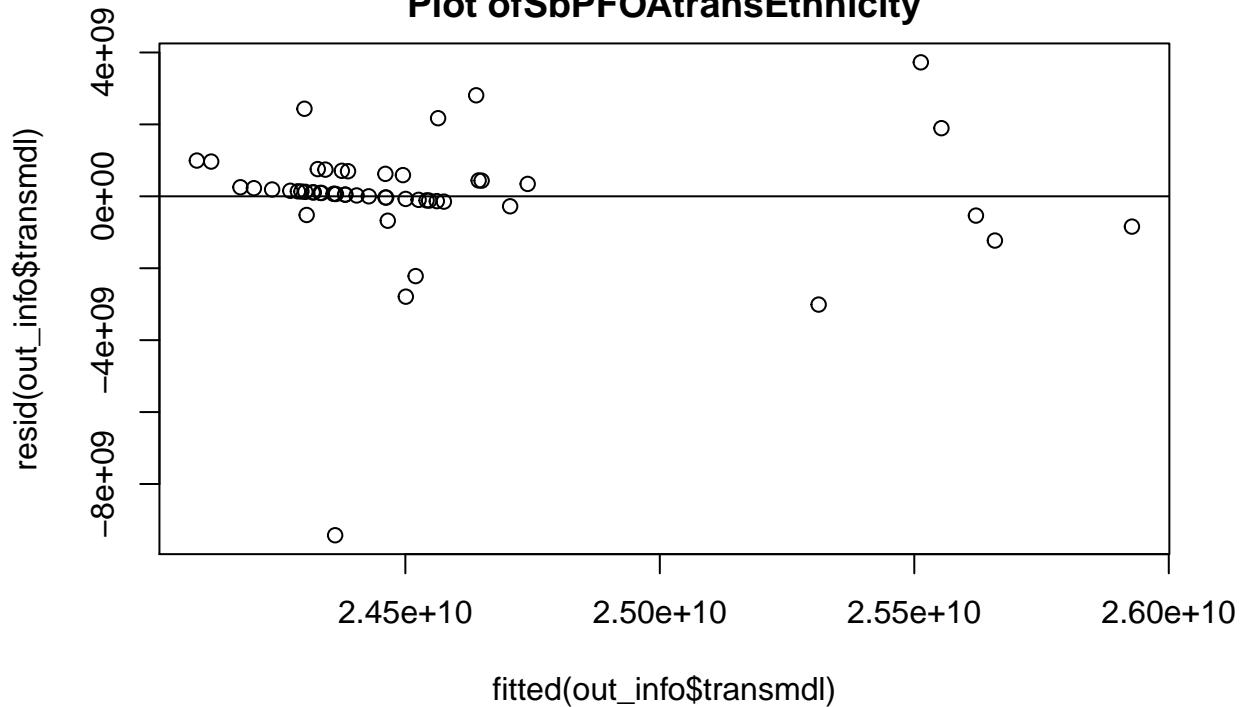
### Normal Q-Q Plot



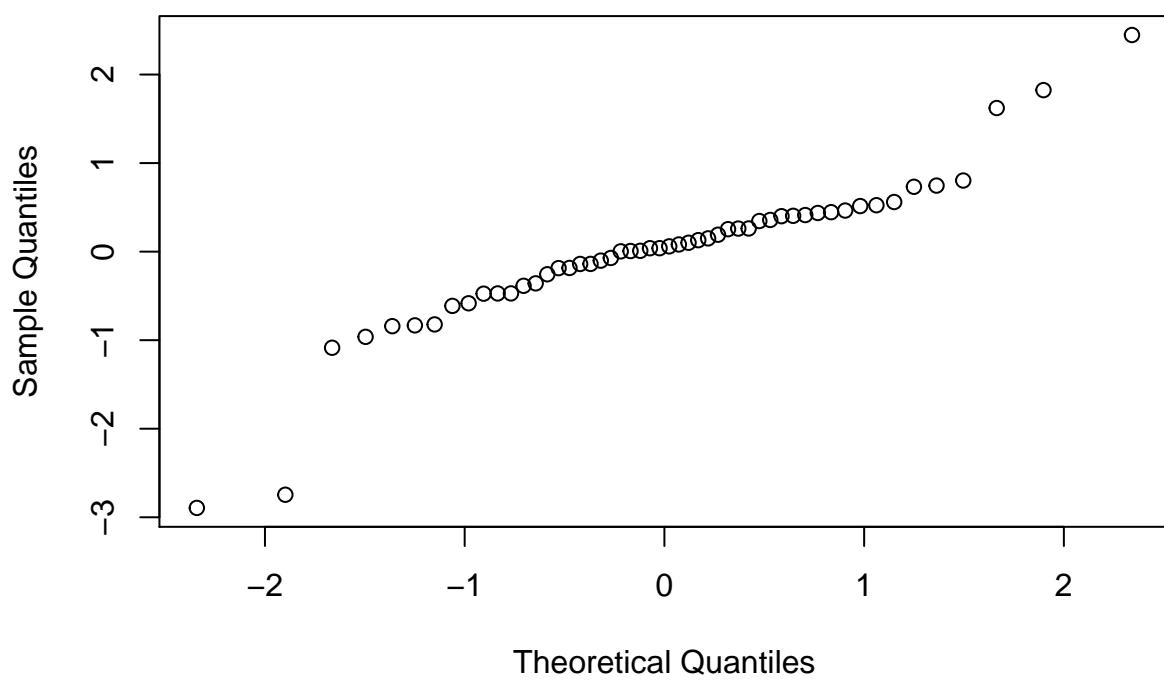
**Plot of PFHX\$orig +  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity**

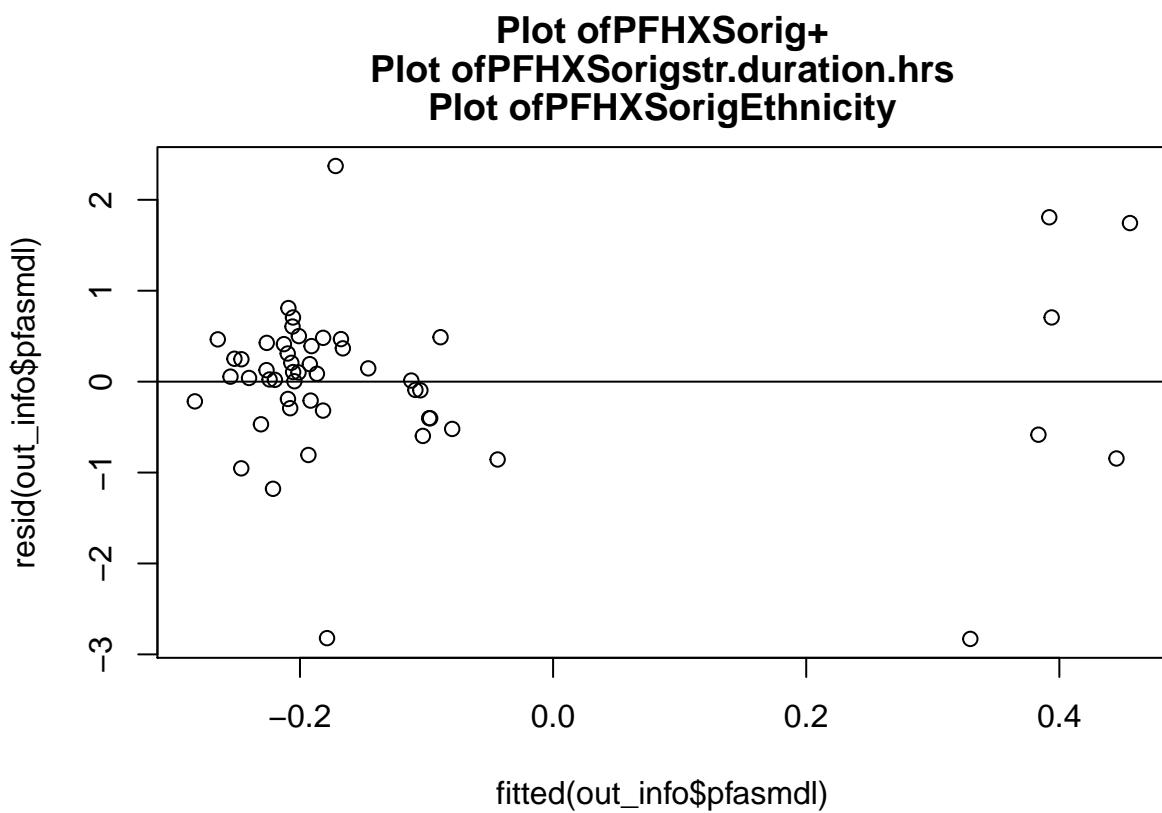
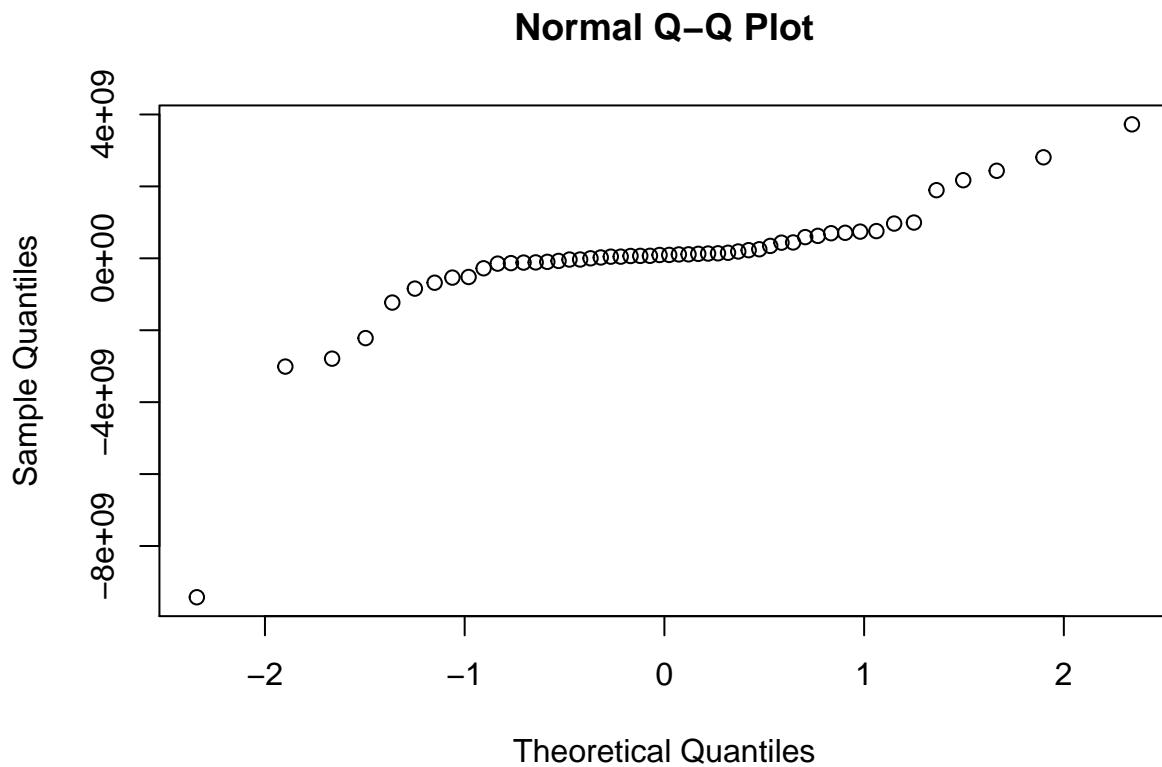


**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**

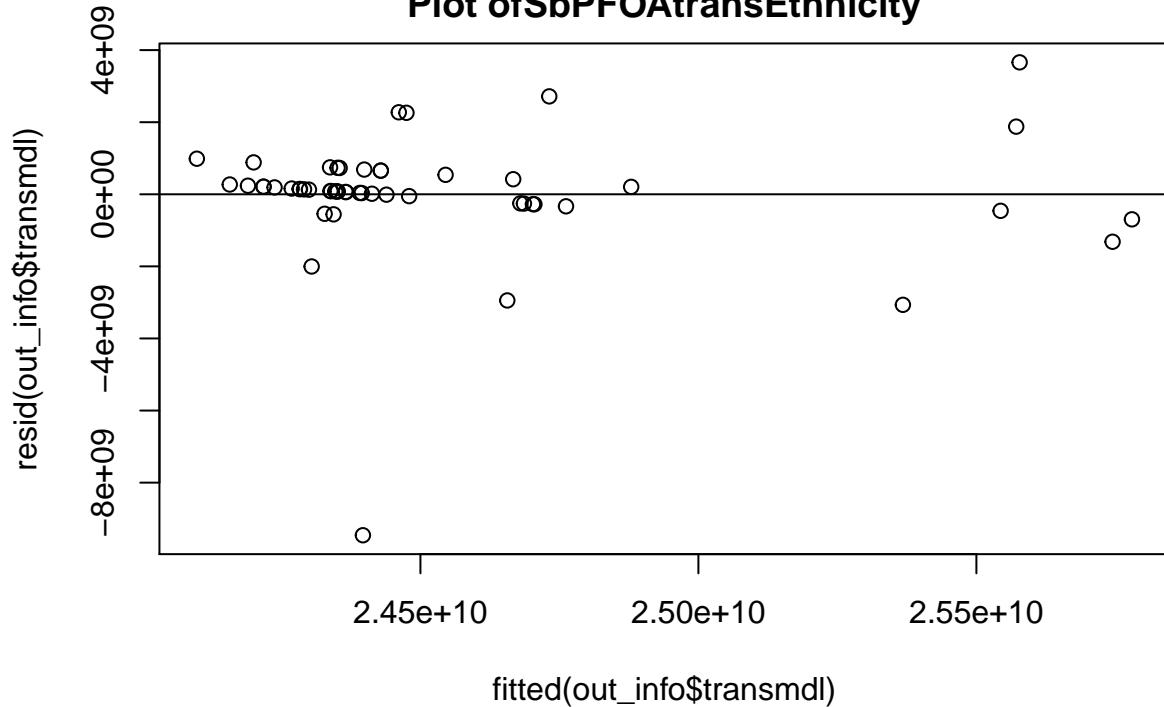


**Normal Q-Q Plot**

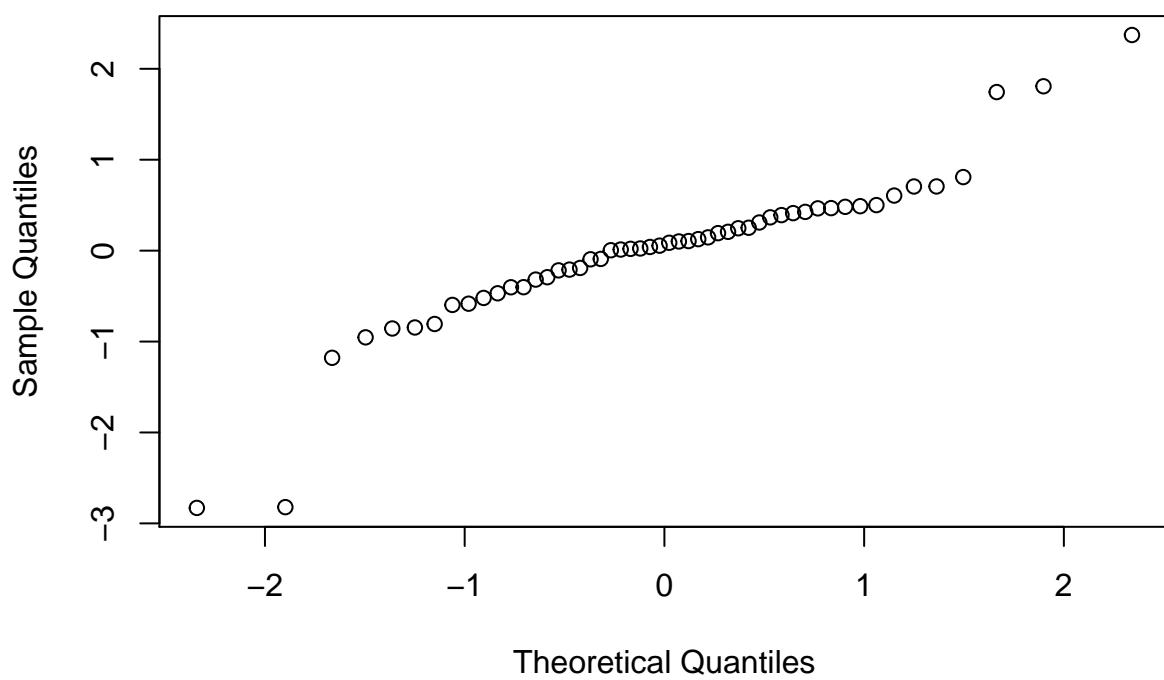


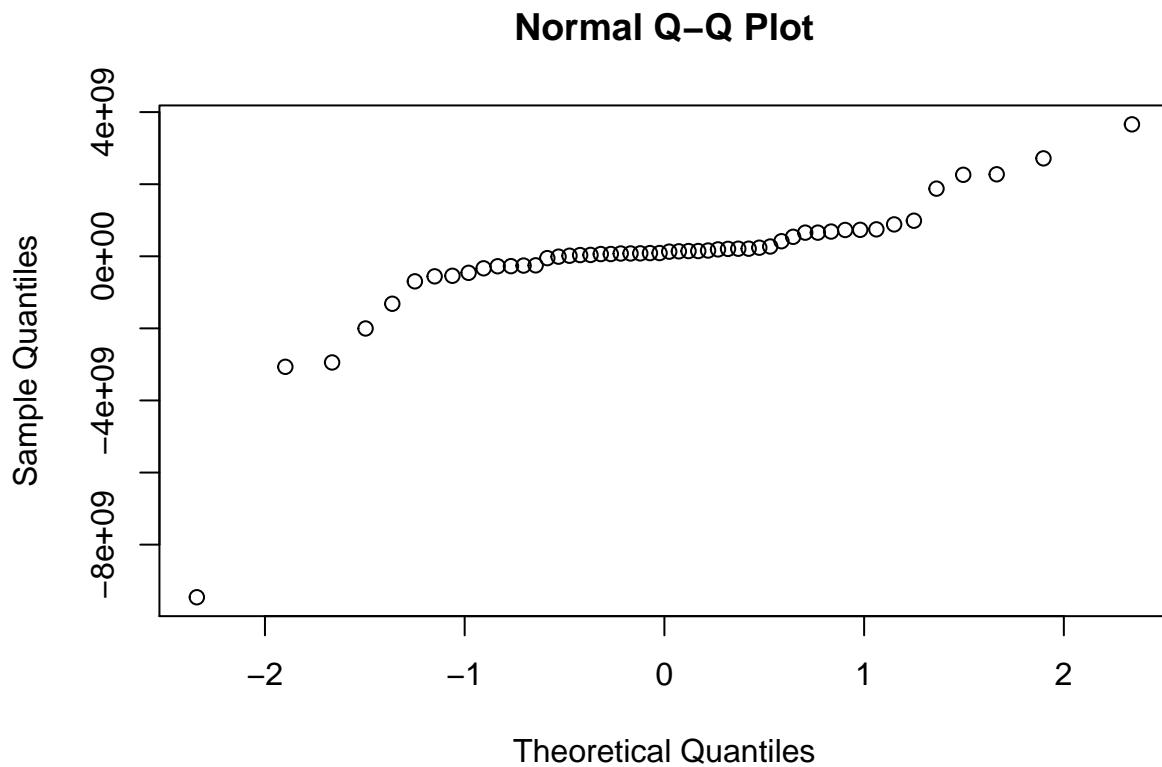


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

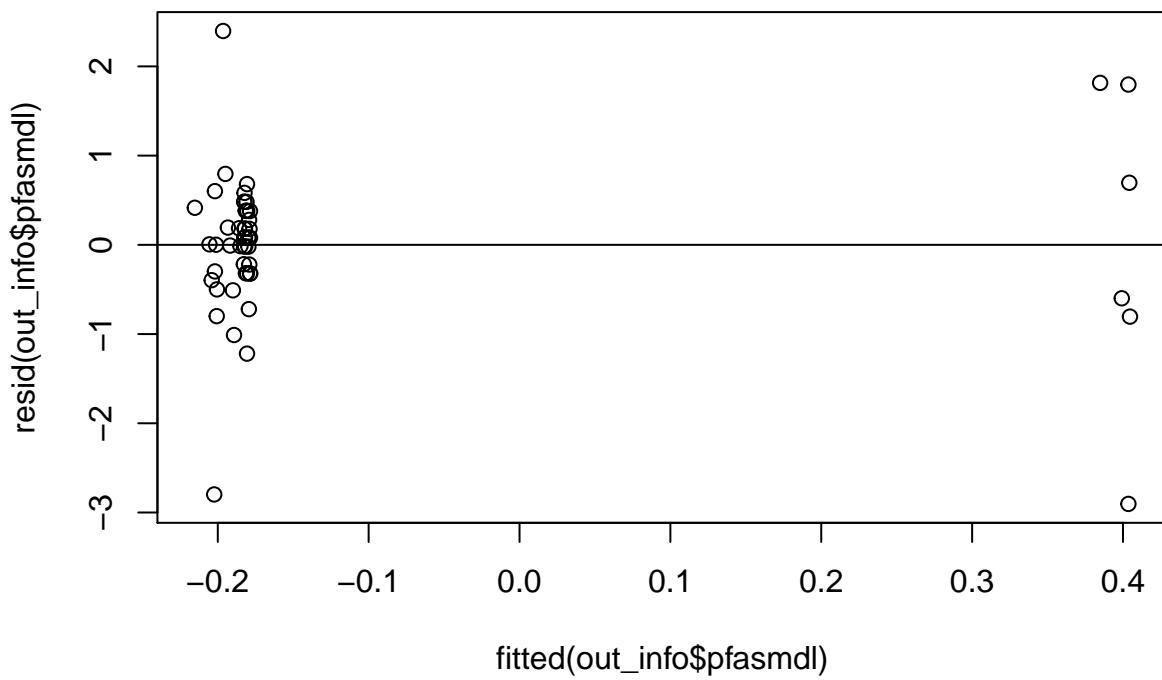


**Normal Q-Q Plot**

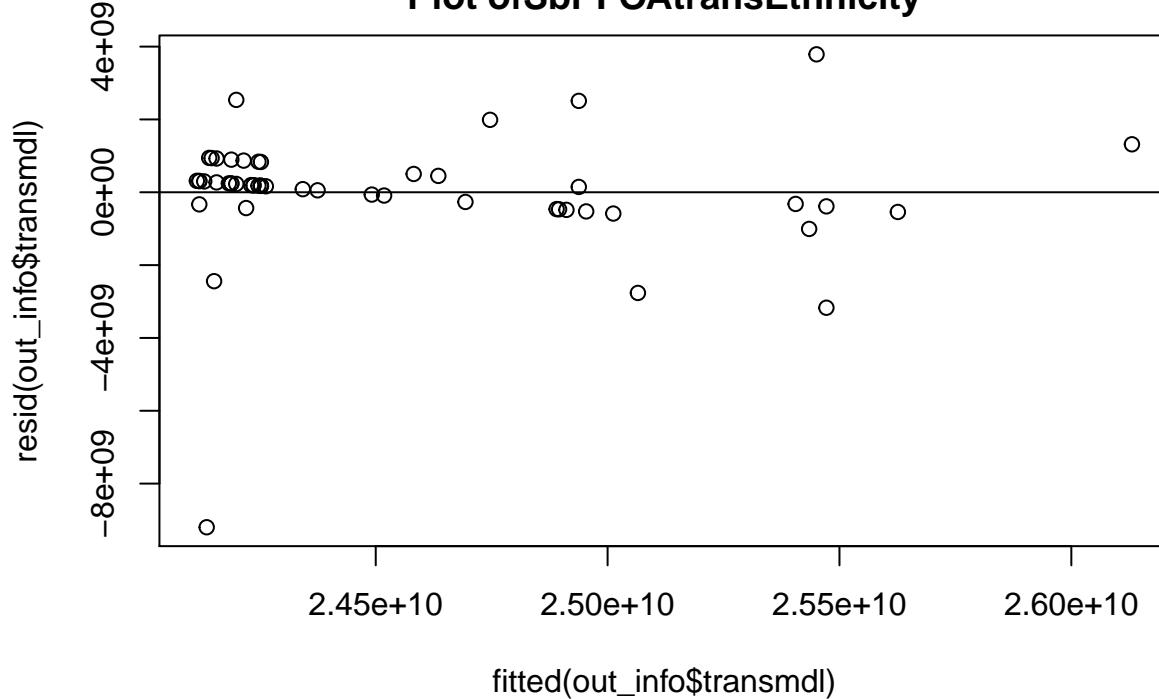




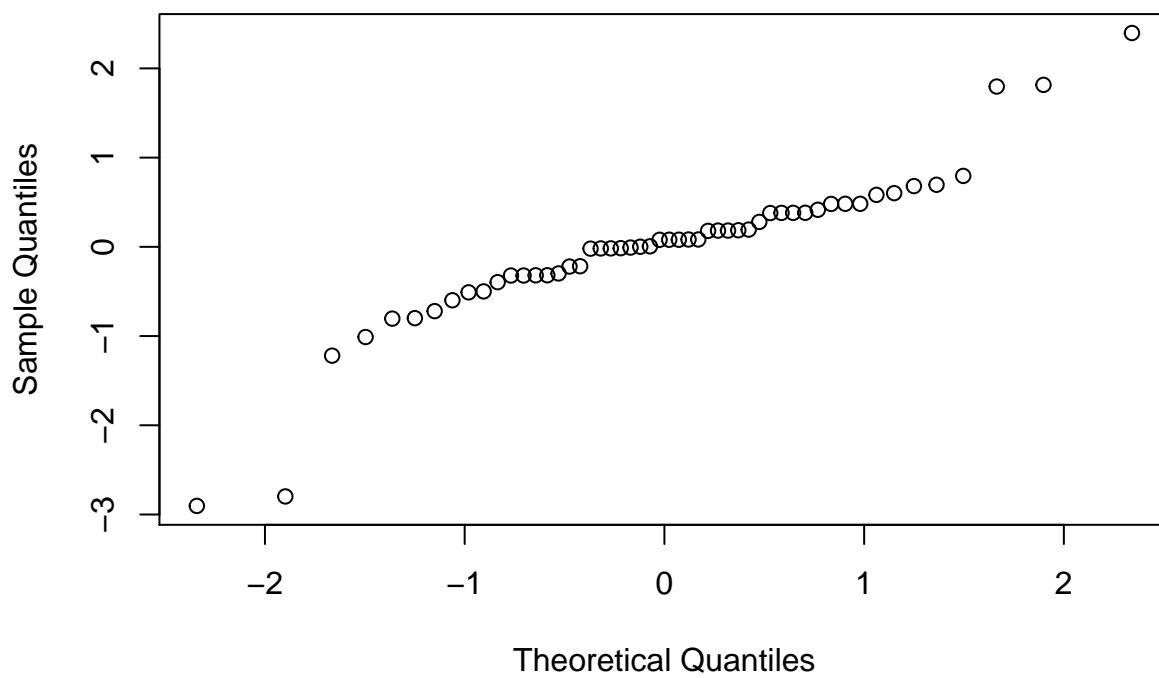
**Plot of PFHX\$orig +**  
**Plot of PFHX\$origdays.since.MRF**  
**Plot of PFHX\$origEthnicity**

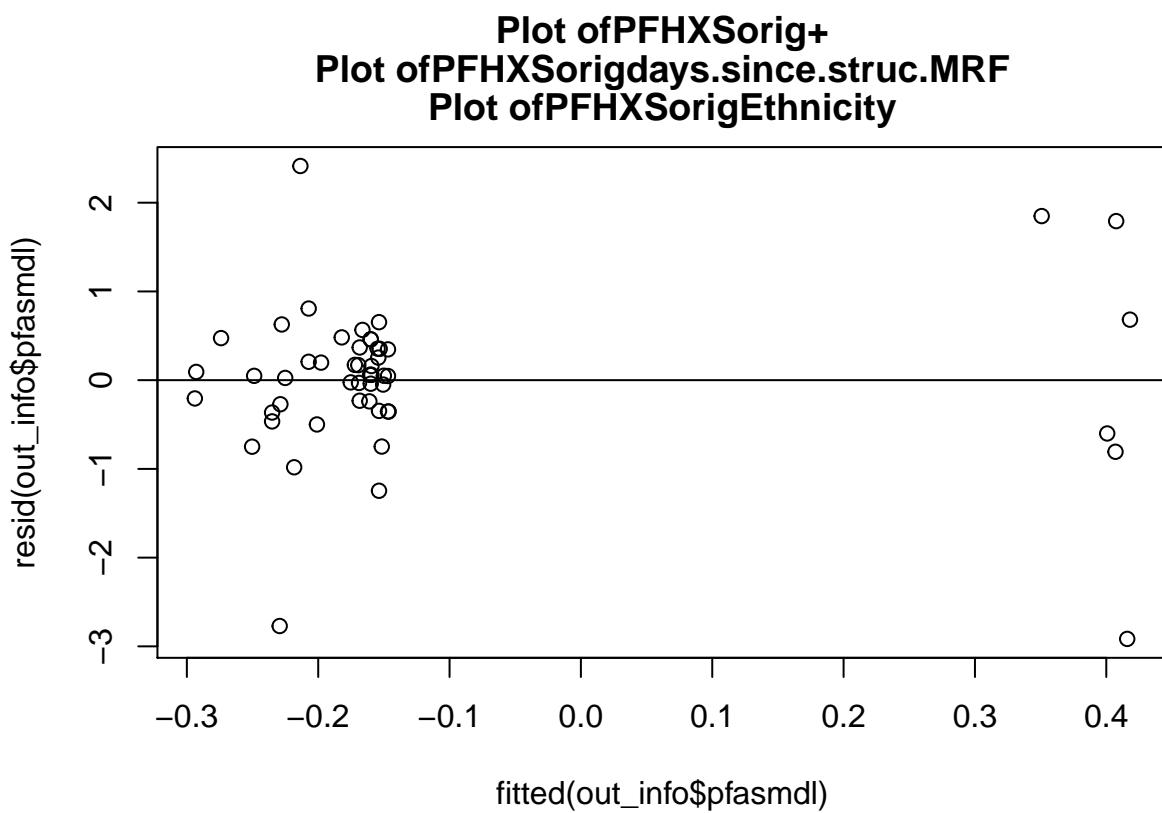
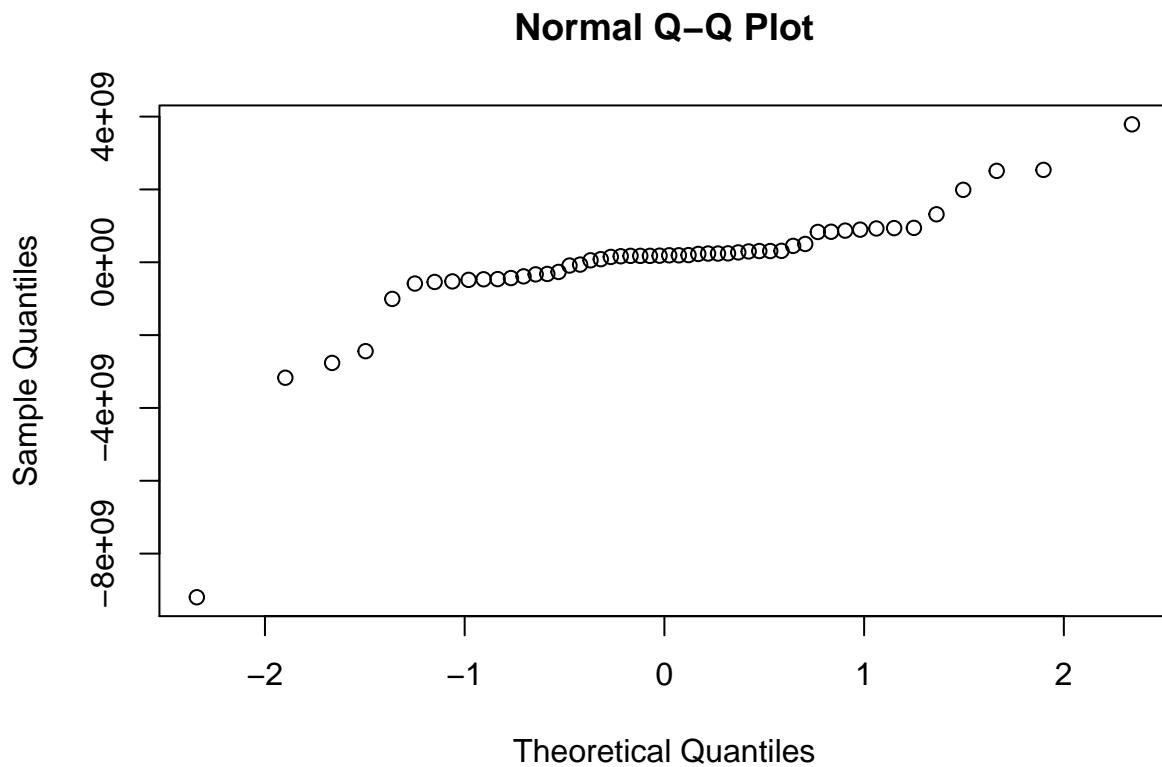


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

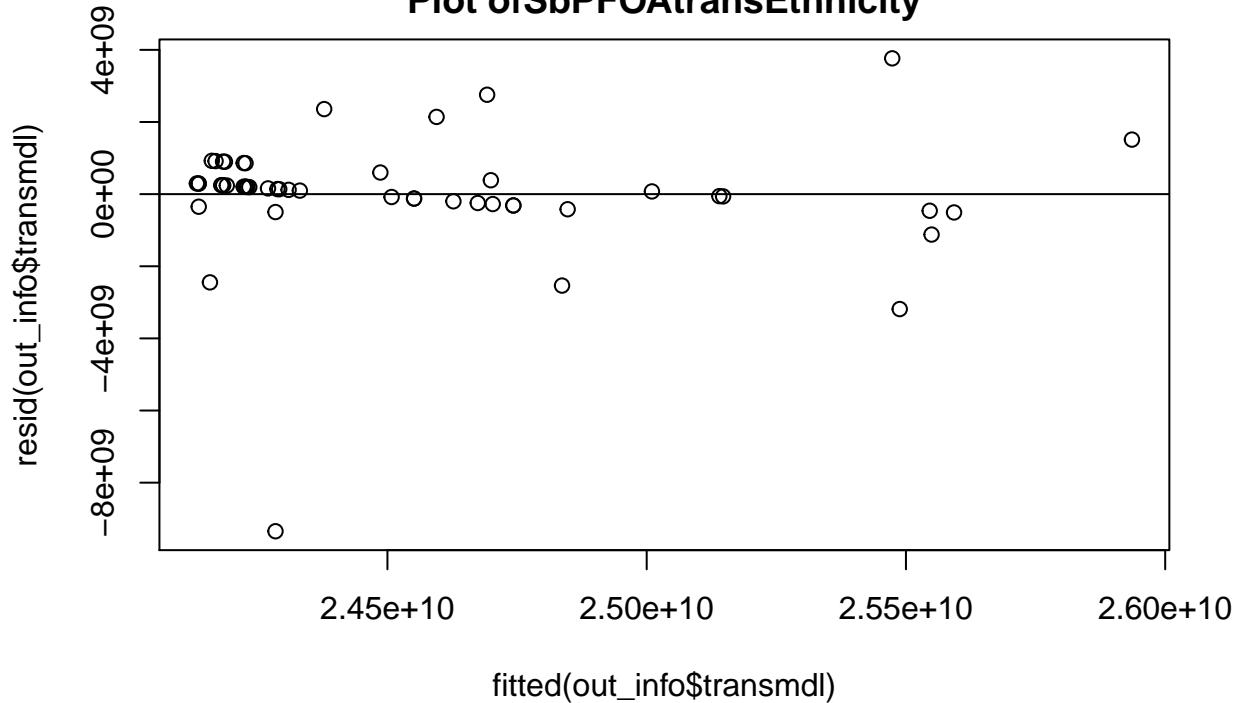


**Normal Q-Q Plot**

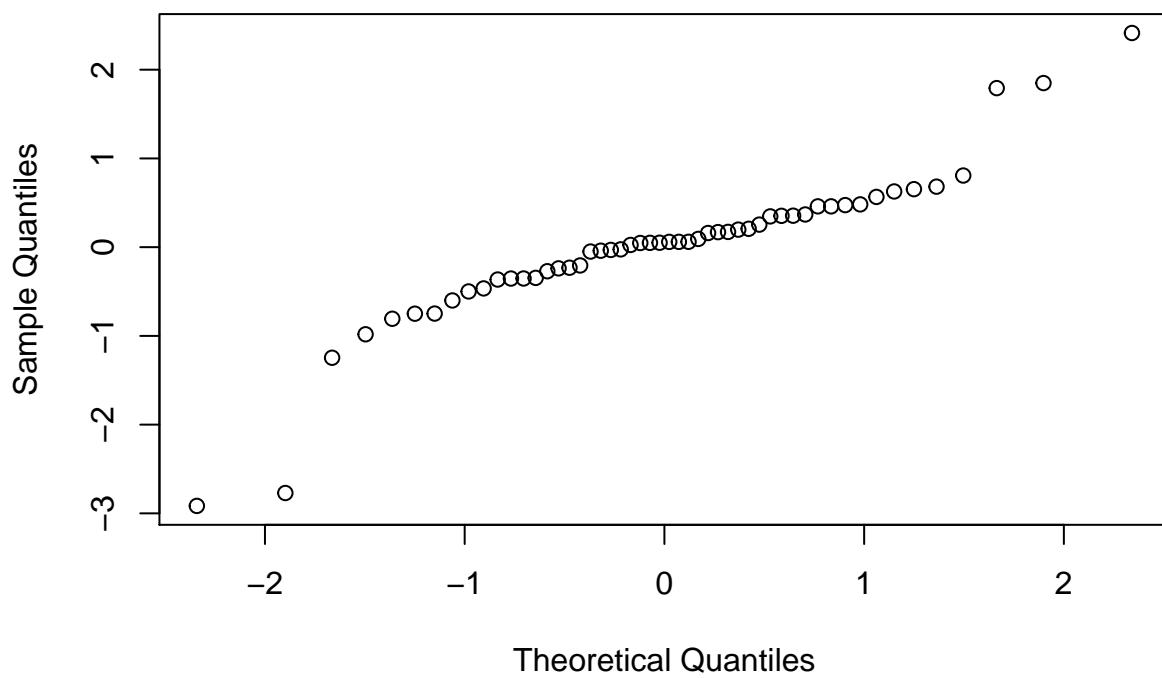


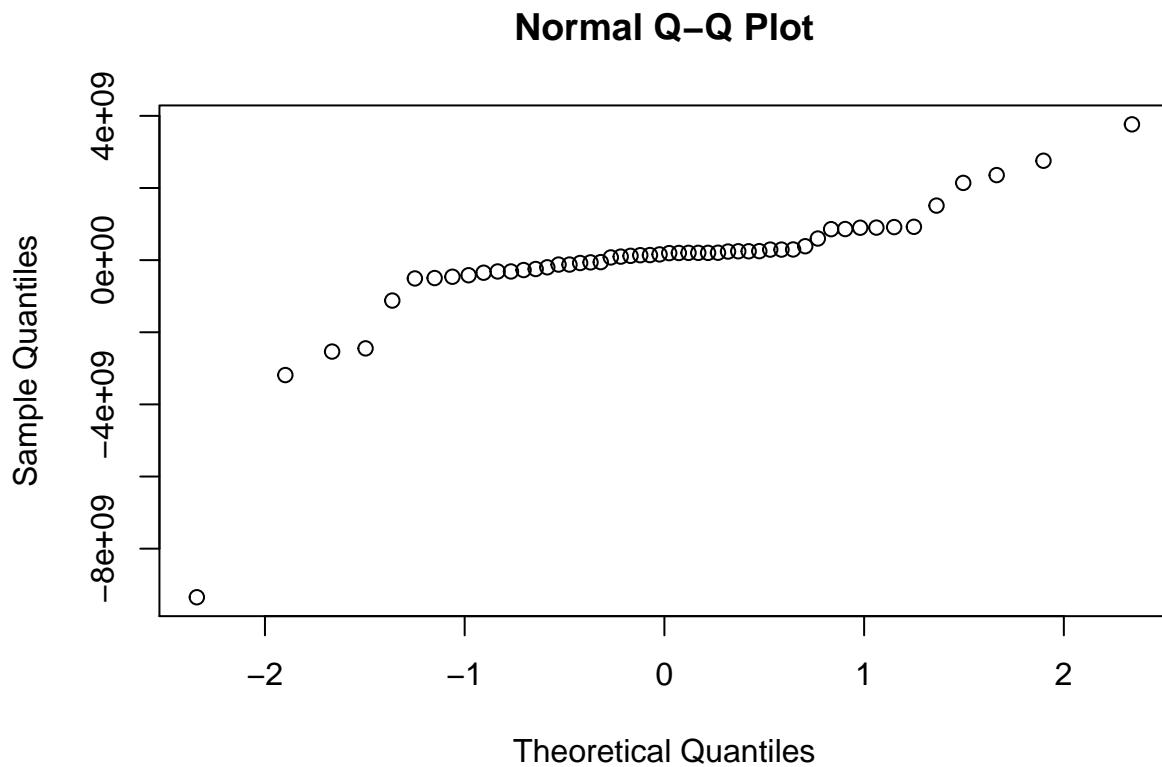


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**

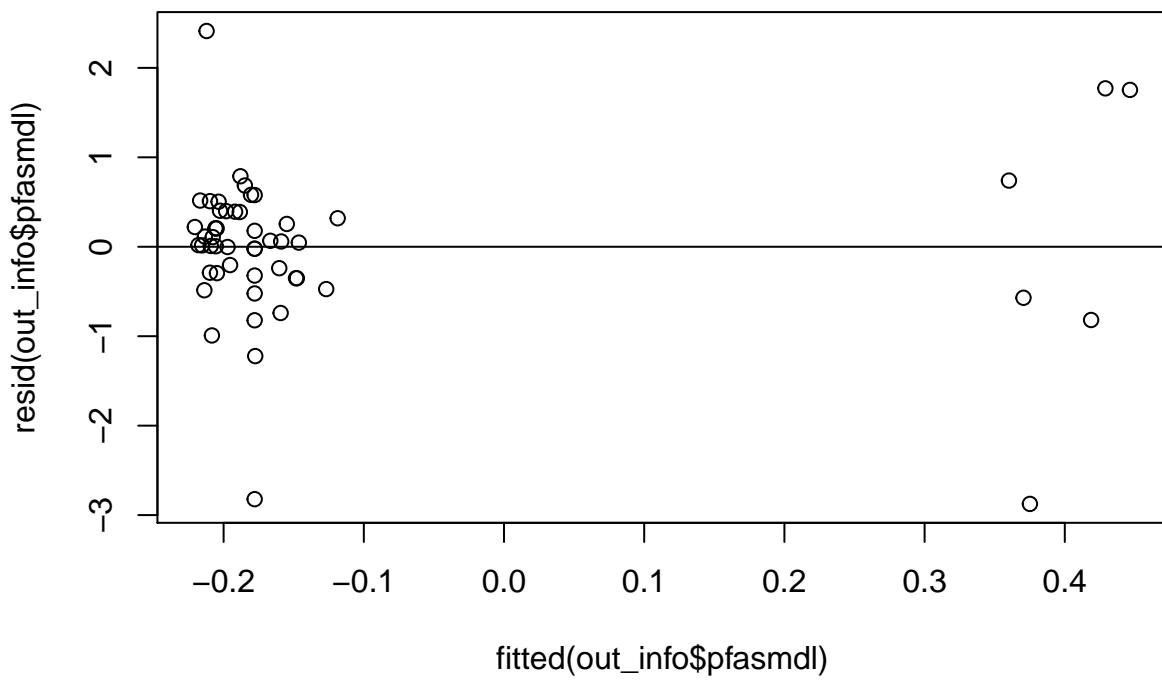


**Normal Q-Q Plot**

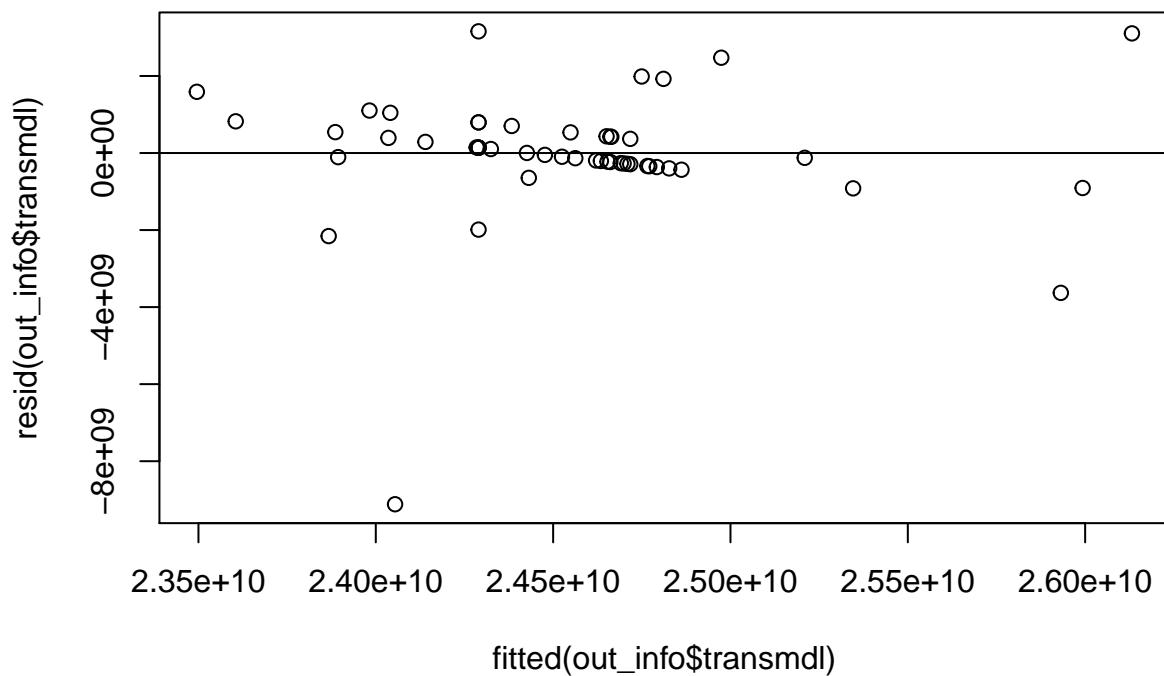




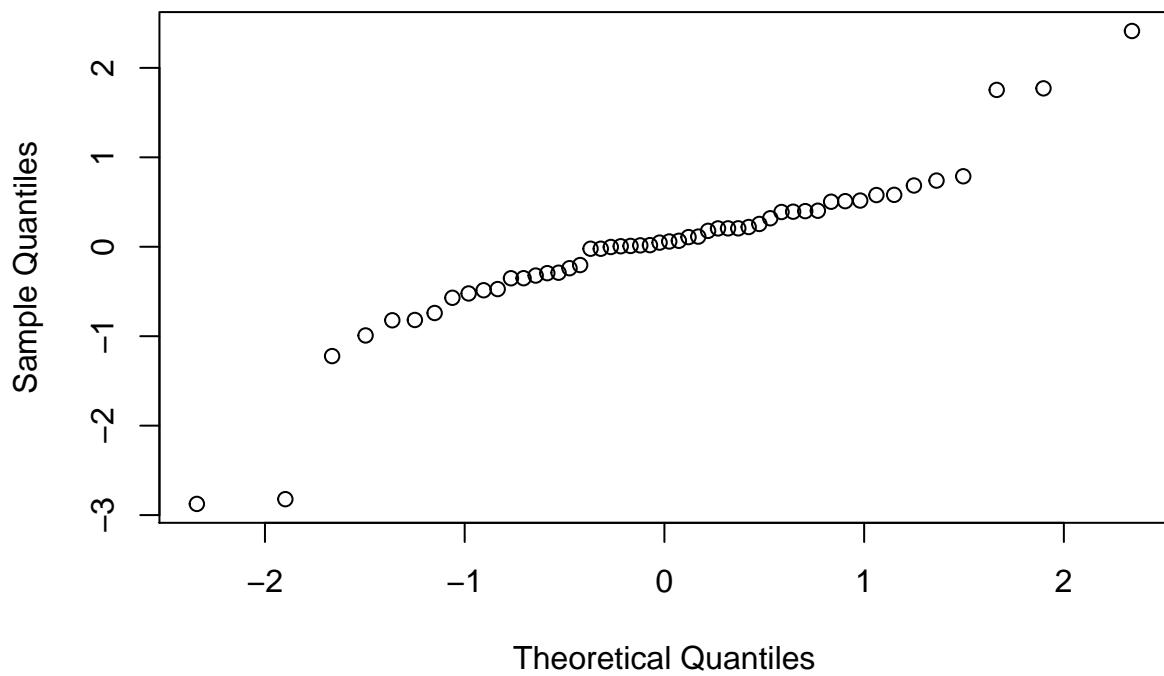
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$time.since.baseline  
Plot of PFHX\$orig\$Ethnicity**



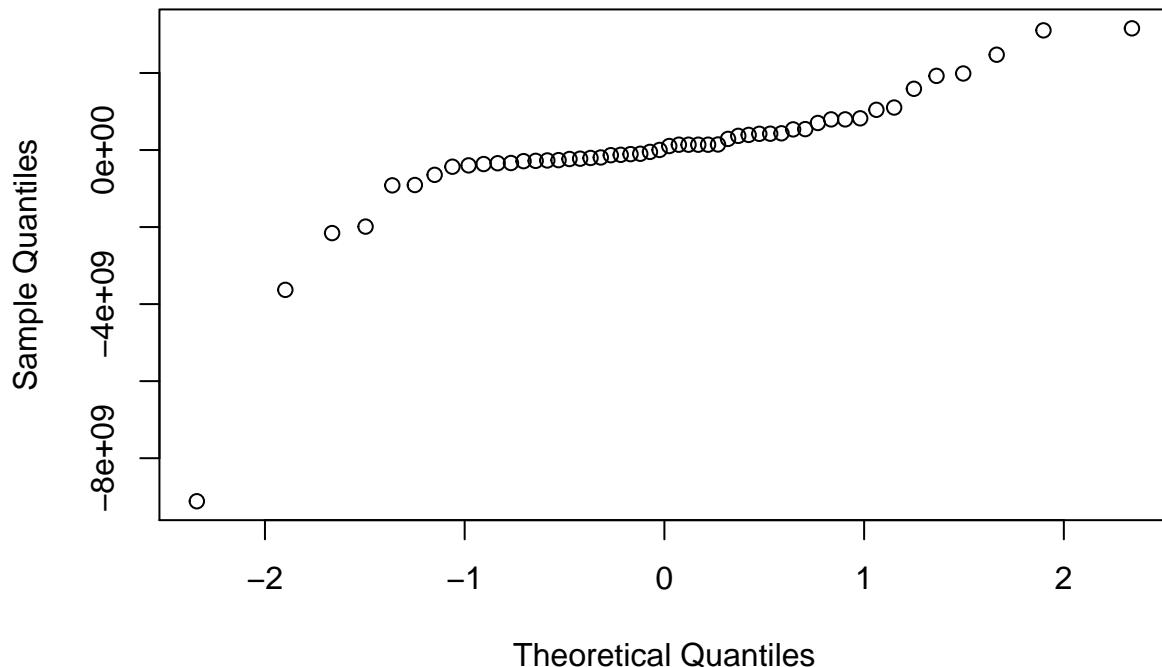
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



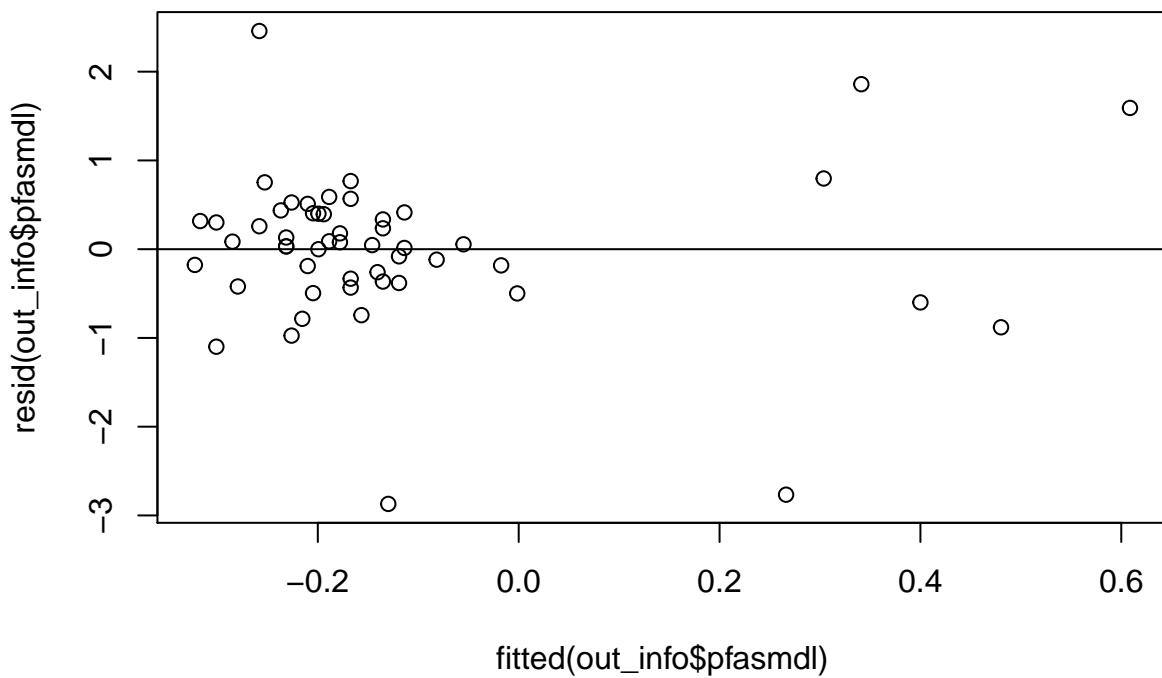
**Normal Q-Q Plot**



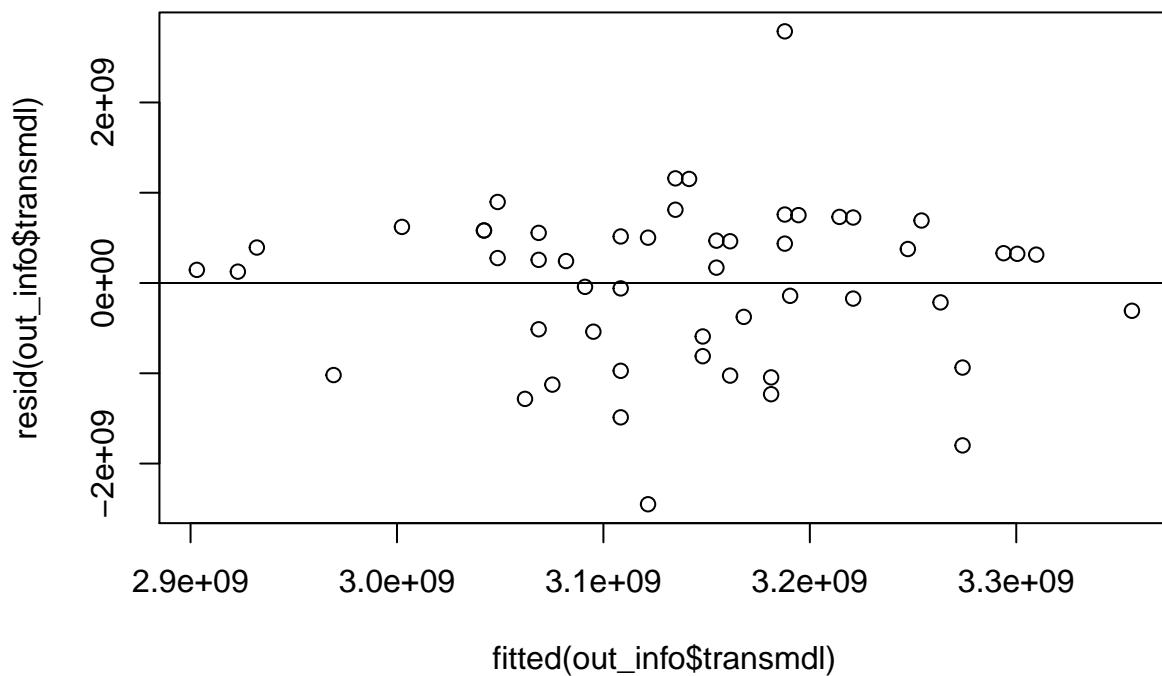
### Normal Q-Q Plot



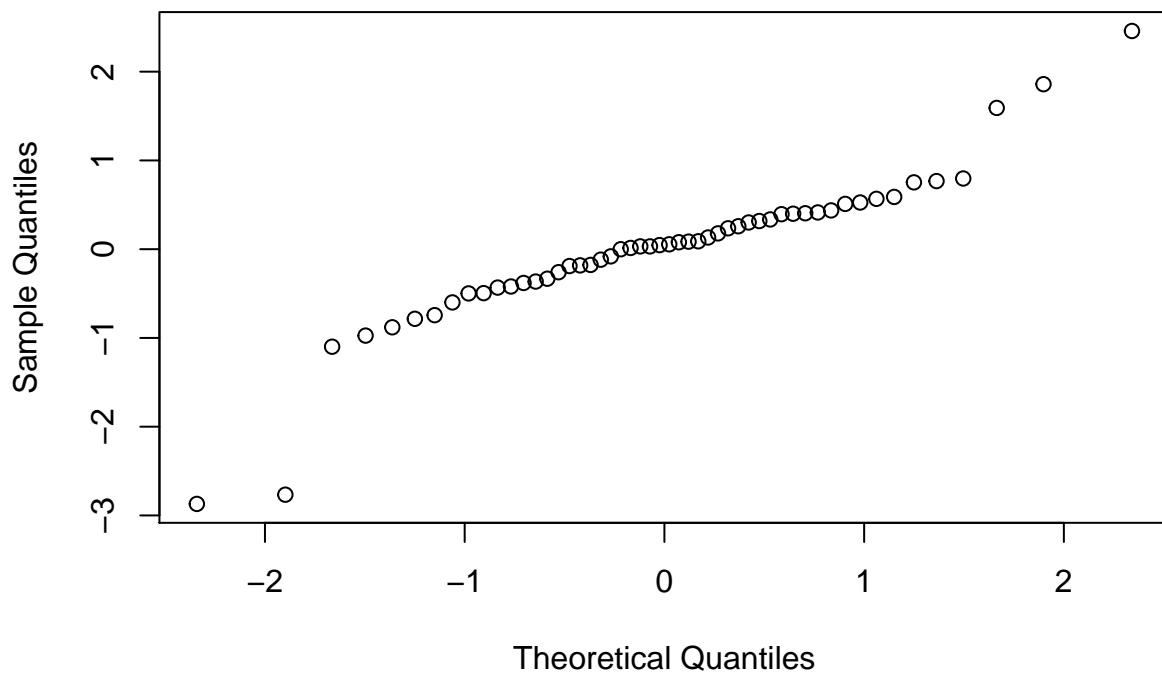
**Plot of PFHX\$orig+  
Plot of PFHX\$orig\$total.num.fireruns  
Plot of PFHX\$orig\$Ethnicity**



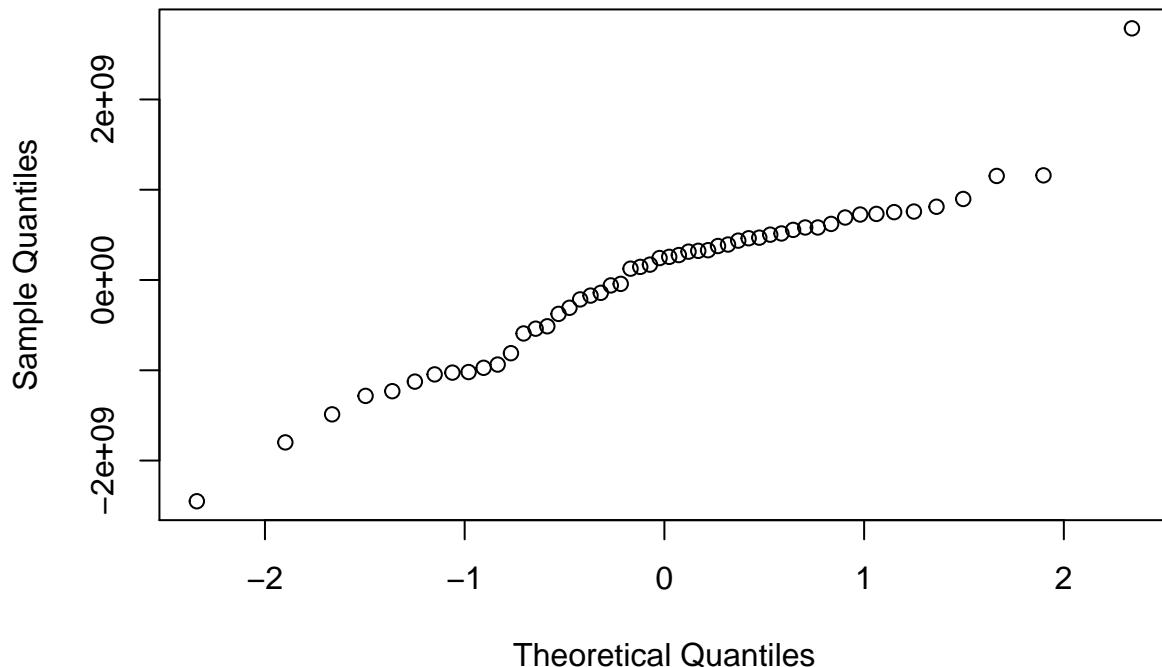
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.num.fireruns  
Plot of SmPFOStransEthnicity**



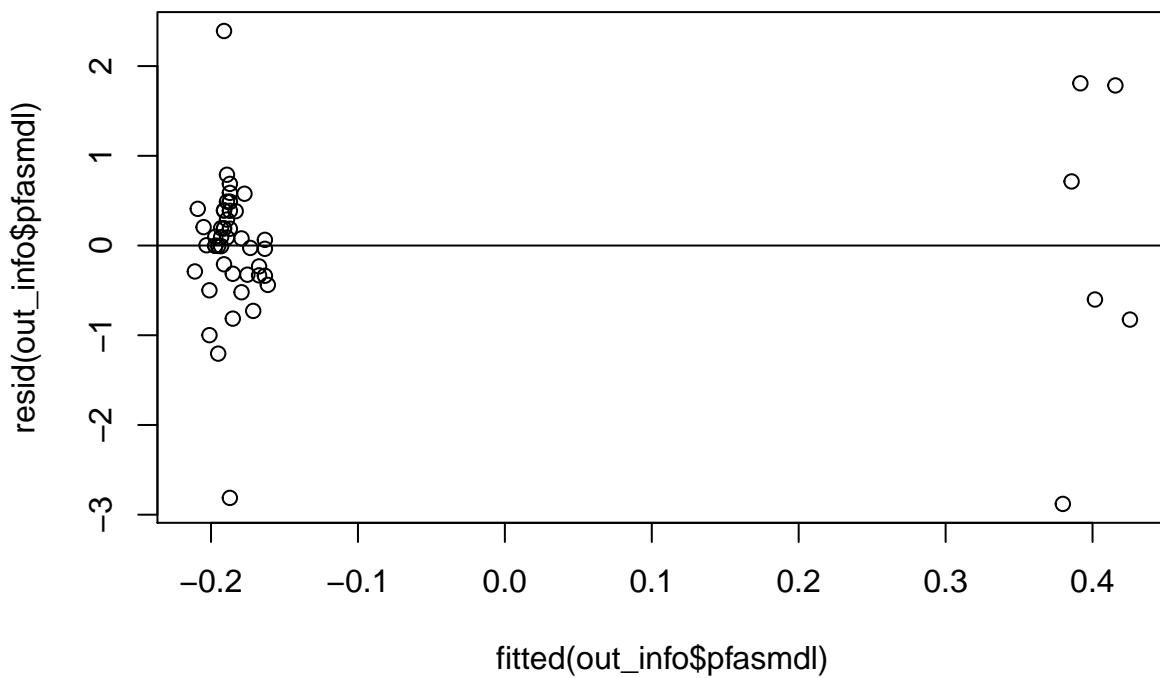
**Normal Q-Q Plot**



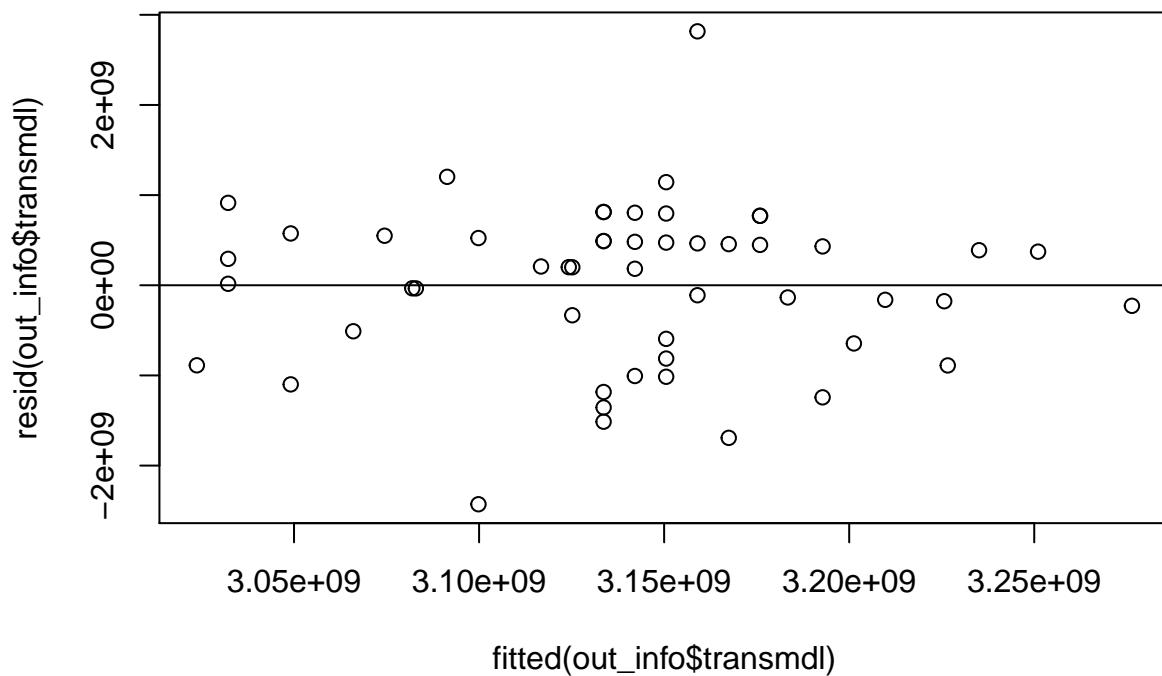
### Normal Q-Q Plot



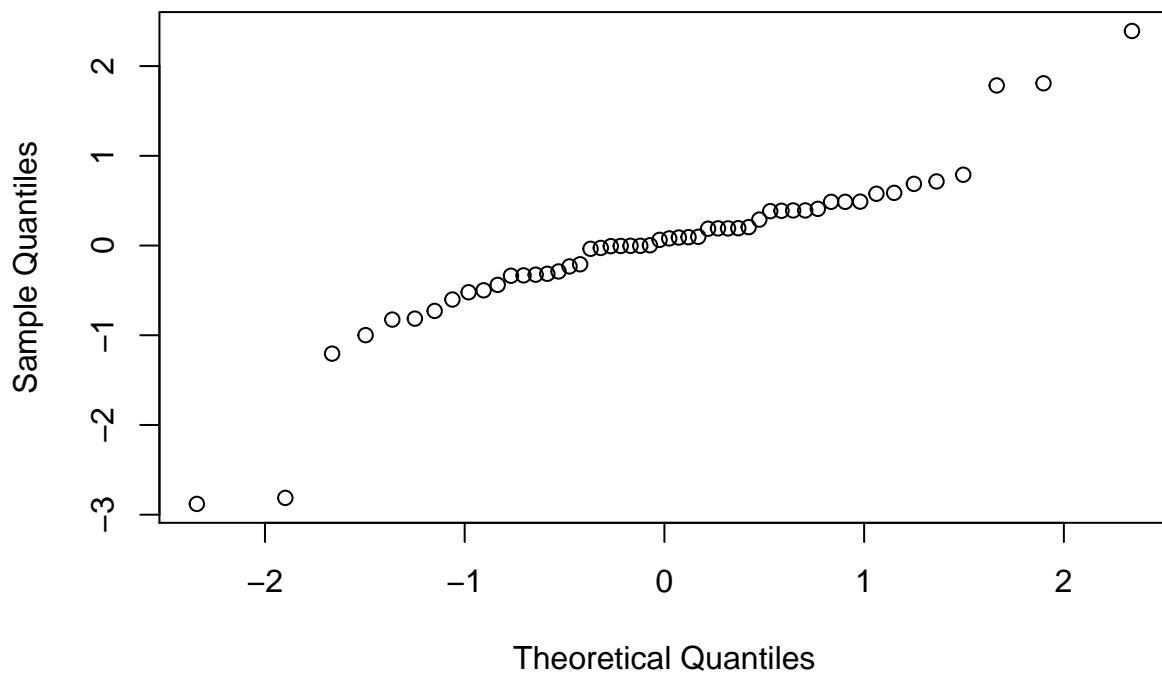
**Plot of PFHX\$orig+  
Plot of PFHX\$origstr.num.fireruns  
Plot of PFHX\$origEthnicity**



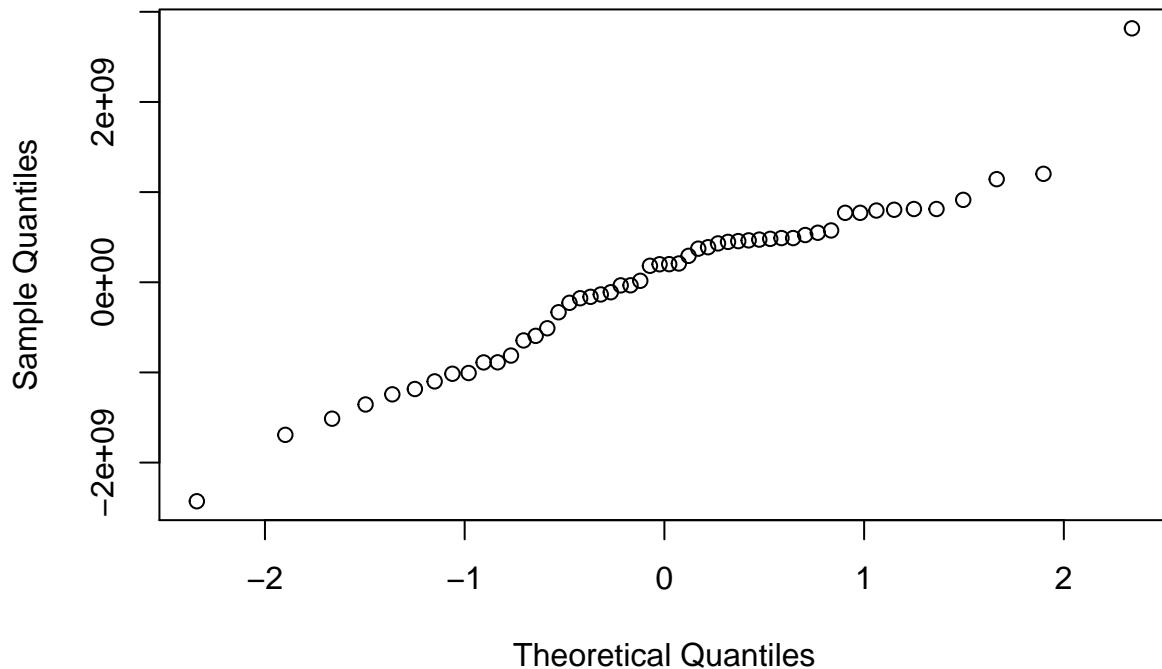
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



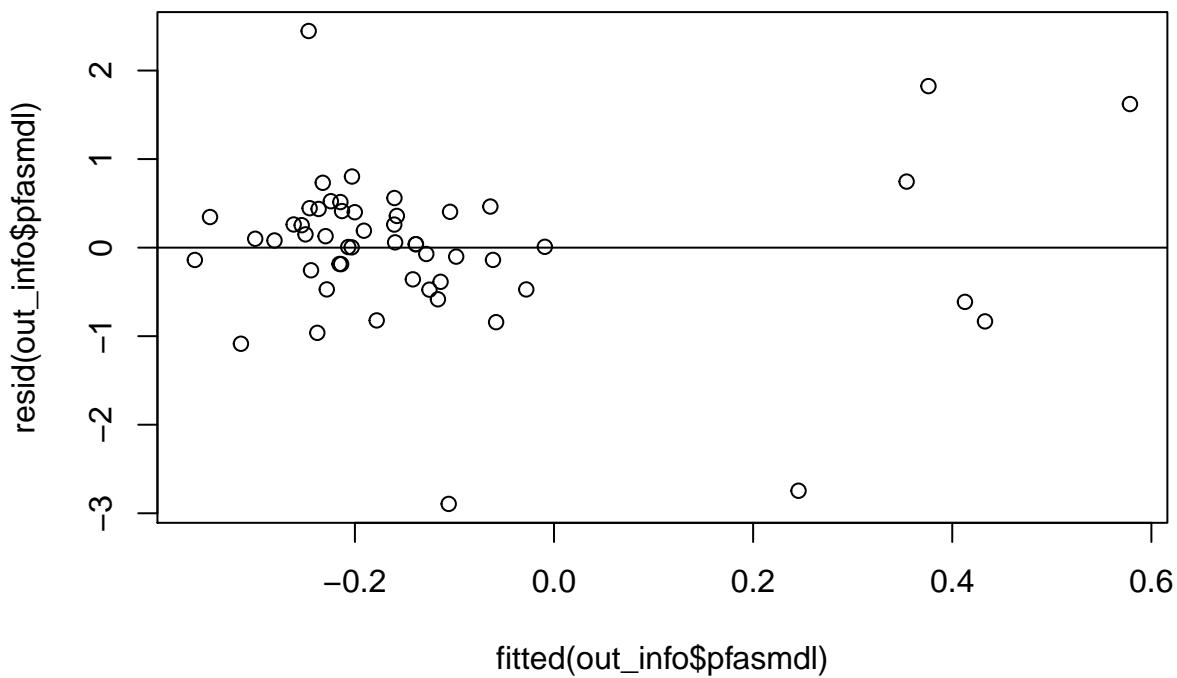
**Normal Q-Q Plot**



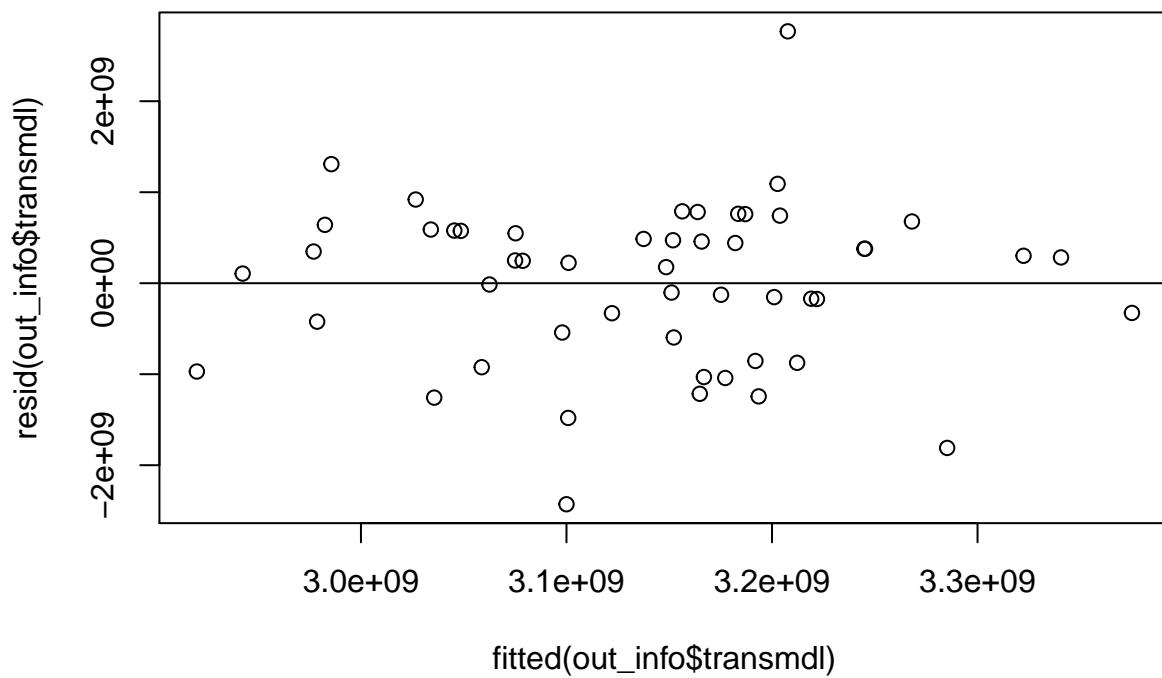
### Normal Q-Q Plot



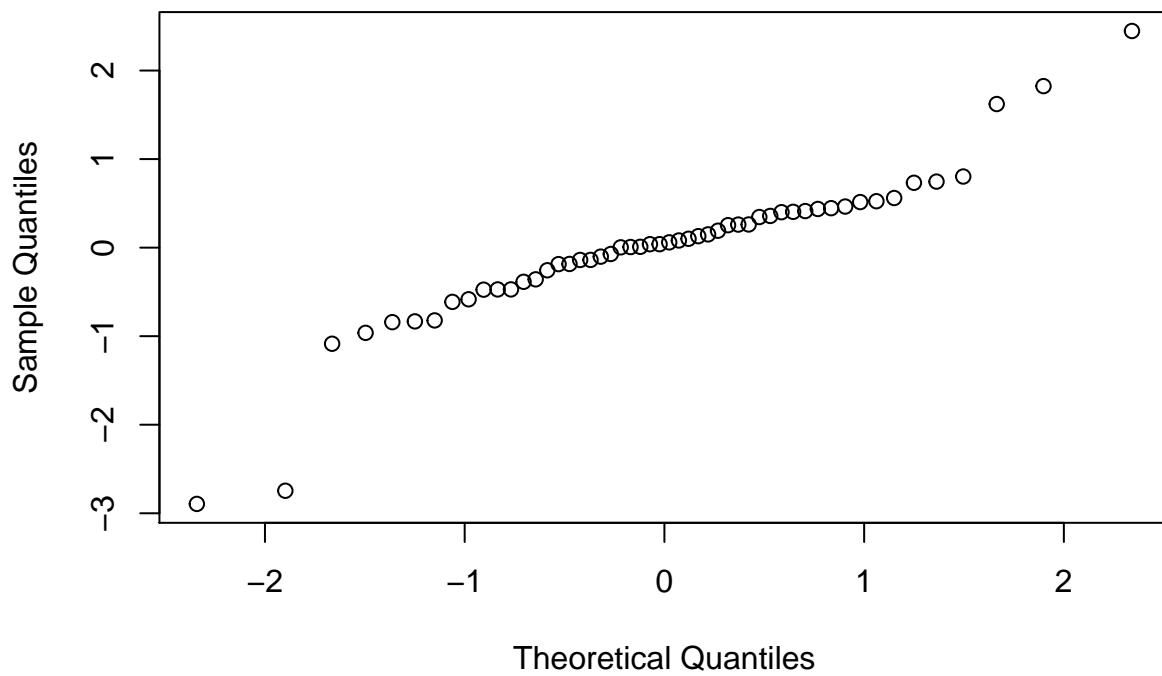
**Plot of PFHX\$orig +  
Plot of PFHX\$orig\$total.duration.hrs  
Plot of PFHX\$orig\$Ethnicity**



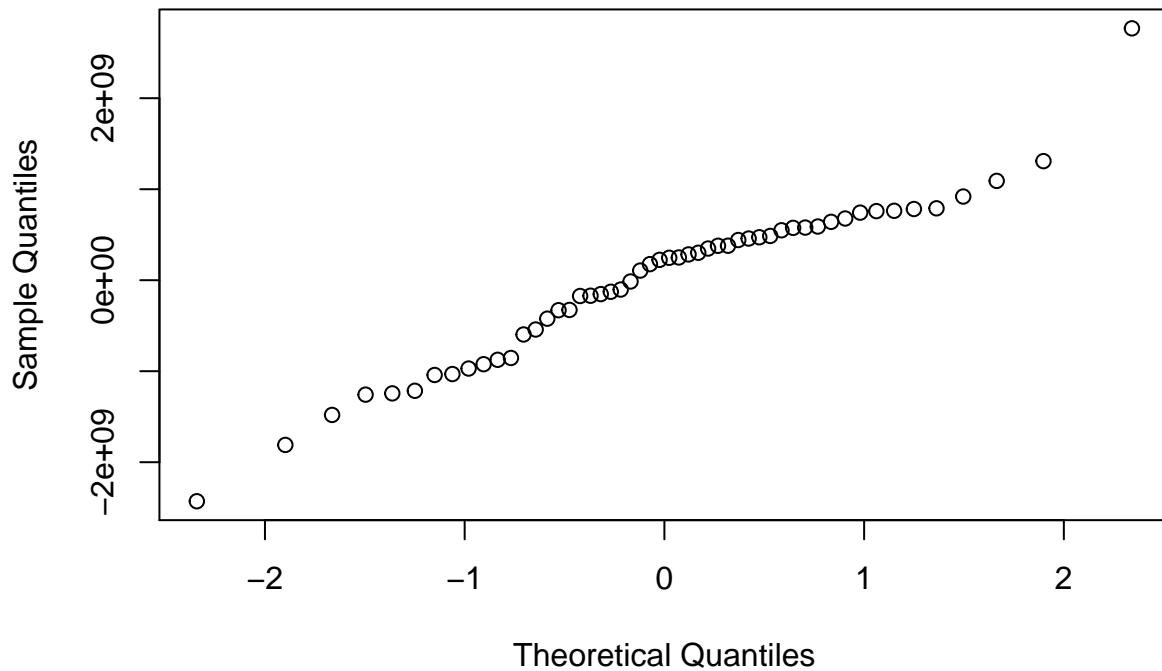
**Plot of SmPFOStrans+  
Plot of SmPFOStrantotal.duration.hrs  
Plot of SmPFOStransEthnicity**



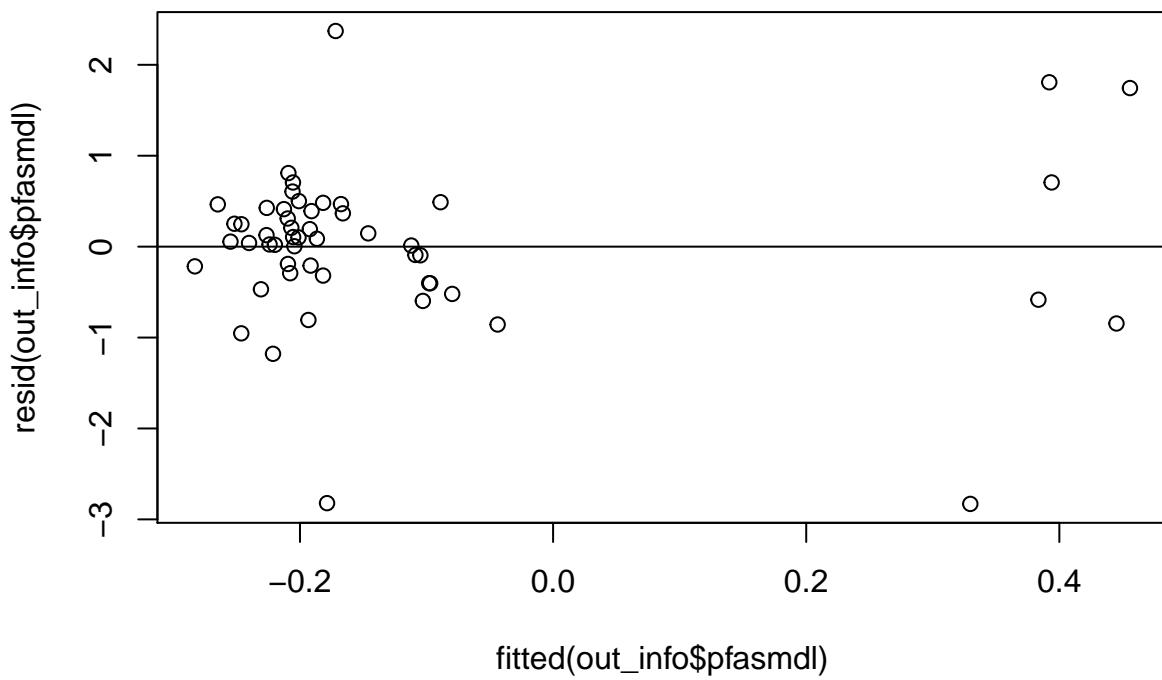
**Normal Q-Q Plot**



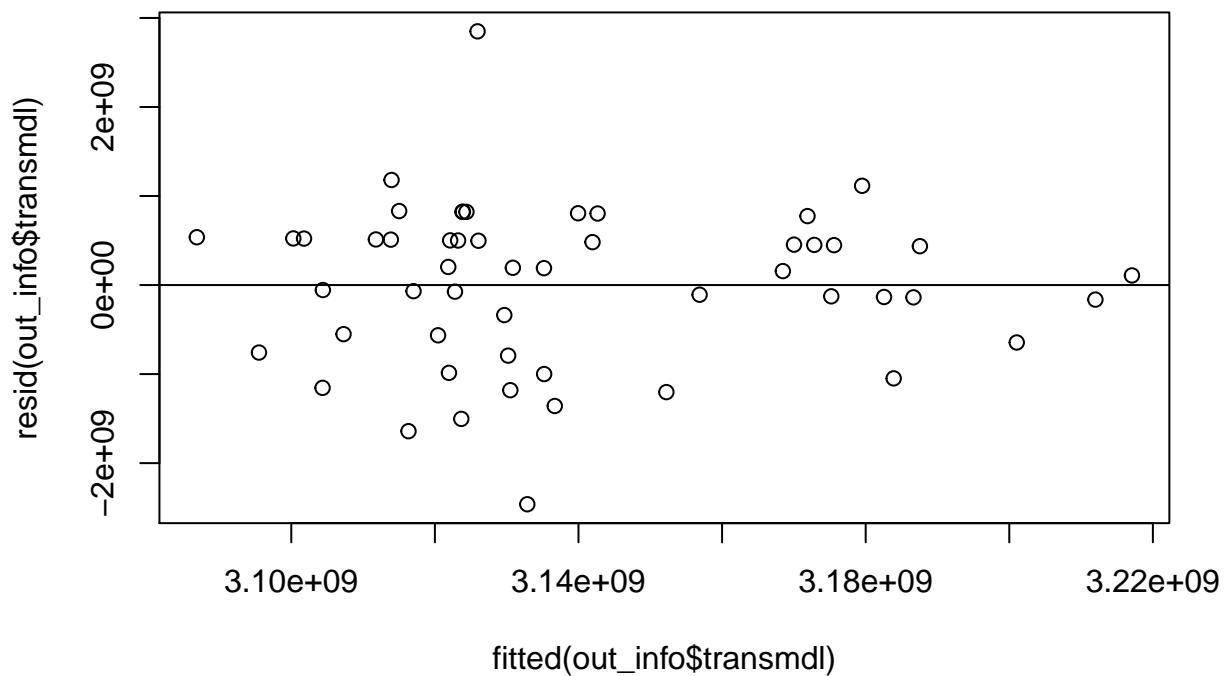
### Normal Q-Q Plot



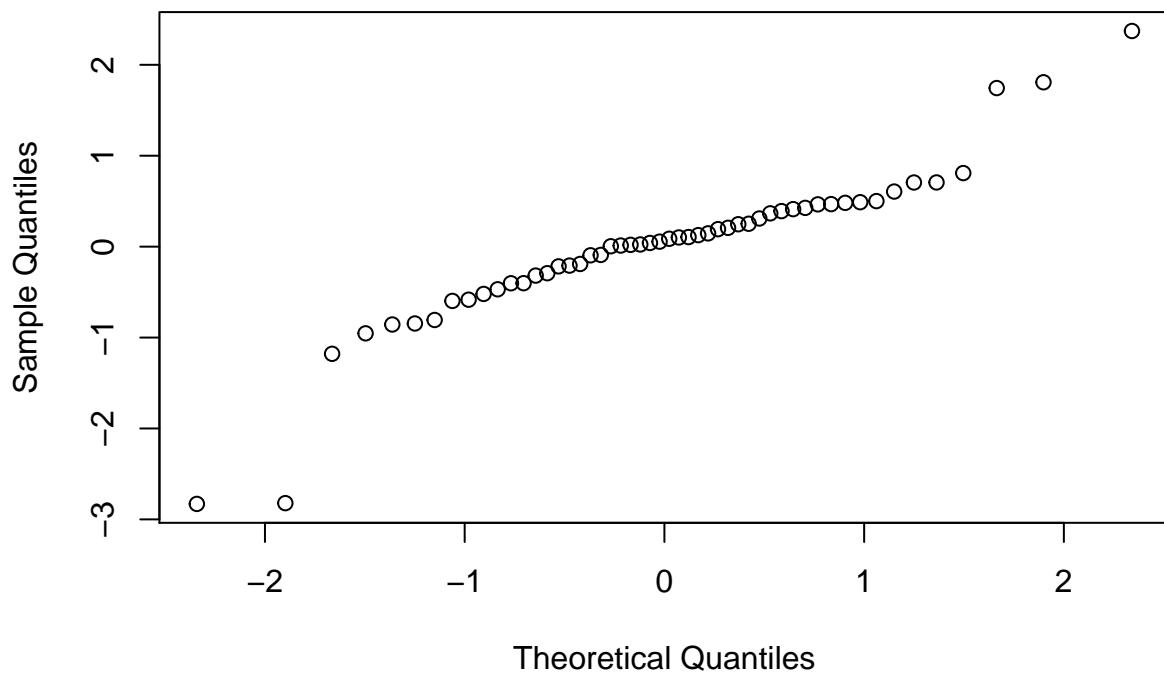
**Plot of PFHX\$orig +  
Plot of PFHX\$origstr.duration.hrs  
Plot of PFHX\$origEthnicity**



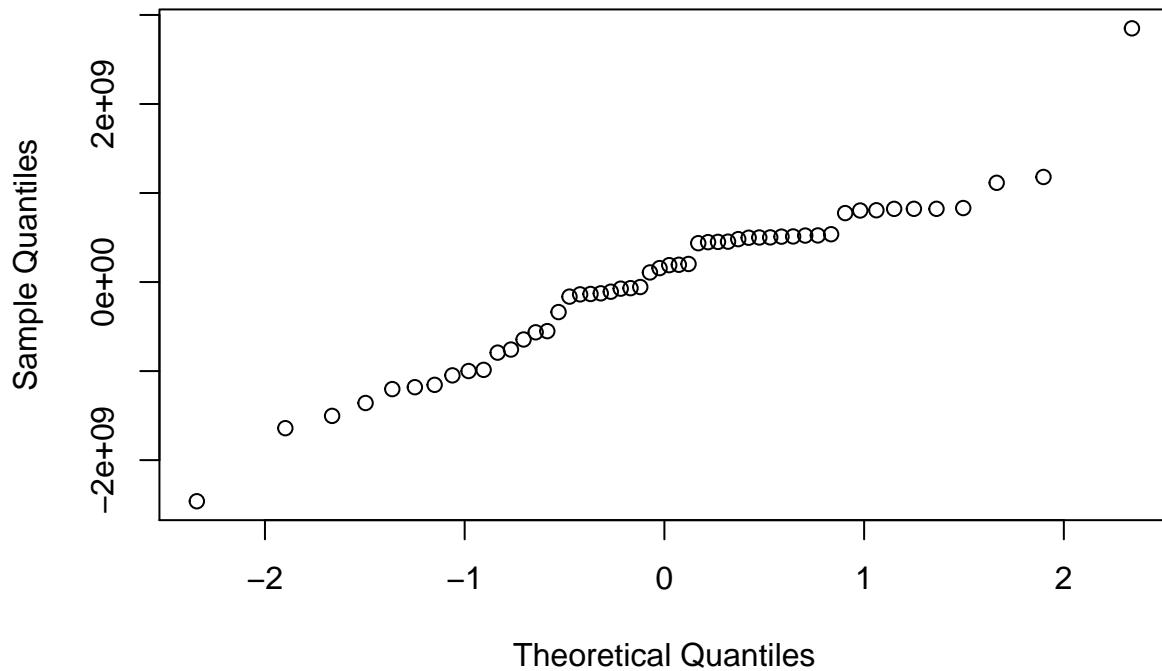
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



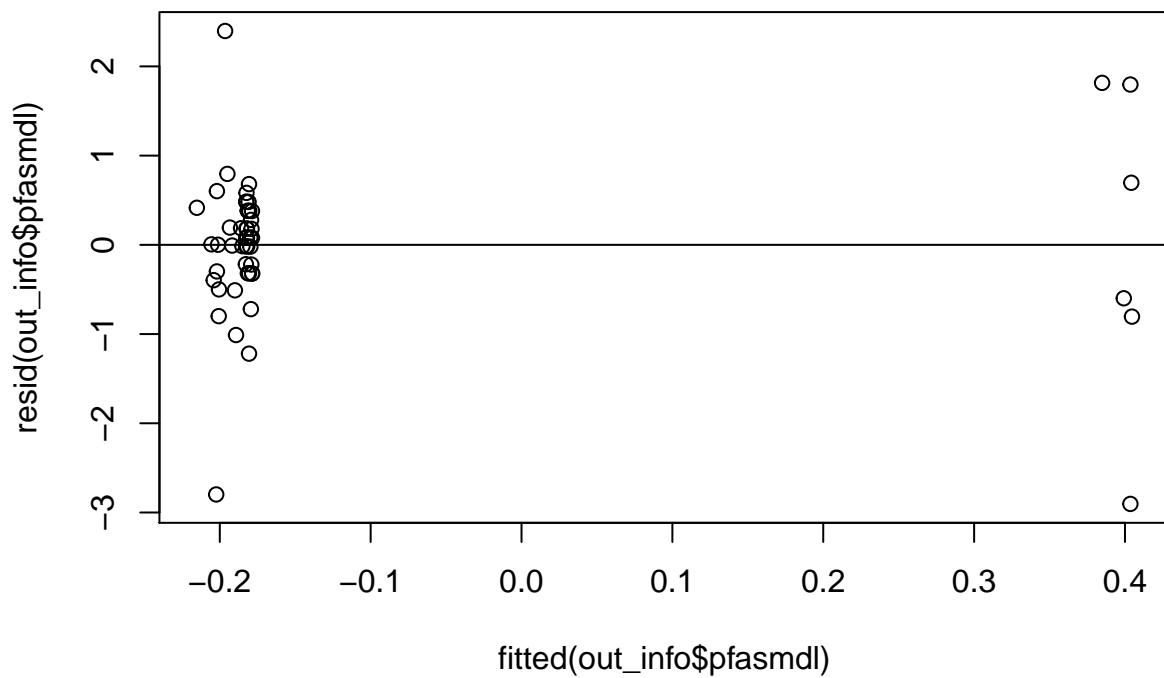
**Normal Q-Q Plot**



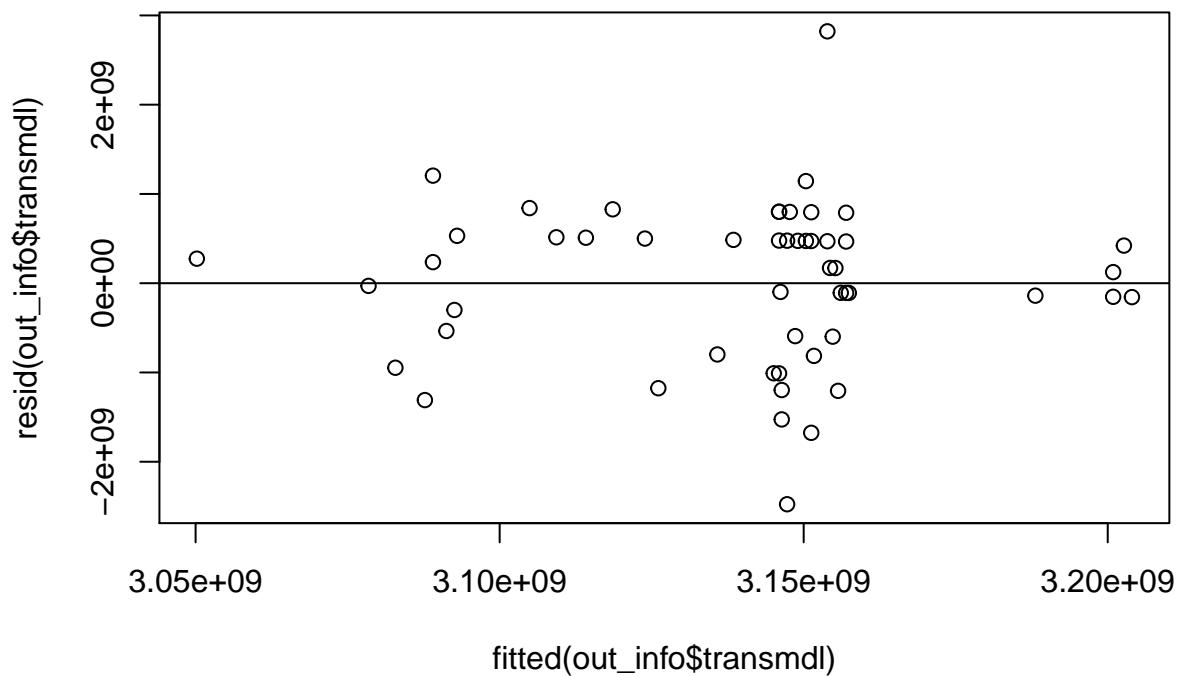
### Normal Q-Q Plot



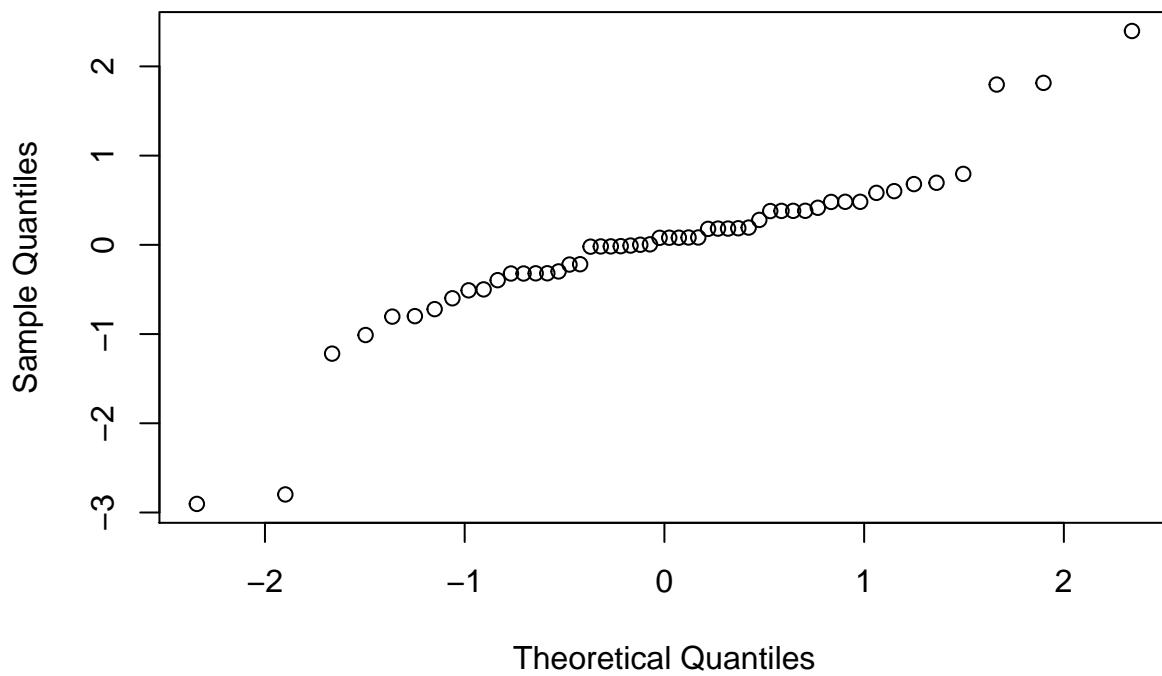
**Plot of PFHX\$orig +  
Plot of PFHX\$origdays.since.MRF  
Plot of PFHX\$origEthnicity**



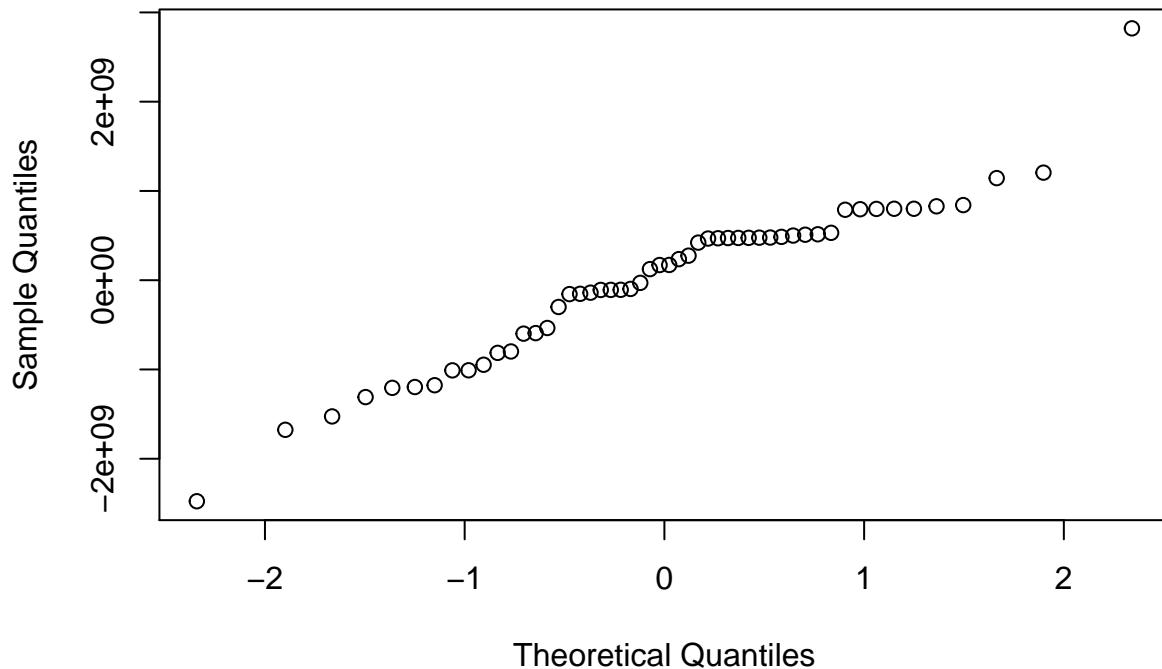
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**



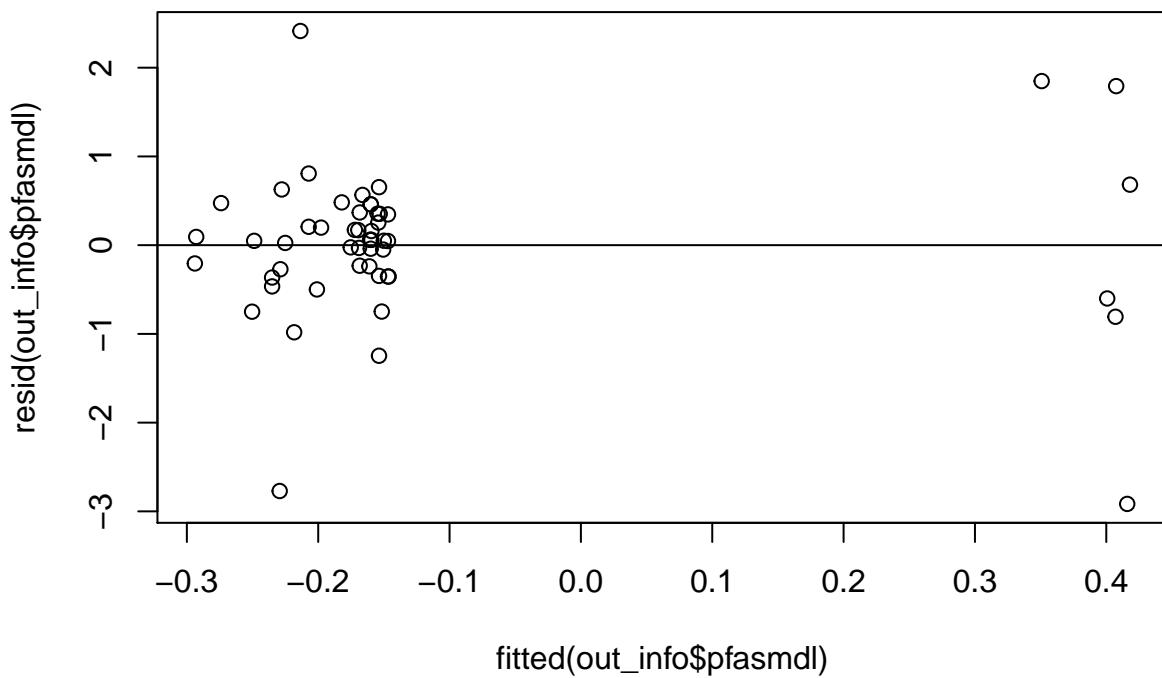
**Normal Q-Q Plot**



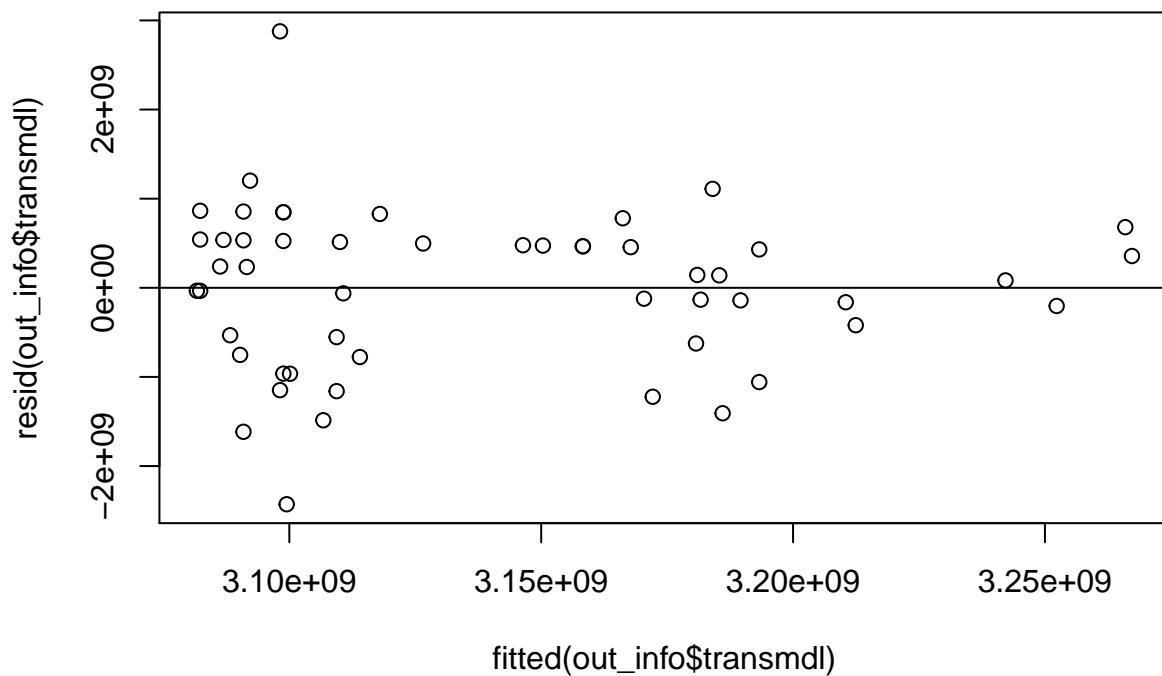
### Normal Q-Q Plot



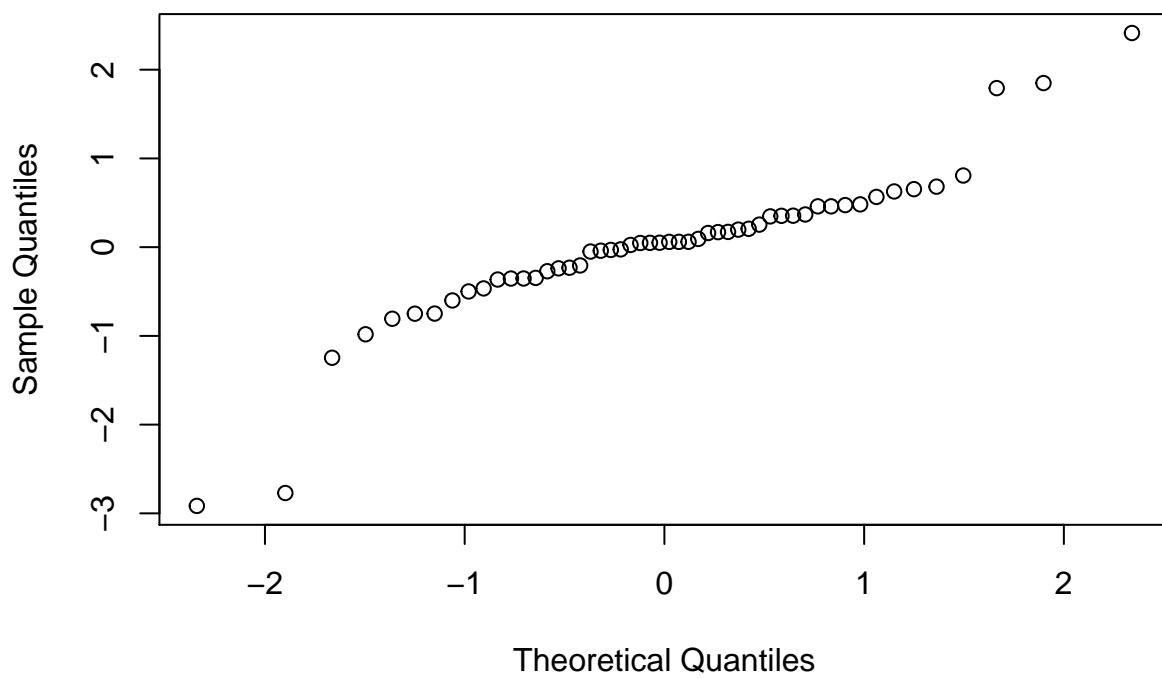
**Plot of PFHXSorig+**  
**Plot of PFHXSorigdays.since.struc.MRF**  
**Plot of PFHXSorigEthnicity**



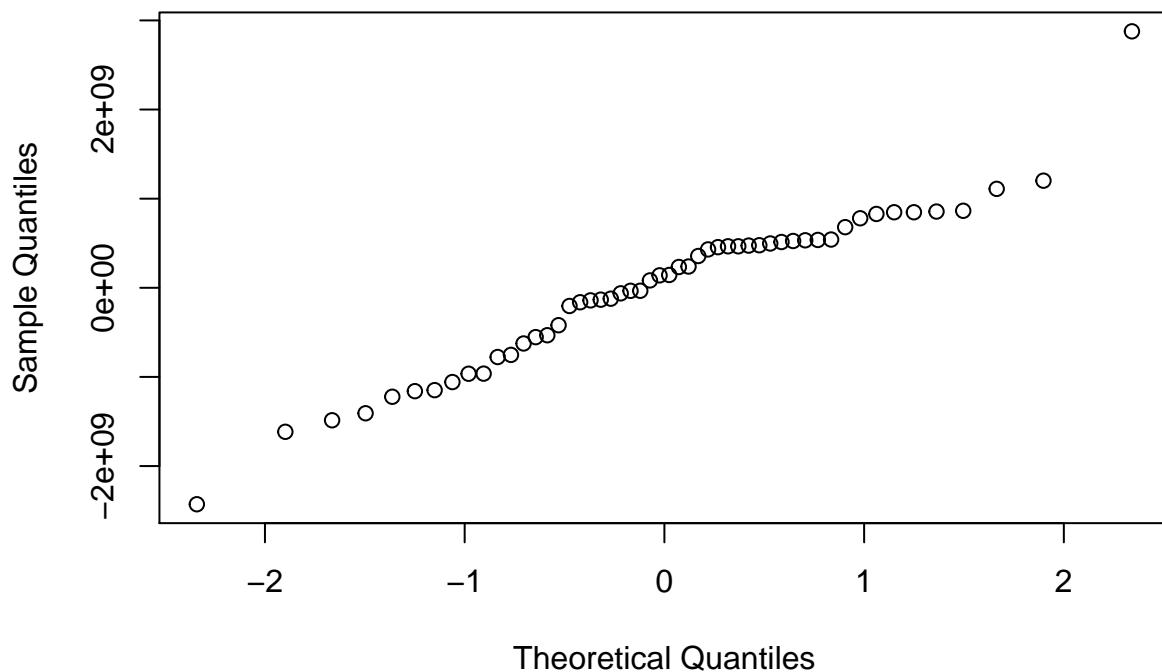
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



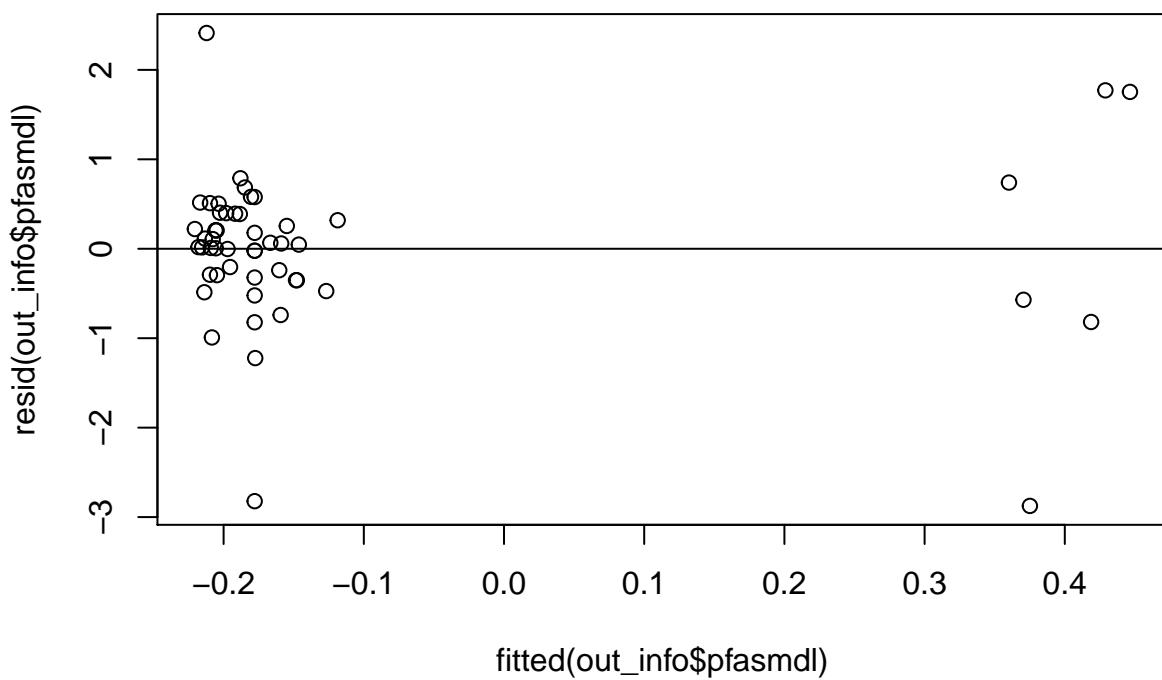
**Normal Q-Q Plot**



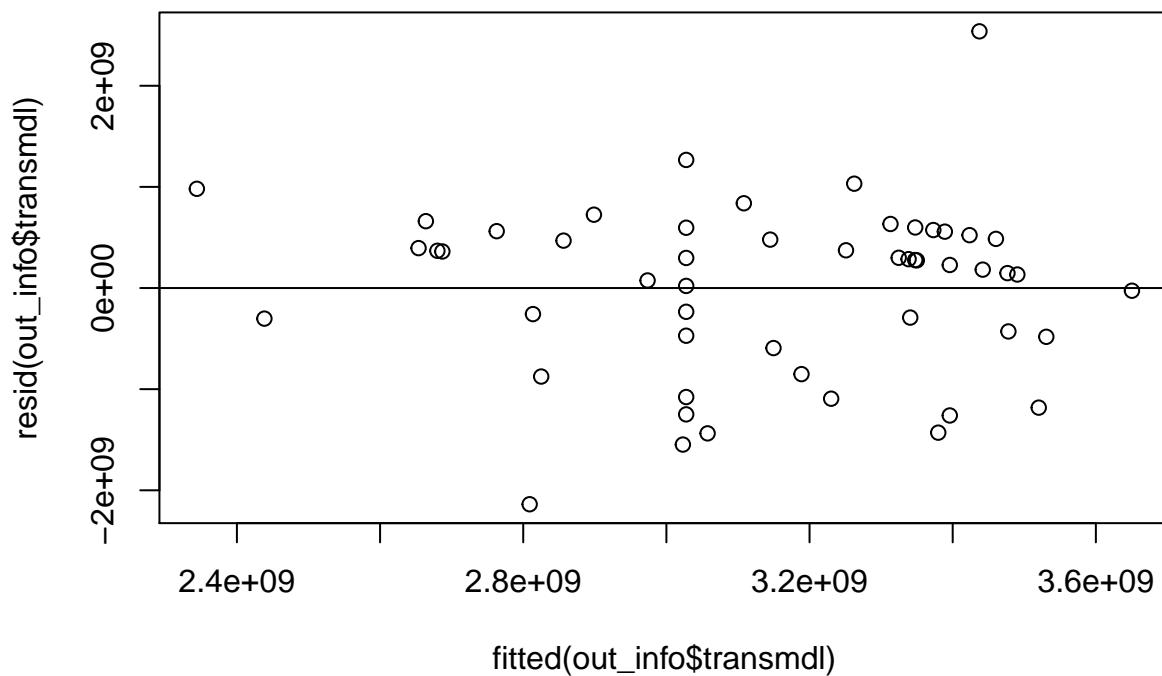
### Normal Q-Q Plot



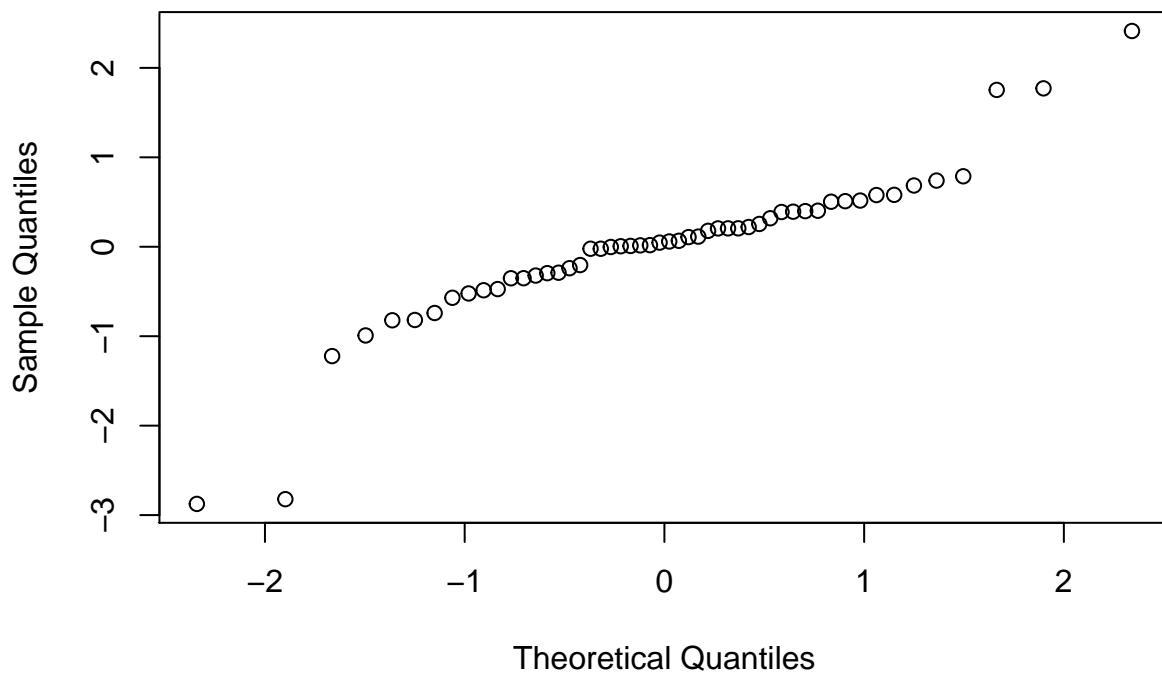
**Plot of PFHX\$orig+**  
**Plot of PFHX\$origtime.since.baseline**  
**Plot of PFHX\$origEthnicity**



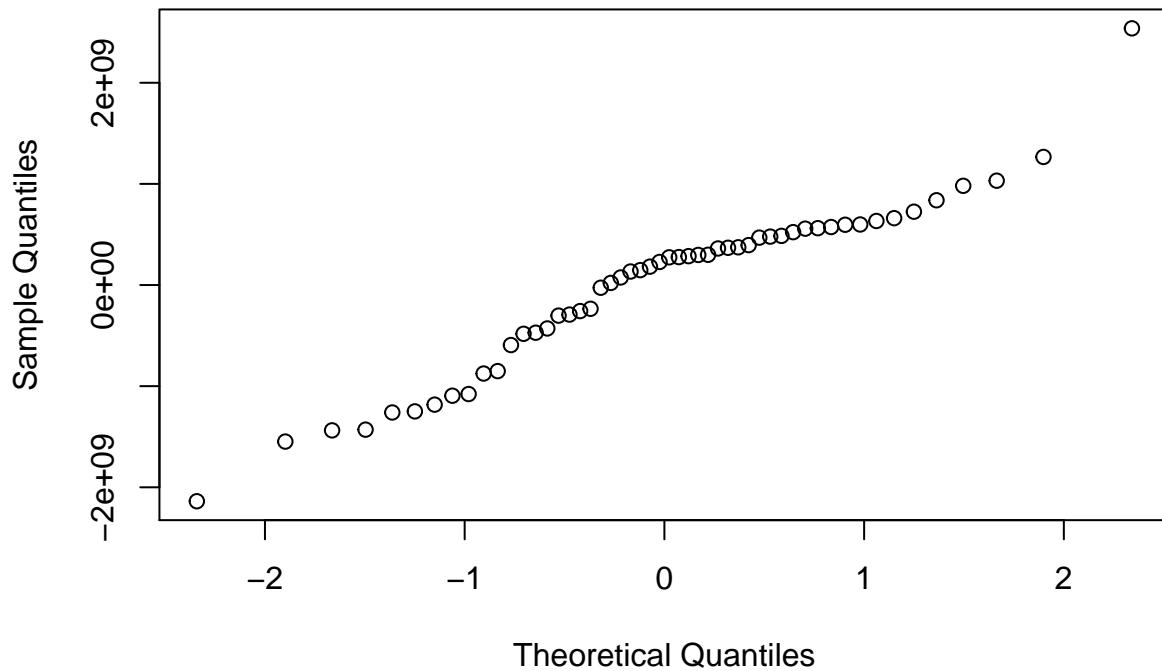
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



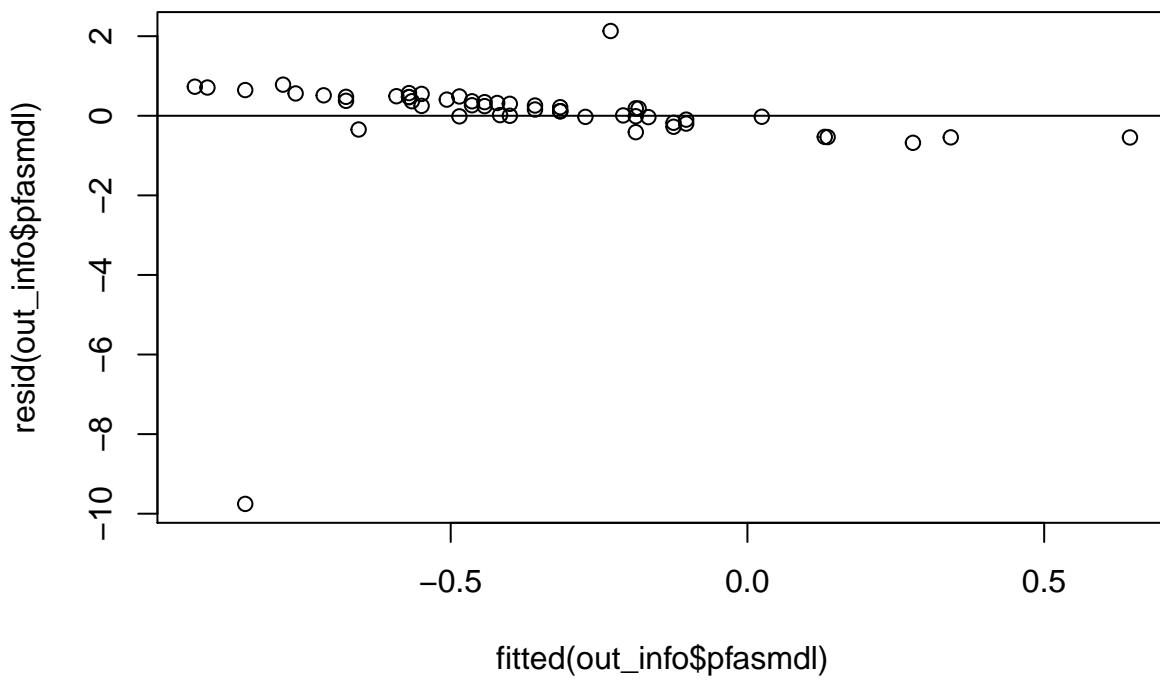
**Normal Q-Q Plot**



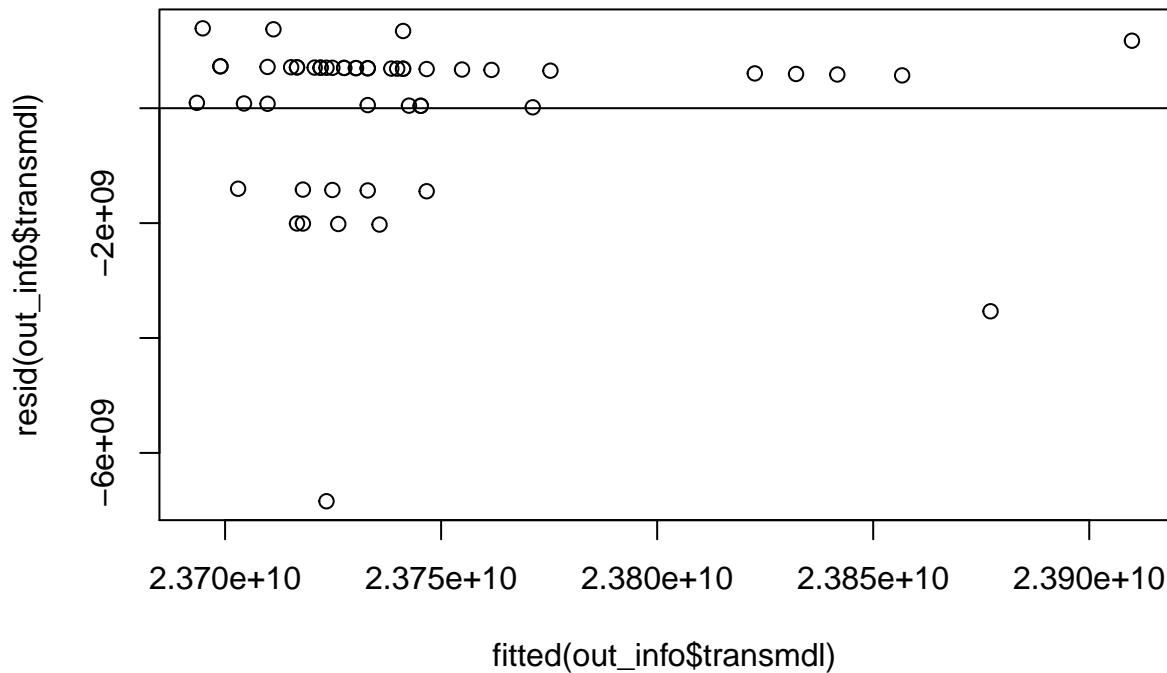
### Normal Q-Q Plot



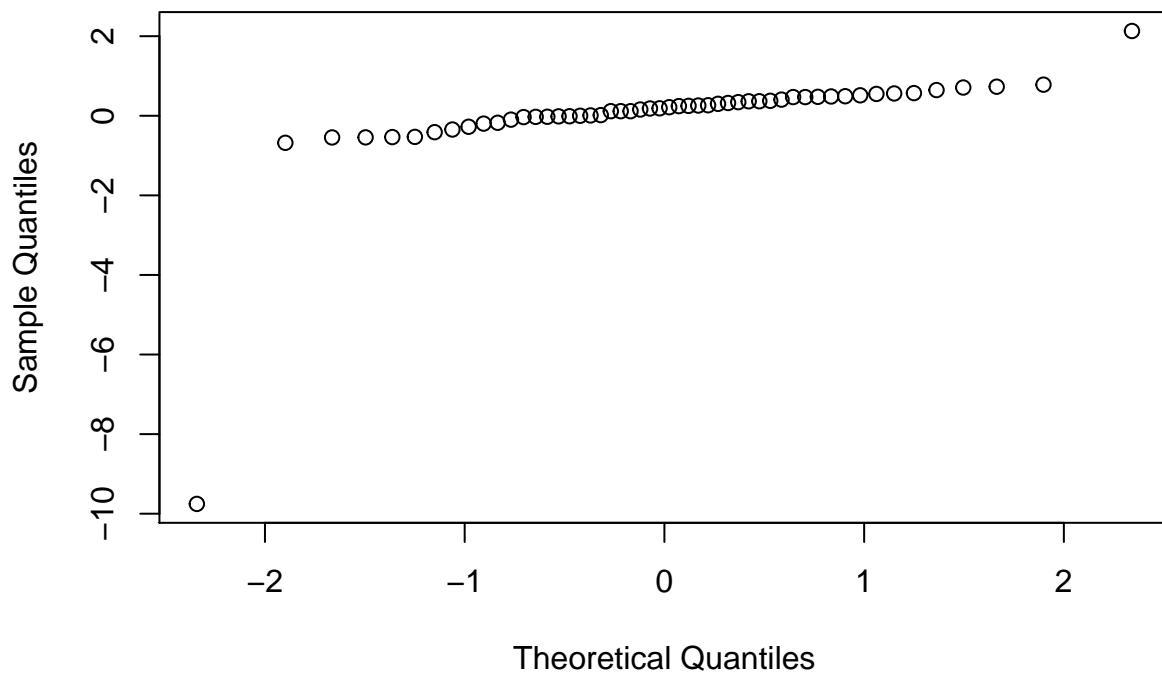
**Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity**



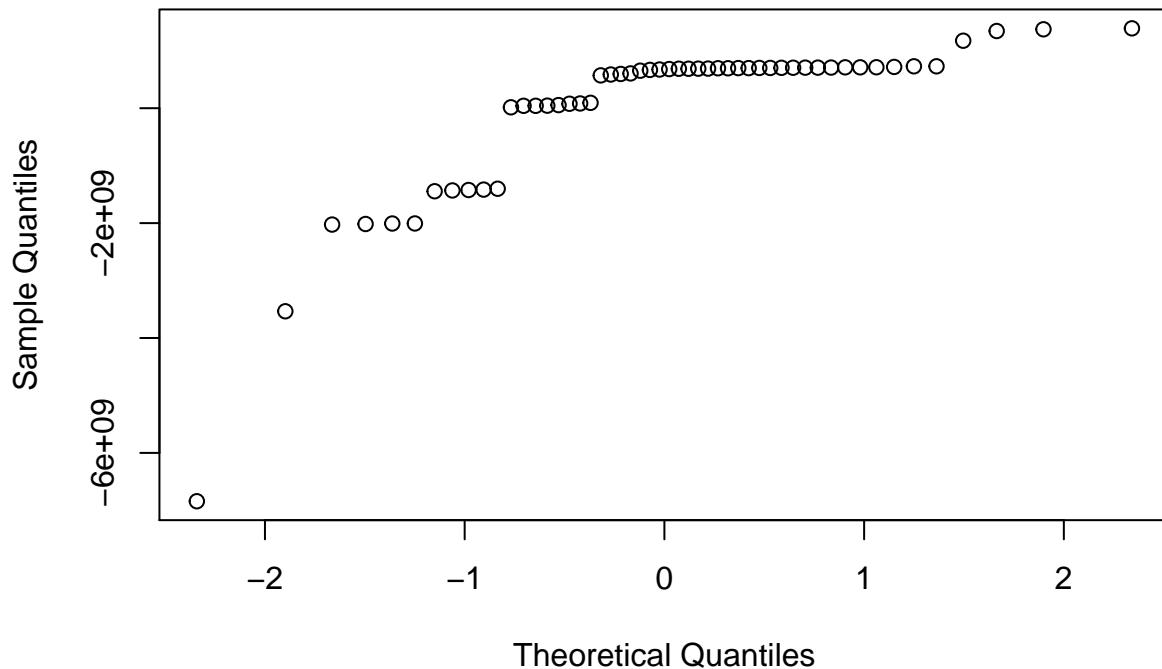
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



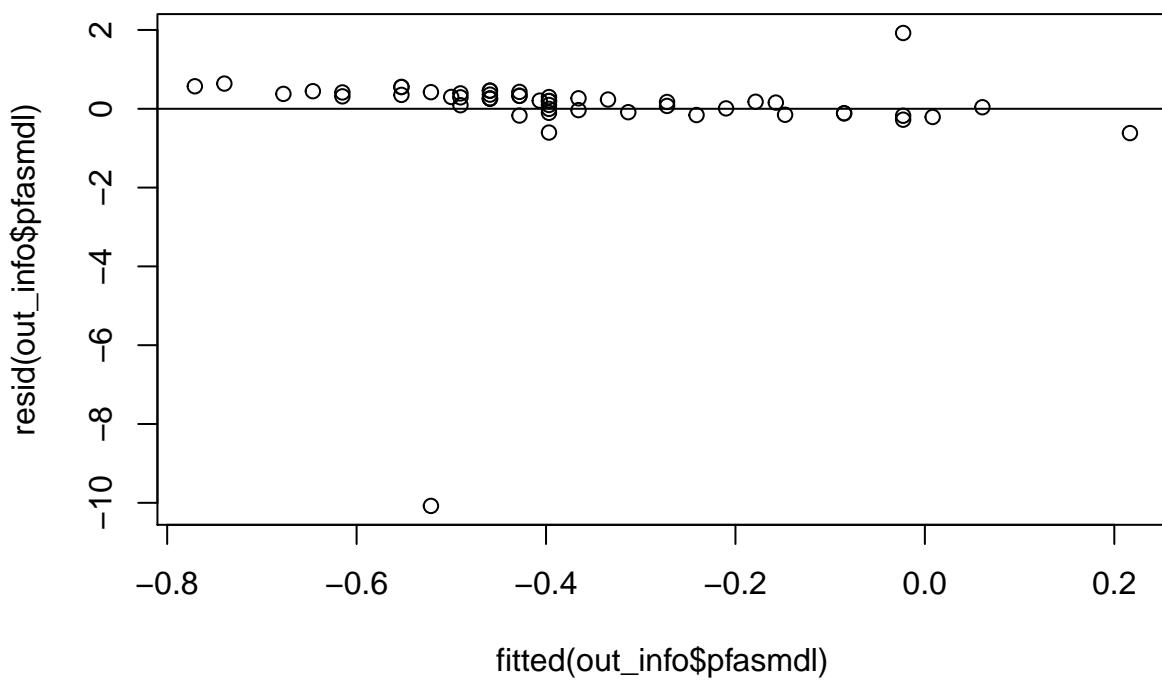
**Normal Q-Q Plot**



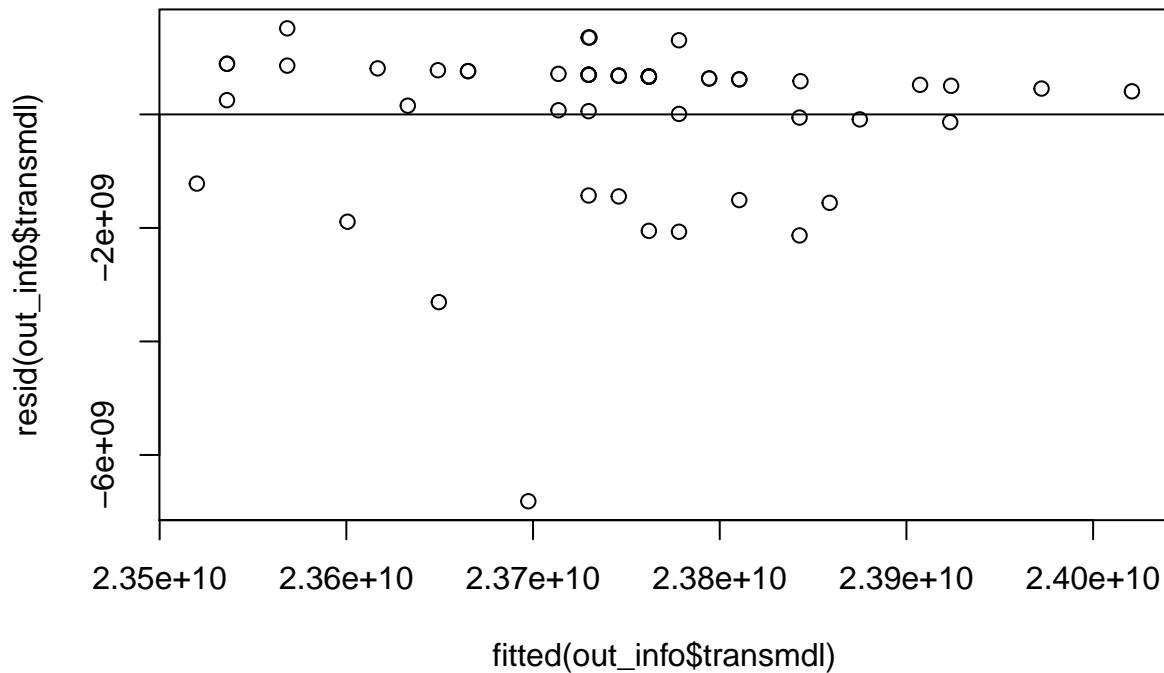
### Normal Q-Q Plot



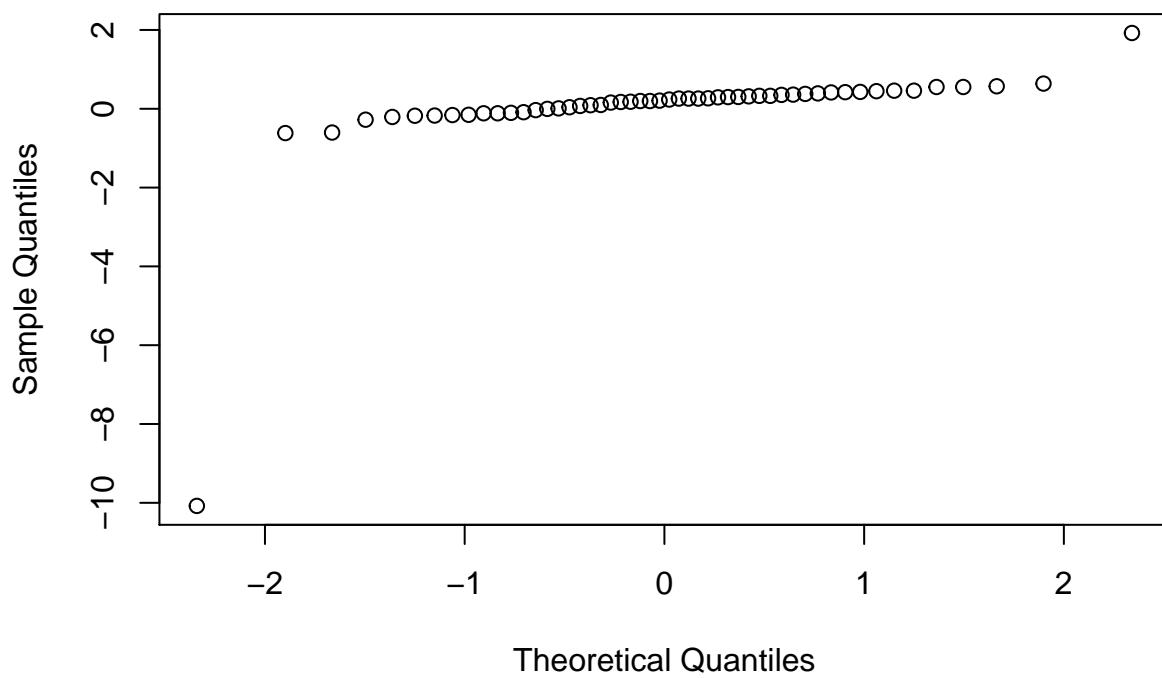
**Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity**



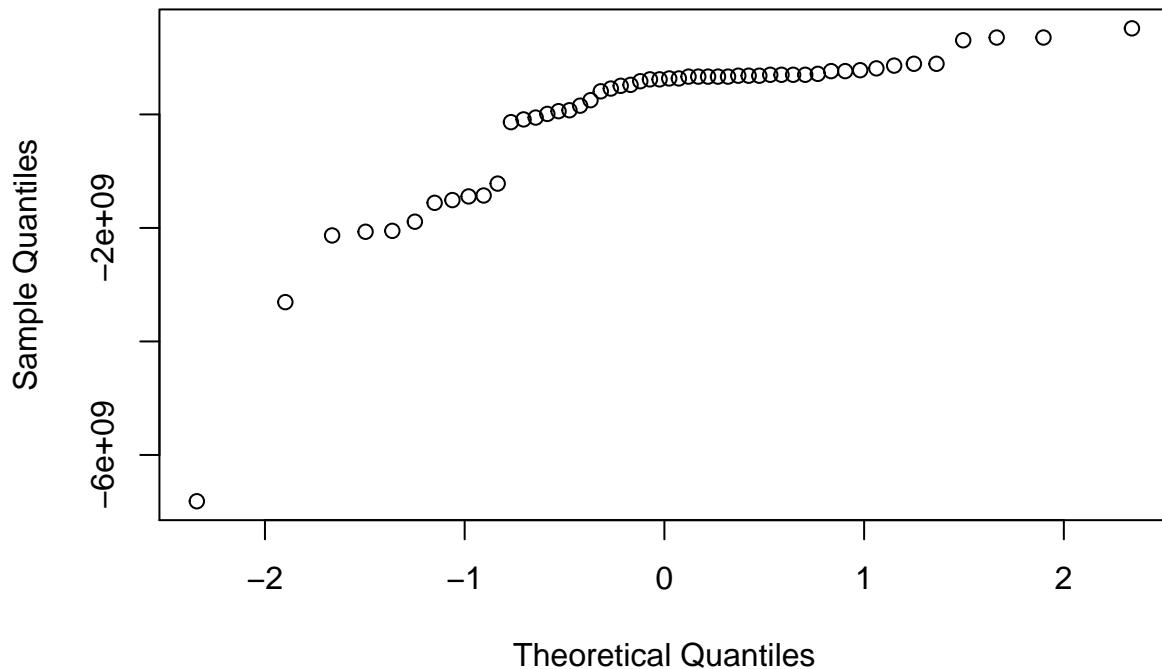
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.num.fireruns  
Plot of PFOSAtransEthnicity**



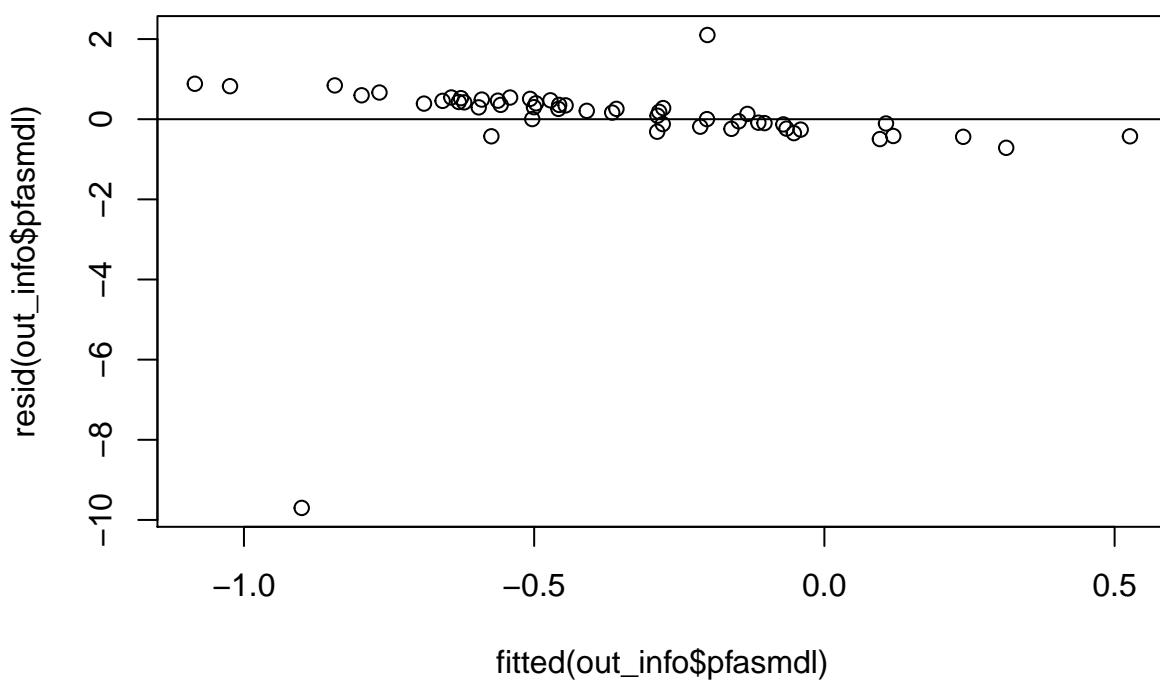
**Normal Q-Q Plot**



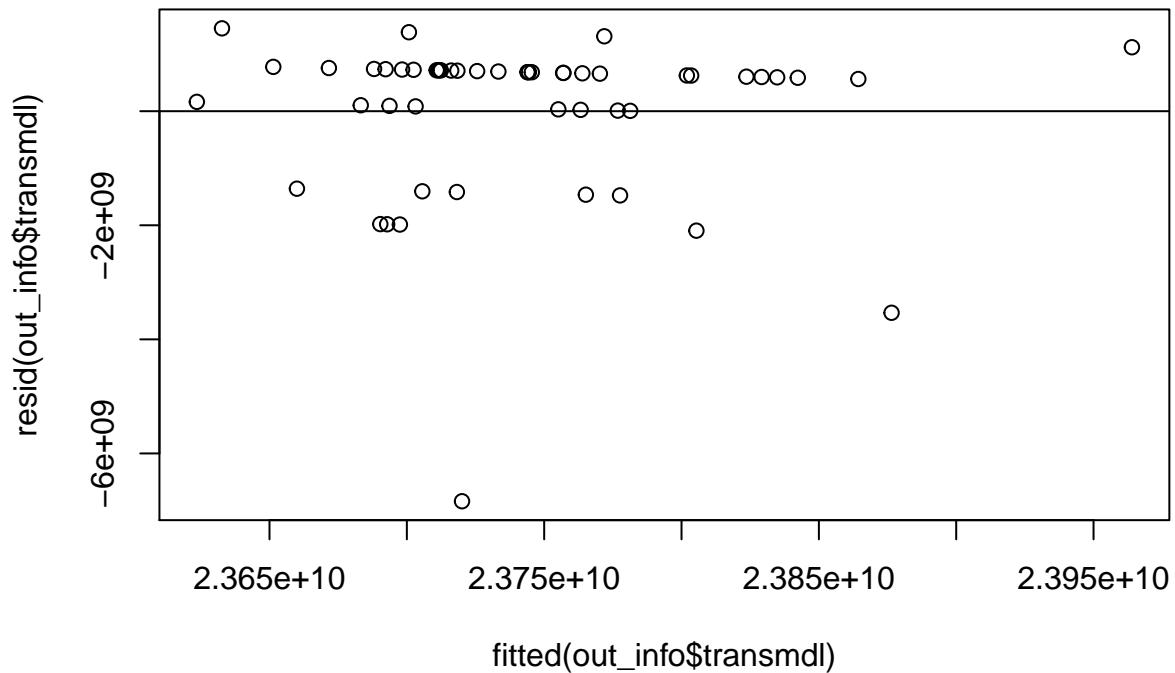
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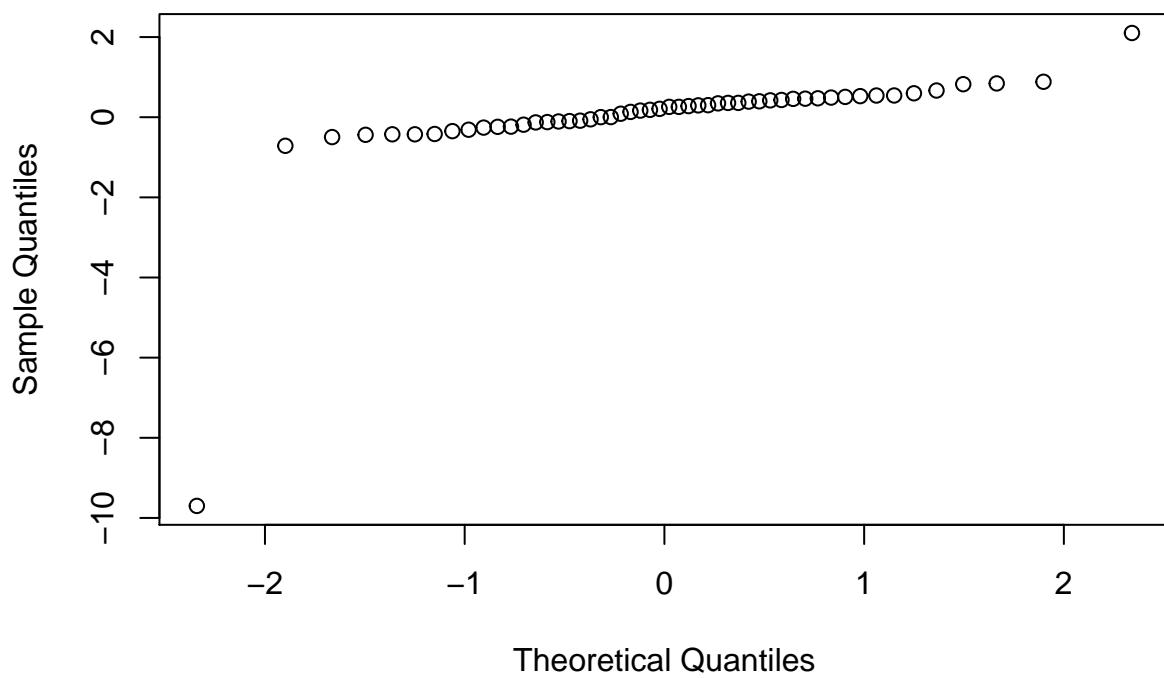
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



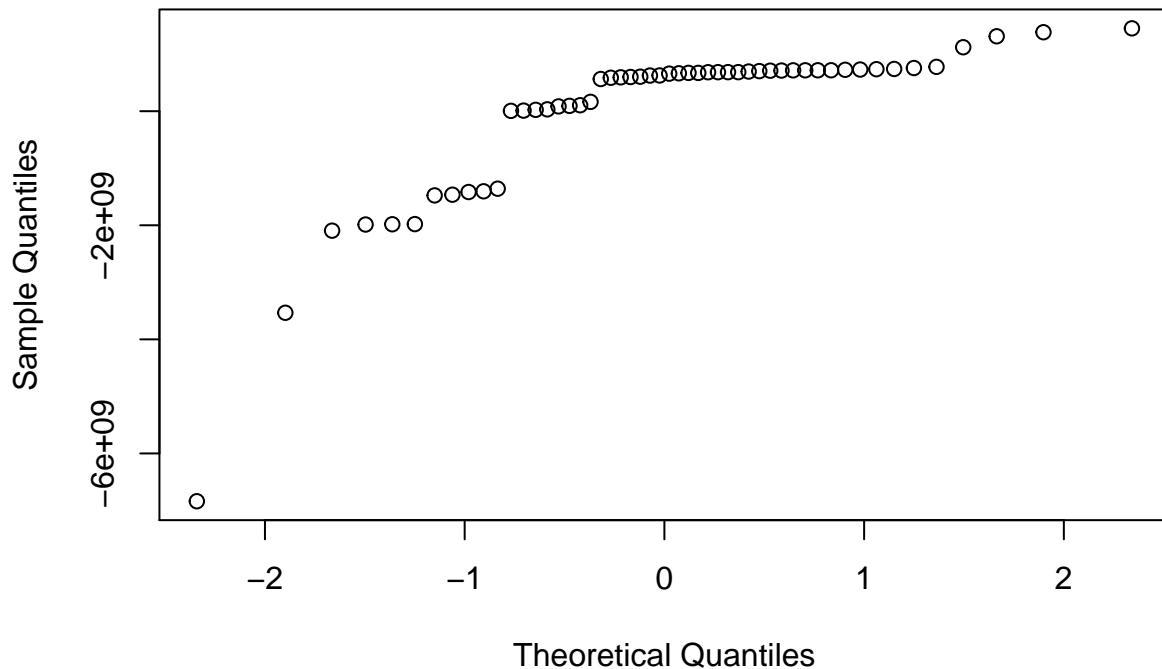
**Plot of PFOSAtrans+  
Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



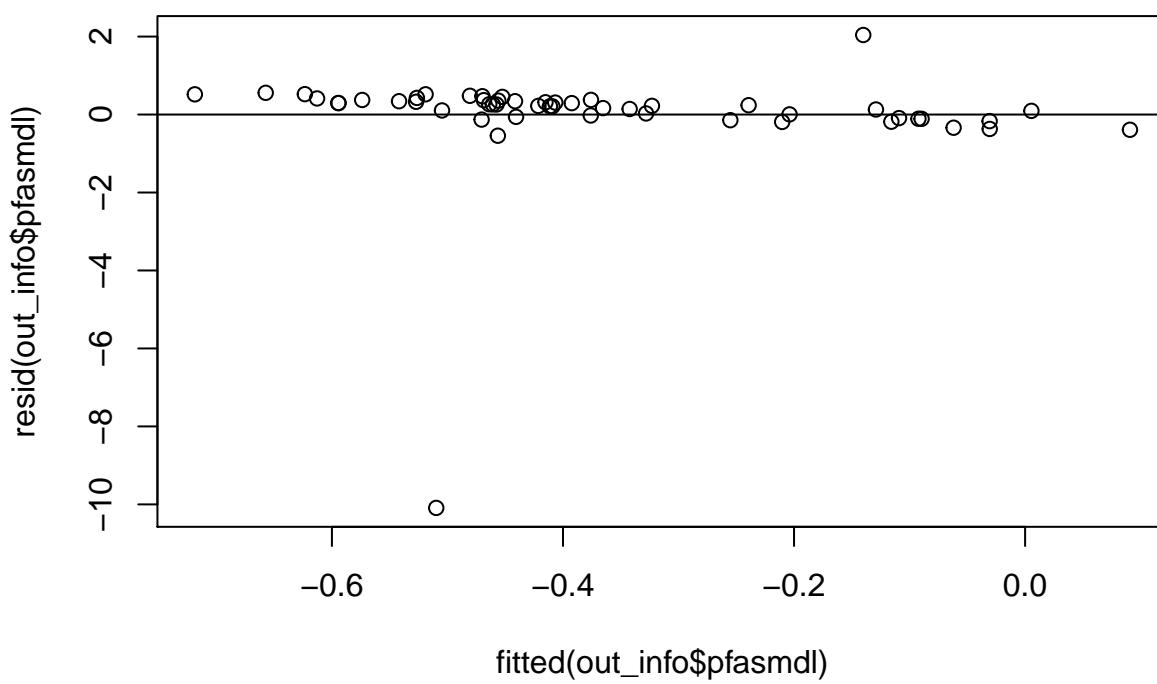
**Normal Q-Q Plot**



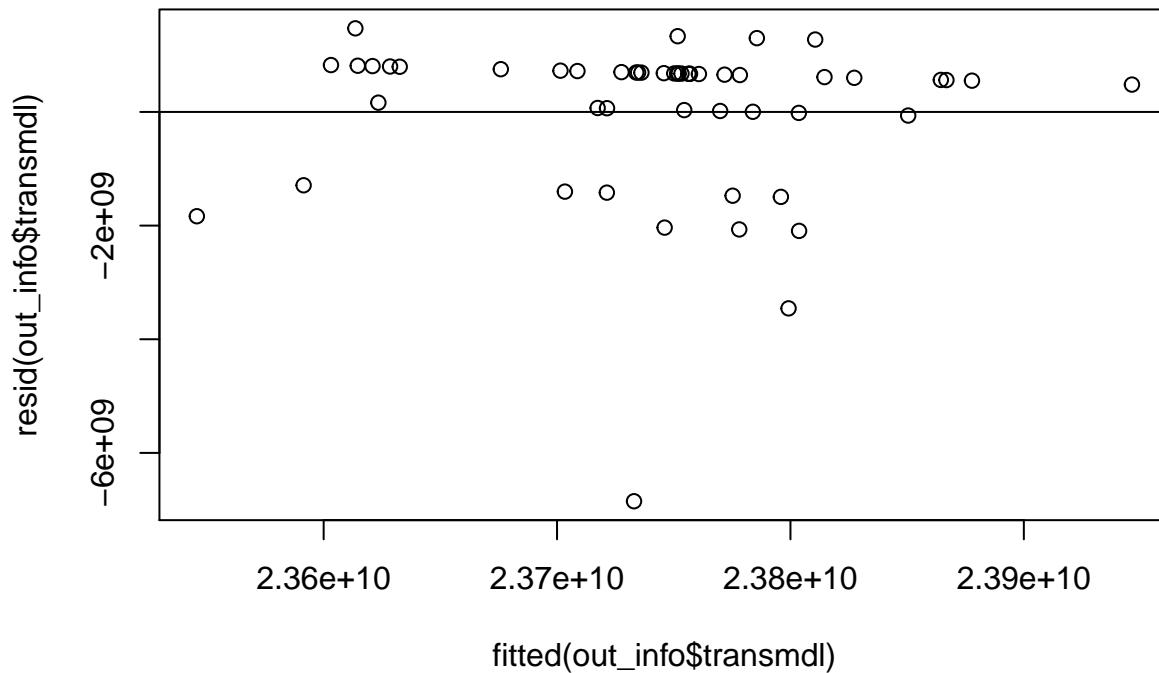
### Normal Q-Q Plot



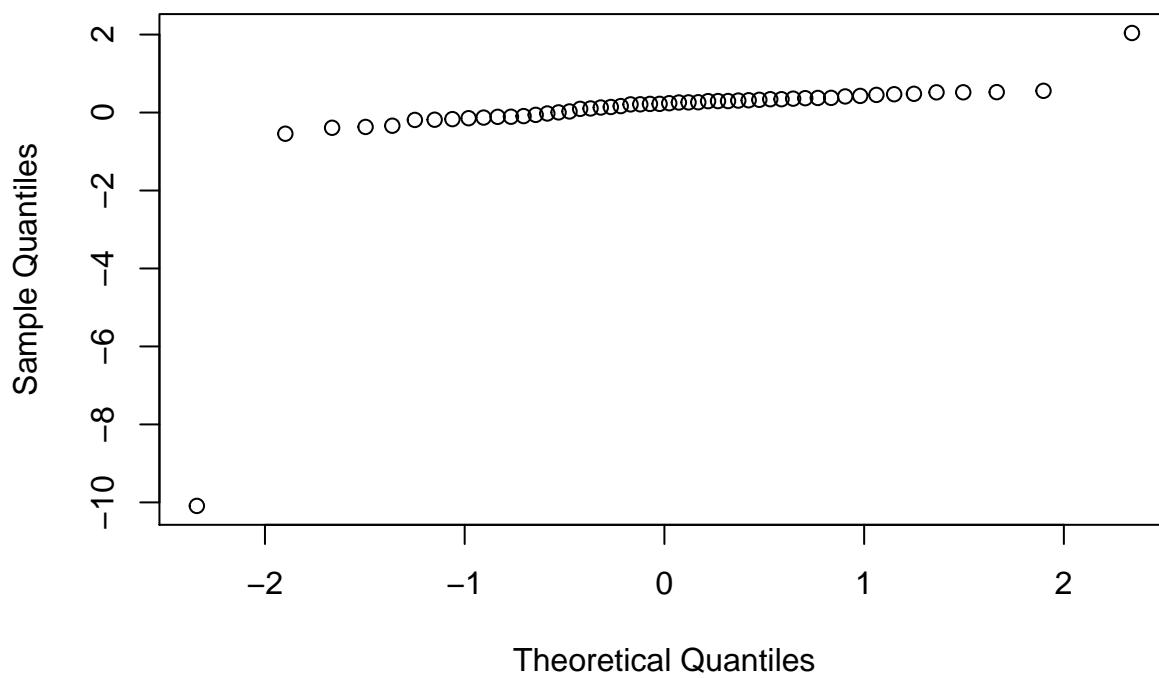
**Plot of PFNAorig+  
Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity**



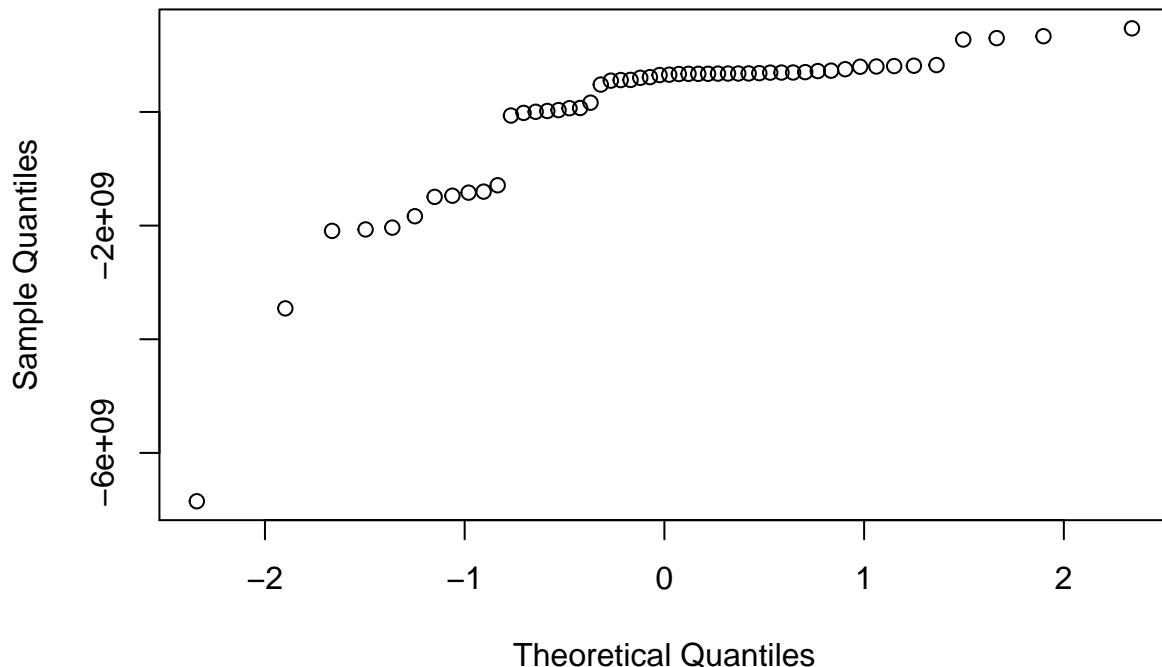
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Plot of PFOSAtransstr.duration.hrs  
Plot of PFOSAtransEthnicity**



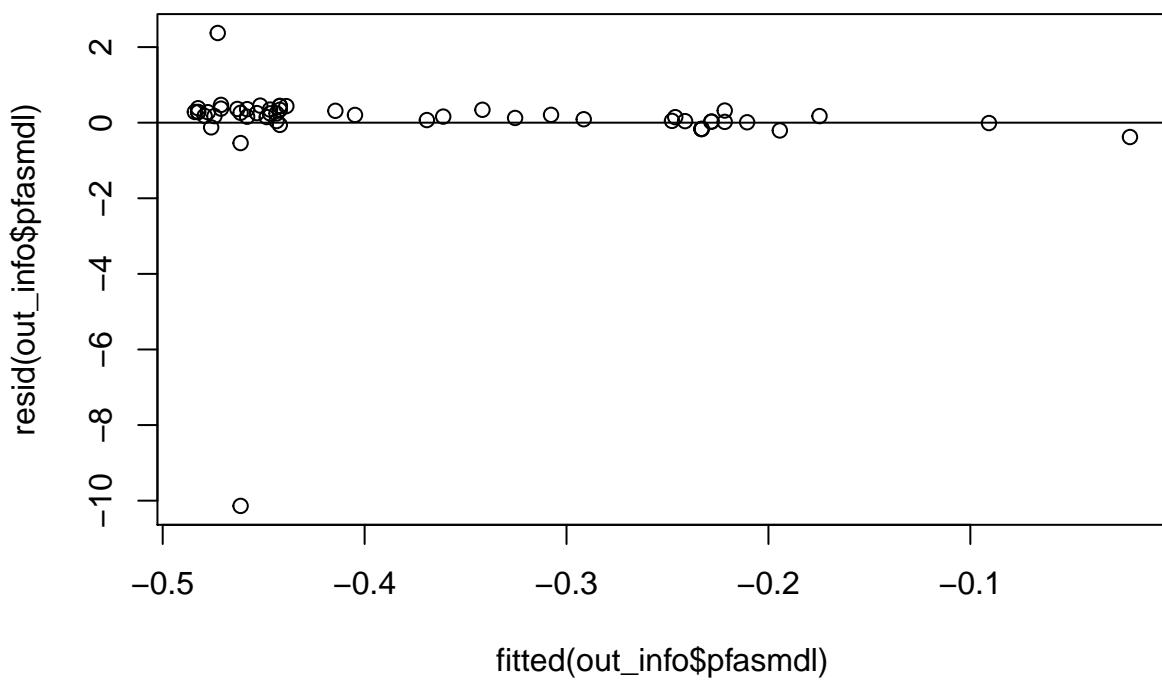
**Normal Q-Q Plot**



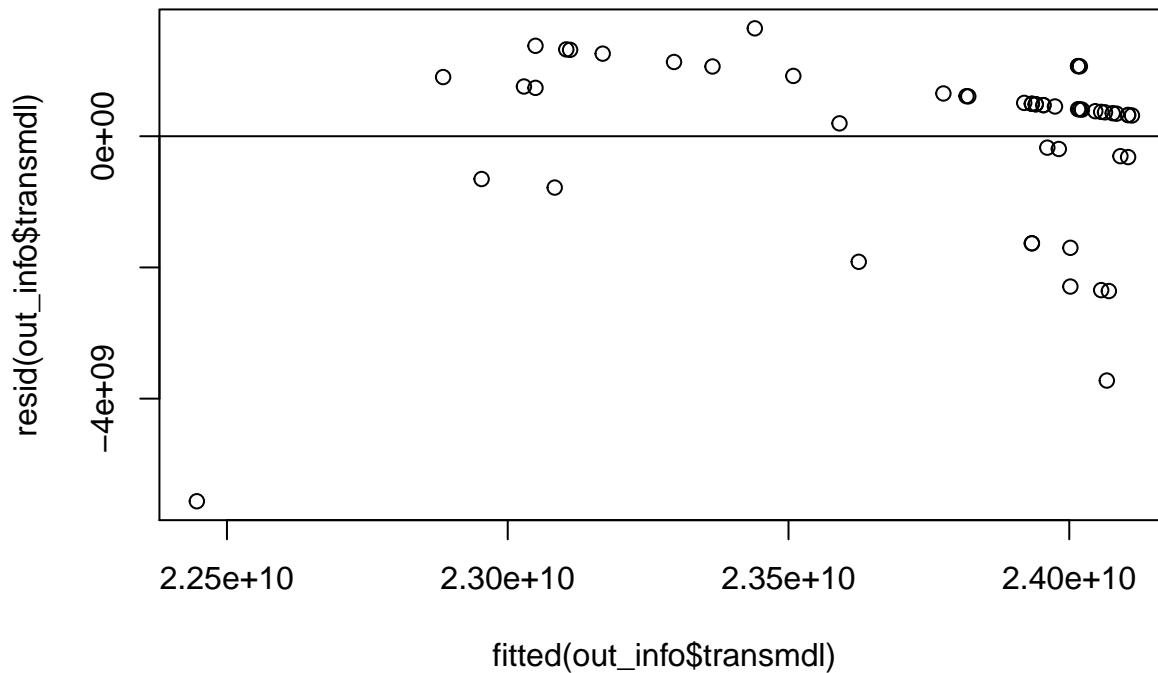
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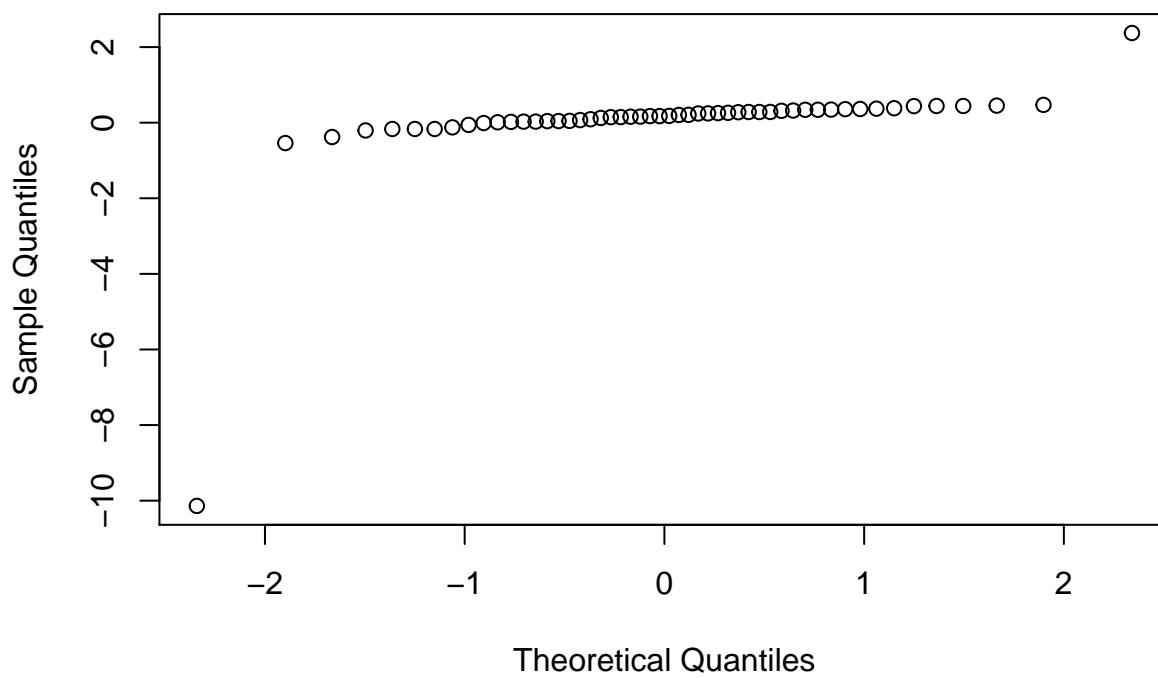
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.MRF  
Plot of PFNAorigEthnicity**



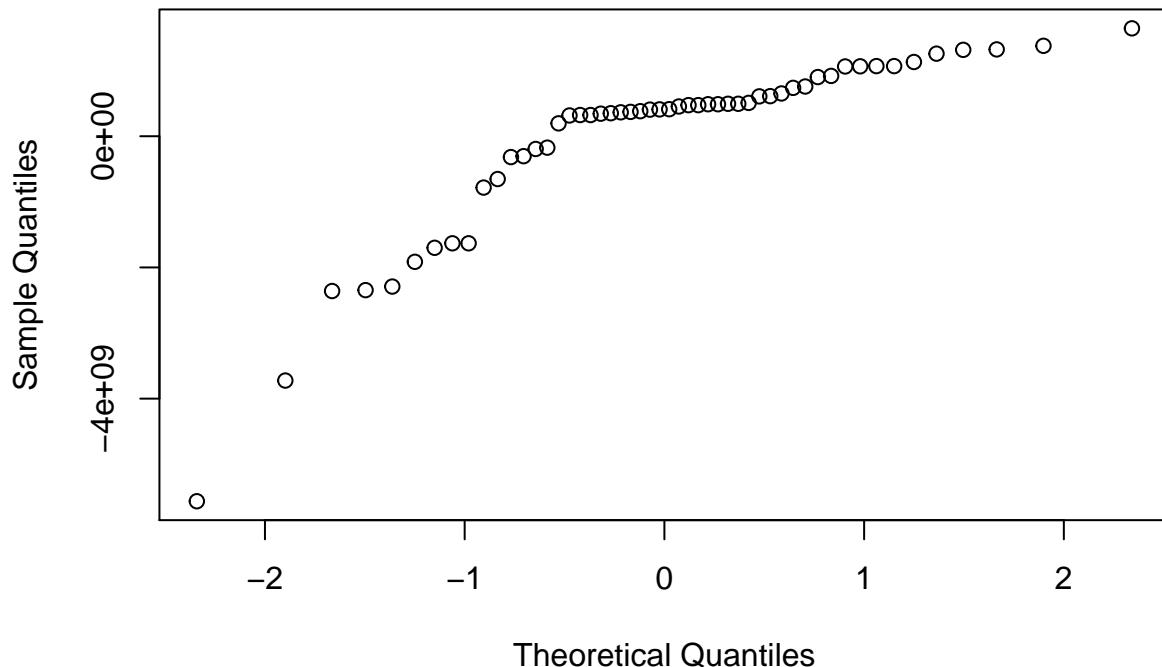
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



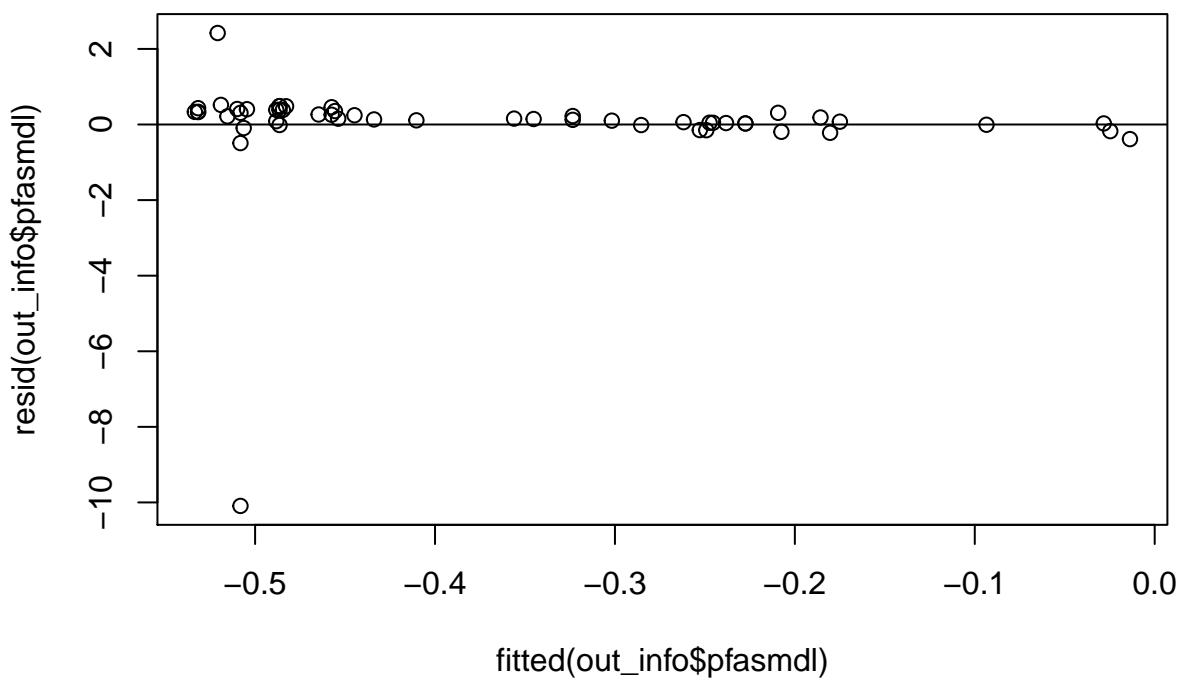
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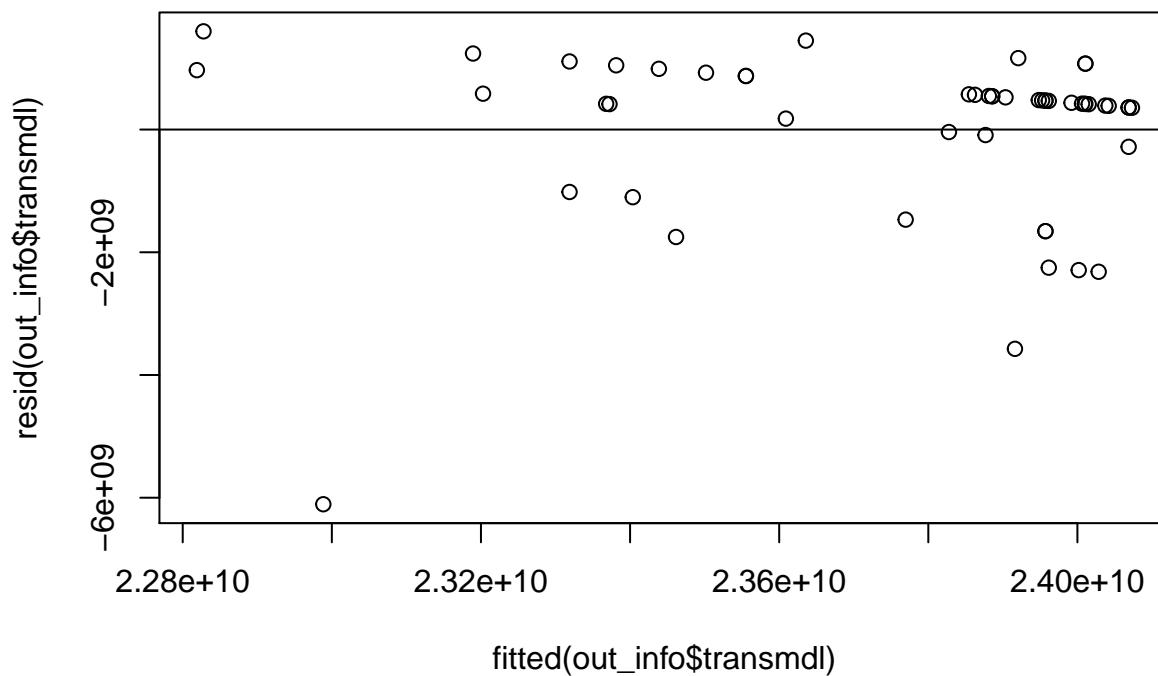
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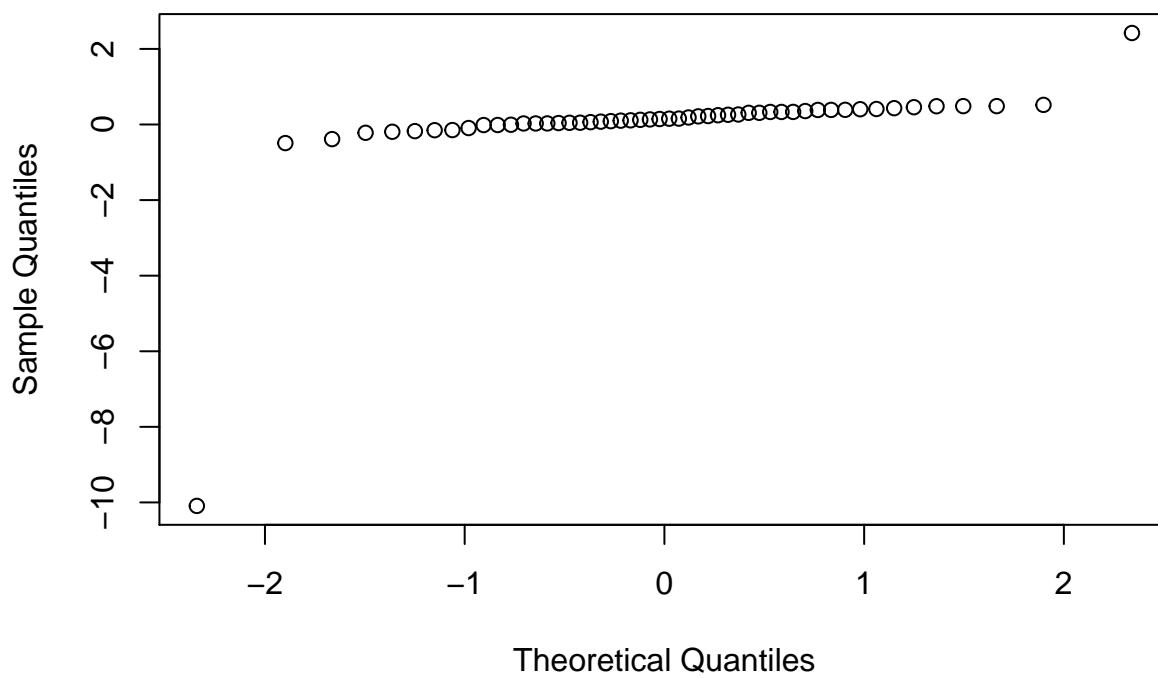
**Plot of PFNAorig+**  
**Plot of PFNAorigdays.since.struc.MRF**  
**Plot of PFNAorigEthnicity**



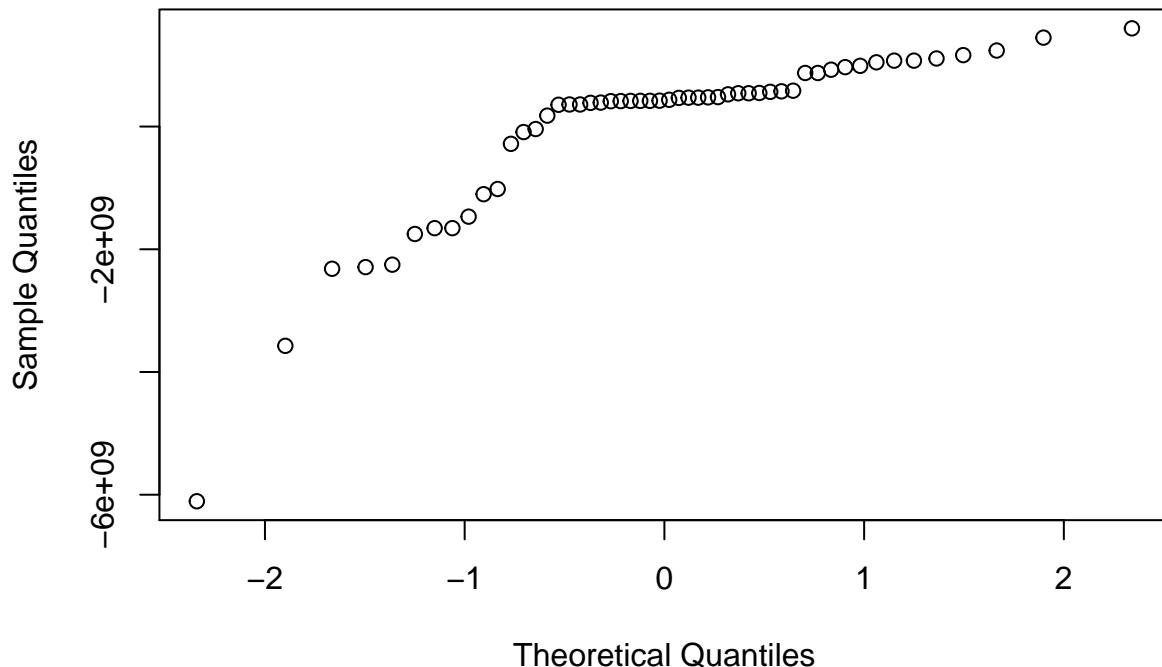
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
Plot of PFOSAtransEthnicity**



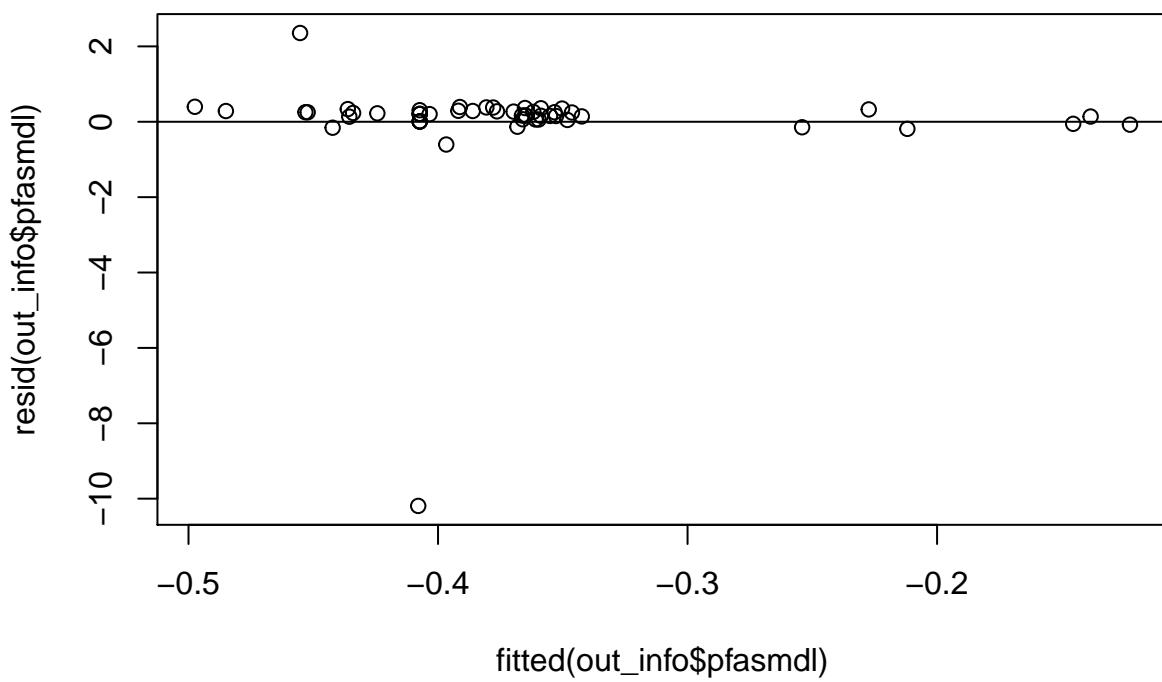
**Normal Q-Q Plot**



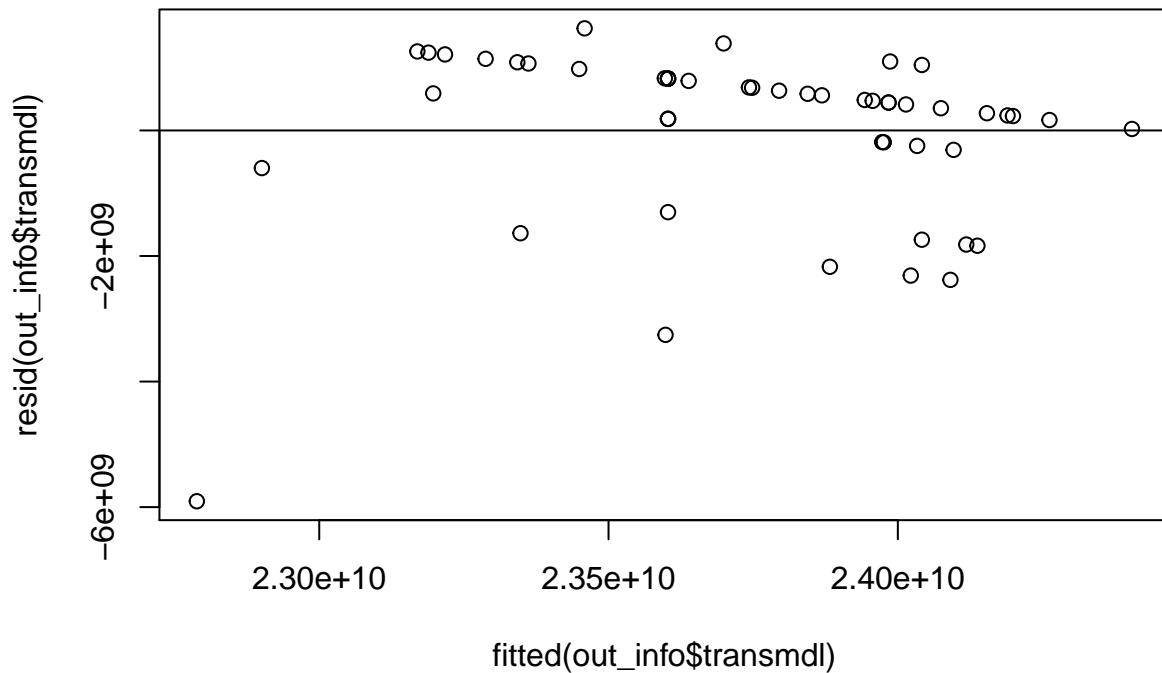
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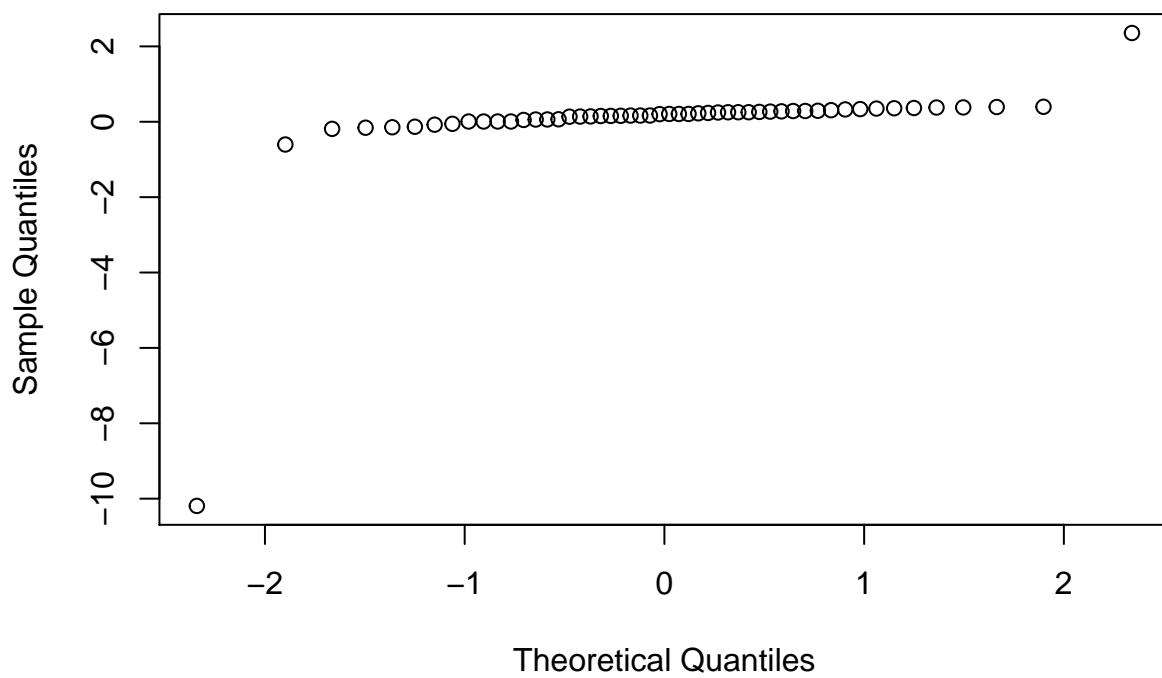
Plot of PFNAorig+  
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Plot of PFNAorigEthnicity



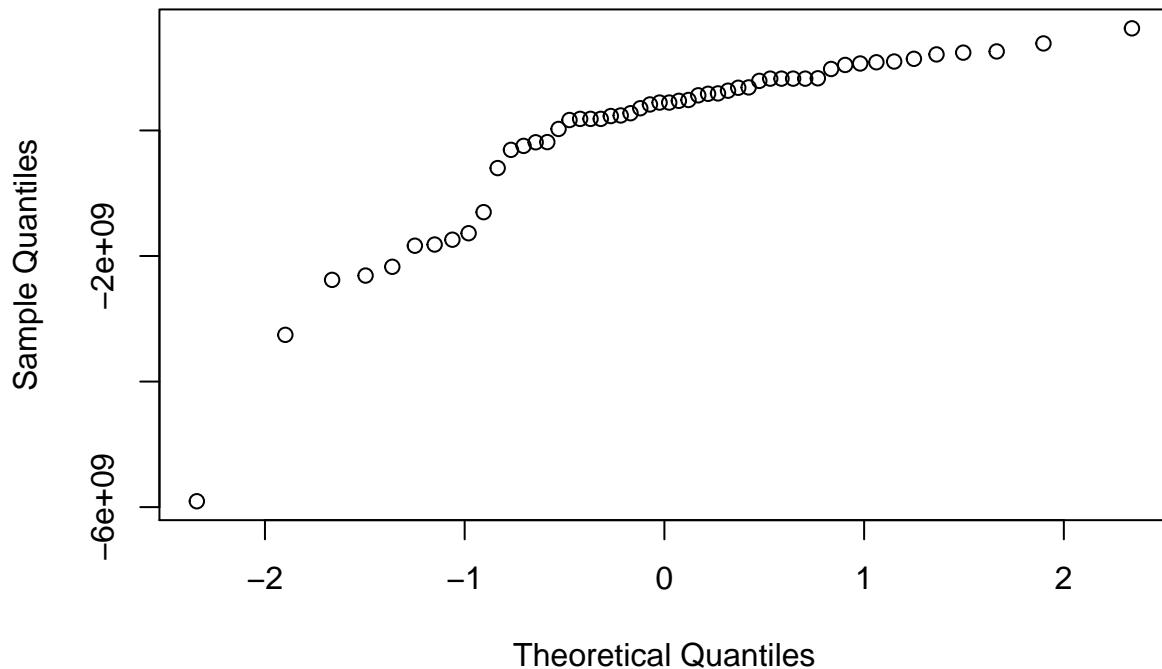
**Plot of PFOSAtrans+  
Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



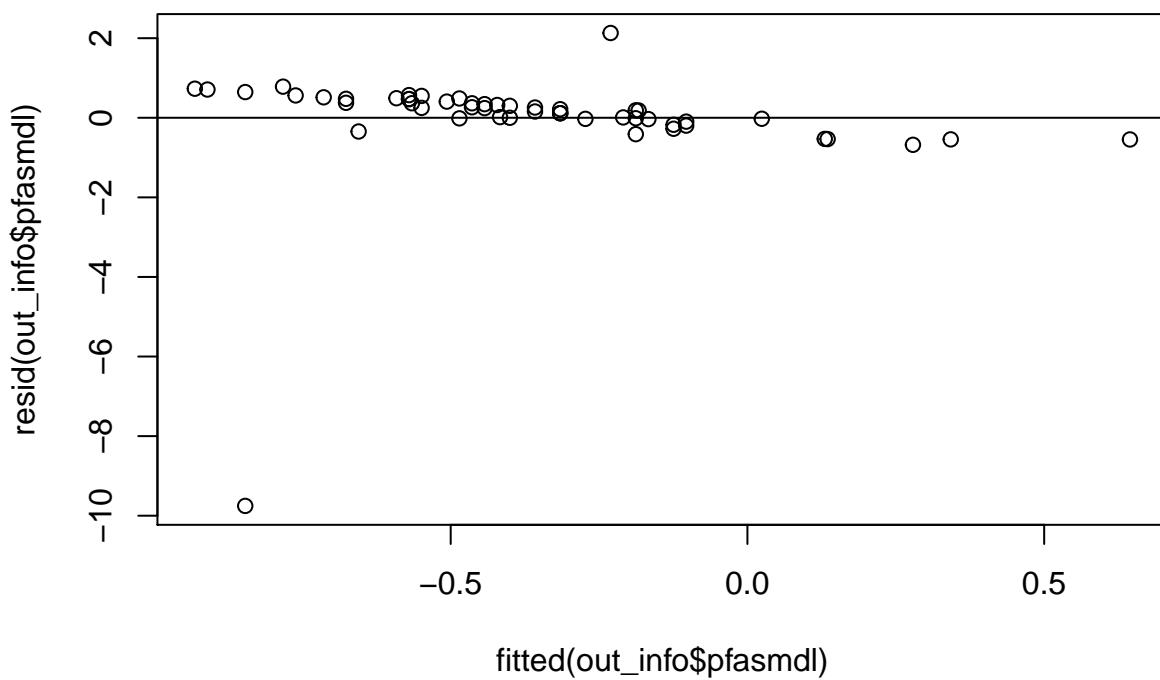
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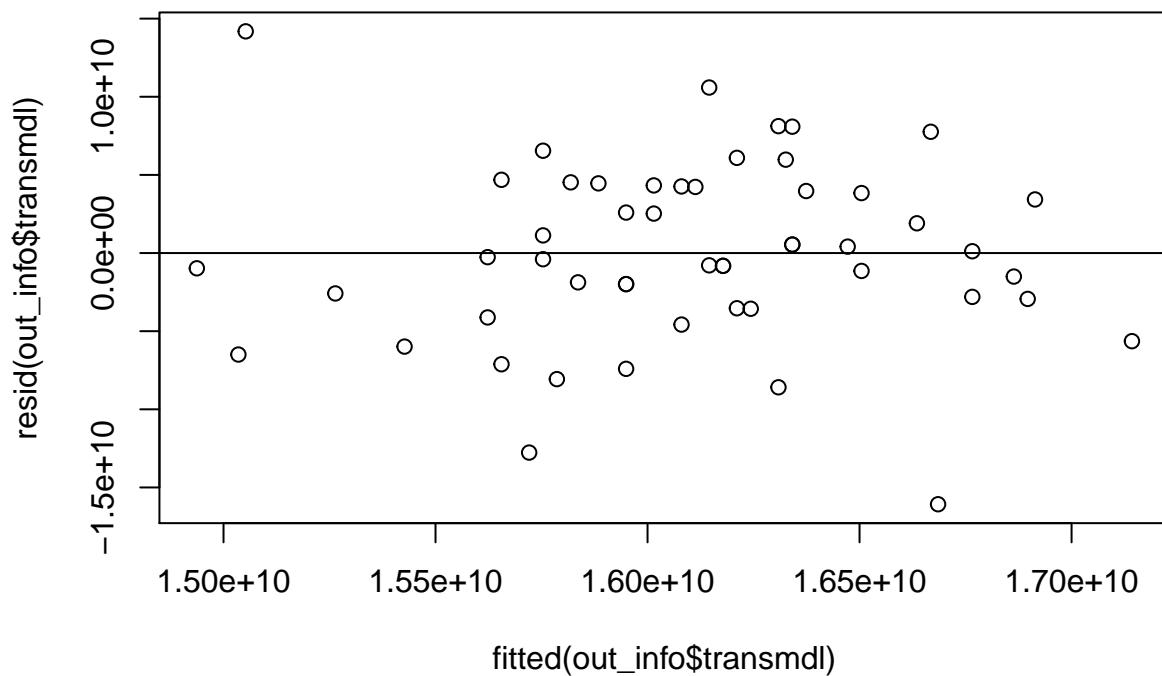
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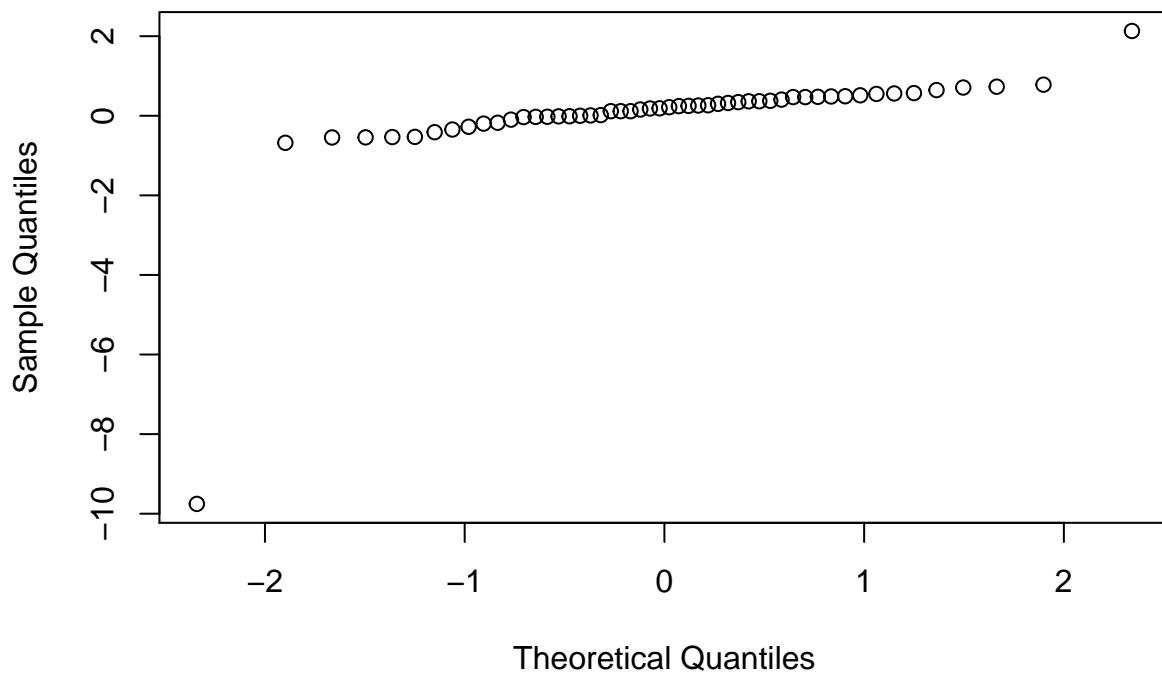
Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity



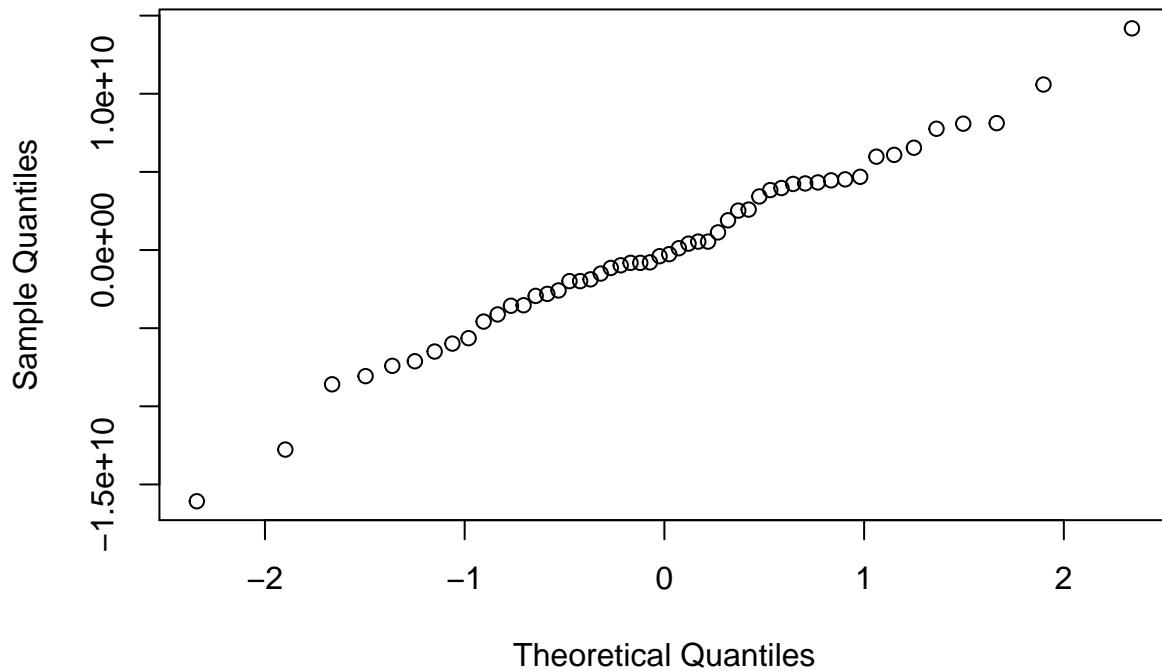
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Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



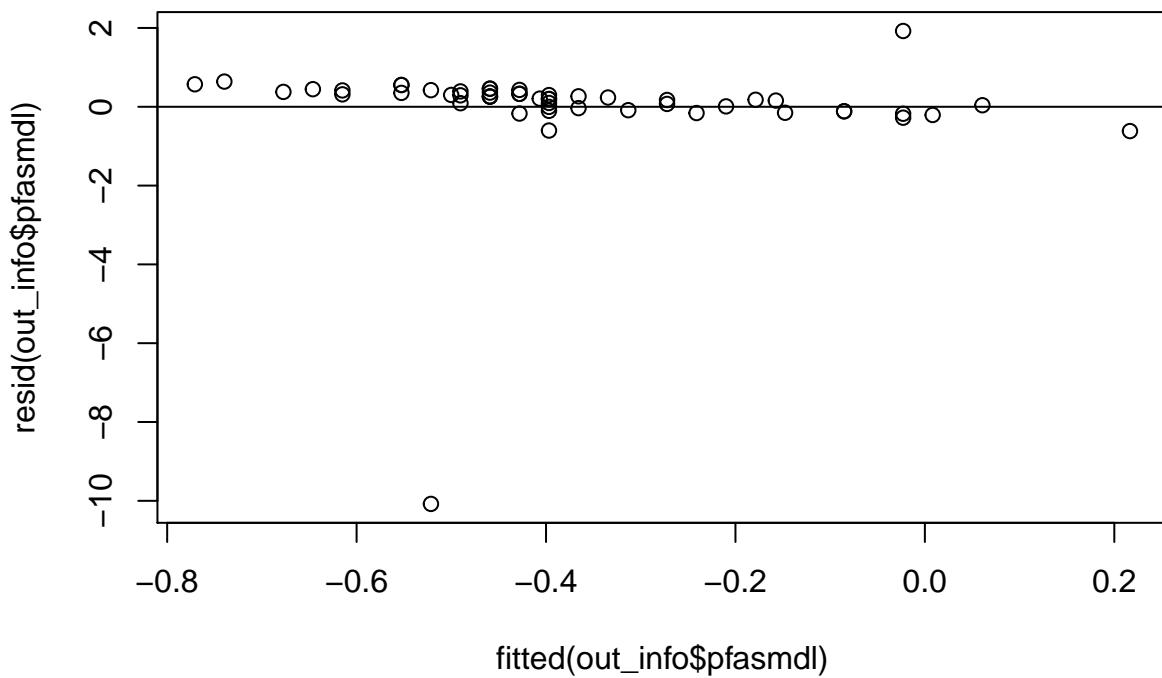
**Normal Q-Q Plot**



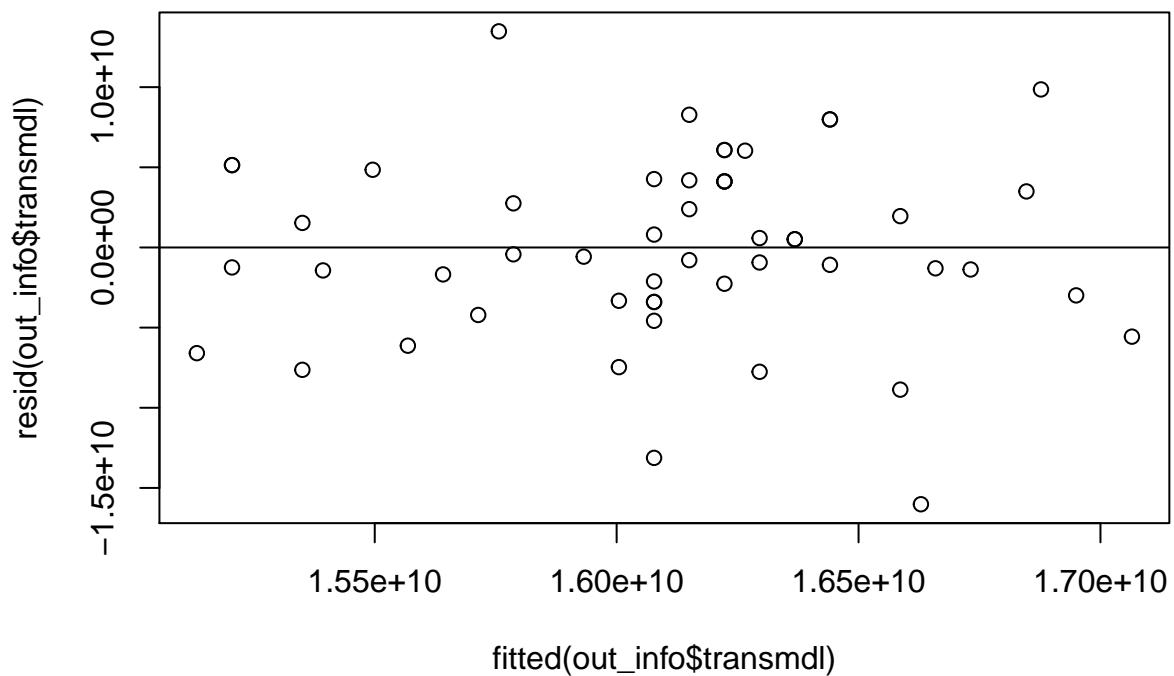
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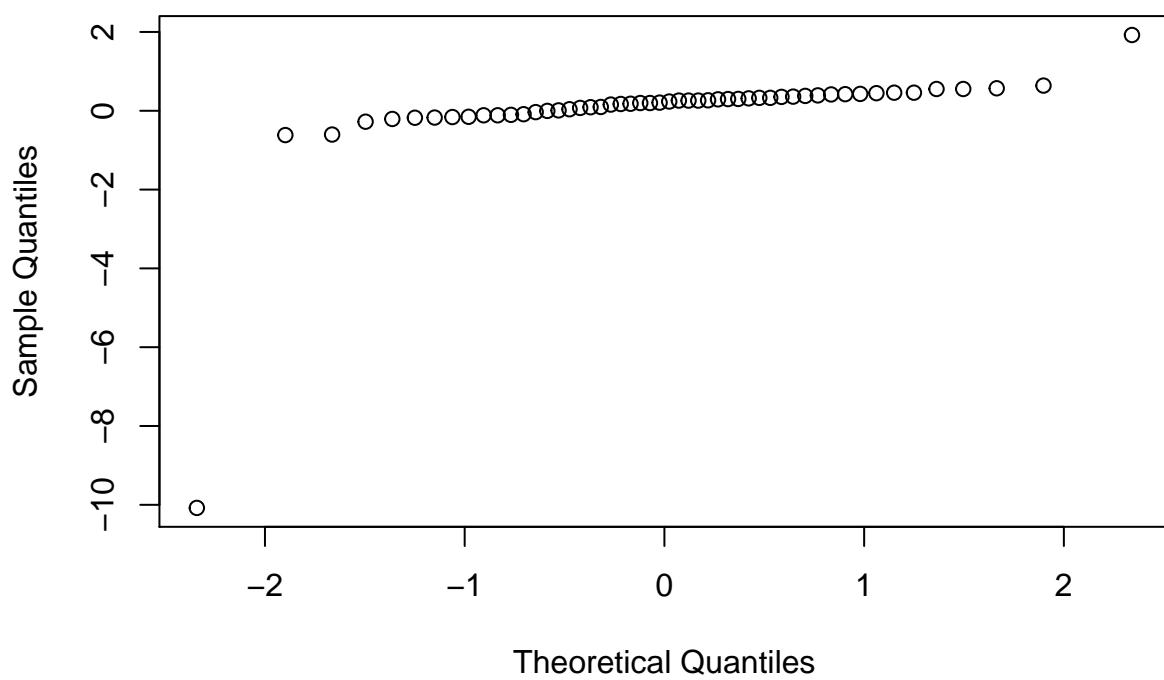
**Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity**



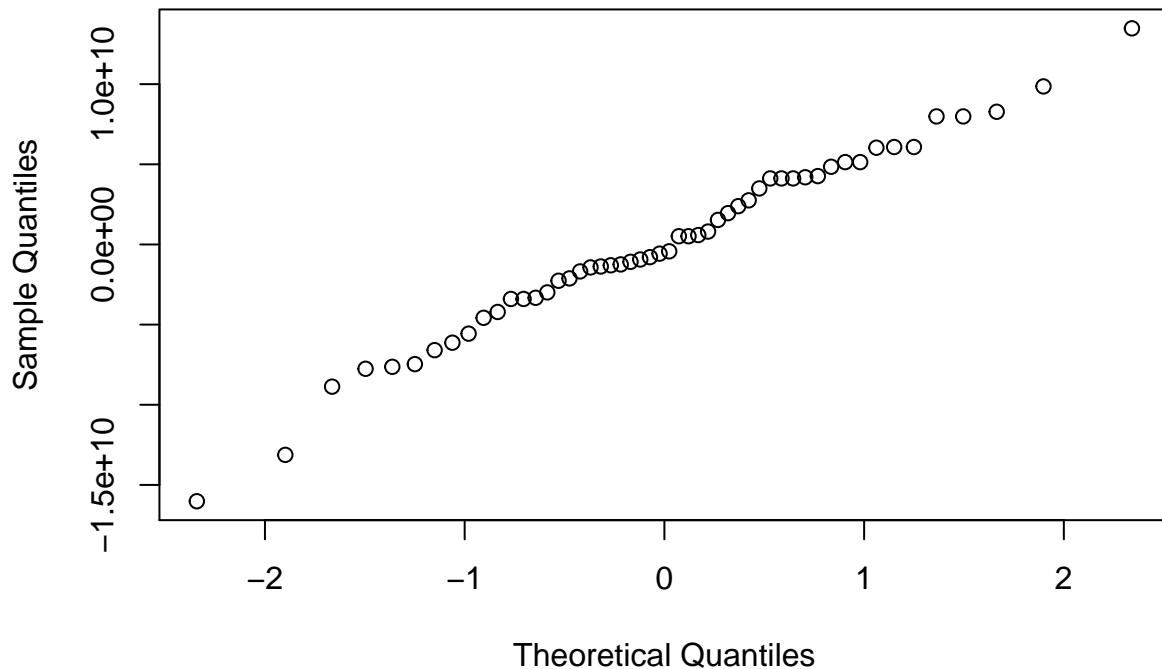
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Plot of fnPFOAtransstr.num.fireruns  
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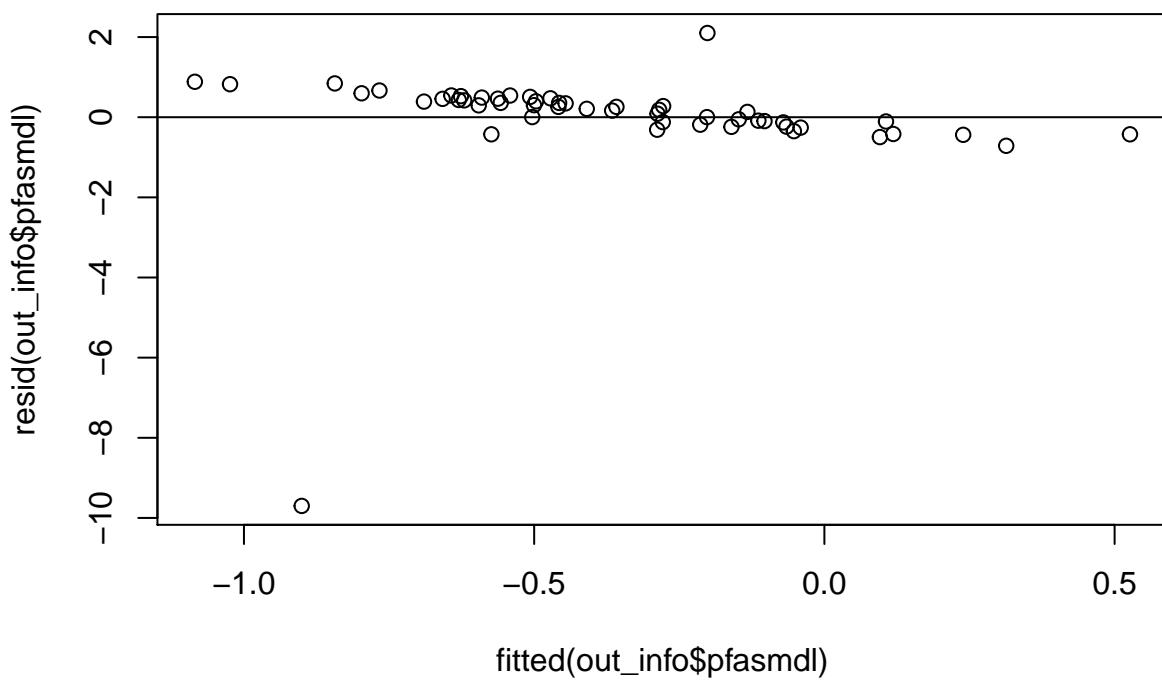
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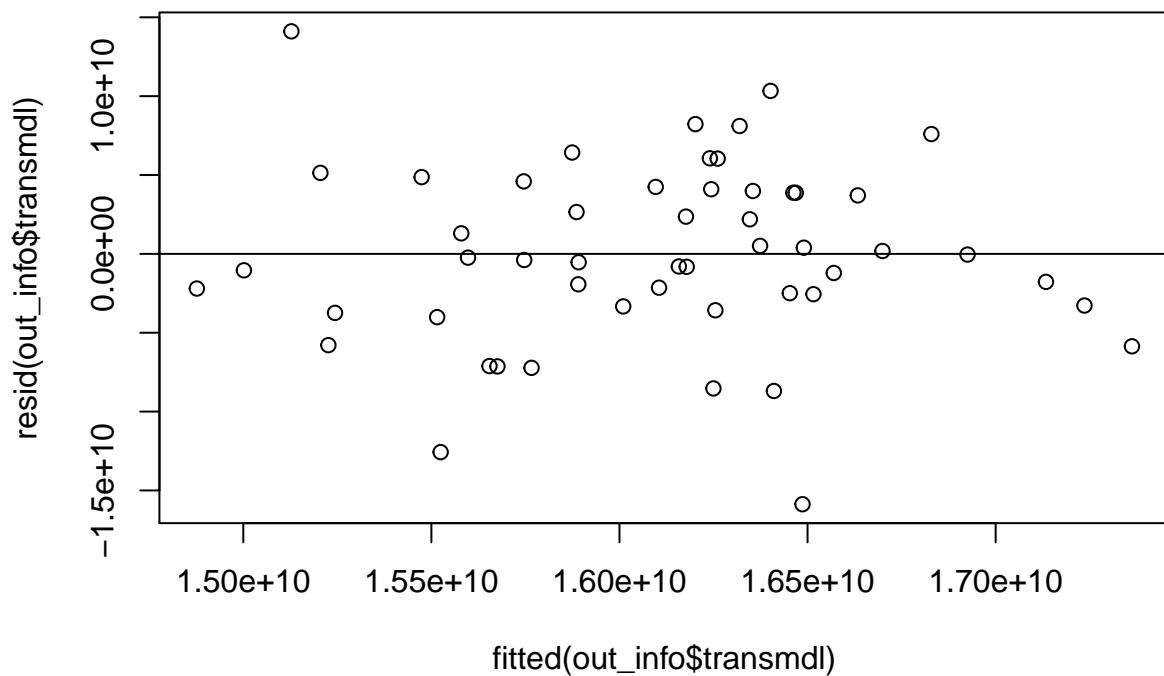
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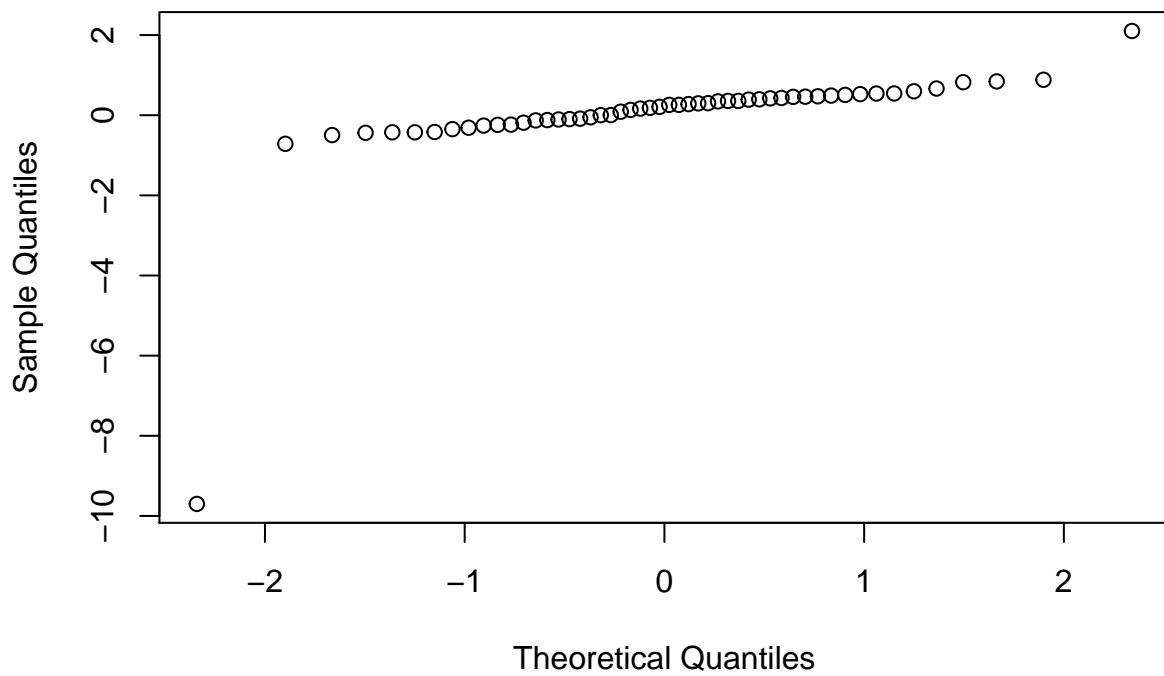
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



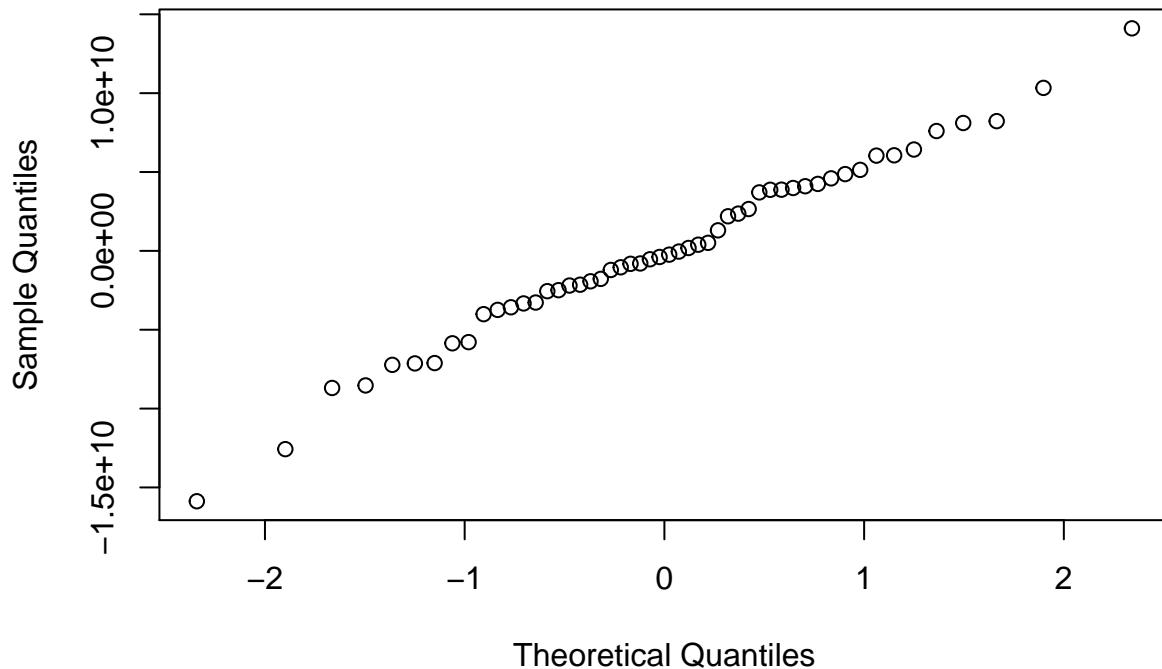
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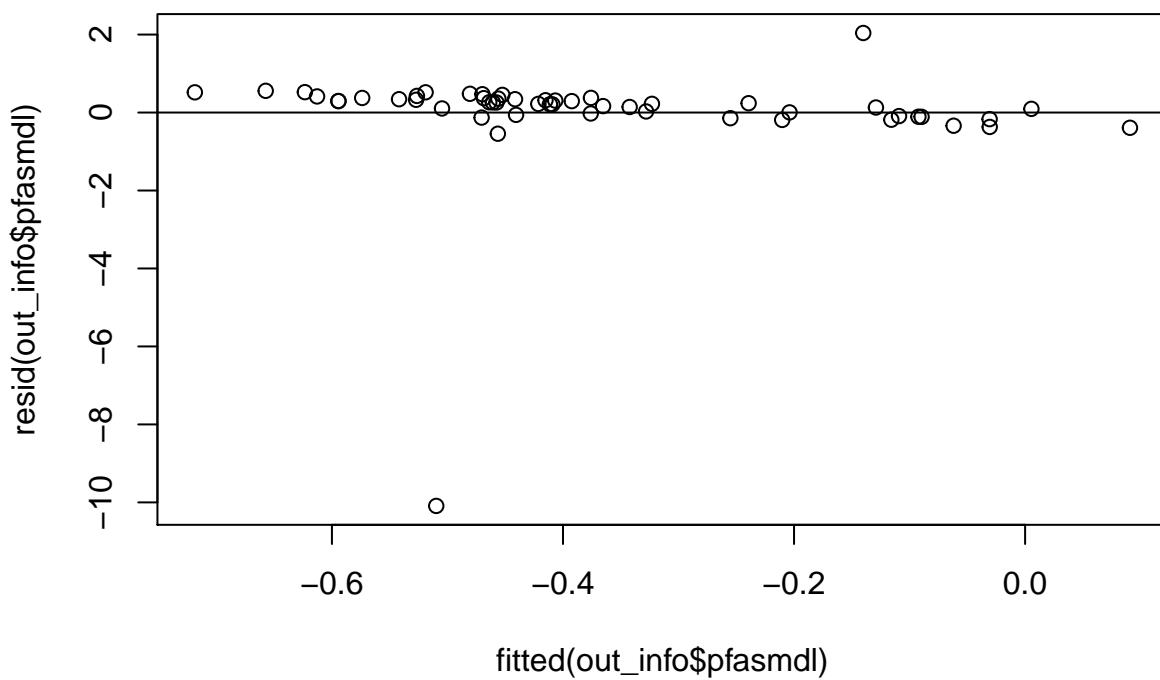
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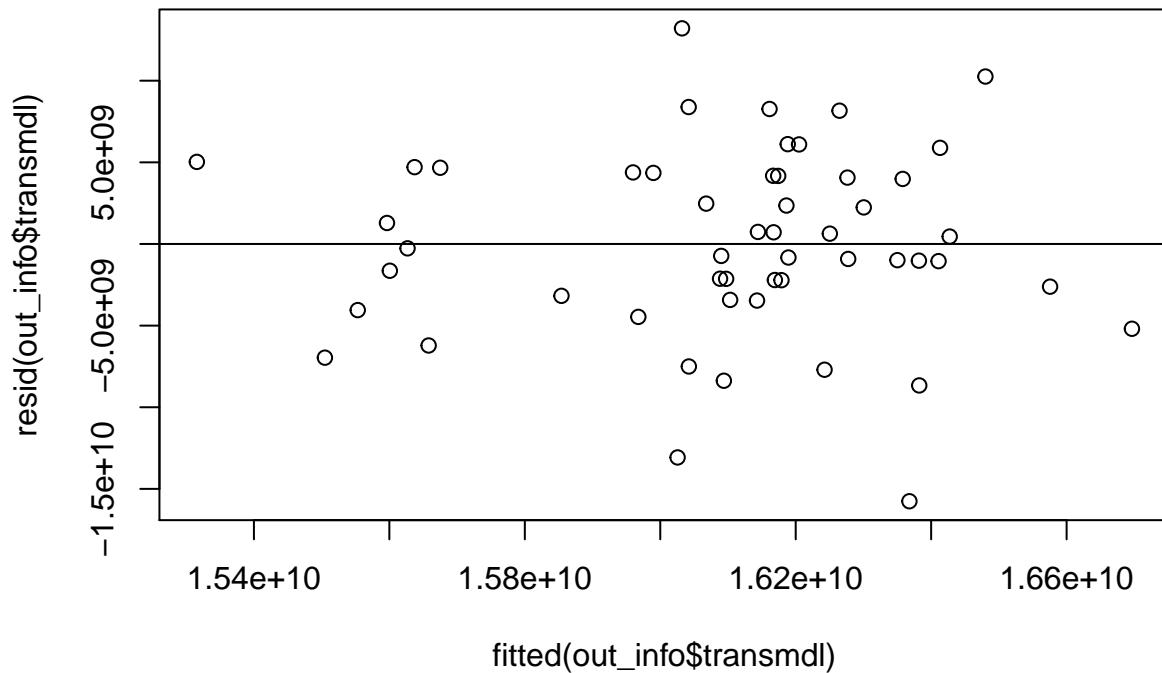
### Normal Q-Q Plot



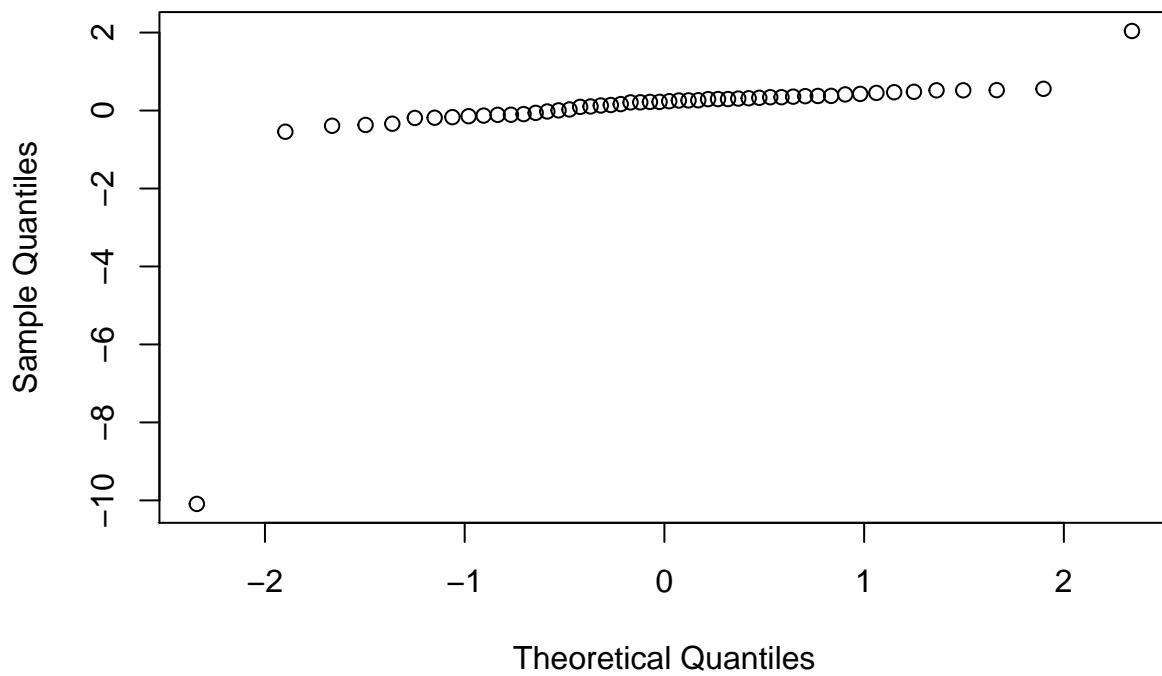
**Plot of PFNAorig+  
Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity**



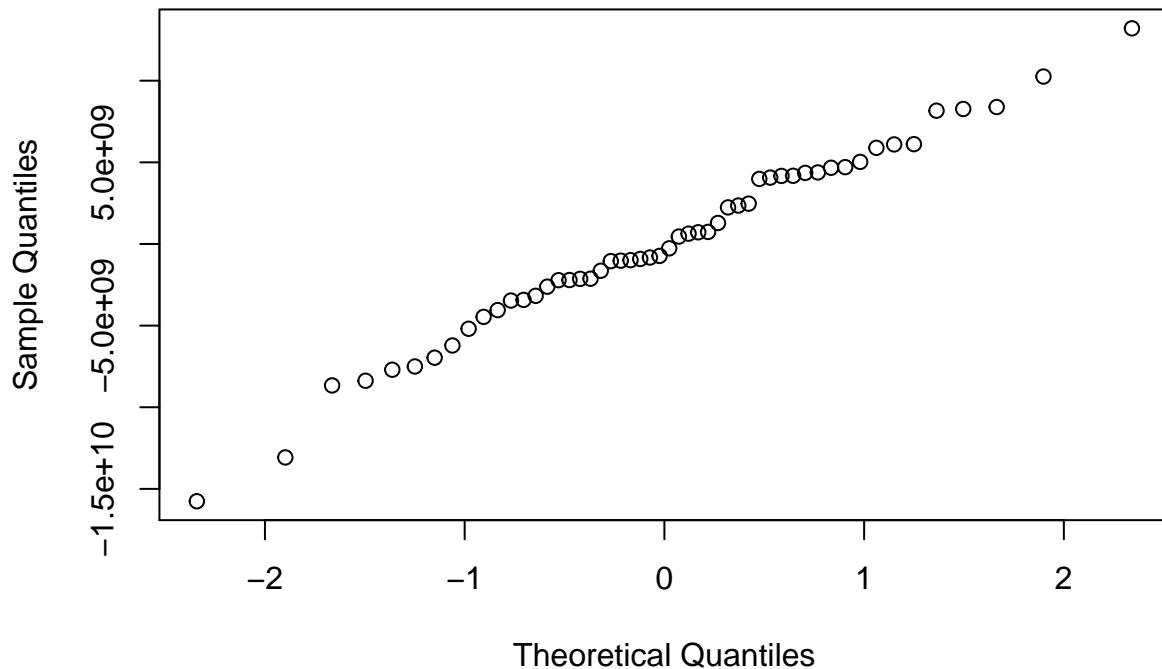
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.duration.hrs  
Plot of fnPFOAtransEthnicity**



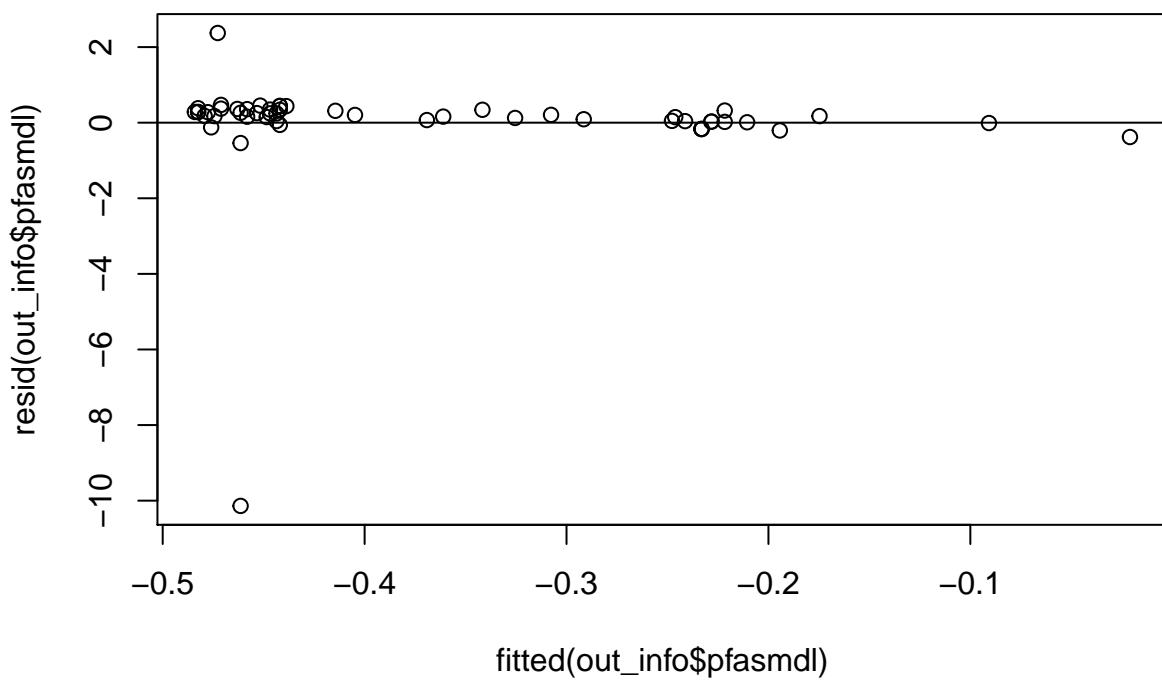
**Normal Q-Q Plot**



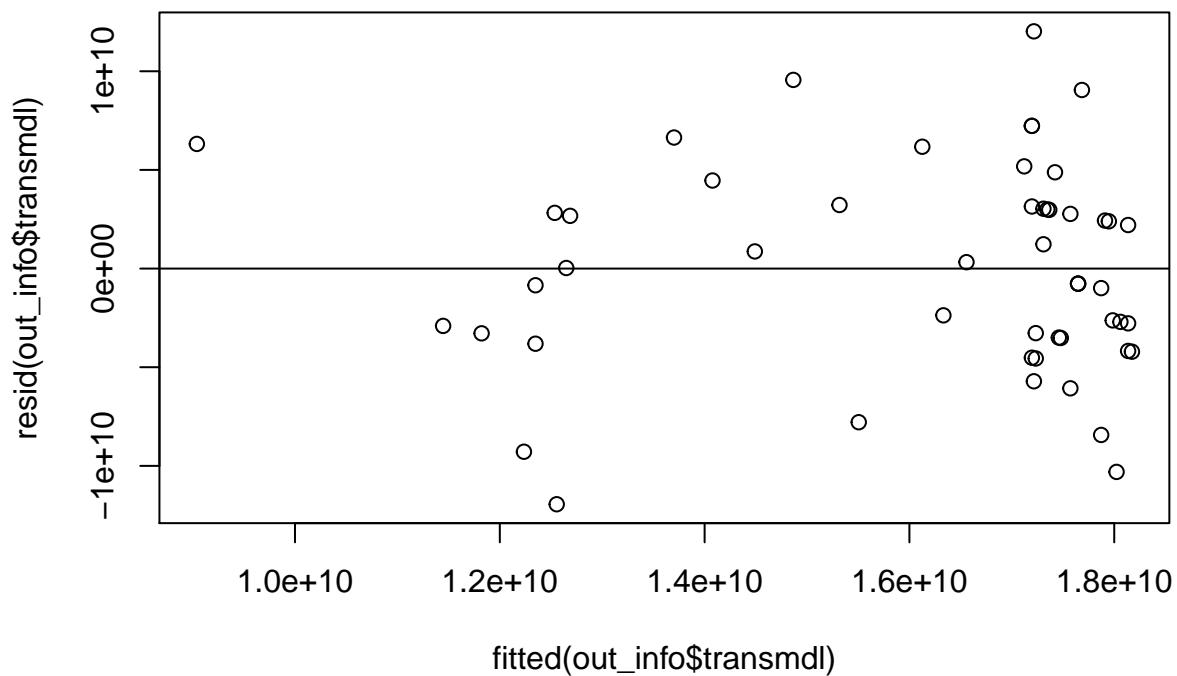
### Normal Q-Q Plot



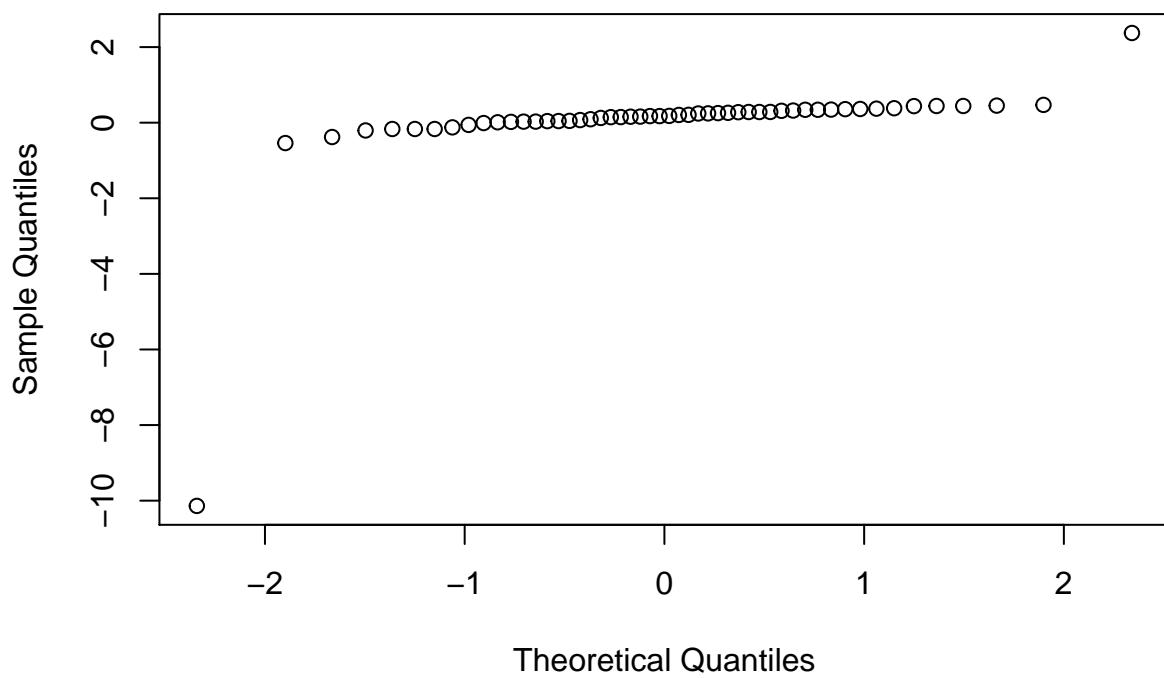
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.MRF  
Plot of PFNAorigEthnicity**



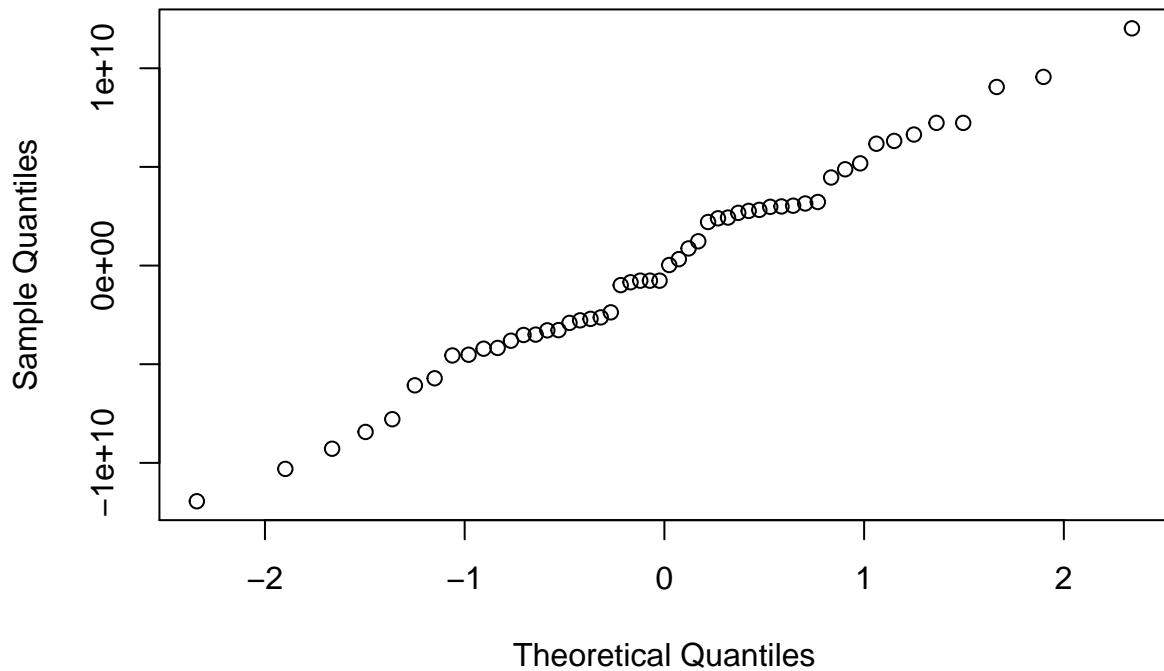
**Plot of nPFOAtrans+  
Plot of nPFOAtransdays.since.MRF  
Plot of nPFOAtransEthnicity**



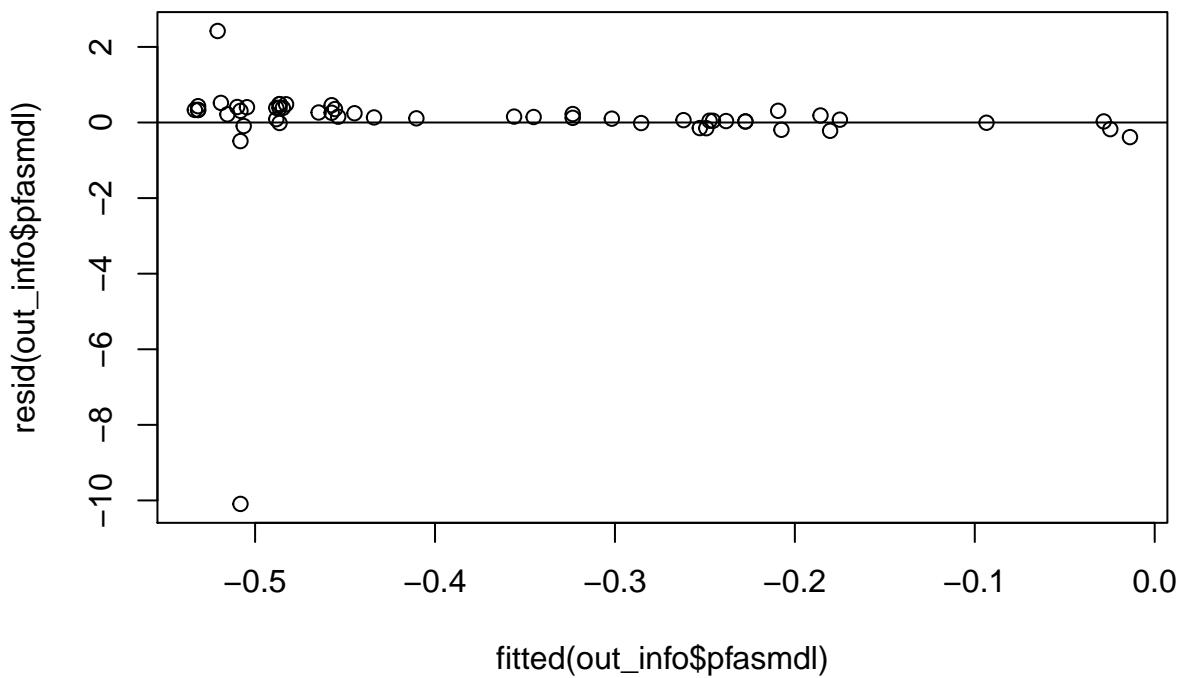
**Normal Q-Q Plot**



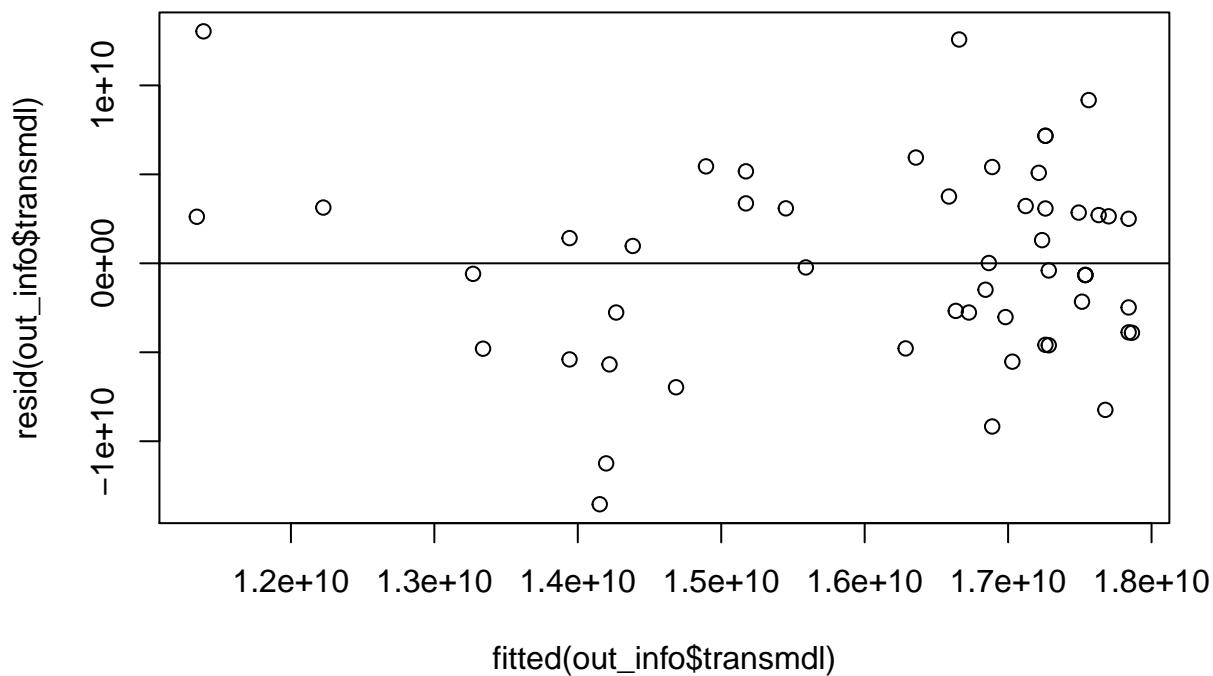
### Normal Q-Q Plot



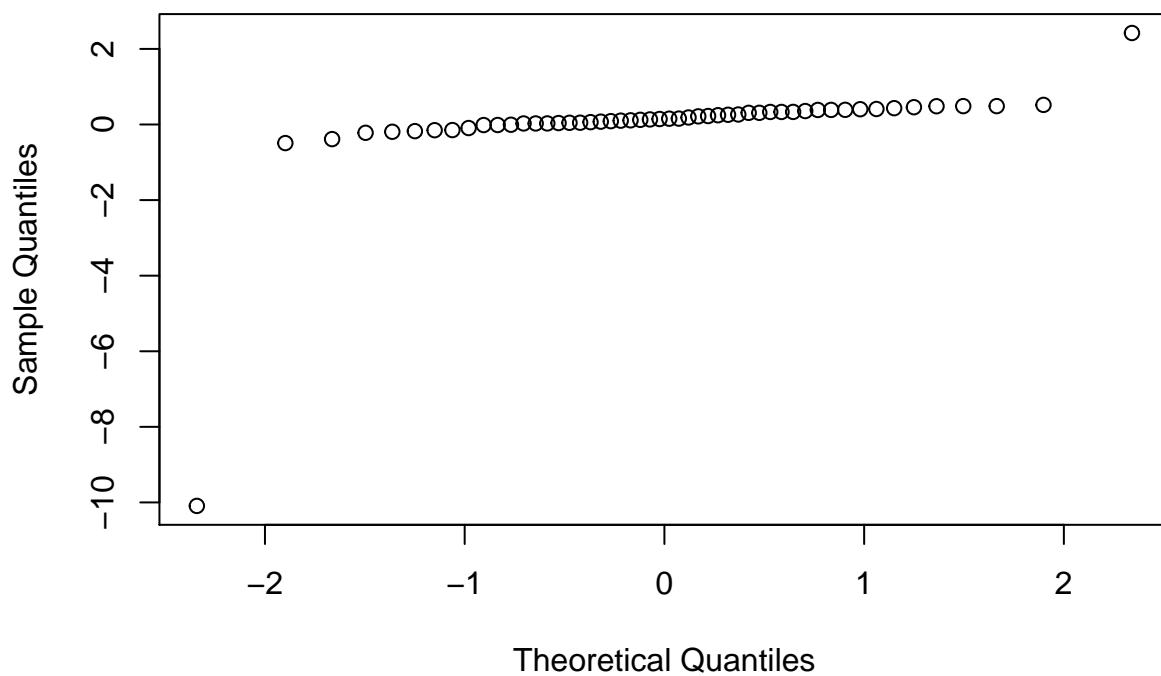
**Plot of PFNAorig+**  
**Plot of PFNAorigdays.since.struc.MRF**  
**Plot of PFNAorigEthnicity**



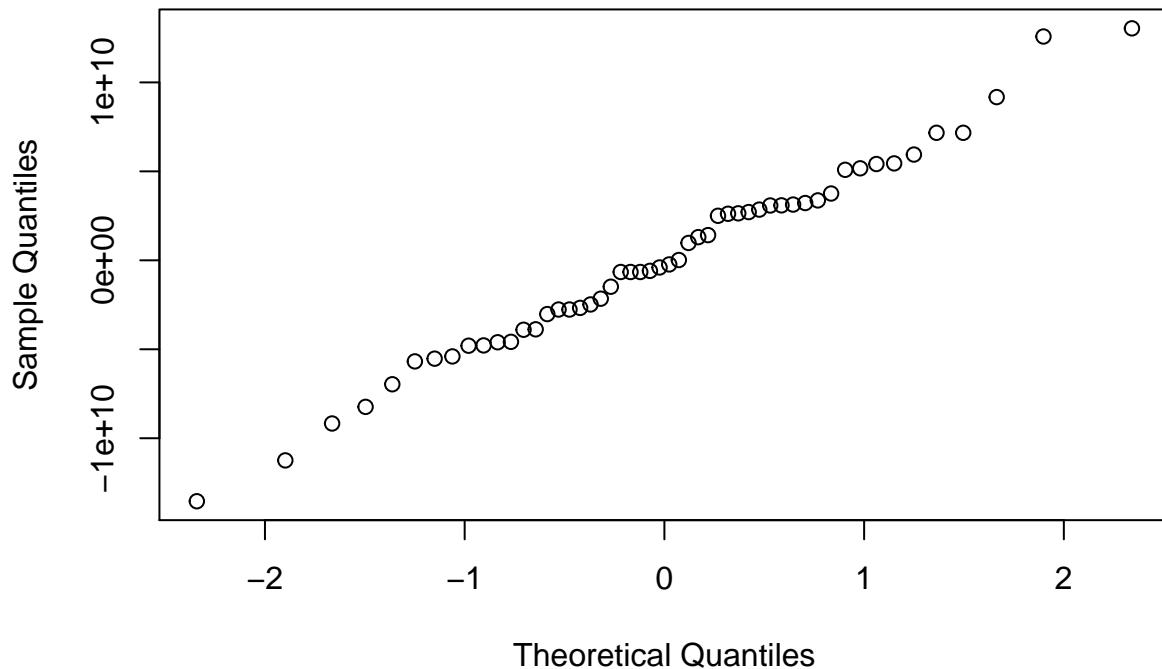
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.struc.MRF  
Plot of fnPFOAtransEthnicity**



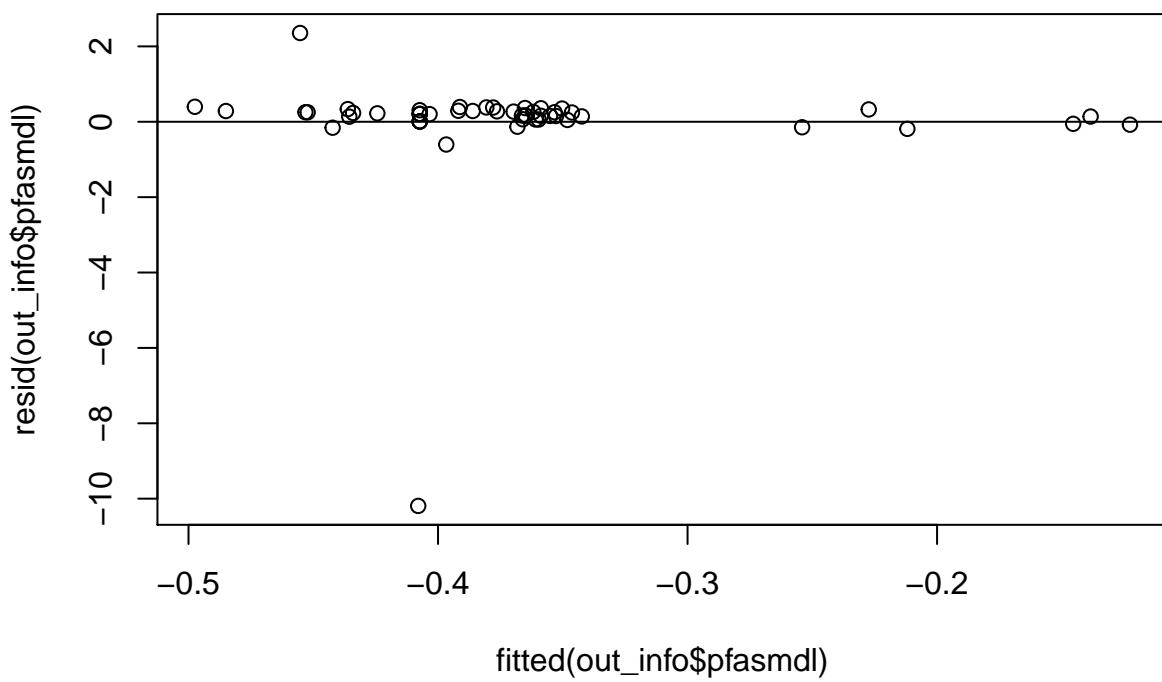
**Normal Q-Q Plot**



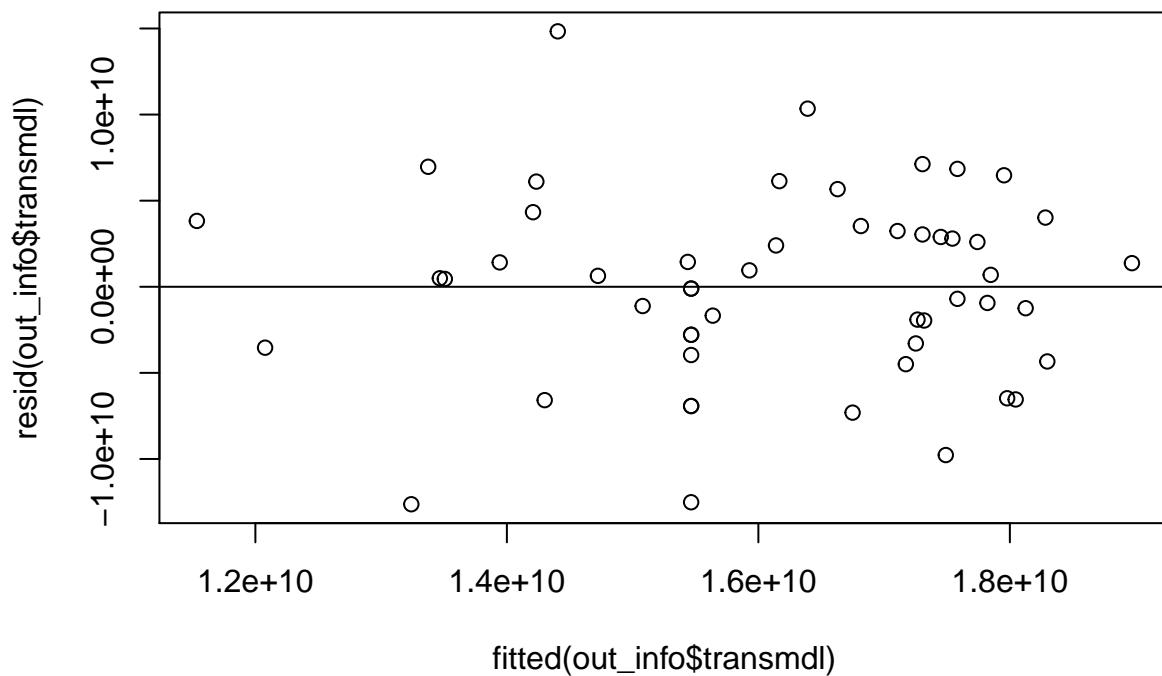
### Normal Q-Q Plot



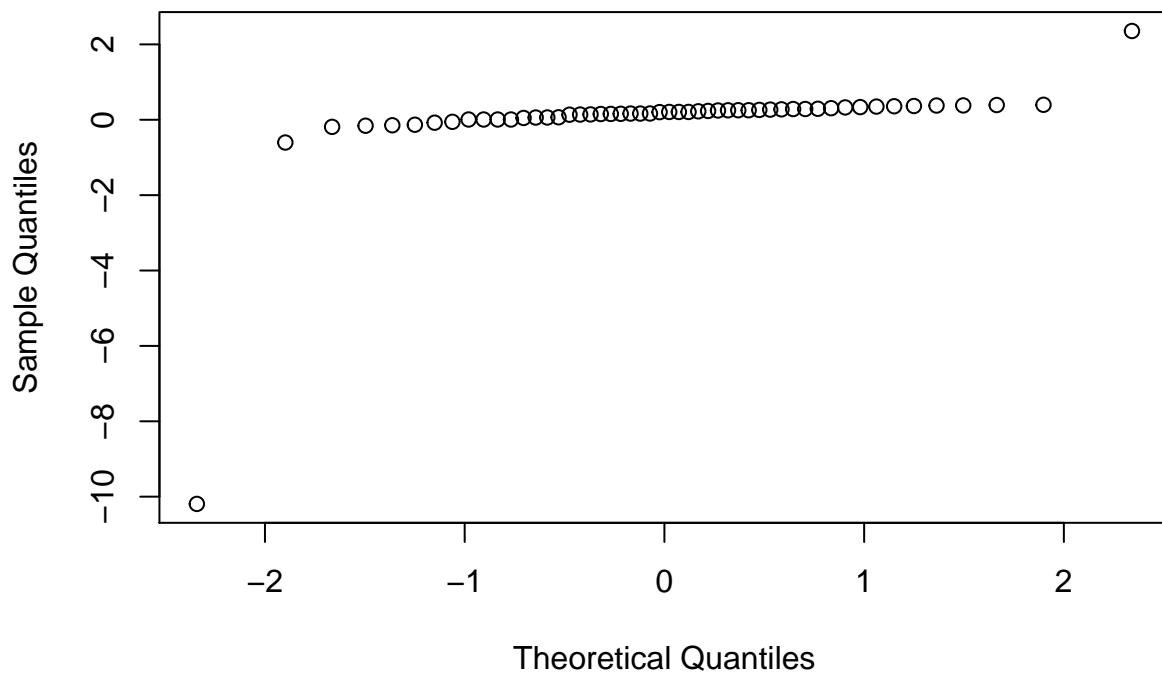
Plot of PFNAorig+  
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Plot of PFNAorigEthnicity



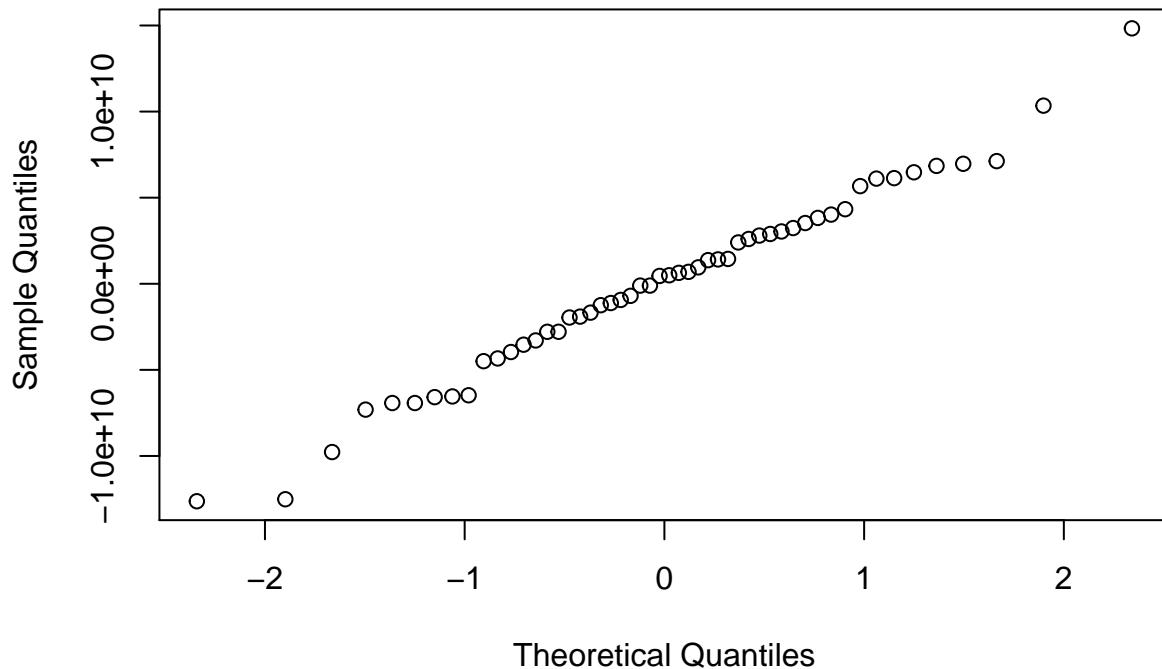
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Plot of nPFOAtranstime.since.baseline  
Plot of nPFOAtransEthnicity**



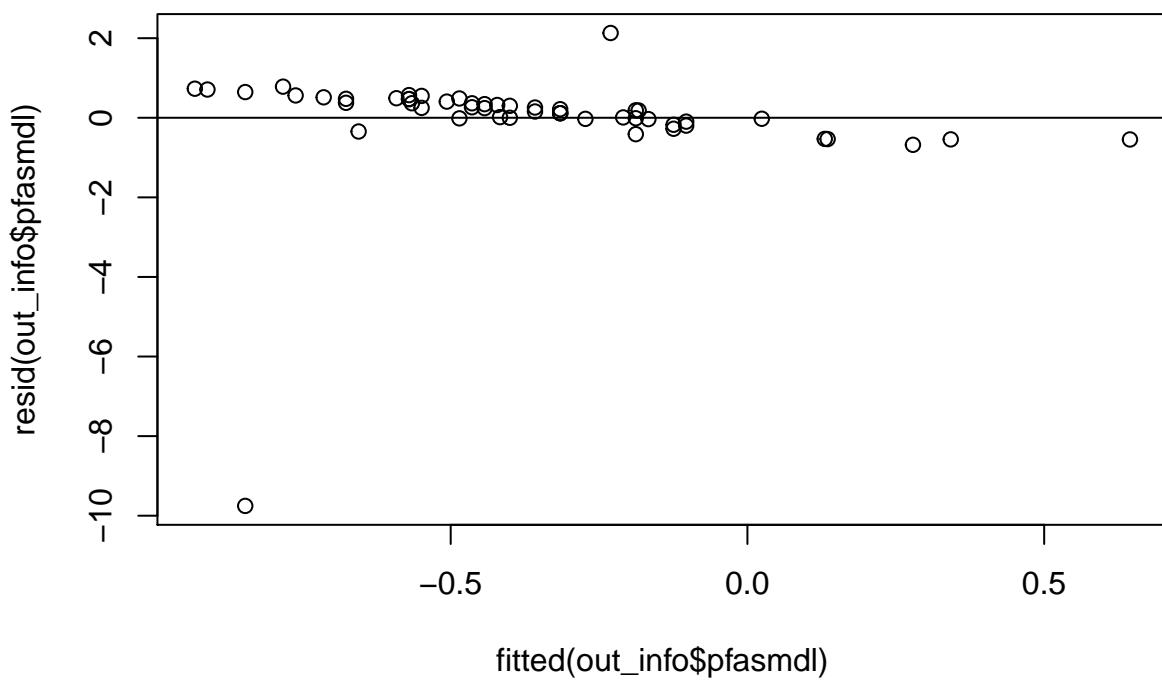
**Normal Q-Q Plot**



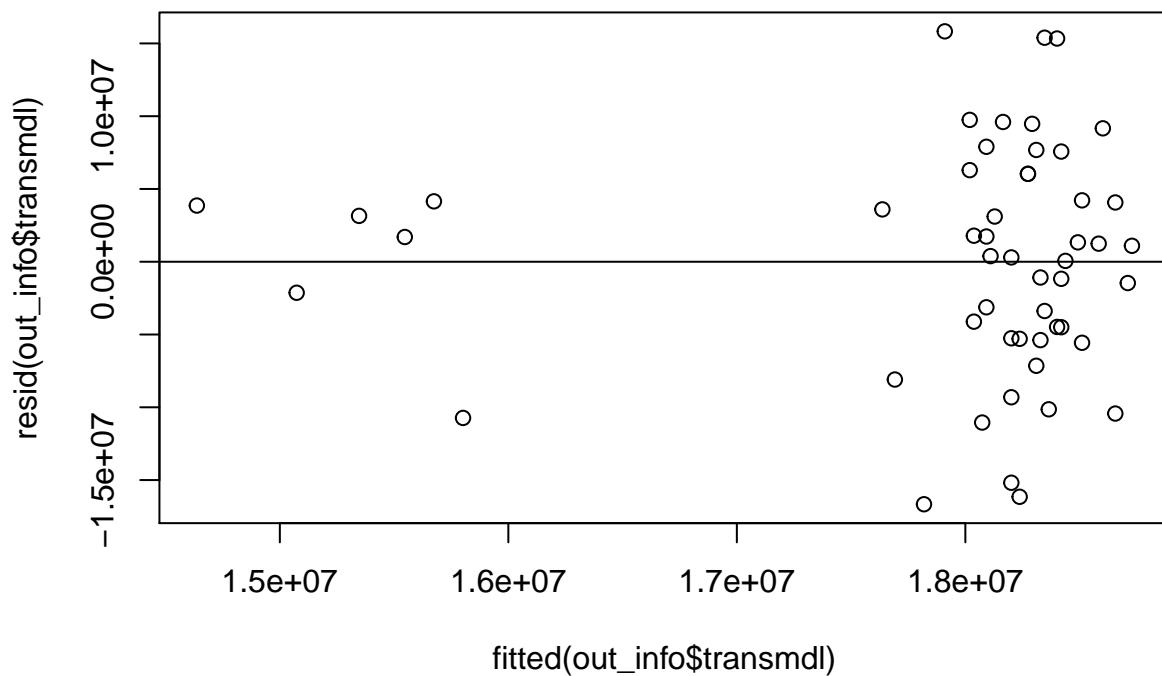
### Normal Q-Q Plot



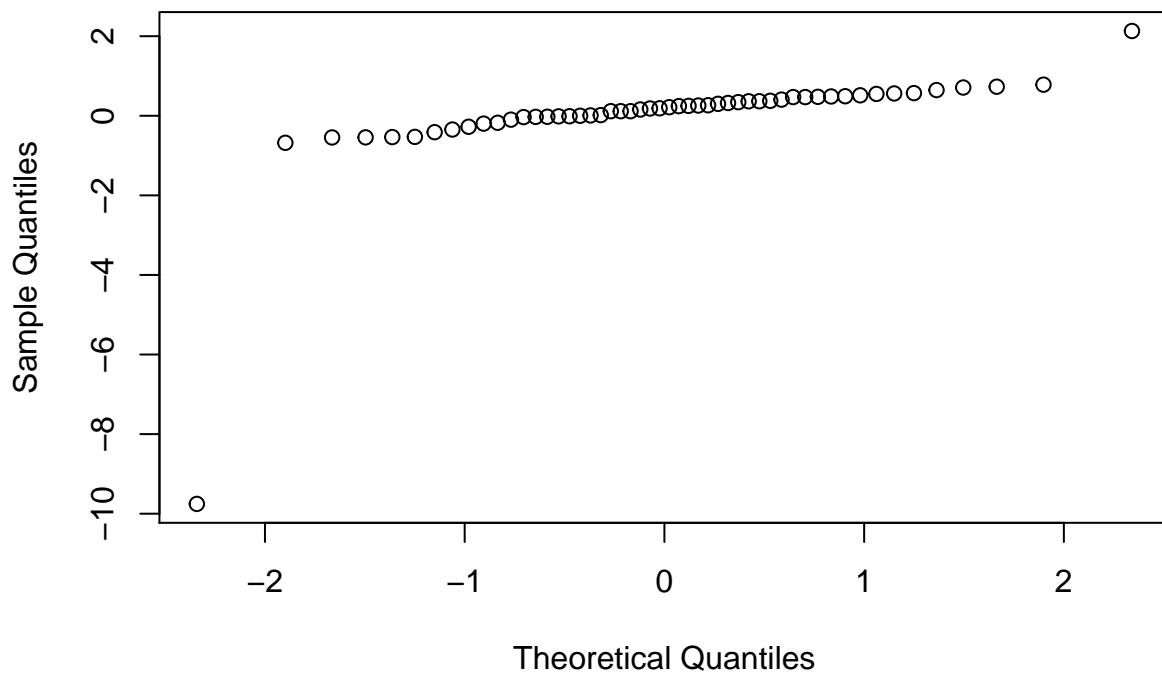
Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity



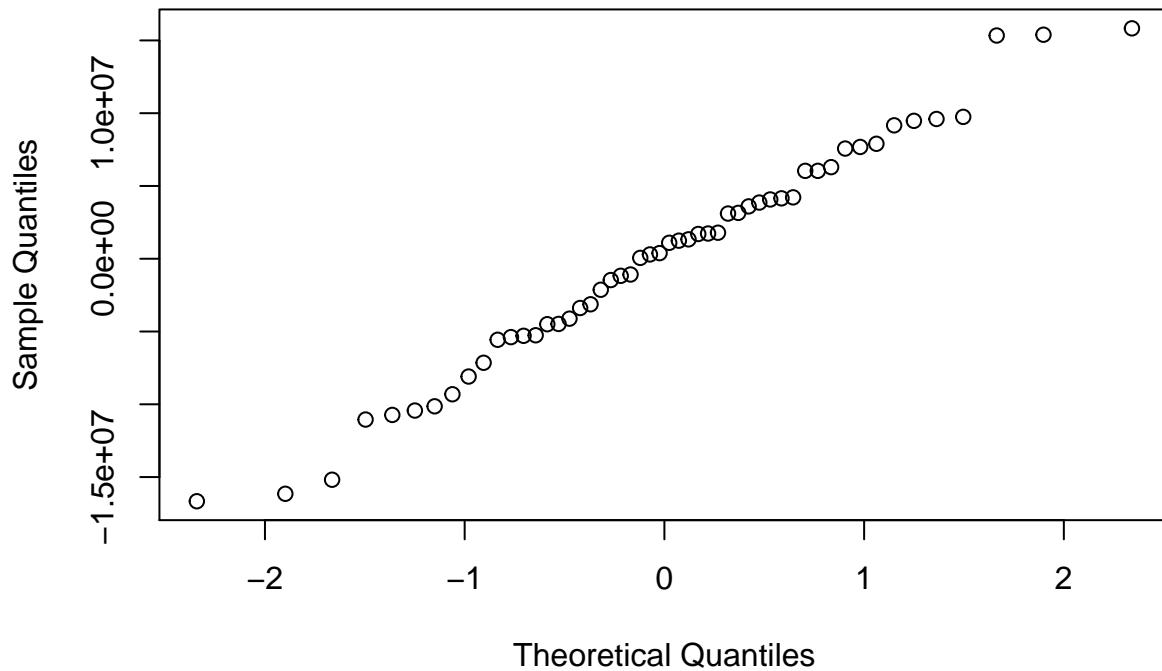
**Plot of fnPFOStrans+  
Plot of fnPFOStrantotal.num.fireruns  
Plot of fnPFOStransEthnicity**



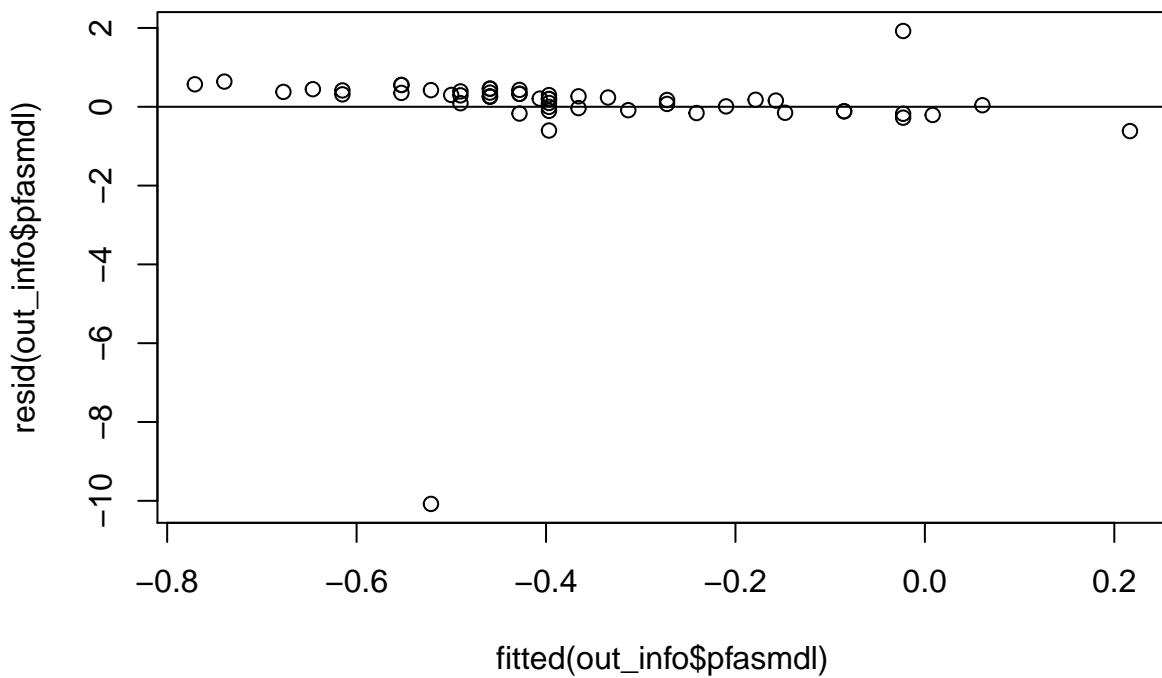
**Normal Q-Q Plot**



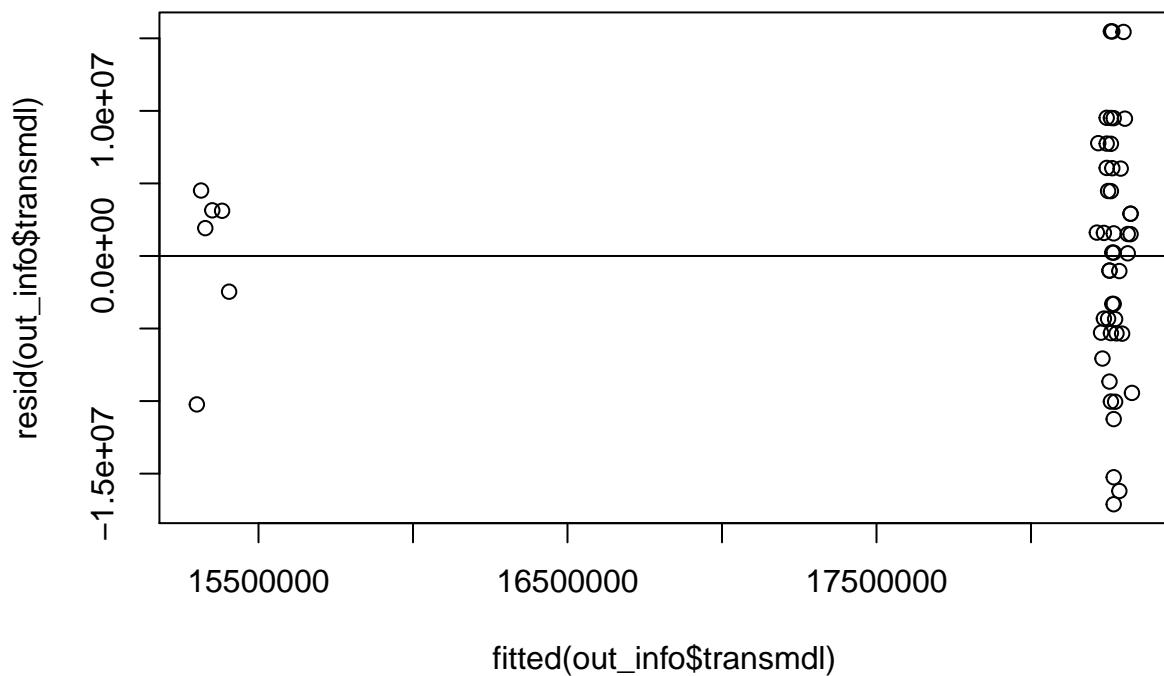
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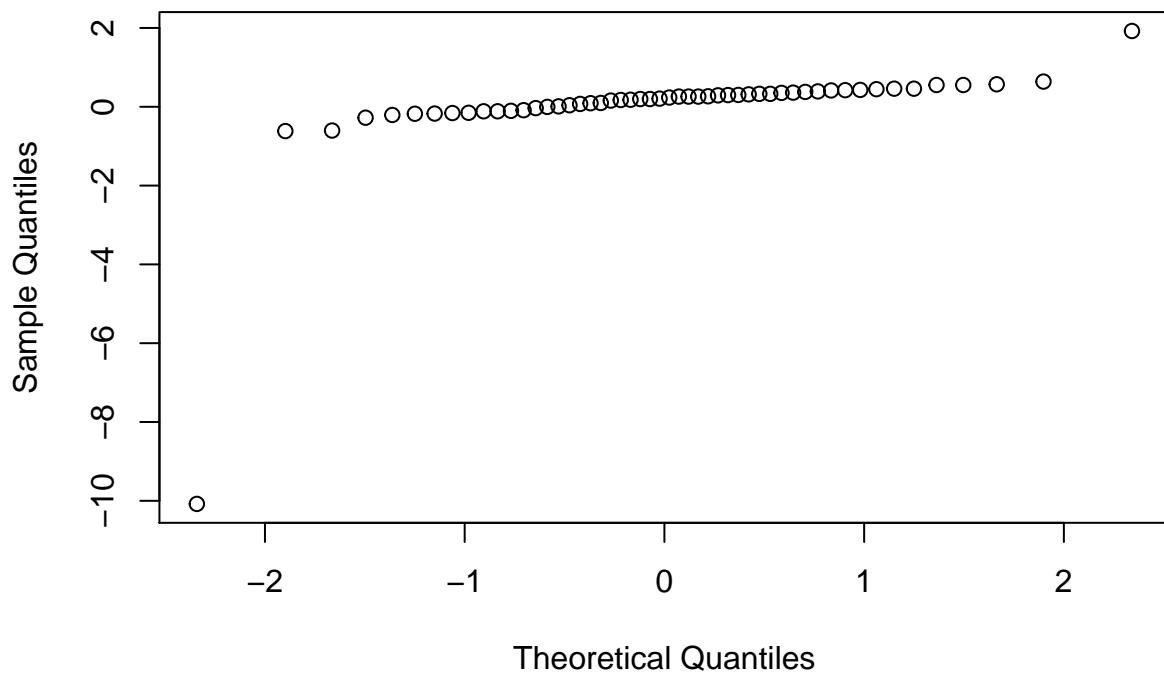
**Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity**



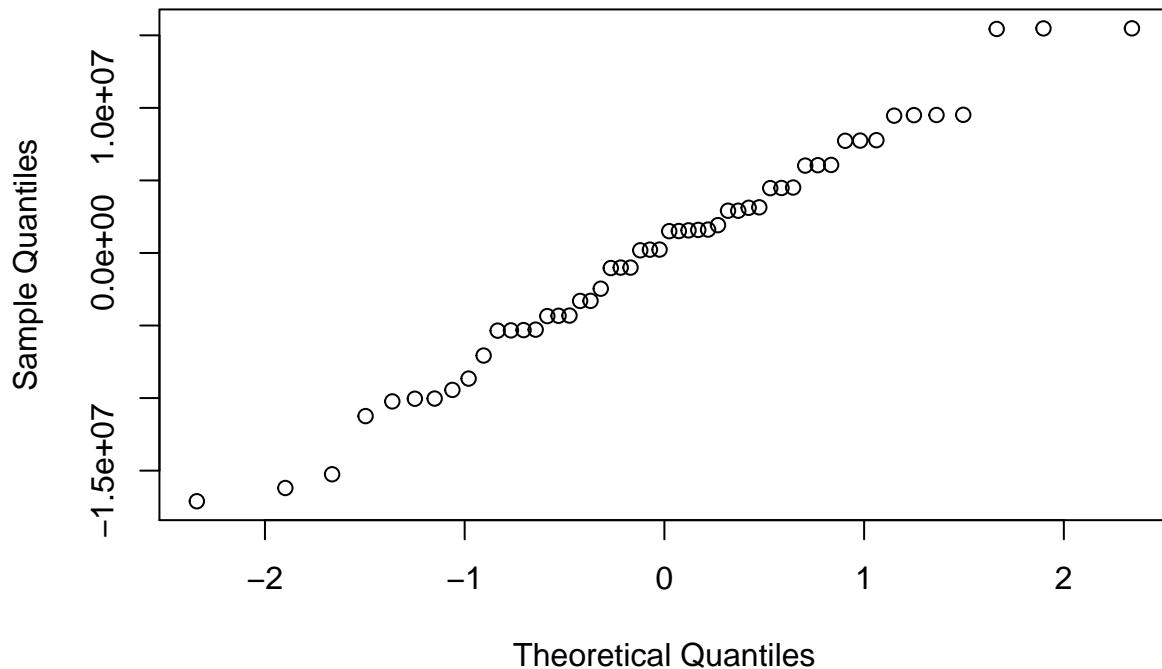
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Plot of fnPFOStransEthnicity**



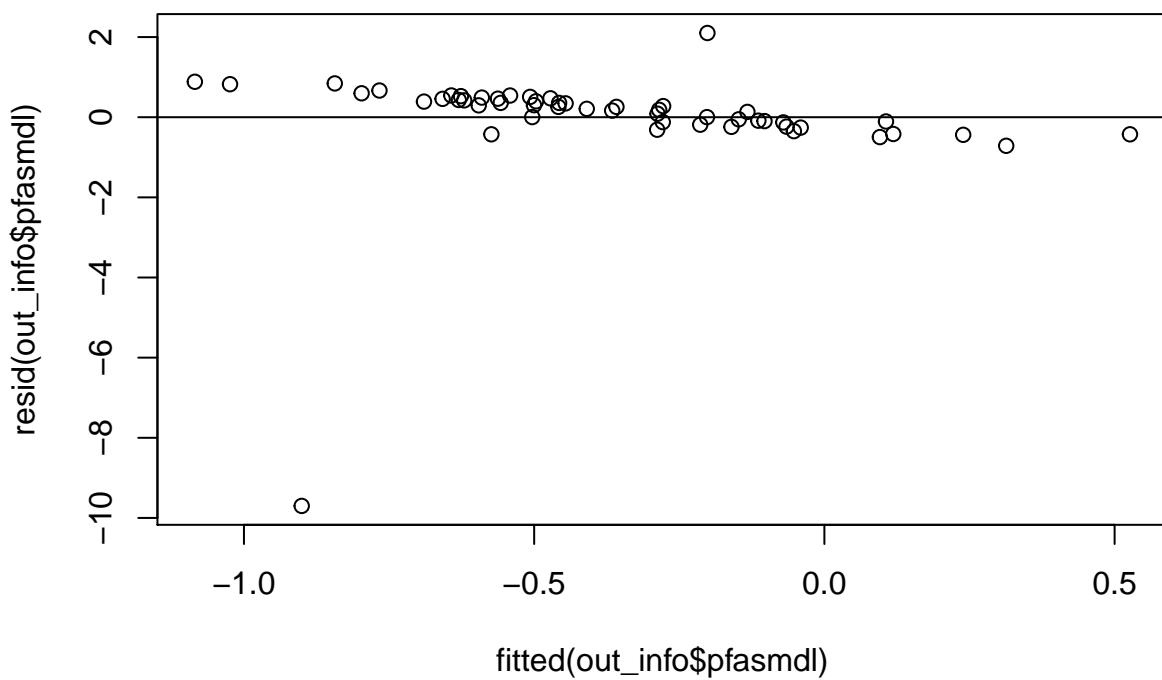
**Normal Q-Q Plot**



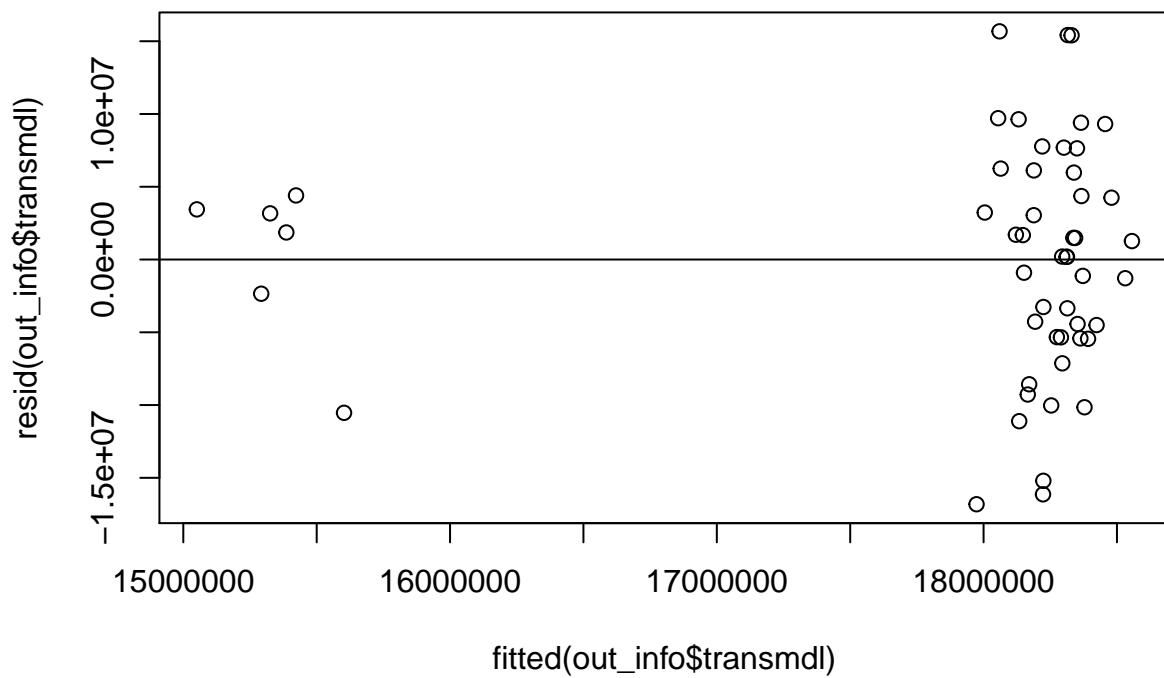
### Normal Q-Q Plot



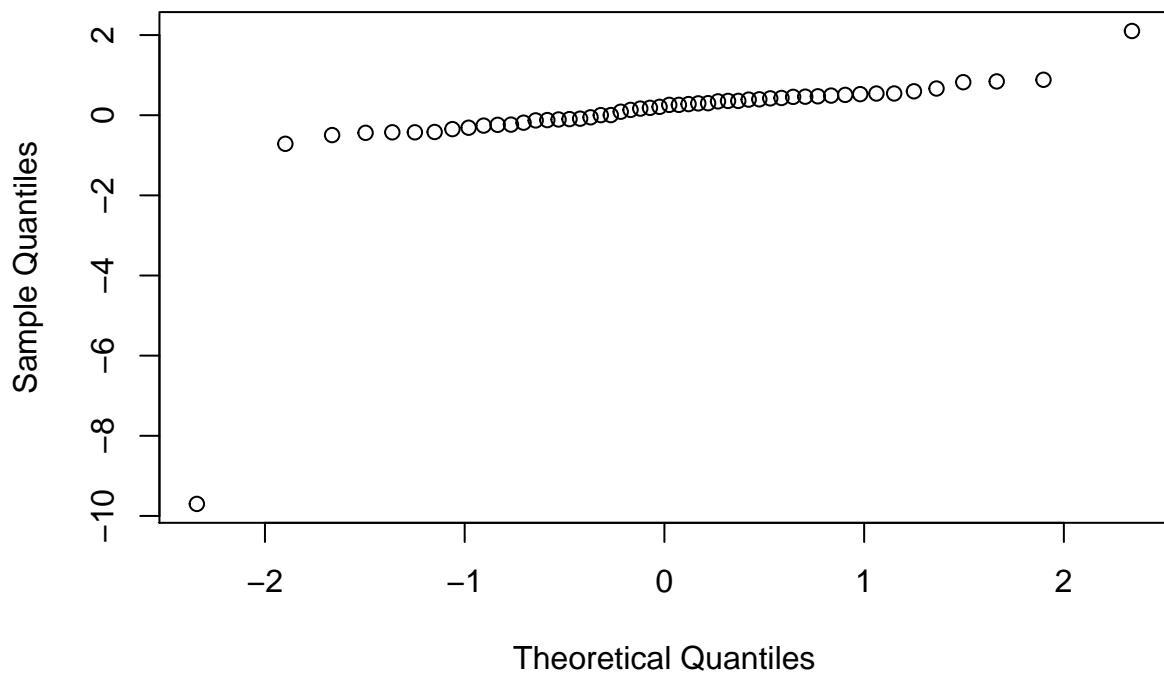
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



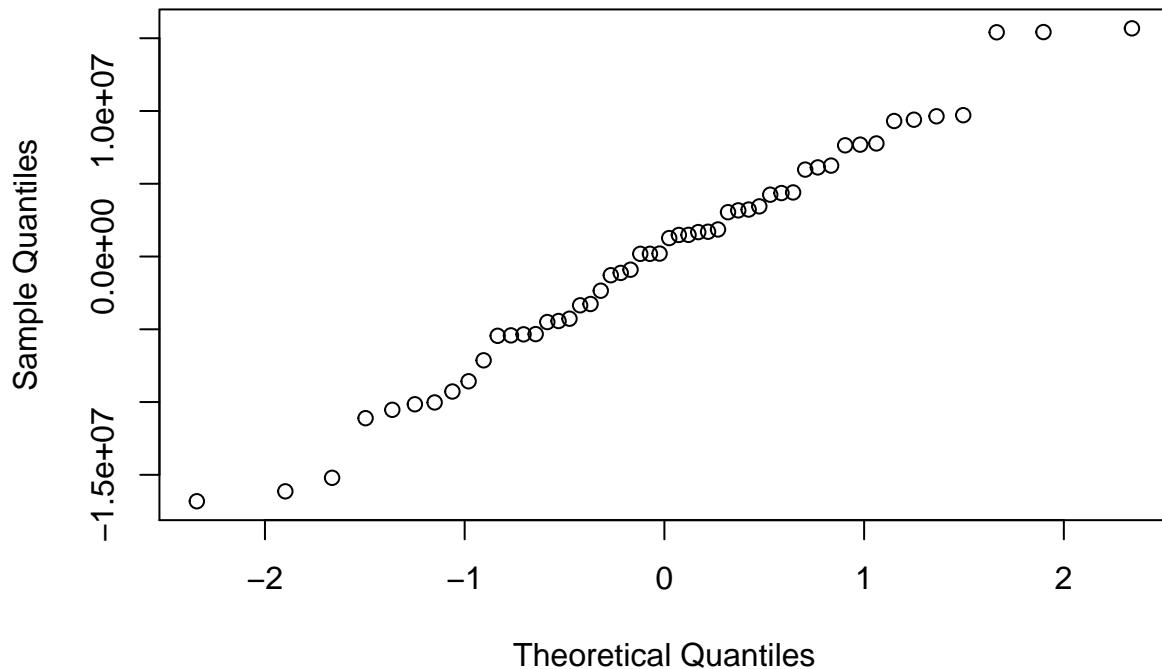
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.duration.hrs  
Plot of fnPFOStransEthnicity**



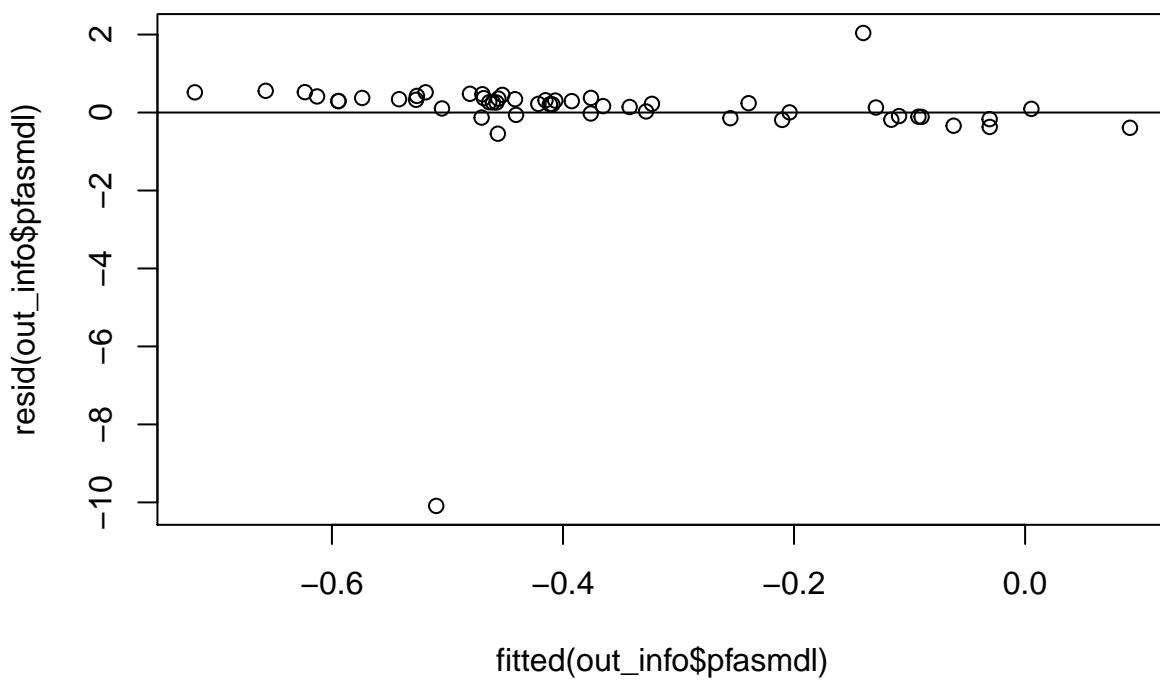
**Normal Q-Q Plot**



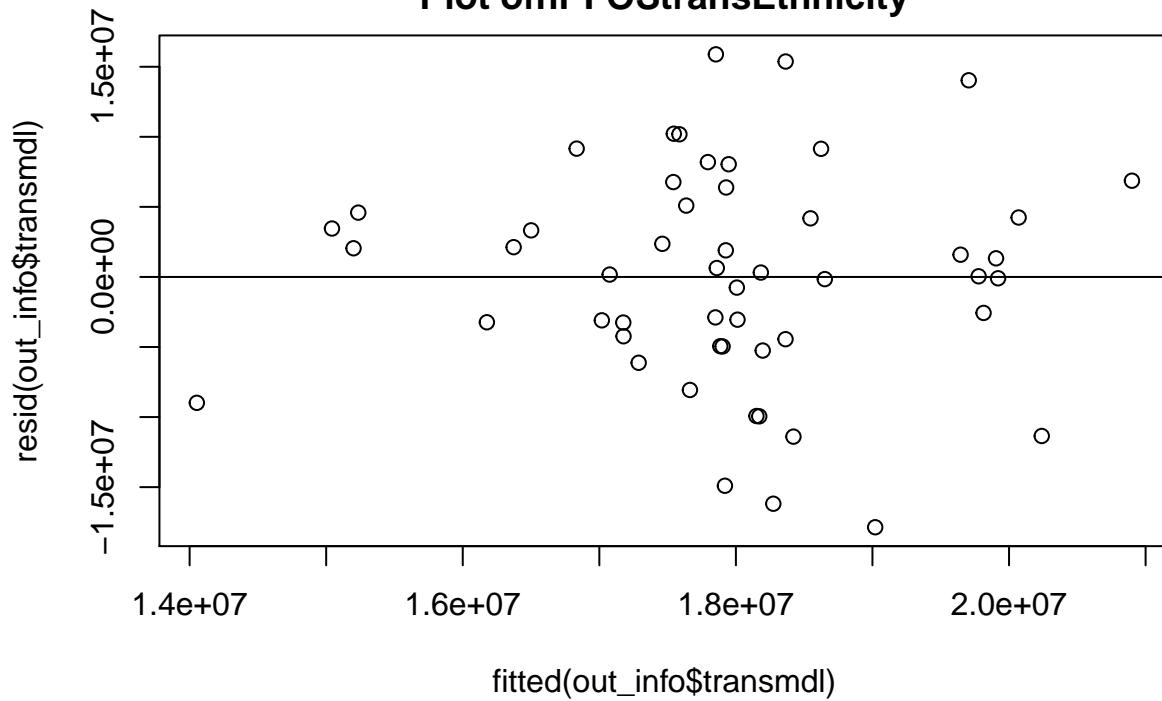
### Normal Q-Q Plot



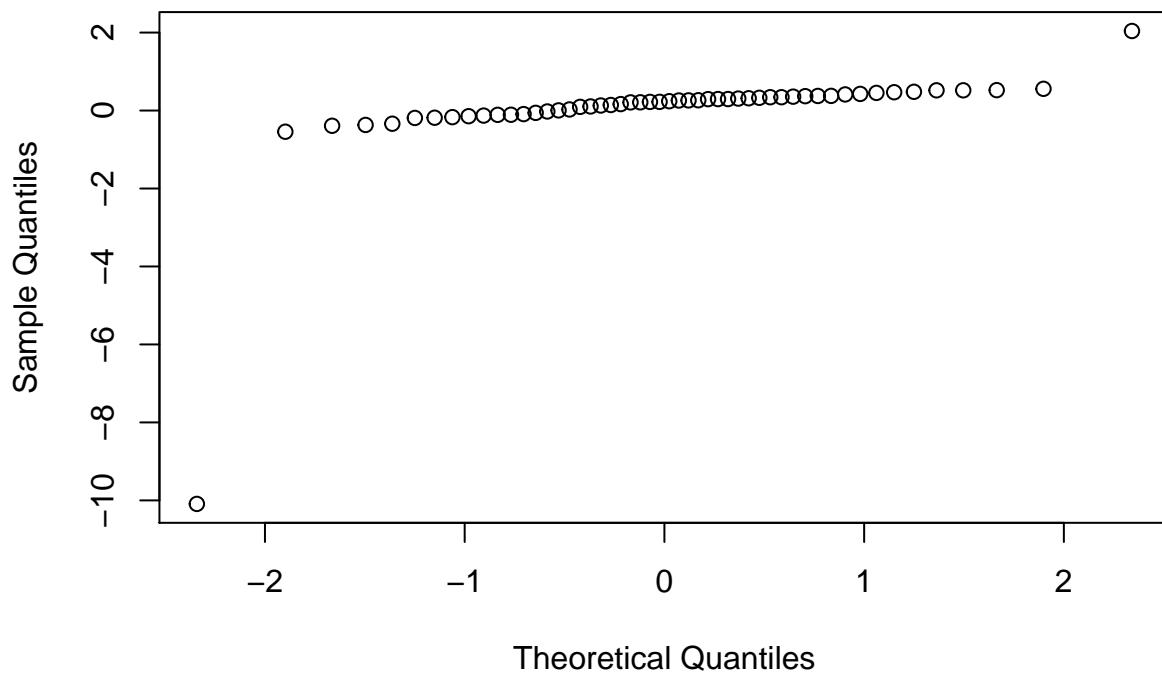
**Plot of PFNAorig+  
Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity**

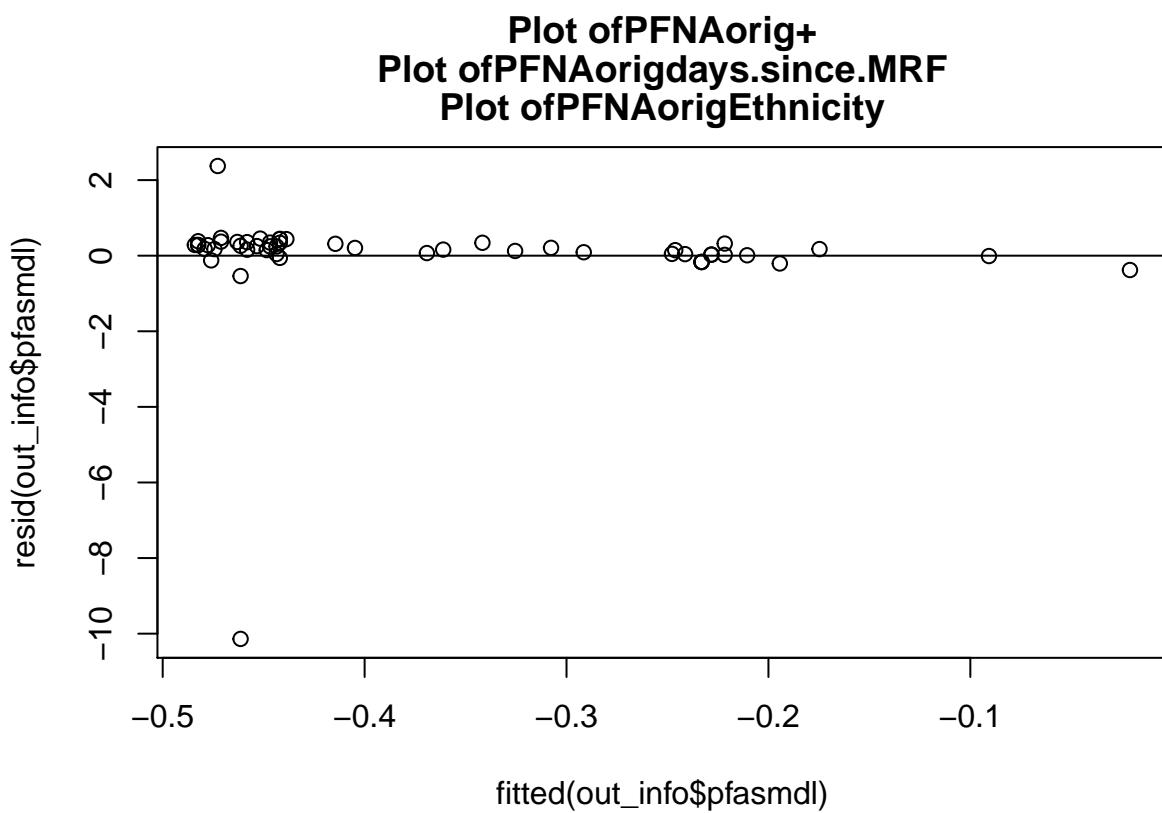
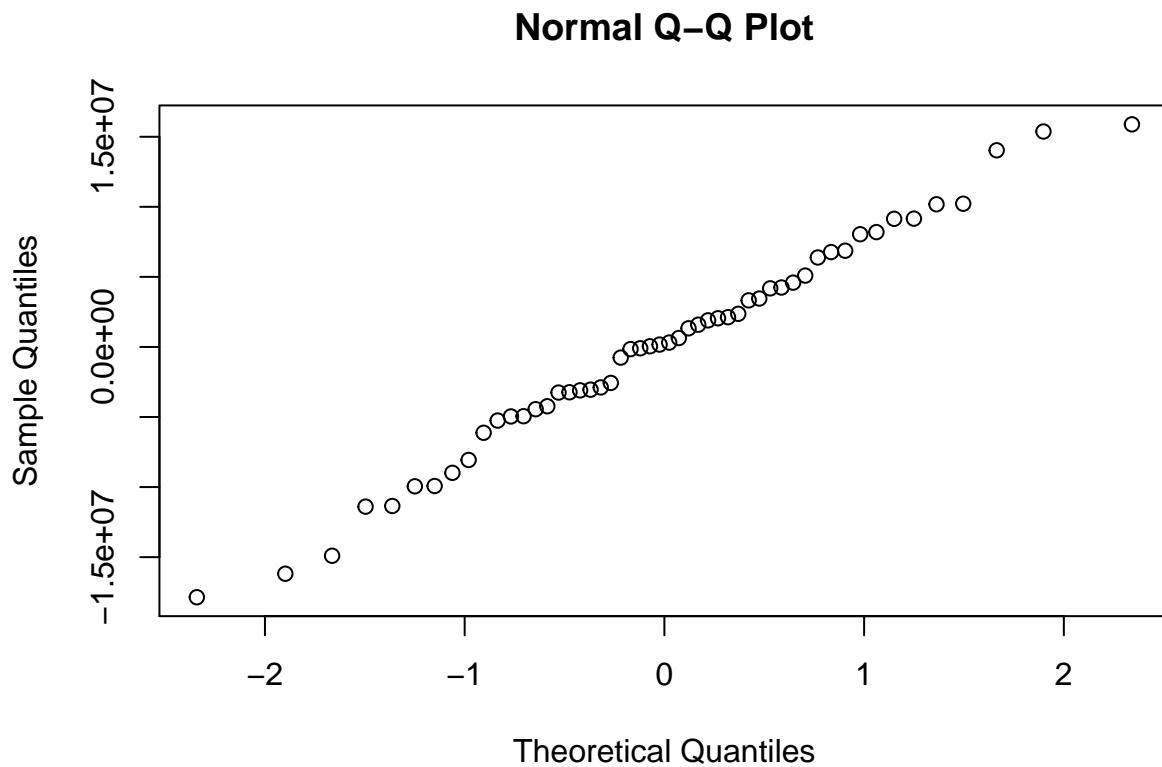


**Plot of nPFOStrans+  
Plot of nPFOStransstr.duration.hrs  
Plot of nPFOStransEthnicity**

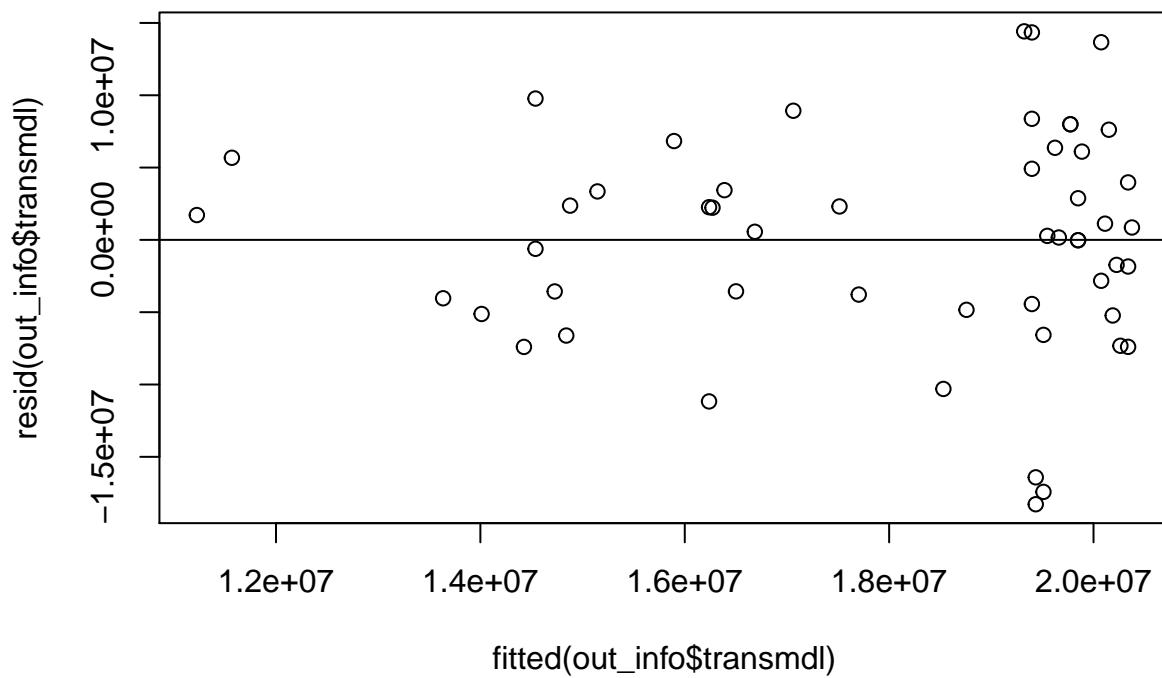


**Normal Q-Q Plot**

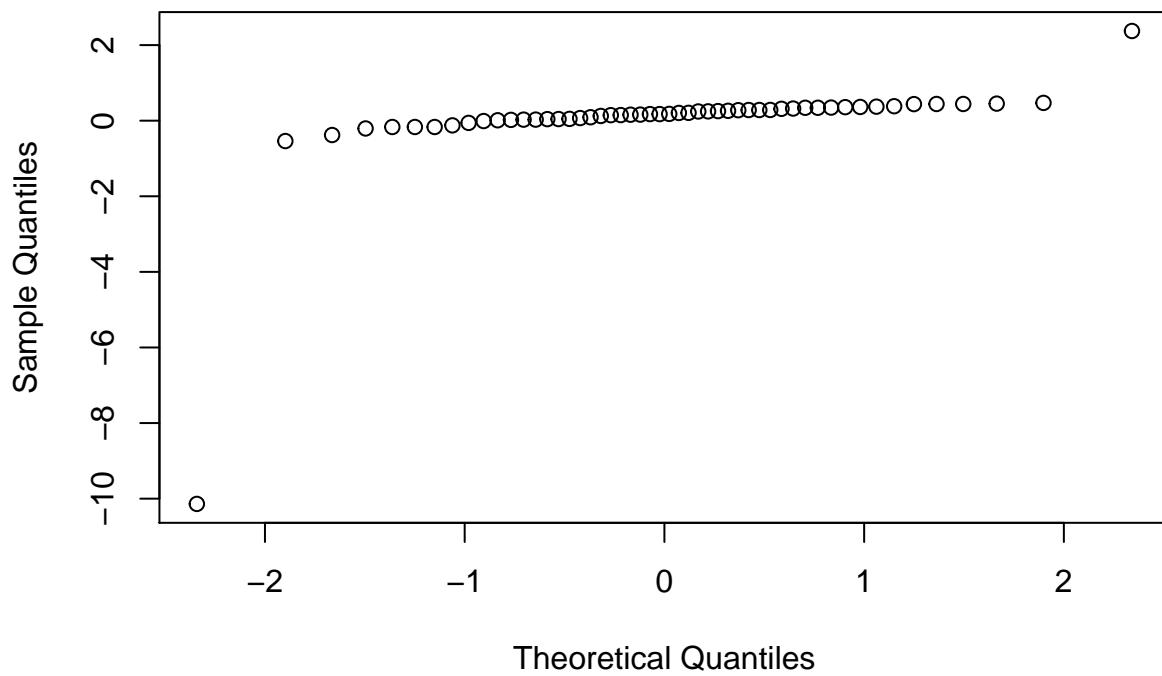




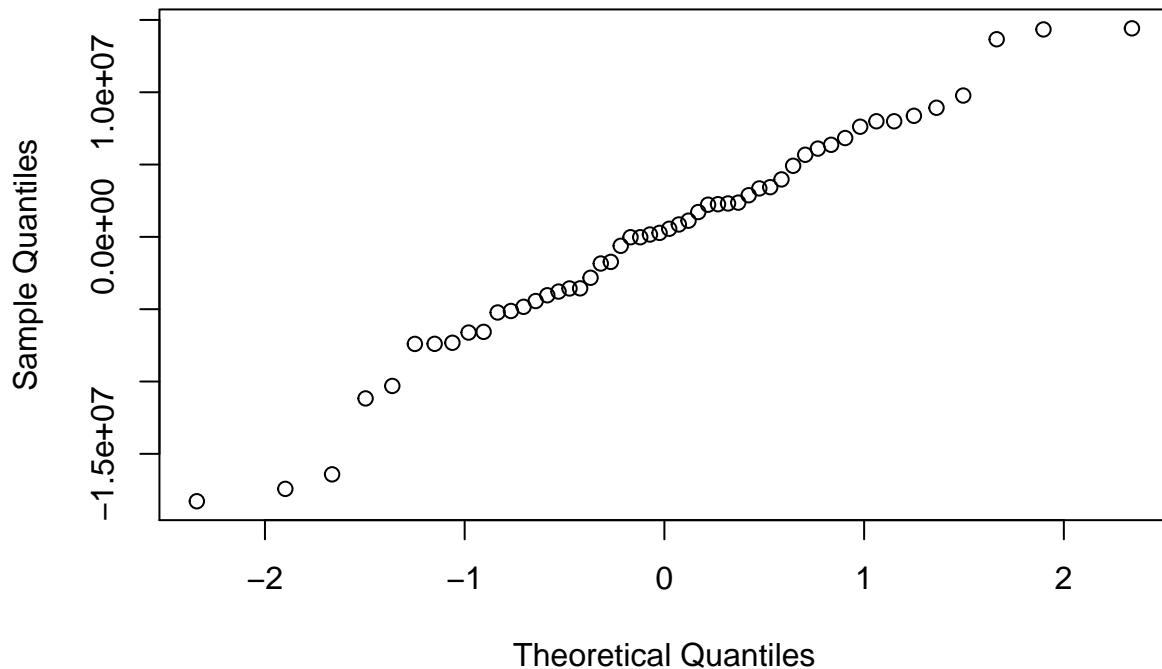
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.MRF  
Plot of fnPFOStransEthnicity**



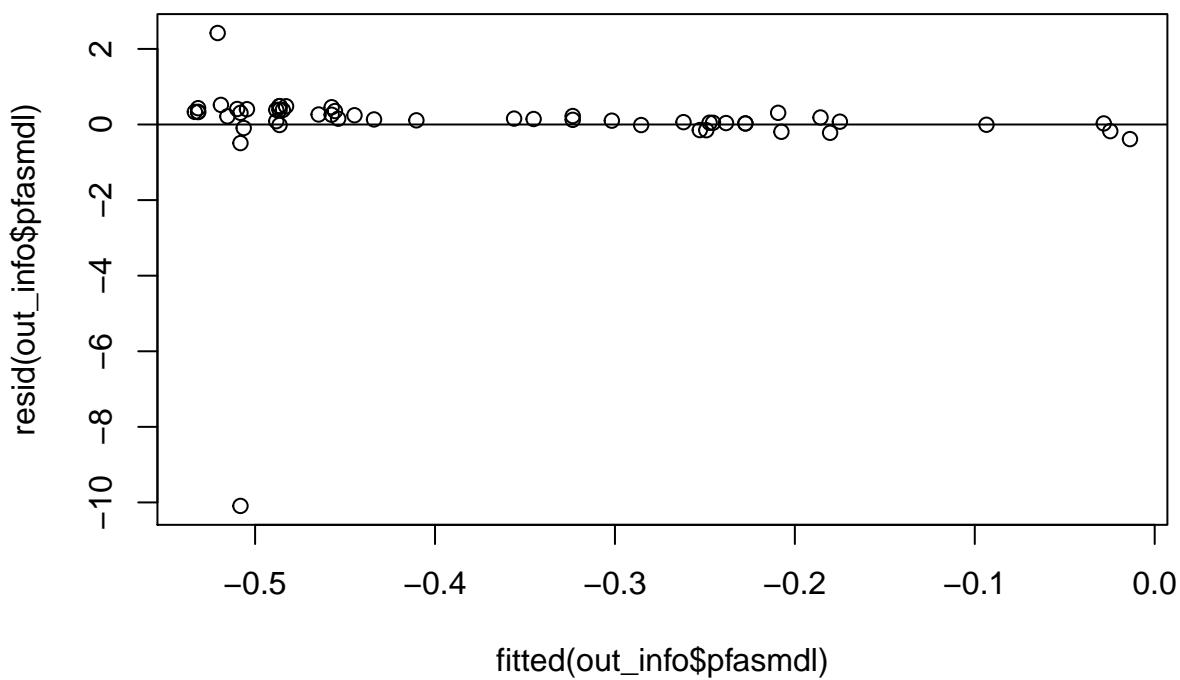
**Normal Q-Q Plot**



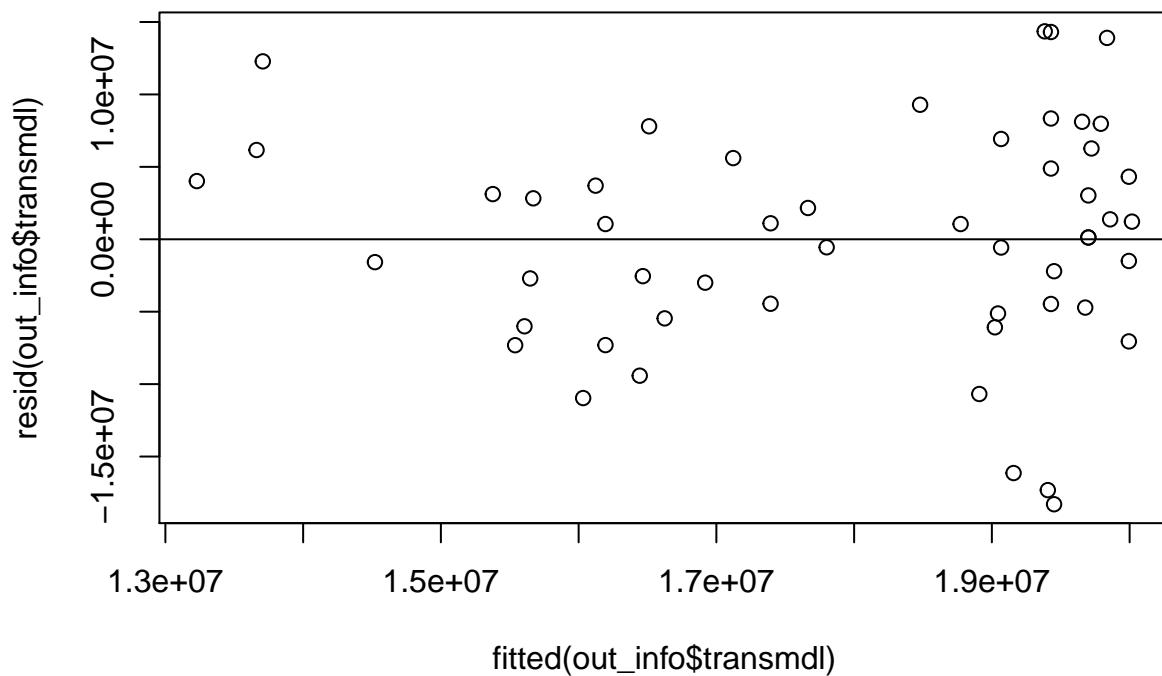
### Normal Q-Q Plot



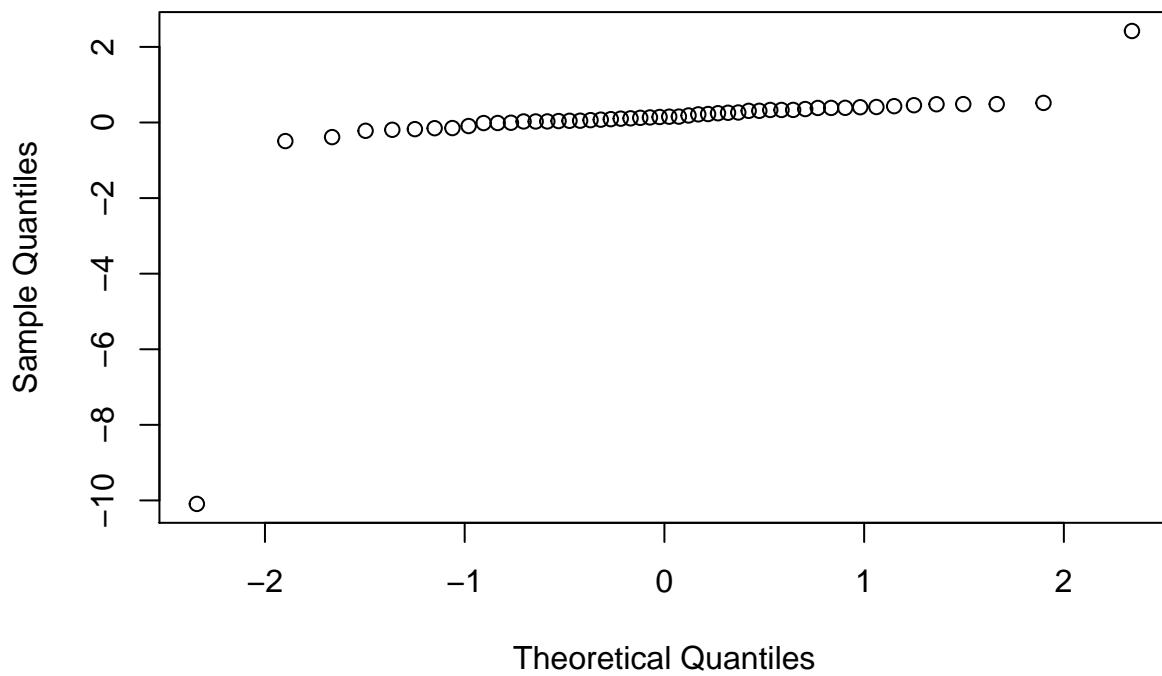
**Plot of PFNAorig+**  
**Plot of PFNAorigdays.since.struc.MRF**  
**Plot of PFNAorigEthnicity**



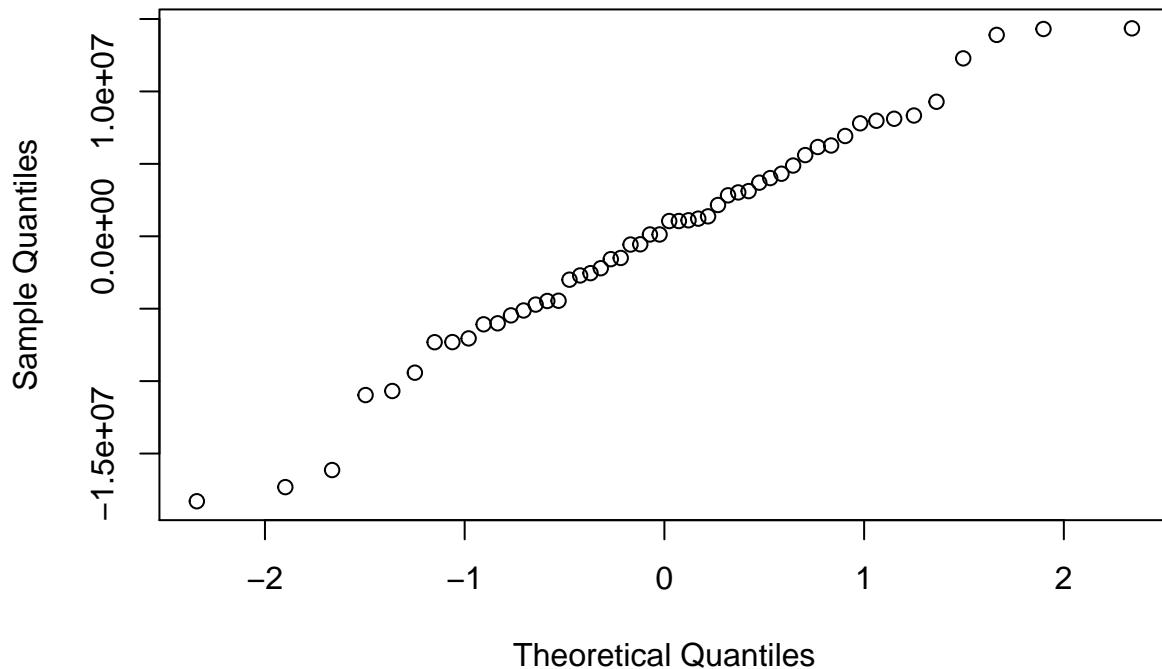
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.struc.MRF  
Plot of fnPFOStransEthnicity**



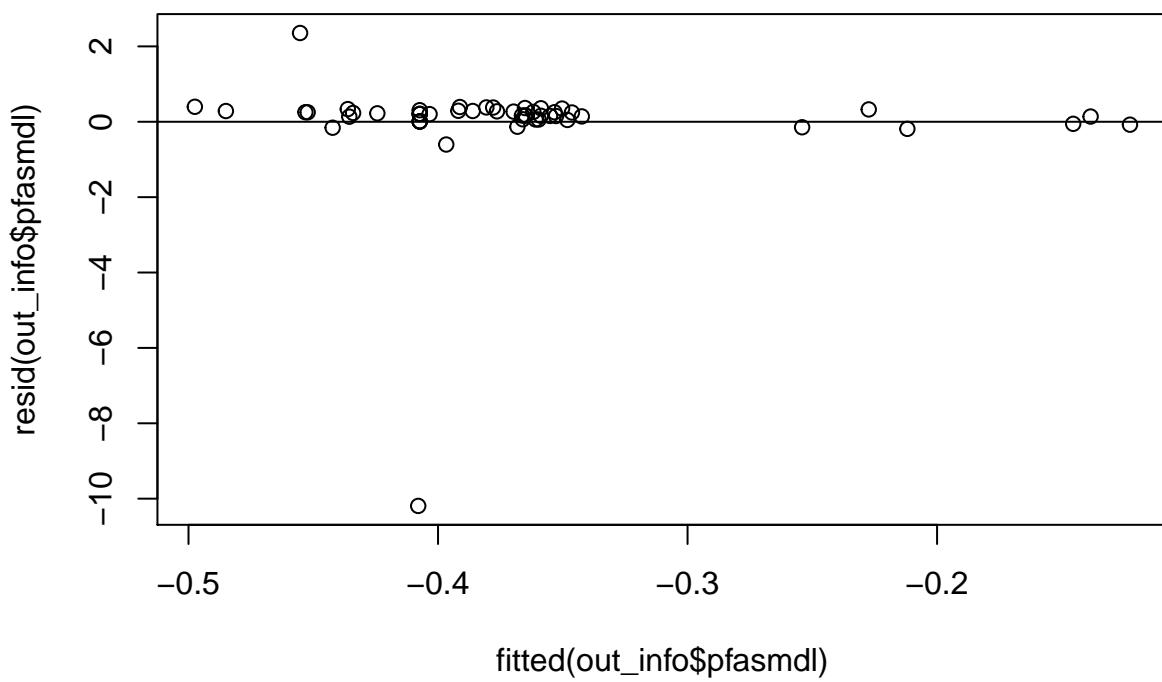
**Normal Q-Q Plot**



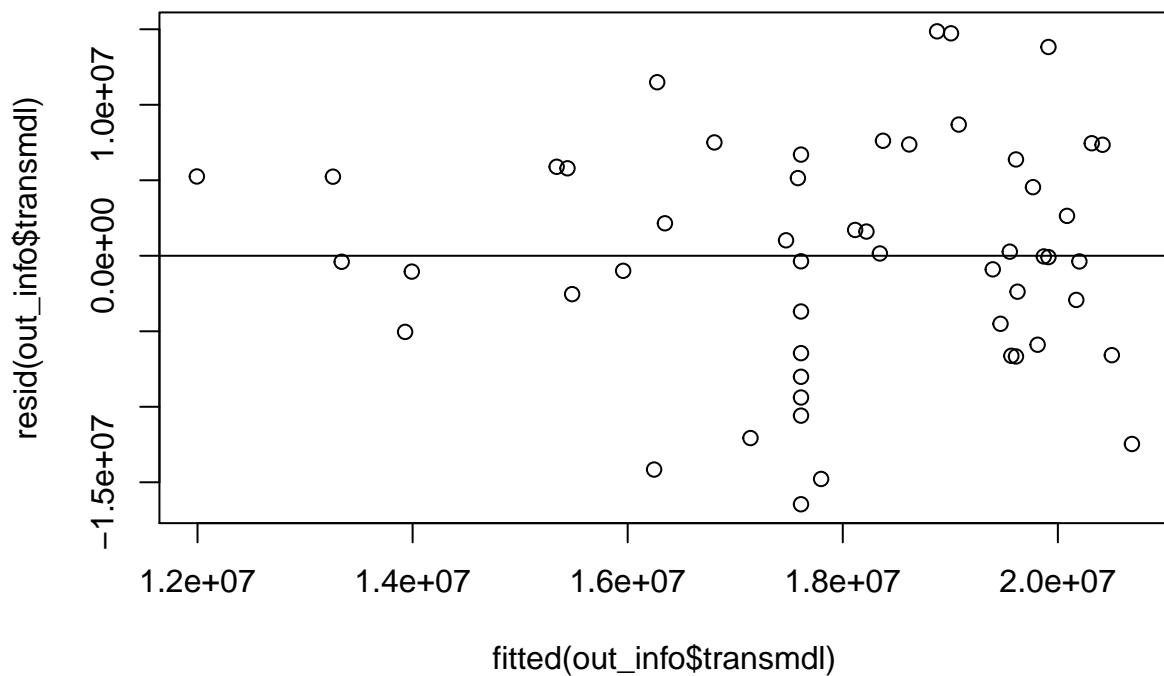
### Normal Q-Q Plot



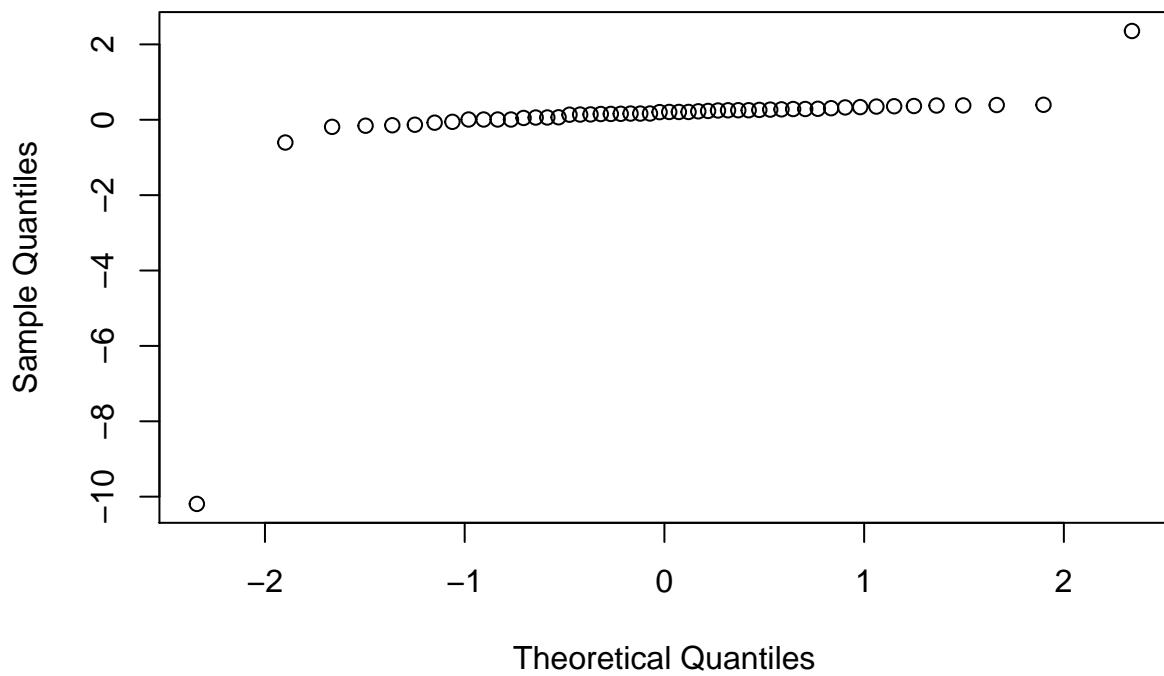
Plot of PFNAorig+  
Plot of PFNAorigtime.since.baseline  
Plot of PFNAorigEthnicity



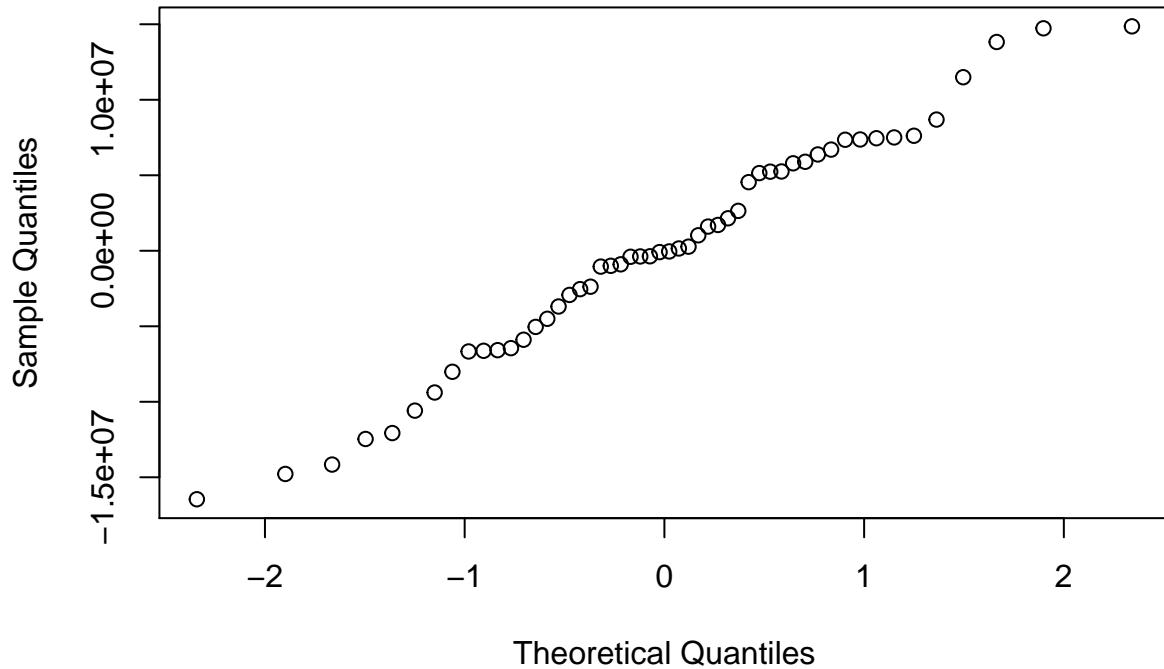
**Plot of nPFOStrans+  
Plot of nPFOStranstime.since.baseline  
Plot of nPFOStransEthnicity**



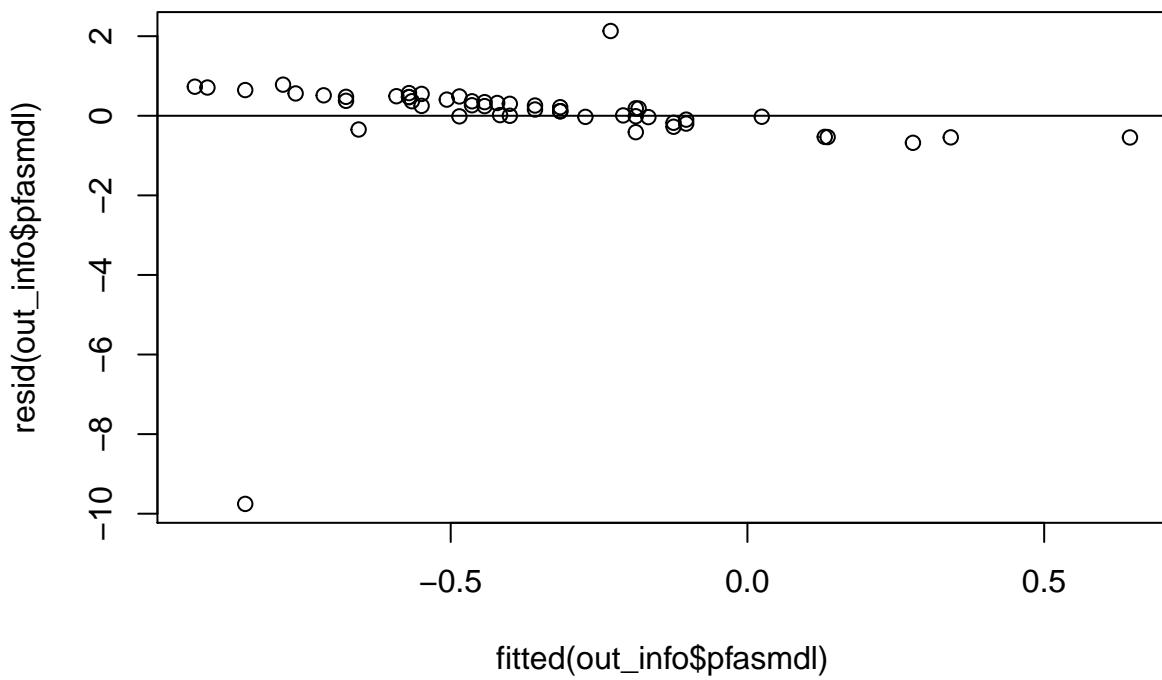
**Normal Q-Q Plot**



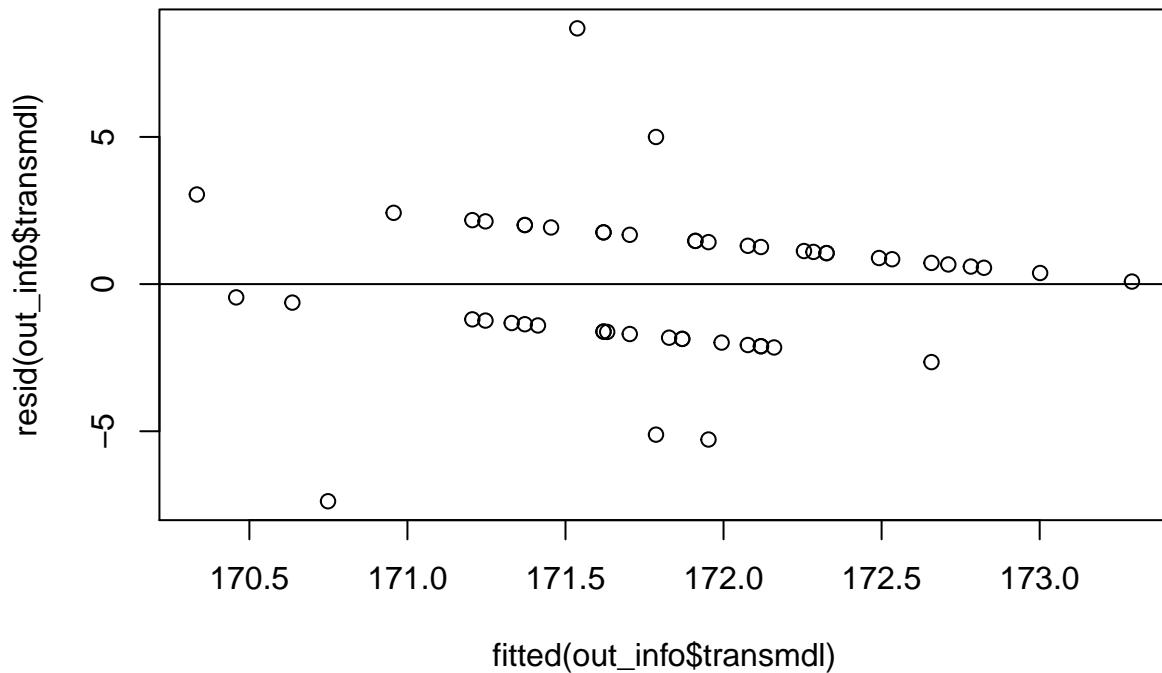
### Normal Q-Q Plot



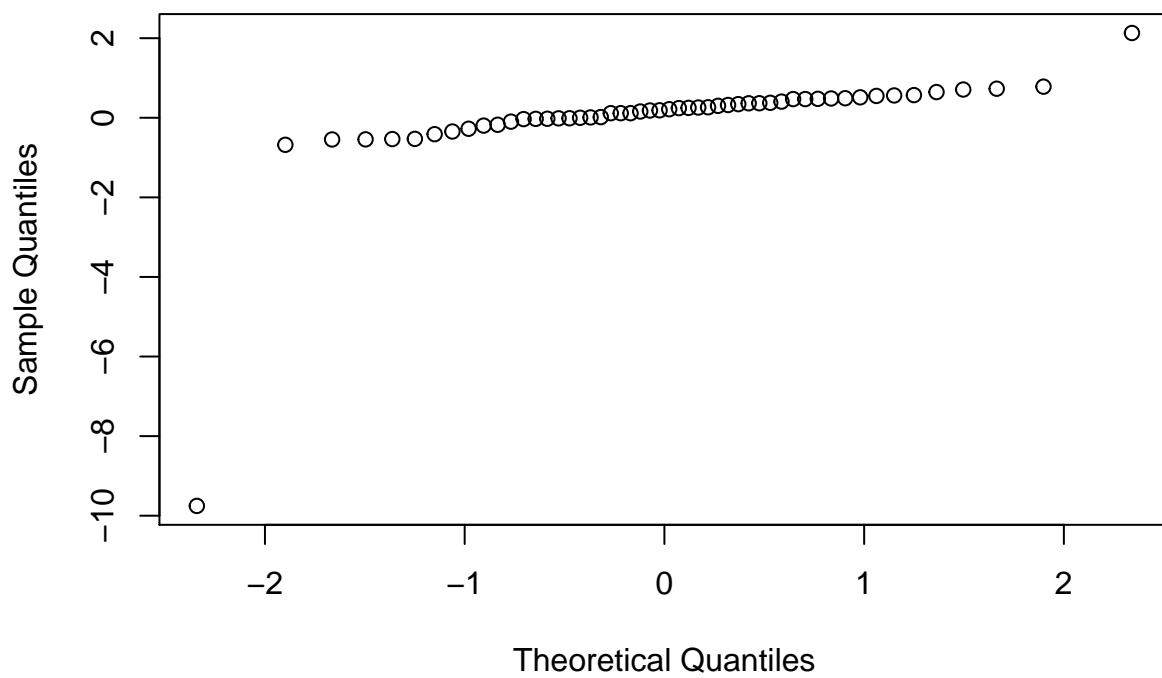
Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity



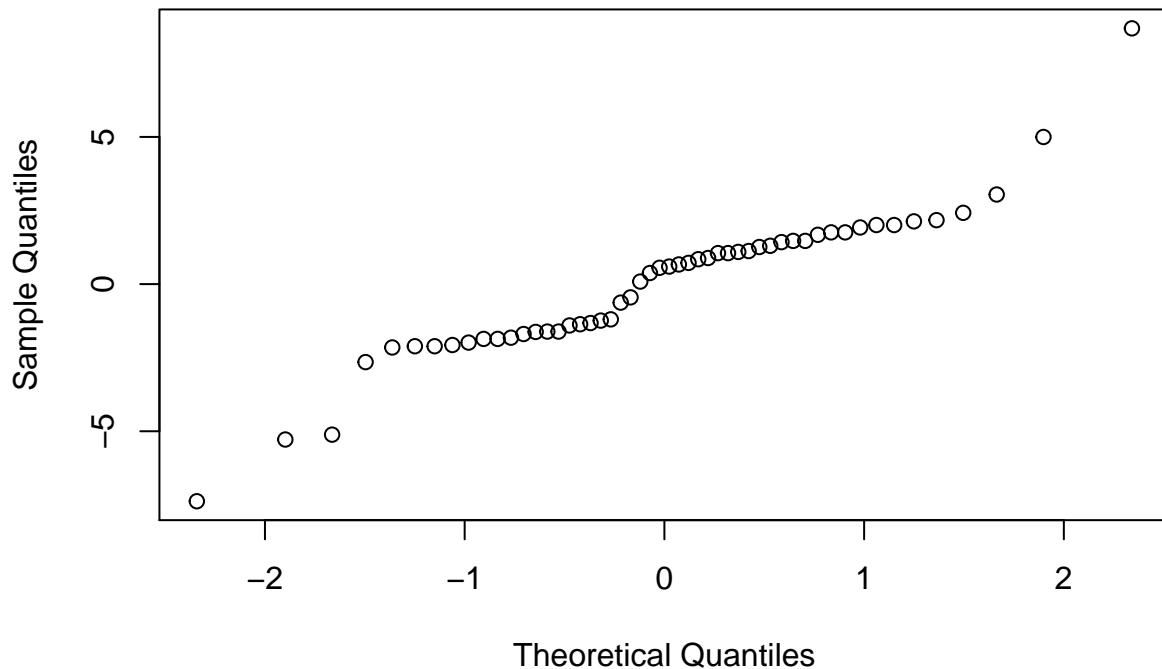
**Plot of PFDEAtrans+  
Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



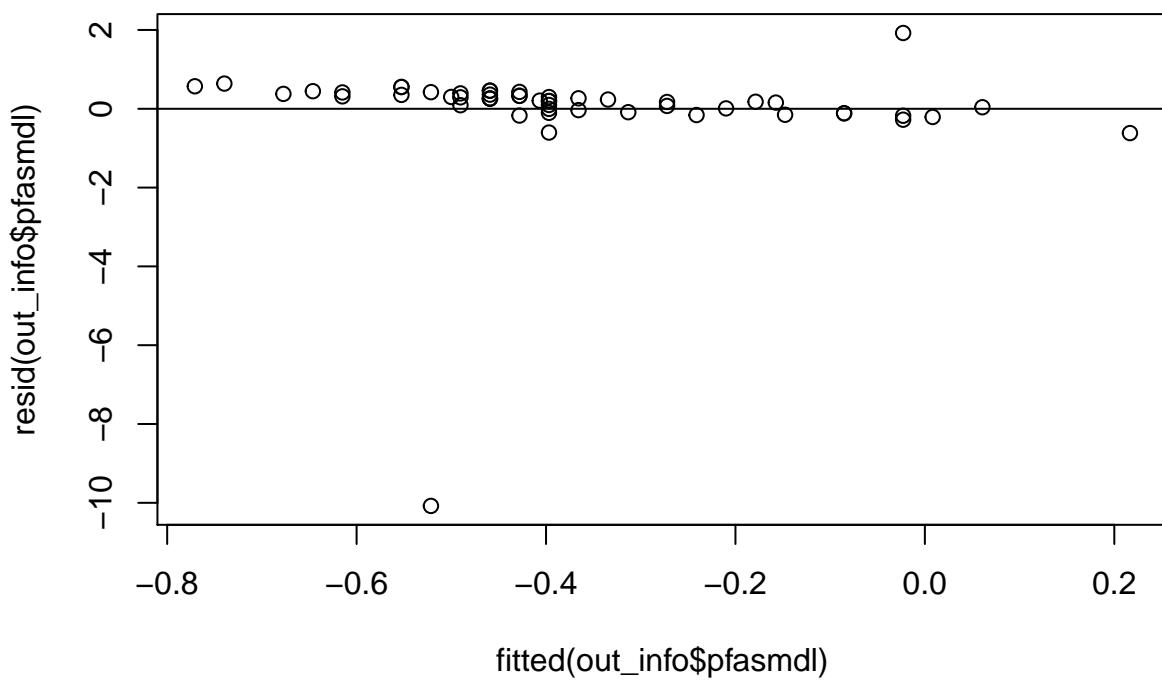
**Normal Q-Q Plot**



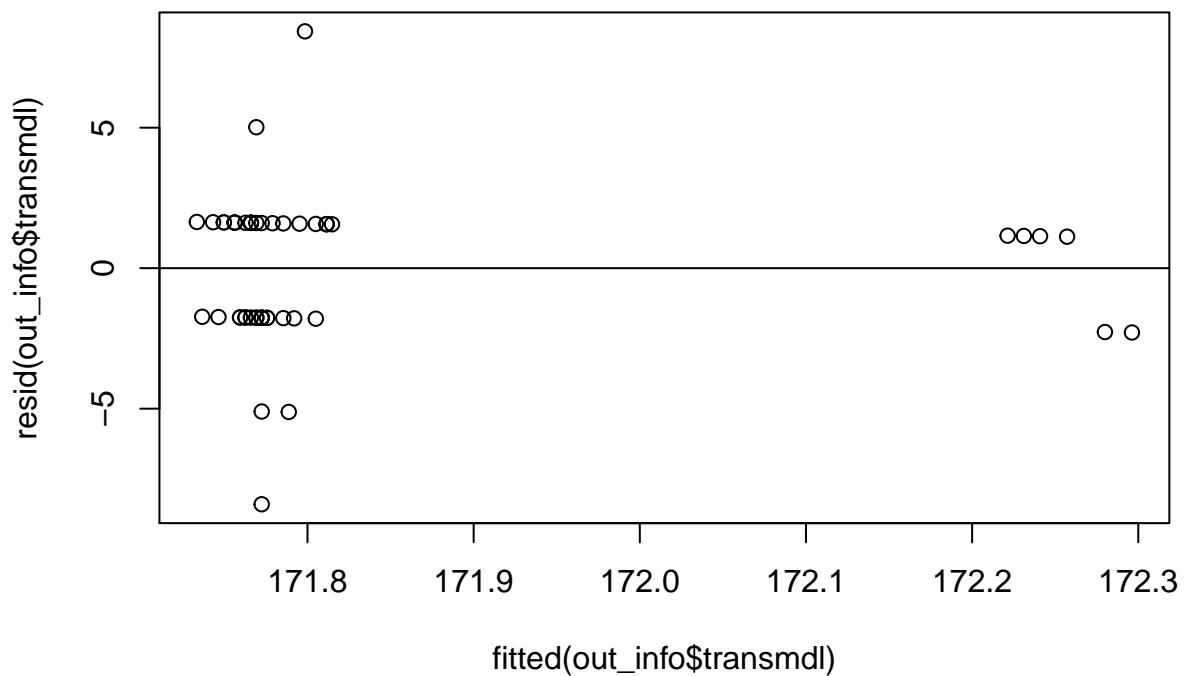
### Normal Q-Q Plot



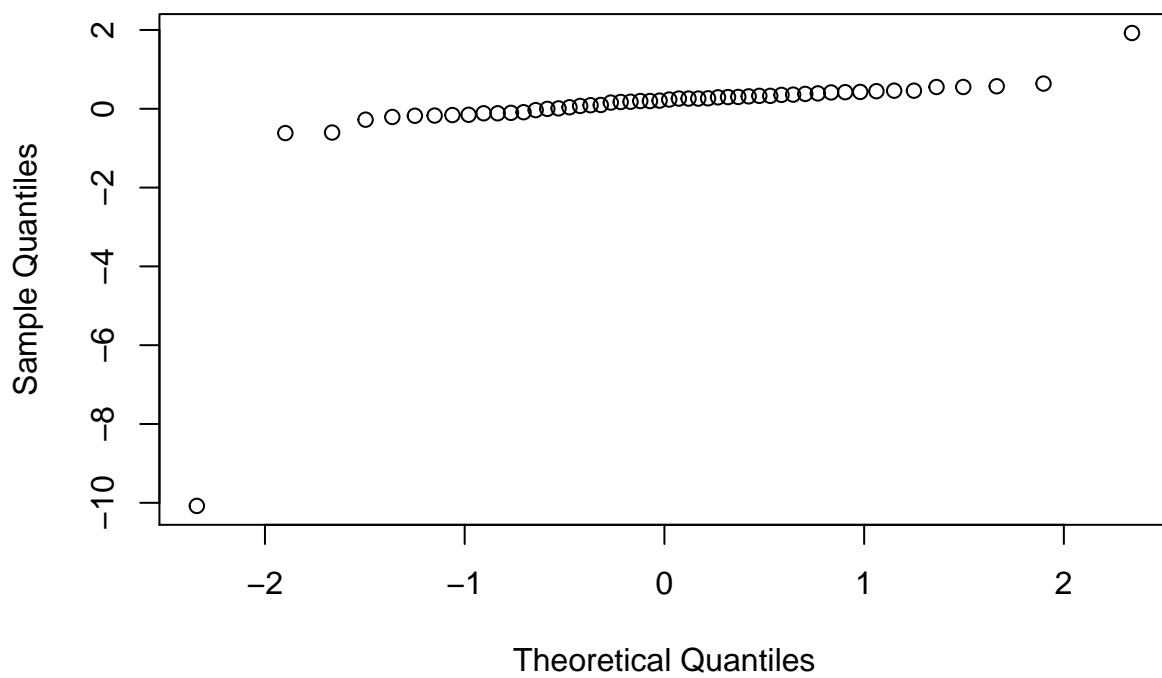
Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity



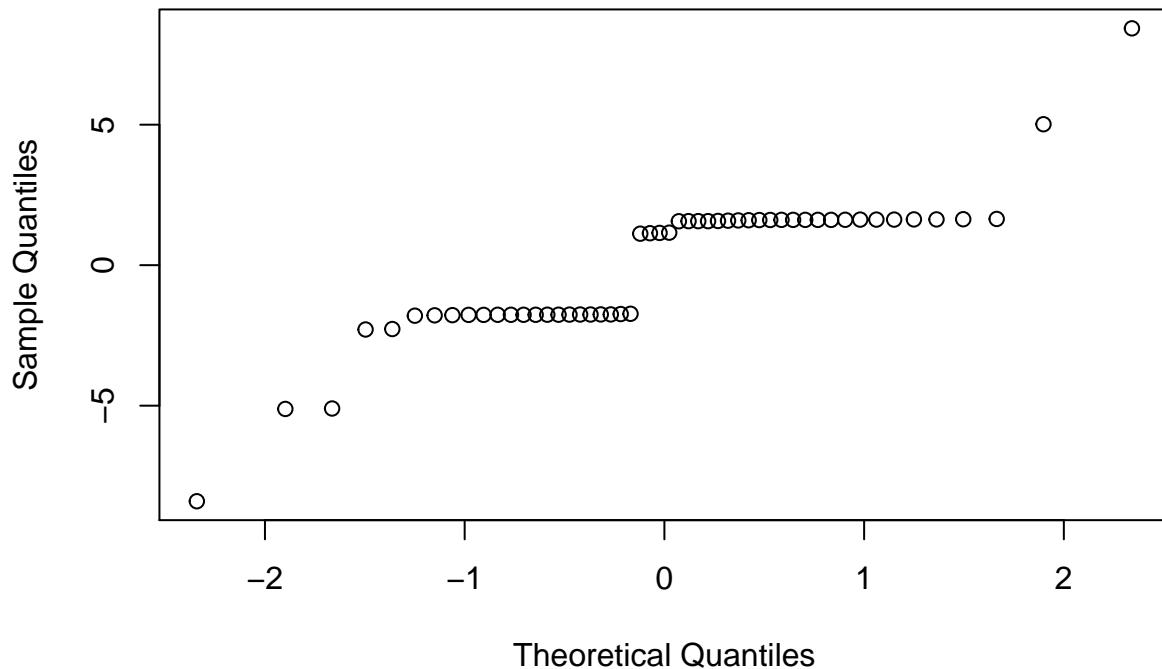
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Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



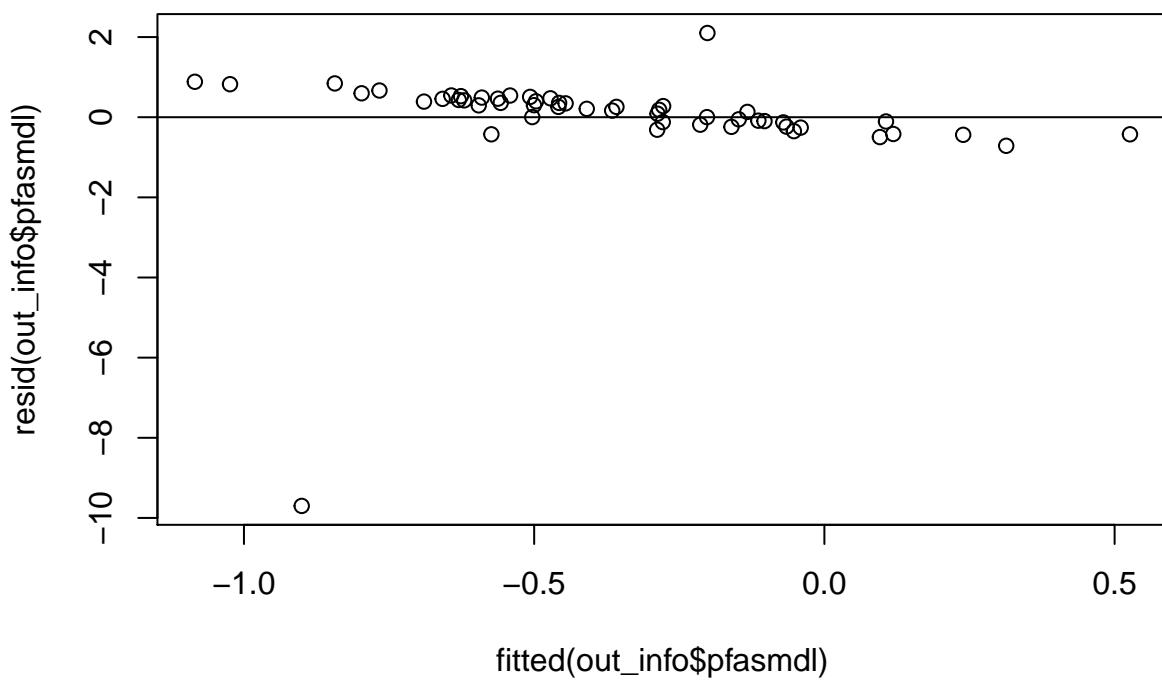
**Normal Q-Q Plot**



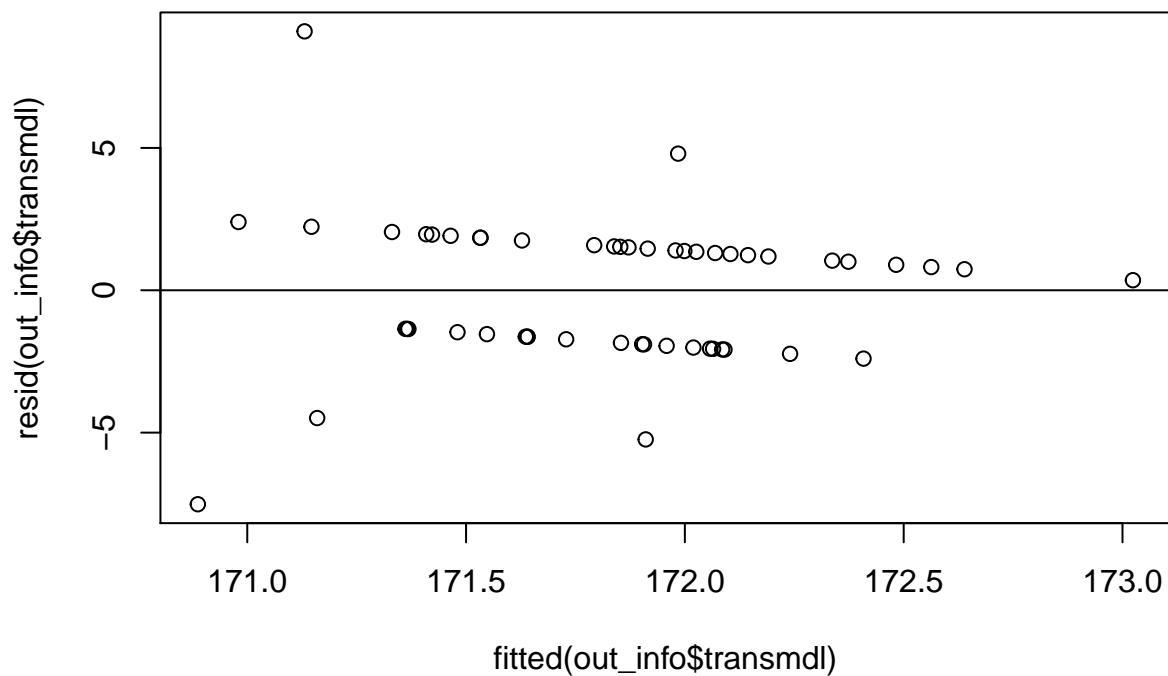
### Normal Q-Q Plot



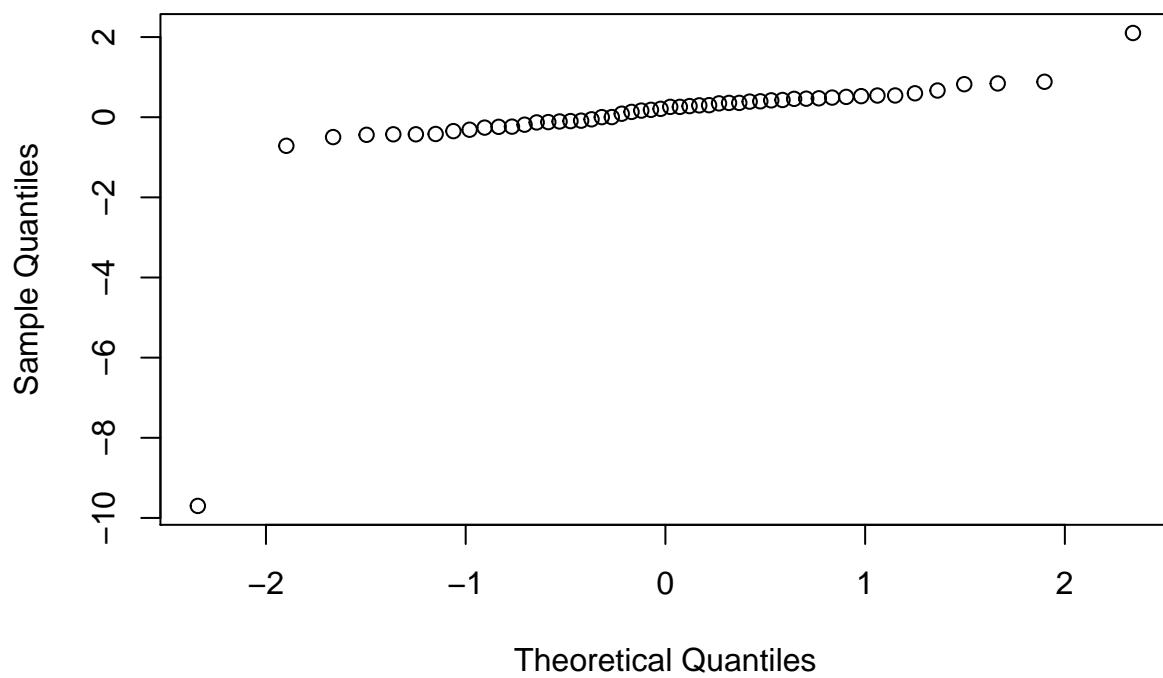
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



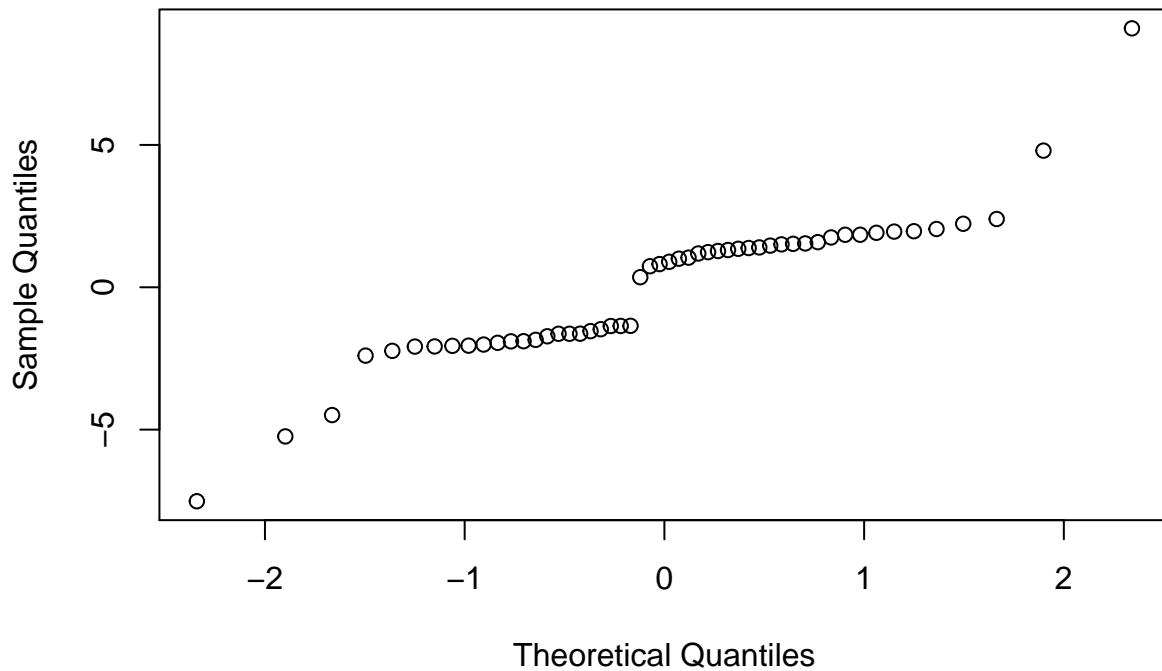
**Plot of PFDEAtrans+  
Plot of PFDEAtran\$total.duration.hrs  
Plot of PFDEAtransEthnicity**



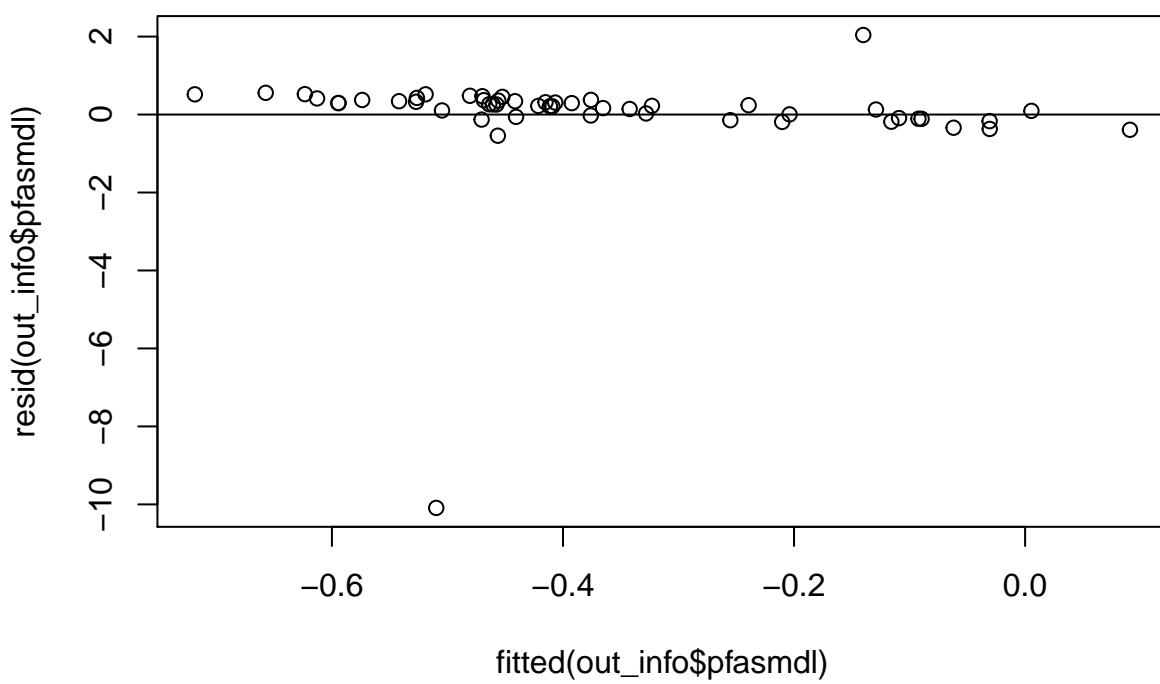
**Normal Q-Q Plot**



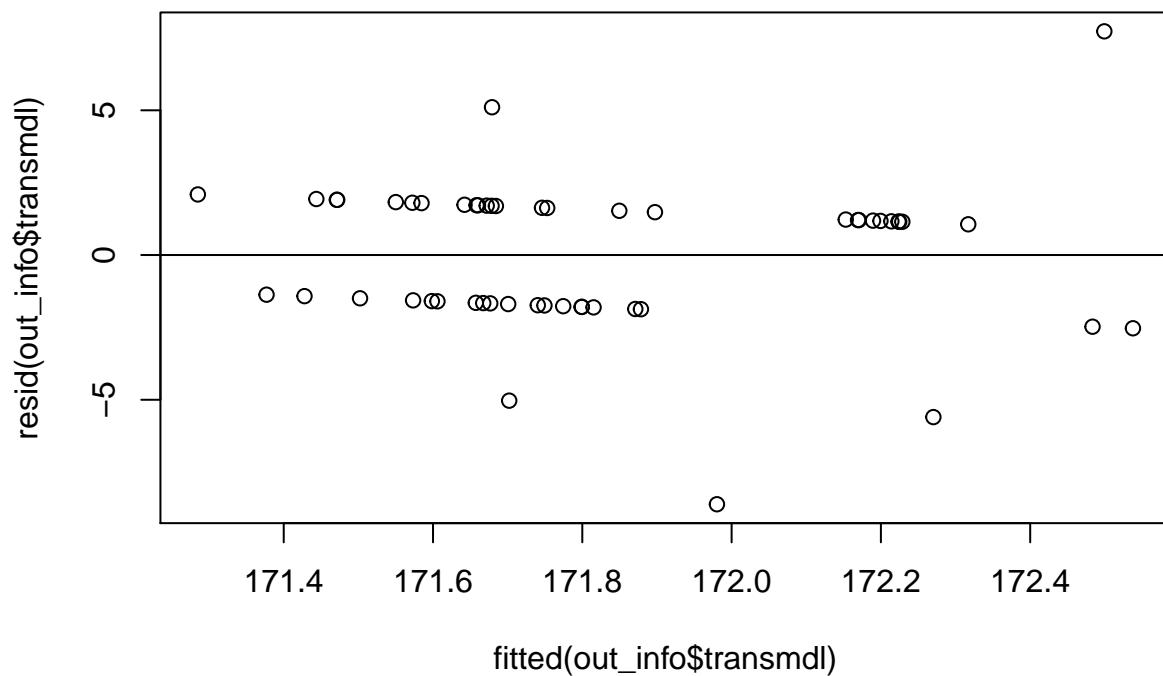
### Normal Q-Q Plot



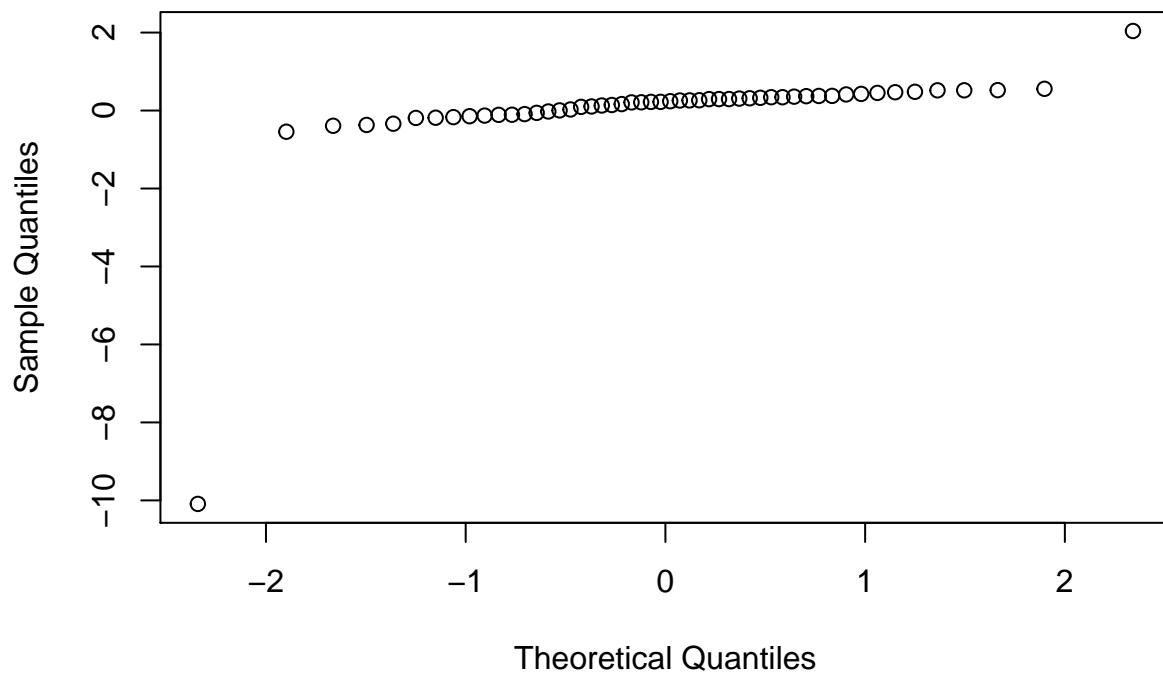
**Plot of PFNAorig+  
Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity**



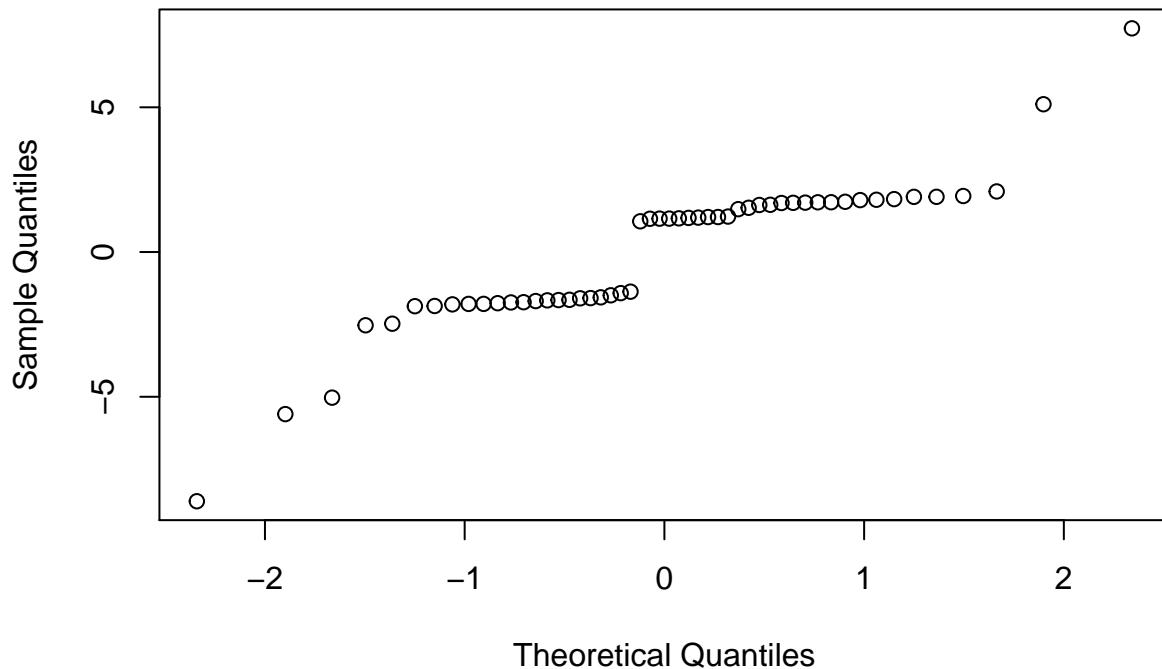
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Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



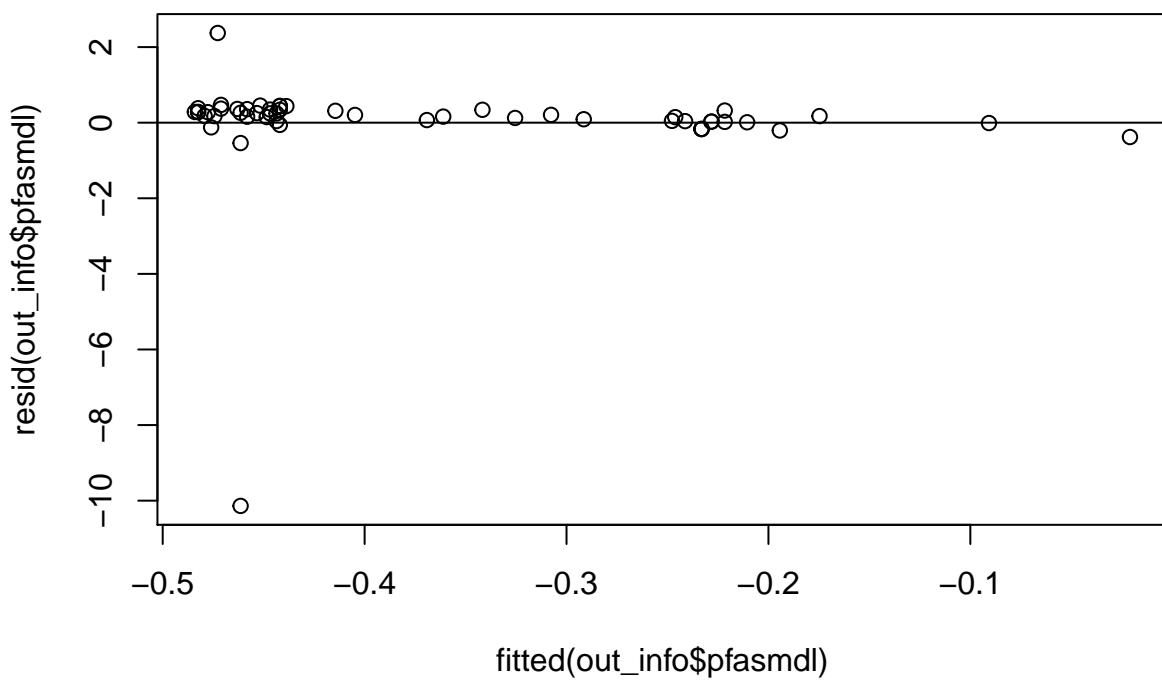
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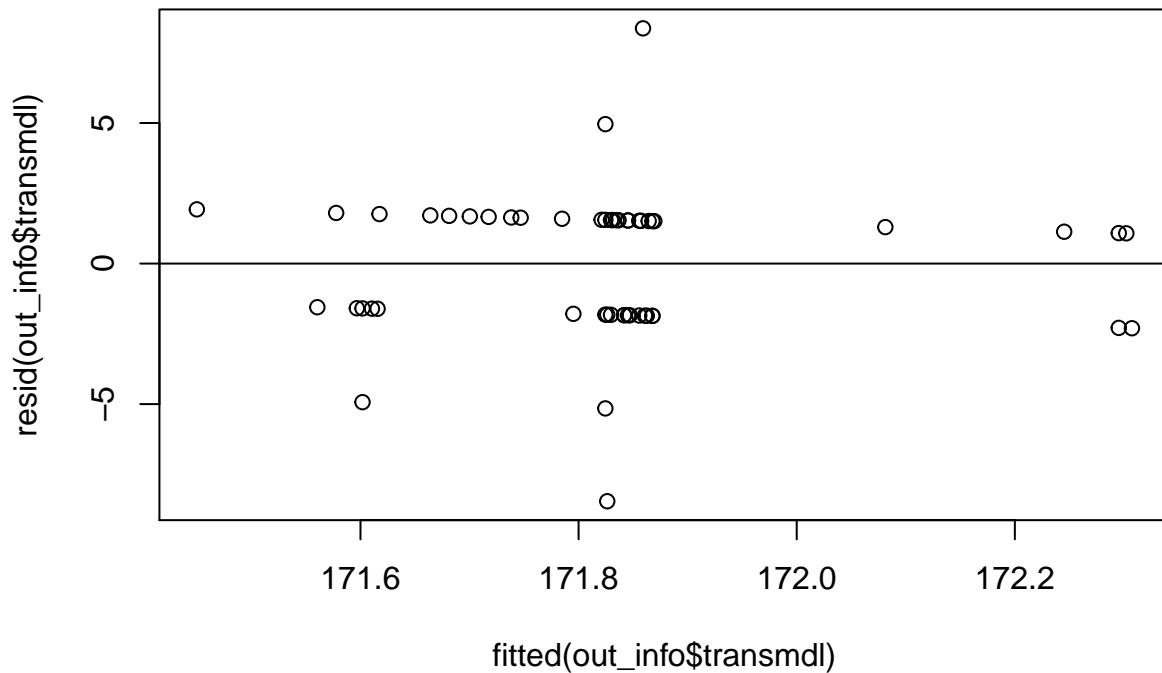
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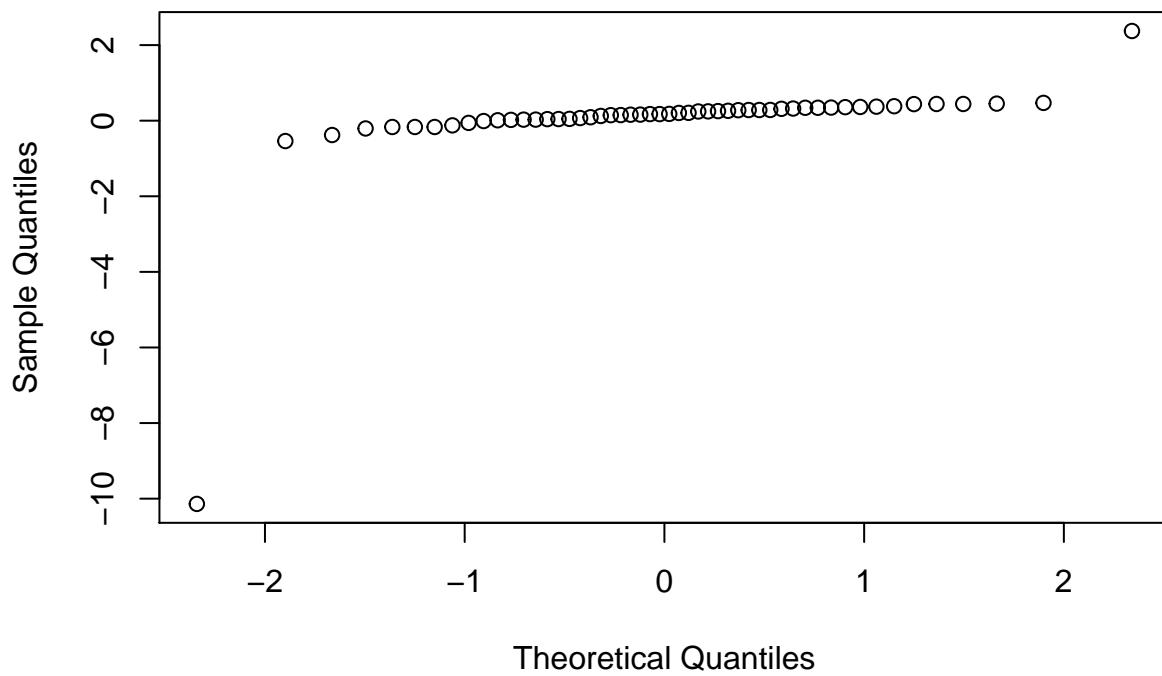
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.MRF  
Plot of PFNAorigEthnicity**



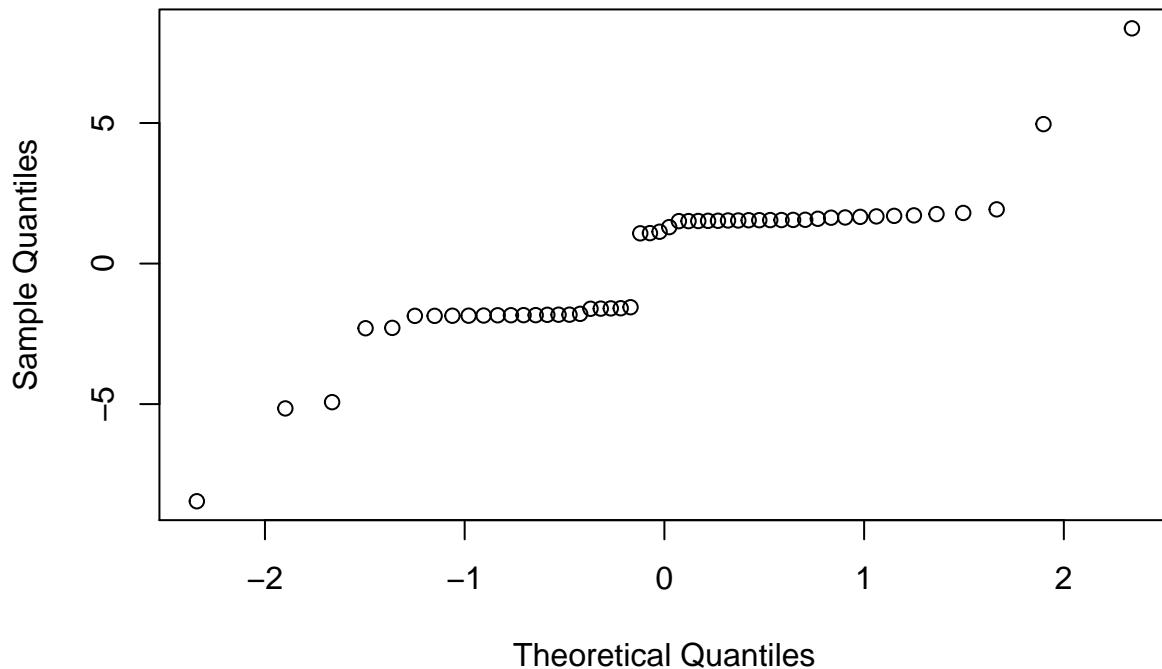
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



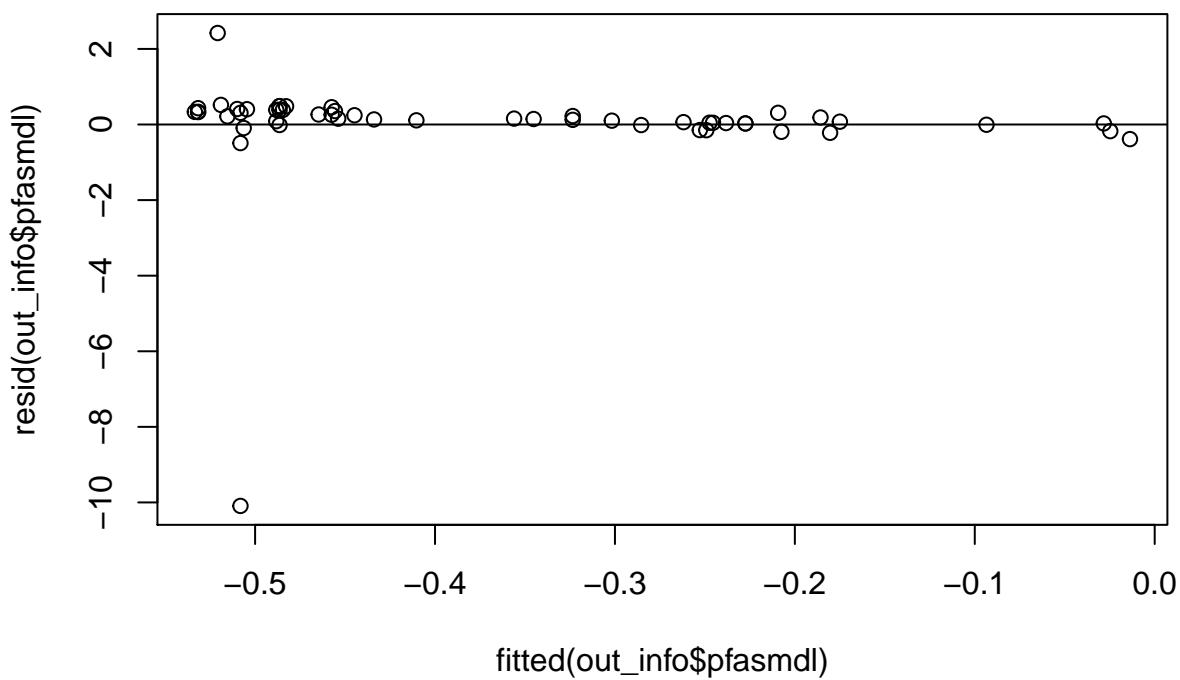
**Normal Q-Q Plot**



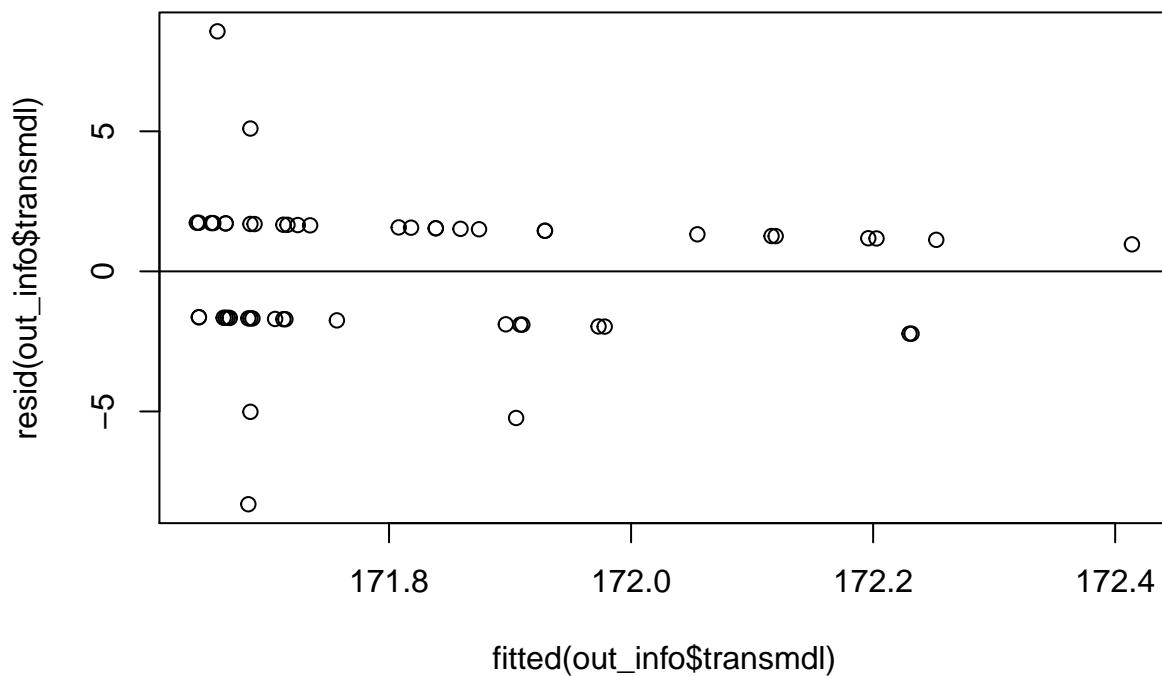
### Normal Q-Q Plot



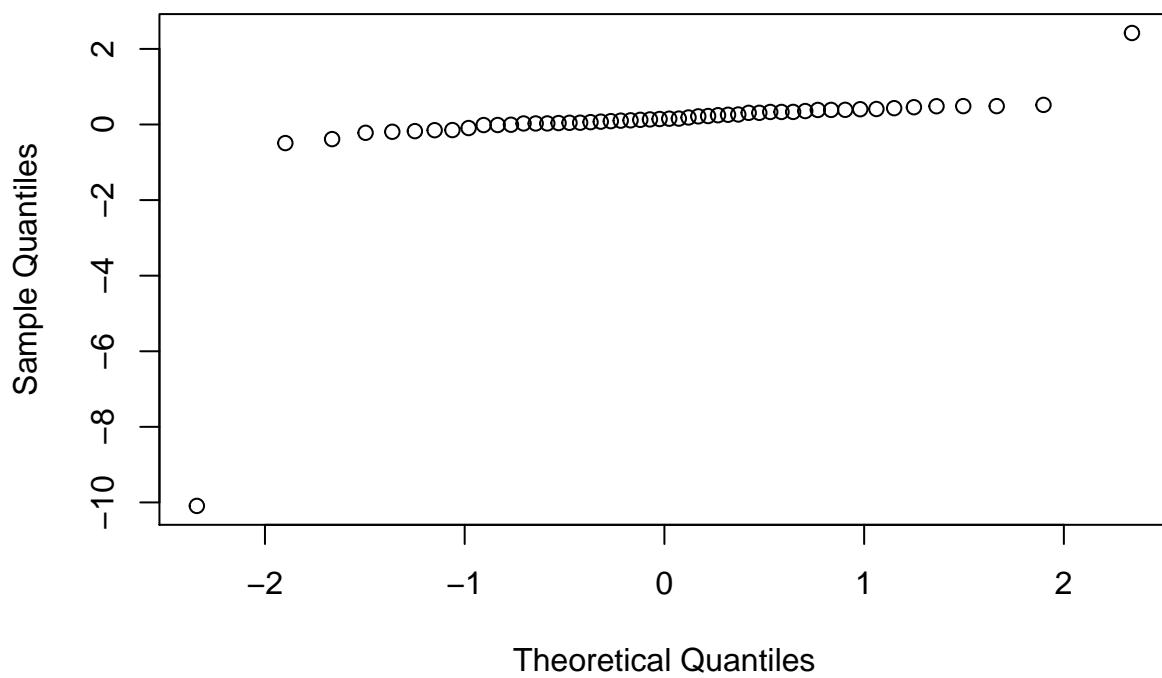
Plot of PFNAorig+  
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Plot of PFNAorigEthnicity



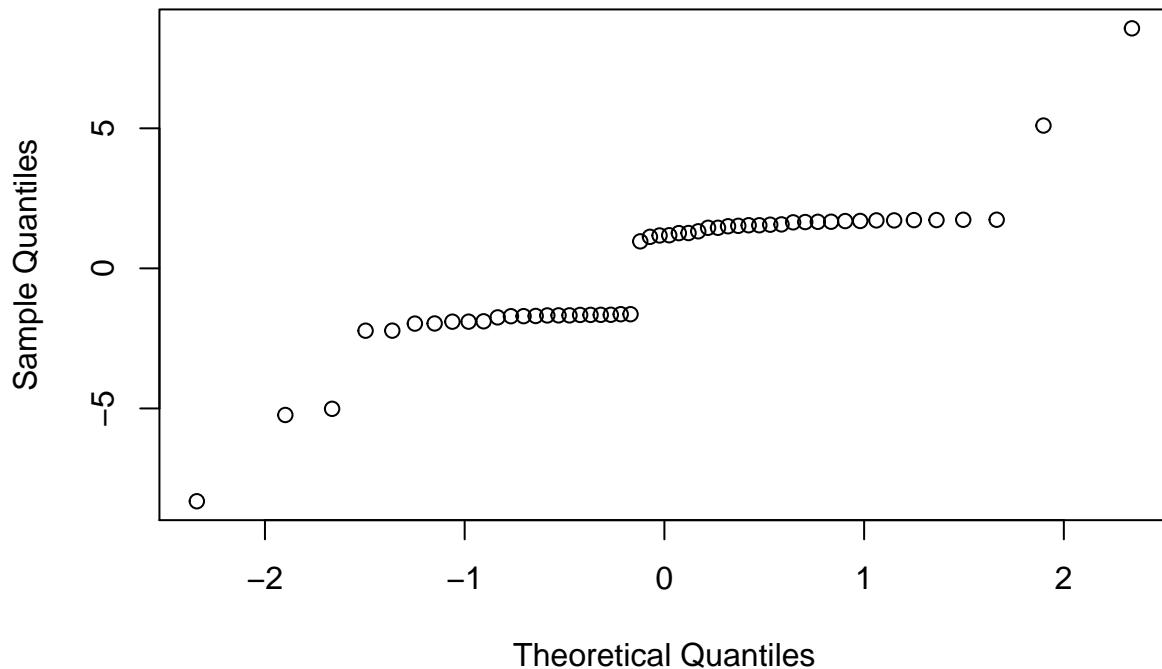
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.struc.MRF  
Plot of PFDEAtransEthnicity**



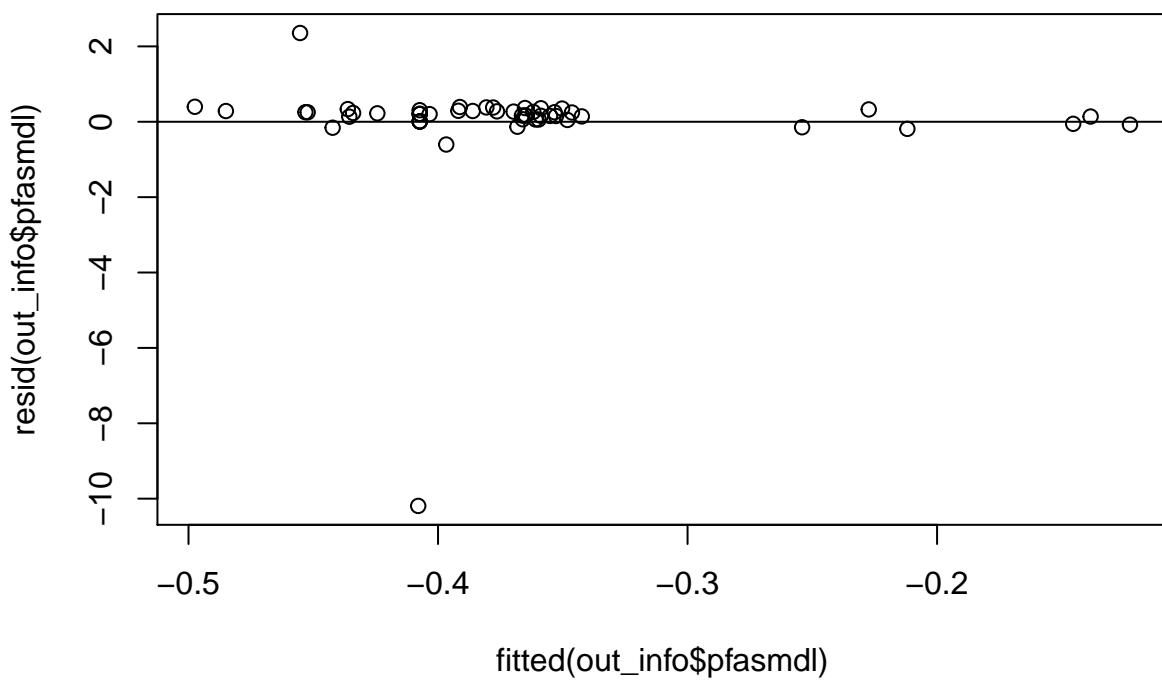
**Normal Q-Q Plot**



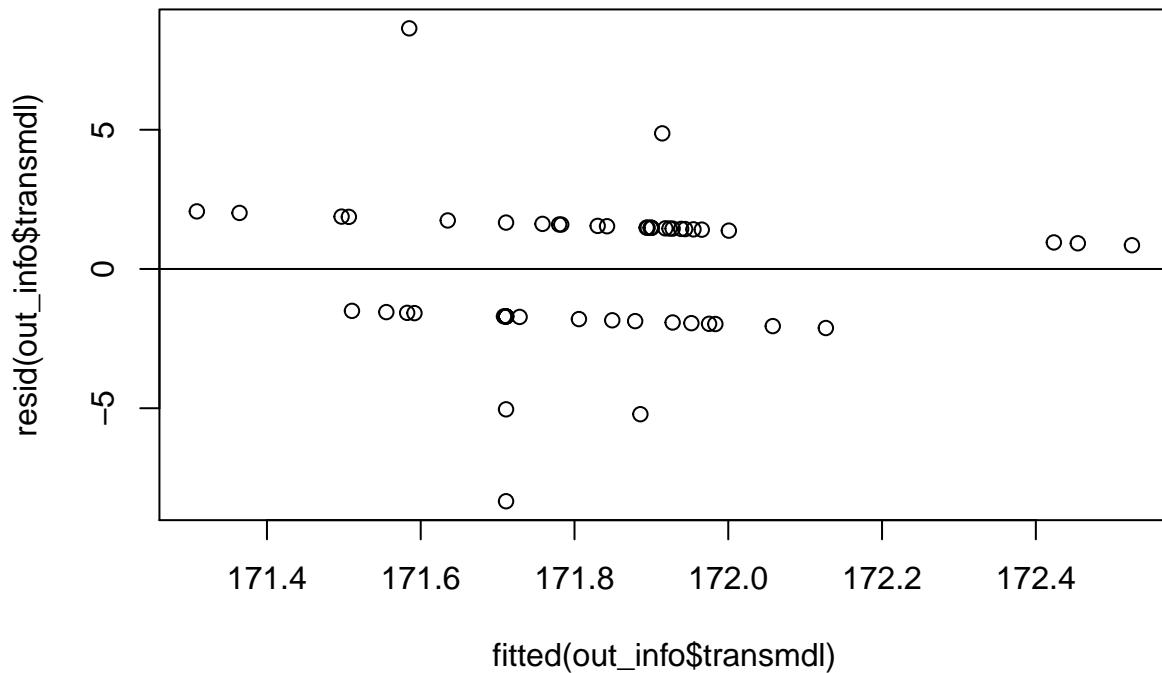
### Normal Q-Q Plot



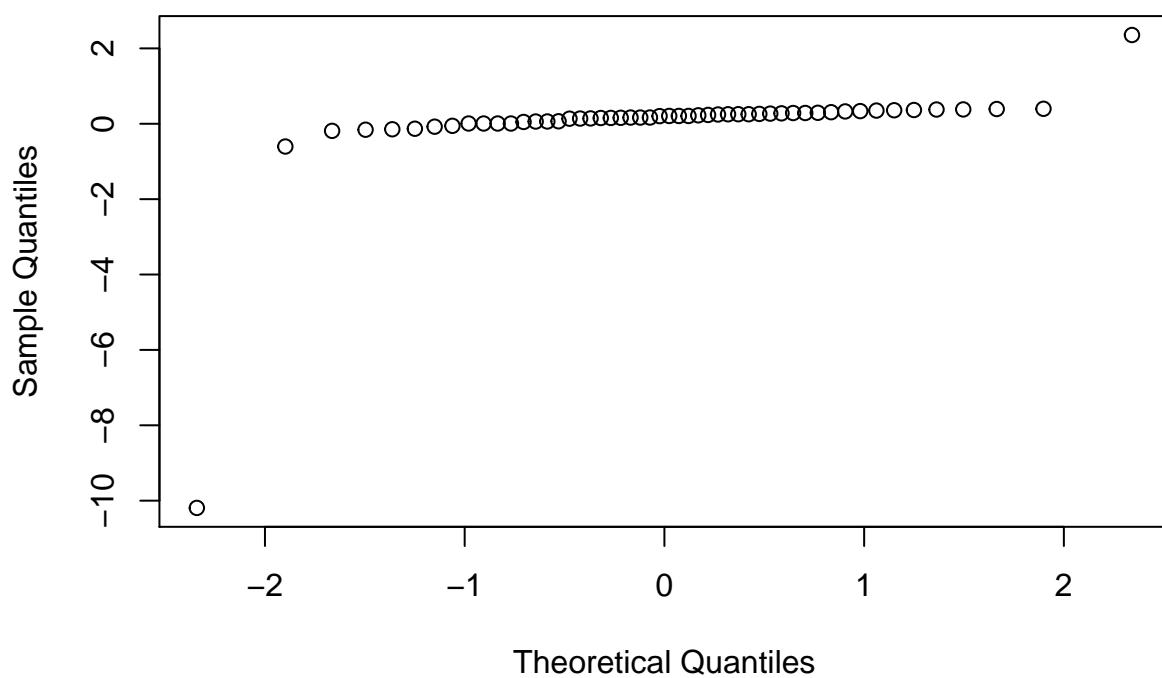
Plot of PFNAorig+  
Plot of PFNAorigtime.since.baseline  
Plot of PFNAorigEthnicity



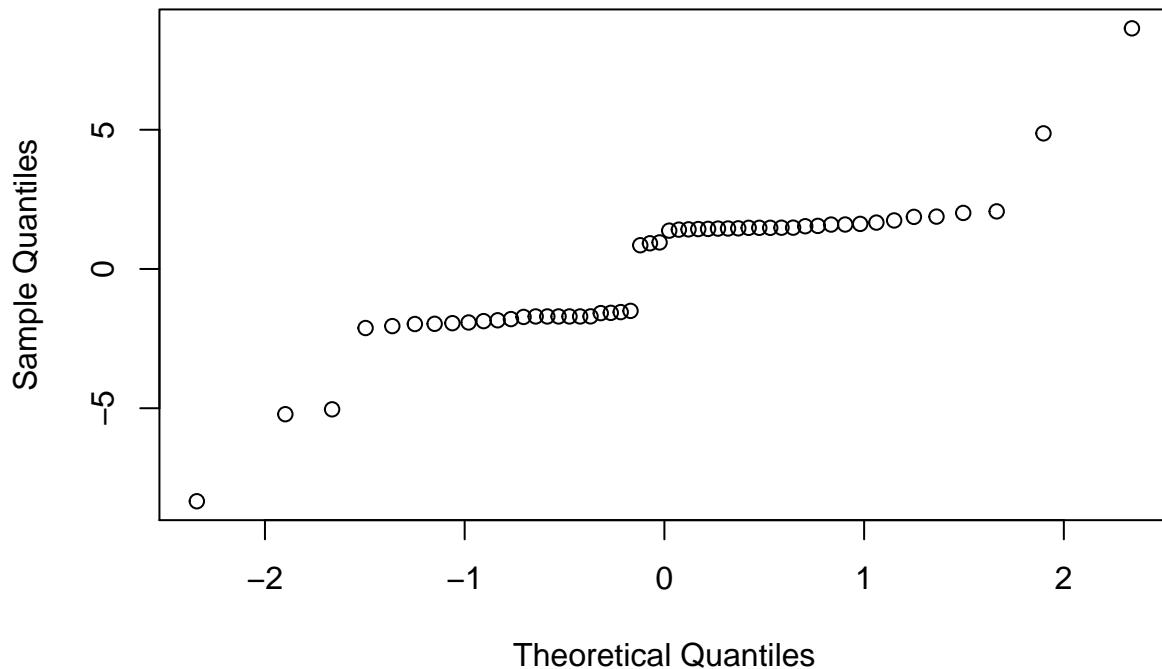
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Plot of PFDEAtranstime.since.baseline  
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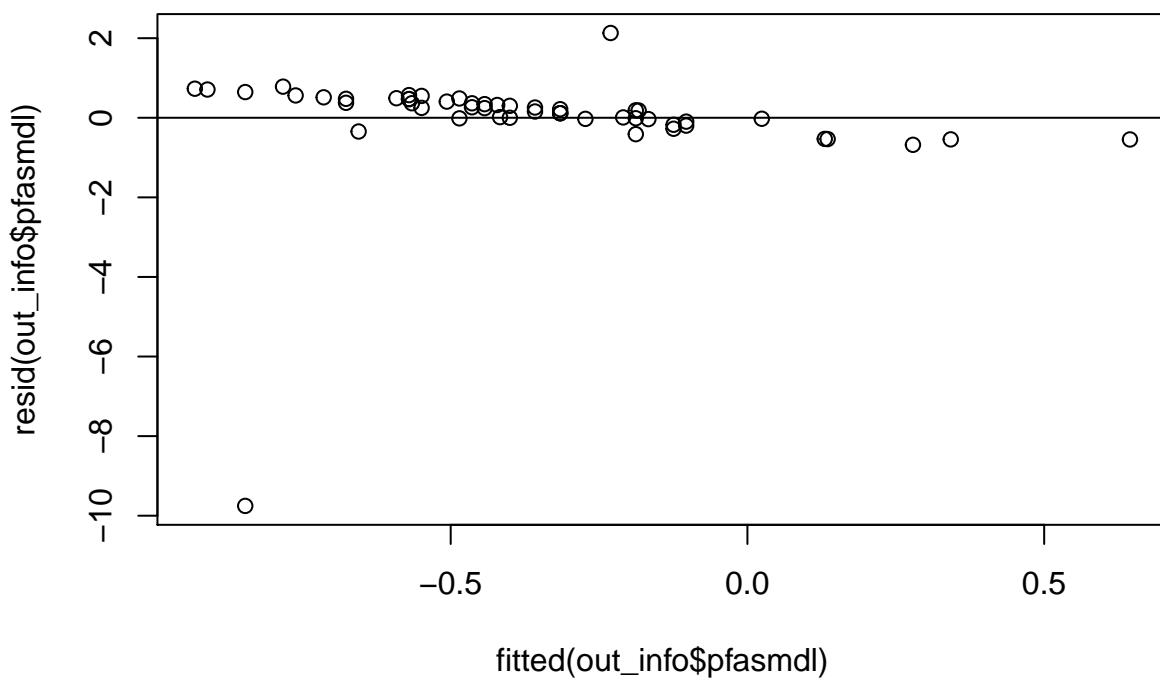
**Normal Q-Q Plot**



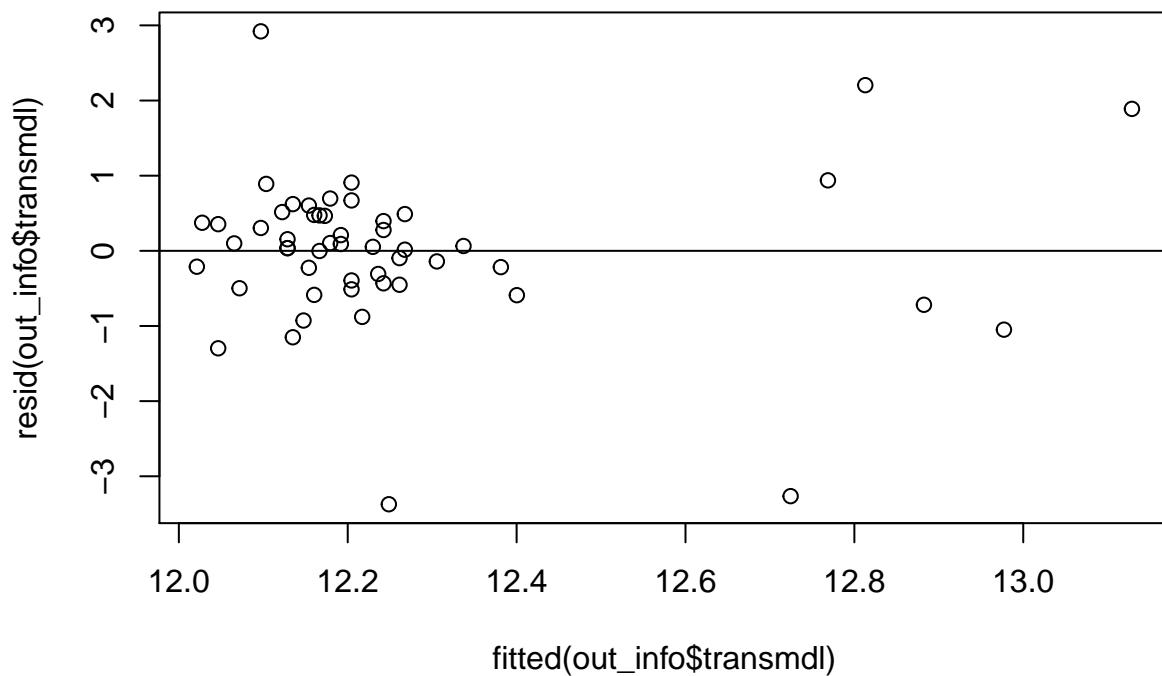
### Normal Q-Q Plot



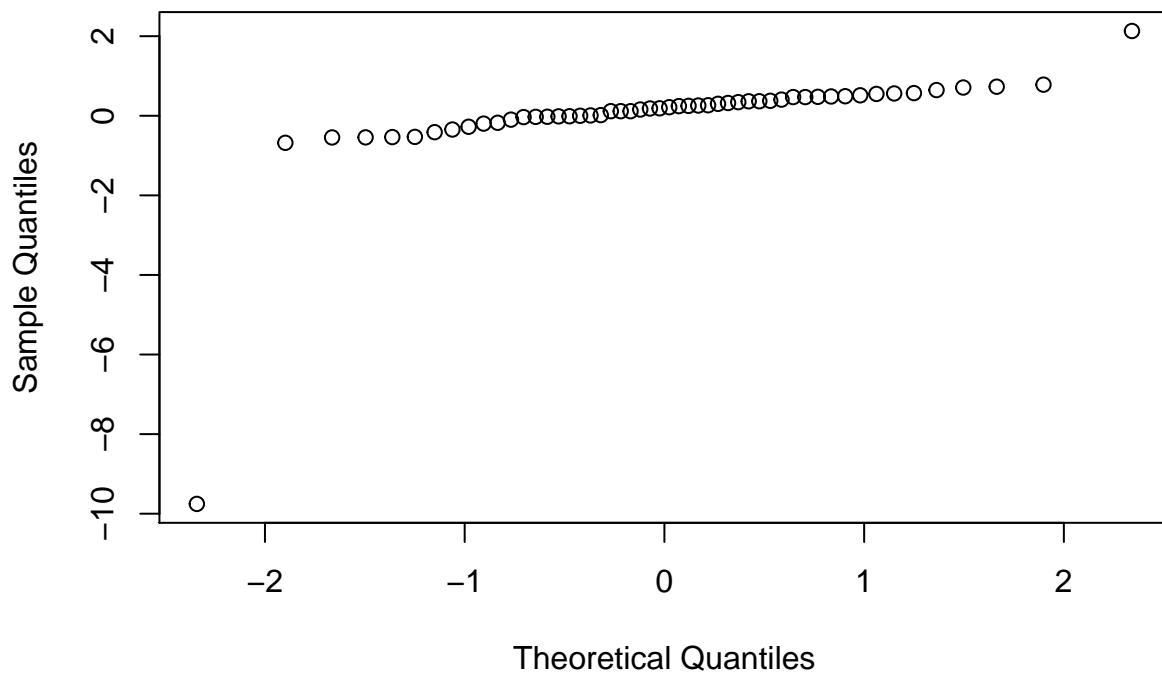
Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity



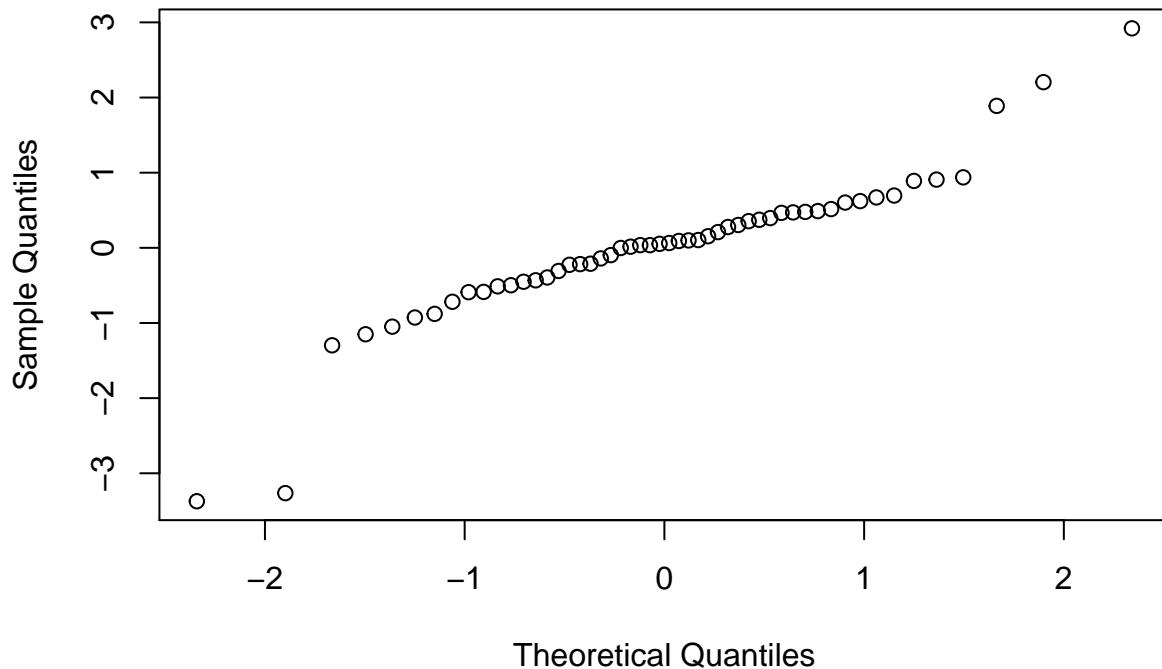
**Plot of PFHXStrans+  
Plot of PFHXStran total.num.fireruns  
Plot of PFHXStransEthnicity**



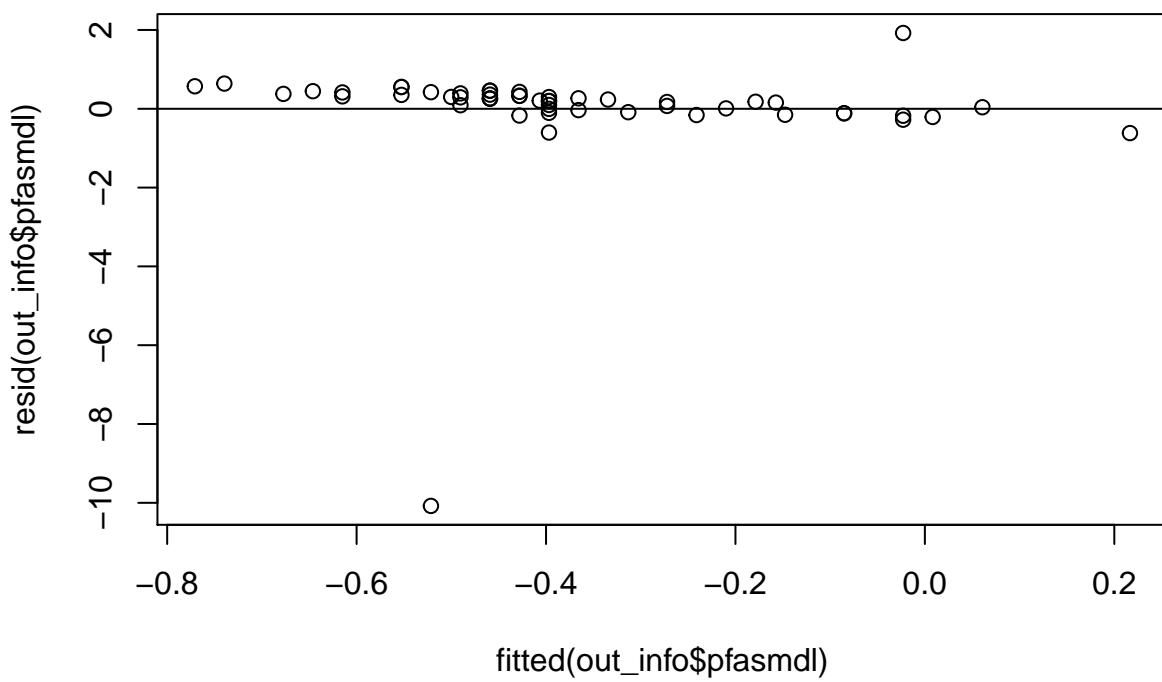
**Normal Q-Q Plot**



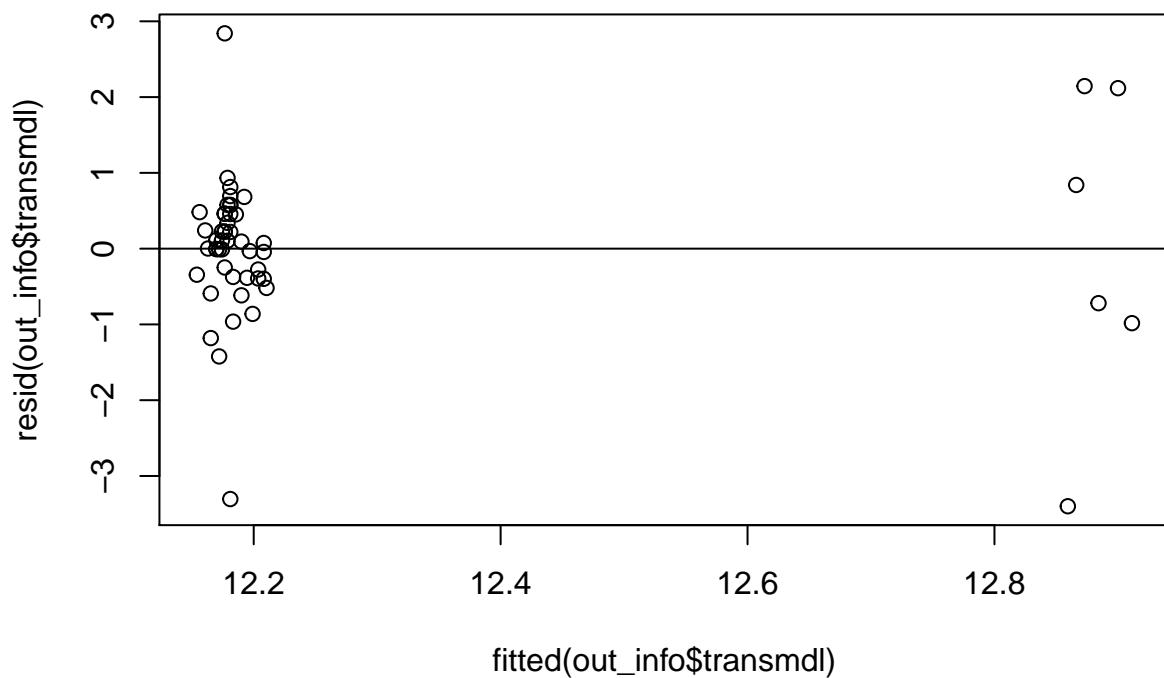
### Normal Q-Q Plot



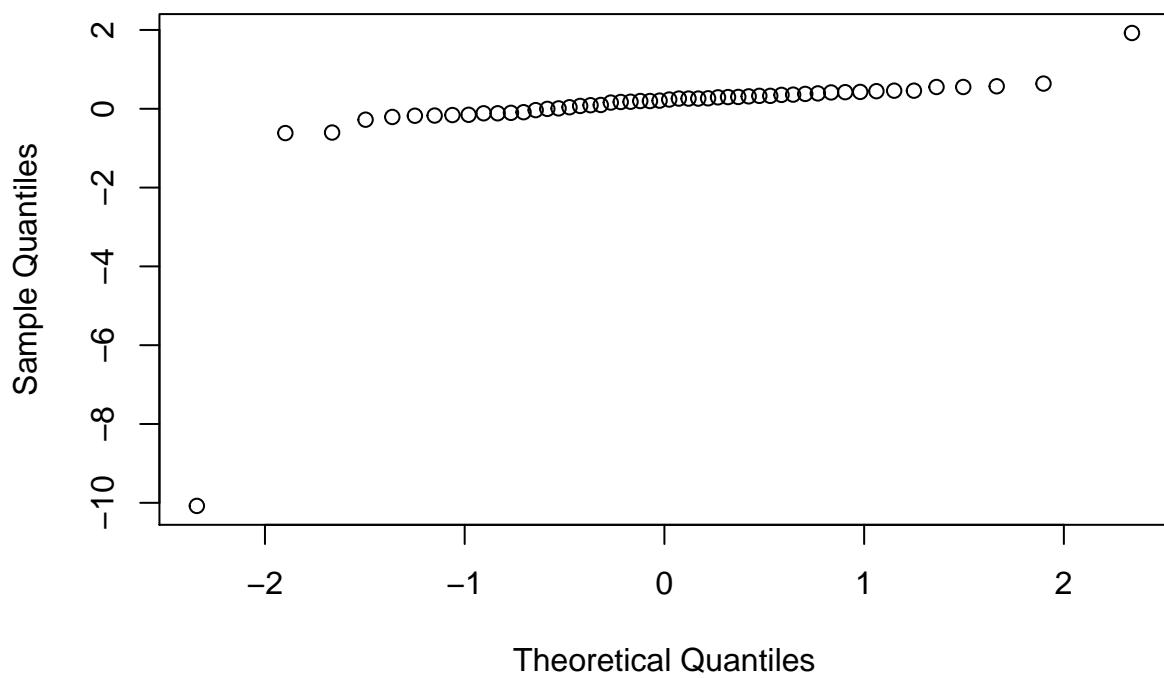
Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity



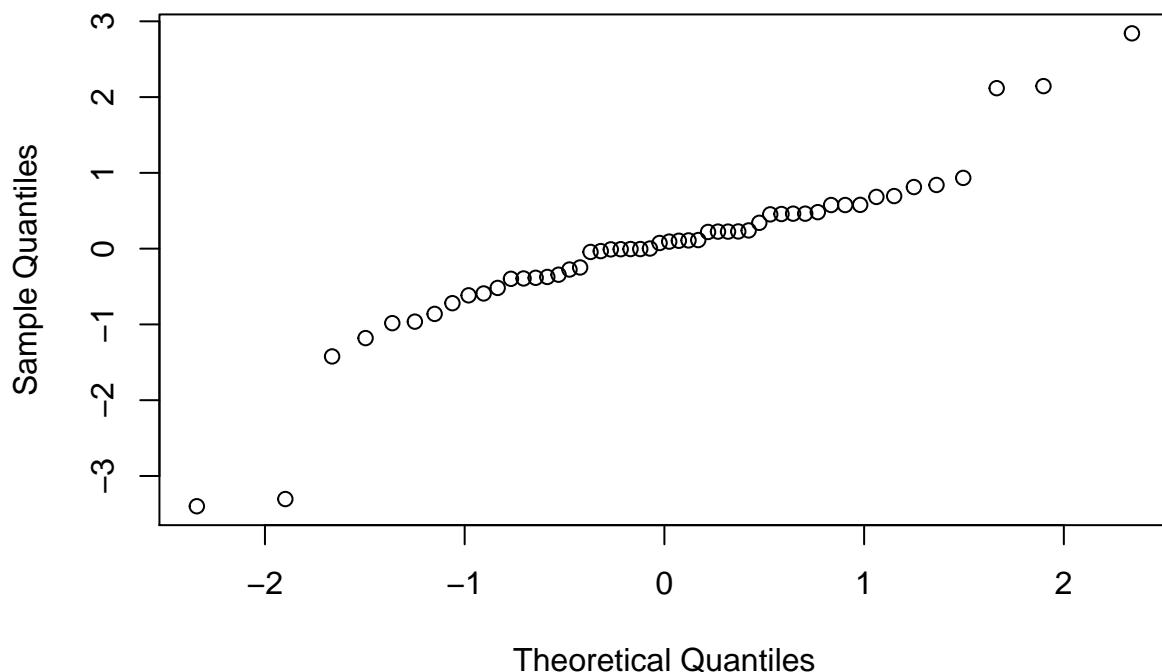
**Plot of PFHXStrans+  
Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



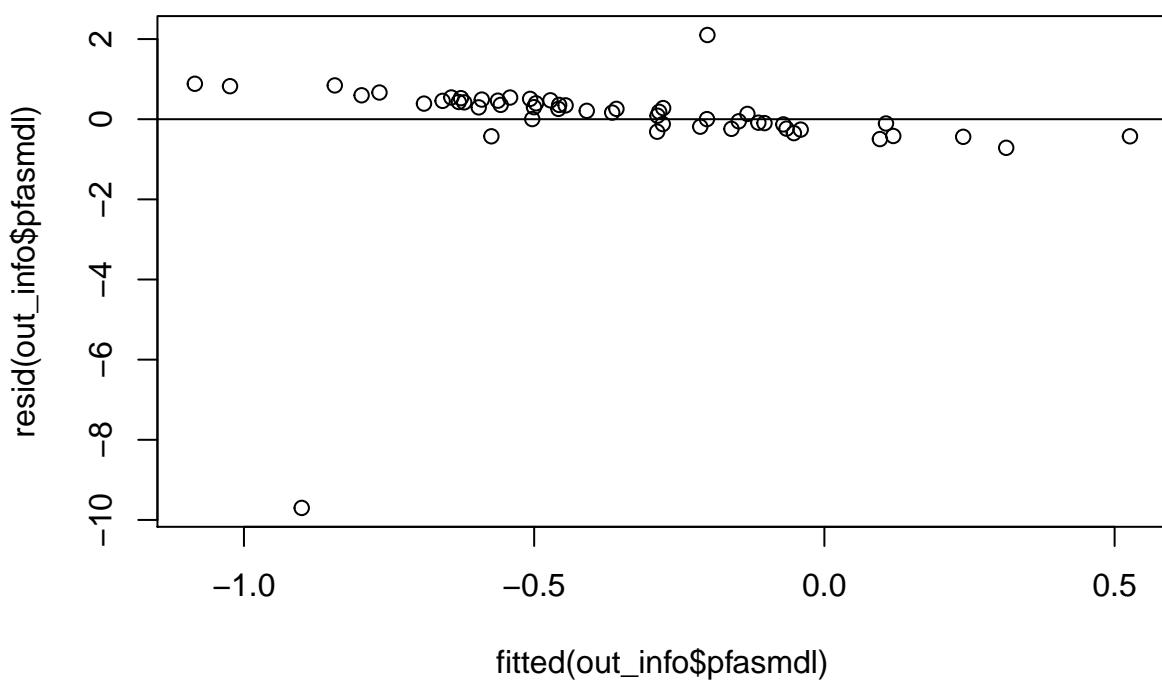
**Normal Q-Q Plot**



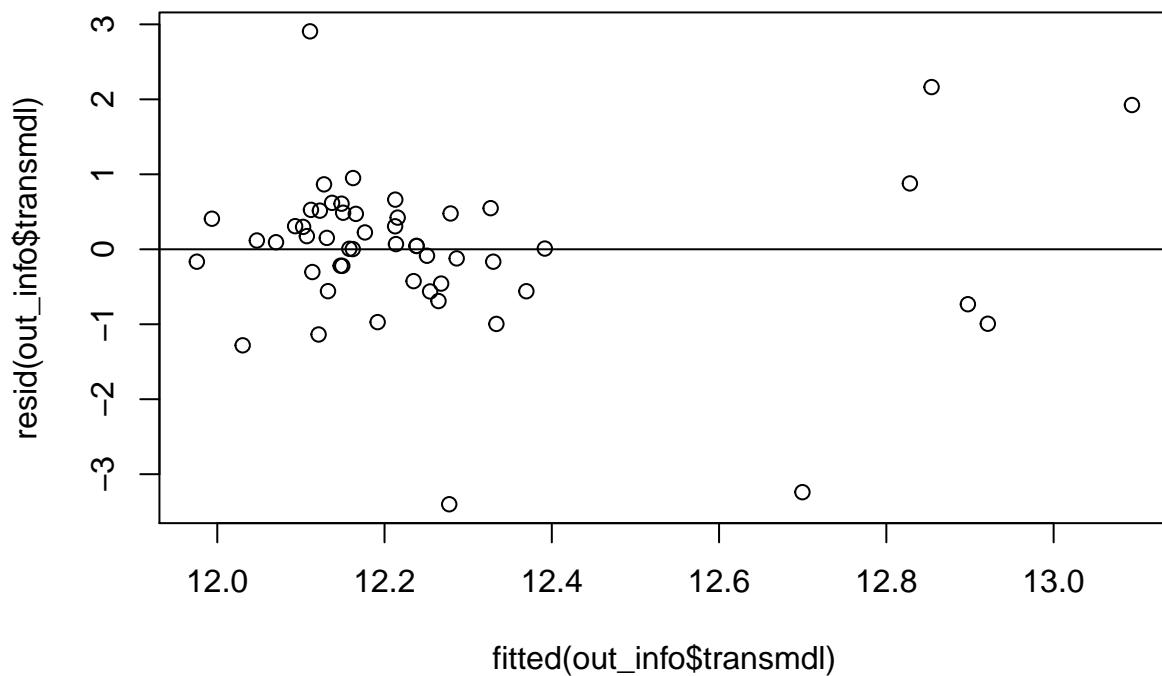
### Normal Q-Q Plot



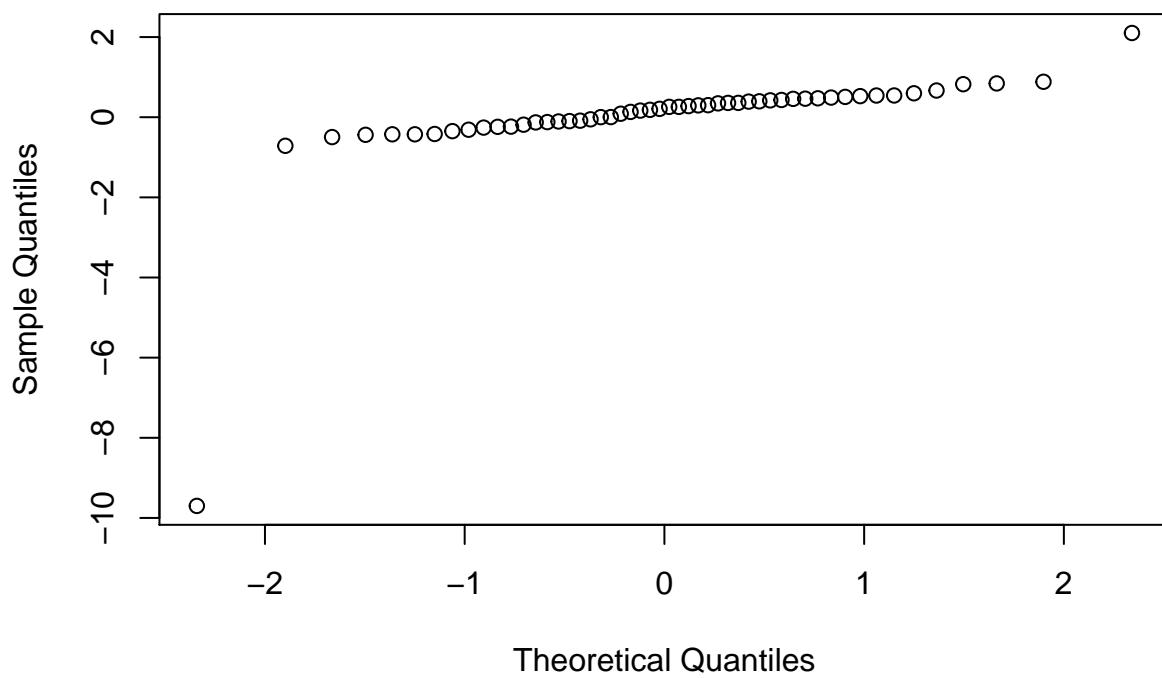
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



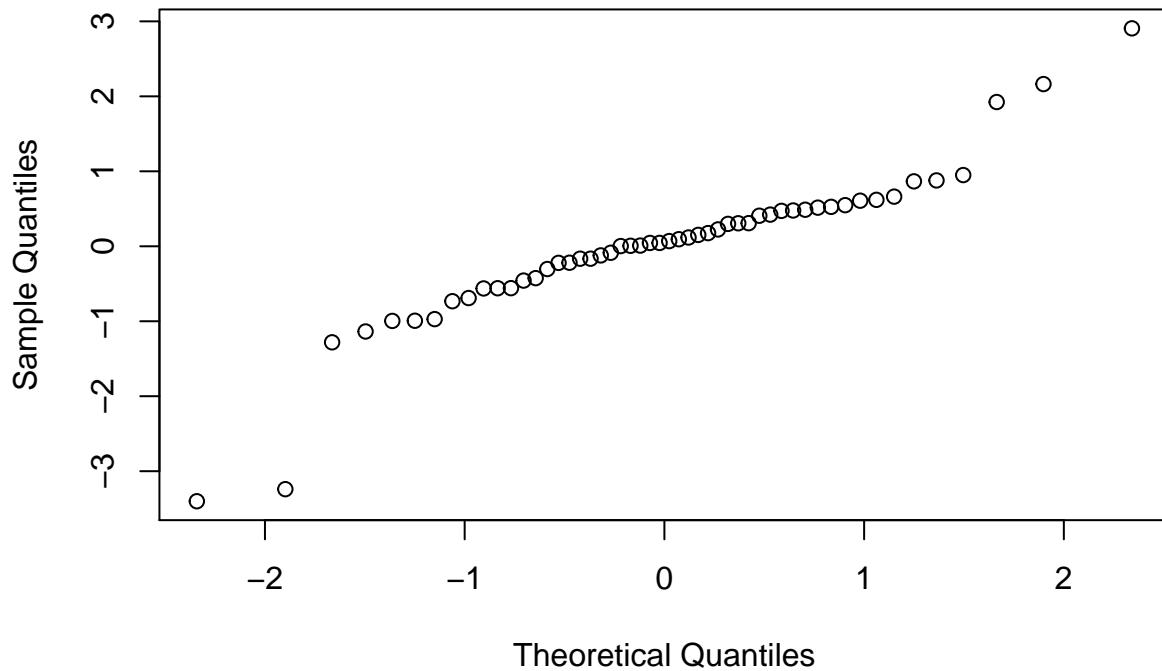
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



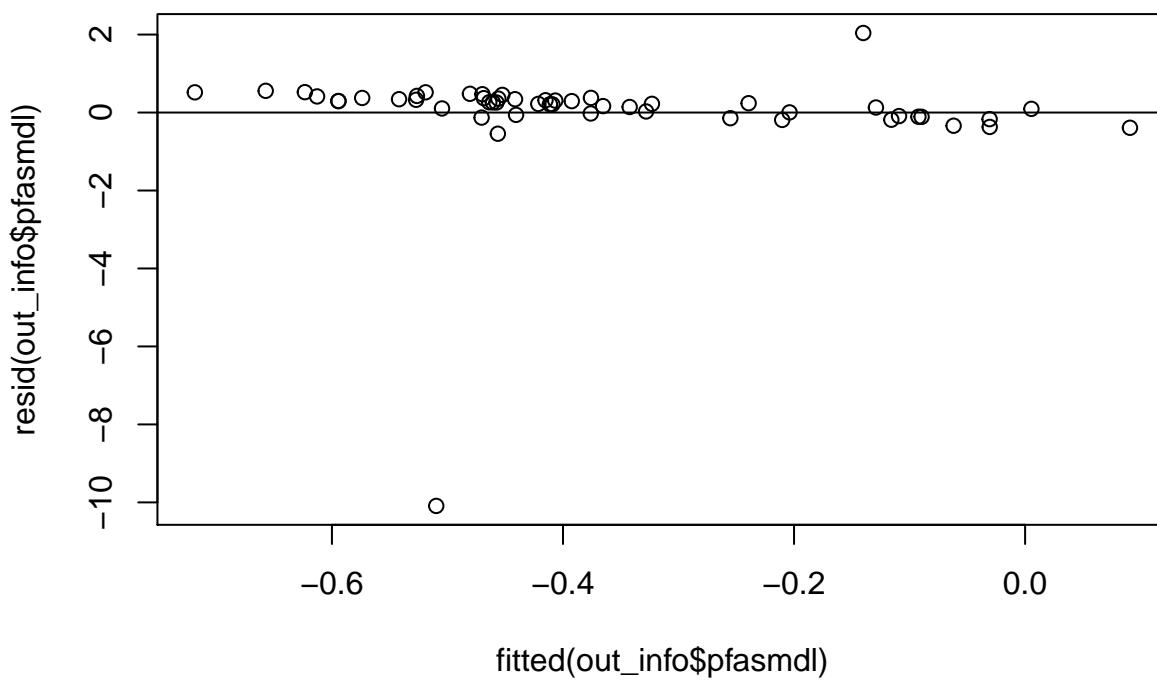
**Normal Q-Q Plot**



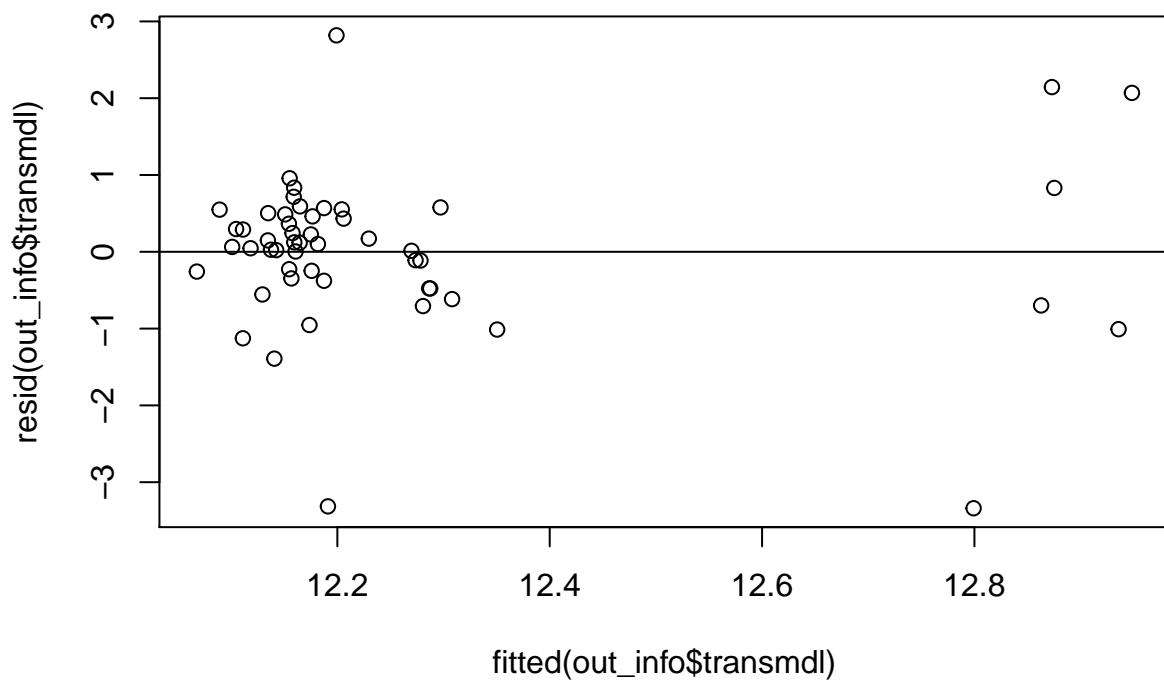
### Normal Q-Q Plot



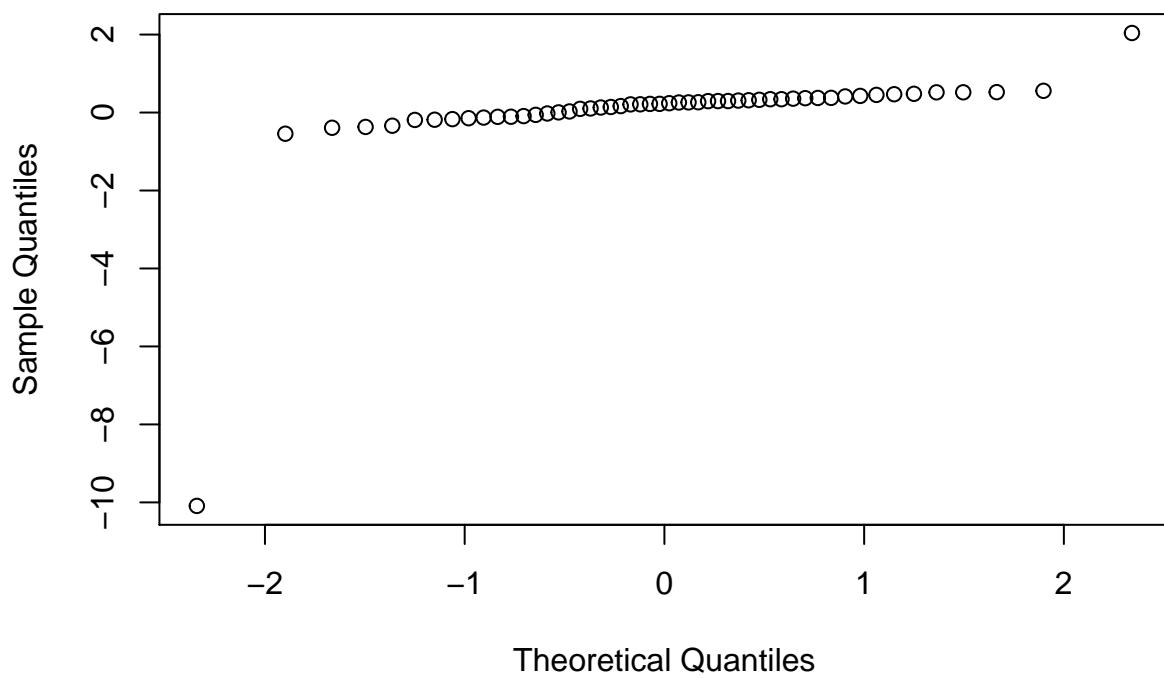
Plot of PFNAorig+  
Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity



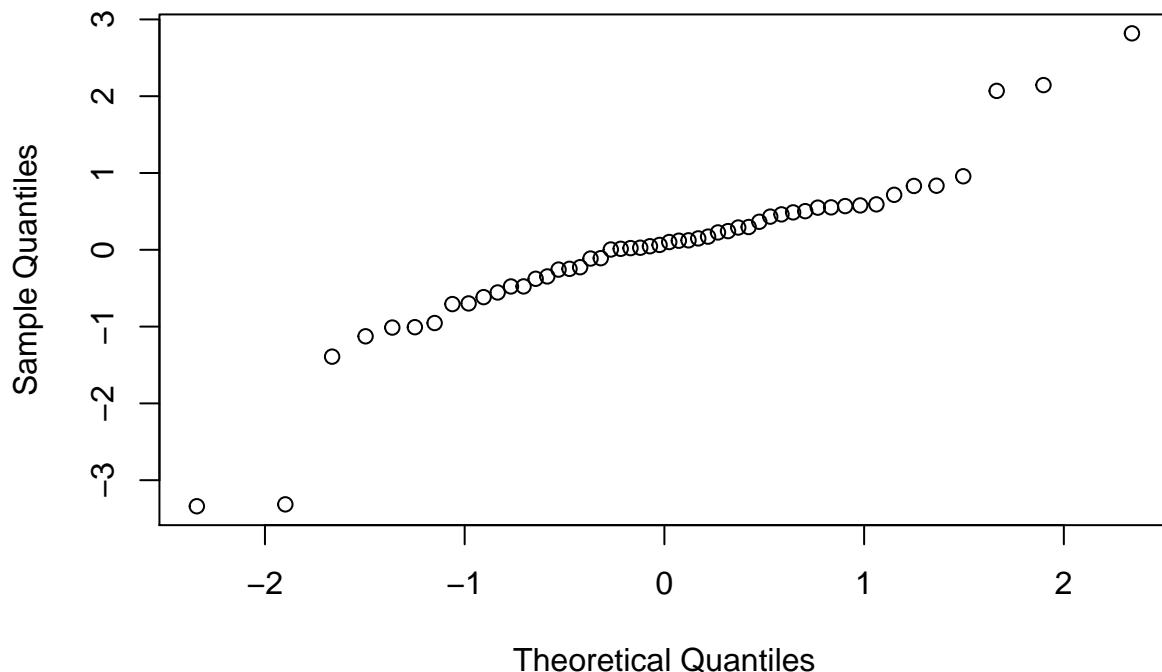
**Plot of PFHXStrans+  
Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



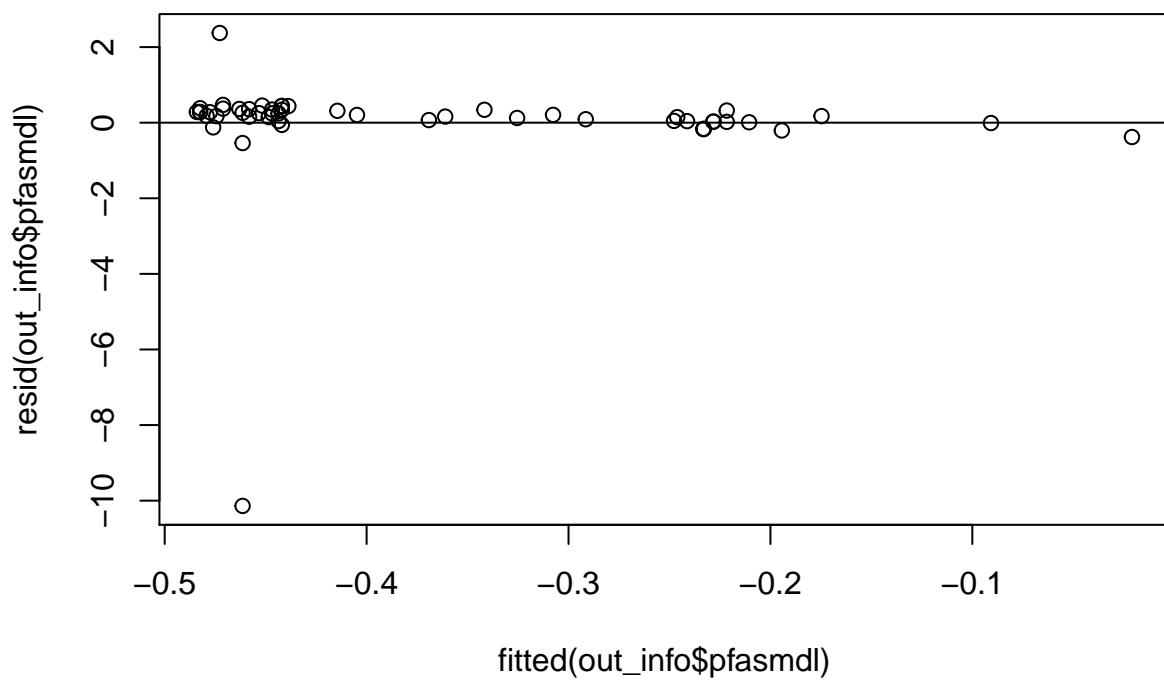
**Normal Q-Q Plot**



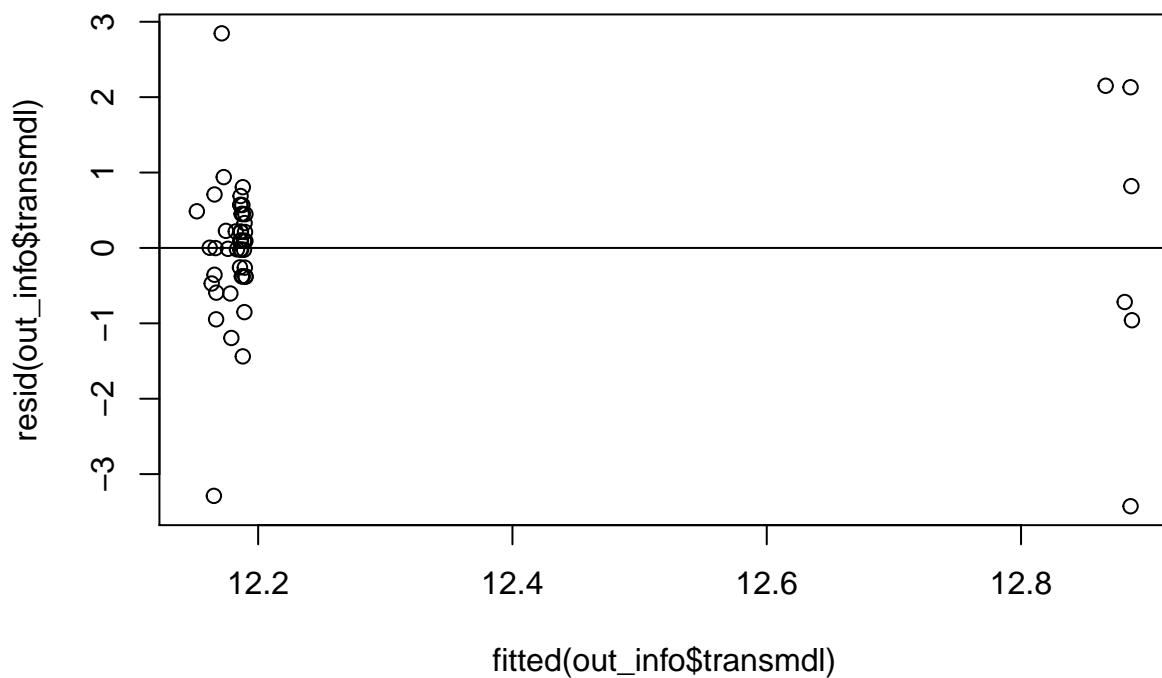
### Normal Q-Q Plot



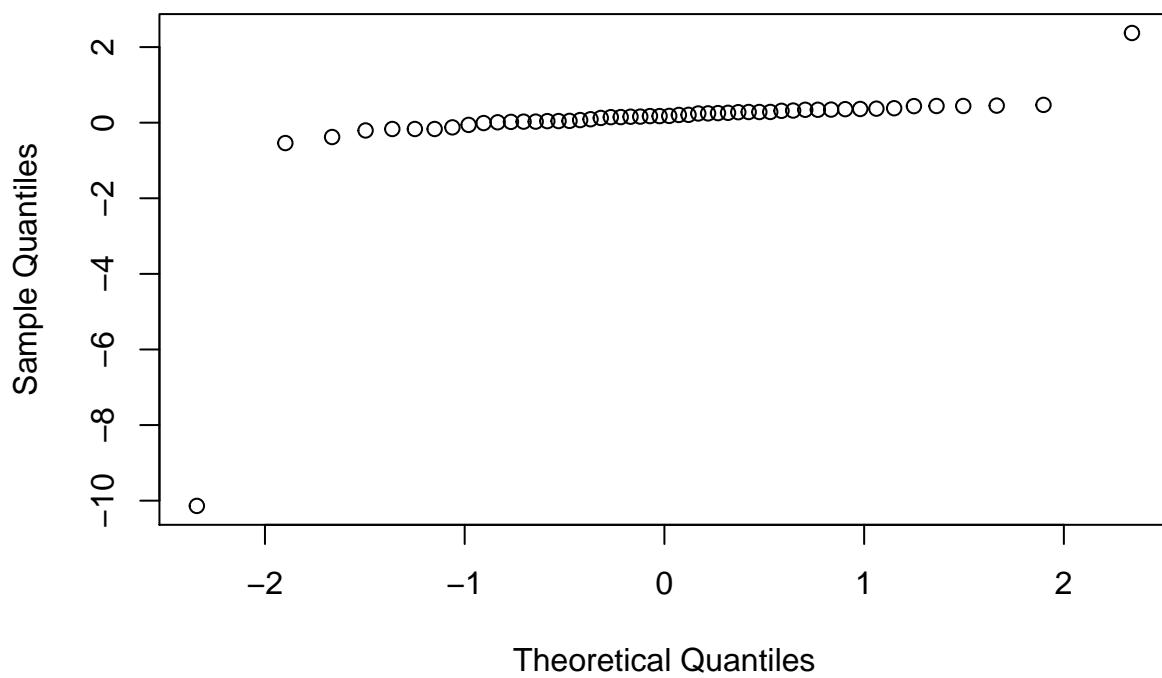
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.MRF  
Plot of PFNAorigEthnicity**



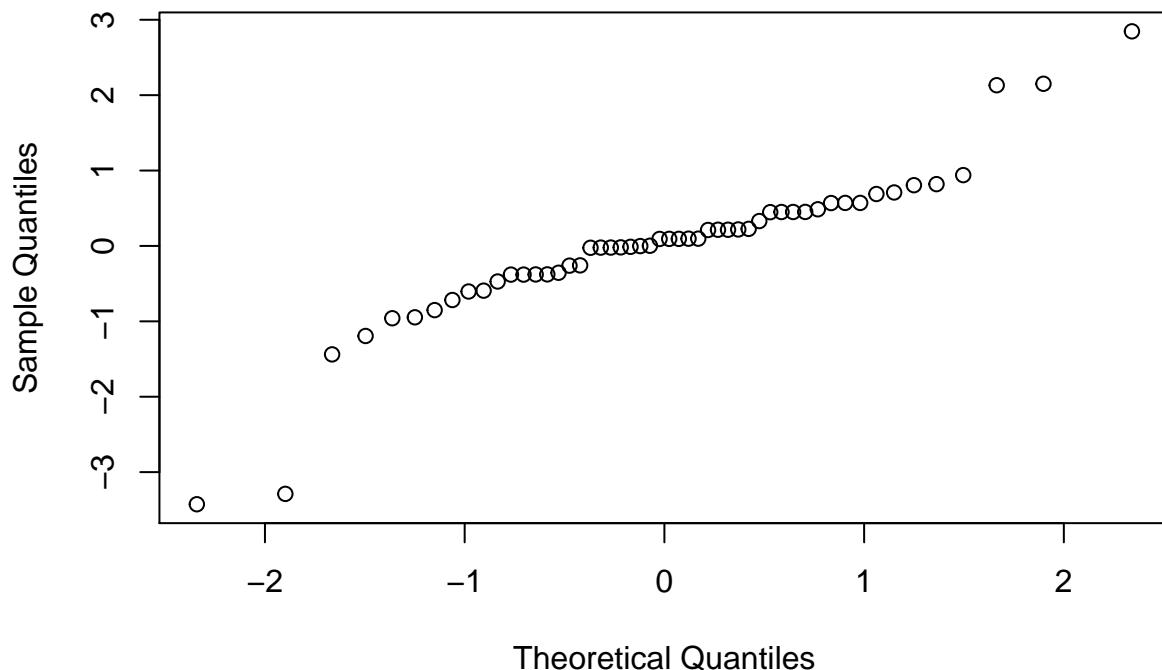
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



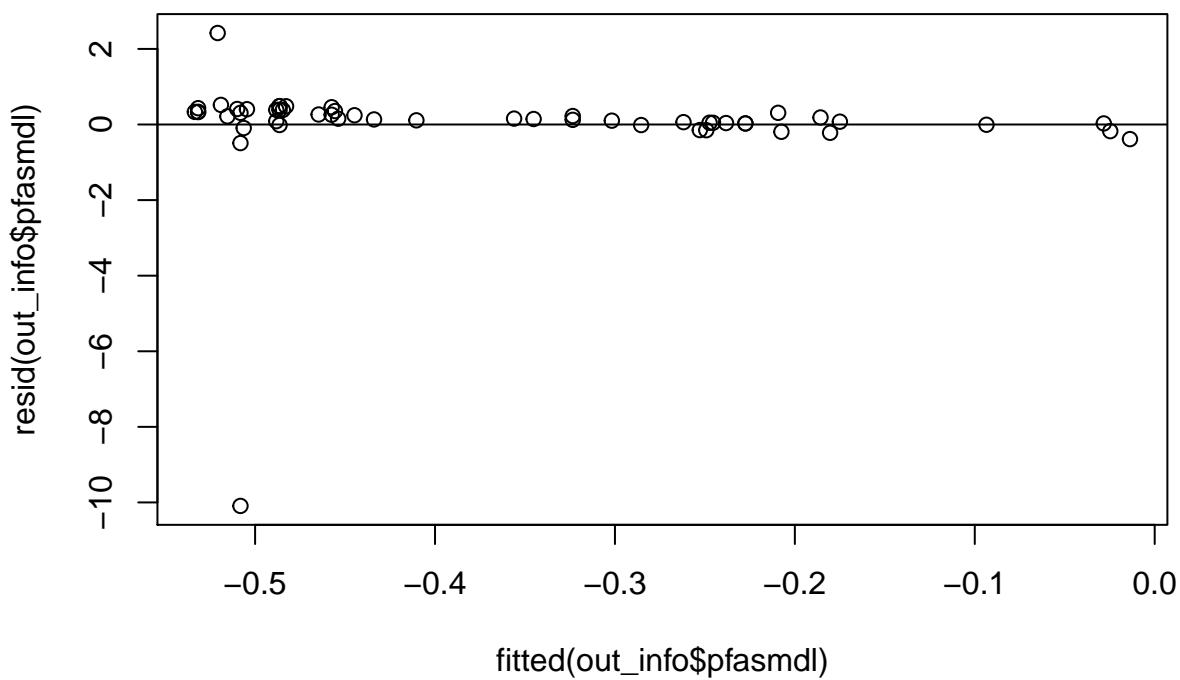
**Normal Q-Q Plot**



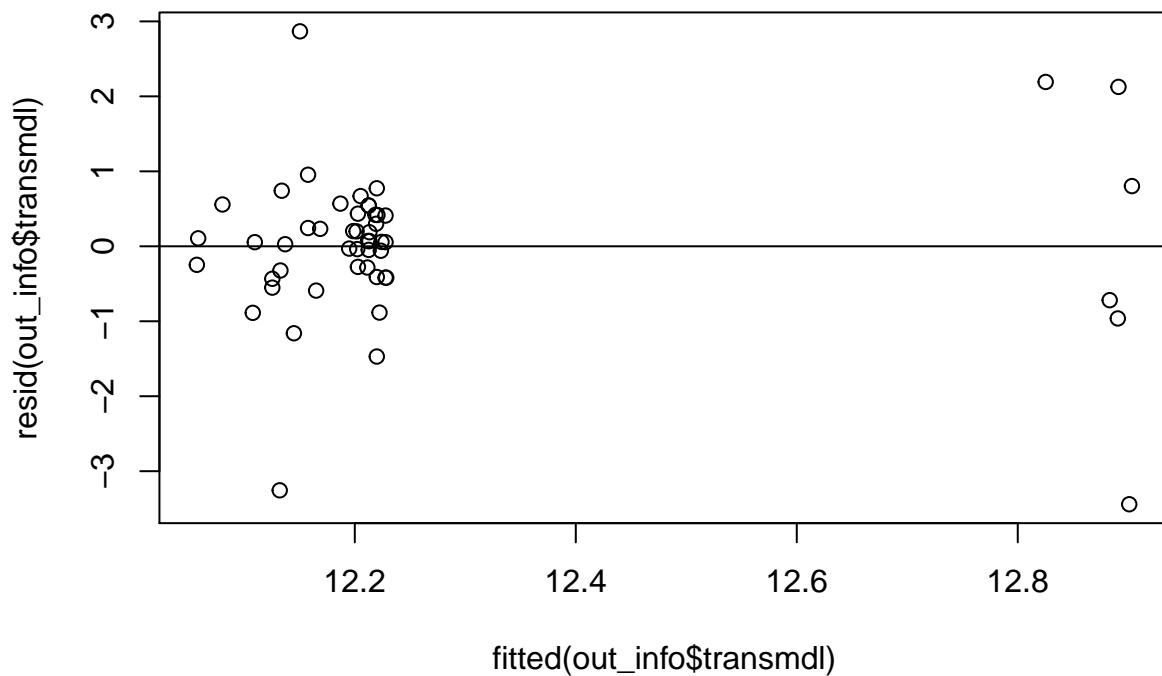
### Normal Q-Q Plot



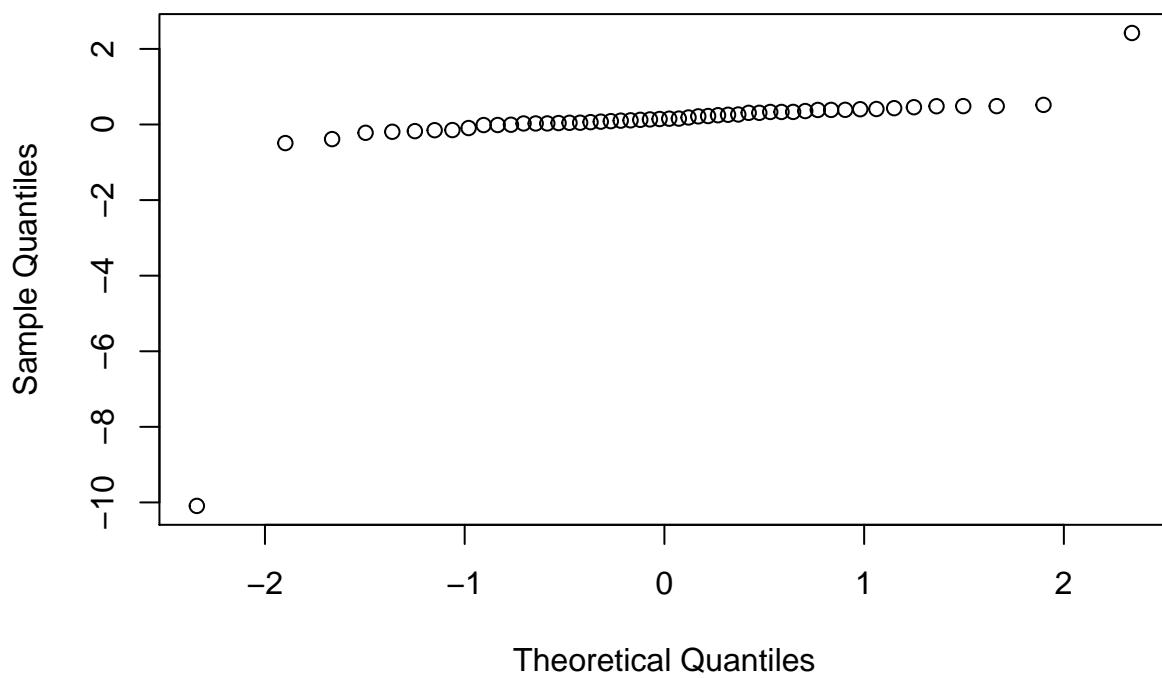
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.struc.MRF  
Plot of PFNAorigEthnicity**



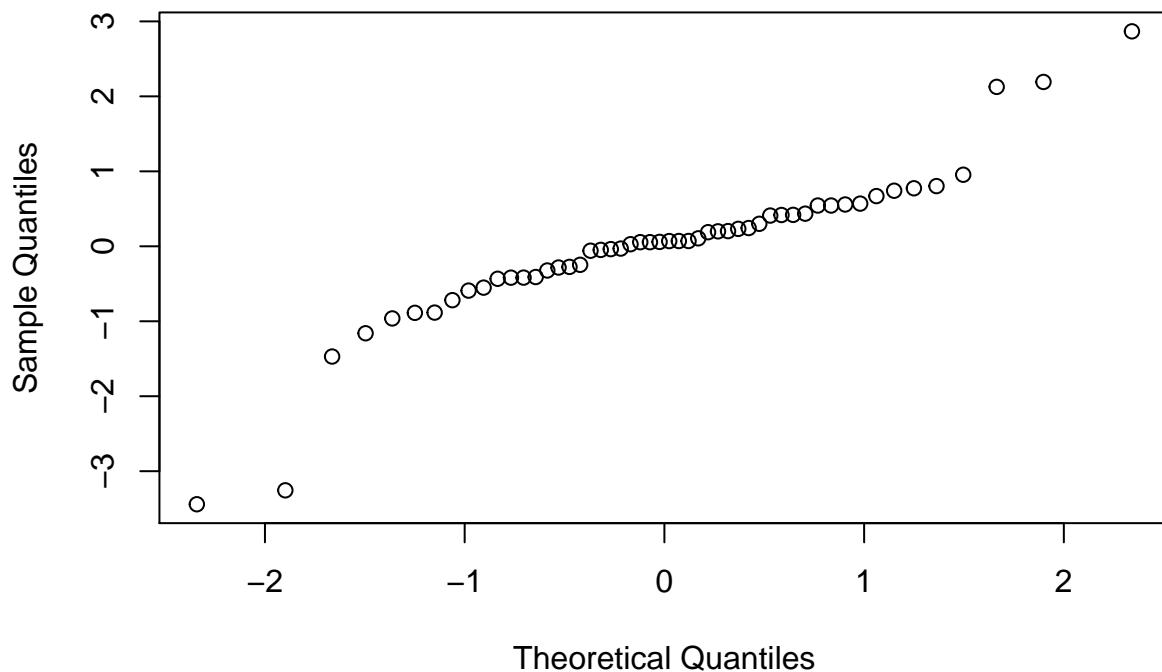
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.struc.MRF  
Plot of PFHXStransEthnicity**



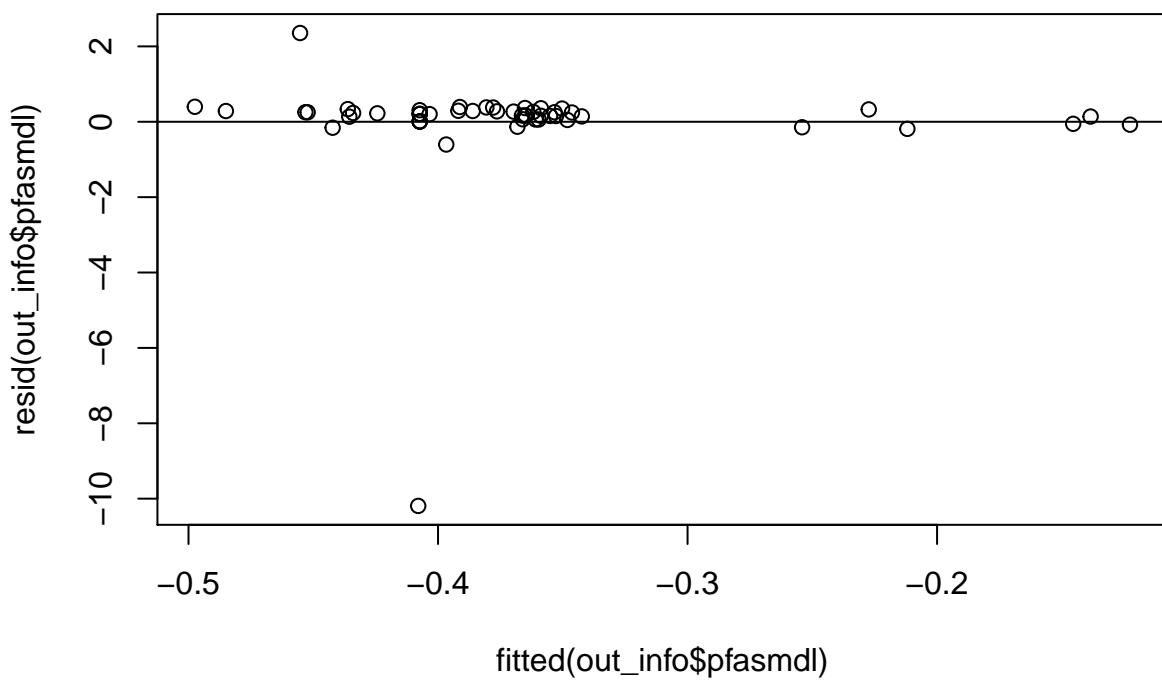
**Normal Q-Q Plot**



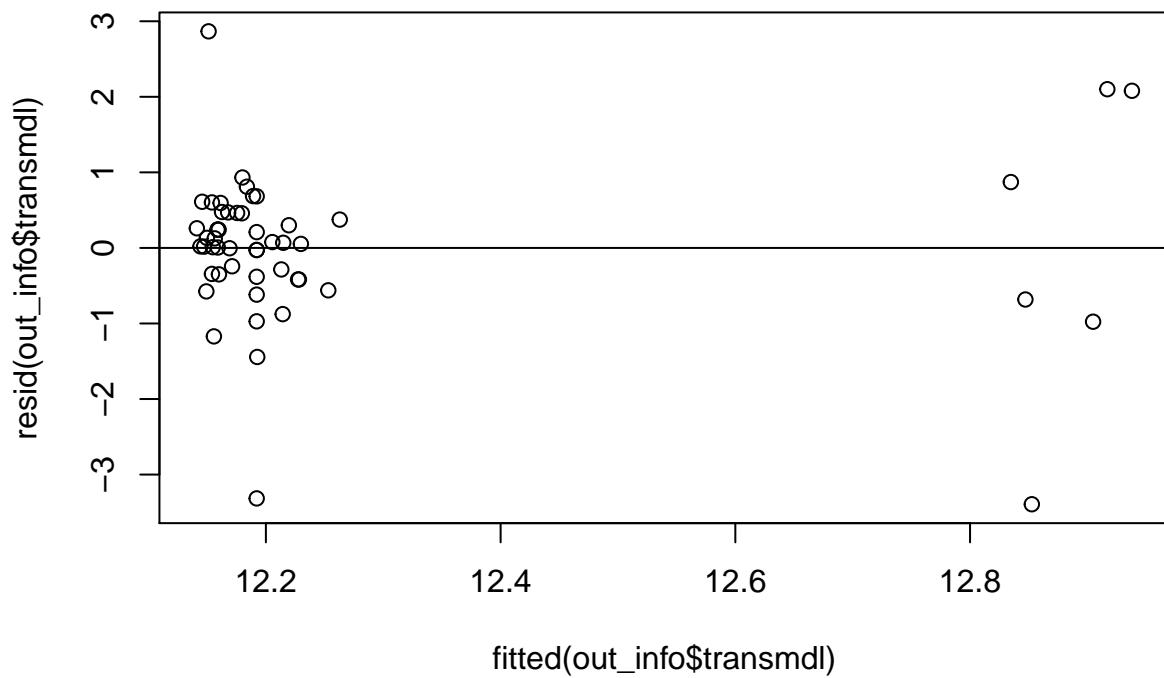
### Normal Q-Q Plot



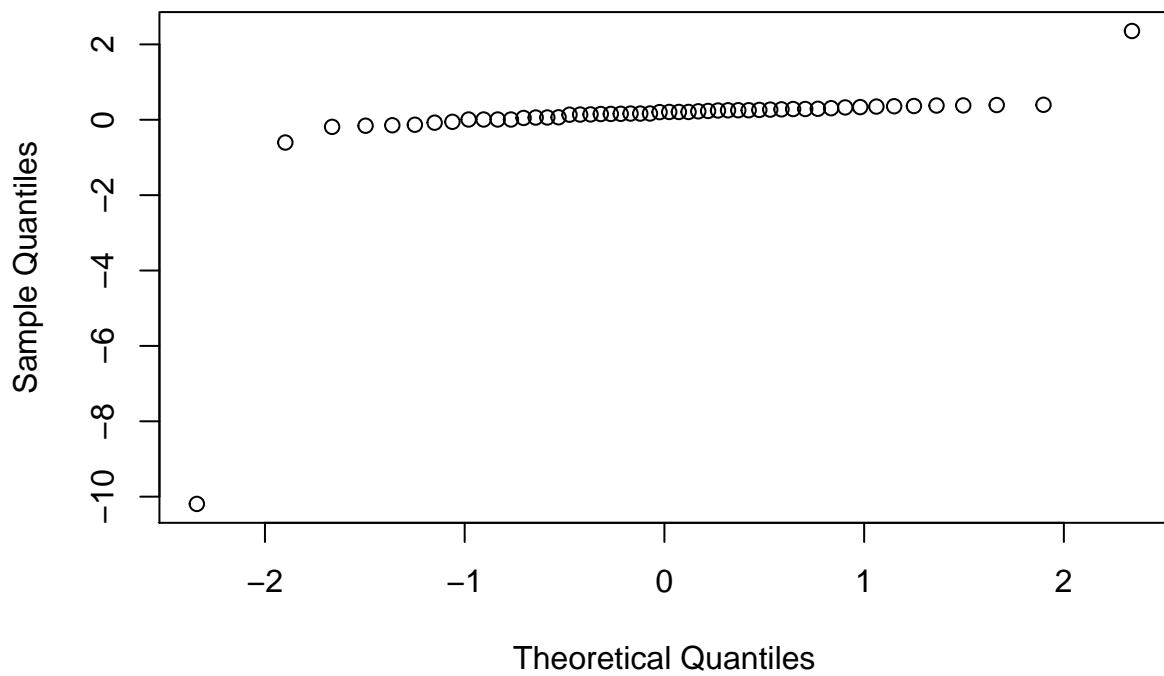
Plot of PFNAorig+  
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Plot of PFNAorigEthnicity



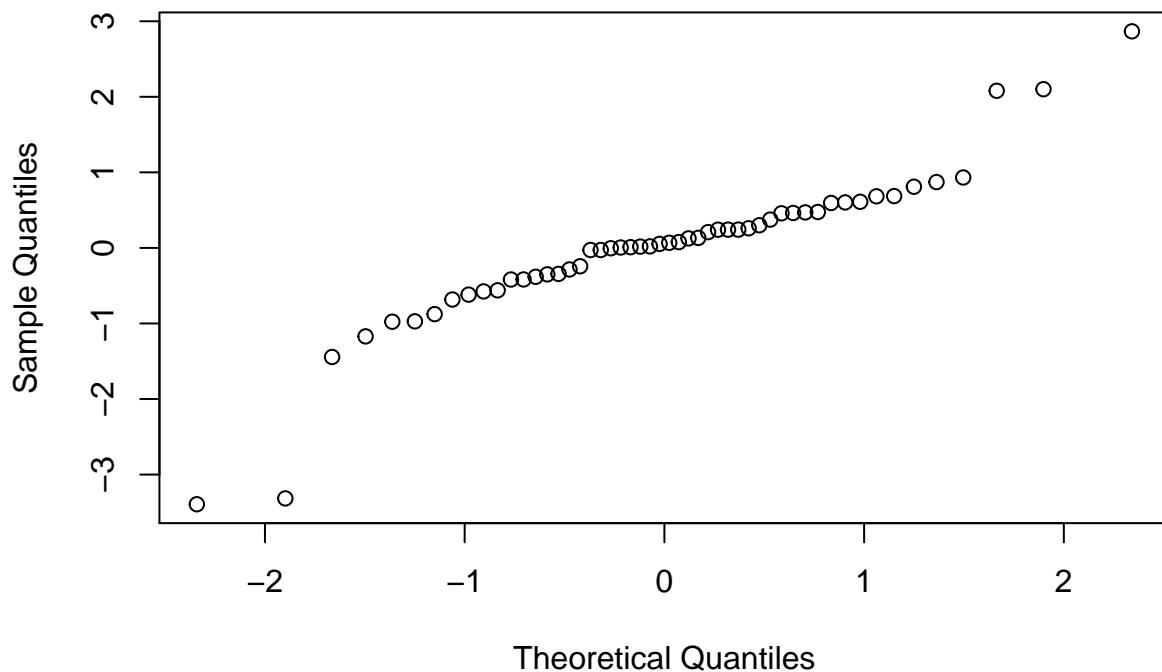
**Plot of PFHXStrans+  
Plot of PFHXStranstime.since.baseline  
Plot of PFHXStransEthnicity**



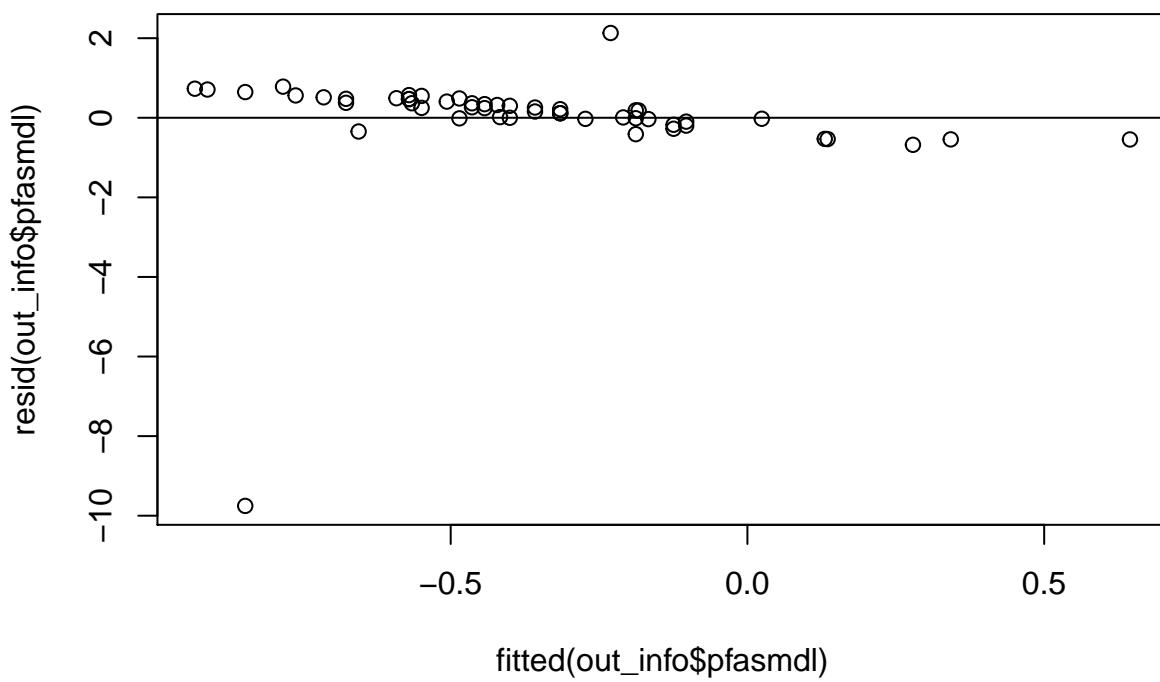
**Normal Q-Q Plot**



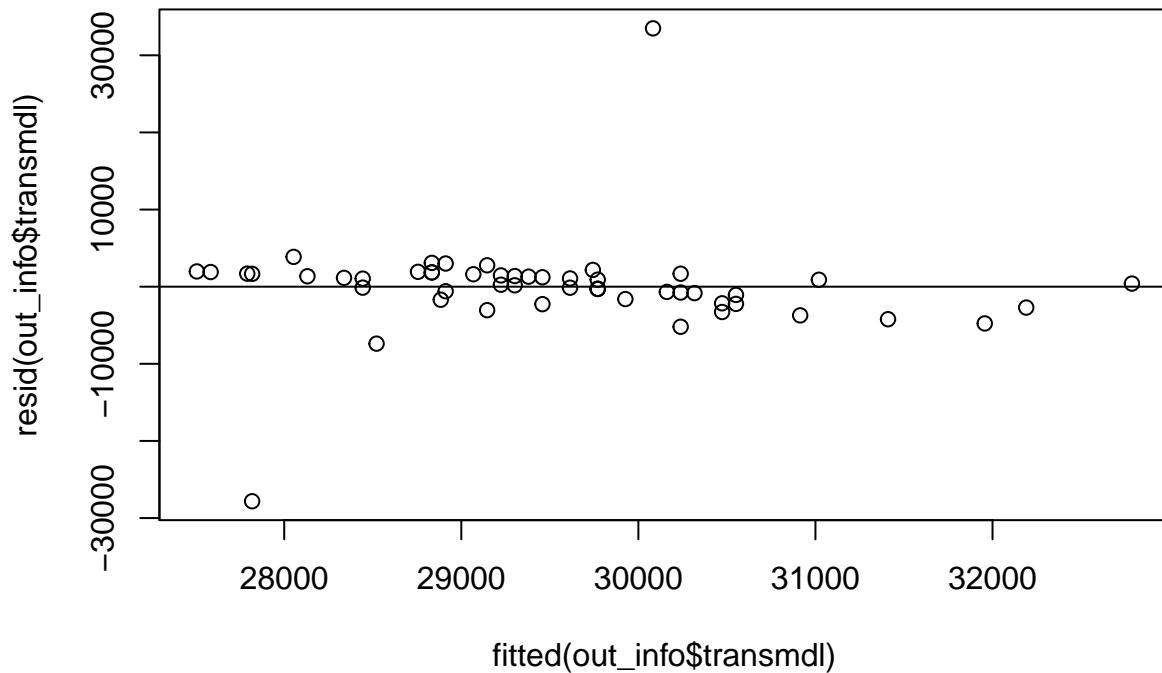
### Normal Q-Q Plot



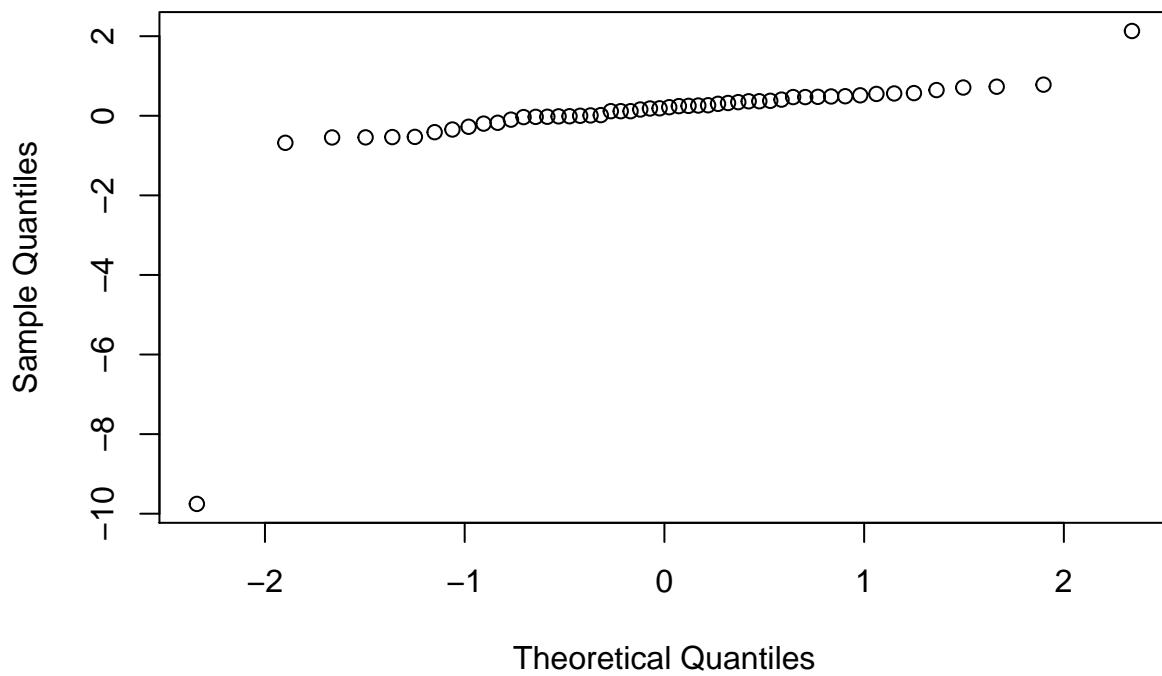
**Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity**



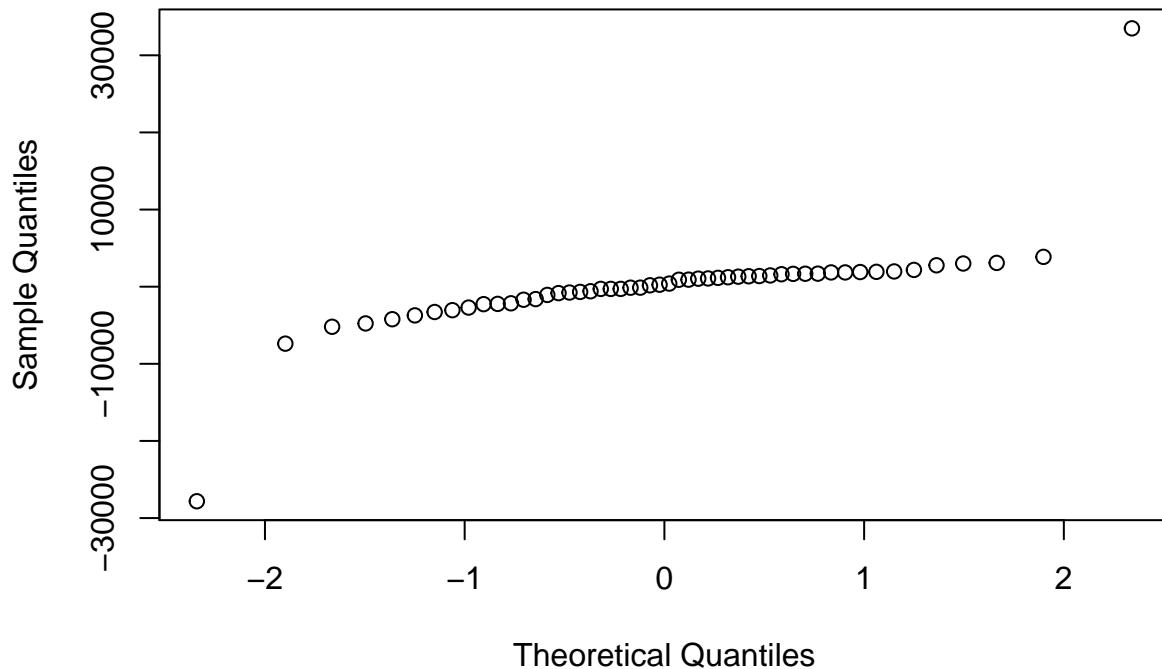
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



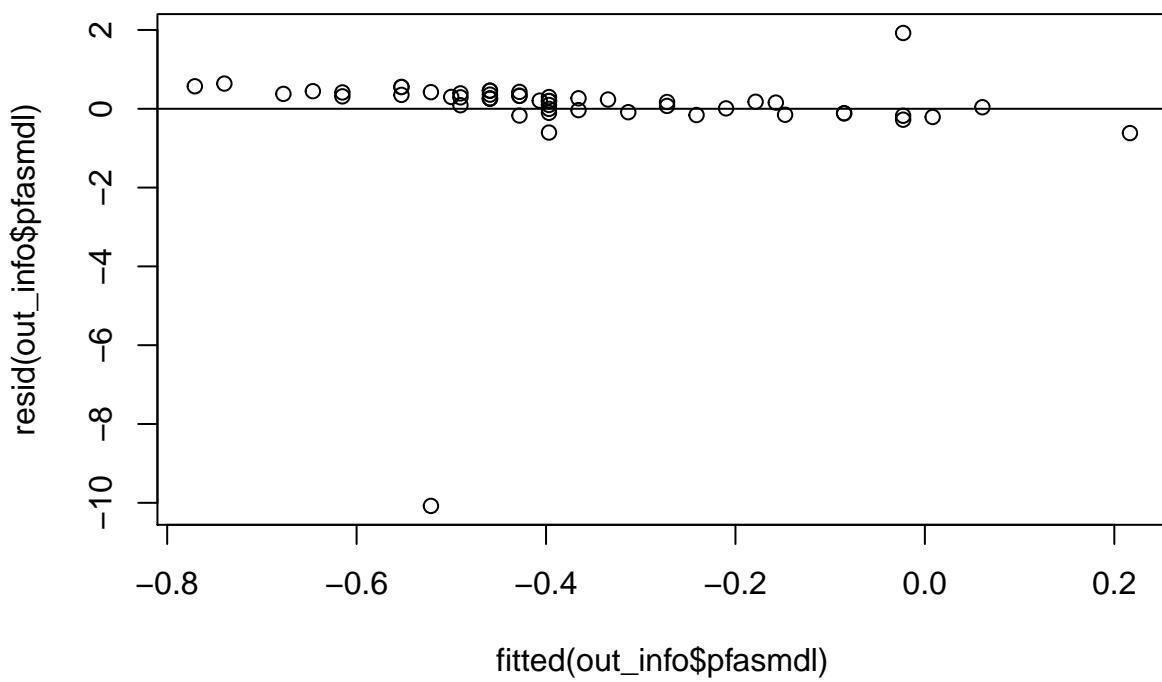
**Normal Q-Q Plot**



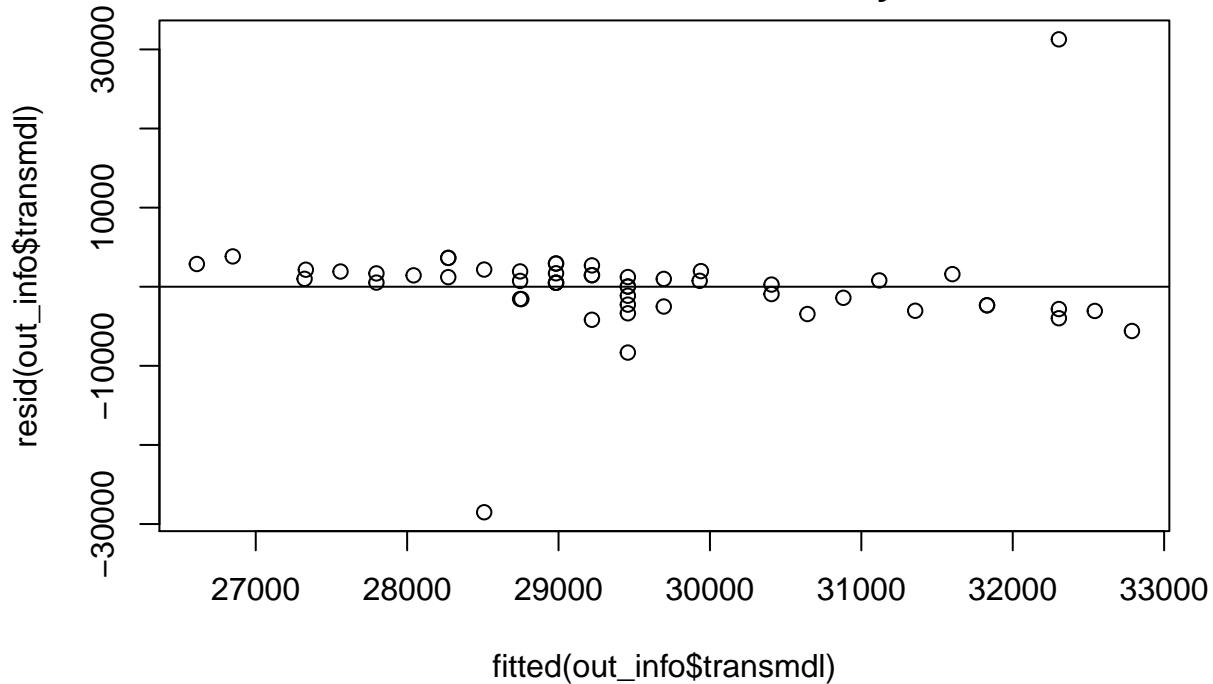
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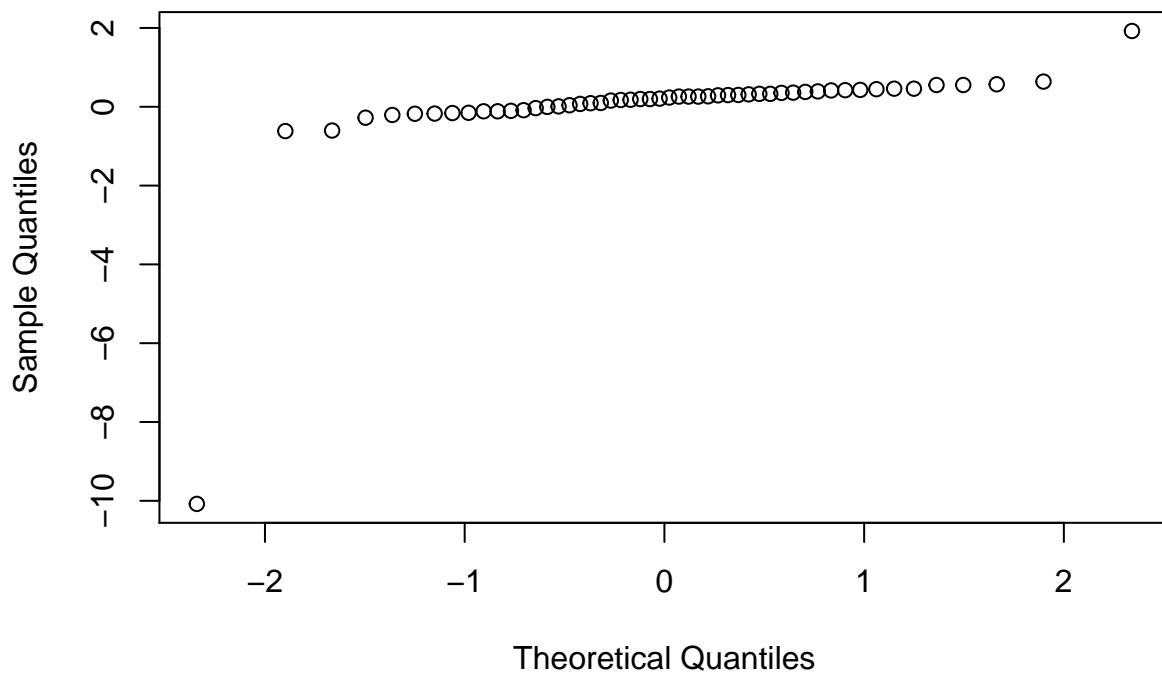
Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity



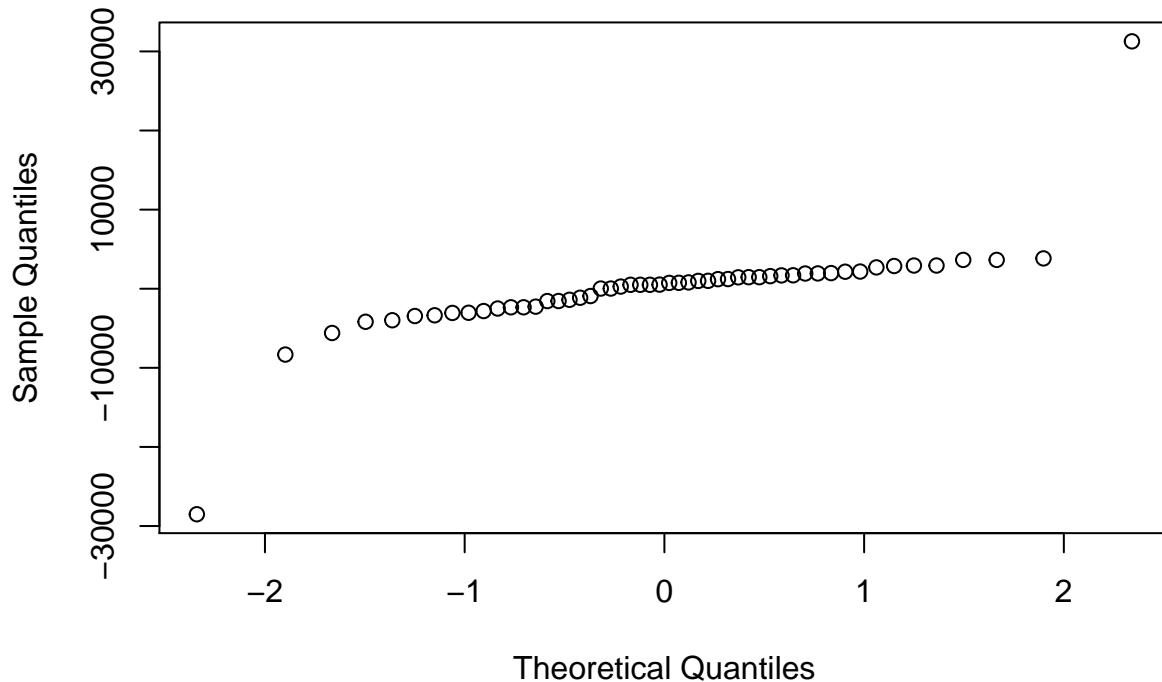
**Plot of PFNAtrans+  
Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**



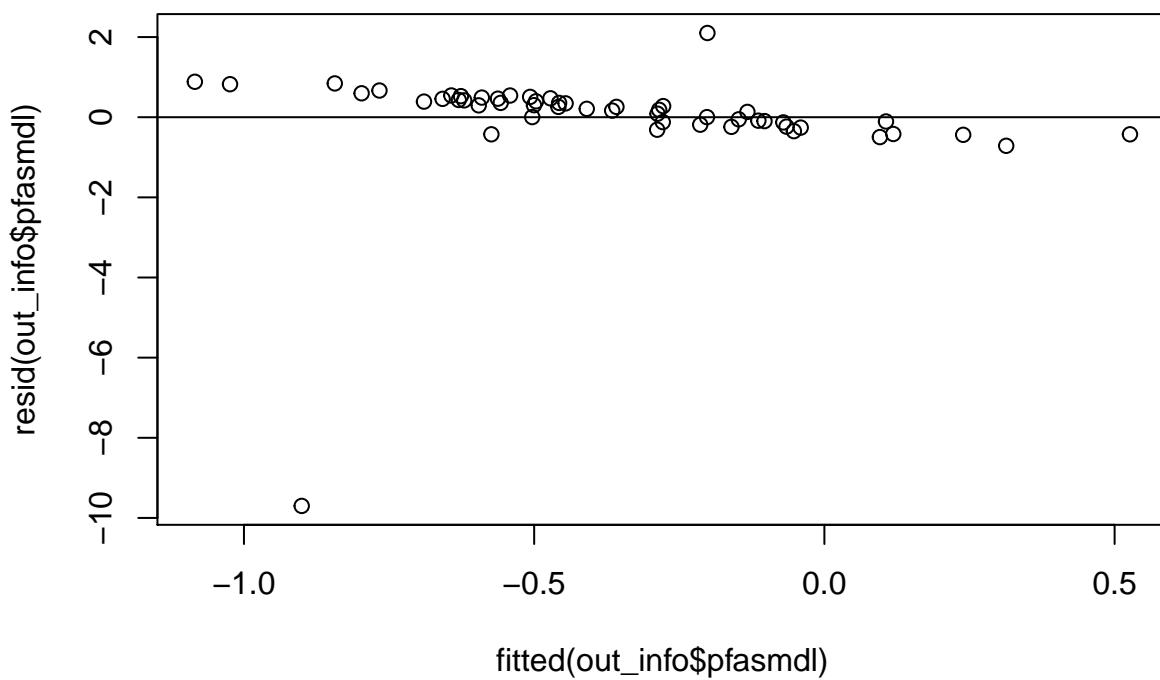
**Normal Q-Q Plot**



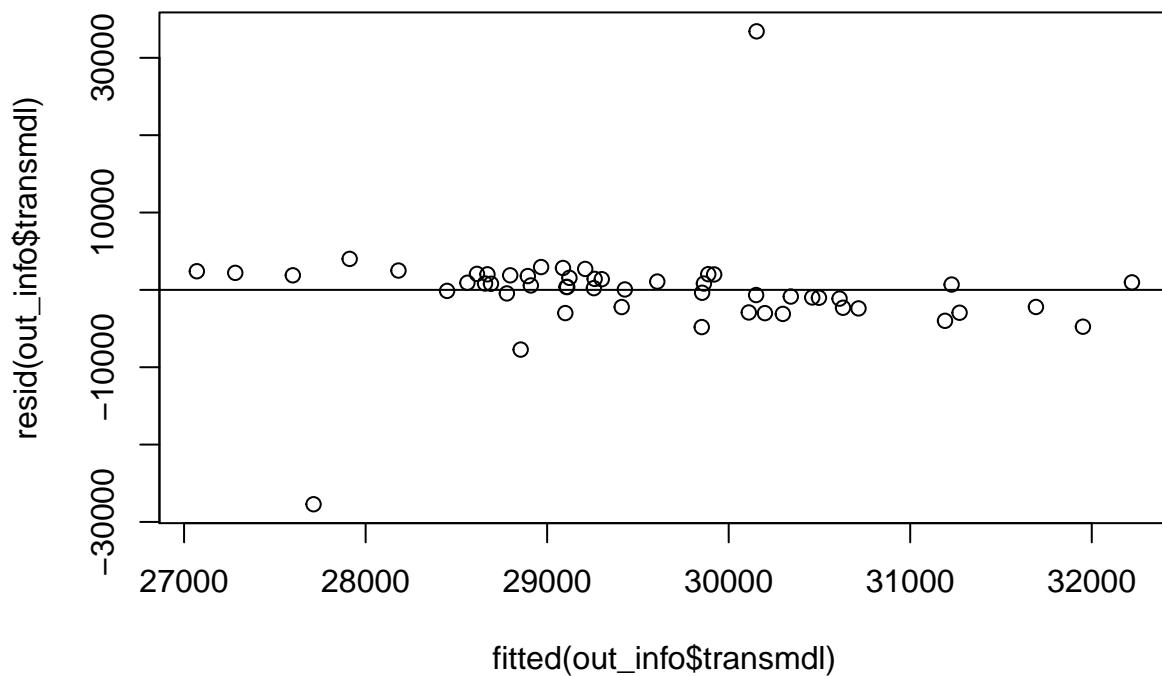
### Normal Q-Q Plot



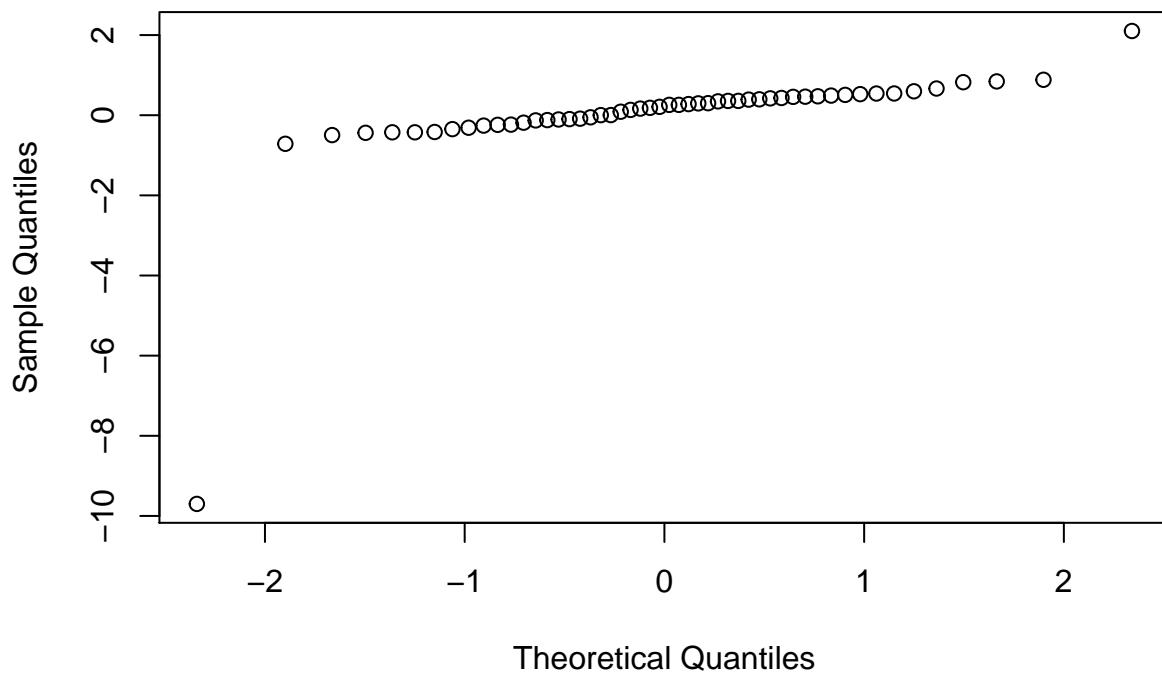
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



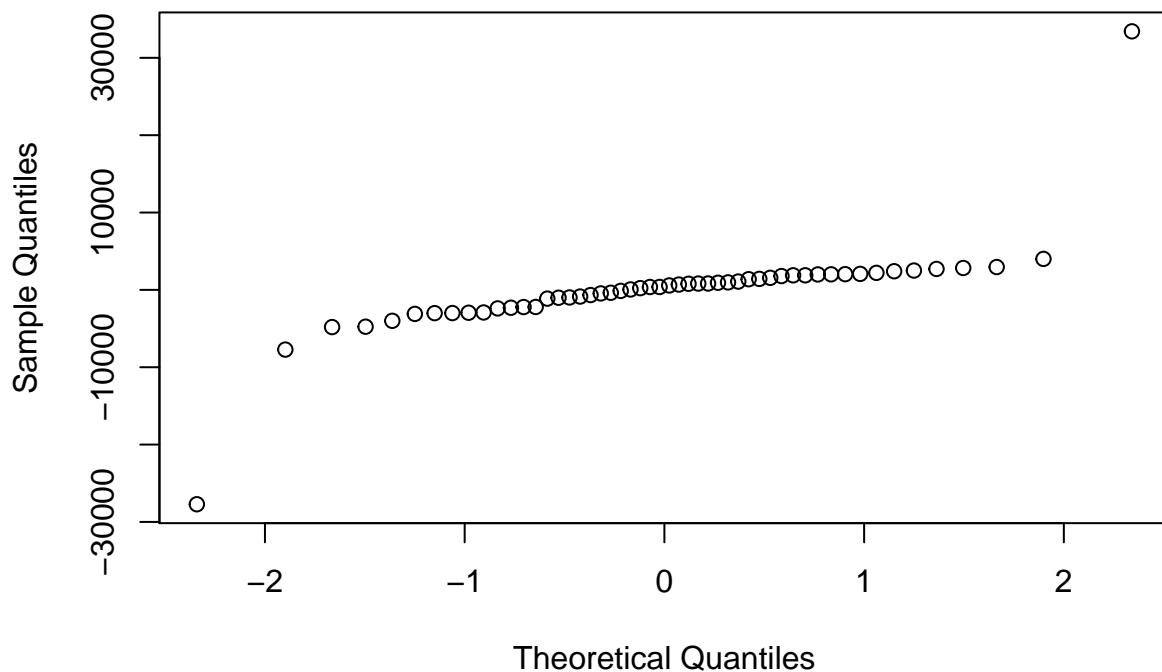
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



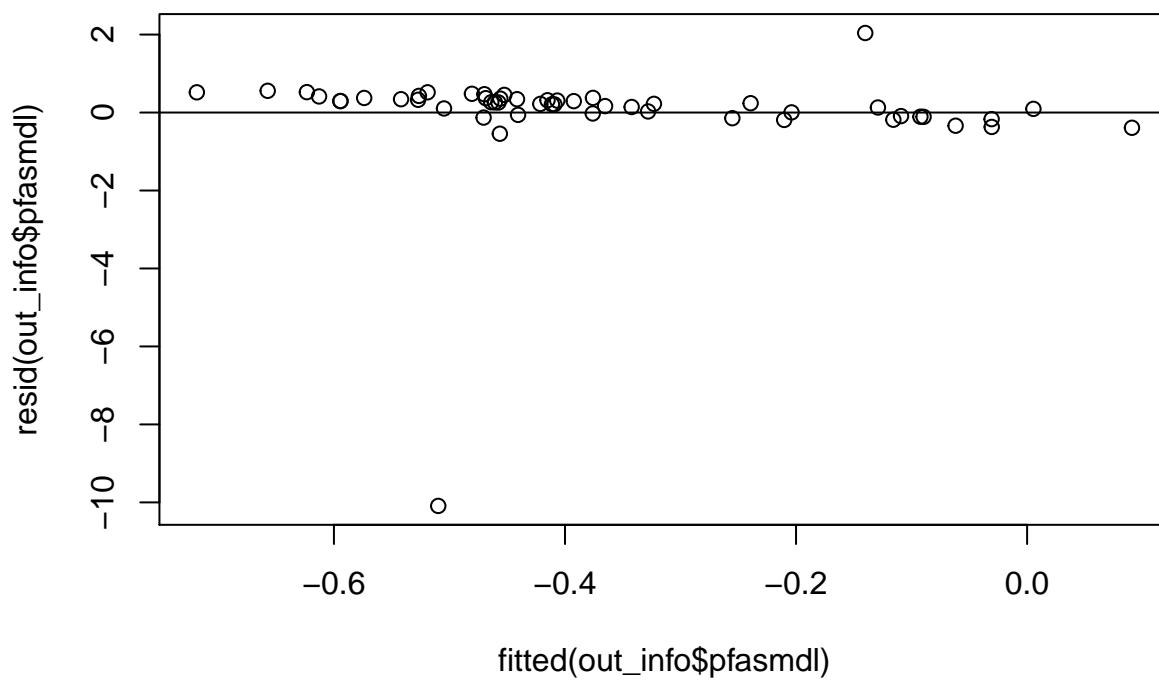
**Normal Q-Q Plot**



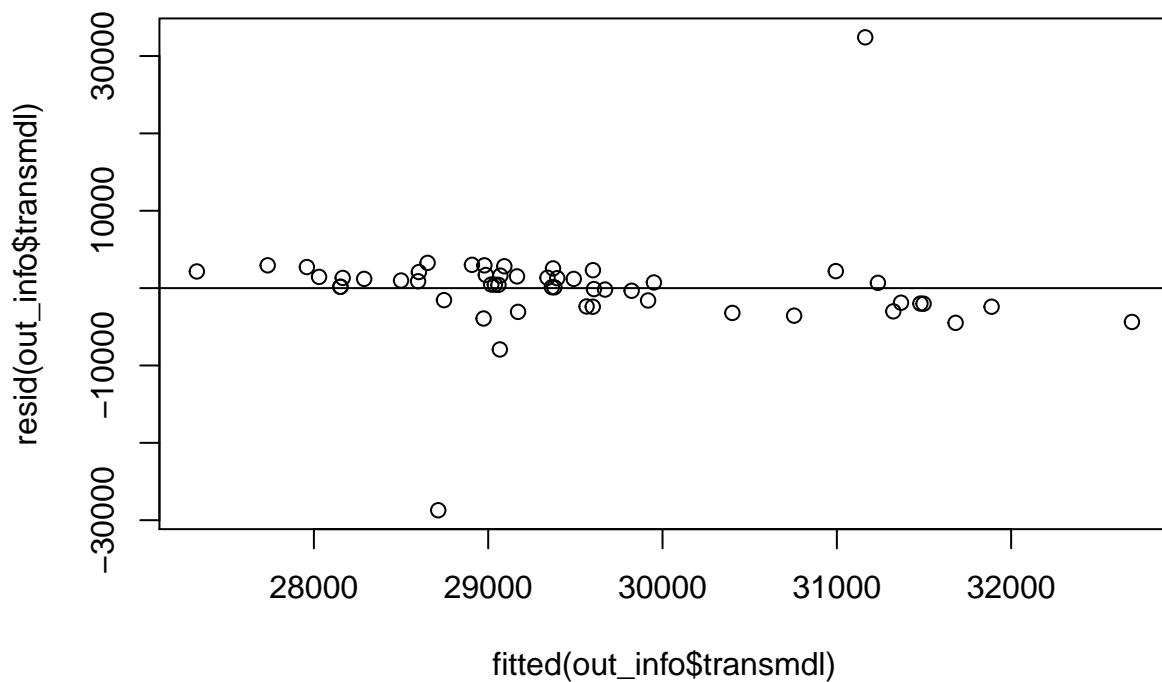
### Normal Q-Q Plot



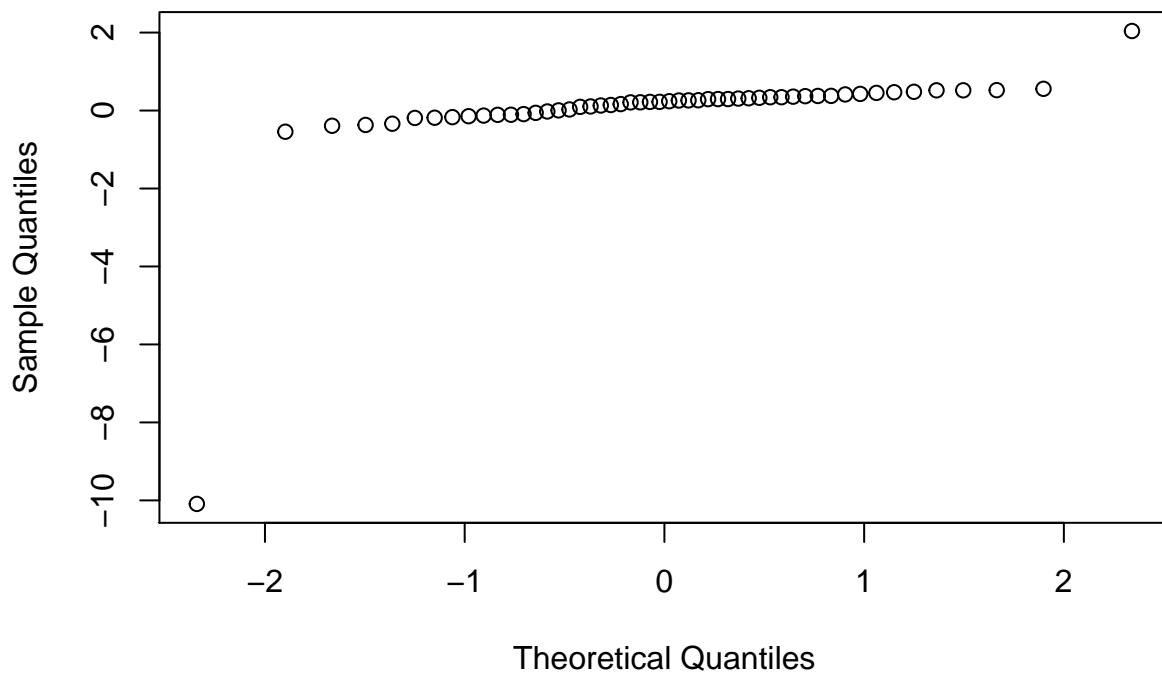
Plot of PFNAorig+  
Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity



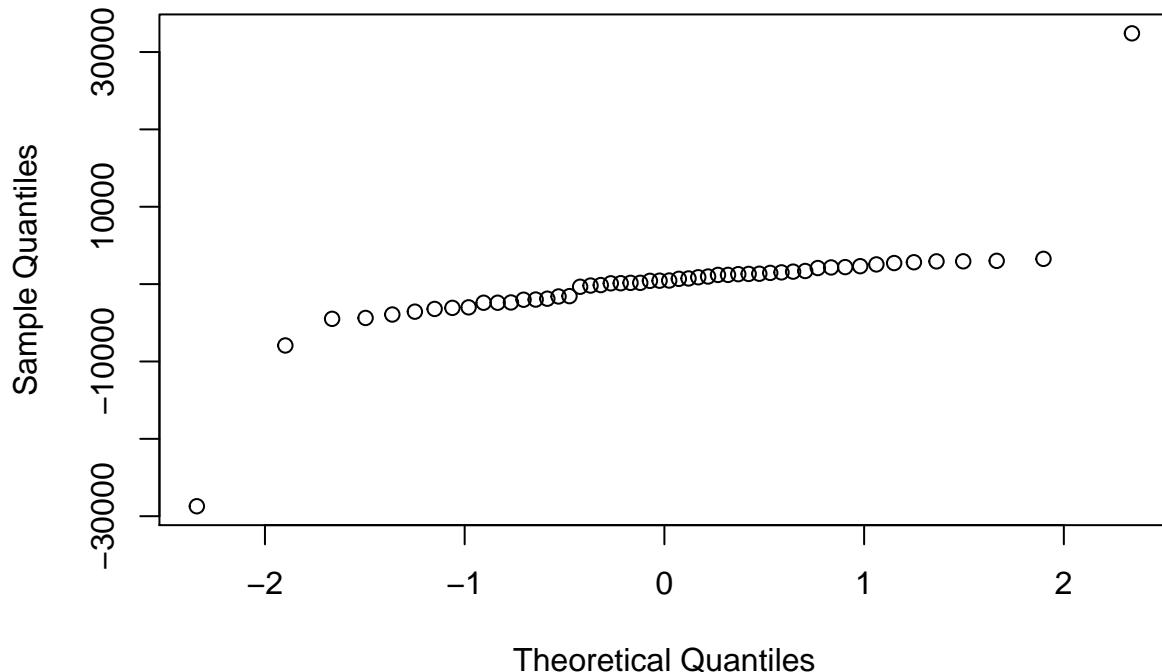
**Plot of PFNAtrans+  
Plot of PFNAtransstr.duration.hrs  
Plot of PFNAtransEthnicity**



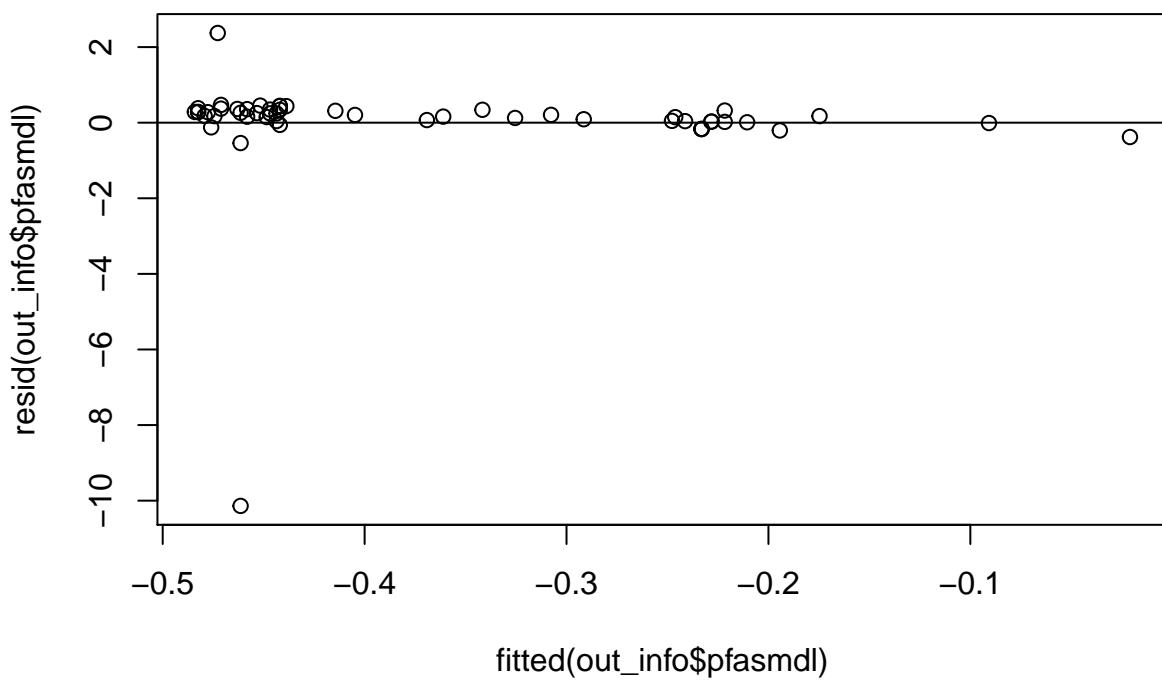
**Normal Q-Q Plot**



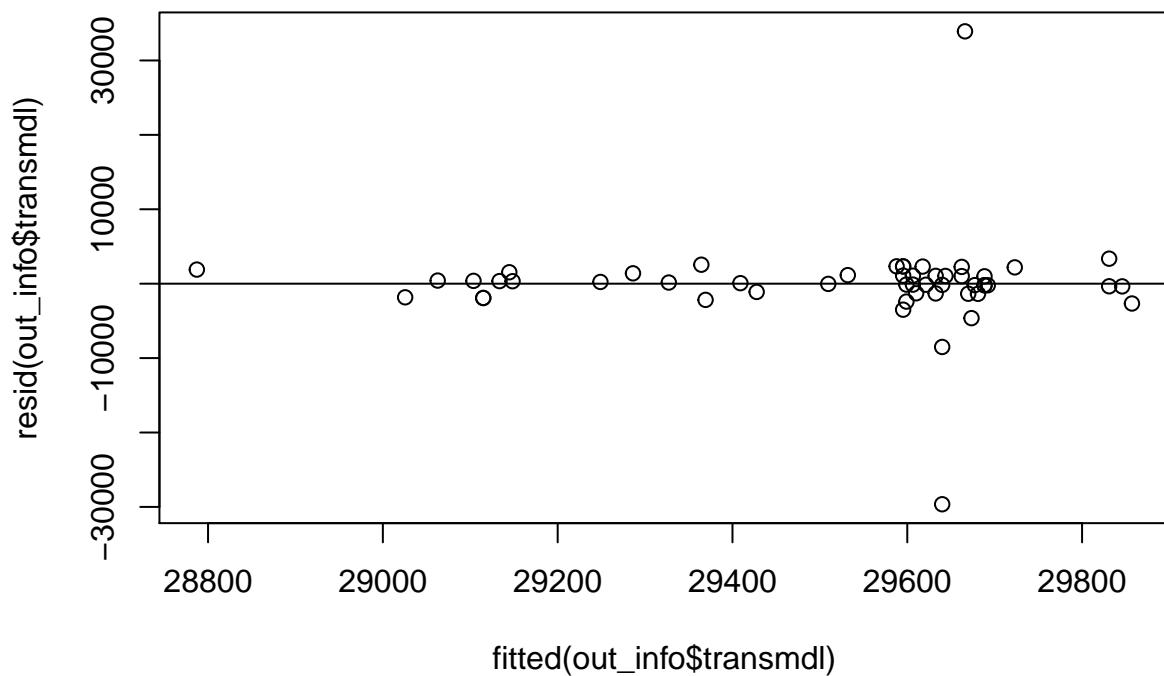
### Normal Q-Q Plot



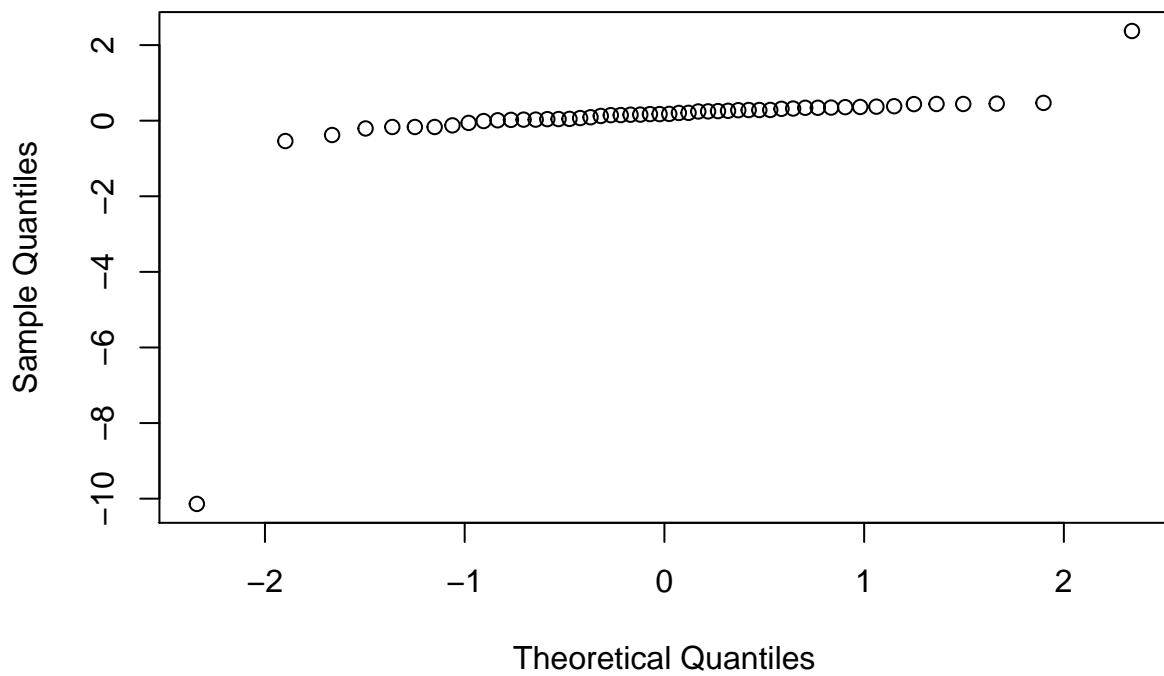
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.MRF  
Plot of PFNAorigEthnicity**



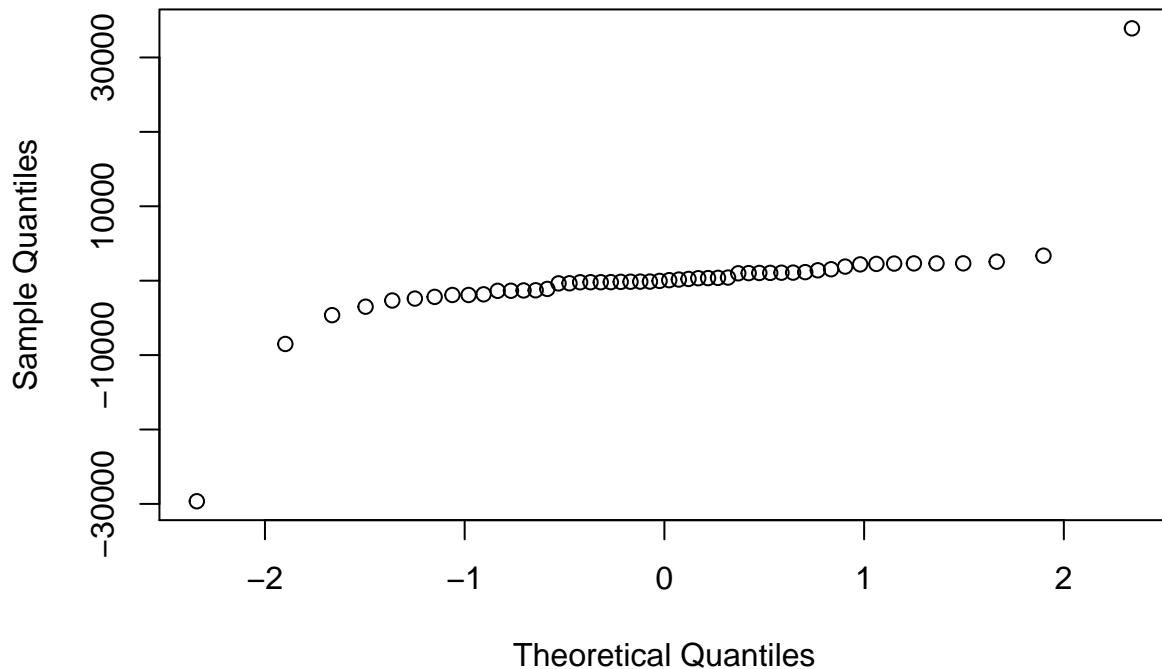
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



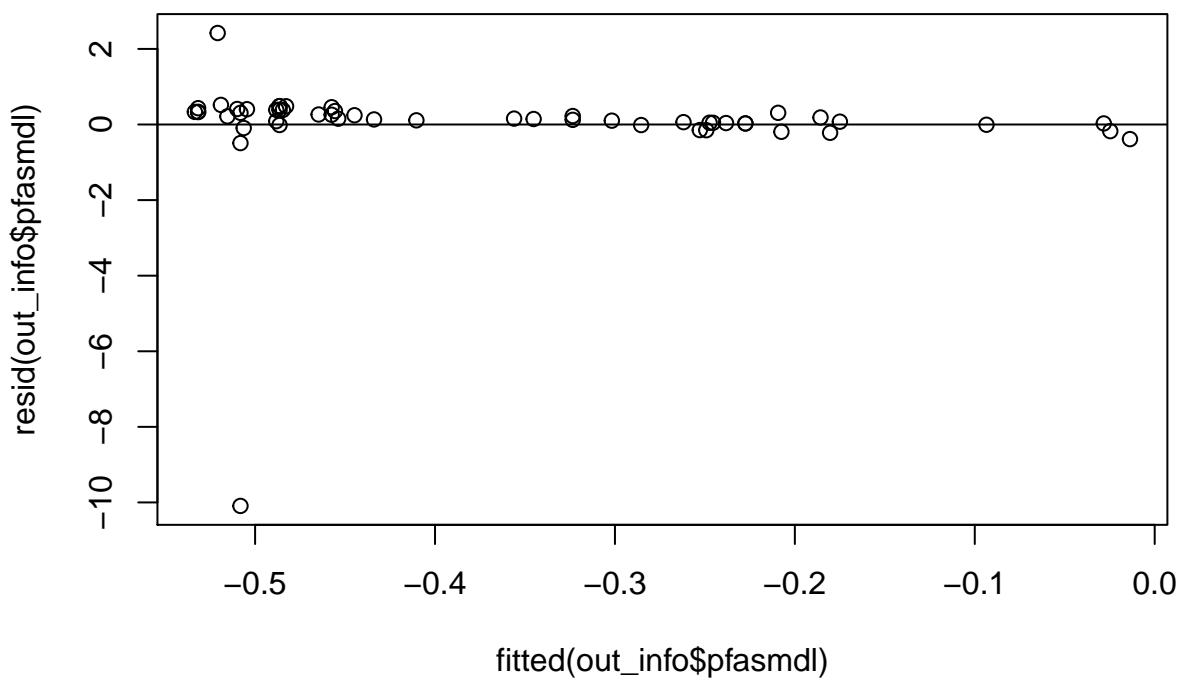
**Normal Q-Q Plot**



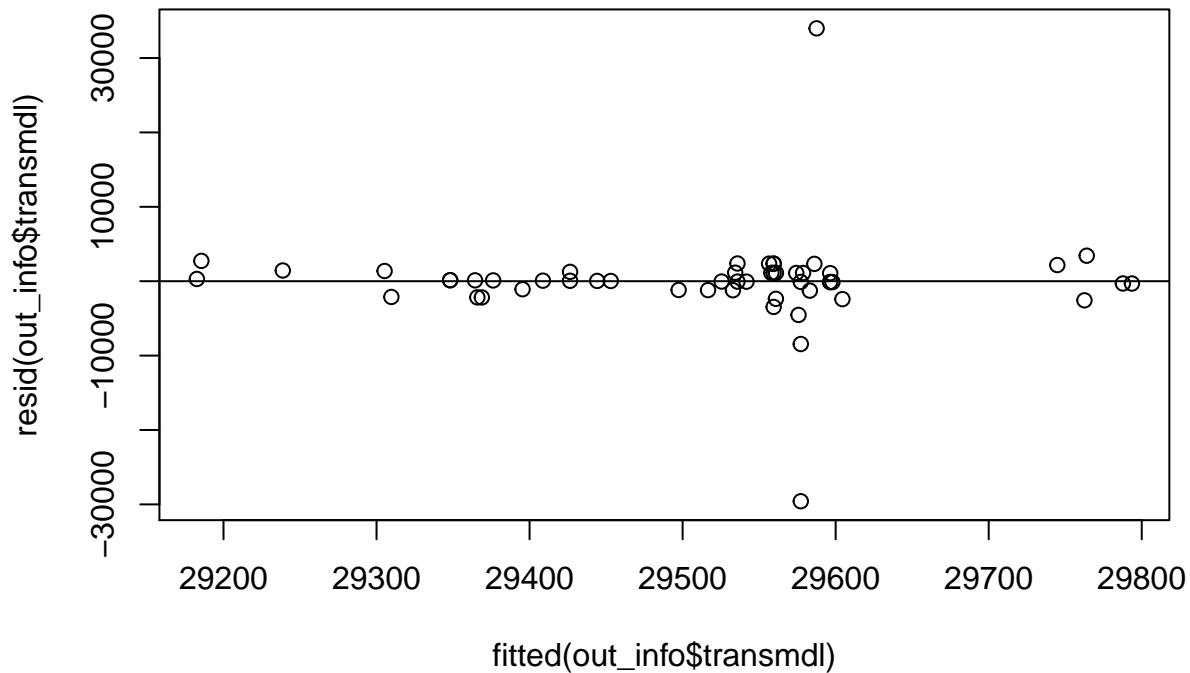
### Normal Q-Q Plot



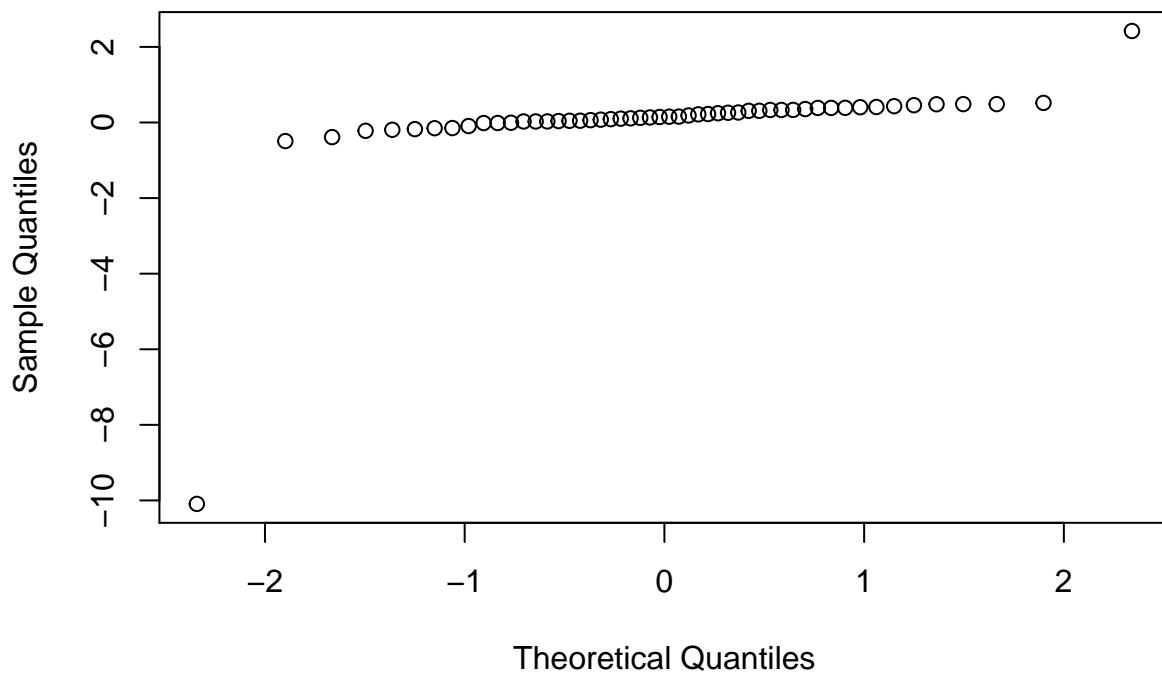
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.struc.MRF  
Plot of PFNAorigEthnicity**



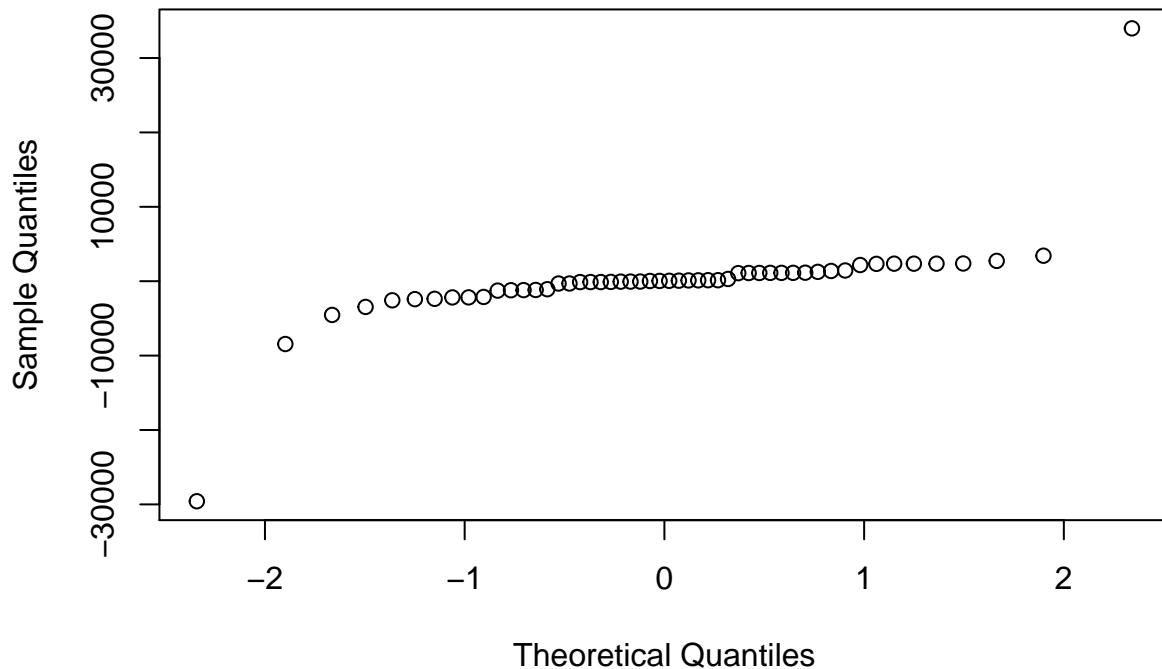
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.struc.MRF  
Plot of PFNAtransEthnicity**



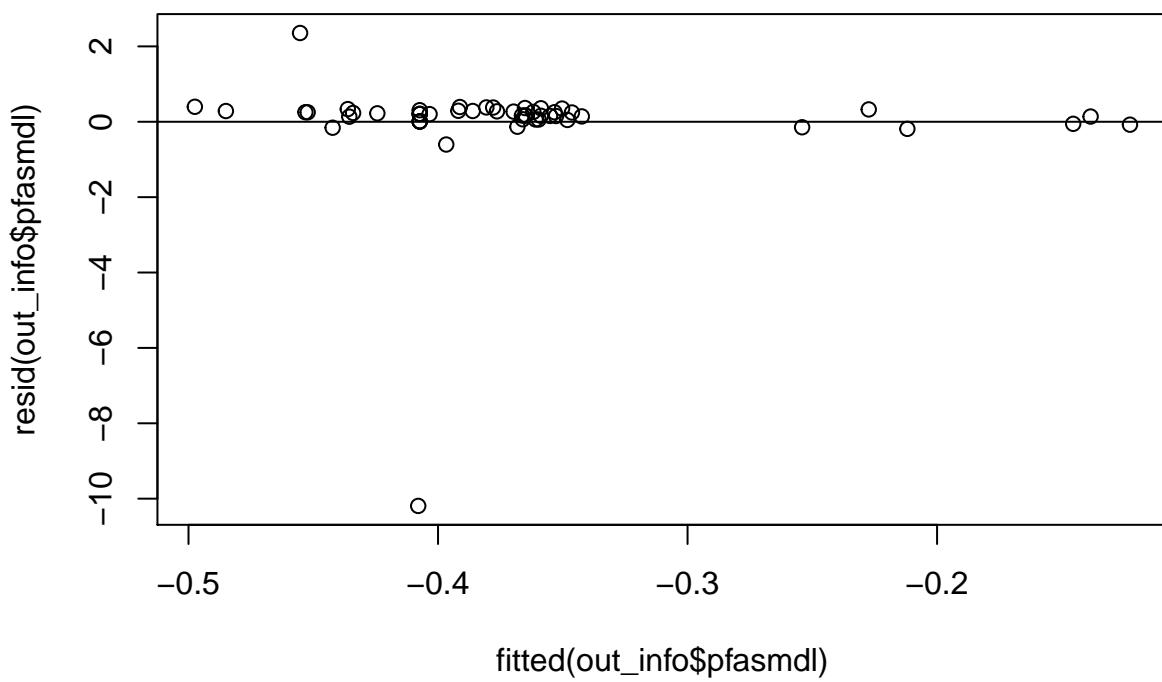
**Normal Q-Q Plot**



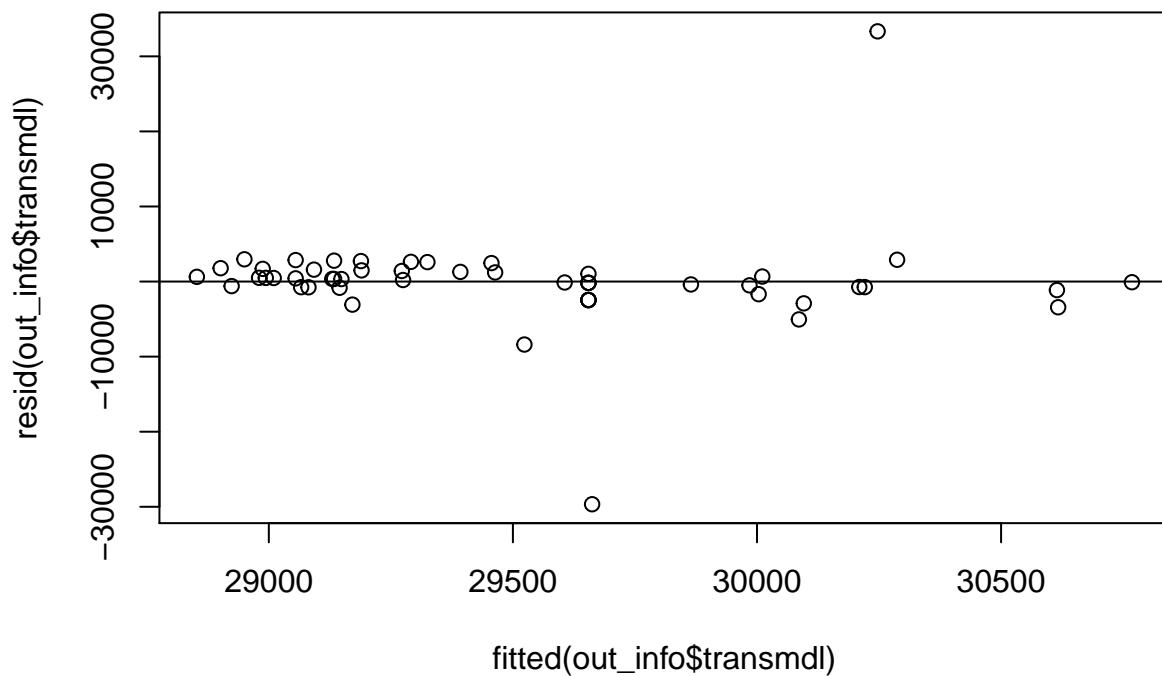
### Normal Q-Q Plot



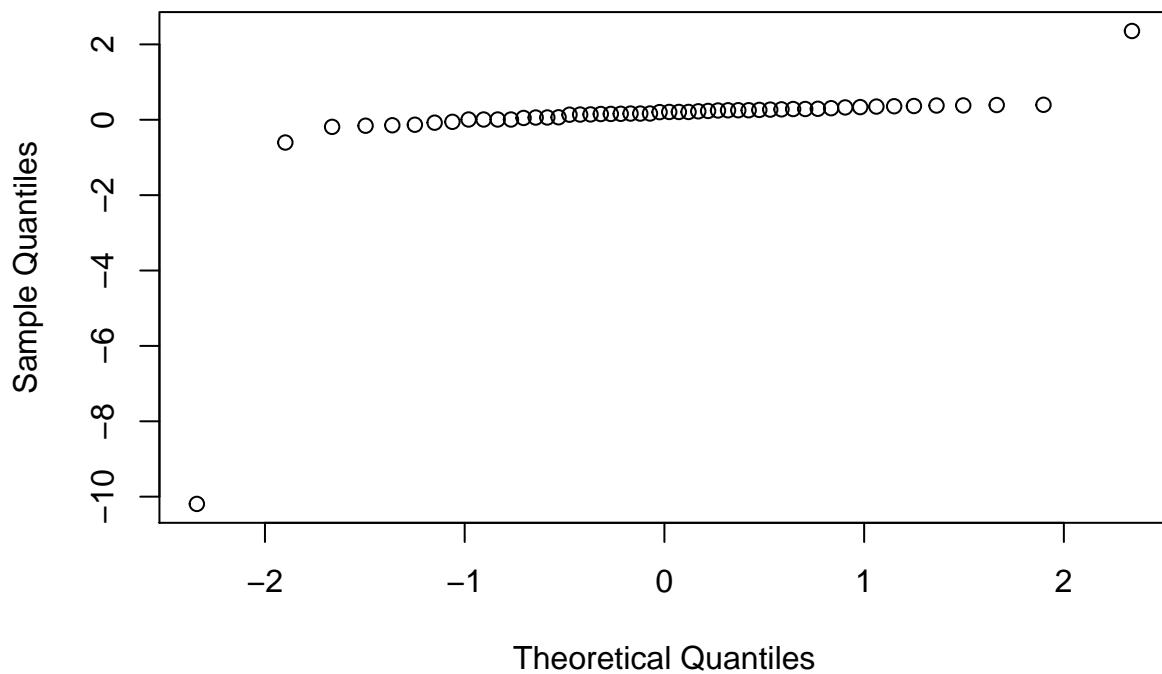
Plot of PFNAorig+  
Plot of PFNAorigtime.since.baseline  
Plot of PFNAorigEthnicity



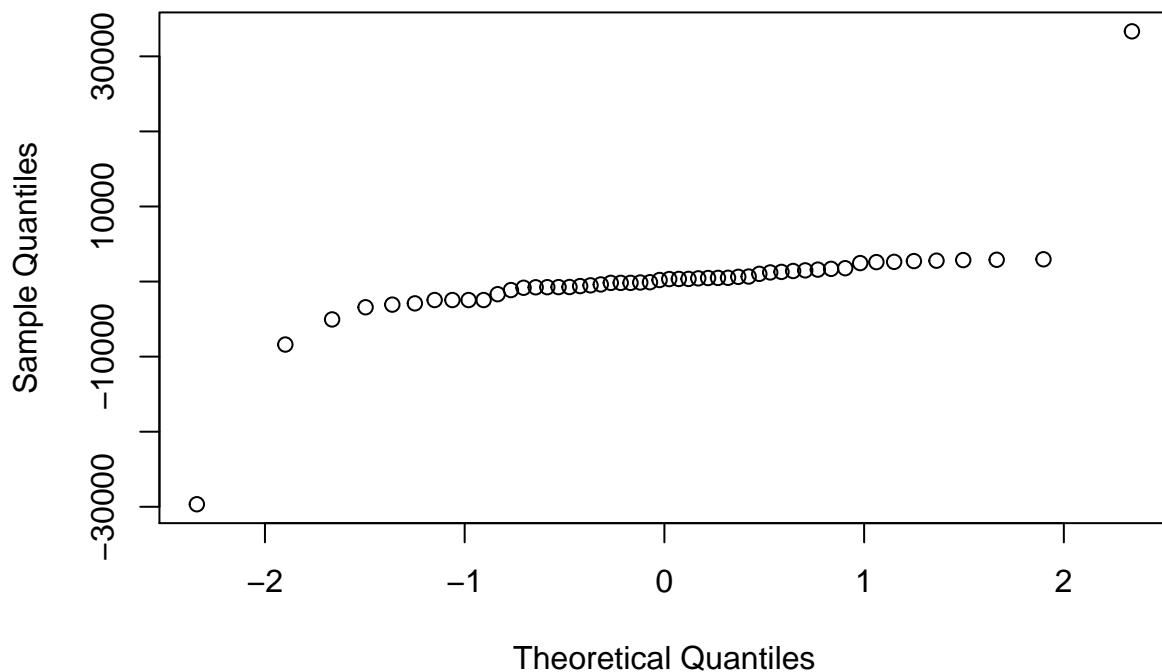
**Plot of PFNAtrans+  
Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



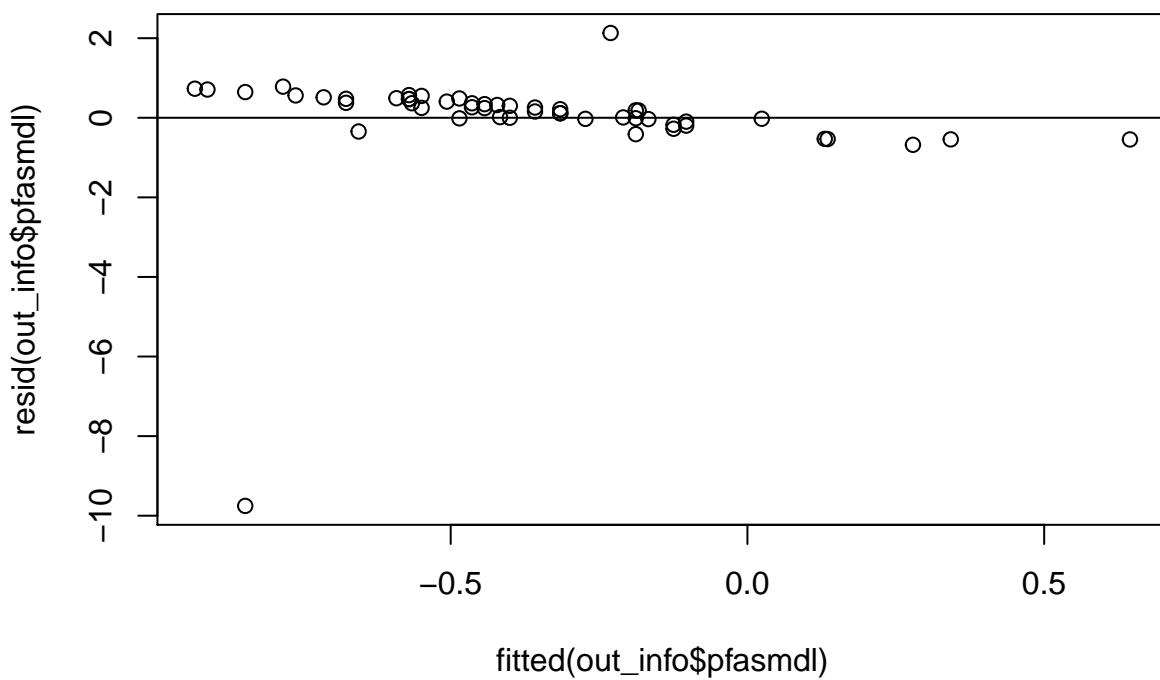
**Normal Q-Q Plot**



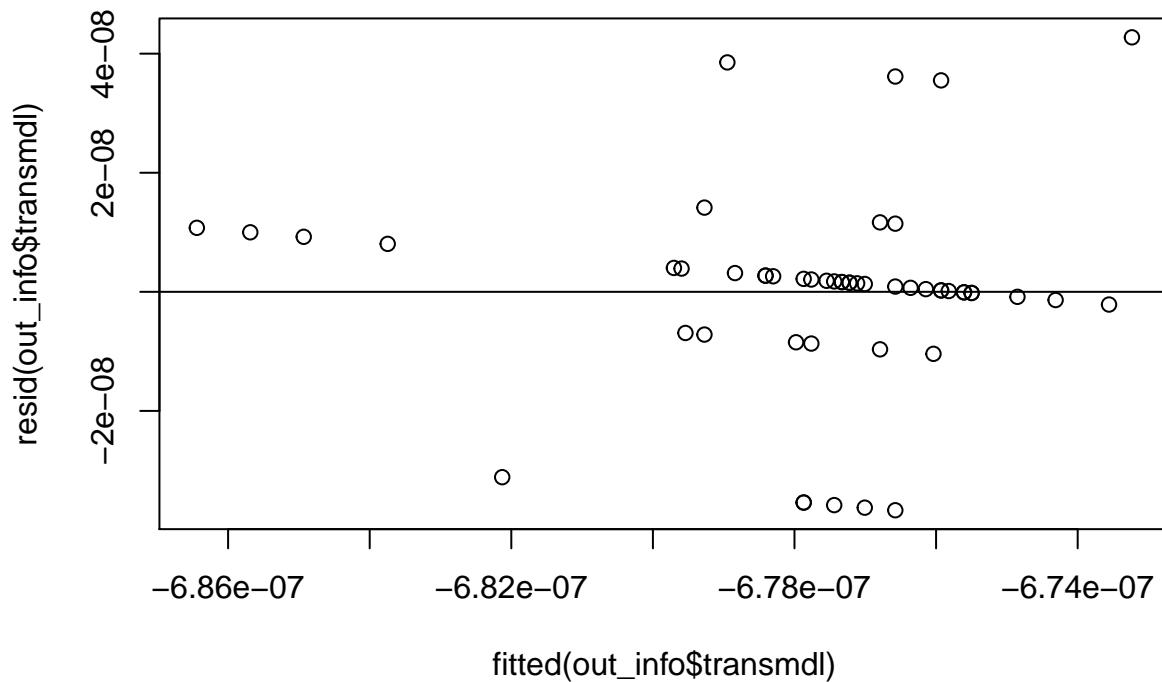
### Normal Q-Q Plot



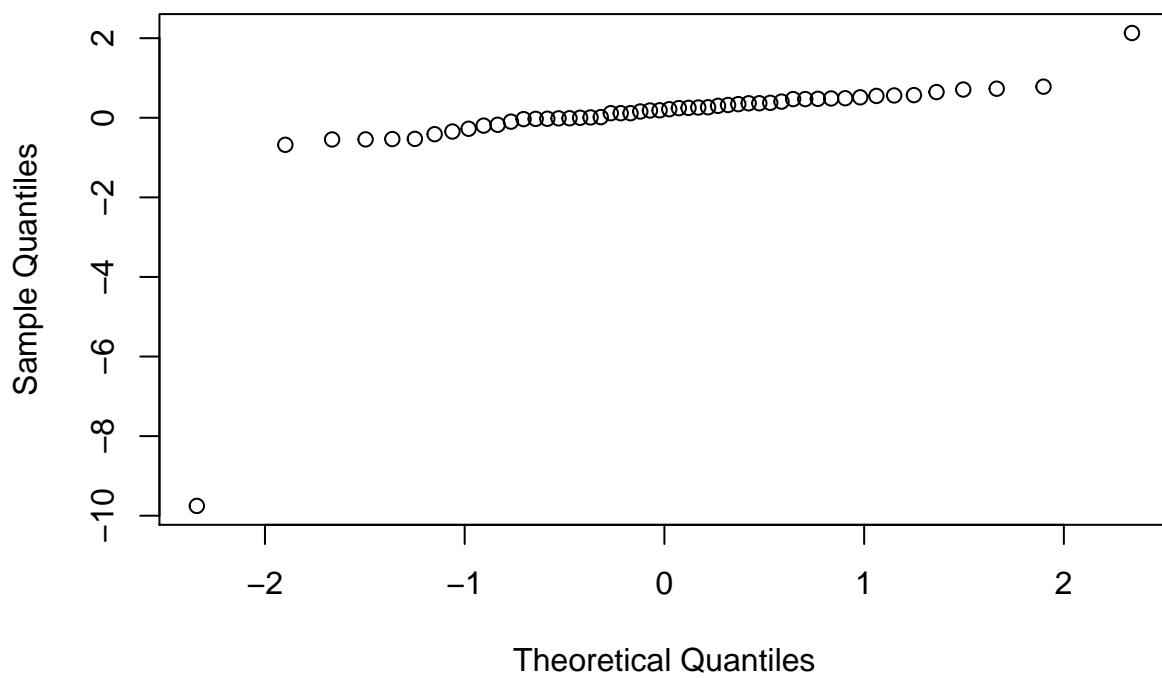
**Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity**



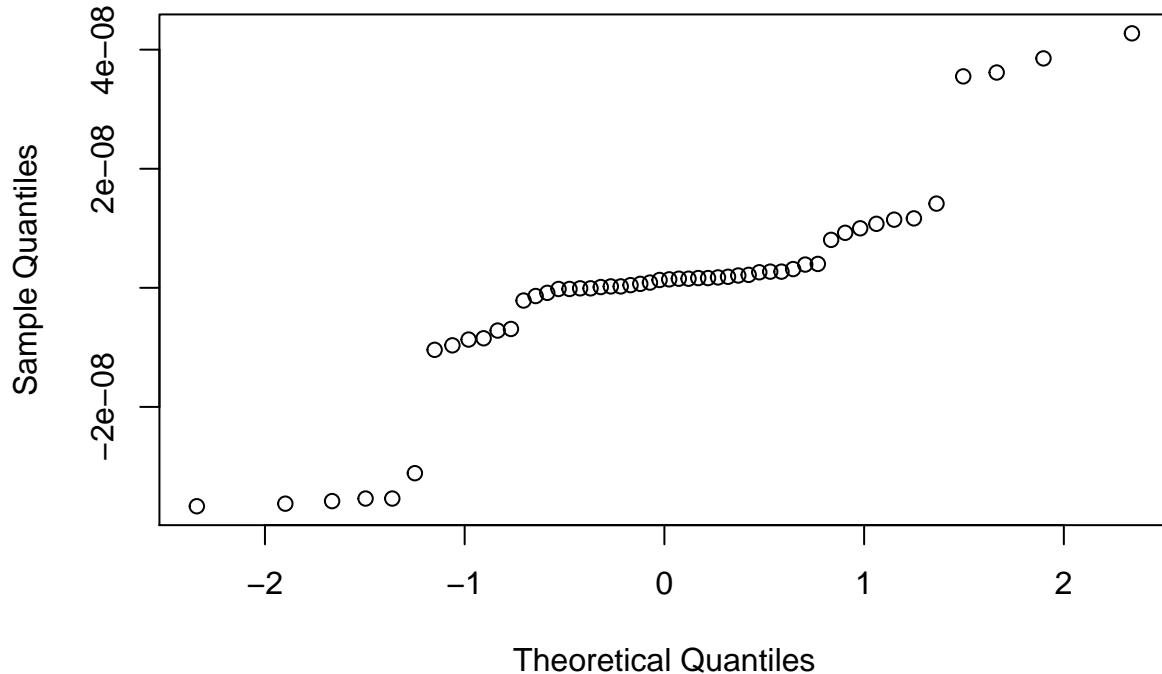
**Plot of PFUATrans+  
Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**



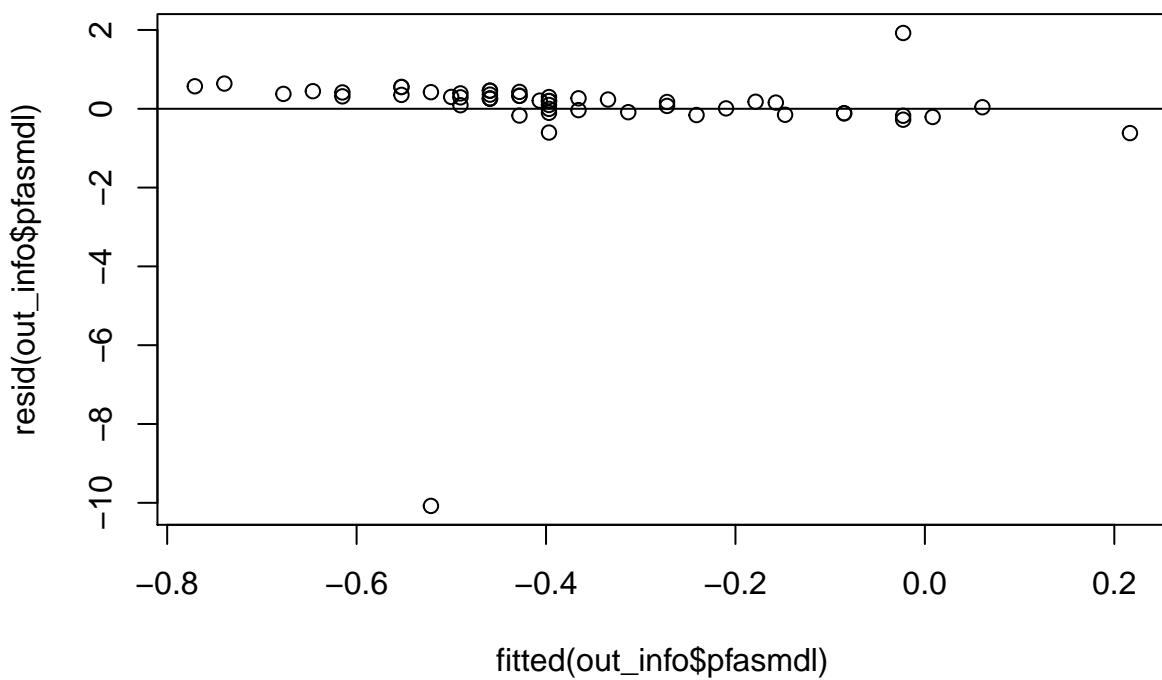
**Normal Q-Q Plot**



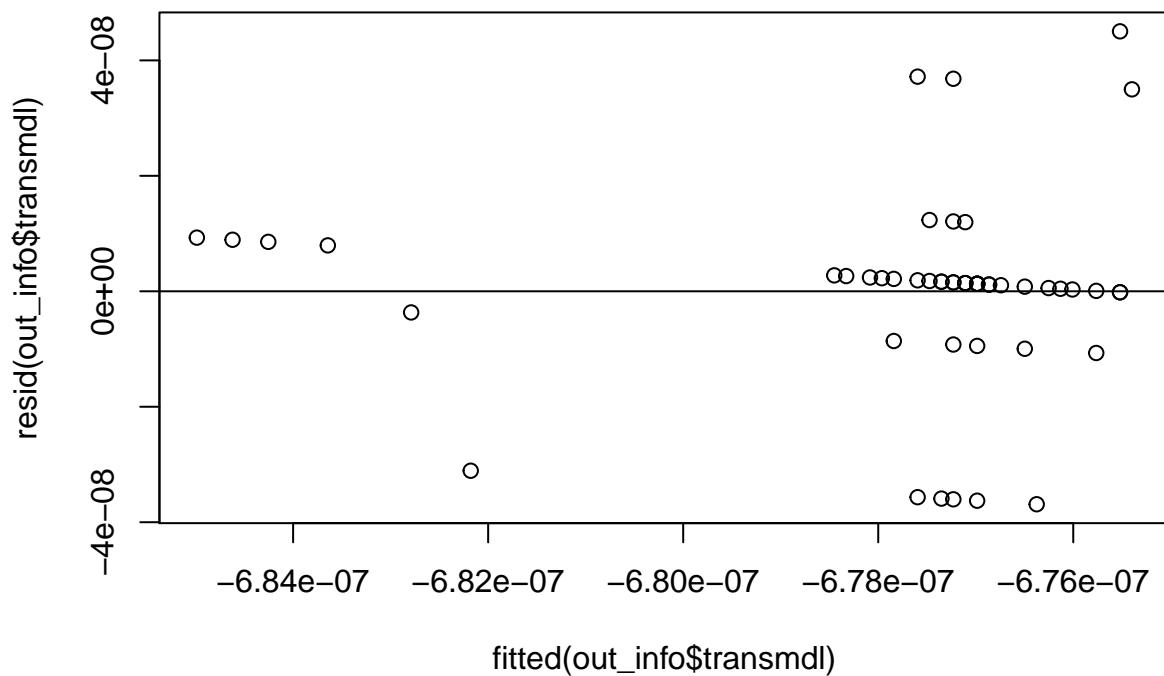
### Normal Q-Q Plot



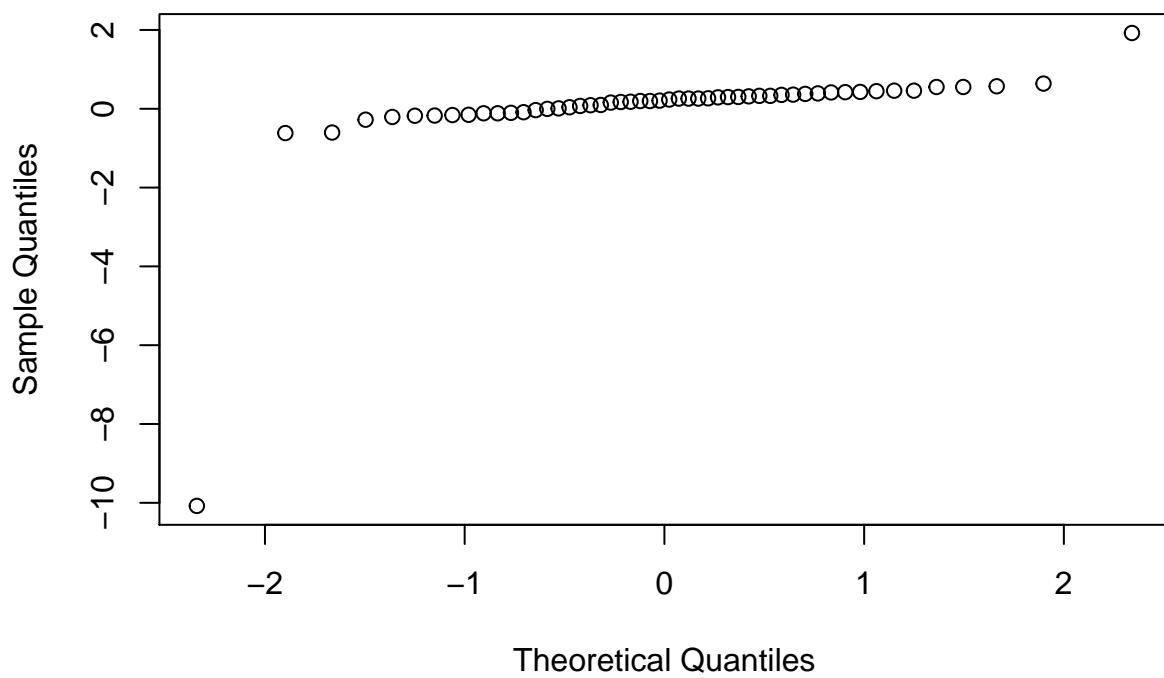
Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity



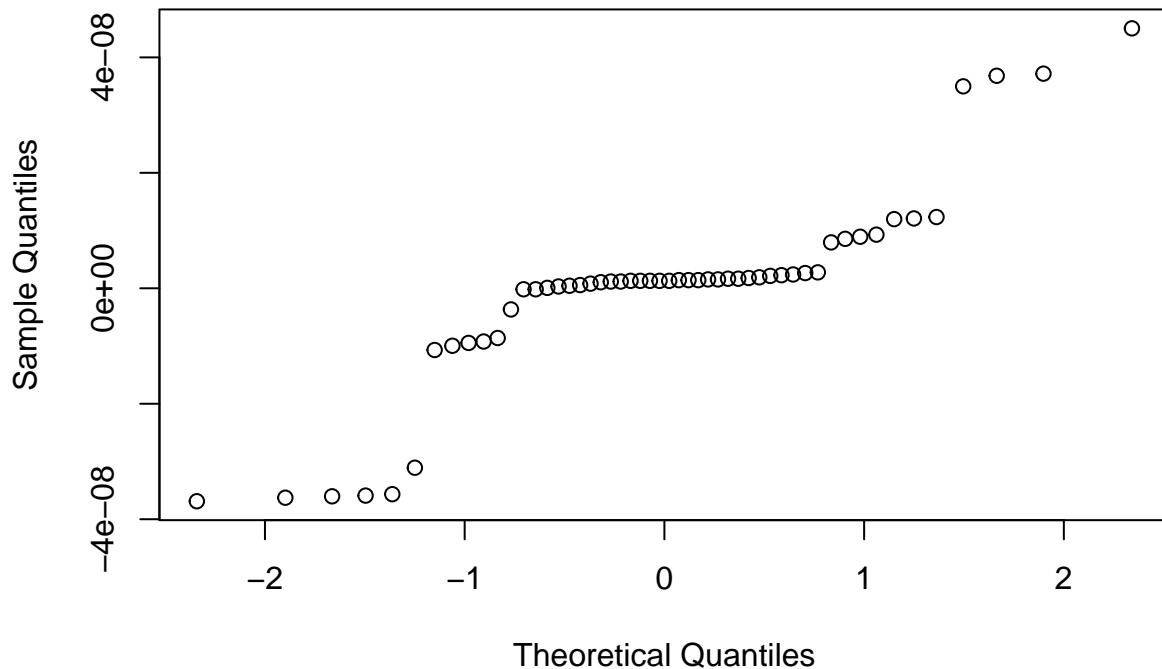
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



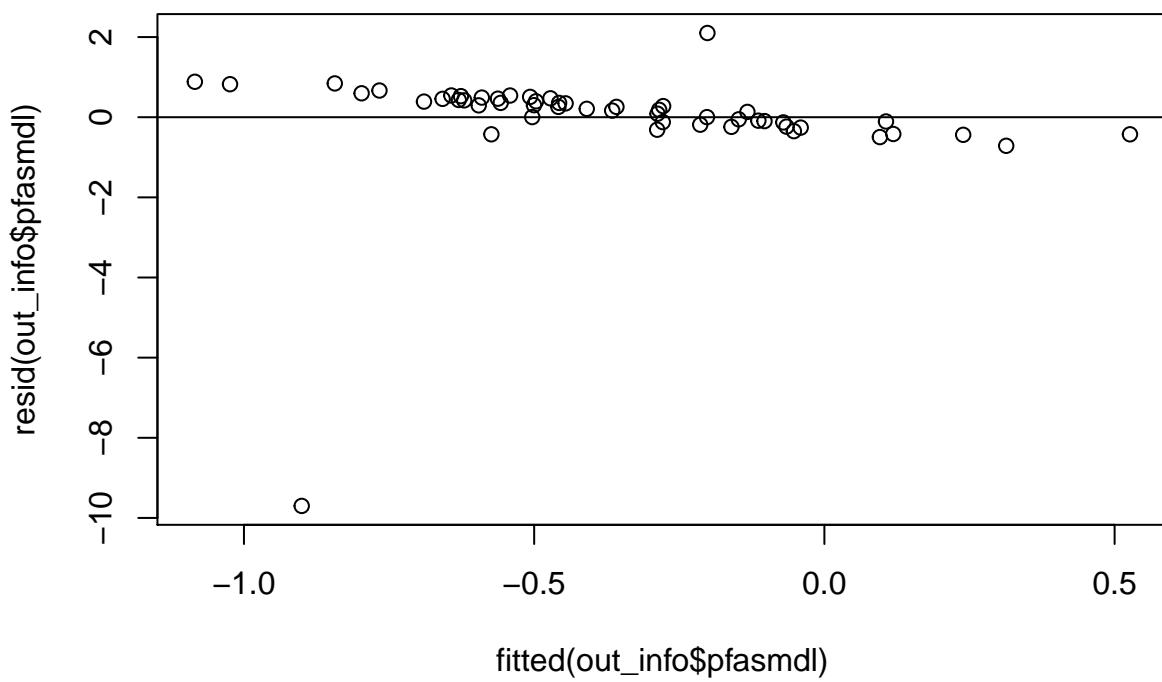
**Normal Q-Q Plot**



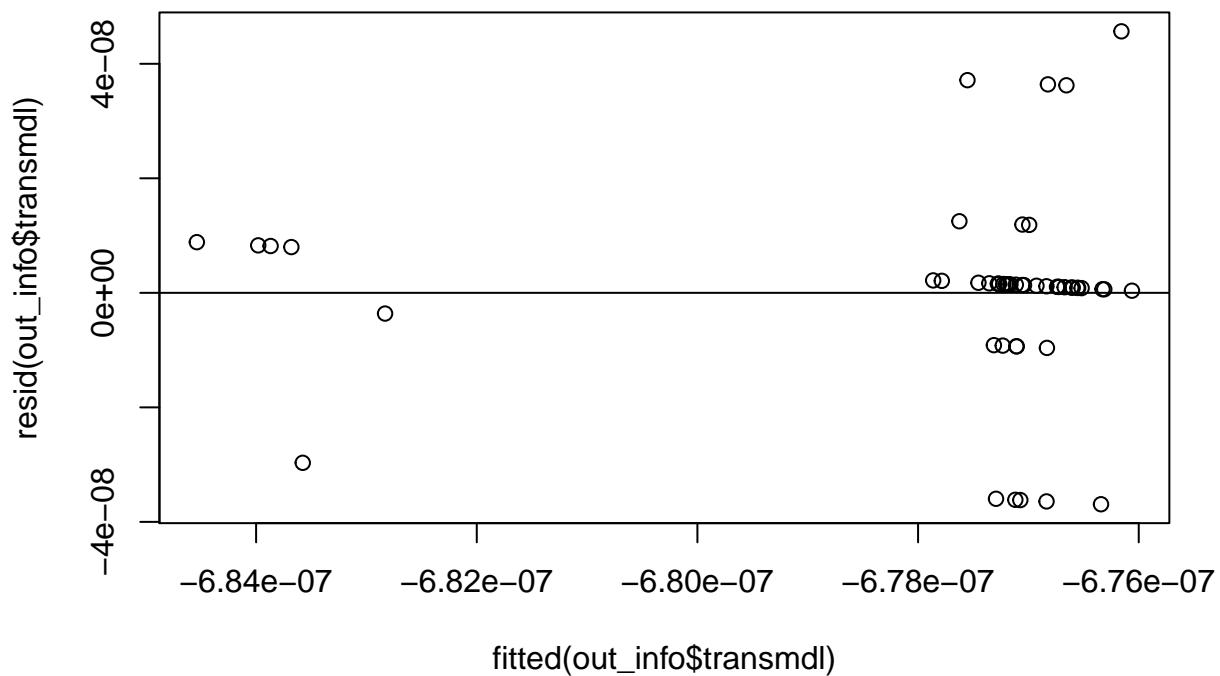
### Normal Q-Q Plot



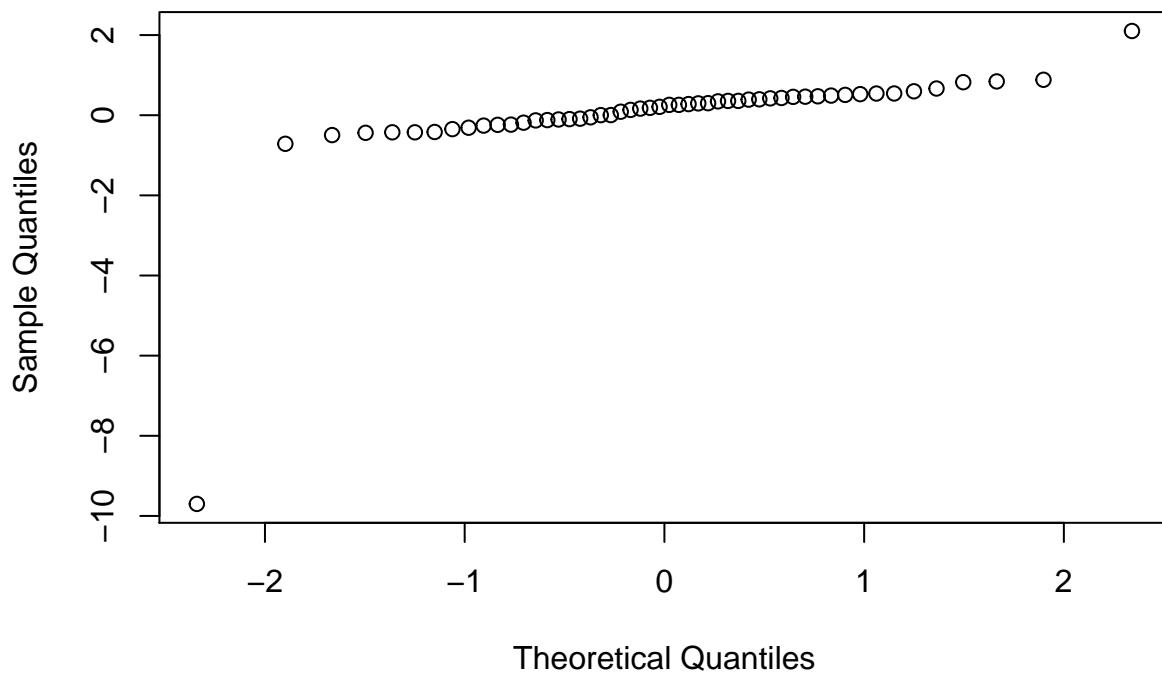
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



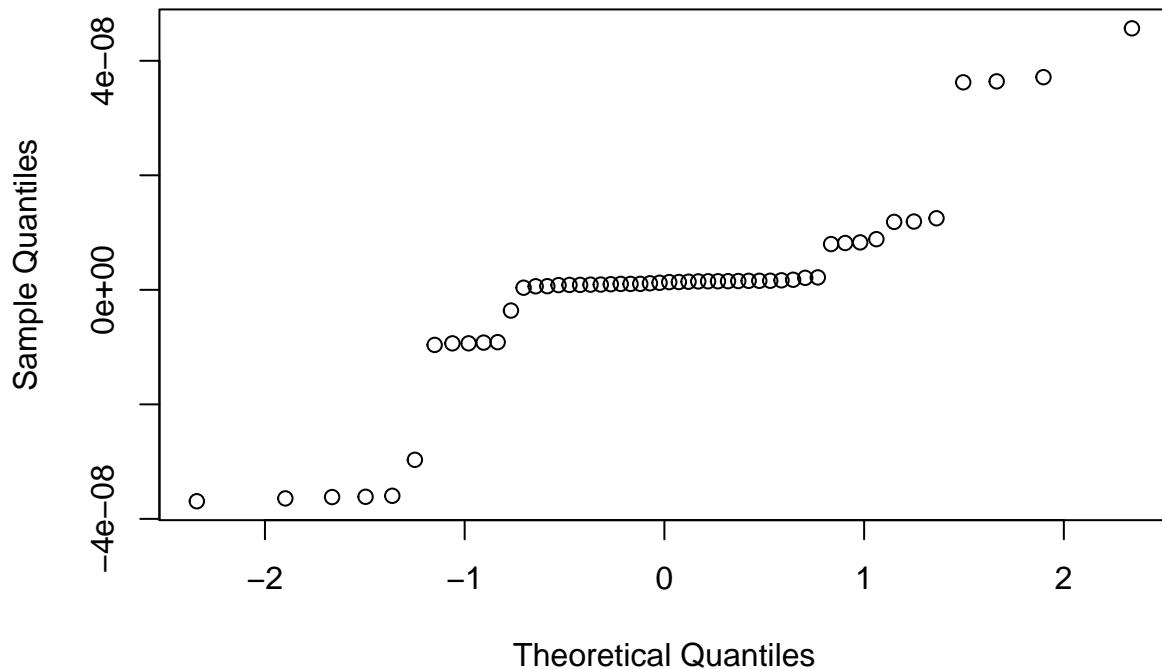
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



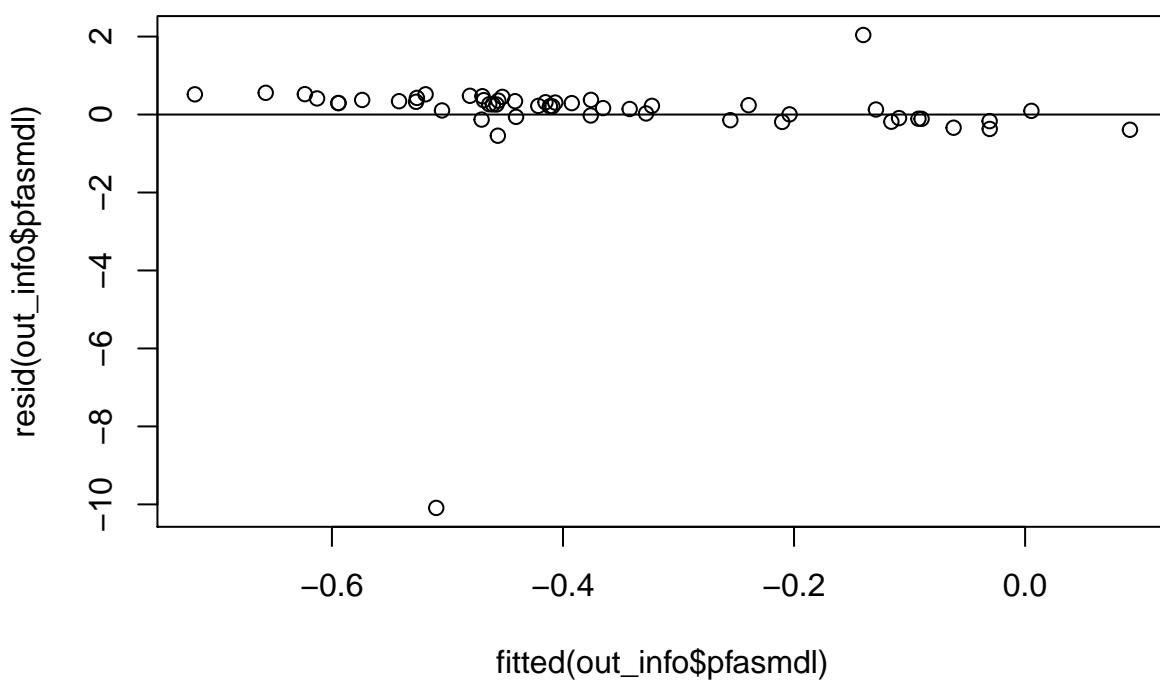
**Normal Q-Q Plot**



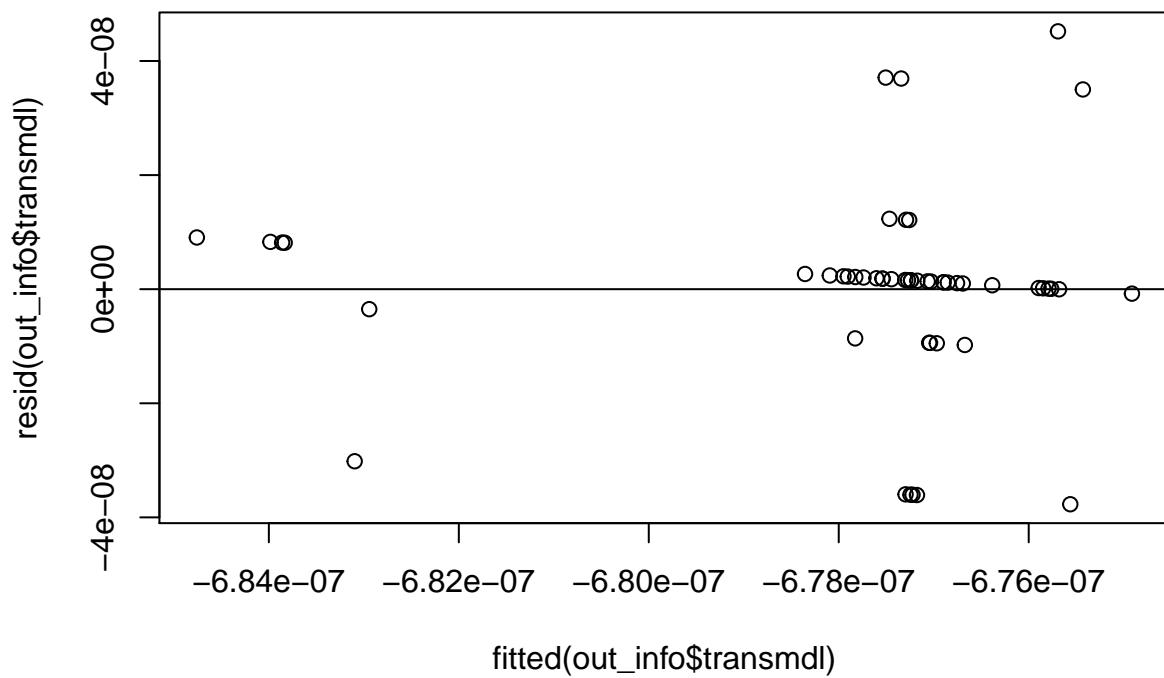
### Normal Q-Q Plot



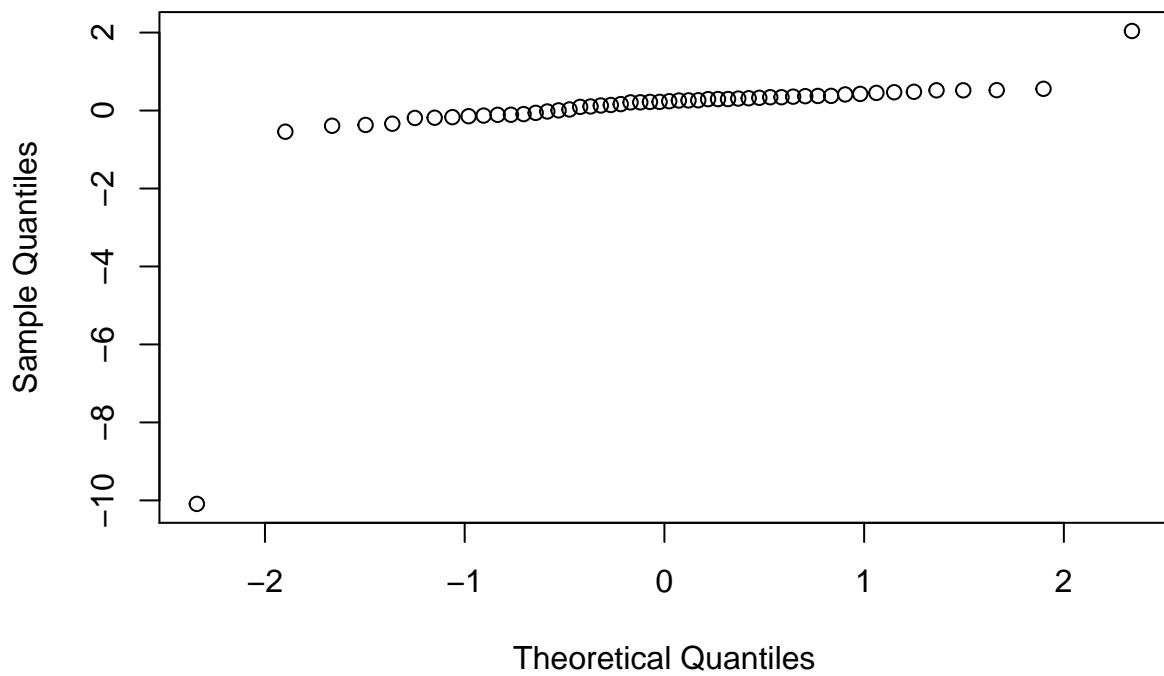
**Plot of PFNAorig+  
Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity**



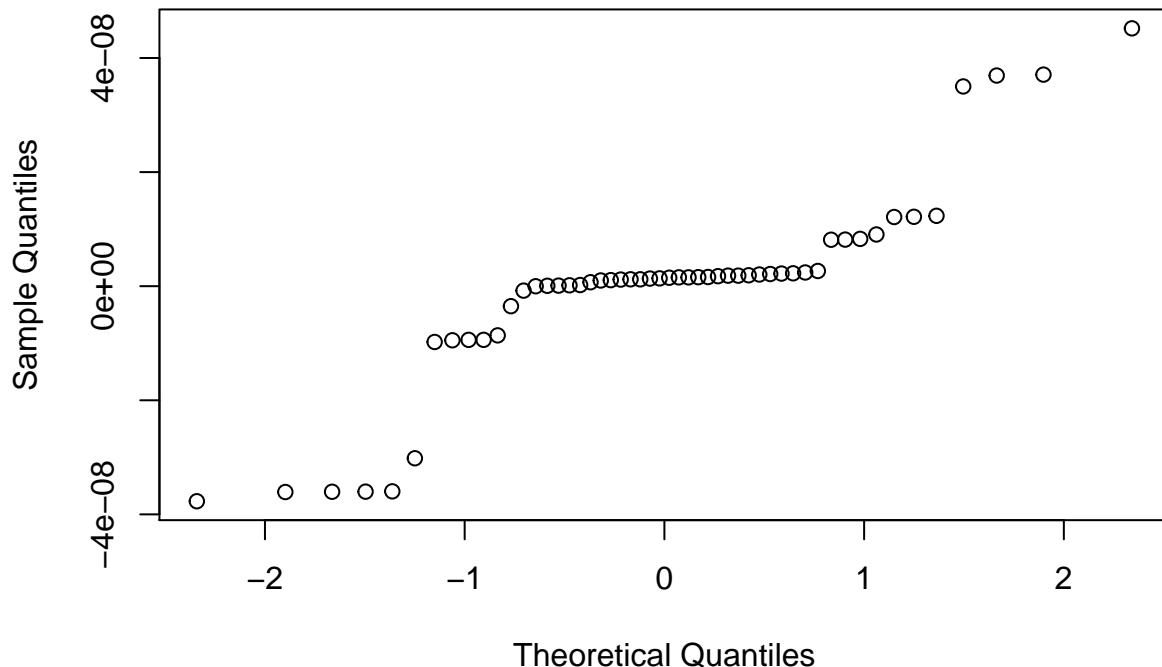
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Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



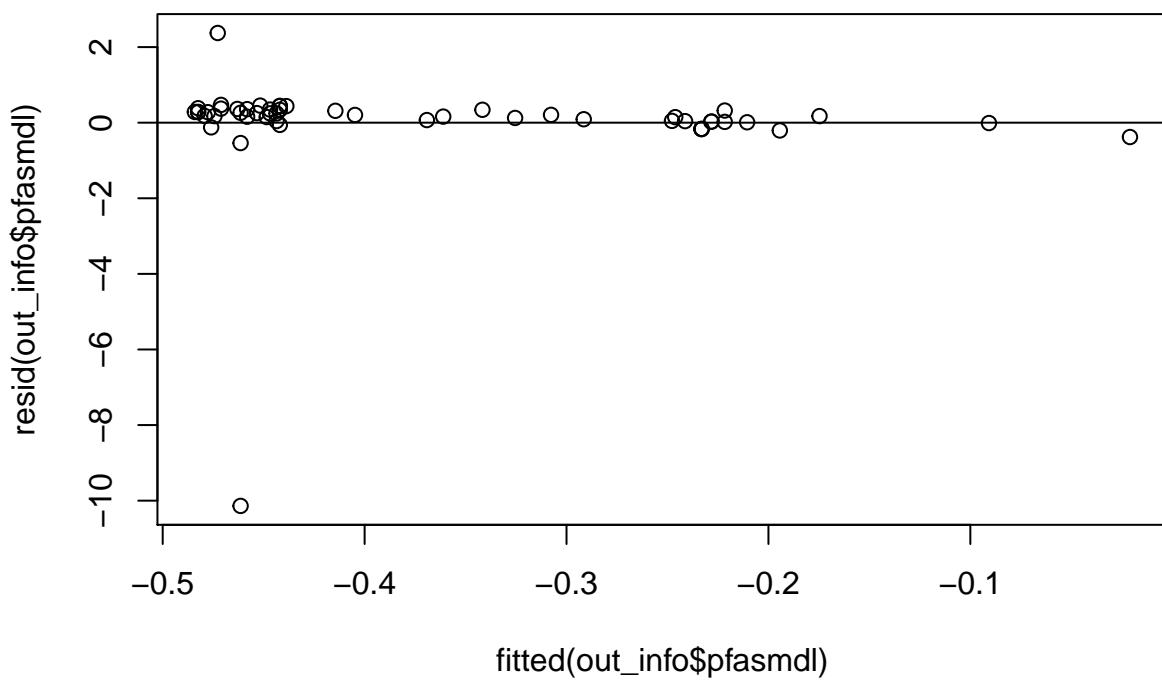
**Normal Q-Q Plot**



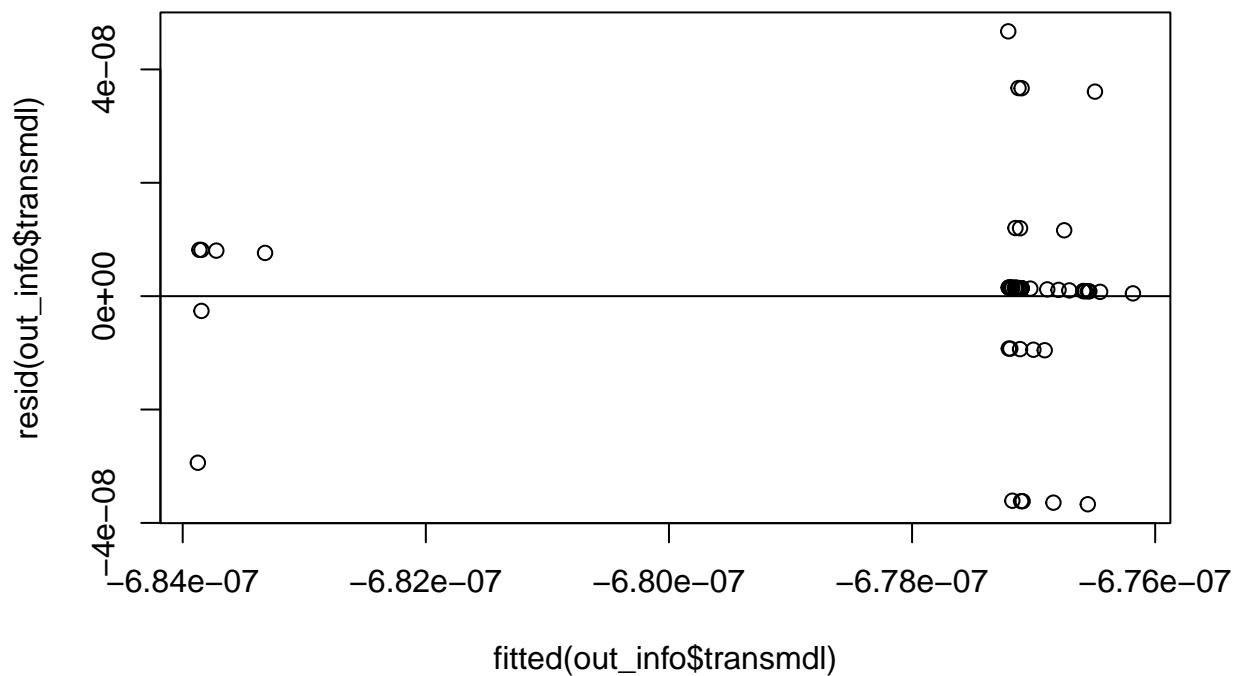
### Normal Q-Q Plot



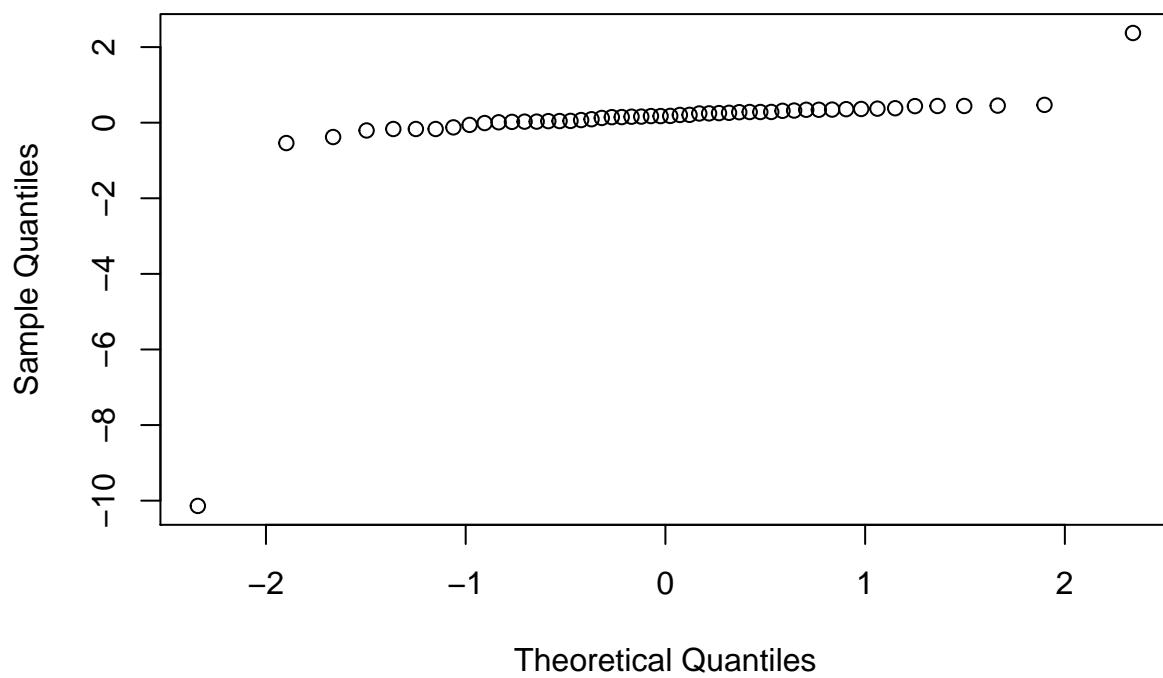
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.MRF  
Plot of PFNAorigEthnicity**



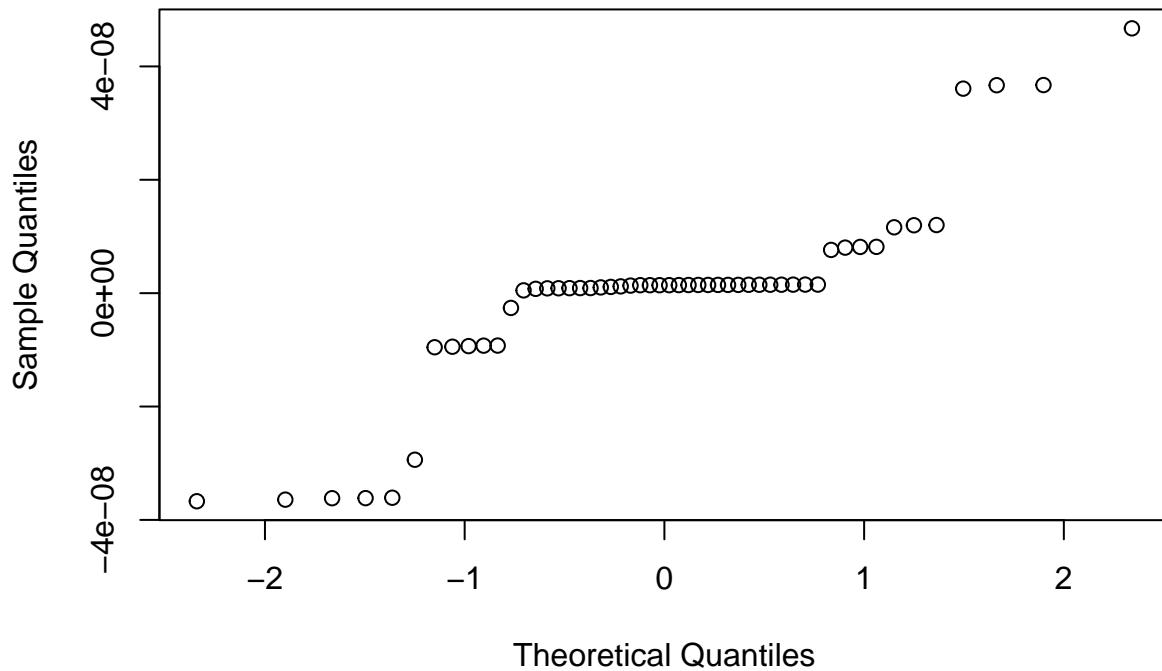
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



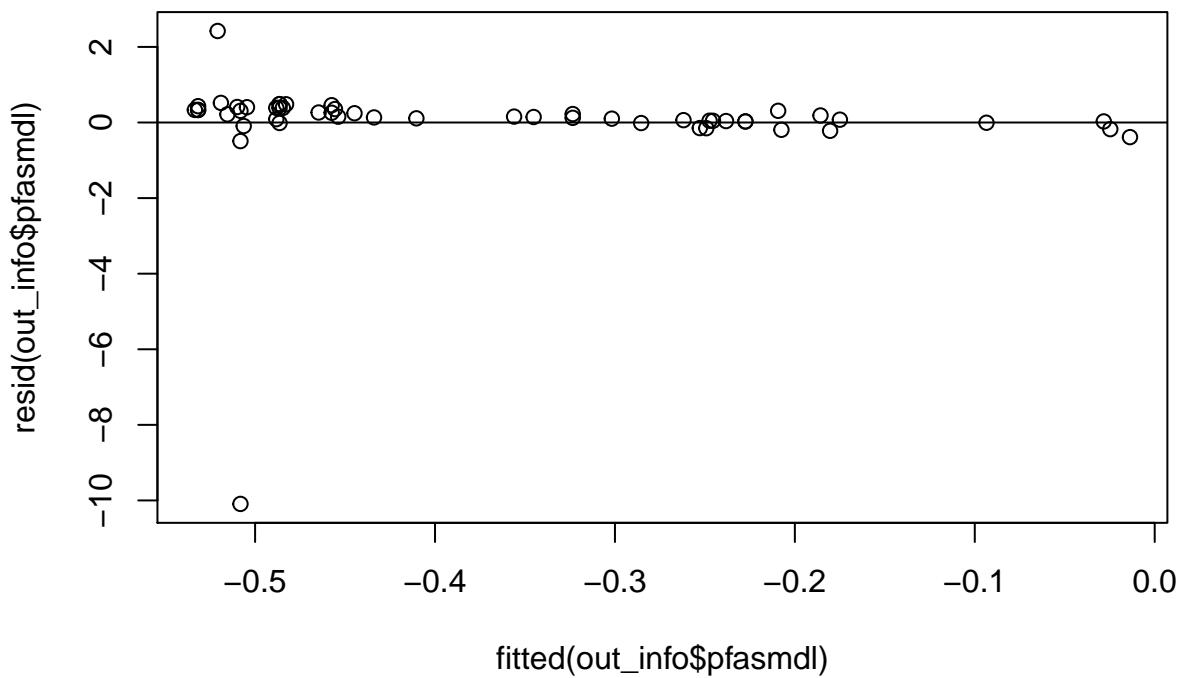
**Normal Q-Q Plot**



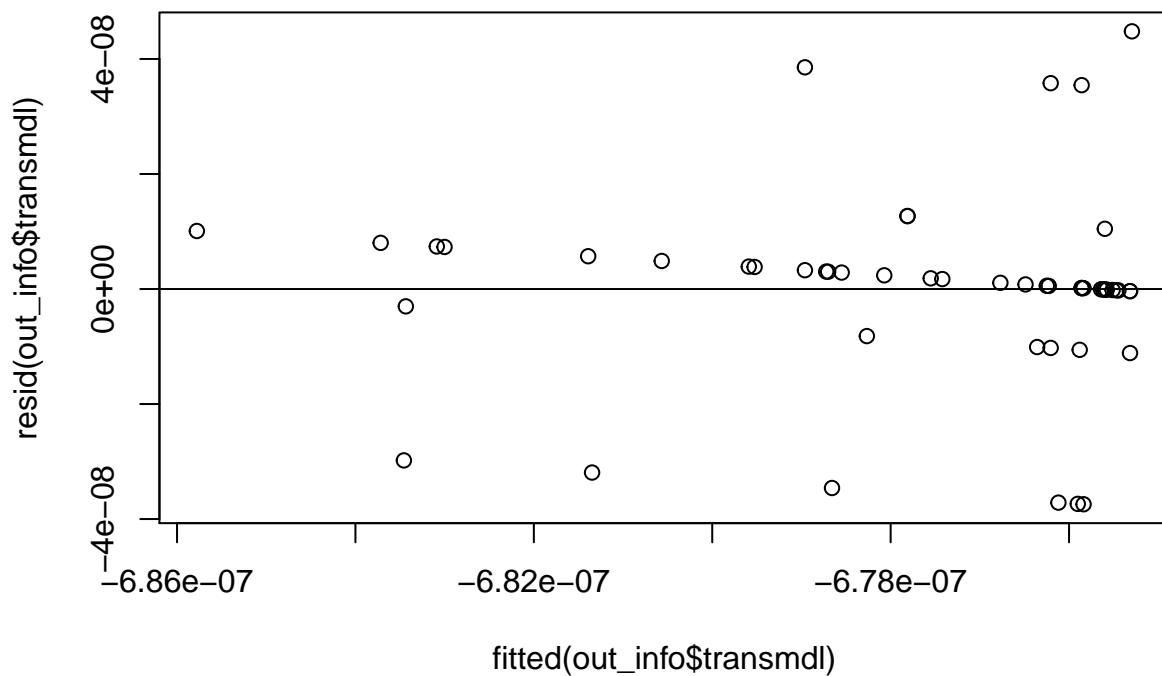
### Normal Q-Q Plot



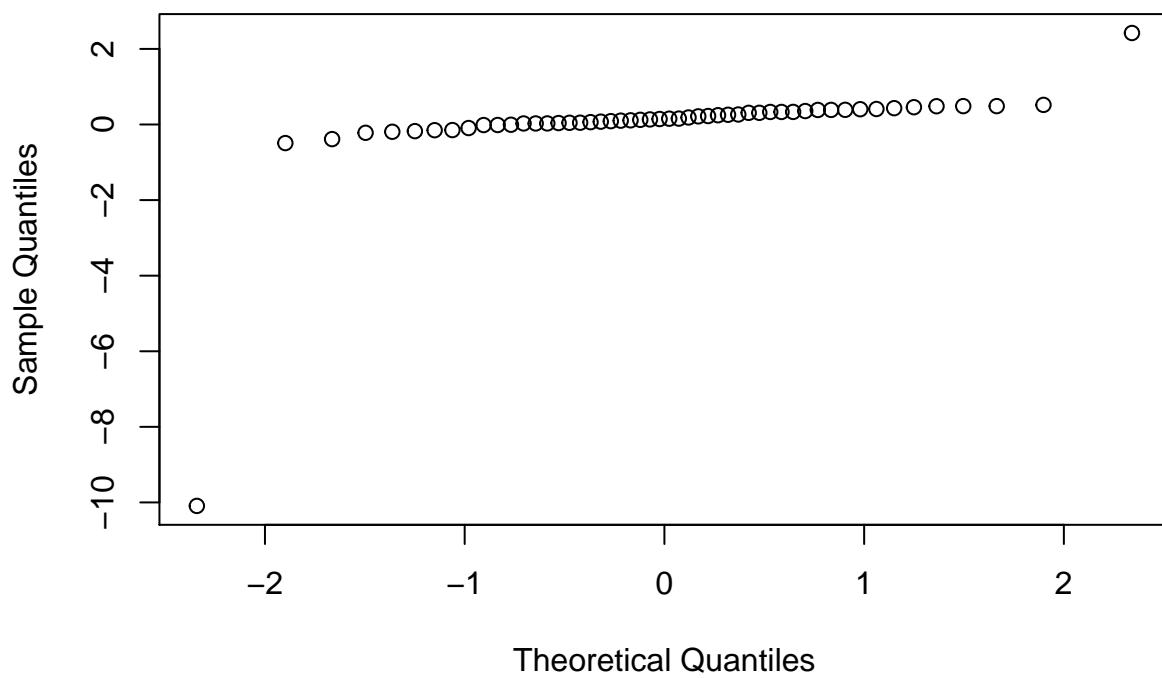
**Plot of PFNAorig+**  
**Plot of PFNAorigdays.since.struc.MRF**  
**Plot of PFNAorigEthnicity**



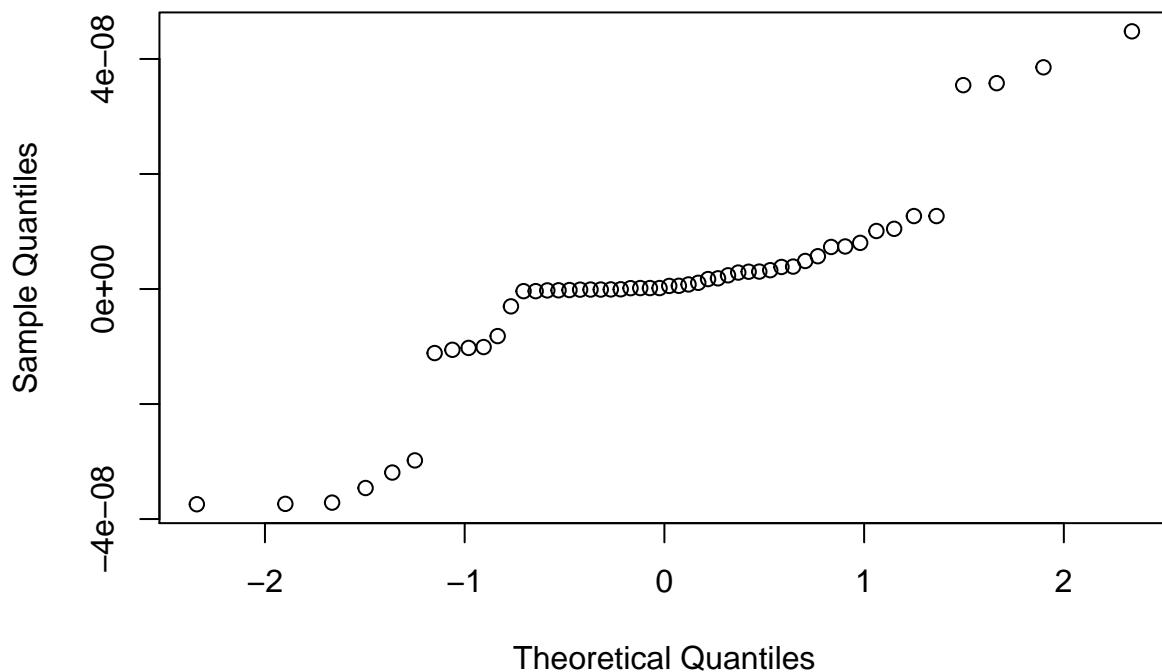
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



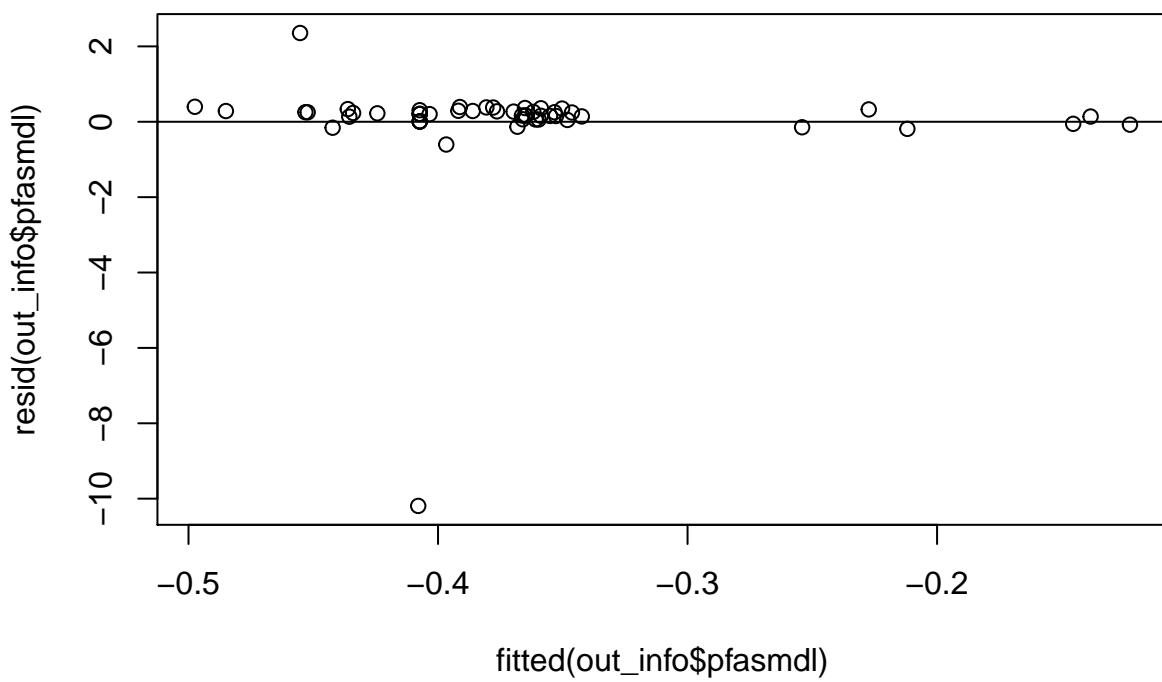
**Normal Q-Q Plot**



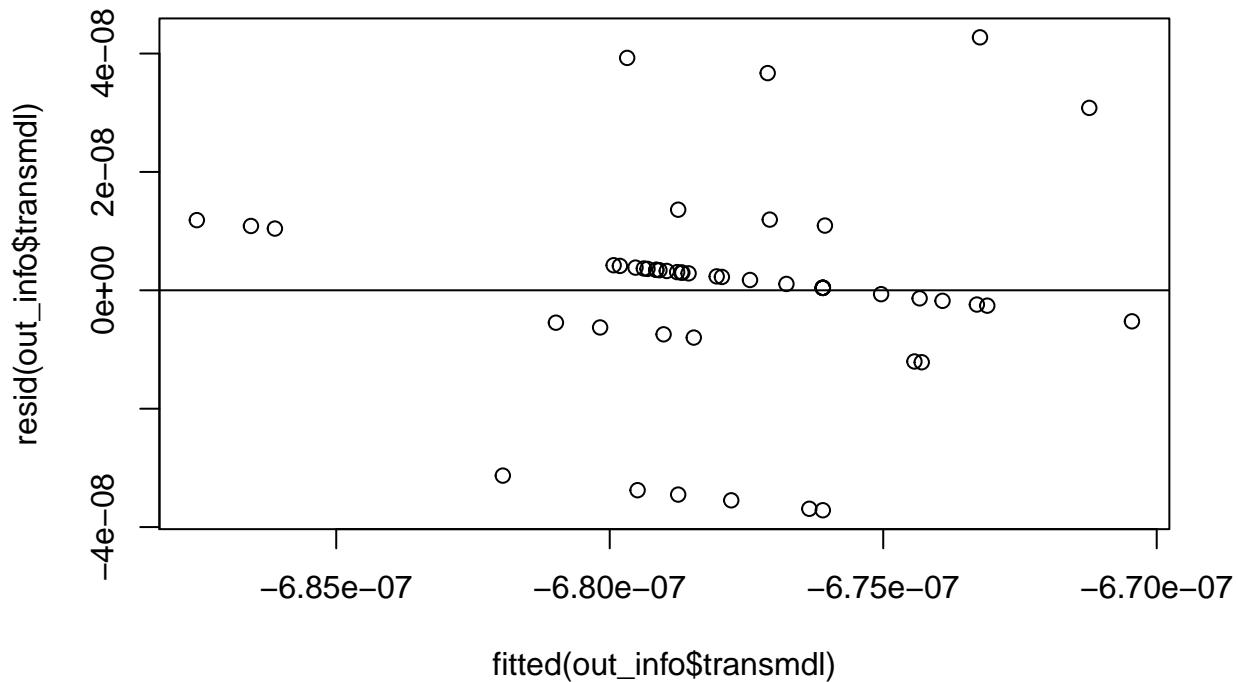
### Normal Q-Q Plot



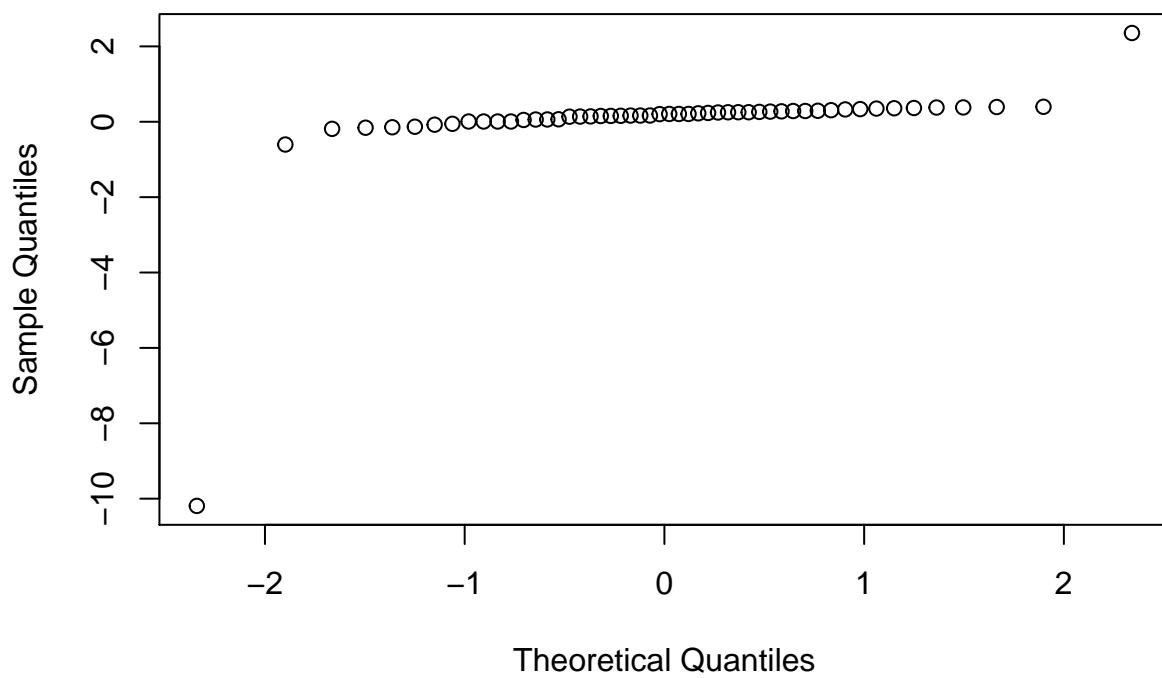
Plot of PFNAorig+  
Plot of PFNAorigtime.since.baseline  
Plot of PFNAorigEthnicity



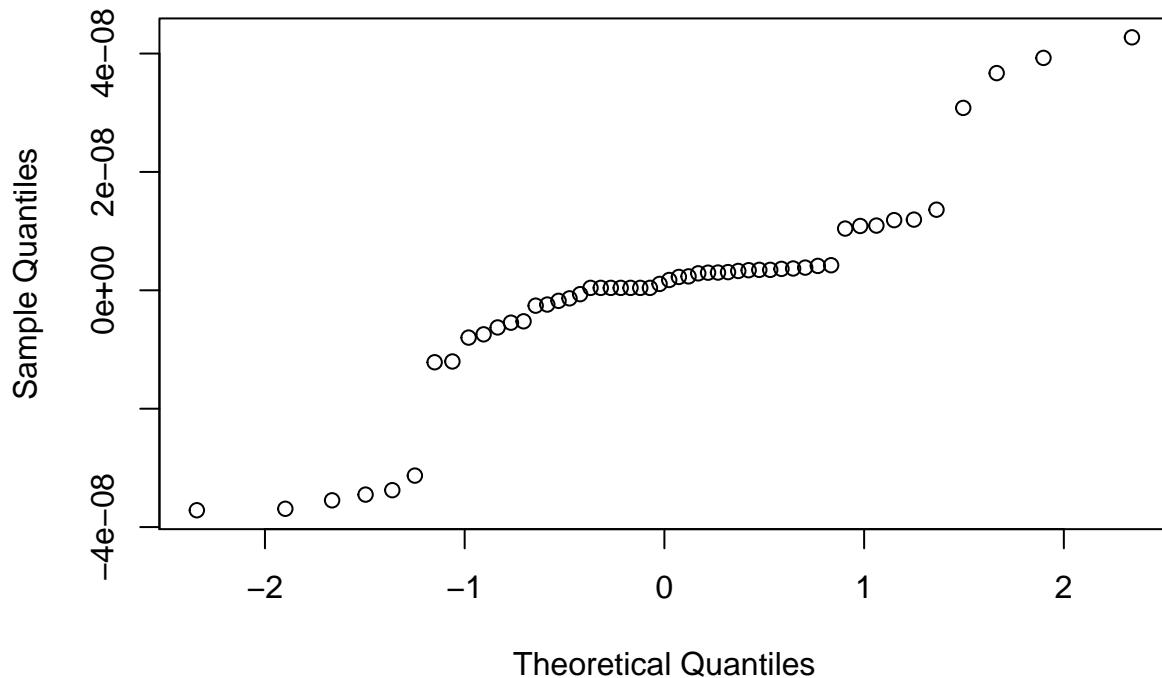
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



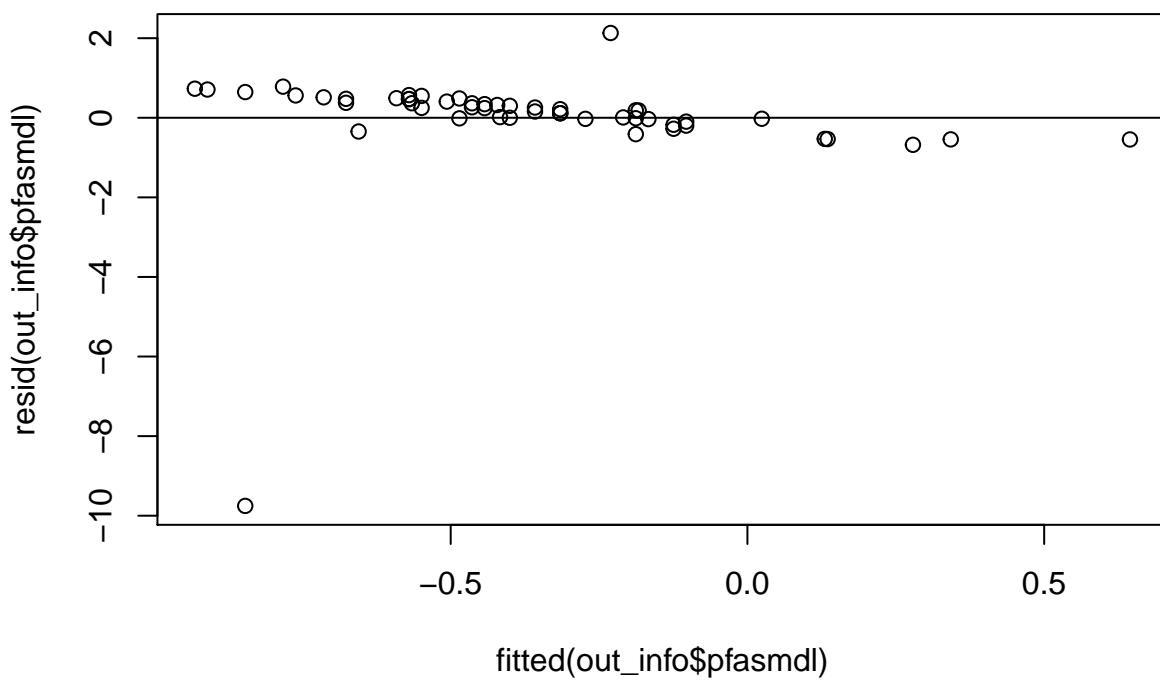
**Normal Q-Q Plot**



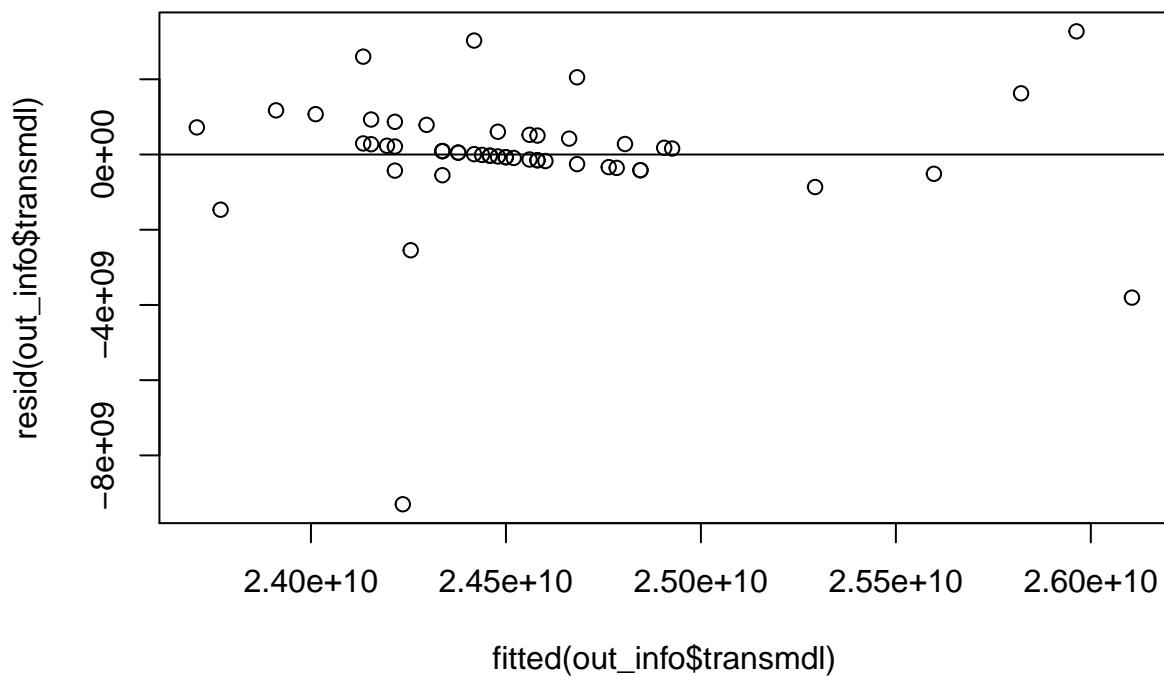
### Normal Q-Q Plot



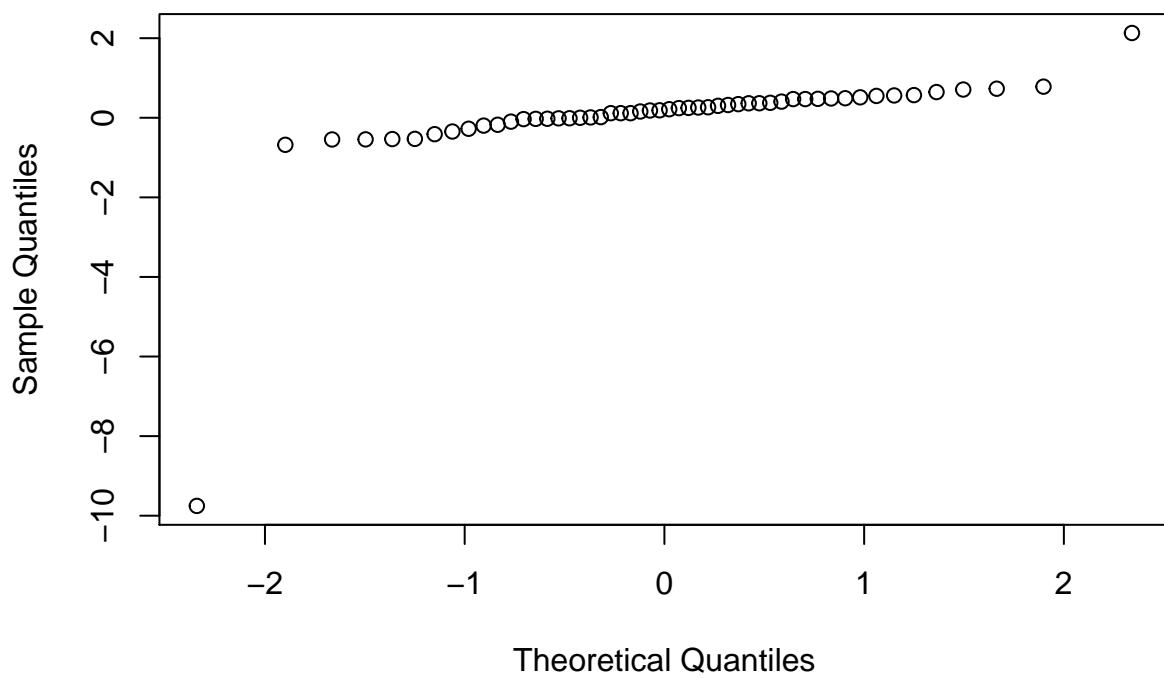
Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity



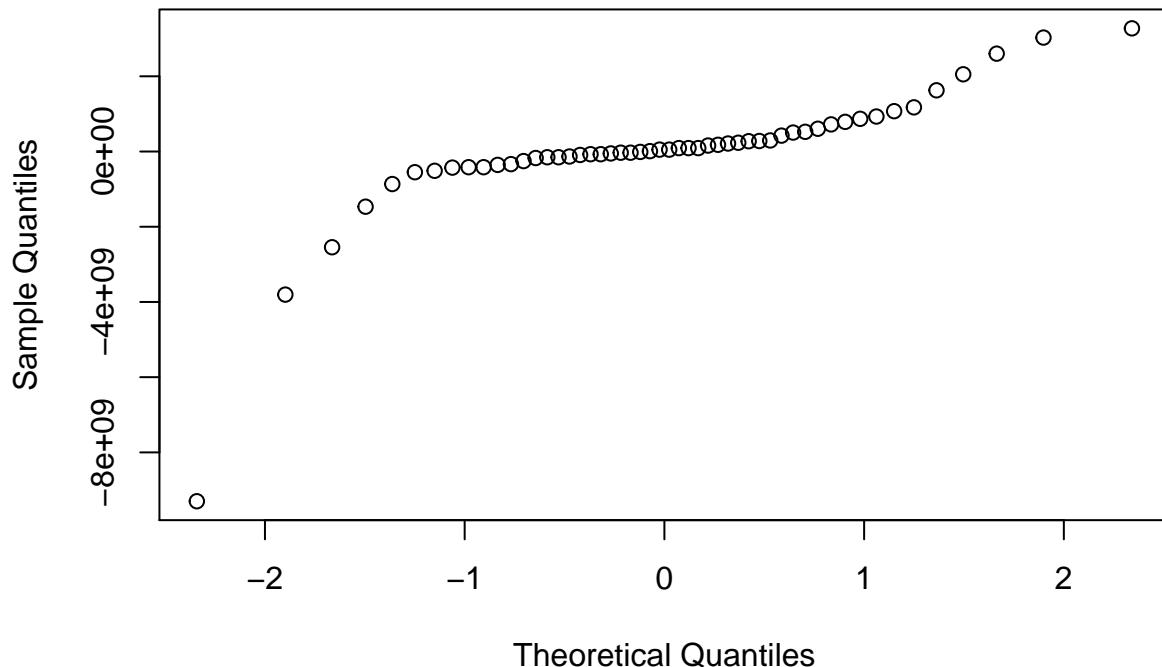
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



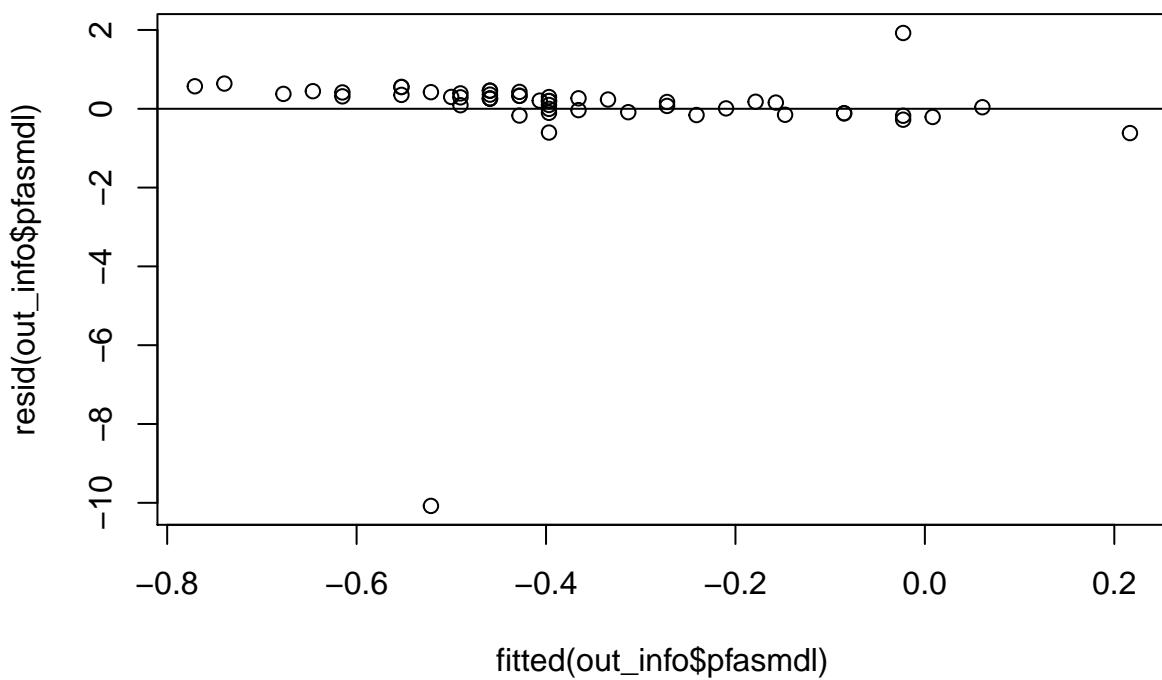
**Normal Q-Q Plot**



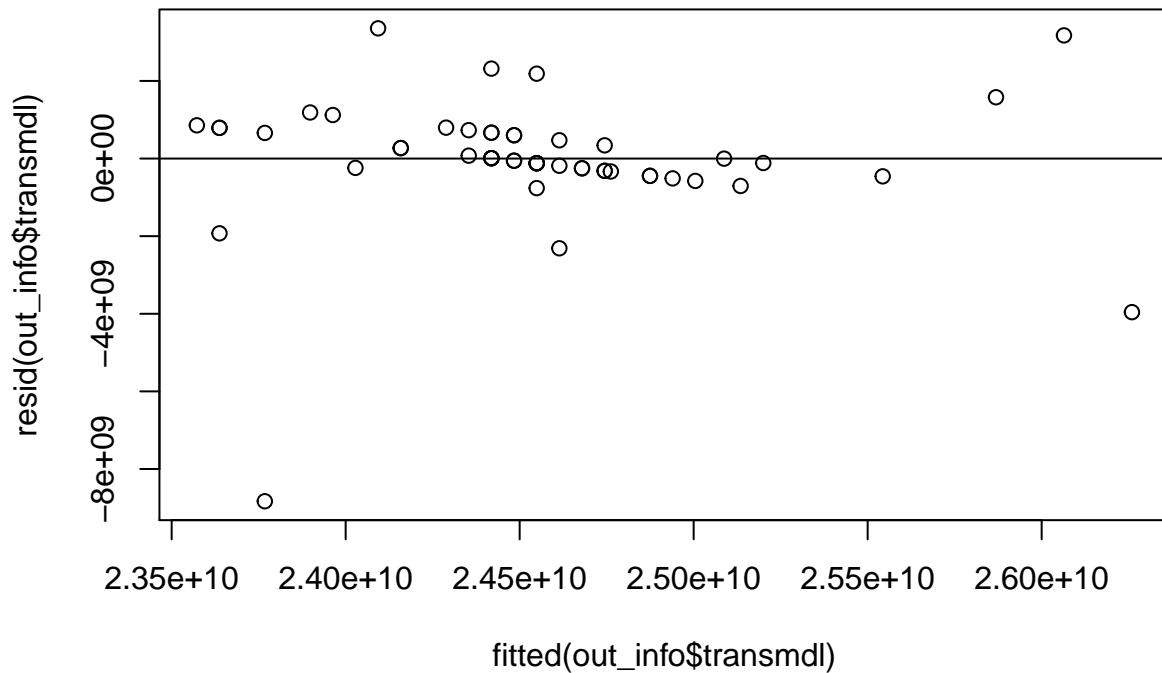
### Normal Q-Q Plot



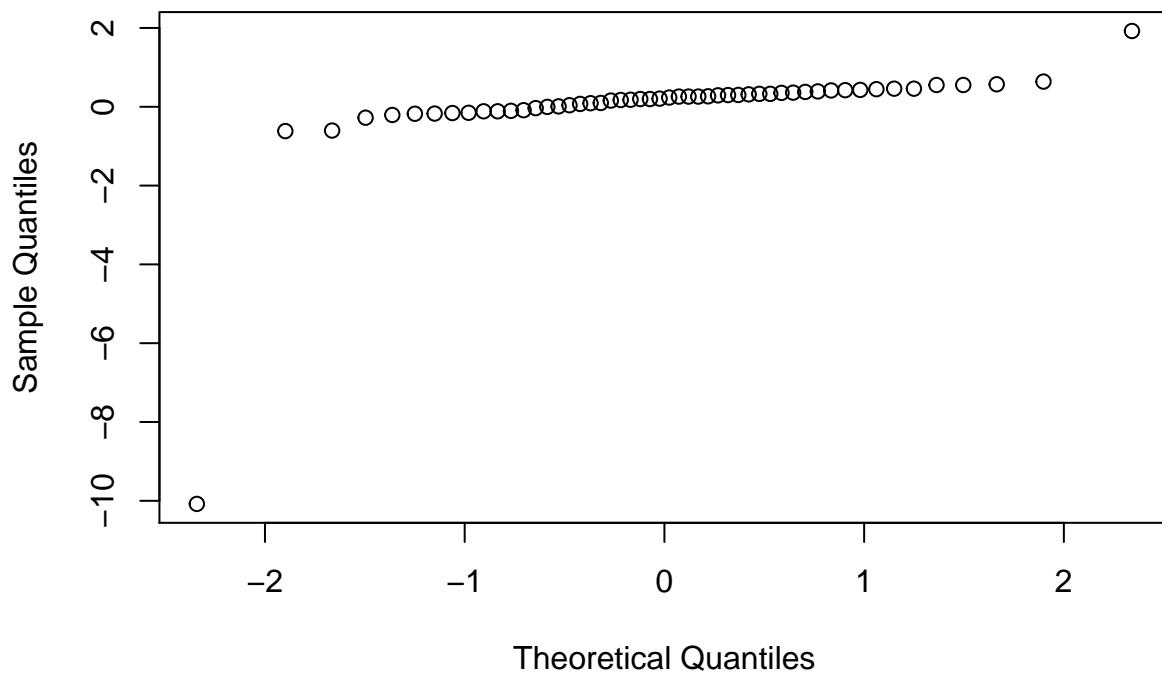
**Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity**



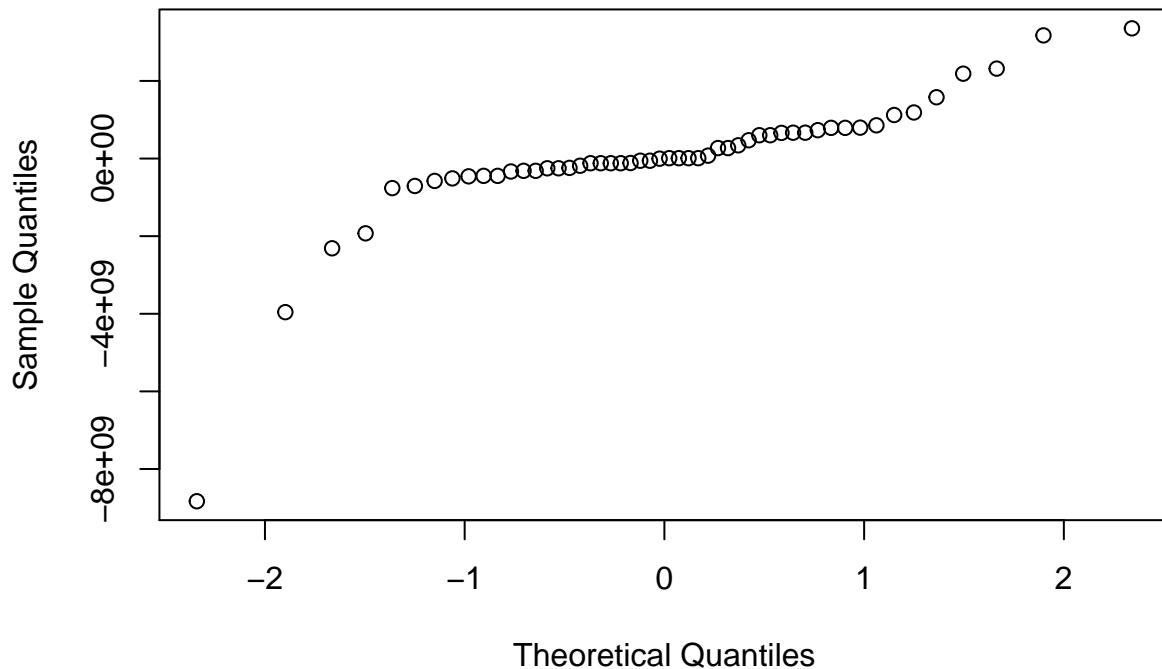
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



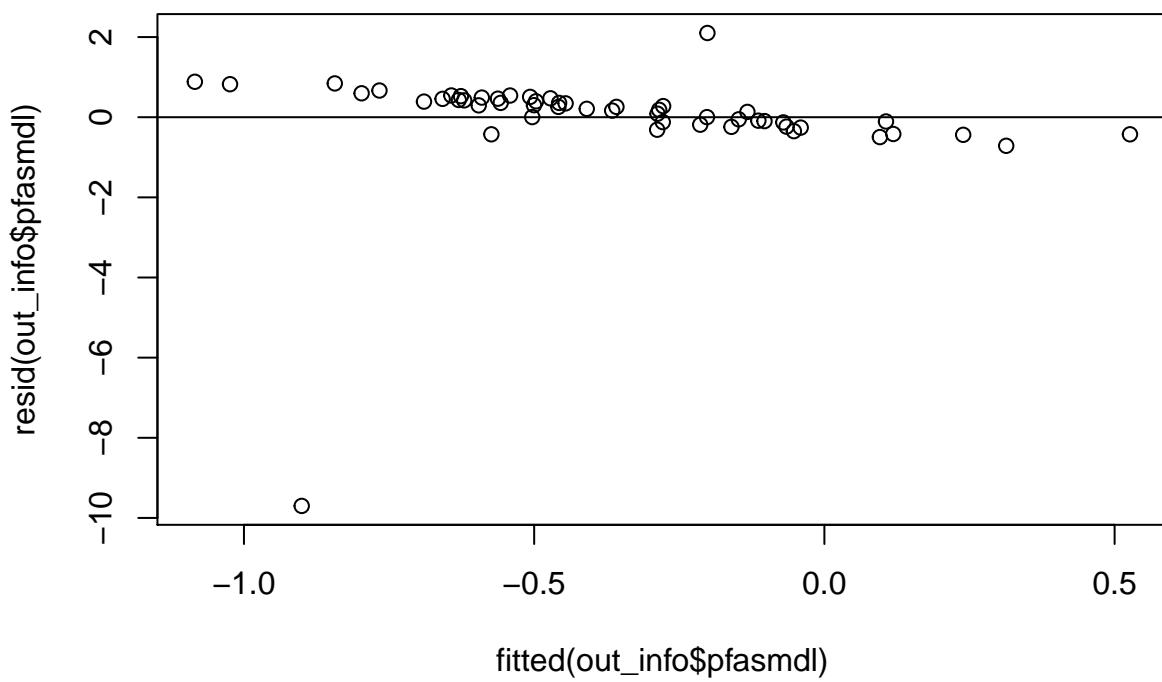
**Normal Q-Q Plot**



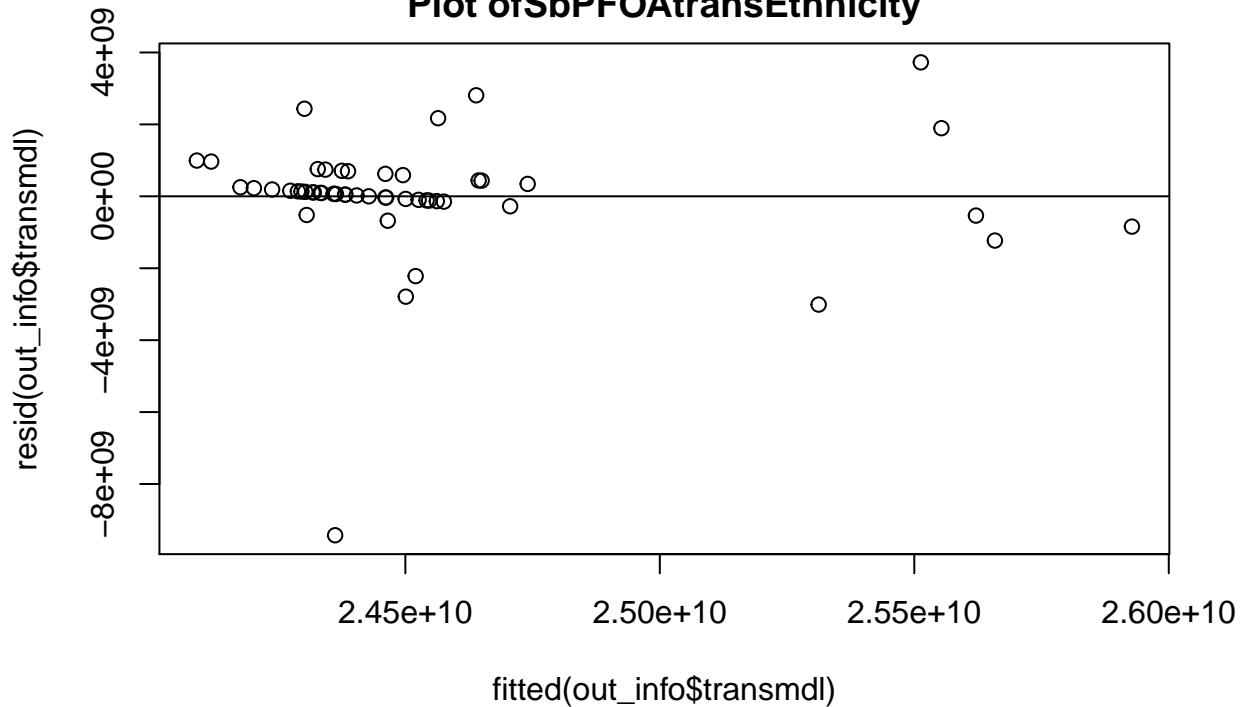
### Normal Q-Q Plot



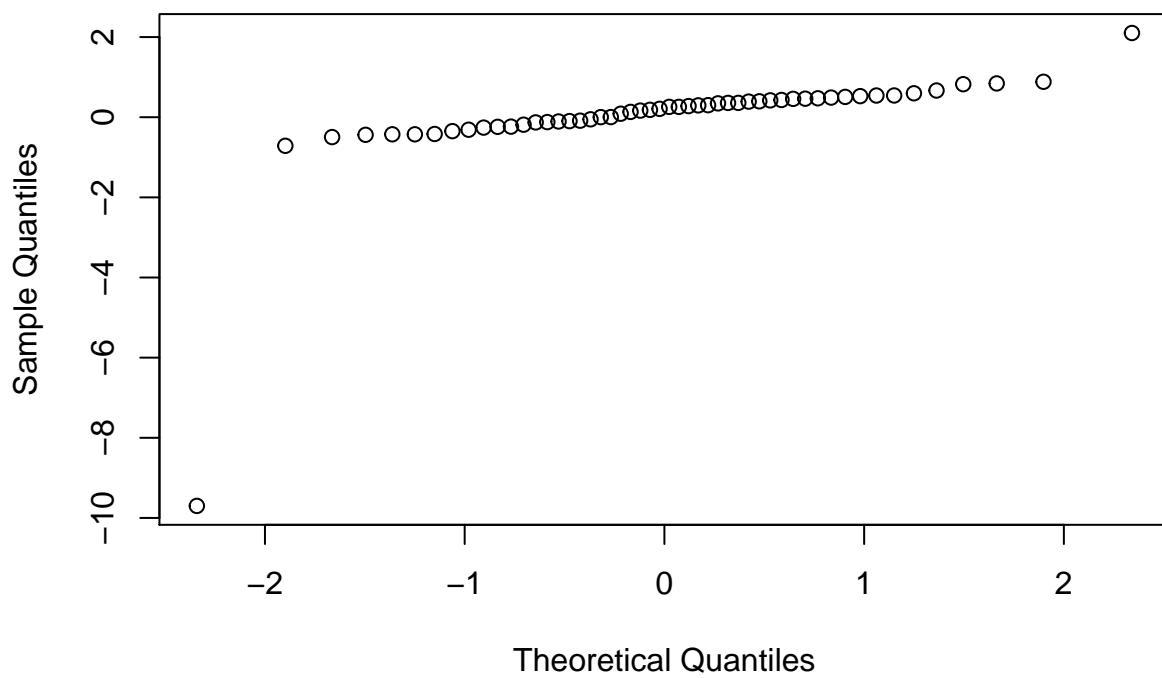
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



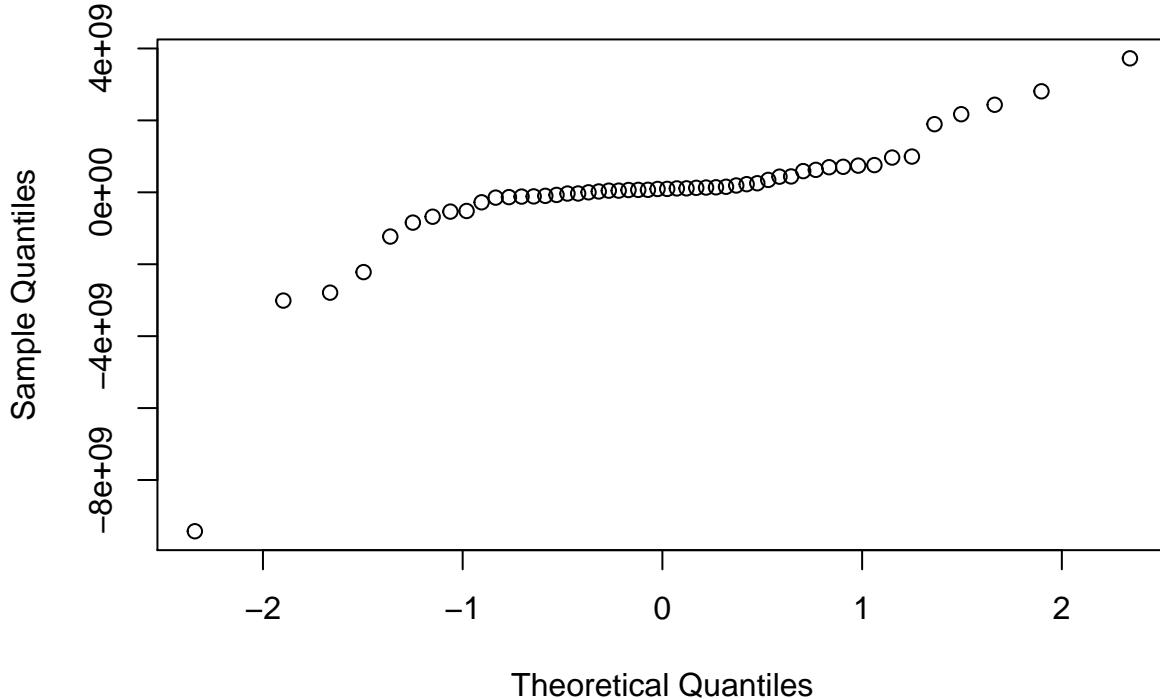
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**



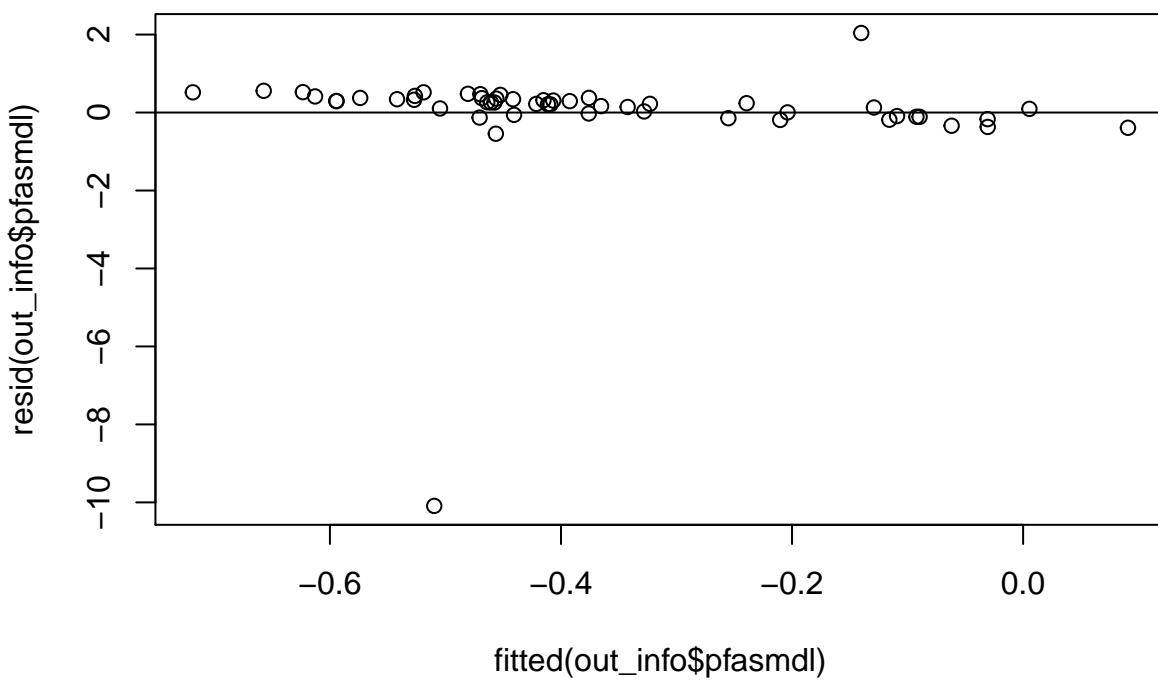
**Normal Q-Q Plot**



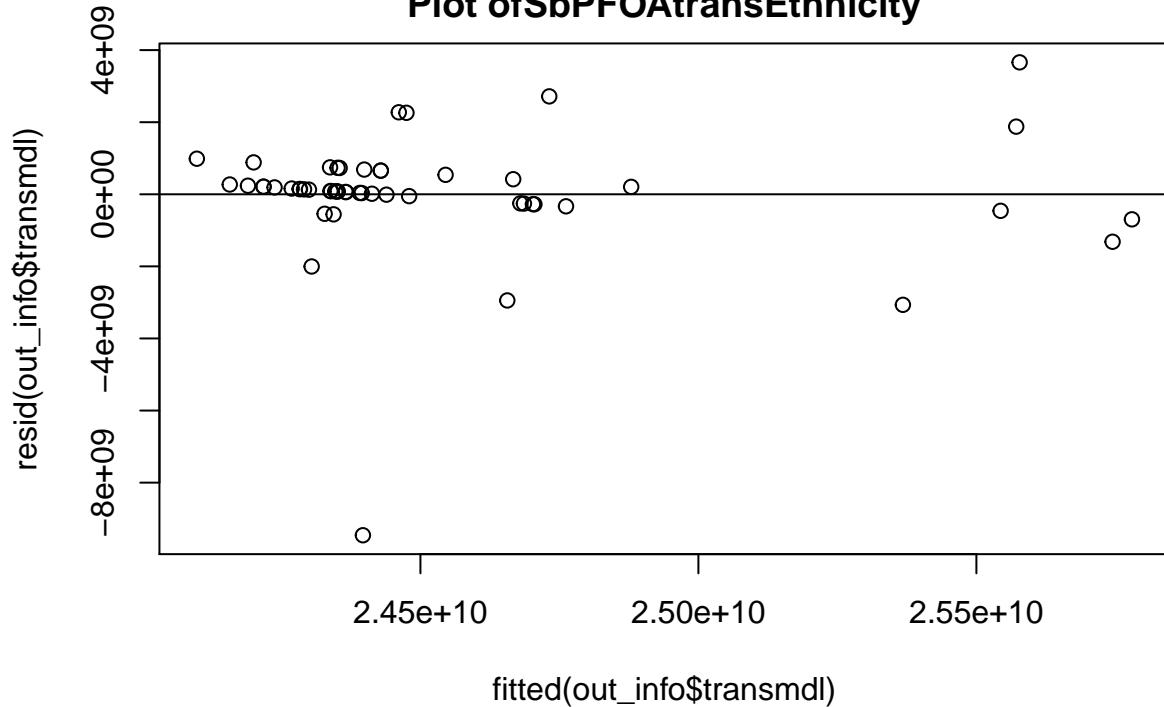
### Normal Q-Q Plot



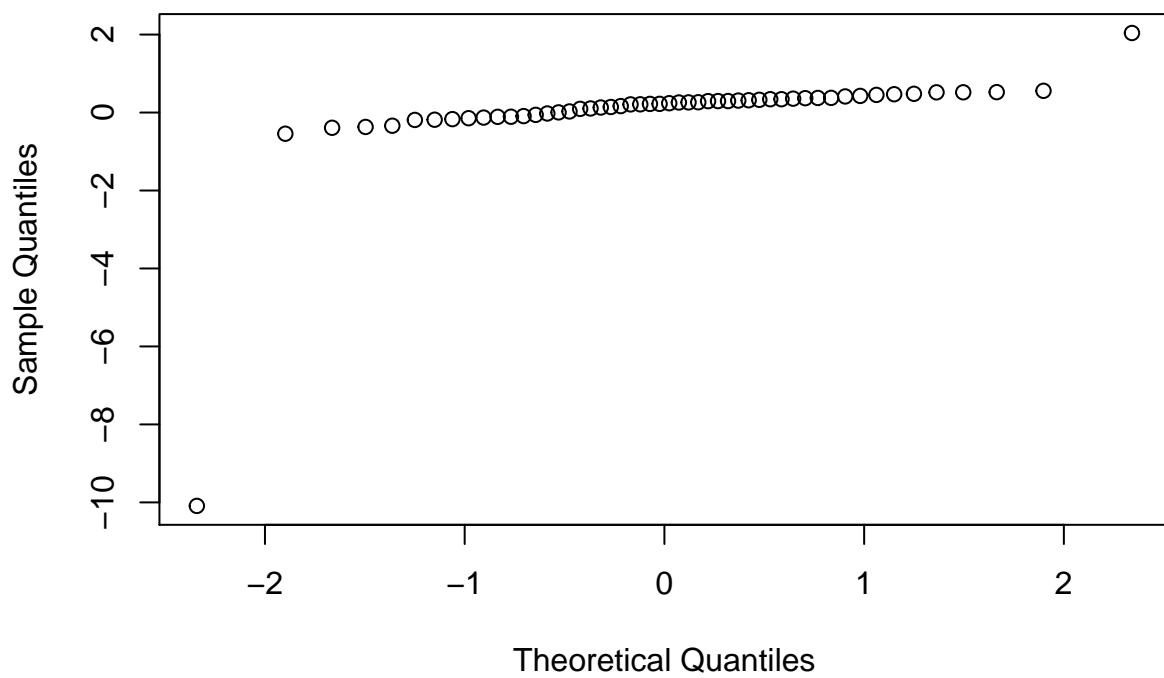
**Plot of PFNAorig+  
Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity**

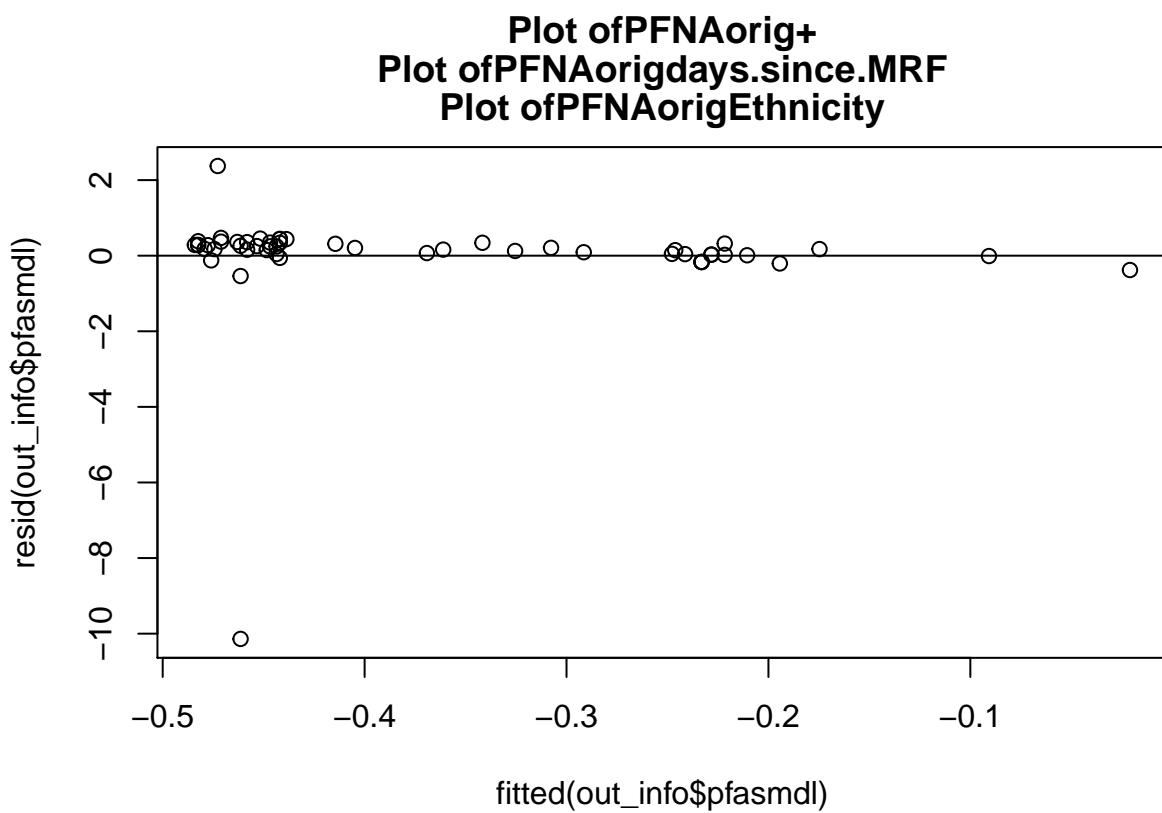
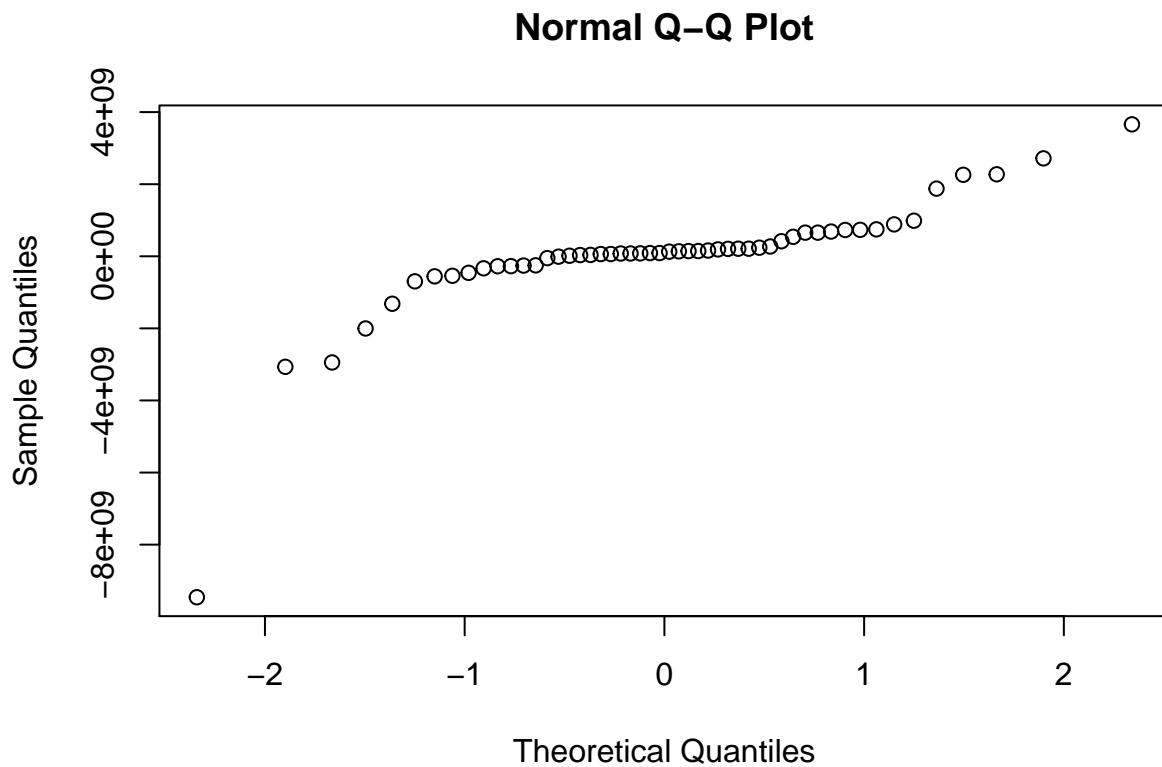


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

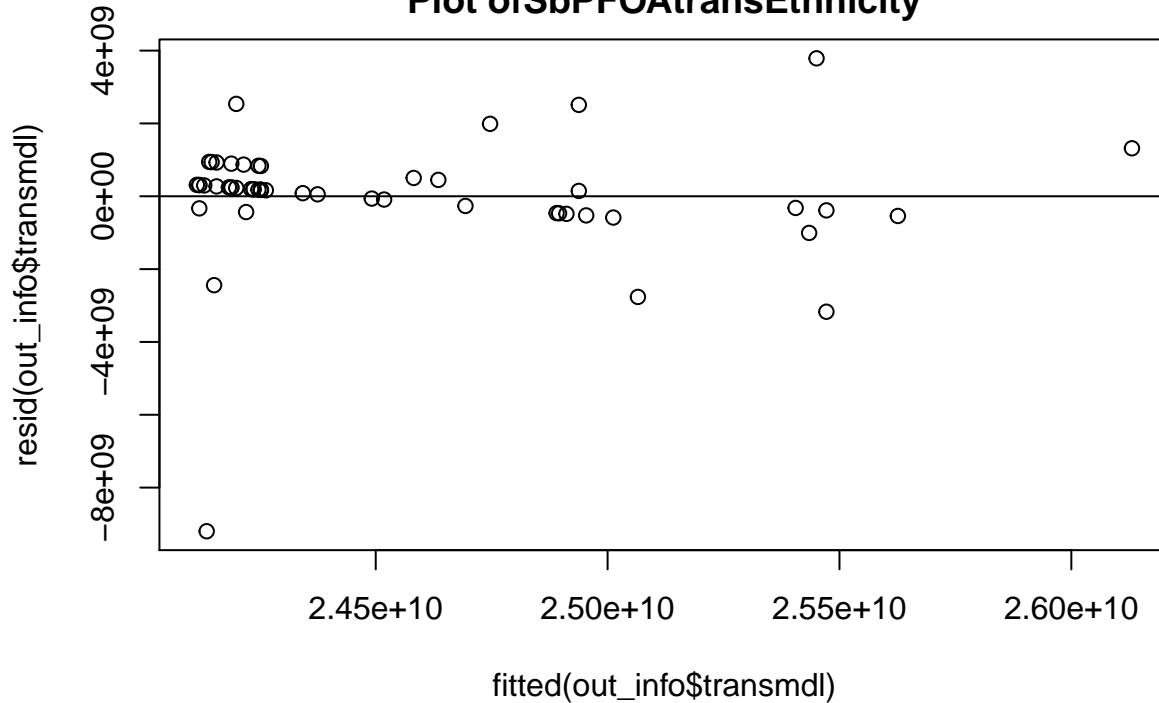


**Normal Q-Q Plot**

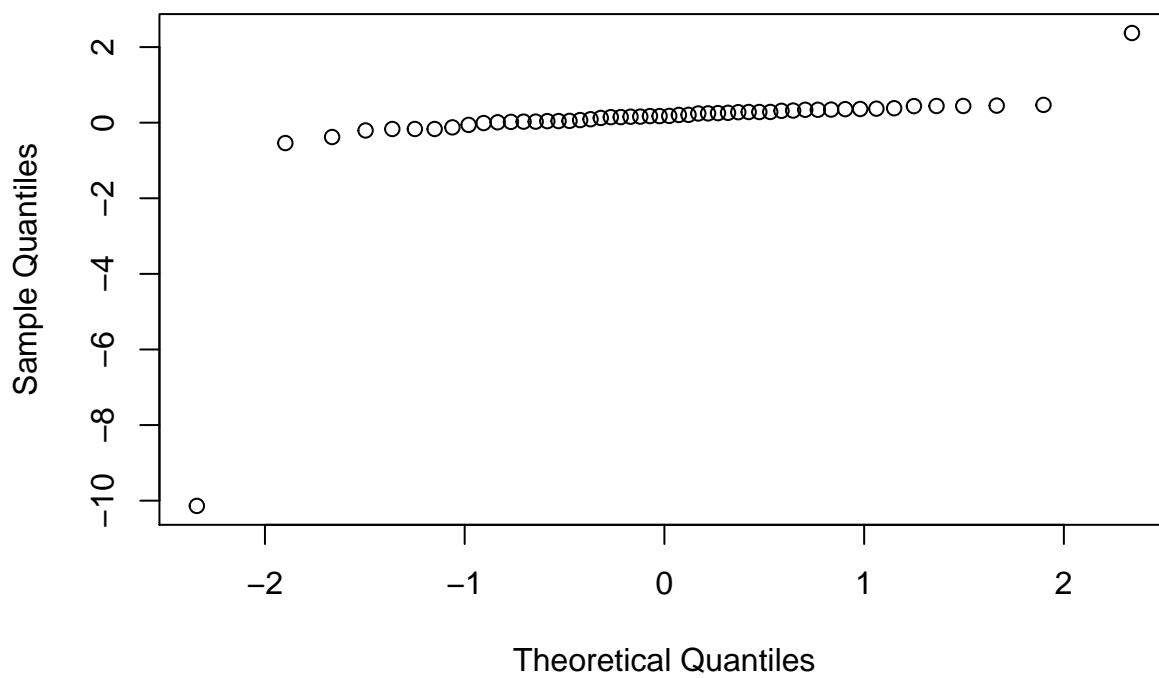


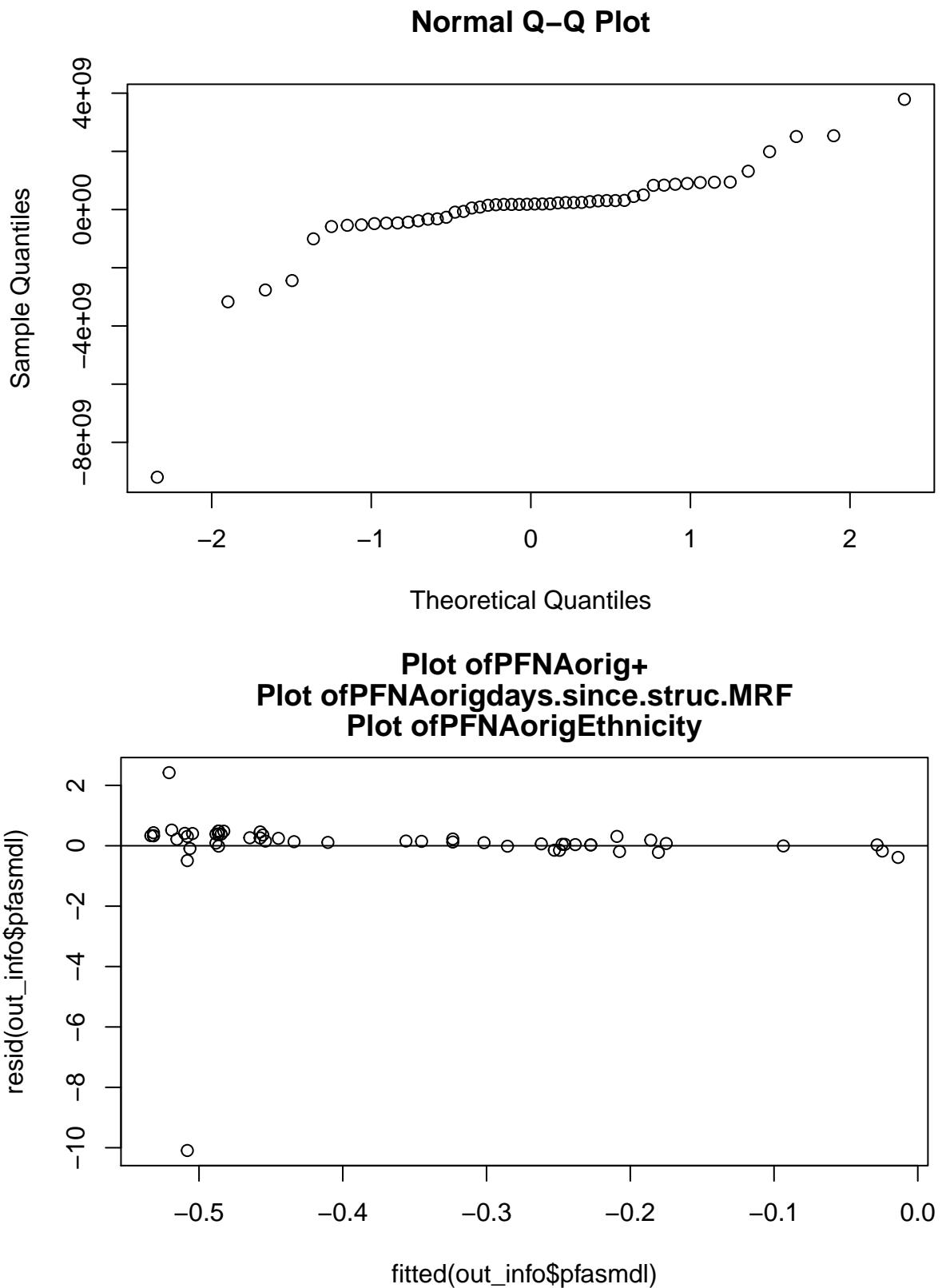


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

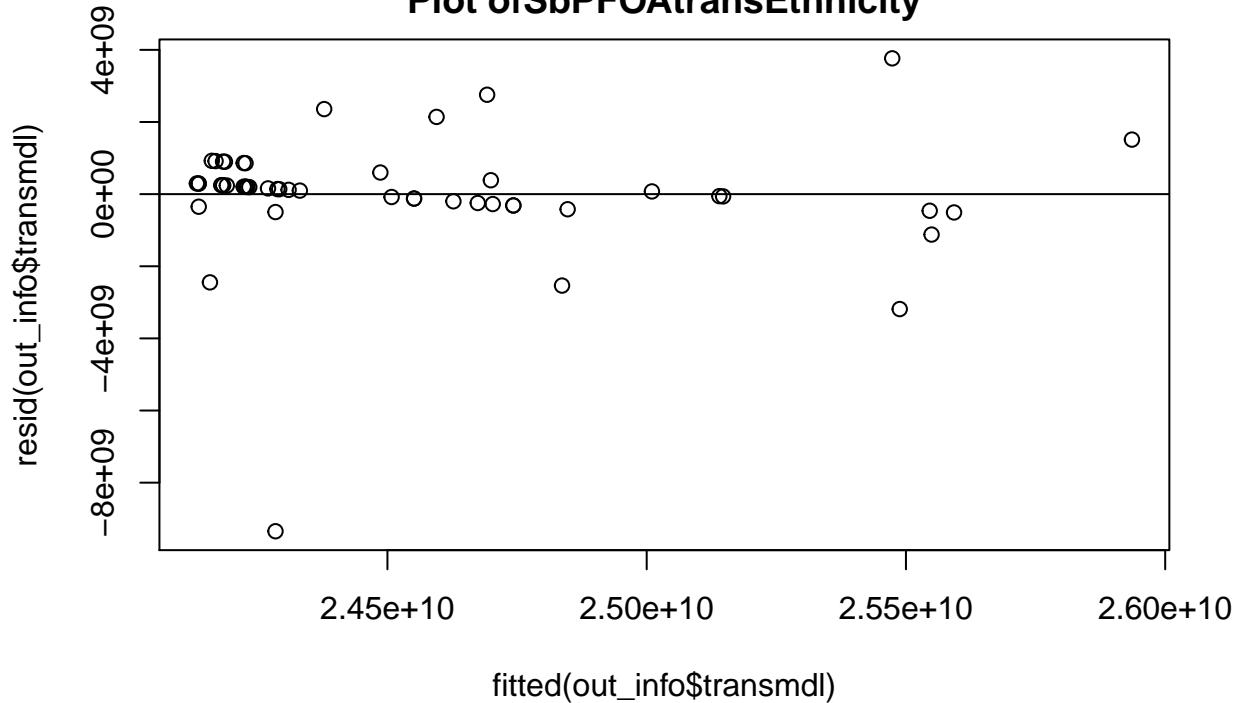


**Normal Q-Q Plot**

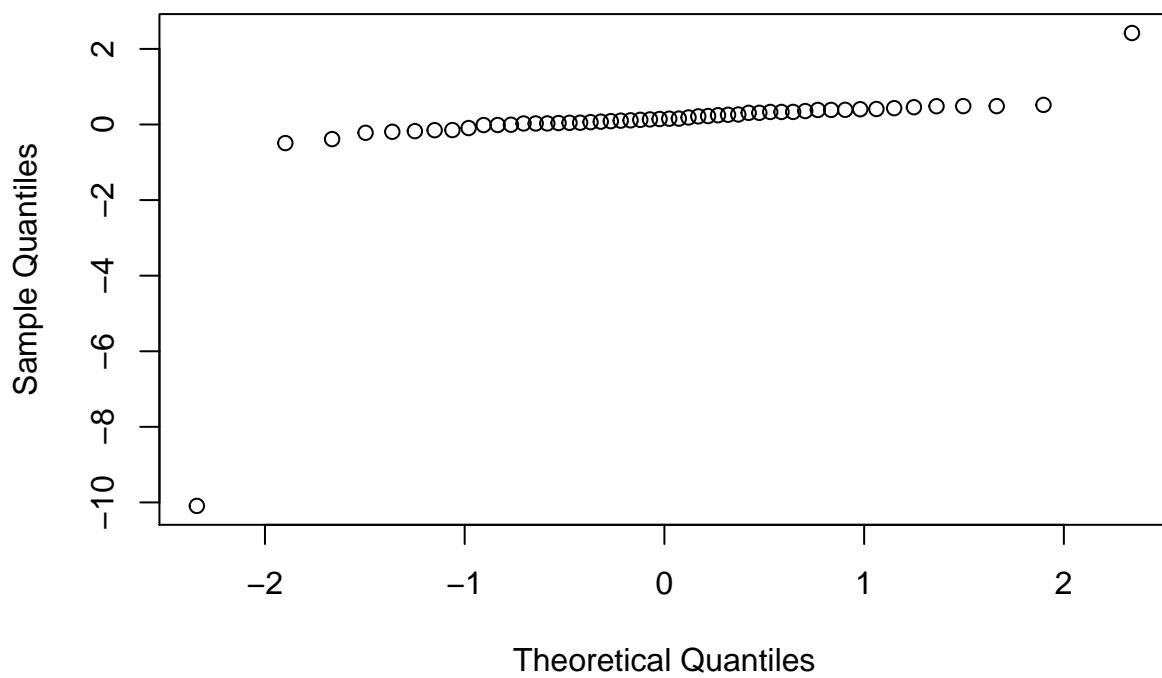


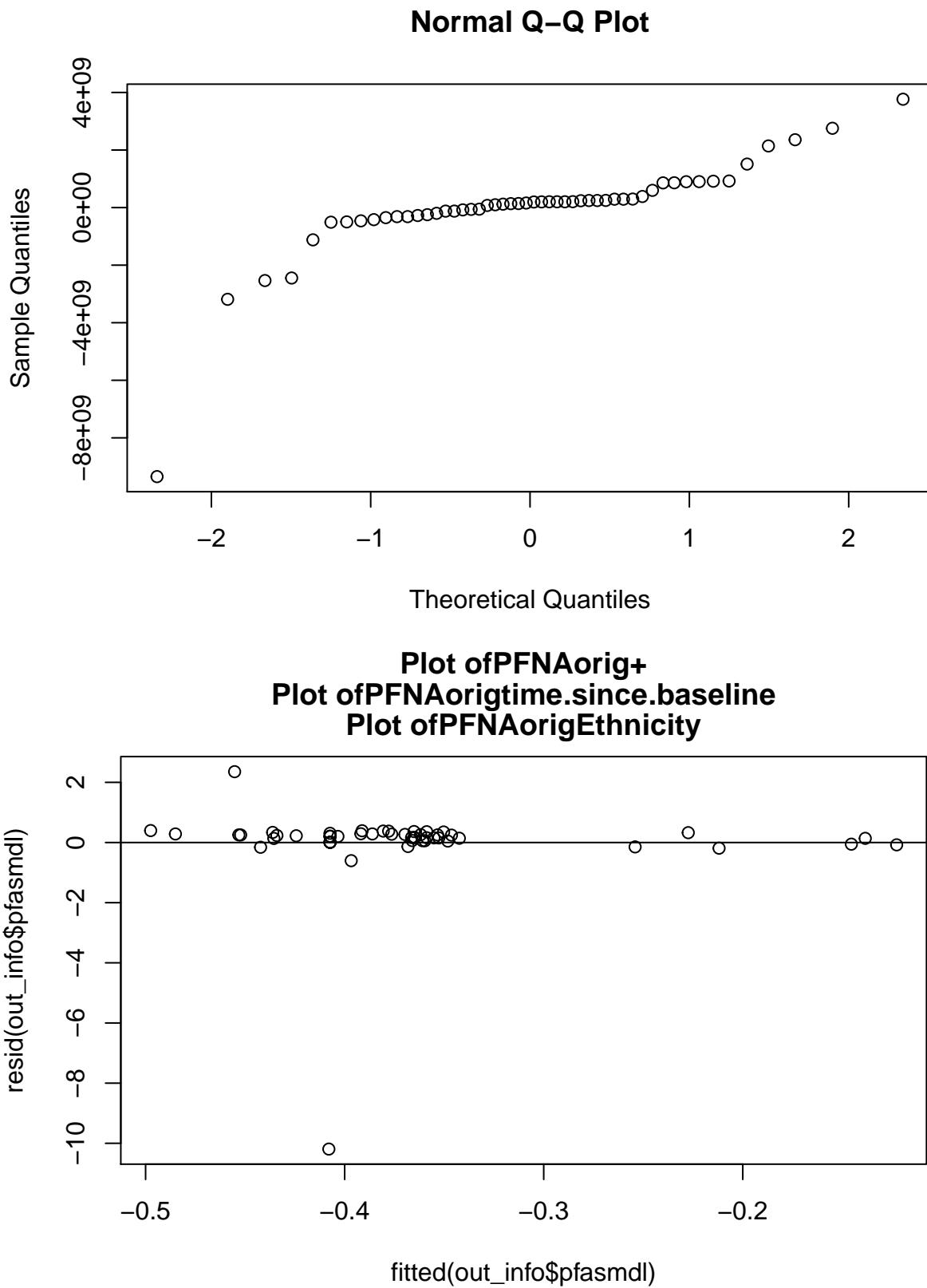


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**

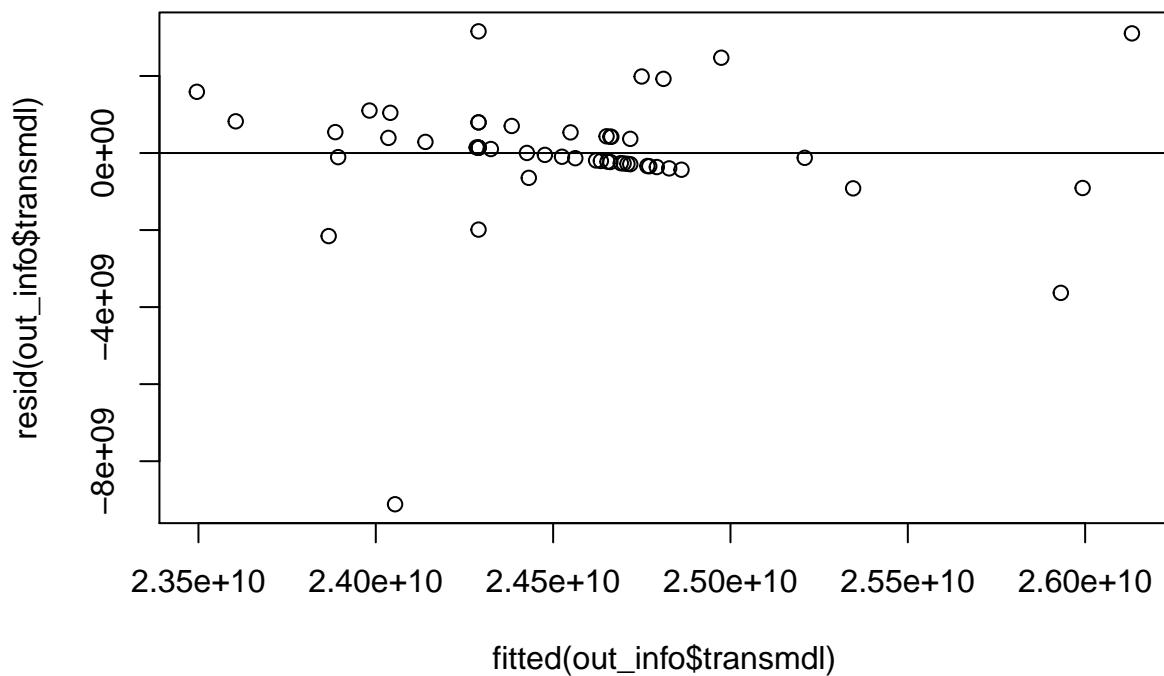


**Normal Q-Q Plot**

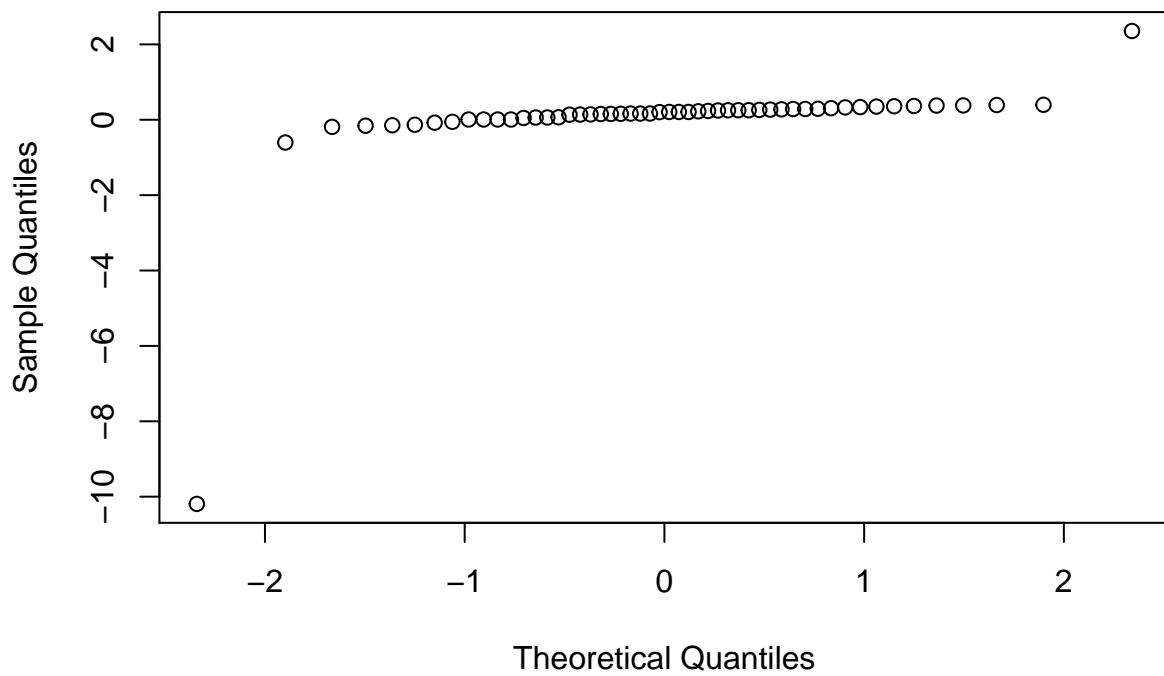




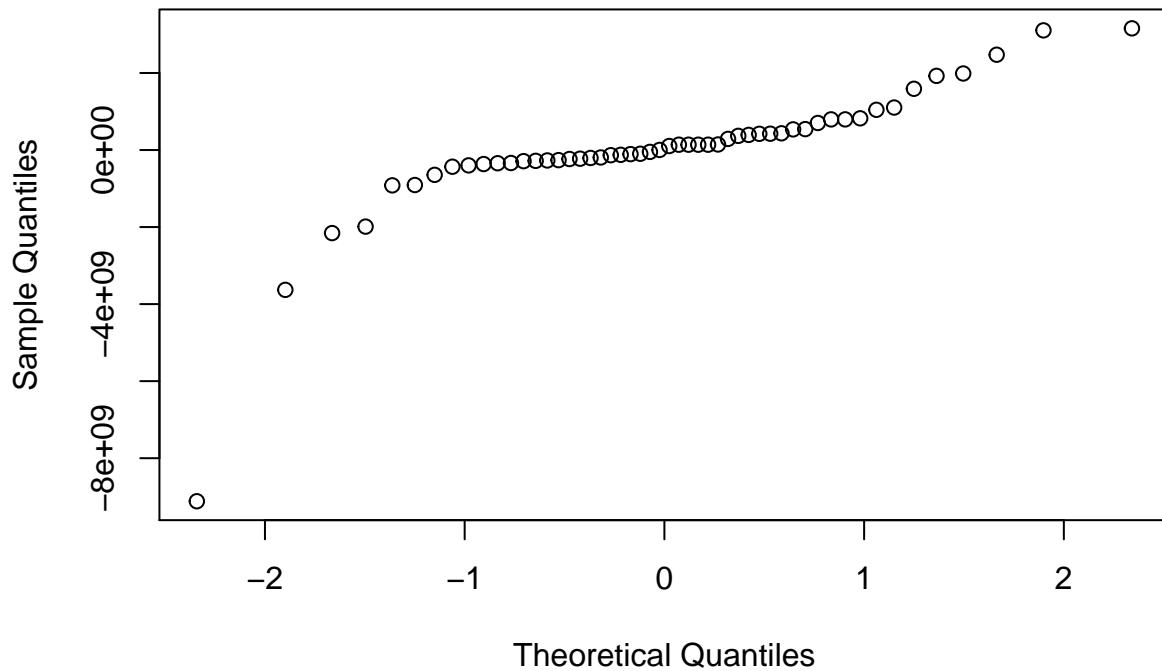
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



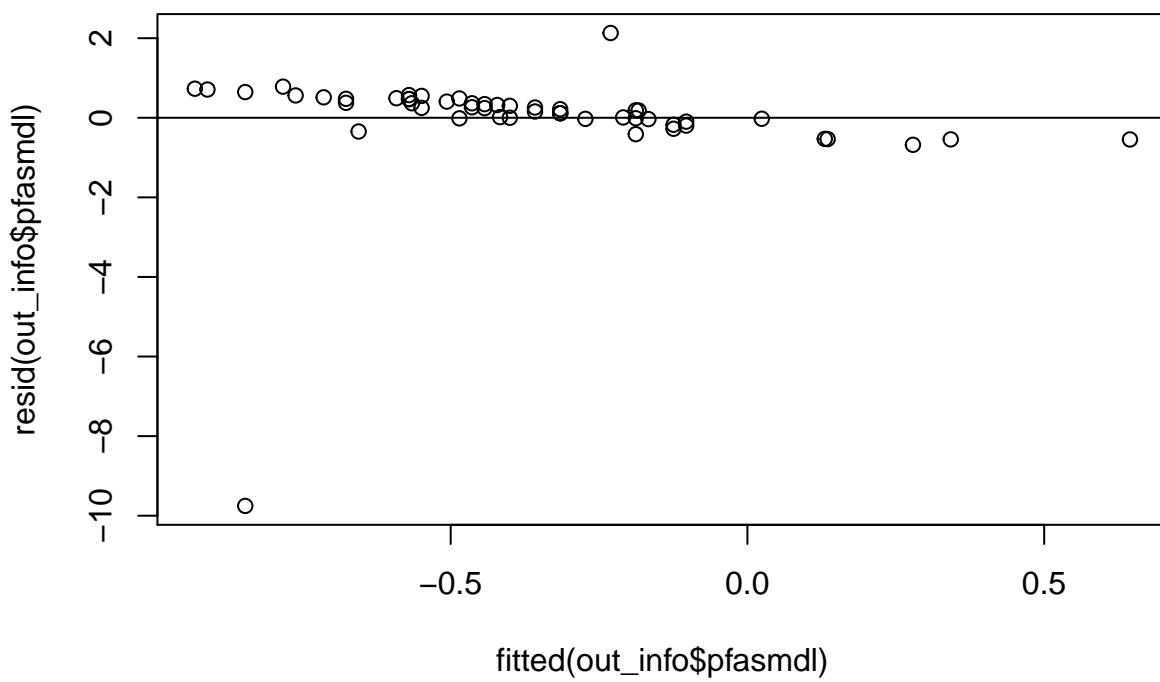
**Normal Q-Q Plot**



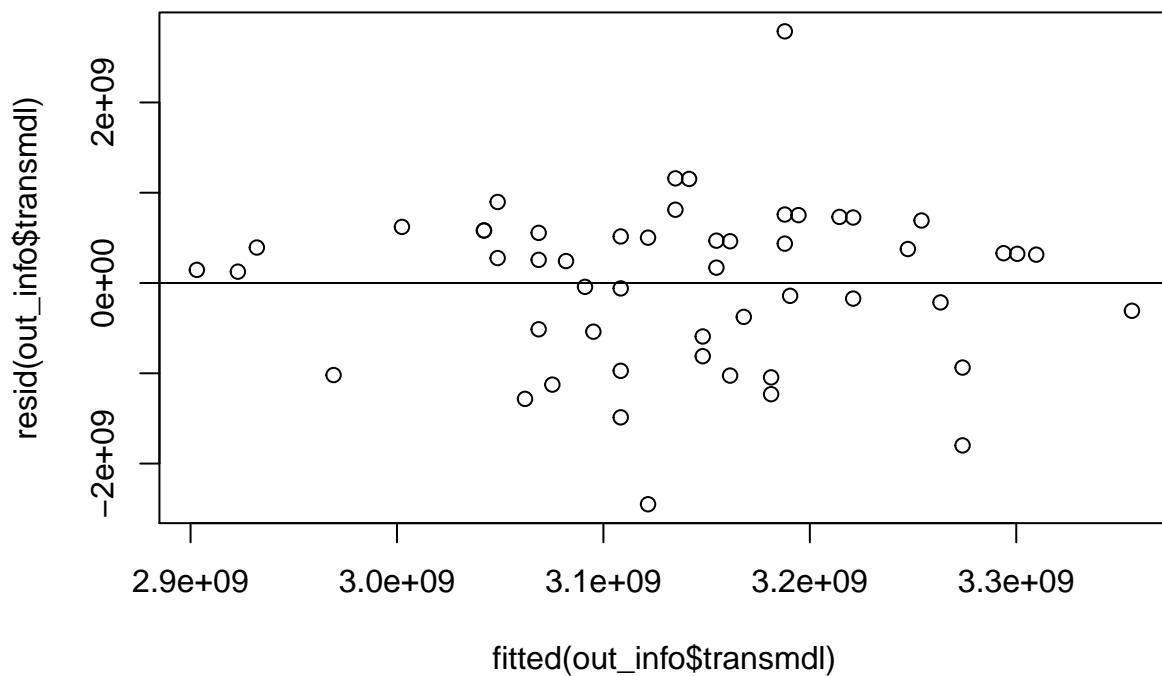
### Normal Q-Q Plot



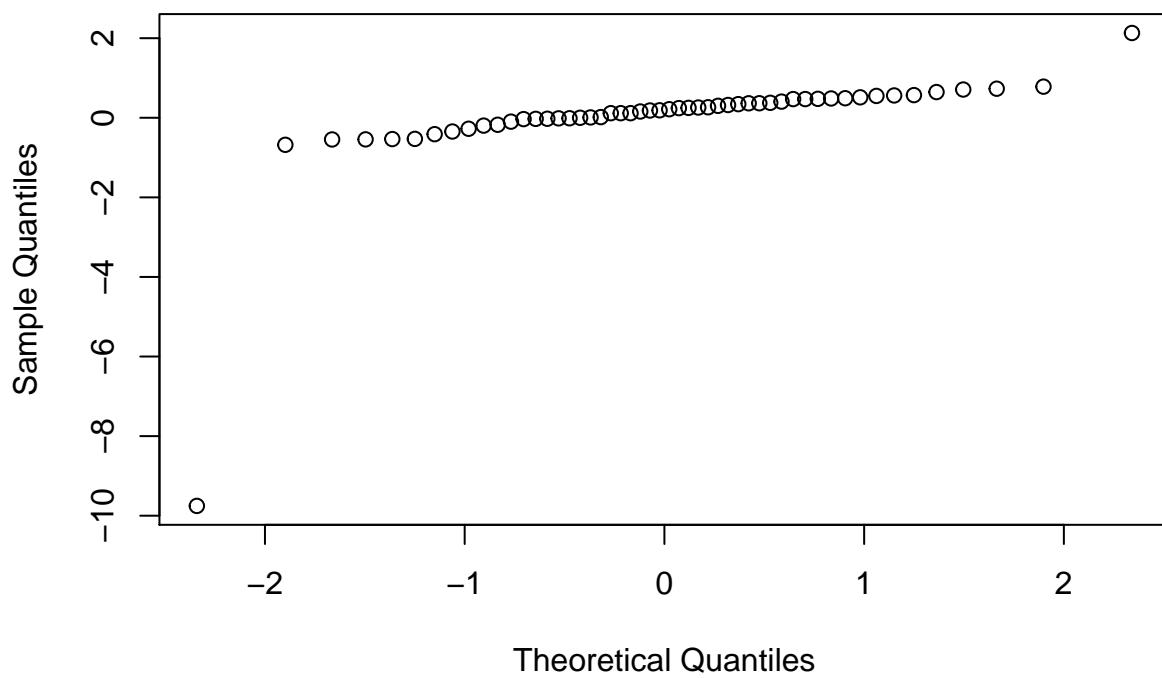
Plot of PFNAorig+  
Plot of PFNAorigtotal.num.fireruns  
Plot of PFNAorigEthnicity



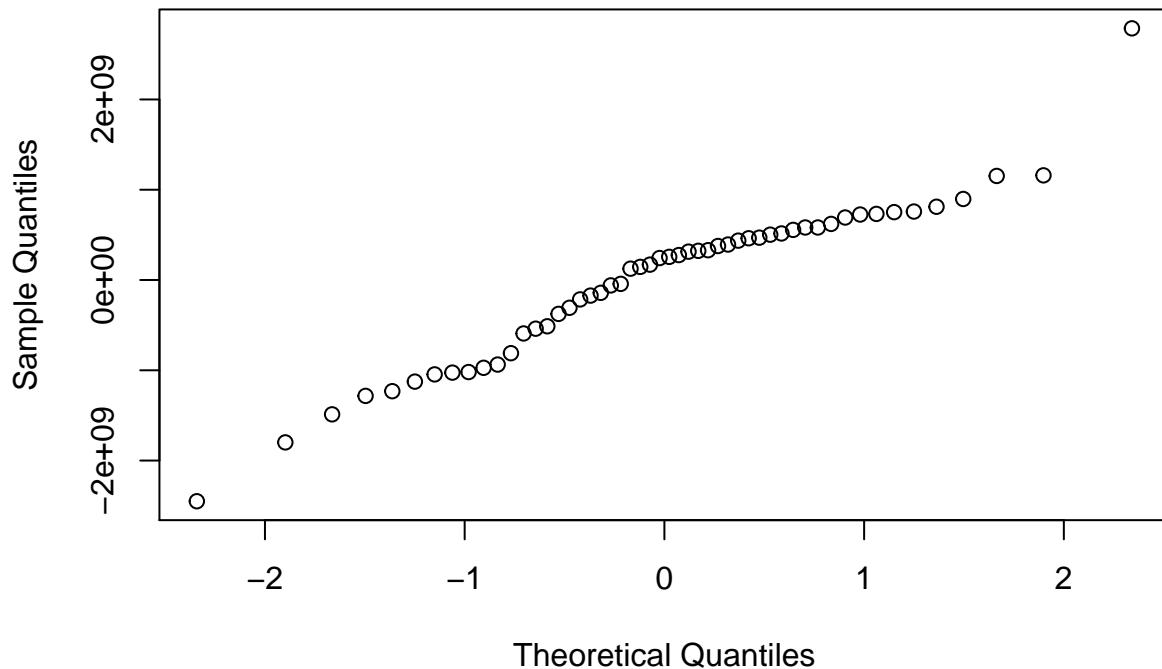
**Plot of SmPFOStrans+  
Plot of SmPFOStrantotal.num.fireruns  
Plot of SmPFOStransEthnicity**



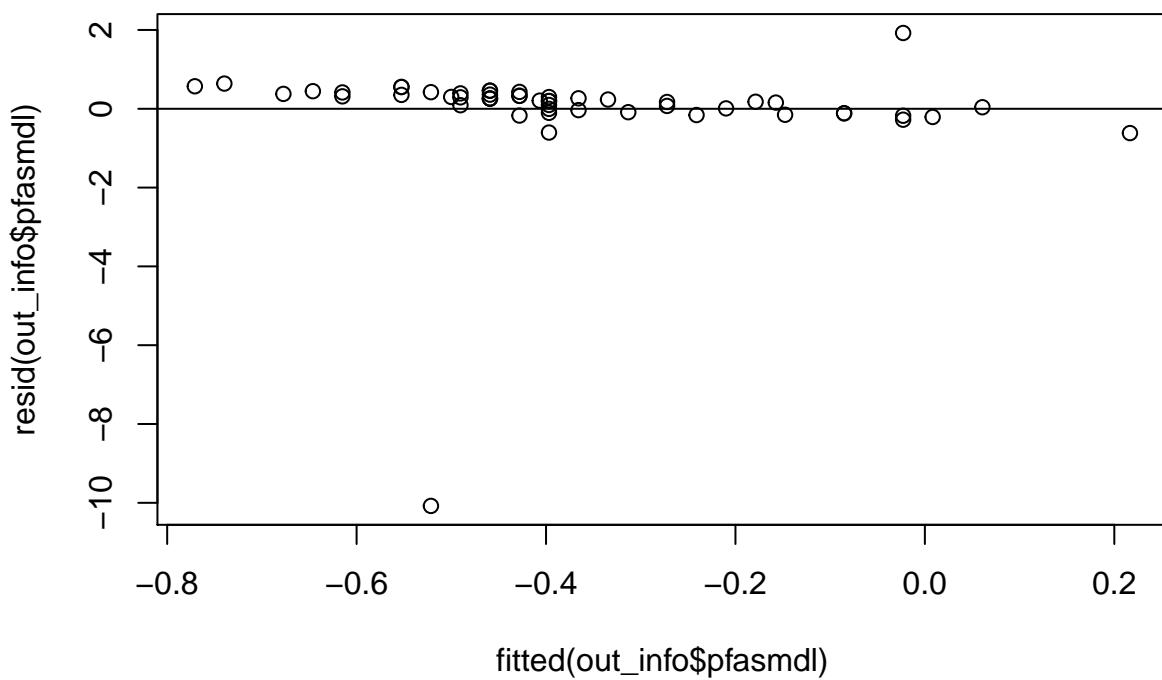
**Normal Q-Q Plot**



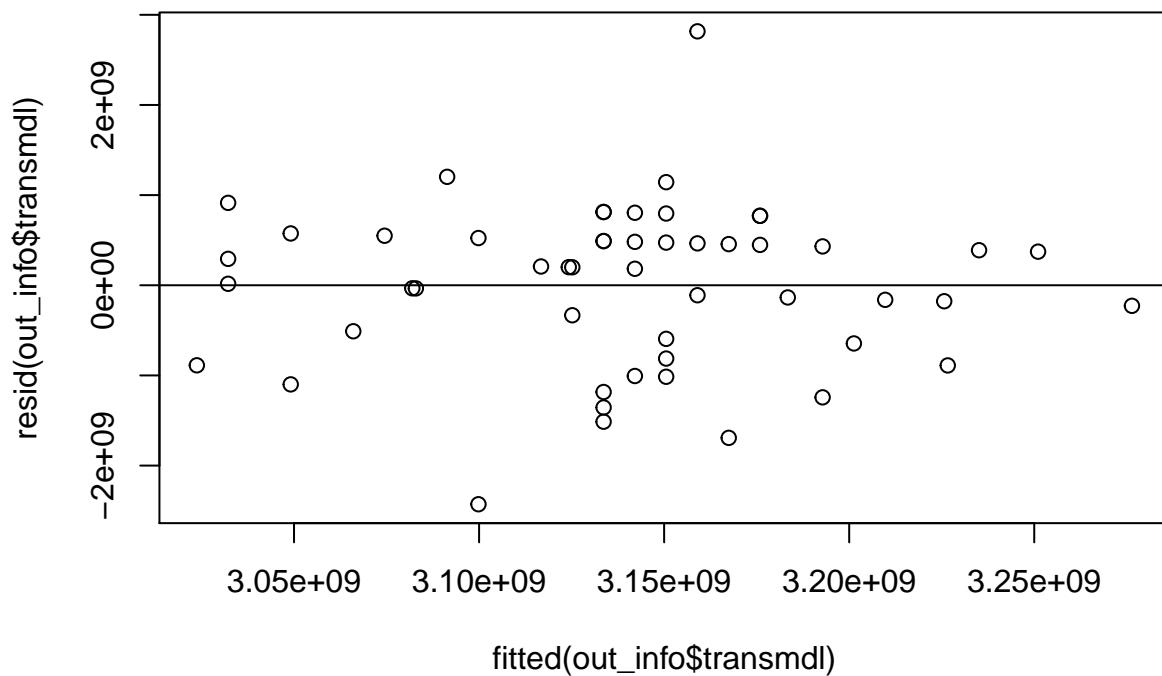
### Normal Q-Q Plot



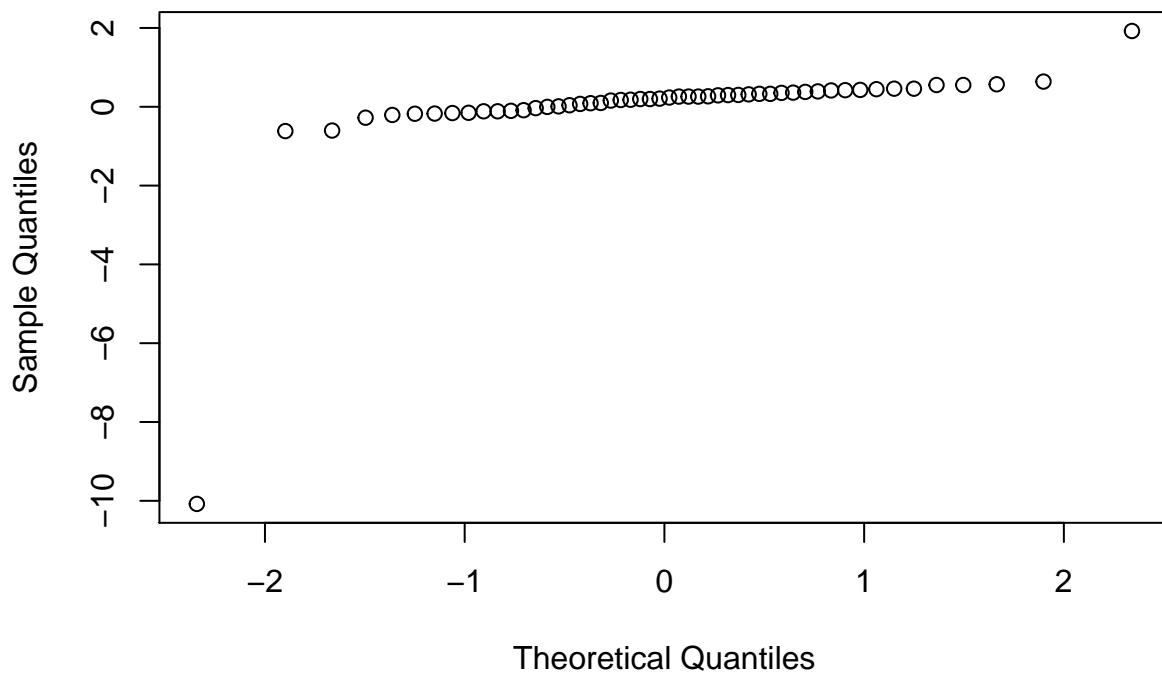
**Plot of PFNAorig+  
Plot of PFNAorigstr.num.fireruns  
Plot of PFNAorigEthnicity**



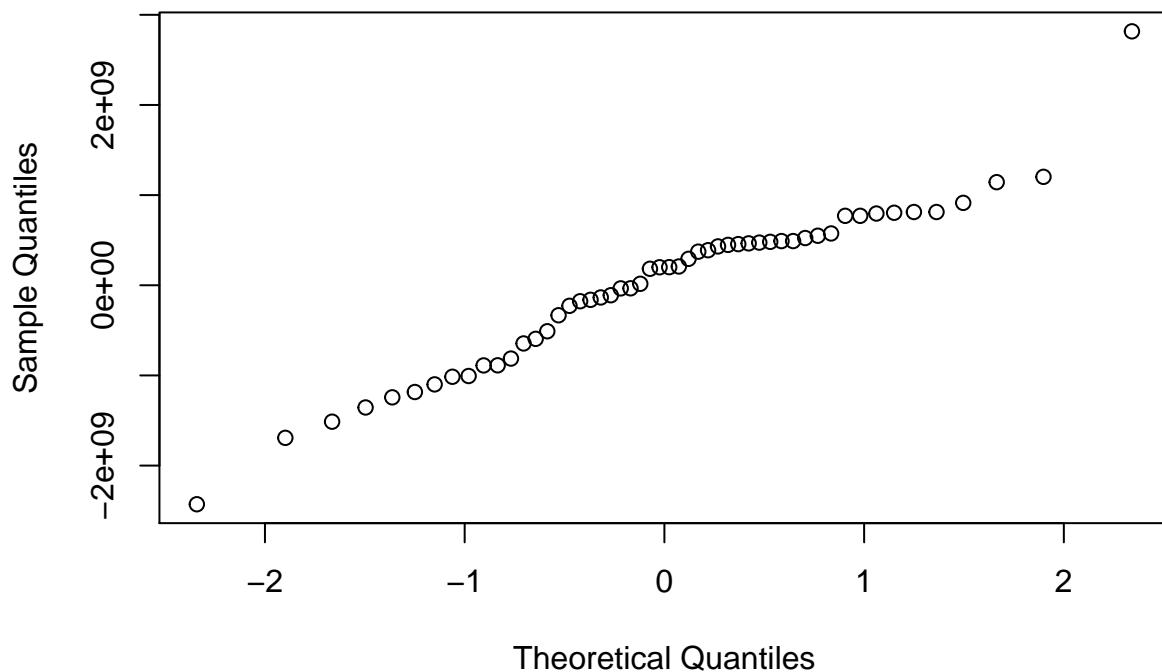
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Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



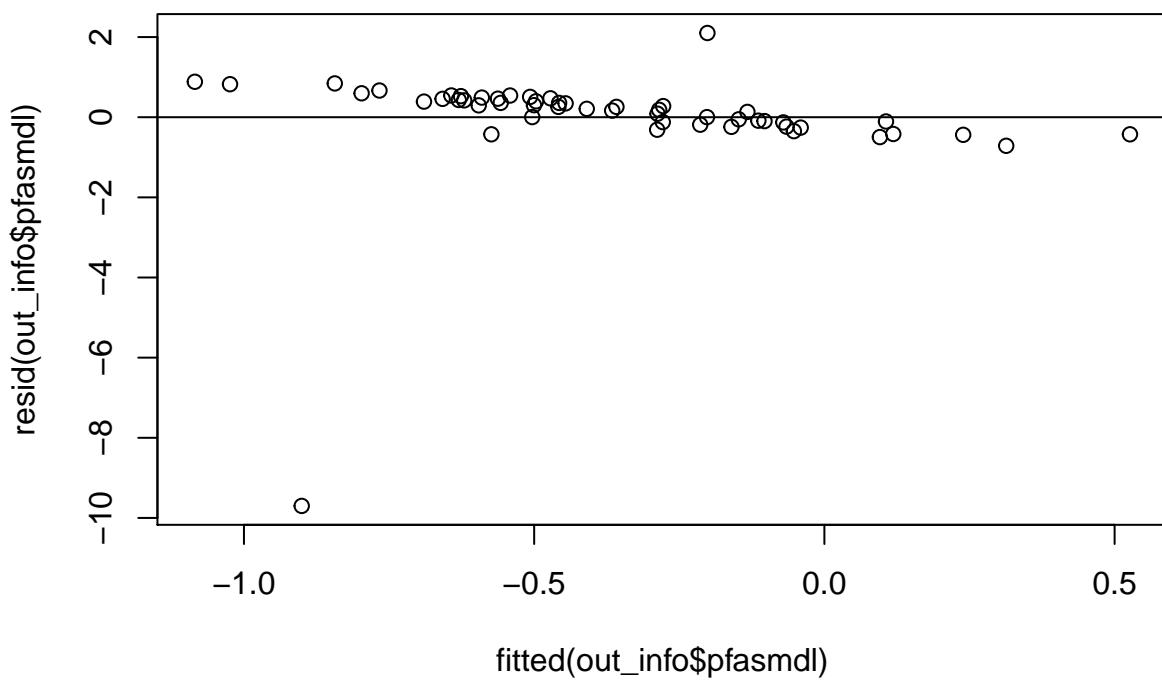
**Normal Q-Q Plot**



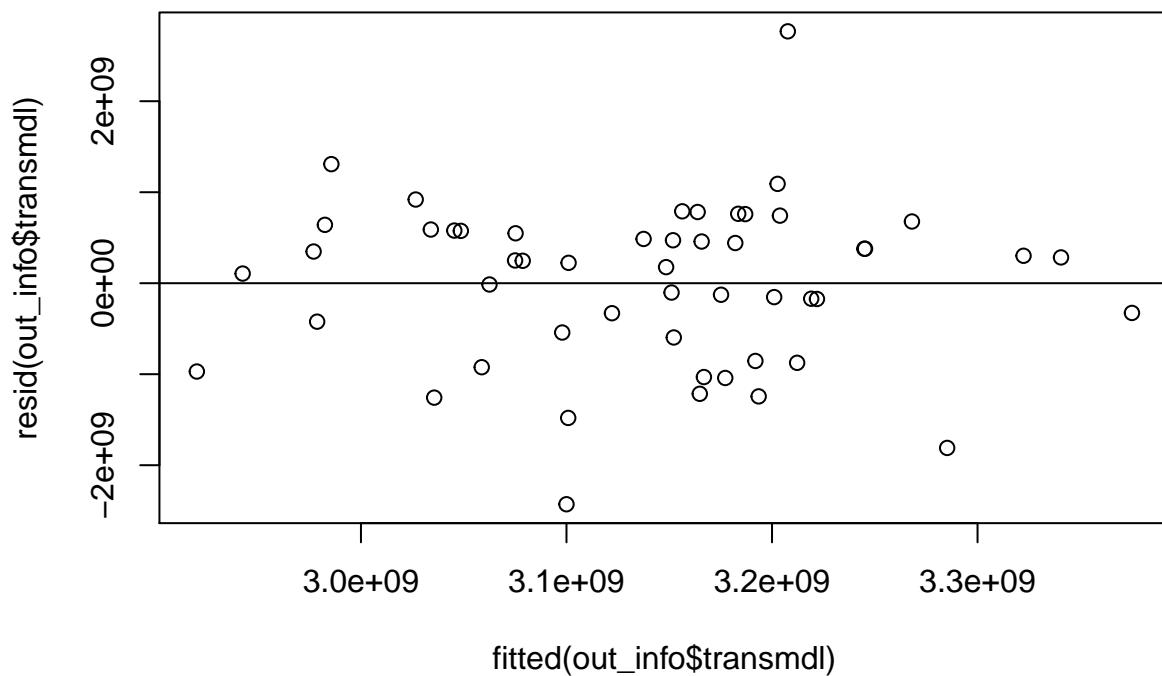
### Normal Q-Q Plot



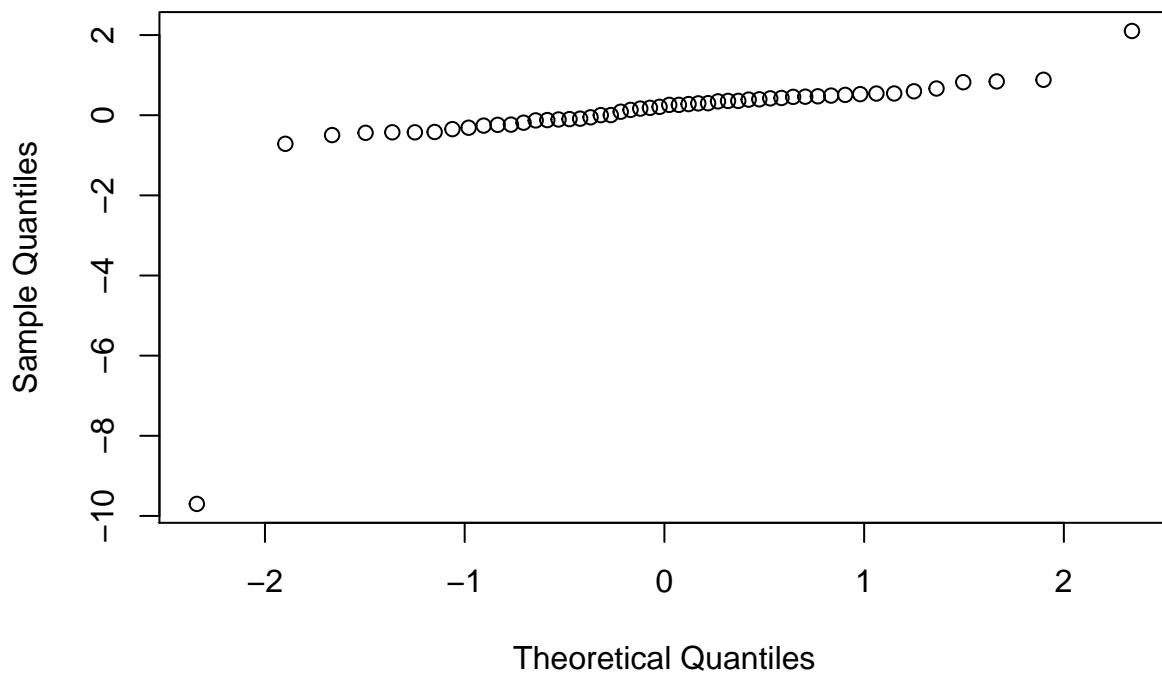
**Plot of PFNAorig+  
Plot of PFNAorigtotal.duration.hrs  
Plot of PFNAorigEthnicity**



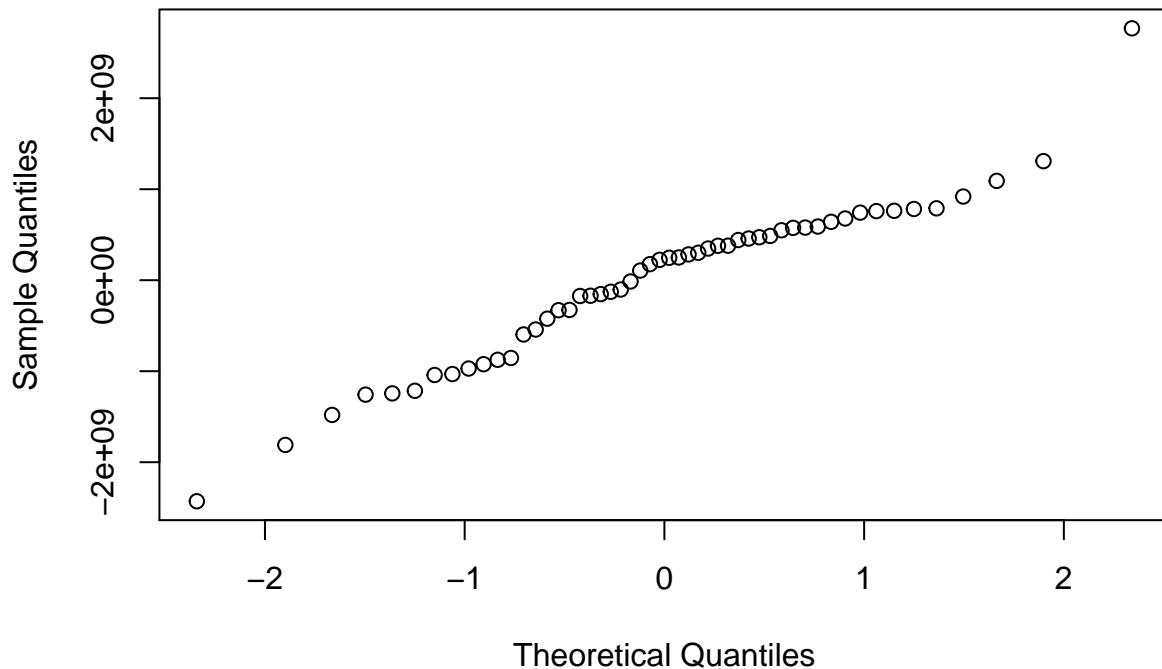
**Plot of SmPFOStrans+  
Plot of SmPFOStrantotal.duration.hrs  
Plot of SmPFOStransEthnicity**



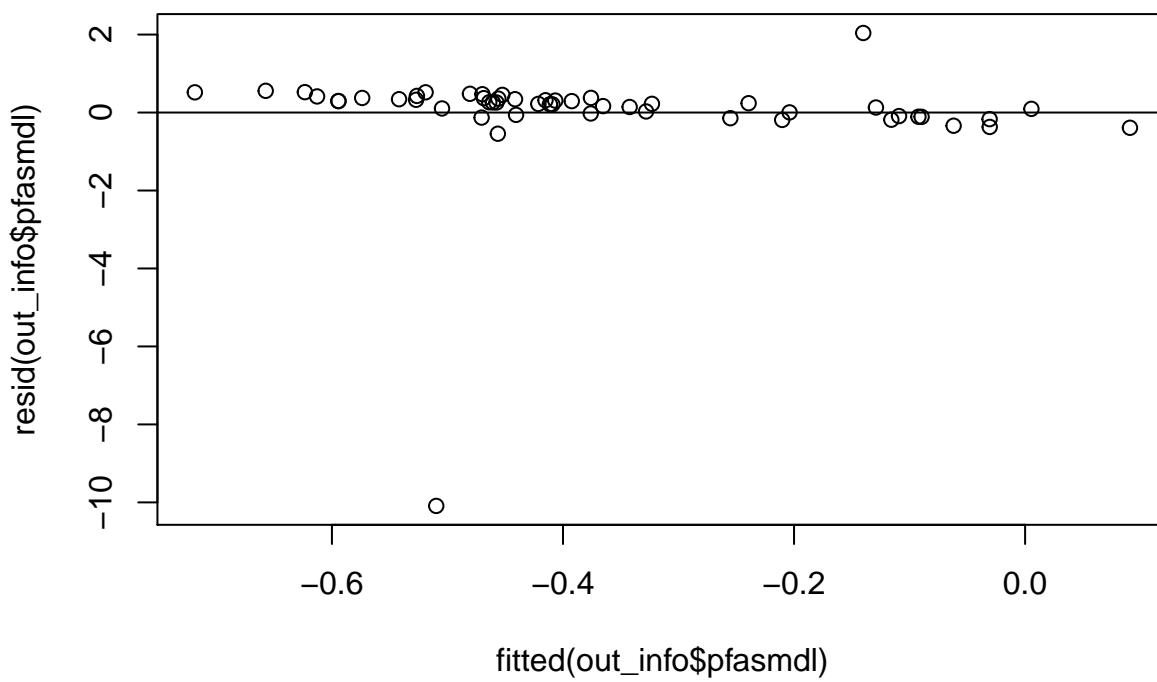
**Normal Q-Q Plot**



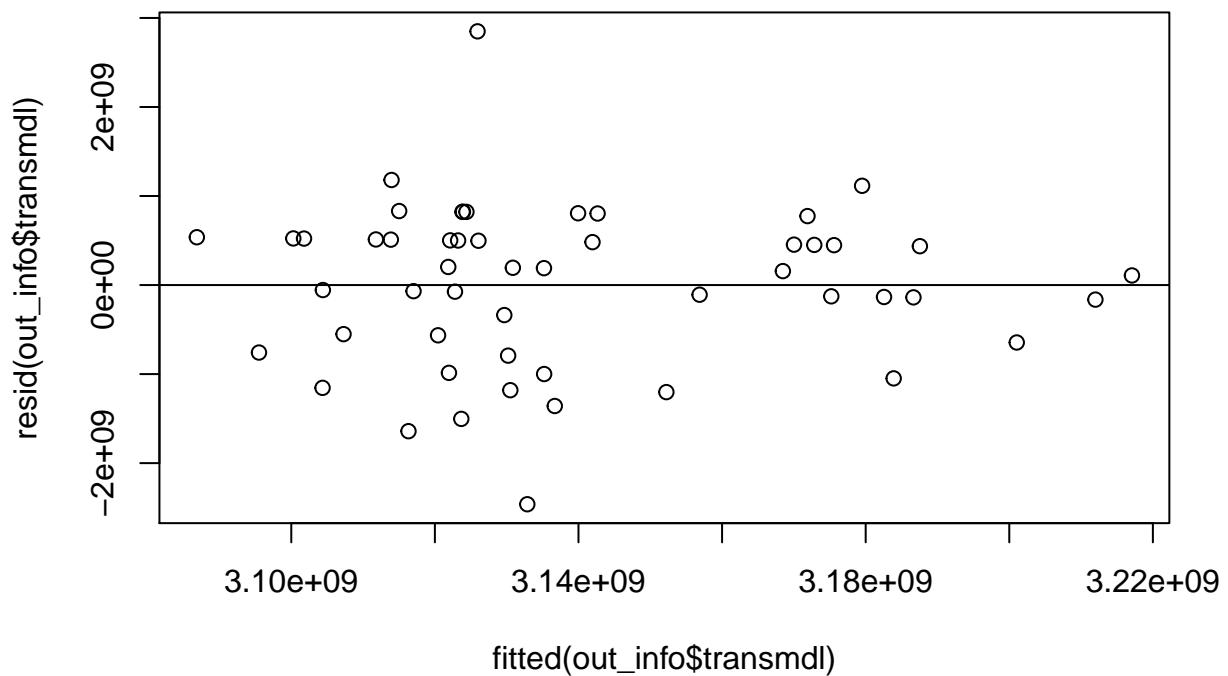
### Normal Q-Q Plot



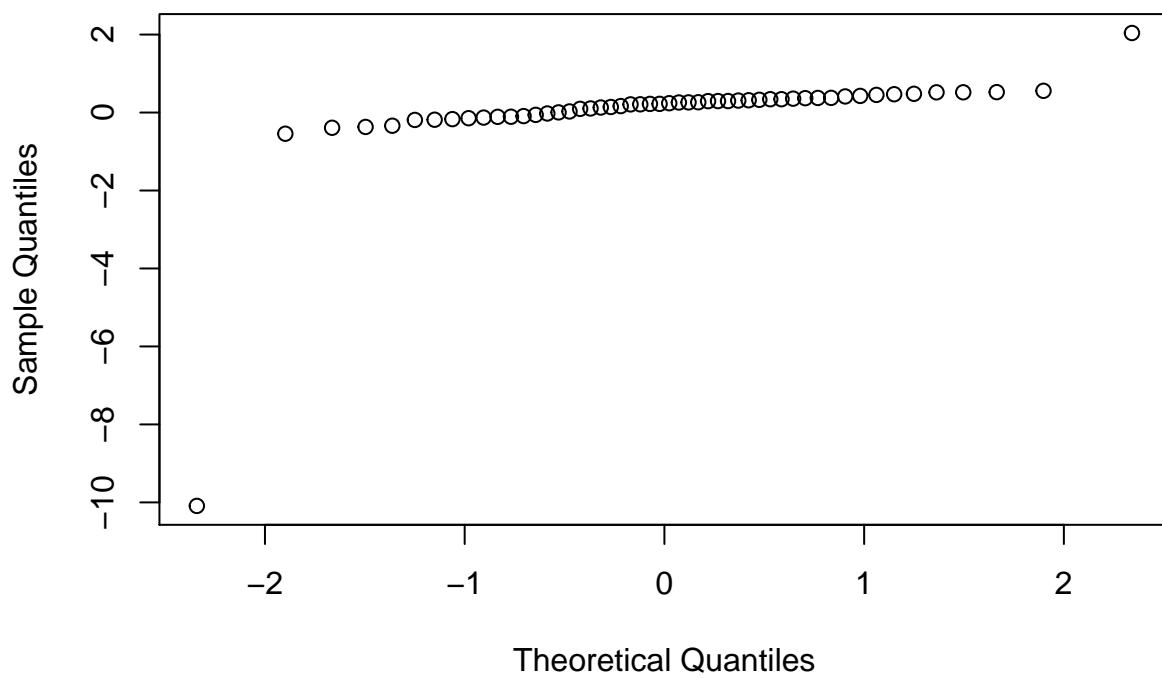
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Plot of PFNAorigstr.duration.hrs  
Plot of PFNAorigEthnicity**



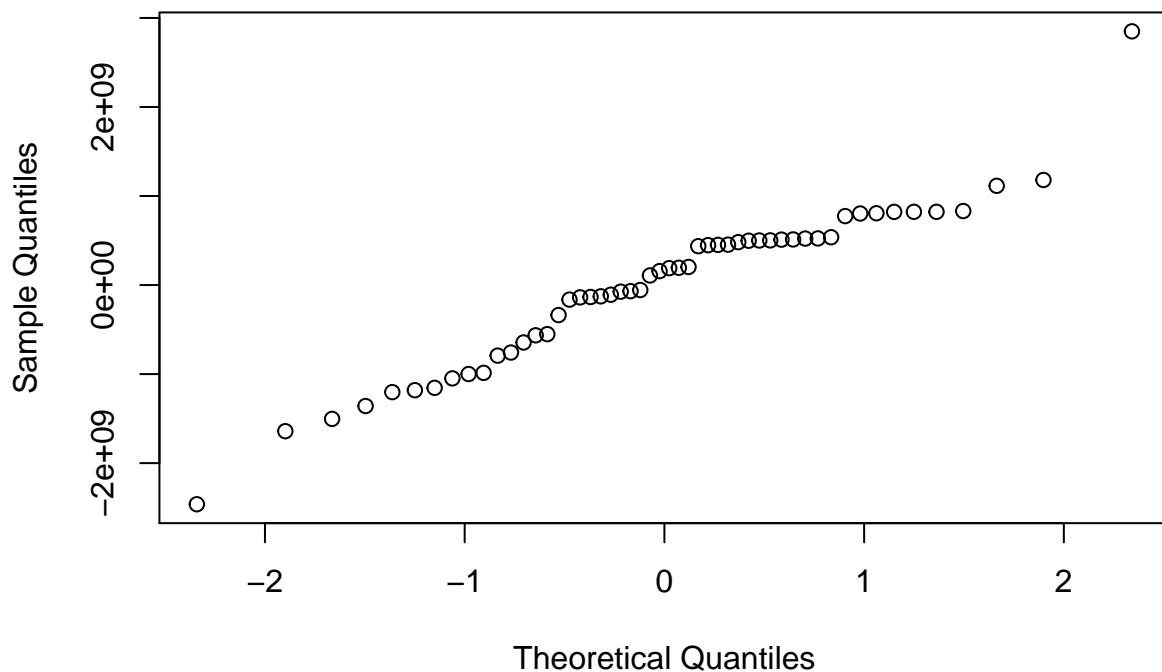
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



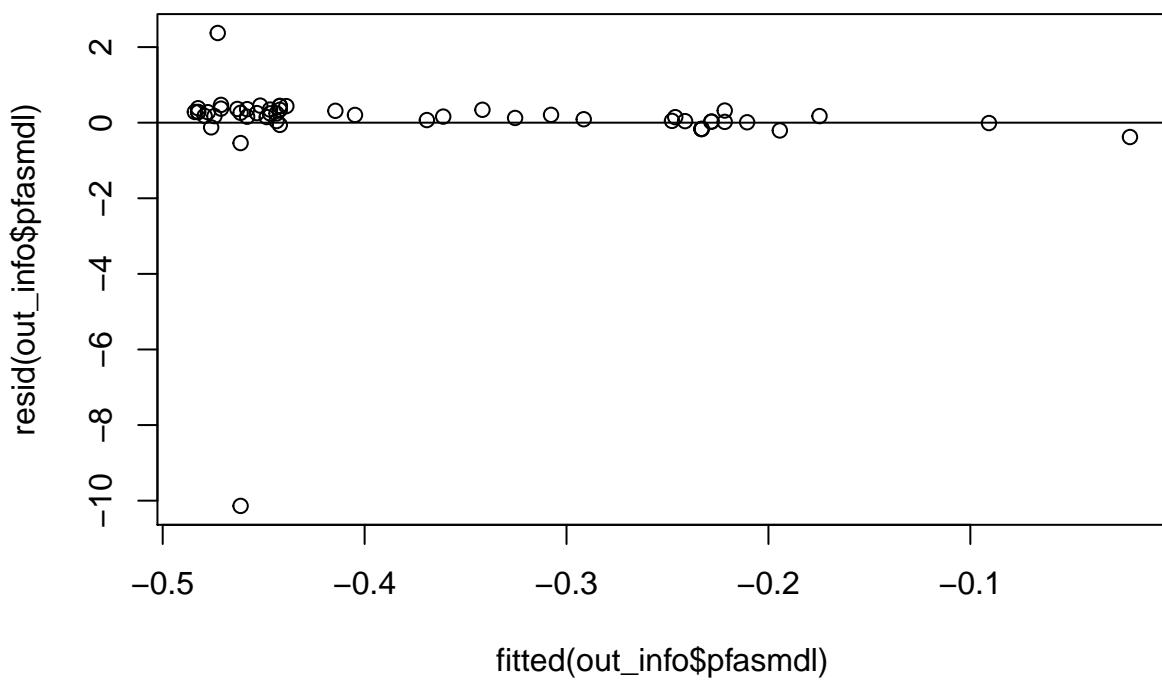
**Normal Q-Q Plot**



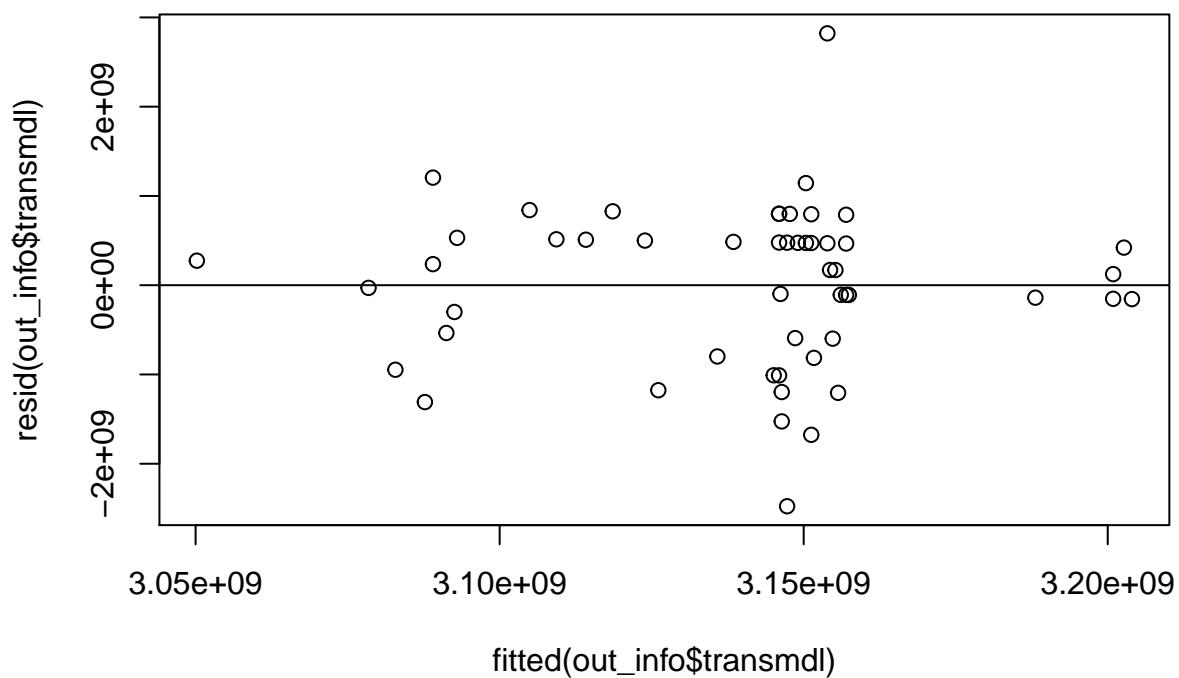
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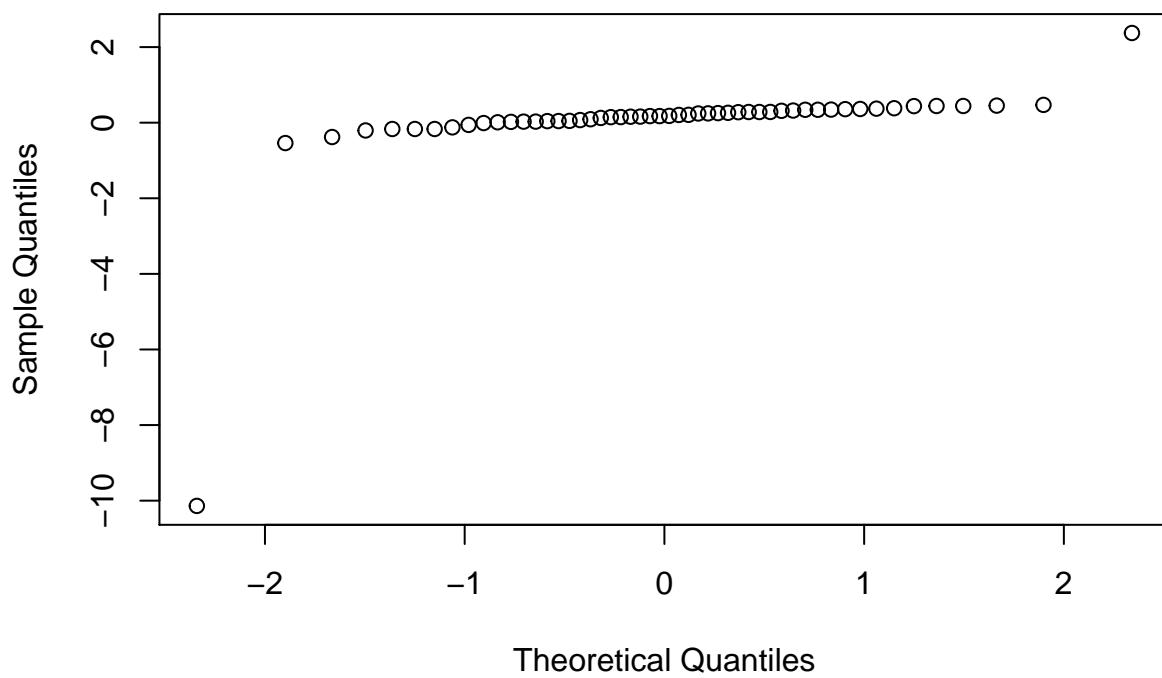
**Plot of PFNAorig+  
Plot of PFNAorigdays.since.MRF  
Plot of PFNAorigEthnicity**



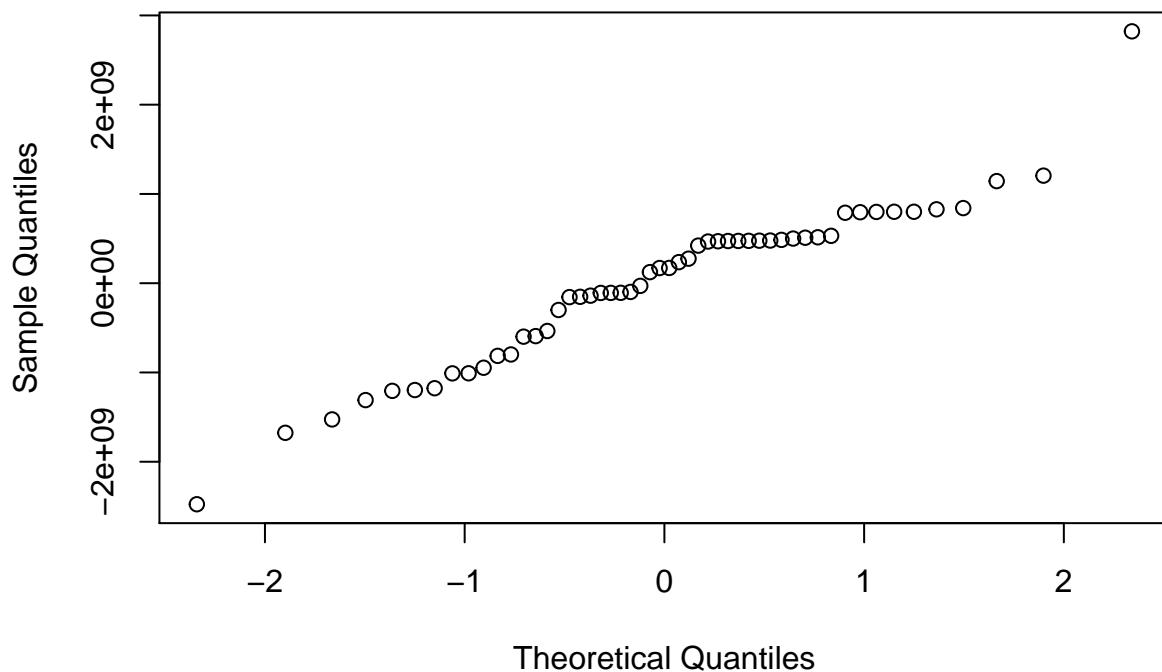
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**



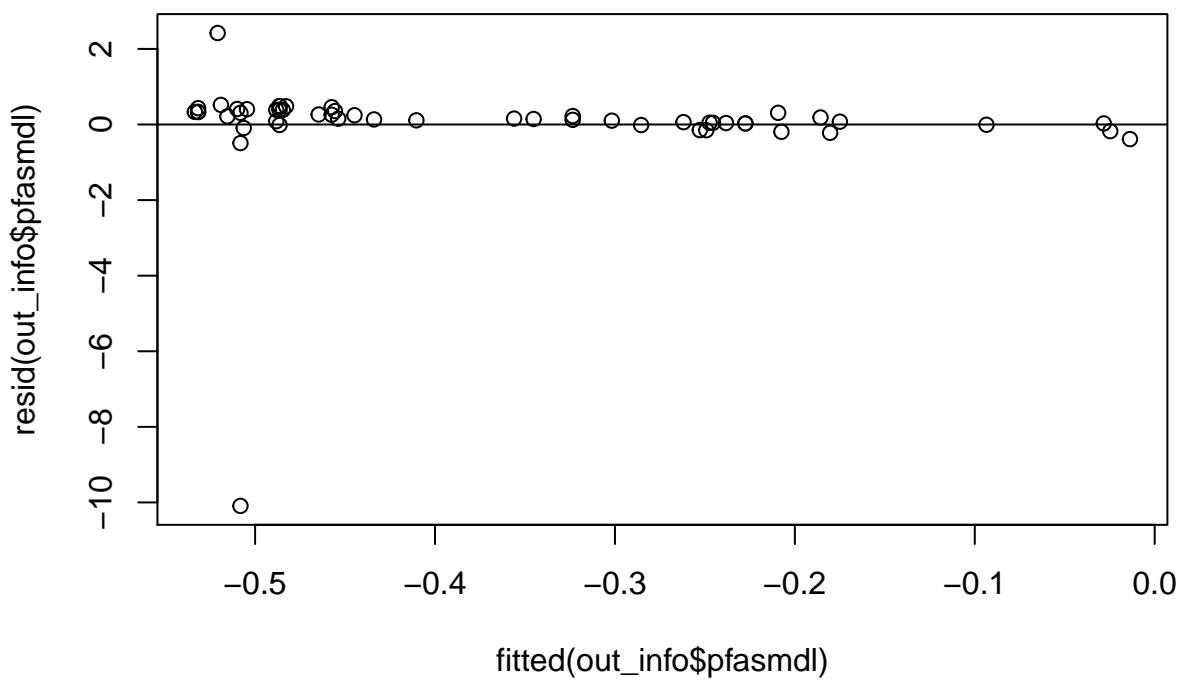
**Normal Q-Q Plot**



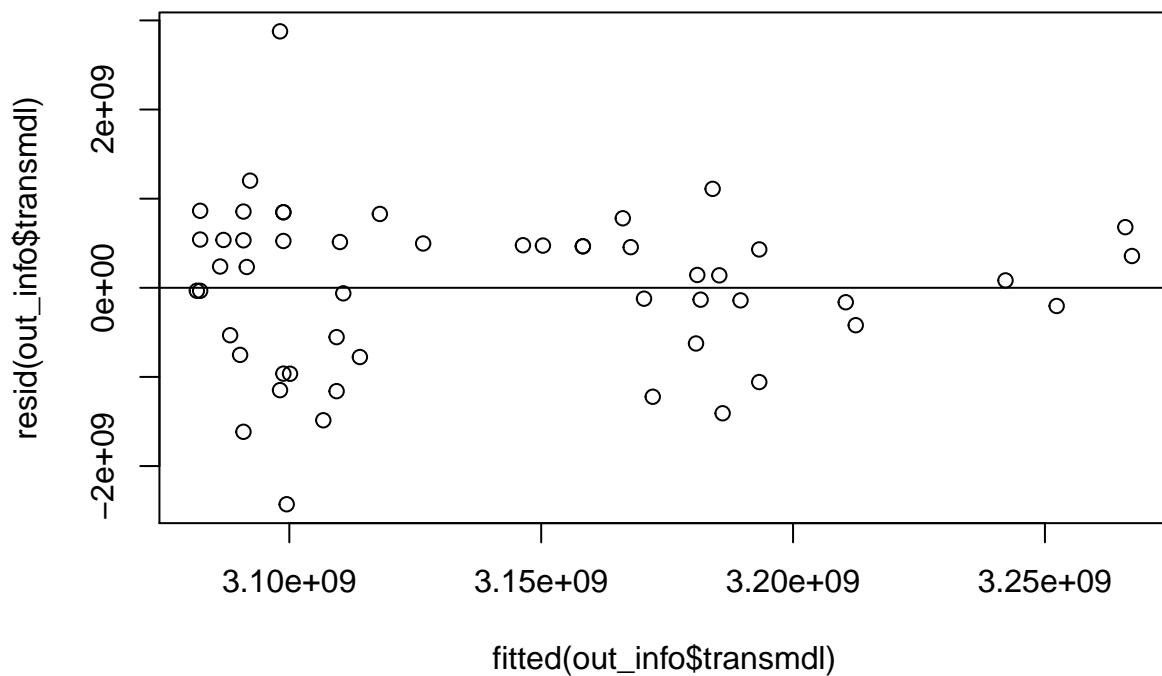
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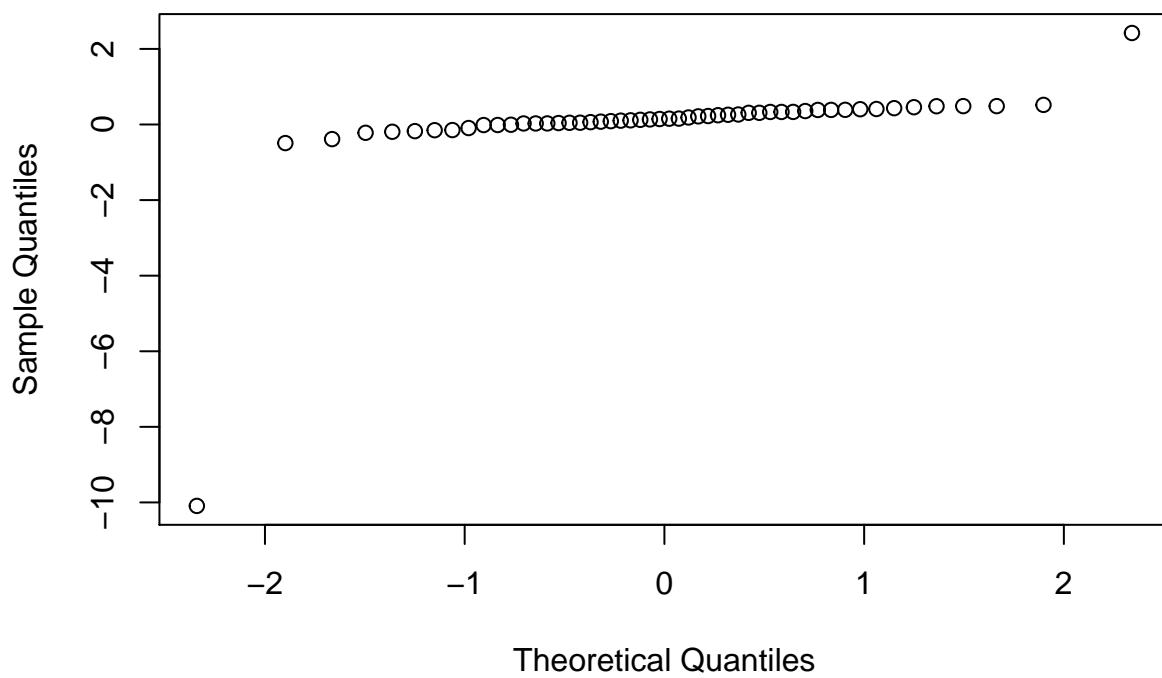
**Plot of PFNAorig+**  
**Plot of PFNAorigdays.since.struc.MRF**  
**Plot of PFNAorigEthnicity**



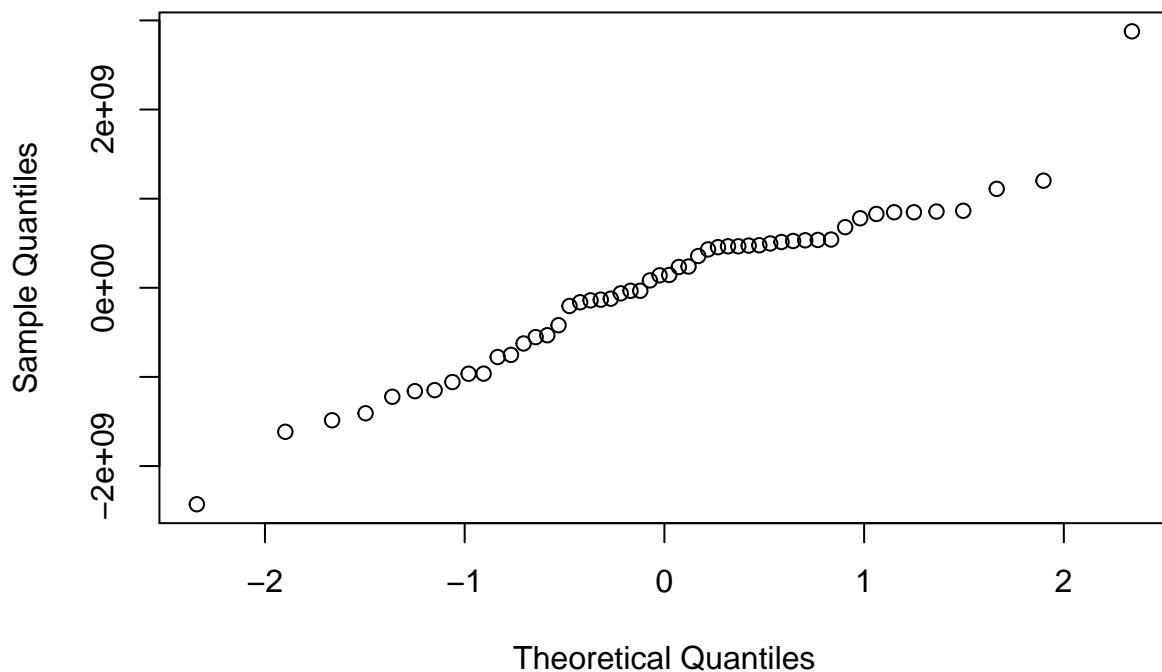
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



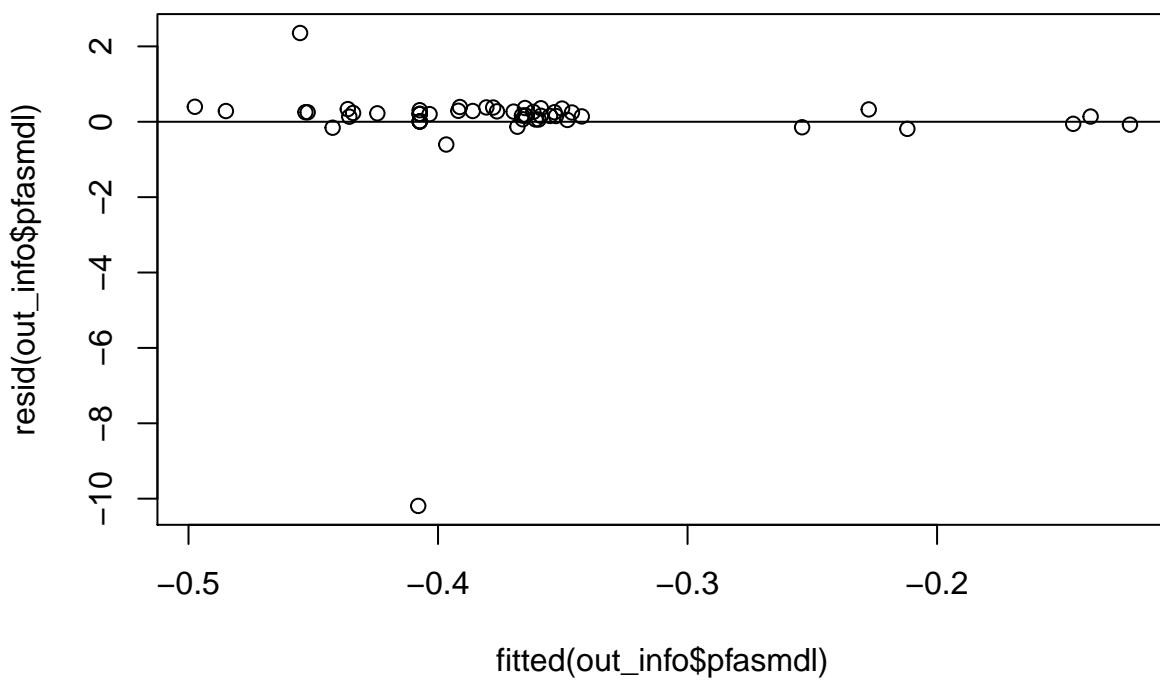
**Normal Q-Q Plot**



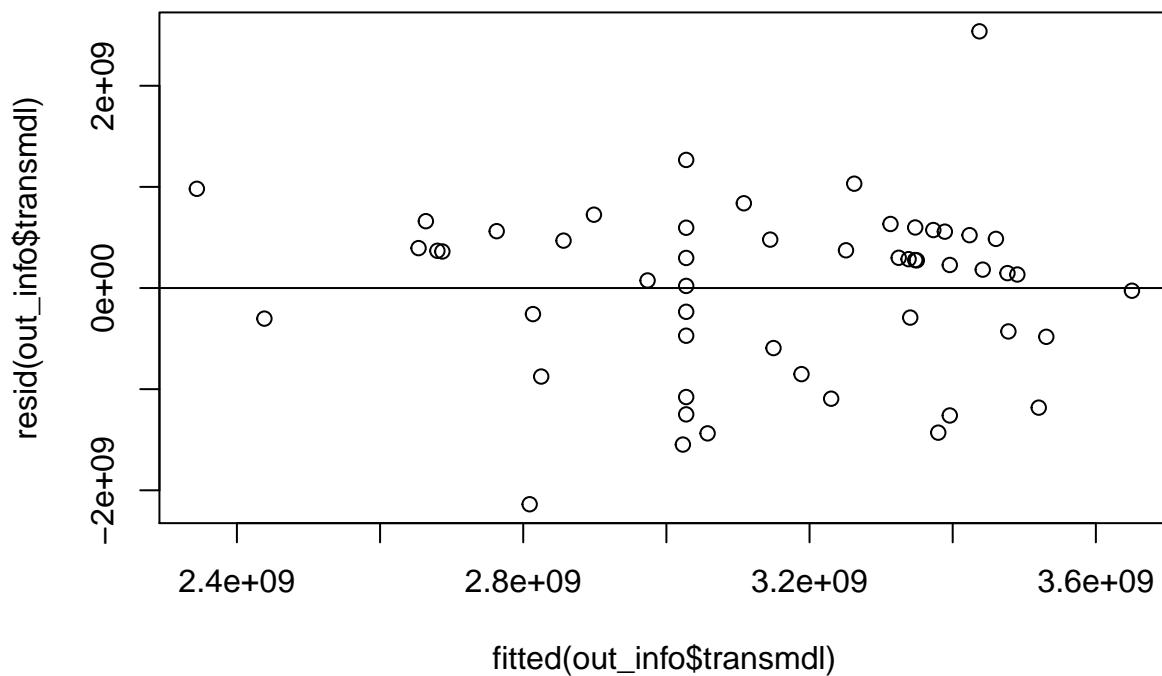
### Normal Q-Q Plot



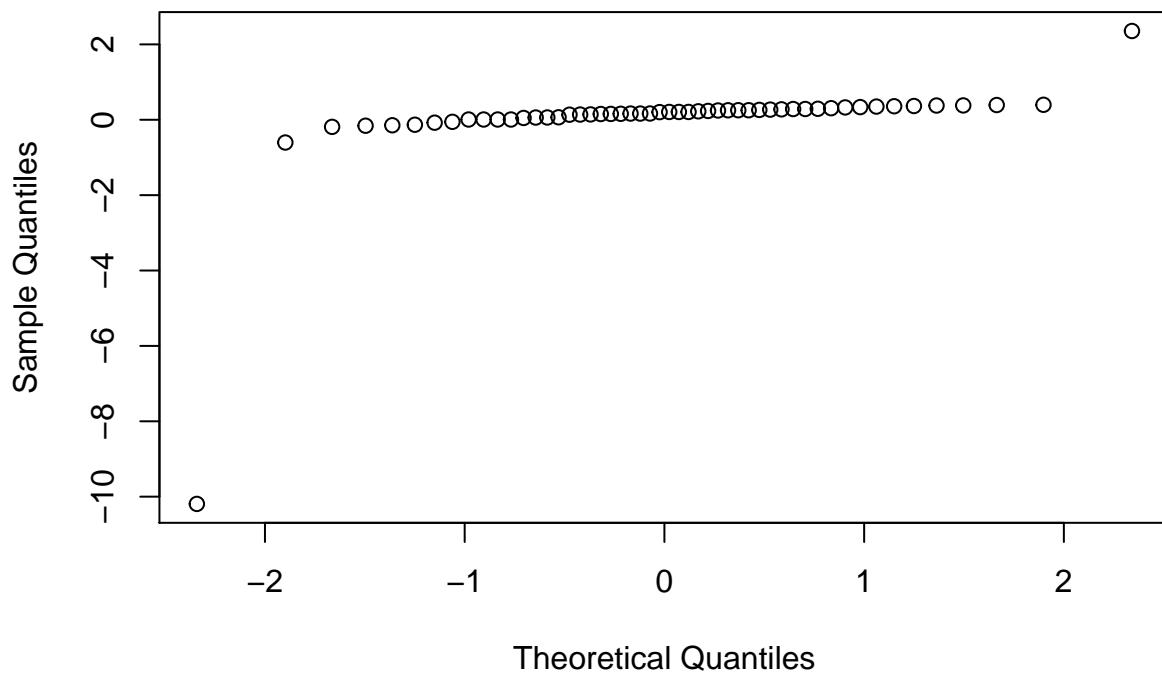
Plot of PFNAorig+  
Plot of PFNAorigtime.since.baseline  
Plot of PFNAorigEthnicity



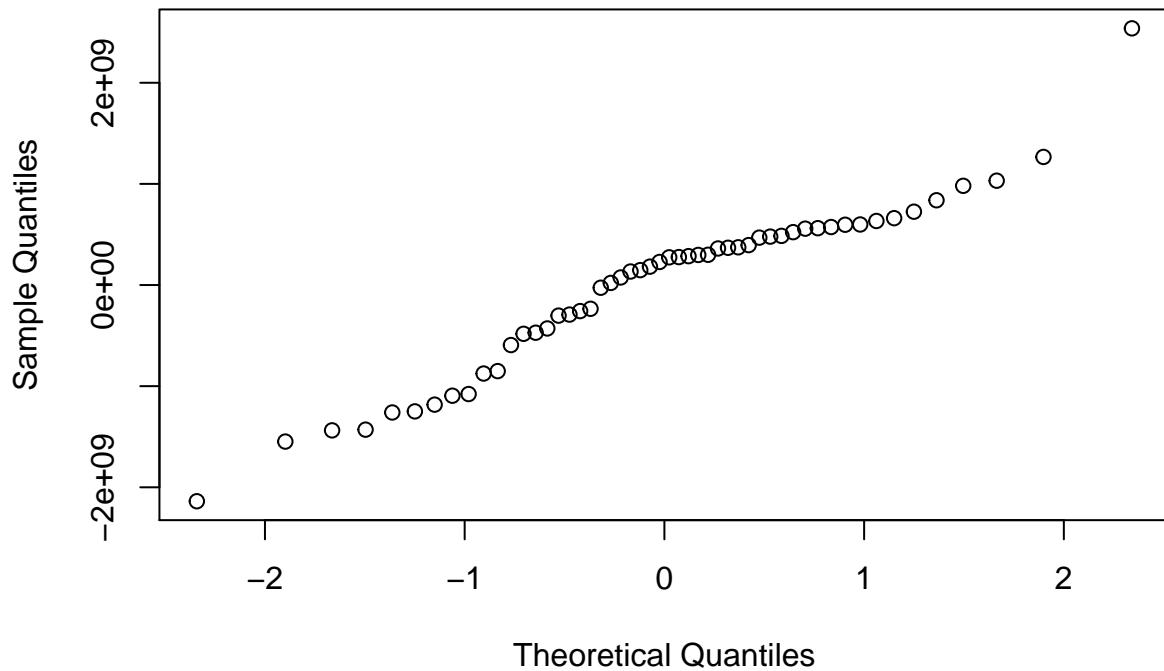
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



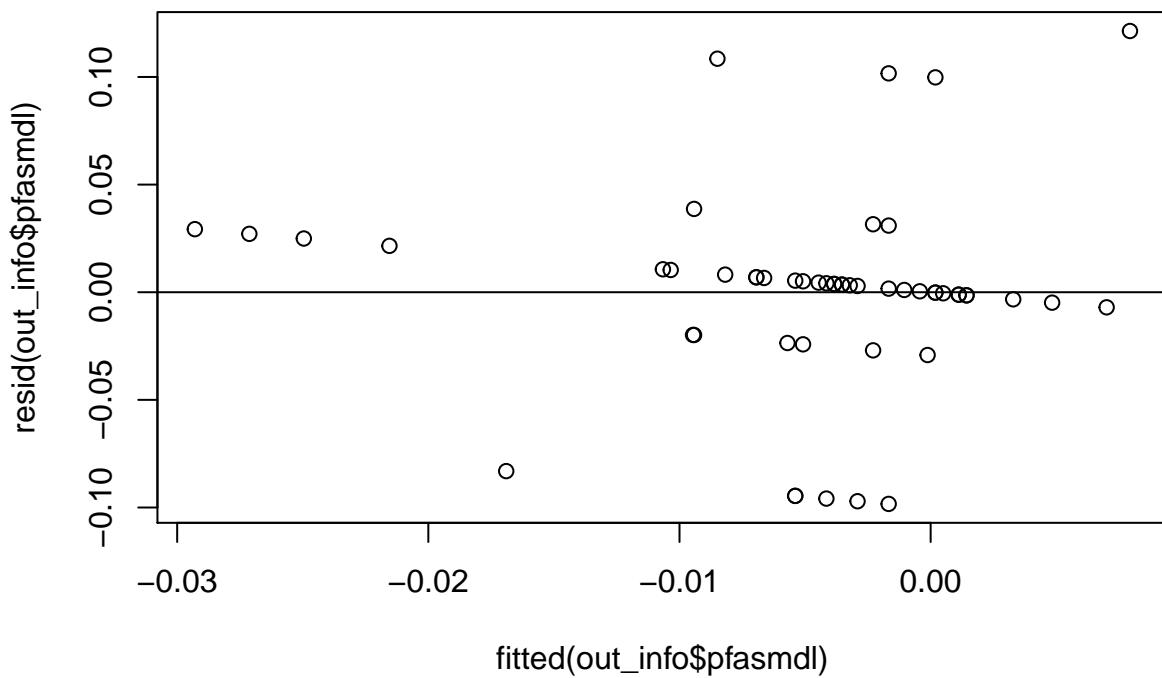
**Normal Q-Q Plot**



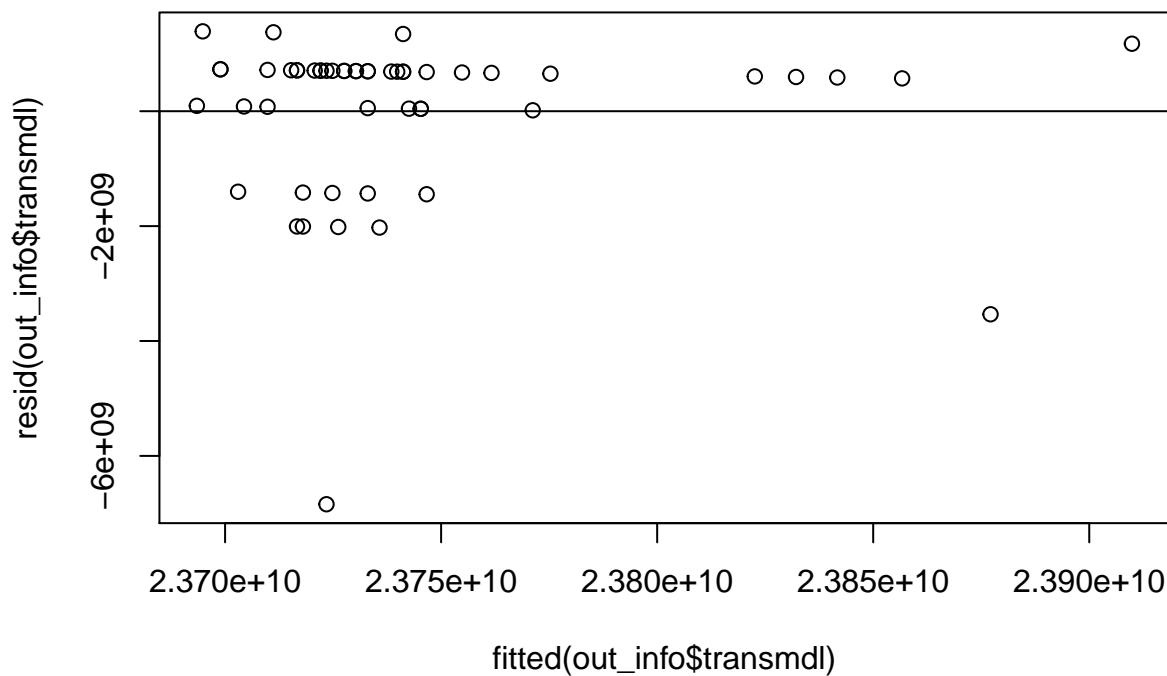
### Normal Q-Q Plot



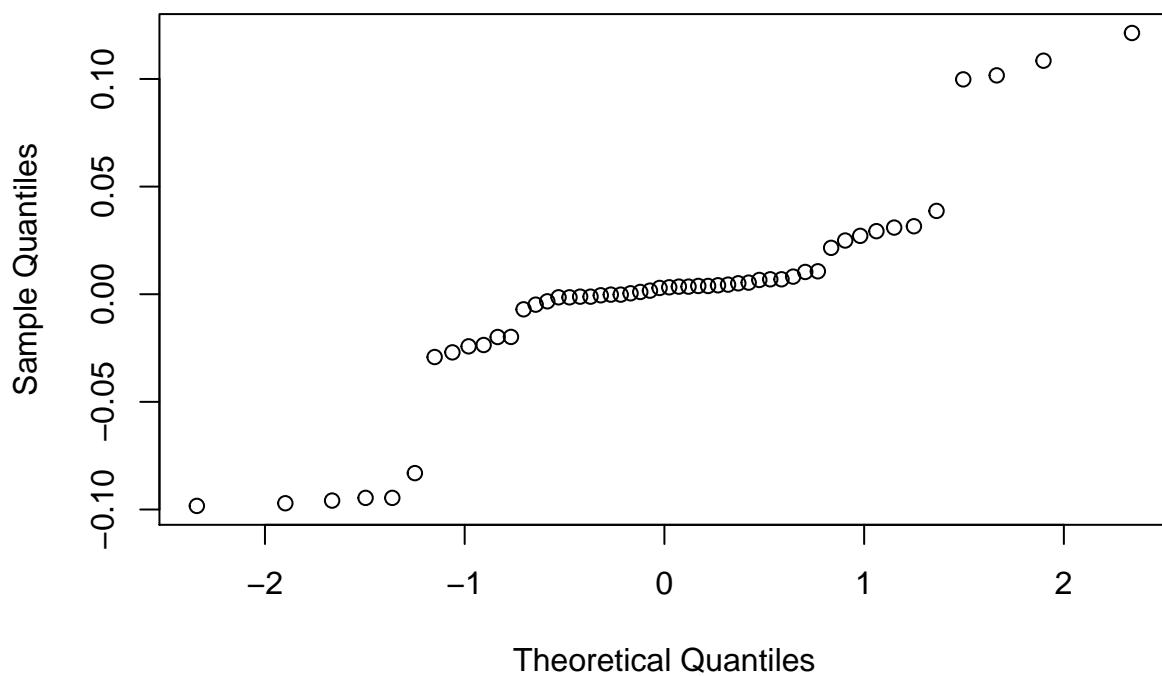
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



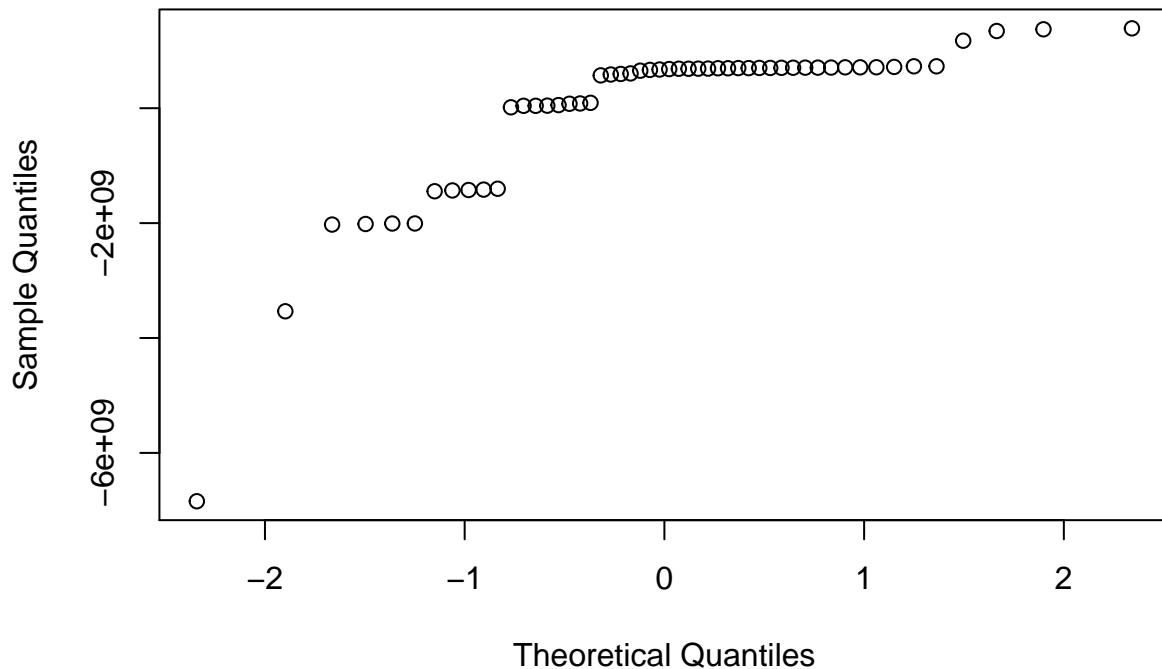
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



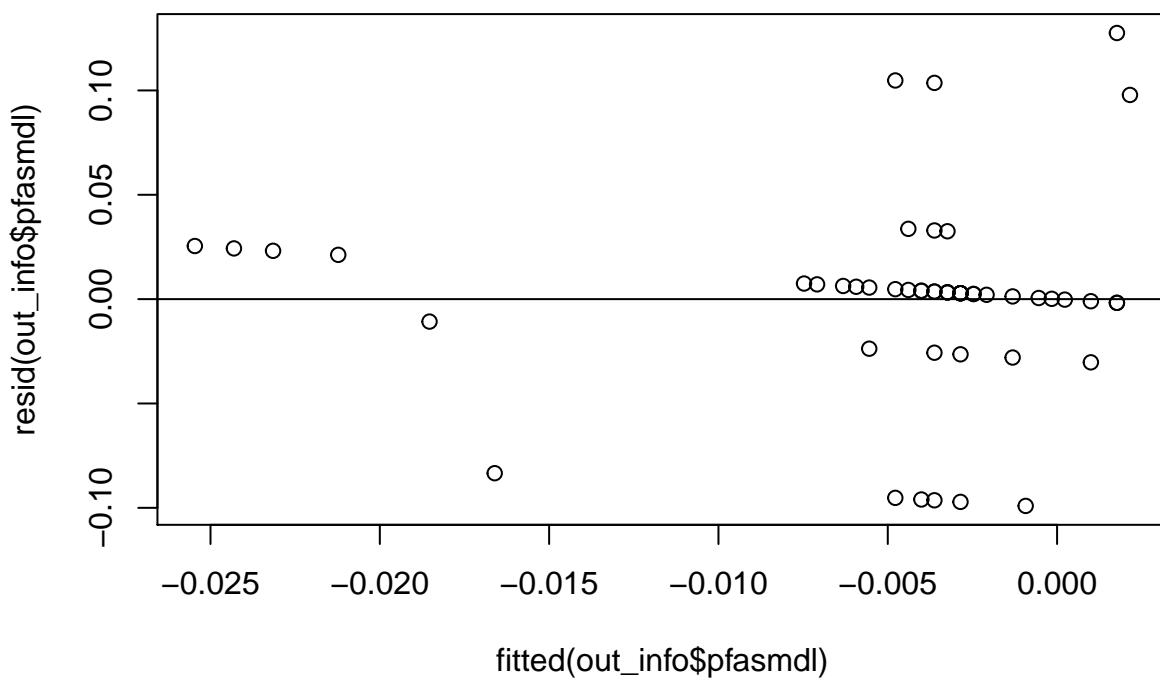
**Normal Q-Q Plot**



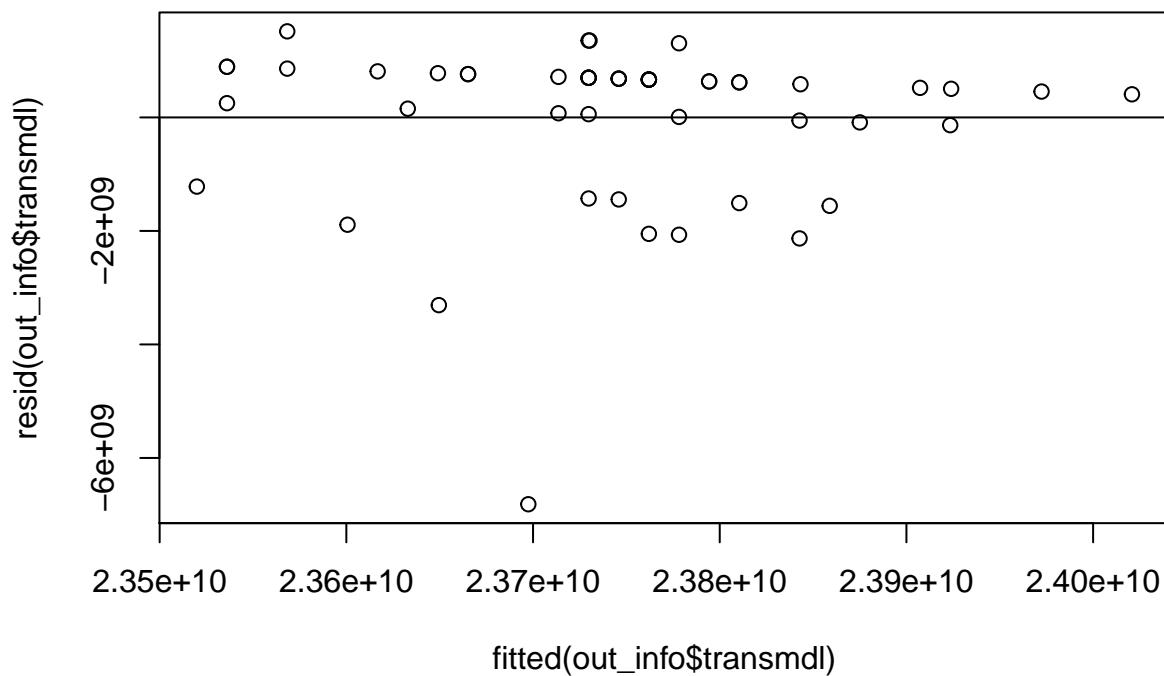
### Normal Q-Q Plot



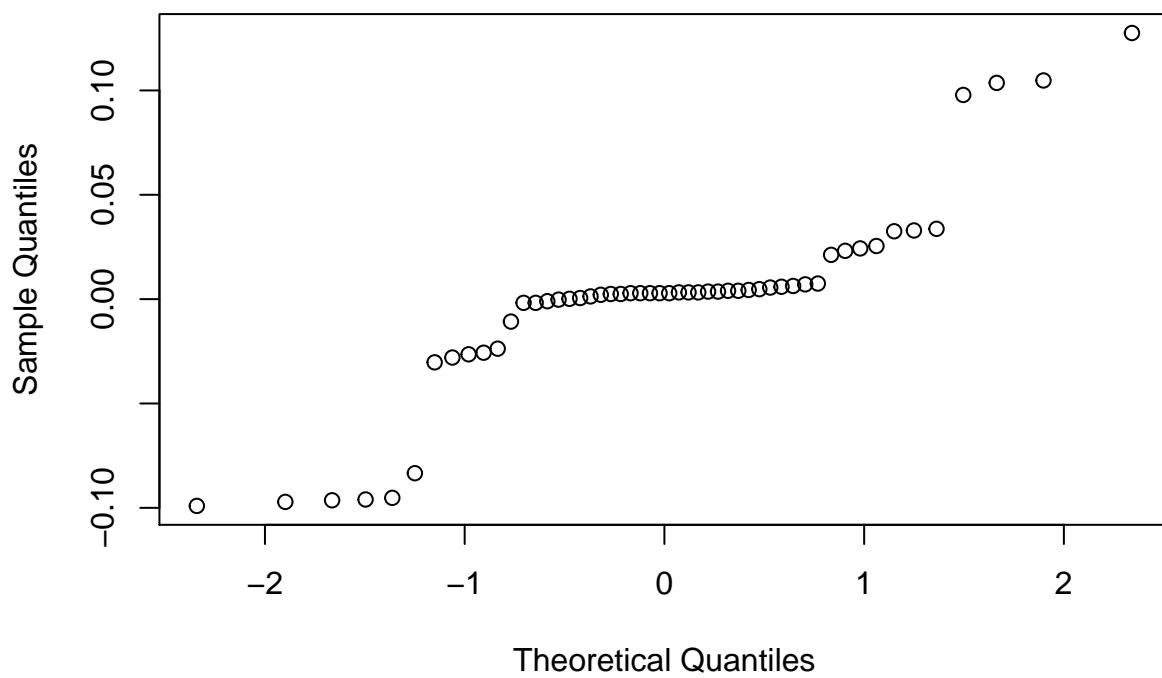
Plot of PFUAorig+  
Plot of PFUAorigstr.num.fireruns  
Plot of PFUAorigEthnicity



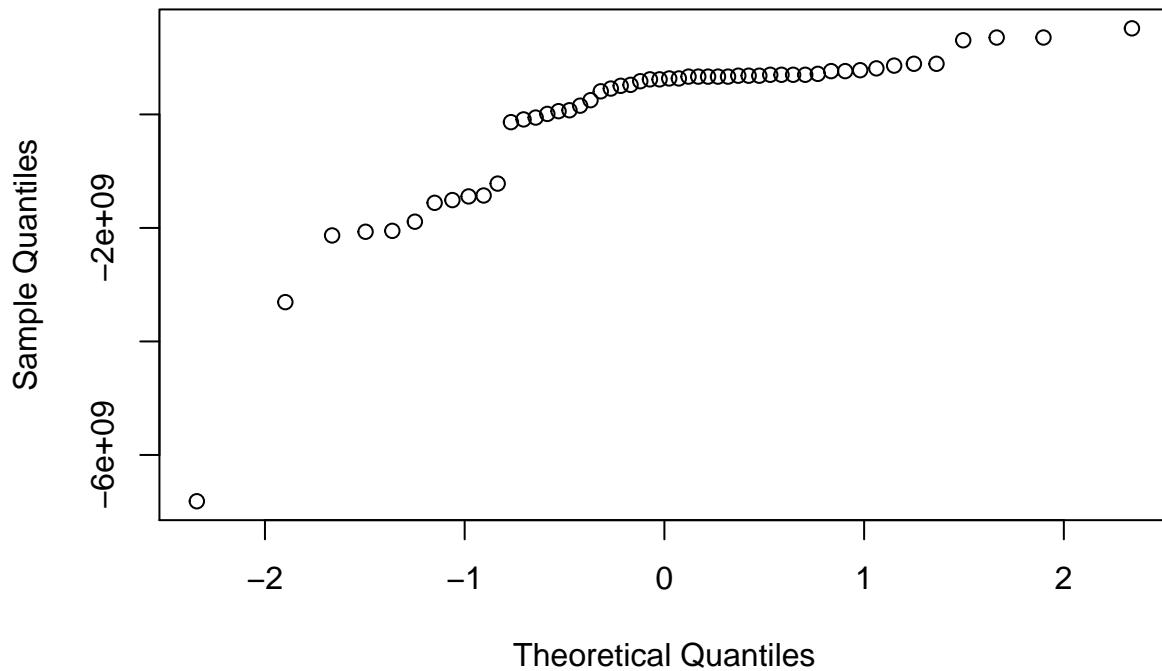
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Plot of PFOSAtransstr.num.fireruns  
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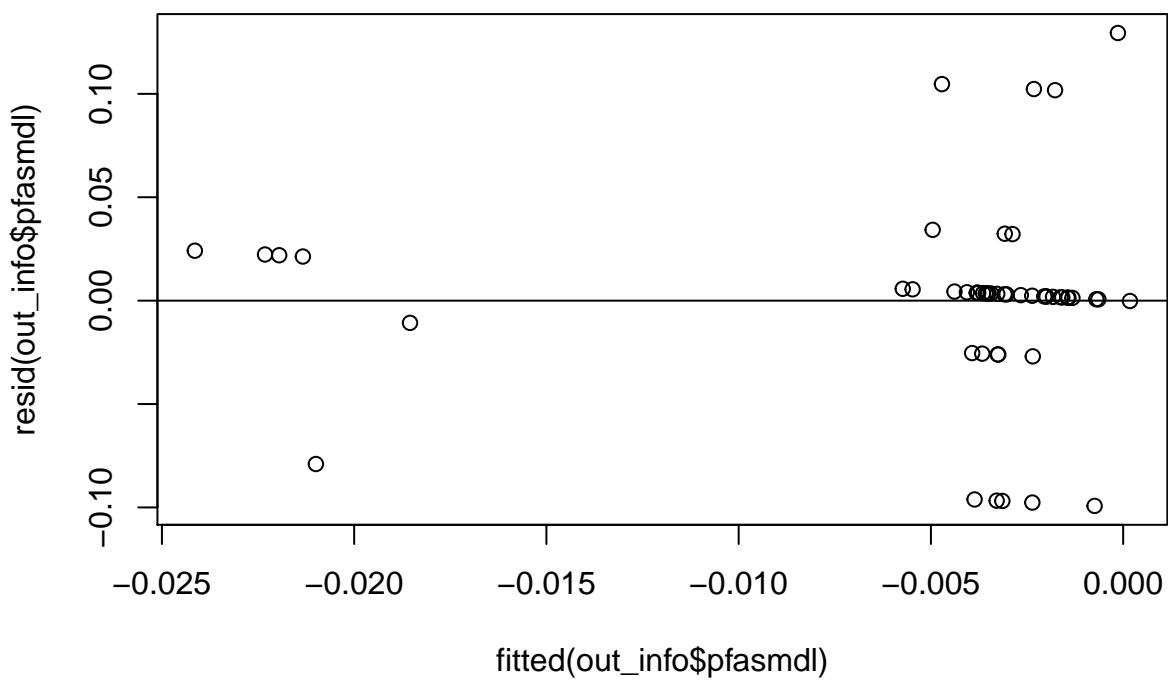
**Normal Q-Q Plot**



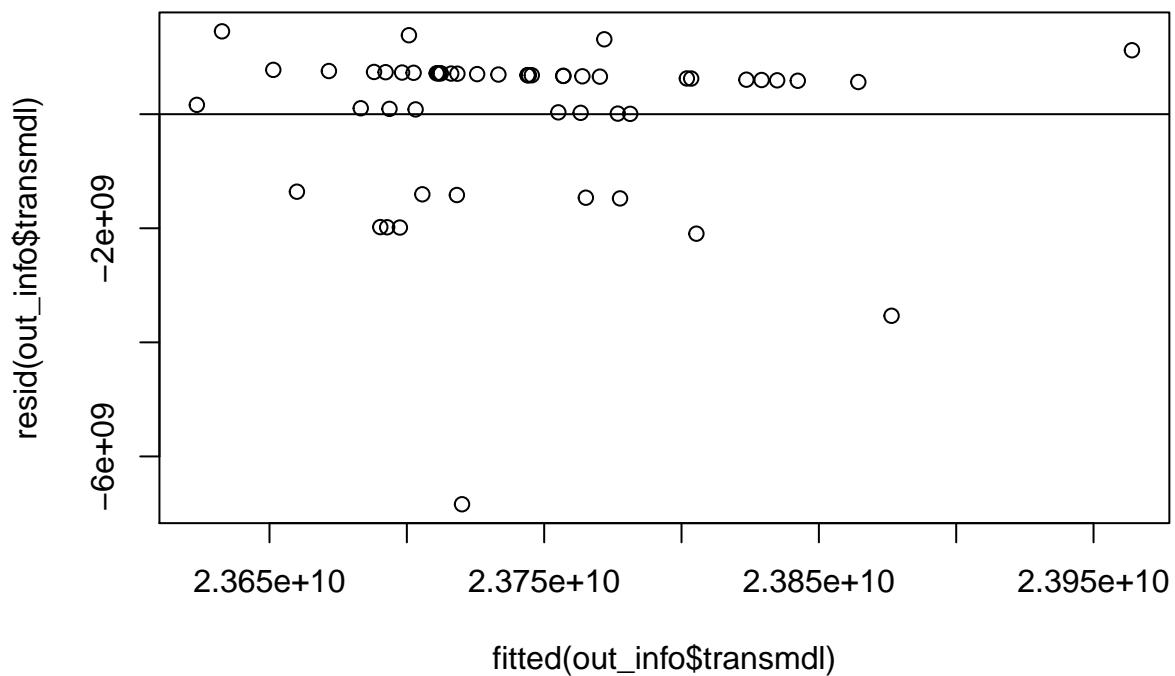
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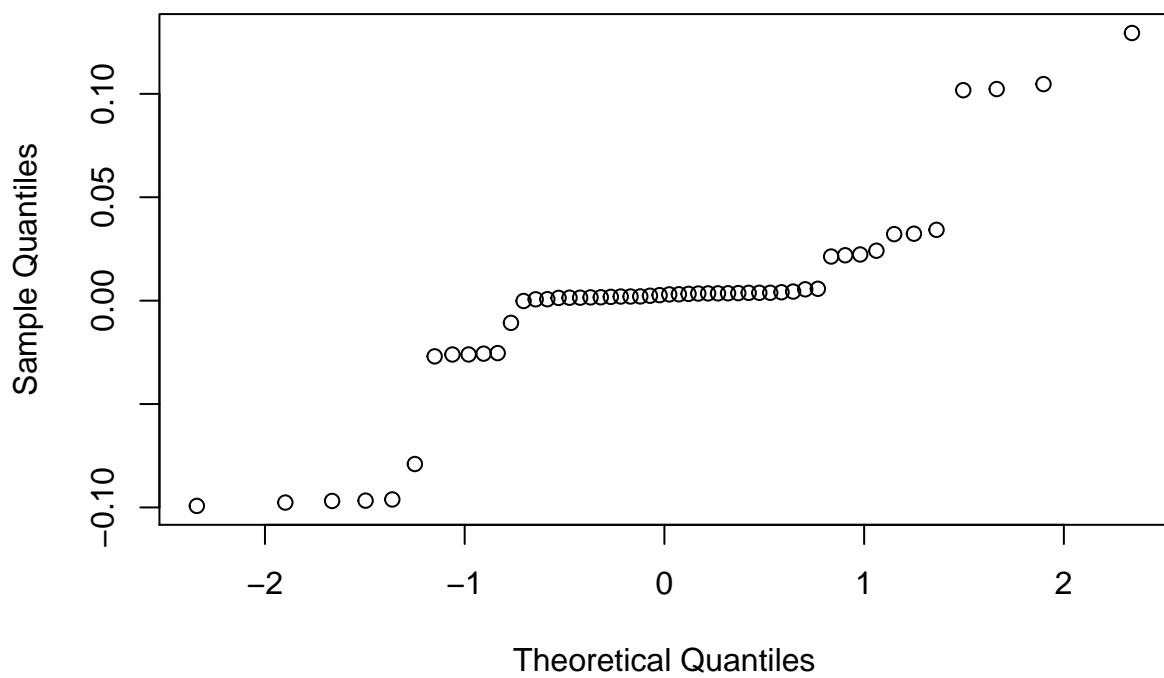
**Plot of PFUAorig+  
Plot of PFUAorigtotal.duration.hrs  
Plot of PFUAorigEthnicity**



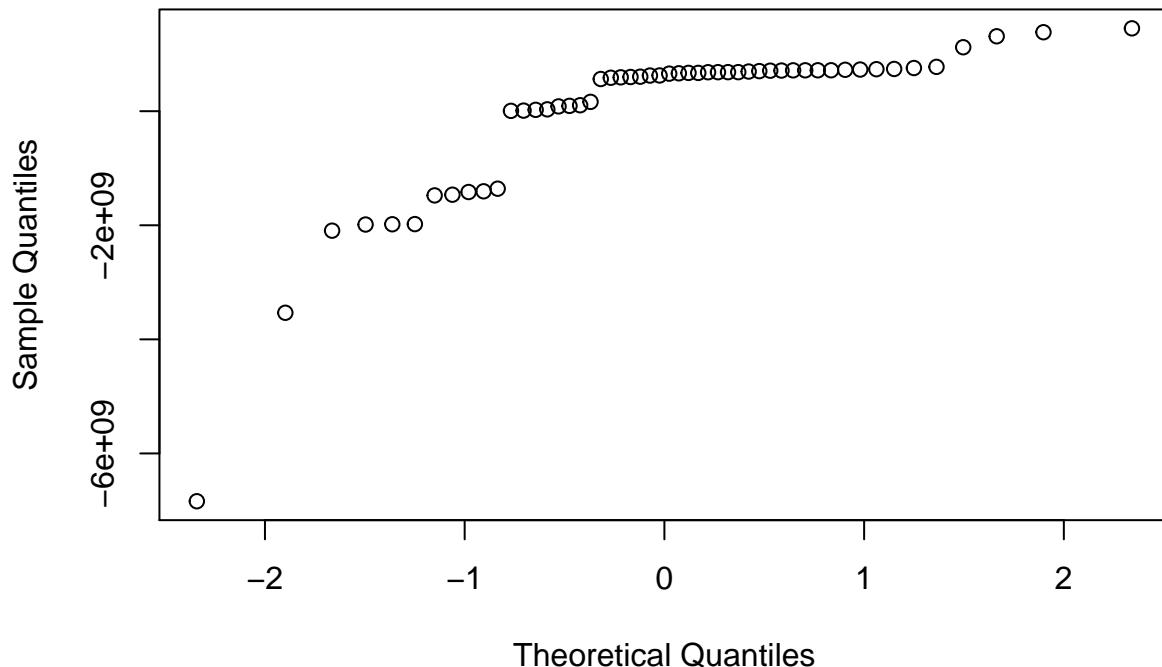
**Plot of PFOSAtrans+  
Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



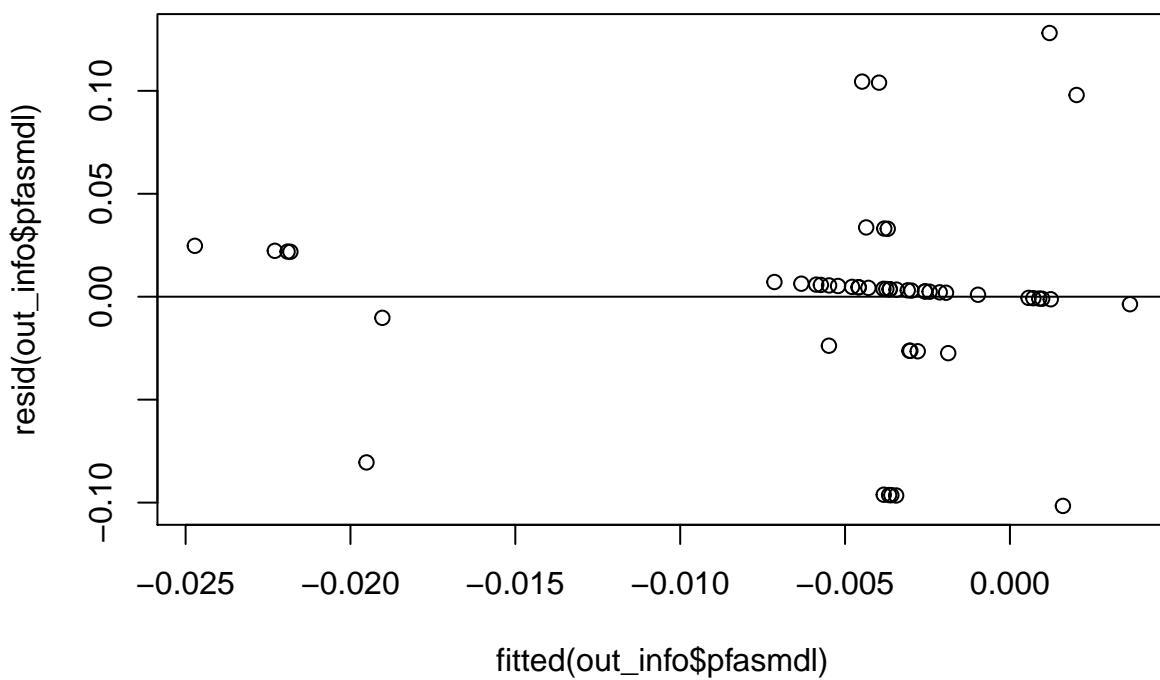
**Normal Q-Q Plot**



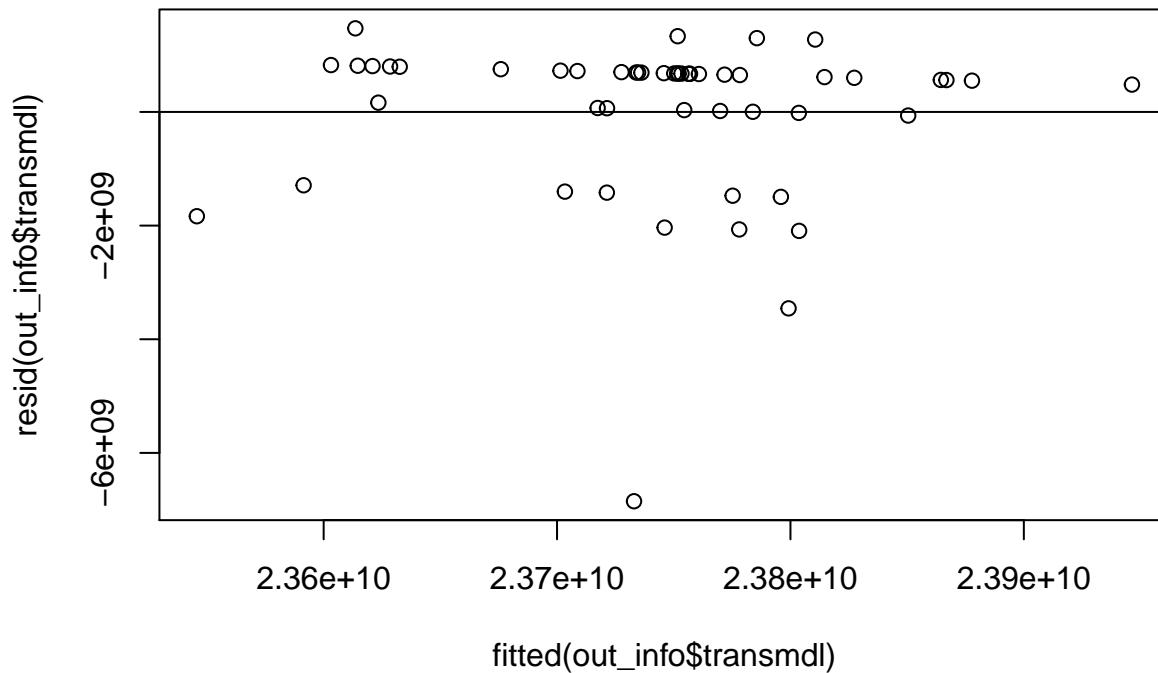
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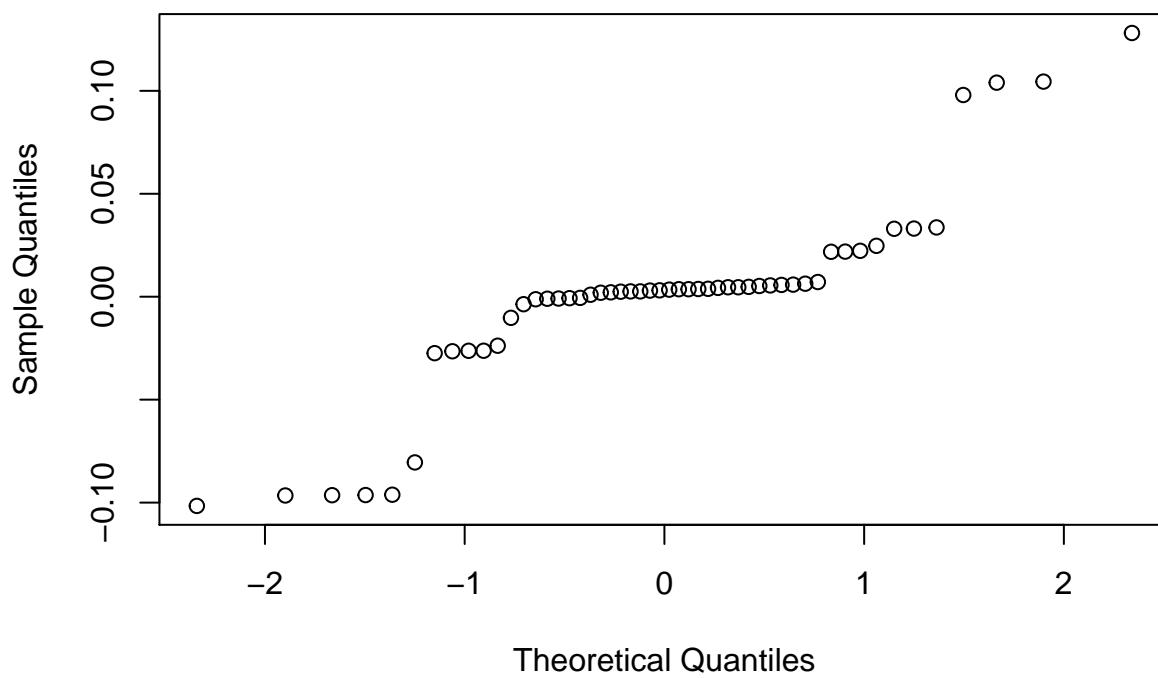
Plot of PFUAorig+  
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Plot of PFUAorigEthnicity



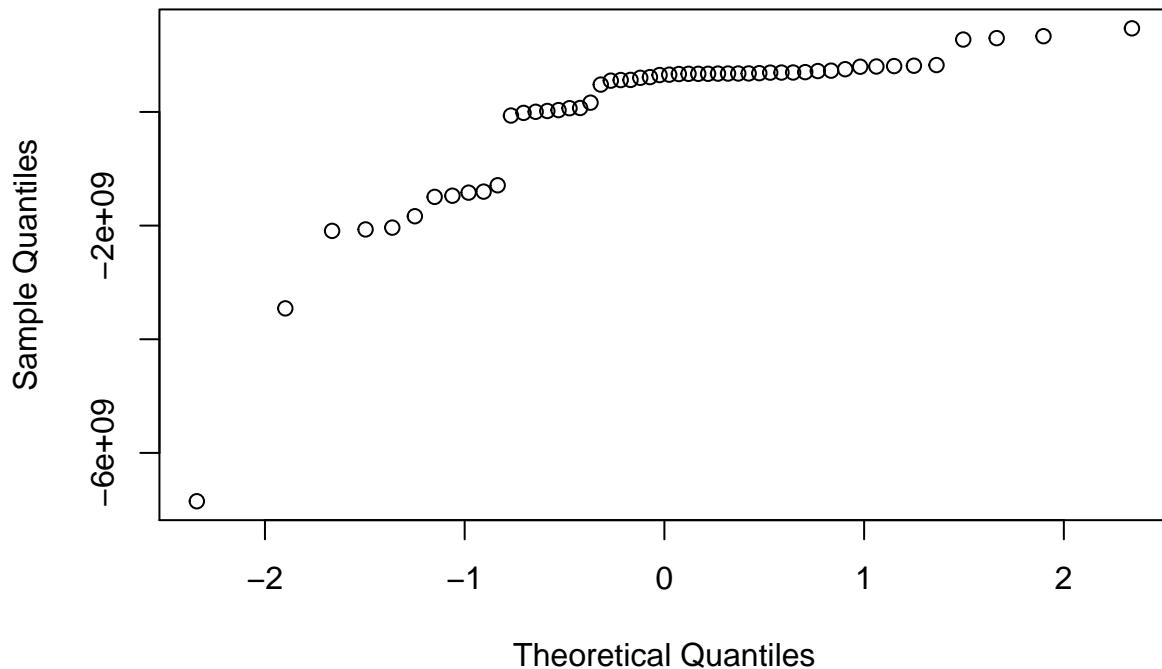
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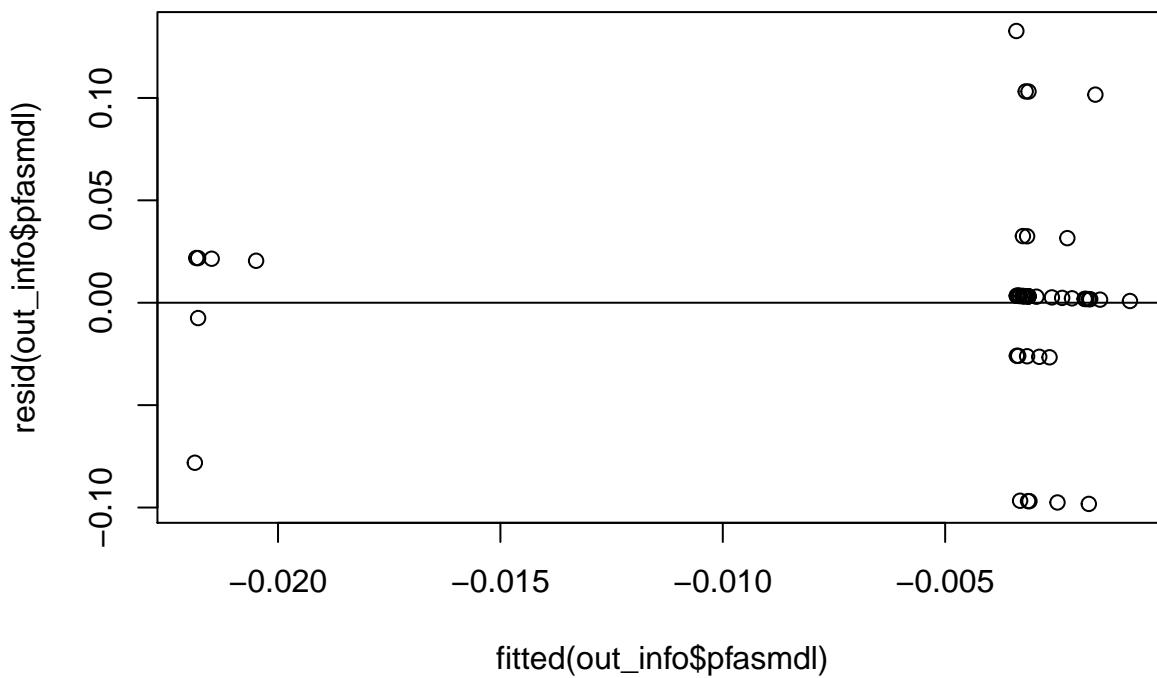
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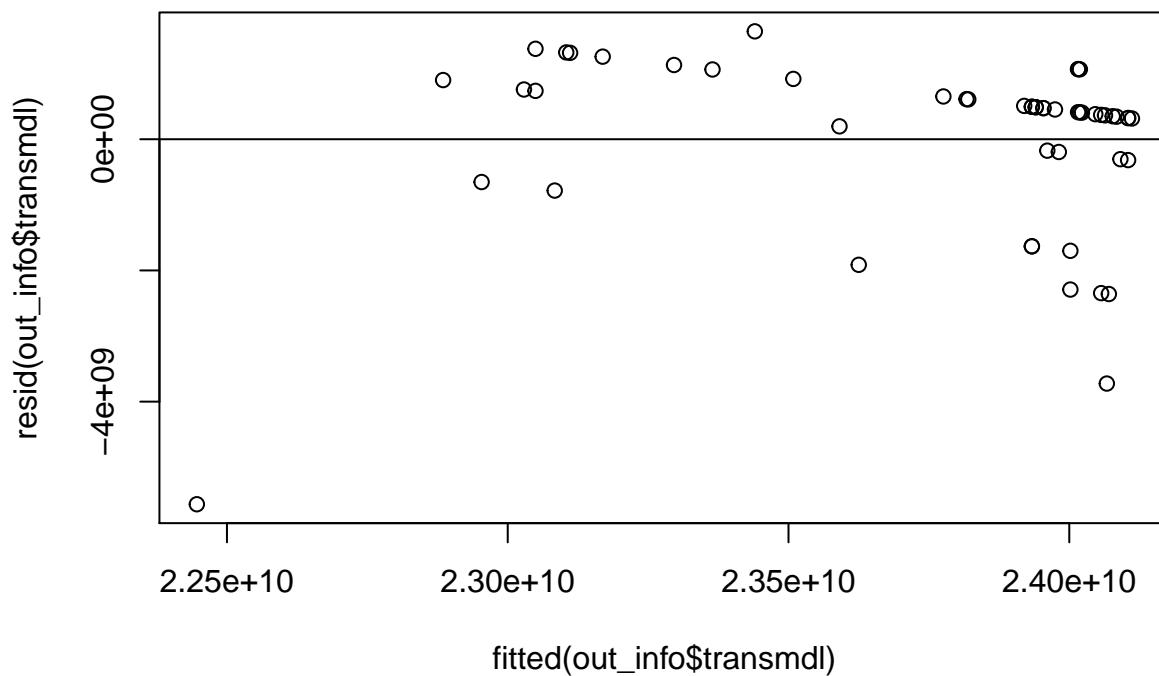
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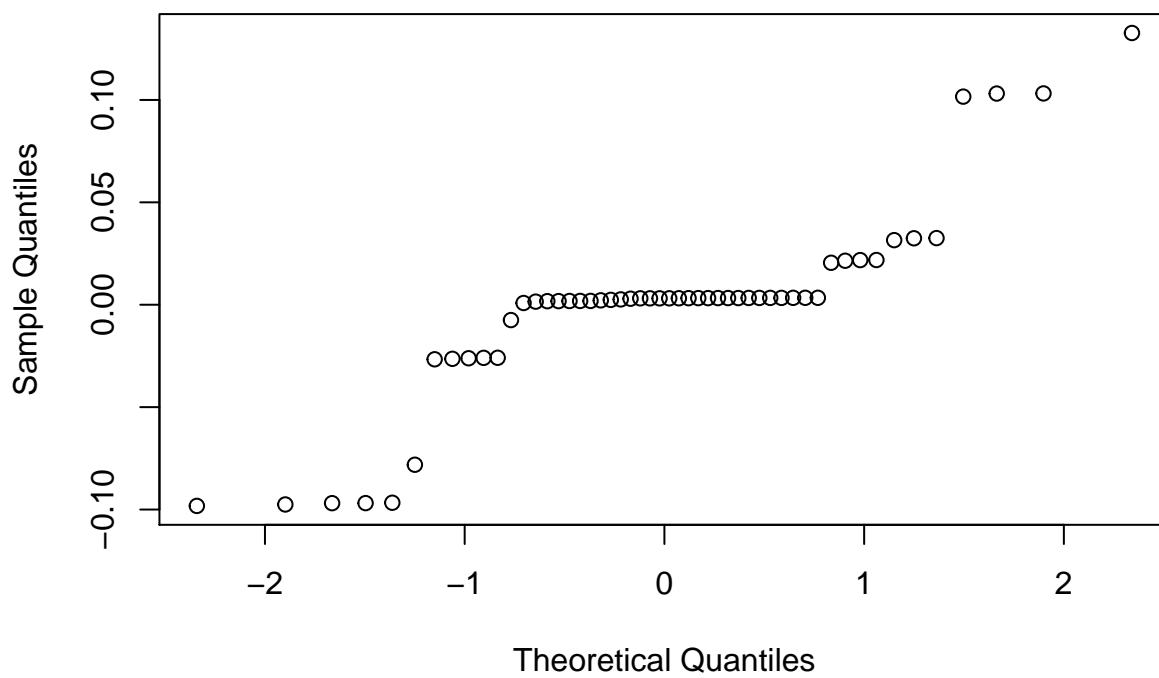
Plot of PFUAorig+  
Plot of PFUAorigdays.since.MRF  
Plot of PFUAorigEthnicity



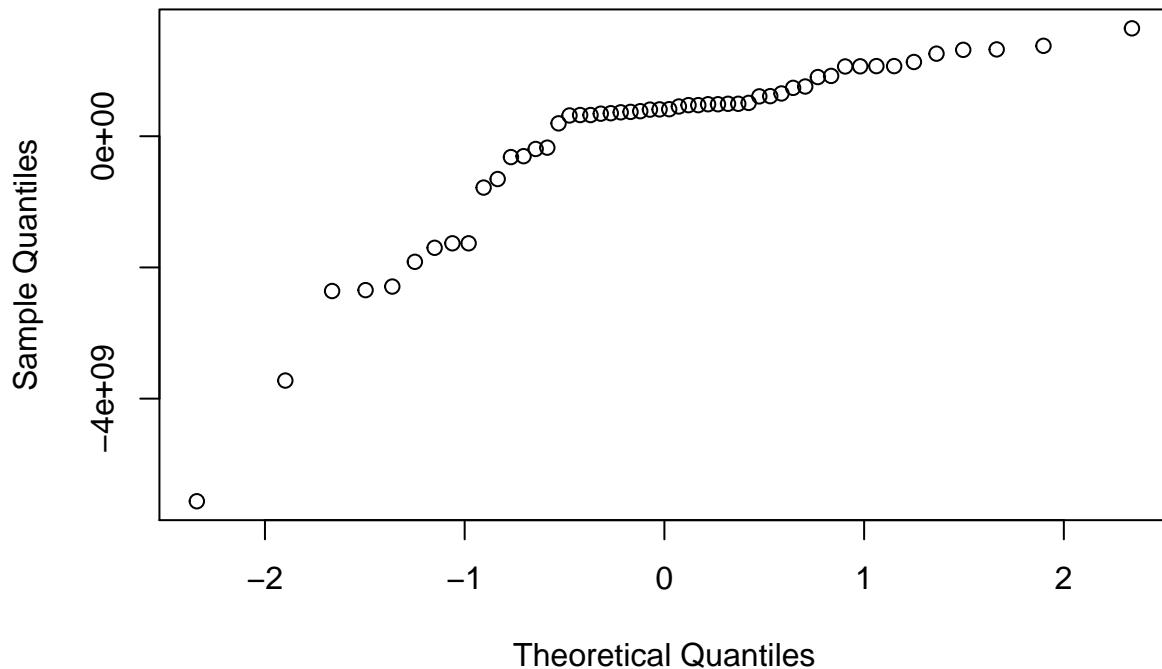
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



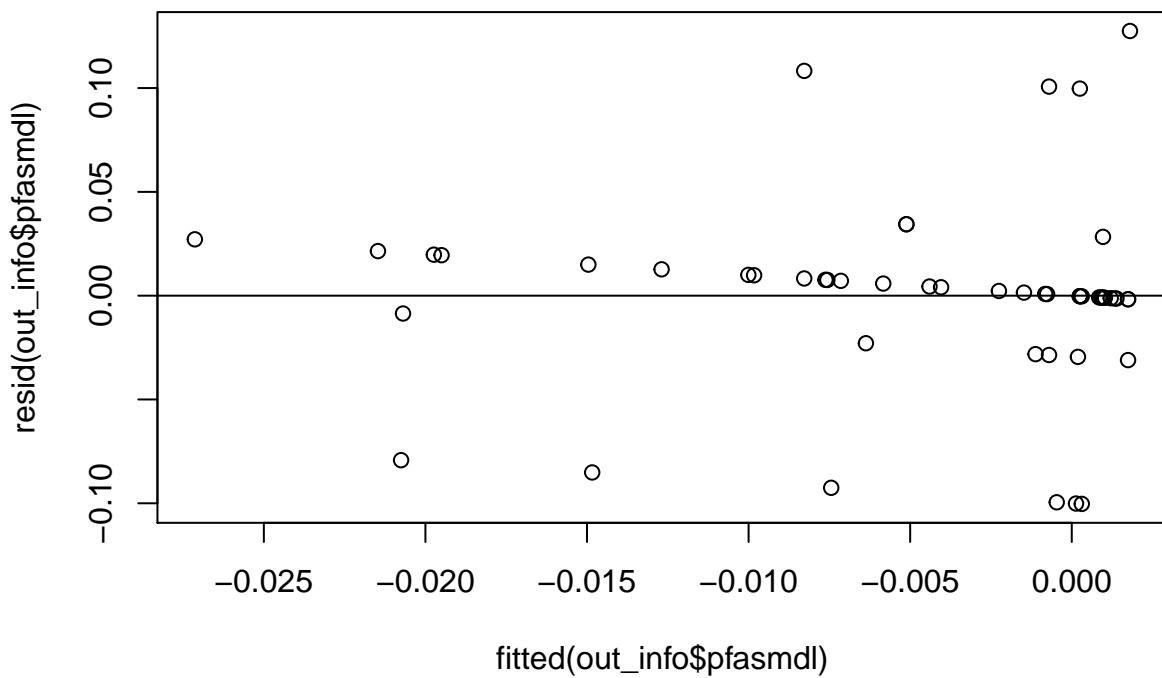
**Normal Q-Q Plot**



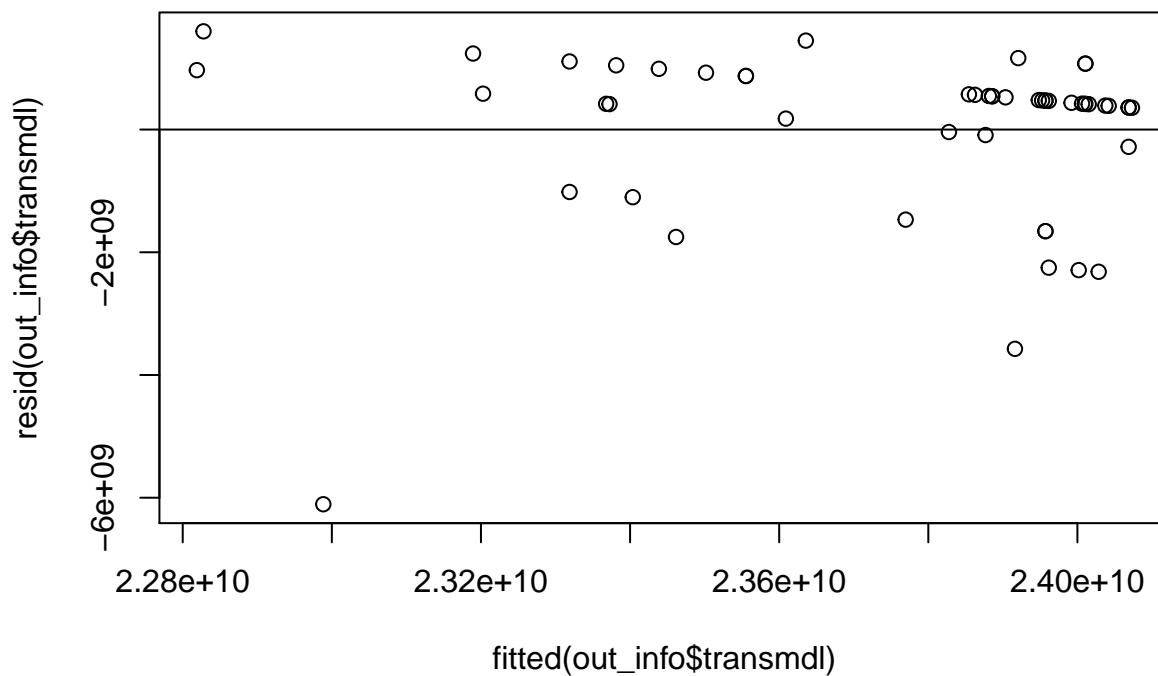
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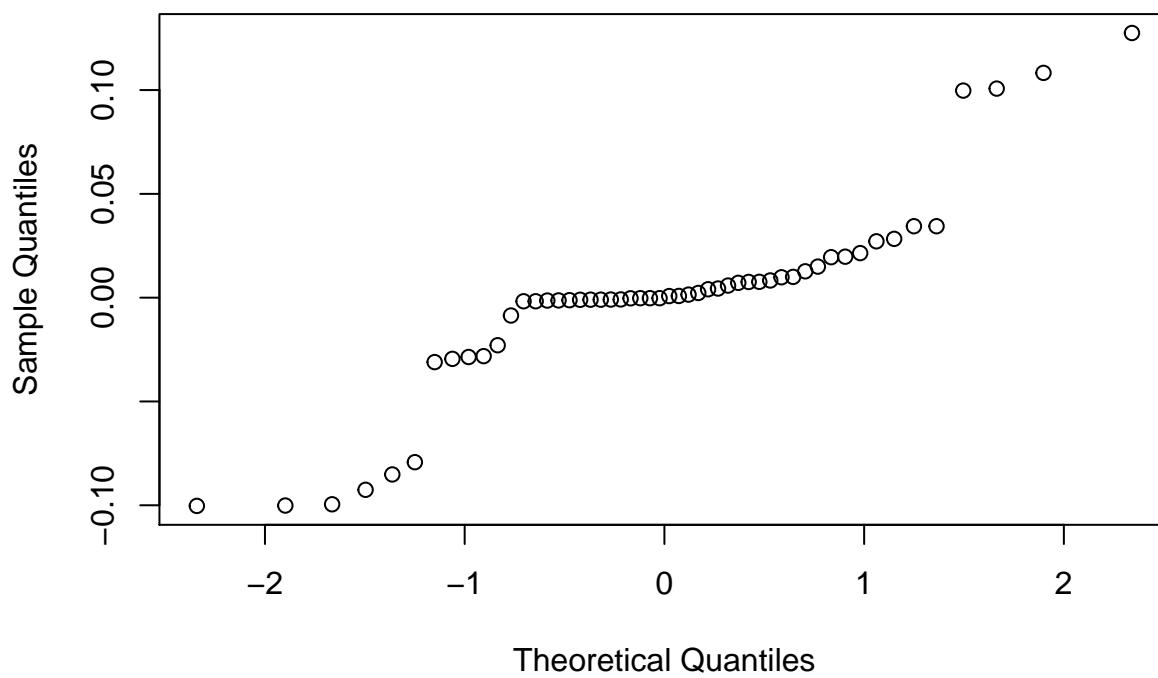
**Plot of PFUAorig+**  
**Plot of PFUAorigdays.since.struc.MRF**  
**Plot of PFUAorigEthnicity**



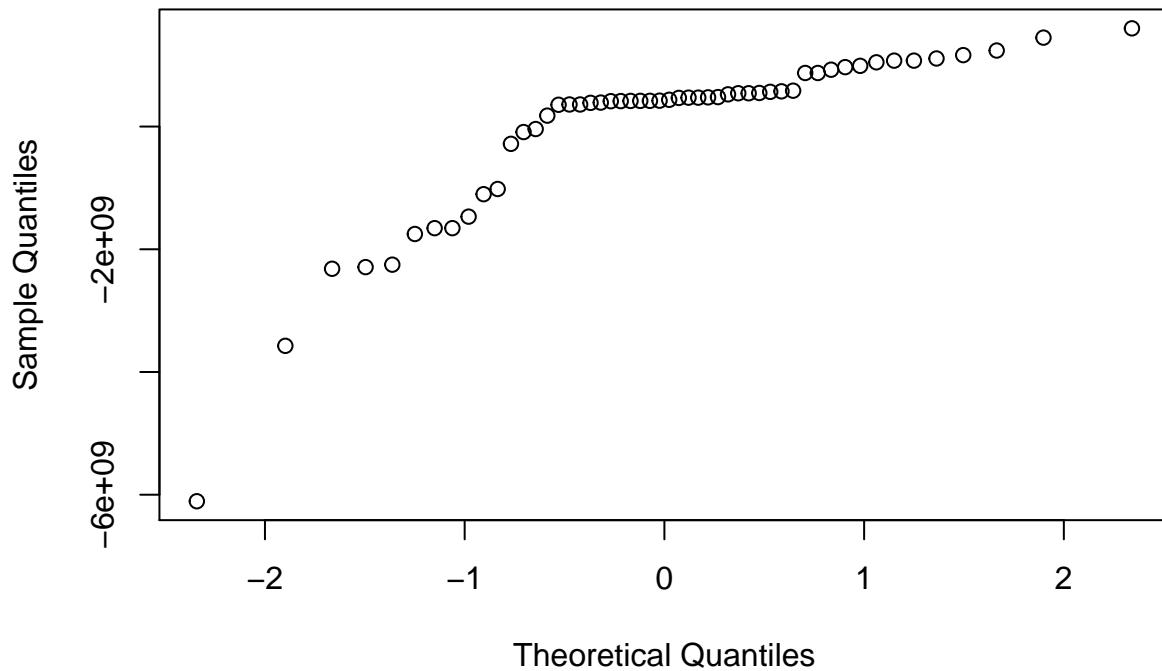
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
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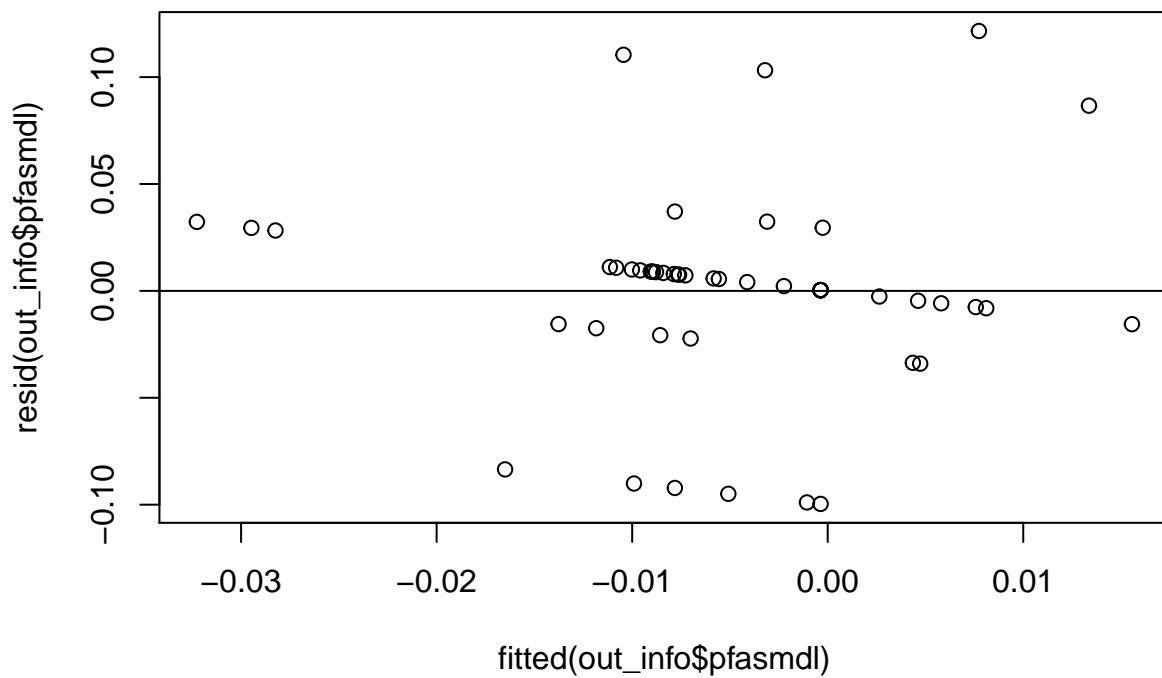
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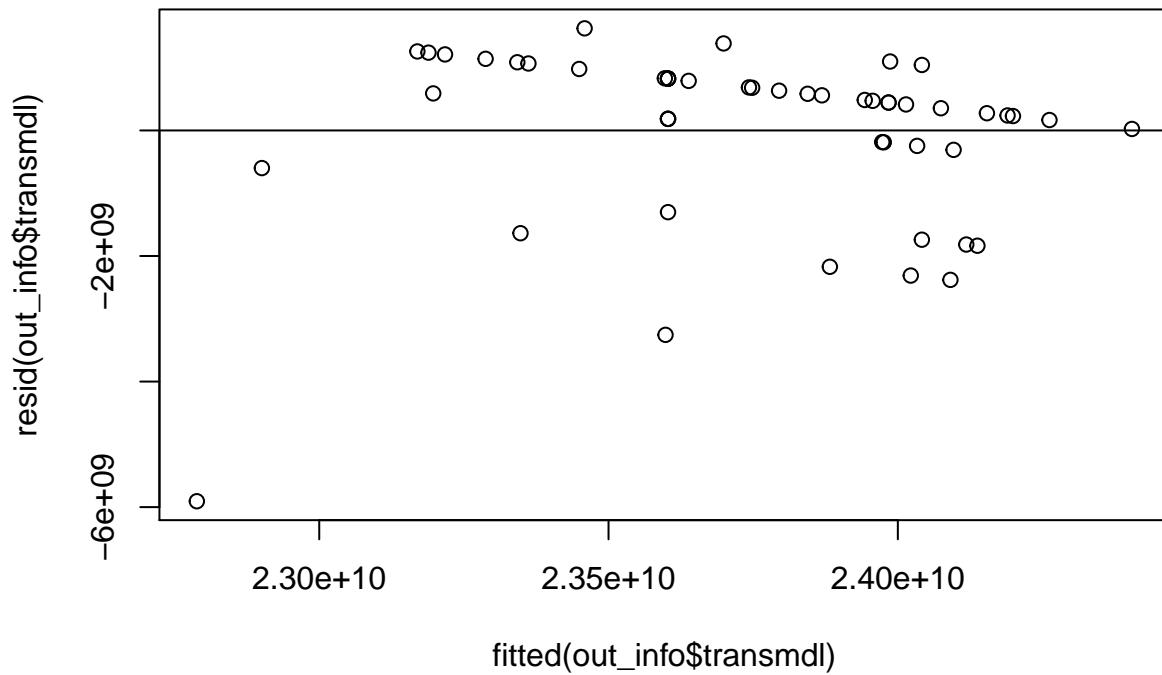
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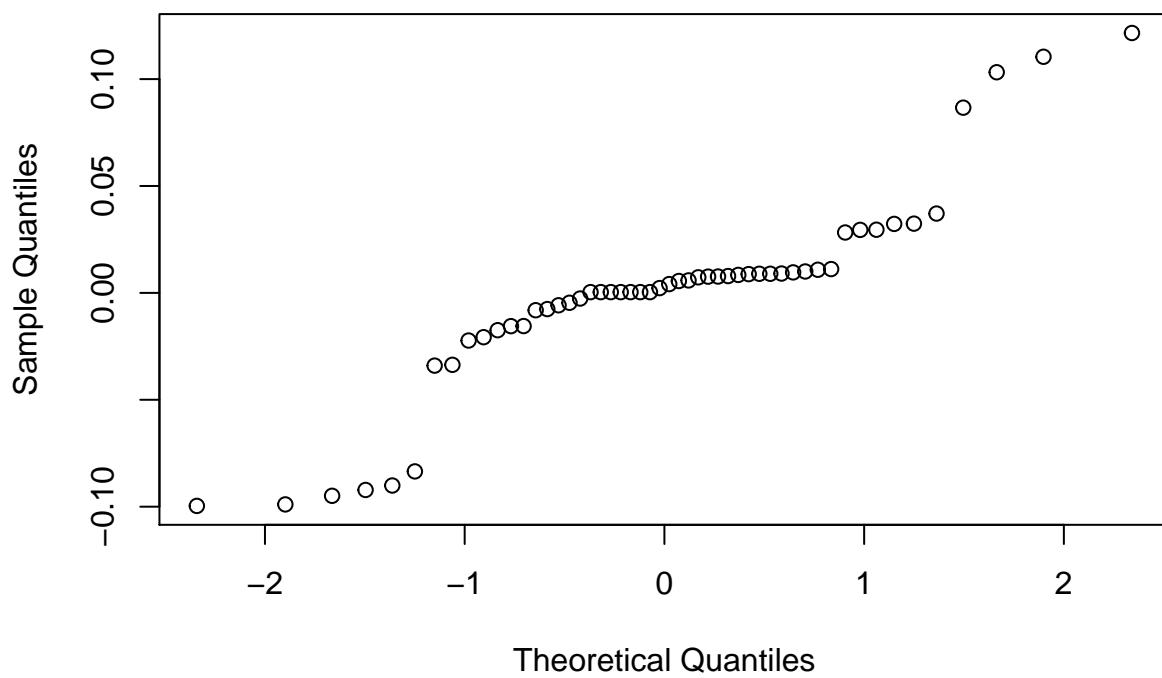
Plot of PFUAorig+  
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Plot of PFUAorigEthnicity



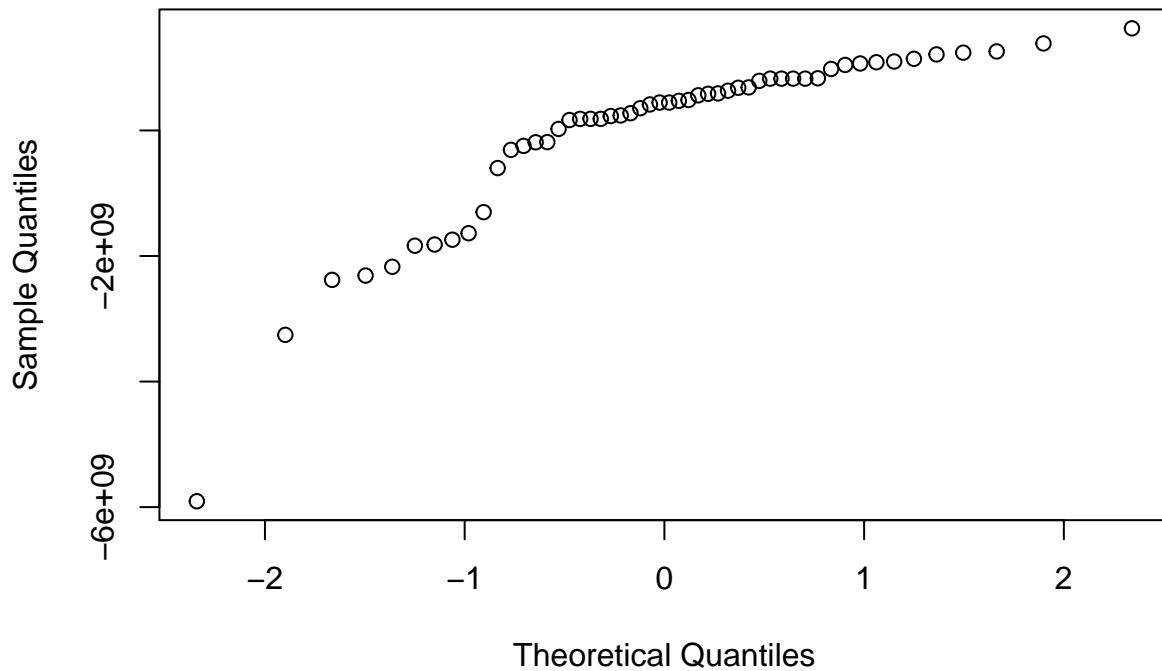
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Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



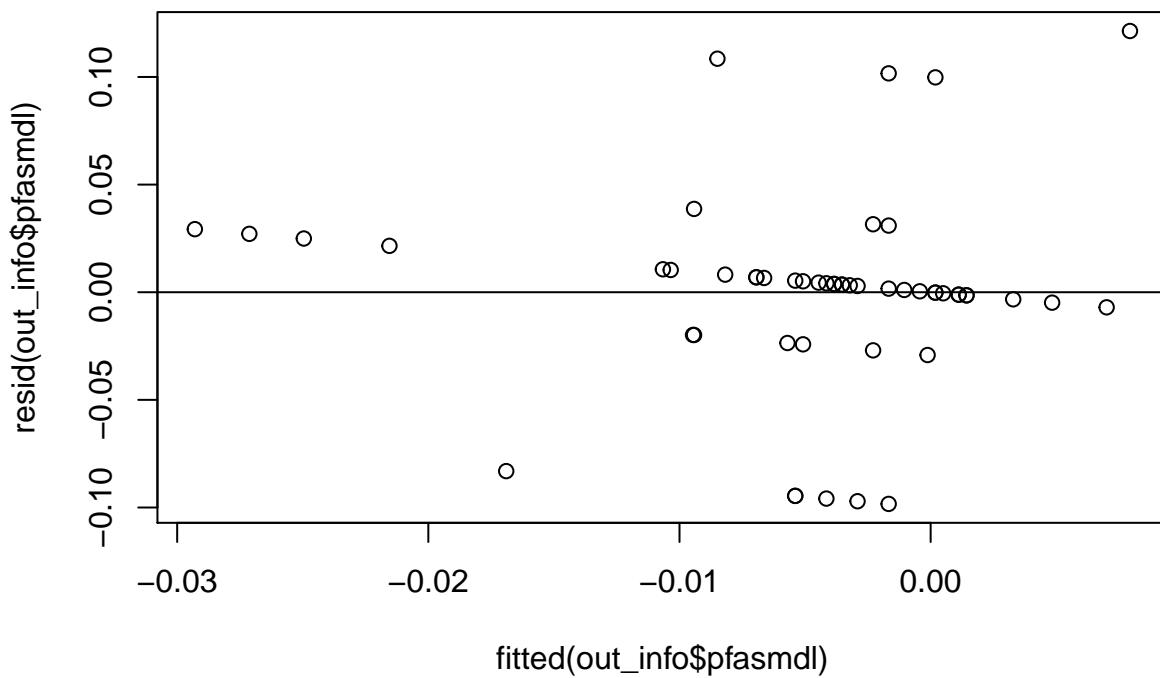
**Normal Q-Q Plot**



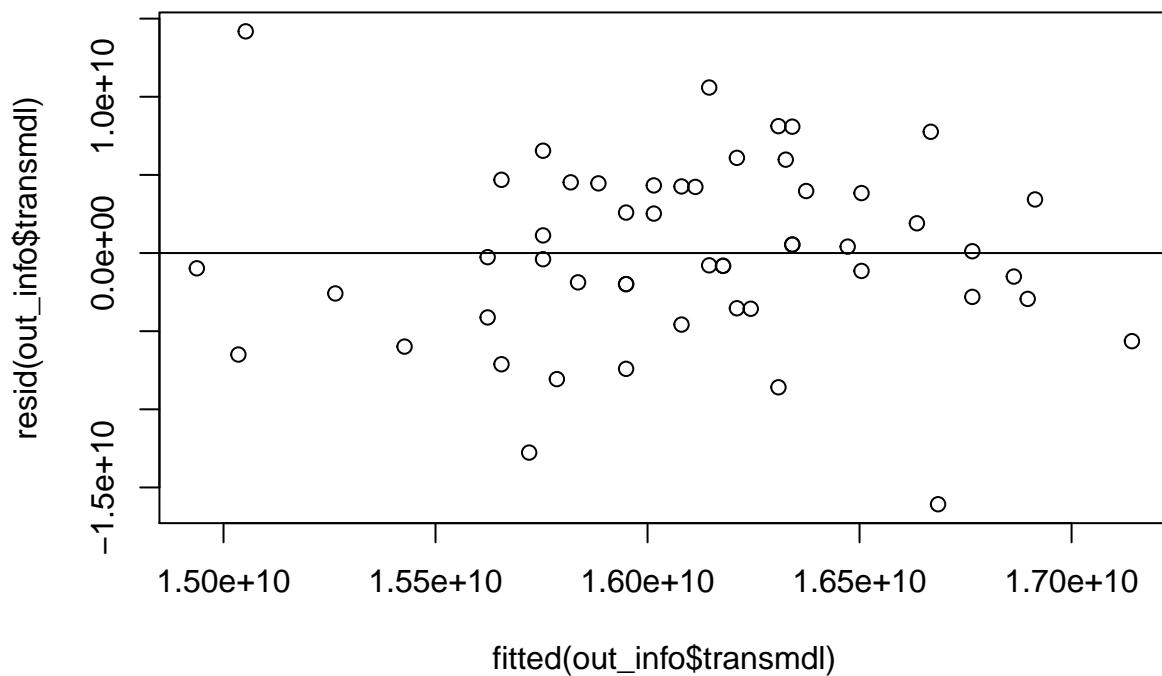
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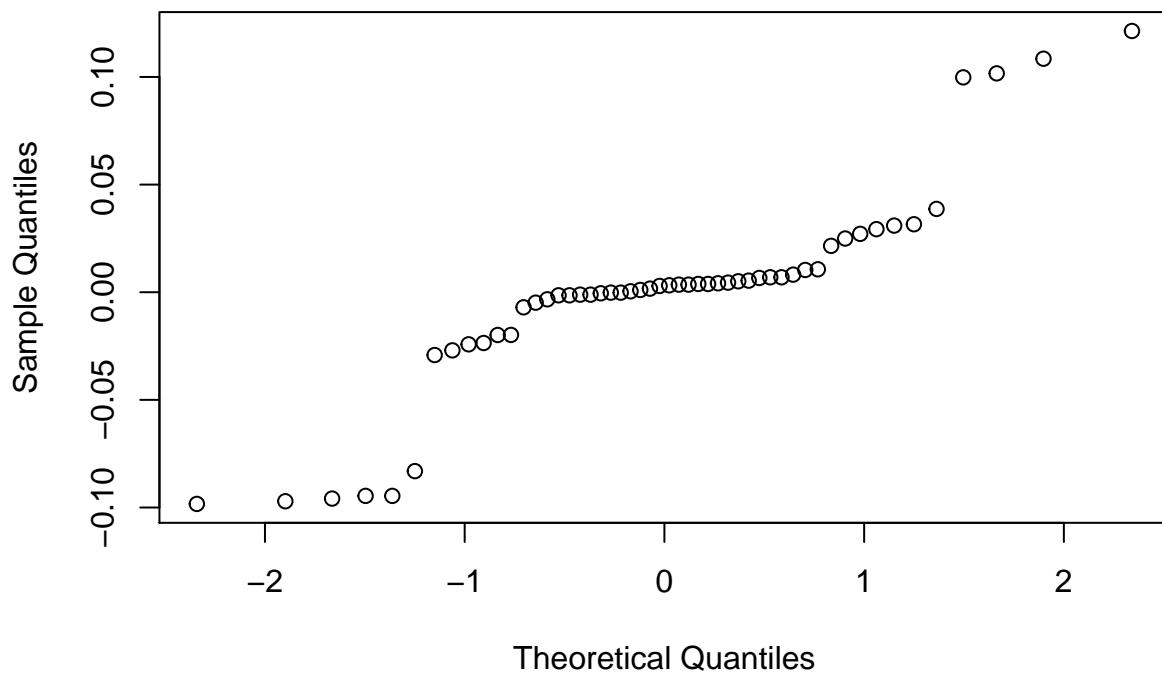
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



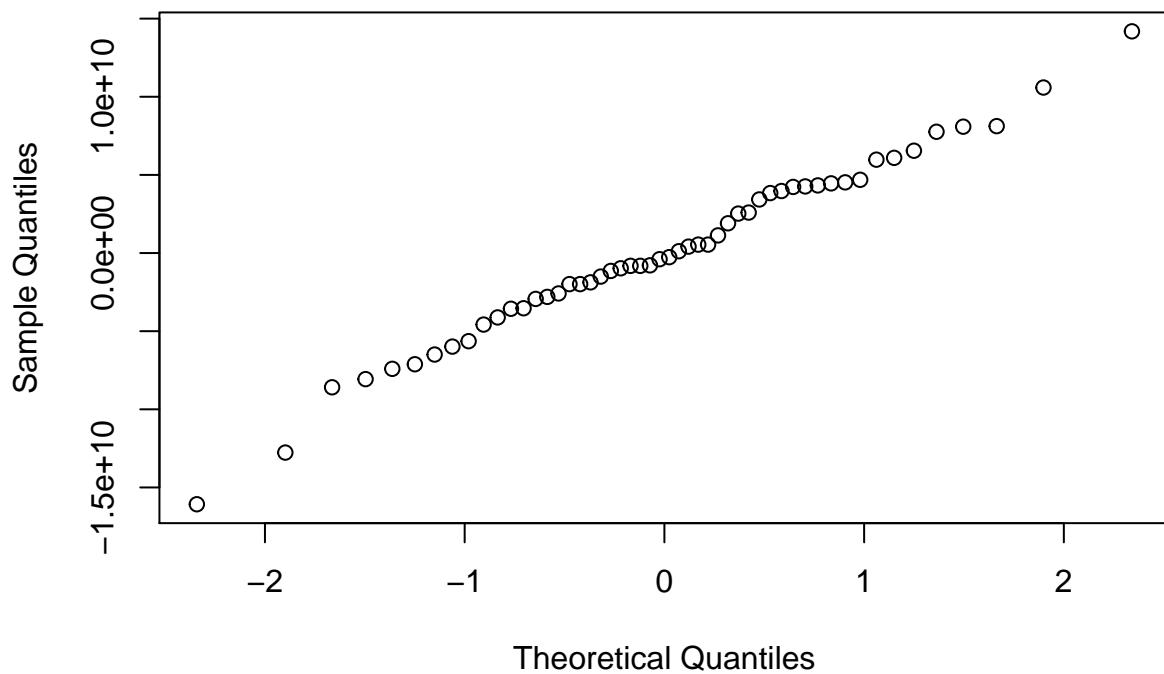
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Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



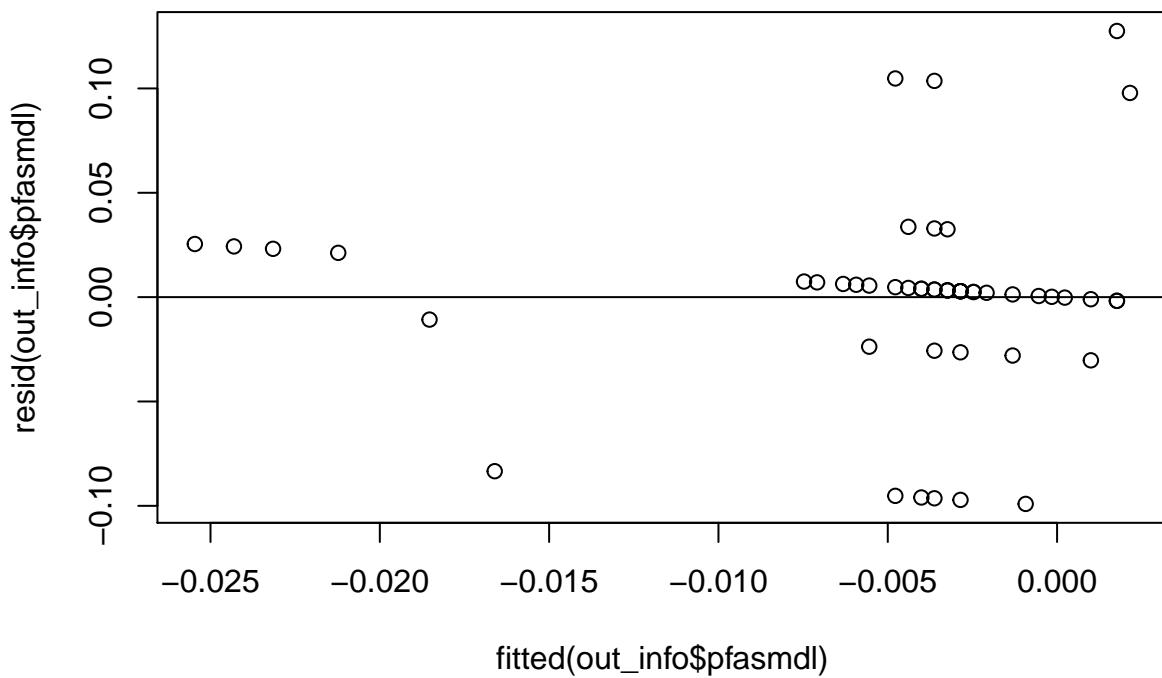
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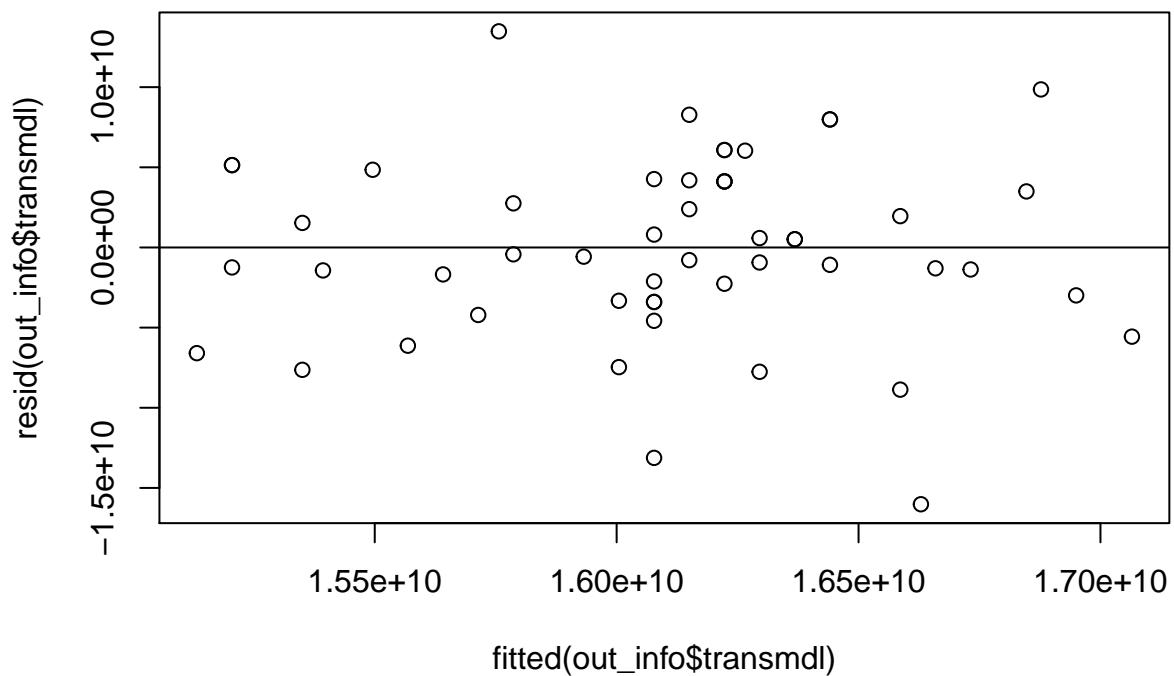
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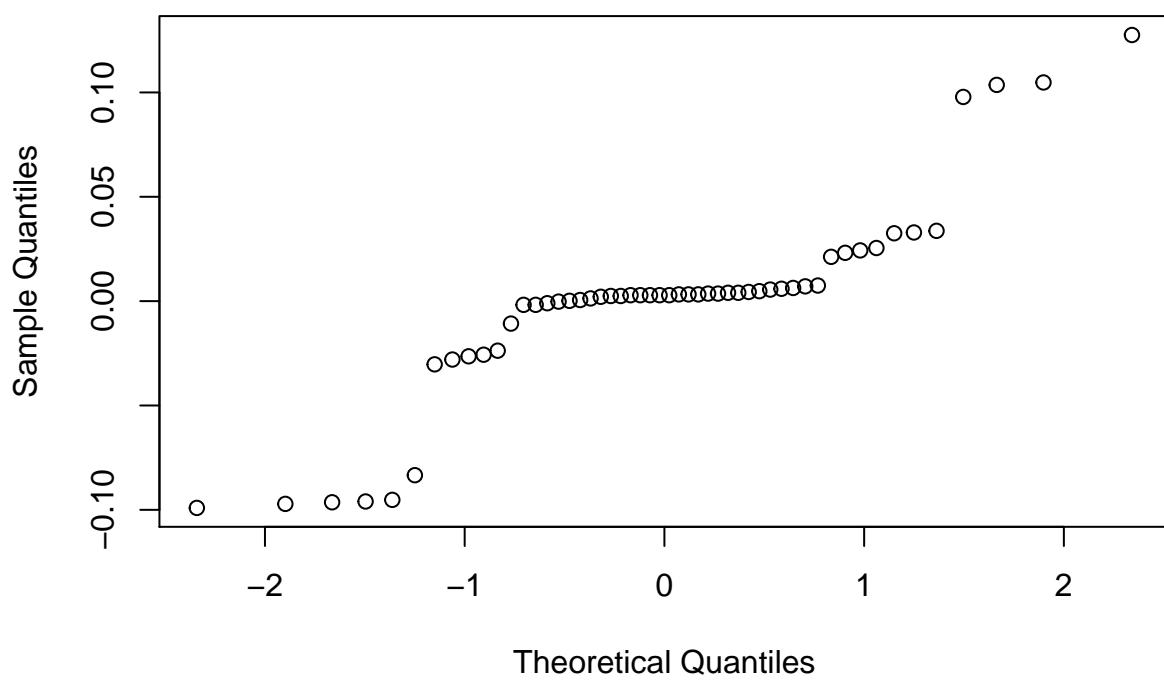
**Plot of PFUAorig+  
Plot of PFUAorigstr.num.fireruns  
Plot of PFUAorigEthnicity**



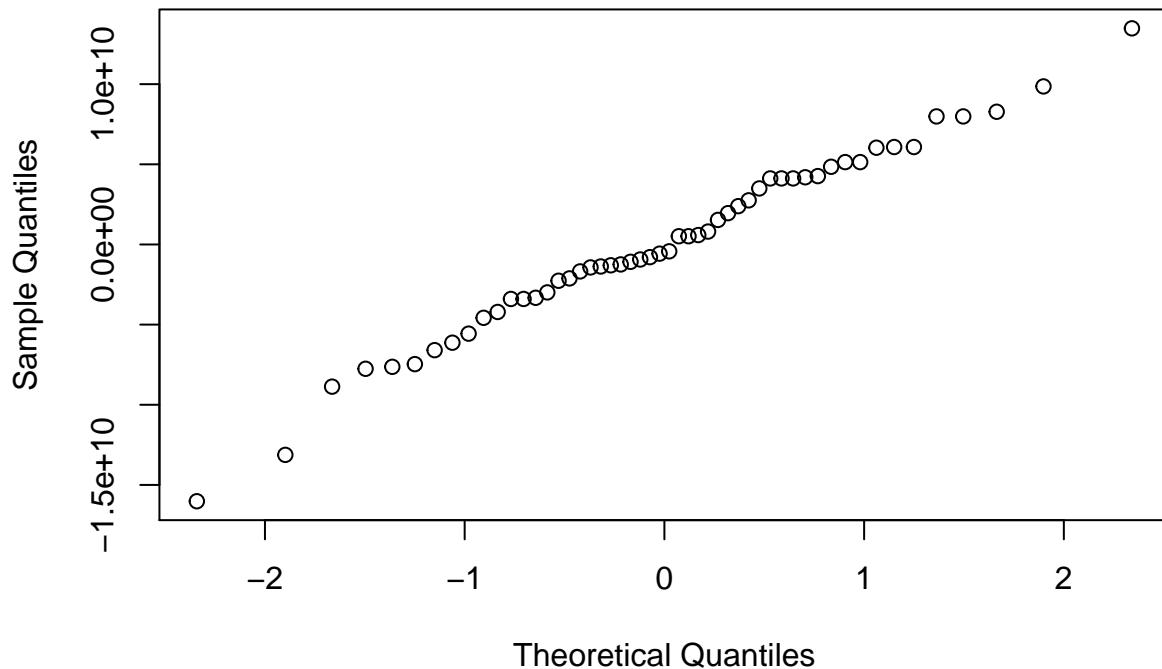
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Plot of fnPFOAtransstr.num.fireruns  
Plot of fnPFOAtransEthnicity**



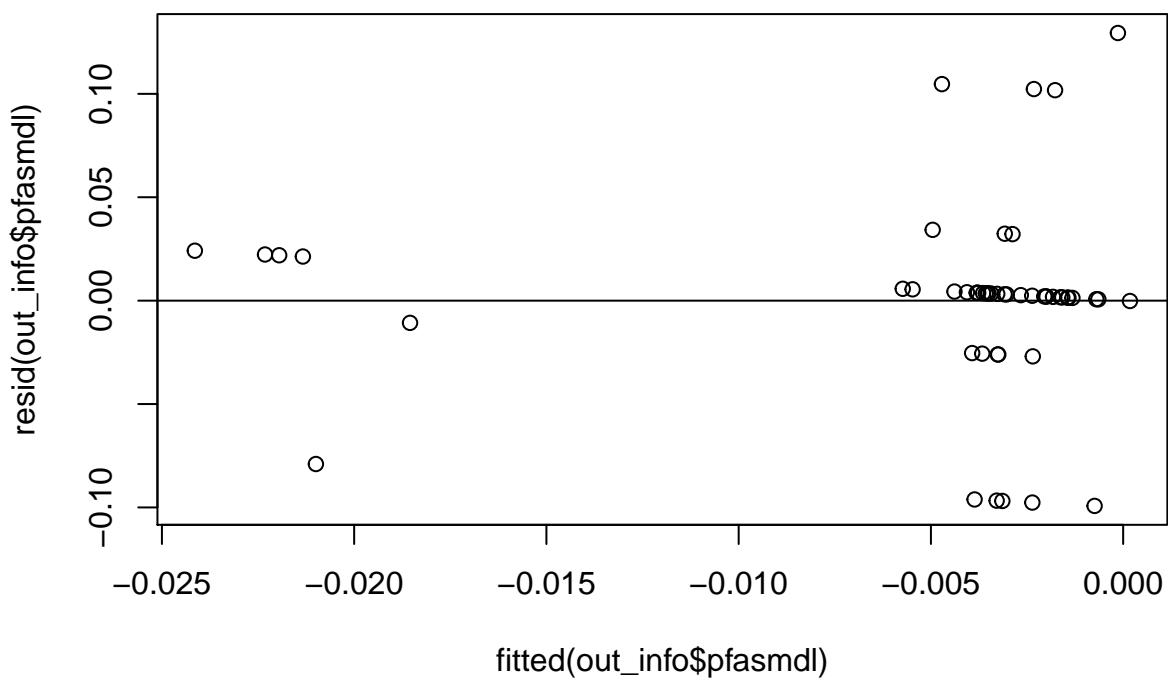
**Normal Q-Q Plot**



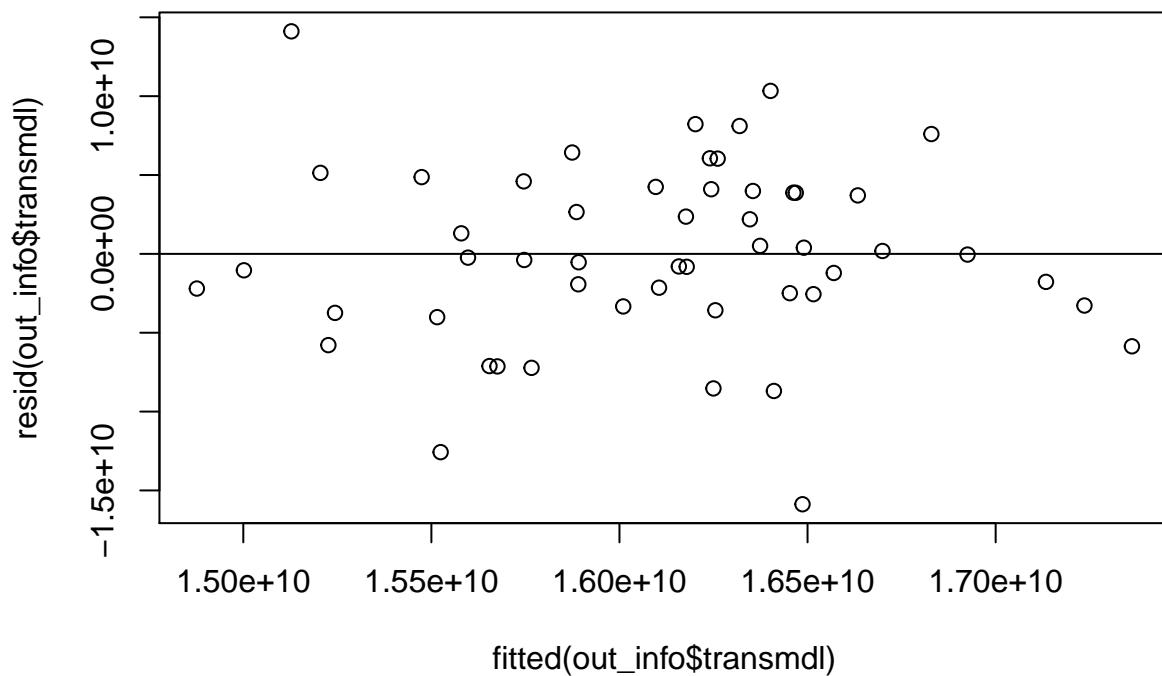
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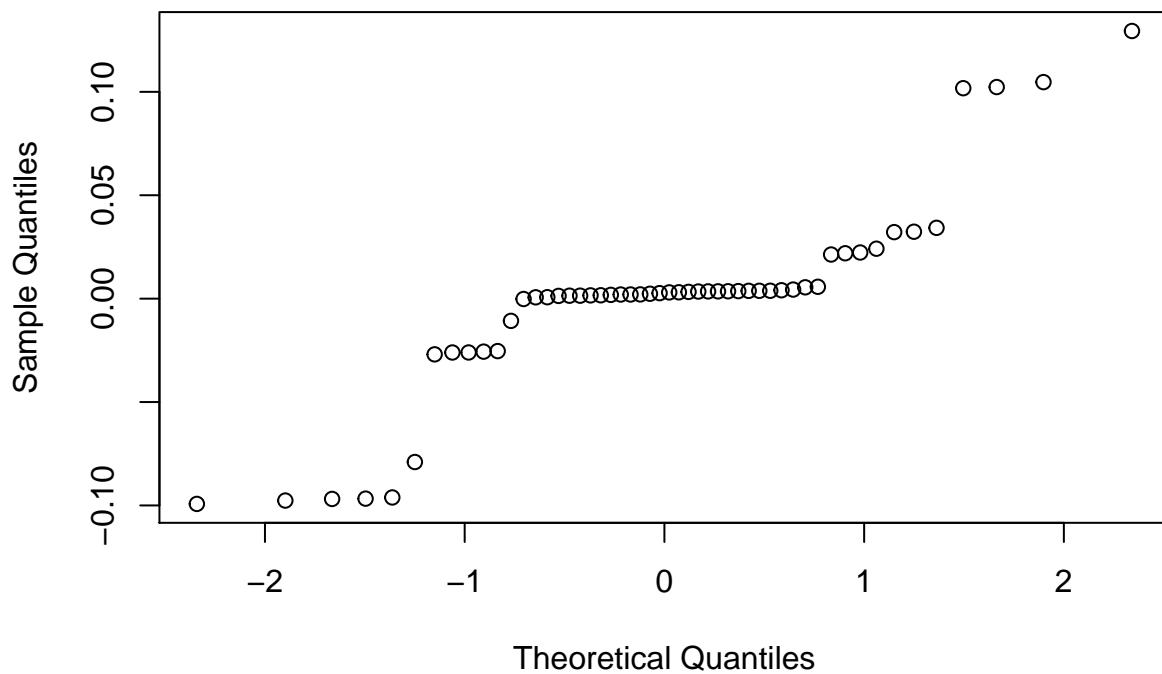
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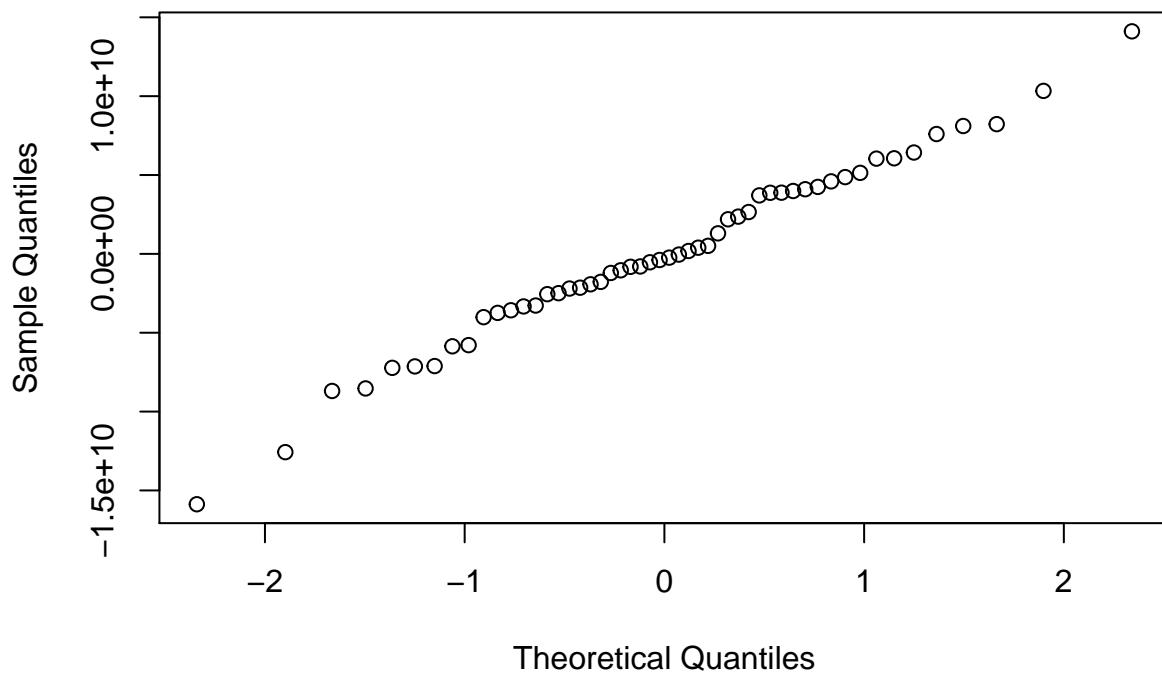
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Plot of fnPFOAtranstotal.duration.hrs  
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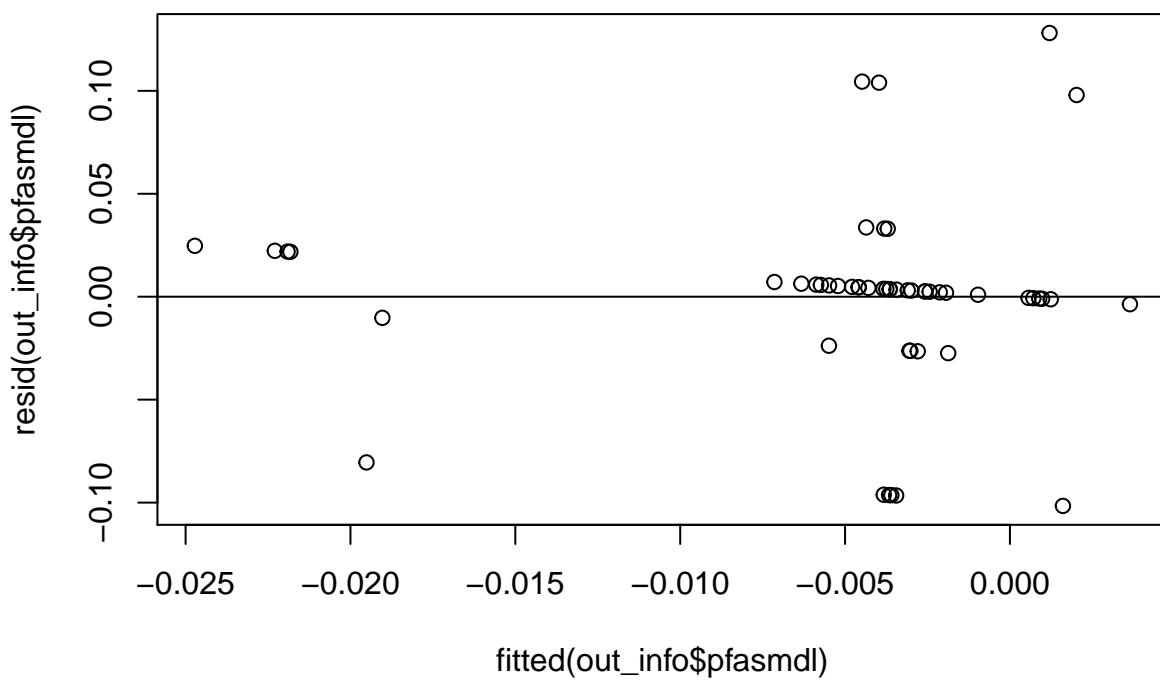
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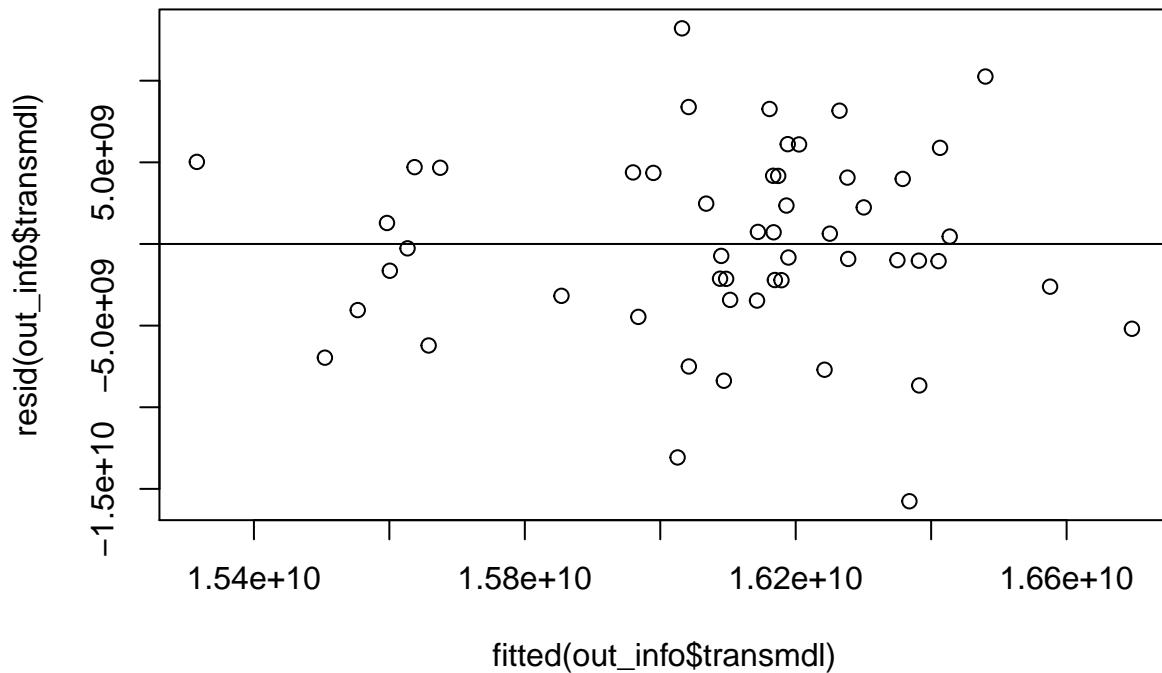
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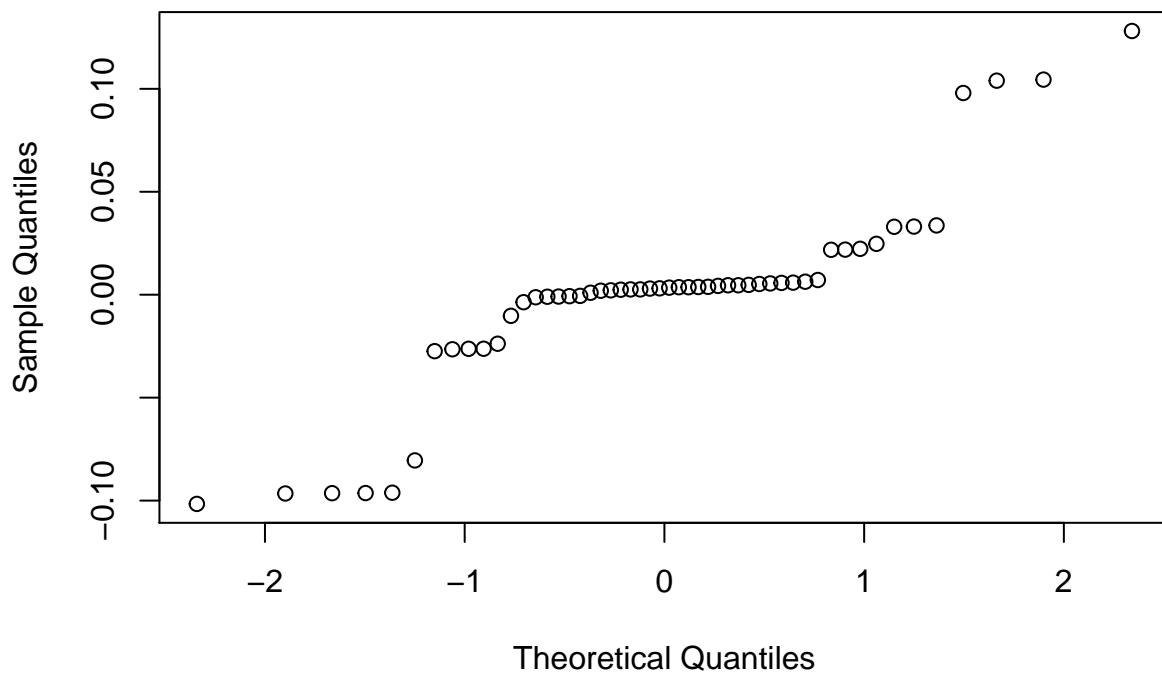
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Plot of PFUAorigstr.duration.hrs  
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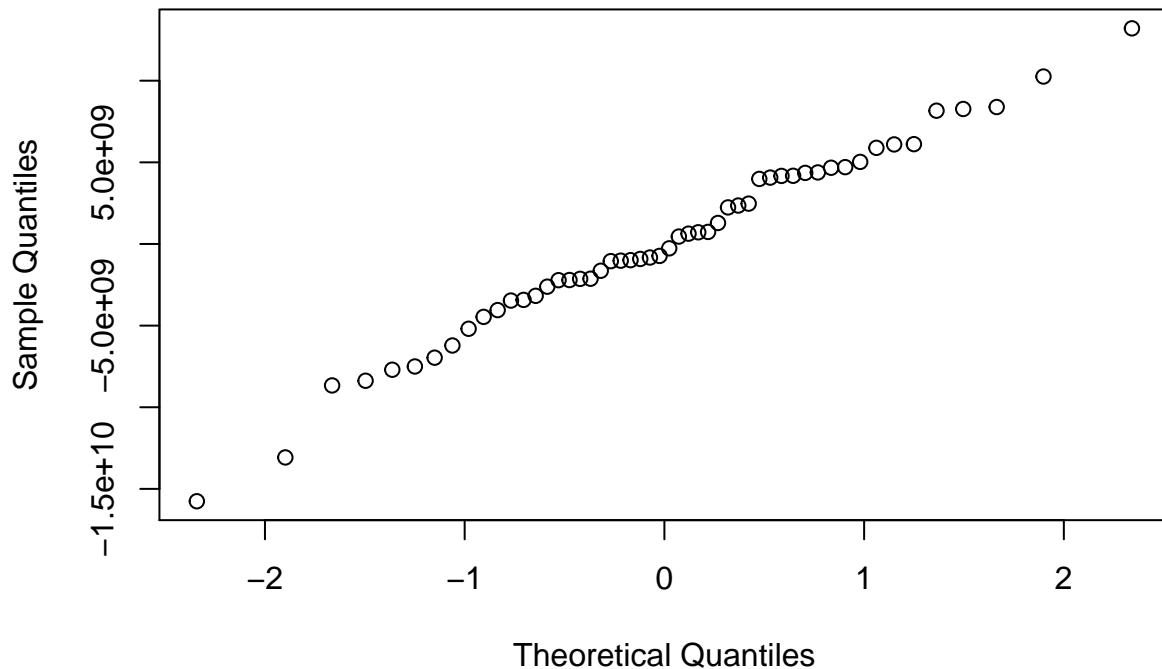
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.duration.hrs  
Plot of fnPFOAtransEthnicity**



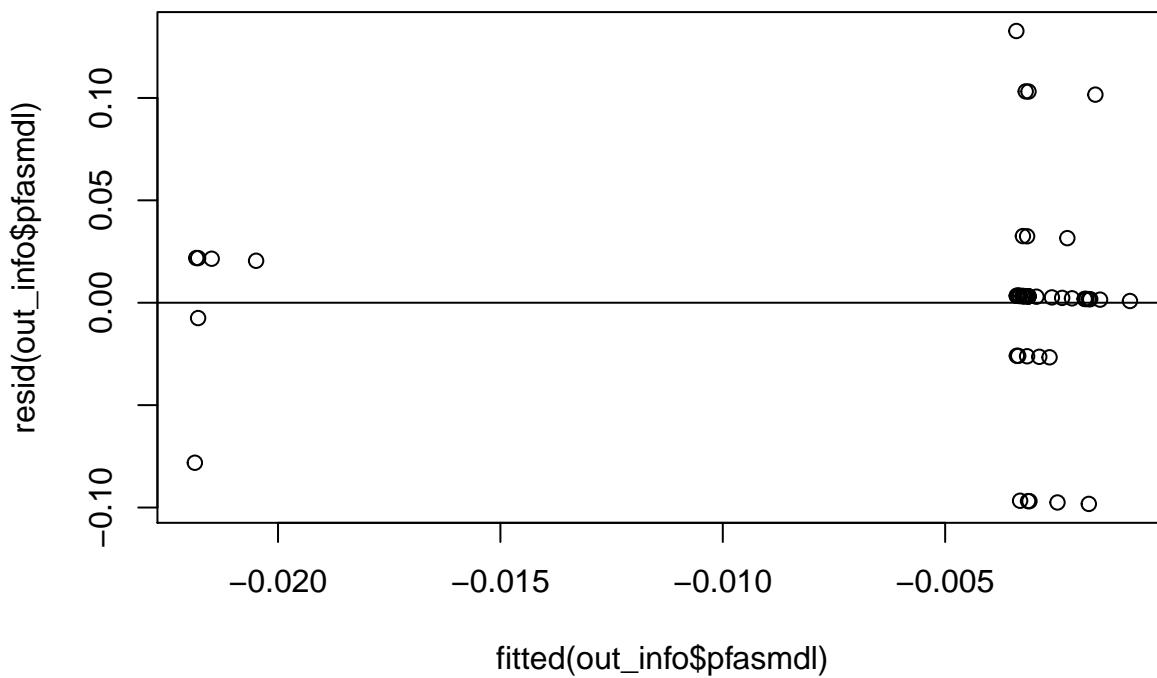
**Normal Q-Q Plot**



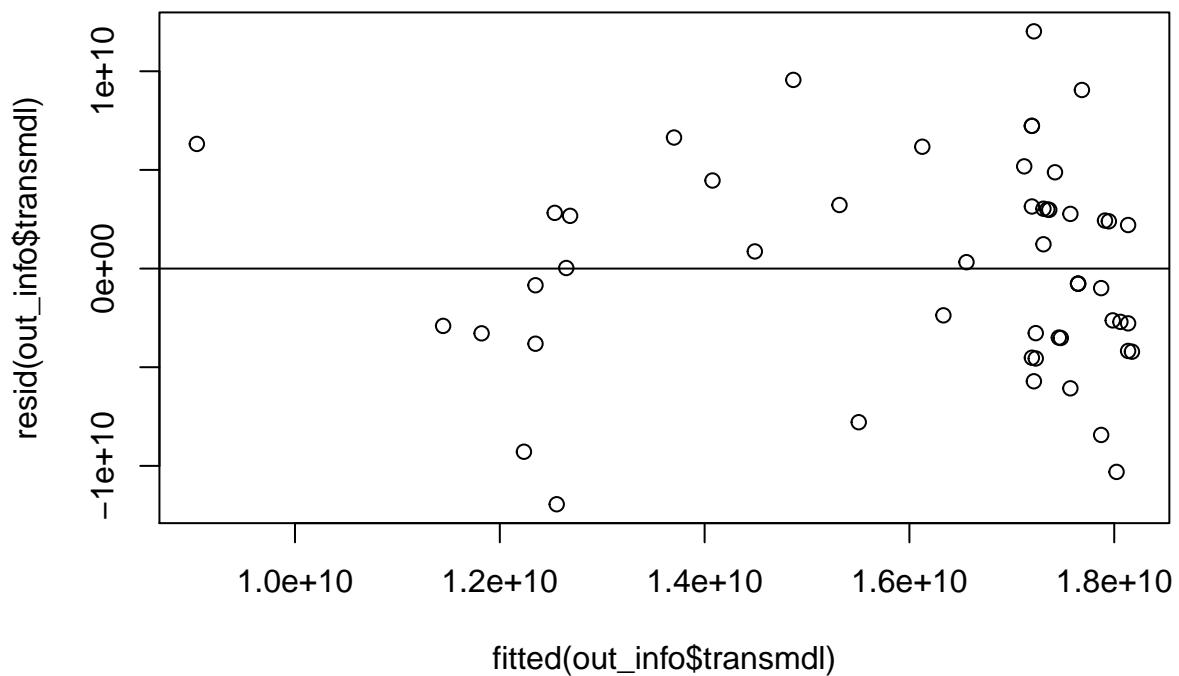
### Normal Q-Q Plot



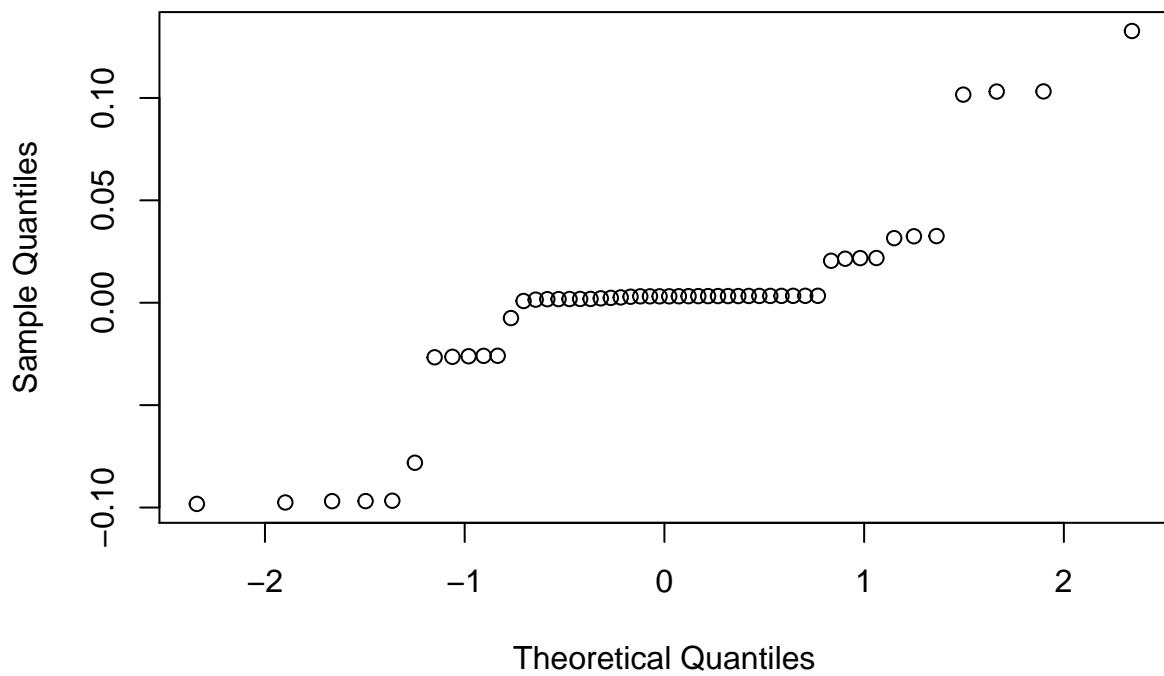
Plot of PFUAorig+  
Plot of PFUAorigdays.since.MRF  
Plot of PFUAorigEthnicity



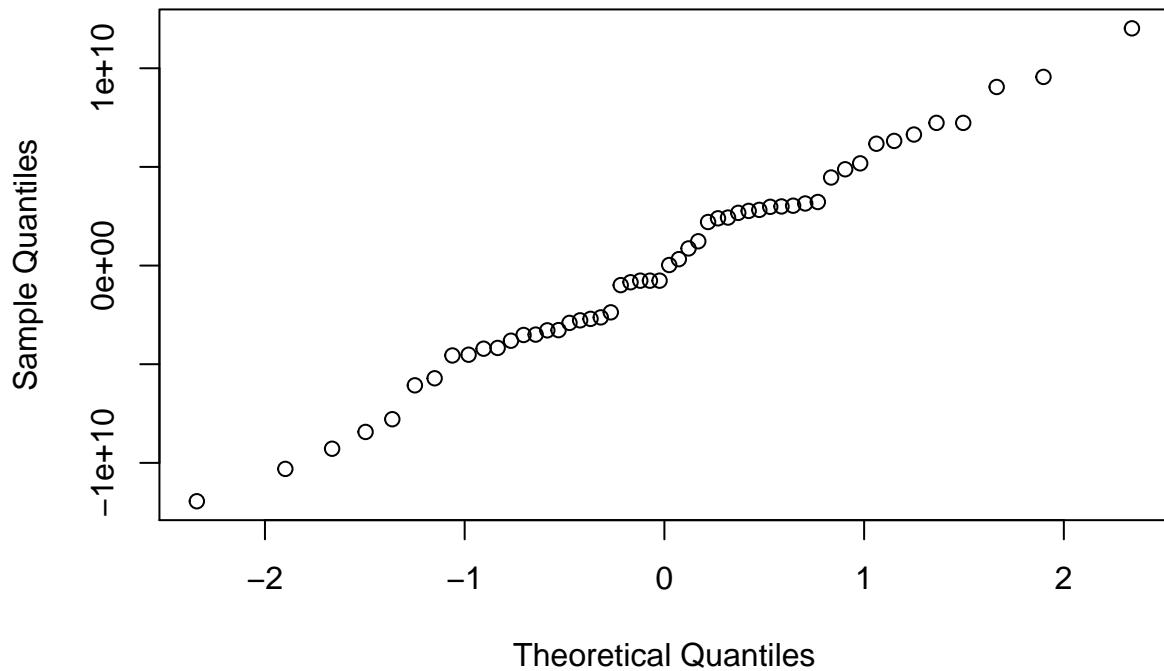
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.MRF  
Plot of fnPFOAtransEthnicity**



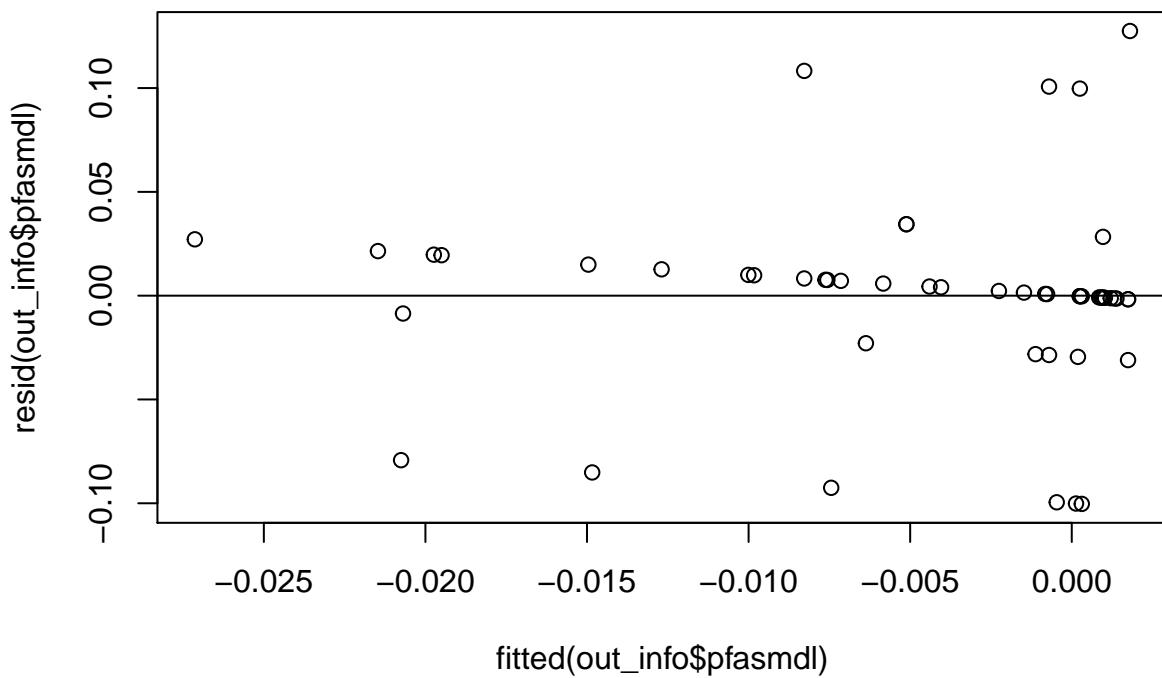
**Normal Q-Q Plot**



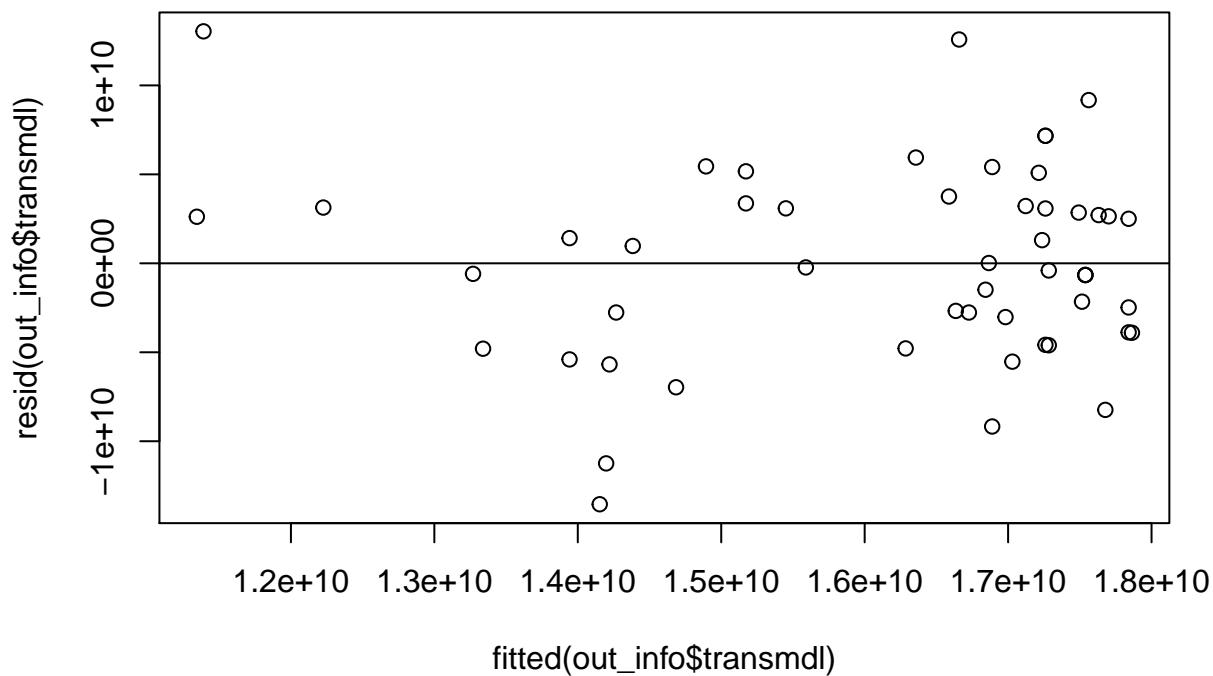
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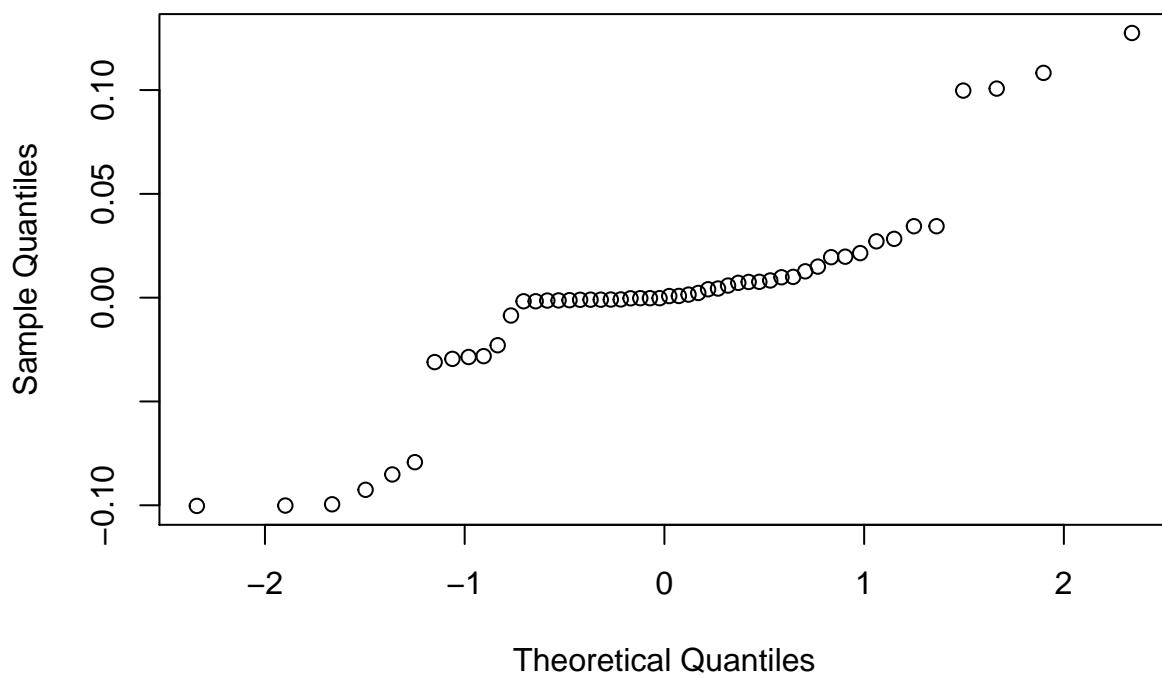
**Plot of PFUAorig+**  
**Plot of PFUAorigdays.since.struc.MRF**  
**Plot of PFUAorigEthnicity**



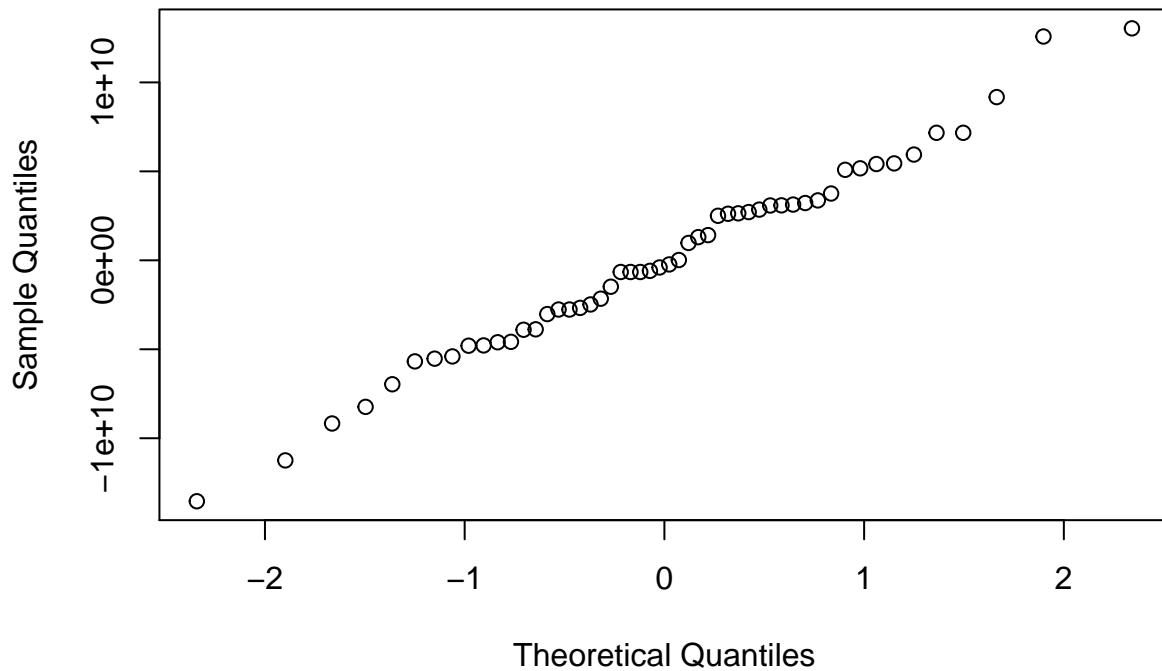
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.struc.MRF  
Plot of fnPFOAtransEthnicity**



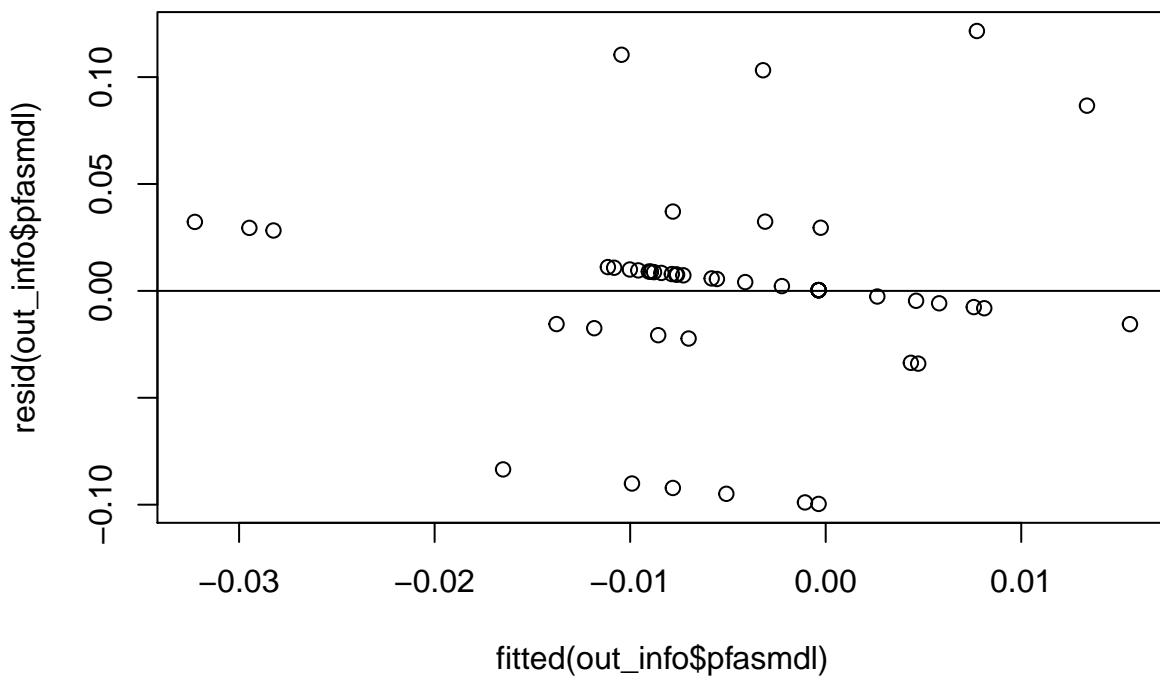
**Normal Q-Q Plot**



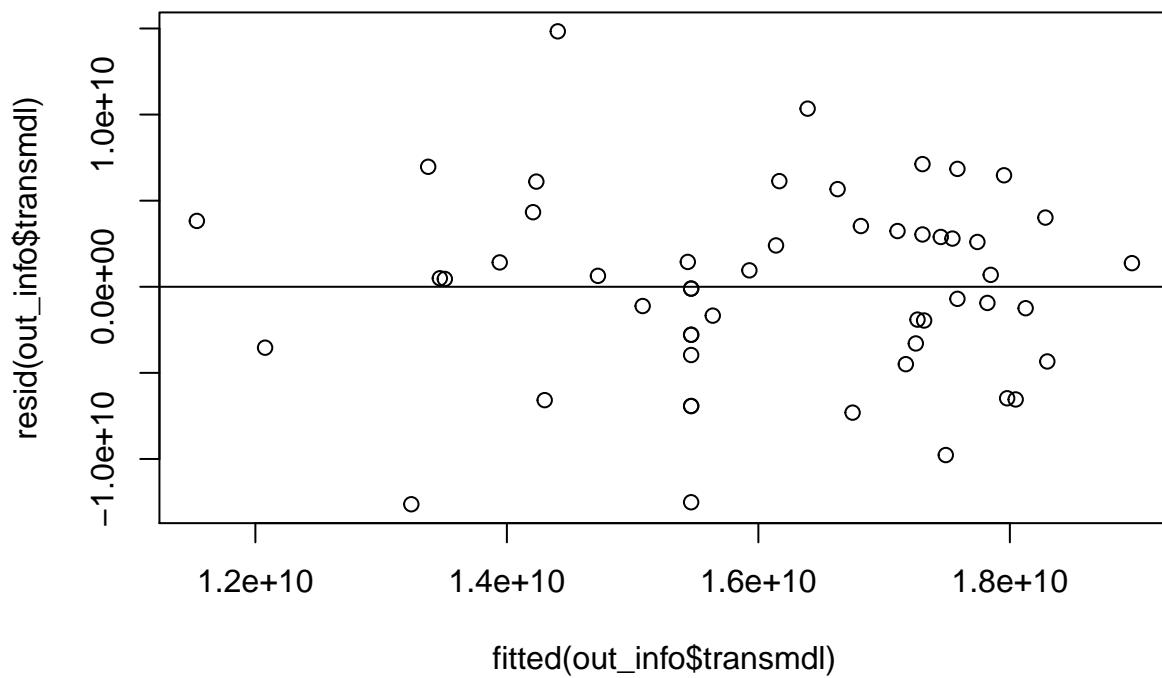
### Normal Q-Q Plot



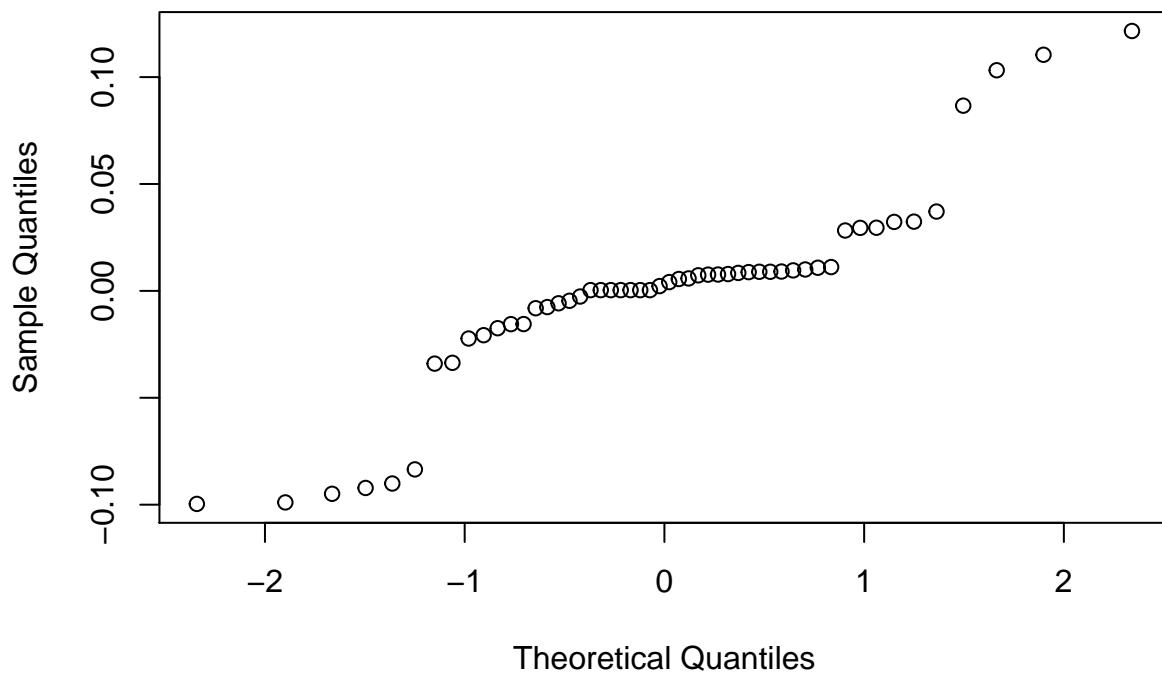
Plot of PFUAorig+  
Plot of PFUAorigtime.since.baseline  
Plot of PFUAorigEthnicity



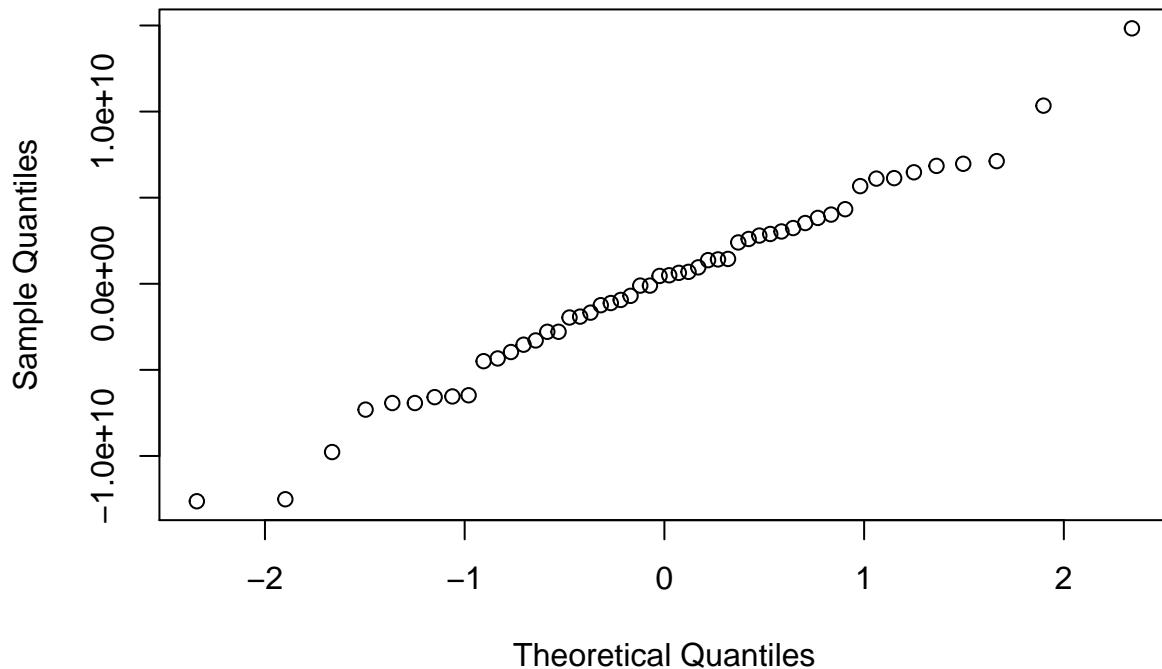
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstime.since.baseline  
Plot of fnPFOAtransEthnicity**



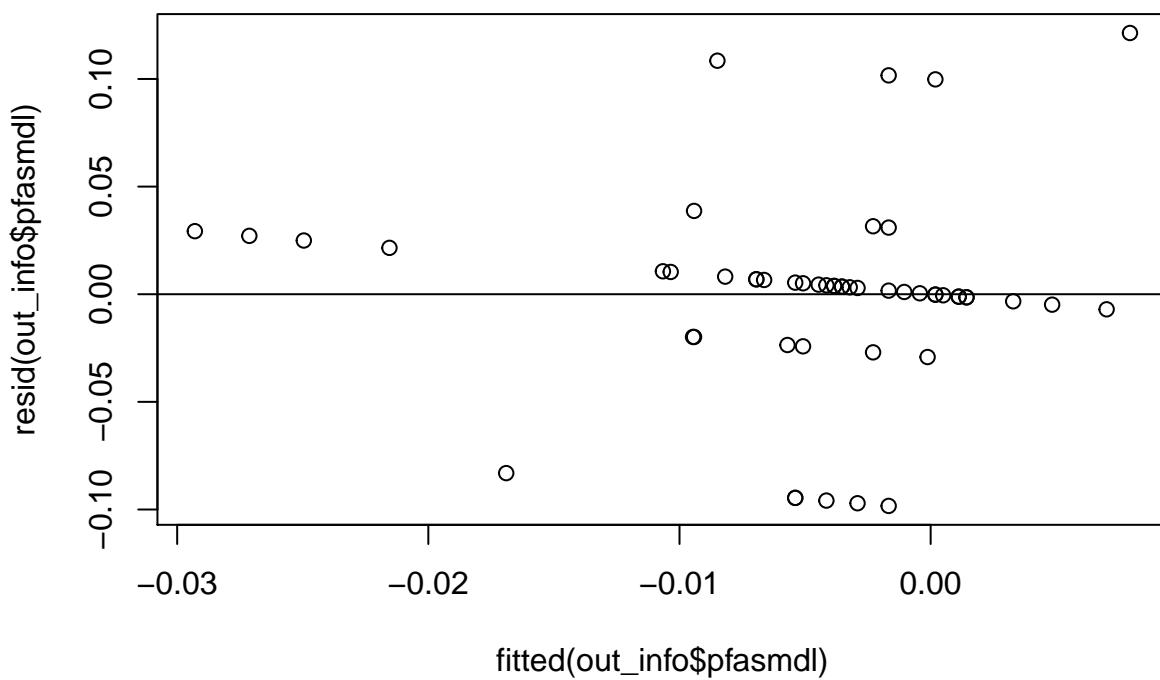
**Normal Q-Q Plot**



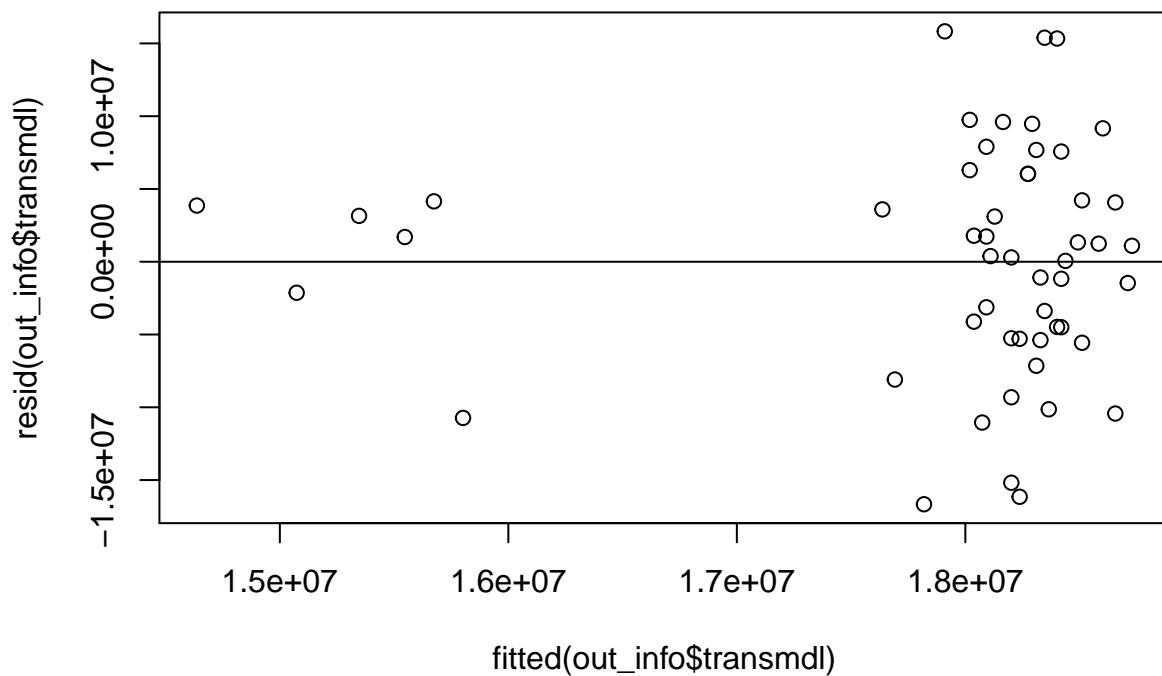
### Normal Q-Q Plot



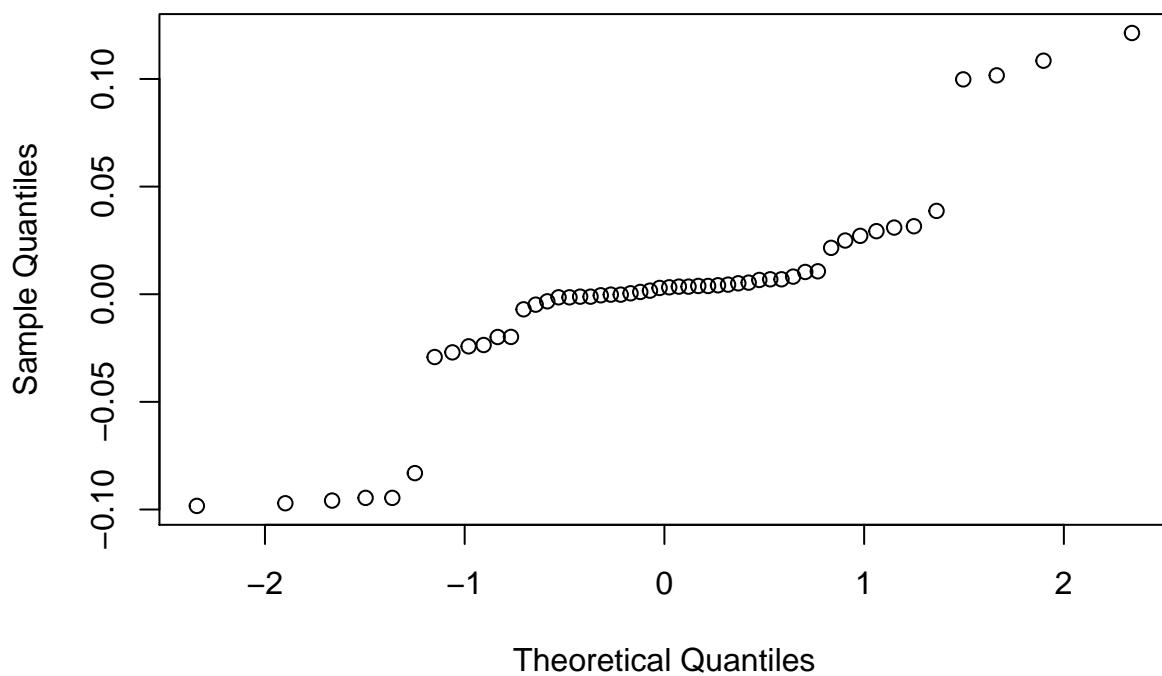
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



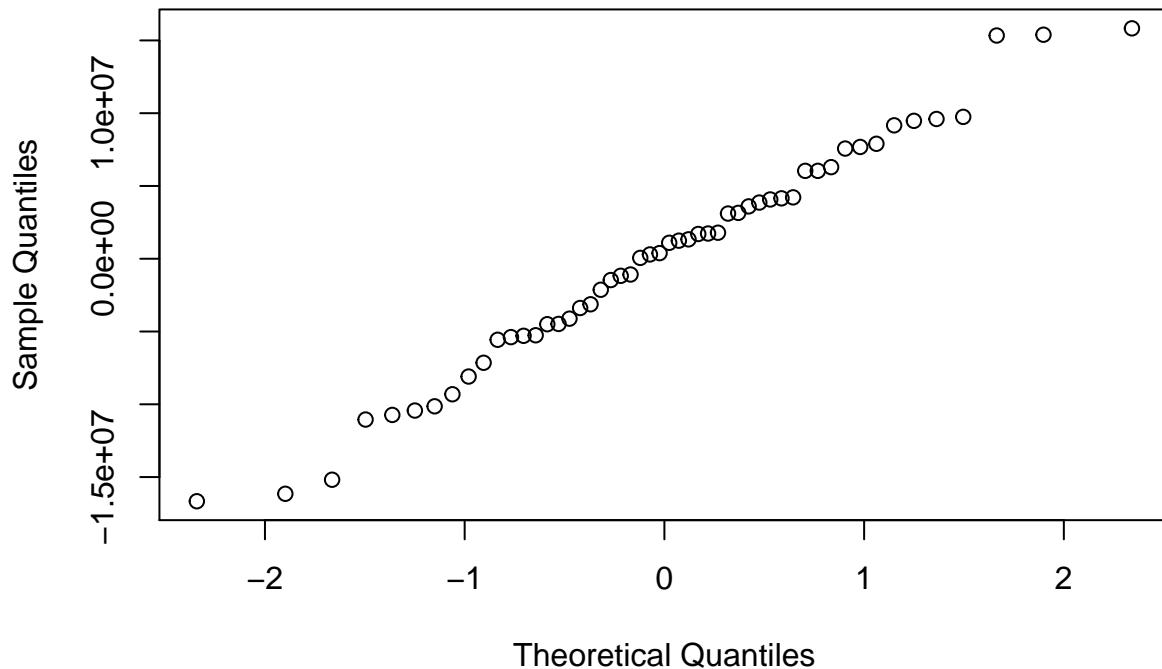
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.num.fireruns  
Plot of fnPFOStransEthnicity**



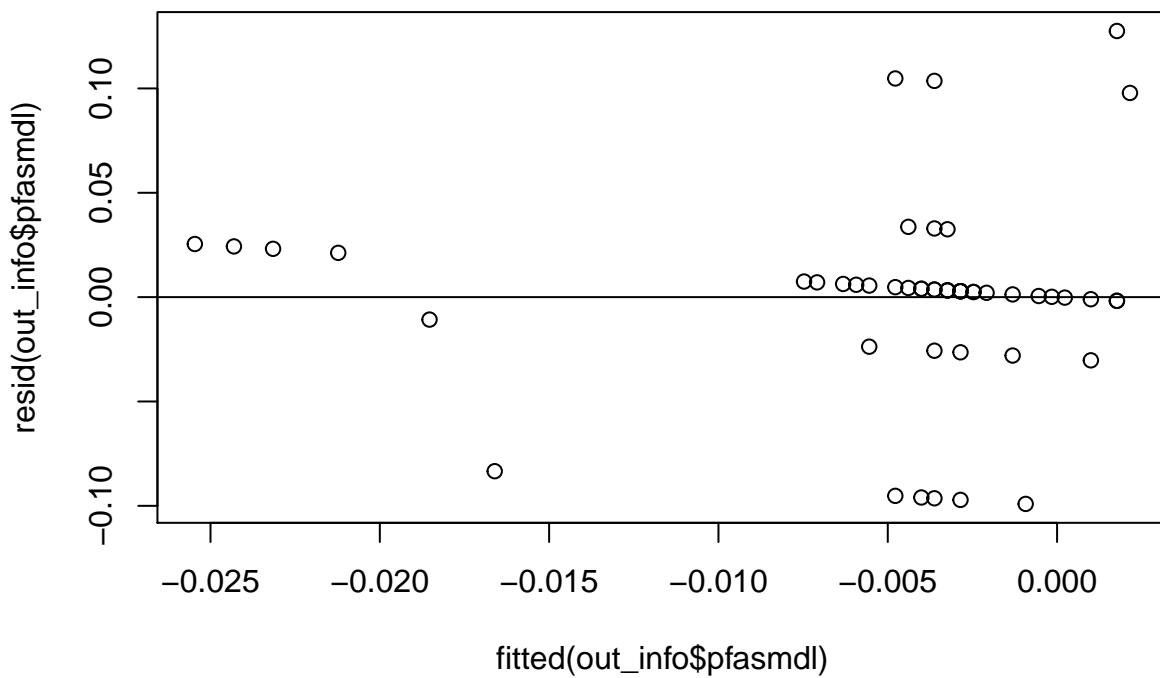
**Normal Q-Q Plot**



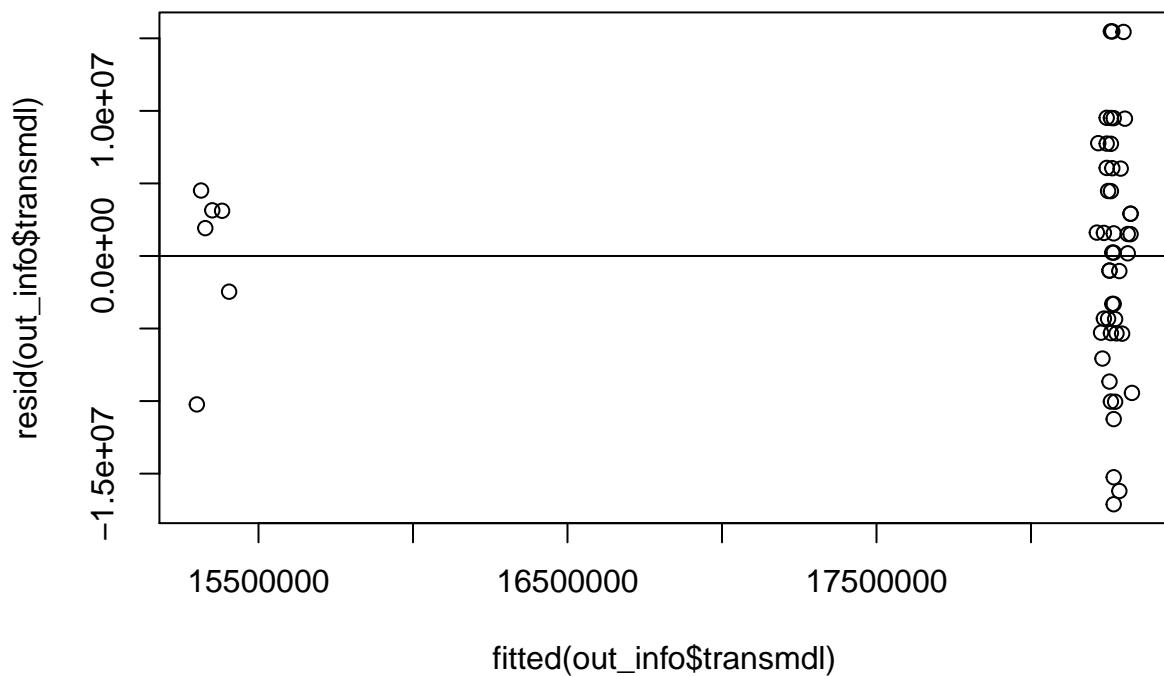
### Normal Q-Q Plot



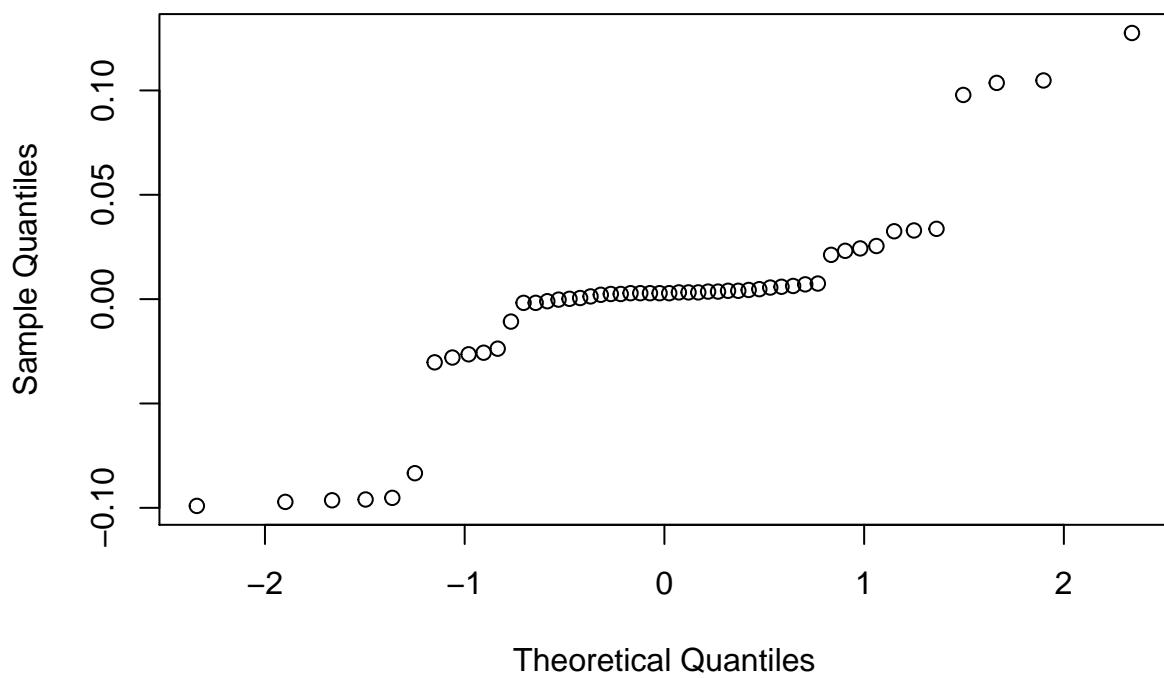
**Plot of PFUAorig+  
Plot of PFUAorigstr.num.fireruns  
Plot of PFUAorigEthnicity**



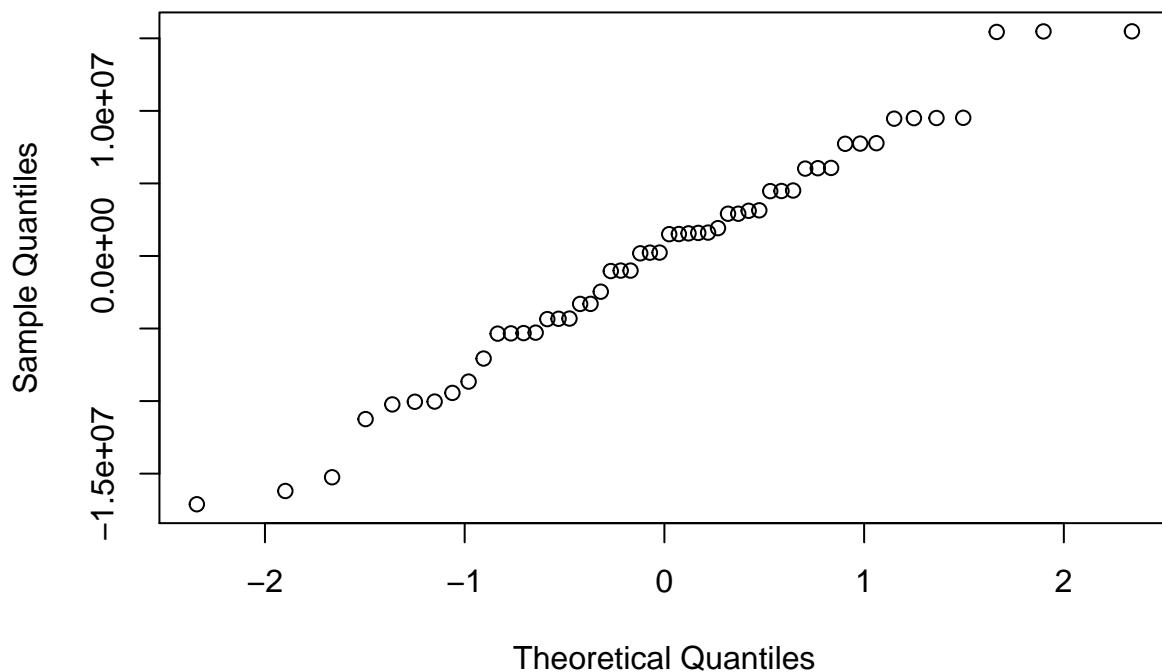
**Plot of fnPFOStrans+  
Plot of fnPFOStransstr.num.fireruns  
Plot of fnPFOStransEthnicity**



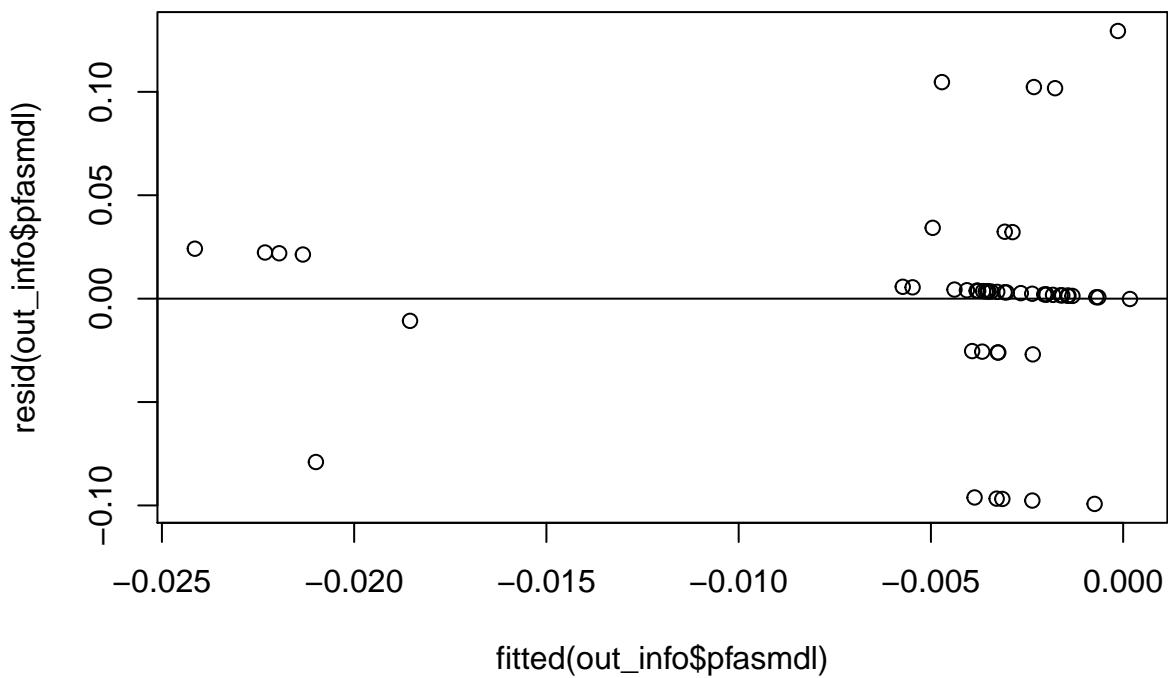
**Normal Q-Q Plot**



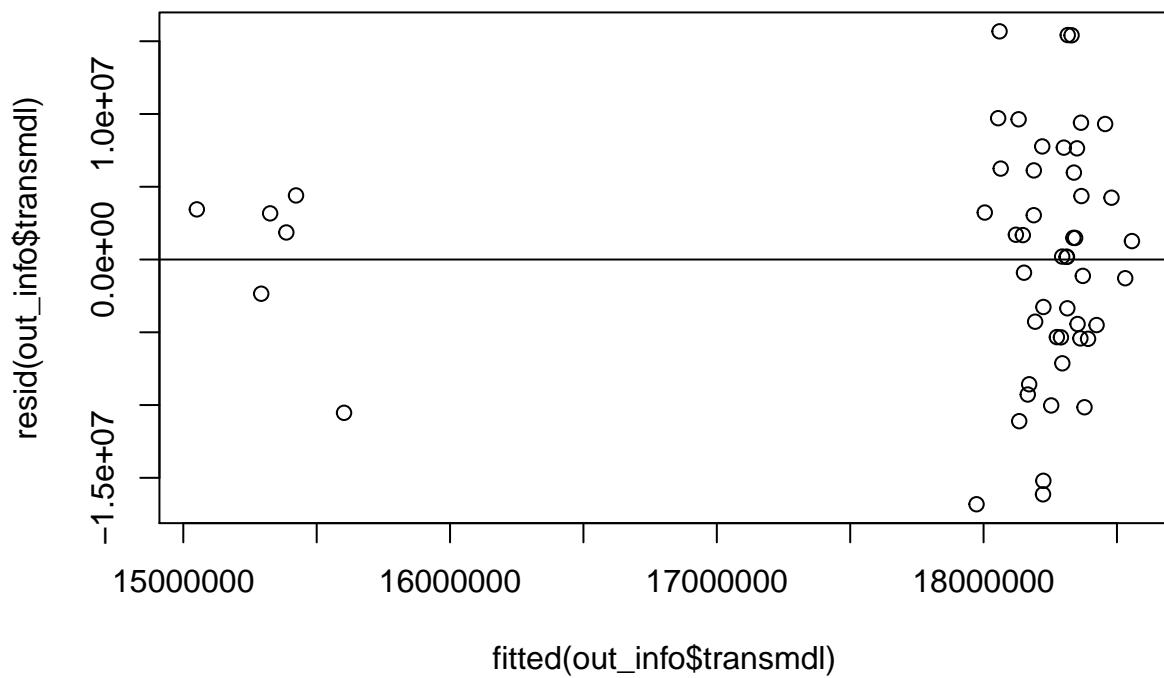
### Normal Q-Q Plot



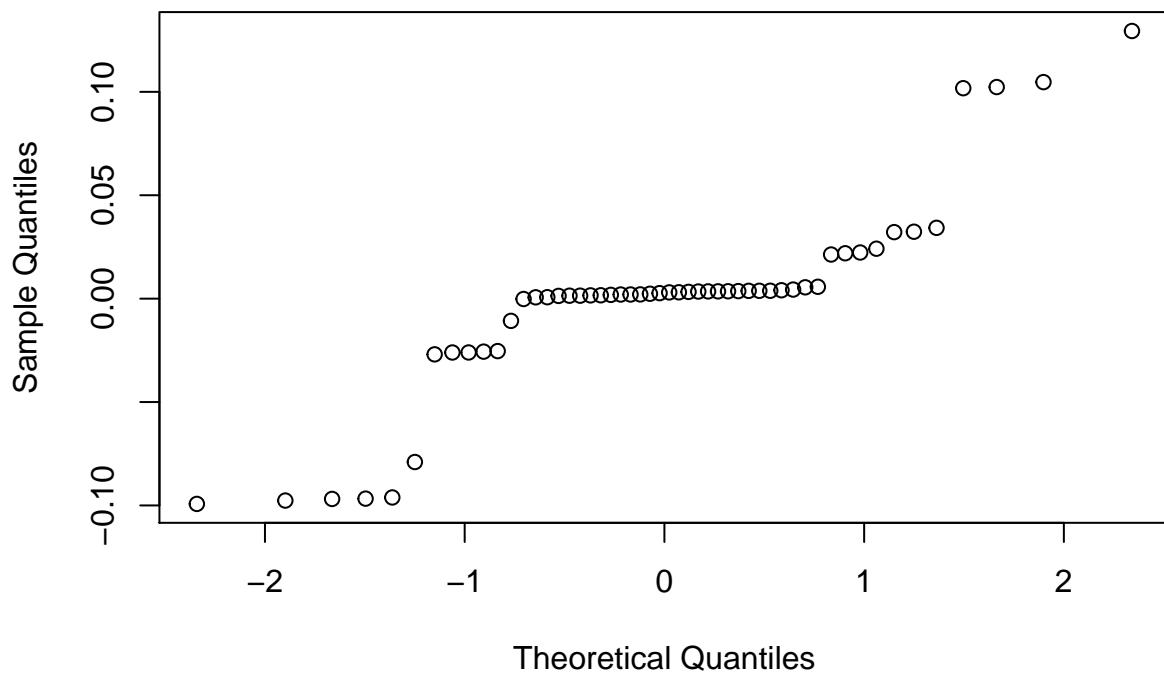
**Plot of PFUAorig+  
Plot of PFUAorigtotal.duration.hrs  
Plot of PFUAorigEthnicity**



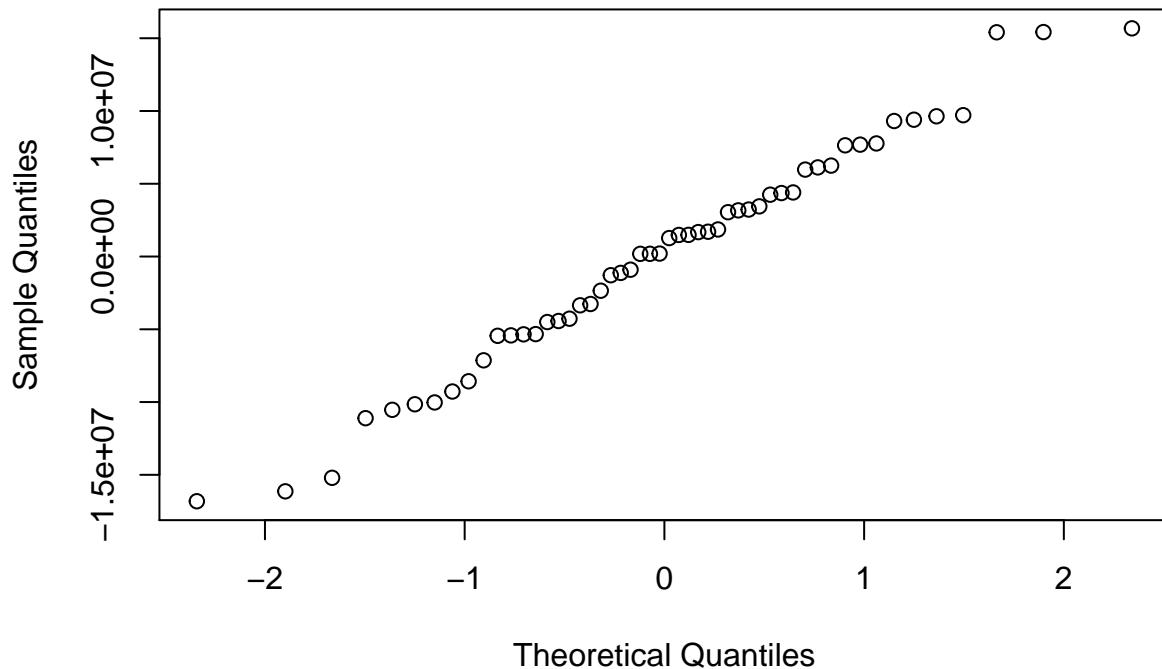
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.duration.hrs  
Plot of fnPFOStransEthnicity**



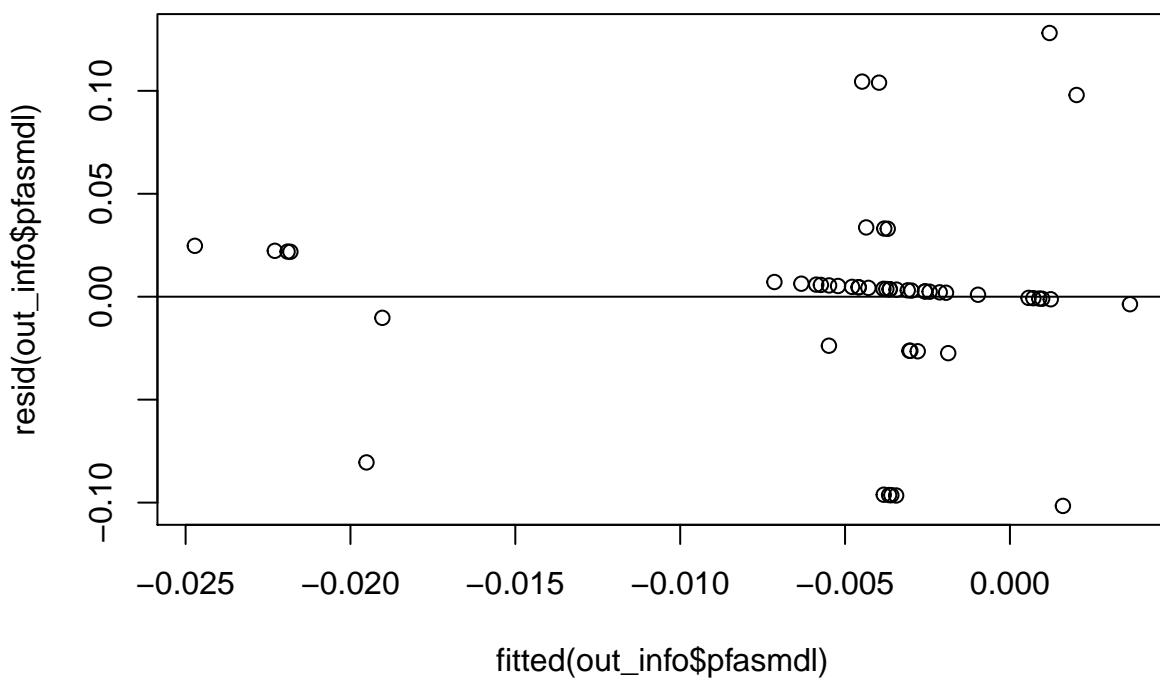
**Normal Q-Q Plot**



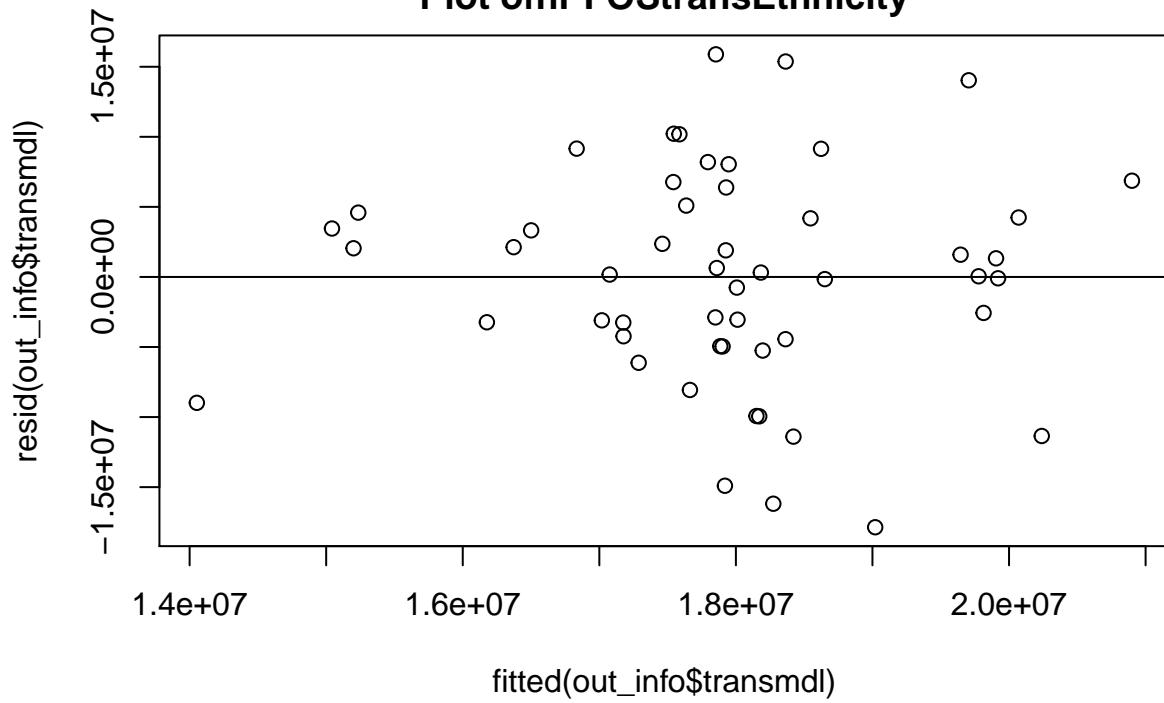
### Normal Q-Q Plot



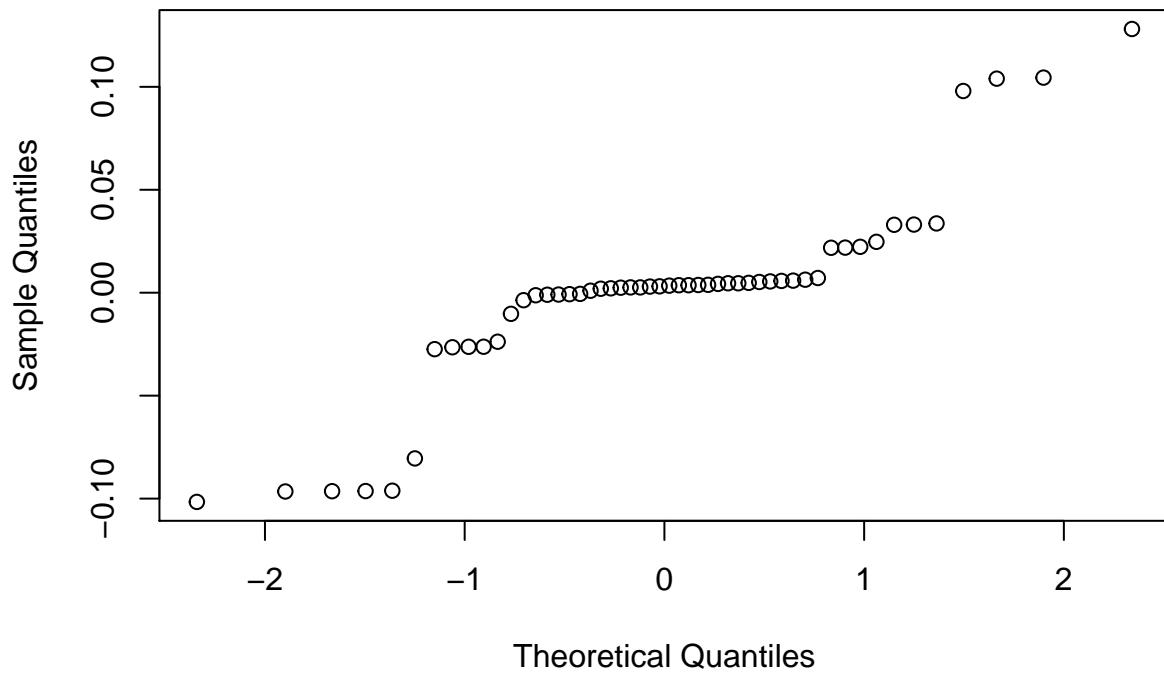
**Plot of PFUAorig+  
Plot of PFUAorigstr.duration.hrs  
Plot of PFUAorigEthnicity**



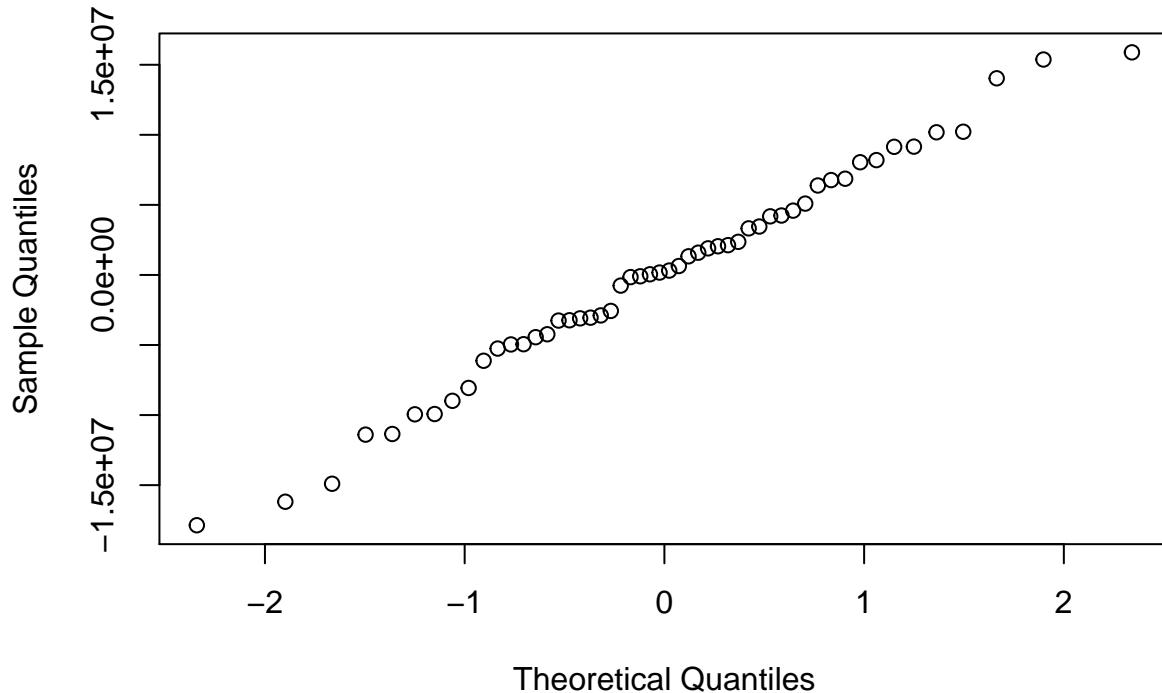
**Plot of nPFOStrans+  
Plot of nPFOStransstr.duration.hrs  
Plot of nPFOStransEthnicity**



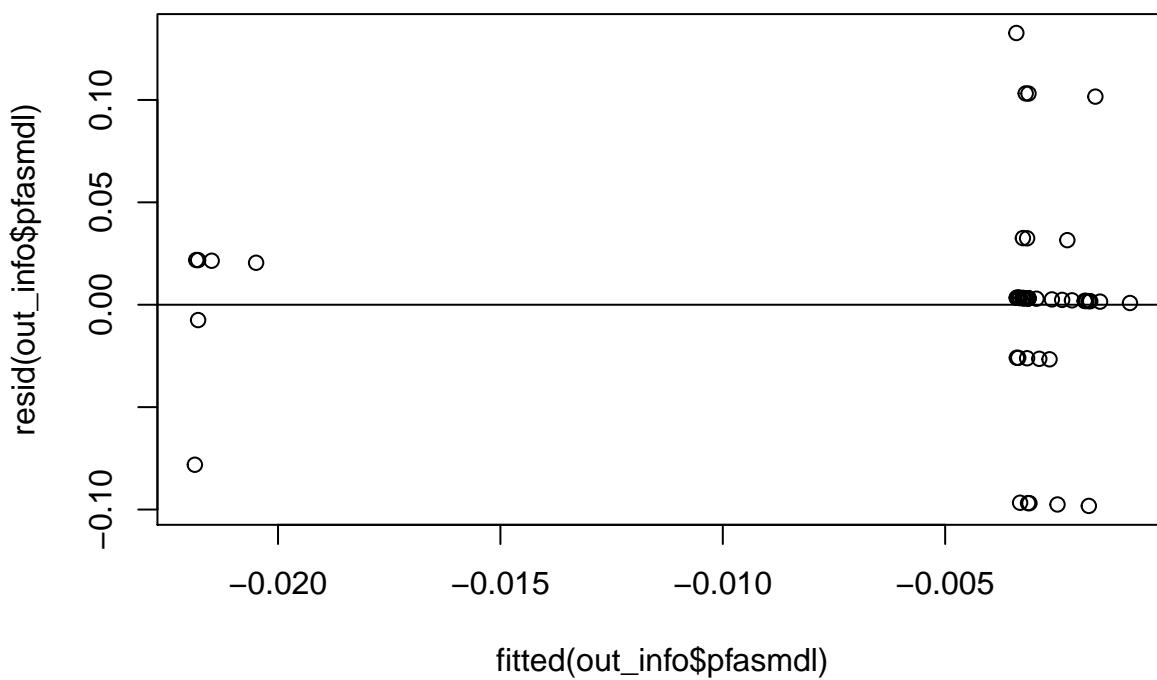
**Normal Q-Q Plot**



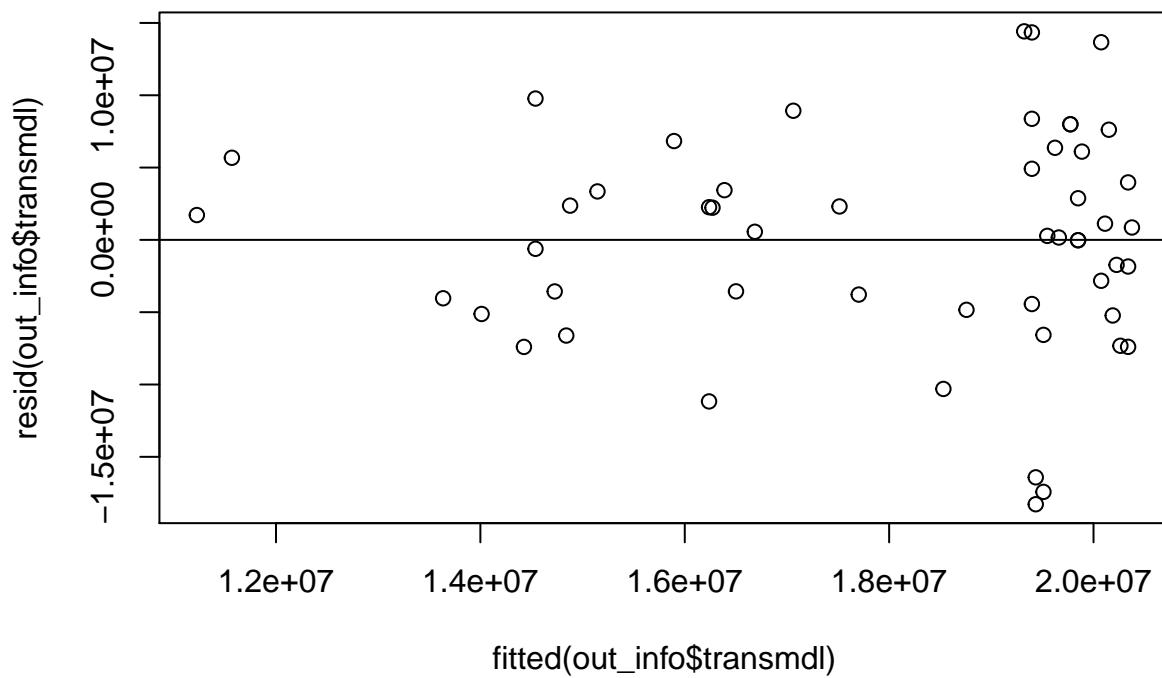
### Normal Q-Q Plot



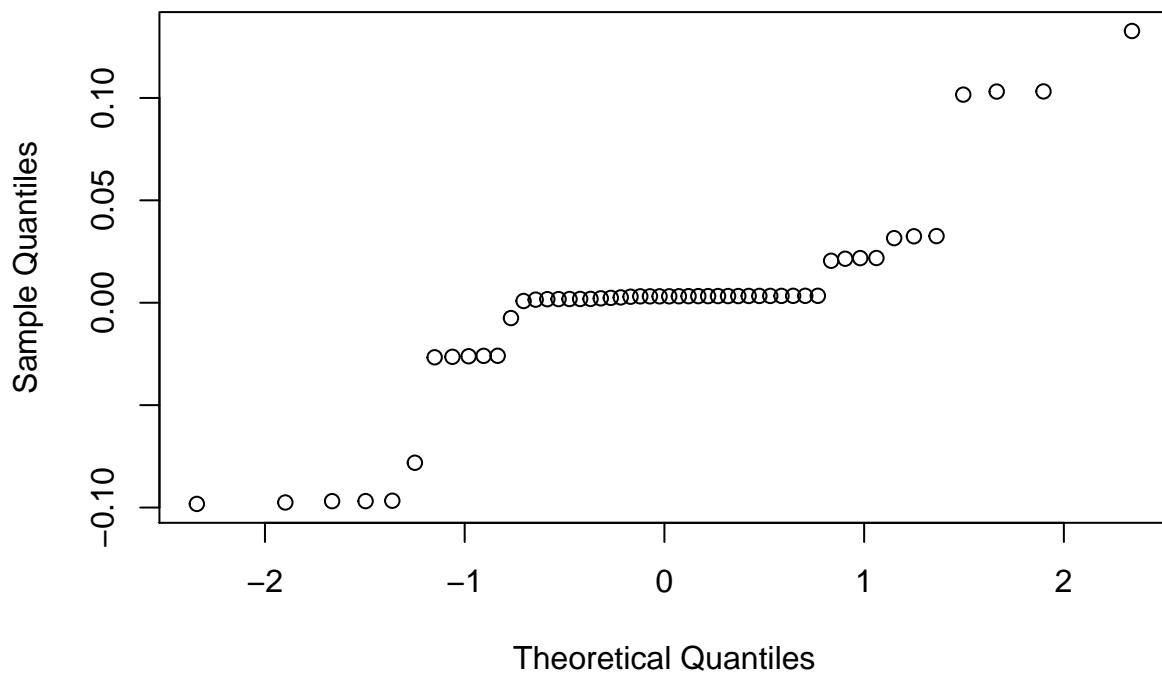
**Plot of PFUAorig+  
Plot of PFUAorigdays.since.MRF  
Plot of PFUAorigEthnicity**



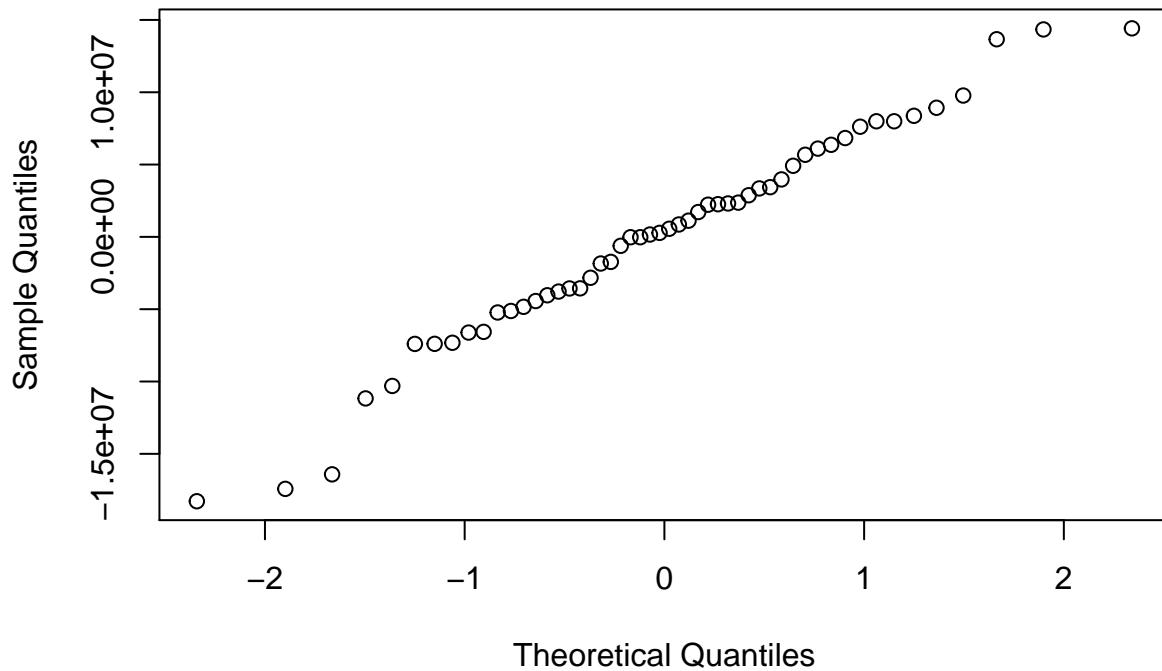
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.MRF  
Plot of fnPFOStransEthnicity**



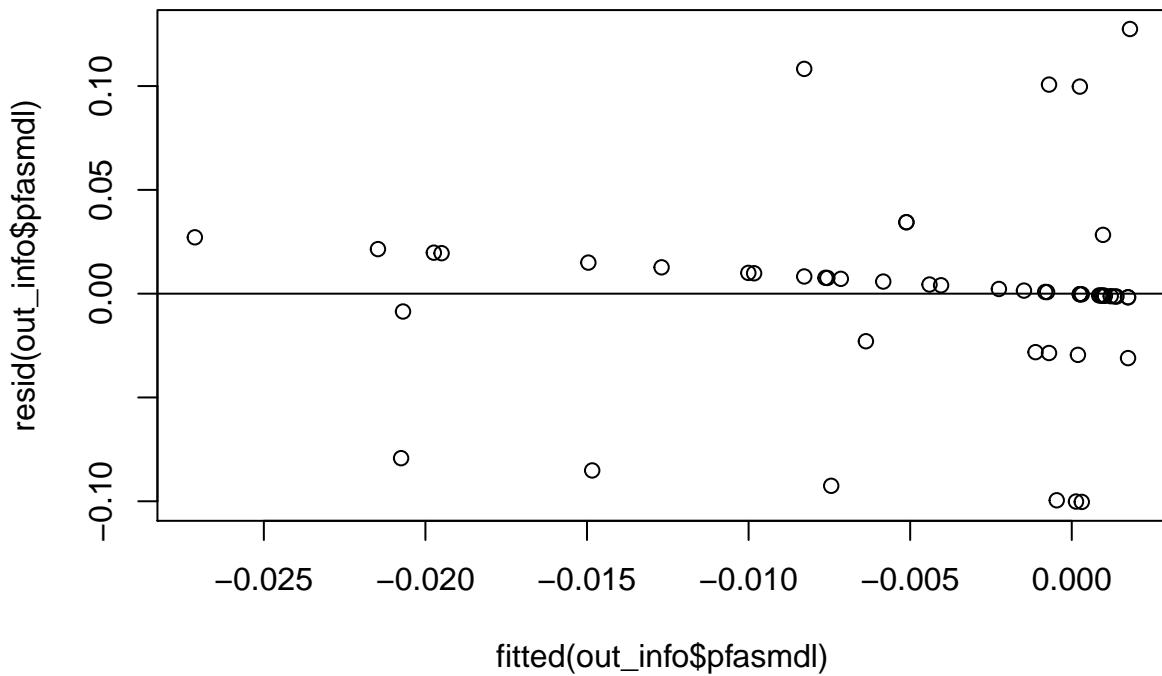
**Normal Q-Q Plot**



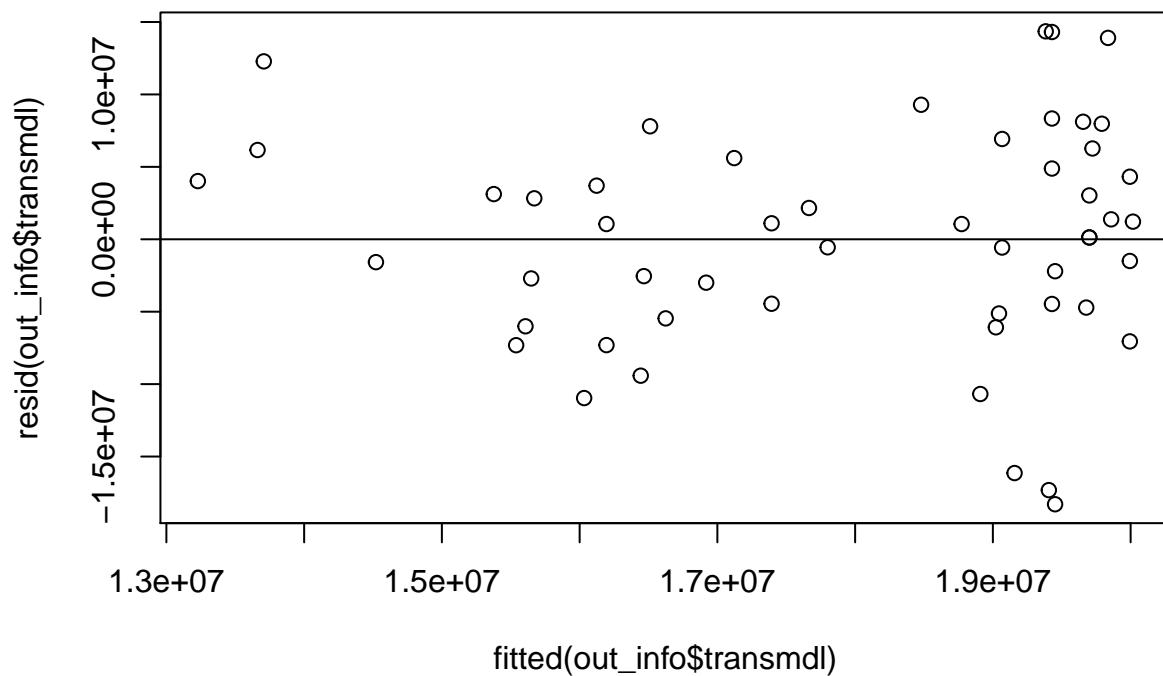
### Normal Q-Q Plot



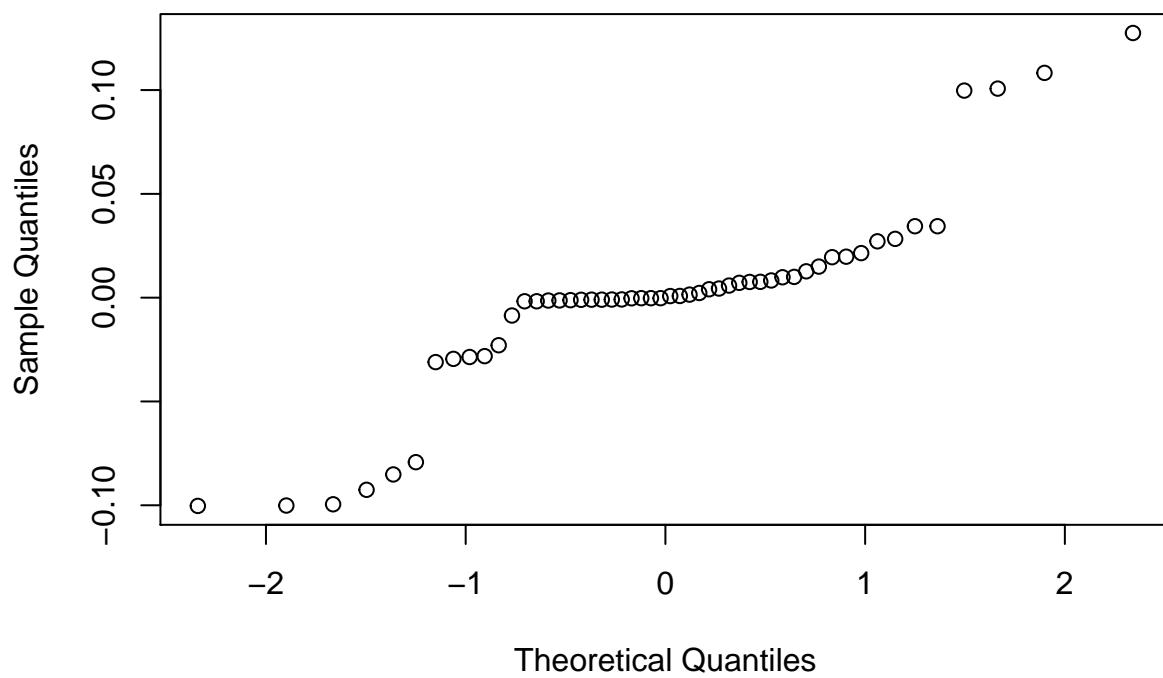
**Plot of PFUAorig+  
Plot of PFUAorigdays.since.struc.MRF  
Plot of PFUAorigEthnicity**



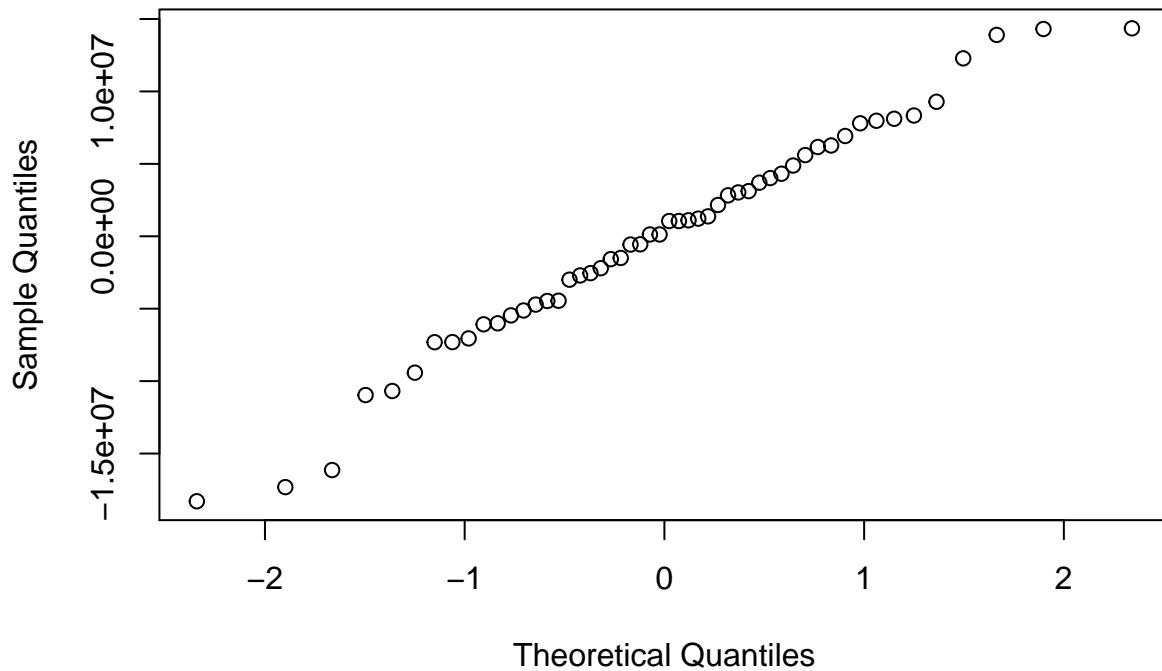
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.struc.MRF  
Plot of fnPFOStransEthnicity**



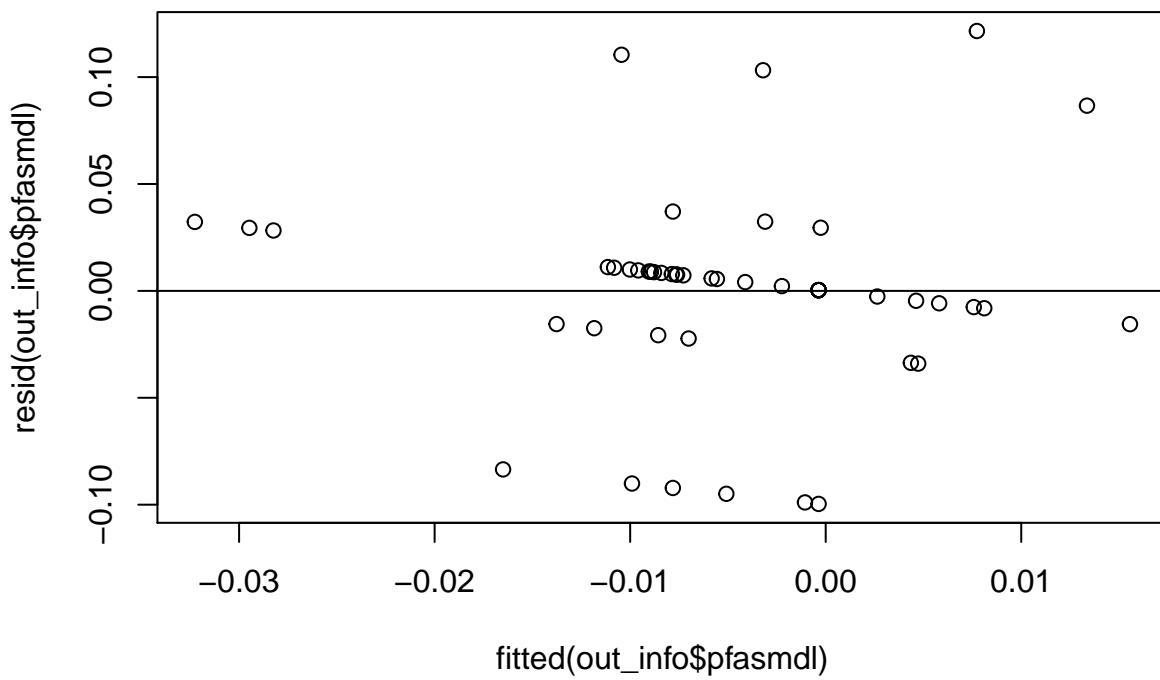
**Normal Q-Q Plot**



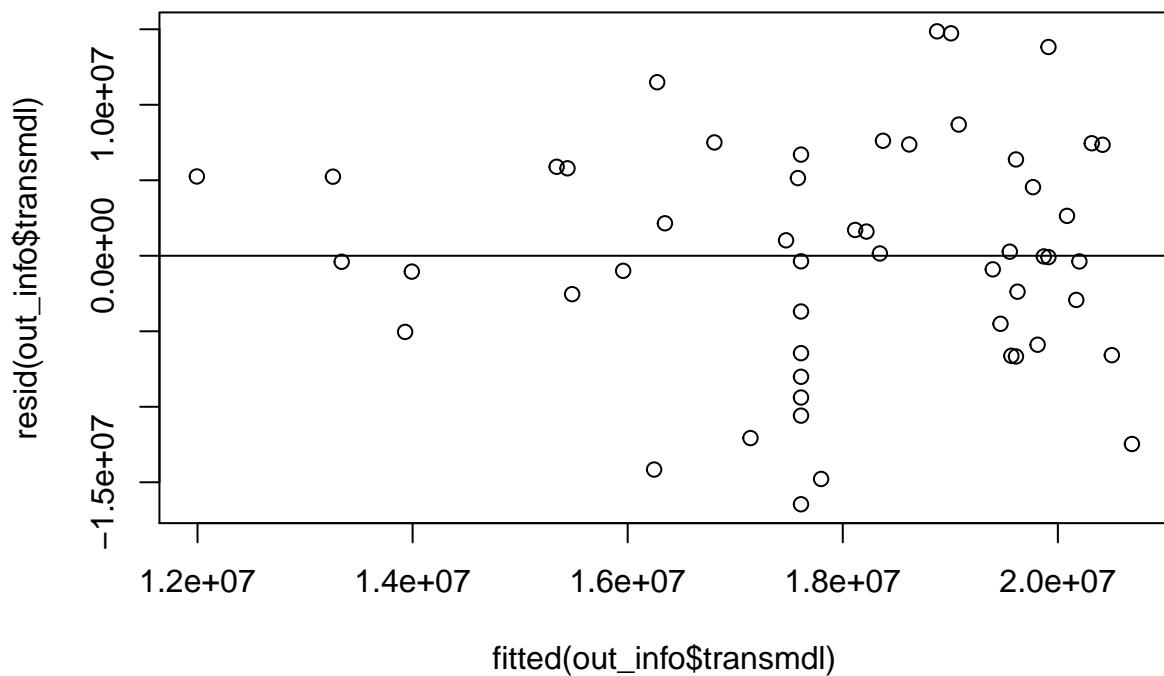
### Normal Q-Q Plot



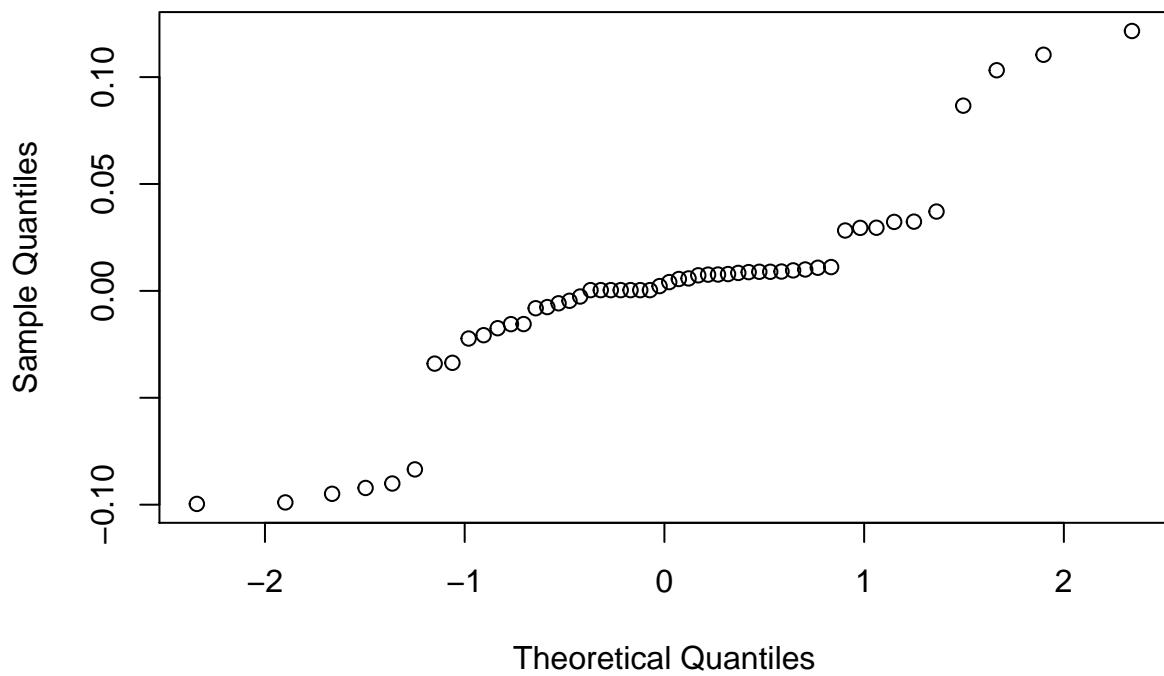
Plot of PFUAorig+  
Plot of PFUAorigtime.since.baseline  
Plot of PFUAorigEthnicity



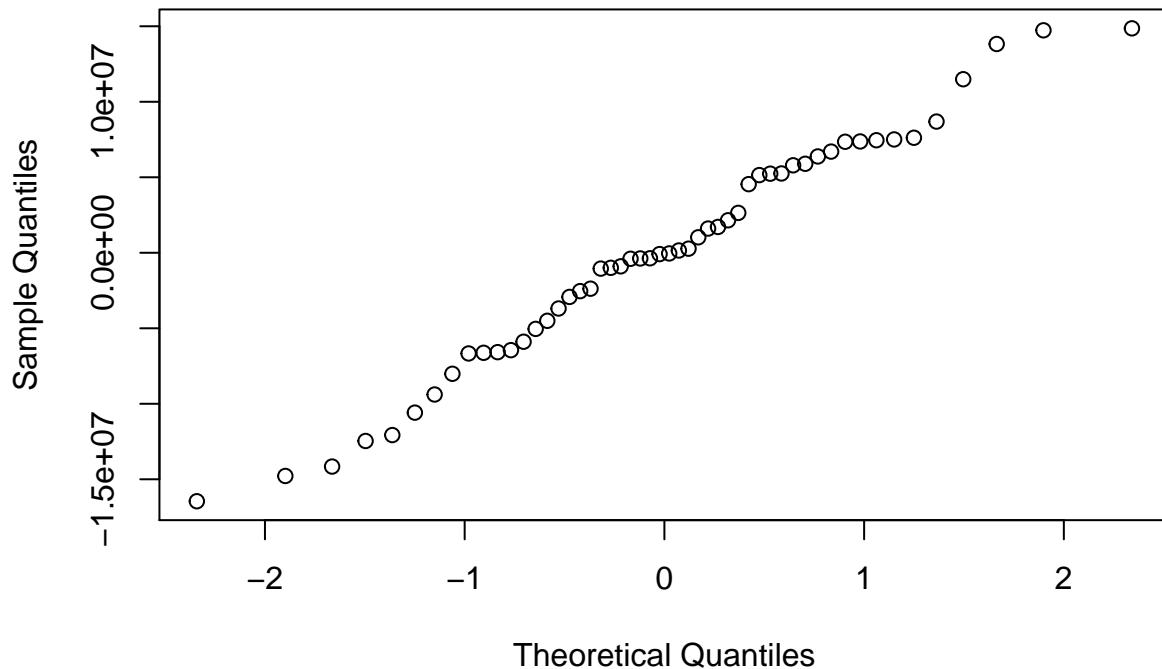
**Plot of nPFOStrans+  
Plot of nPFOStranstime.since.baseline  
Plot of nPFOStransEthnicity**



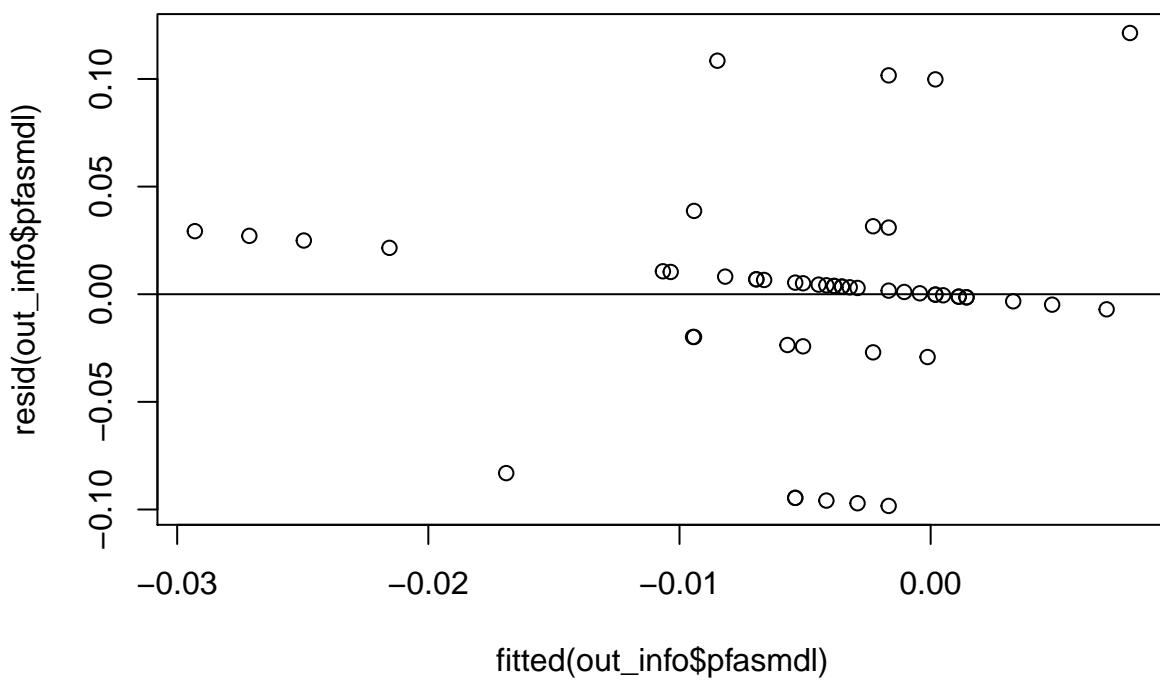
**Normal Q-Q Plot**



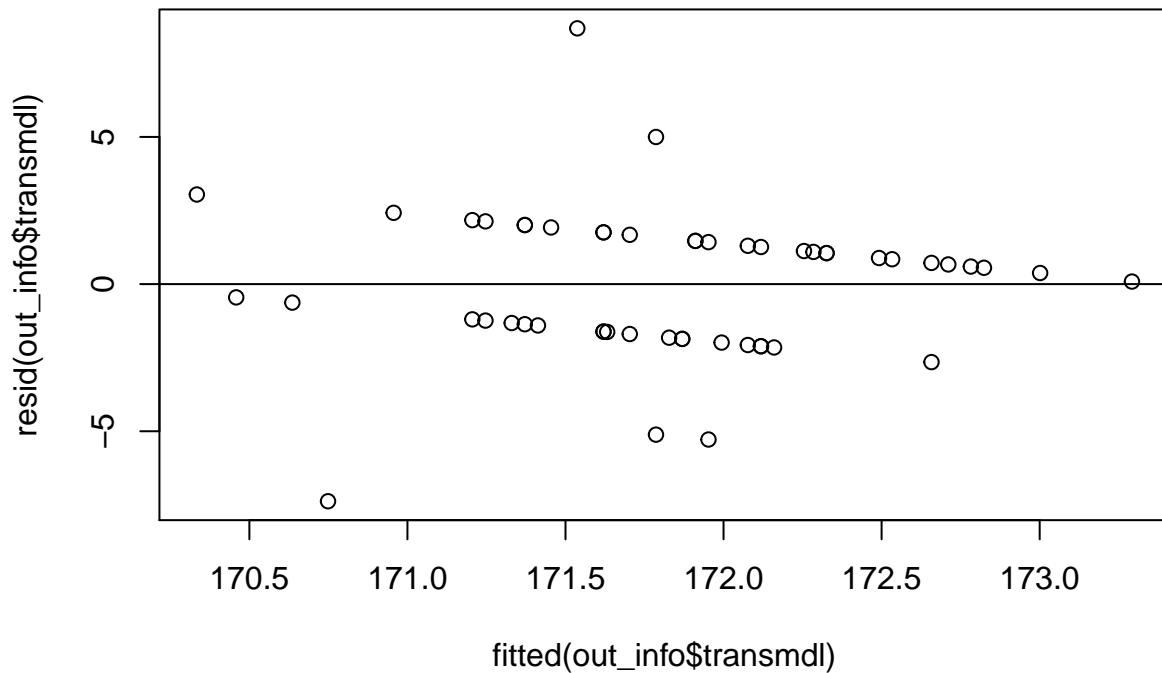
### Normal Q-Q Plot



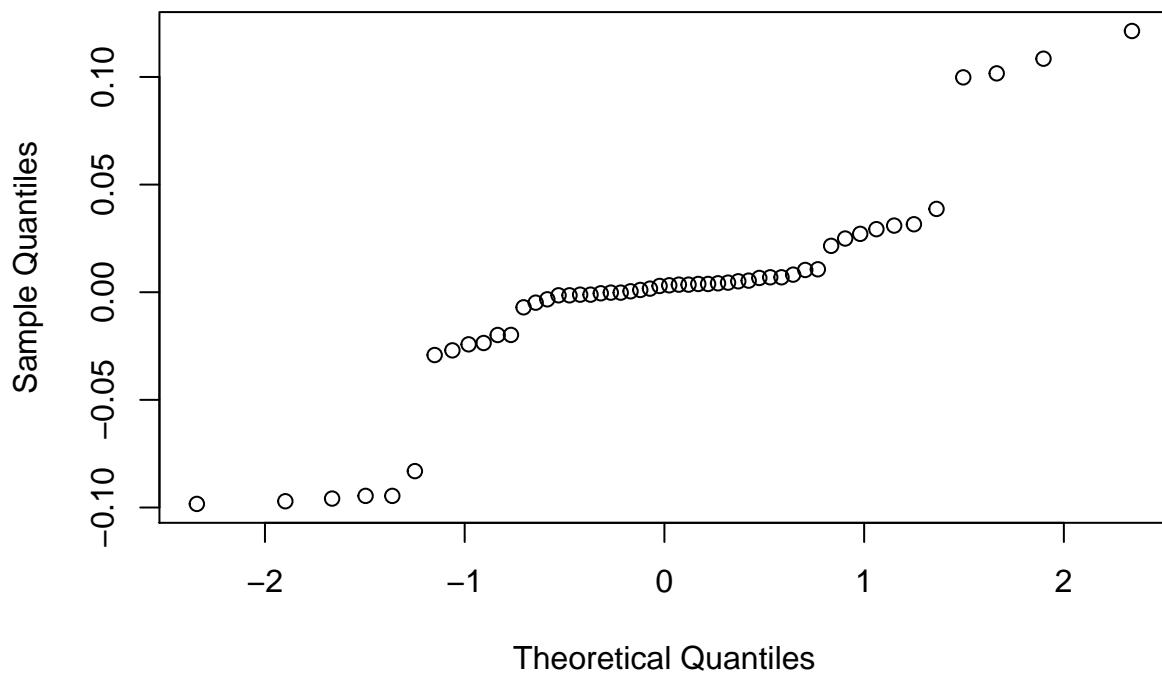
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



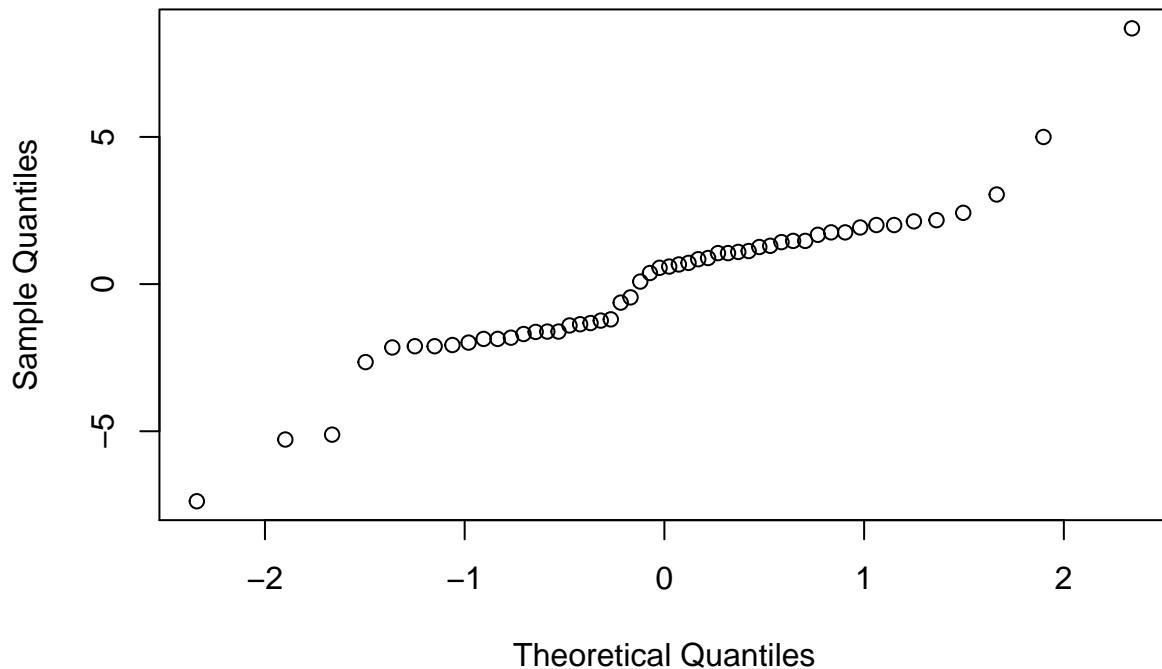
**Plot of PFDEAtrans+  
Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



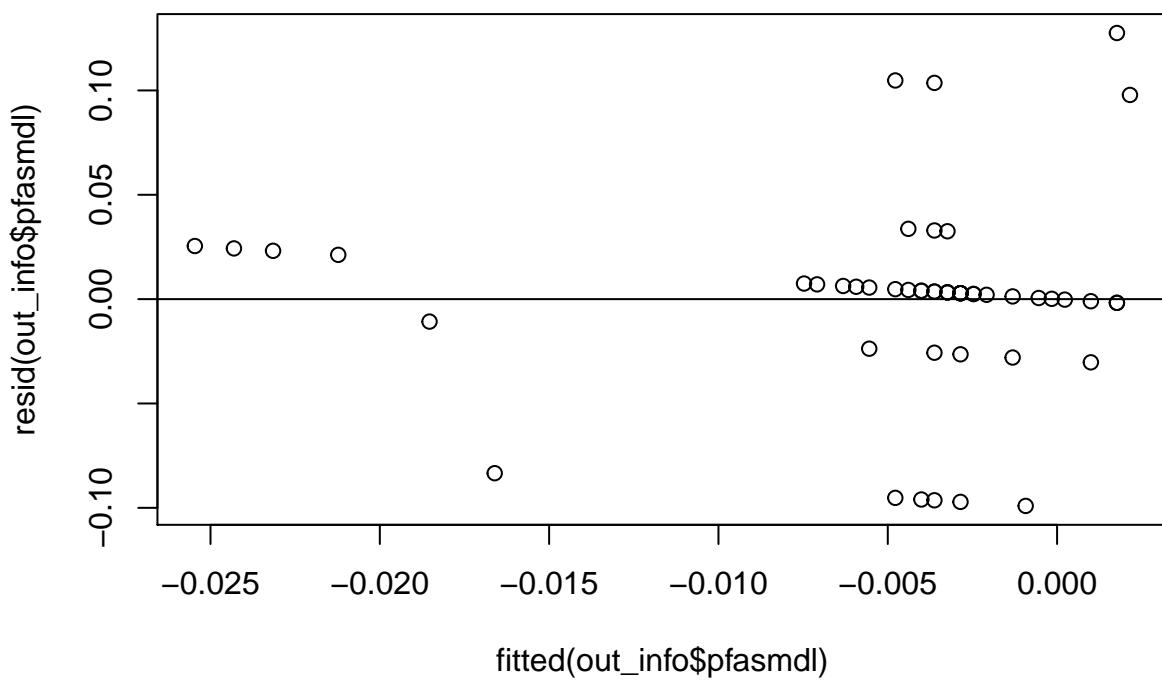
**Normal Q-Q Plot**



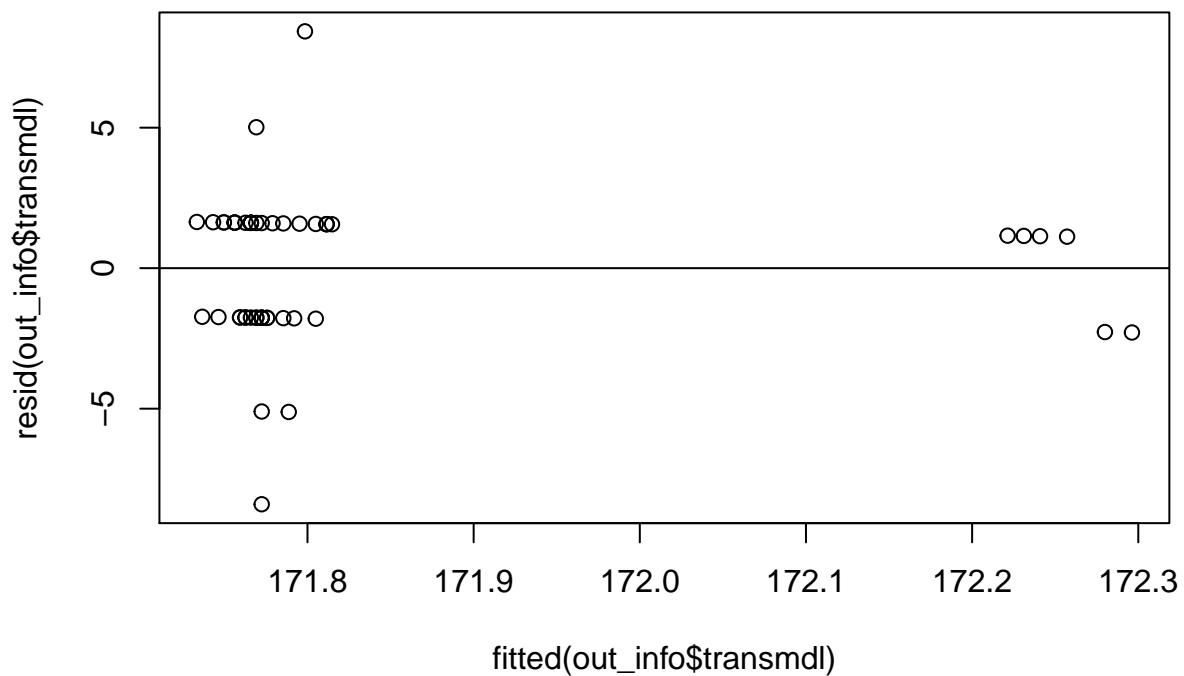
### Normal Q-Q Plot



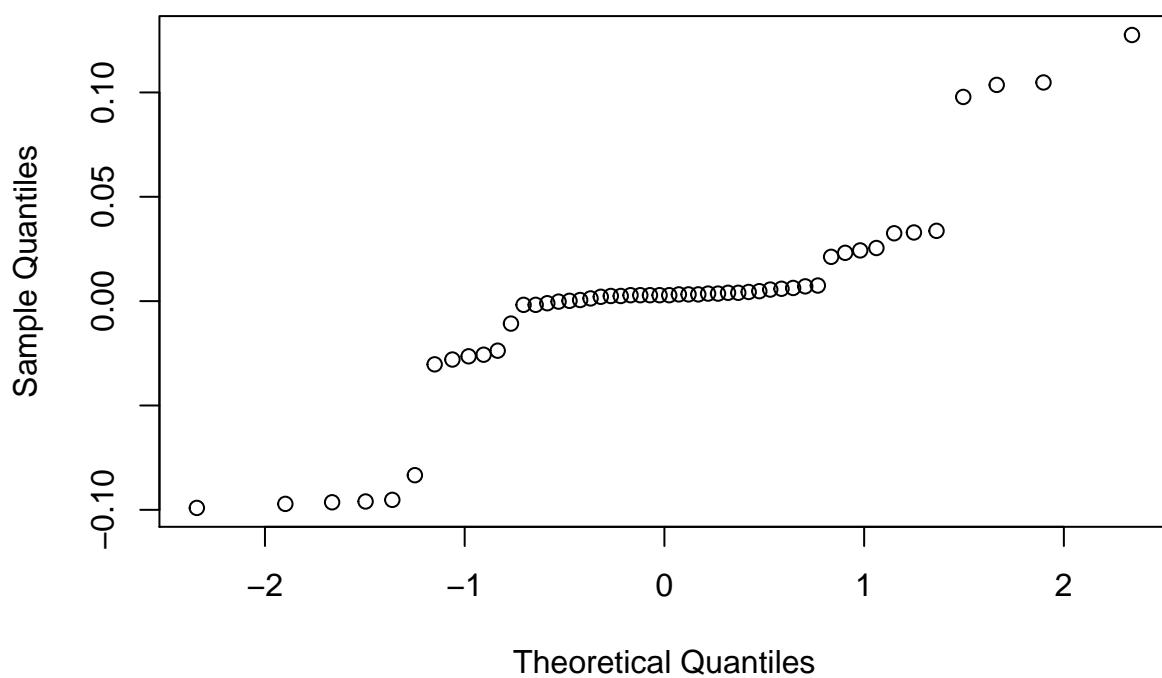
Plot of PFUAorig+  
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Plot of PFUAorigEthnicity



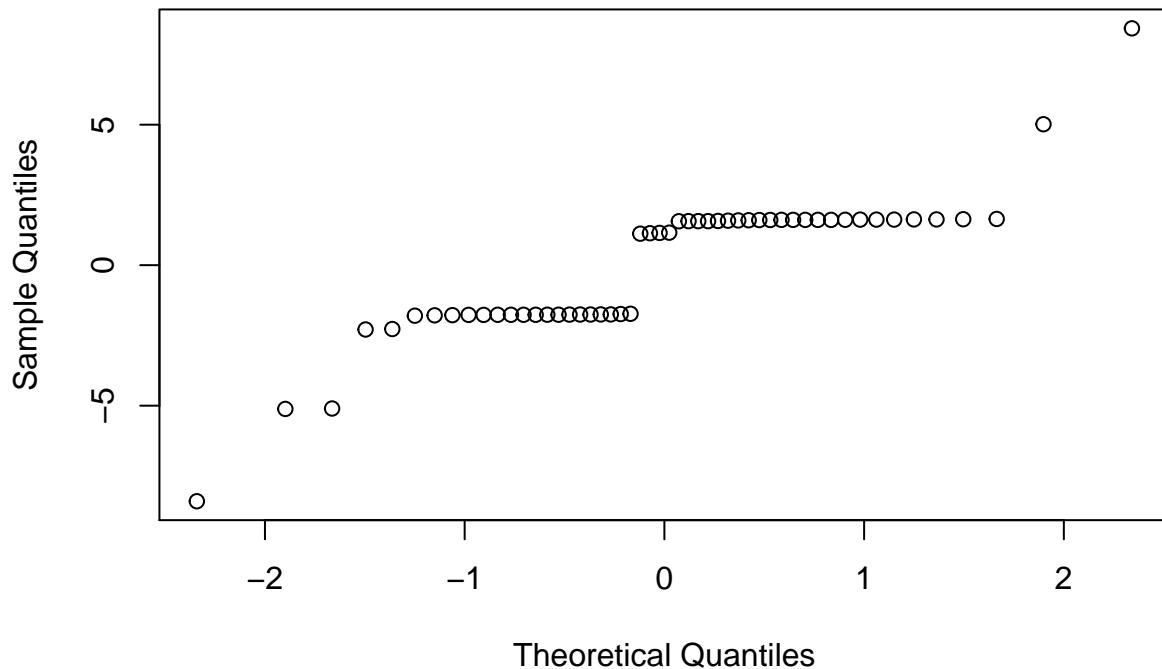
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



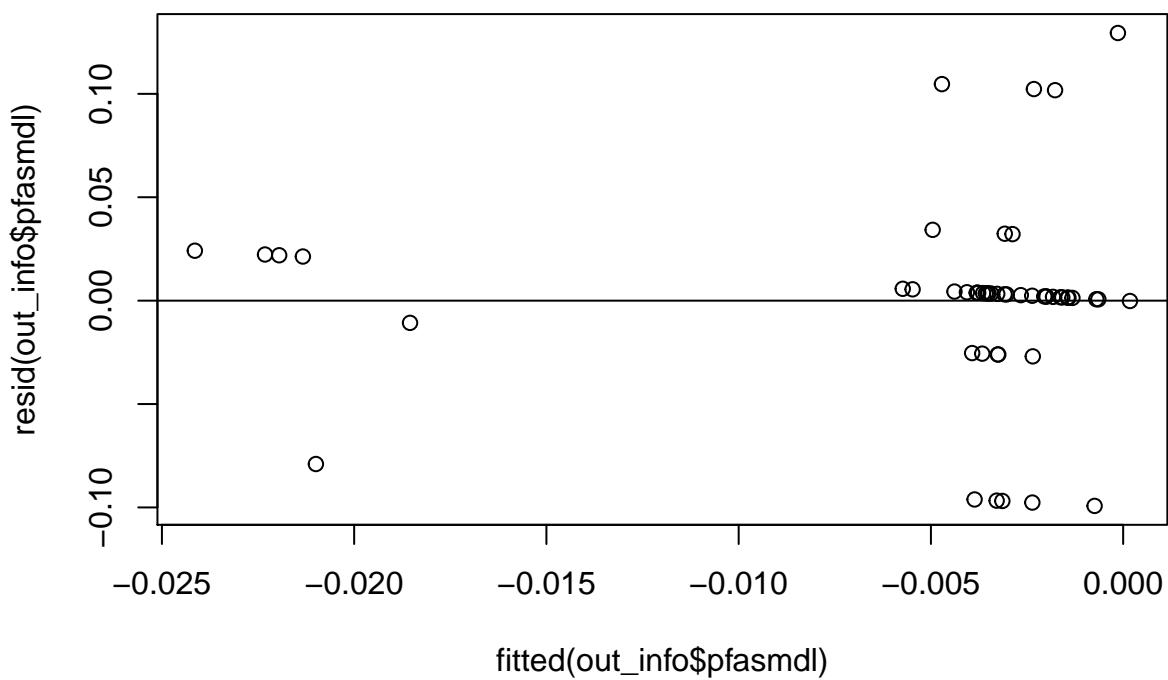
**Normal Q-Q Plot**



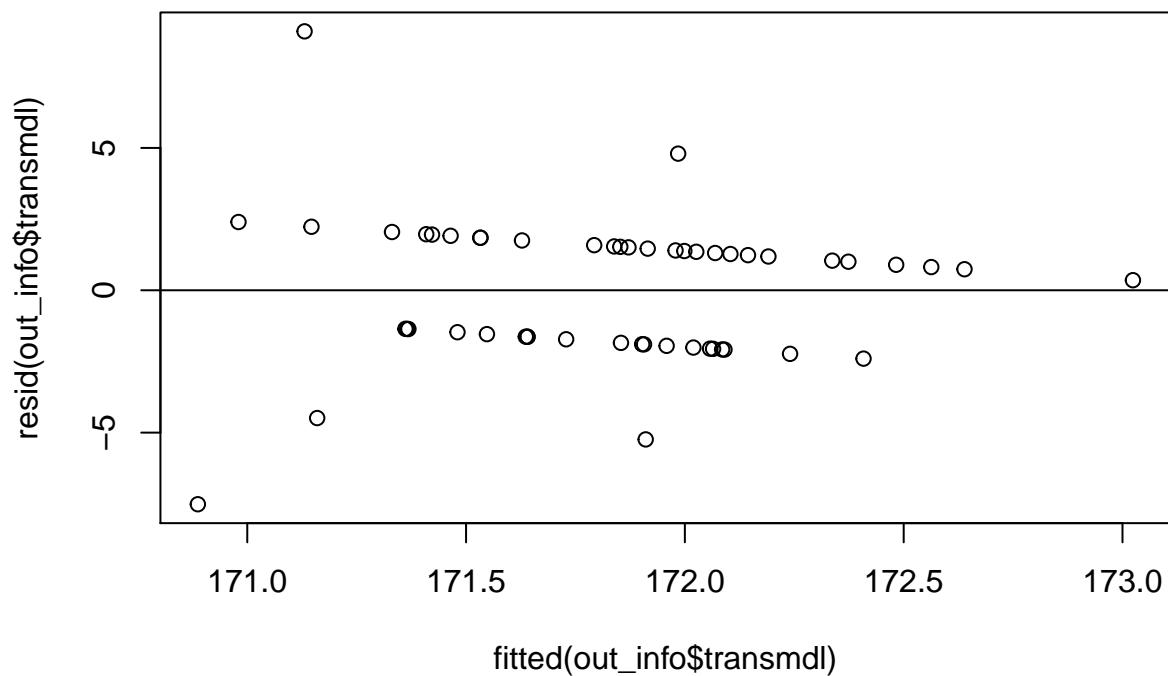
### Normal Q-Q Plot



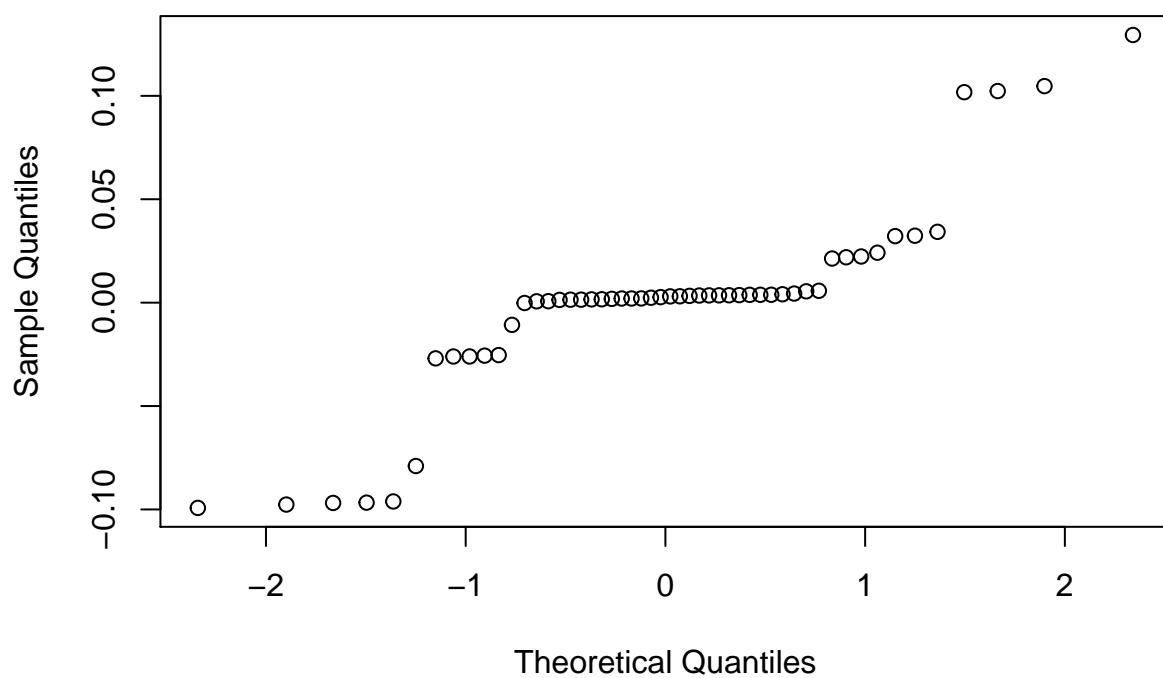
**Plot of PFUAorig+  
Plot of PFUAorigtotal.duration.hrs  
Plot of PFUAorigEthnicity**



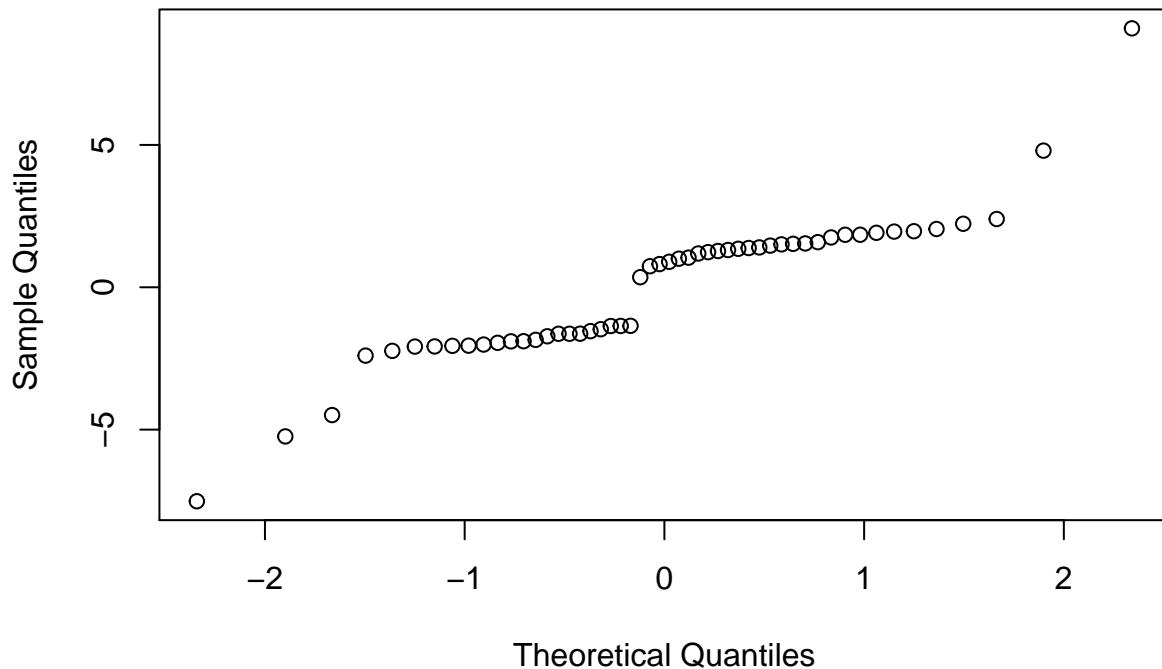
**Plot of PFDEAtrans+  
Plot of PFDEAtran\$total.duration.hrs  
Plot of PFDEAtrans\$Ethnicity**



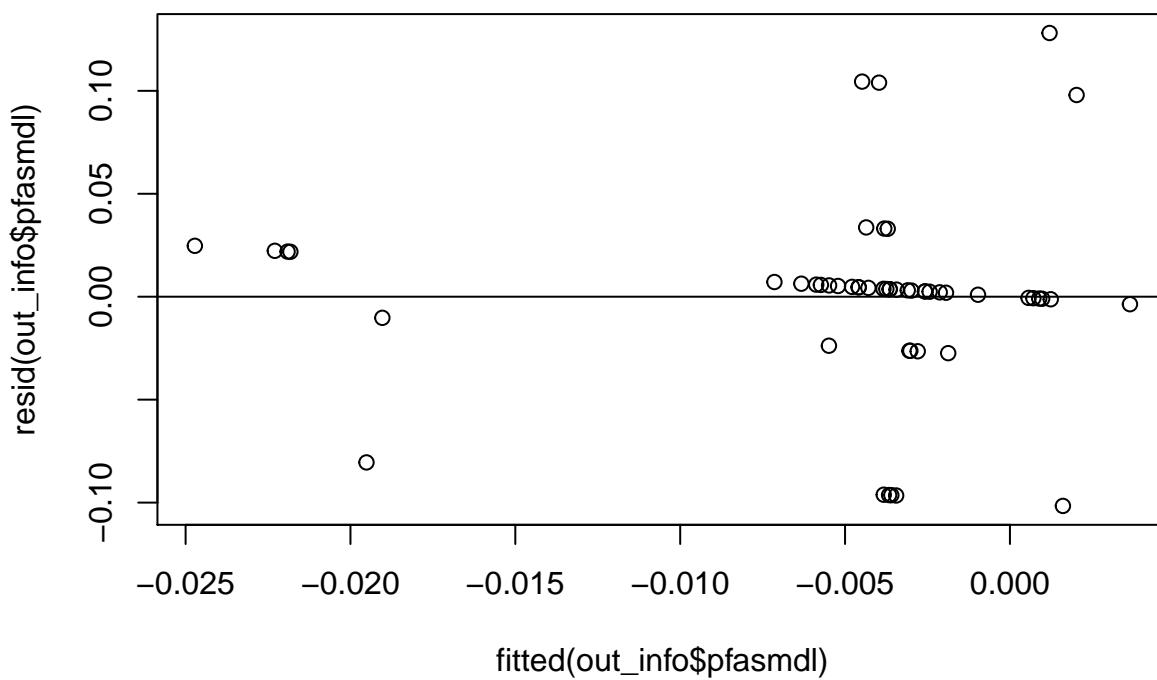
**Normal Q-Q Plot**



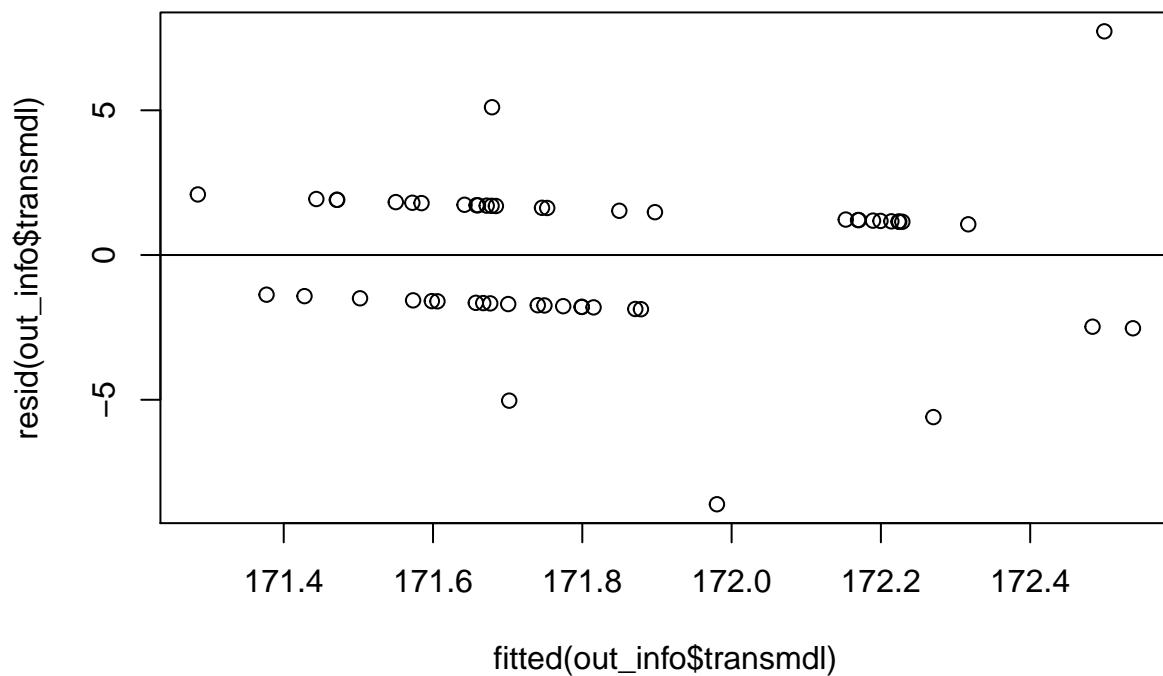
### Normal Q-Q Plot



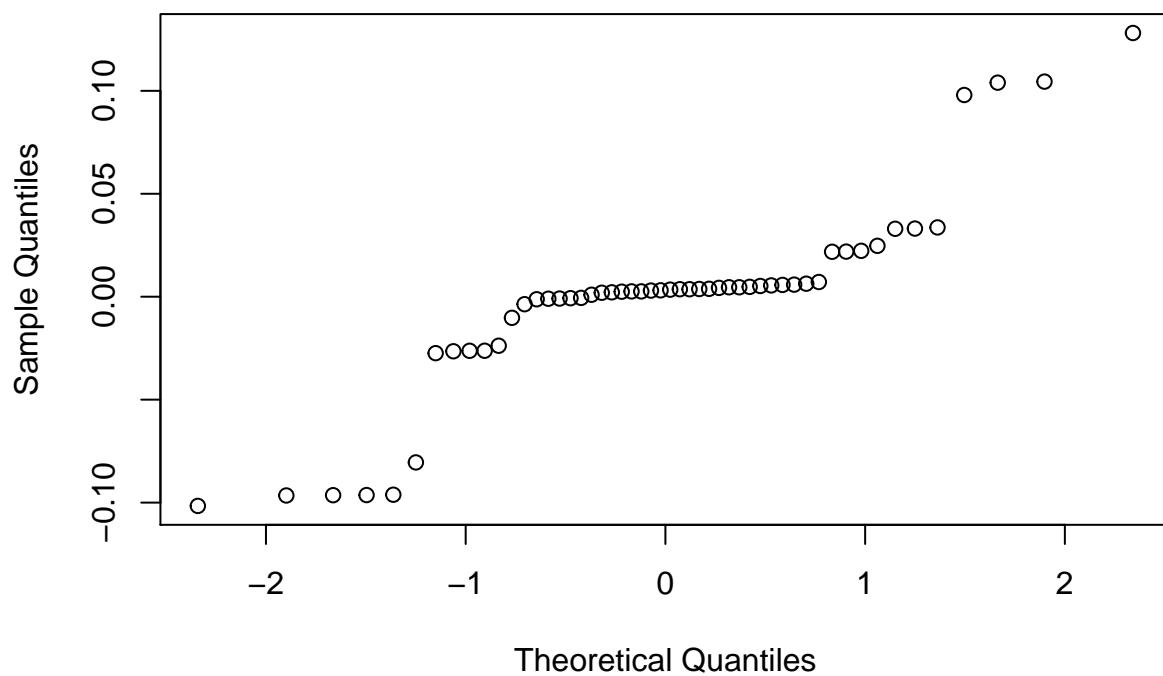
Plot of PFUAorig+  
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Plot of PFUAorigEthnicity



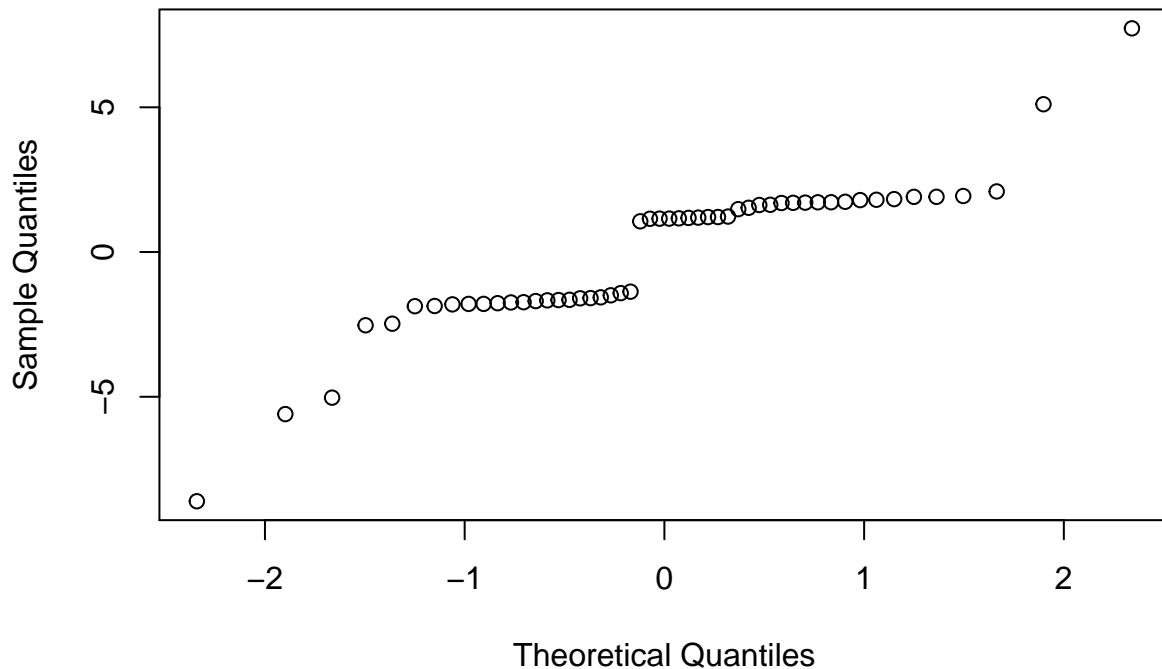
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



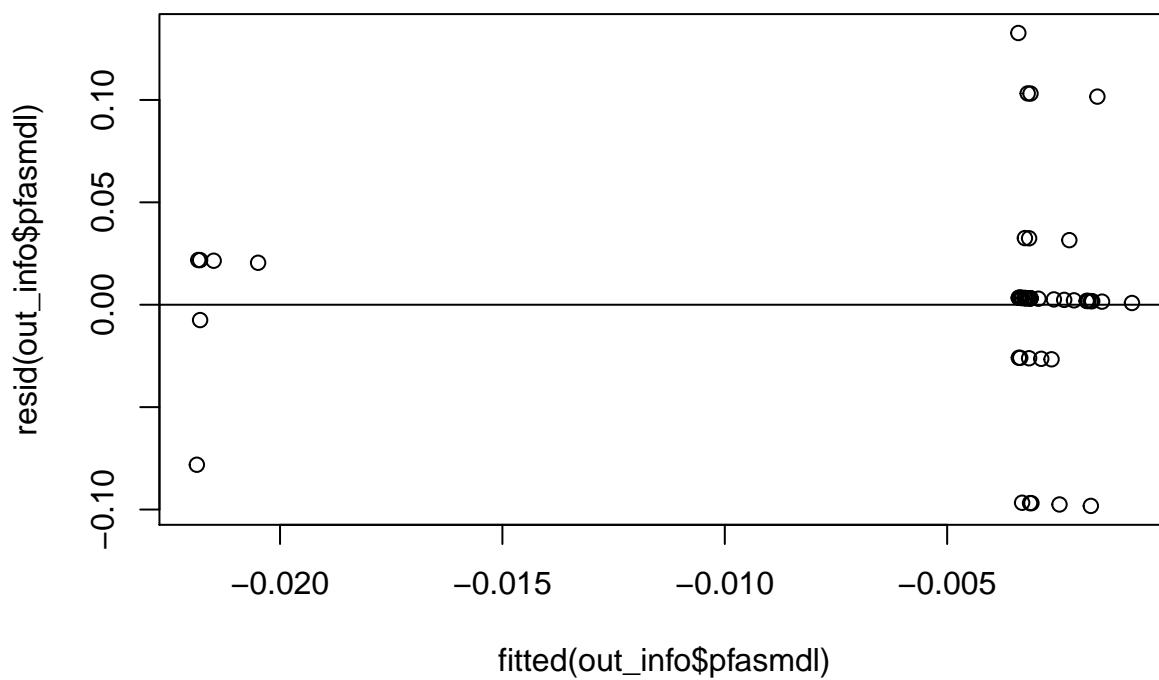
**Normal Q-Q Plot**



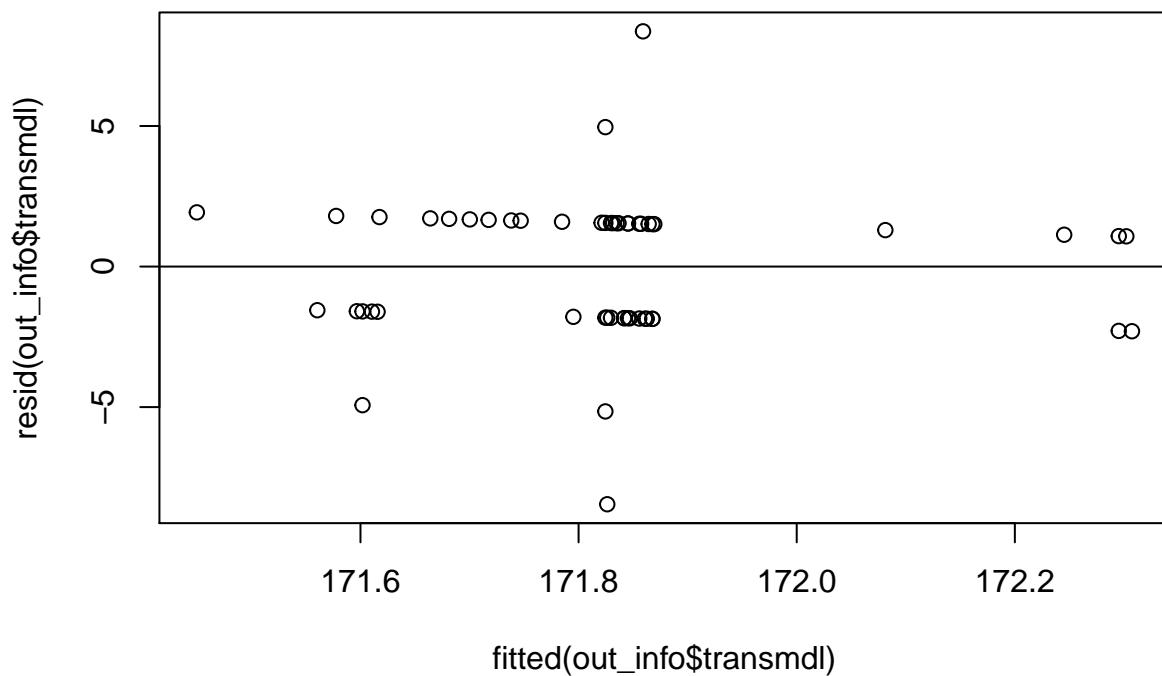
### Normal Q-Q Plot



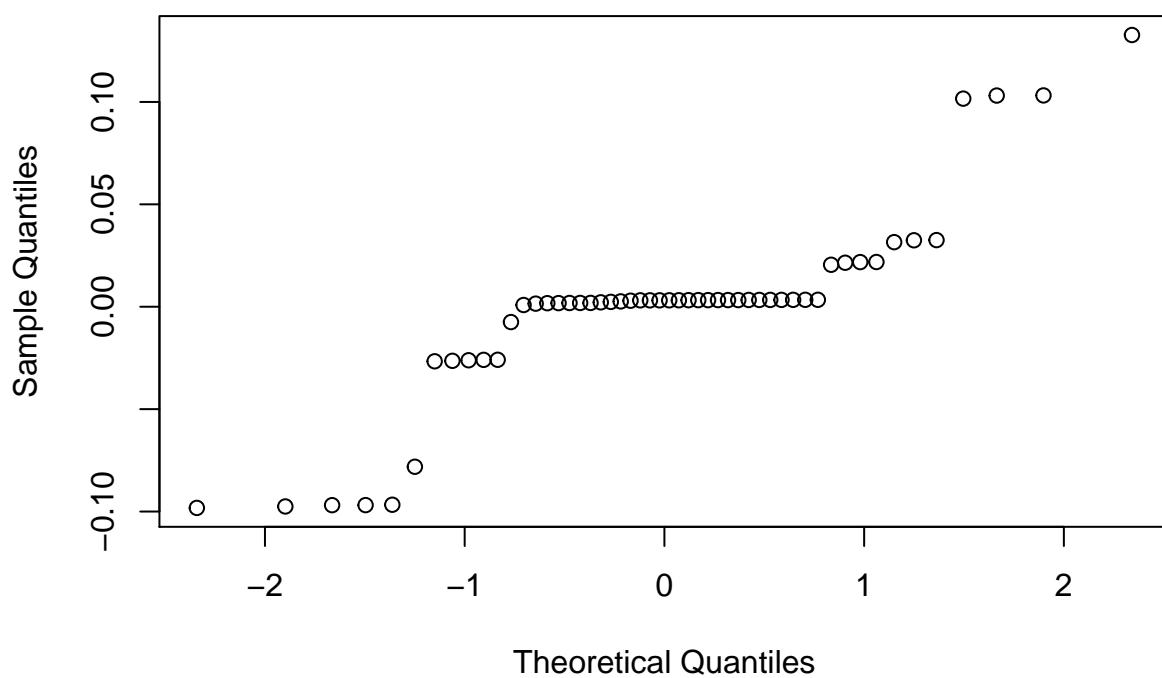
Plot of PFUAorig+  
Plot of PFUAorigdays.since.MRF  
Plot of PFUAorigEthnicity



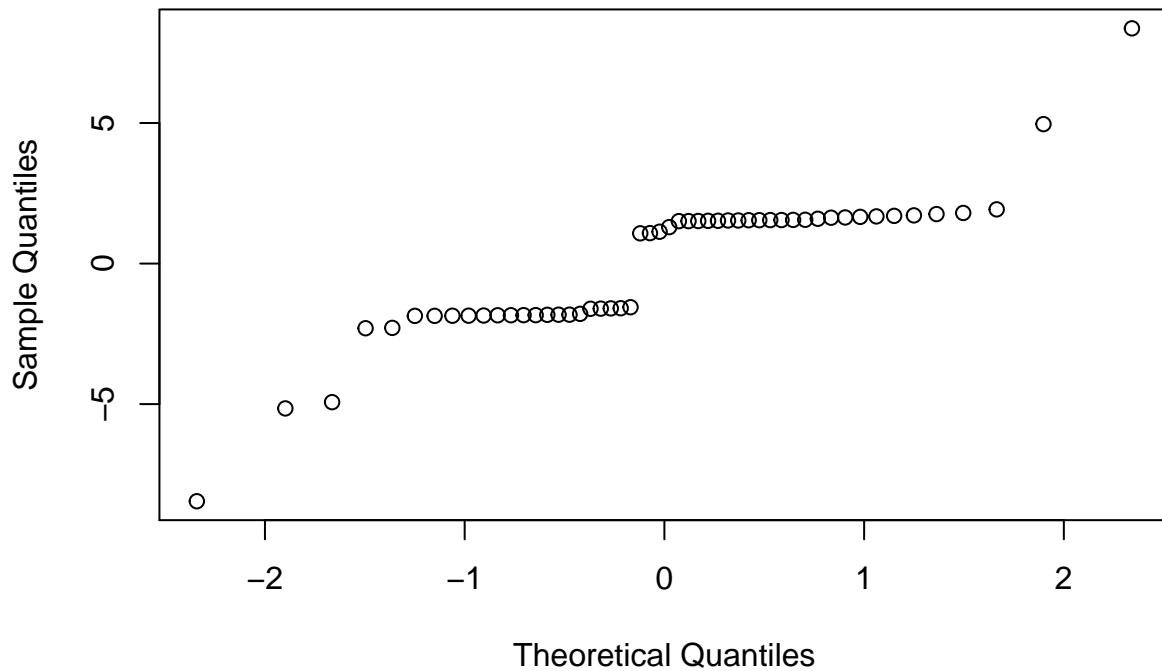
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



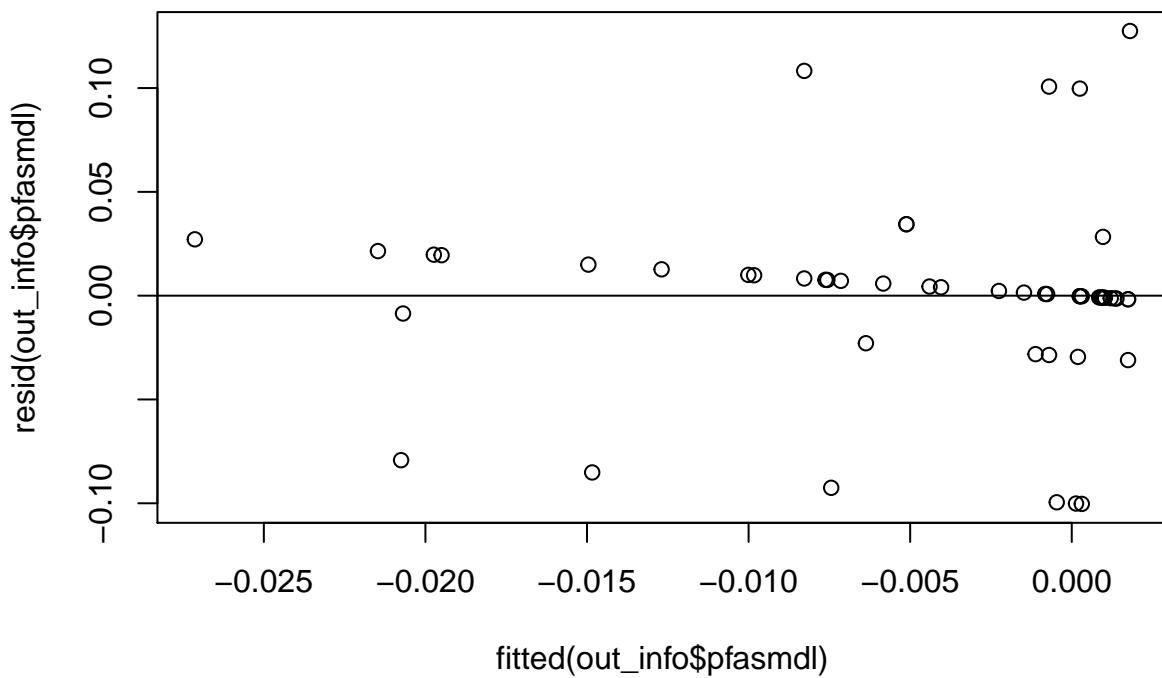
**Normal Q-Q Plot**



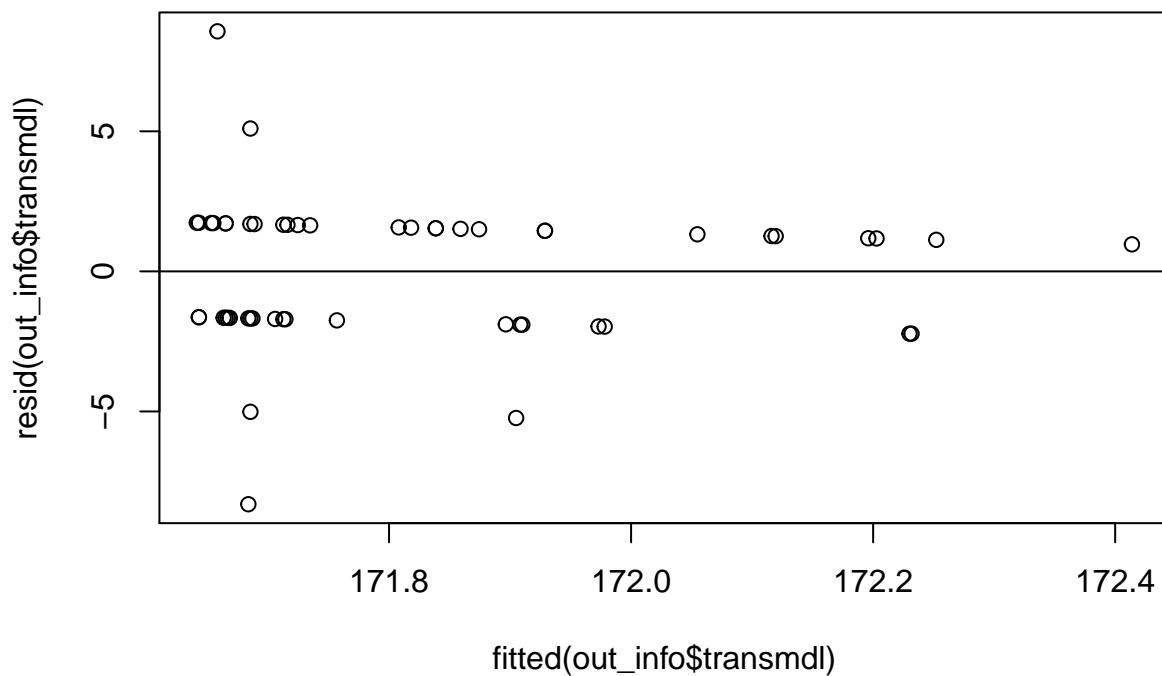
### Normal Q-Q Plot



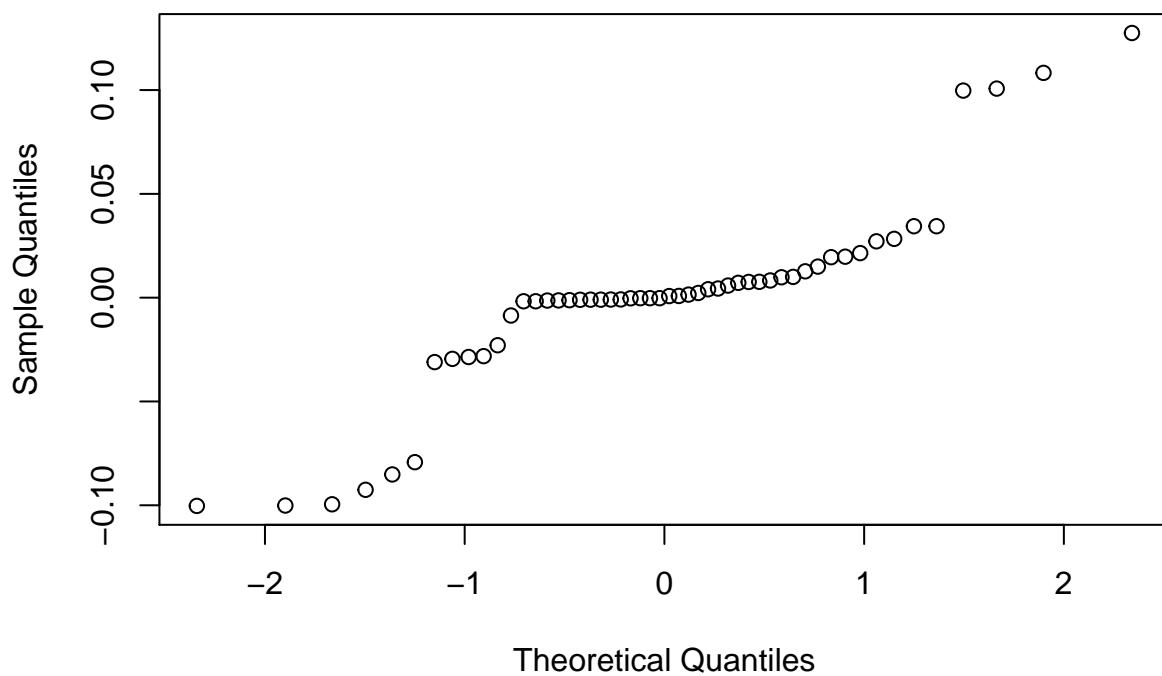
Plot of PFUAorig+  
Plot of PFUAorigdays.since.struc.MRF  
Plot of PFUAorigEthnicity



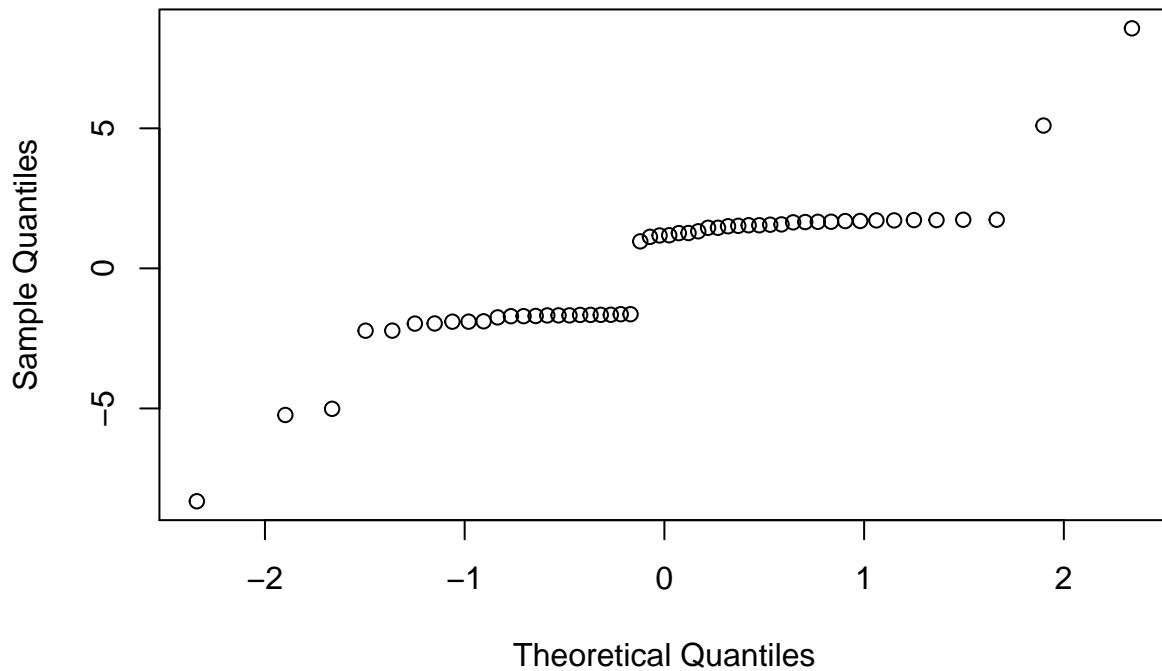
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.struc.MRF  
Plot of PFDEAtransEthnicity**



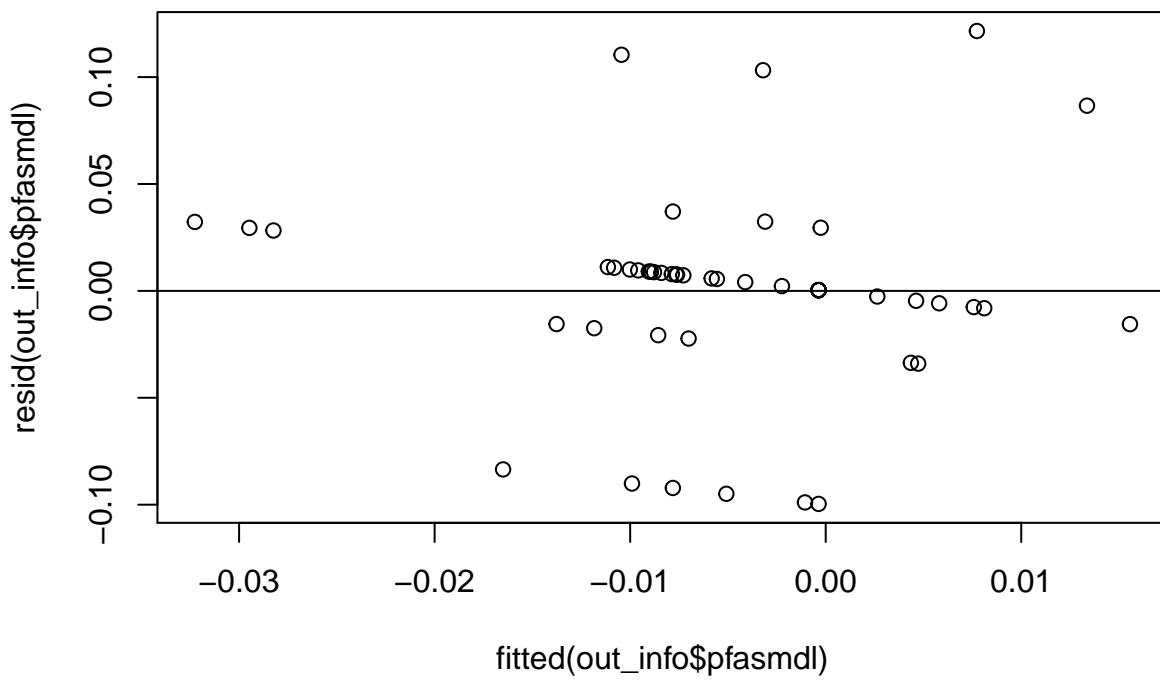
**Normal Q-Q Plot**



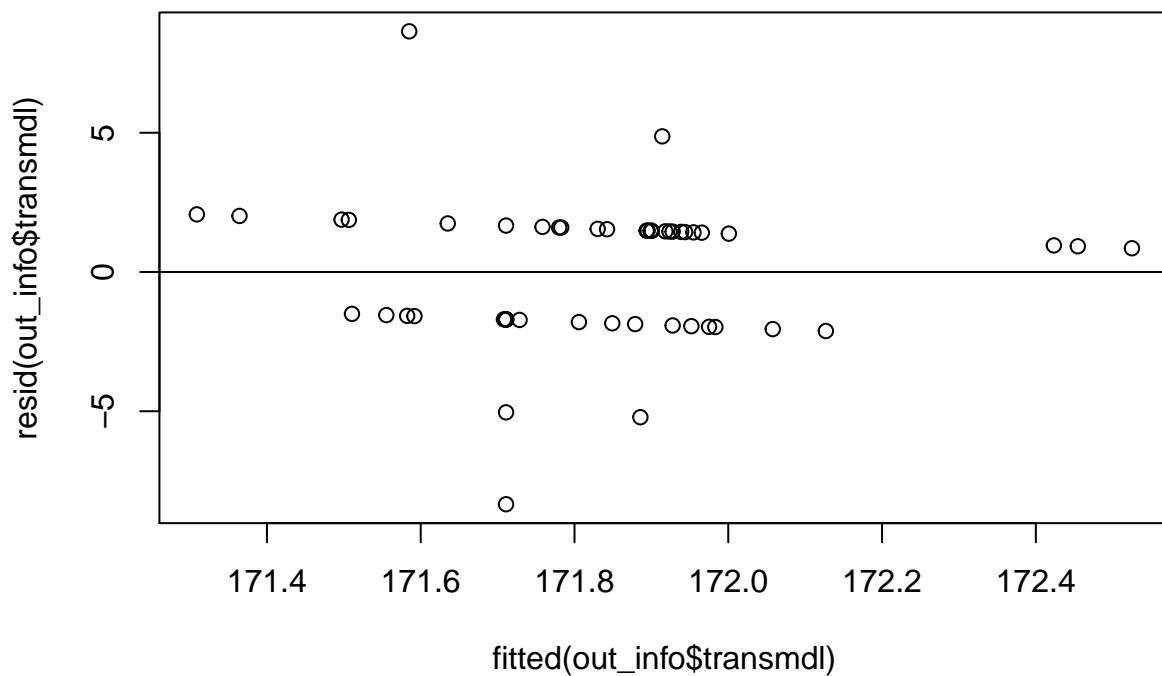
### Normal Q-Q Plot



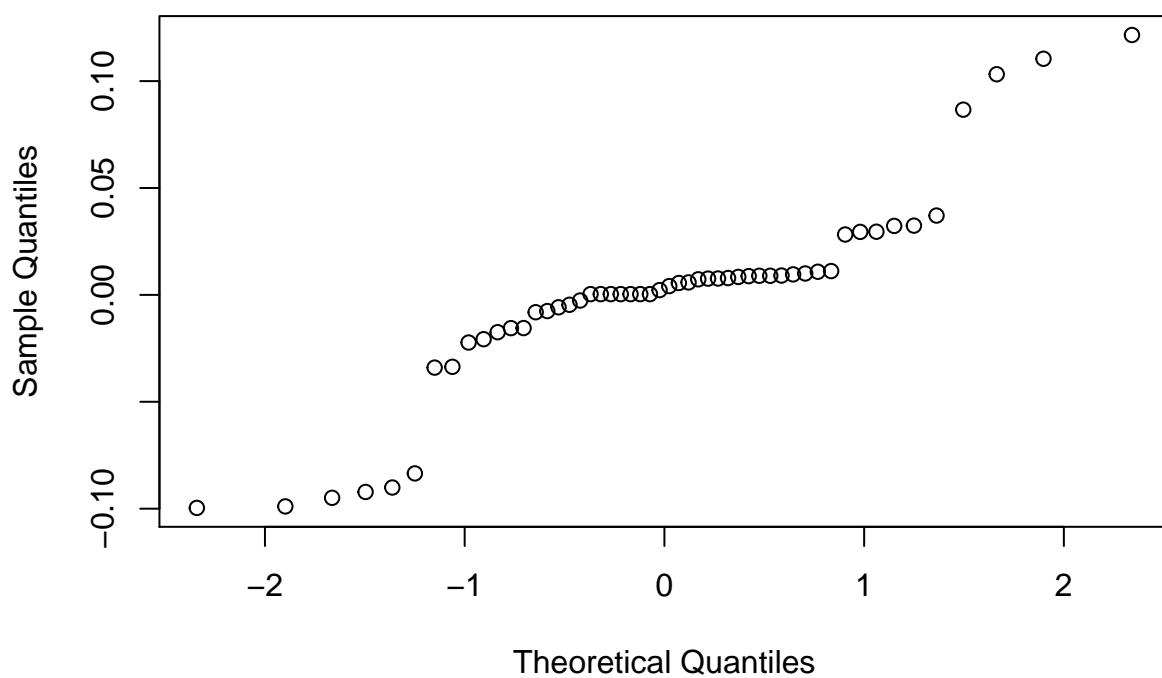
Plot of PFUAorig+  
Plot of PFUAorigtime.since.baseline  
Plot of PFUAorigEthnicity



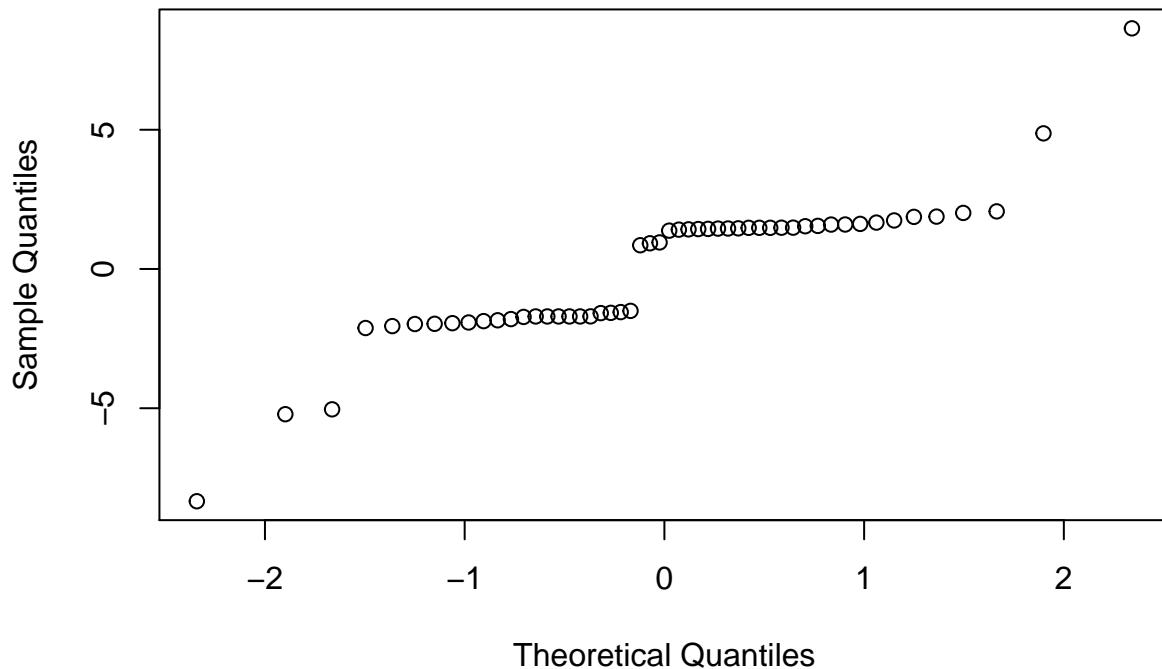
**Plot of PFDEAtrans+  
Plot of PFDEAtranstime.since.baseline  
Plot of PFDEAtransEthnicity**



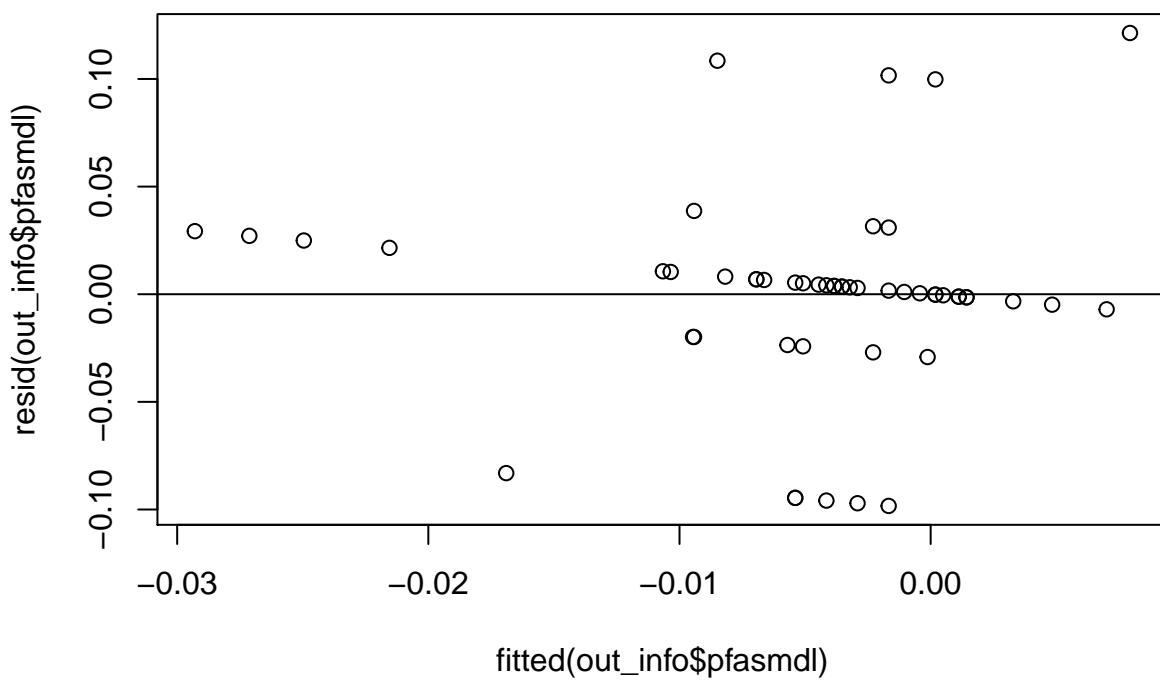
**Normal Q-Q Plot**



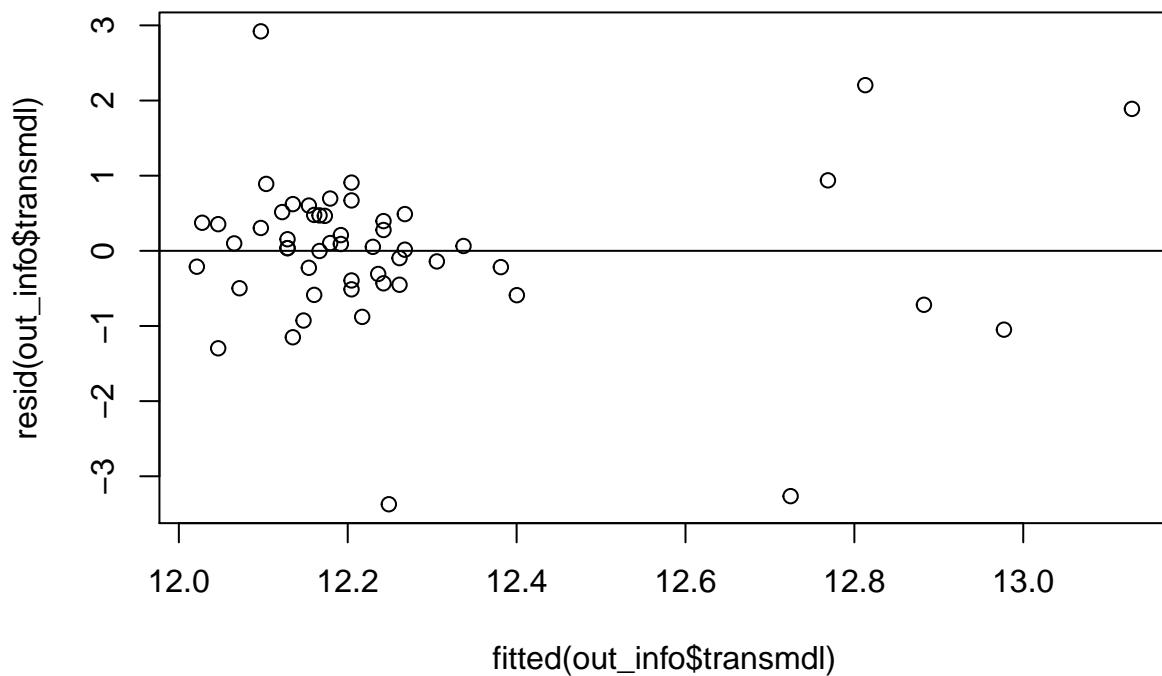
### Normal Q-Q Plot



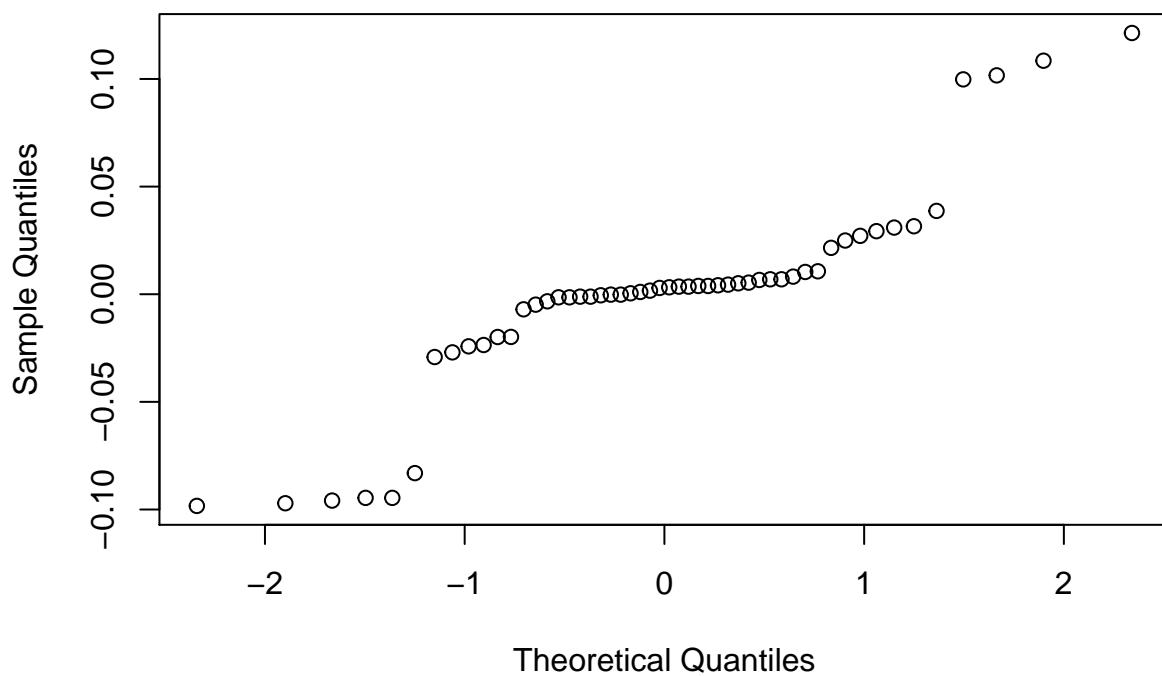
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



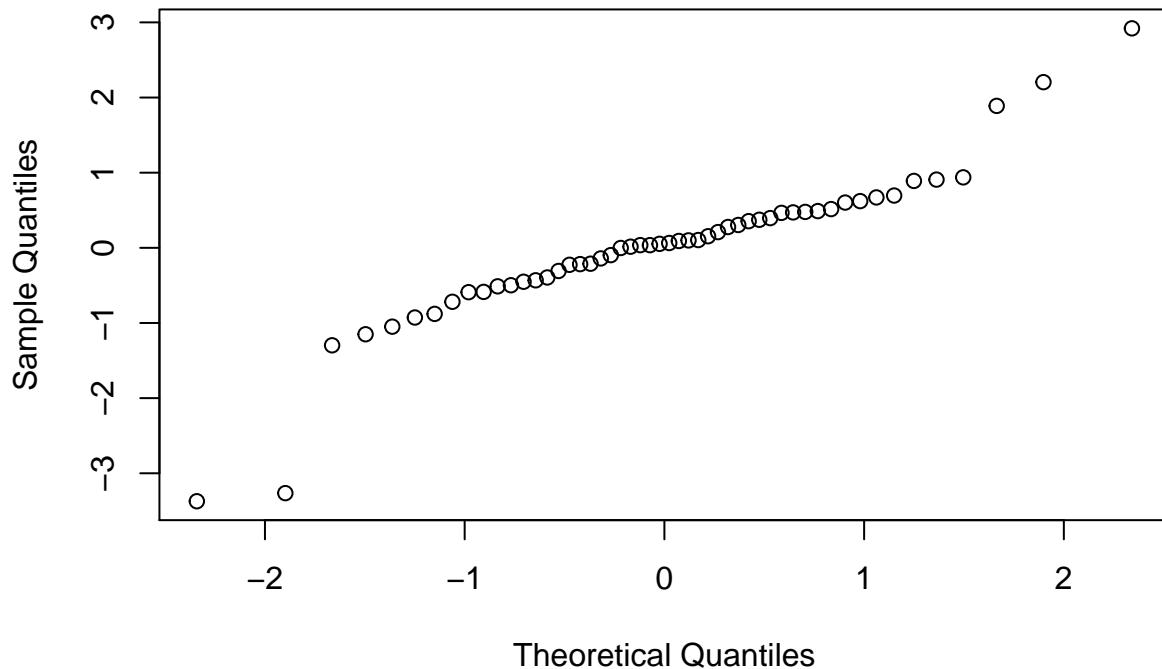
**Plot of PFHXStrans+  
Plot of PFHXStrantotal.num.fireruns  
Plot of PFHXStransEthnicity**



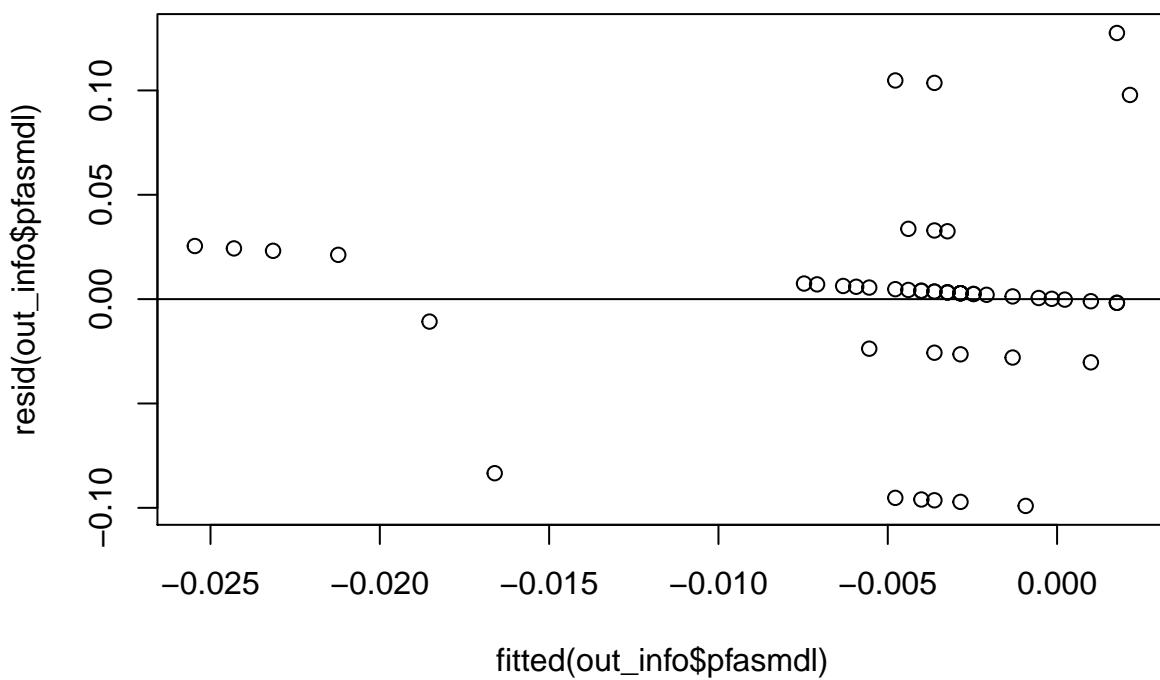
**Normal Q-Q Plot**



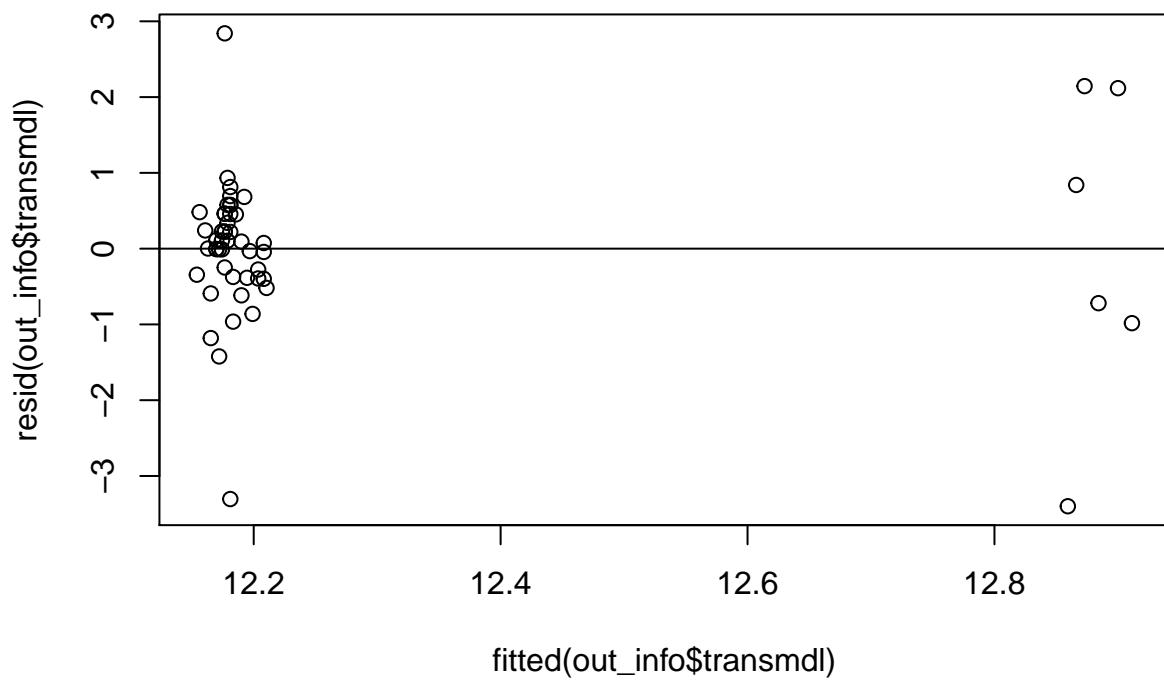
### Normal Q-Q Plot



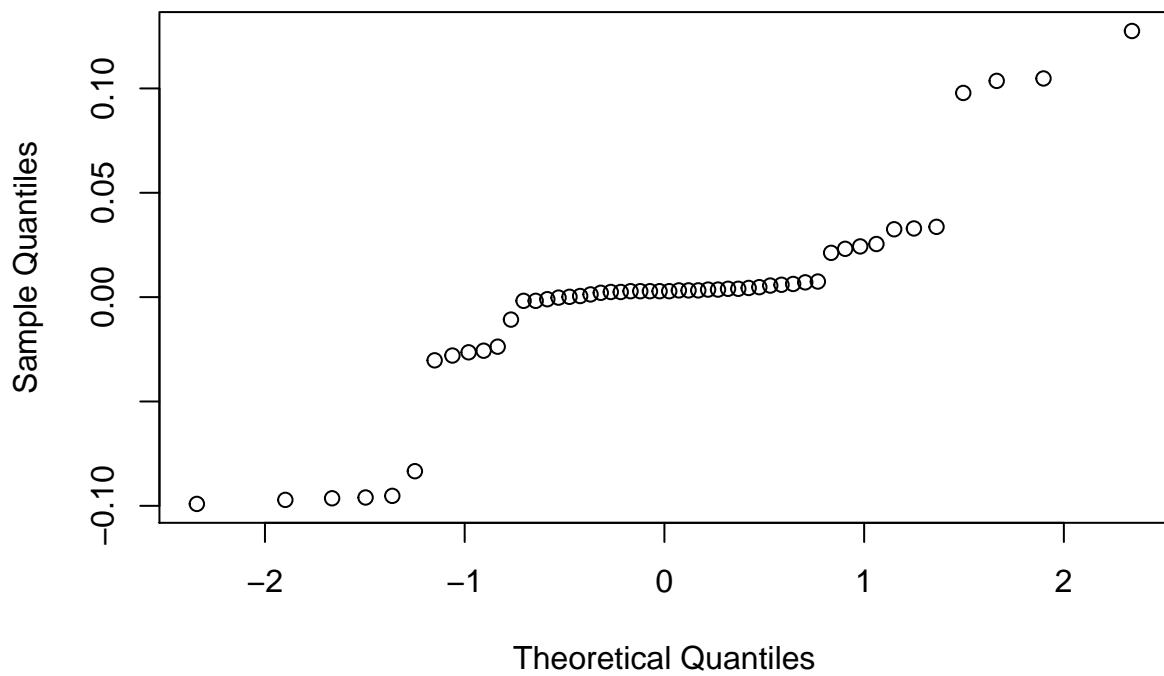
**Plot of PFUAorig+  
Plot of PFUAorigstr.num.fireruns  
Plot of PFUAorigEthnicity**



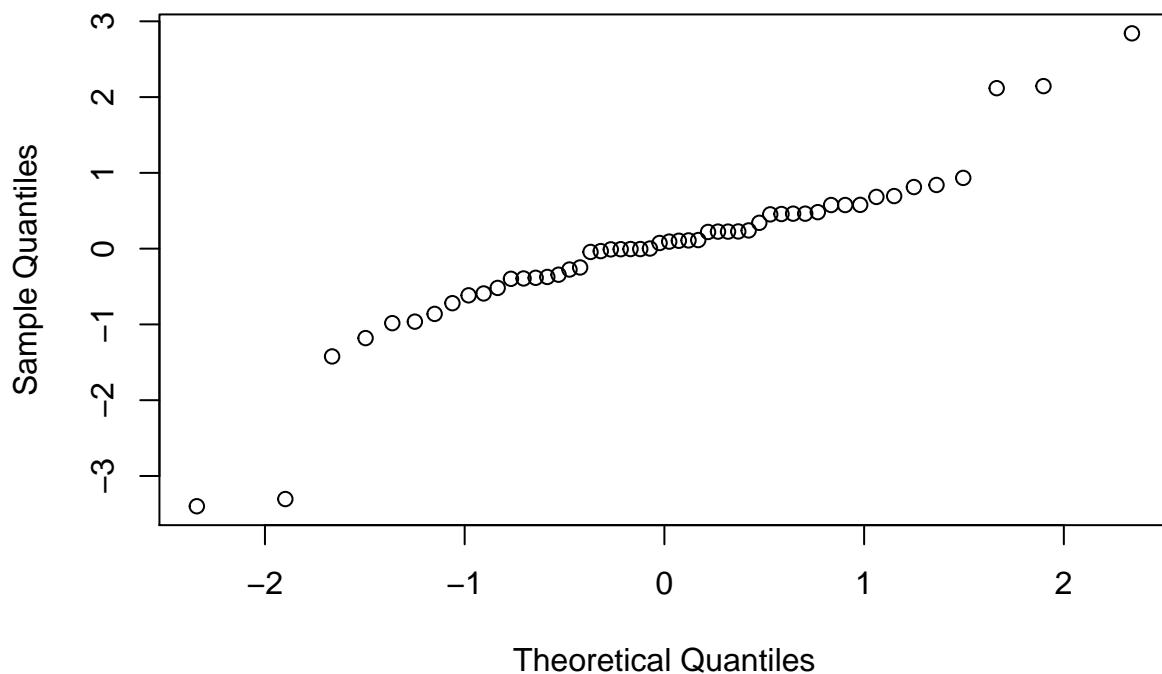
**Plot of PFHXStrans+  
Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



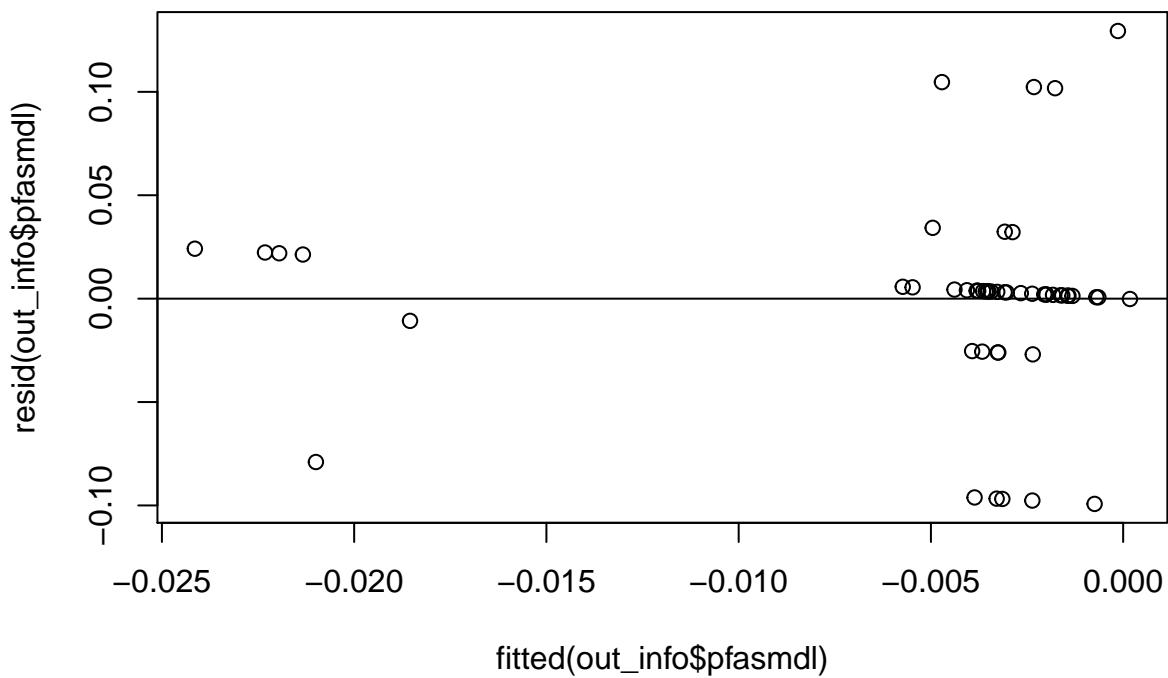
**Normal Q-Q Plot**



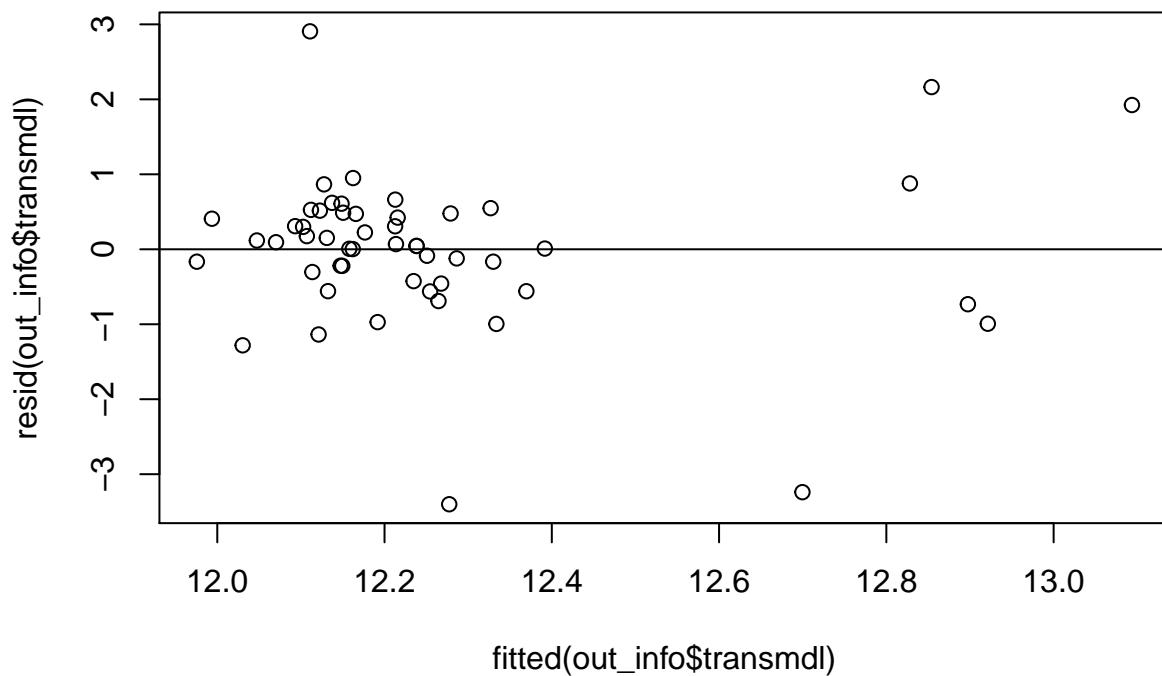
### Normal Q-Q Plot



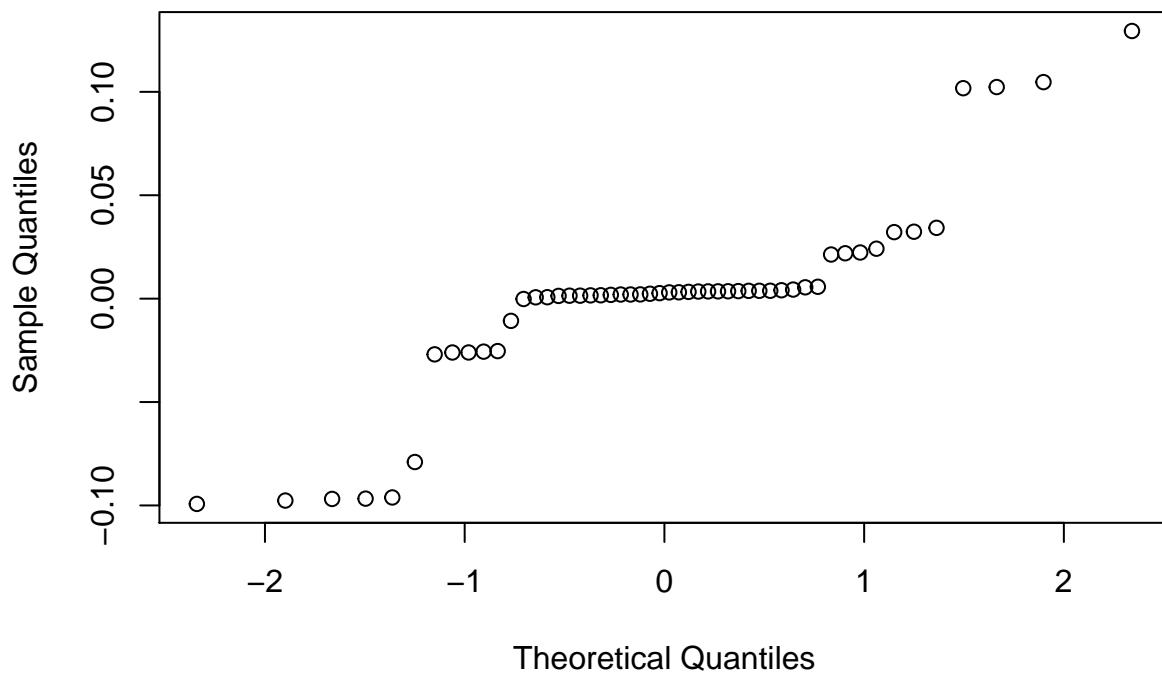
**Plot of PFUAorig+  
Plot of PFUAorigtotal.duration.hrs  
Plot of PFUAorigEthnicity**



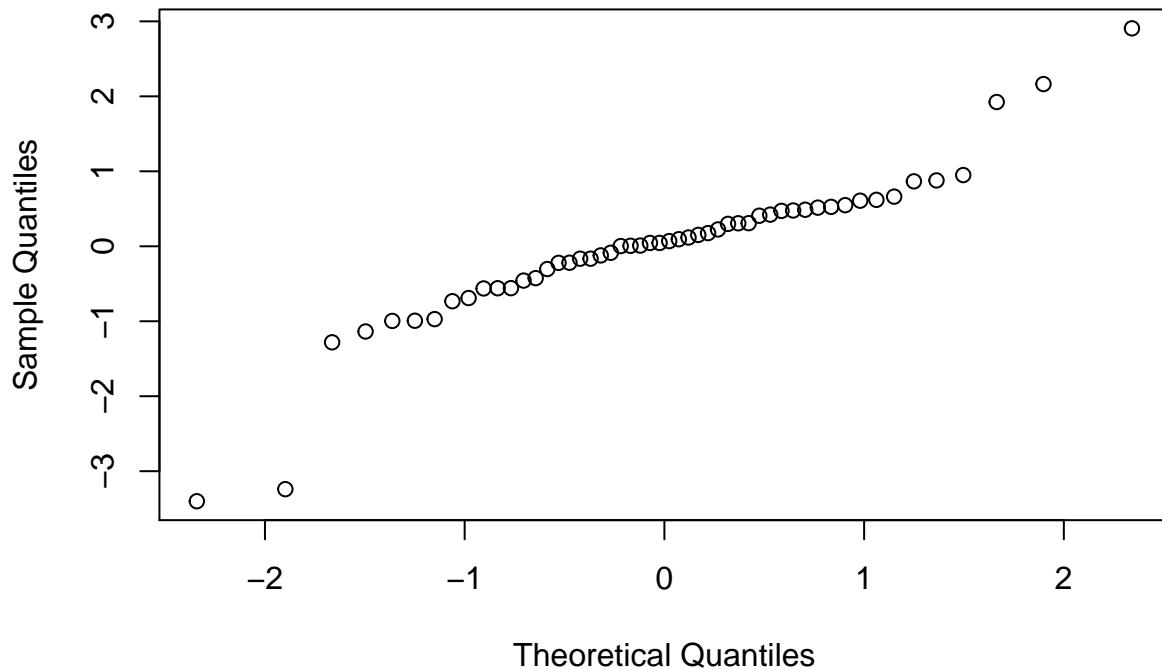
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



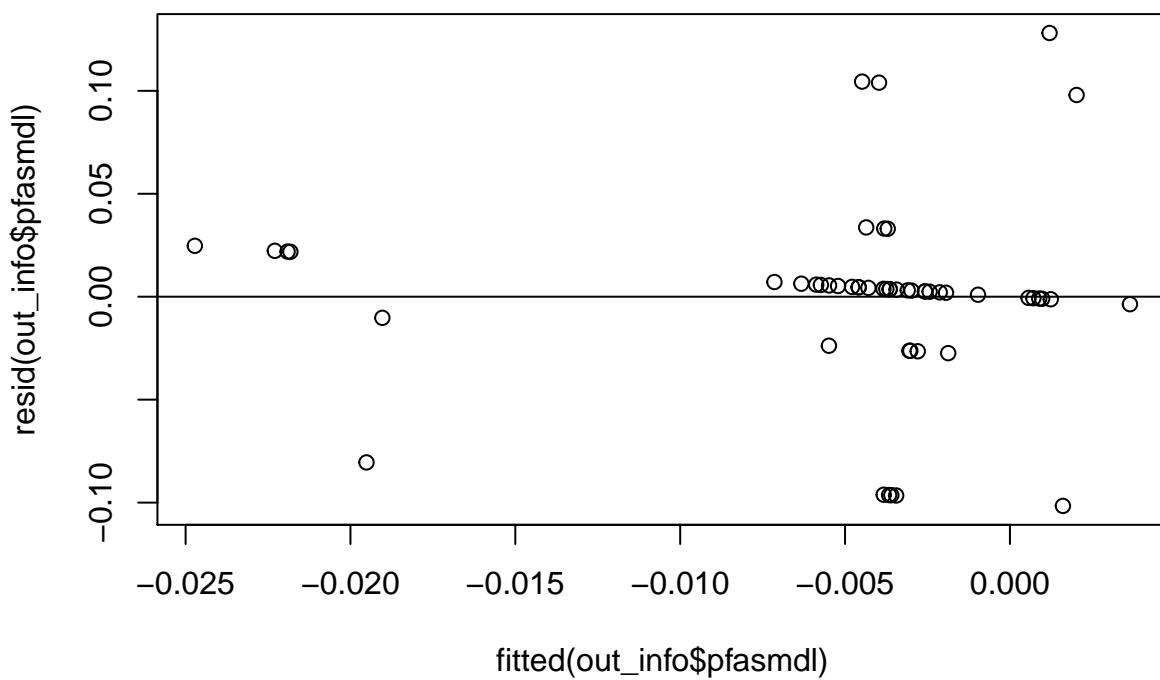
**Normal Q-Q Plot**



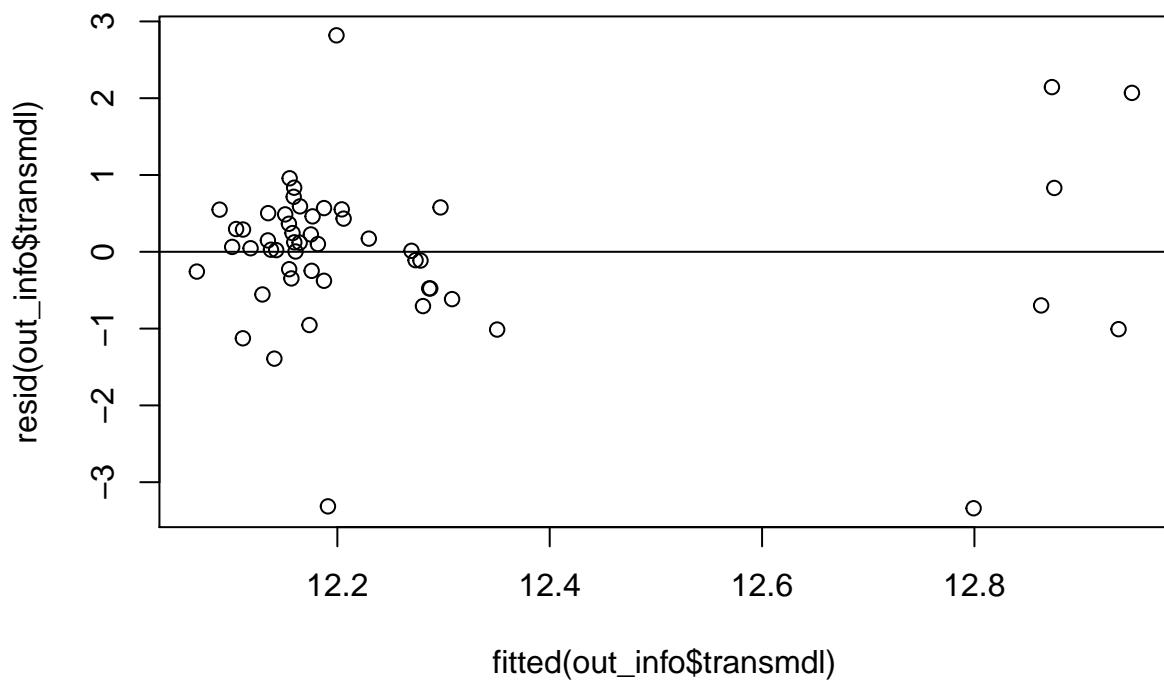
### Normal Q-Q Plot



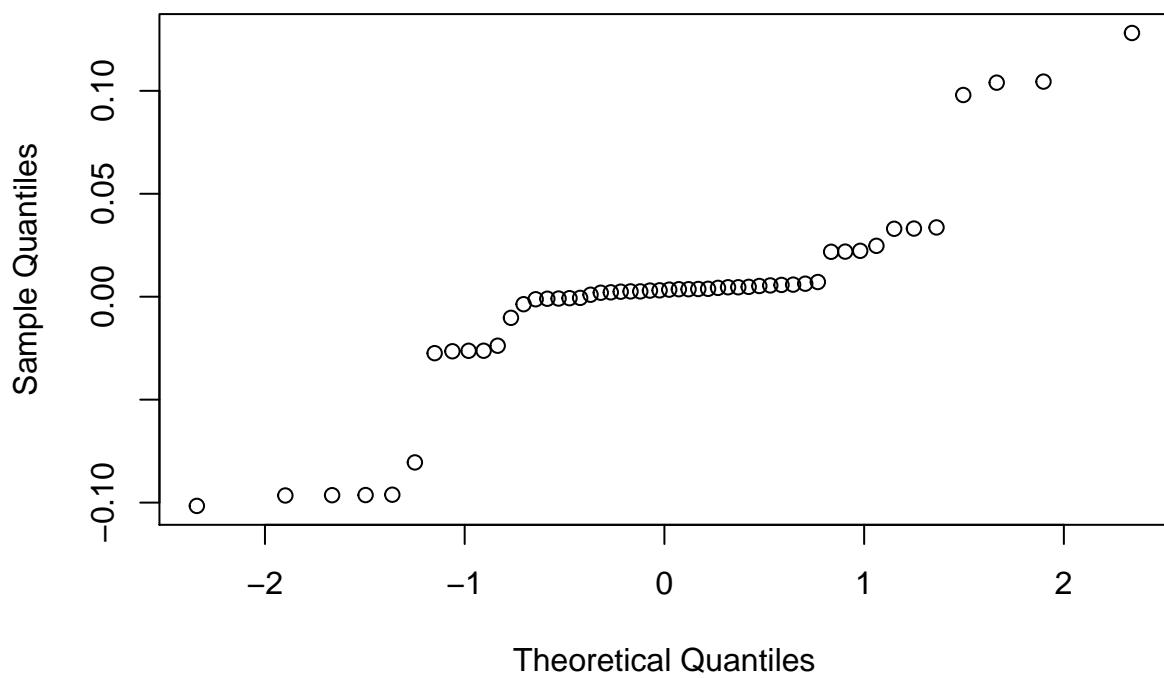
Plot of PFUAorig+  
Plot of PFUAorigstr.duration.hrs  
Plot of PFUAorigEthnicity



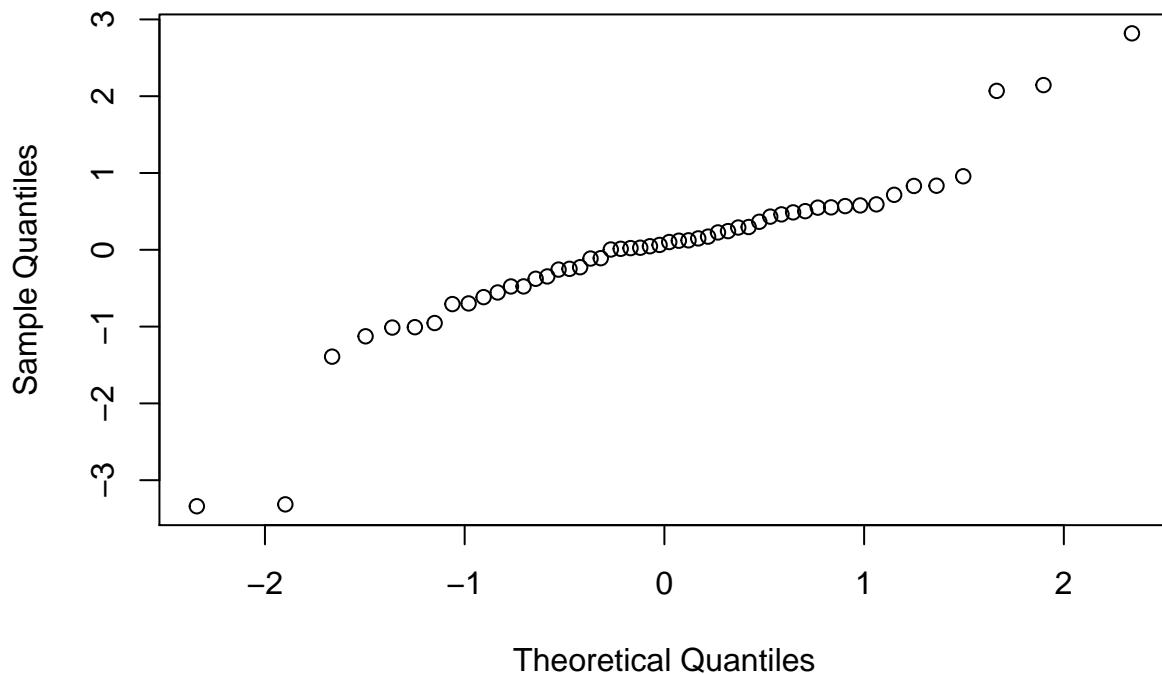
**Plot of PFHXStrans+  
Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



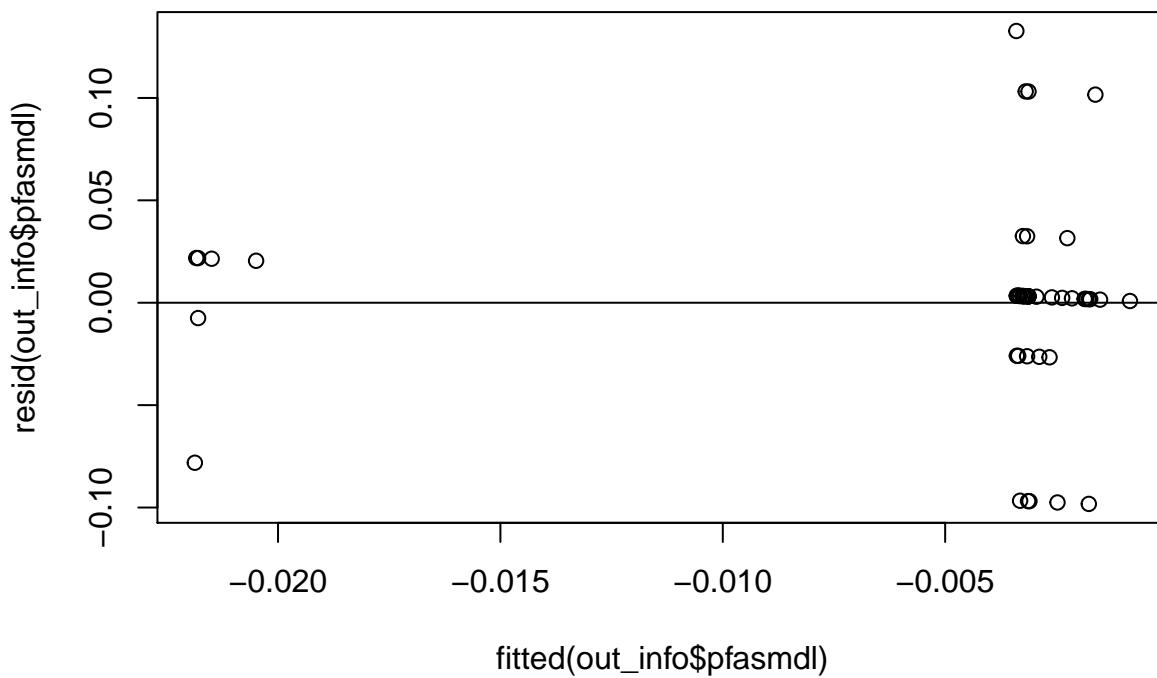
**Normal Q-Q Plot**



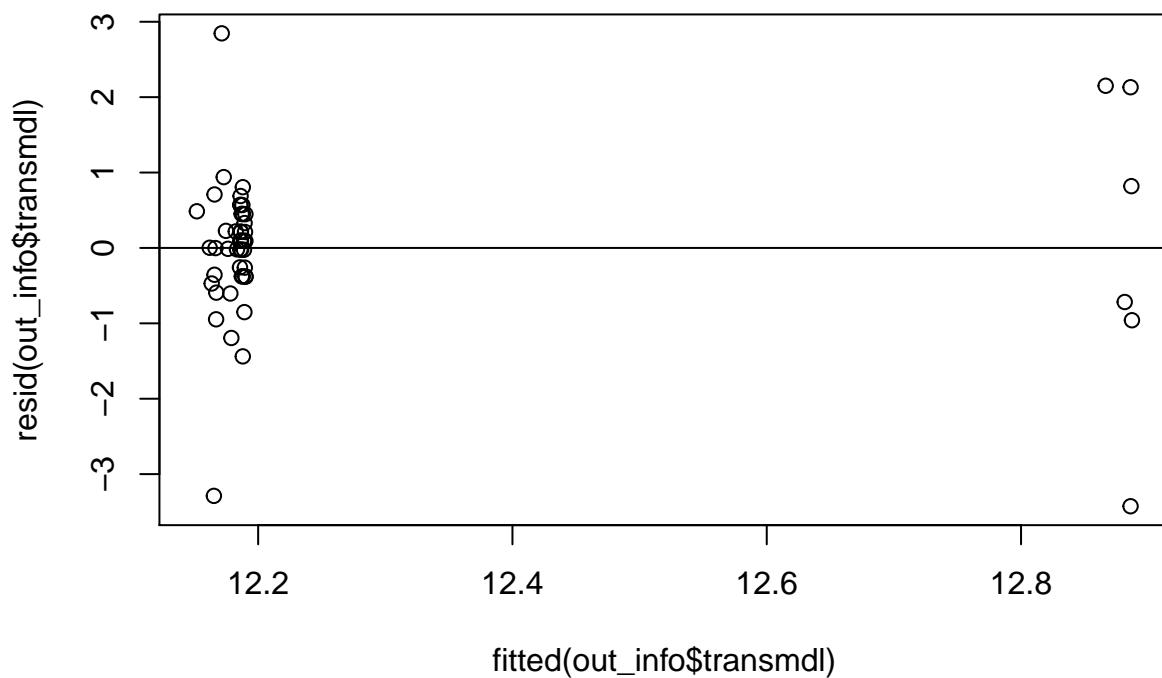
### Normal Q-Q Plot



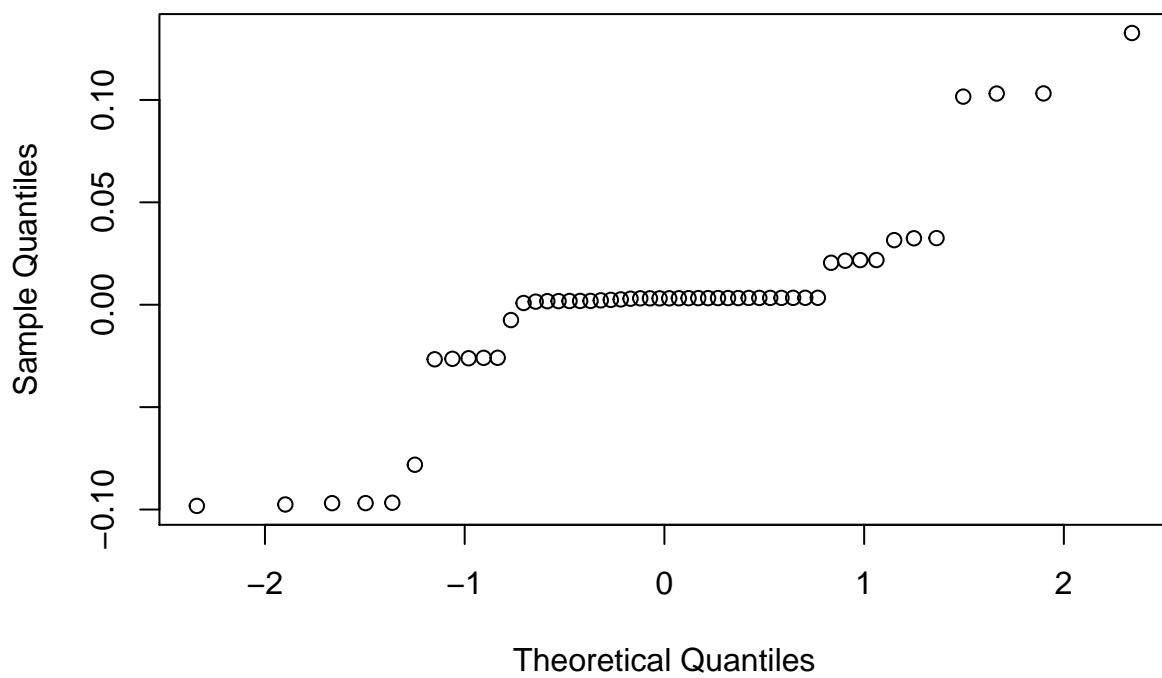
Plot of PFUAorig+  
Plot of PFUAorigdays.since.MRF  
Plot of PFUAorigEthnicity



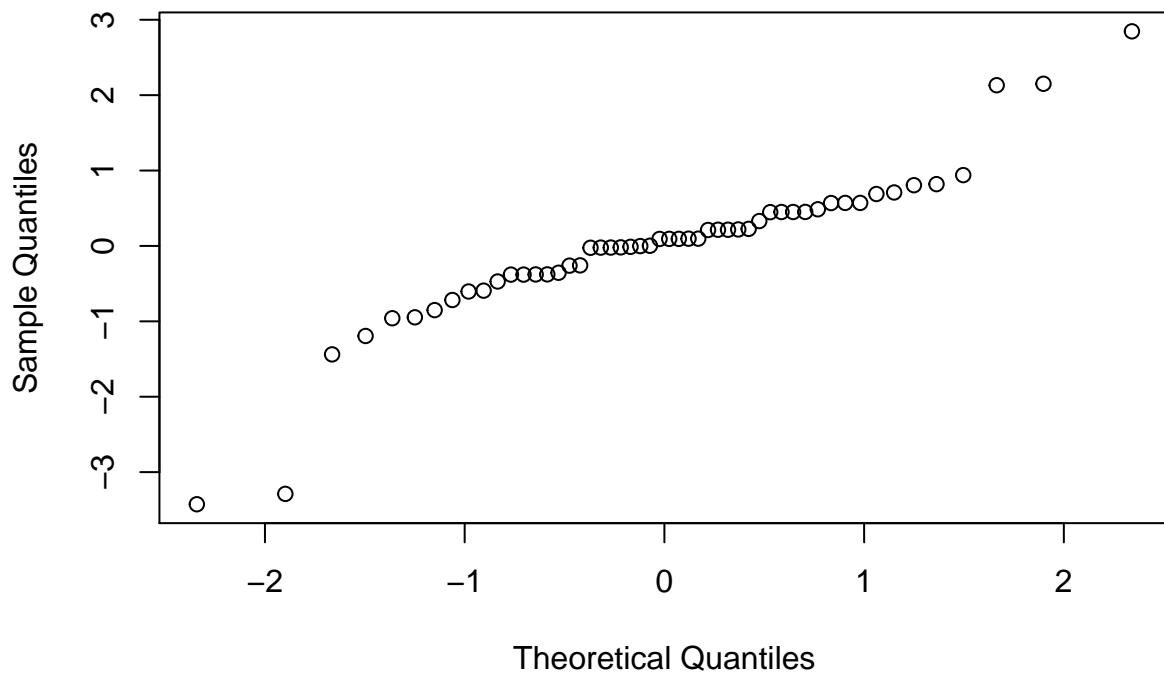
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



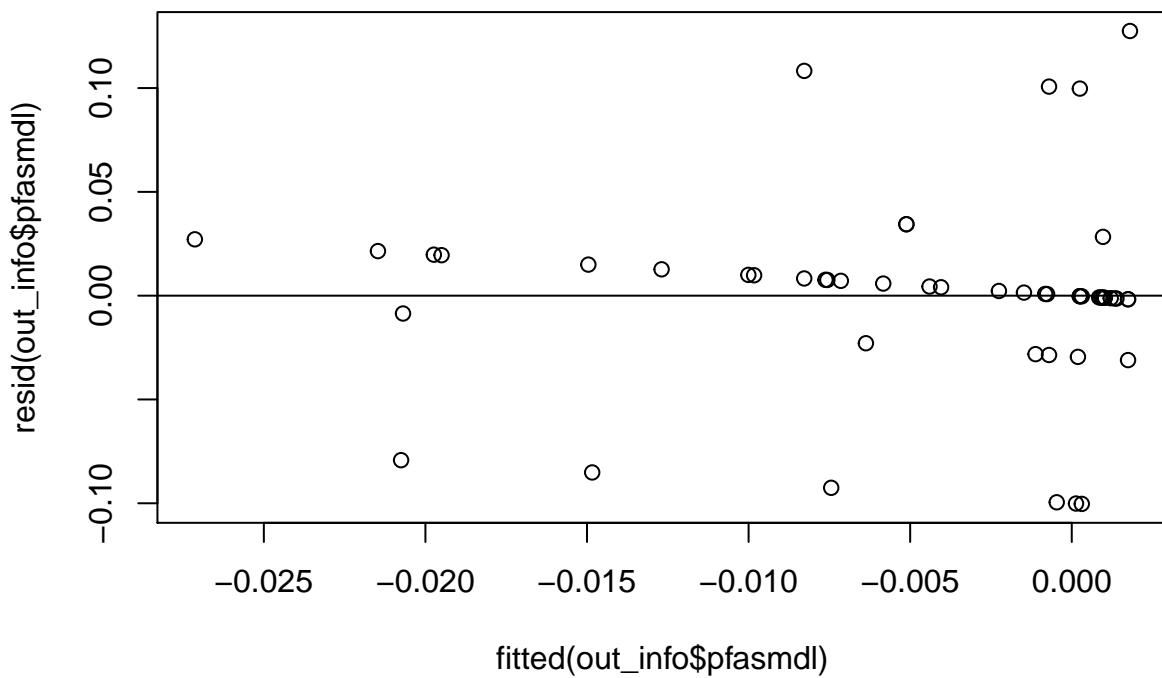
**Normal Q-Q Plot**



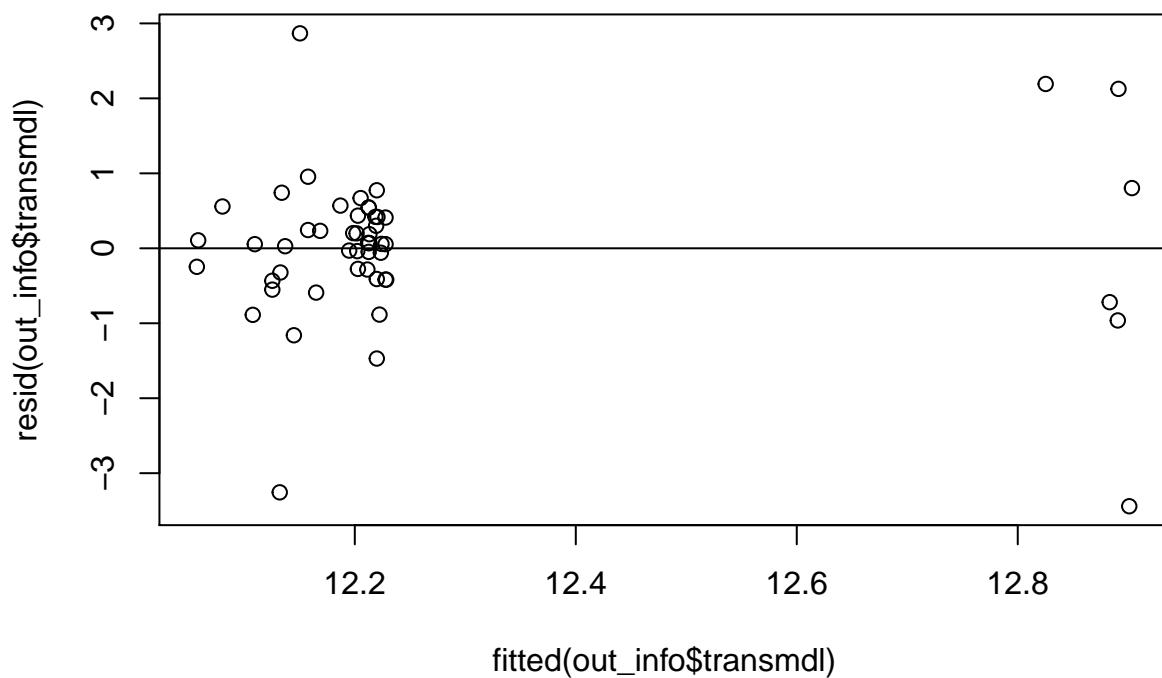
### Normal Q-Q Plot



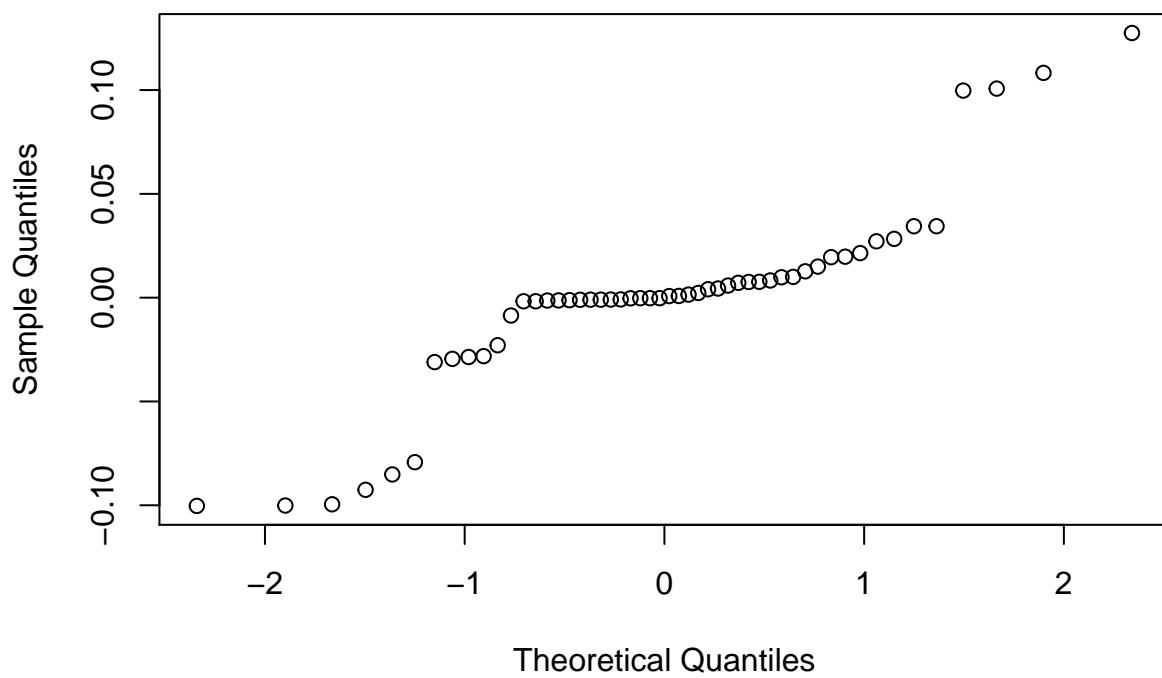
Plot of PFUAorig+  
Plot of PFUAorigdays.since.struc.MRF  
Plot of PFUAorigEthnicity



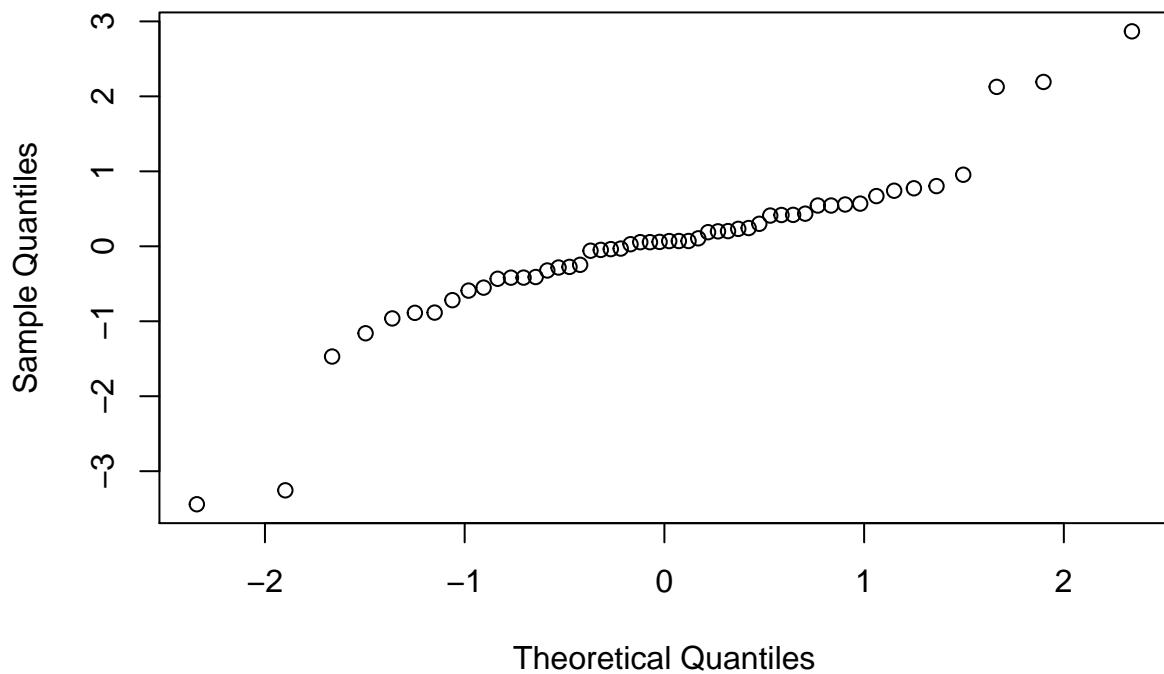
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.struc.MRF  
Plot of PFHXStransEthnicity**



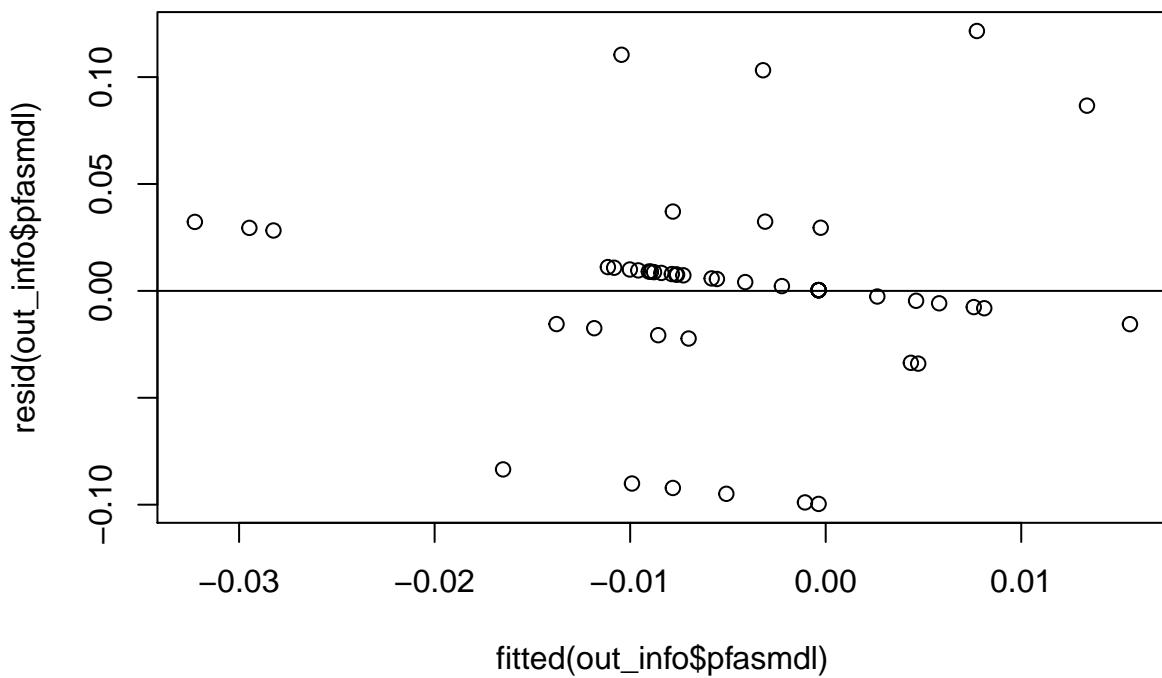
**Normal Q-Q Plot**



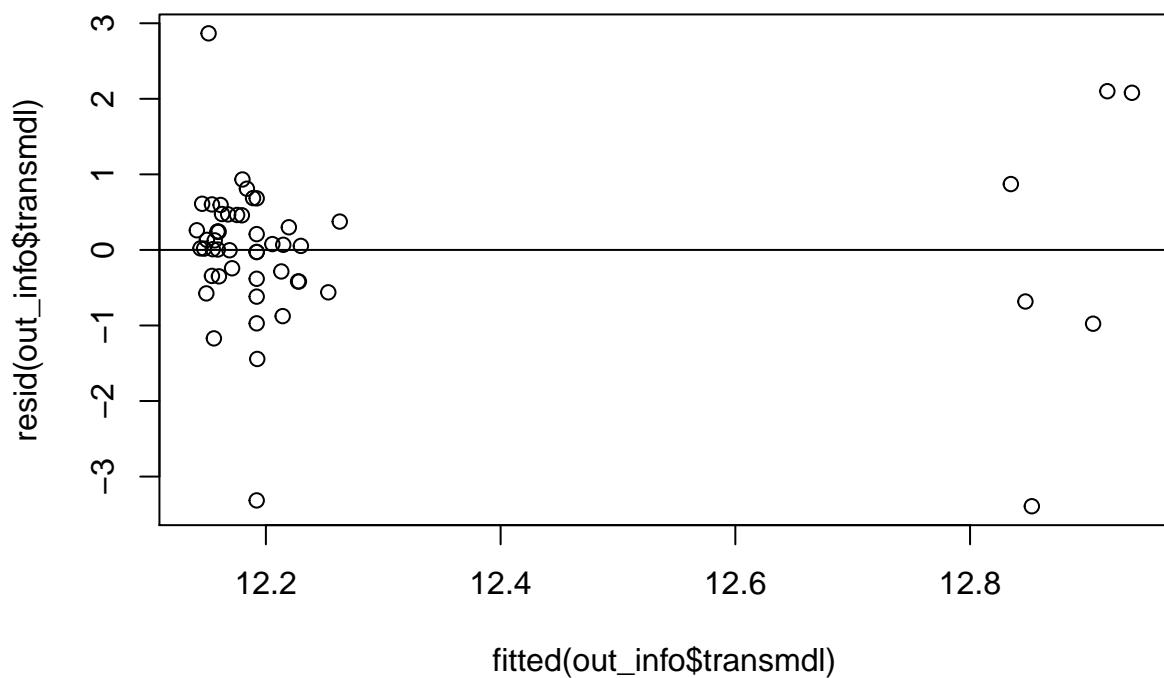
### Normal Q-Q Plot



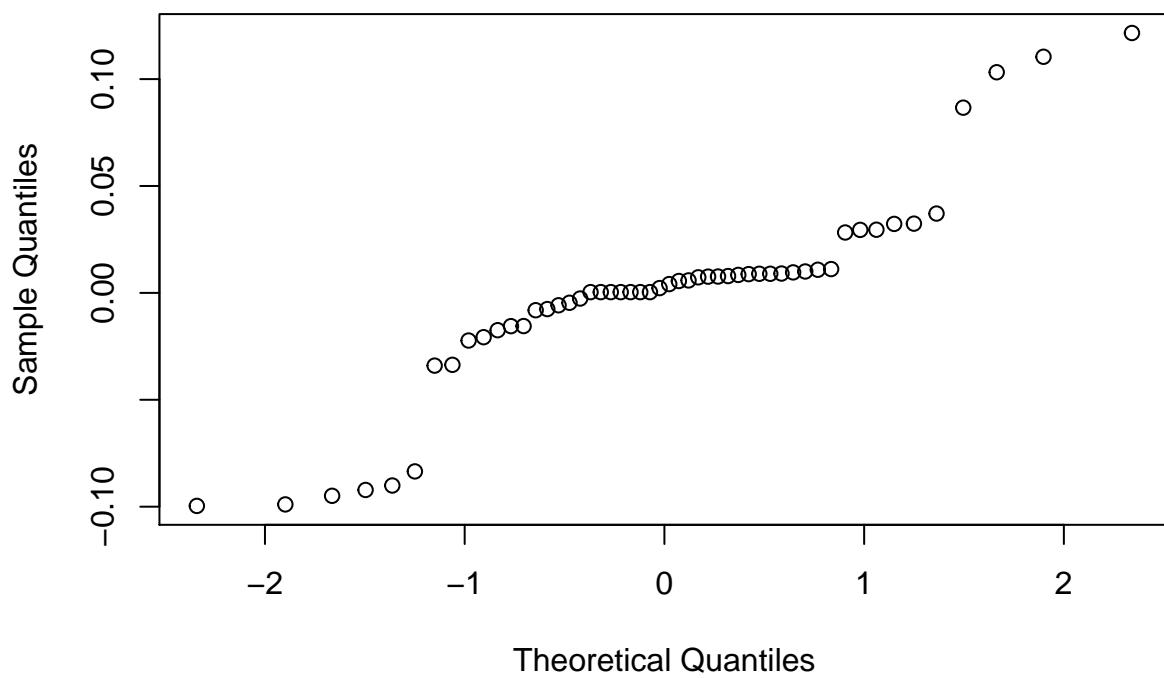
Plot of PFUAorig+  
Plot of PFUAorigtime.since.baseline  
Plot of PFUAorigEthnicity



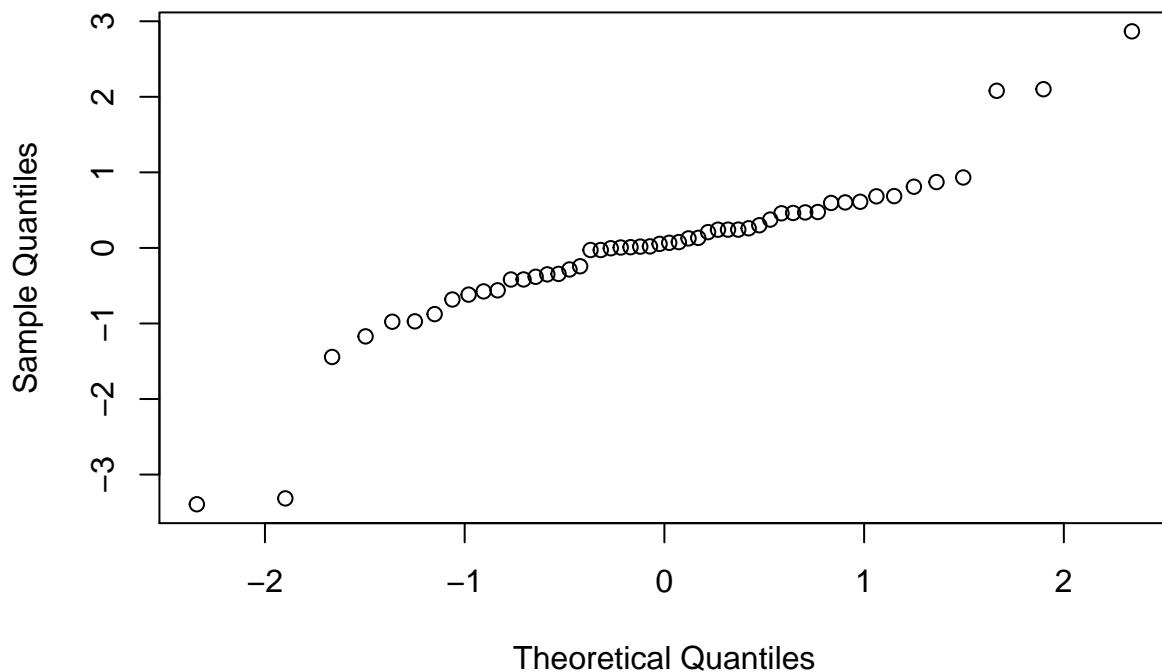
**Plot of PFHXStrans+  
Plot of PFHXStranstime.since.baseline  
Plot of PFHXStransEthnicity**



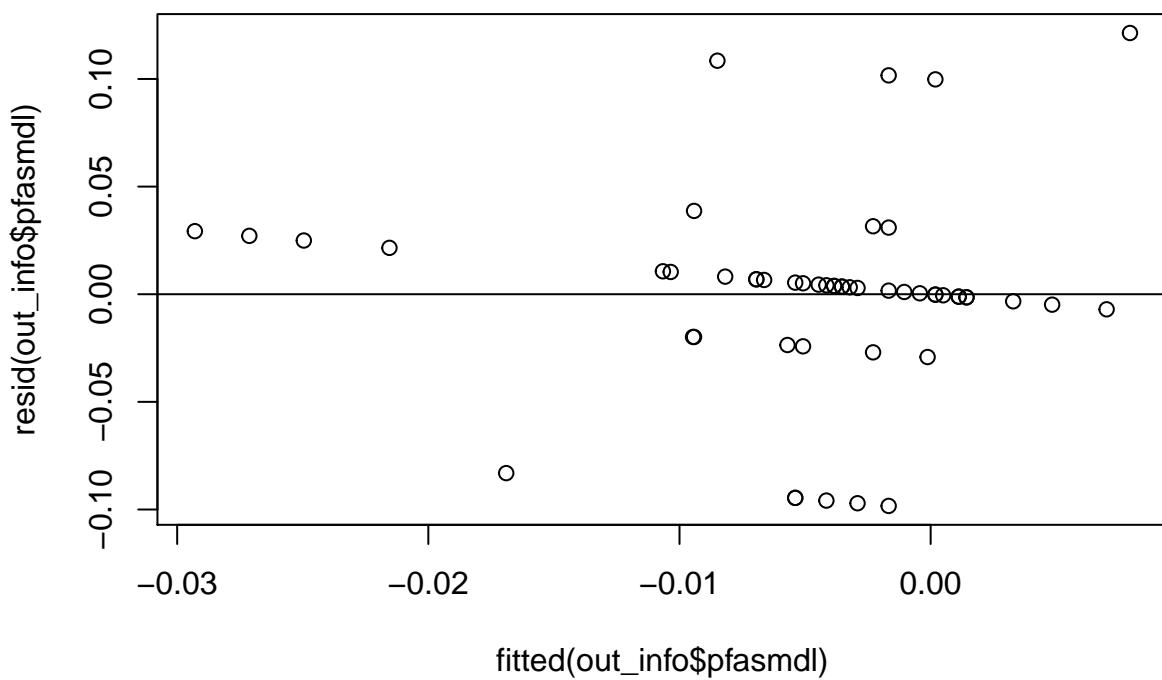
**Normal Q-Q Plot**



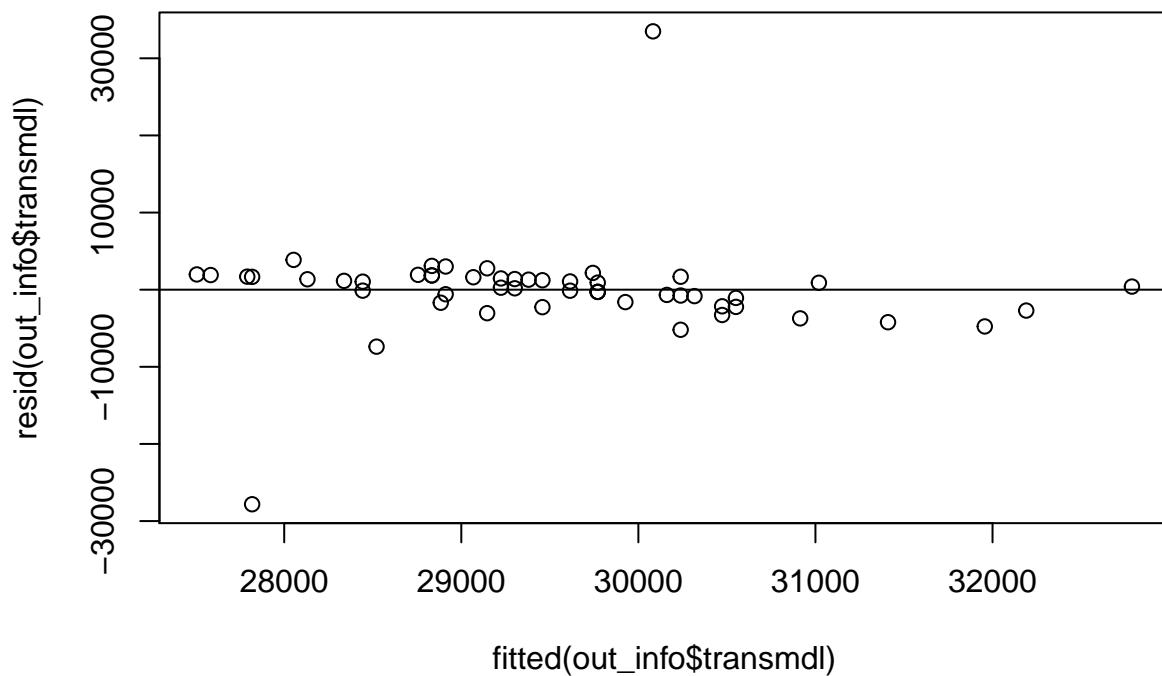
### Normal Q-Q Plot



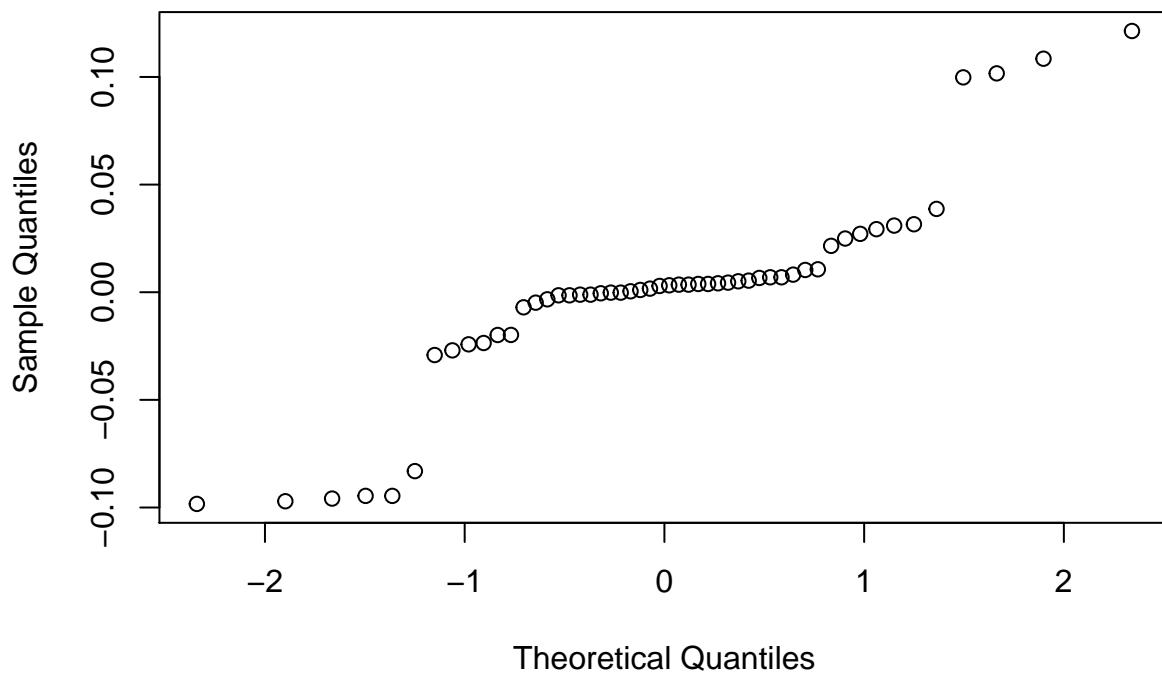
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



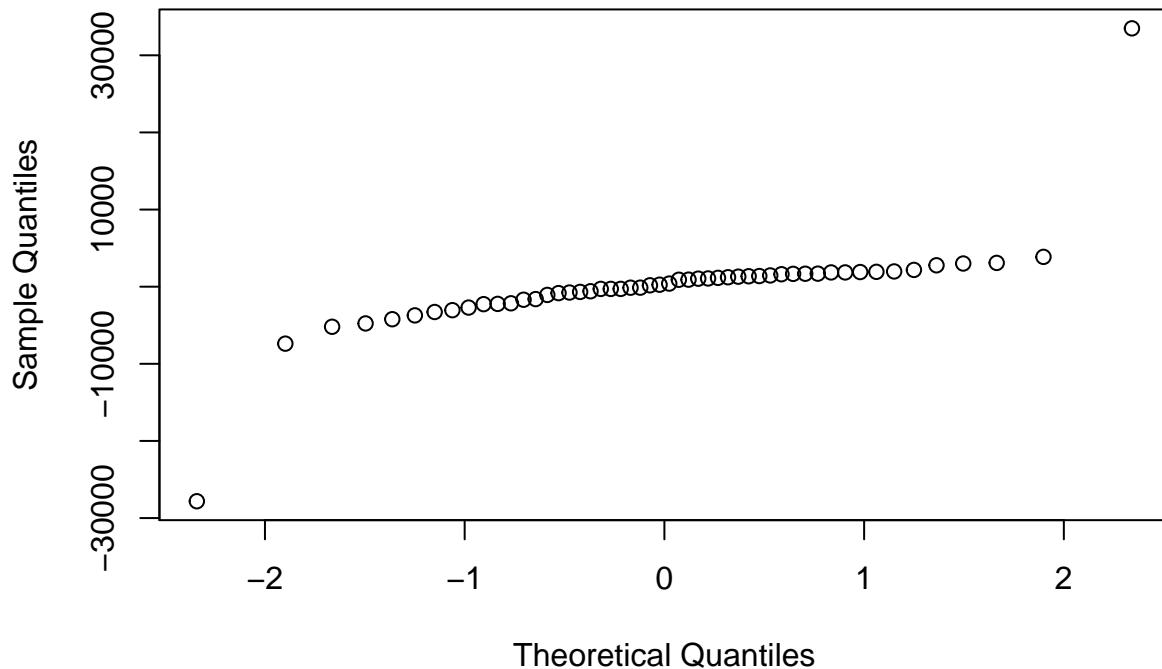
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



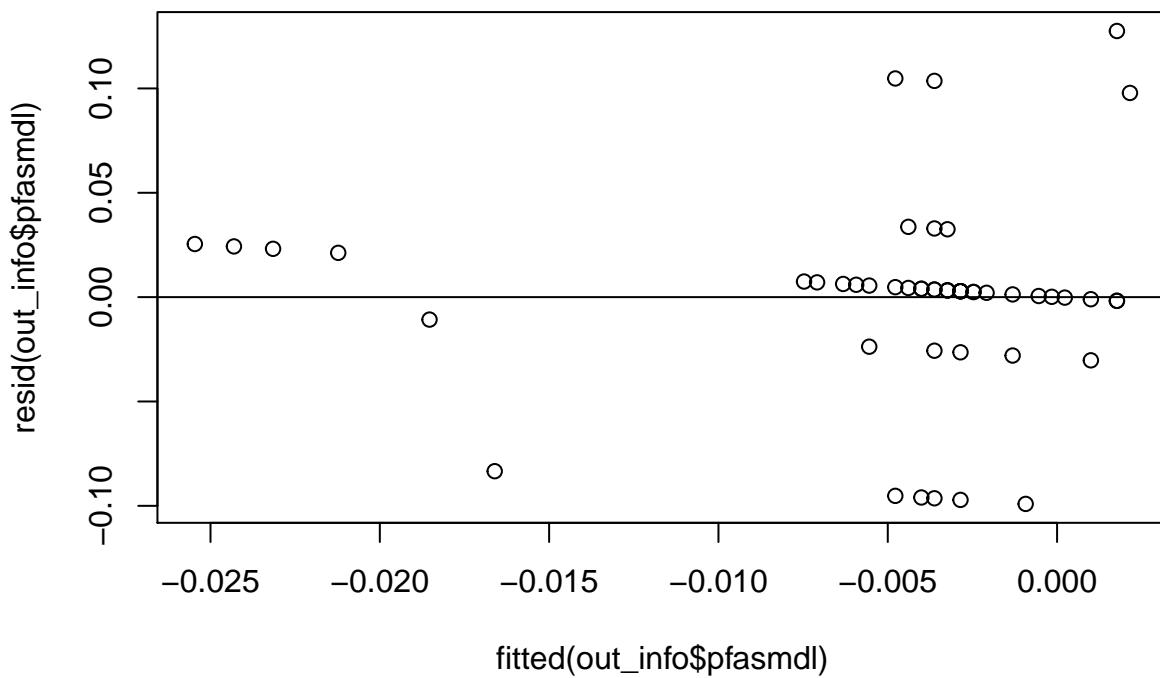
**Normal Q-Q Plot**



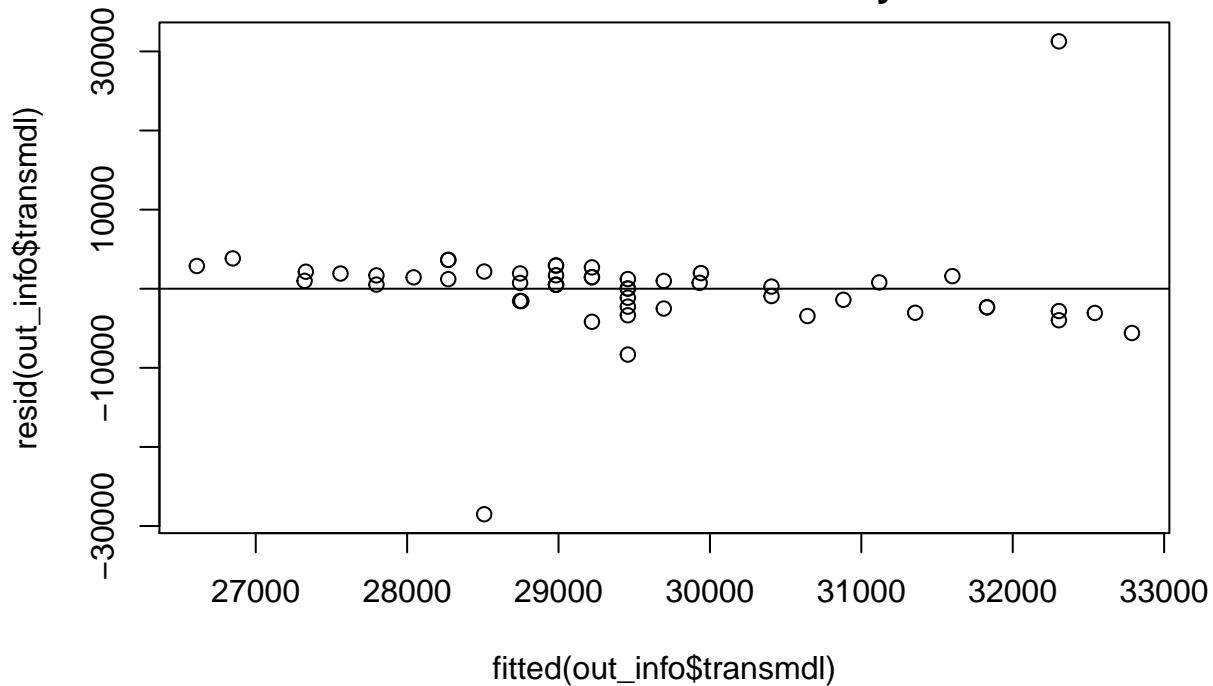
### Normal Q-Q Plot



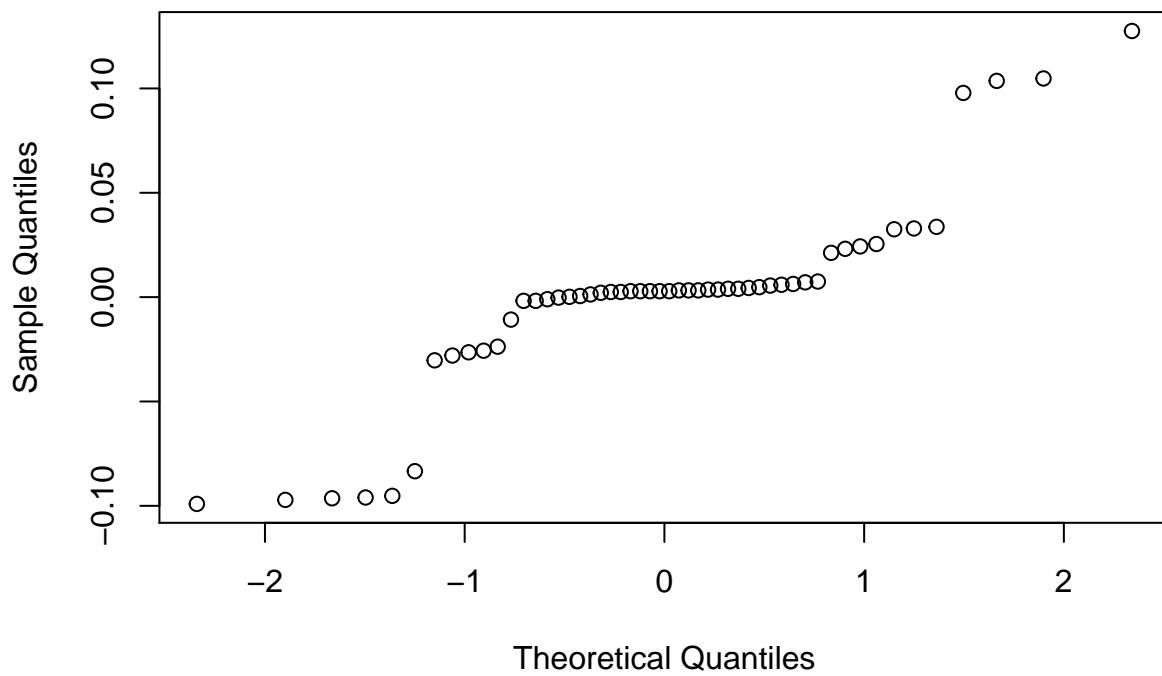
**Plot of PFUAorig+  
Plot of PFUAorigstr.num.fireruns  
Plot of PFUAorigEthnicity**



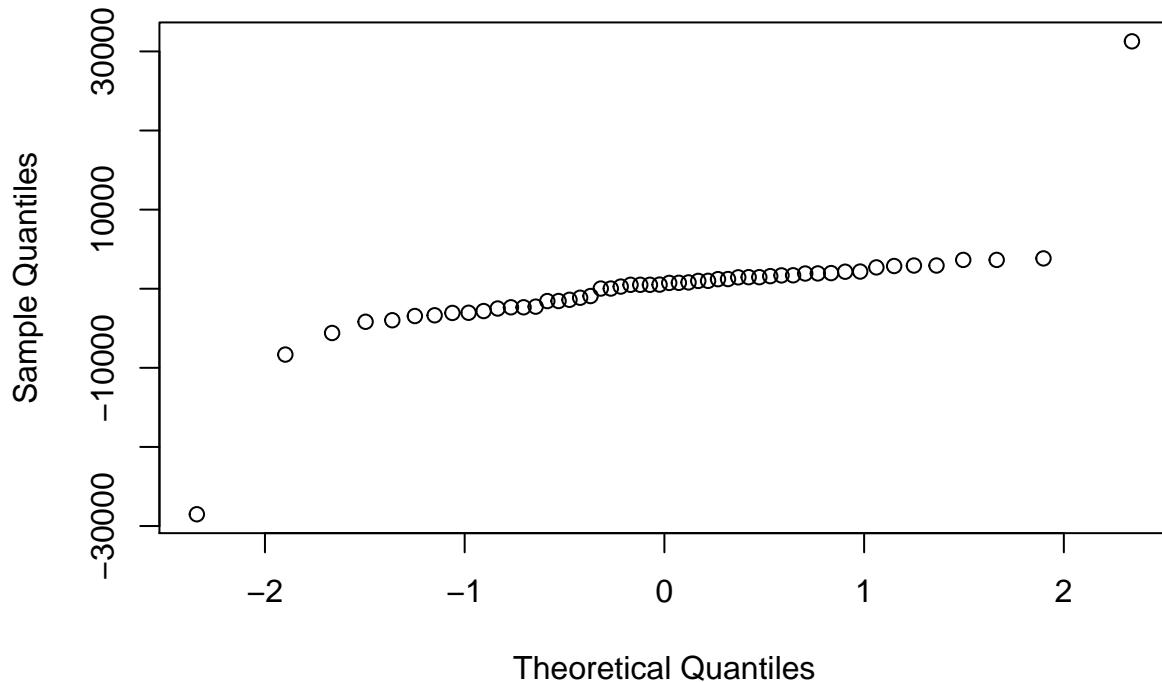
**Plot of PFNAtrans+  
Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**



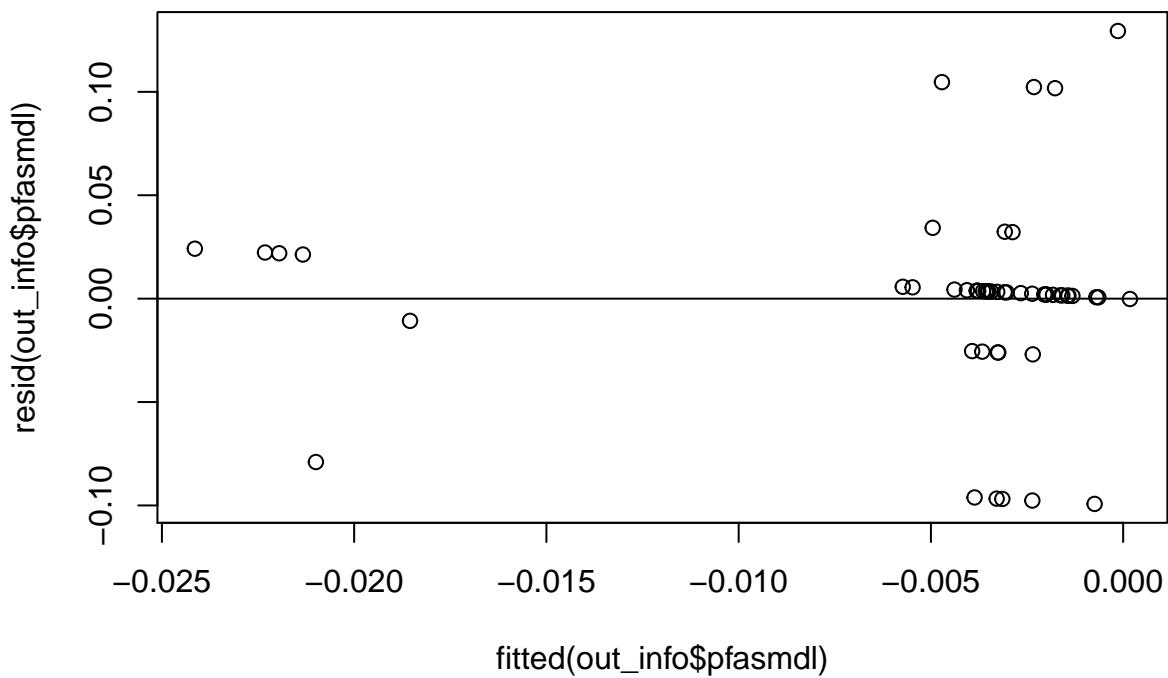
**Normal Q-Q Plot**



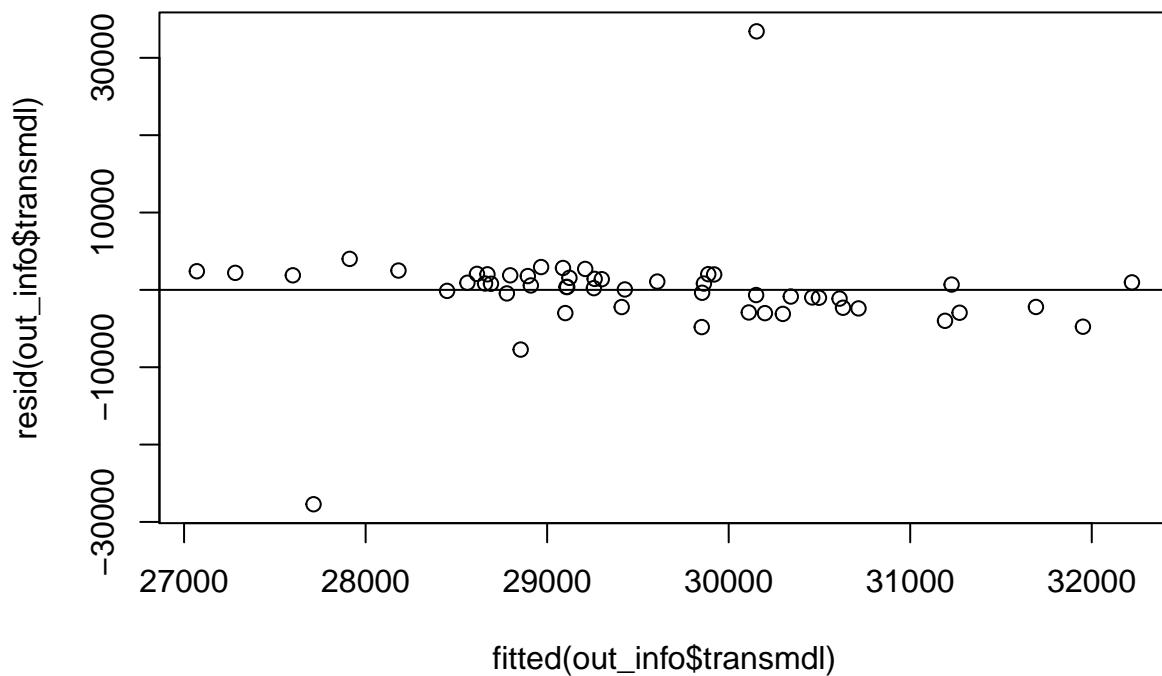
### Normal Q-Q Plot



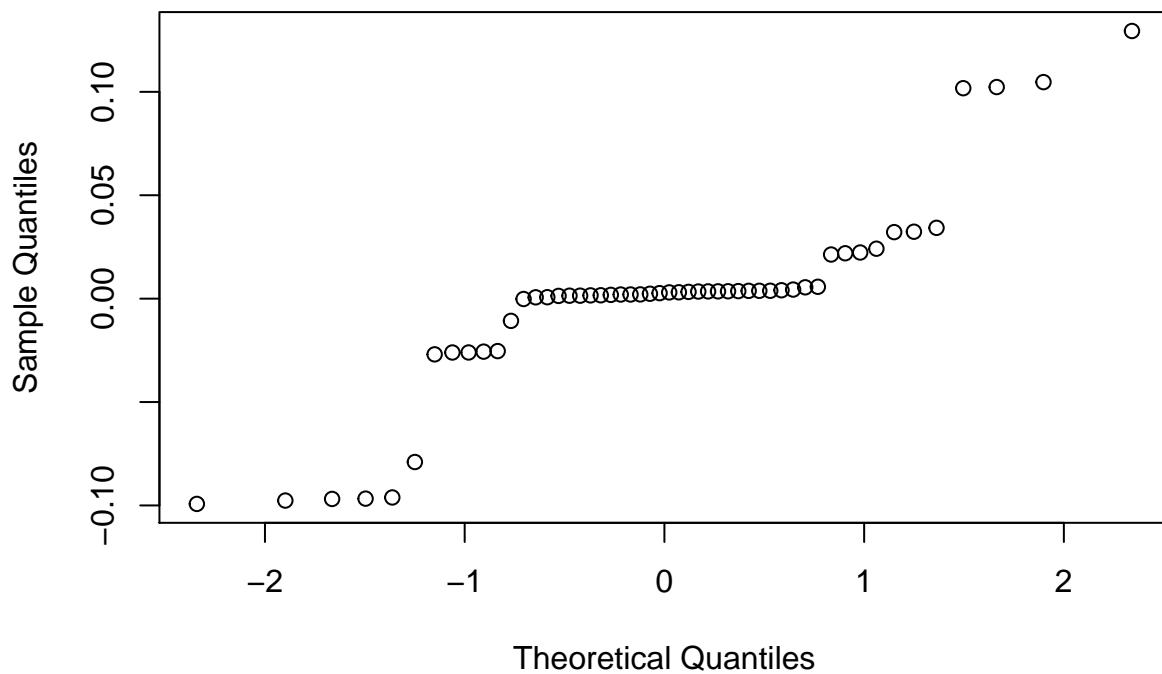
**Plot of PFUAorig+  
Plot of PFUAorigtotal.duration.hrs  
Plot of PFUAorigEthnicity**



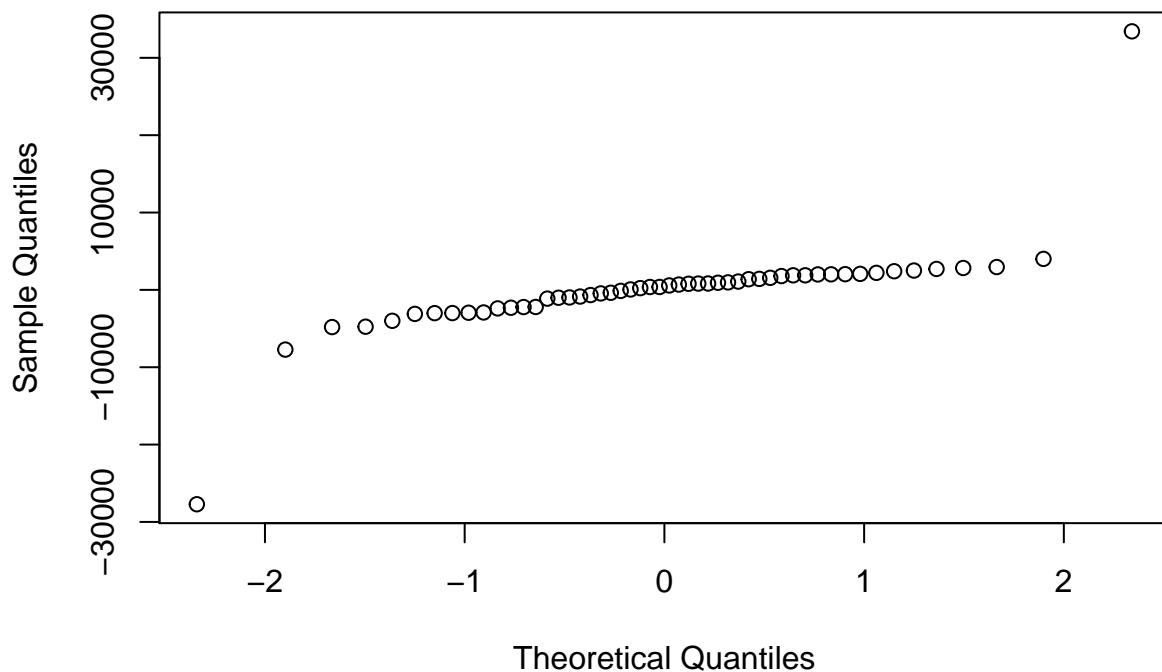
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



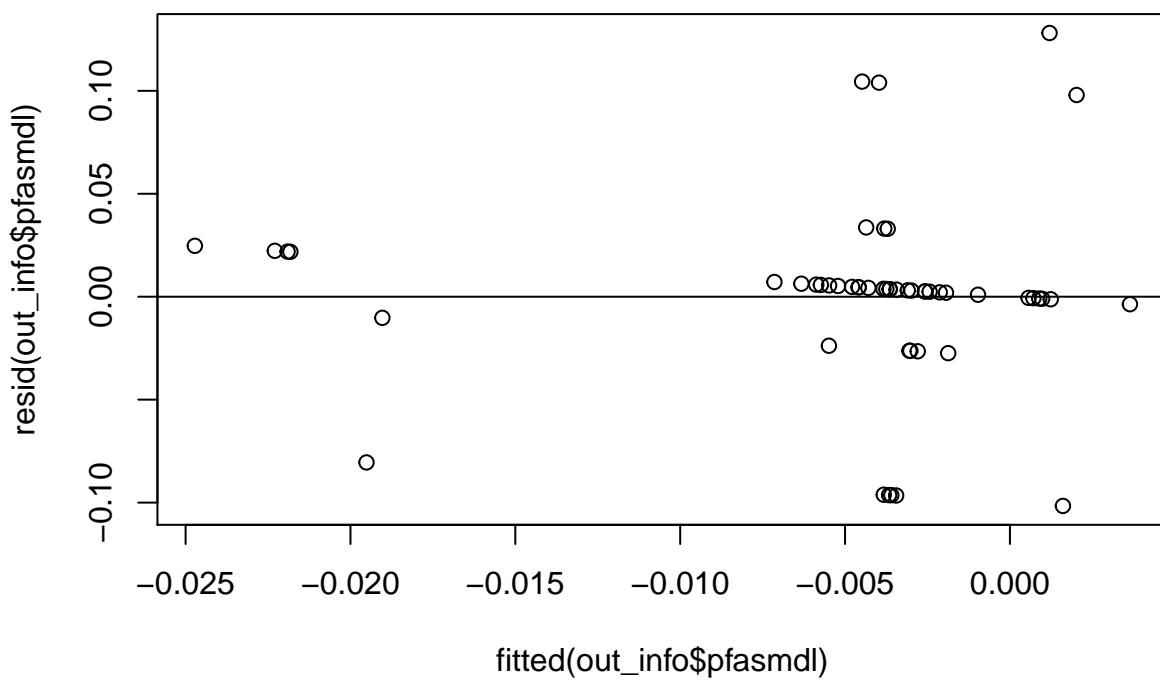
**Normal Q-Q Plot**



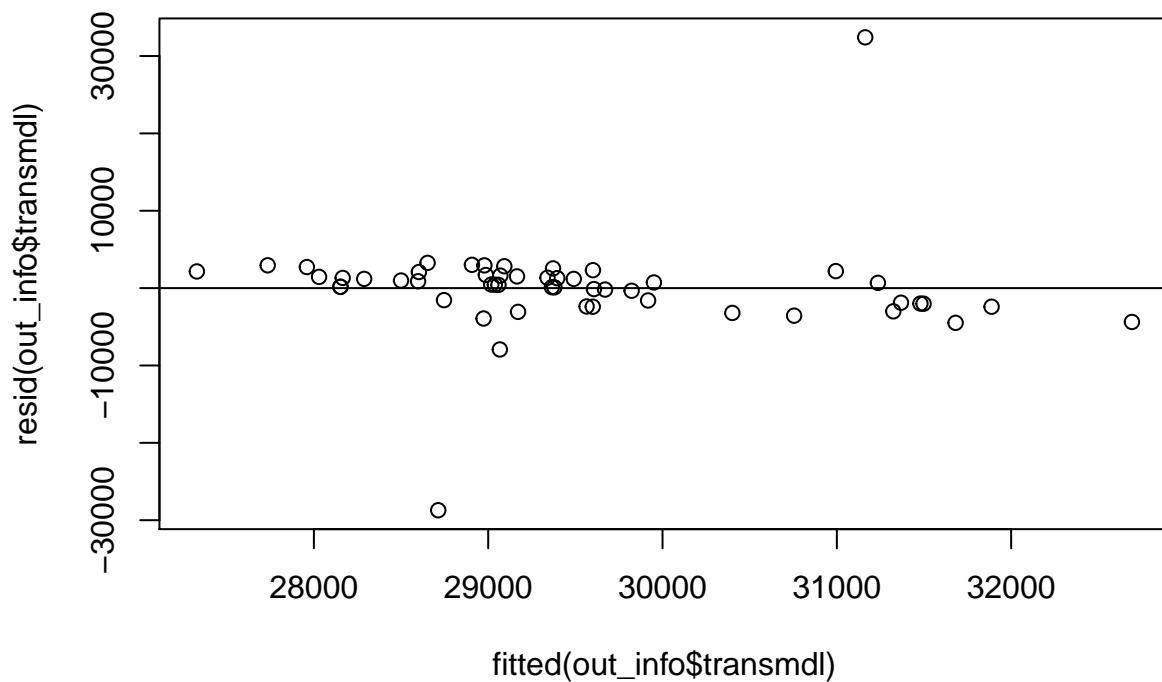
### Normal Q-Q Plot



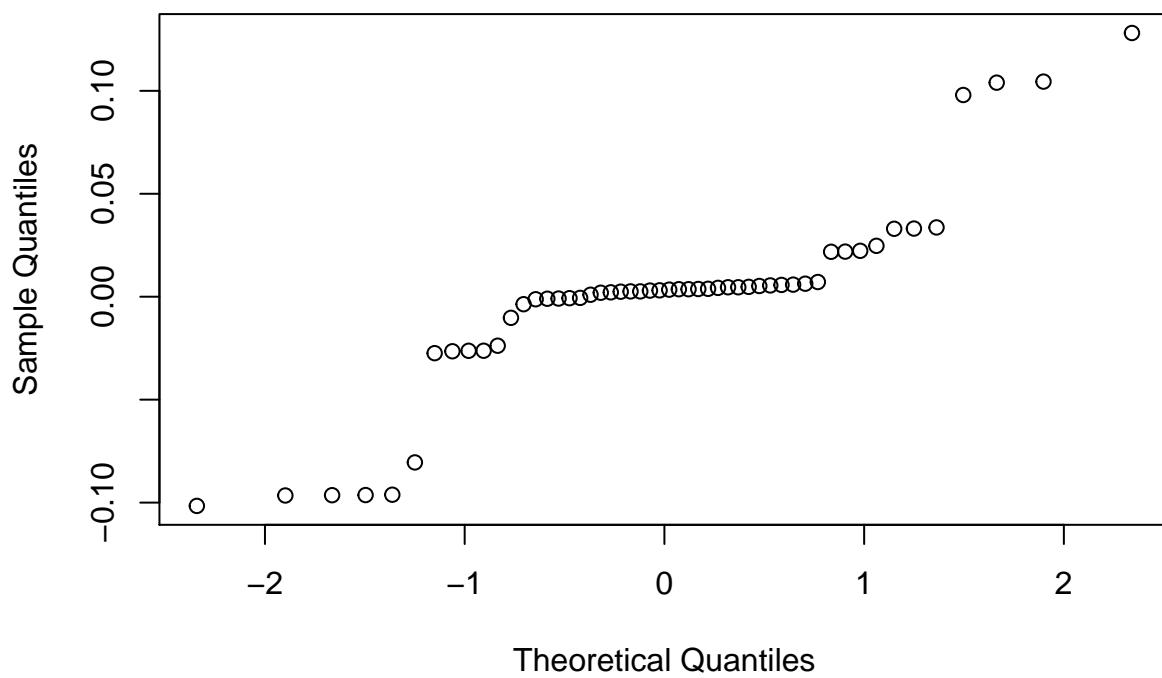
Plot of PFUAorig+  
Plot of PFUAorigstr.duration.hrs  
Plot of PFUAorigEthnicity



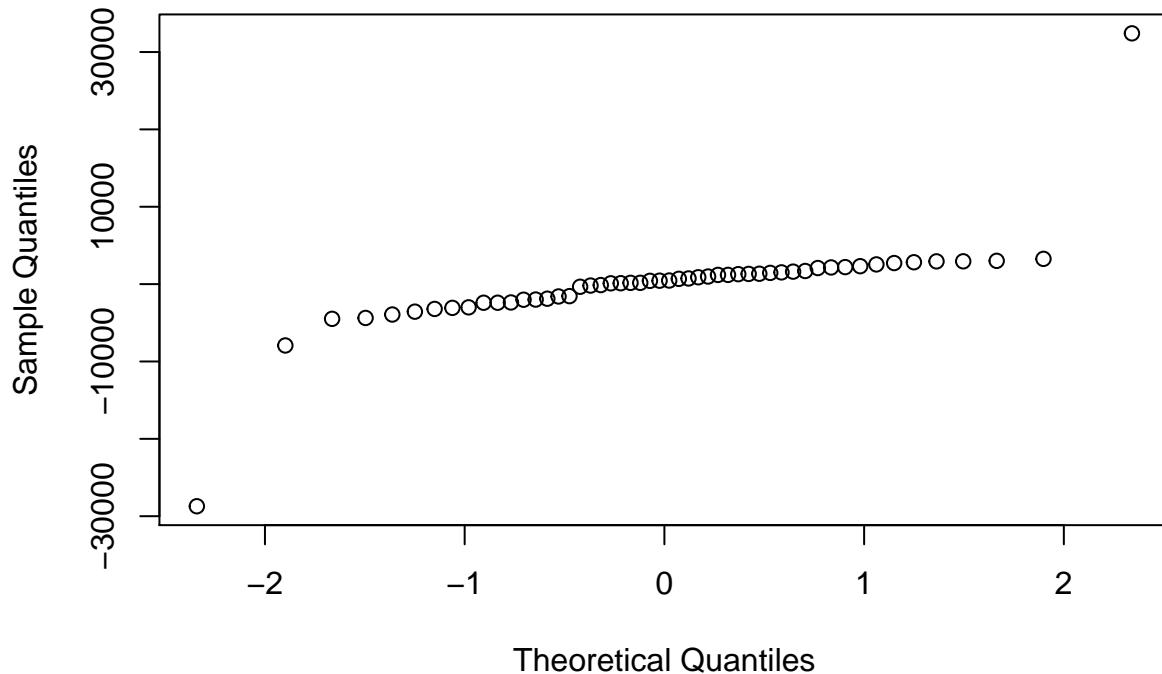
**Plot of PFNAtrans+  
Plot of PFNAtransstr.duration.hrs  
Plot of PFNAtransEthnicity**



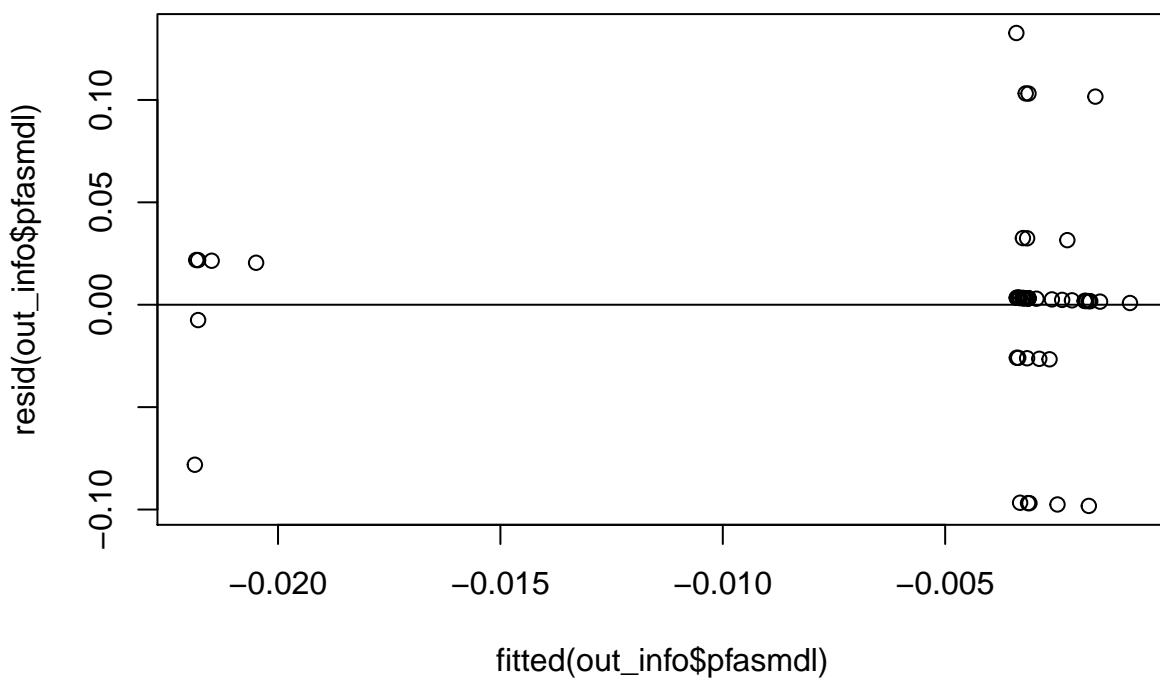
**Normal Q-Q Plot**



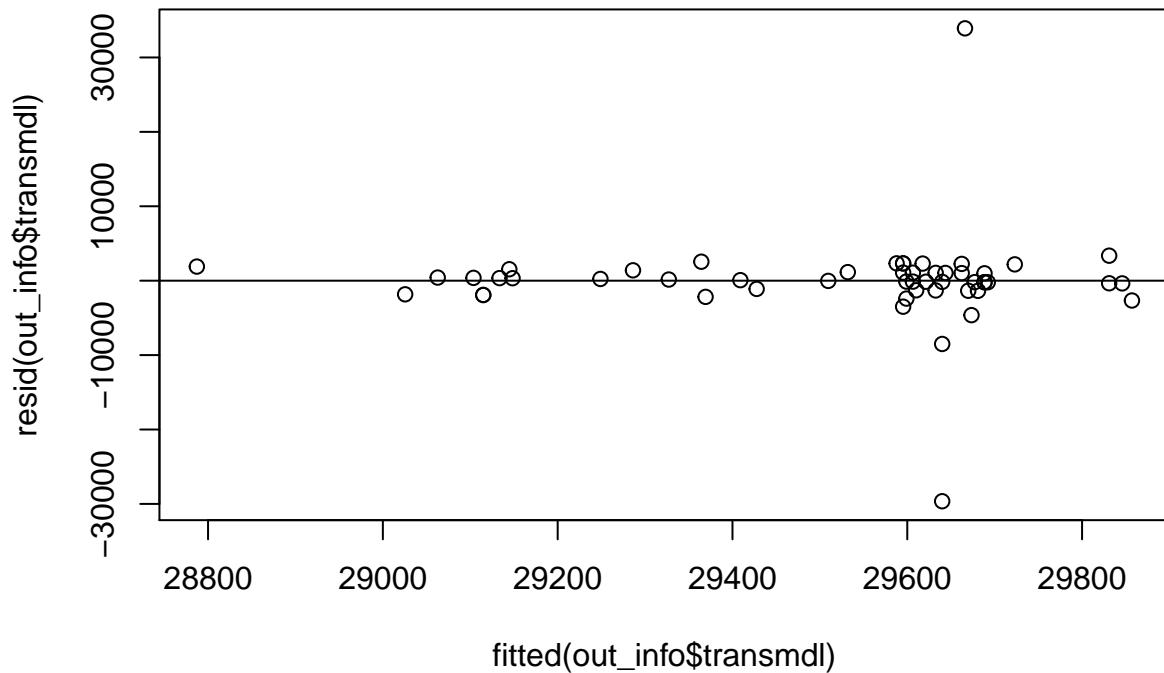
### Normal Q-Q Plot



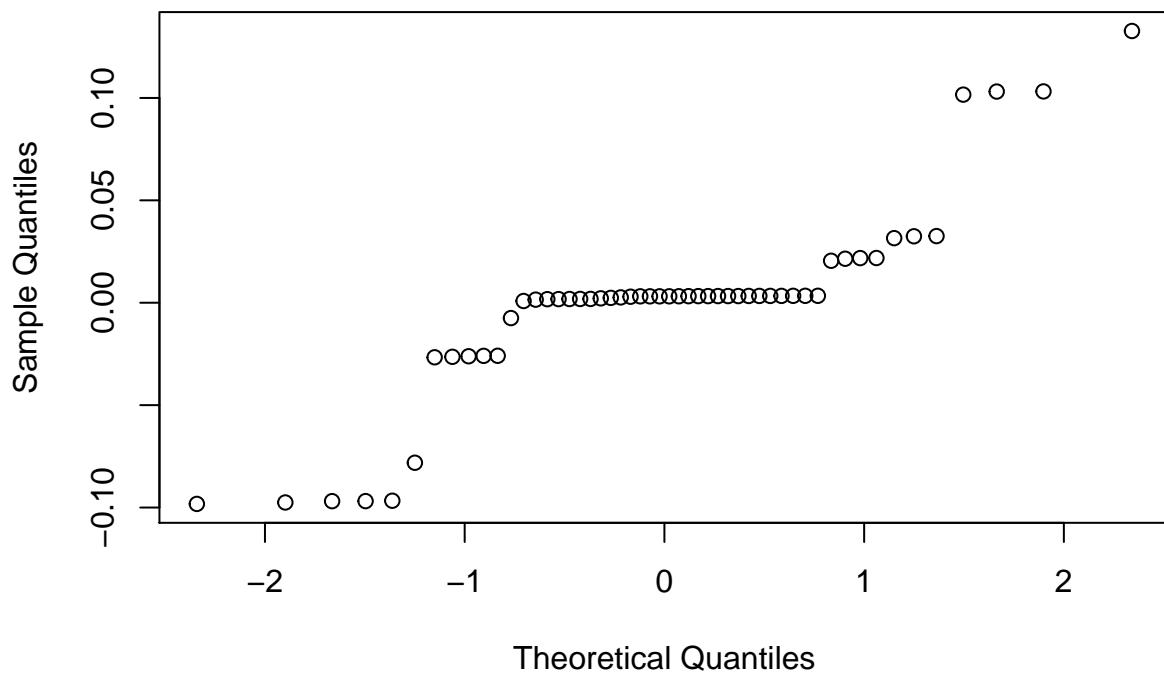
Plot of PFUAorig+  
Plot of PFUAorigdays.since.MRF  
Plot of PFUAorigEthnicity



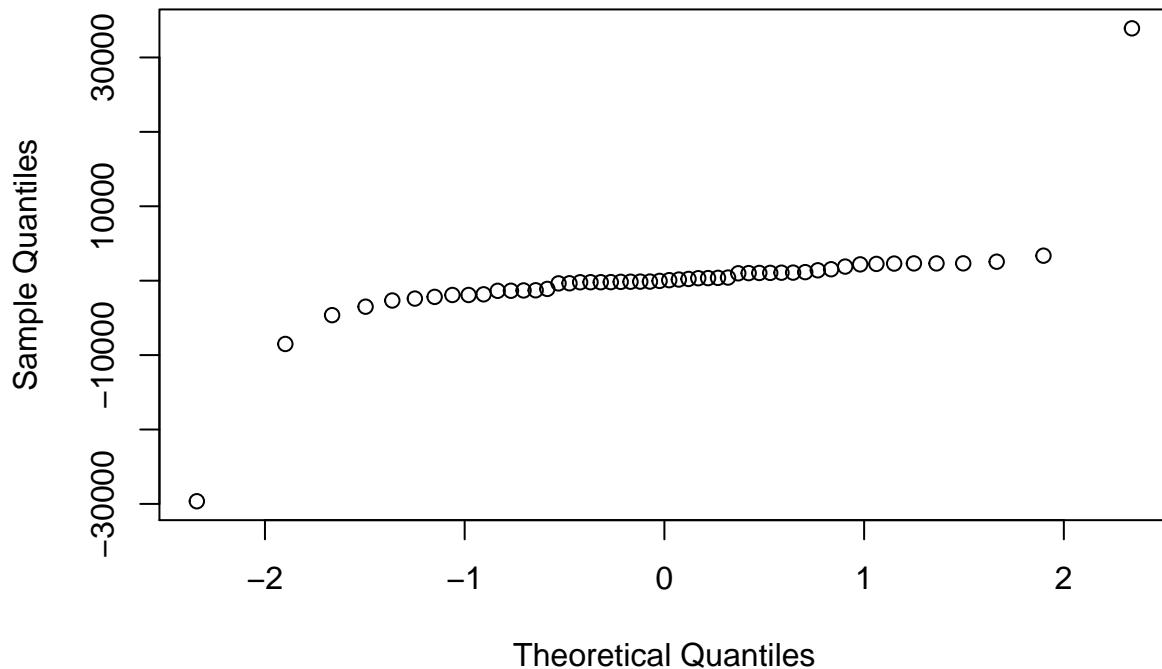
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



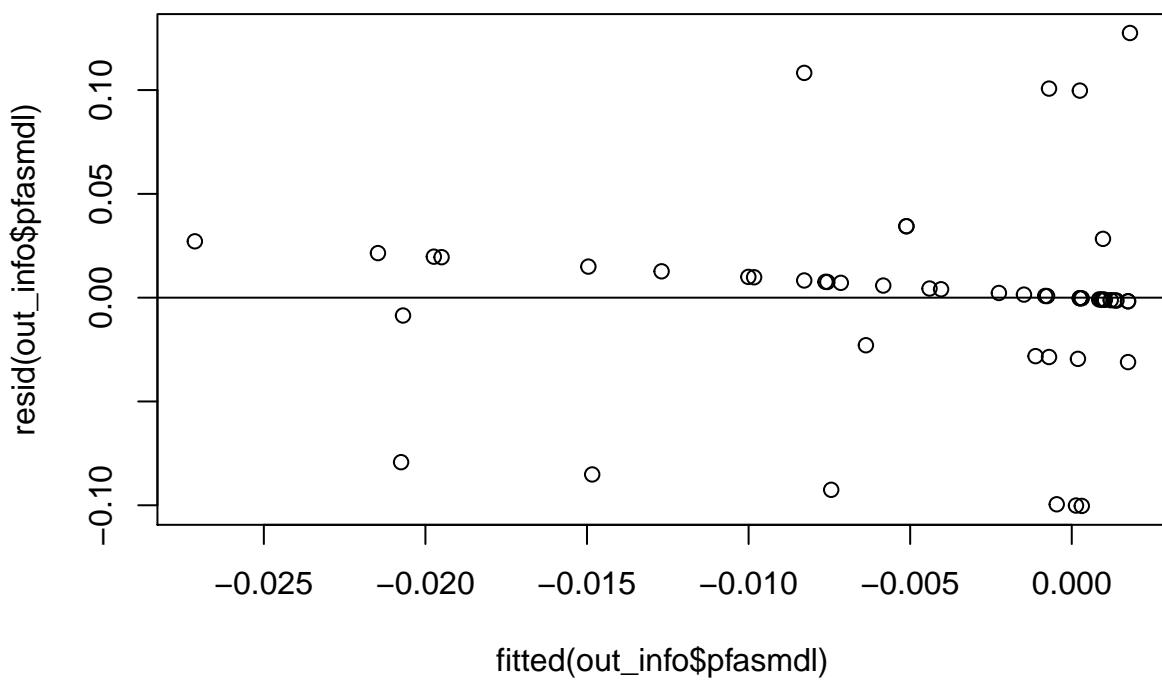
**Normal Q-Q Plot**



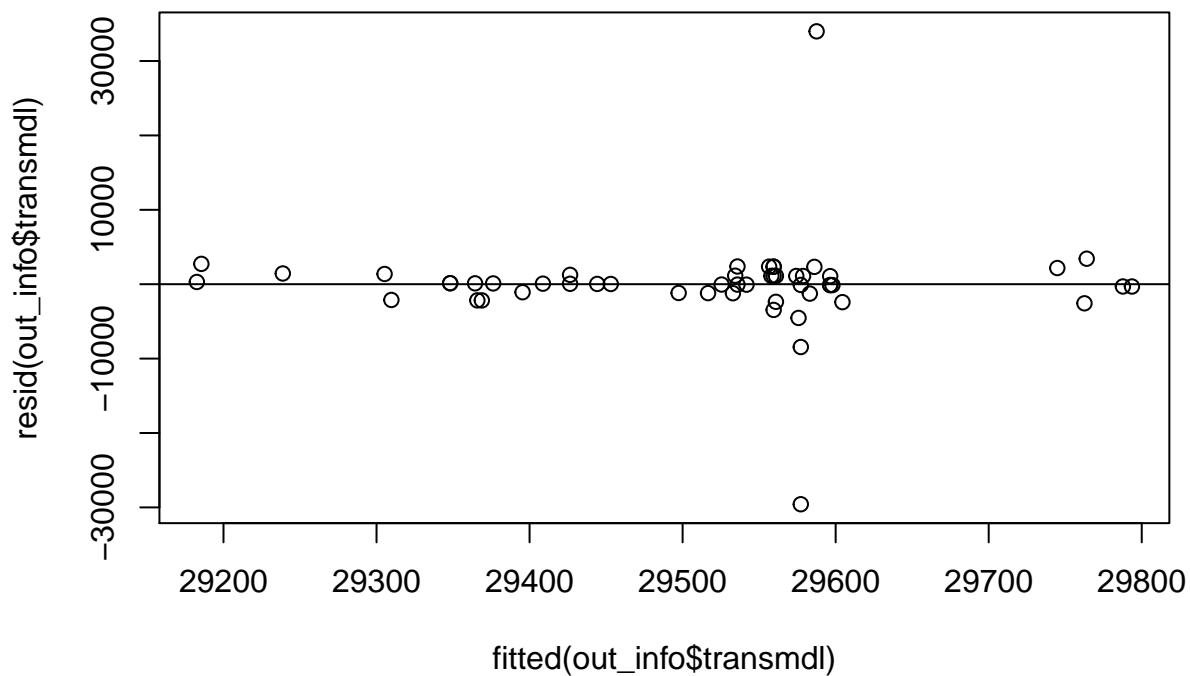
### Normal Q-Q Plot



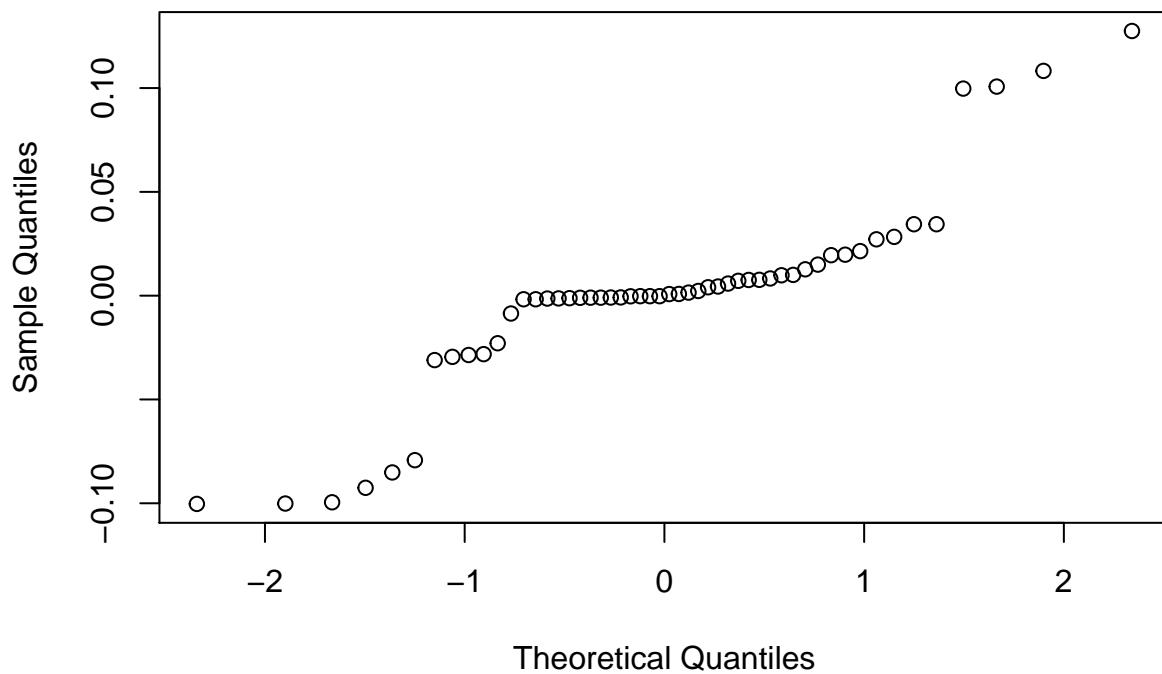
Plot of PFUAorig+  
Plot of PFUAorigdays.since.struc.MRF  
Plot of PFUAorigEthnicity



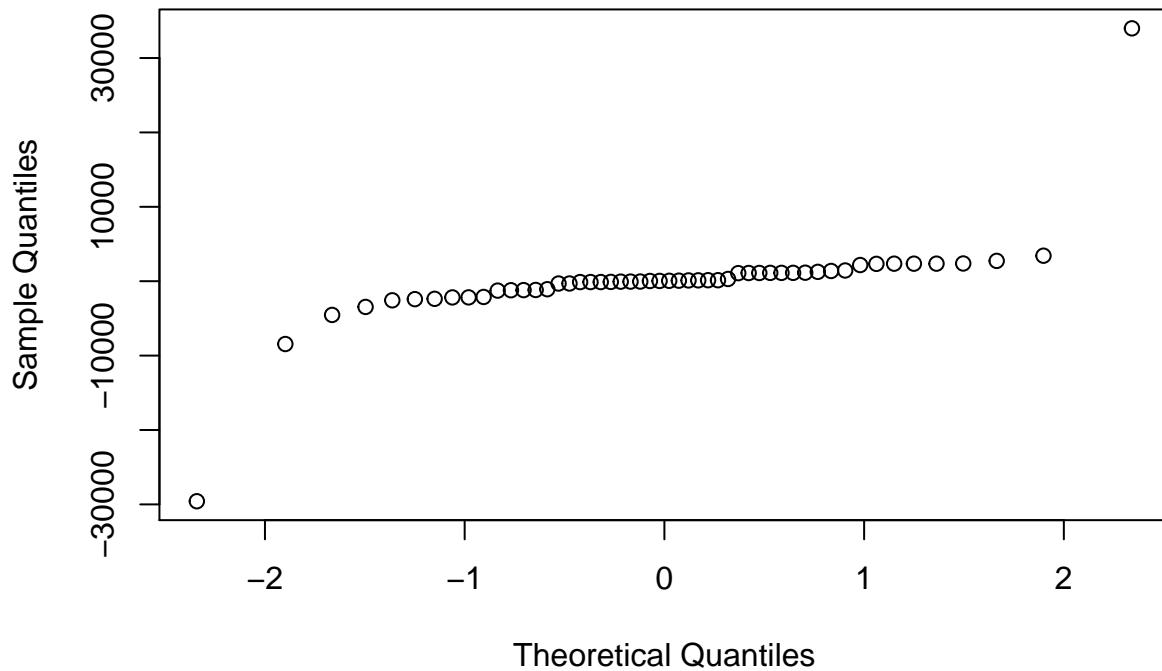
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.struc.MRF  
Plot of PFNAtransEthnicity**



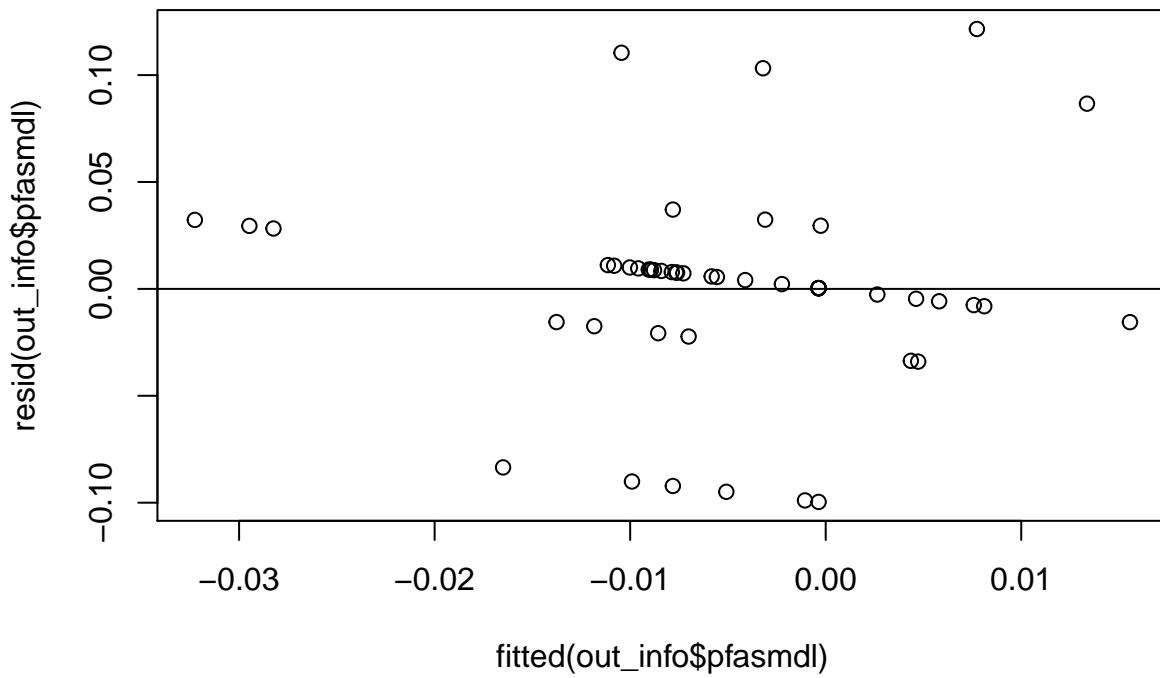
**Normal Q-Q Plot**



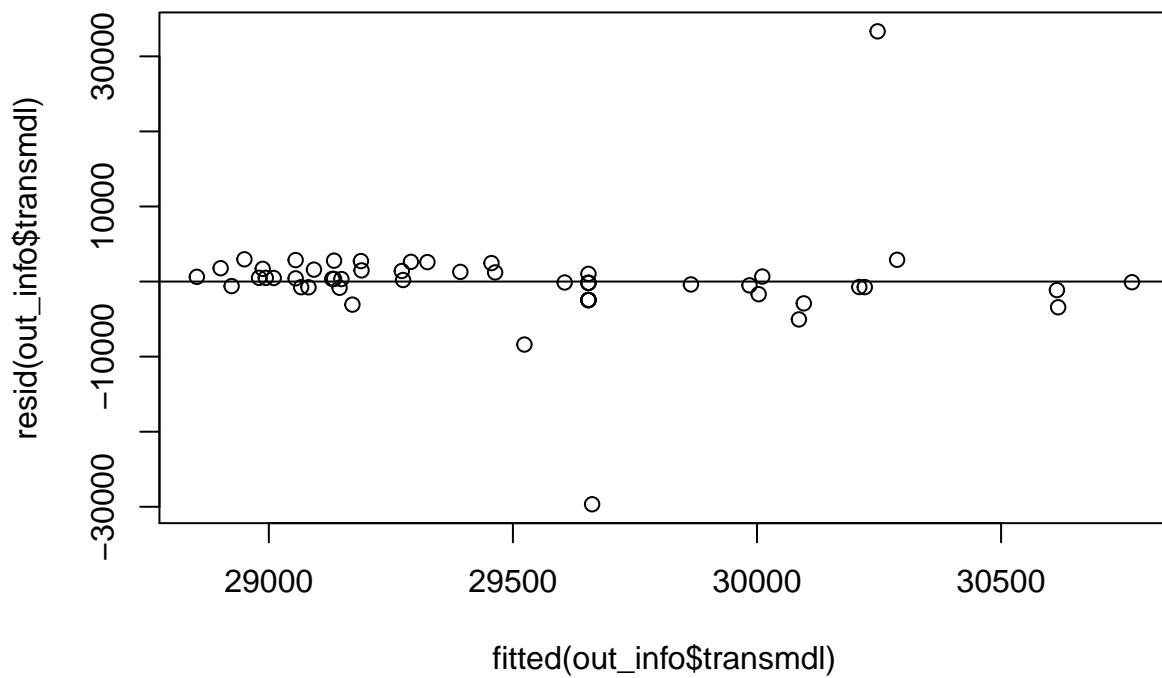
### Normal Q-Q Plot



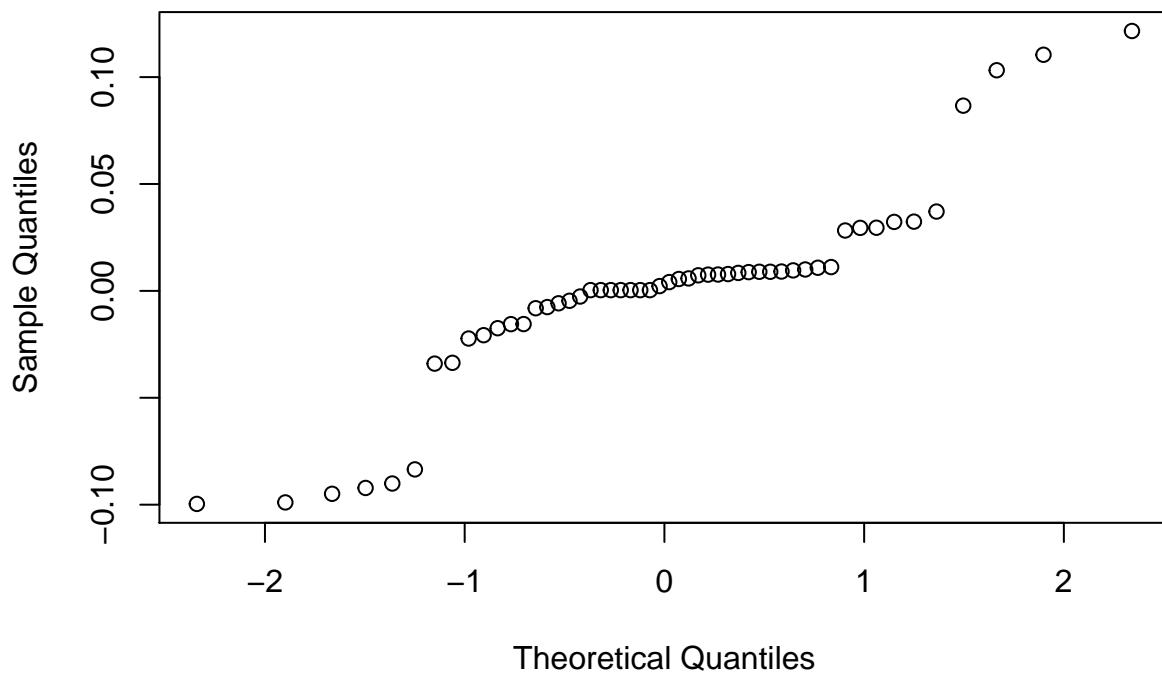
Plot of PFUAorig+  
Plot of PFUAorigtime.since.baseline  
Plot of PFUAorigEthnicity



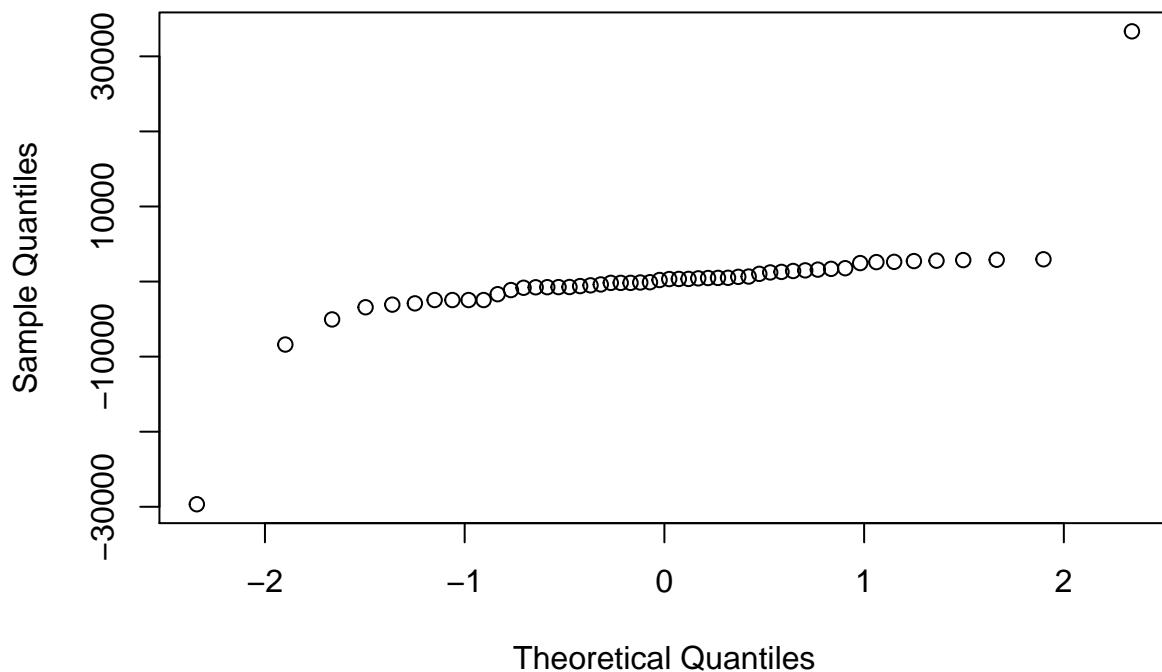
**Plot of PFNAtrans+  
Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



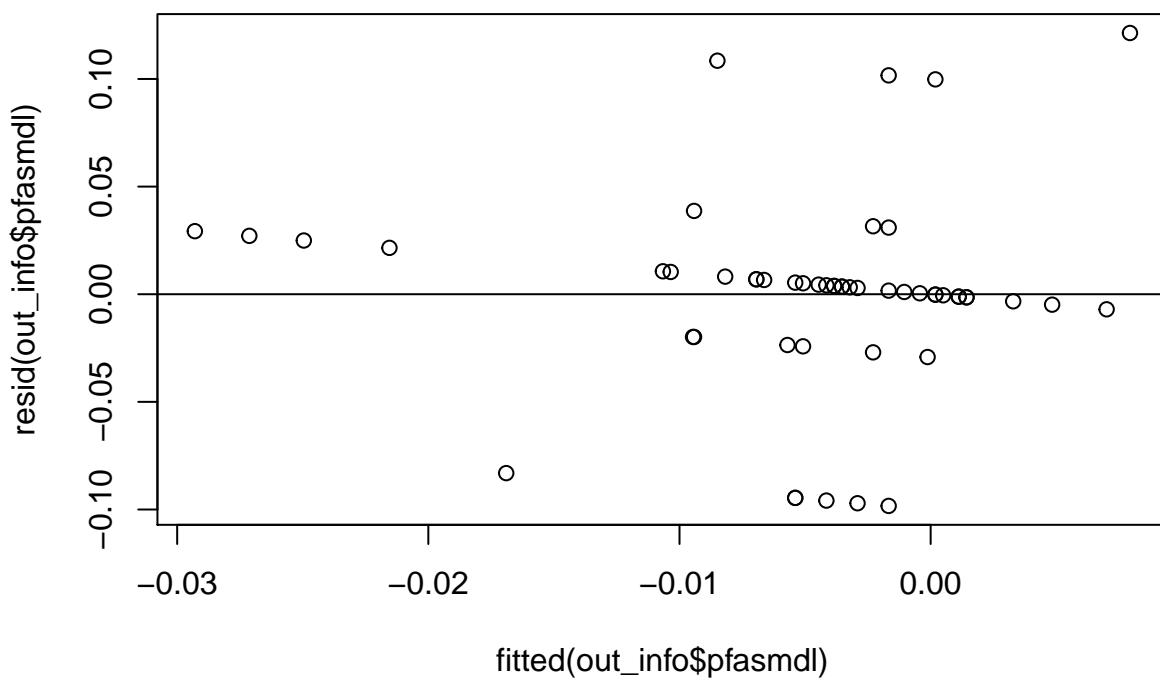
**Normal Q-Q Plot**



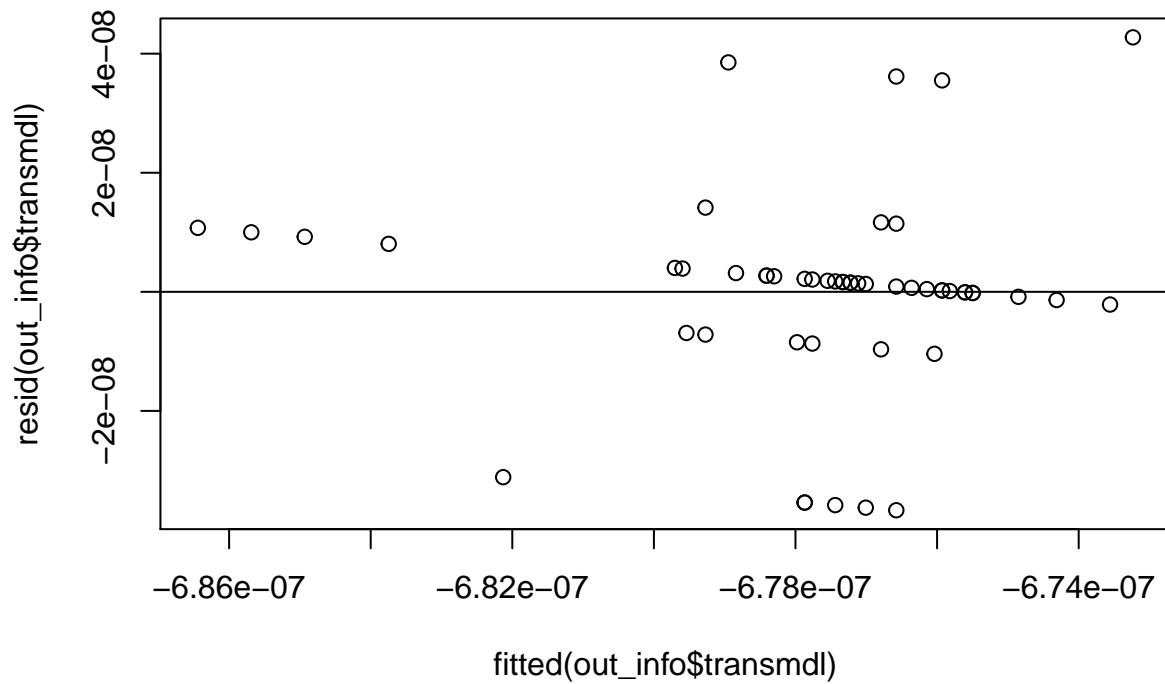
### Normal Q-Q Plot



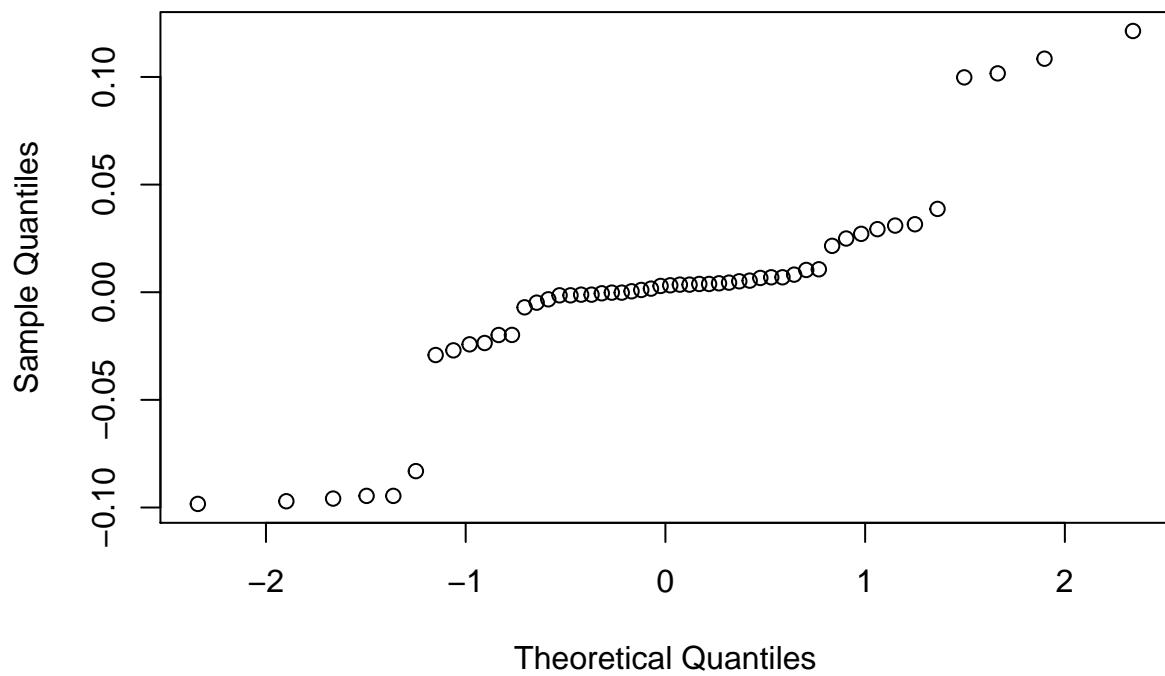
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



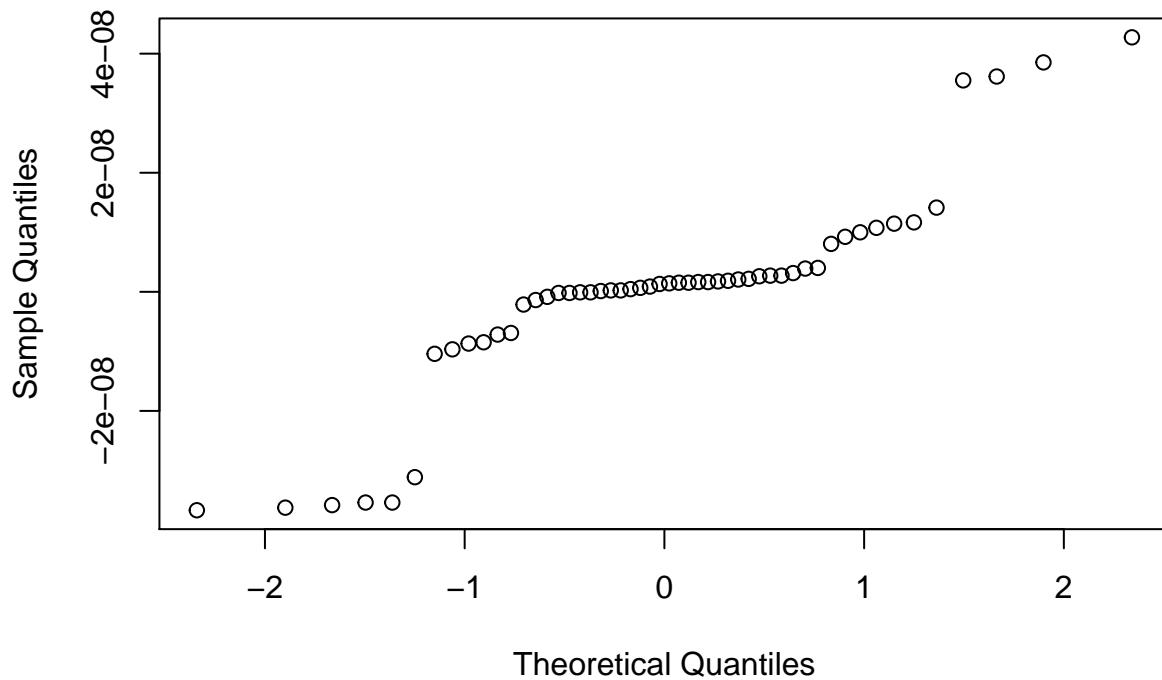
**Plot of PFUATrans+  
Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**



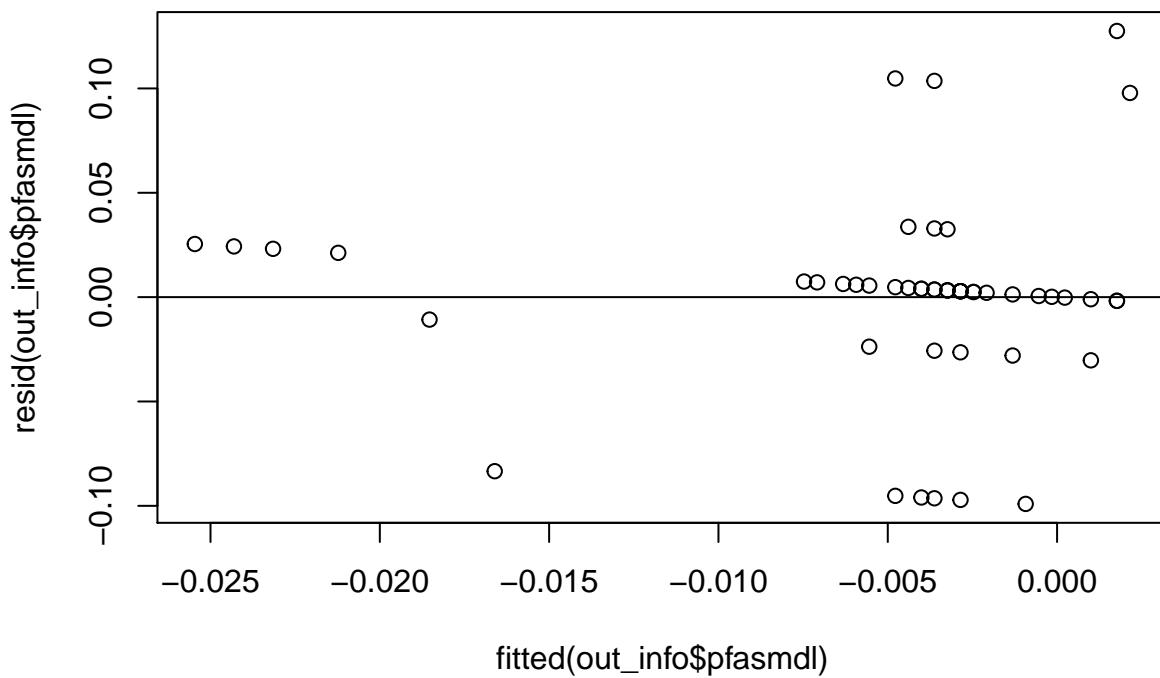
**Normal Q-Q Plot**



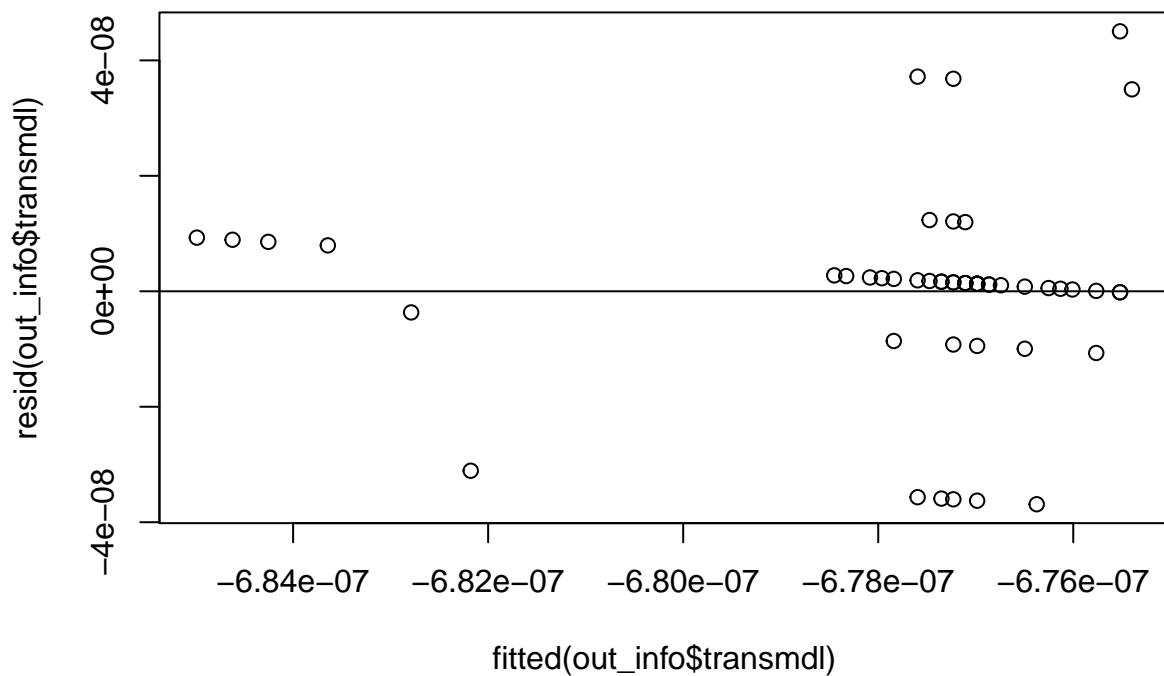
### Normal Q-Q Plot



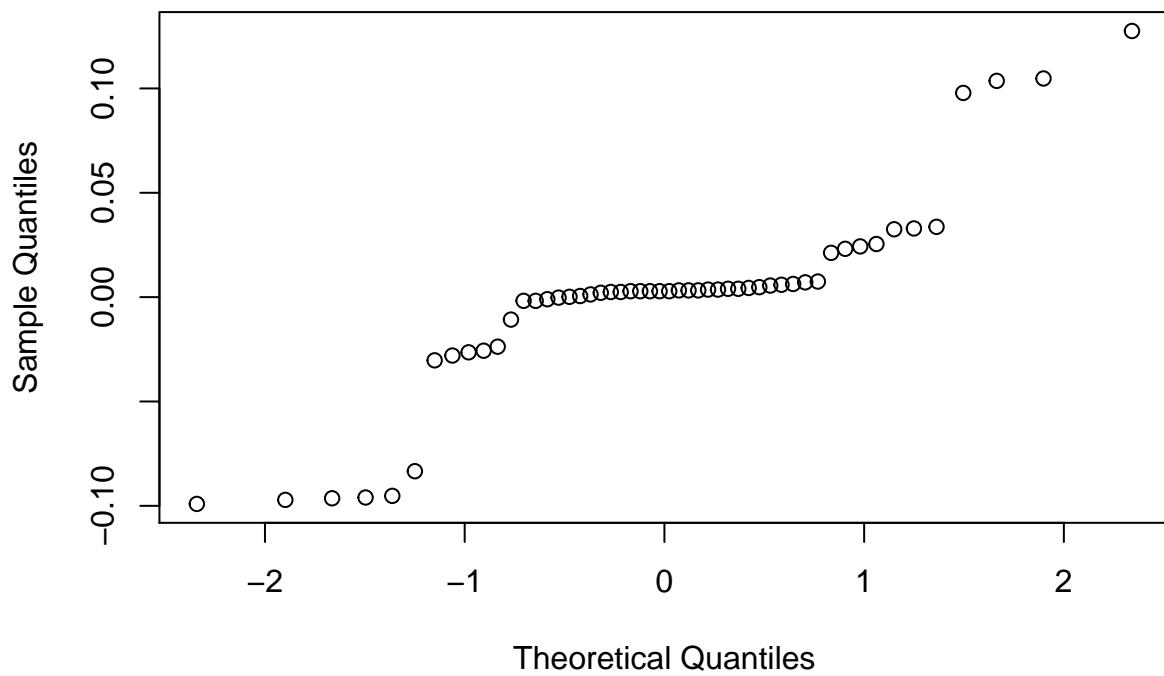
**Plot of PFUAorig+  
Plot of PFUAorigstr.num.fireruns  
Plot of PFUAorigEthnicity**



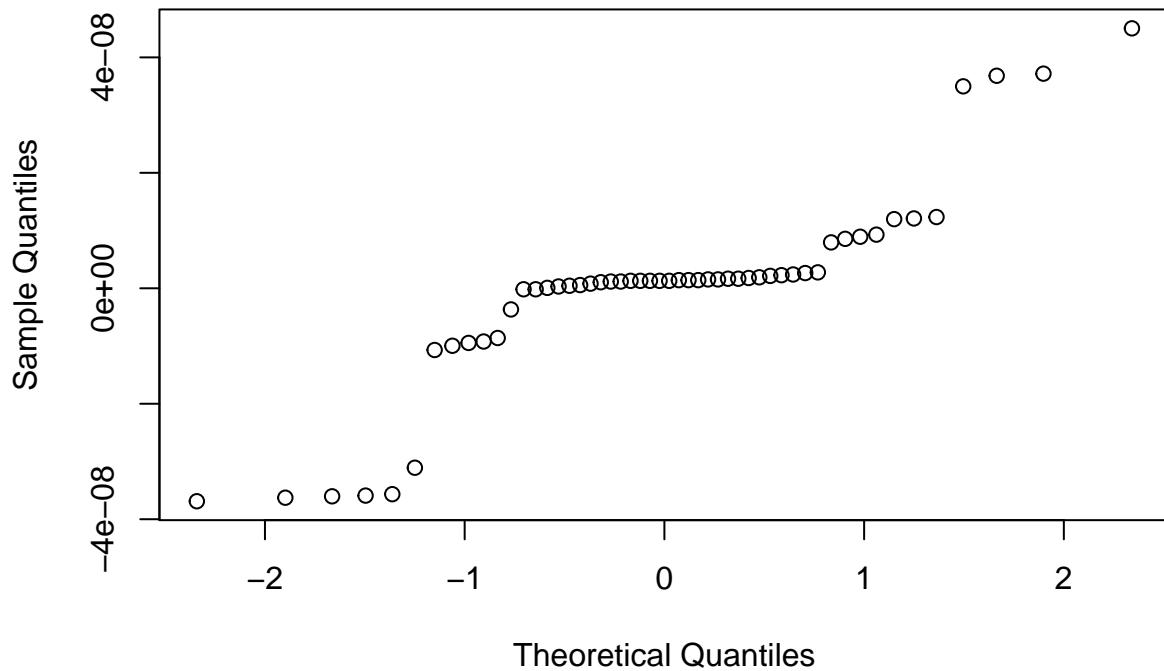
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



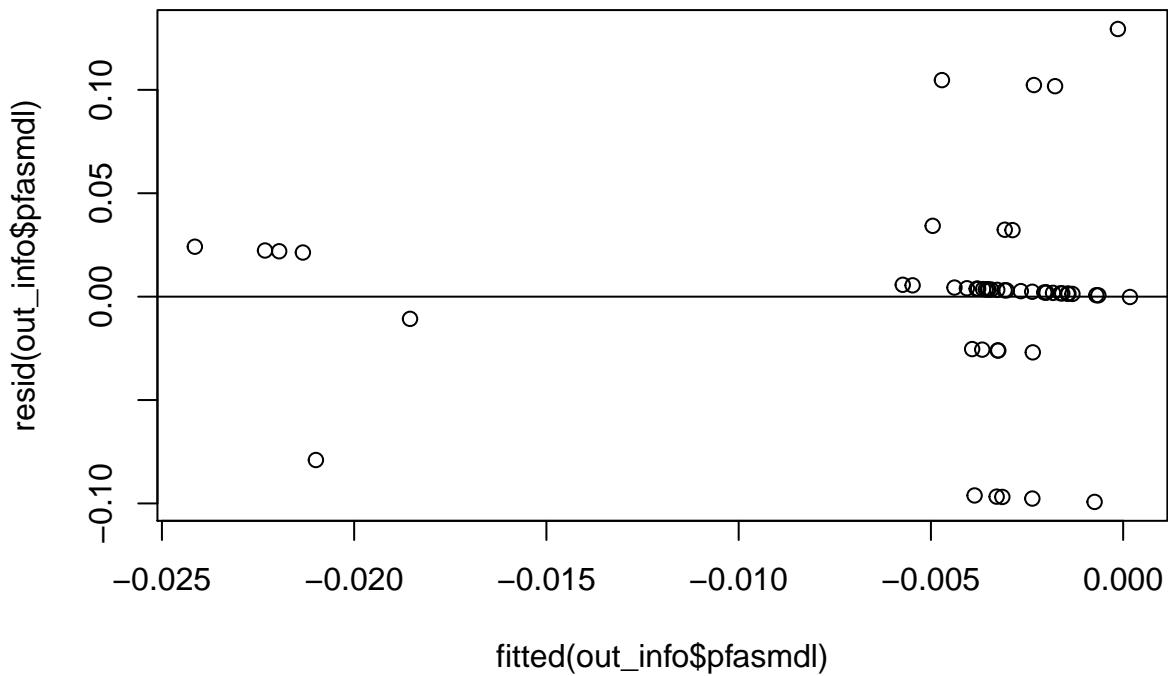
**Normal Q-Q Plot**



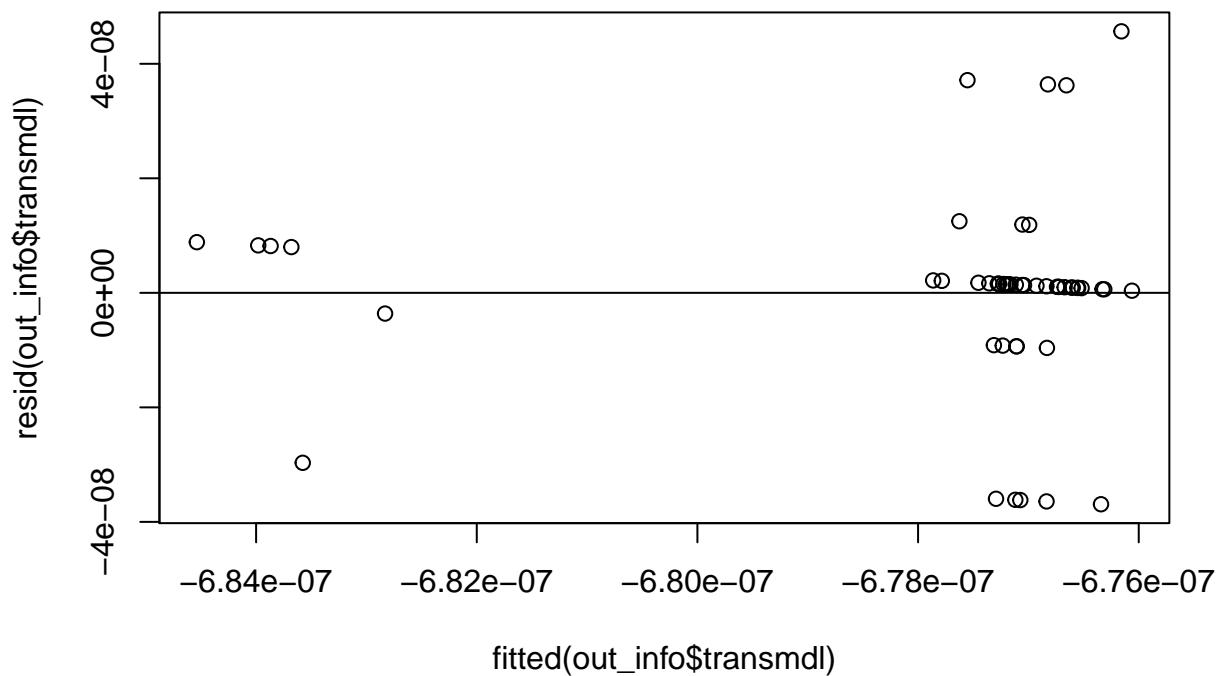
### Normal Q-Q Plot



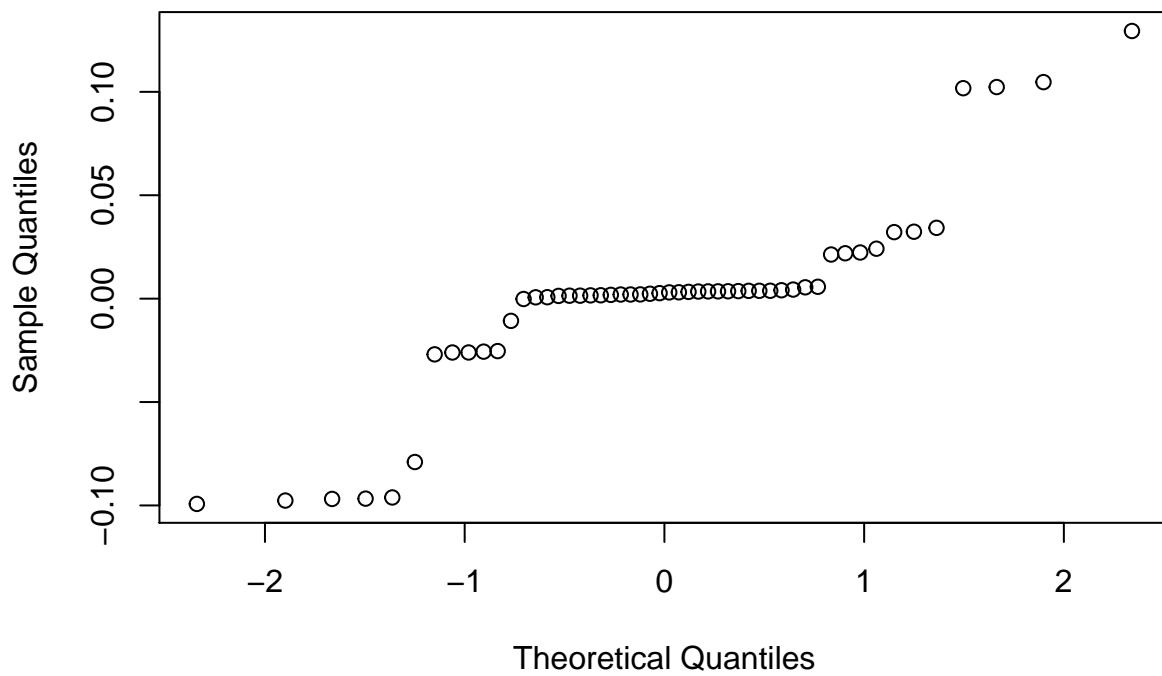
Plot of PFUAorig+  
Plot of PFUAorigtotal.duration.hrs  
Plot of PFUAorigEthnicity



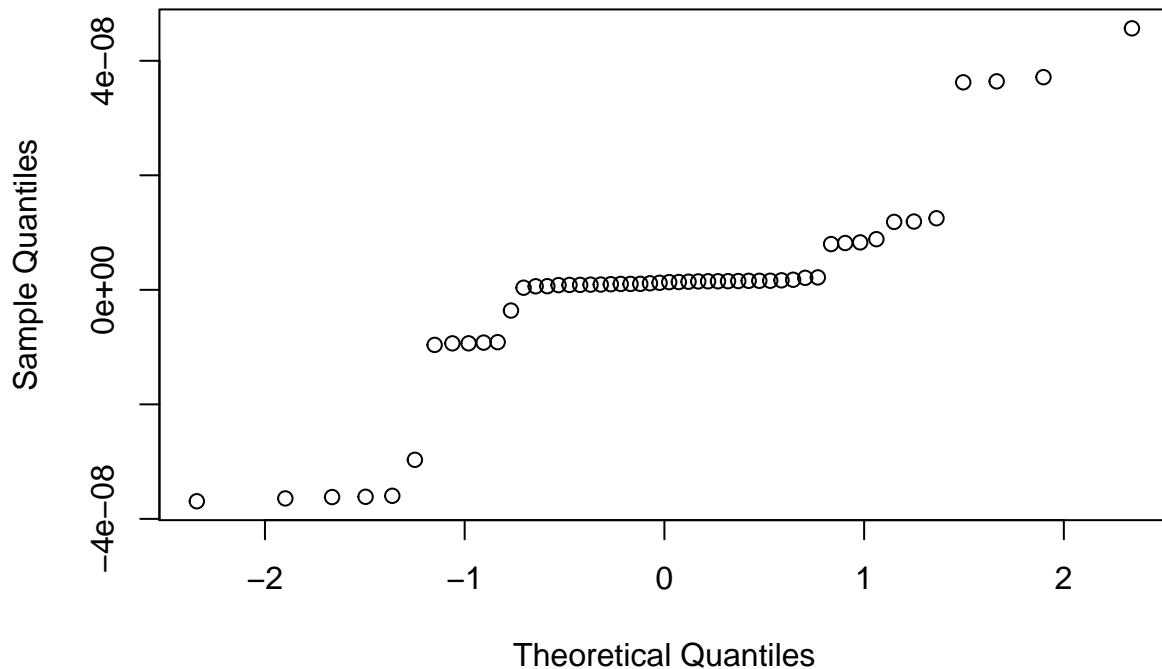
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



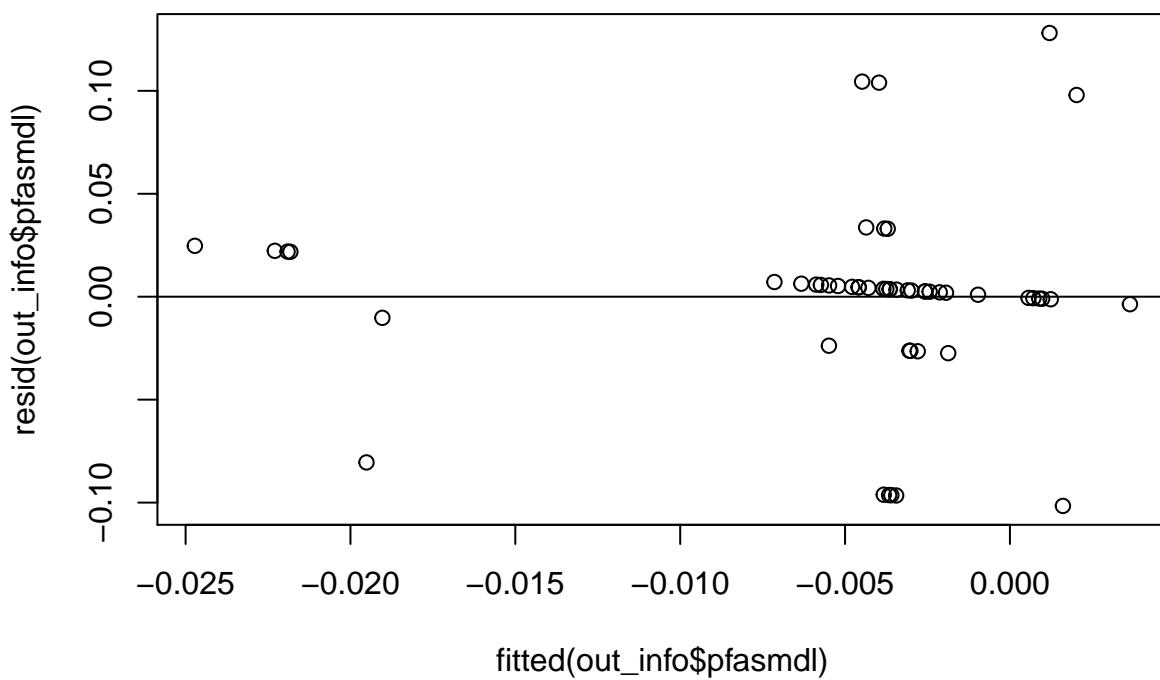
**Normal Q-Q Plot**



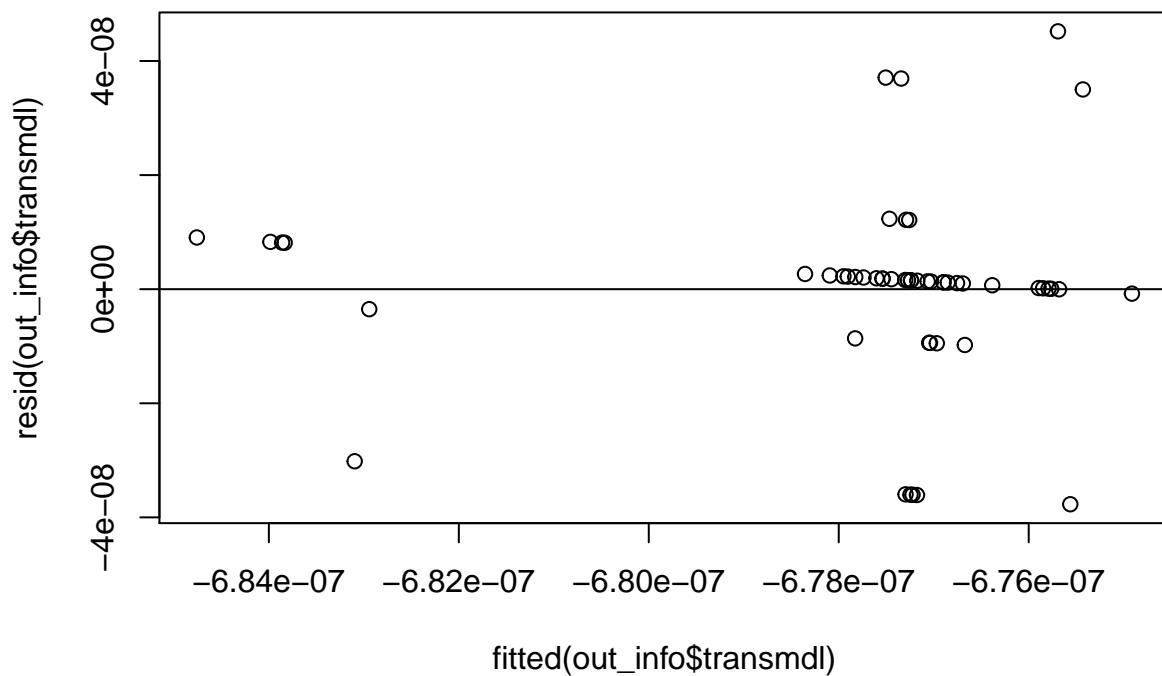
### Normal Q-Q Plot



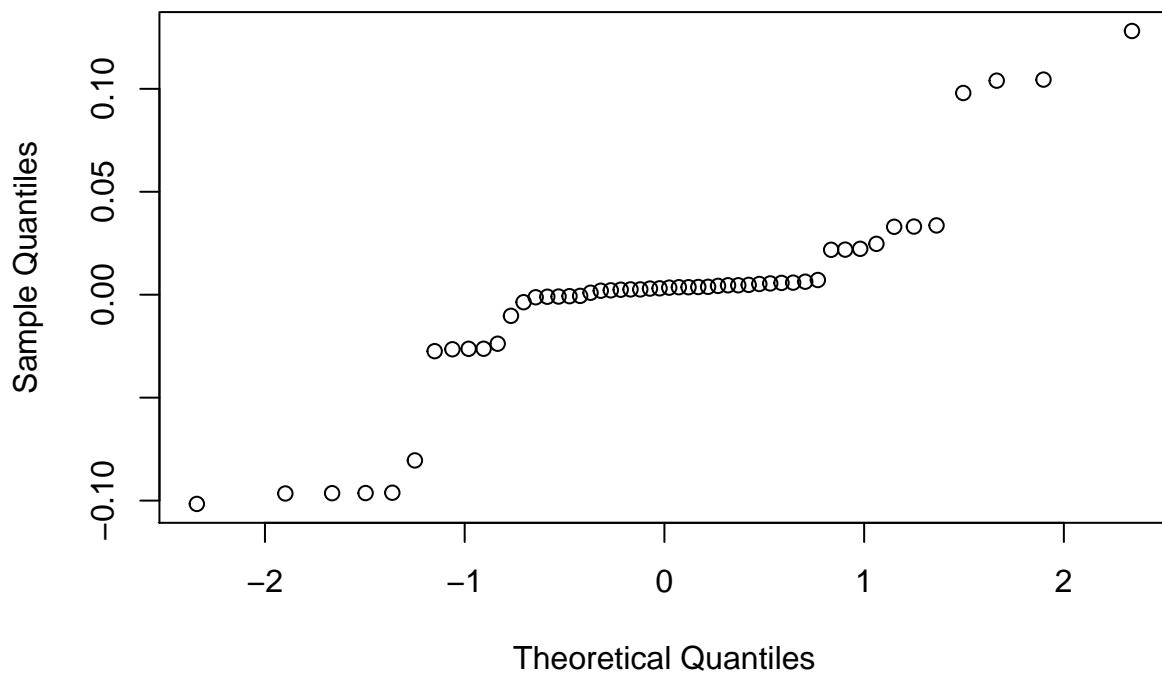
Plot of PFUAorig+  
Plot of PFUAorigstr.duration.hrs  
Plot of PFUAorigEthnicity



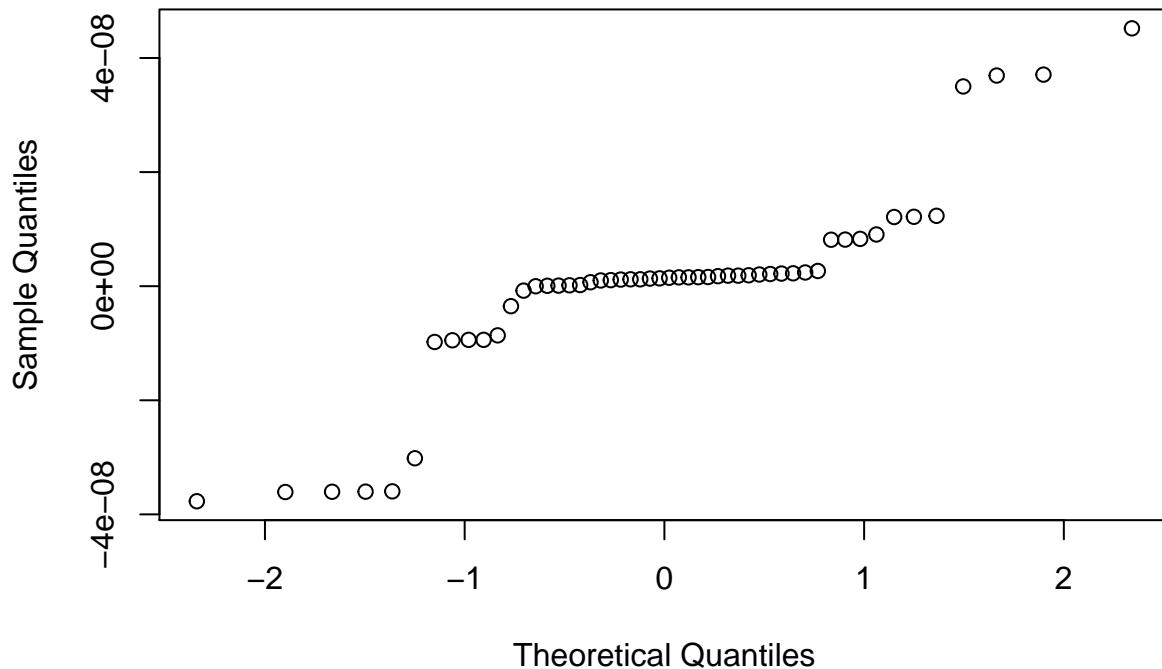
**Plot of PFUATrans+  
Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



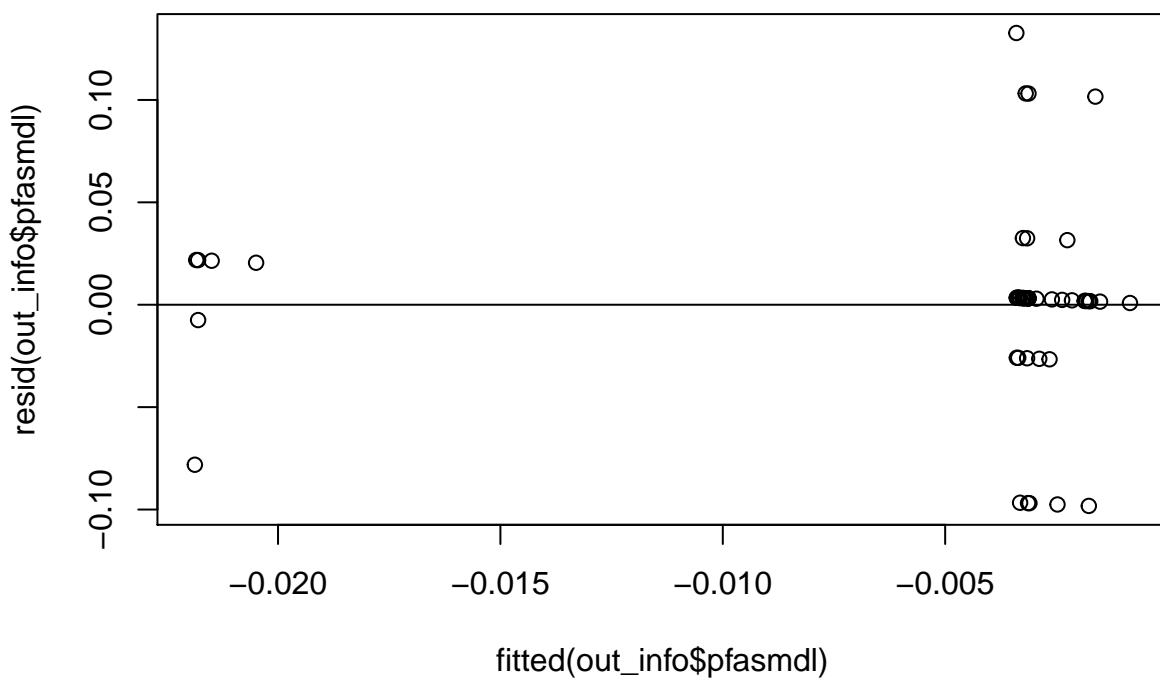
**Normal Q-Q Plot**



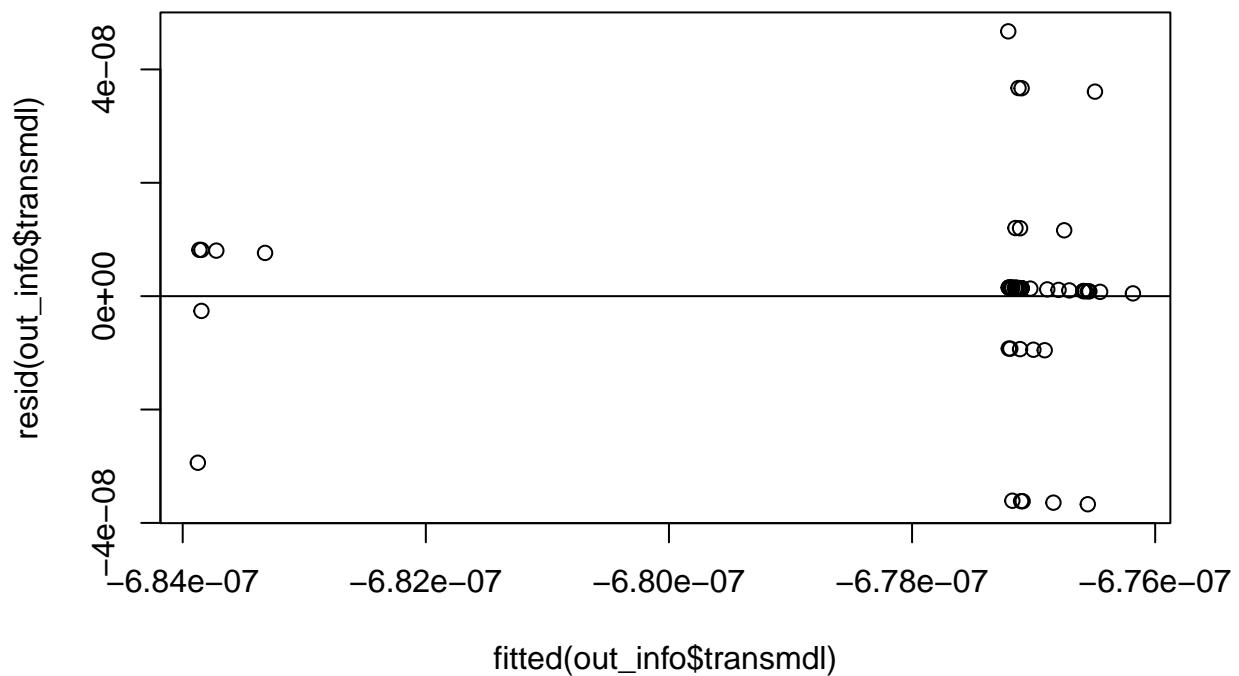
### Normal Q-Q Plot



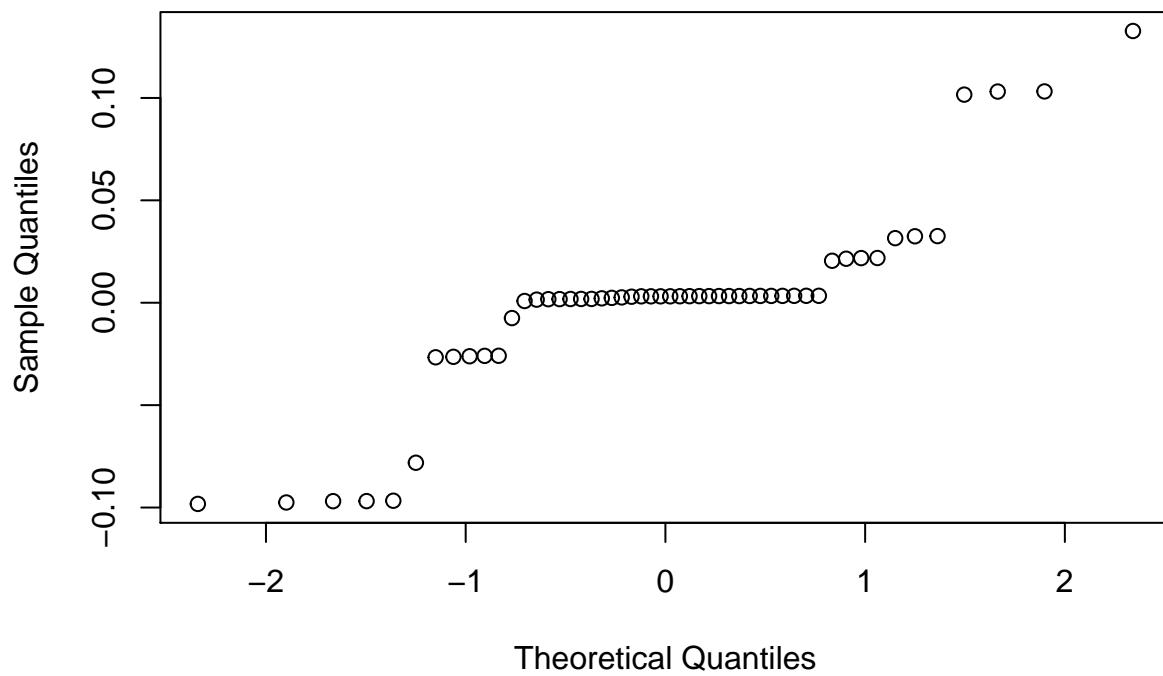
Plot of PFUAorig+  
Plot of PFUAorigdays.since.MRF  
Plot of PFUAorigEthnicity



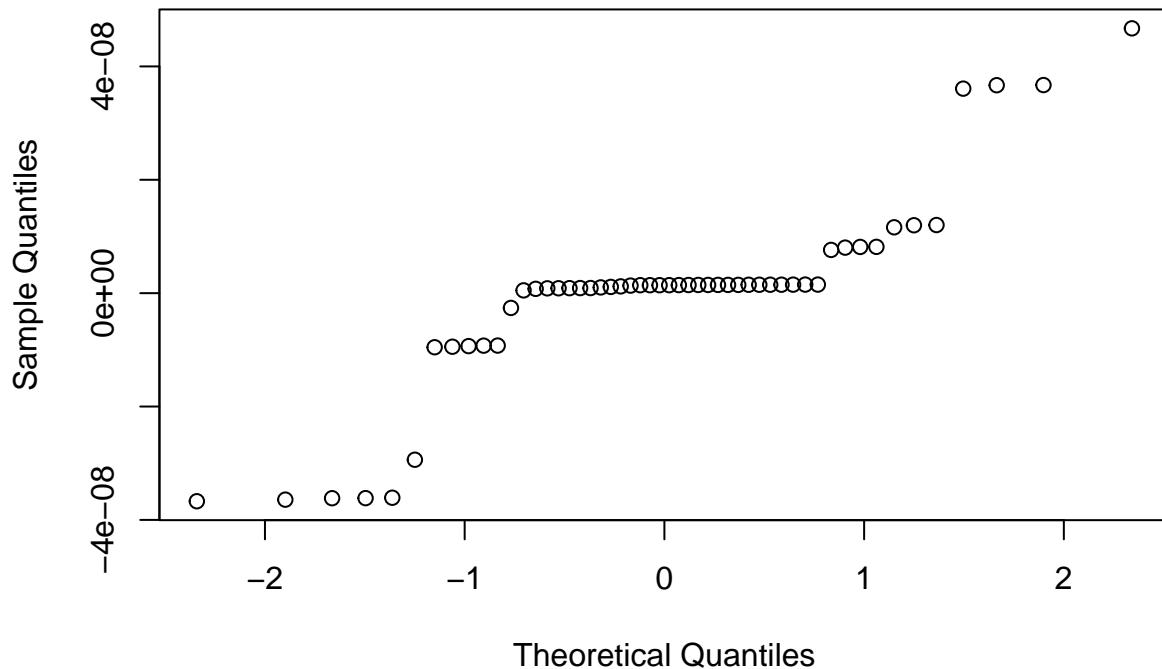
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



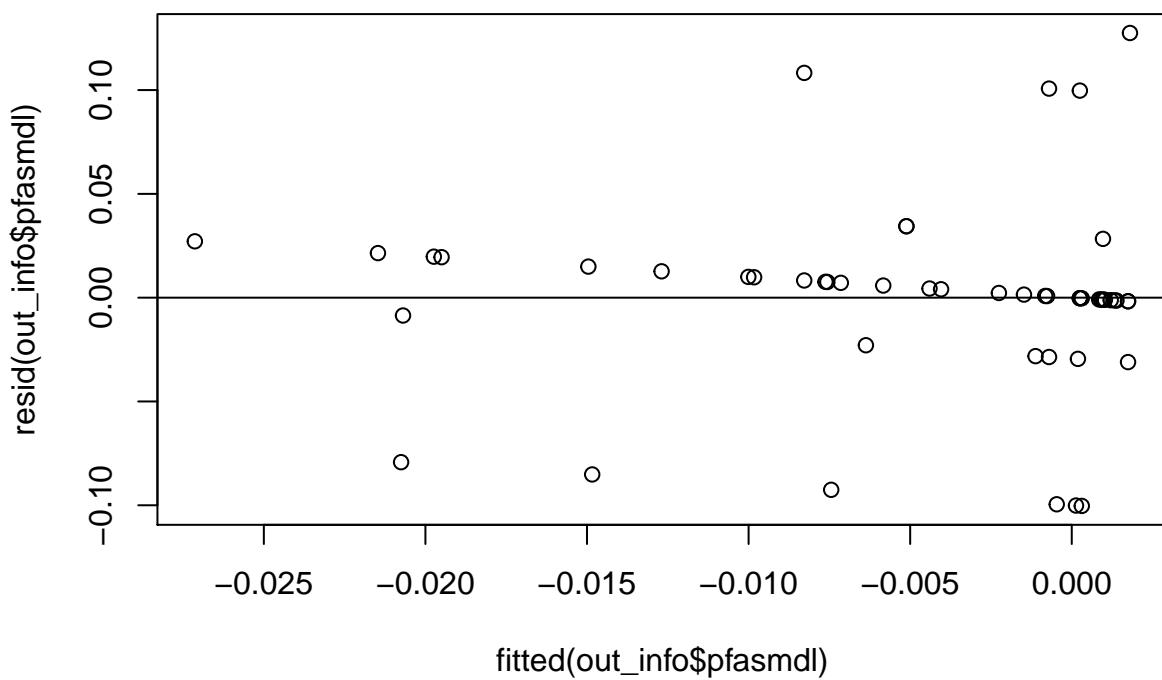
**Normal Q-Q Plot**



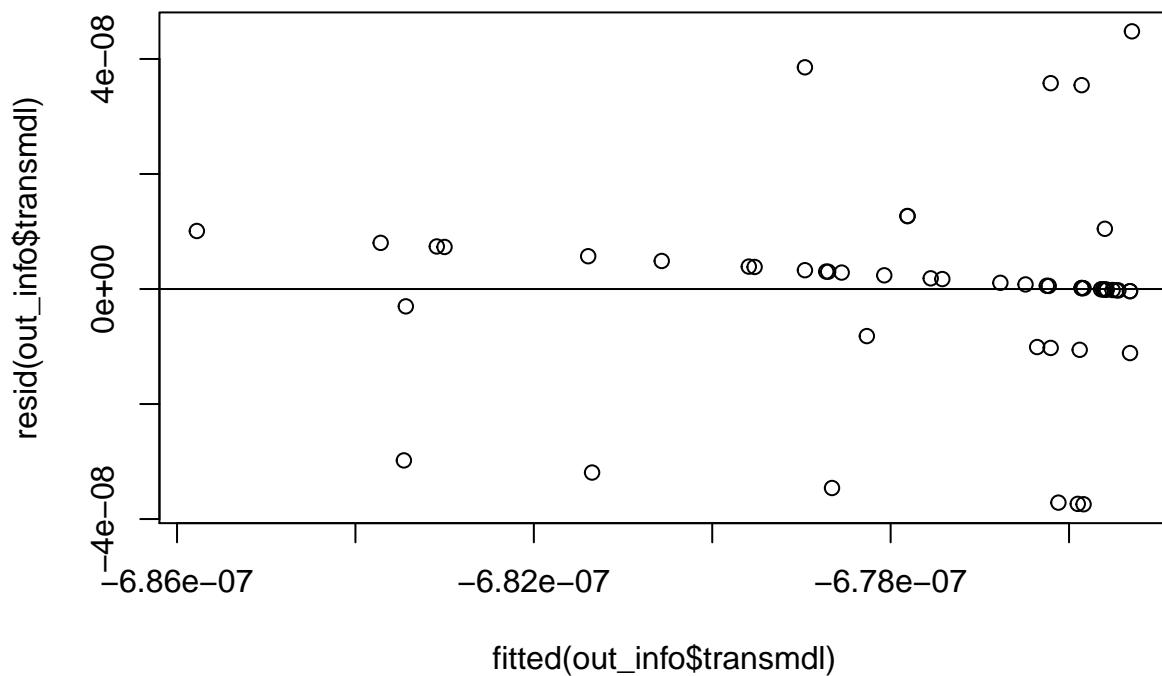
### Normal Q-Q Plot



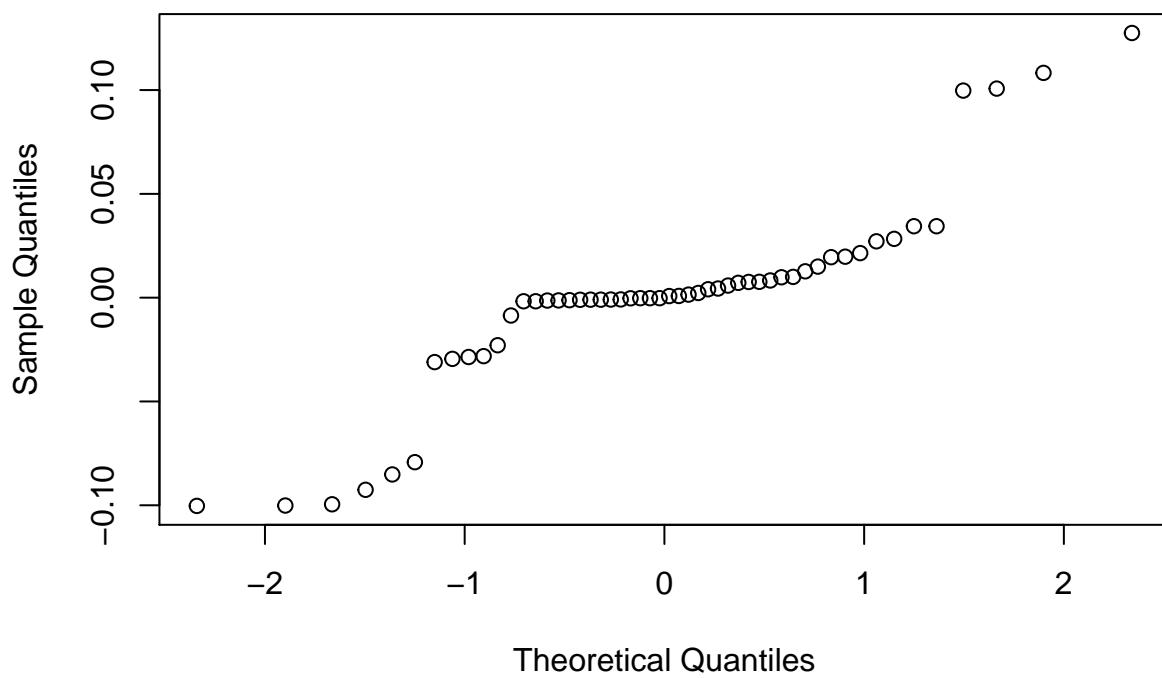
Plot of PFUAorig+  
Plot of PFUAorigdays.since.struc.MRF  
Plot of PFUAorigEthnicity



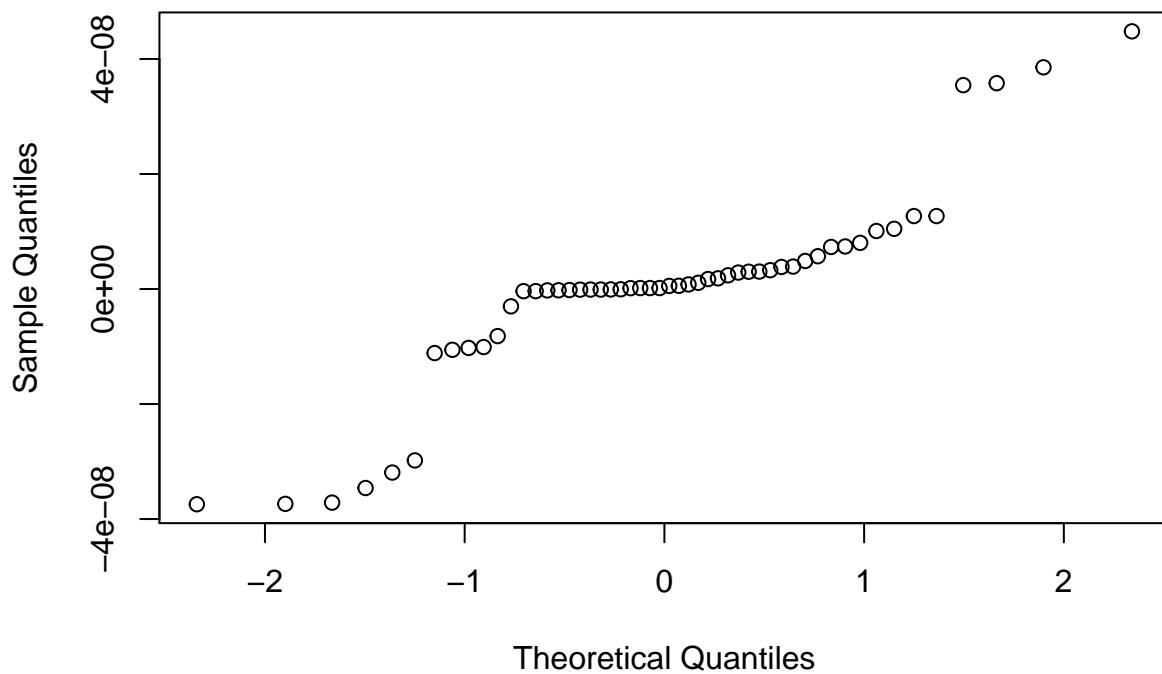
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



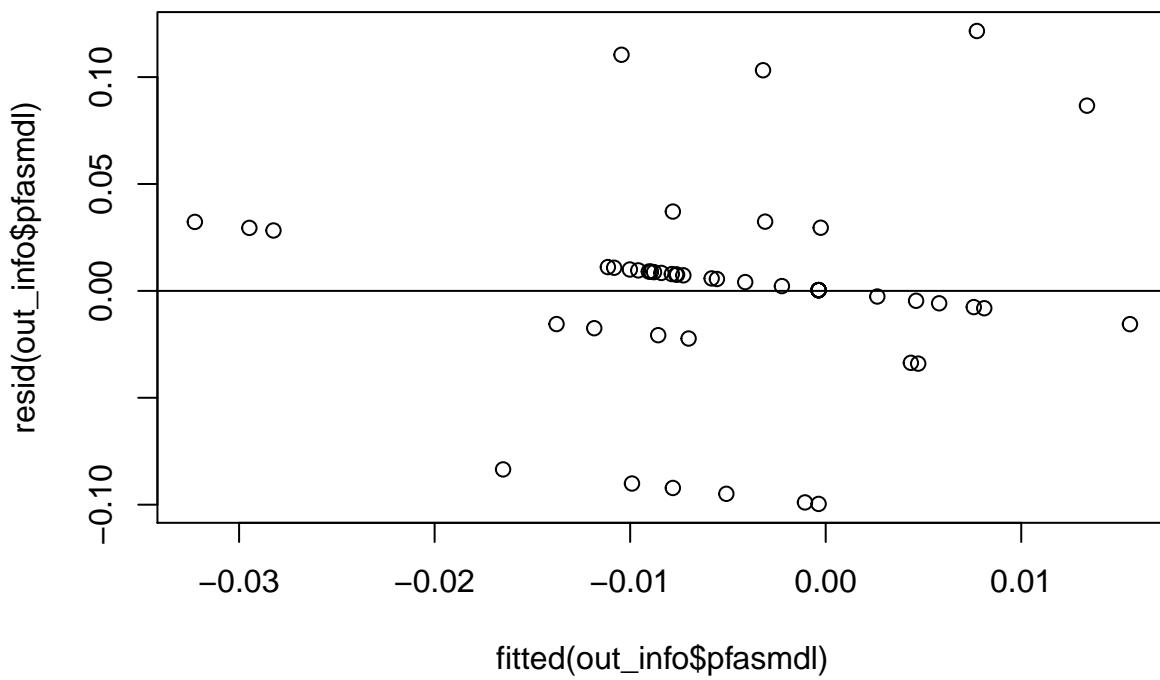
**Normal Q-Q Plot**



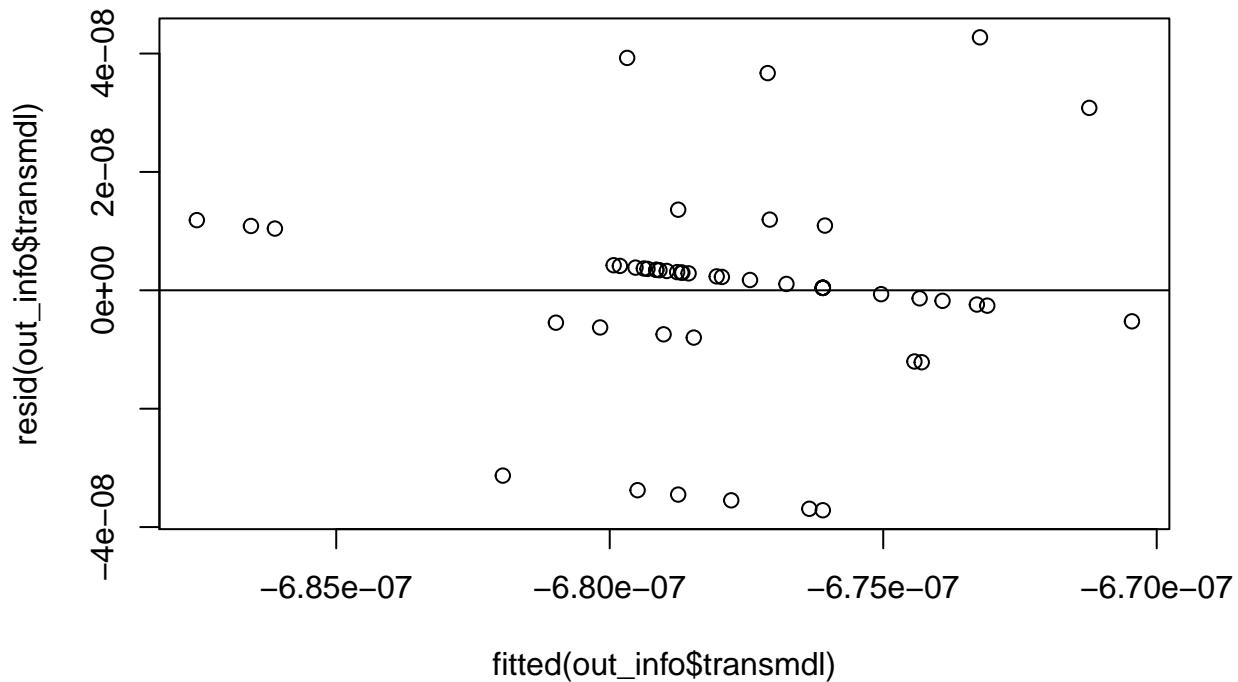
### Normal Q-Q Plot



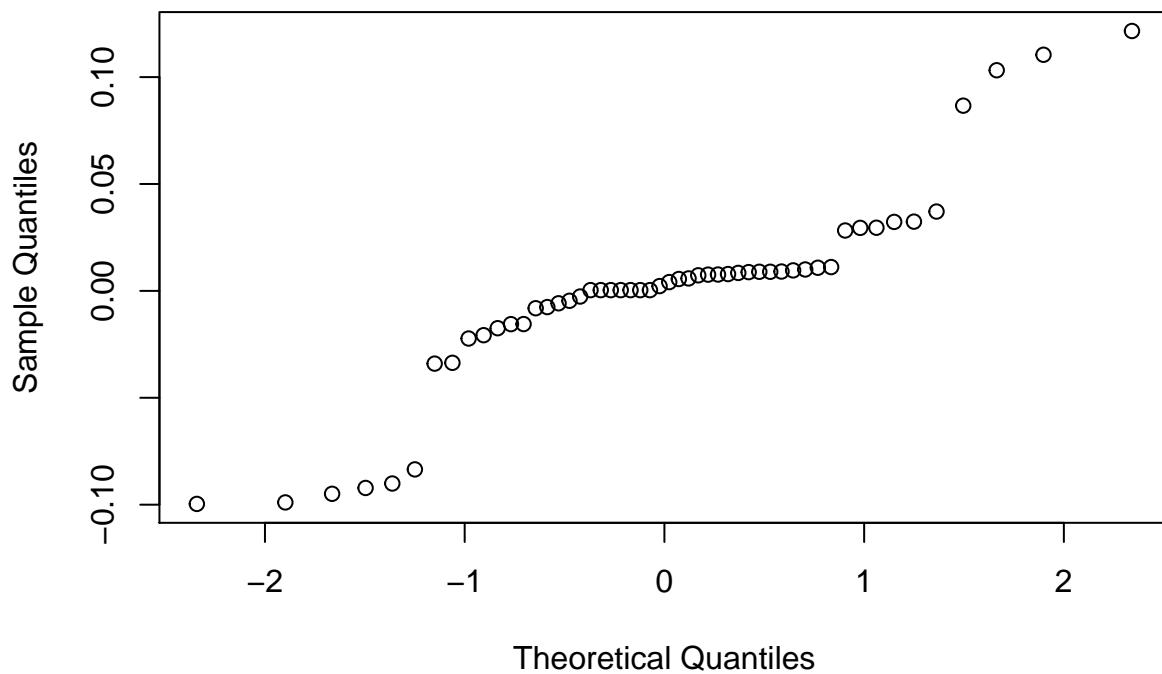
Plot of PFUAorig+  
Plot of PFUAorigtime.since.baseline  
Plot of PFUAorigEthnicity



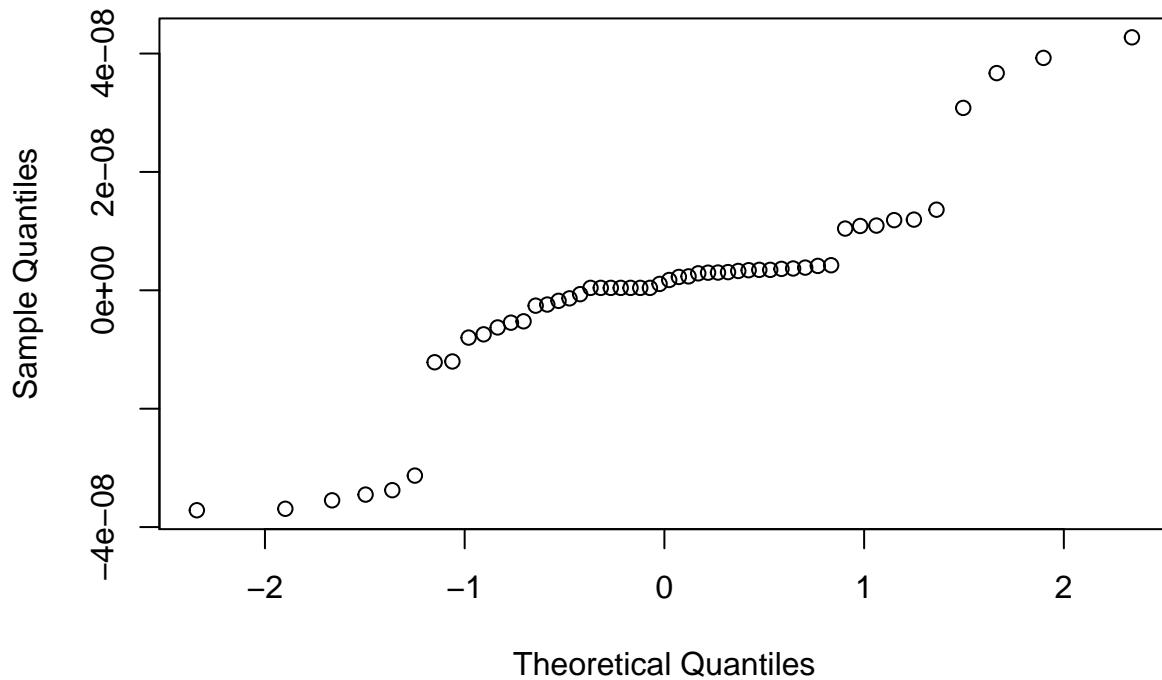
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



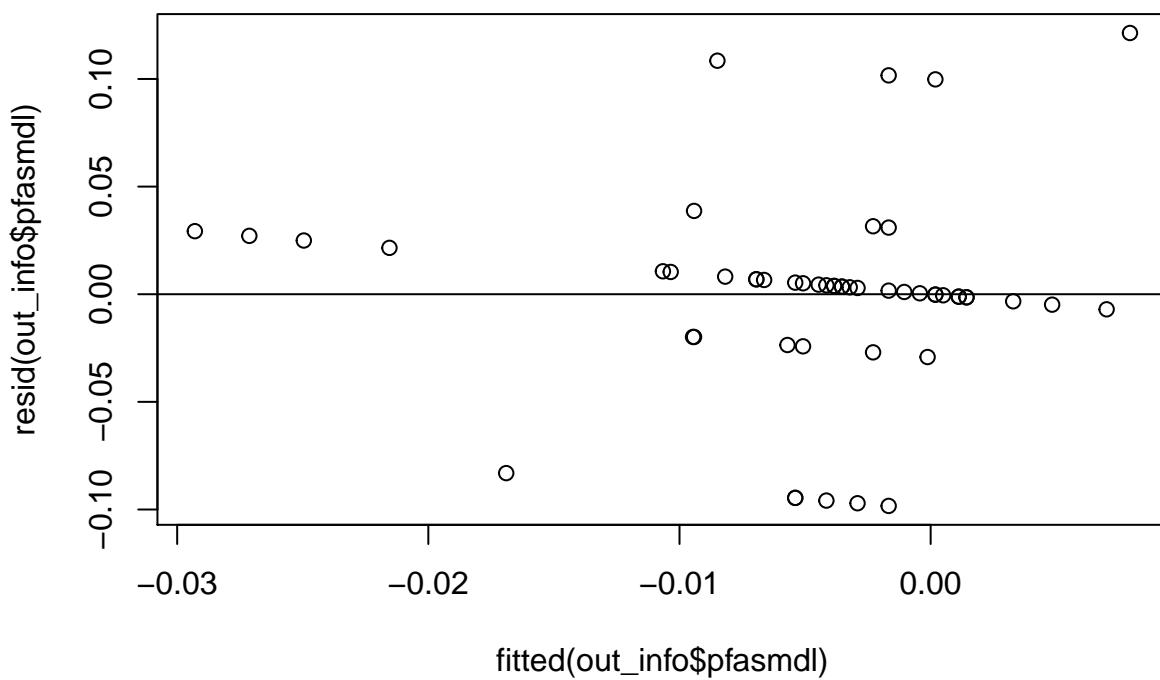
**Normal Q-Q Plot**



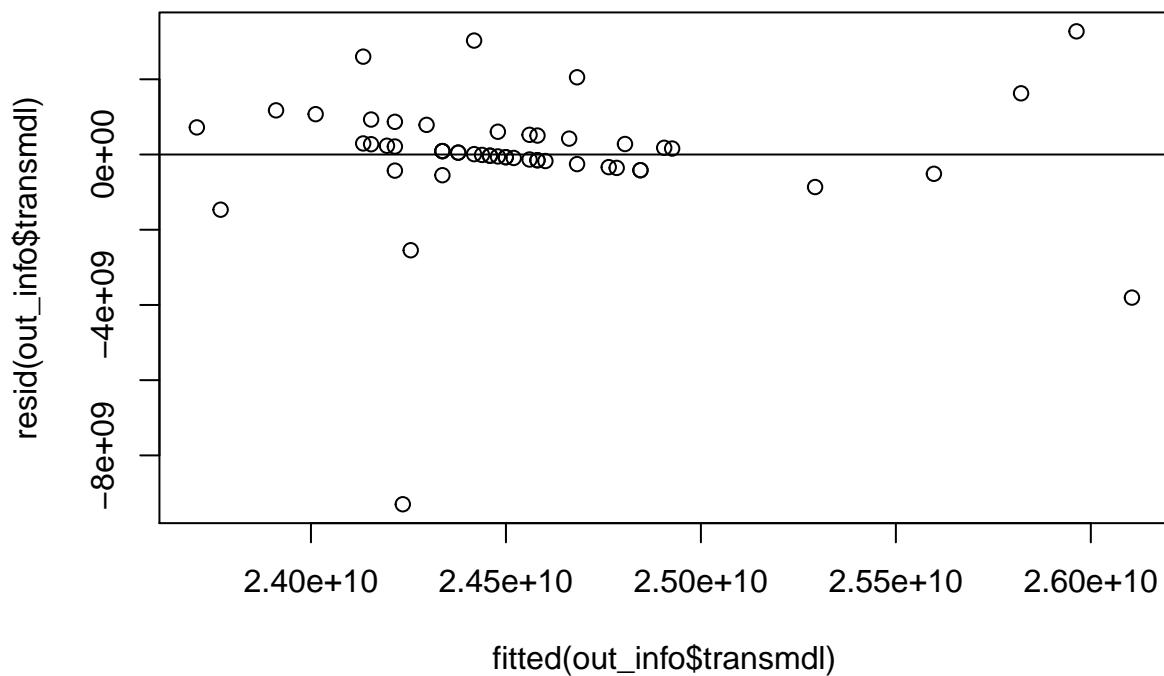
### Normal Q-Q Plot



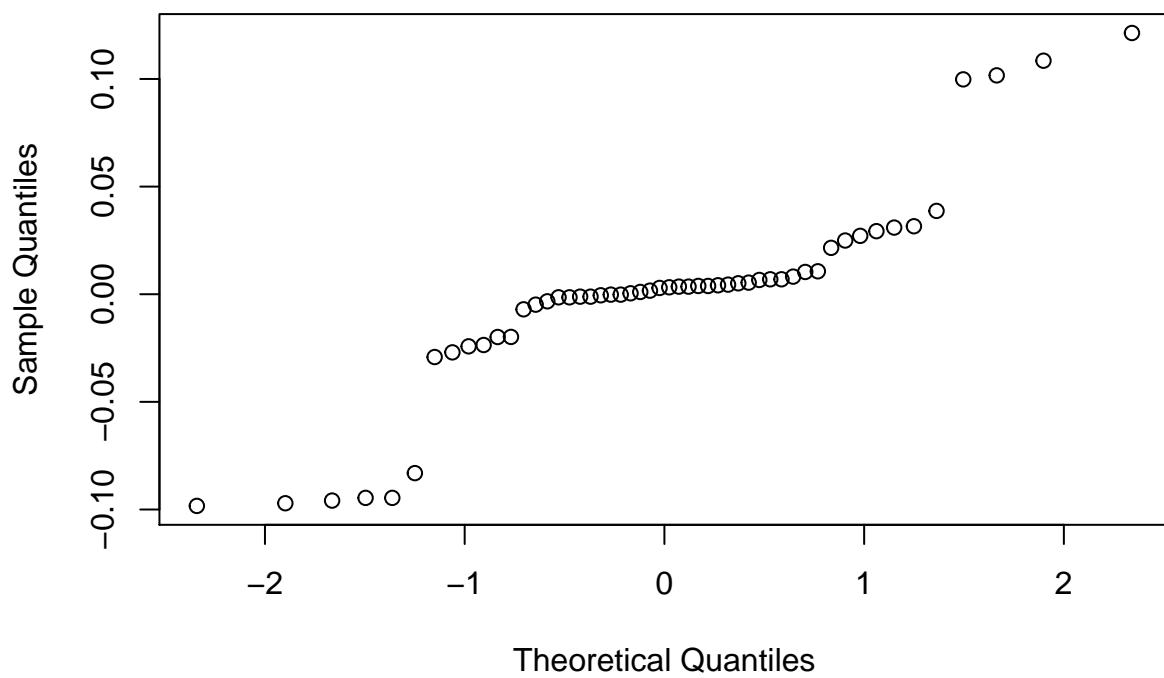
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



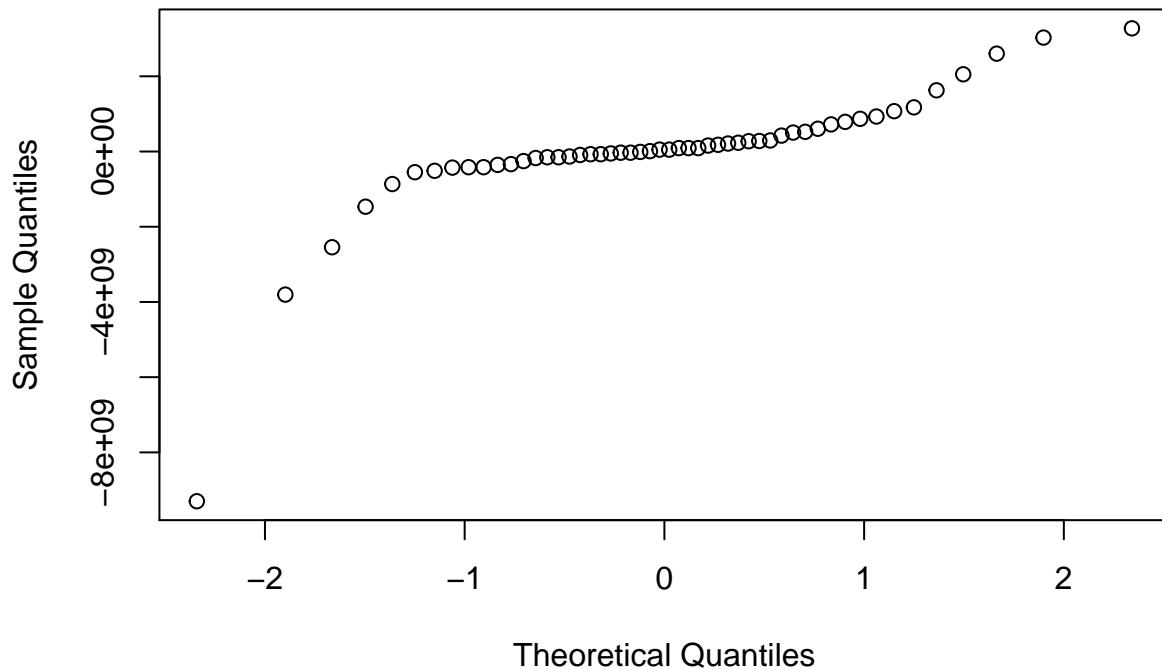
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



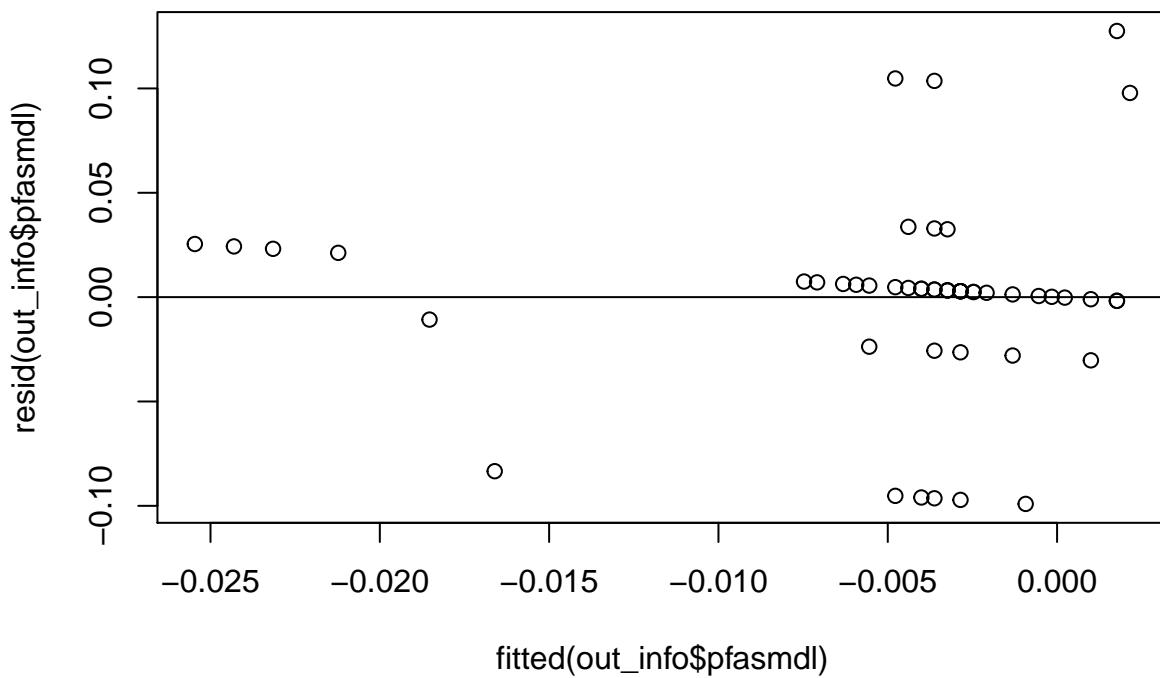
**Normal Q-Q Plot**



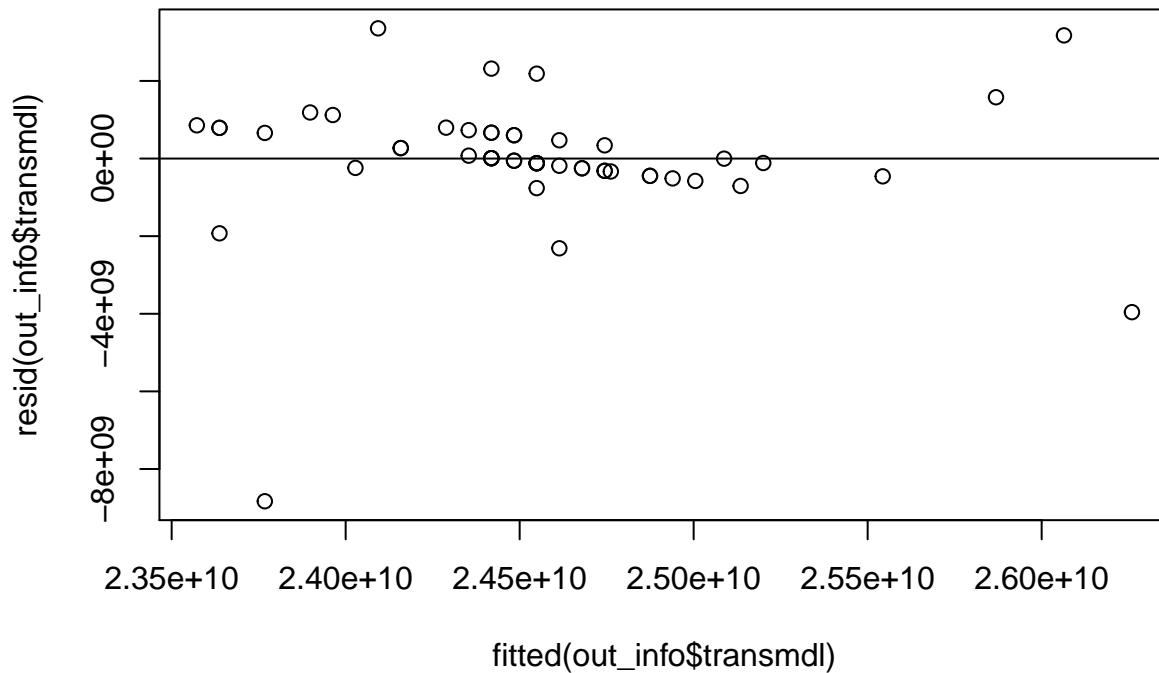
### Normal Q-Q Plot



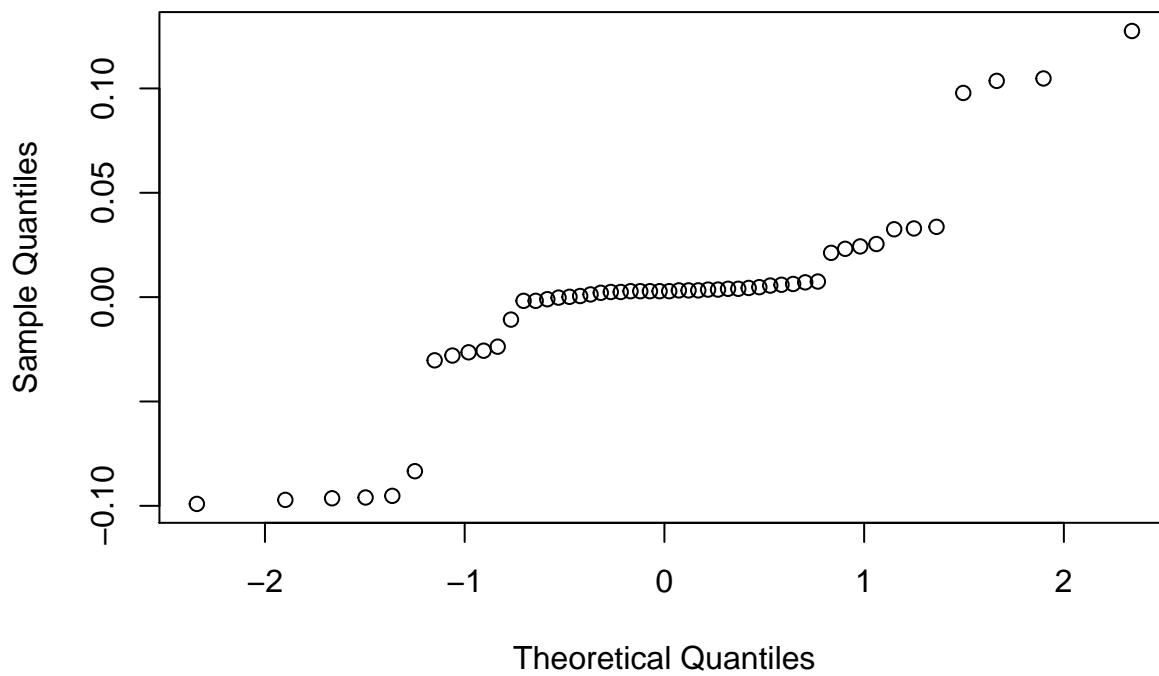
**Plot of PFUAorig+  
Plot of PFUAorigstr.num.fireruns  
Plot of PFUAorigEthnicity**



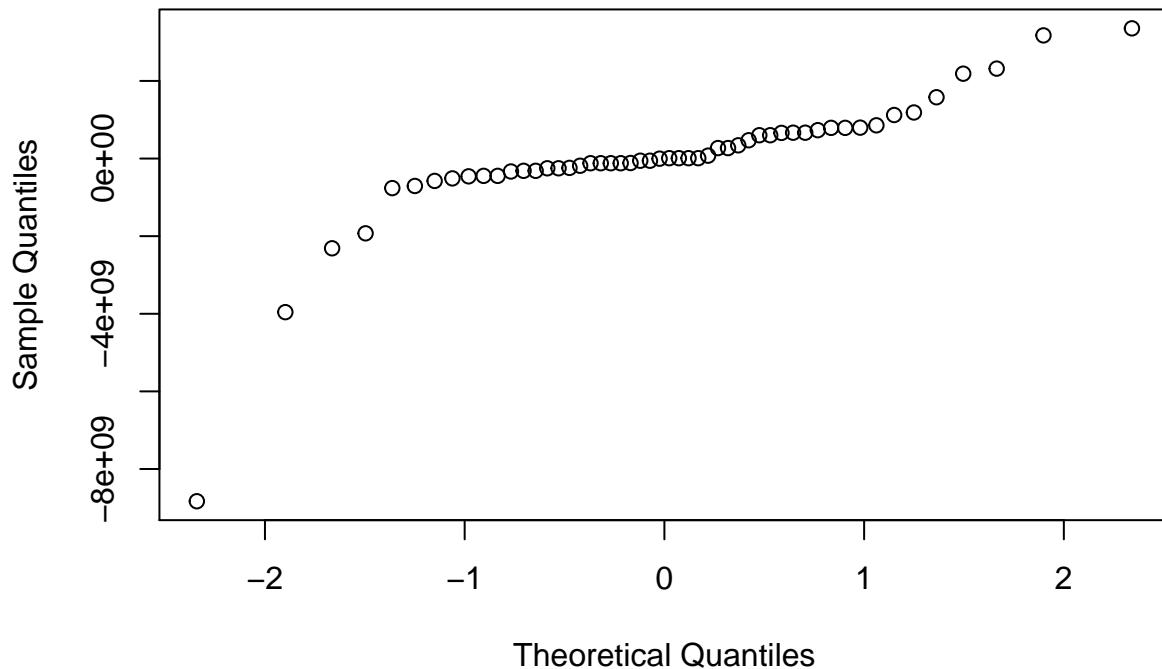
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



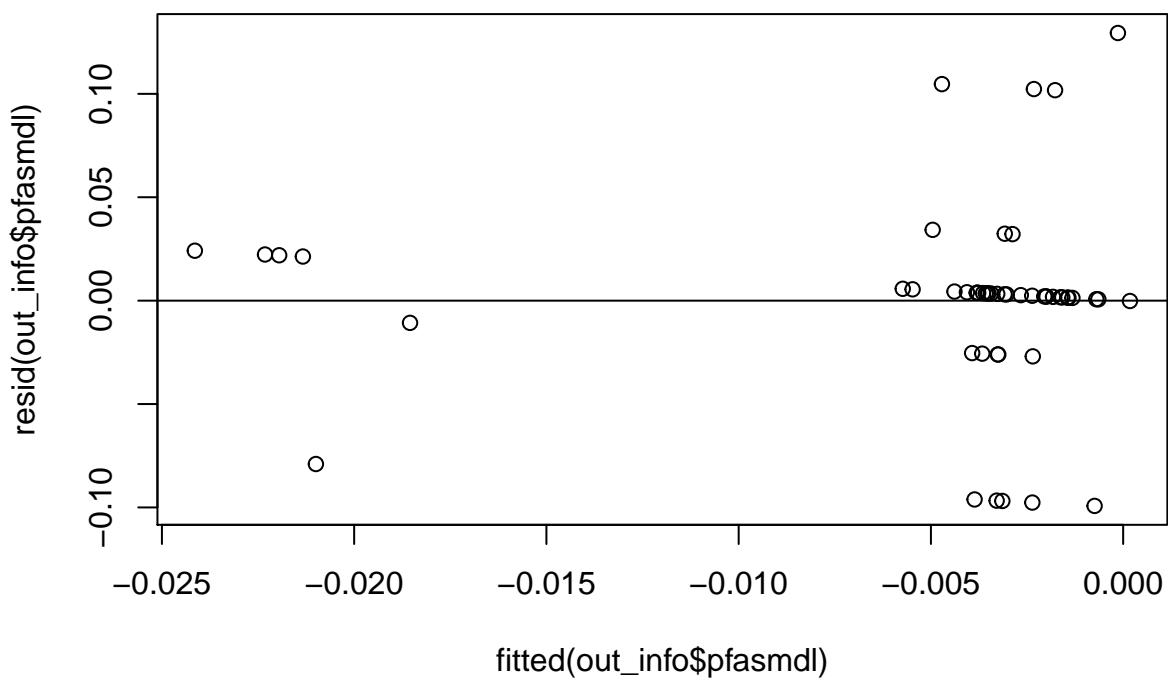
**Normal Q-Q Plot**



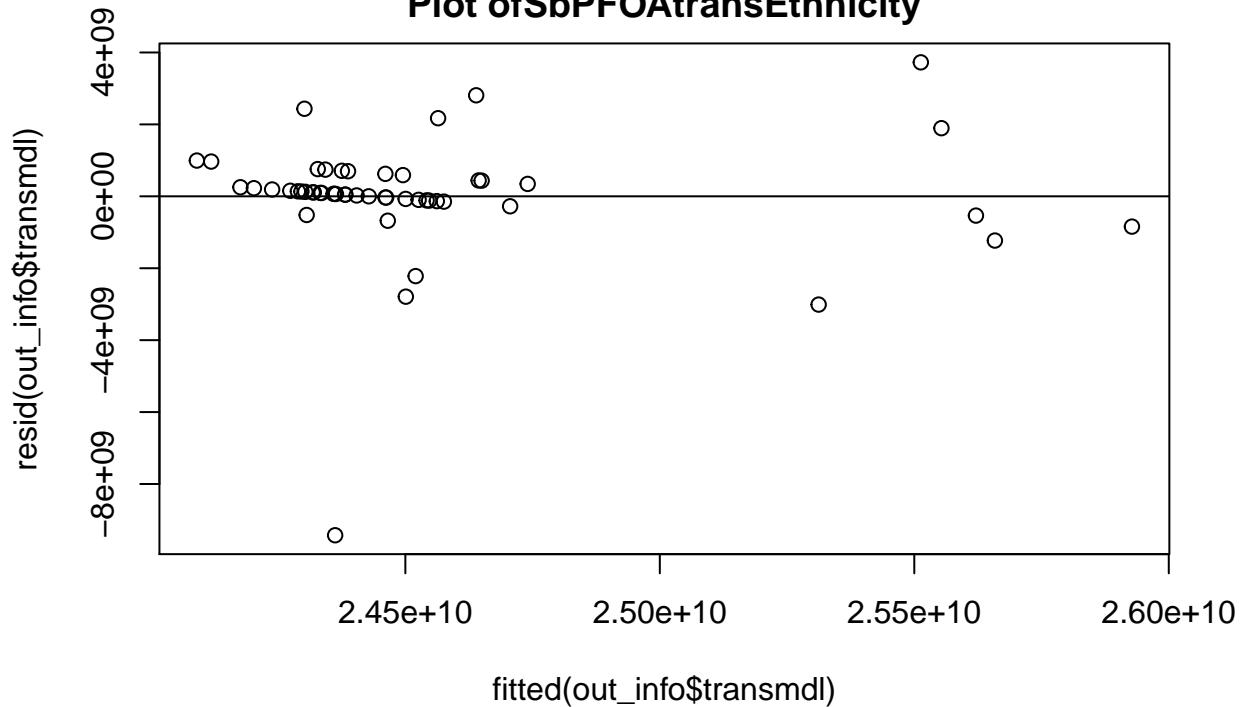
### Normal Q-Q Plot



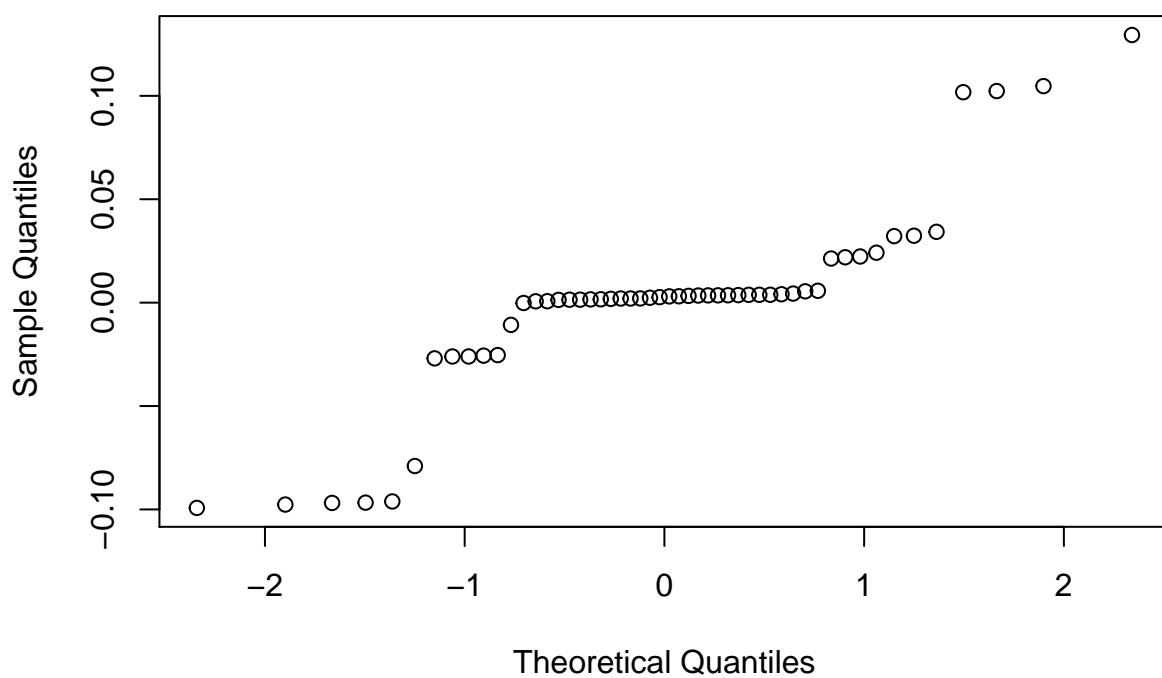
**Plot of PFUAorig+  
Plot of PFUAorigtotal.duration.hrs  
Plot of PFUAorigEthnicity**

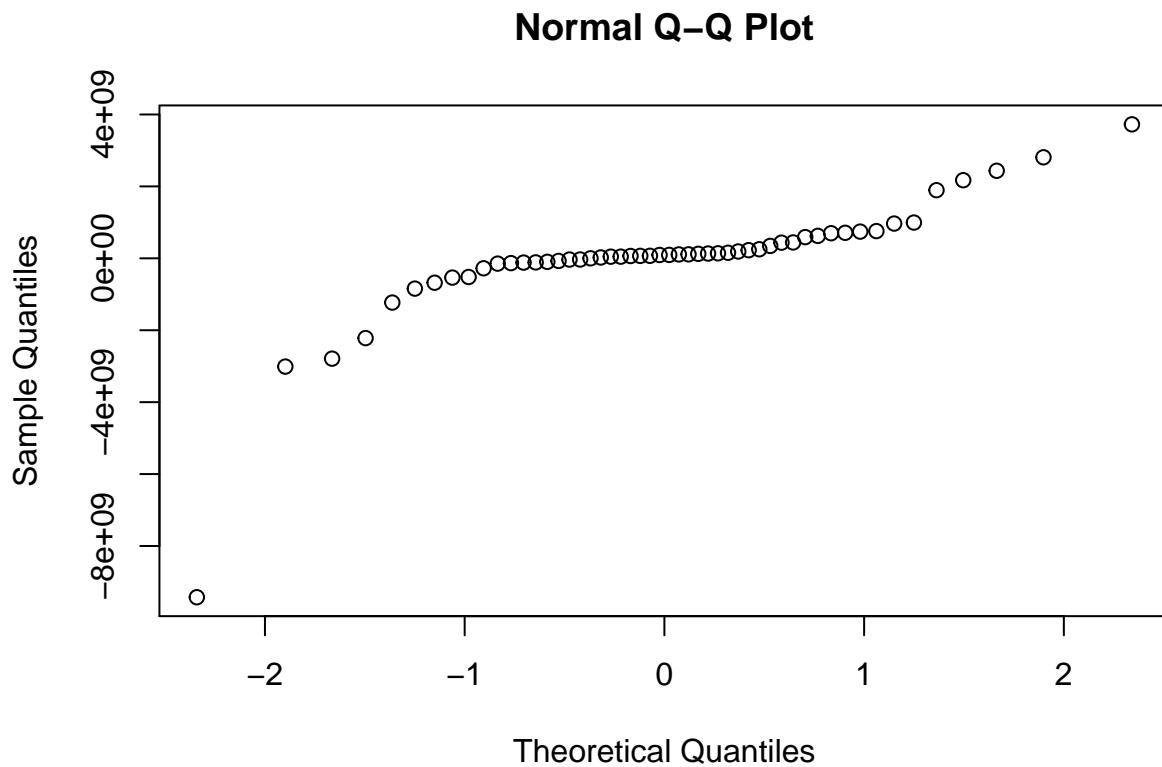


**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**

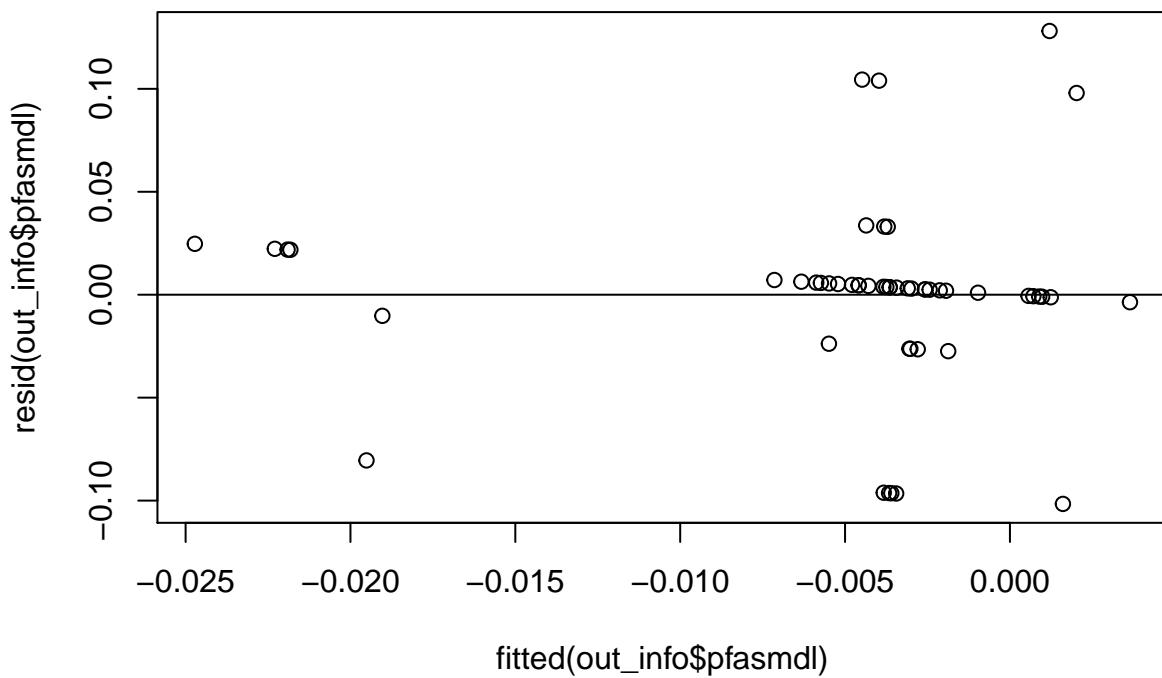


**Normal Q-Q Plot**

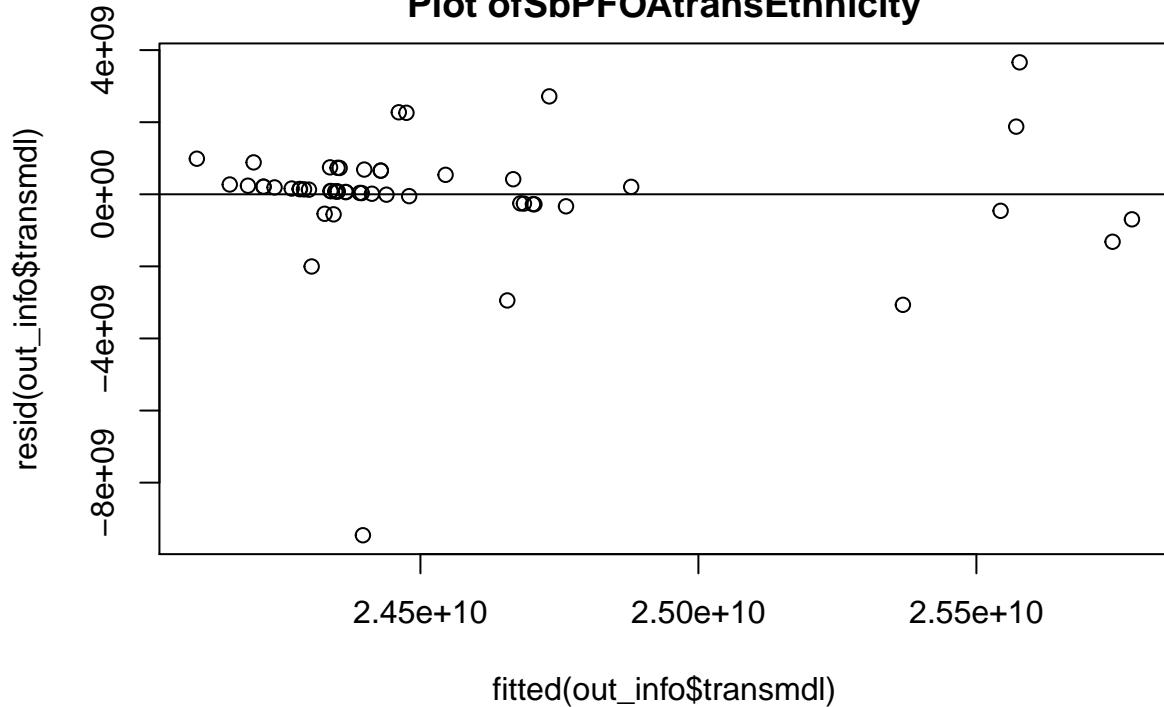




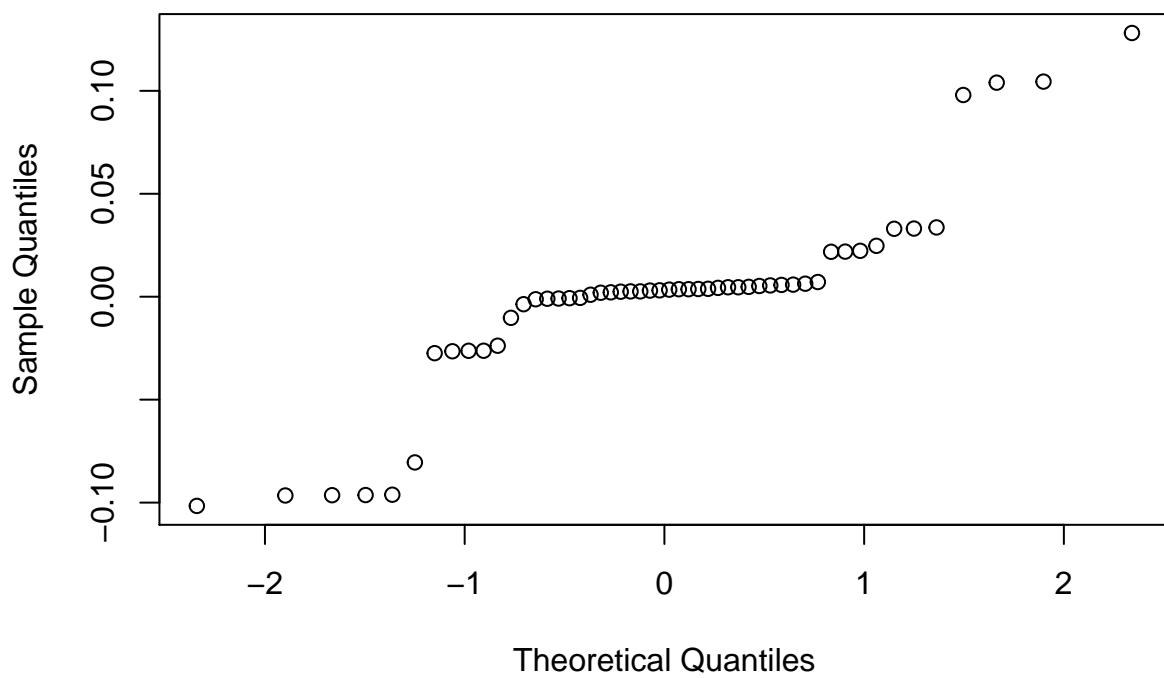
**Plot of PFUAorig+  
Plot of PFUAorigstr.duration.hrs  
Plot of PFUAorigEthnicity**

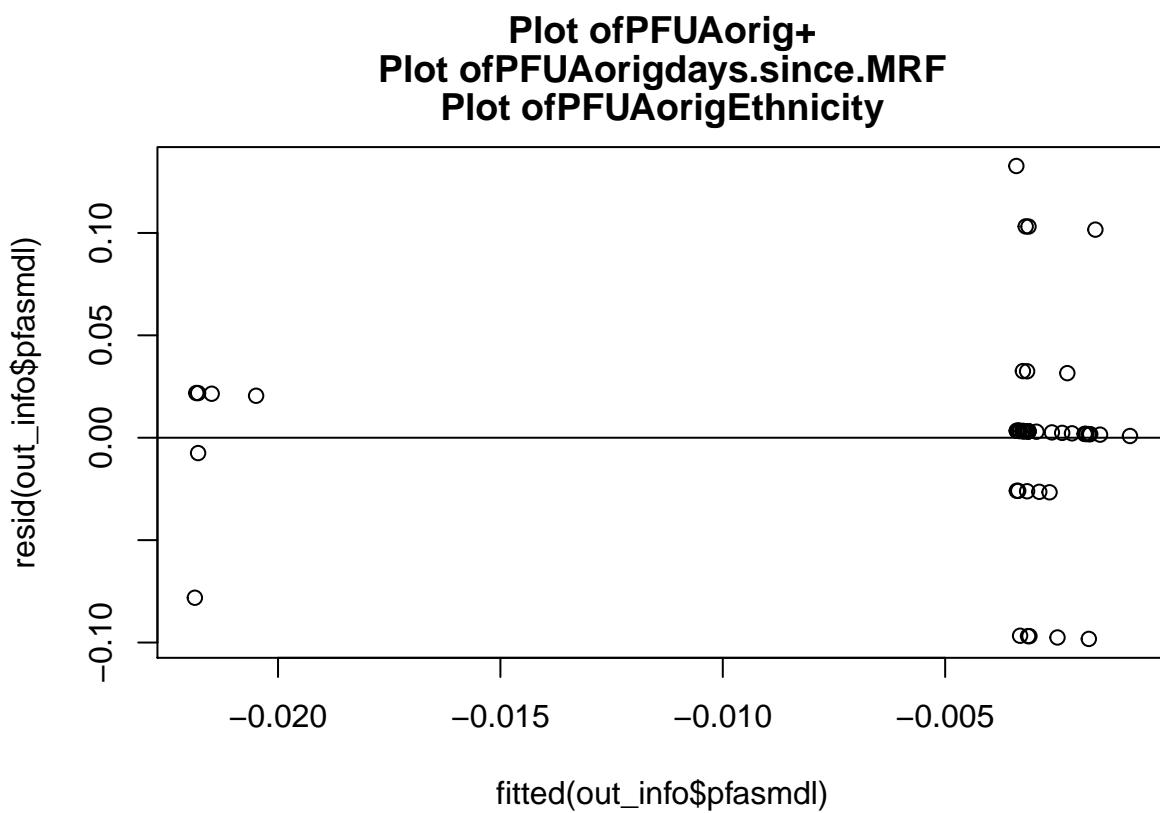
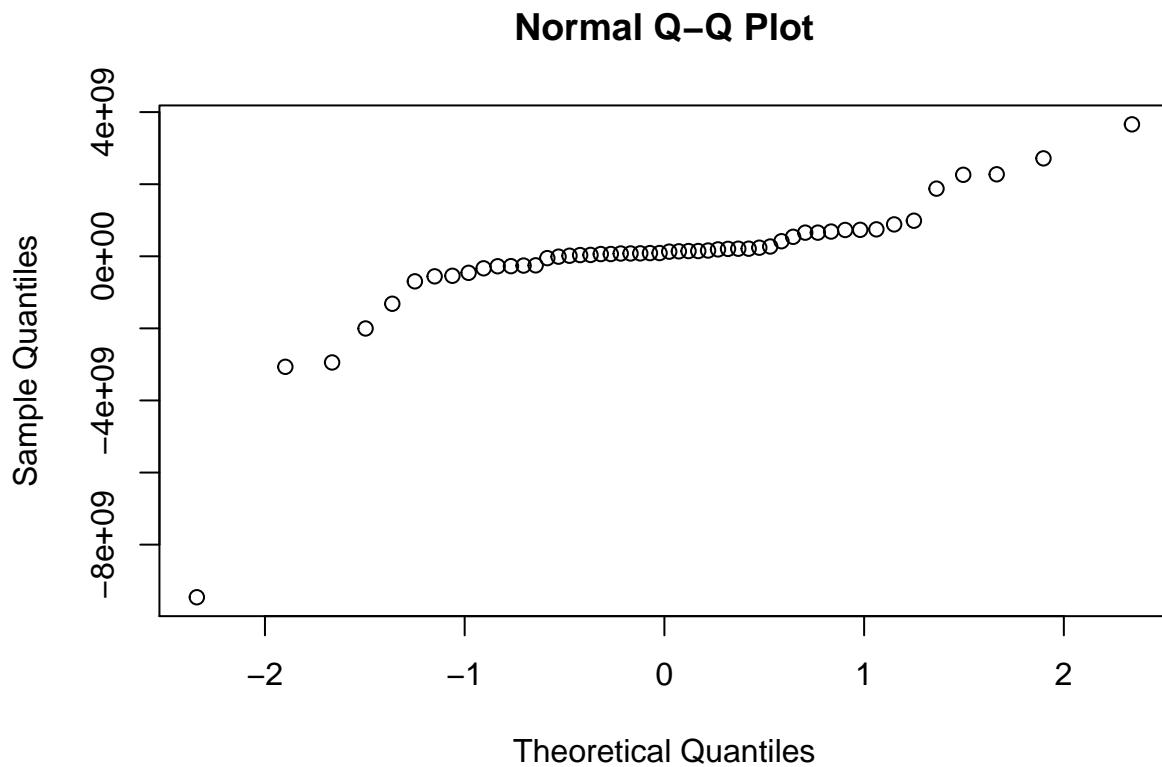


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

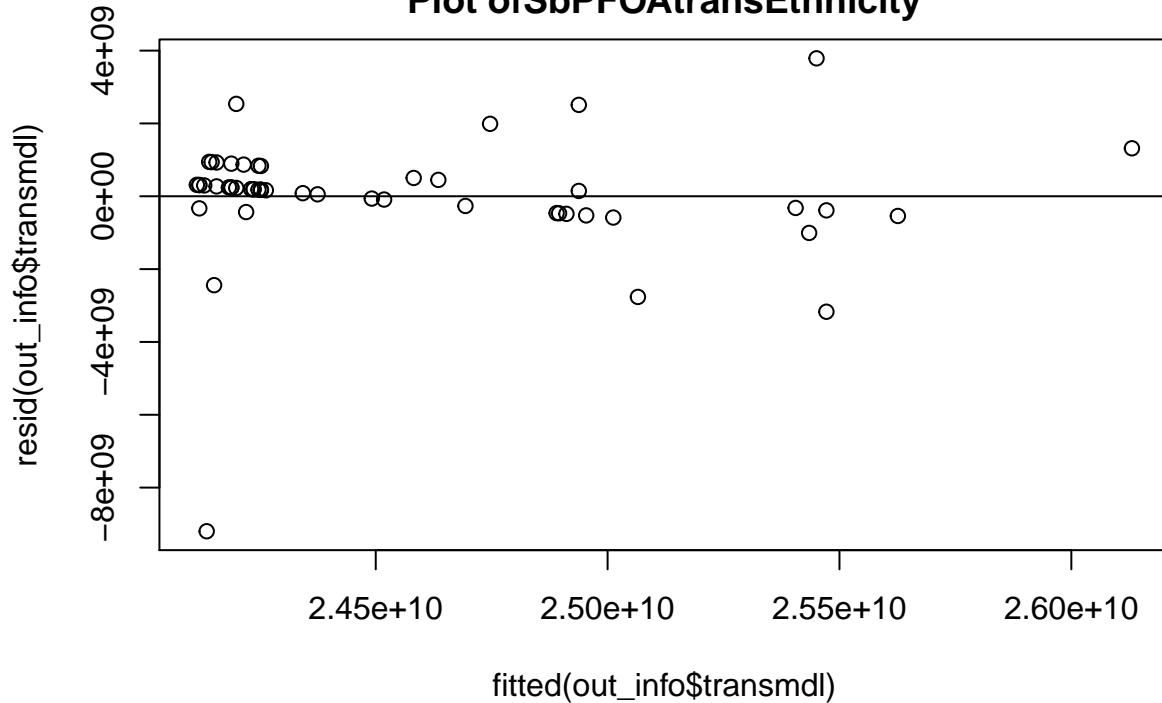


**Normal Q-Q Plot**

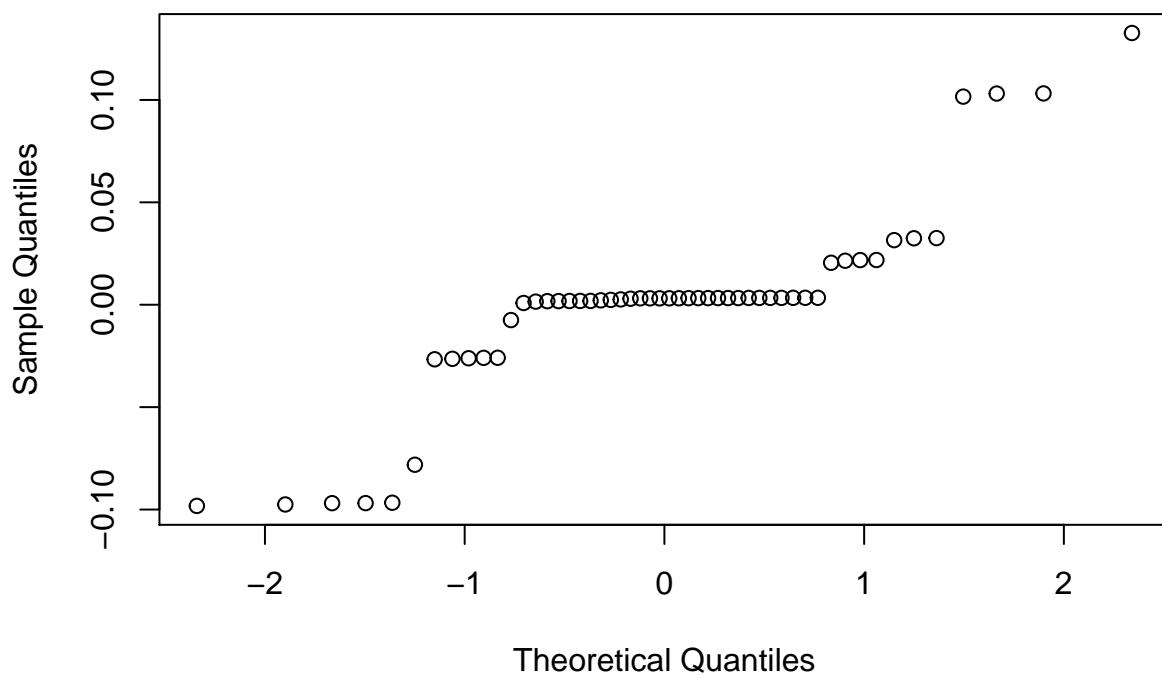


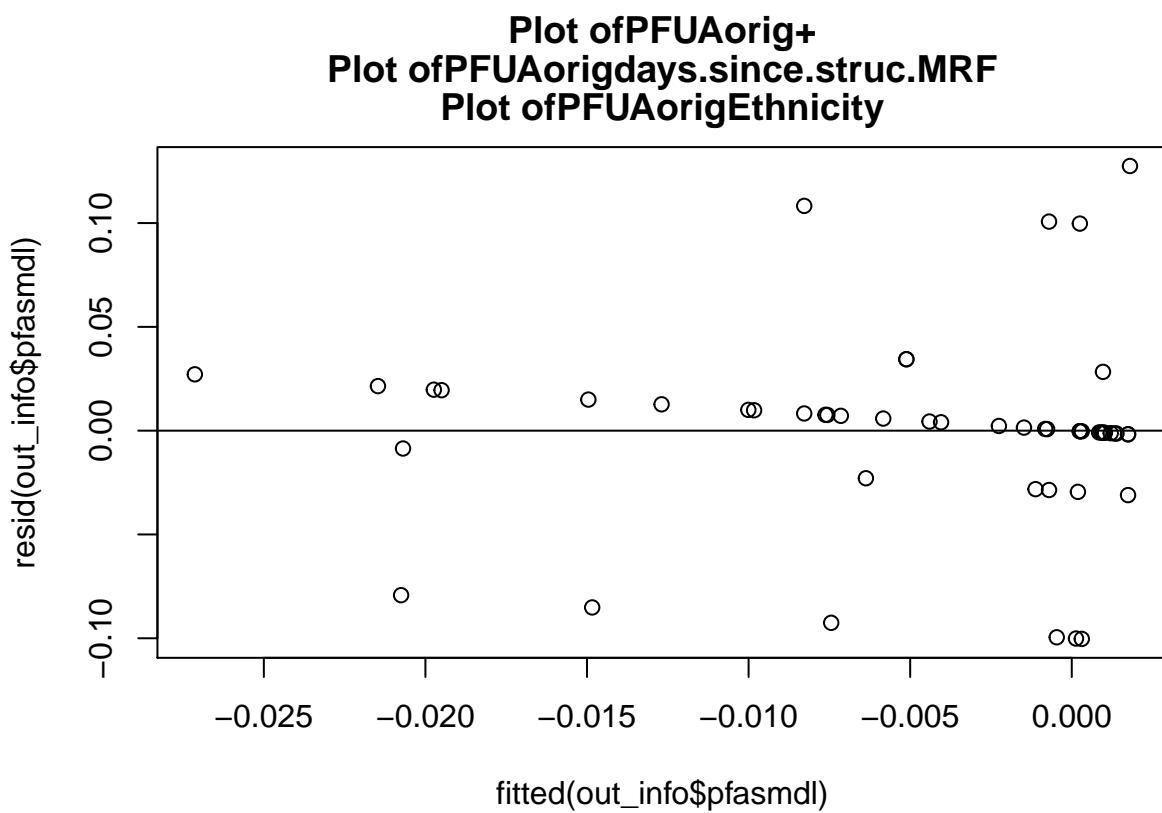
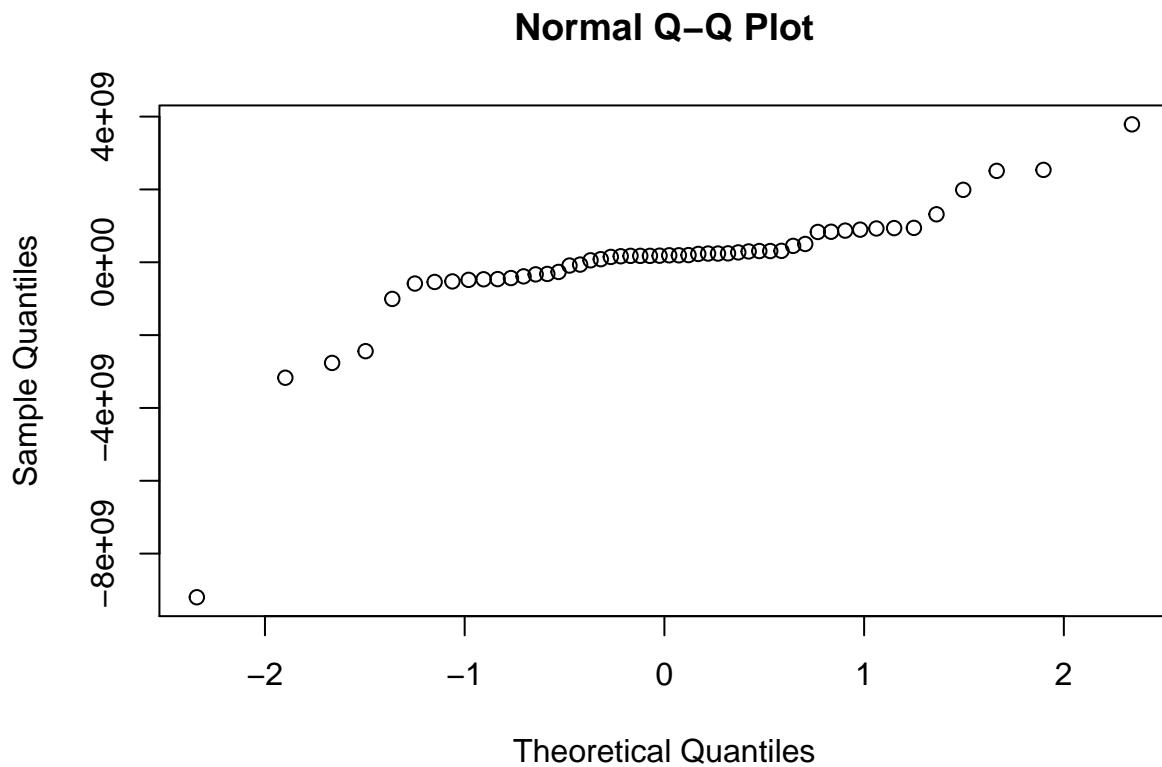


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

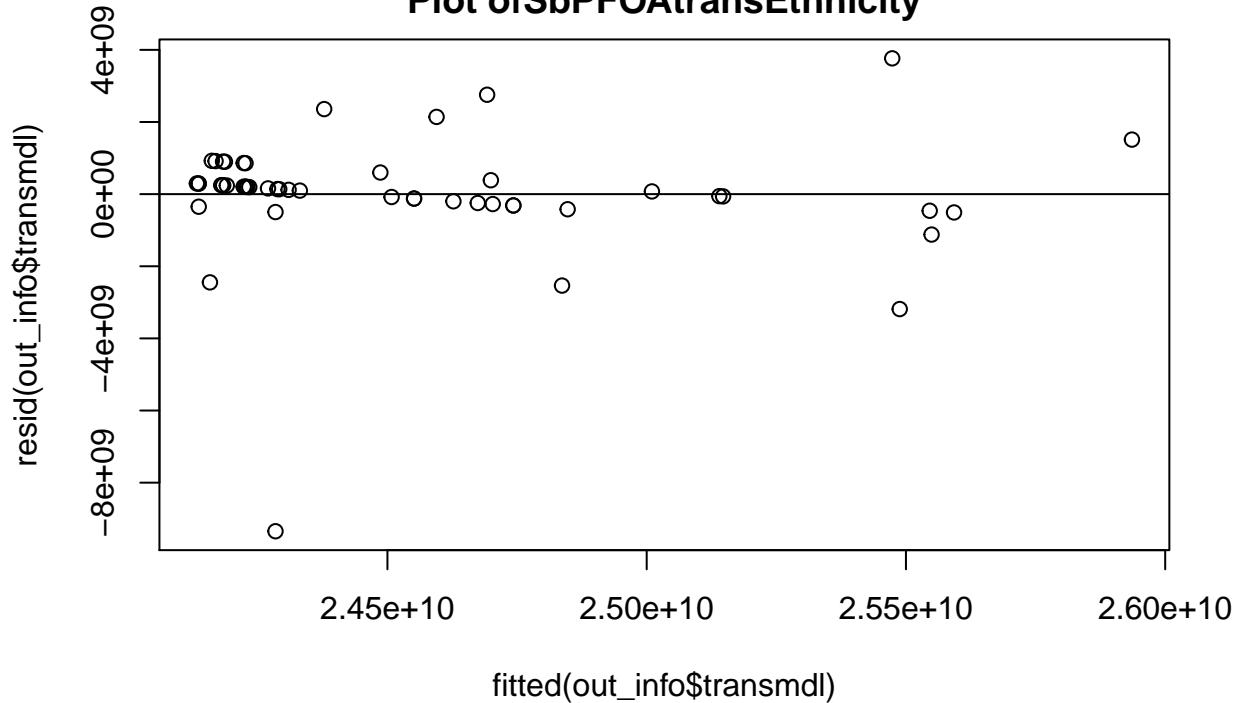


**Normal Q-Q Plot**

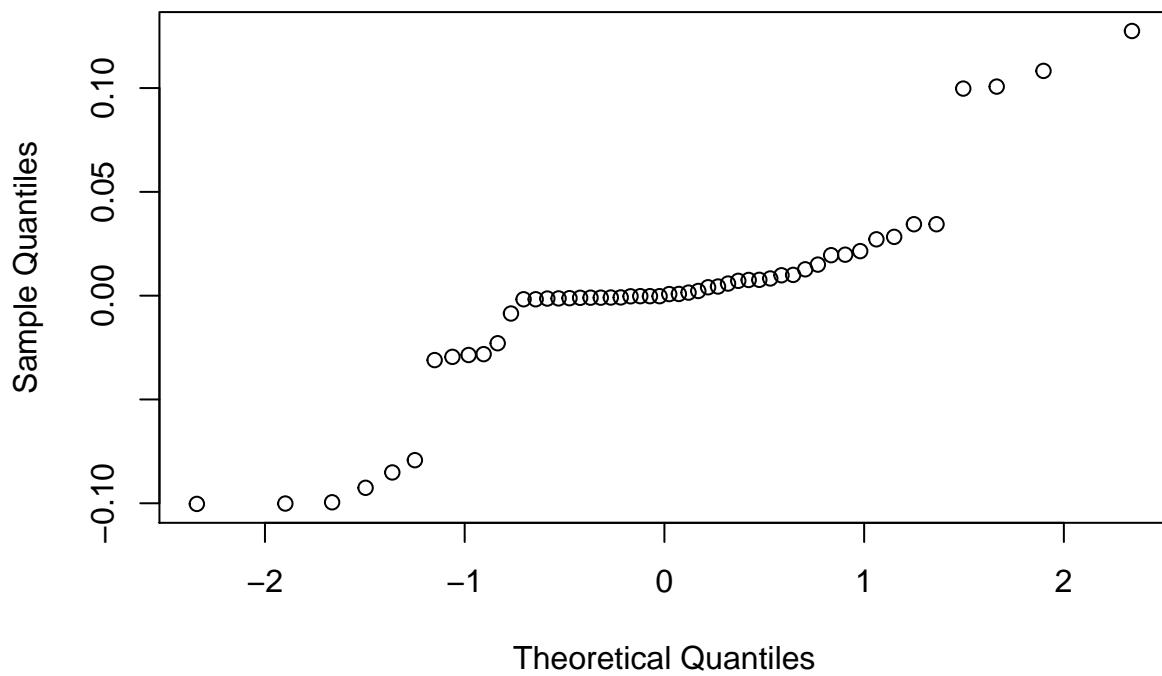


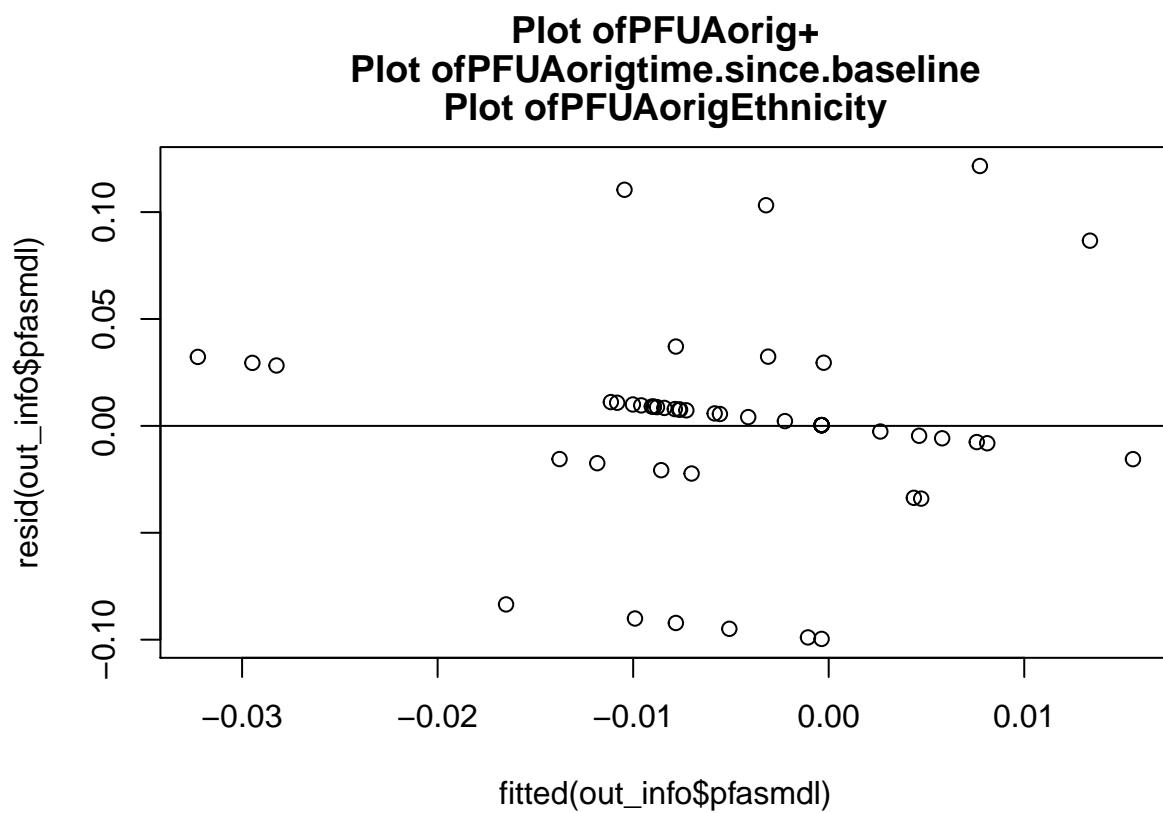
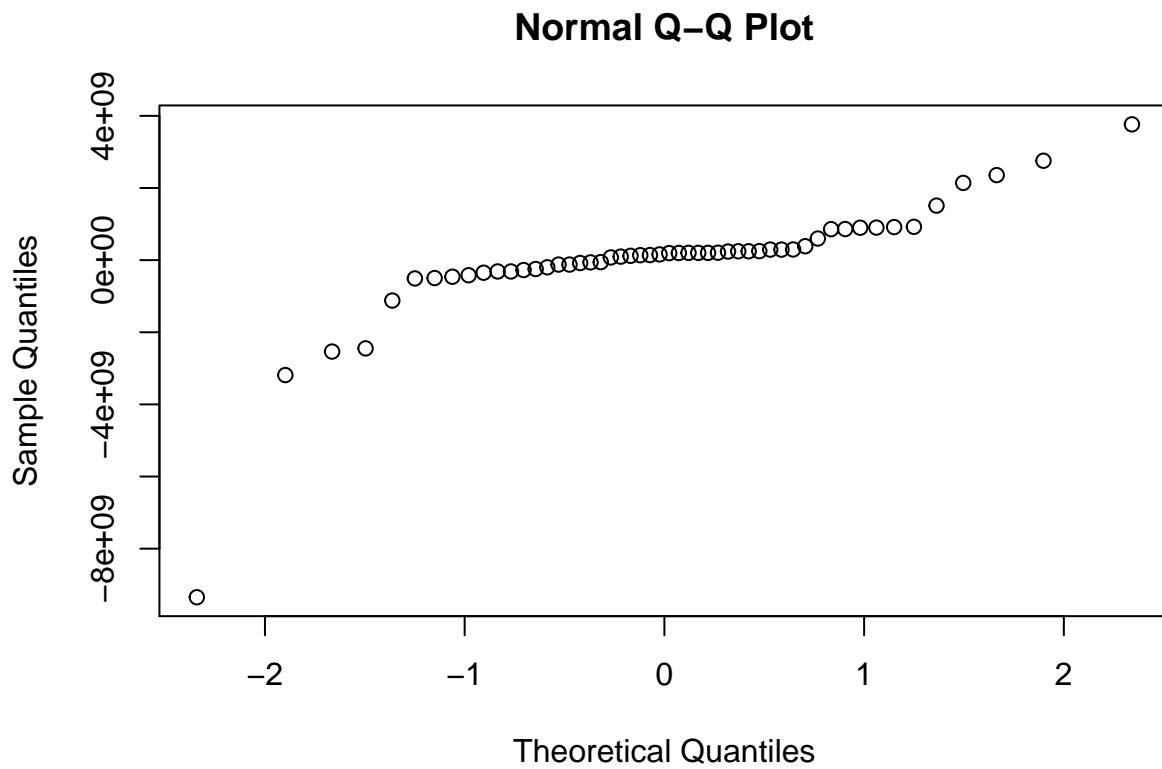


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**

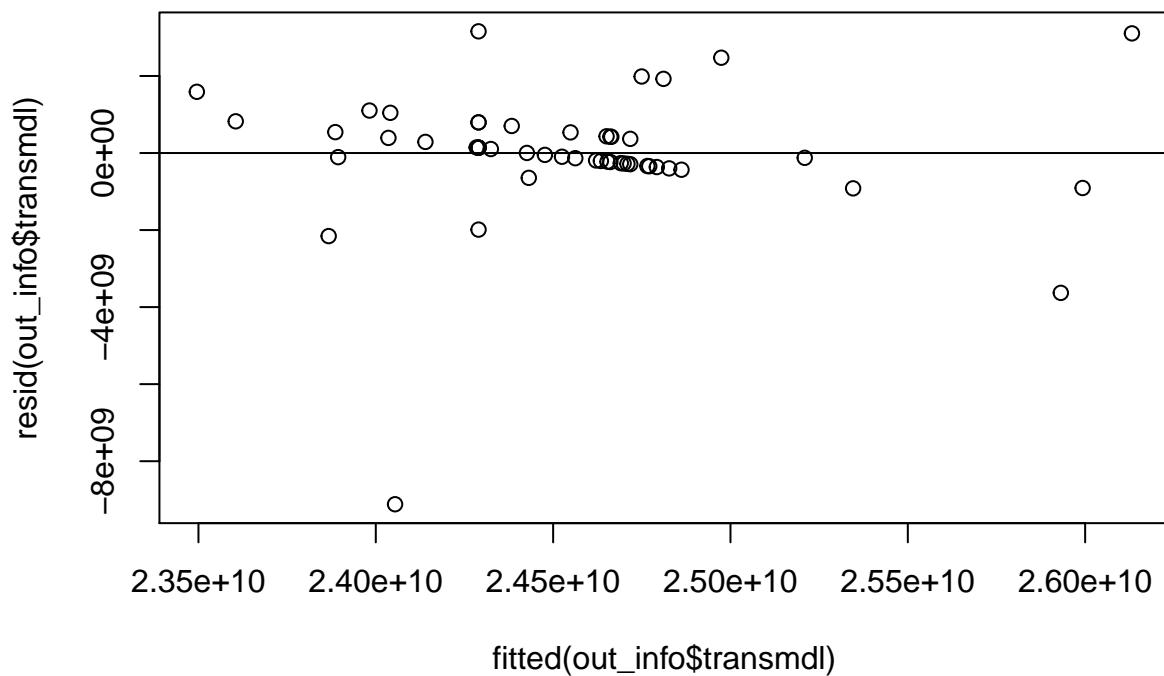


**Normal Q-Q Plot**

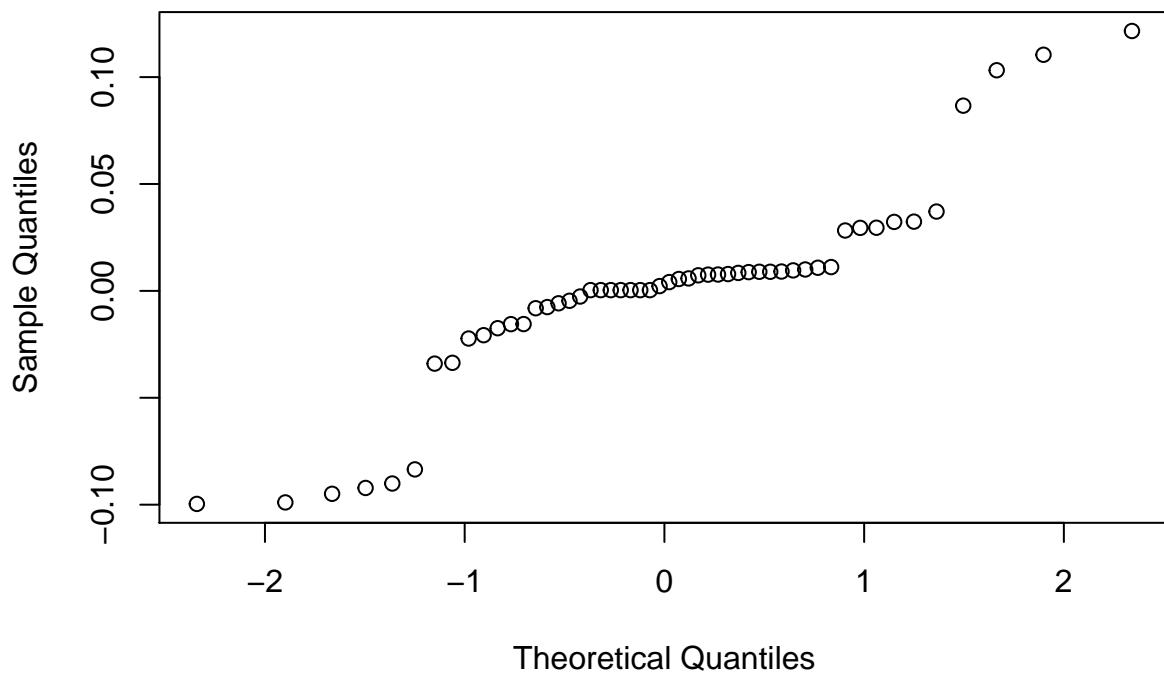




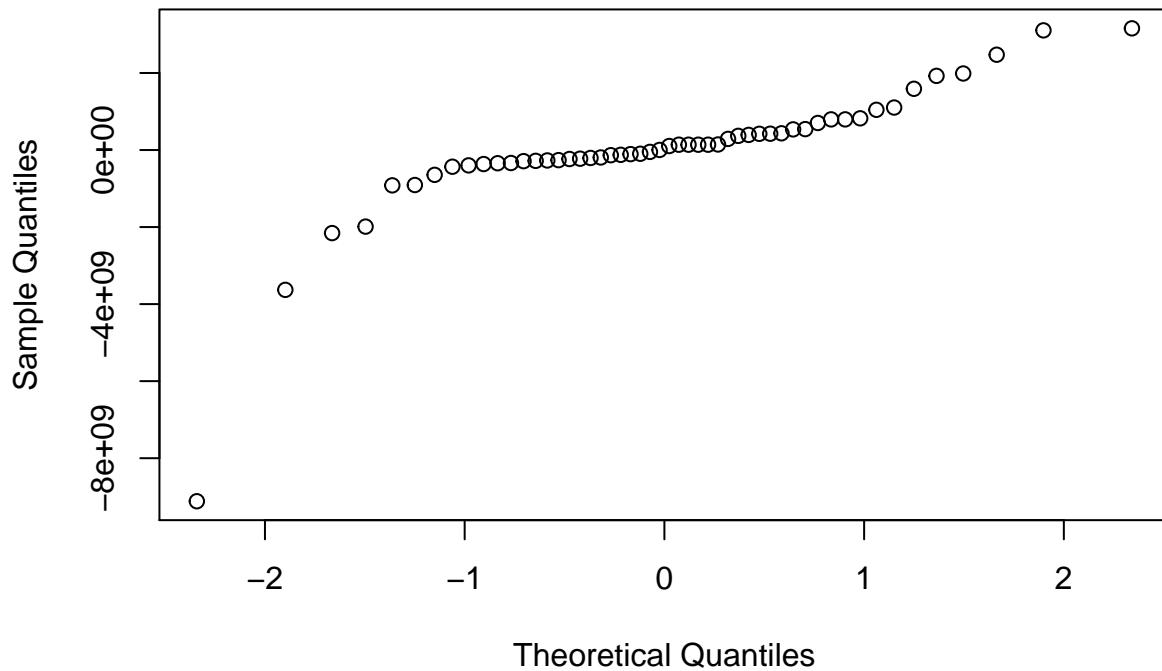
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



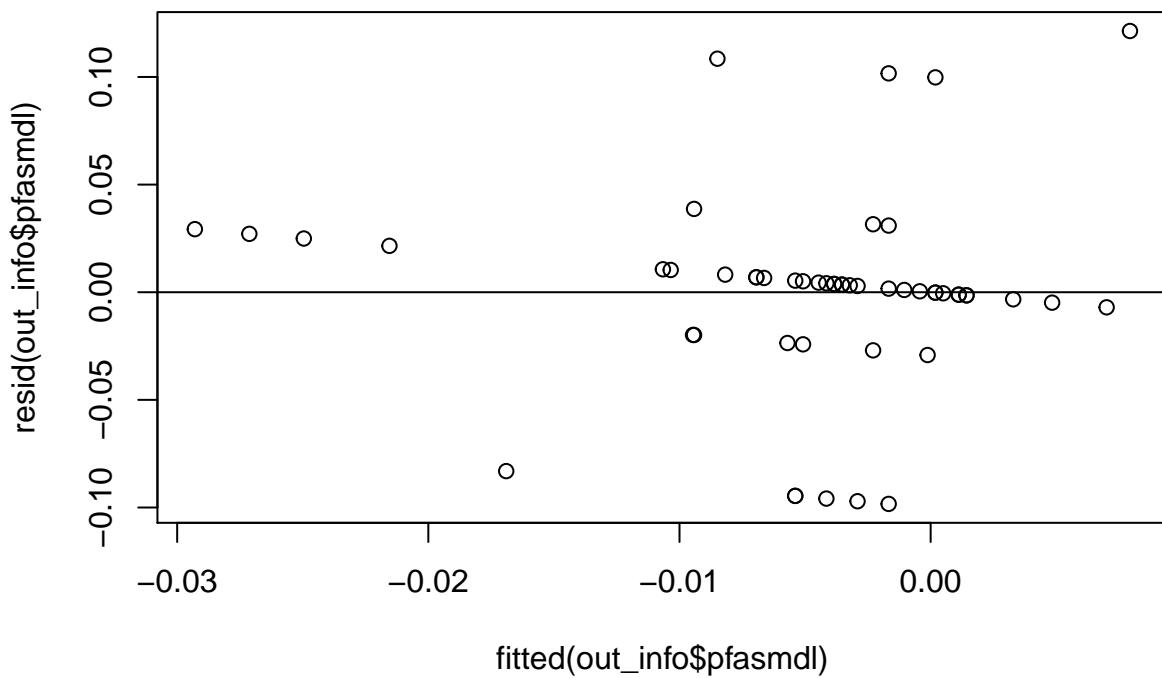
**Normal Q-Q Plot**



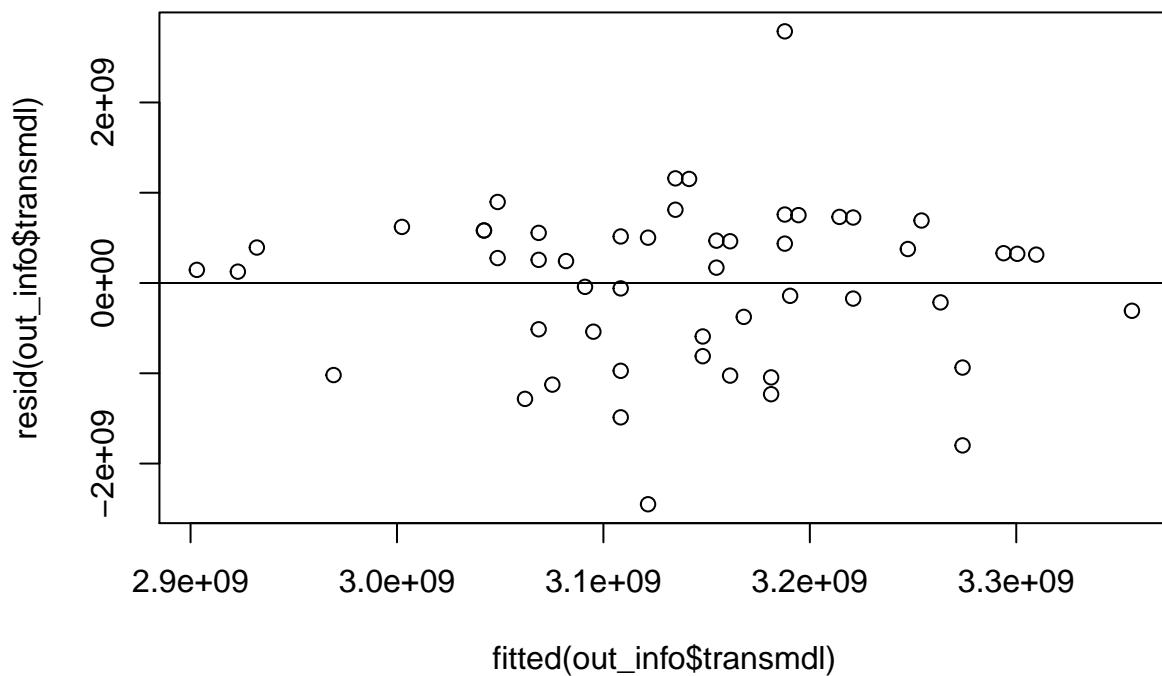
### Normal Q-Q Plot



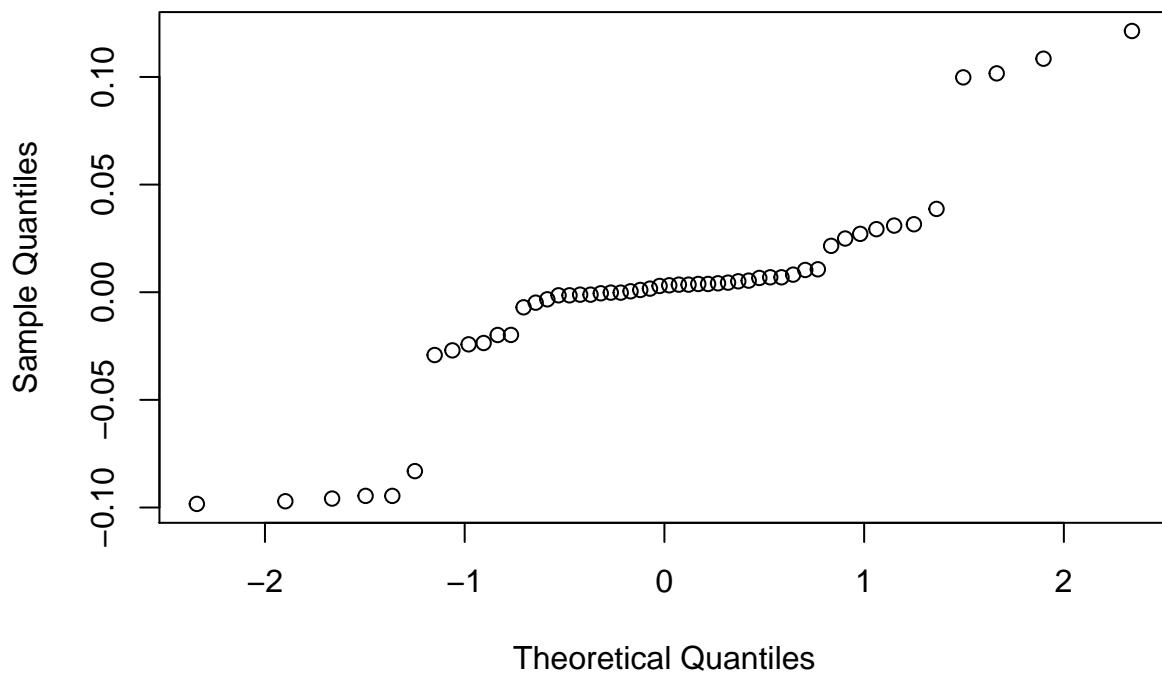
Plot of PFUAorig+  
Plot of PFUAorigtotal.num.fireruns  
Plot of PFUAorigEthnicity



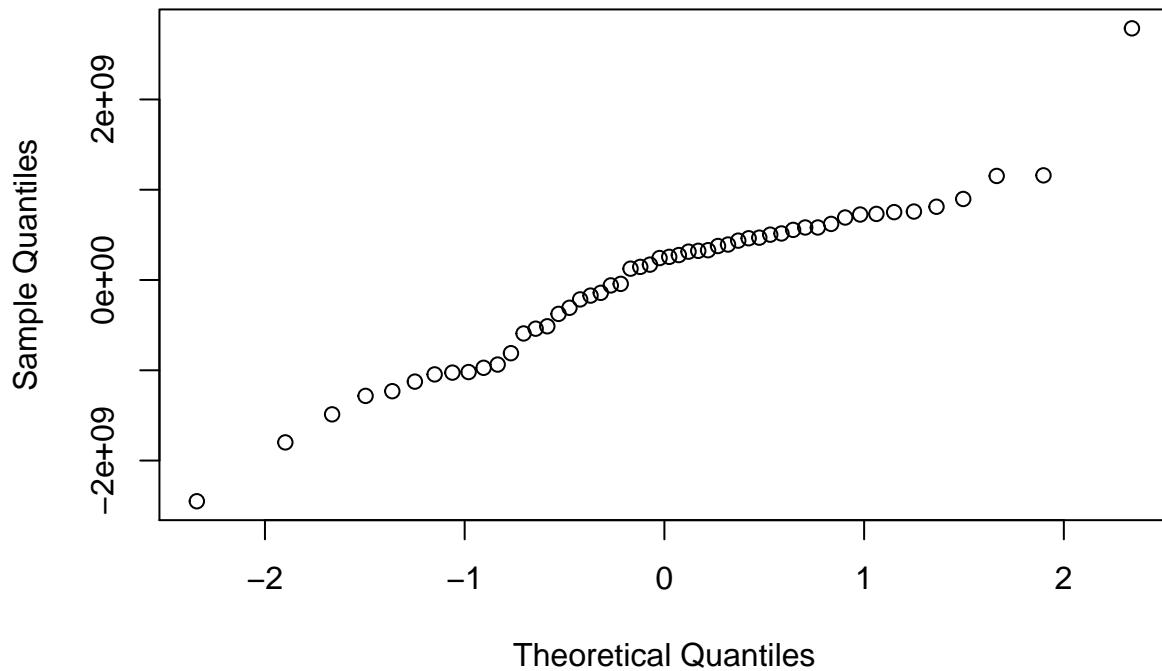
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.num.fireruns  
Plot of SmPFOStransEthnicity**



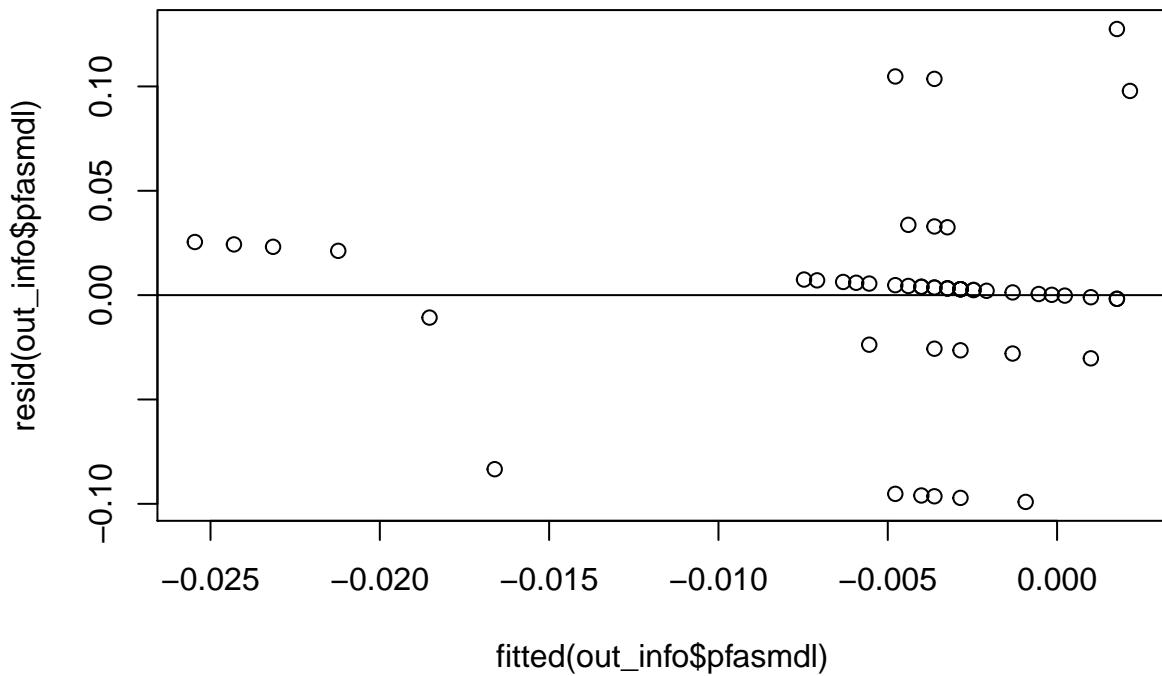
**Normal Q-Q Plot**



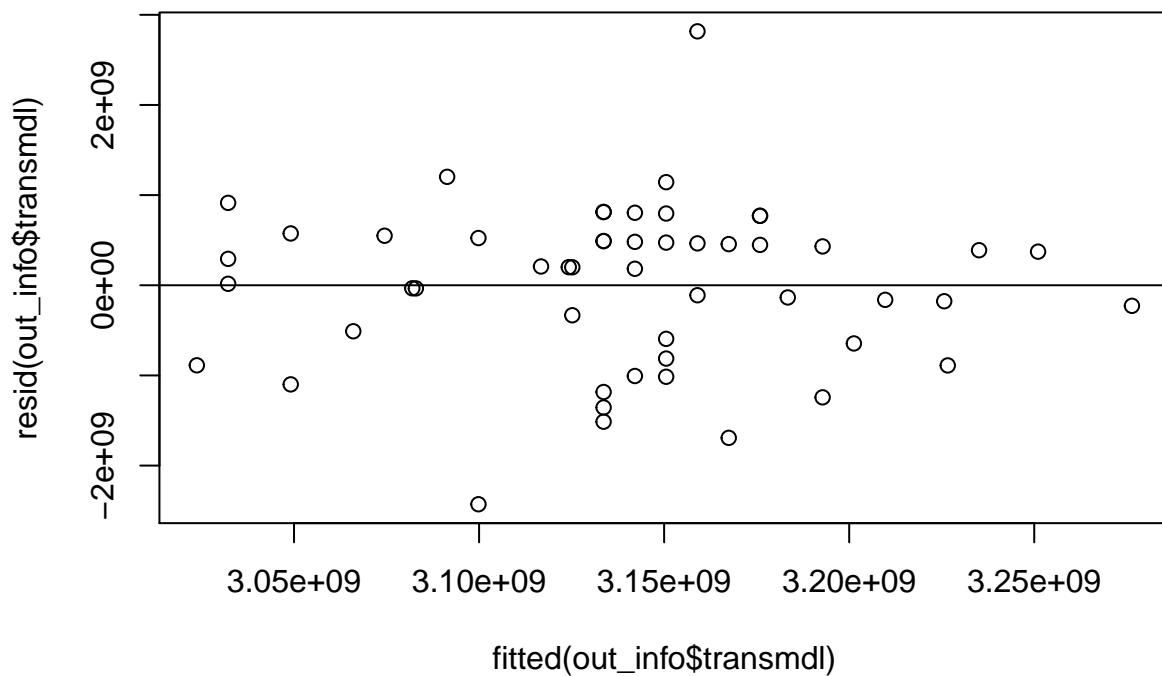
### Normal Q-Q Plot



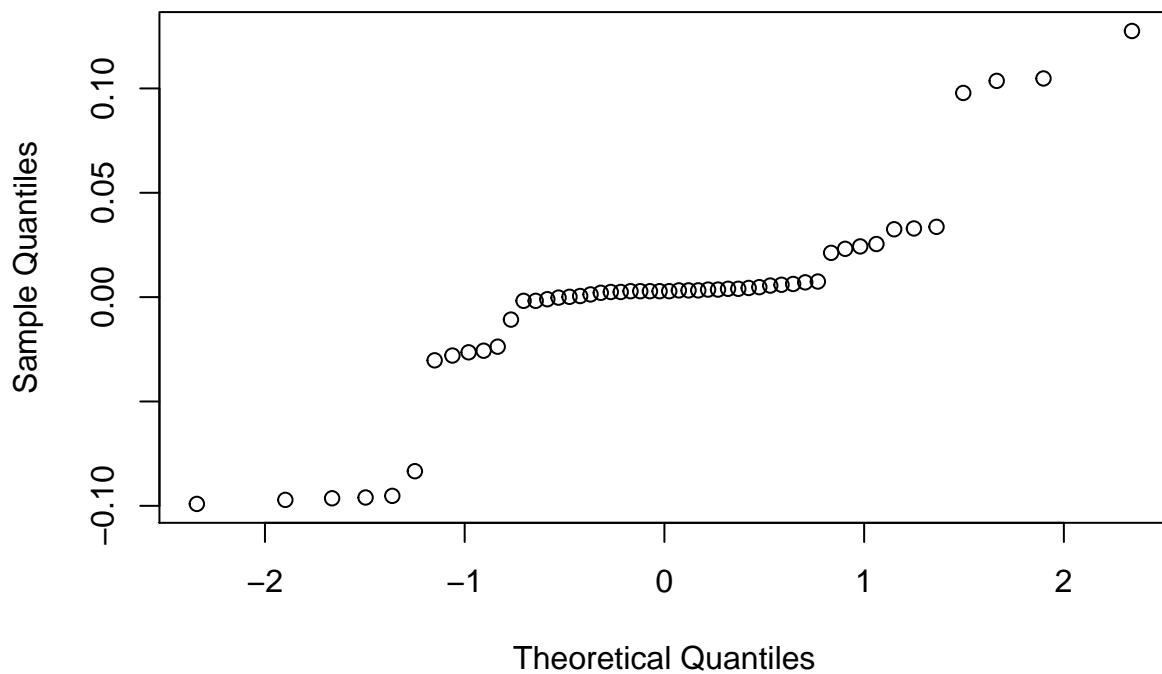
**Plot of PFUAorig+  
Plot of PFUAorigstr.num.fireruns  
Plot of PFUAorigEthnicity**



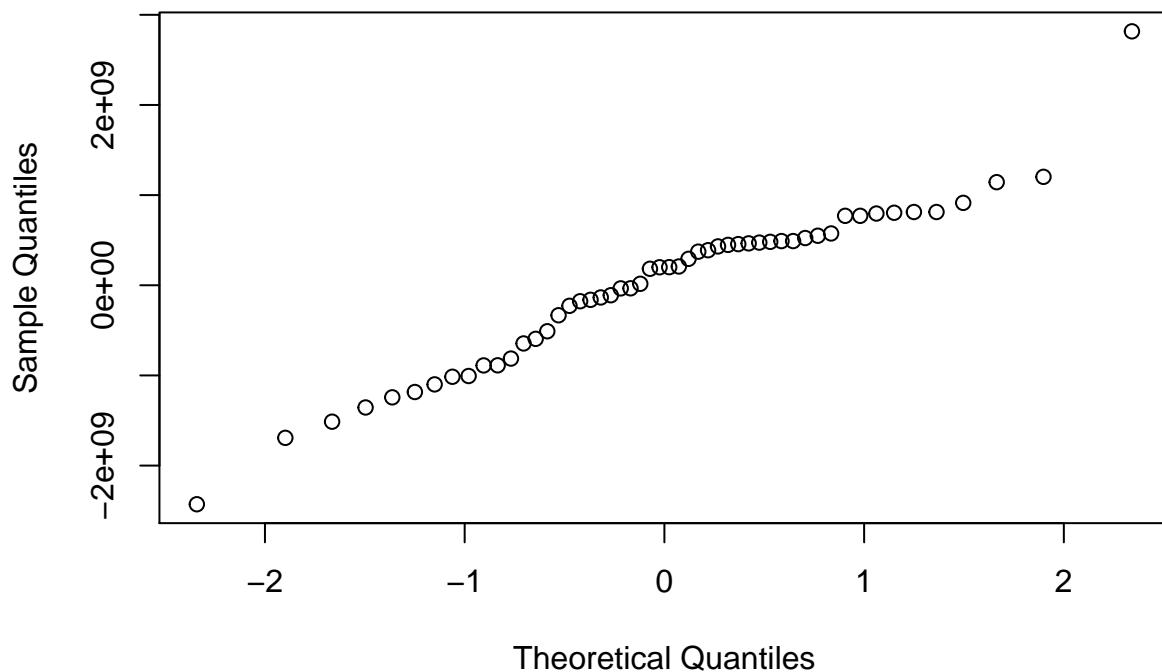
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



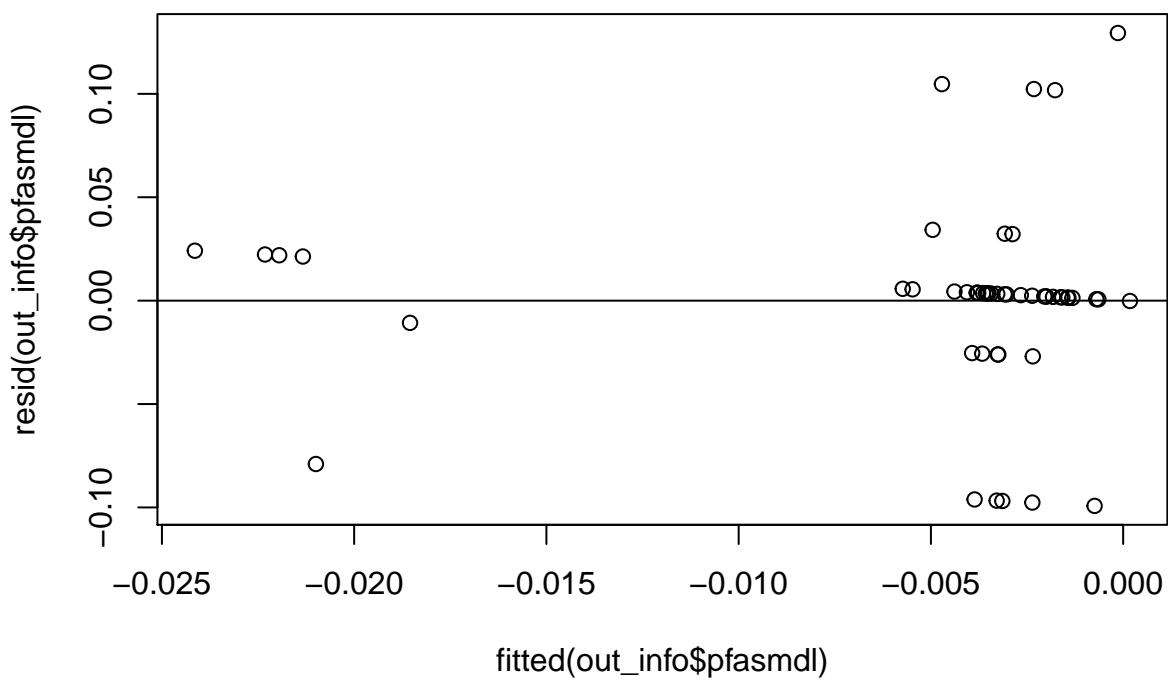
**Normal Q-Q Plot**



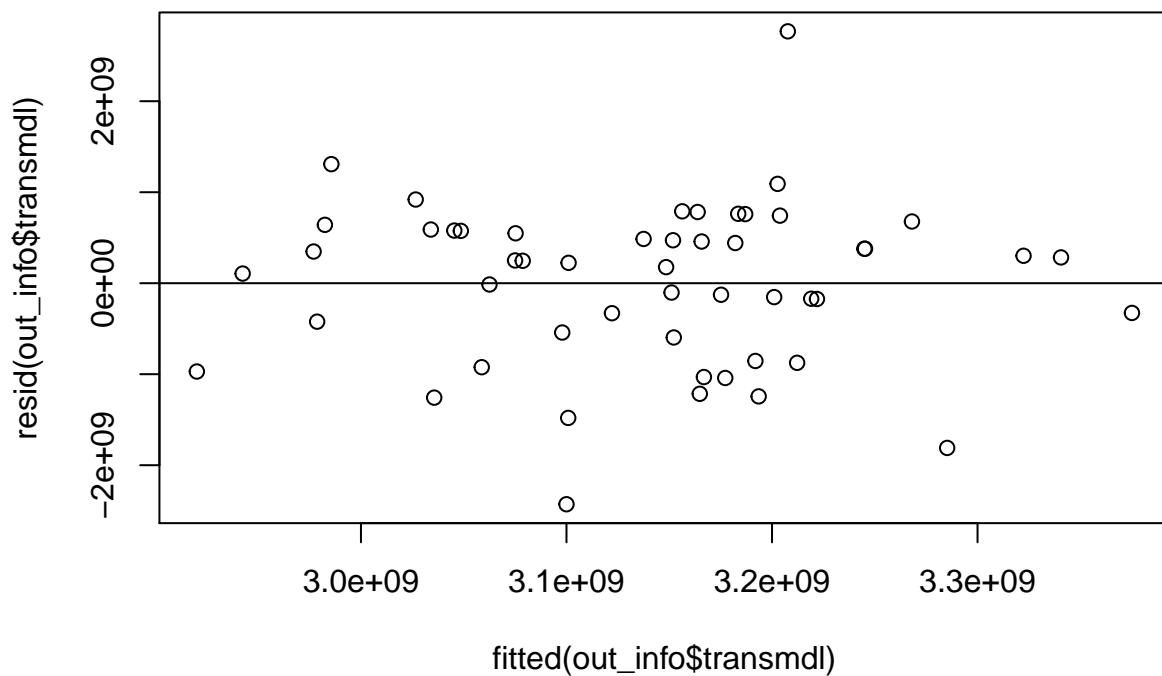
### Normal Q-Q Plot



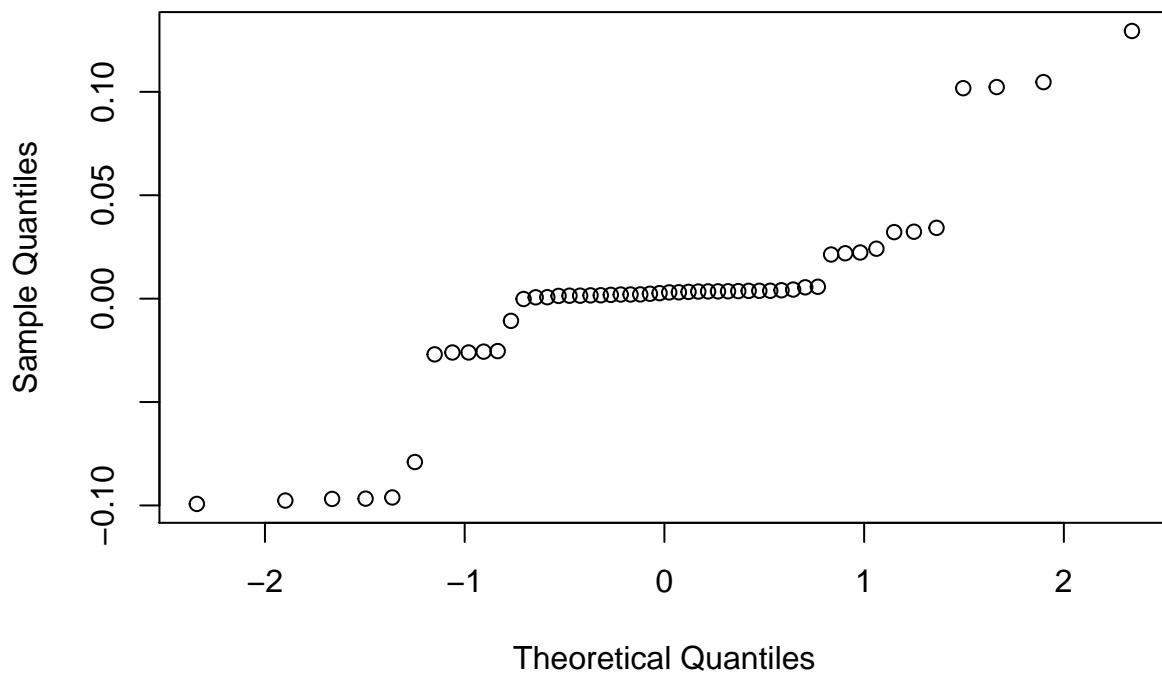
**Plot of PFUAorig+  
Plot of PFUAorigtotal.duration.hrs  
Plot of PFUAorigEthnicity**



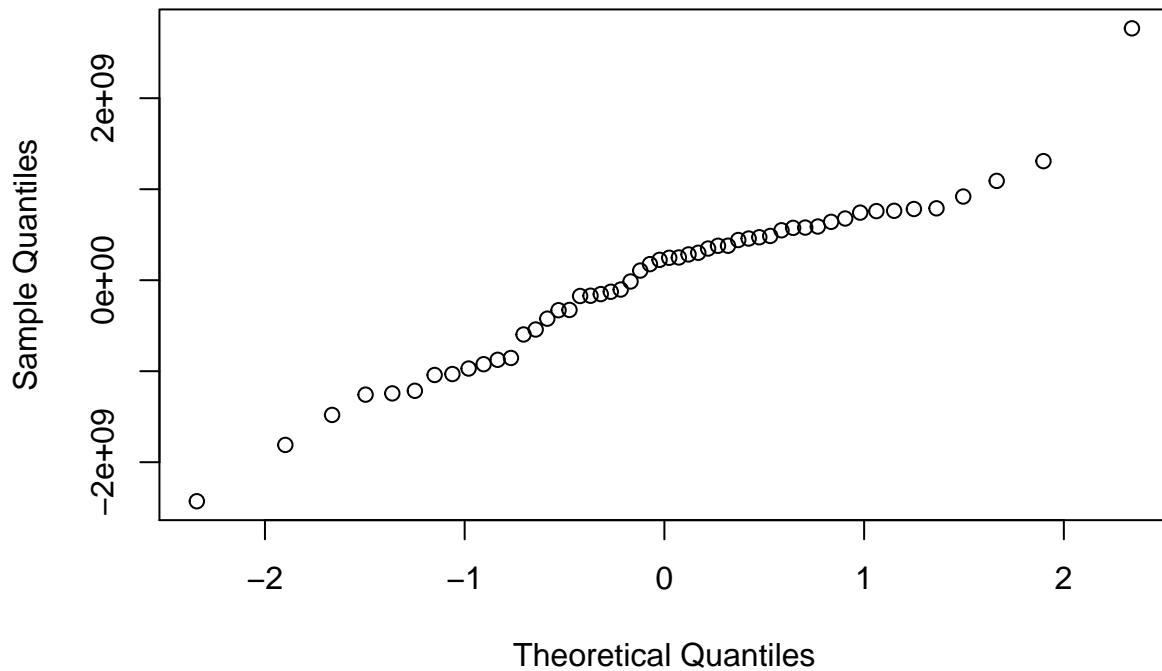
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.duration.hrs  
Plot of SmPFOStransEthnicity**



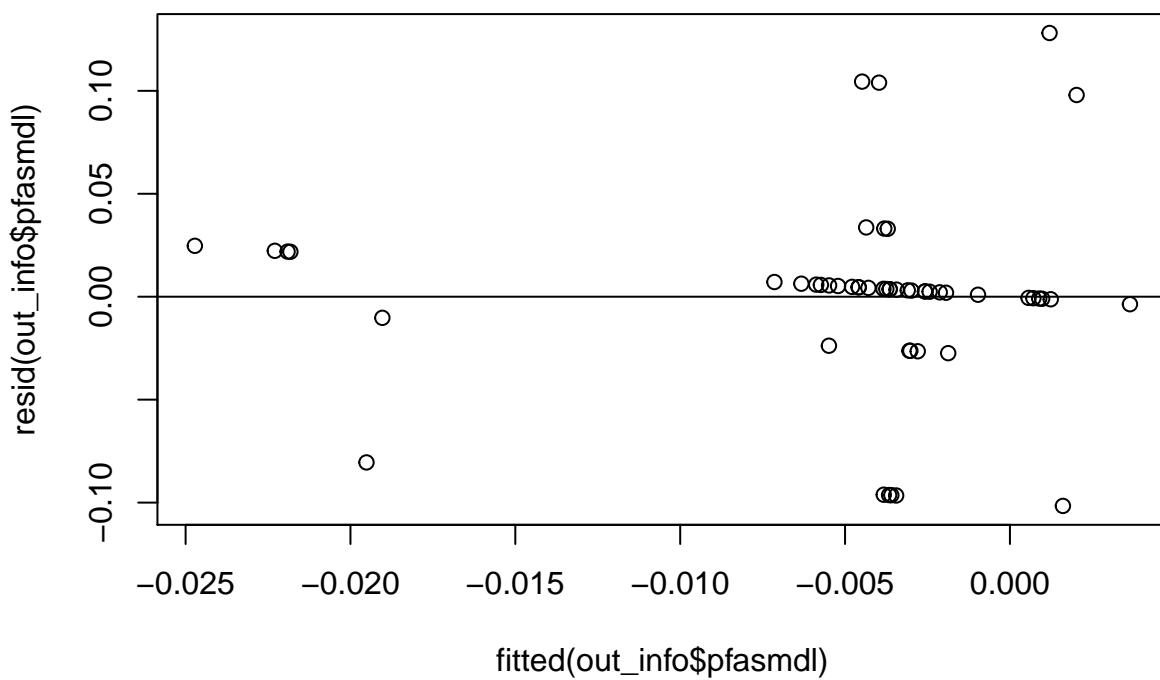
**Normal Q-Q Plot**



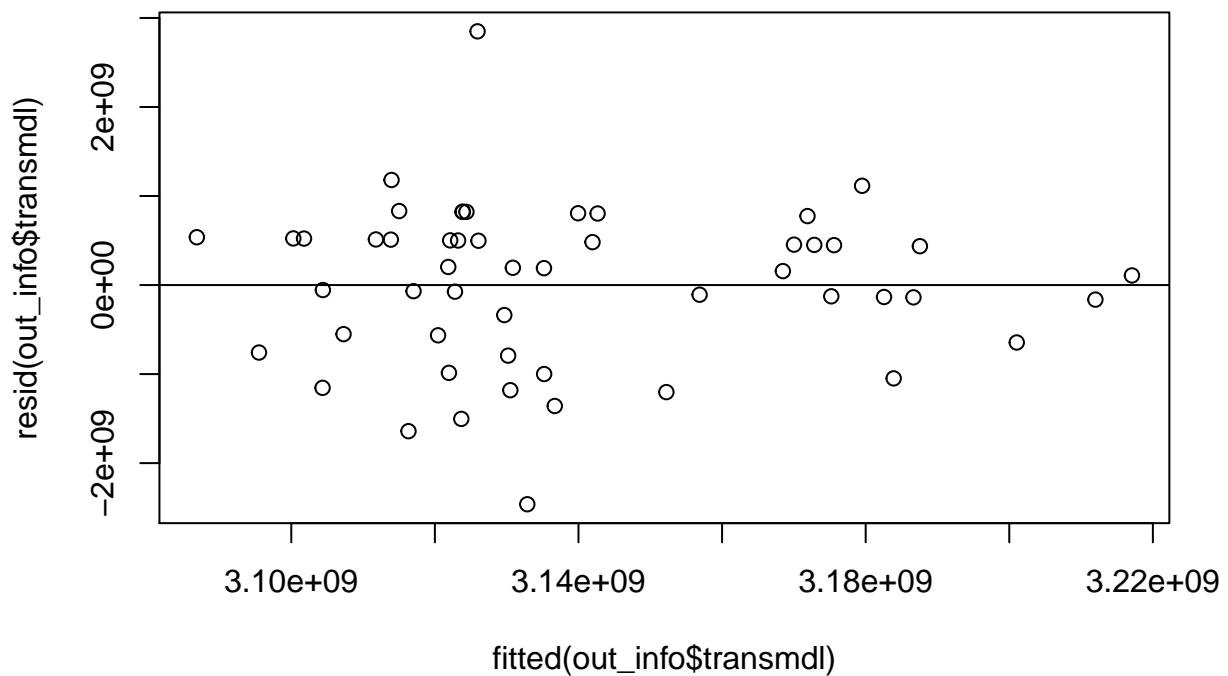
### Normal Q-Q Plot



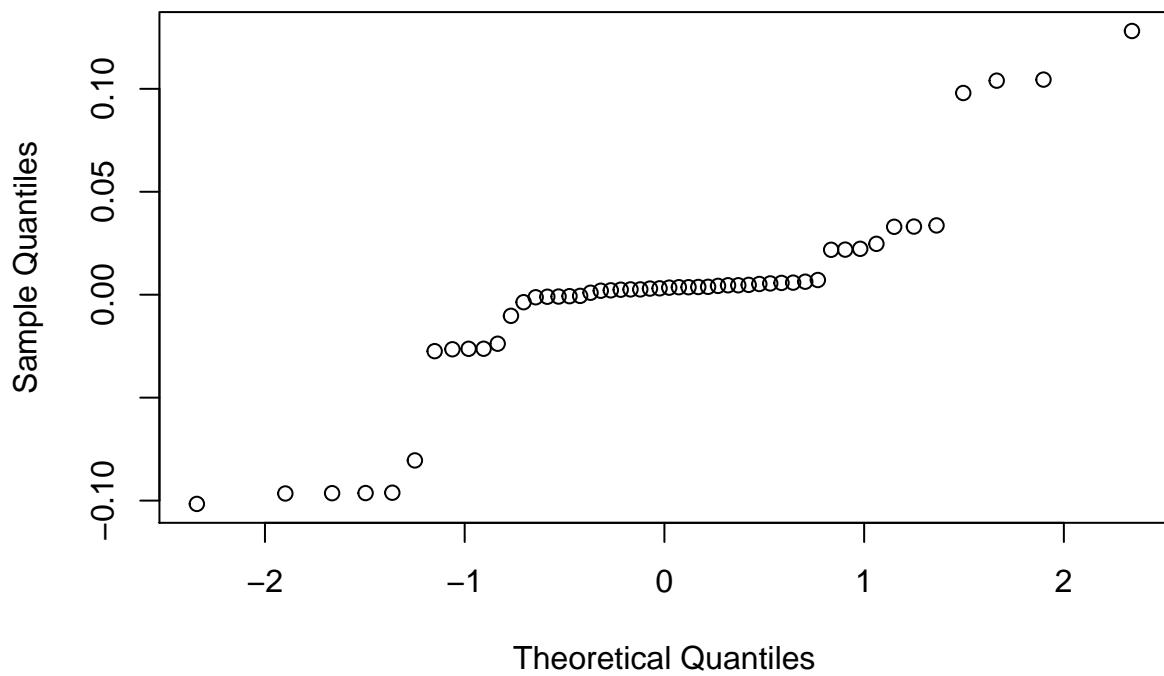
**Plot of PFUAorig+  
Plot of PFUAorigstr.duration.hrs  
Plot of PFUAorigEthnicity**



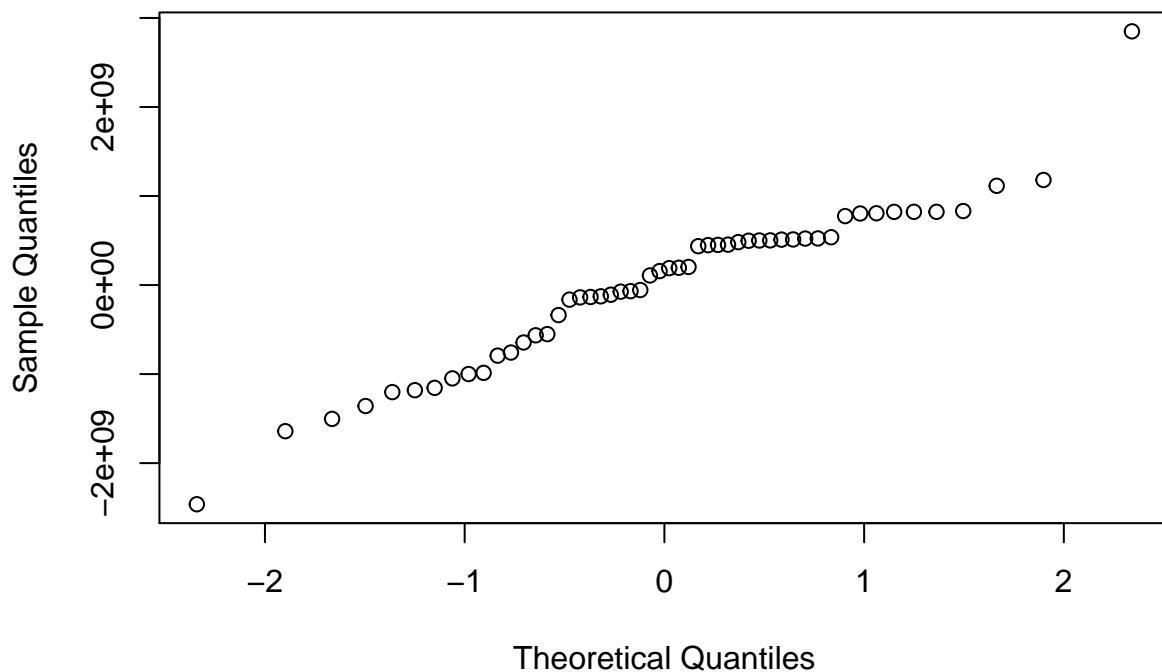
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



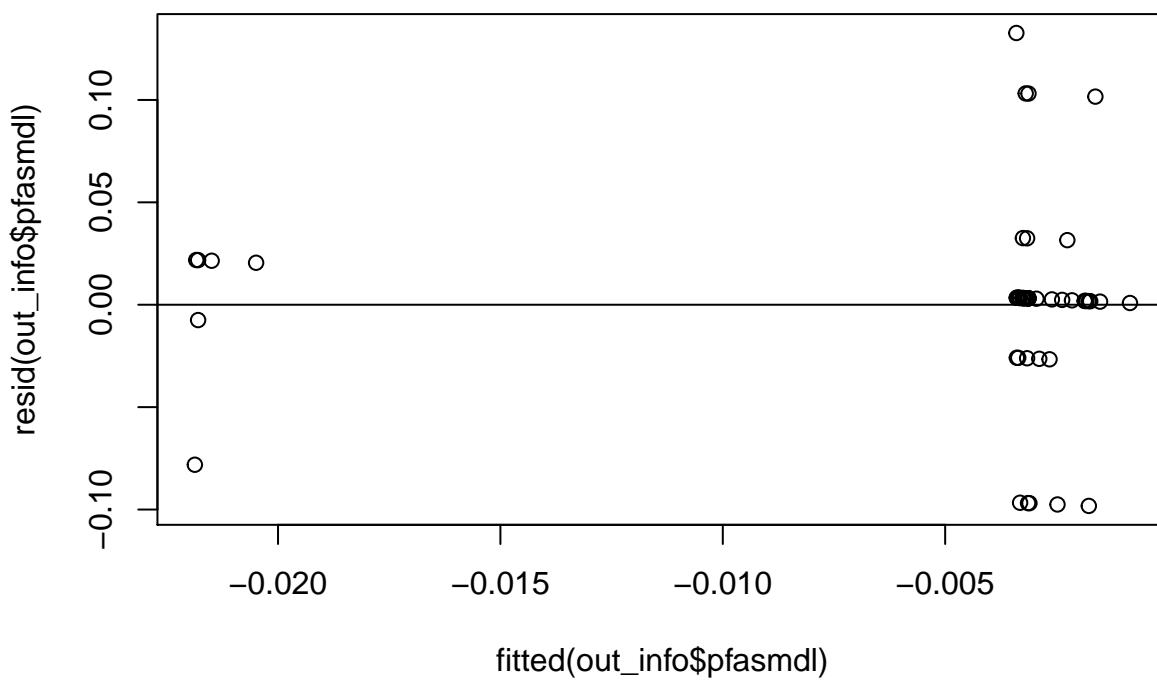
**Normal Q-Q Plot**



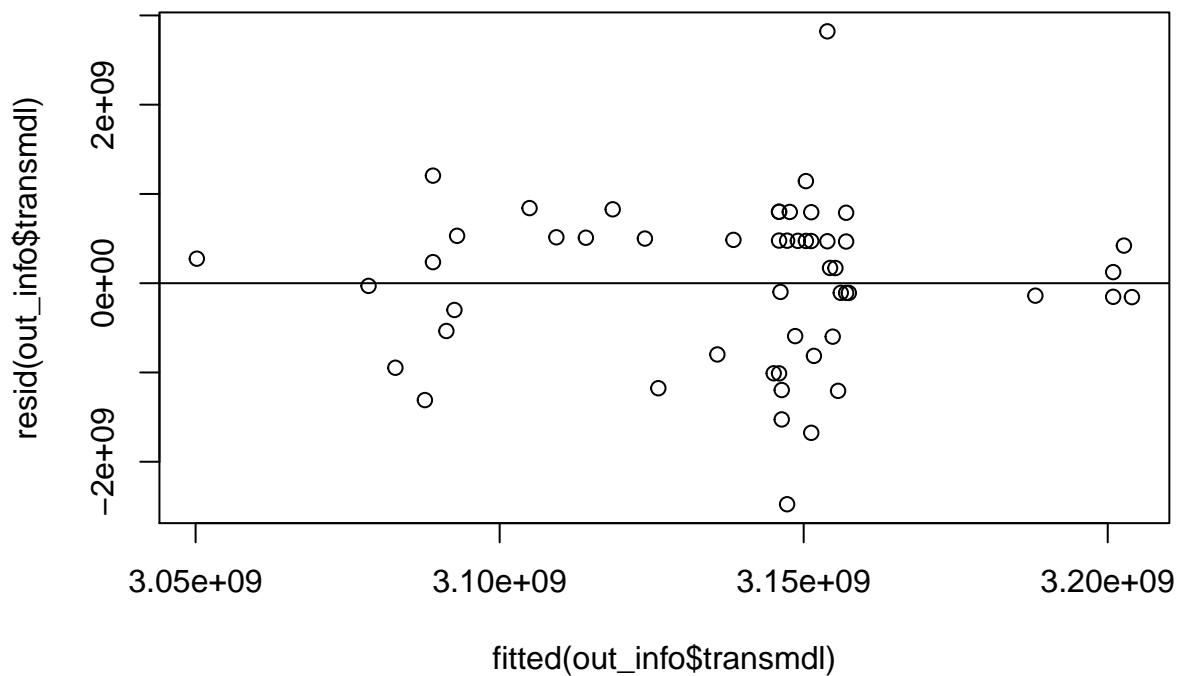
### Normal Q-Q Plot



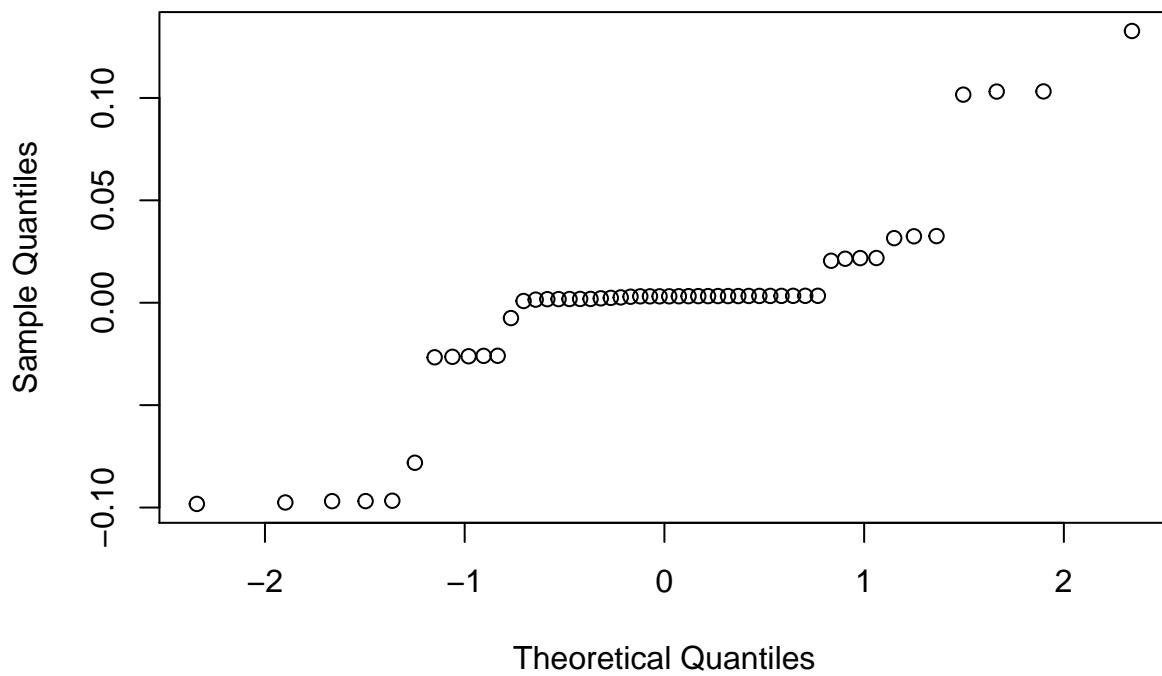
Plot of PFUAorig+  
Plot of PFUAorigdays.since.MRF  
Plot of PFUAorigEthnicity



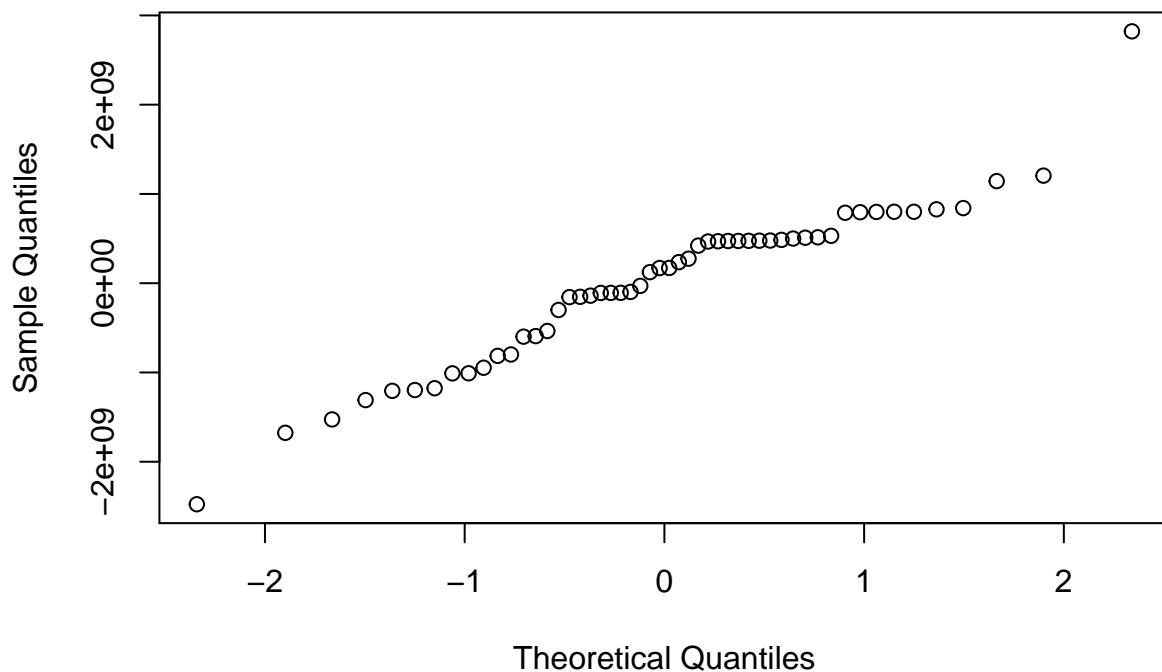
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**



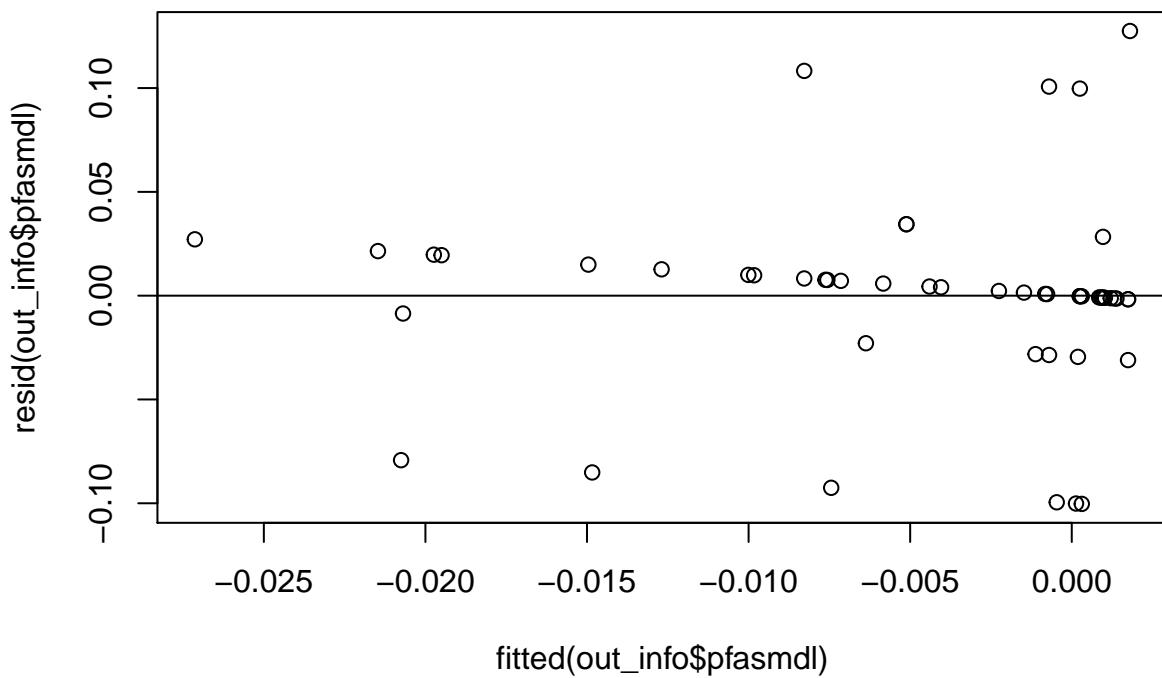
**Normal Q-Q Plot**



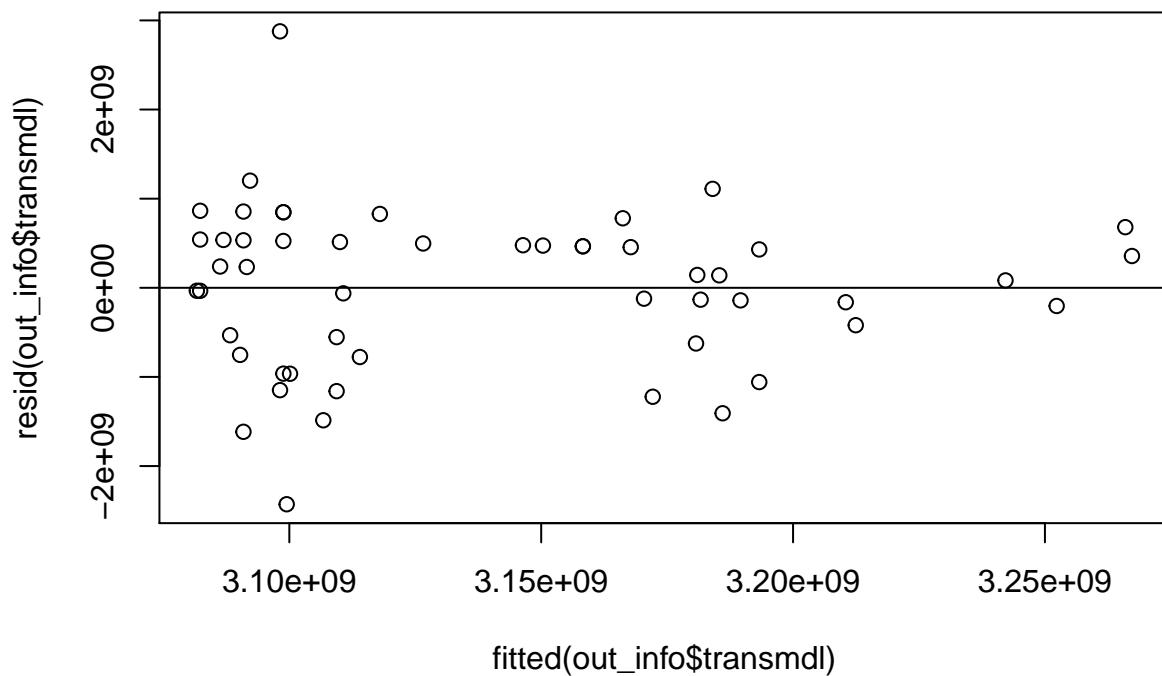
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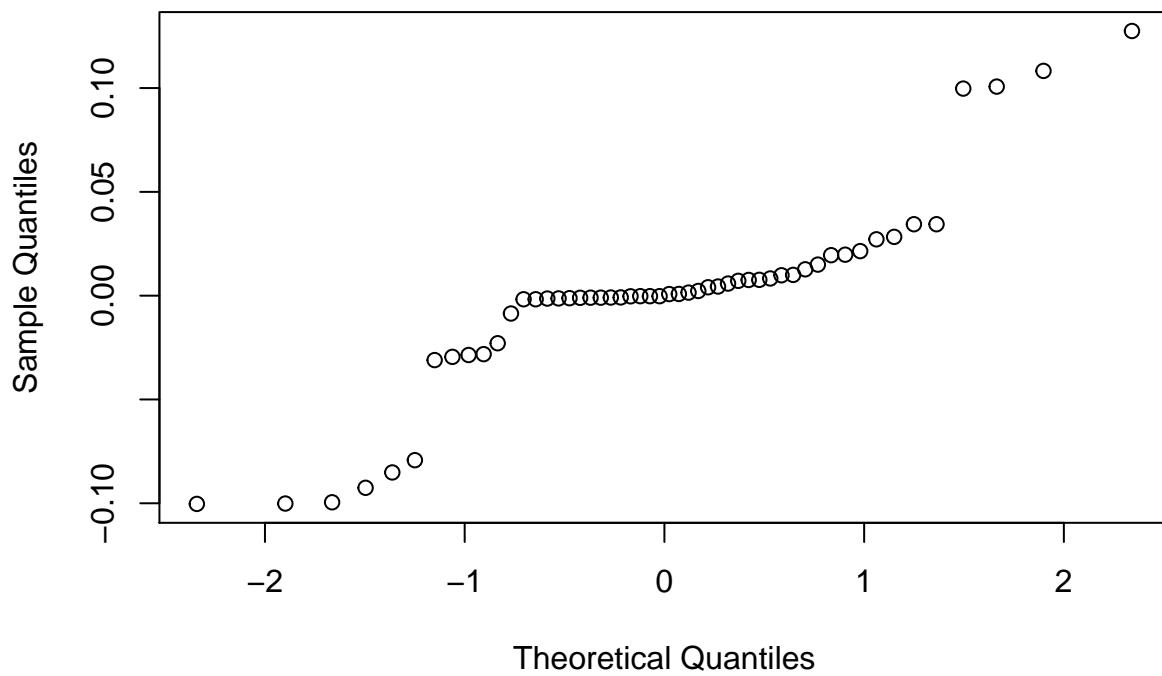
Plot of PFUAorig+  
Plot of PFUAorigdays.since.struc.MRF  
Plot of PFUAorigEthnicity



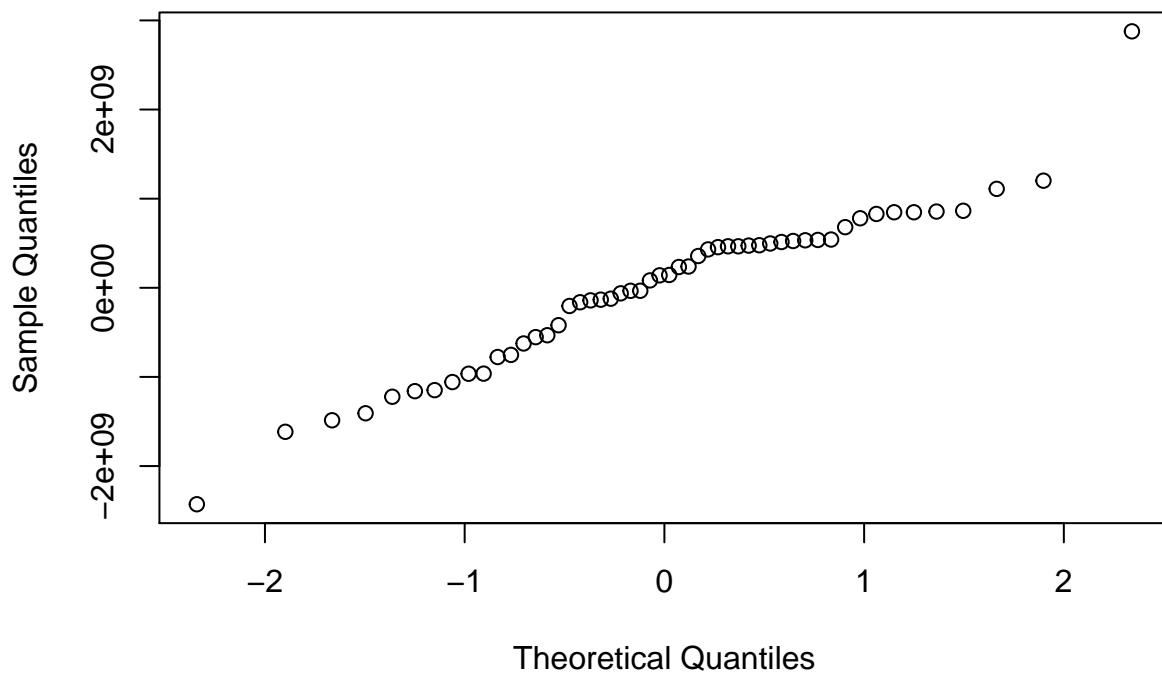
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



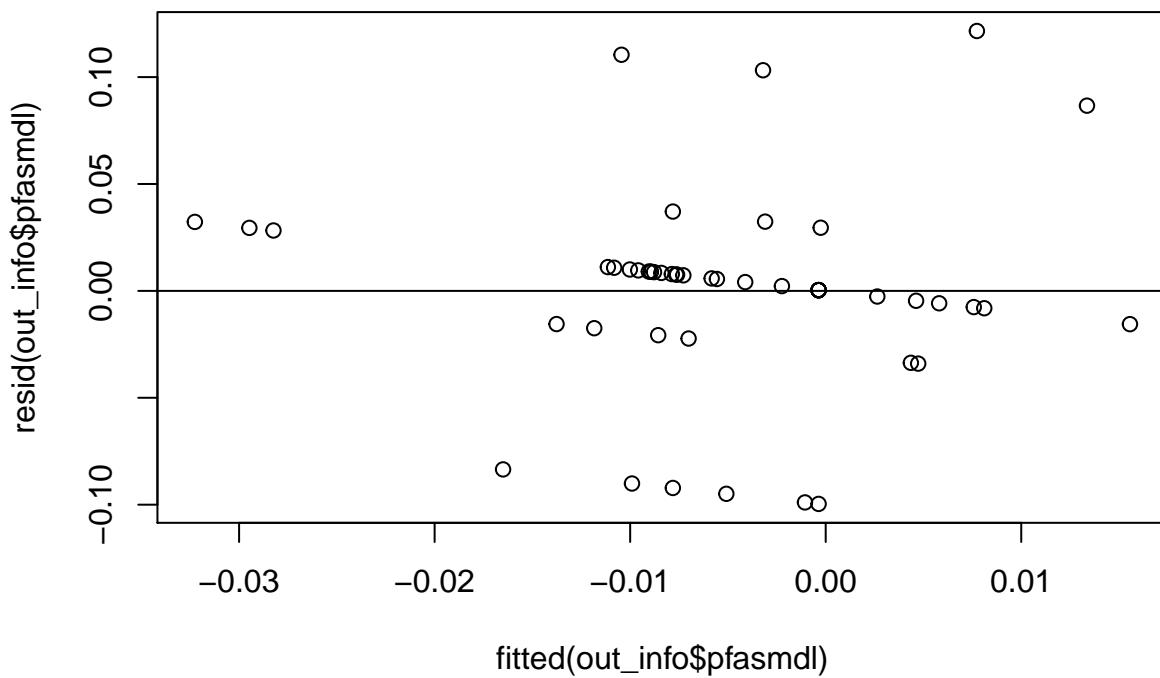
**Normal Q-Q Plot**



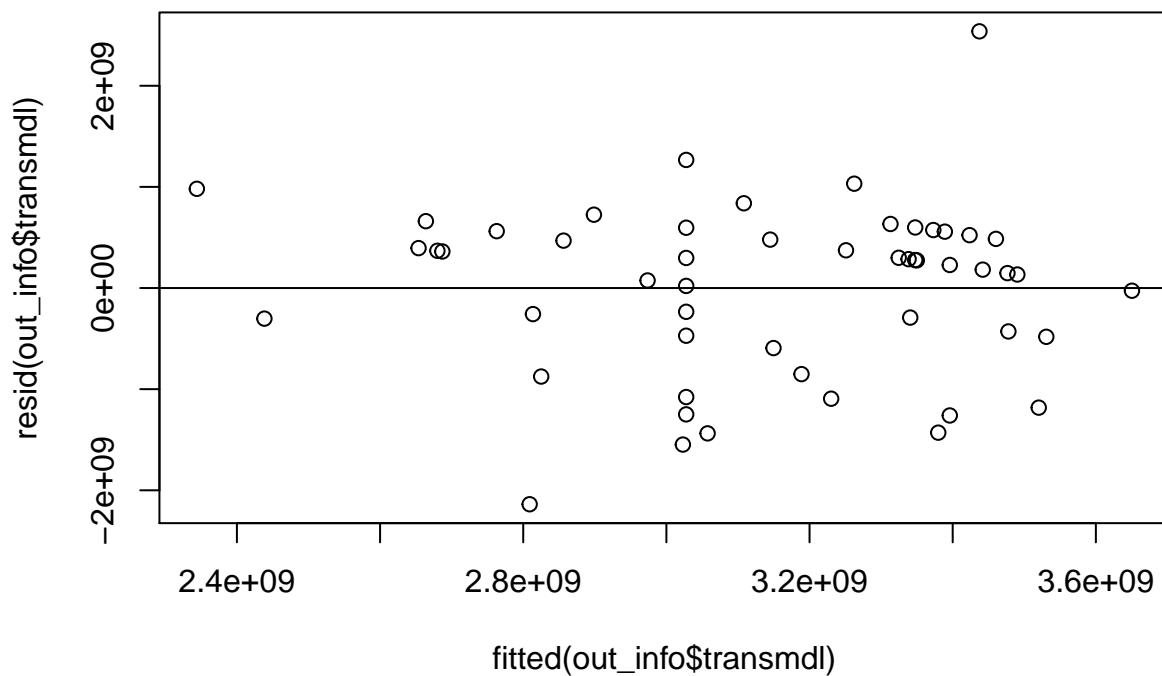
### Normal Q-Q Plot



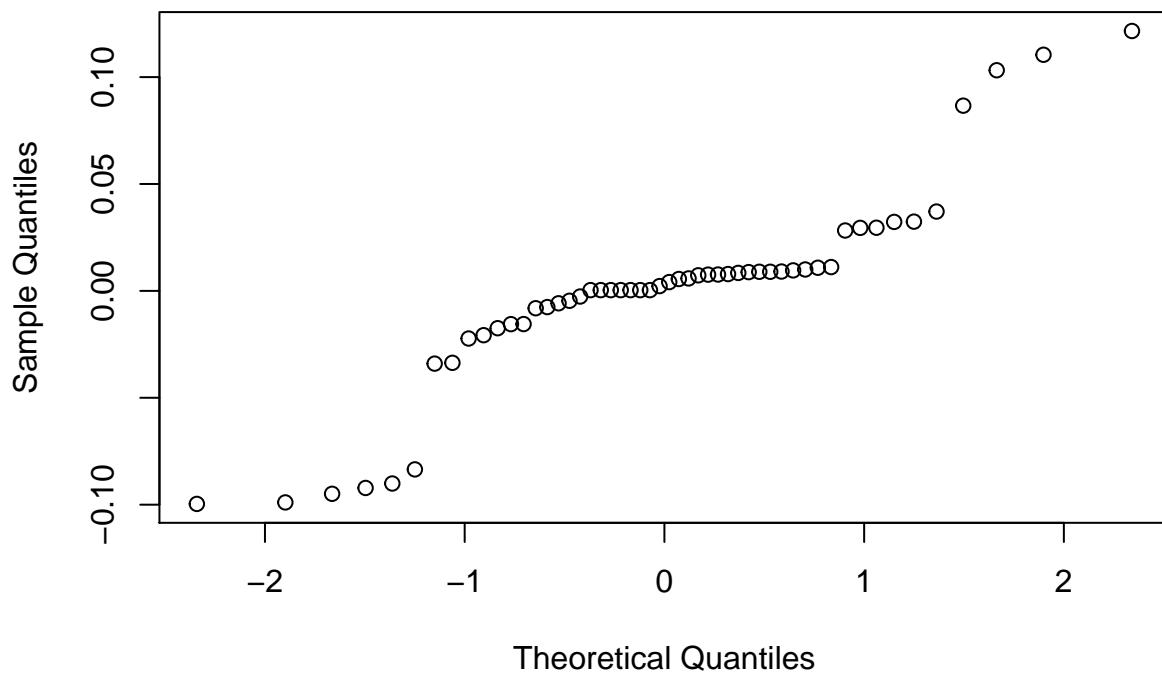
Plot of PFUAorig+  
Plot of PFUAorigtime.since.baseline  
Plot of PFUAorigEthnicity



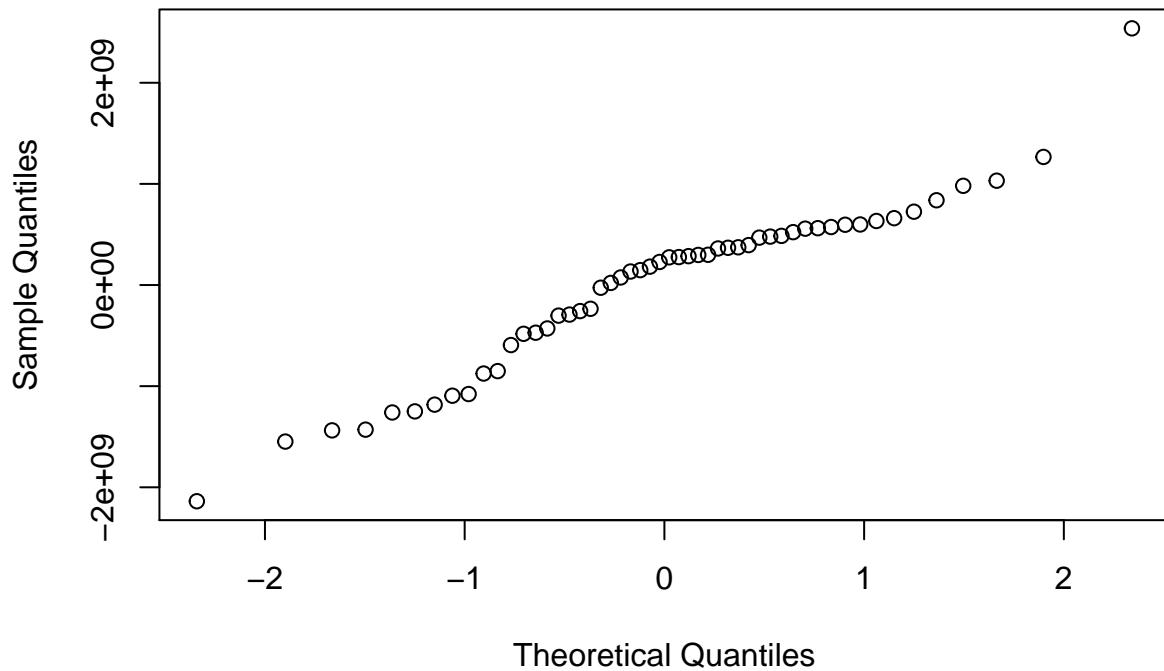
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



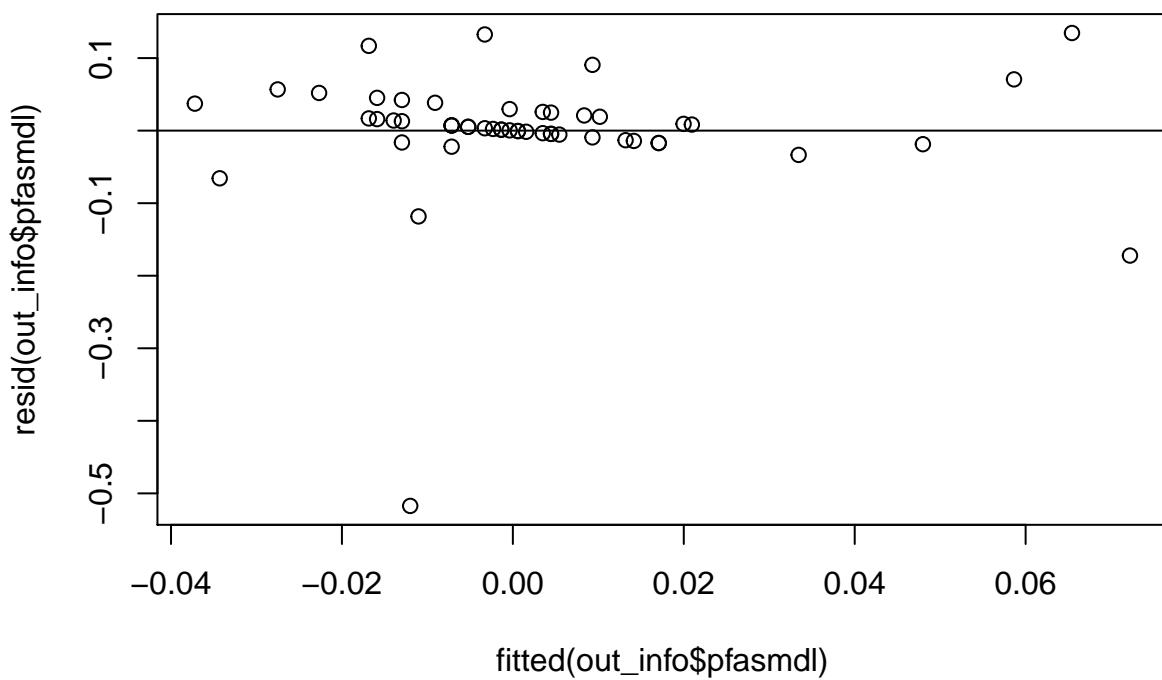
**Normal Q-Q Plot**



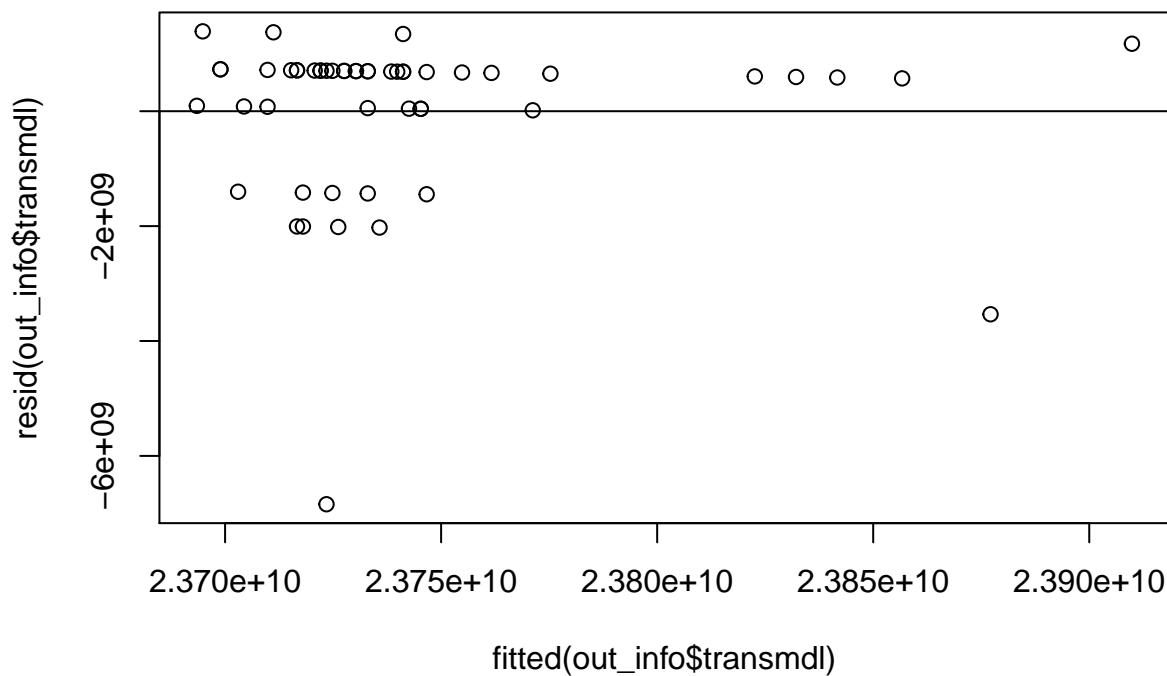
### Normal Q-Q Plot



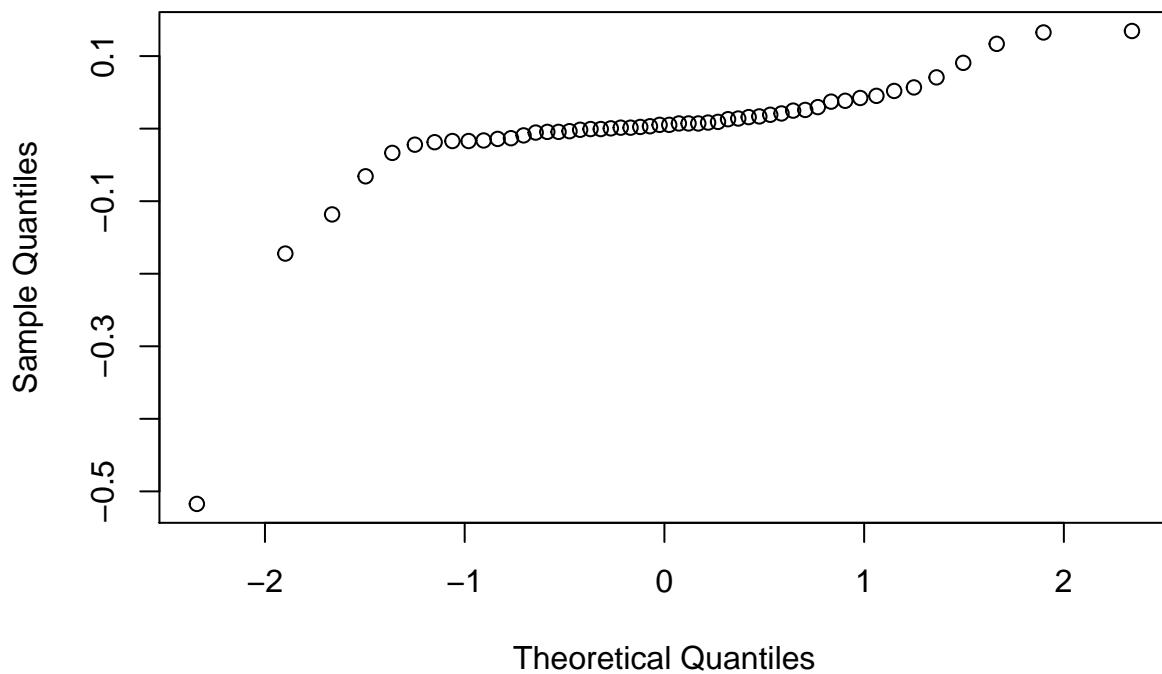
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity**



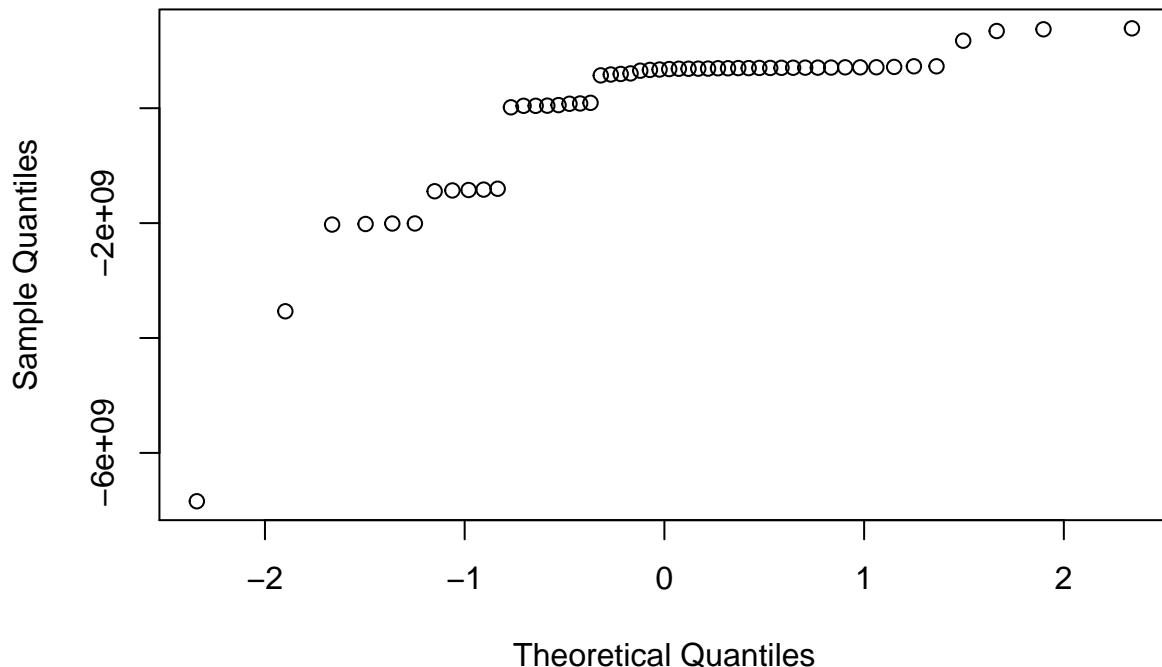
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



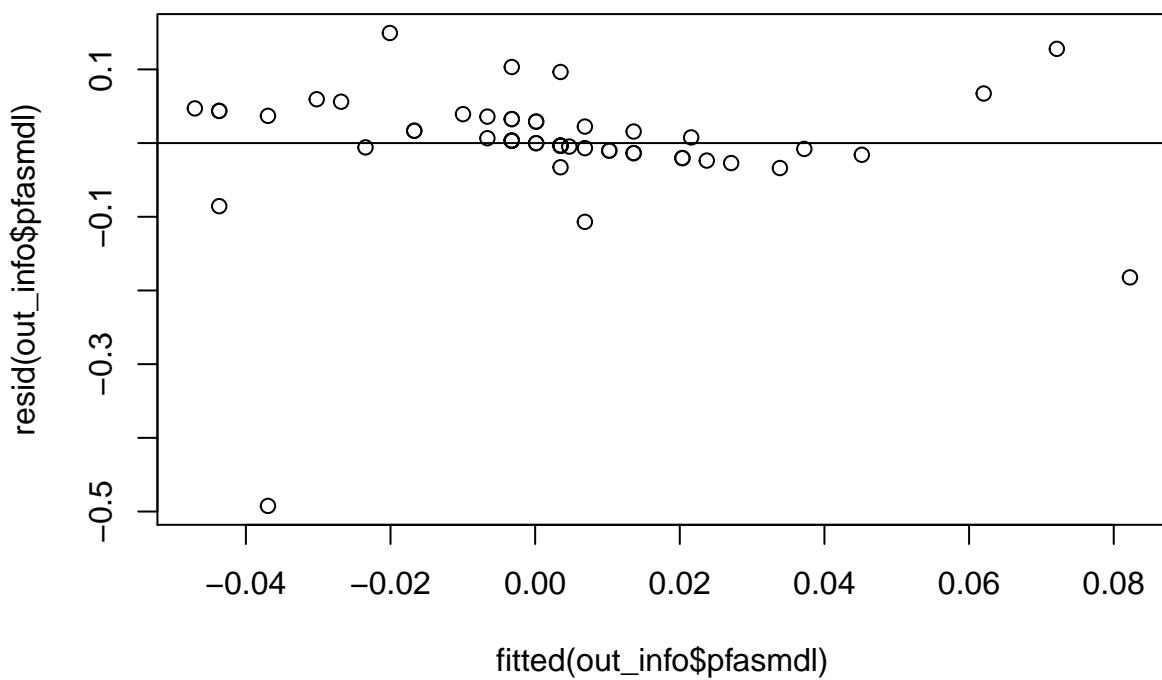
**Normal Q-Q Plot**



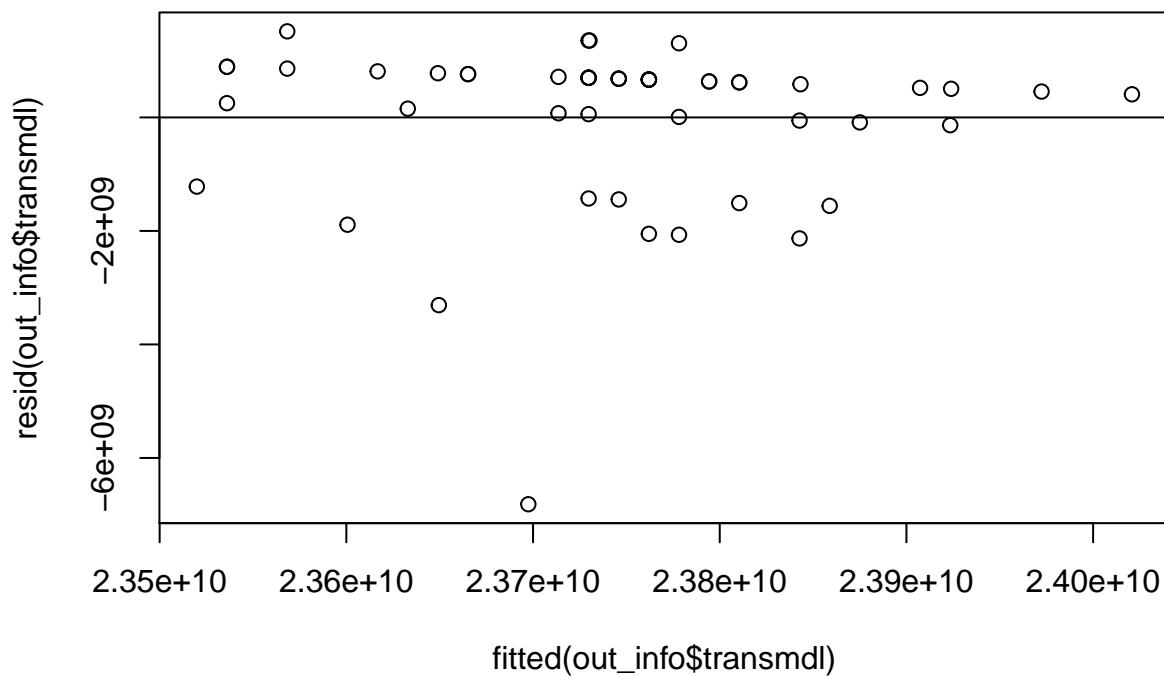
### Normal Q-Q Plot



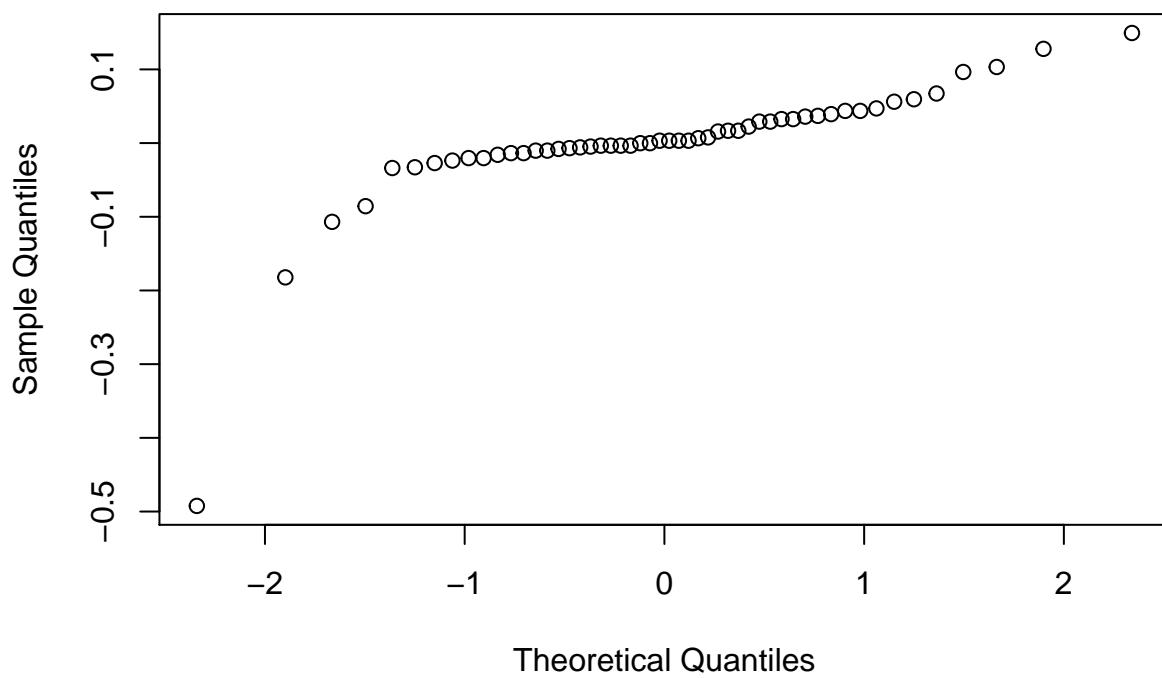
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.num.fireruns  
Plot of SbPFOAorigEthnicity**



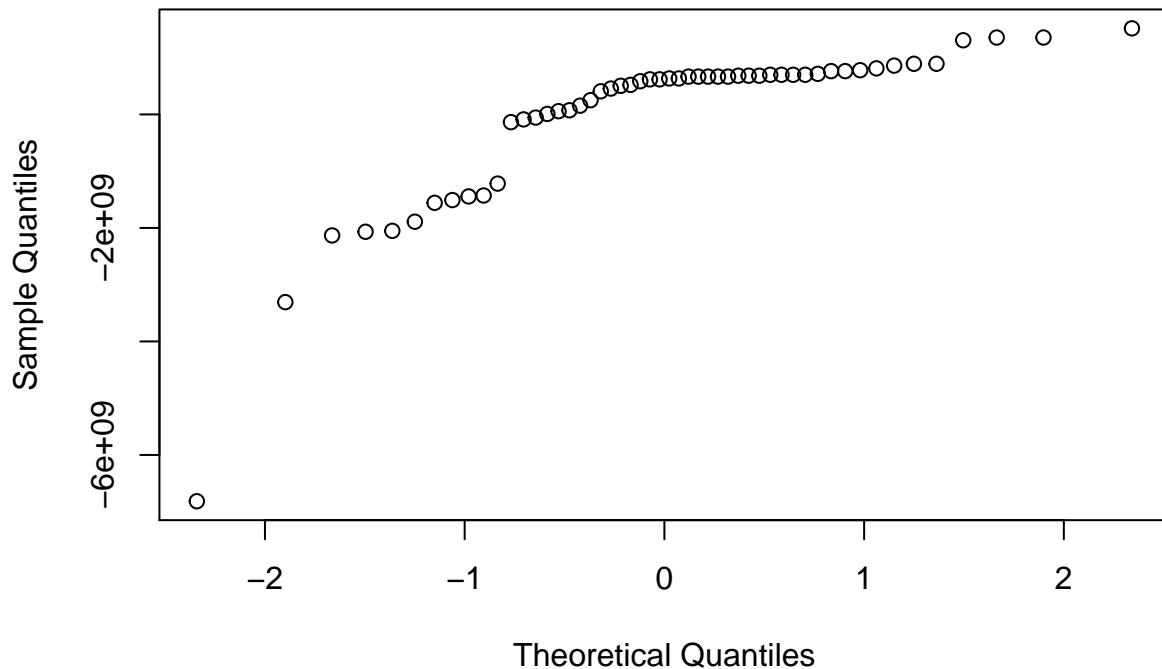
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.num.fireruns  
Plot of PFOSAtransEthnicity**



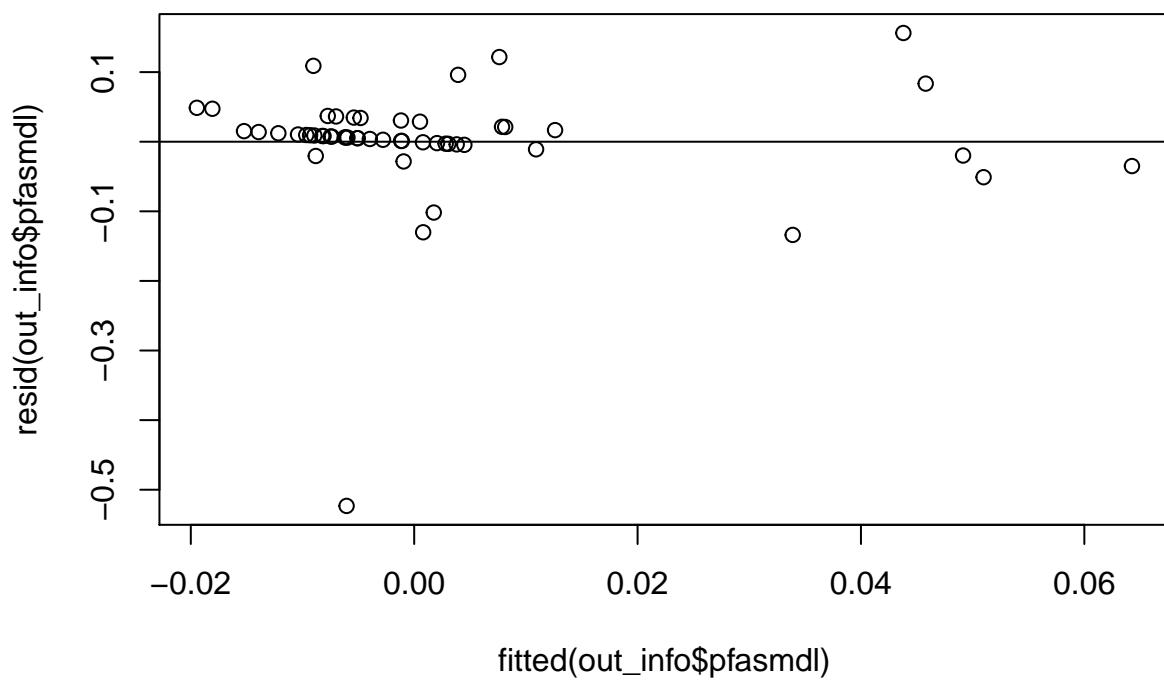
**Normal Q-Q Plot**



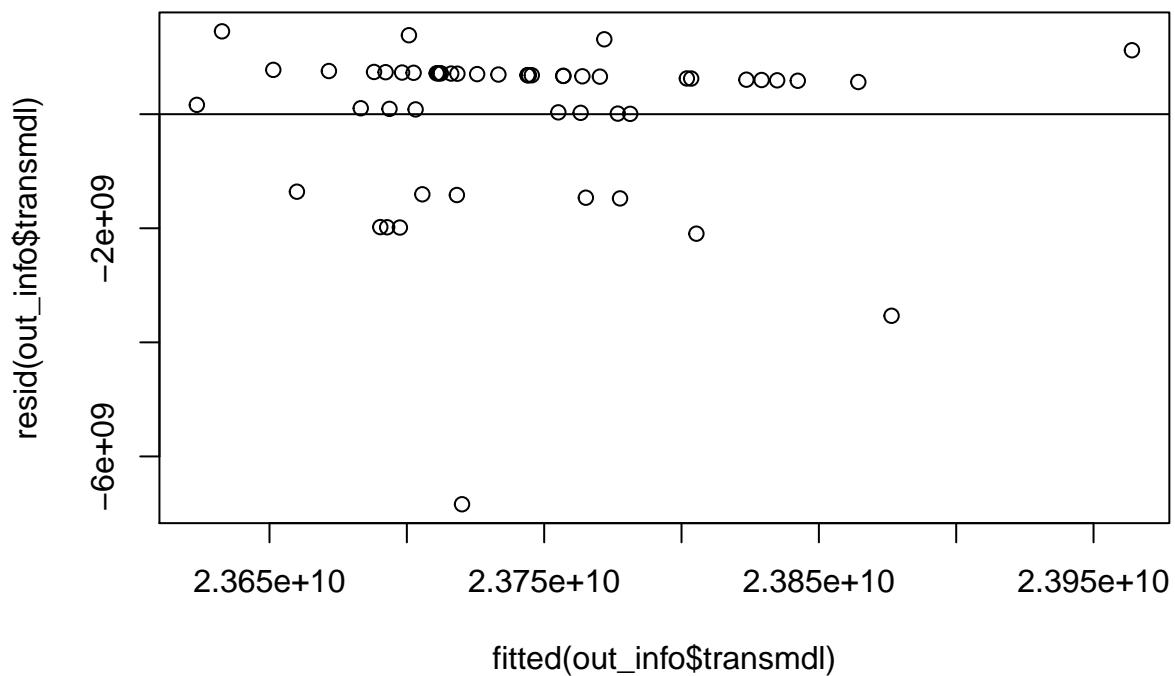
### Normal Q-Q Plot



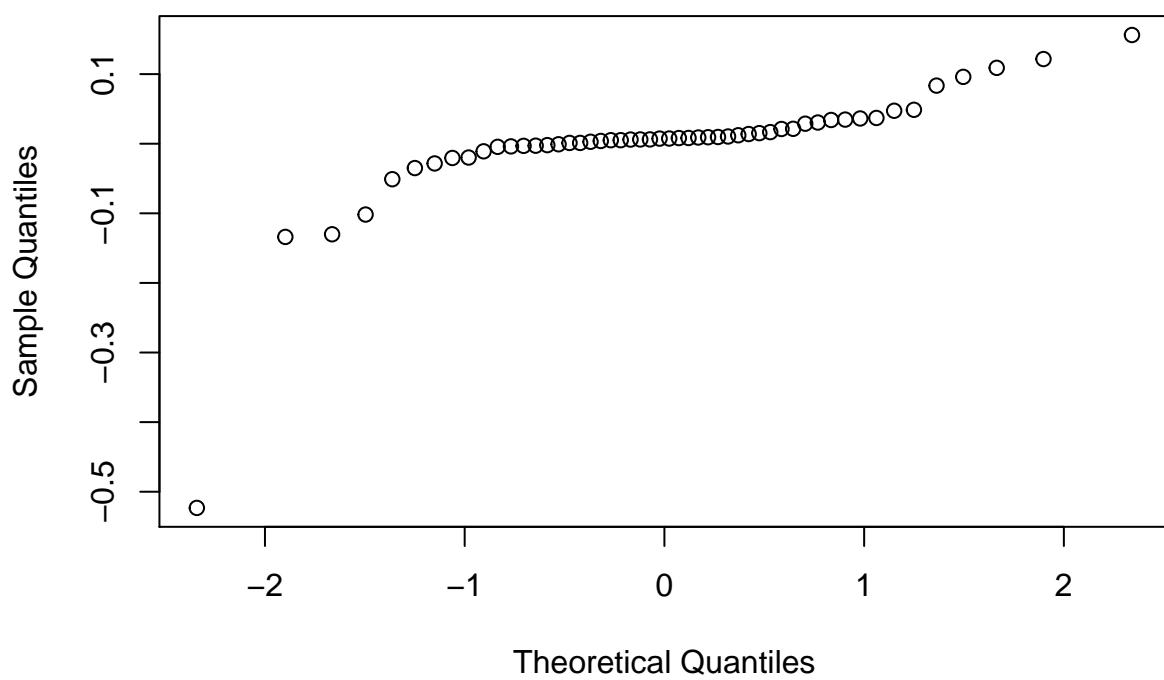
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.duration.hrs  
Plot of SbPFOAorigEthnicity**



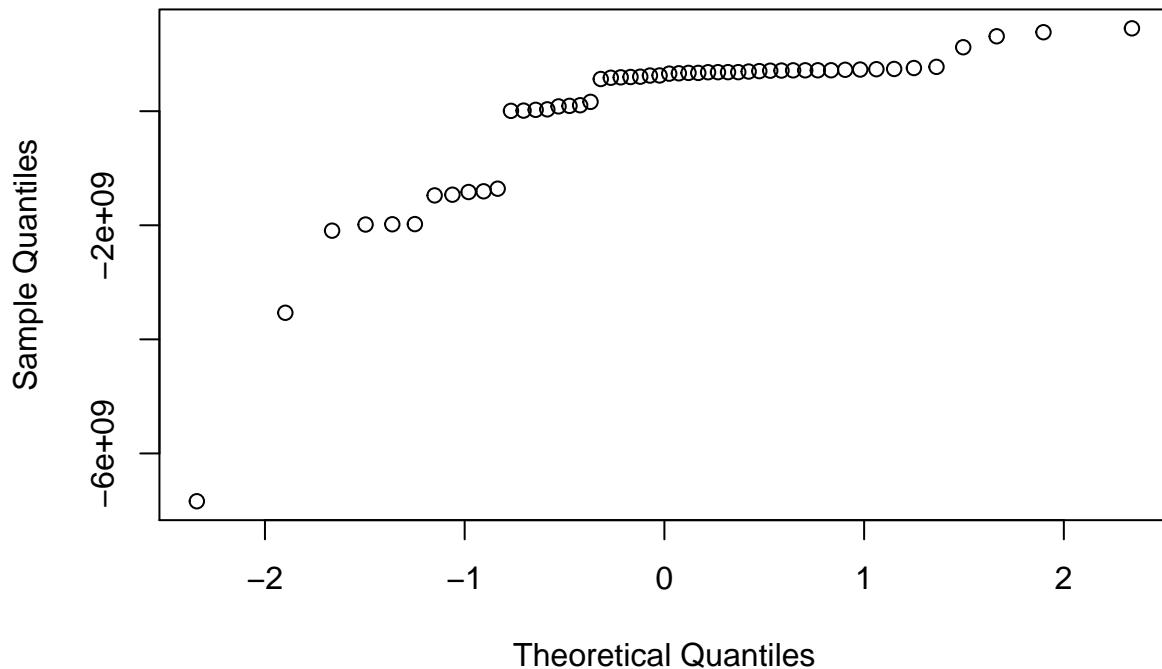
**Plot of PFOSAtrans+  
Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



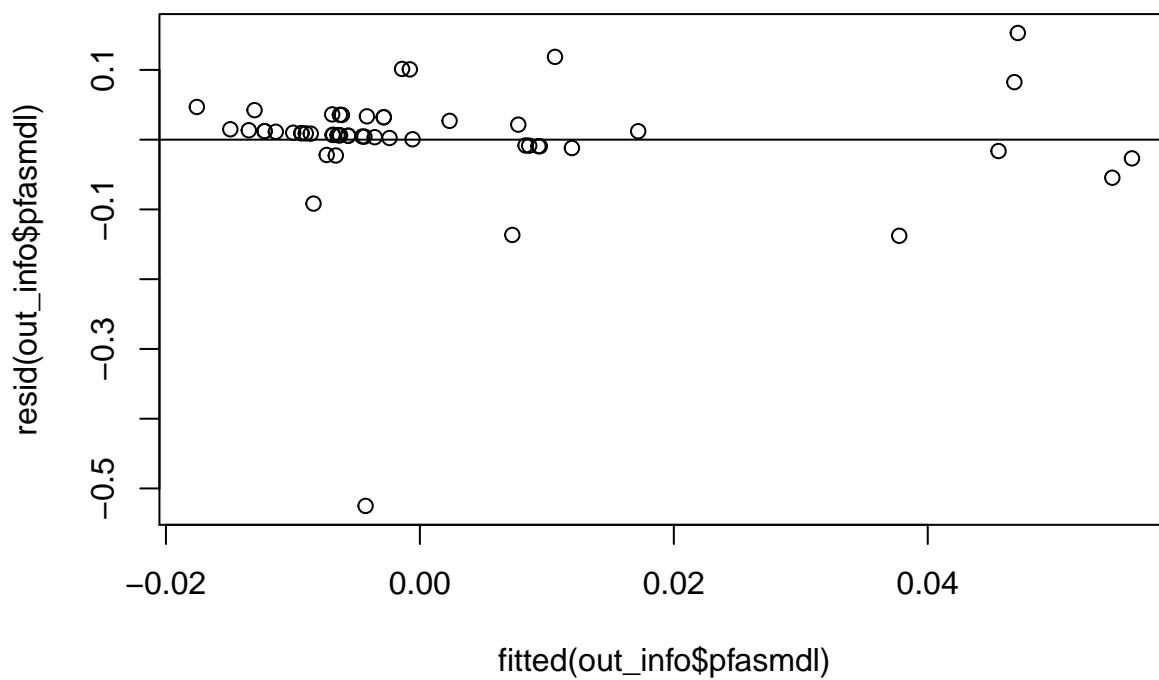
**Normal Q-Q Plot**



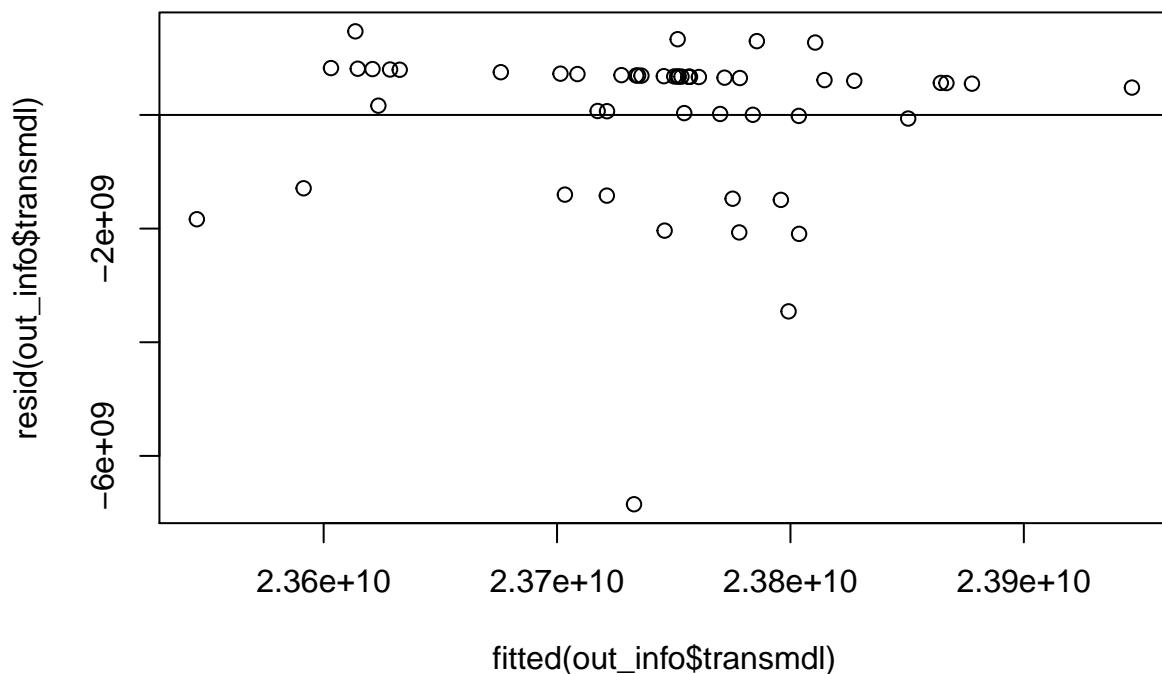
### Normal Q-Q Plot



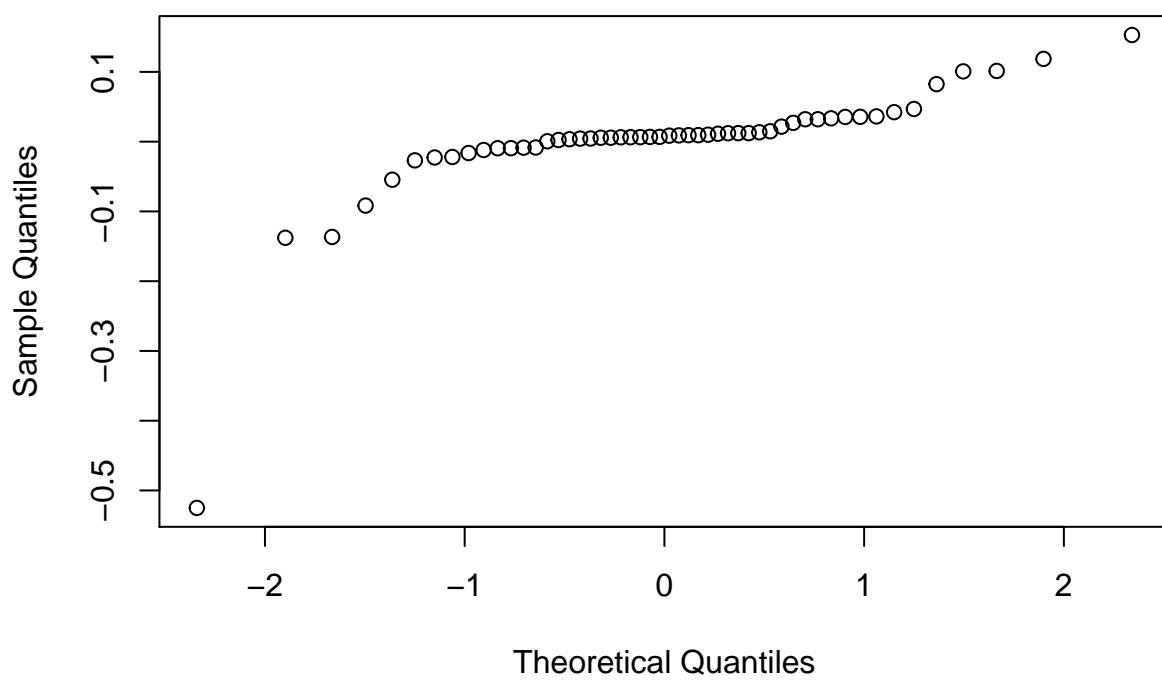
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.duration.hrs  
Plot of SbPFOAorigEthnicity**



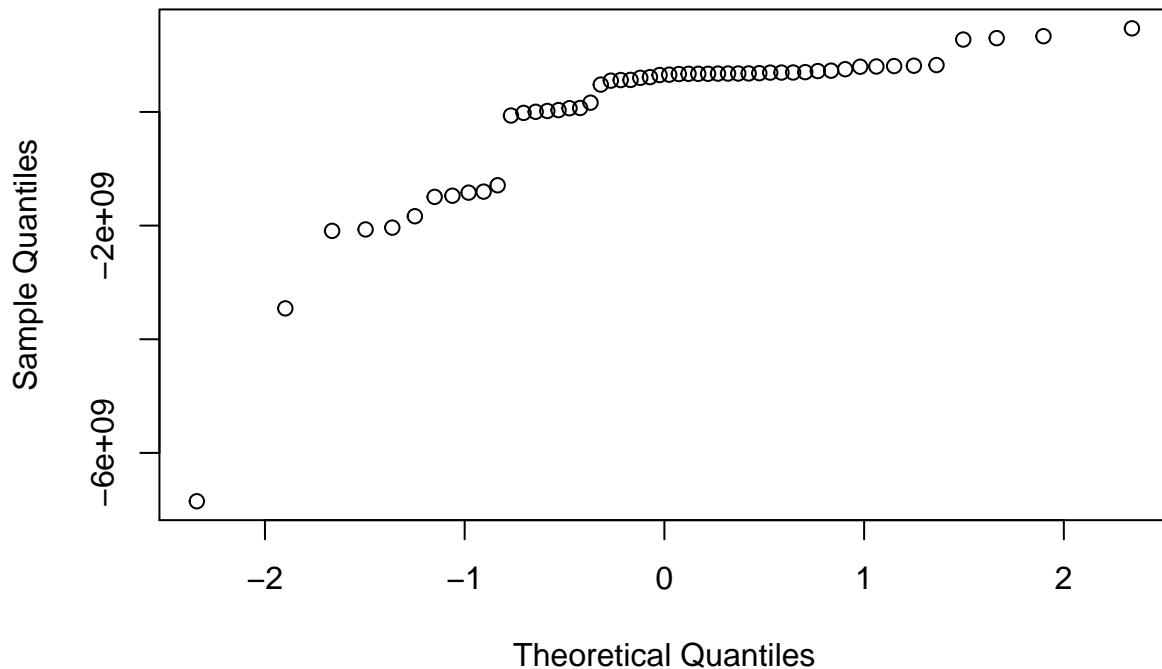
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.duration.hrs  
Plot of PFOSAtransEthnicity**



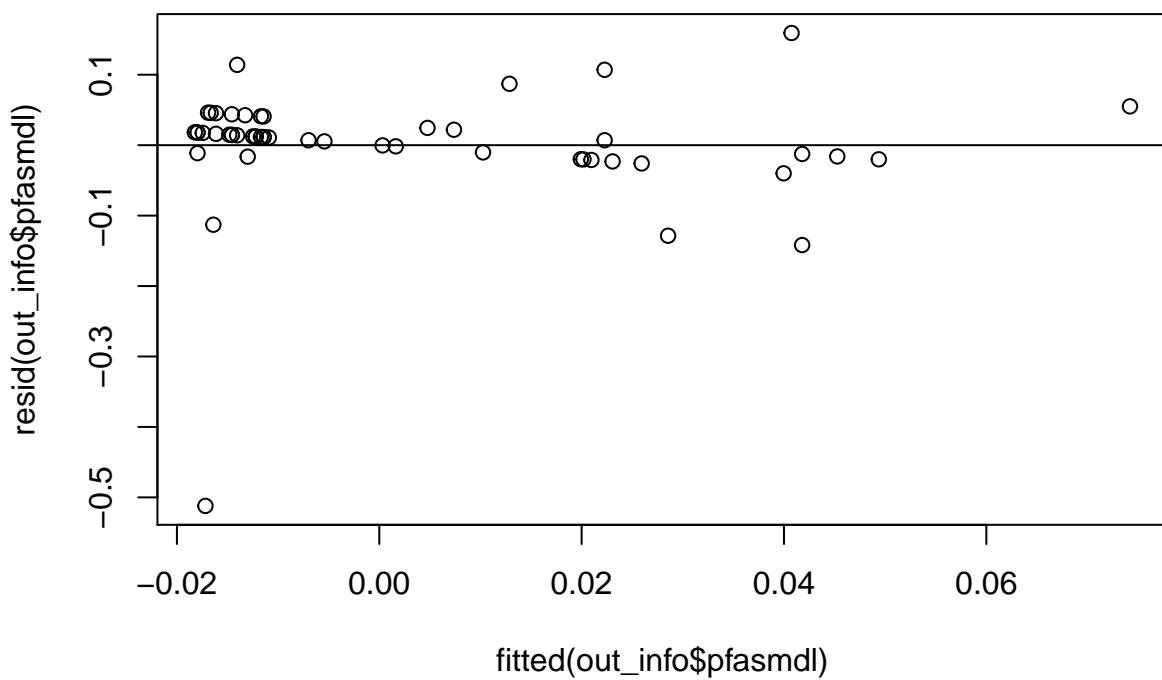
**Normal Q-Q Plot**



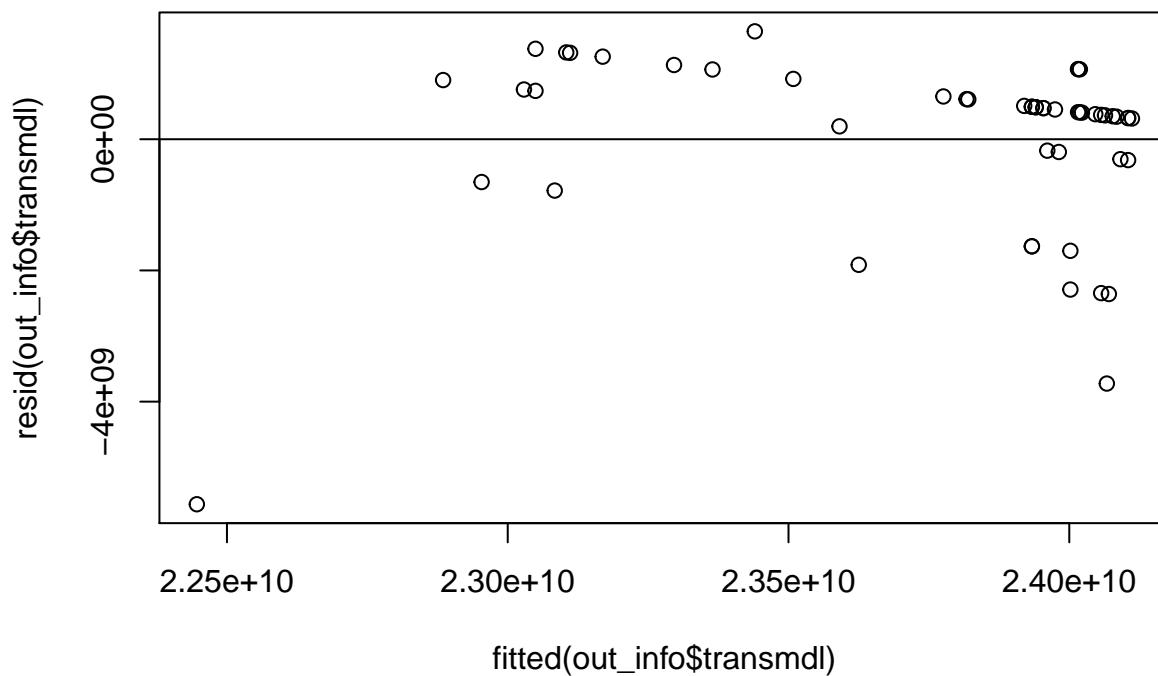
### Normal Q-Q Plot



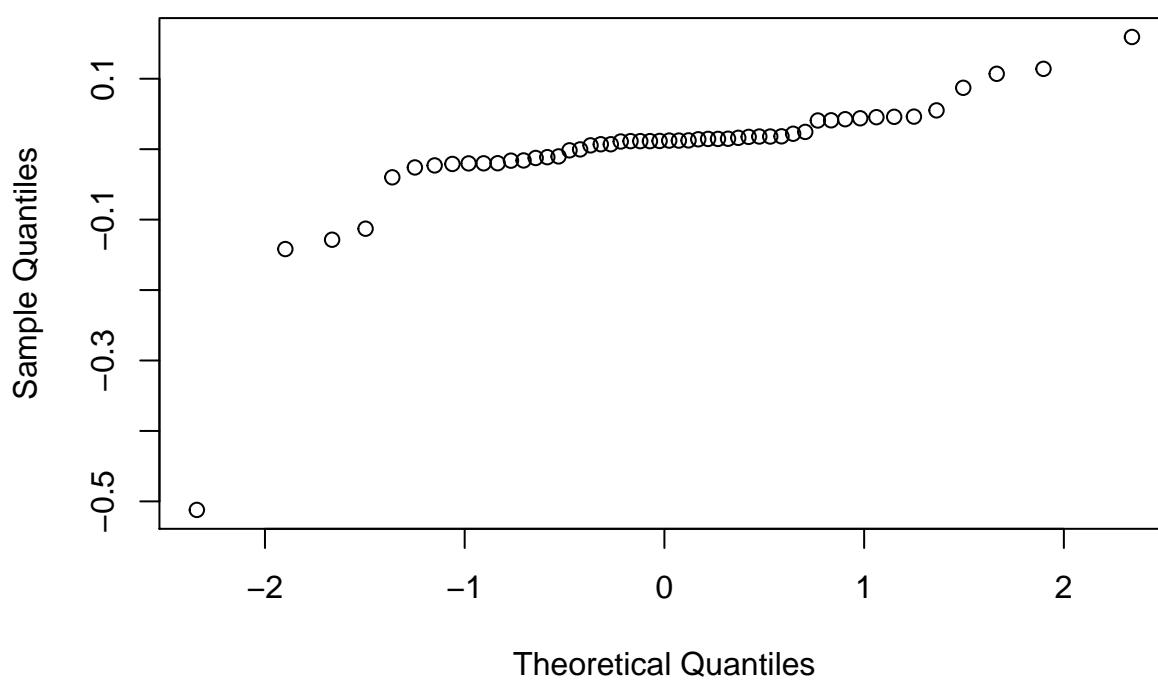
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigdays.since.MRF**  
**Plot of SbPFOAorigEthnicity**



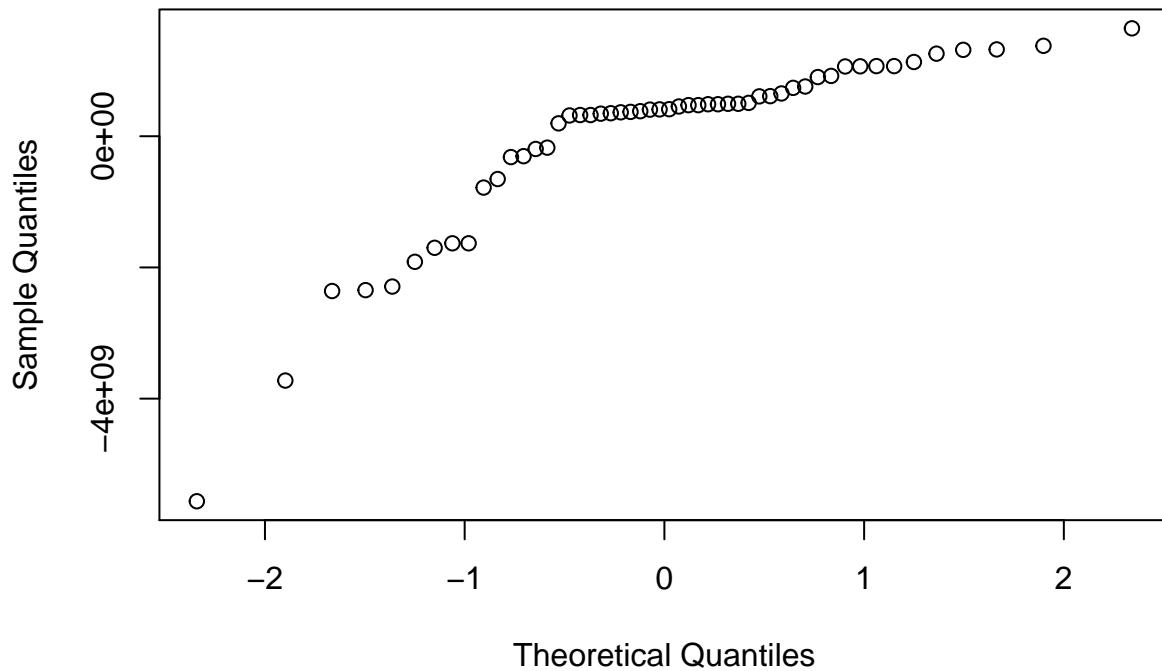
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



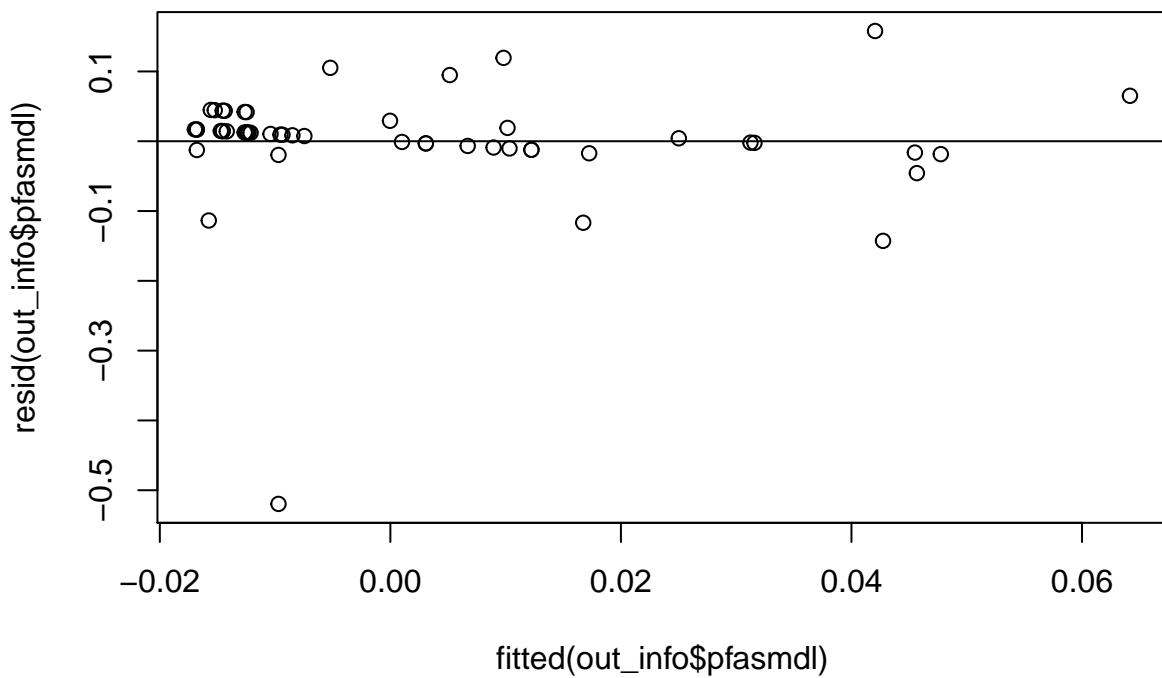
**Normal Q-Q Plot**



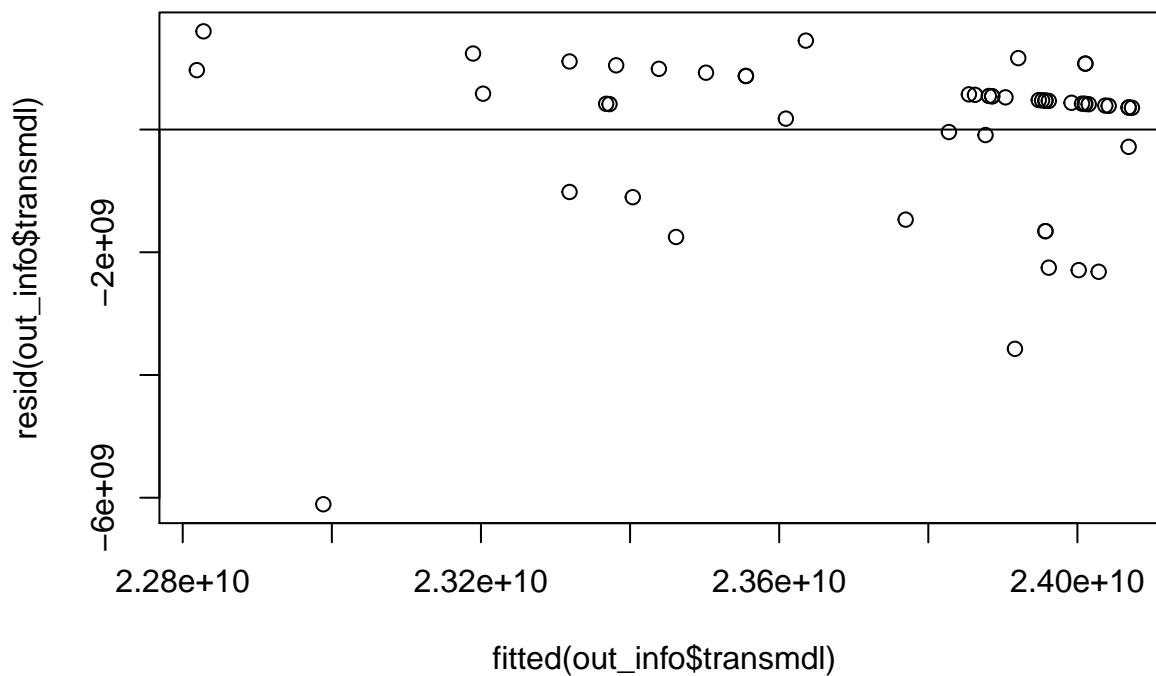
### Normal Q-Q Plot



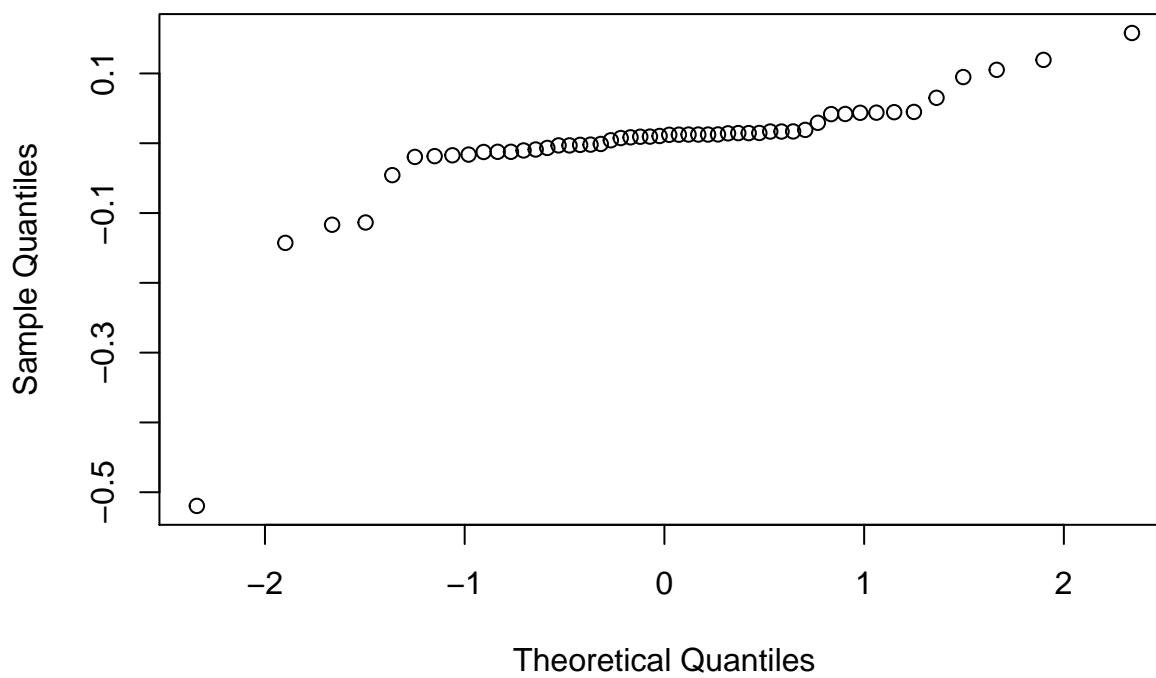
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigdays.since.struc.MRF**  
**Plot of SbPFOAorigEthnicity**



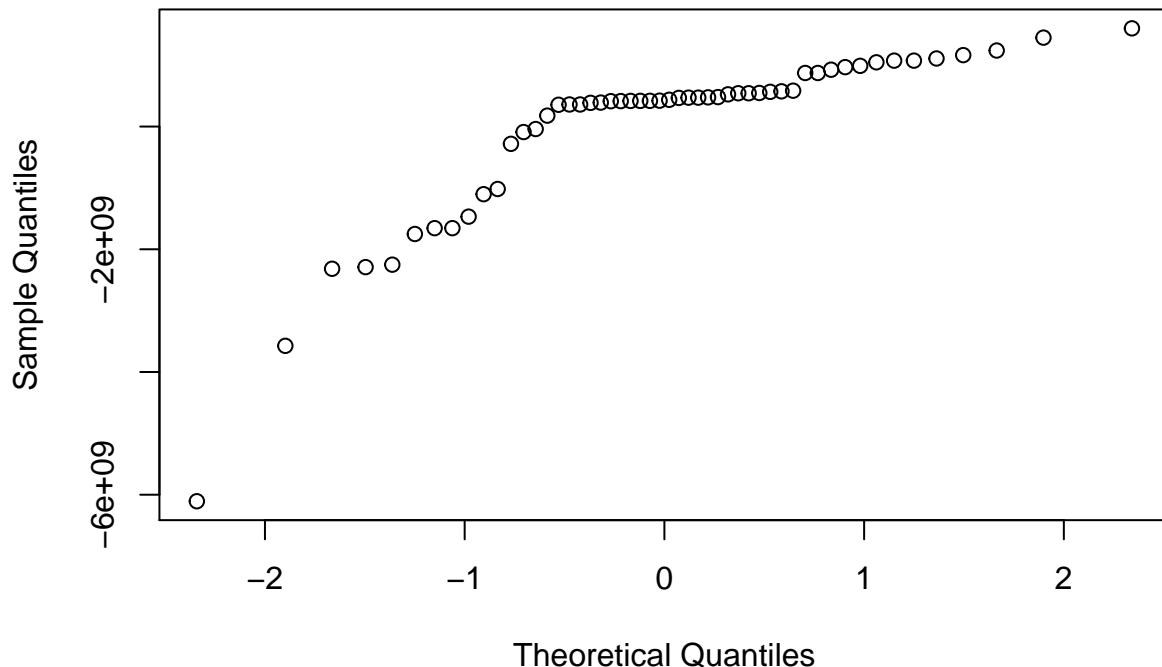
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
Plot of PFOSAtransEthnicity**



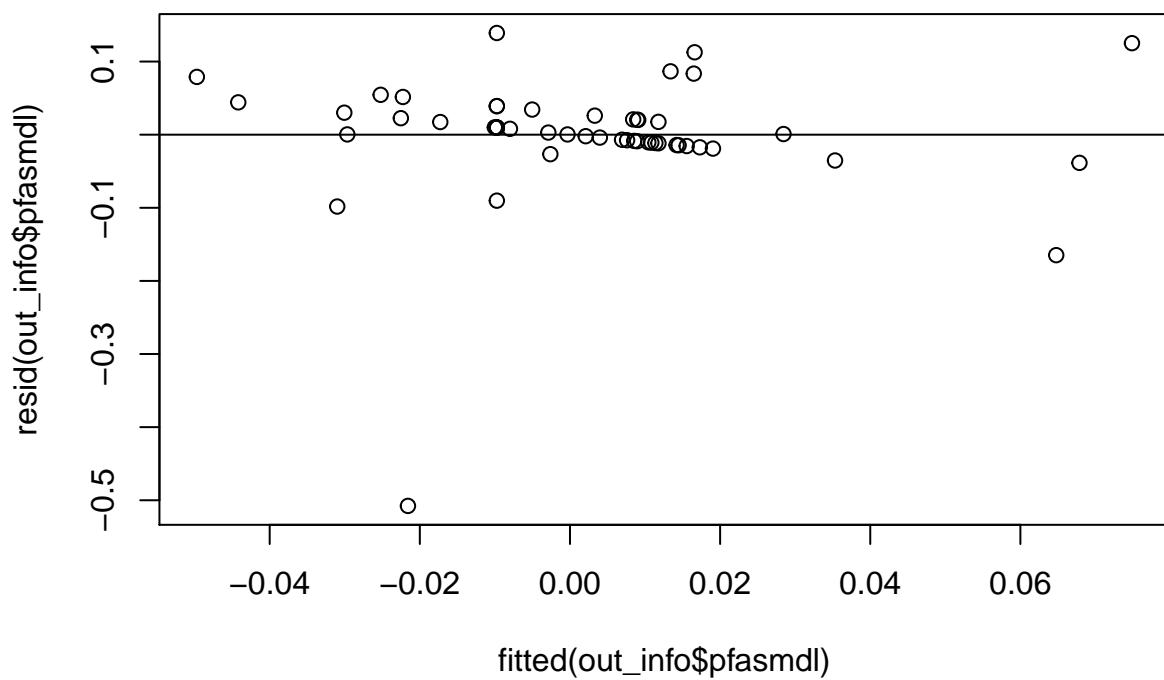
**Normal Q-Q Plot**



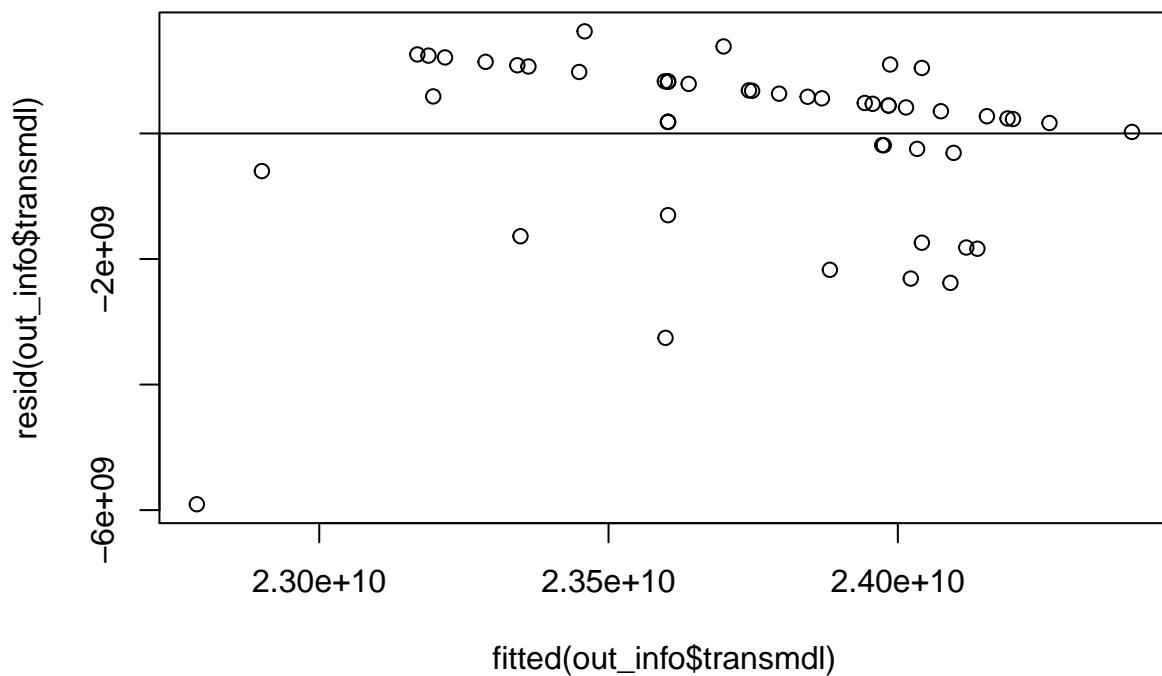
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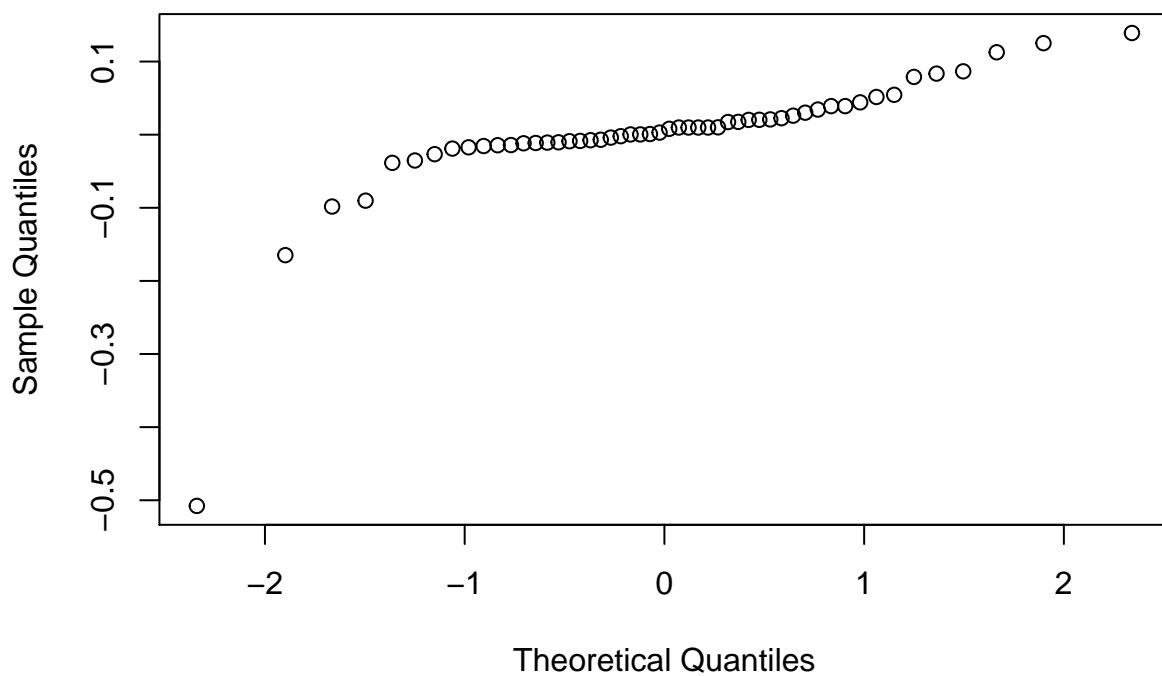
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigtime.since.baseline**  
**Plot of SbPFOAorigEthnicity**



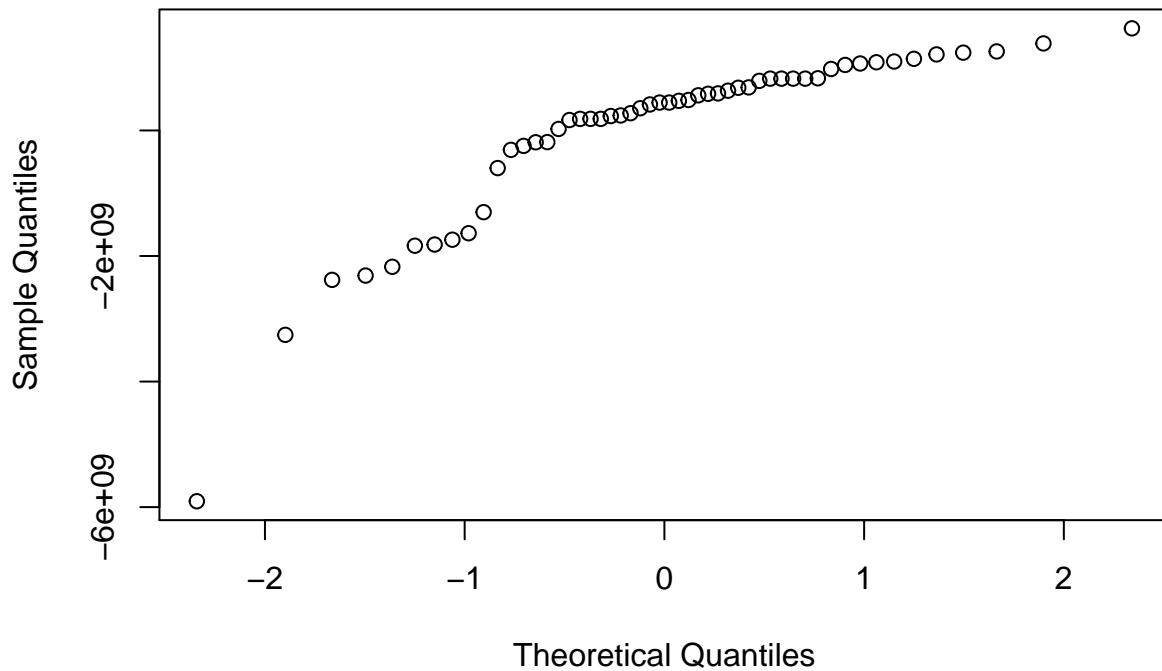
**Plot of PFOSAtrans+  
Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



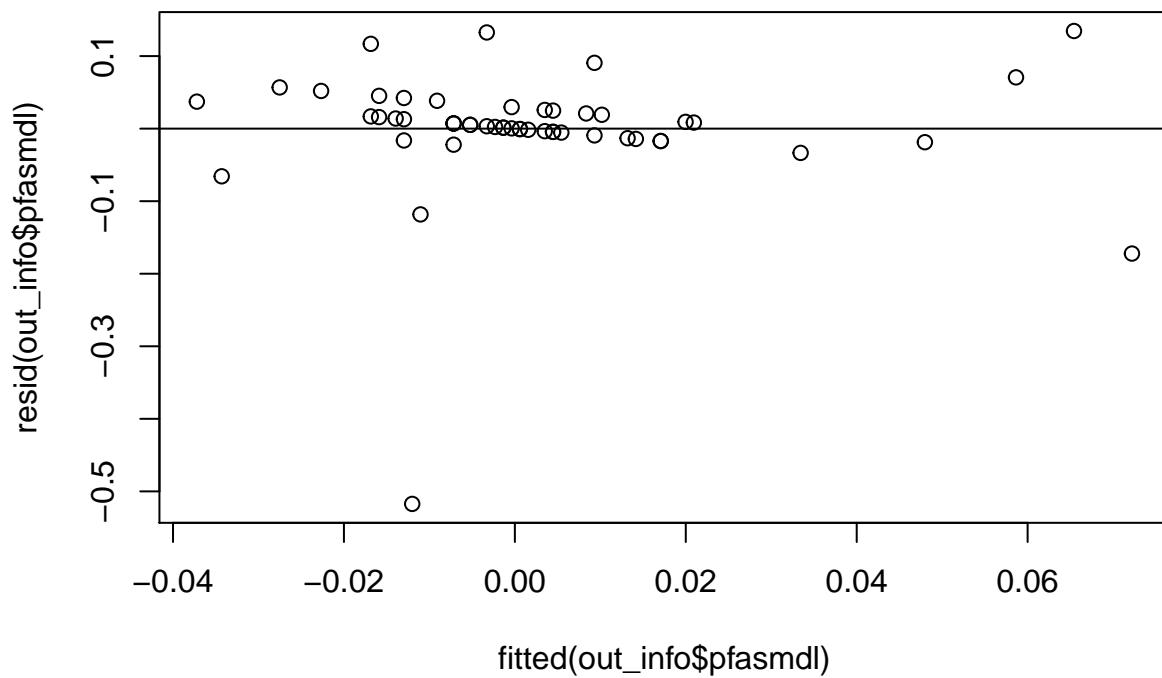
**Normal Q-Q Plot**



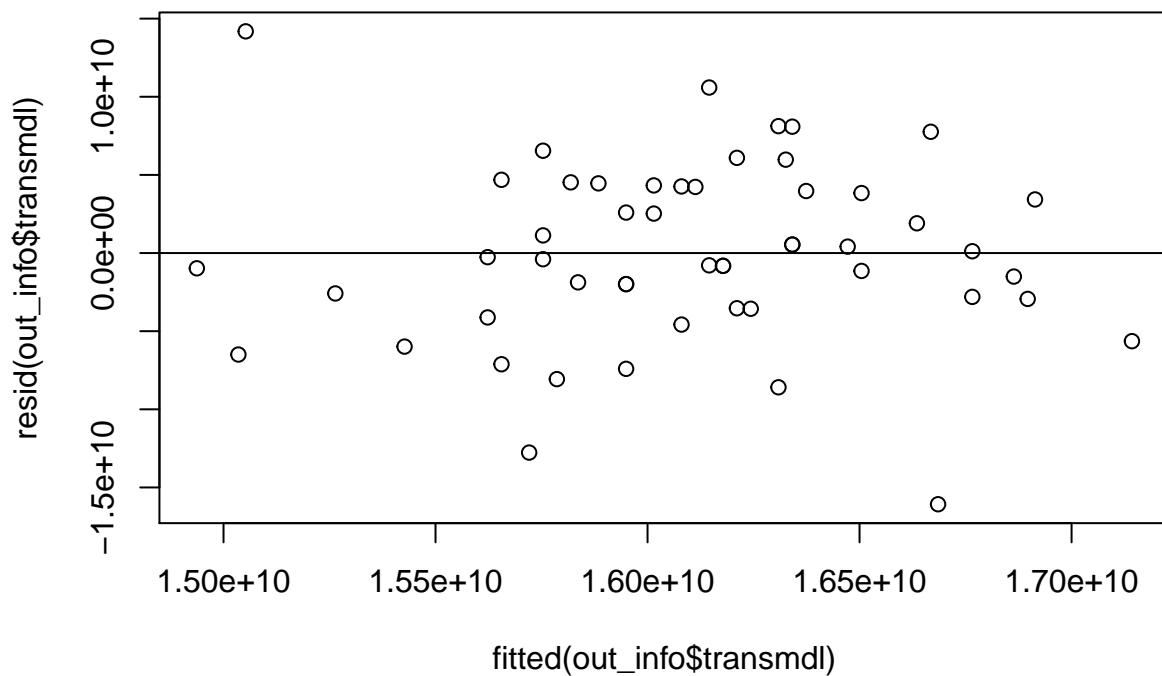
### Normal Q-Q Plot



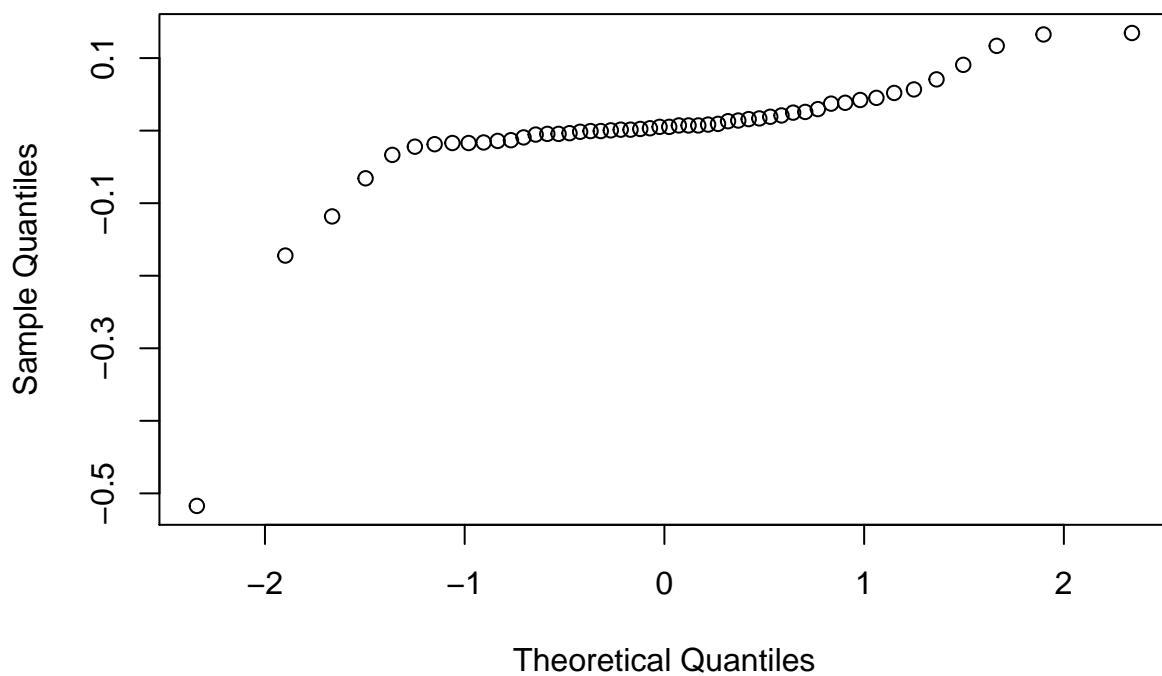
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity**



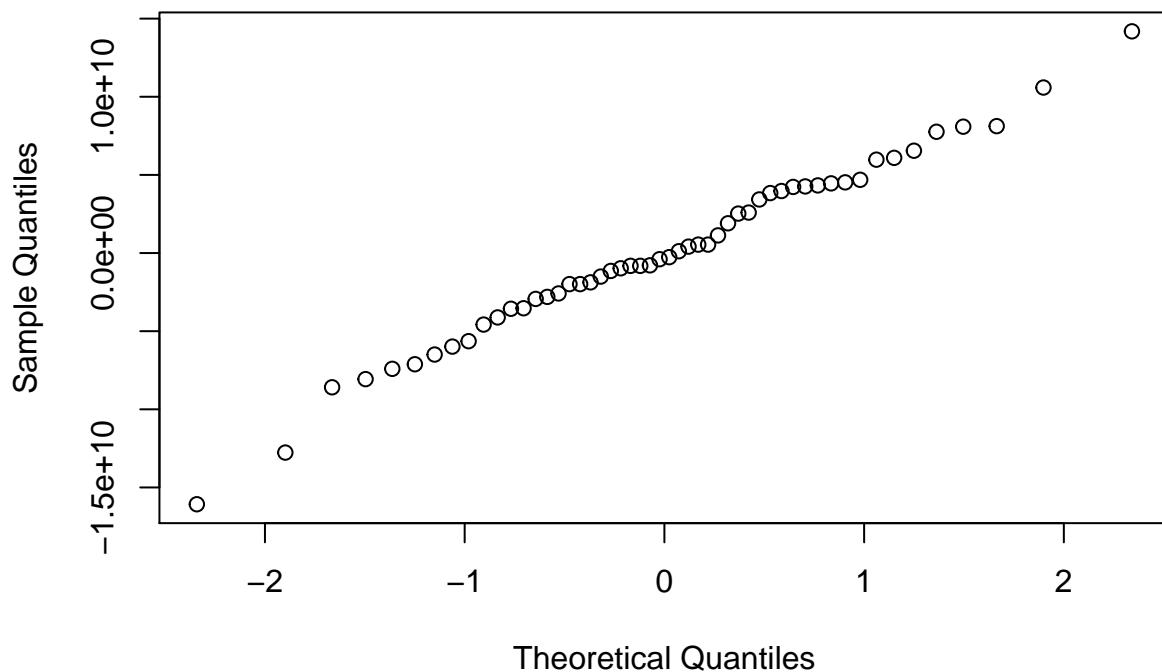
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



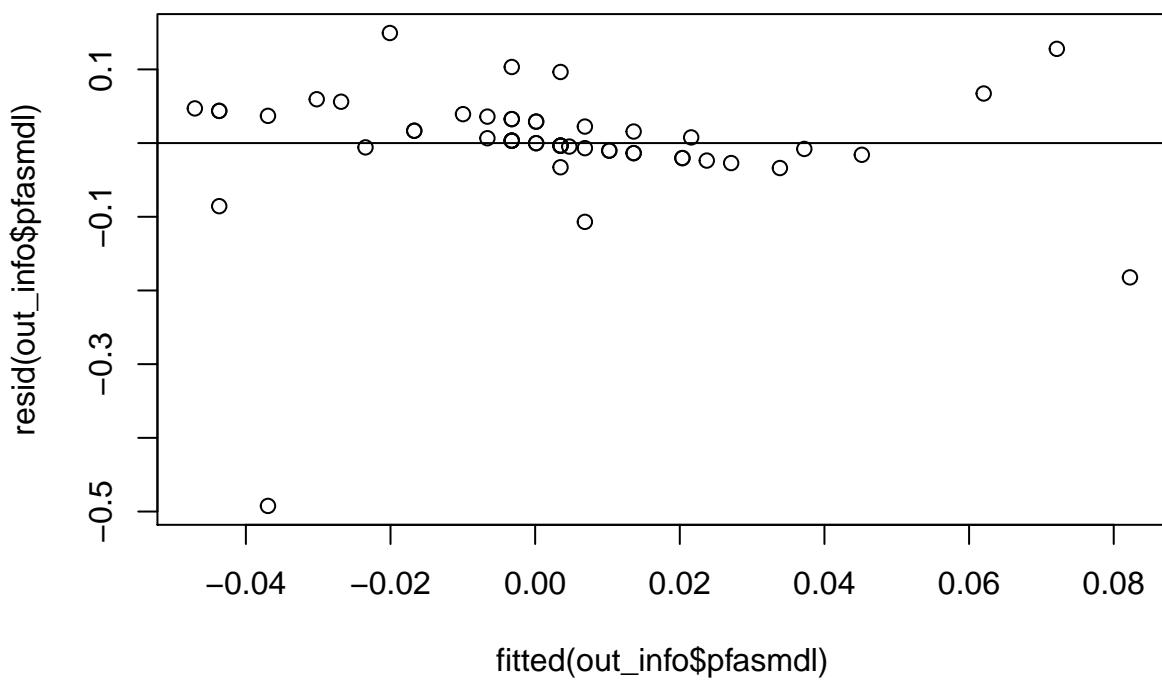
**Normal Q-Q Plot**



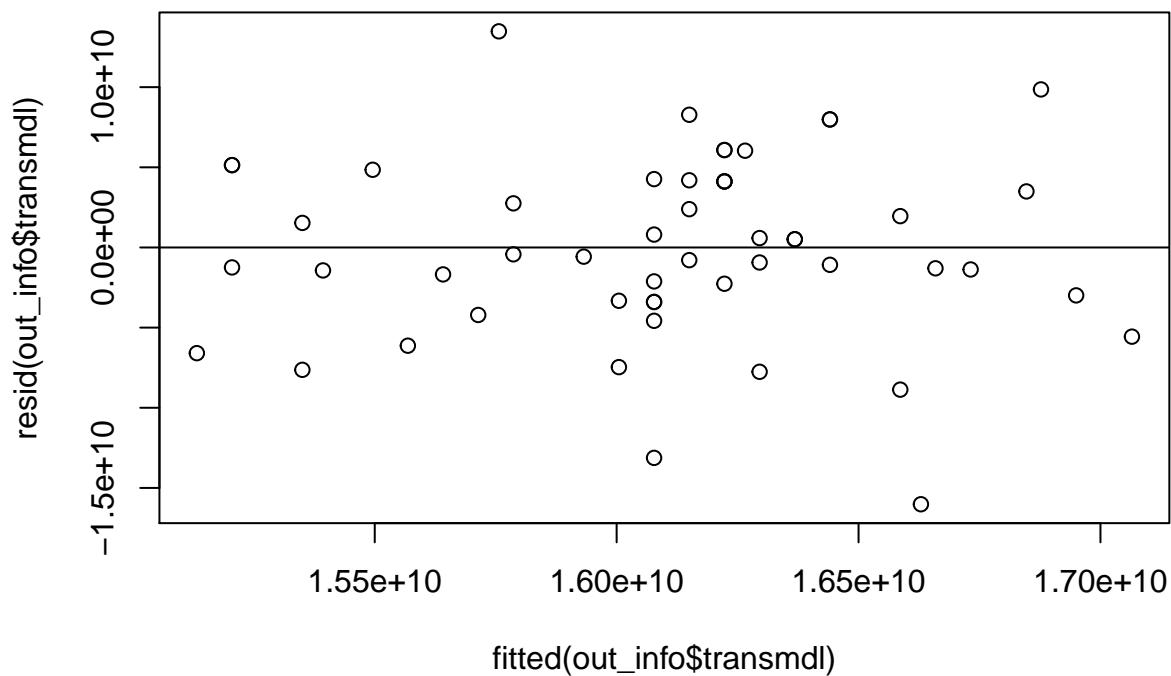
### Normal Q-Q Plot



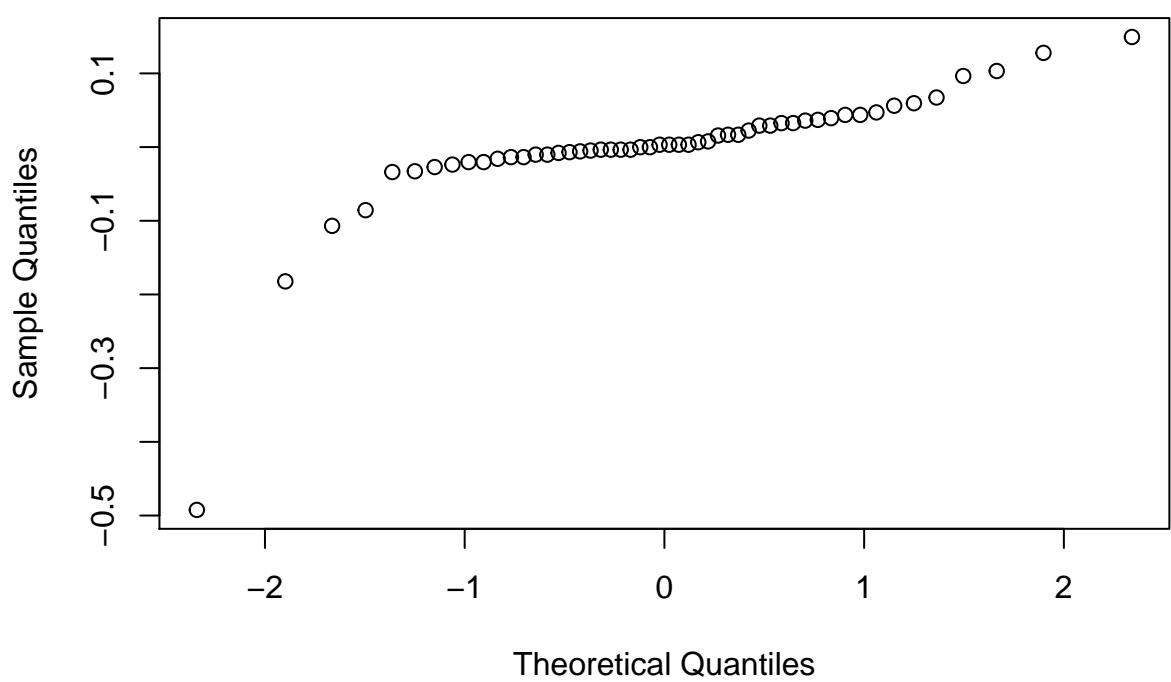
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.num.fireruns  
Plot of SbPFOAorigEthnicity**



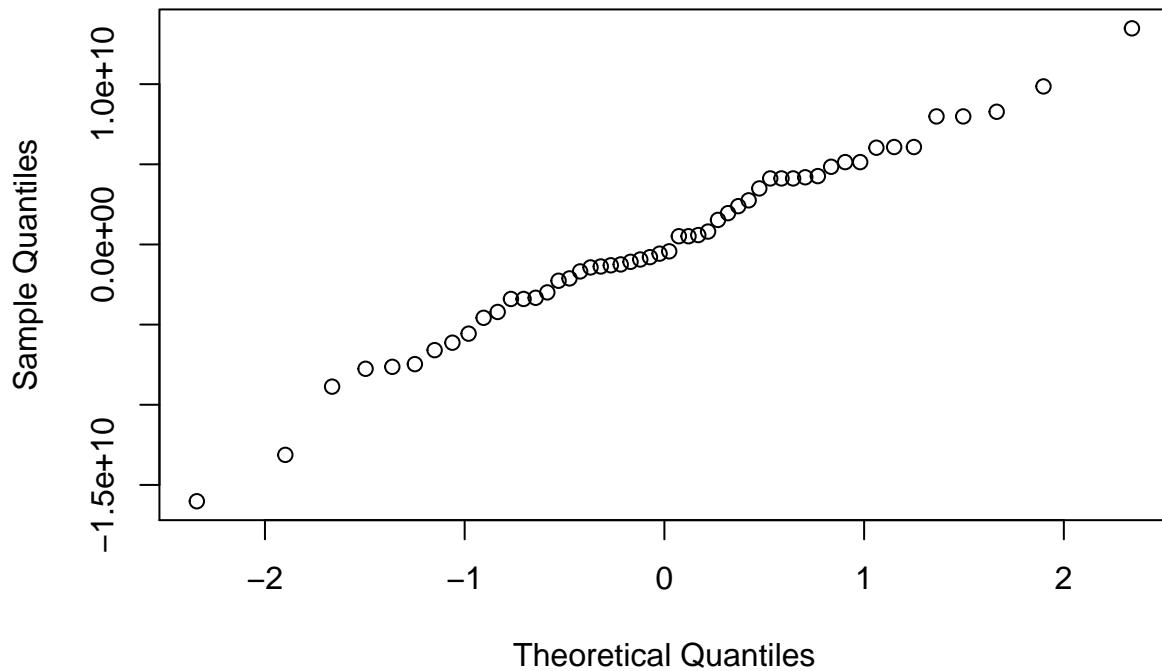
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Plot of fnPFOAtransstr.num.fireruns  
Plot of fnPFOAtransEthnicity**



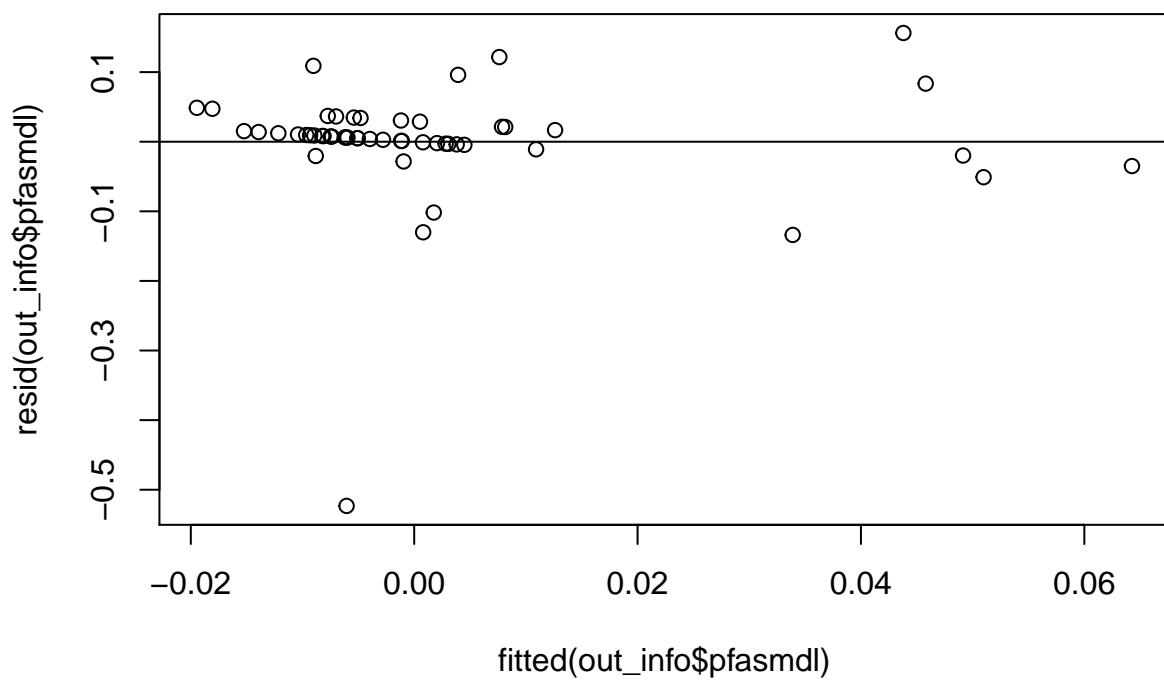
**Normal Q-Q Plot**



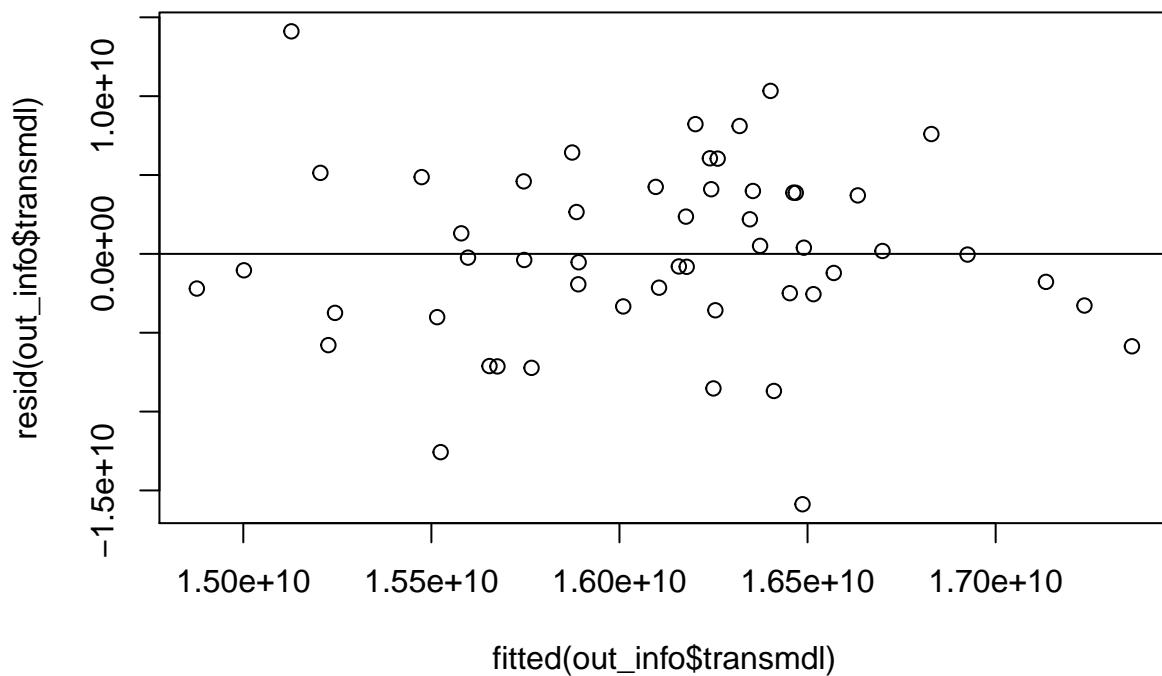
### Normal Q-Q Plot



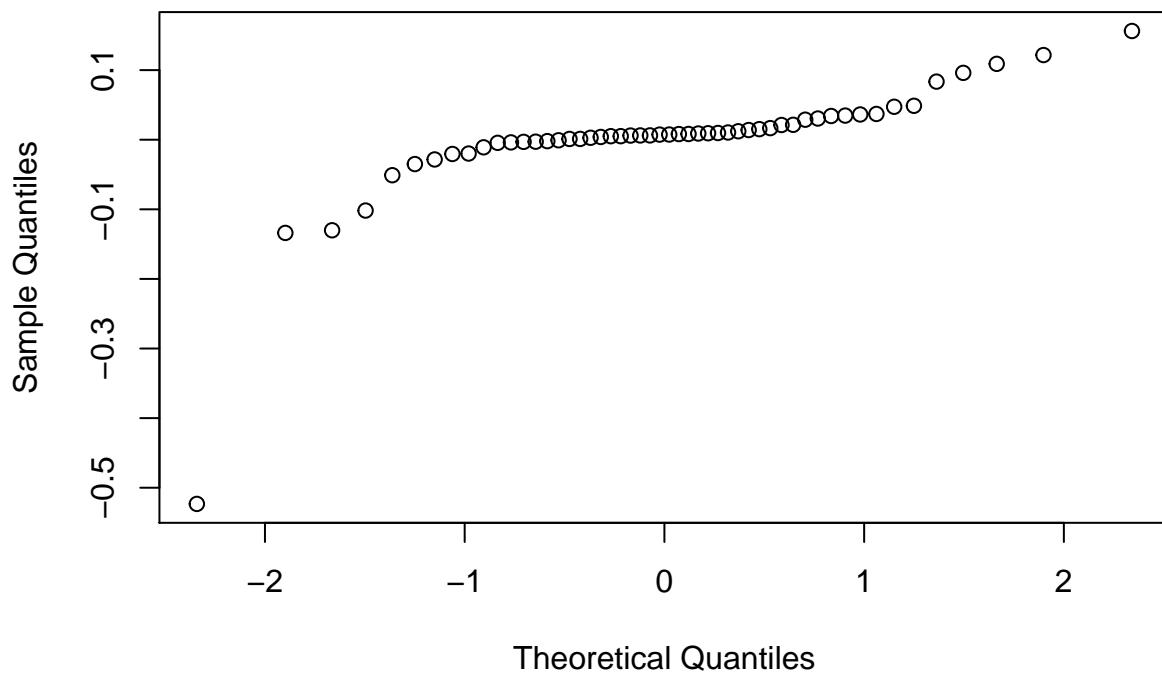
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.duration.hrs  
Plot of SbPFOAorigEthnicity**



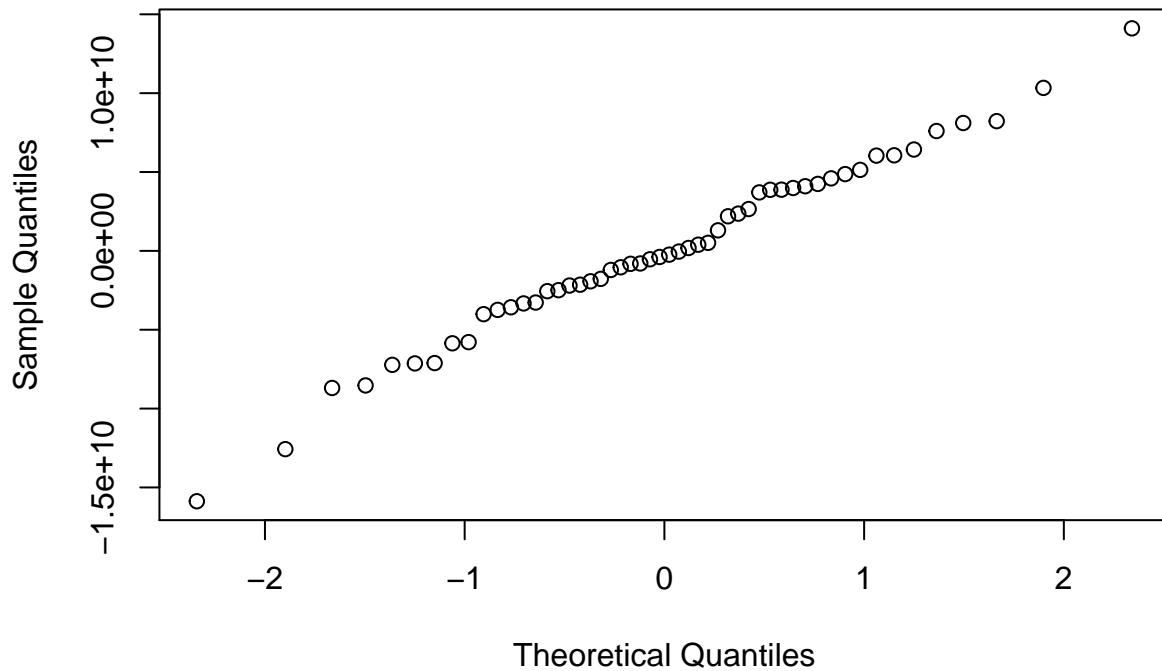
**Plot of nPFOAtrans+  
Plot of nPFOAtranstotal.duration.hrs  
Plot of nPFOAtransEthnicity**



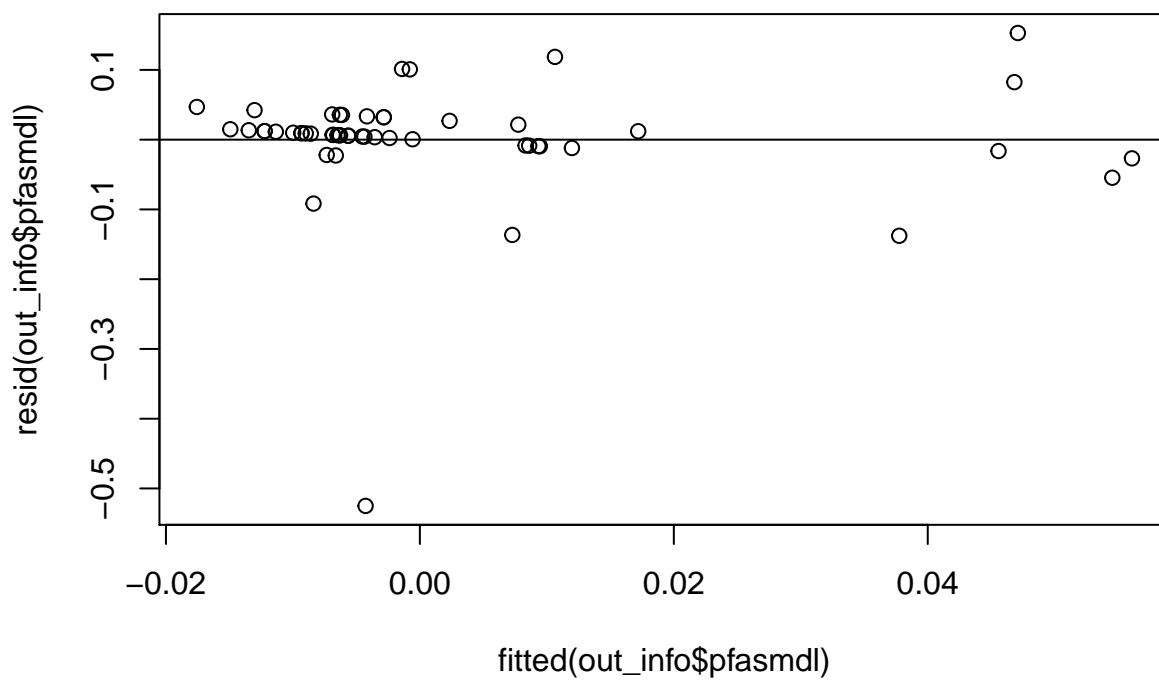
**Normal Q-Q Plot**



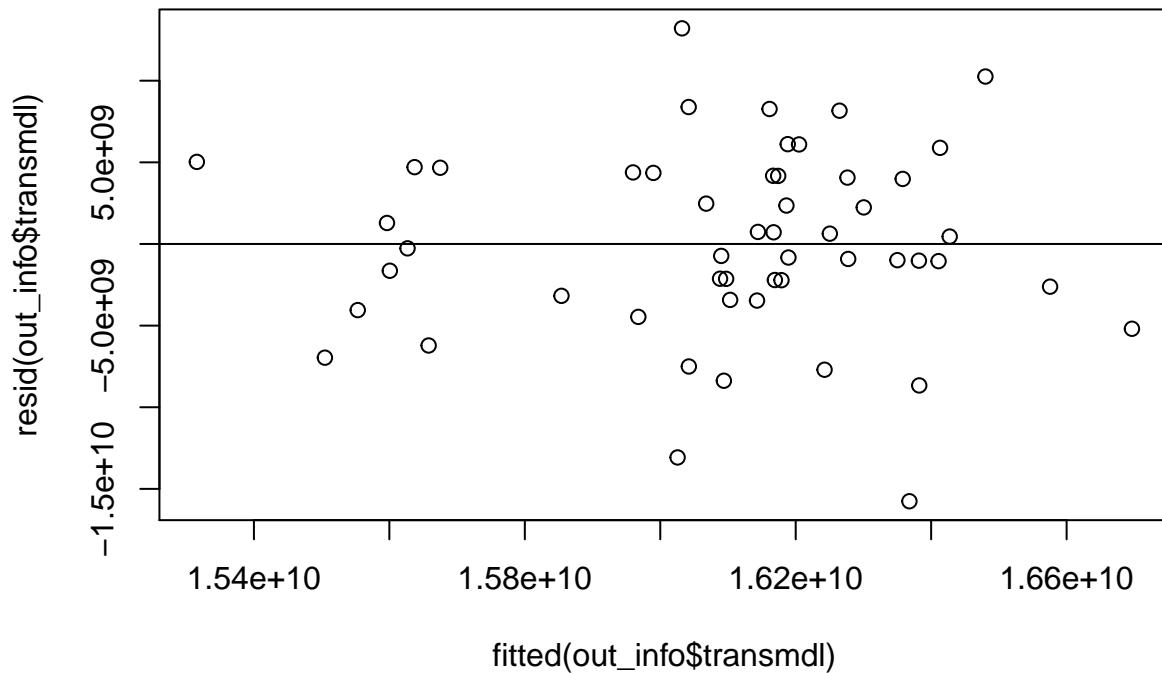
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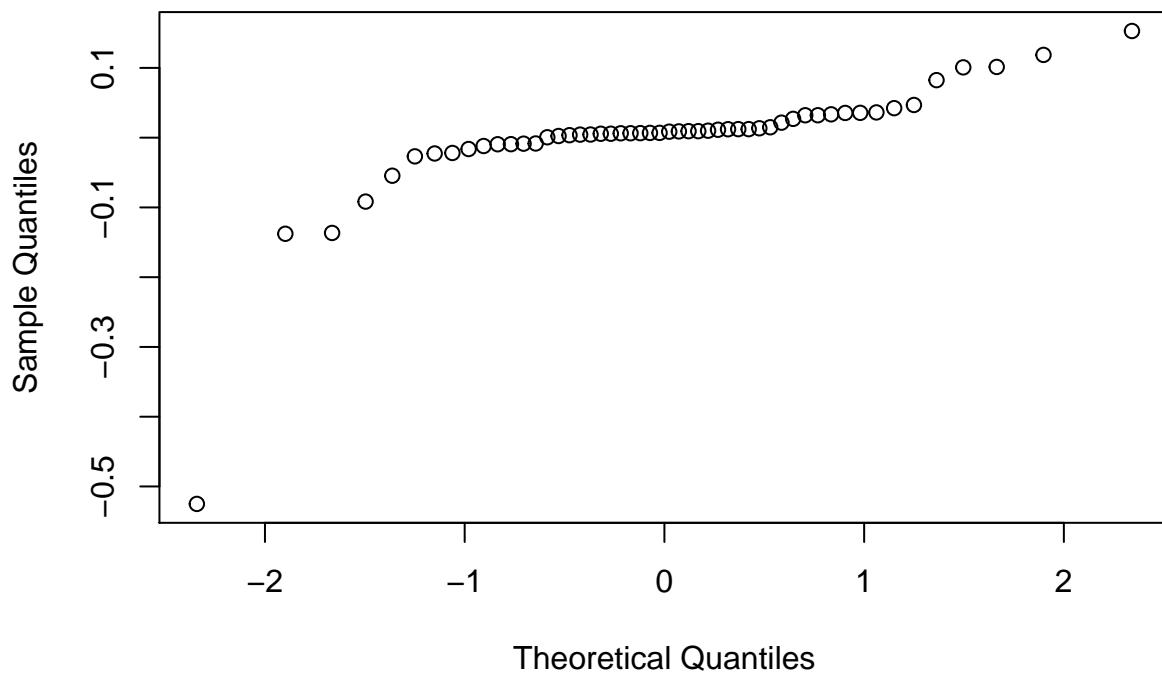
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.duration.hrs  
Plot of SbPFOAorigEthnicity**



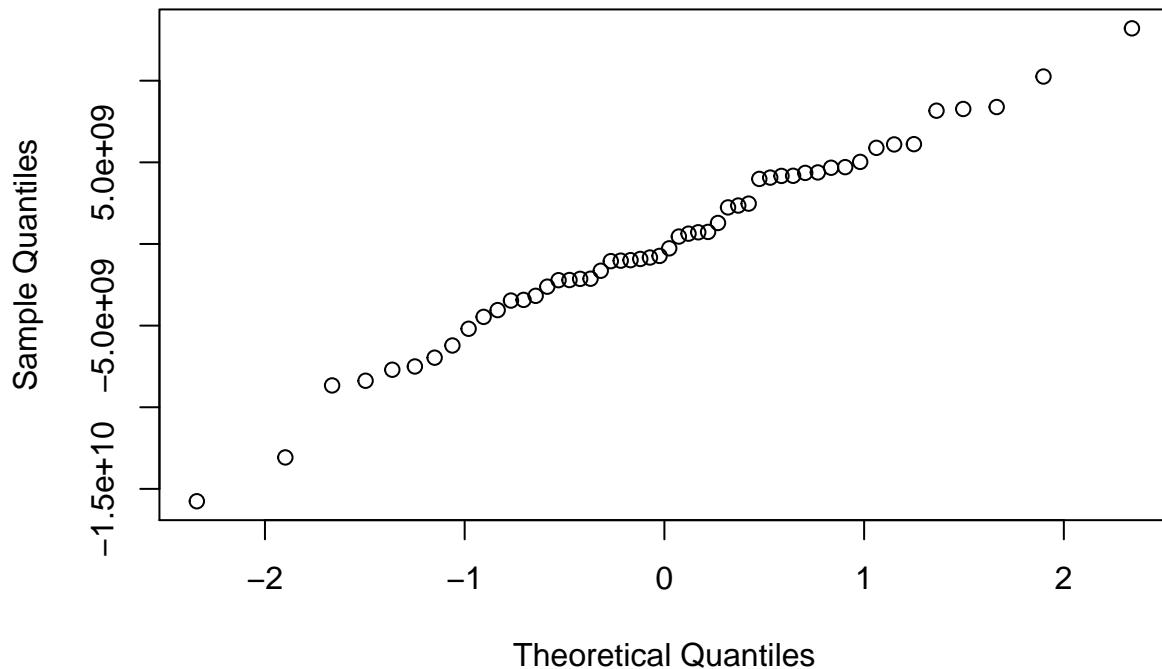
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransstr.duration.hrs  
Plot of fnPFOAtransEthnicity**



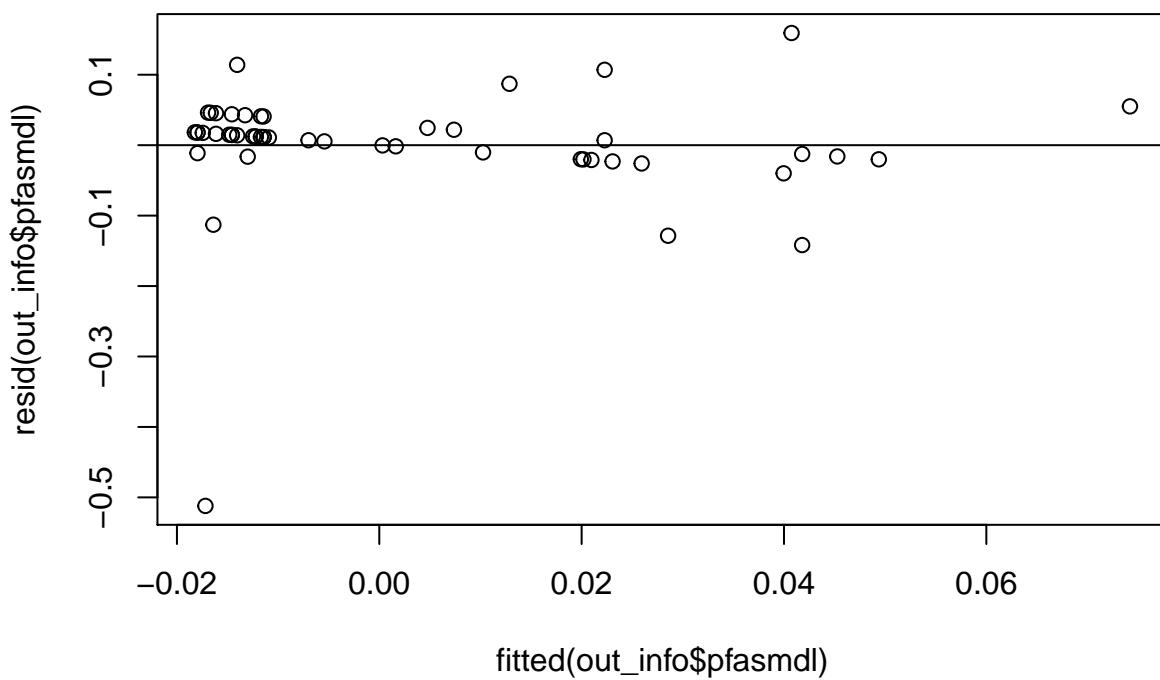
**Normal Q-Q Plot**



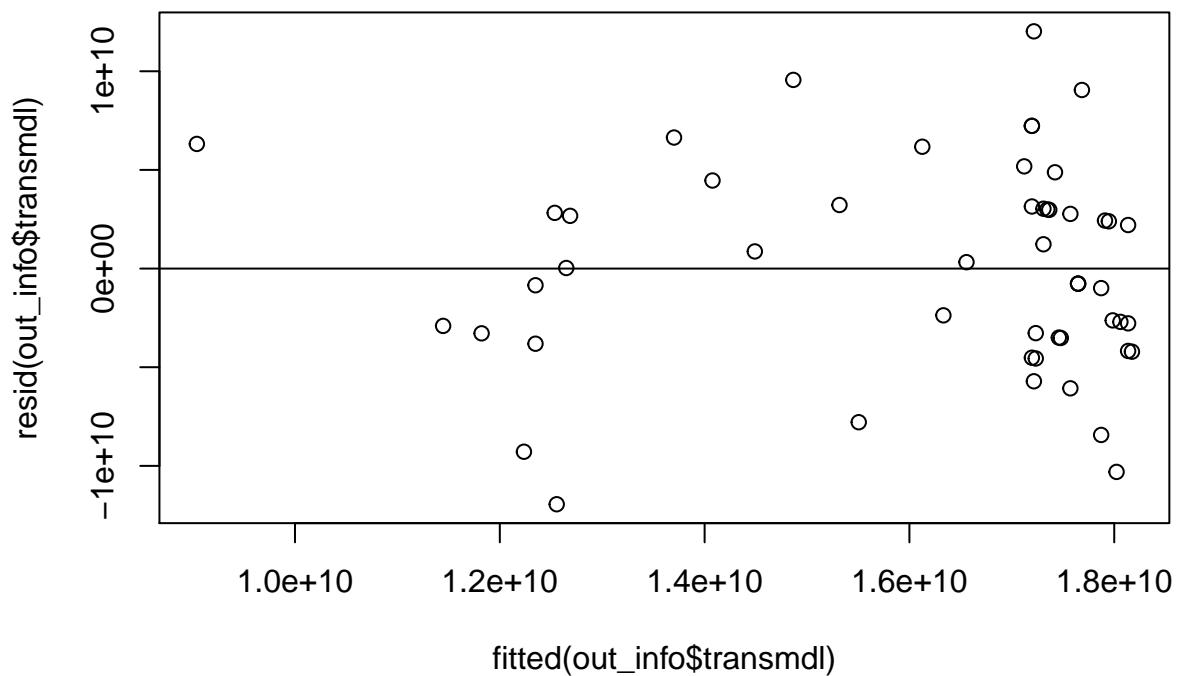
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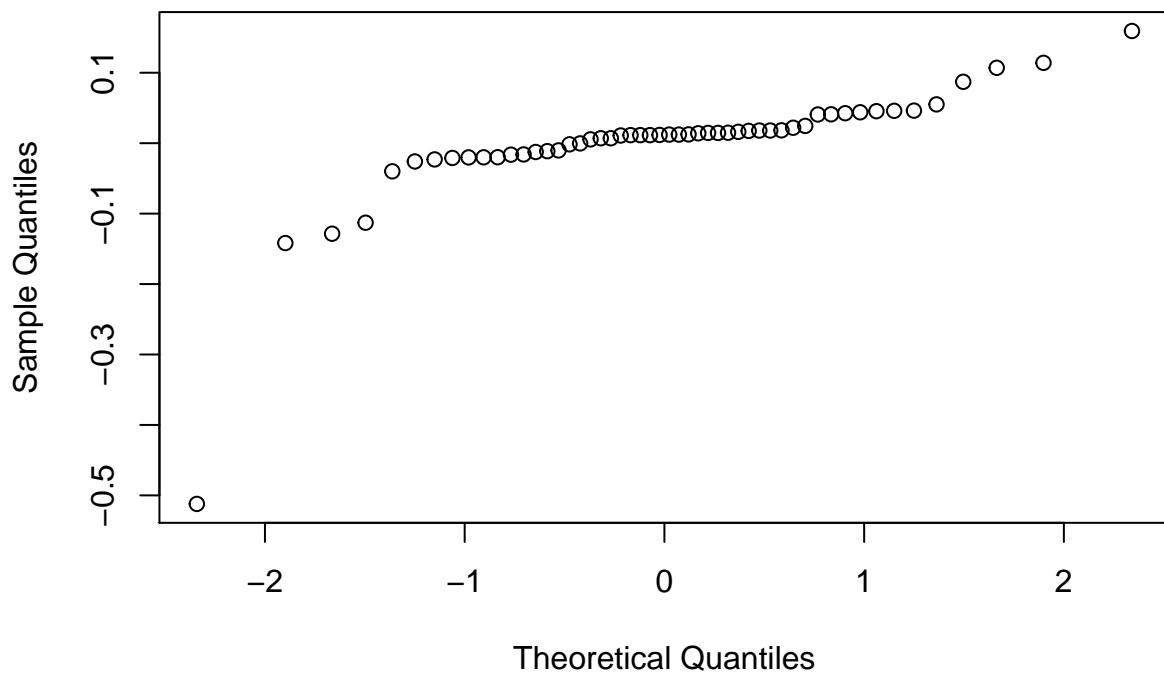
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigdays.since.MRF**  
**Plot of SbPFOAorigEthnicity**



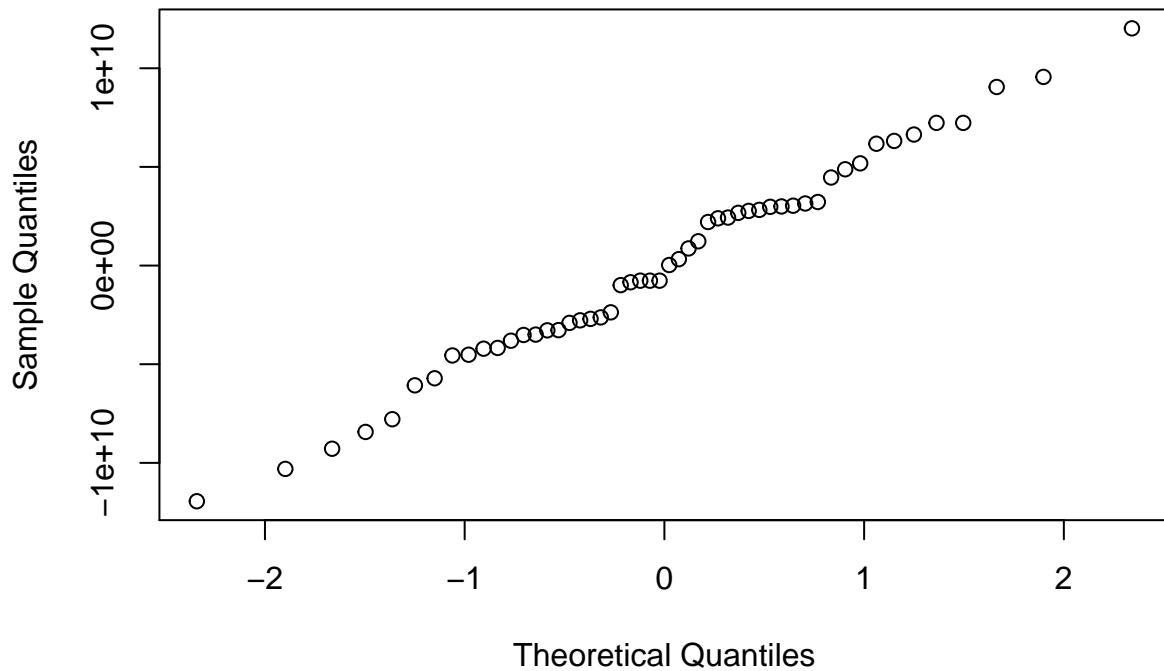
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.MRF  
Plot of fnPFOAtransEthnicity**



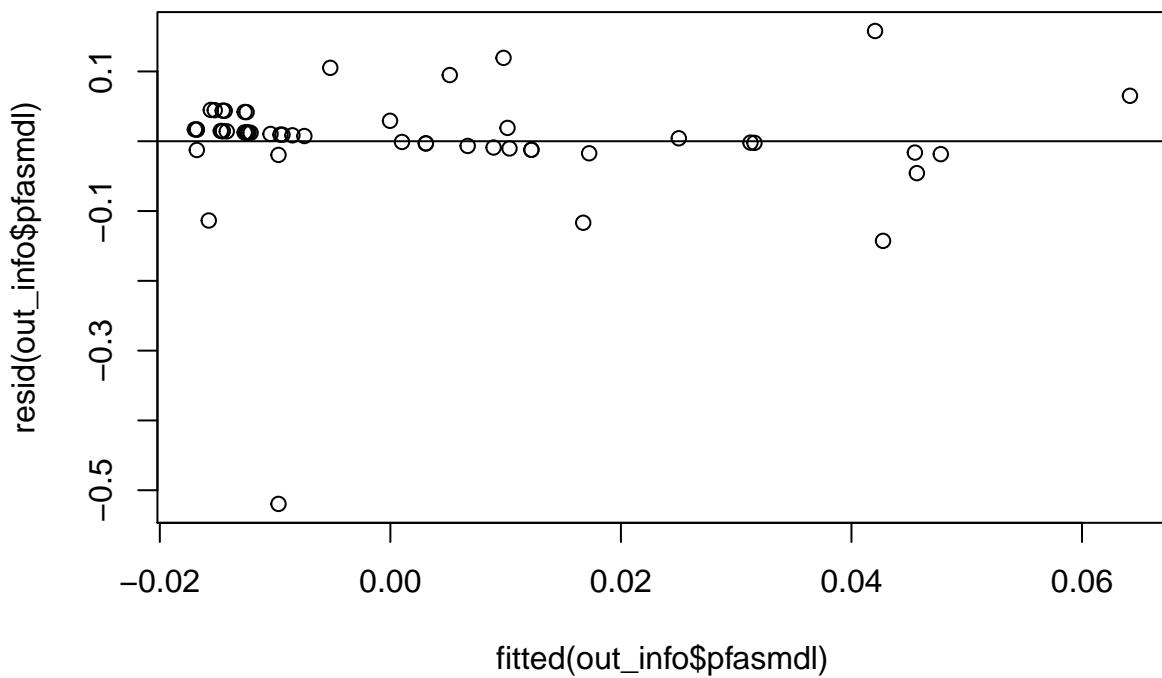
**Normal Q-Q Plot**



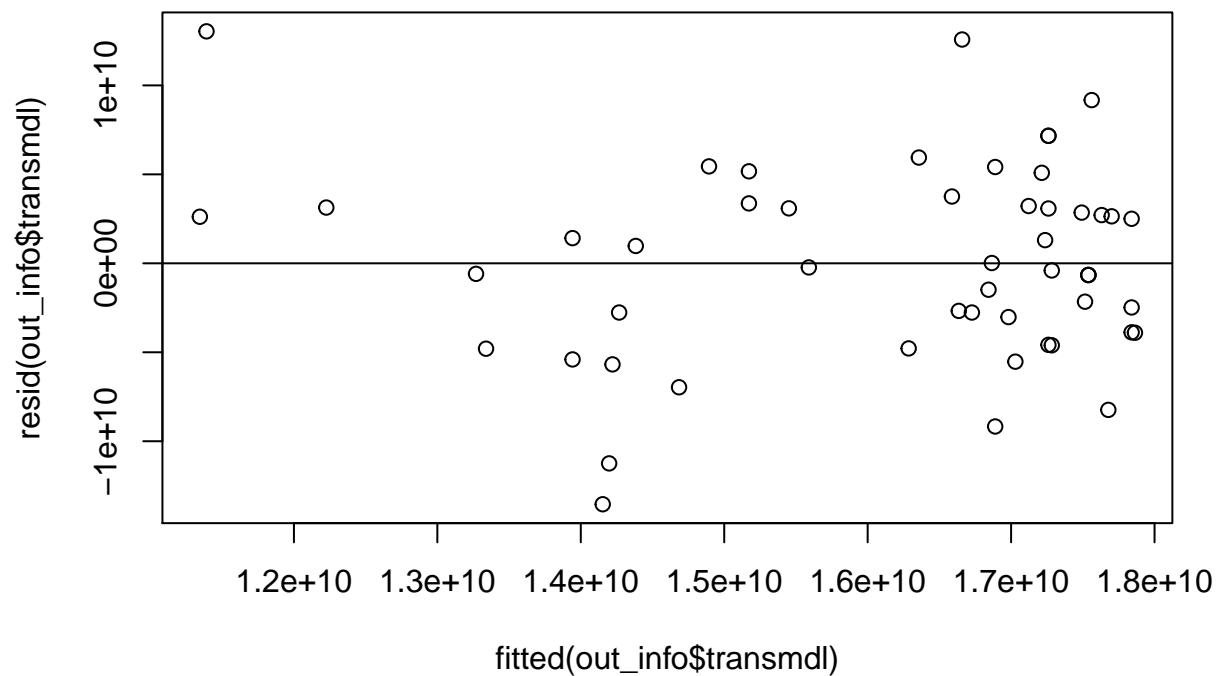
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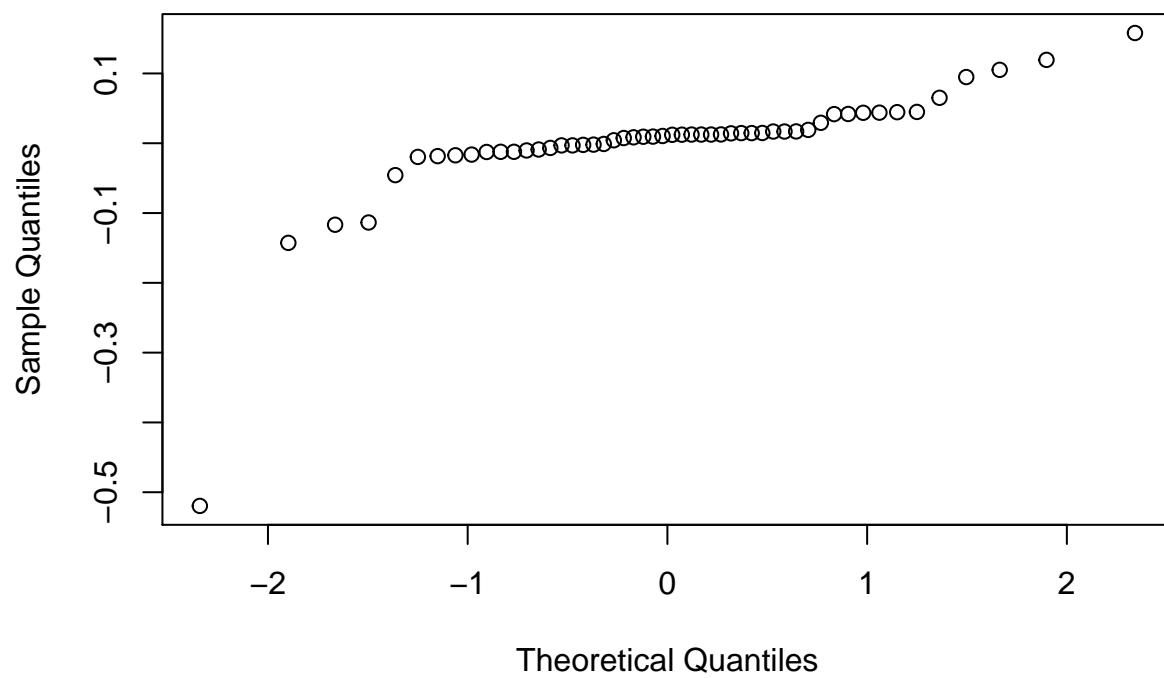
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigdays.since.struc.MRF**  
**Plot of SbPFOAorigEthnicity**



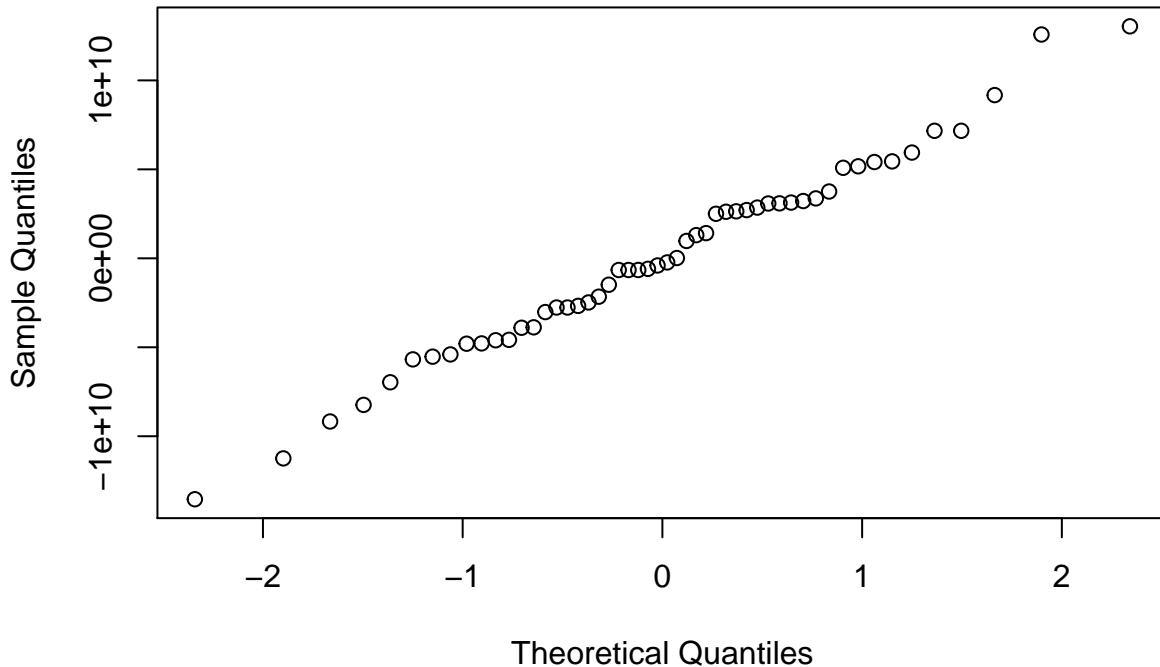
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.struc.MRF  
Plot of fnPFOAtransEthnicity**



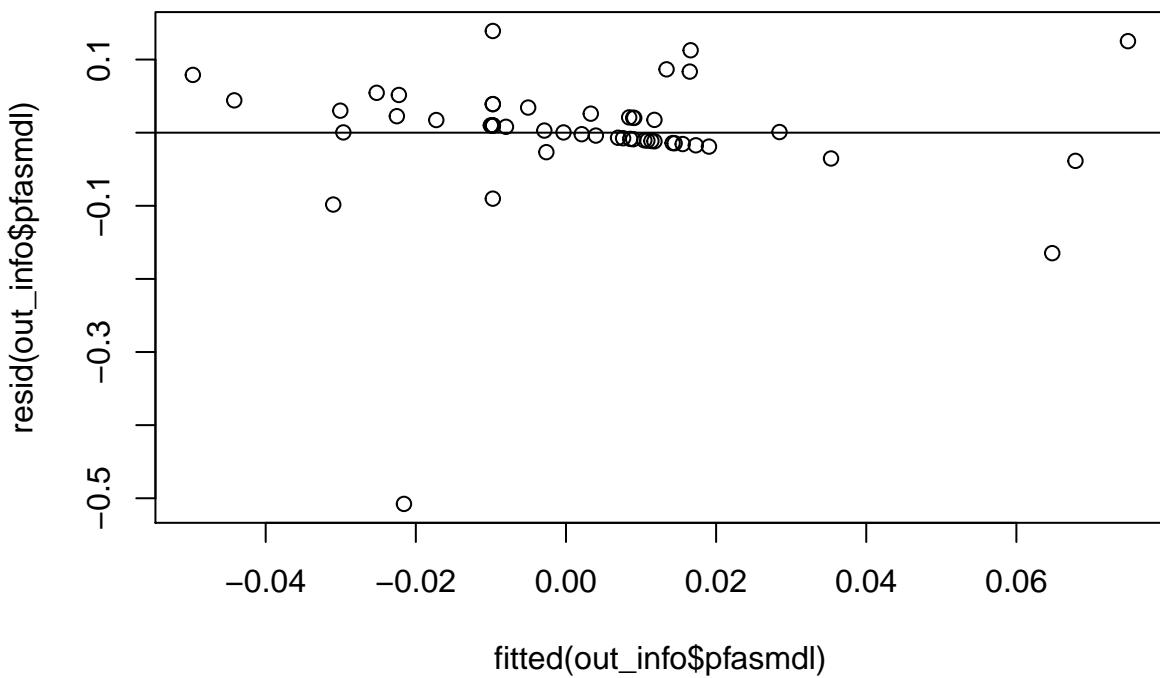
**Normal Q-Q Plot**



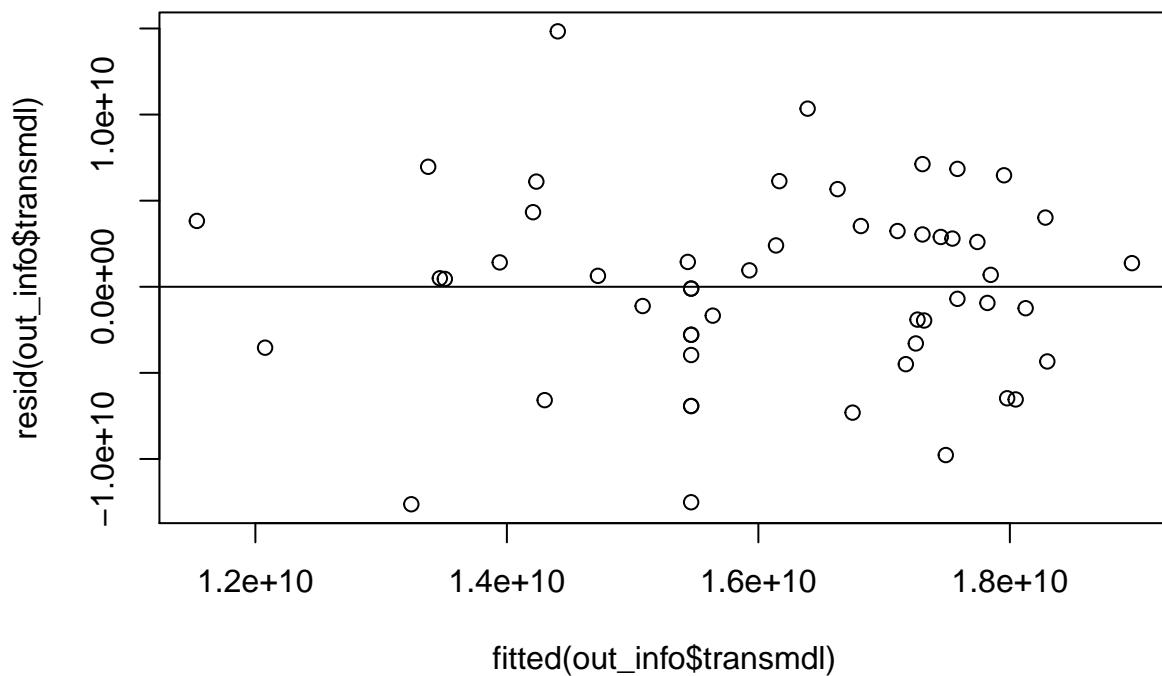
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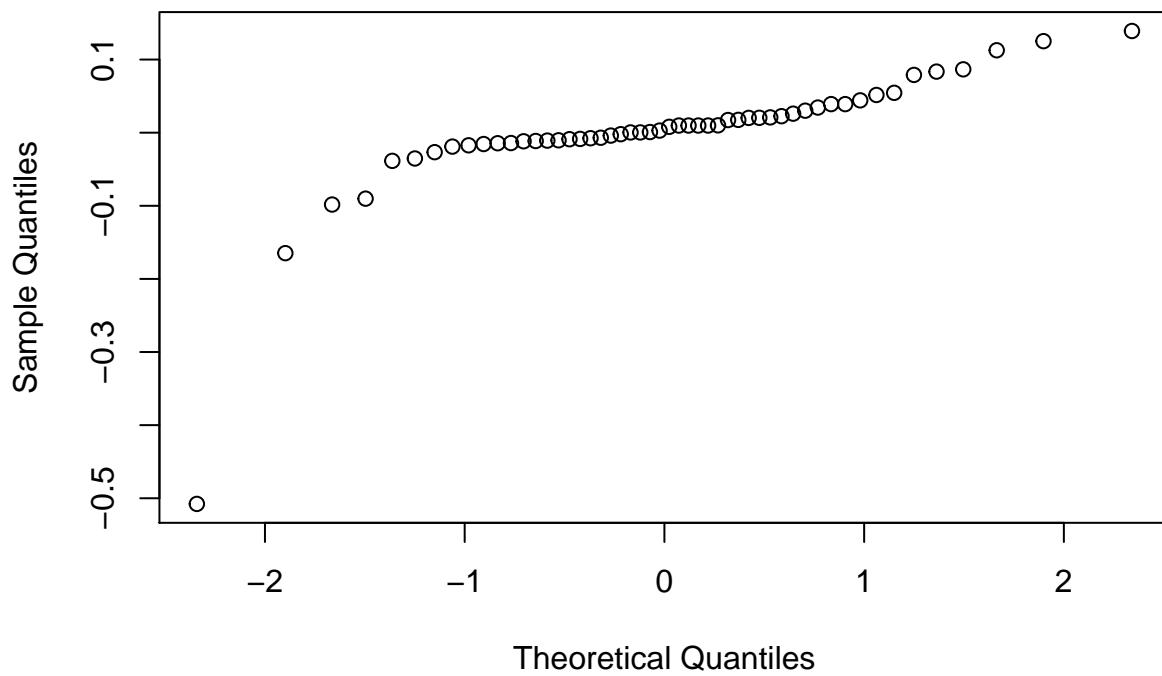
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigtime.since.baseline**  
**Plot of SbPFOAorigEthnicity**



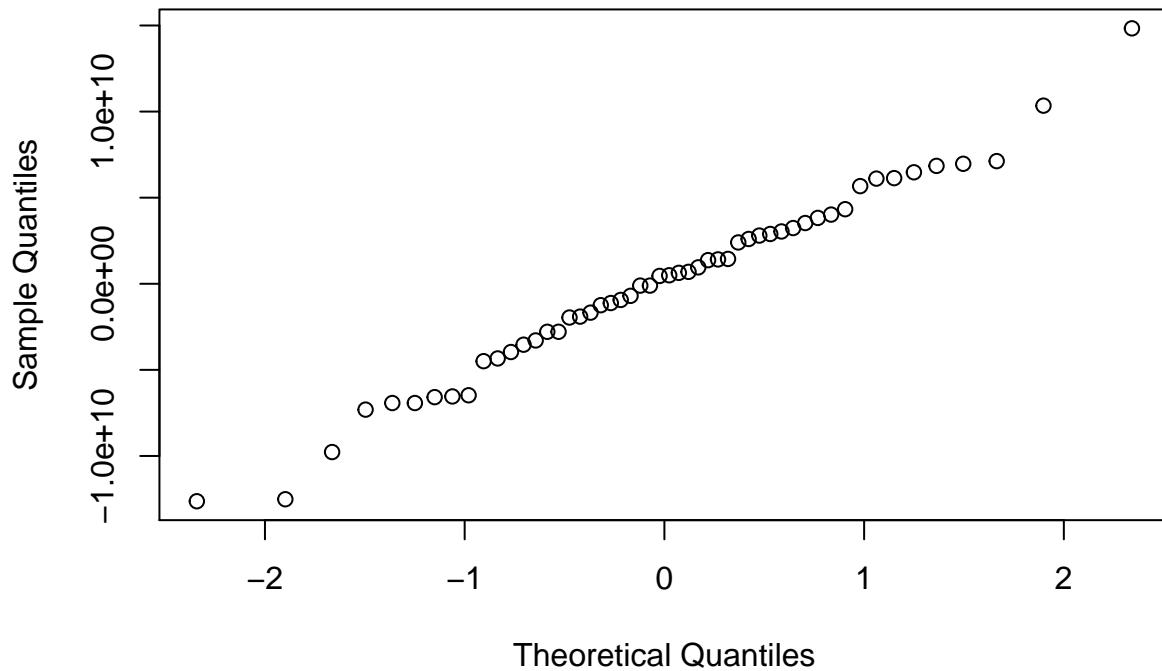
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Plot of fnPFOAtranstime.since.baseline  
Plot of fnPFOAtransEthnicity**



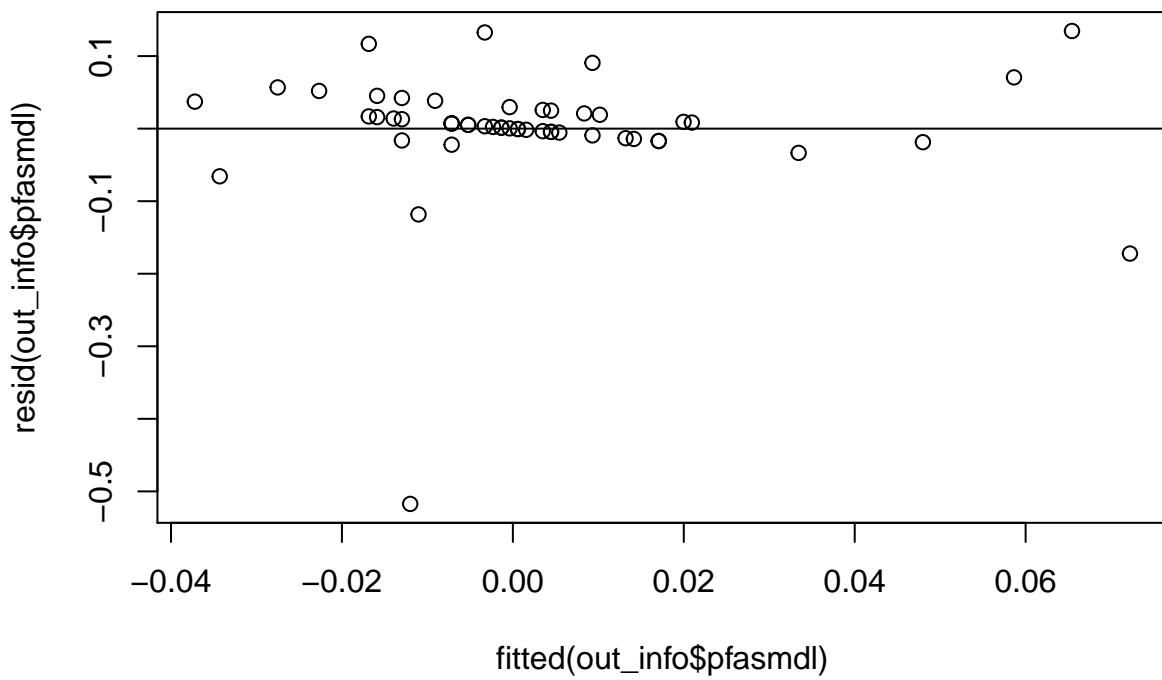
**Normal Q-Q Plot**



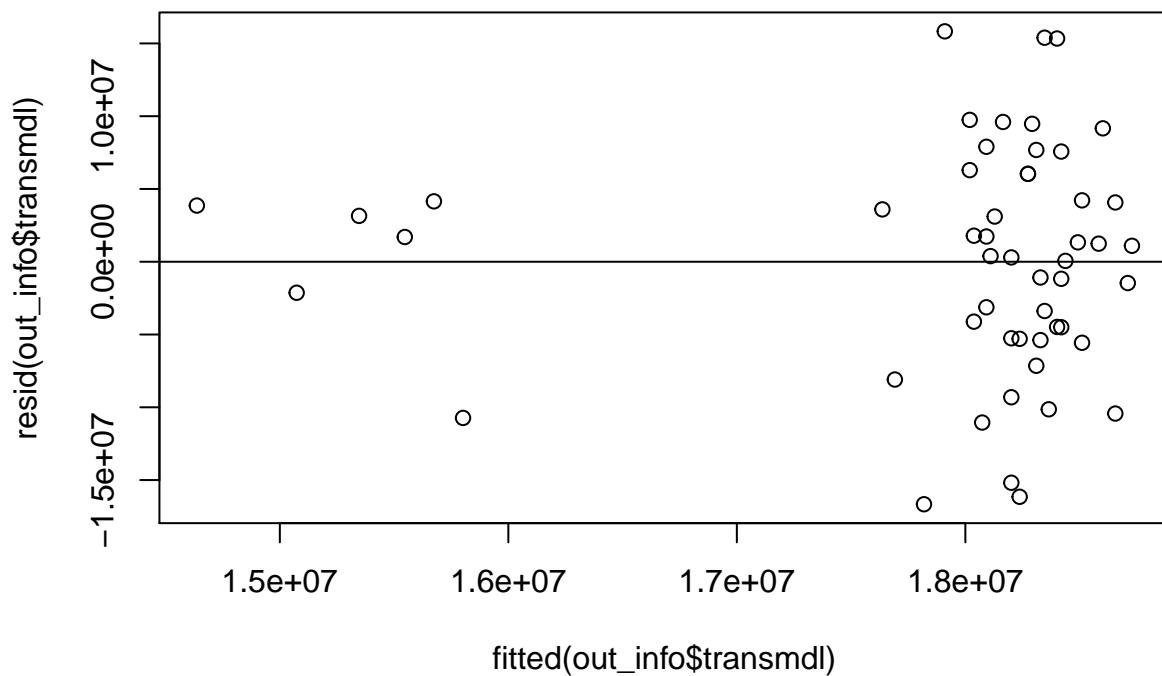
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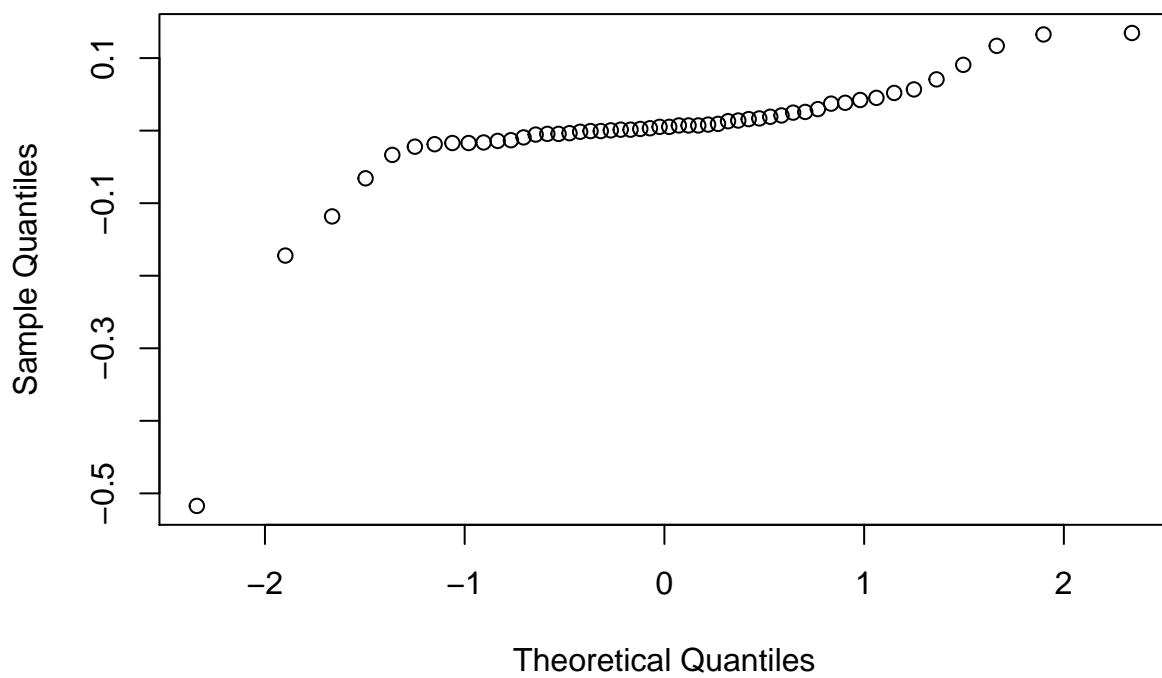
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity**



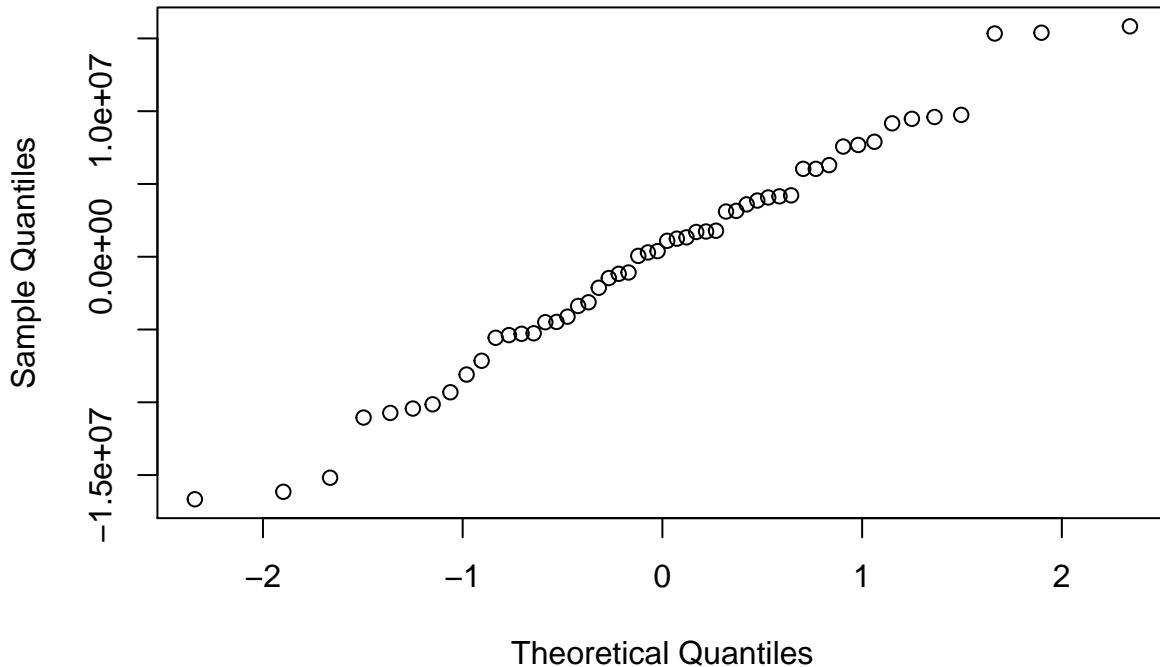
**Plot of fnPFOStrans+  
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Plot of fnPFOStransEthnicity**



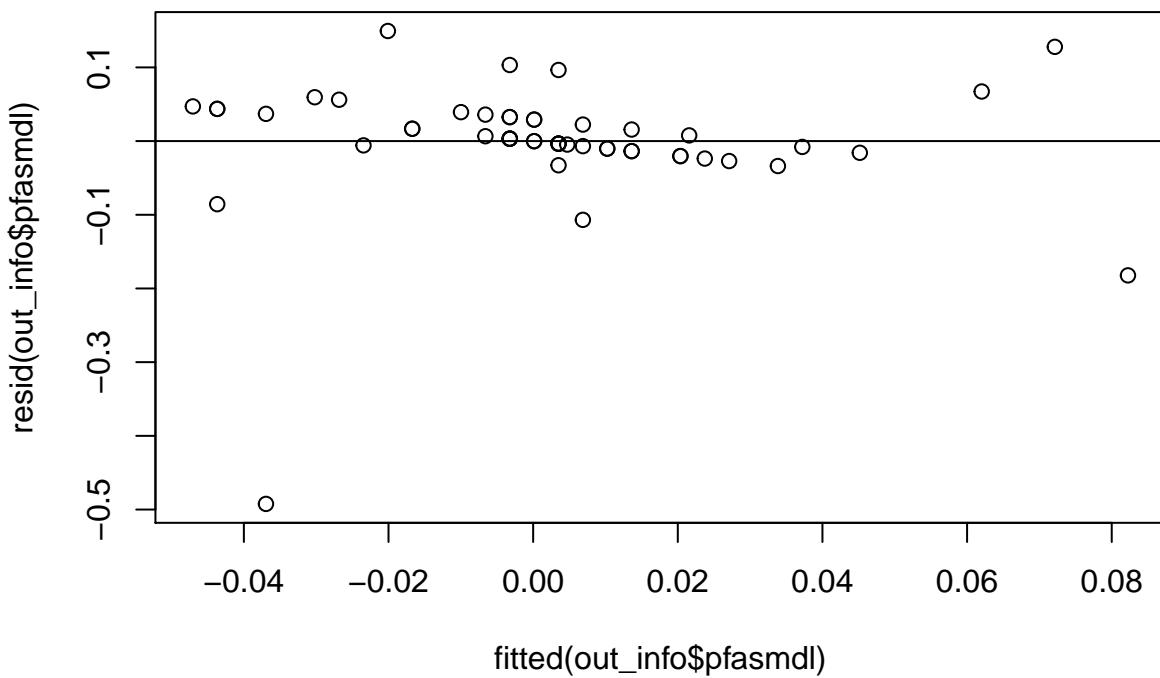
**Normal Q-Q Plot**



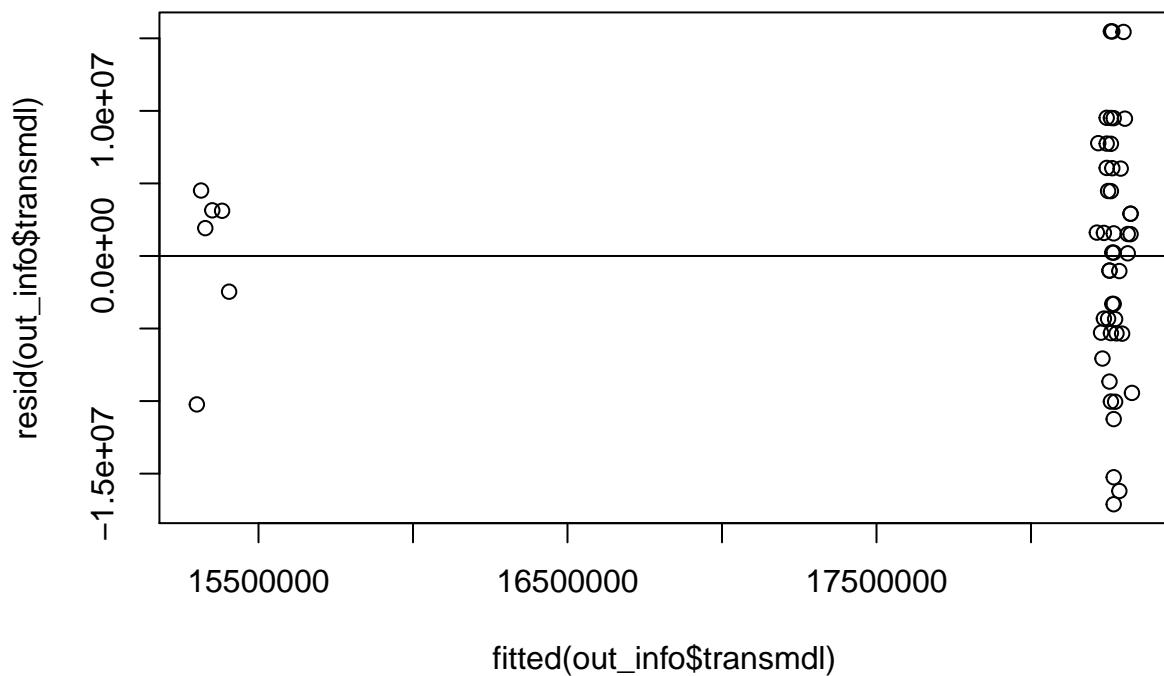
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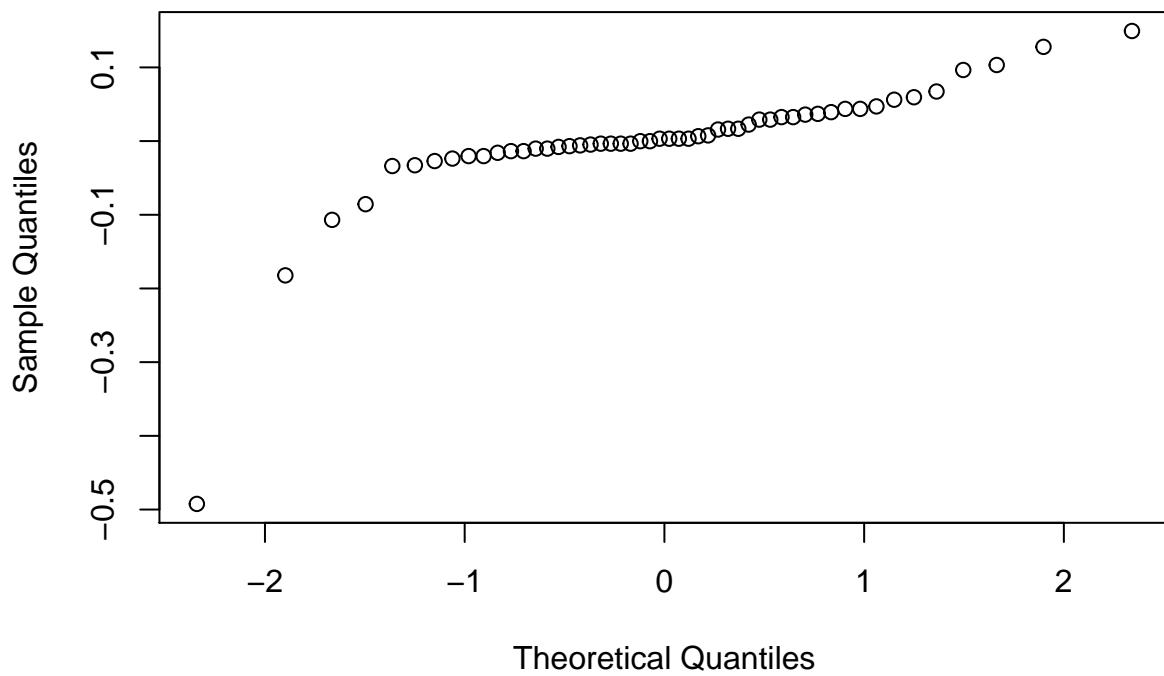
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Plot of SbPFOAorigEthnicity**



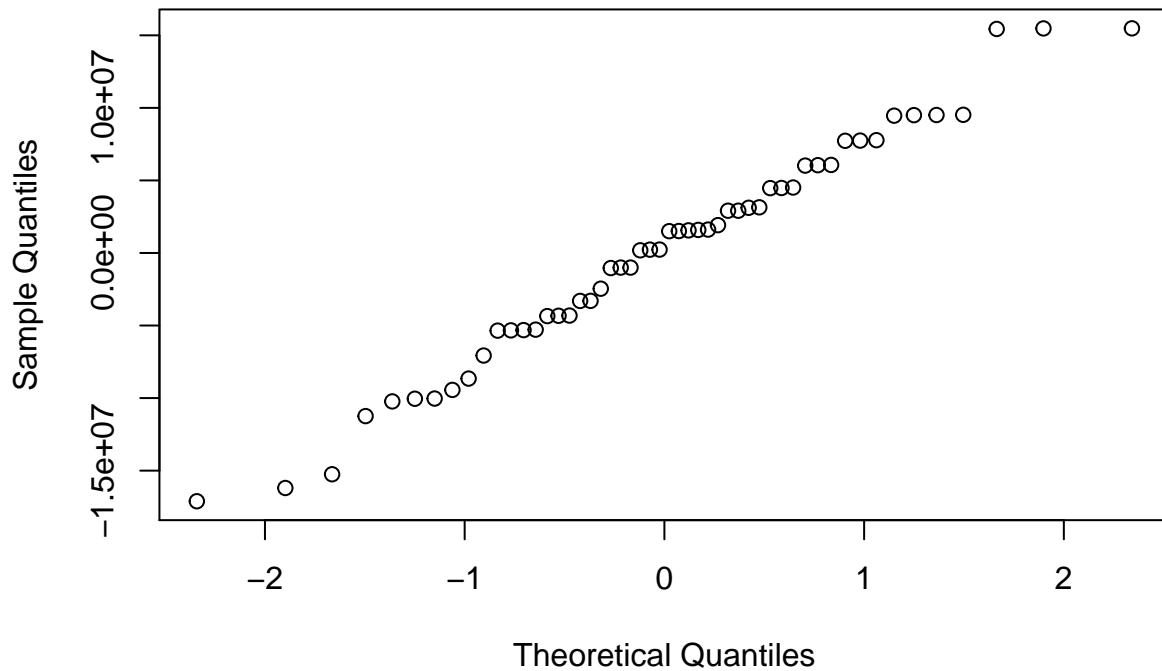
**Plot of fnPFOStrans+  
Plot of fnPFOStransstr.num.fireruns  
Plot of fnPFOStransEthnicity**



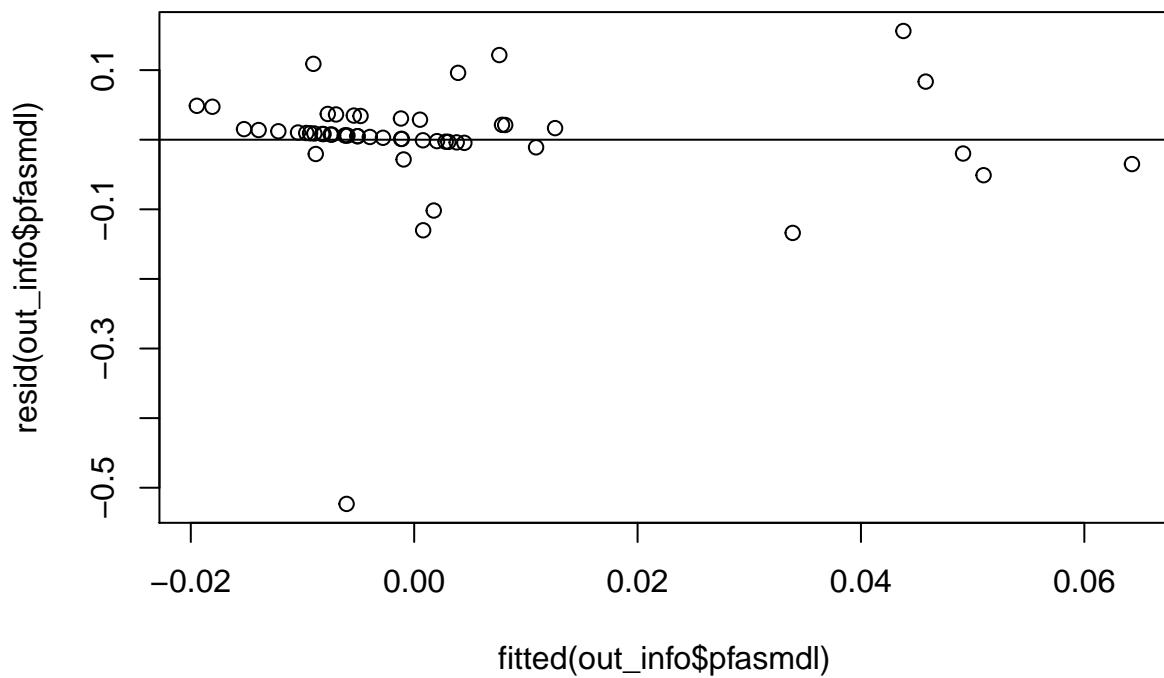
**Normal Q-Q Plot**



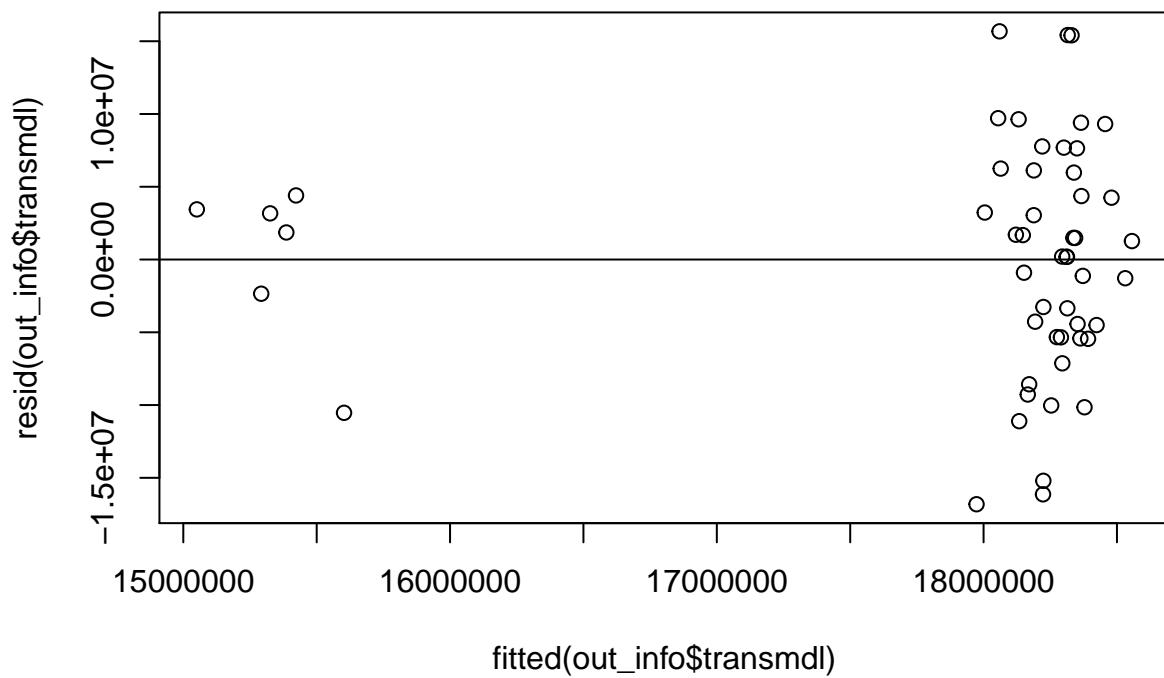
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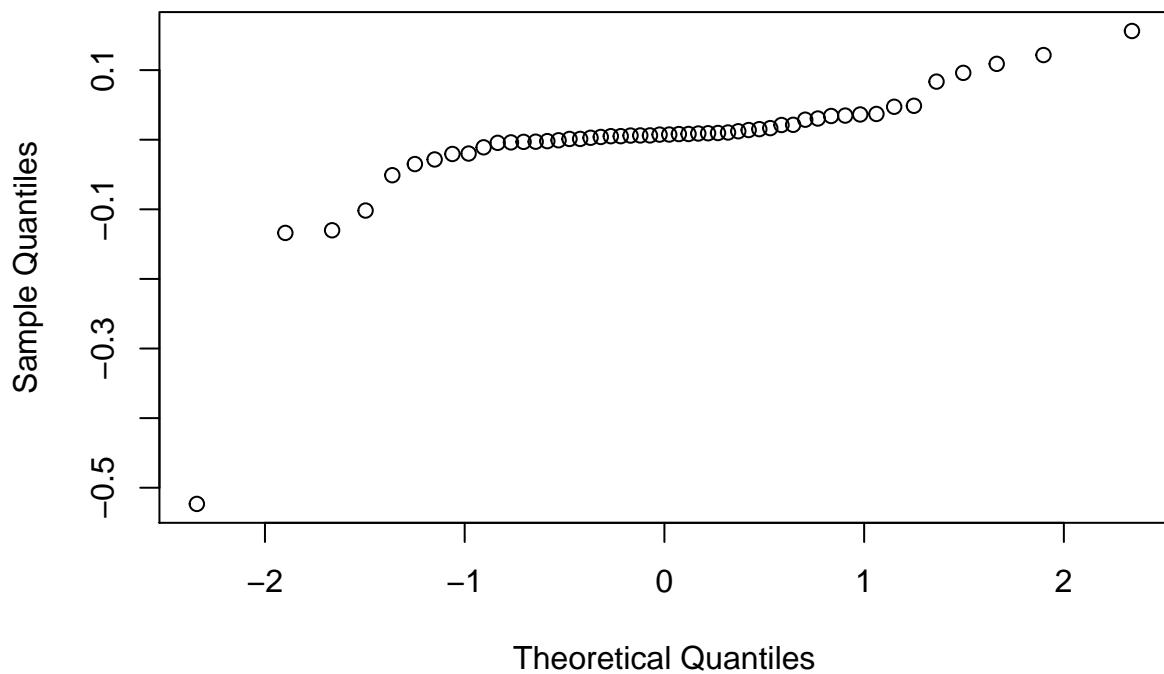
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Plot of SbPFOAorigEthnicity**



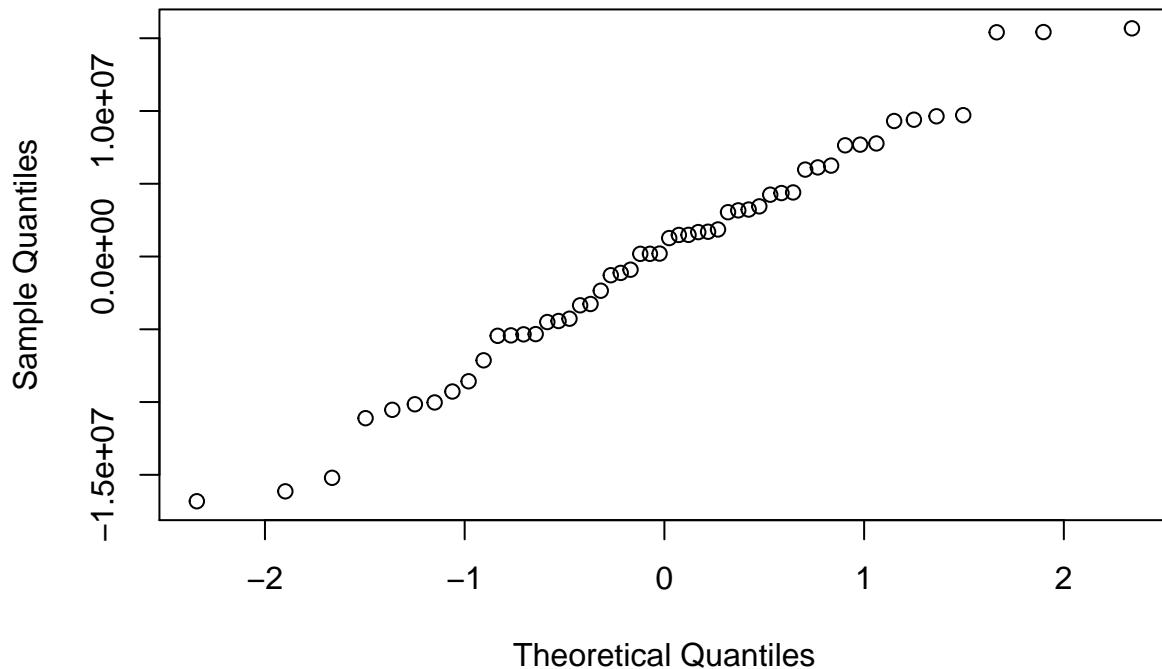
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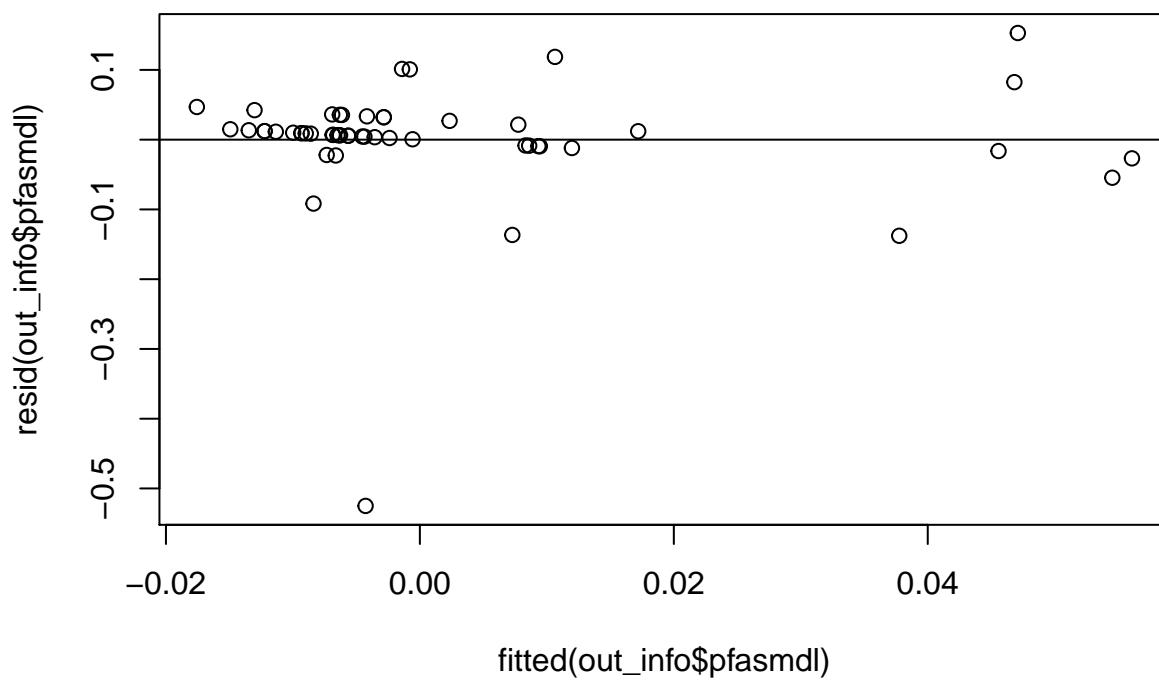
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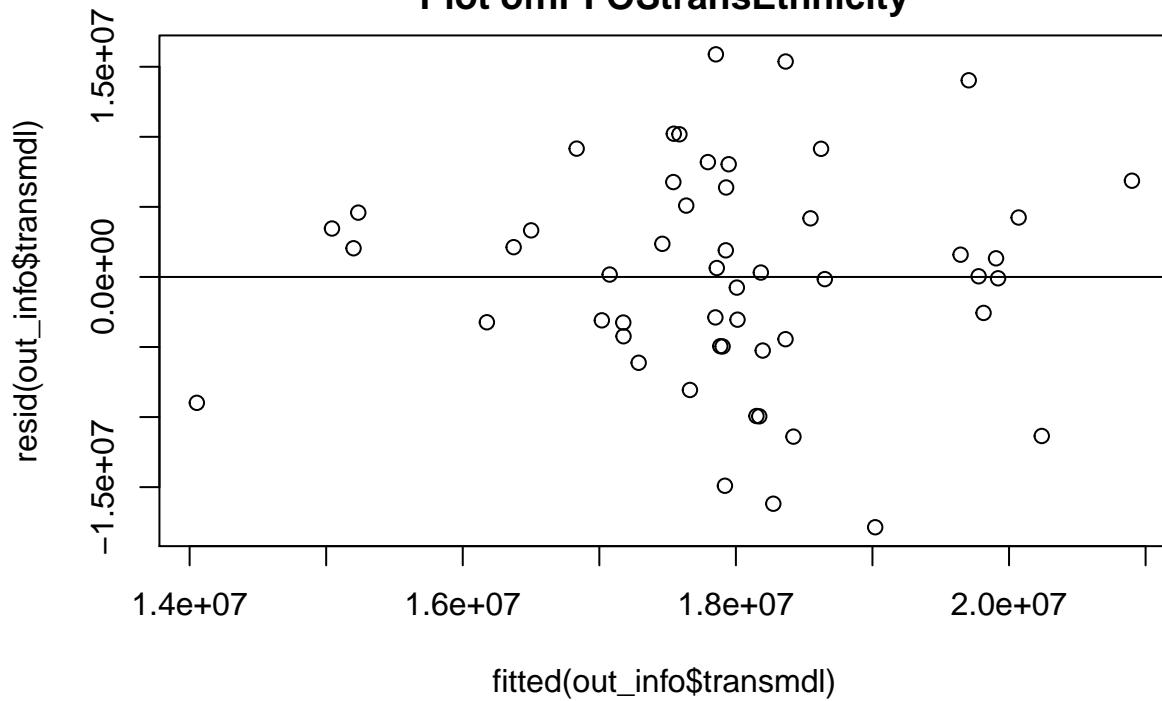
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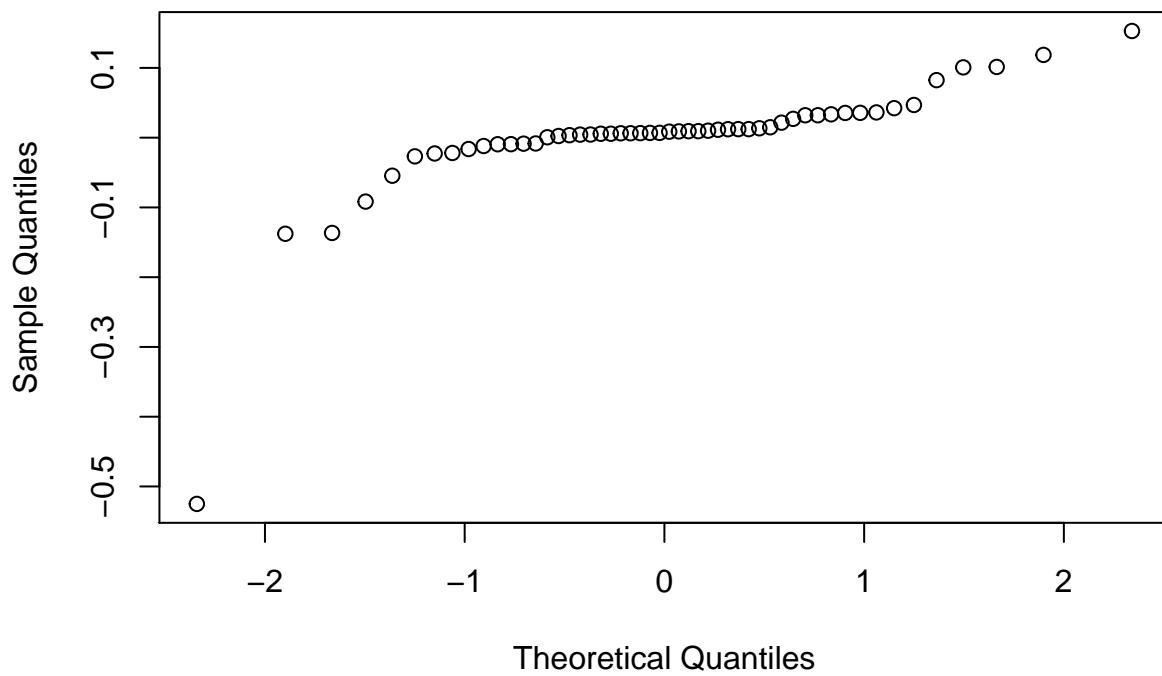
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.duration.hrs  
Plot of SbPFOAorigEthnicity**



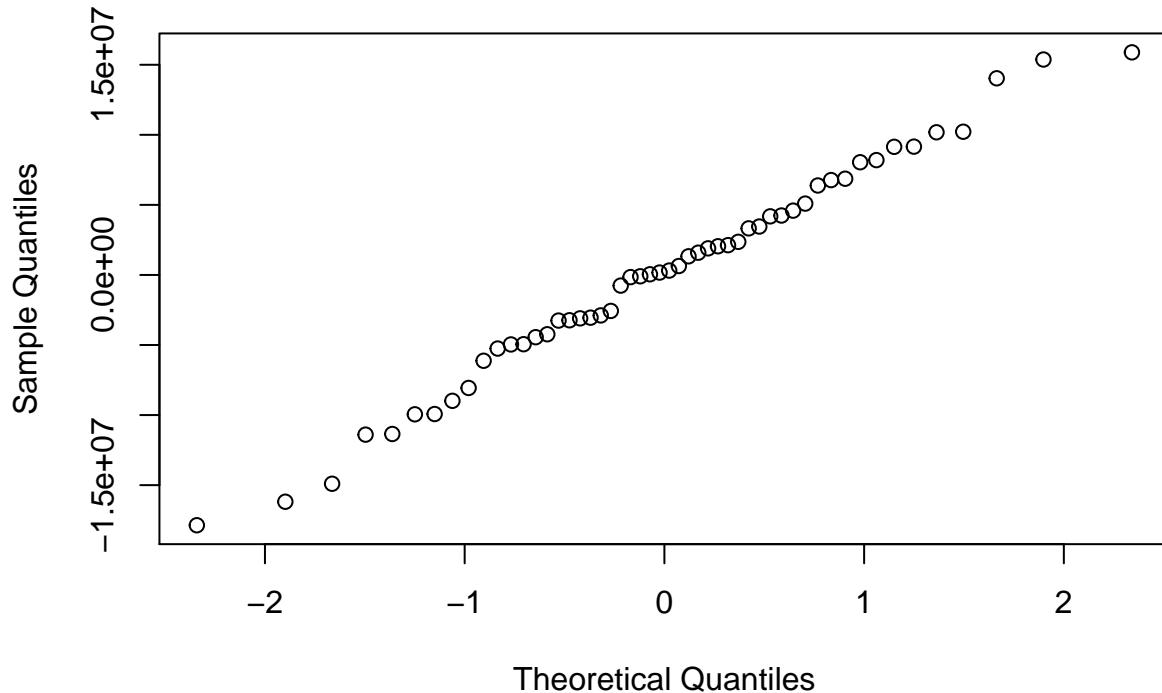
**Plot of nPFOStrans+  
Plot of nPFOStransstr.duration.hrs  
Plot of nPFOStransEthnicity**



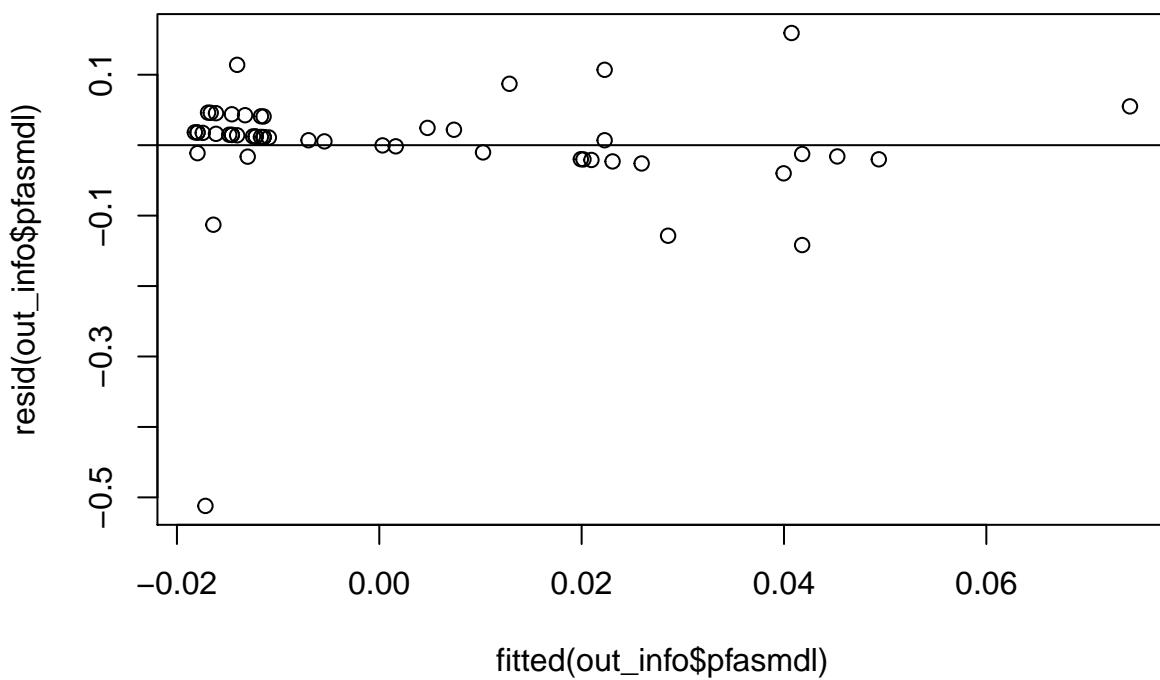
**Normal Q-Q Plot**



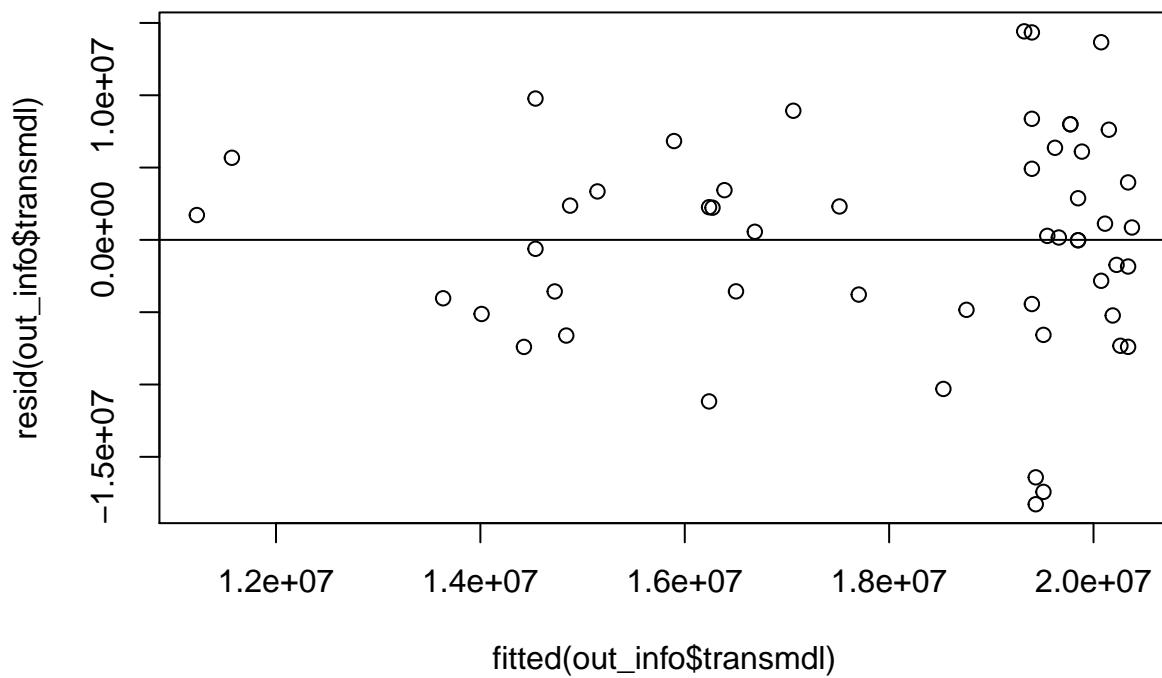
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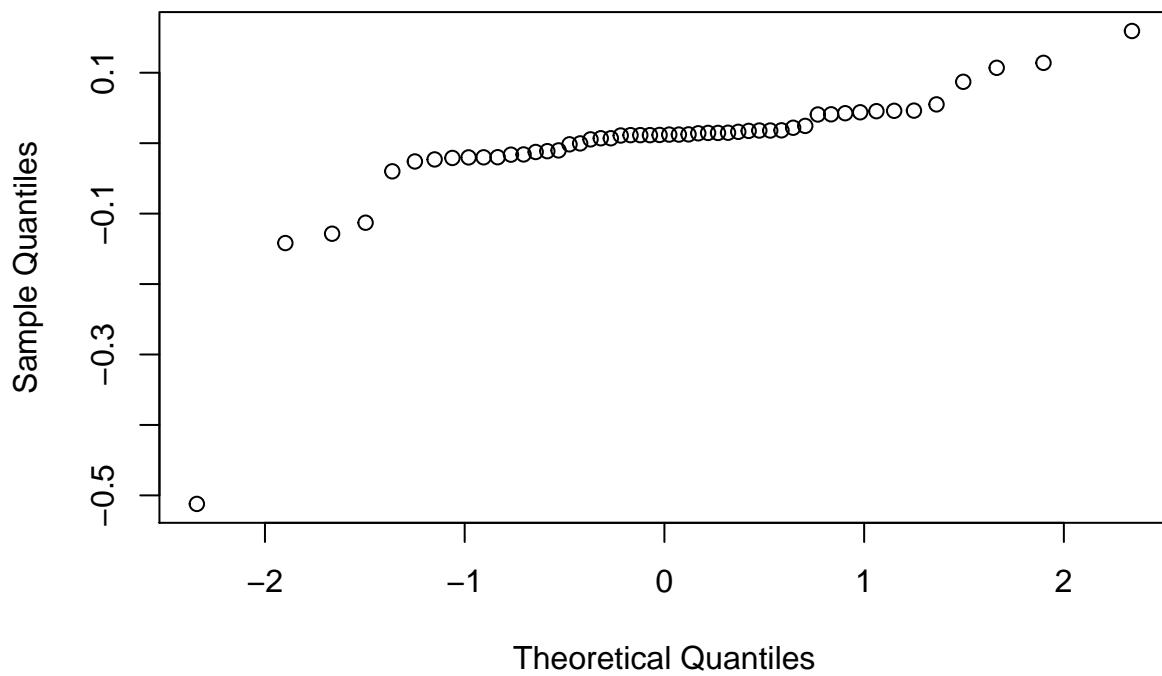
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigdays.since.MRF**  
**Plot of SbPFOAorigEthnicity**



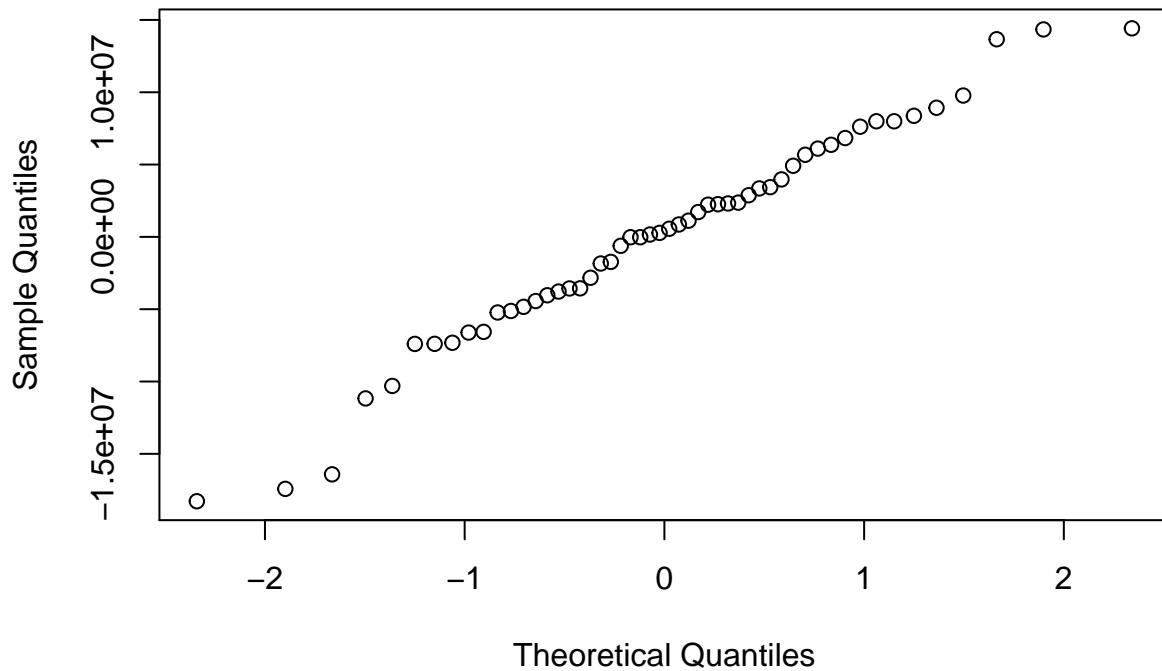
**Plot of fnPFOStrans+  
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Plot of fnPFOStransEthnicity**



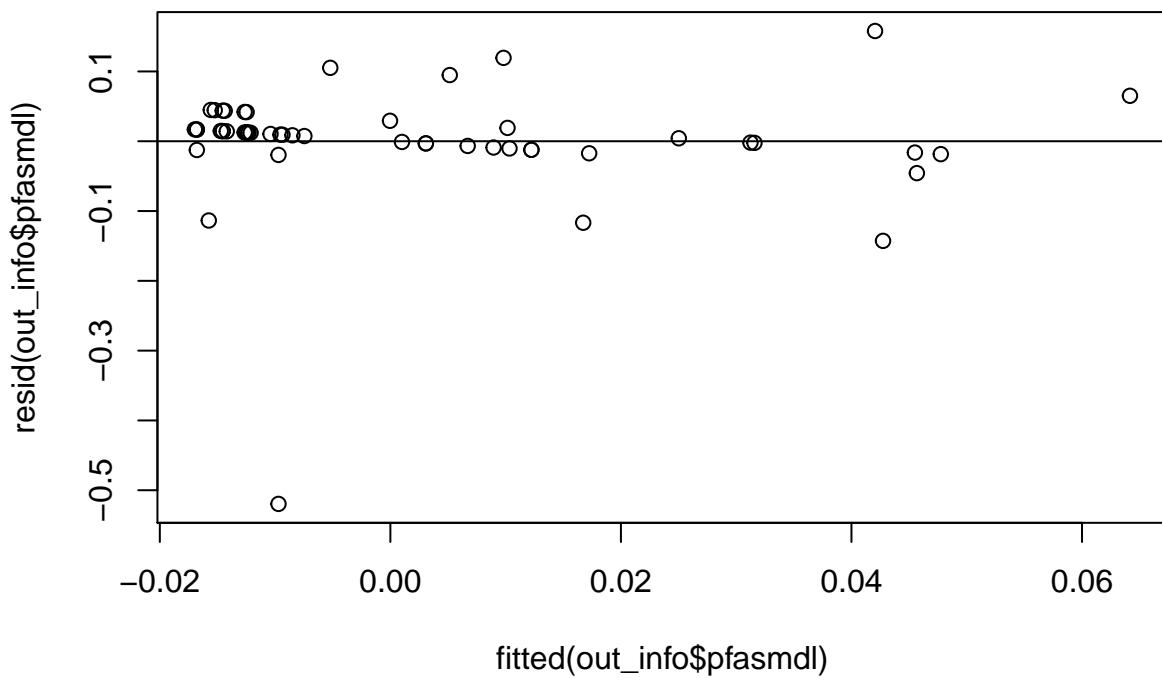
**Normal Q-Q Plot**



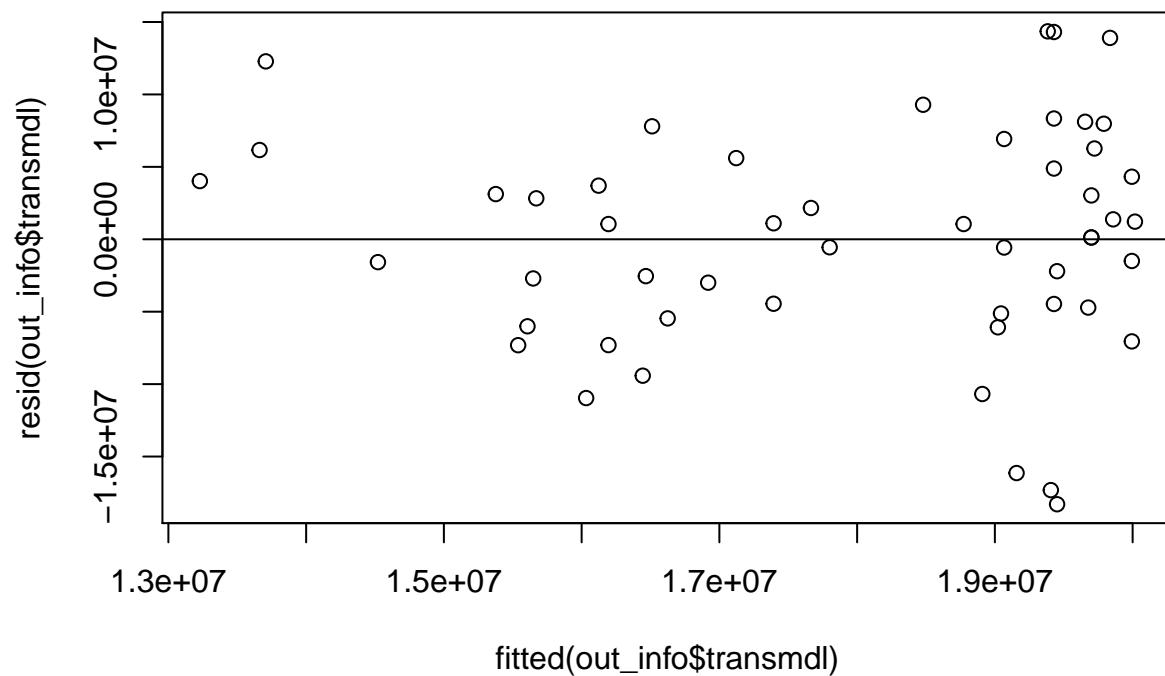
### Normal Q-Q Plot



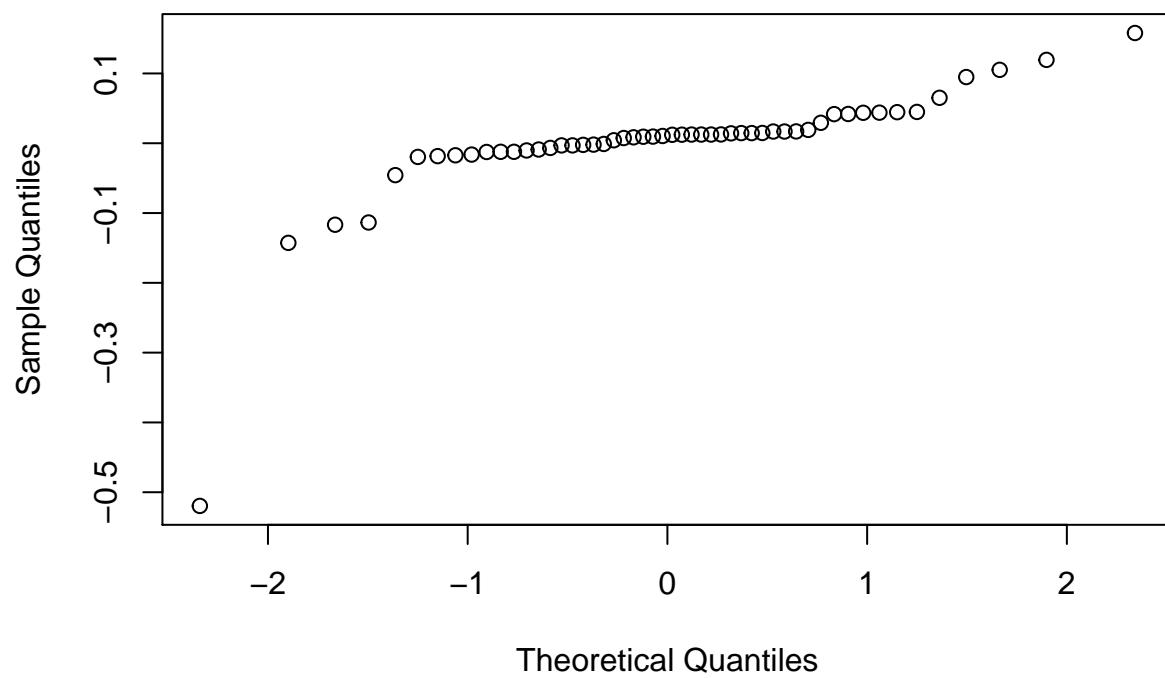
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigdays.since.struc.MRF**  
**Plot of SbPFOAorigEthnicity**



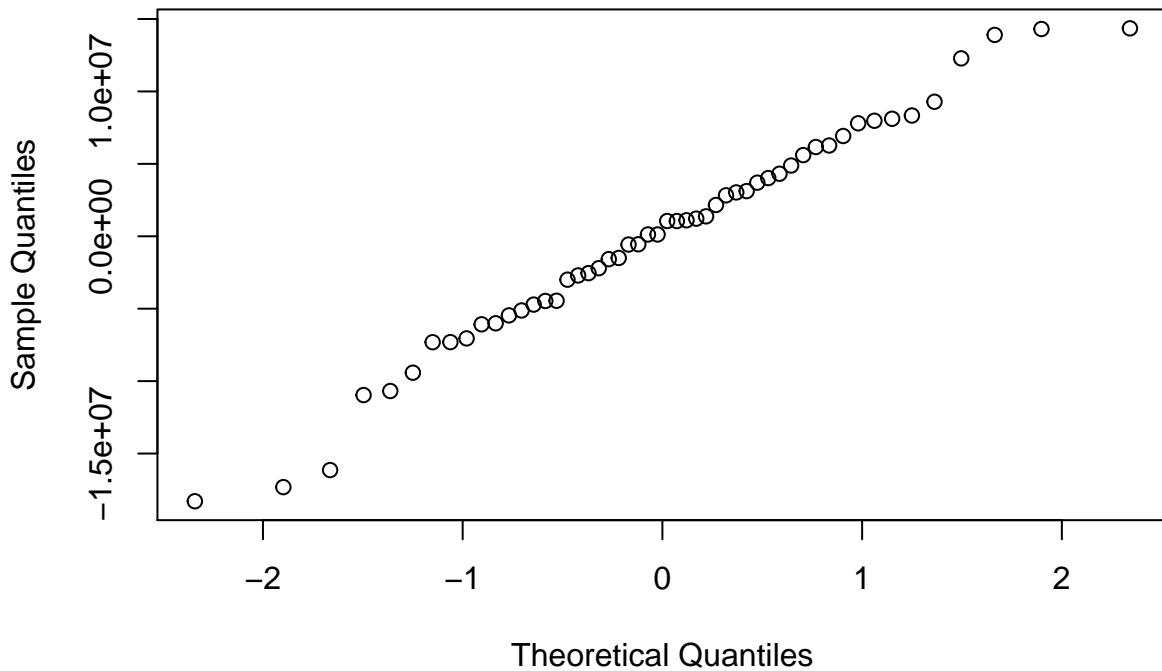
**Plot of nPFOStrans+  
Plot of nPFOStransdays.since.struc.MRF  
Plot of nPFOStransEthnicity**



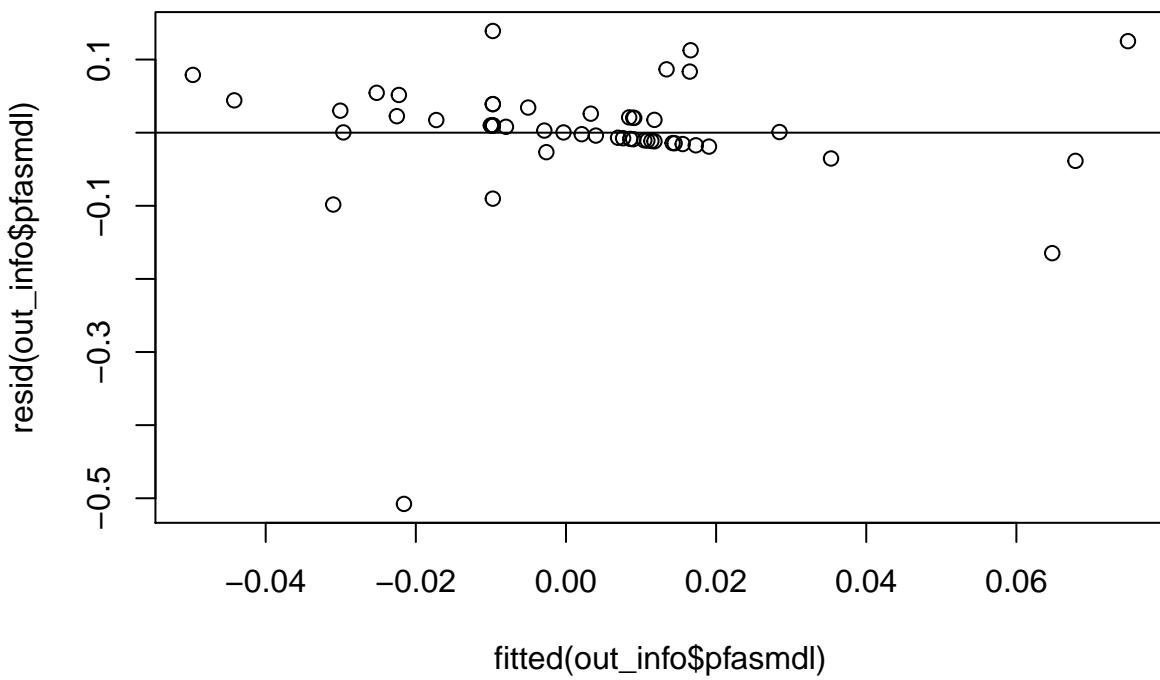
**Normal Q-Q Plot**



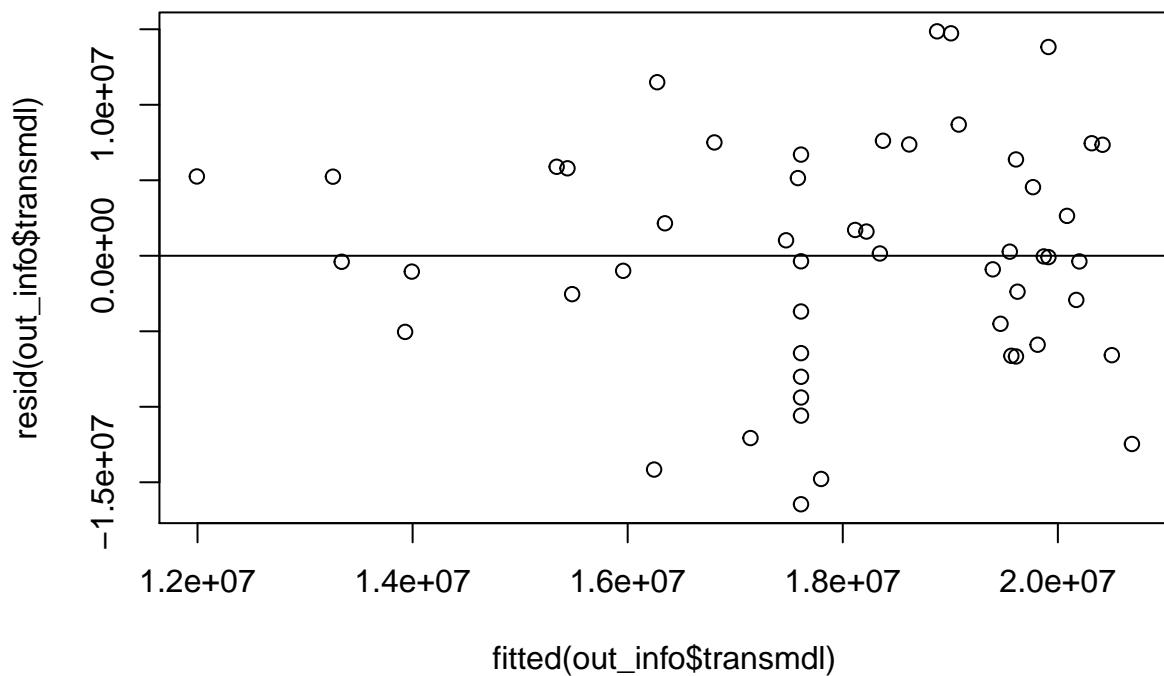
### Normal Q-Q Plot



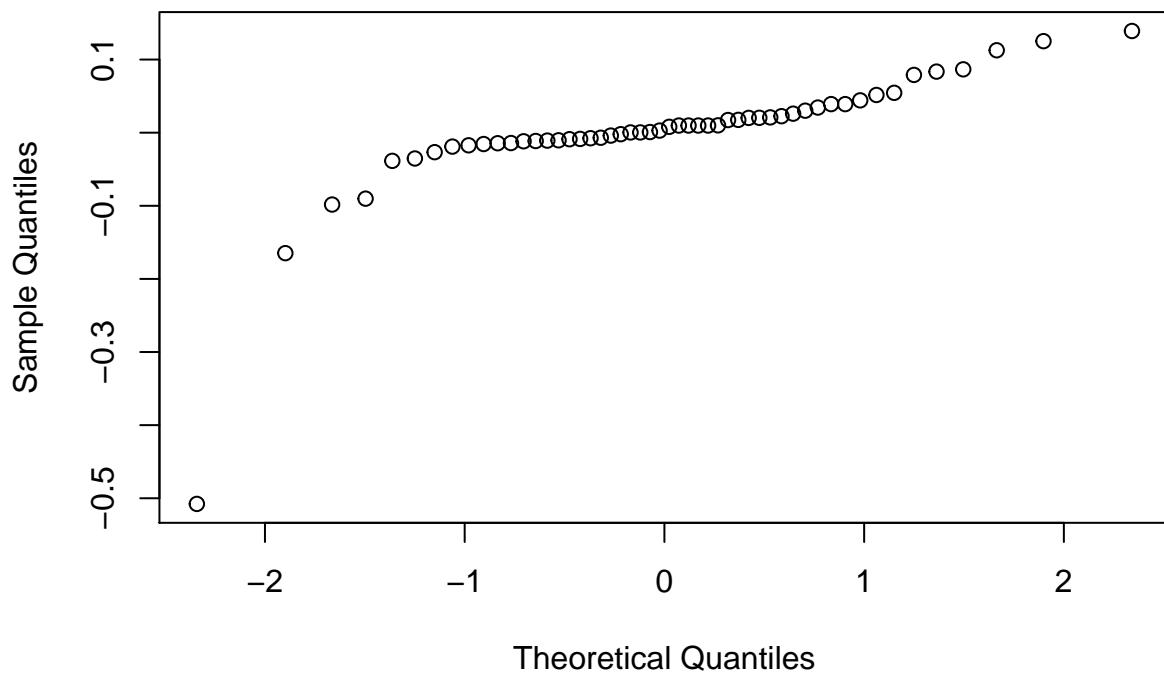
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigtime.since.baseline**  
**Plot of SbPFOAorigEthnicity**



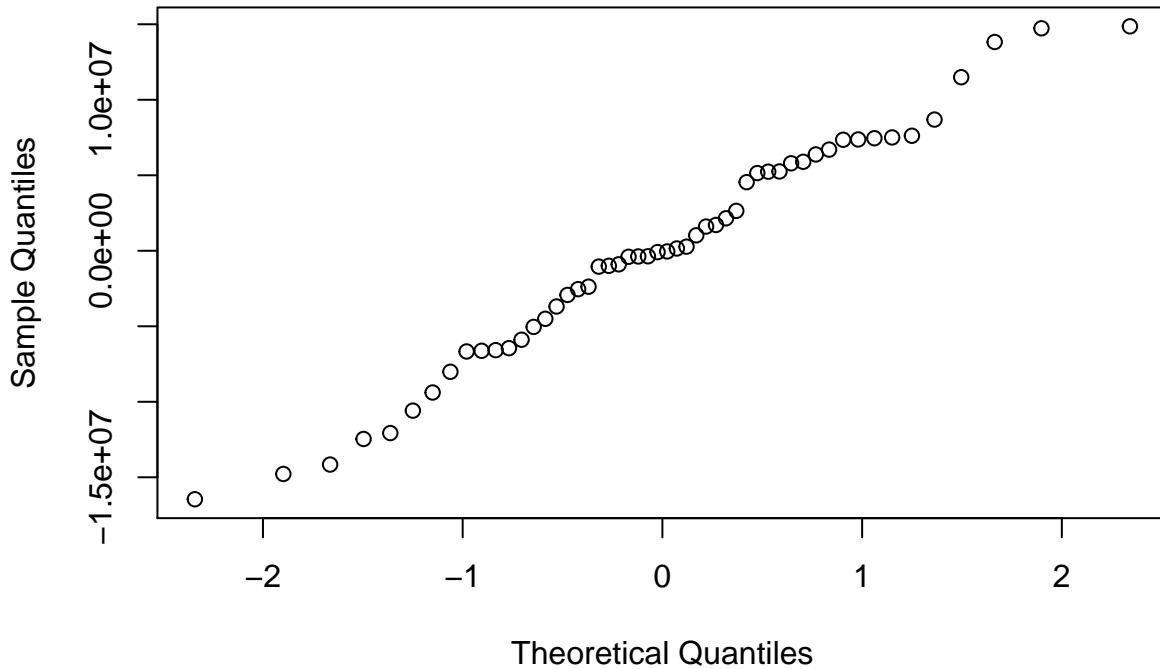
**Plot of nPFOStrans+  
Plot of nPFOStranstime.since.baseline  
Plot of nPFOStransEthnicity**



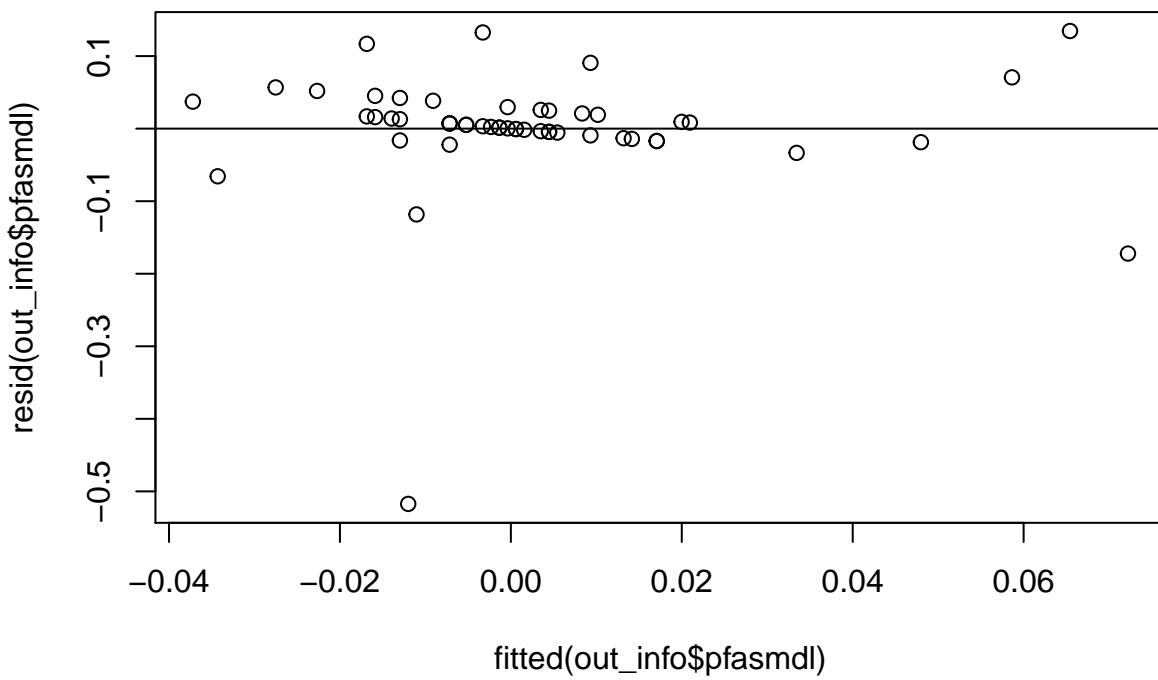
**Normal Q-Q Plot**



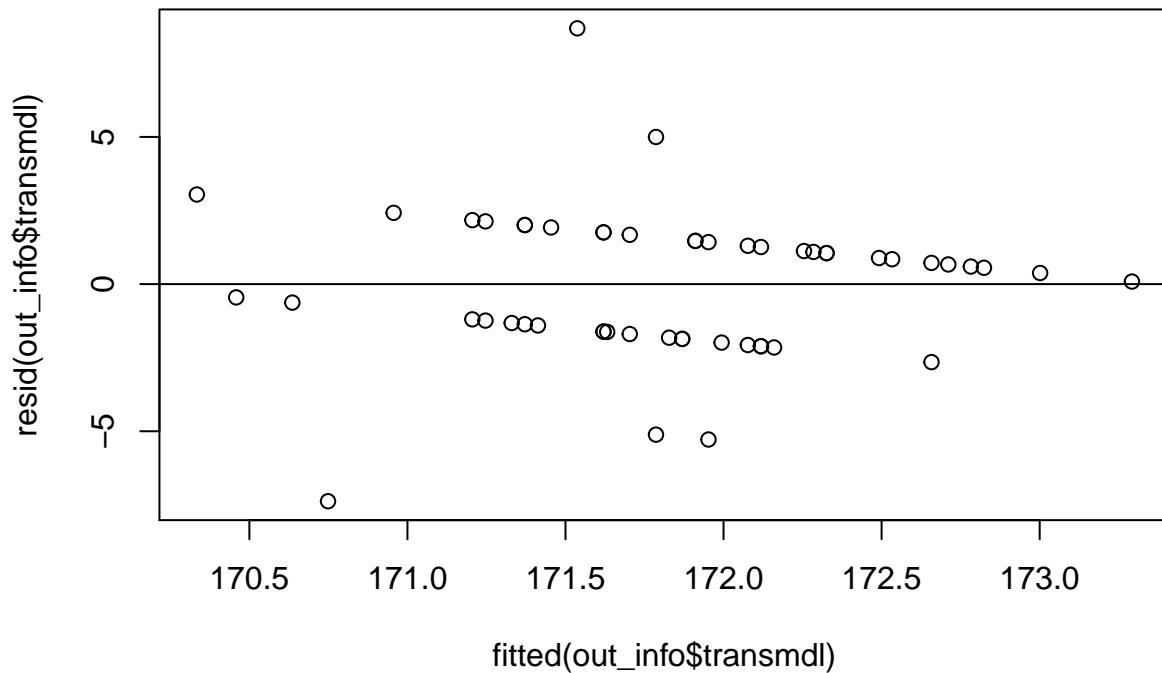
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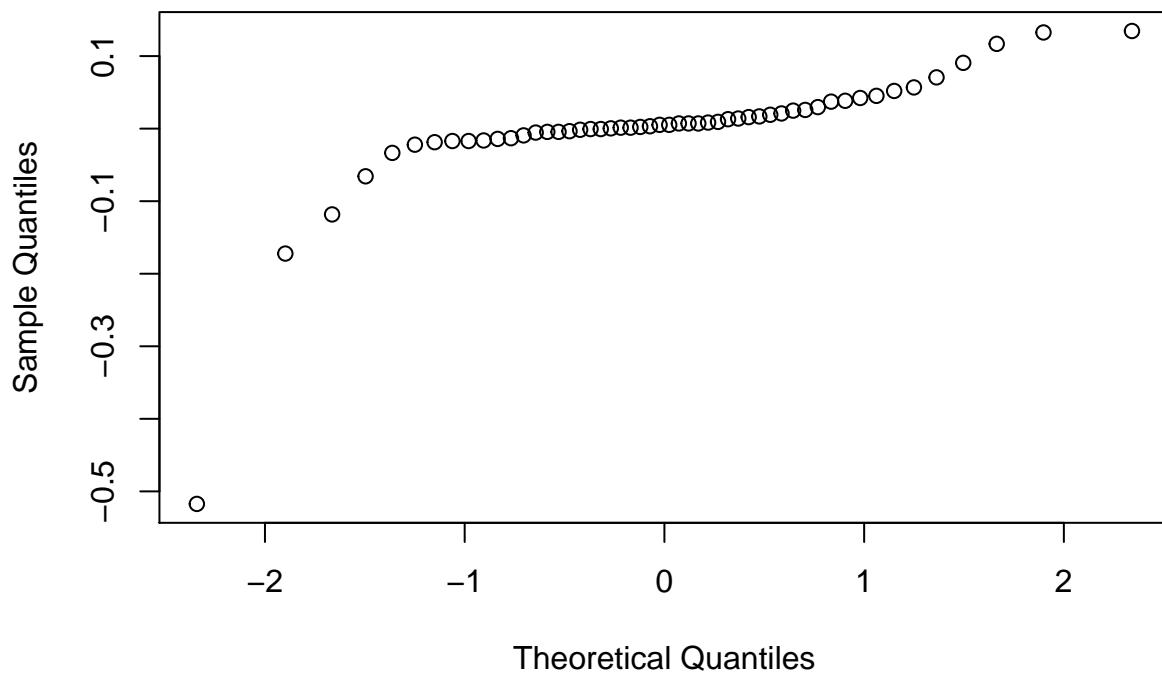
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity**



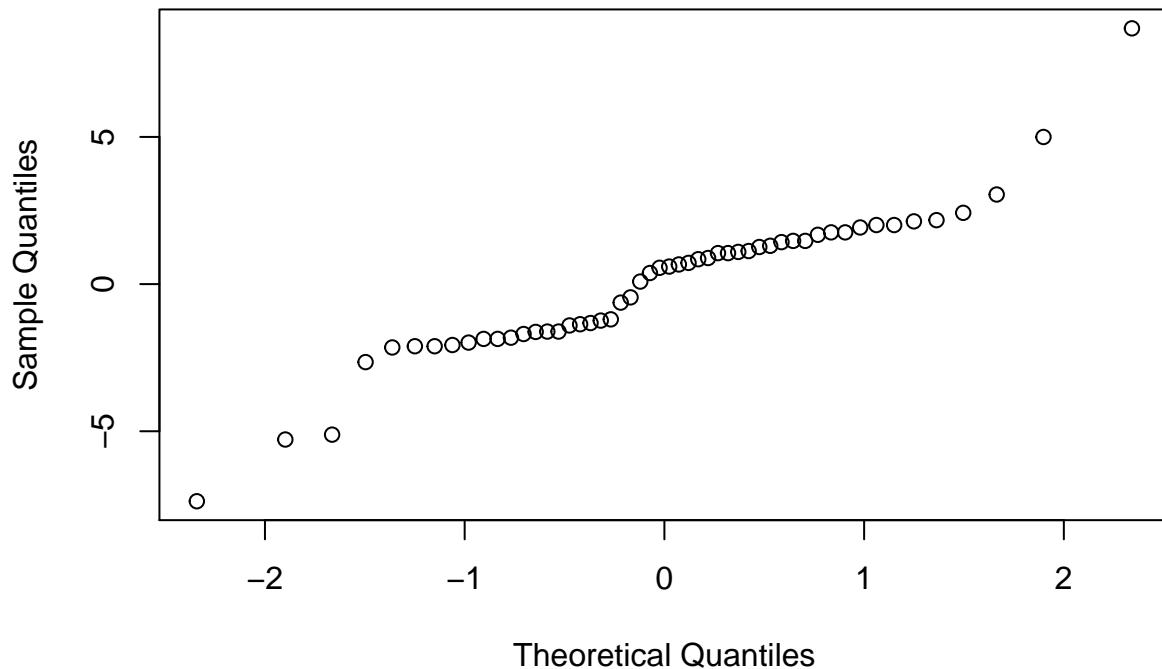
**Plot of PFDEAtrans+  
Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



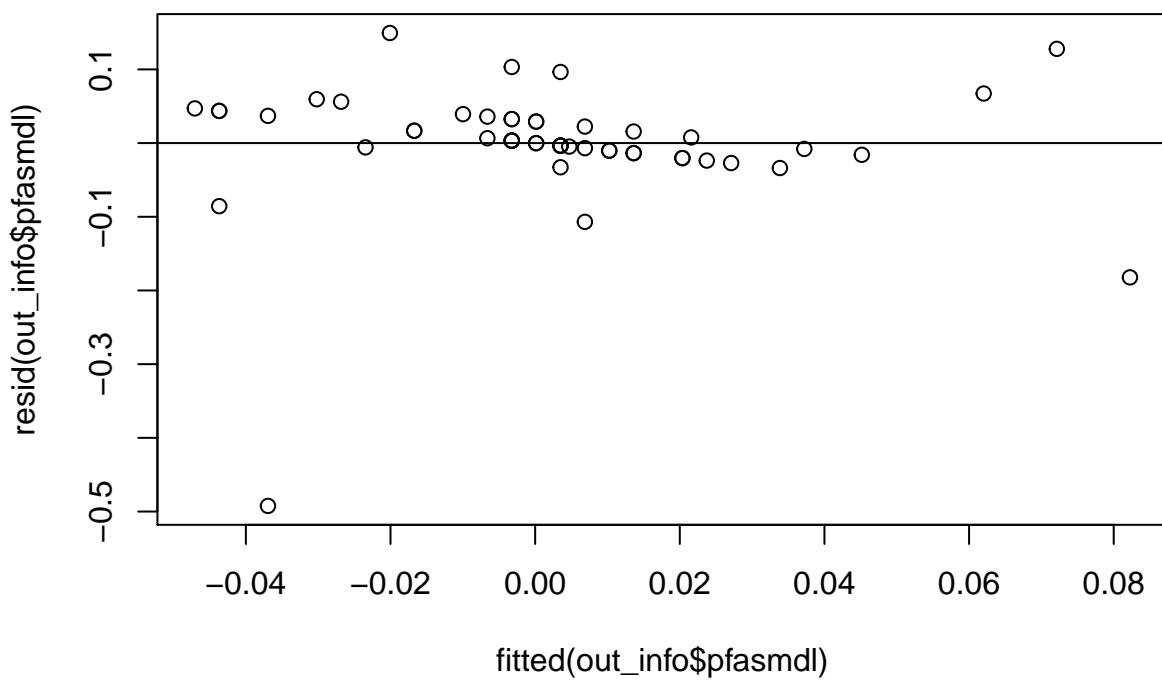
**Normal Q-Q Plot**



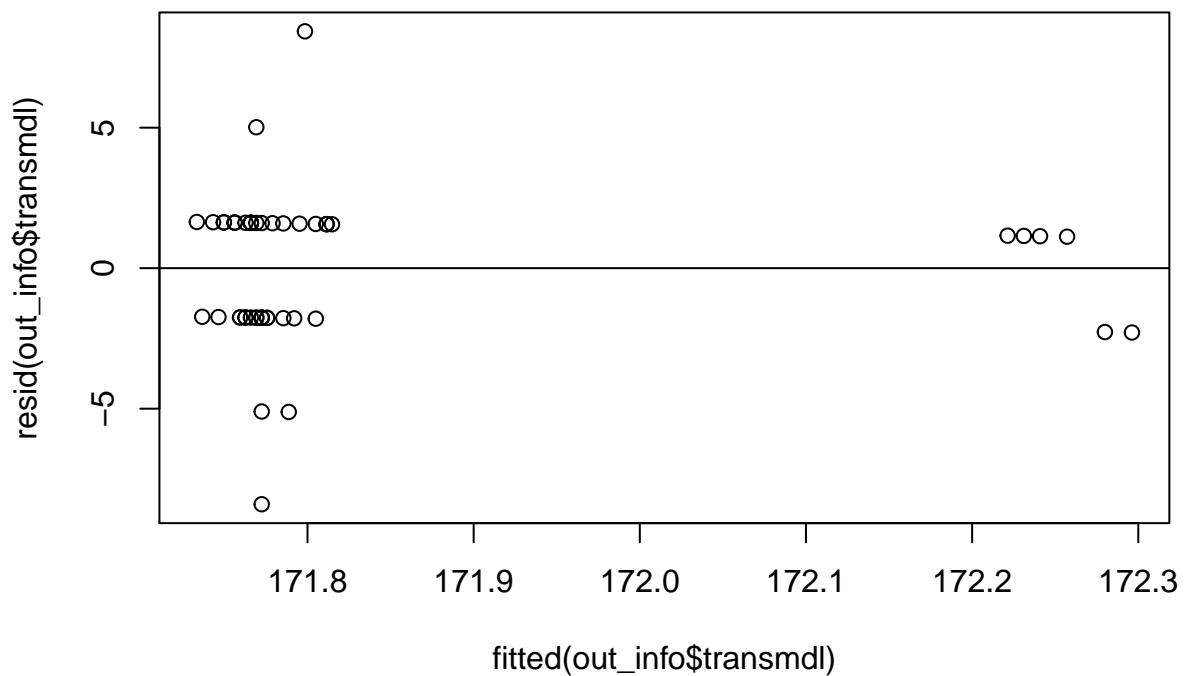
### Normal Q-Q Plot



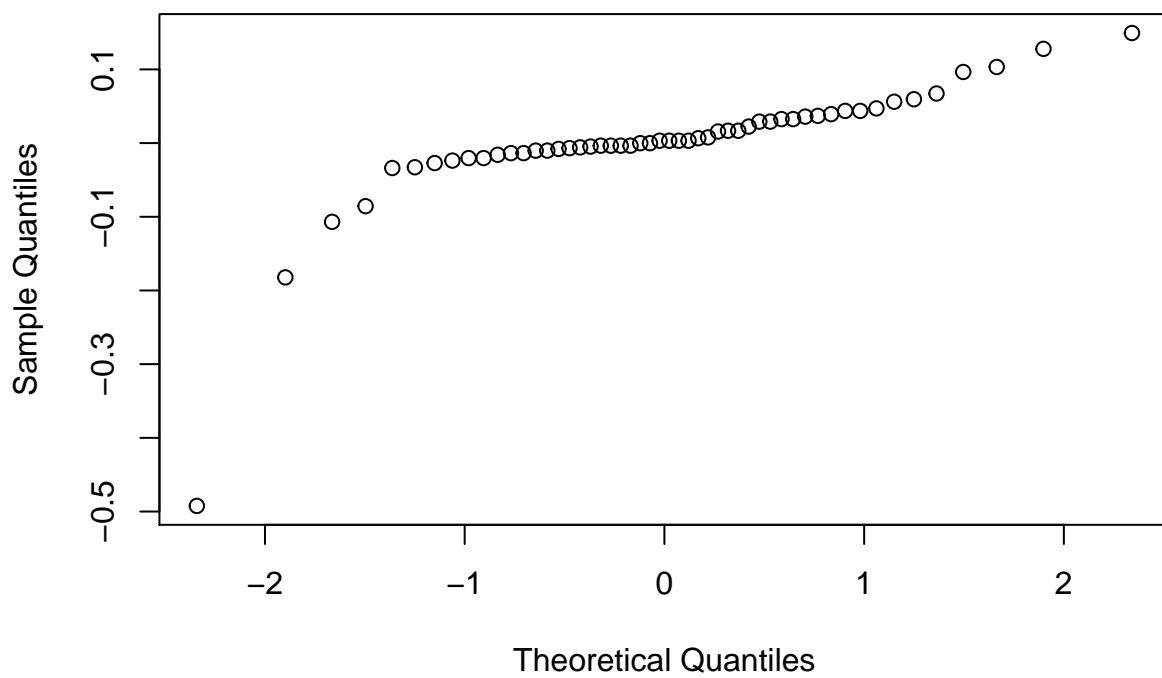
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.num.fireruns  
Plot of SbPFOAorigEthnicity**



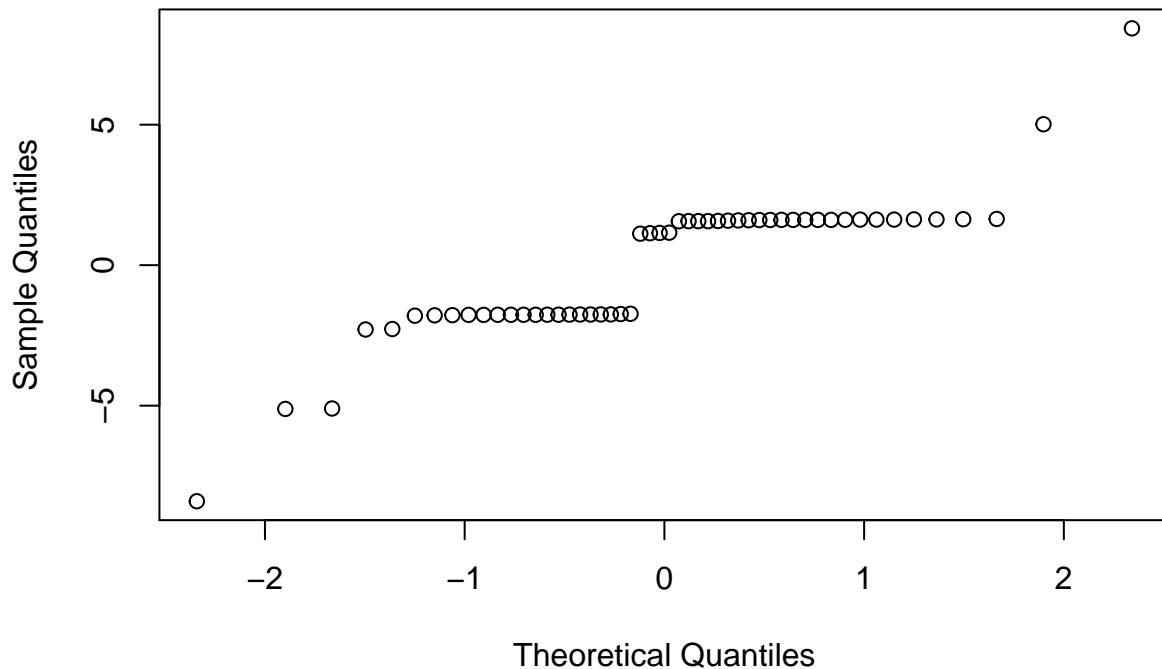
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Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



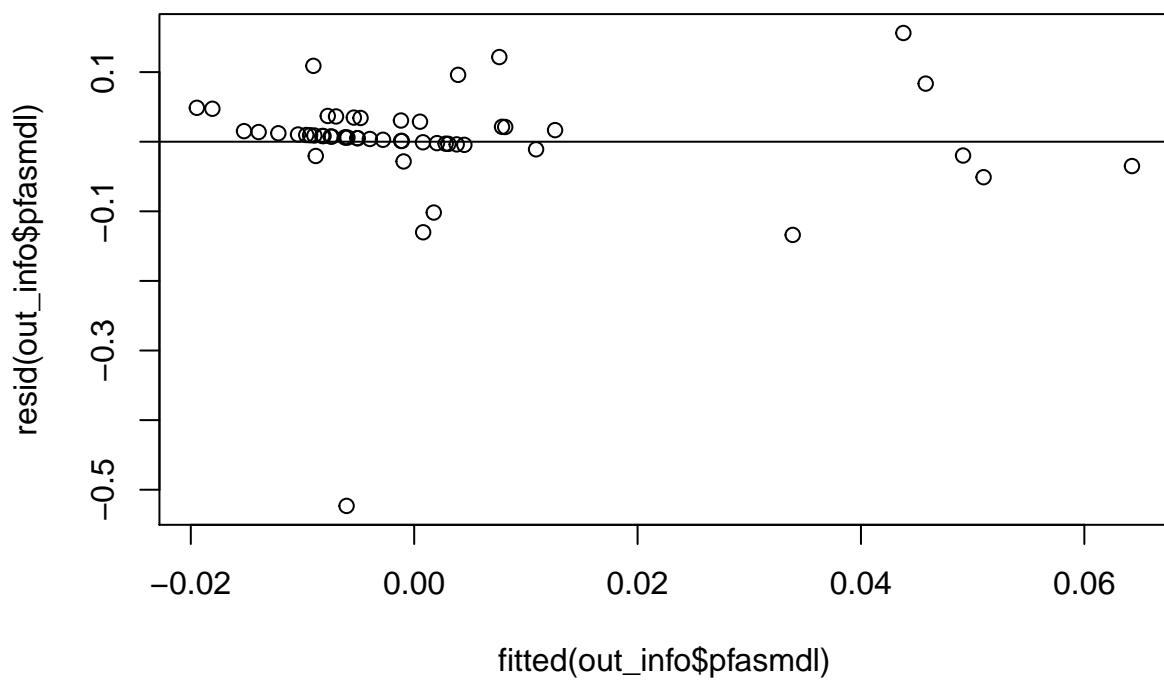
**Normal Q-Q Plot**



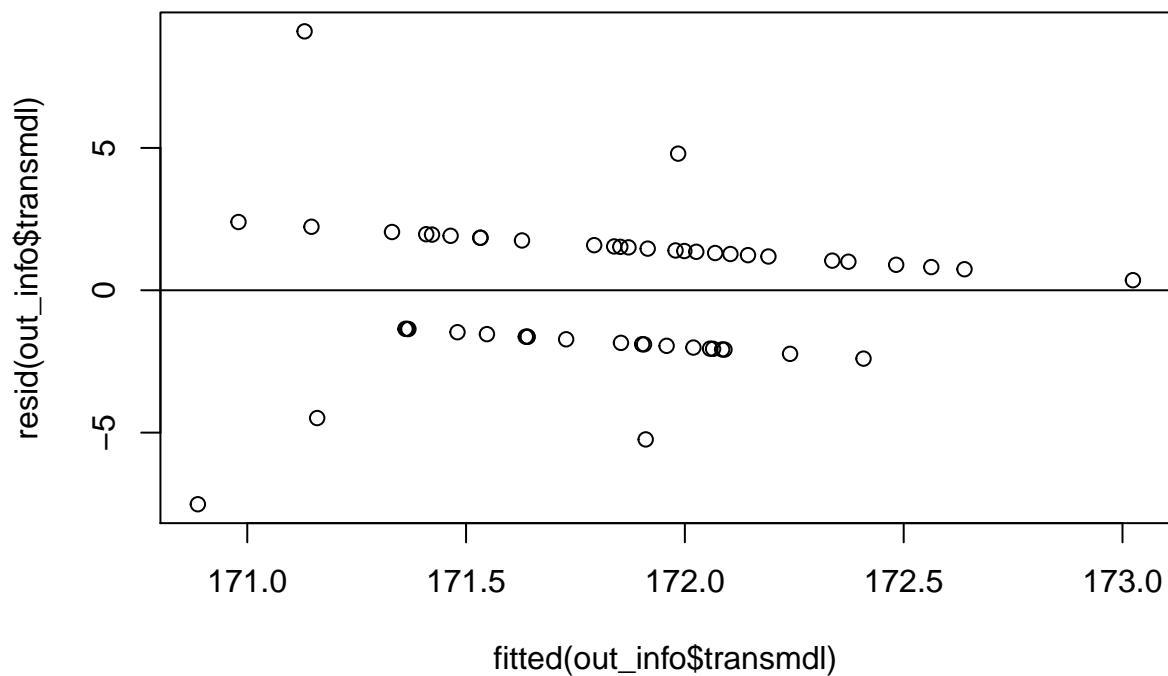
### Normal Q-Q Plot



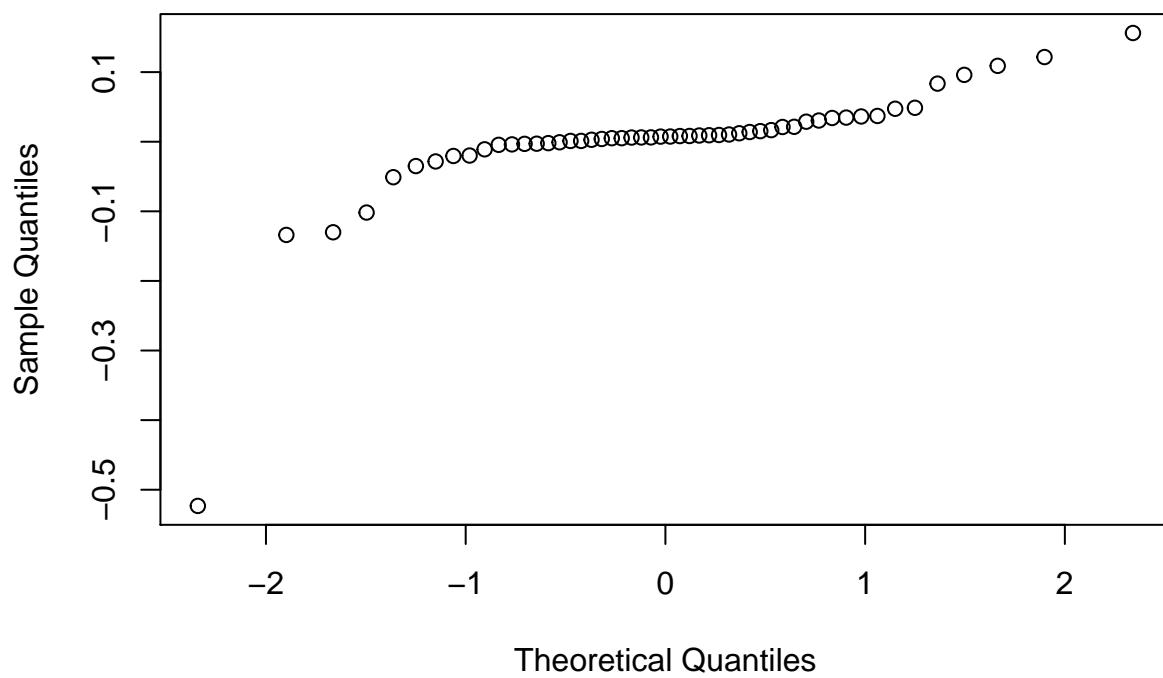
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.duration.hrs  
Plot of SbPFOAorigEthnicity**



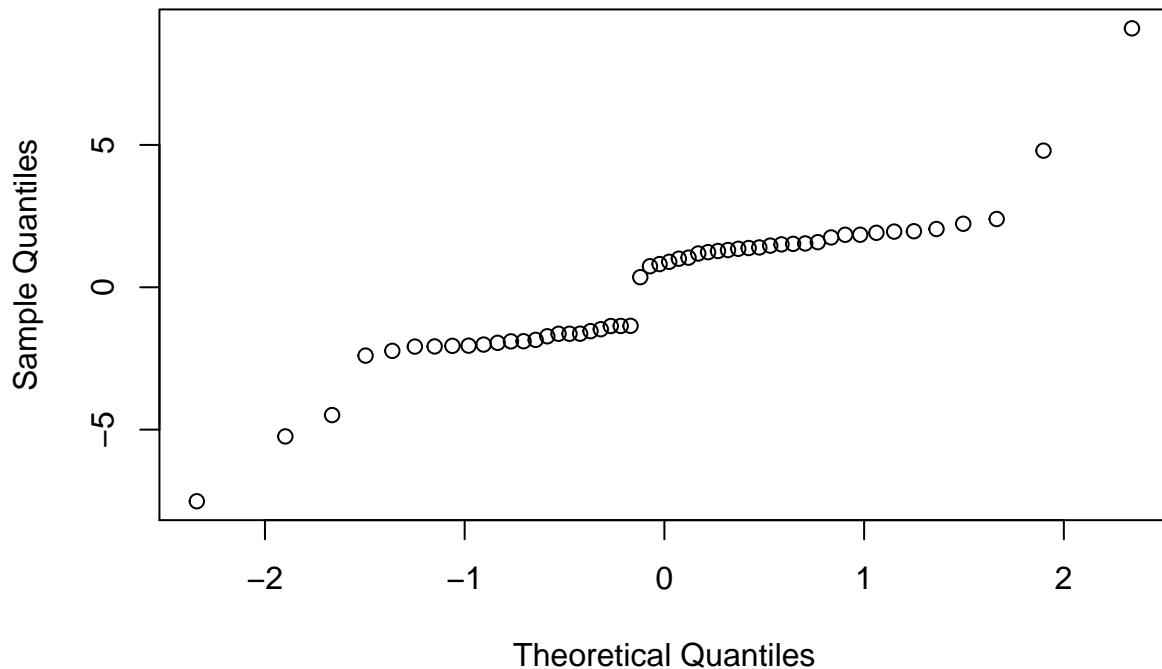
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Plot of PFDEAtran\$total.duration.hrs  
Plot of PFDEAtrans\$Ethnicity**



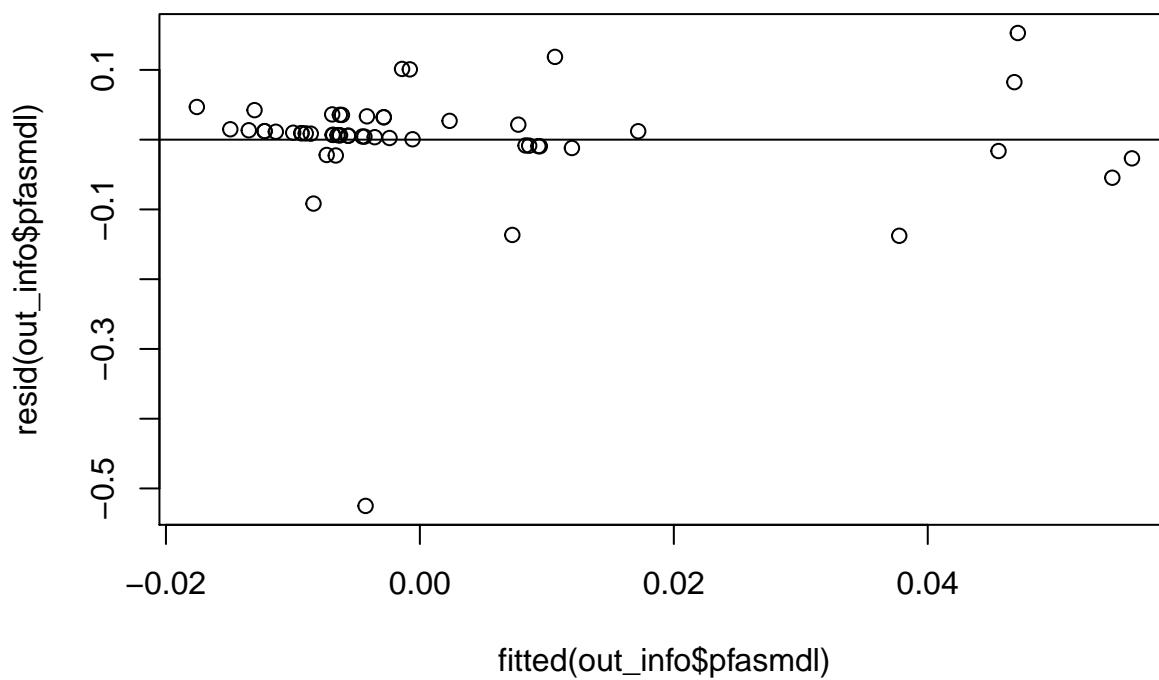
**Normal Q-Q Plot**



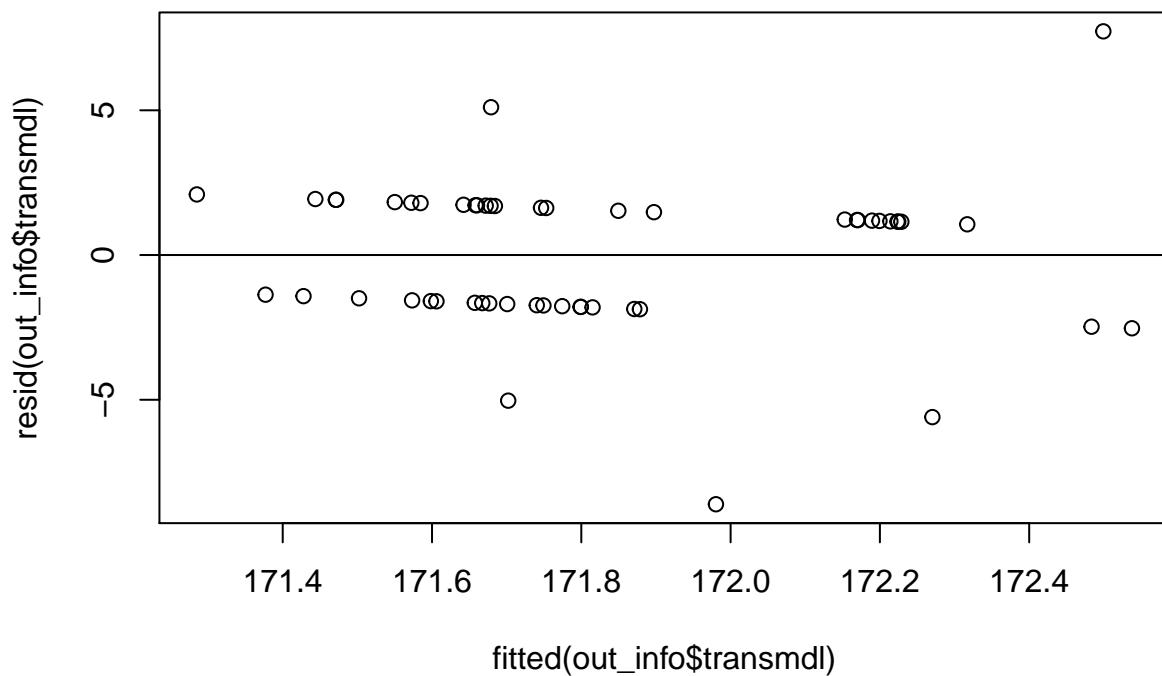
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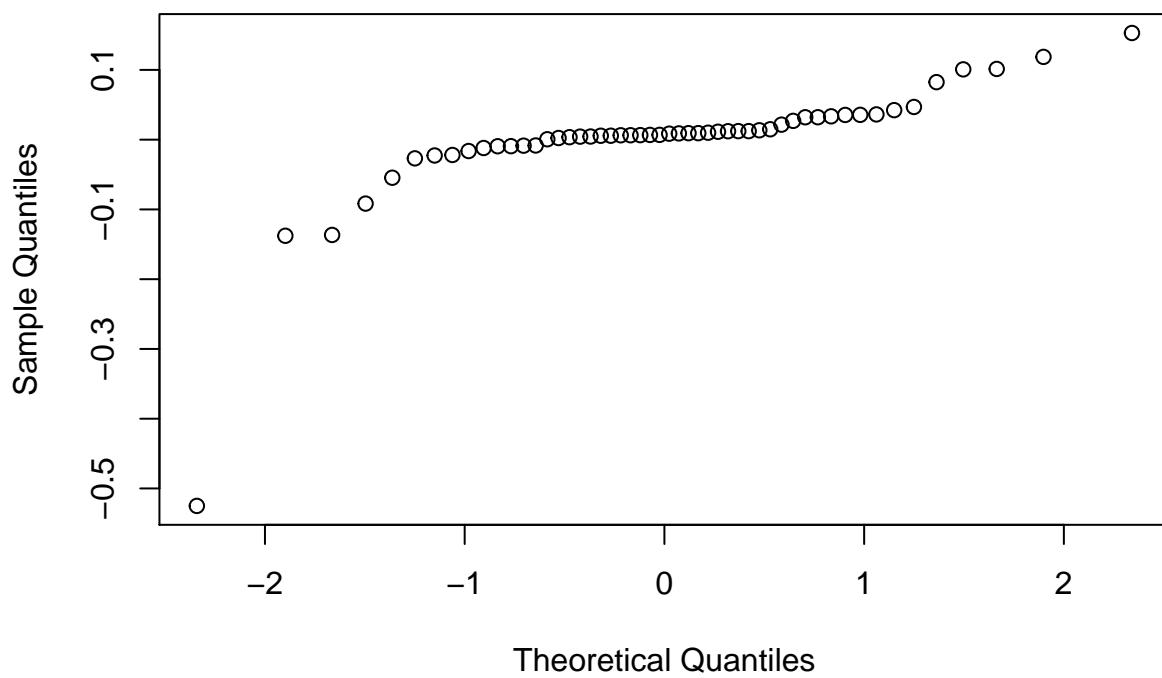
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.duration.hrs  
Plot of SbPFOAorigEthnicity**



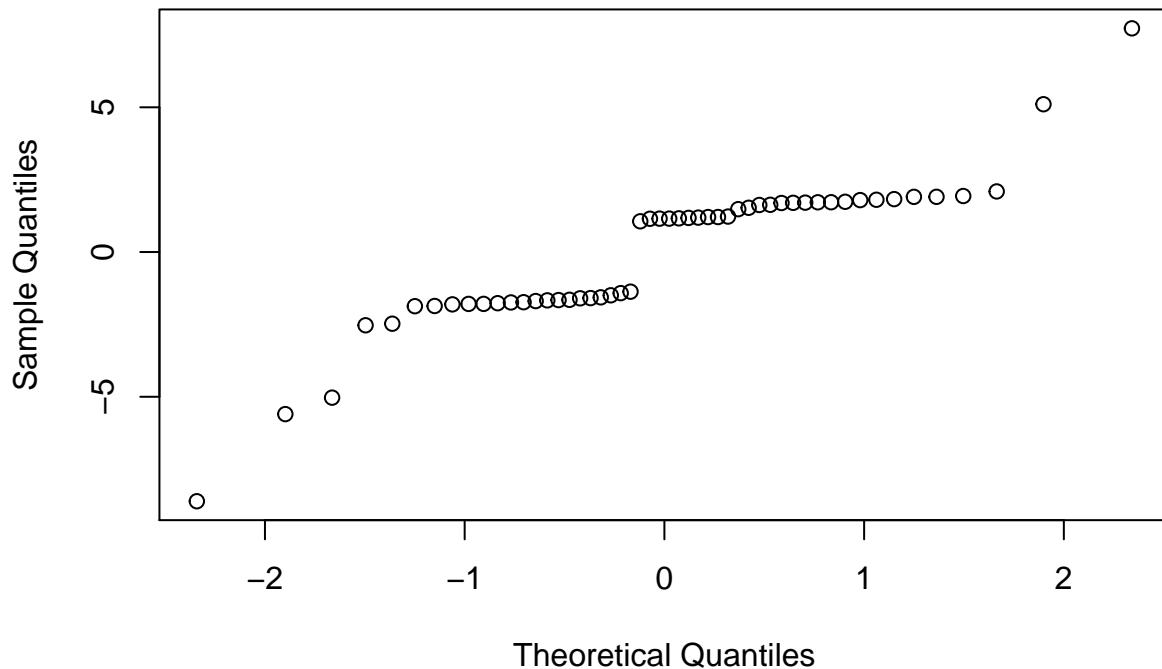
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



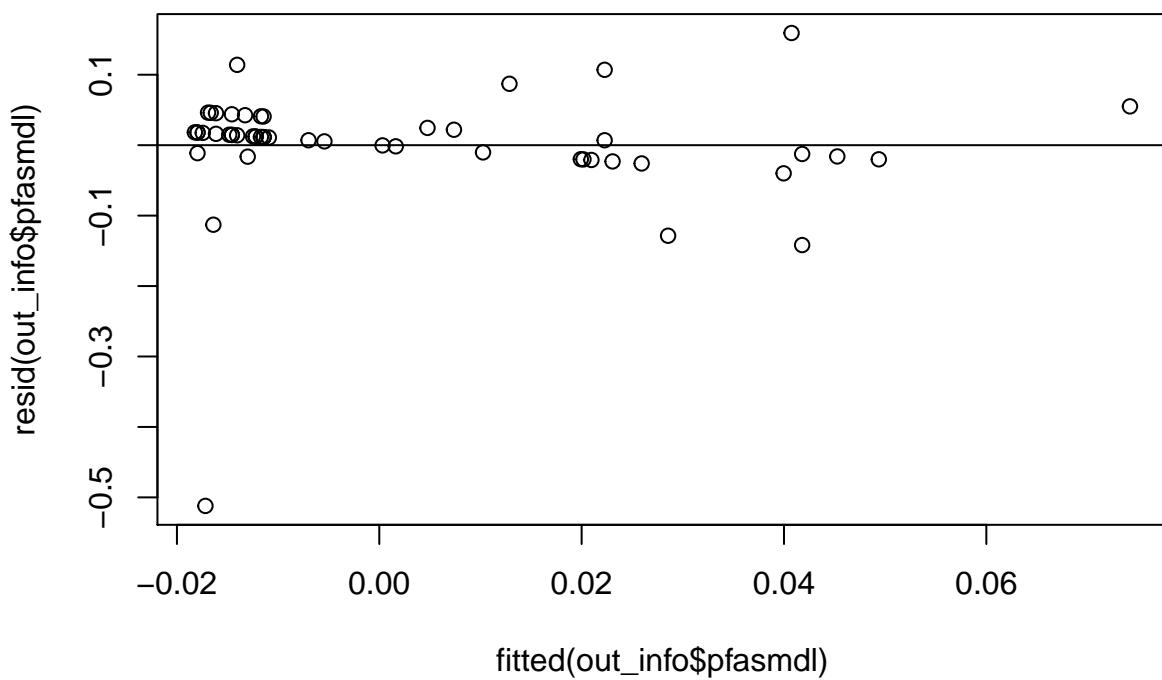
**Normal Q-Q Plot**



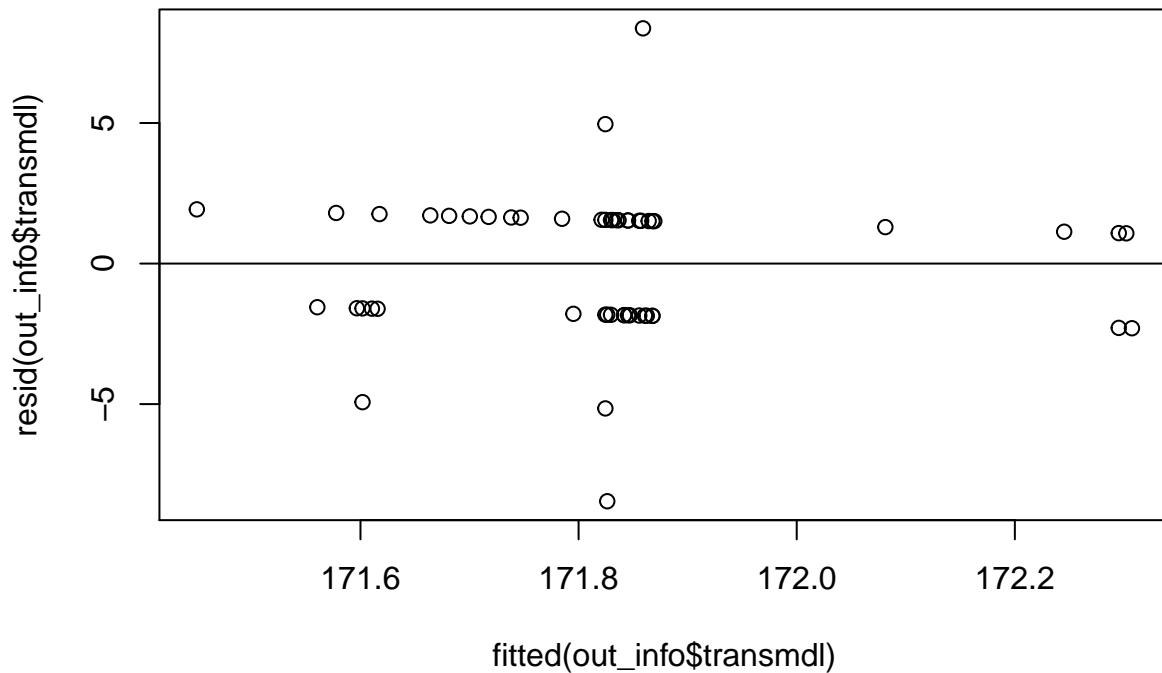
### Normal Q-Q Plot



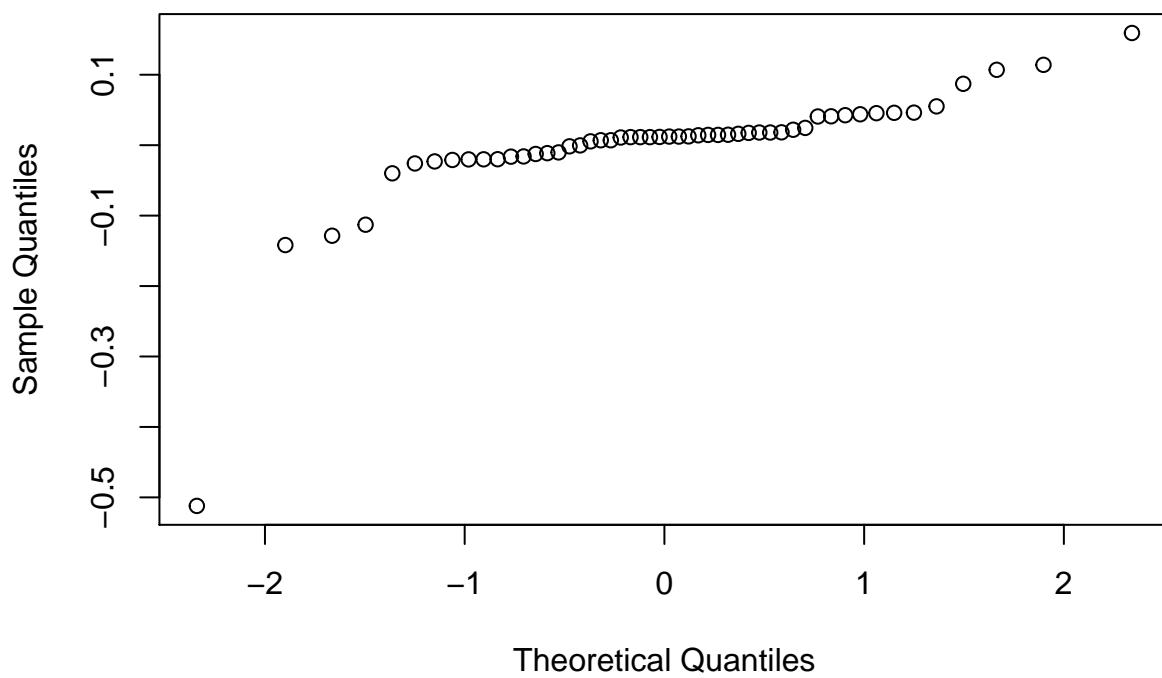
Plot of SbPFOAorig+  
Plot of SbPFOAorigdays.since.MRF  
Plot of SbPFOAorigEthnicity



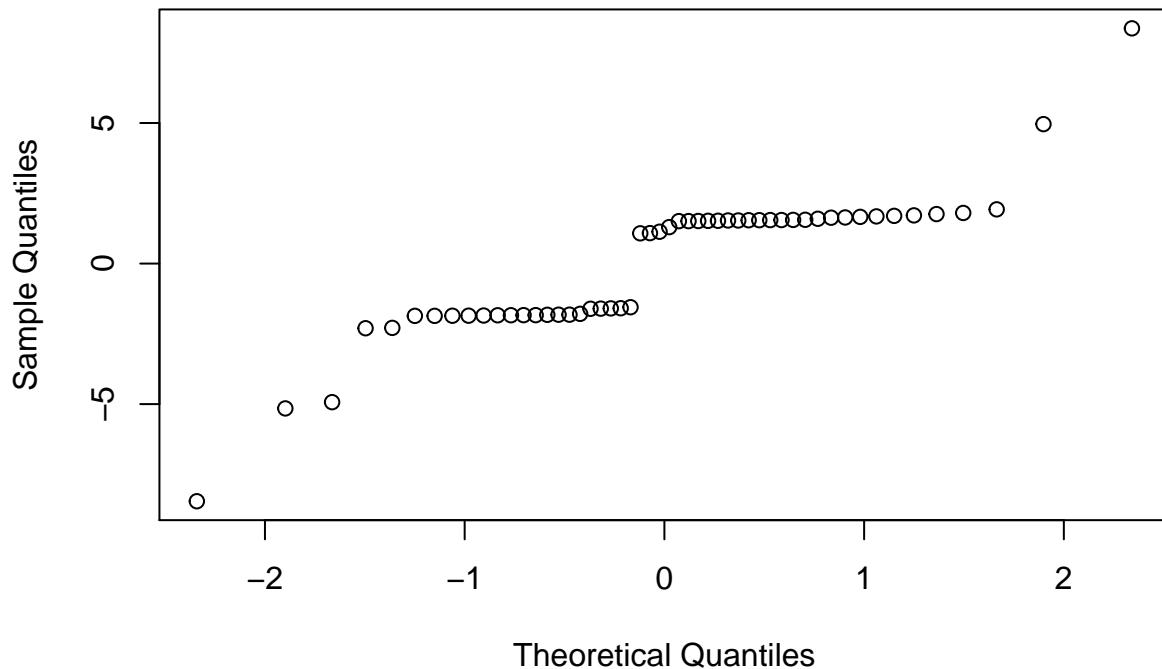
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



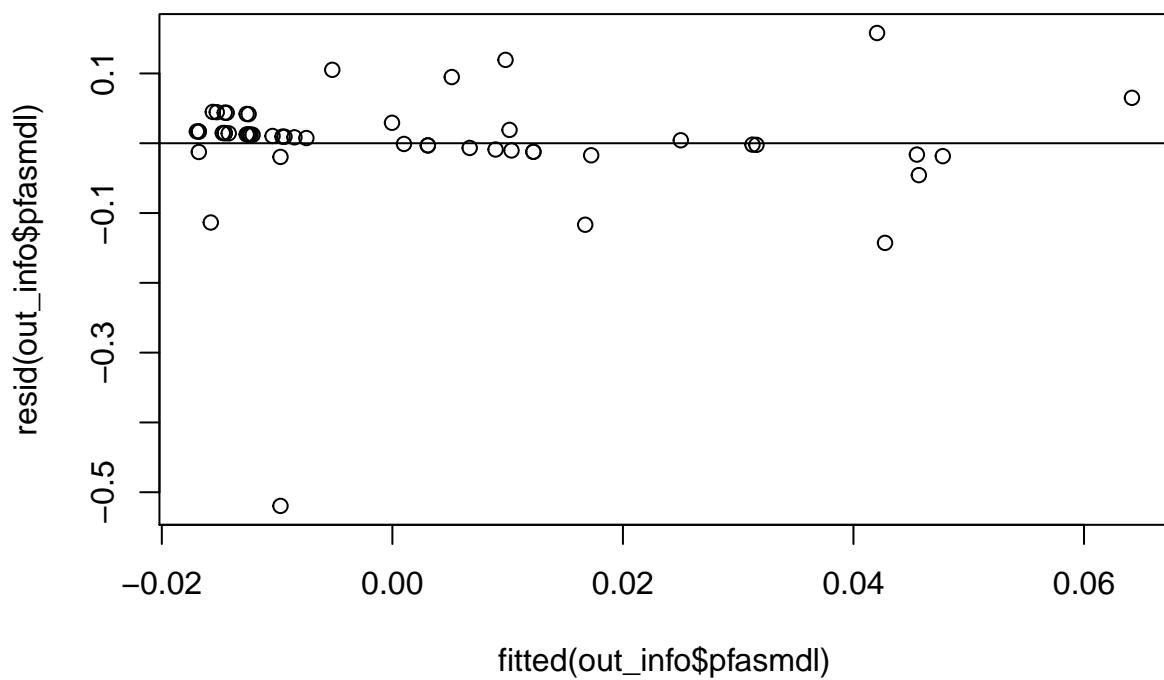
**Normal Q-Q Plot**



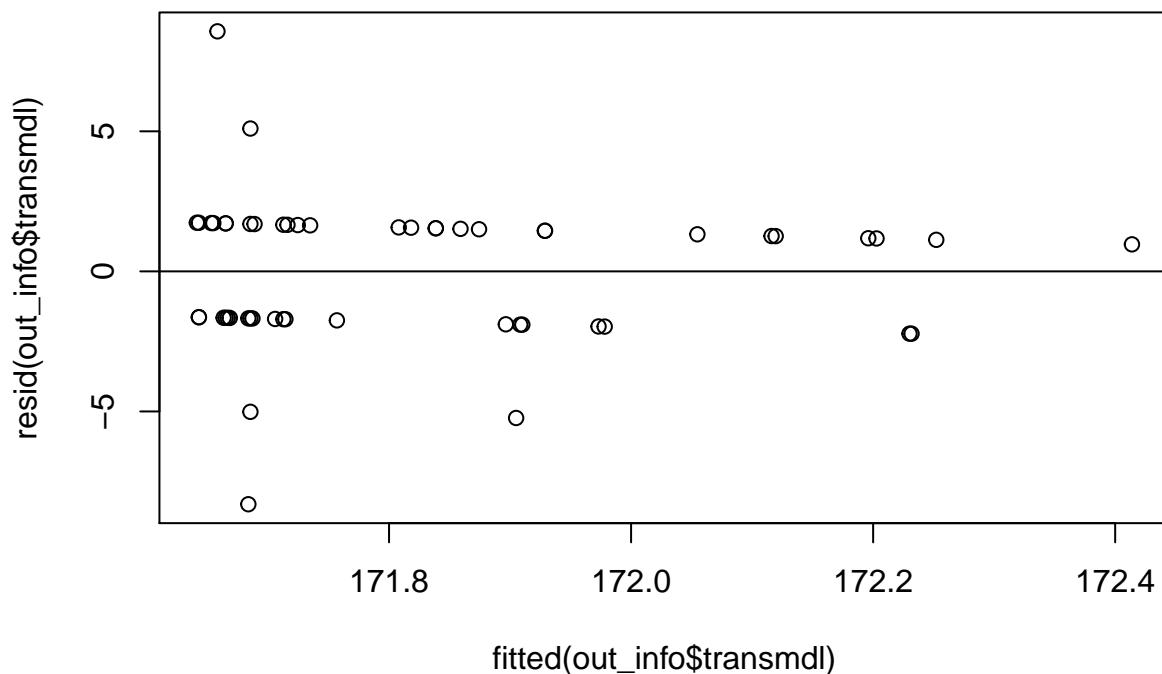
### Normal Q-Q Plot



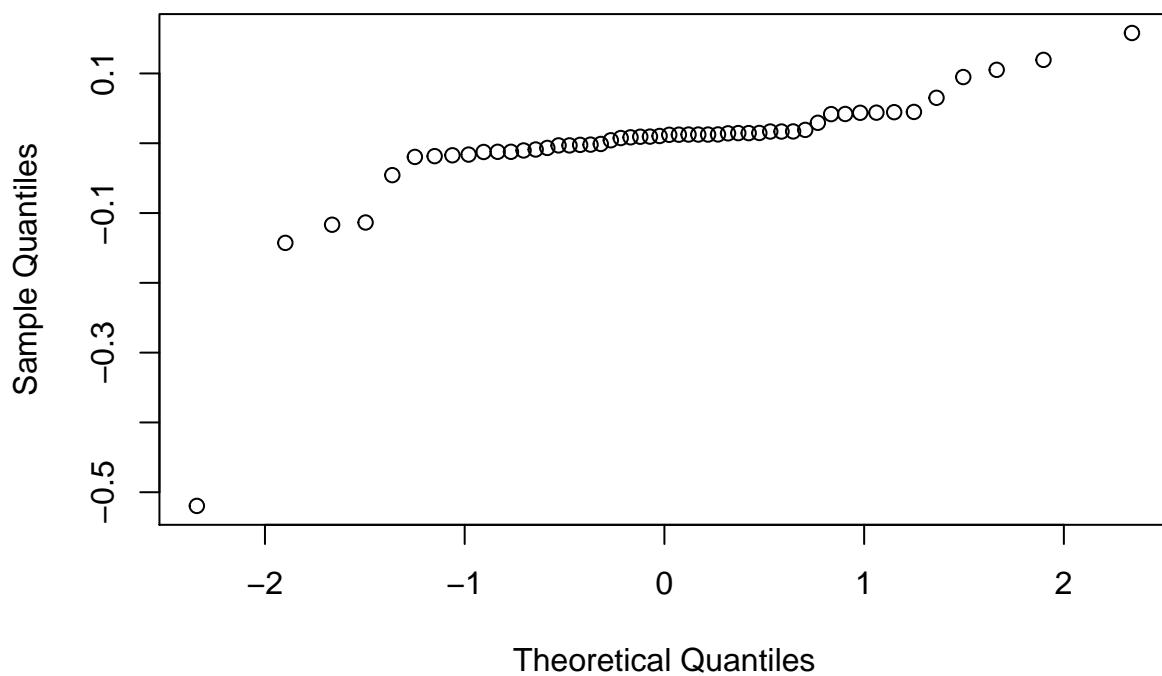
**Plot of SbPFOAorig+  
Plot of SbPFOAorigdays.since.struc.MRF  
Plot of SbPFOAorigEthnicity**



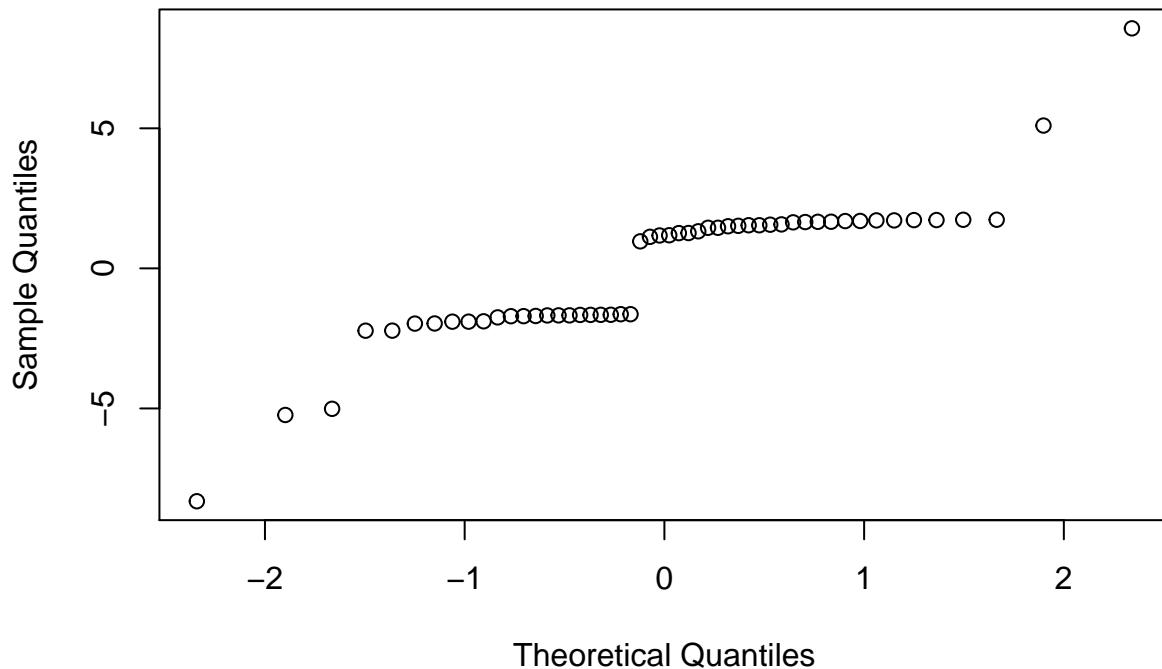
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.struc.MRF  
Plot of PFDEAtransEthnicity**



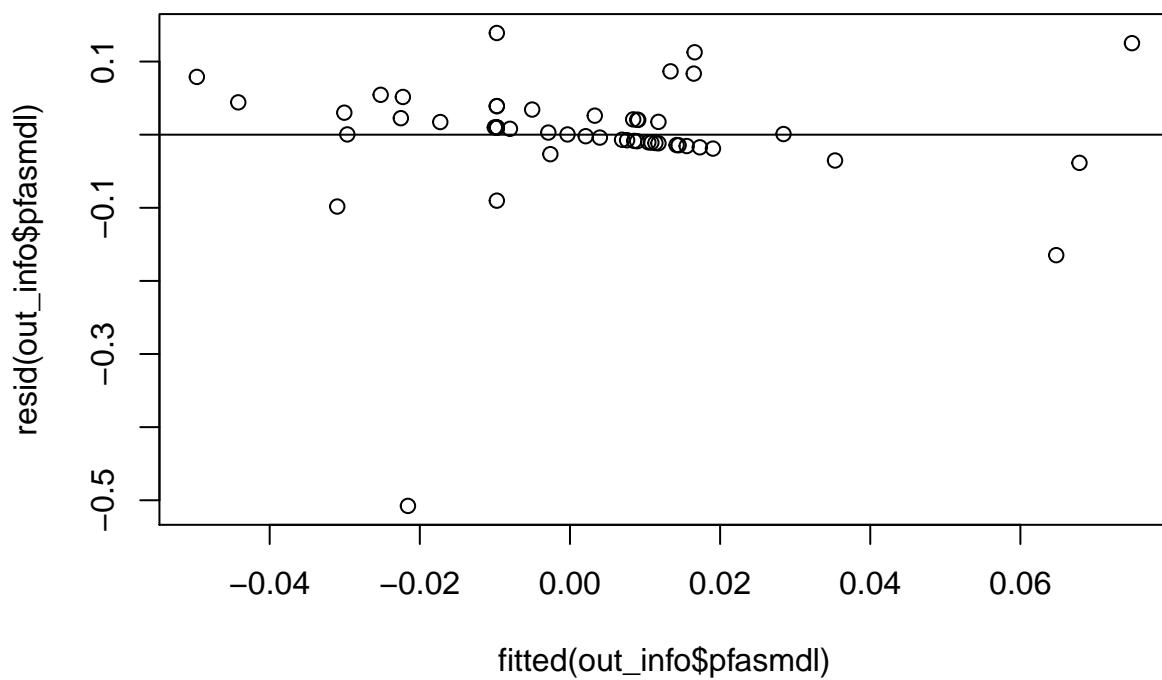
**Normal Q-Q Plot**



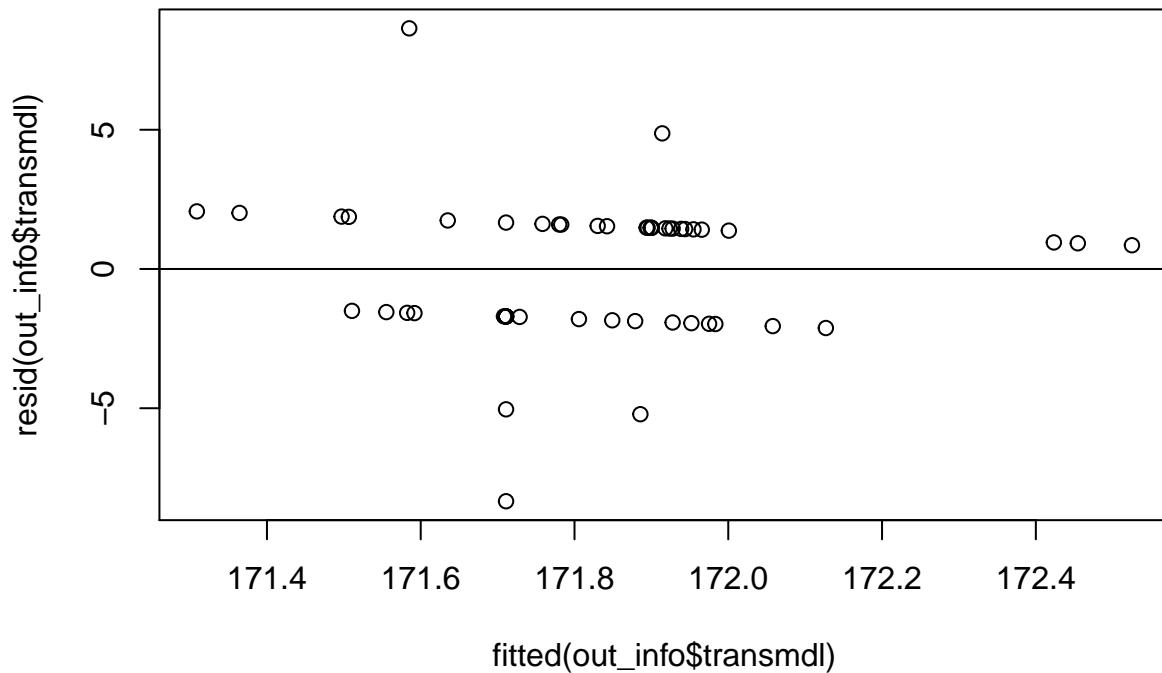
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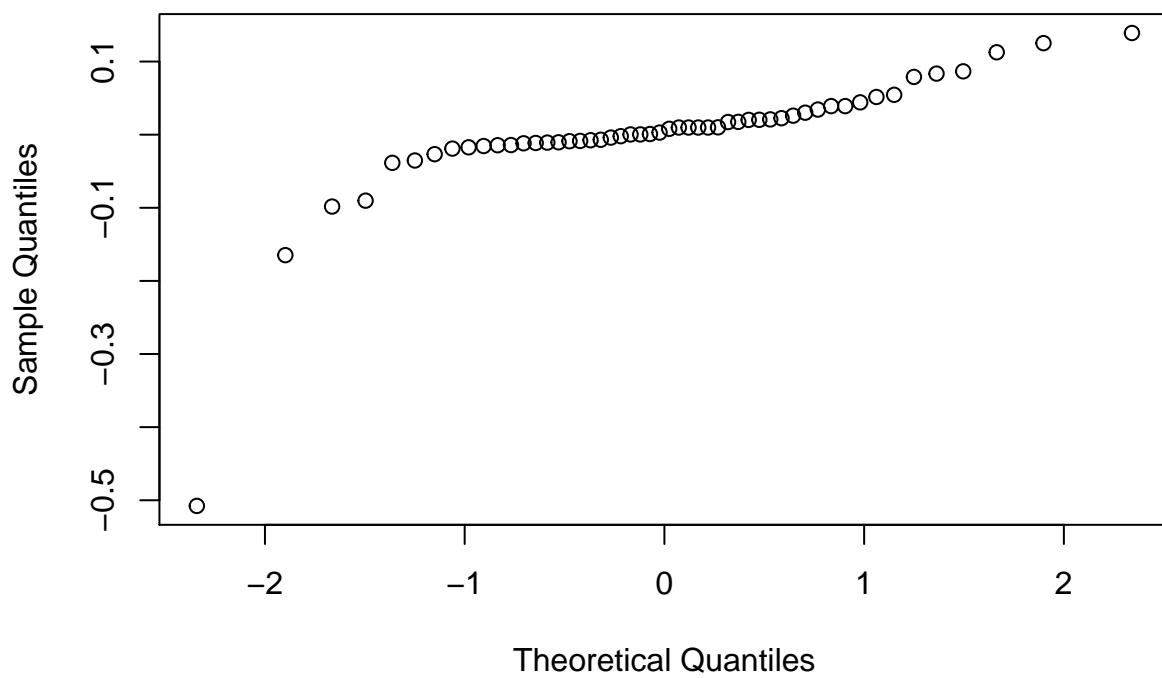
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtime.since.baseline  
Plot of SbPFOAorigEthnicity**



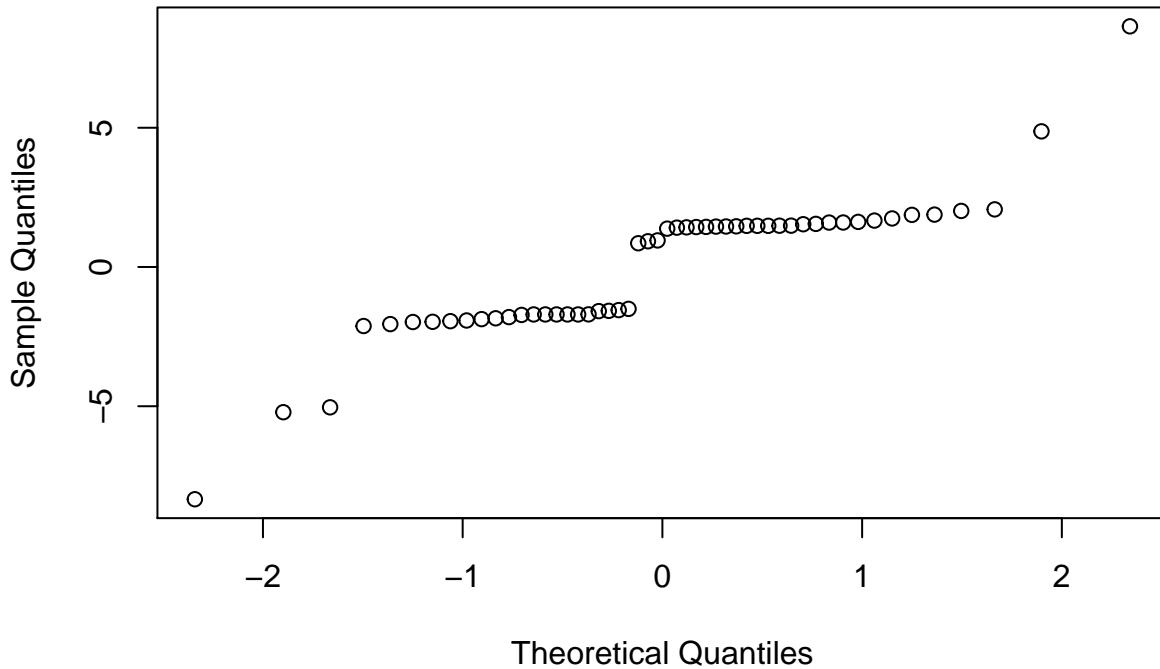
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Plot of PFDEAtranstime.since.baseline  
Plot of PFDEAtransEthnicity**



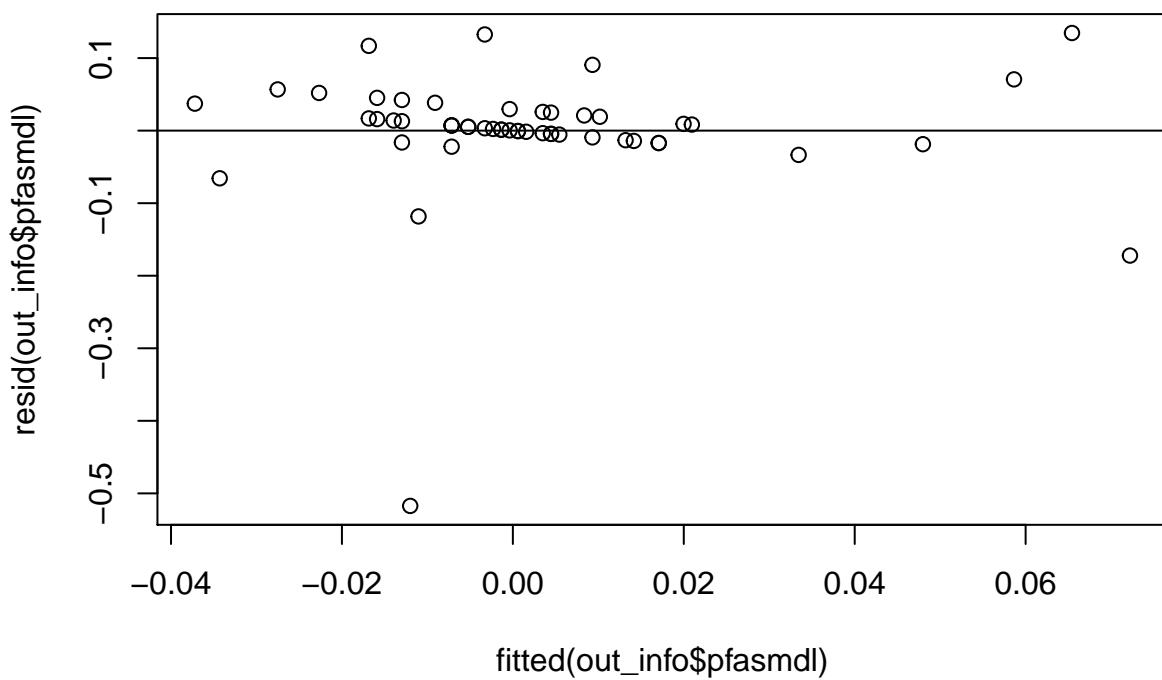
**Normal Q-Q Plot**



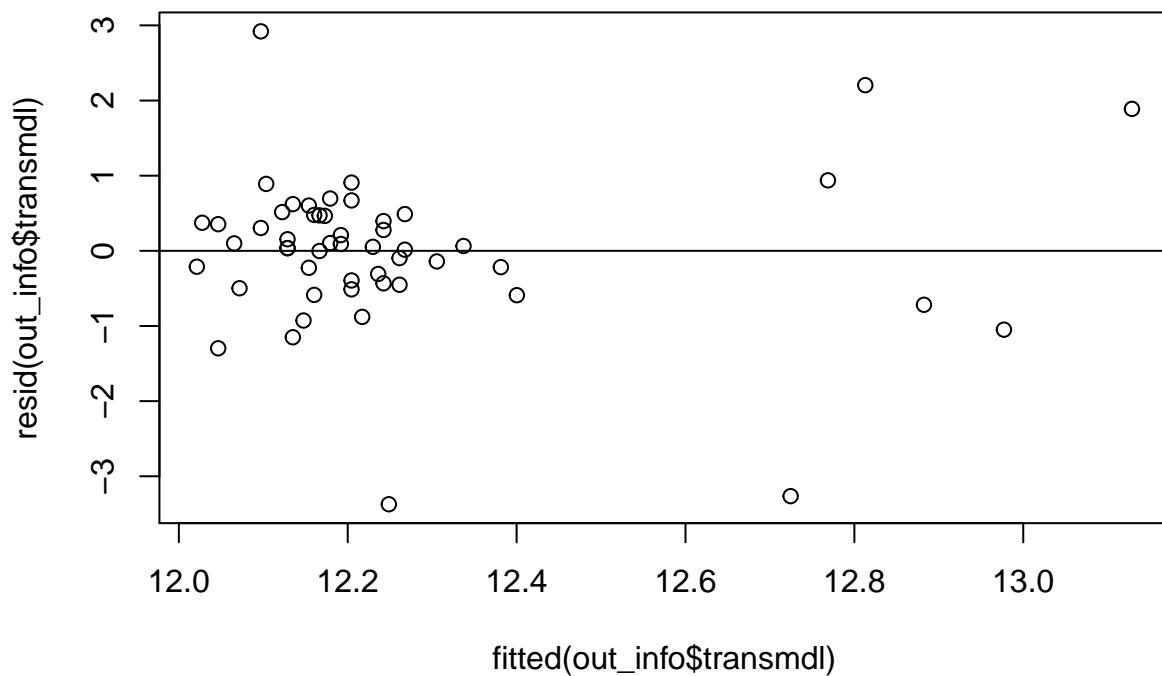
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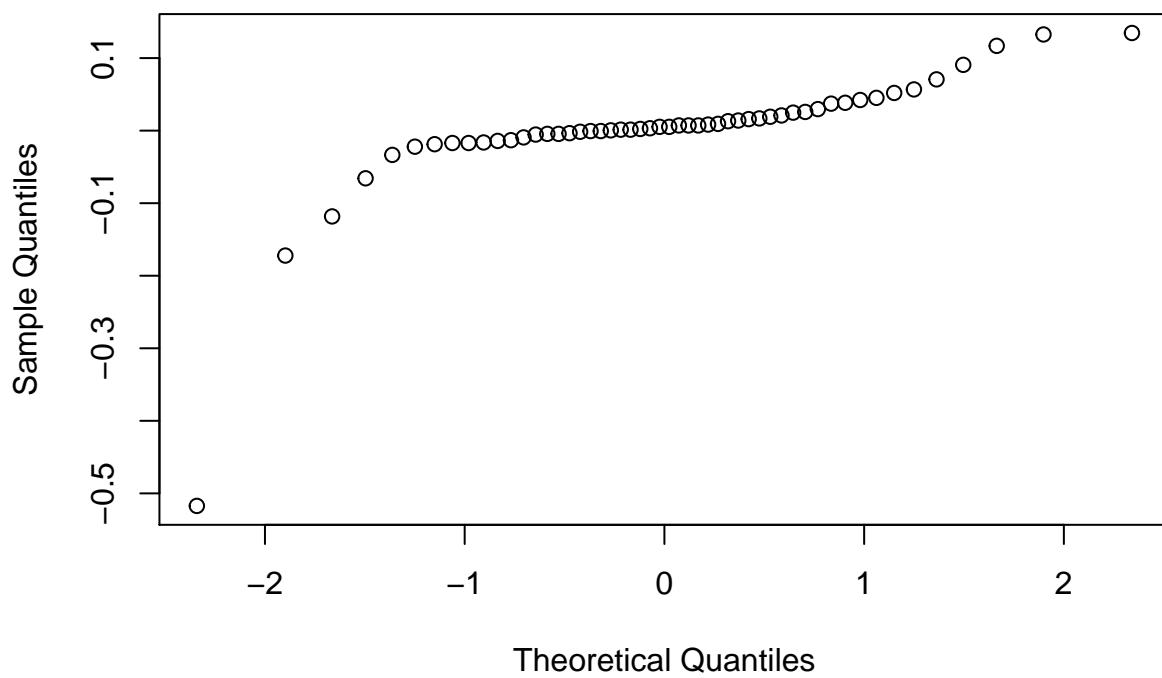
Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity



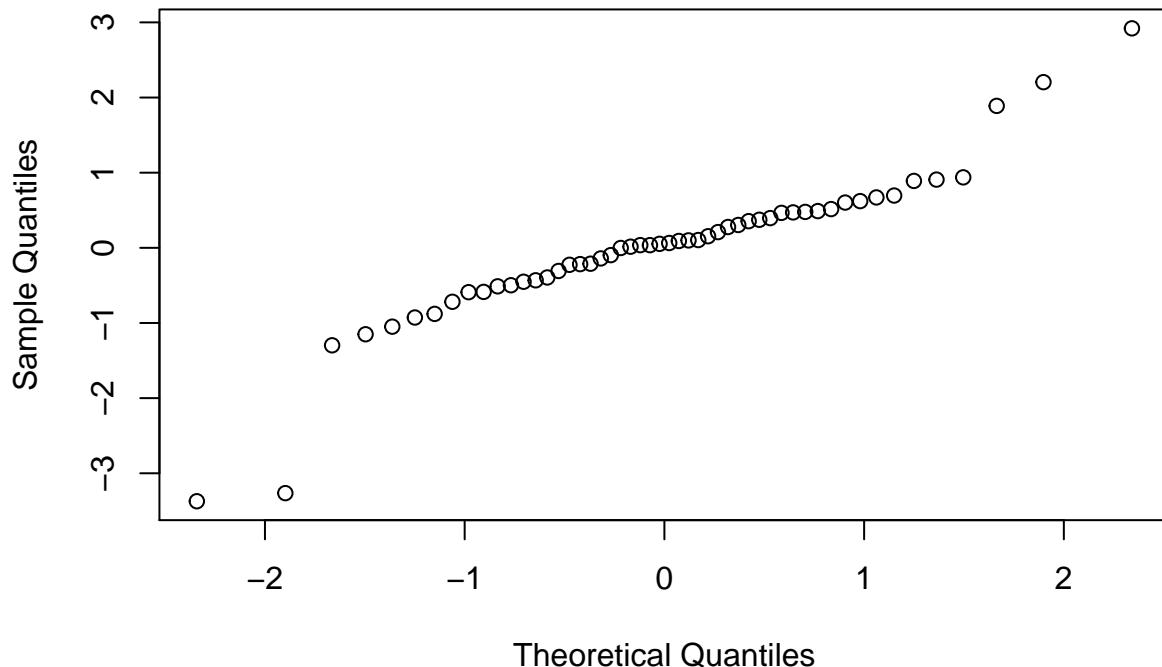
**Plot of PFHXStrans+  
Plot of PFHXStran total.num.fireruns  
Plot of PFHXStransEthnicity**



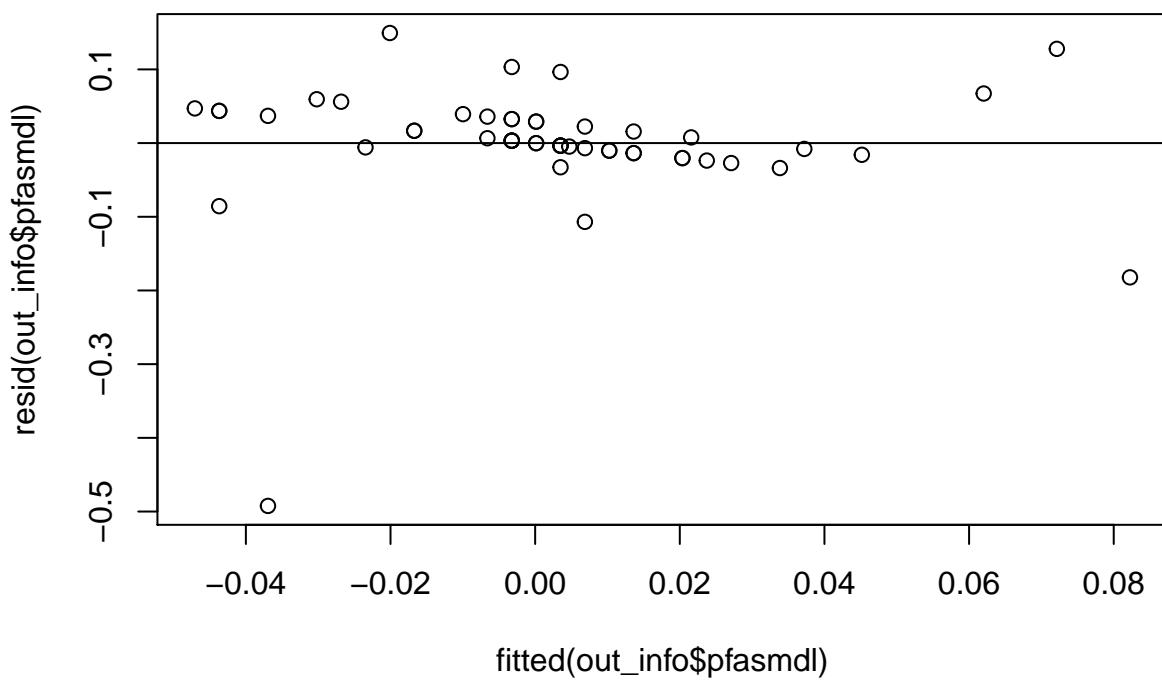
**Normal Q-Q Plot**



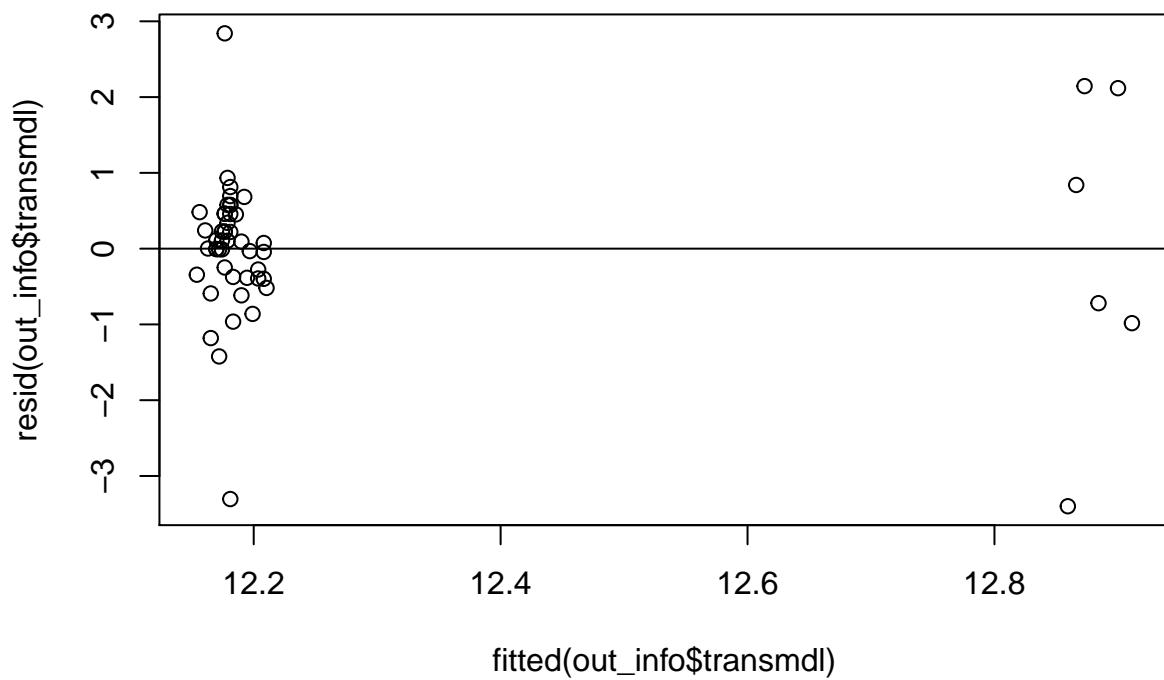
### Normal Q-Q Plot



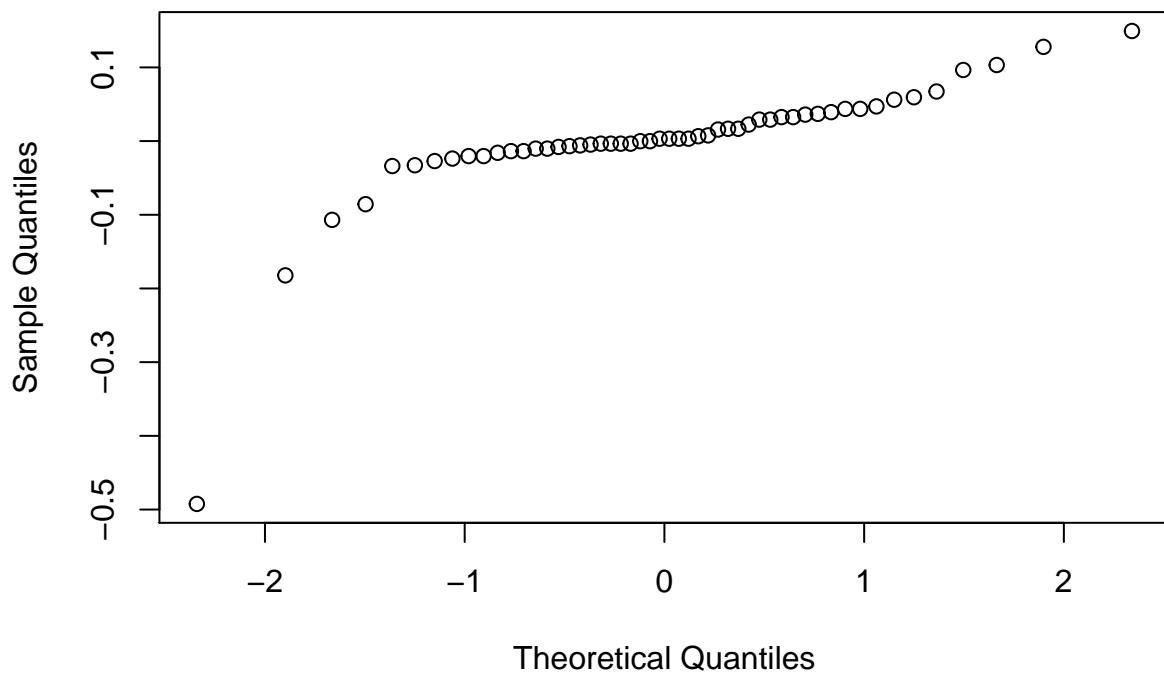
Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.num.fireruns  
Plot of SbPFOAorigEthnicity



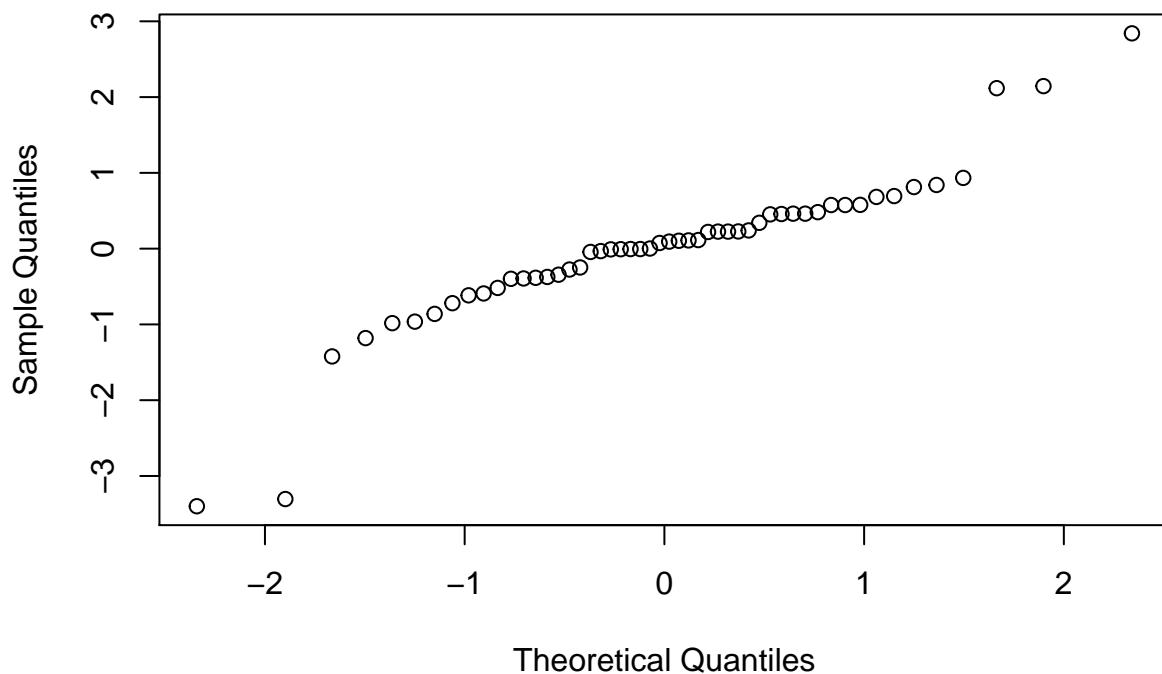
**Plot of PFHXStrans+  
Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



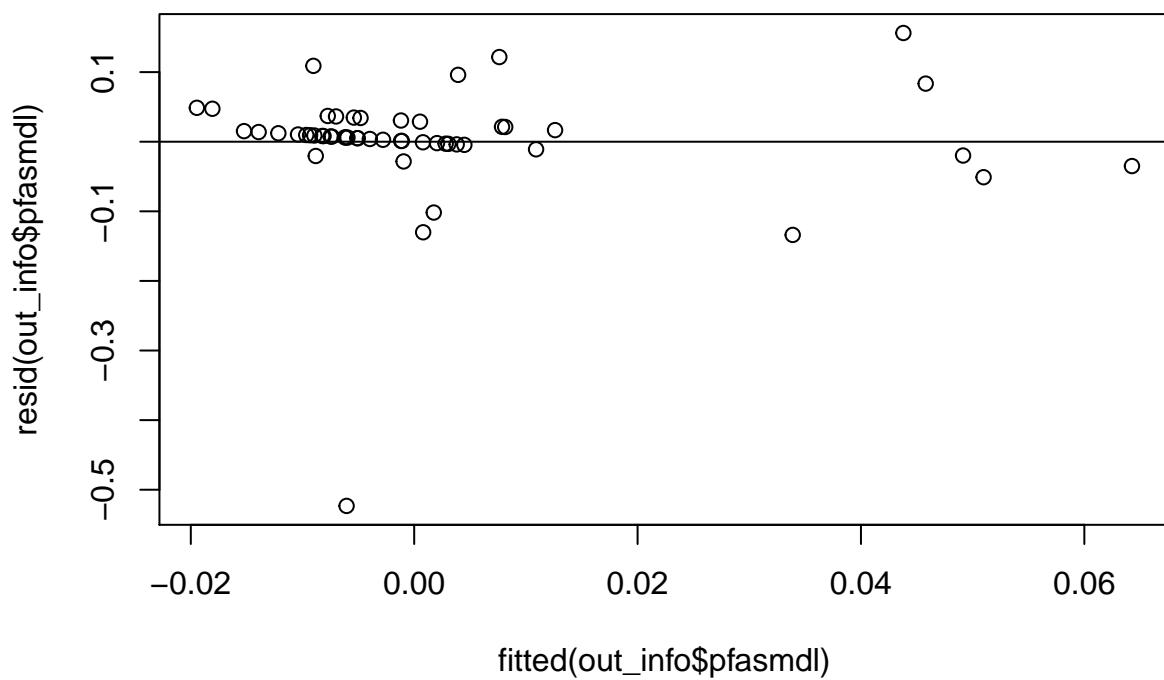
**Normal Q-Q Plot**



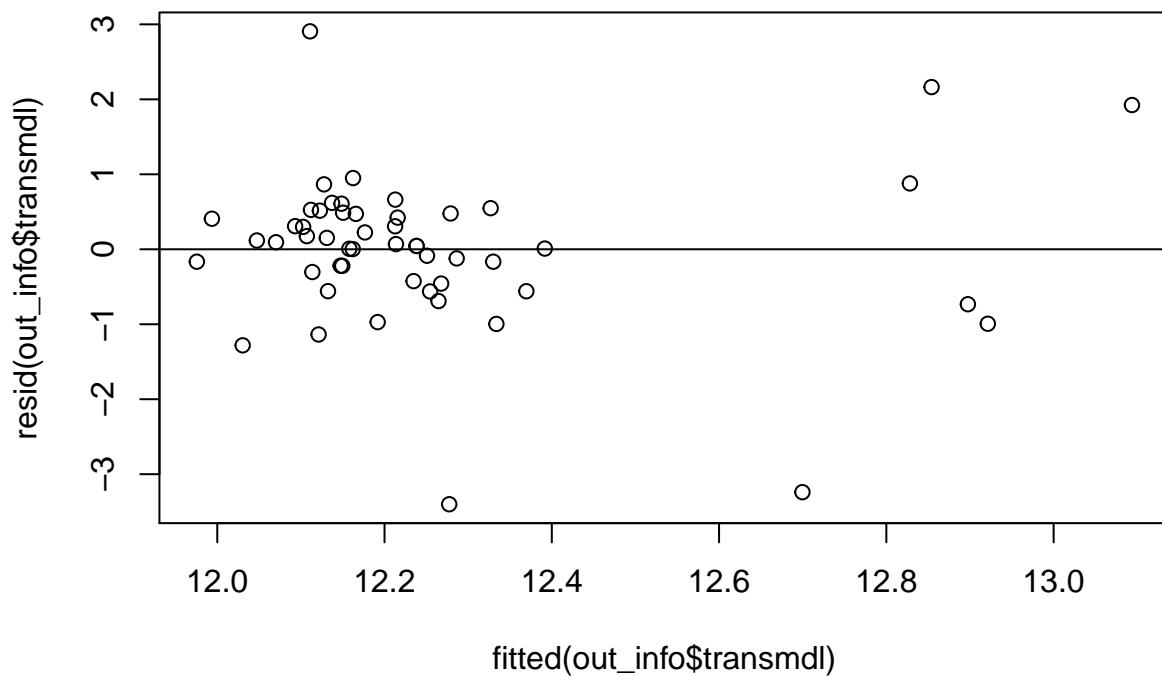
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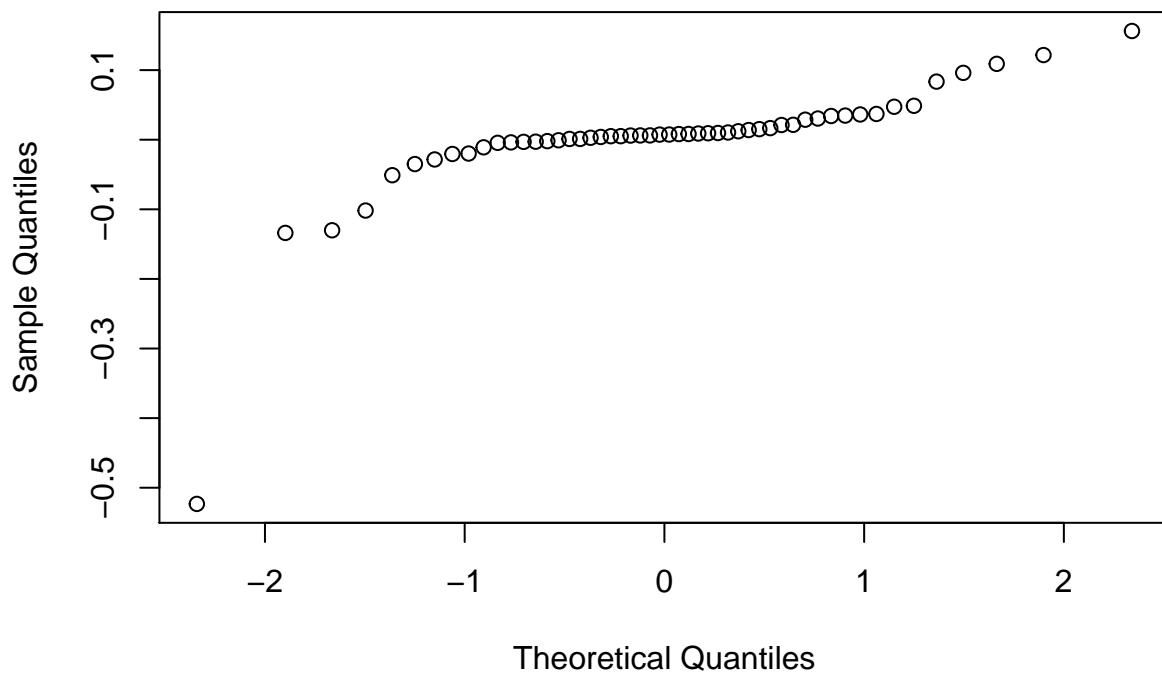
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.duration.hrs  
Plot of SbPFOAorigEthnicity**



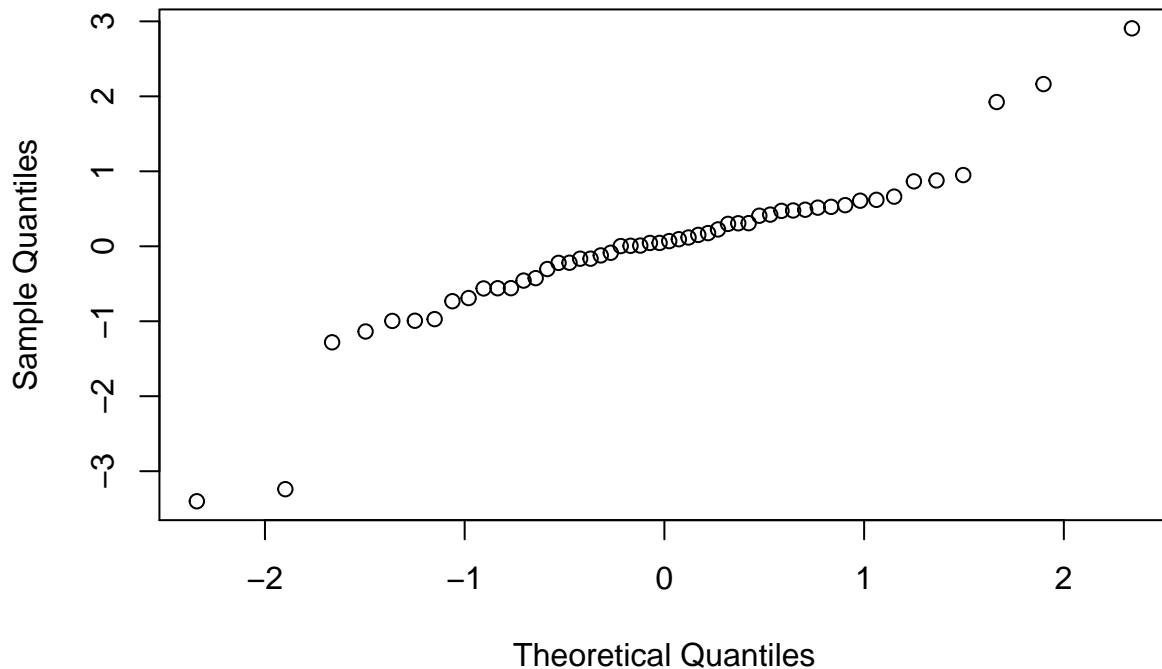
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



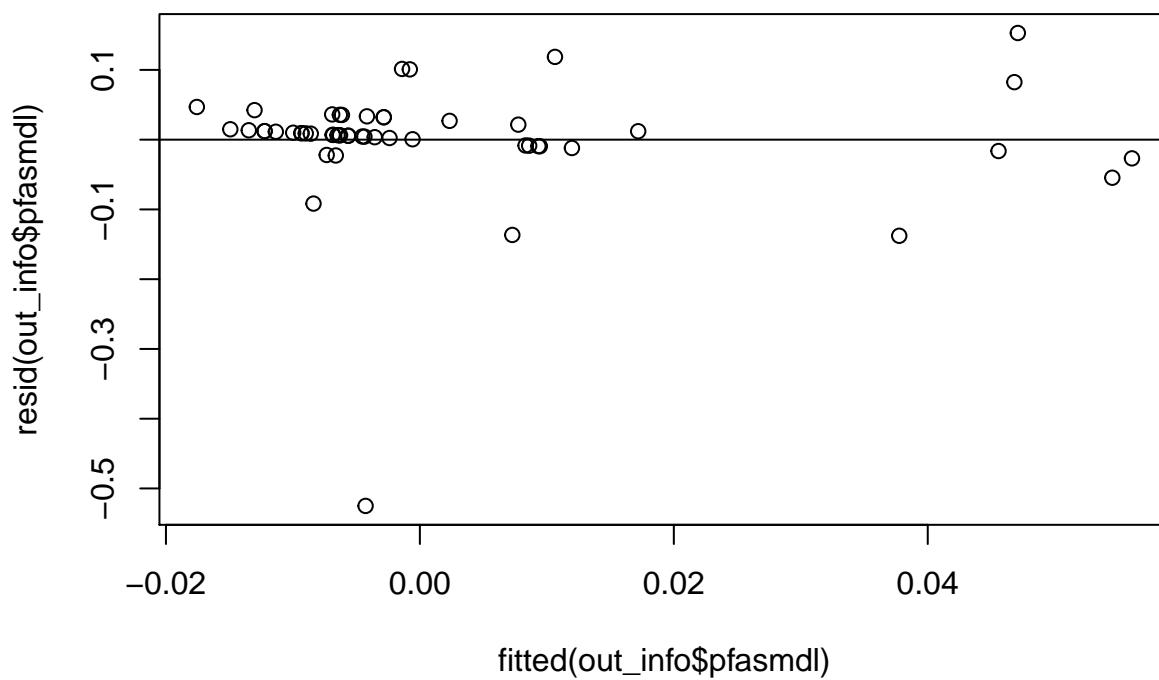
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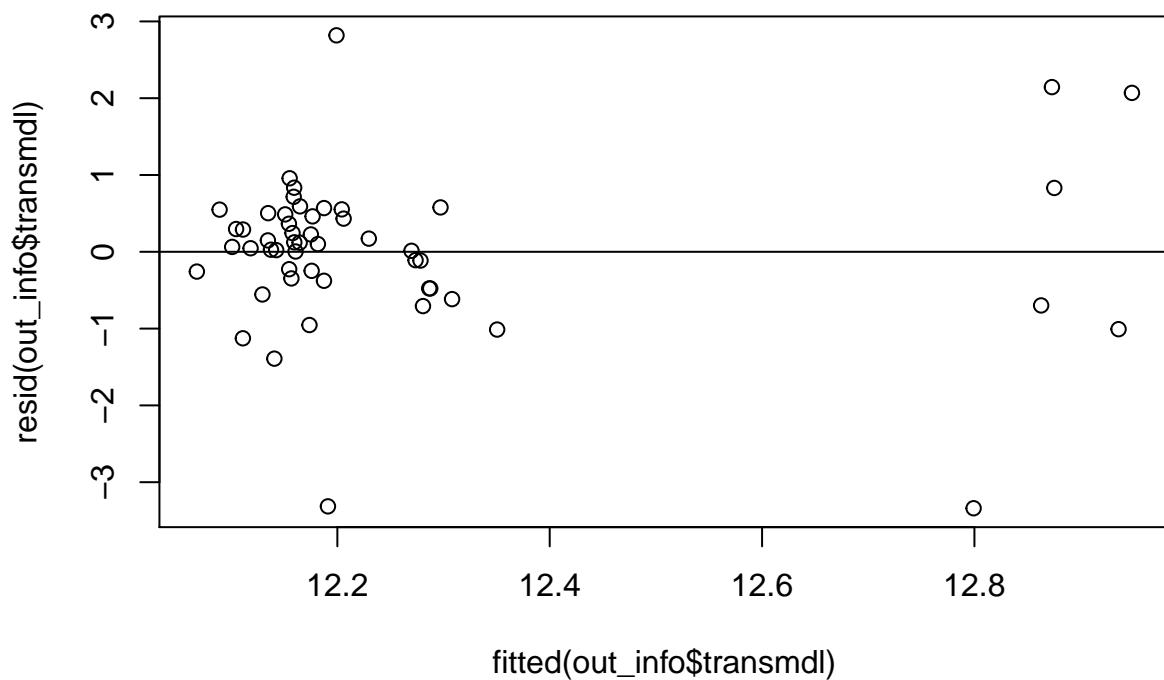
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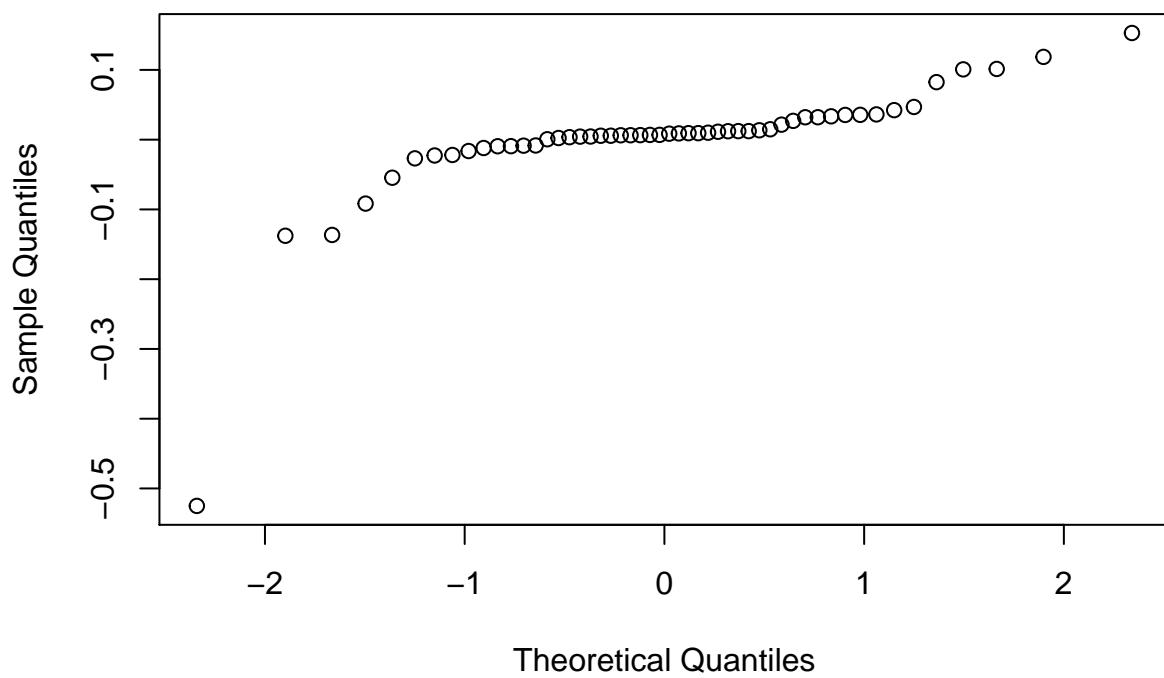
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.duration.hrs  
Plot of SbPFOAorigEthnicity**



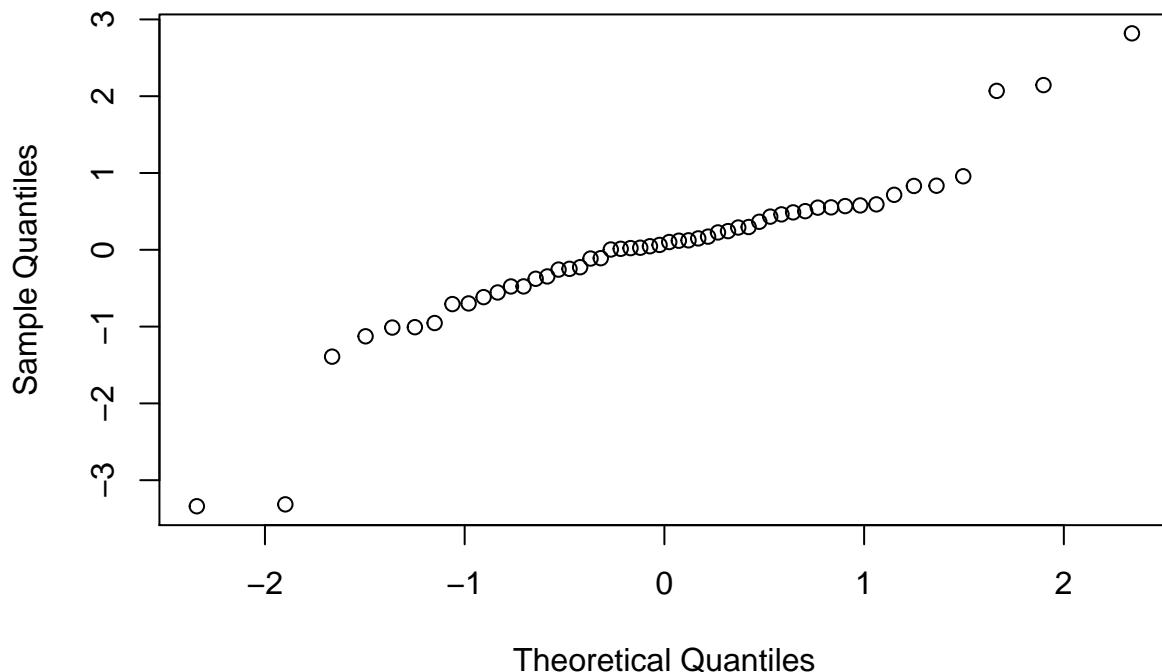
**Plot of PFHXStrans+  
Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



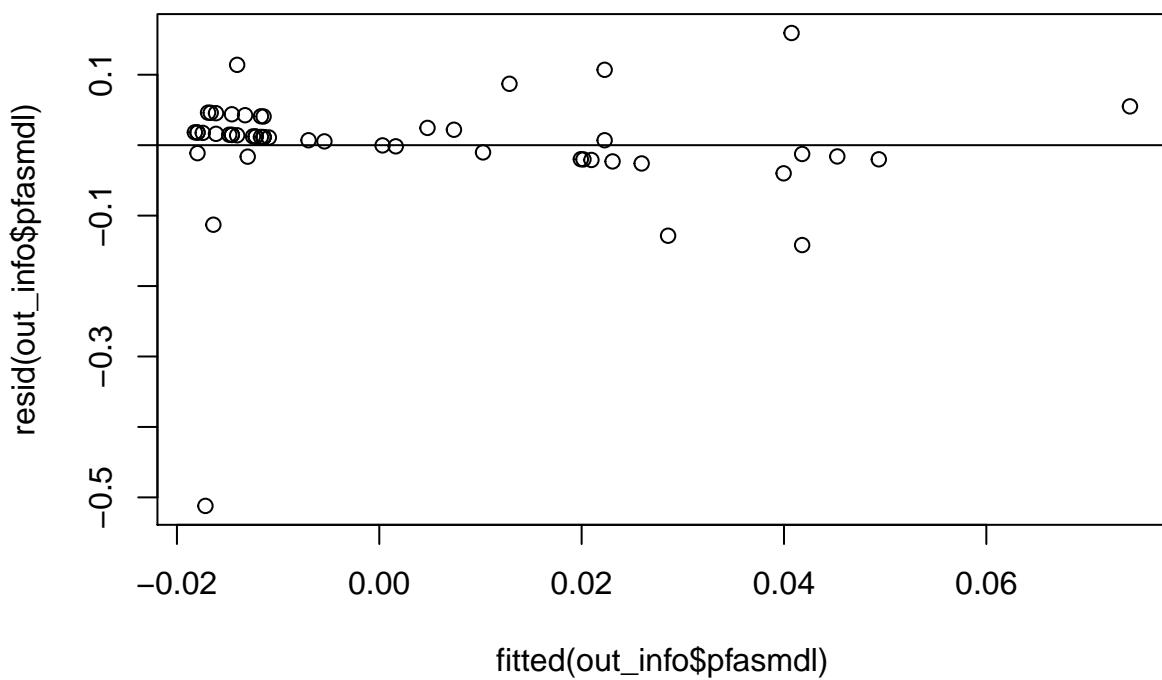
**Normal Q-Q Plot**



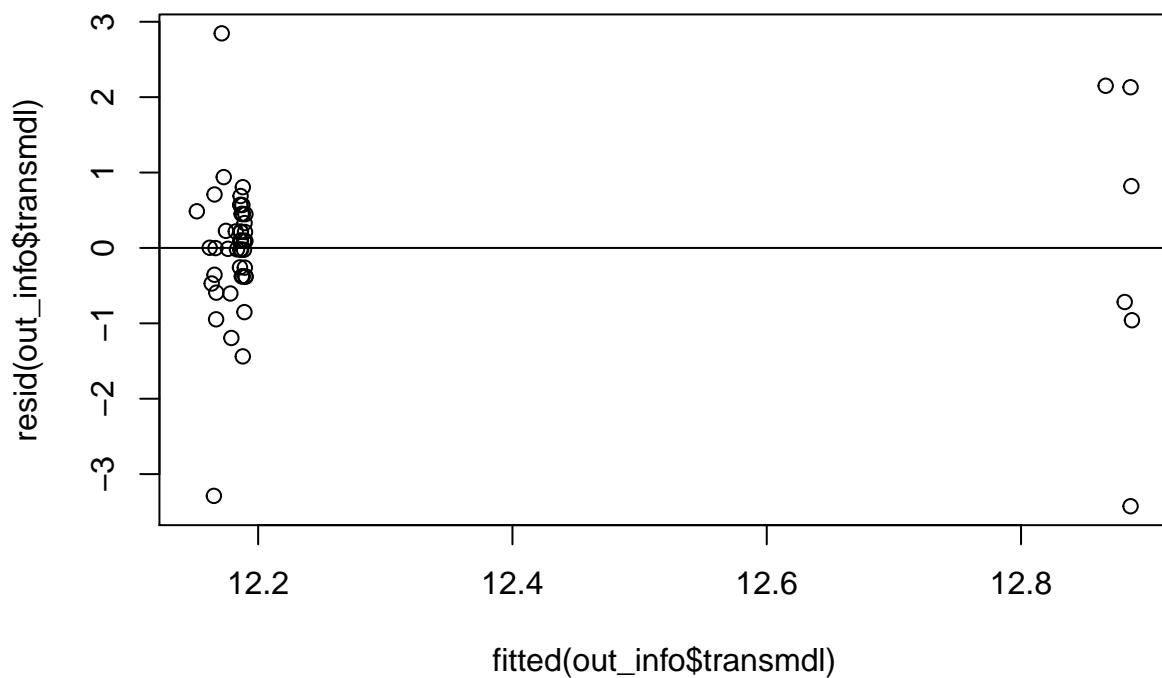
### Normal Q-Q Plot



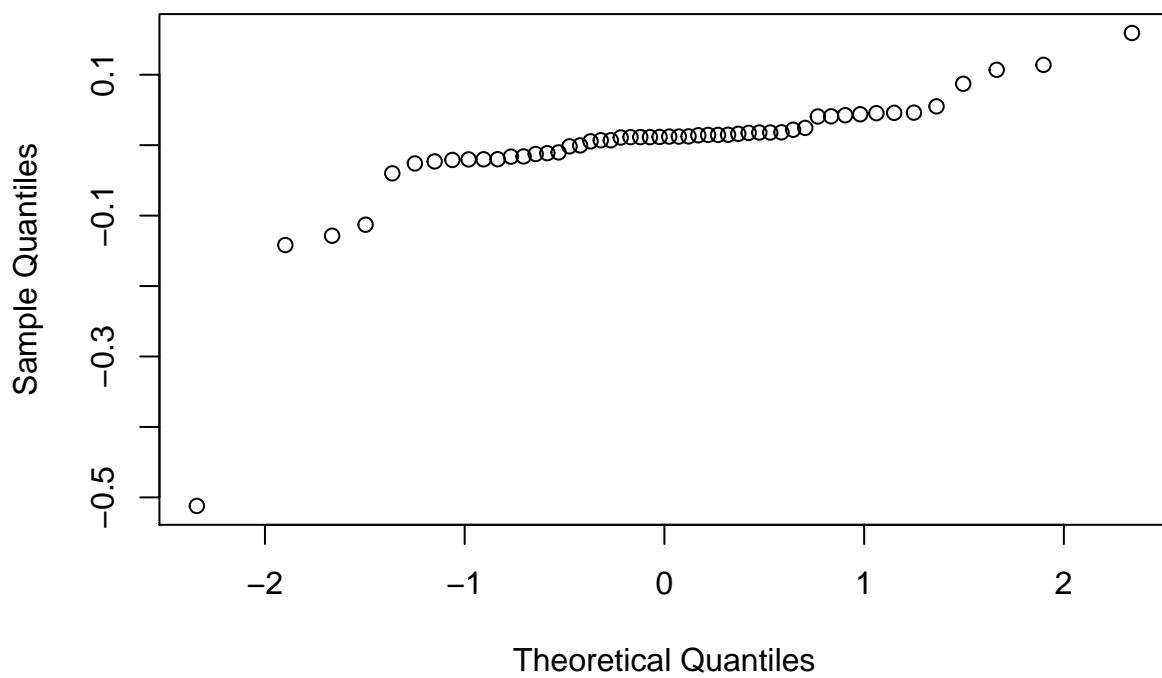
**Plot of SbPFOAorig+  
Plot of SbPFOAorigdays.since.MRF  
Plot of SbPFOAorigEthnicity**



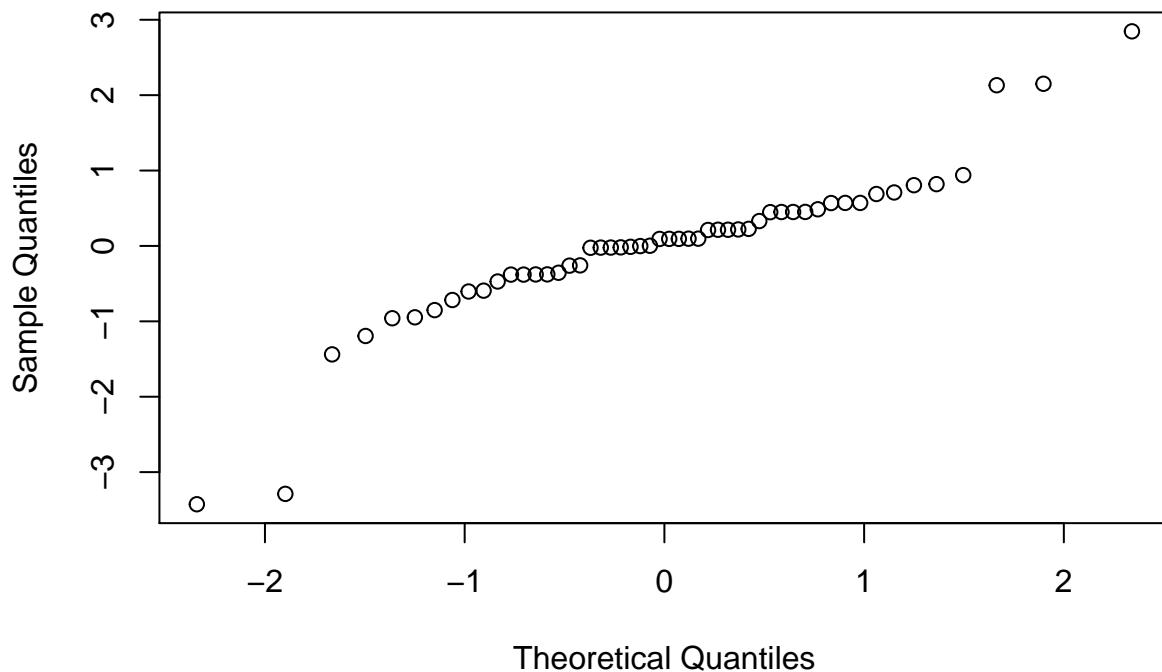
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



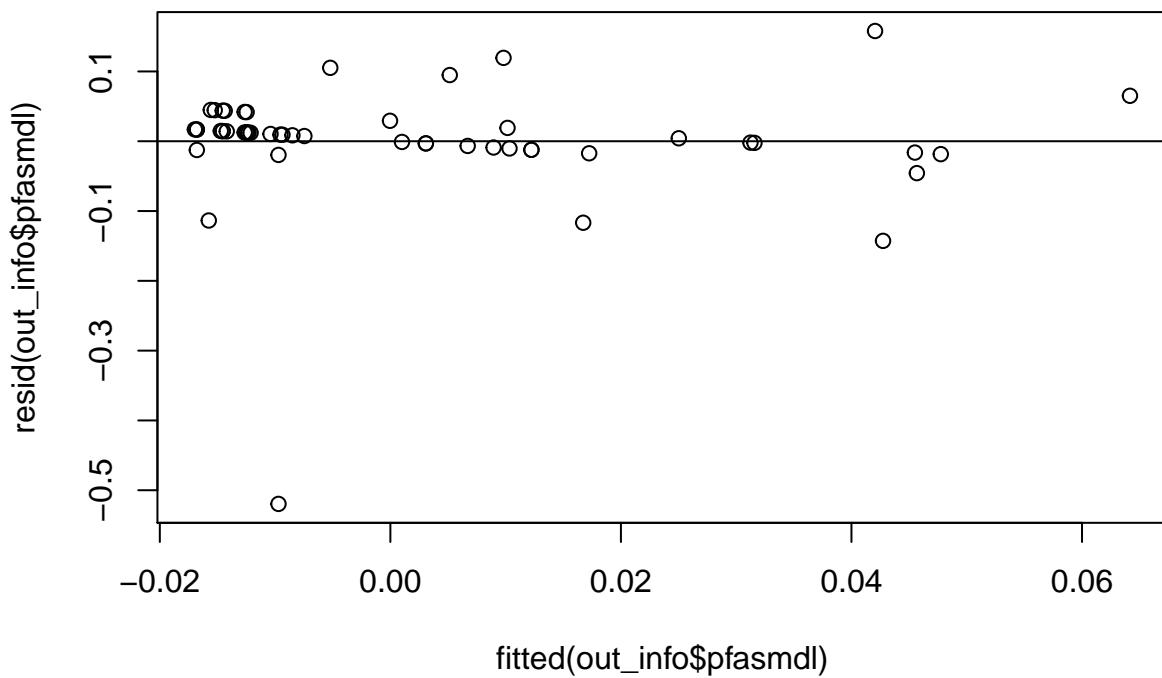
**Normal Q-Q Plot**



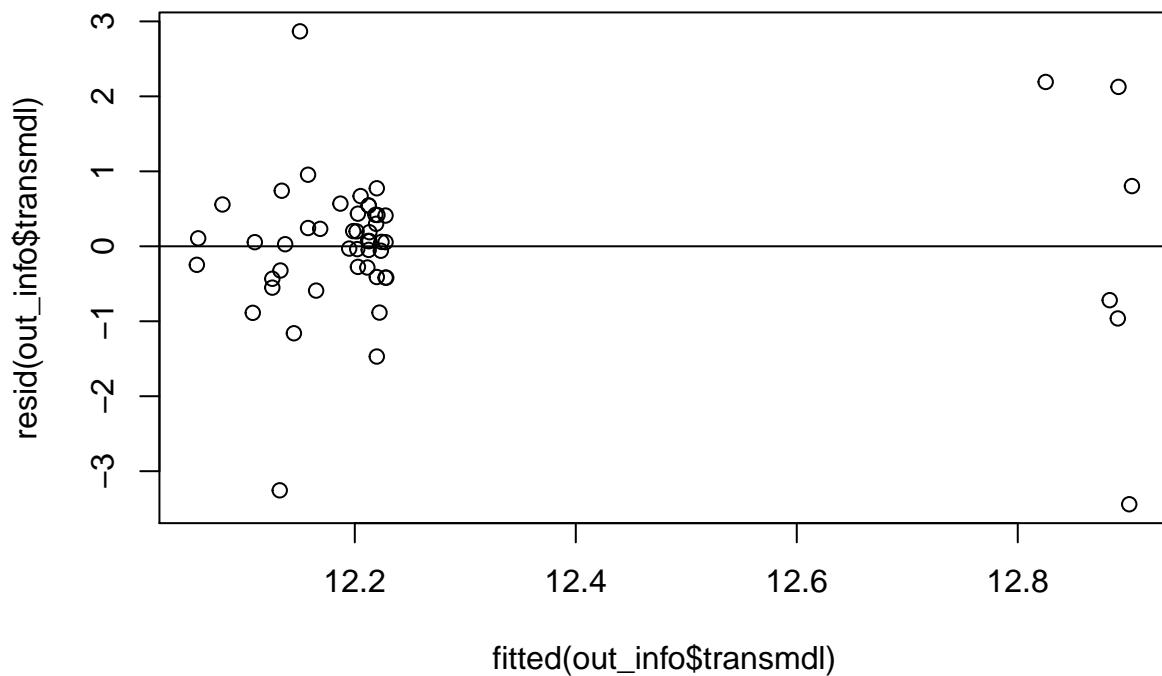
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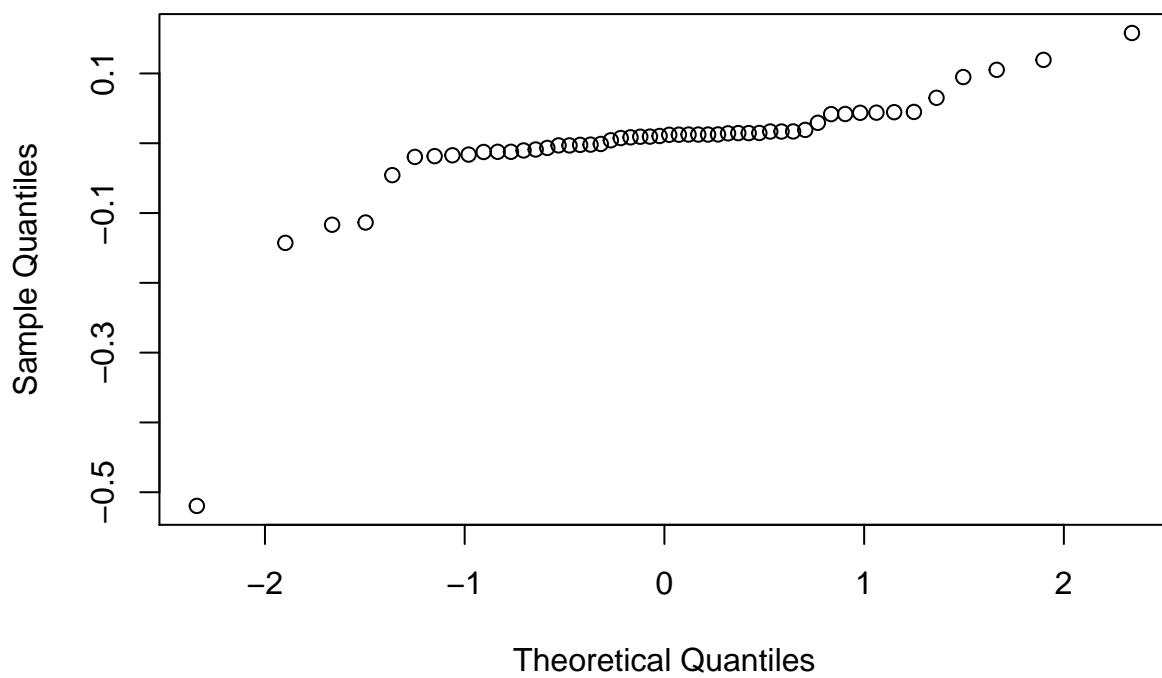
**Plot of SbPFOAorig+  
Plot of SbPFOAorigdays.since.struc.MRF  
Plot of SbPFOAorigEthnicity**



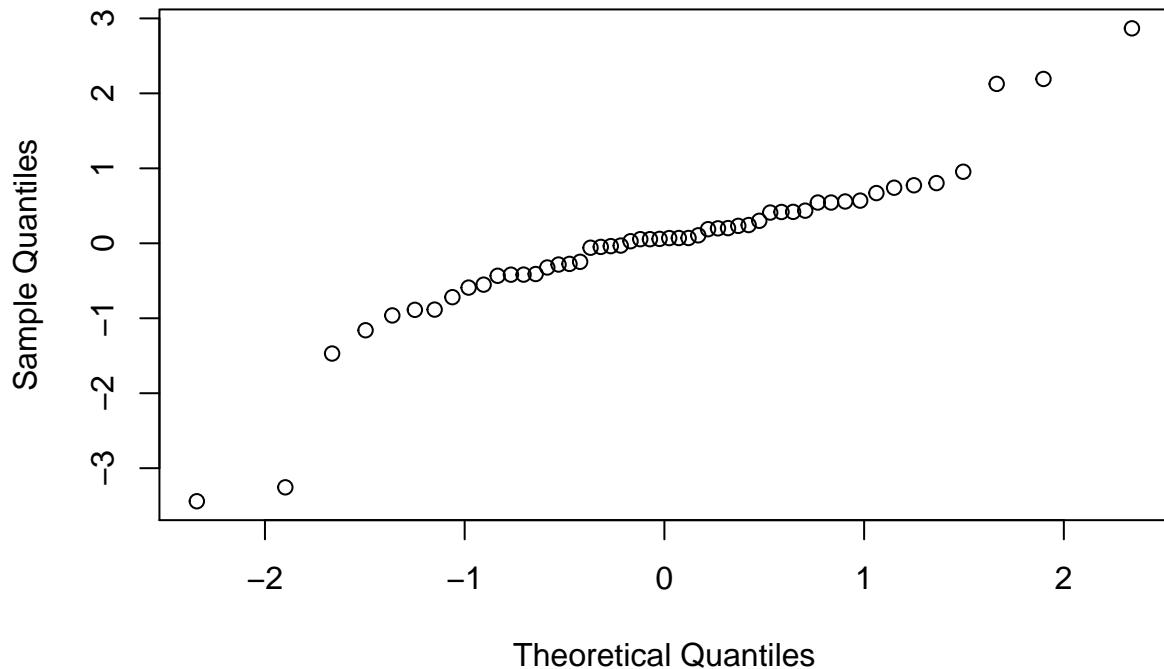
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.struc.MRF  
Plot of PFHXStransEthnicity**



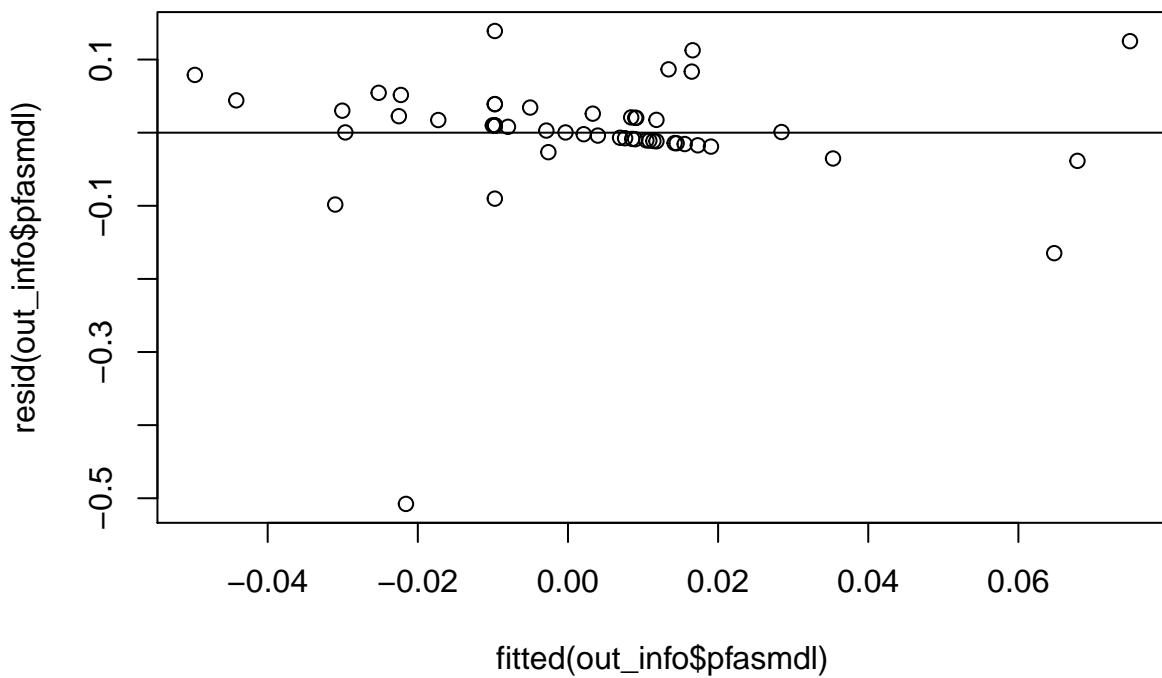
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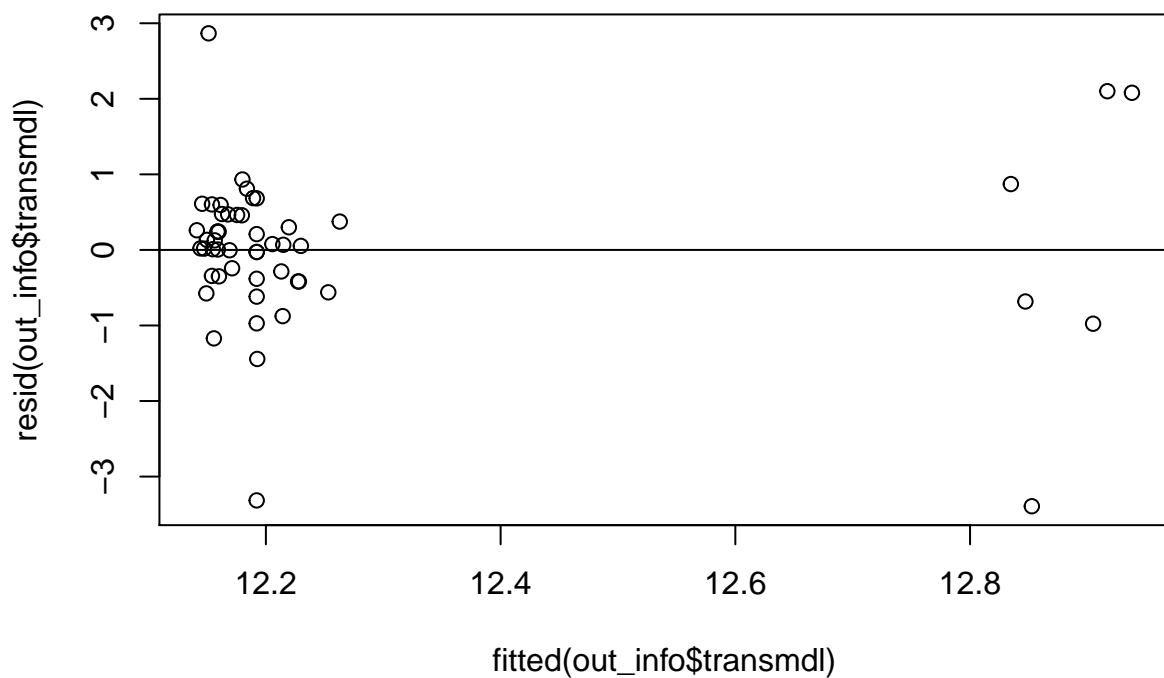
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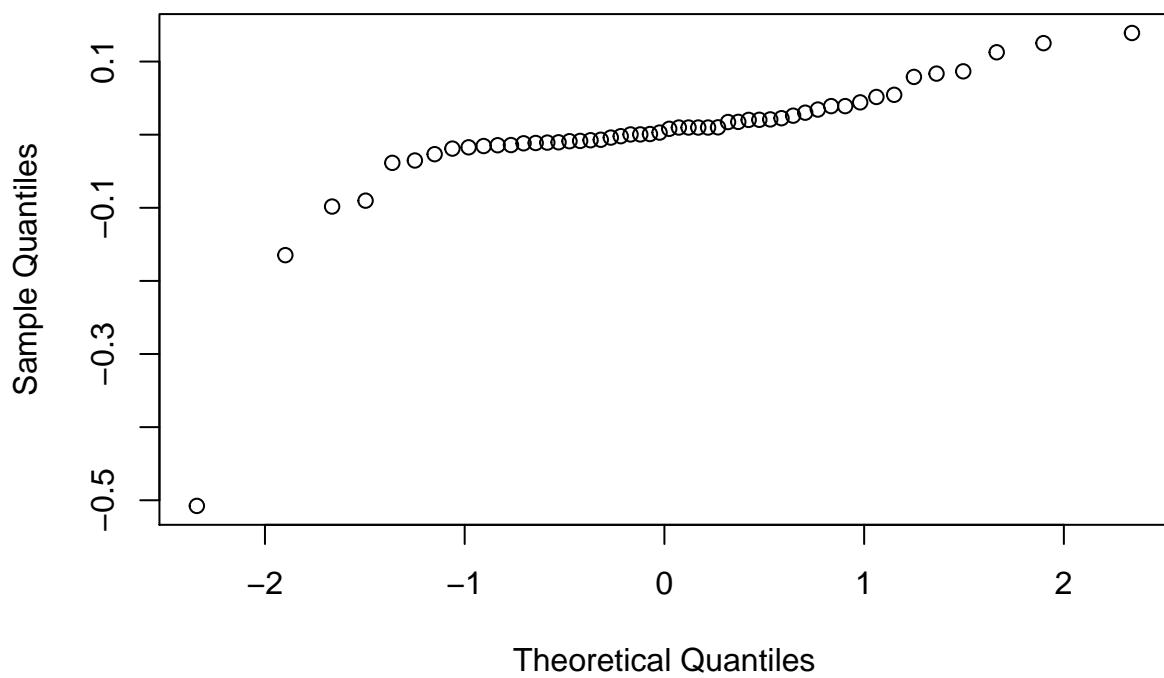
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtime.since.baseline  
Plot of SbPFOAorigEthnicity**



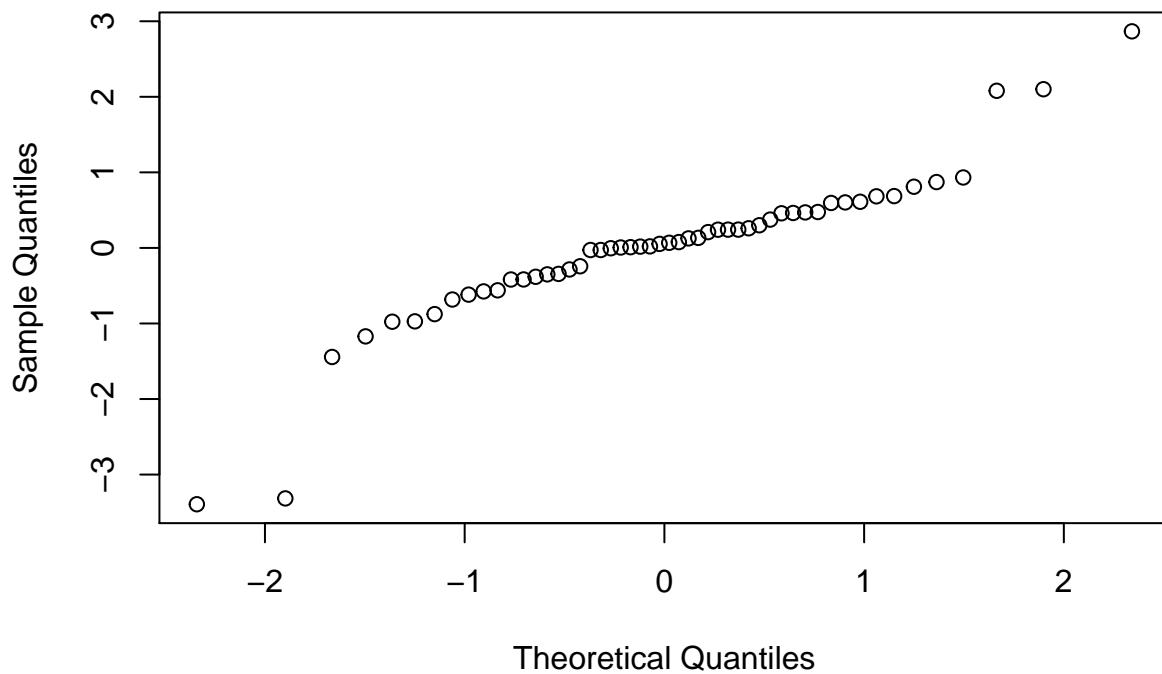
**Plot of PFHXStrans+  
Plot of PFHXStranstime.since.baseline  
Plot of PFHXStransEthnicity**



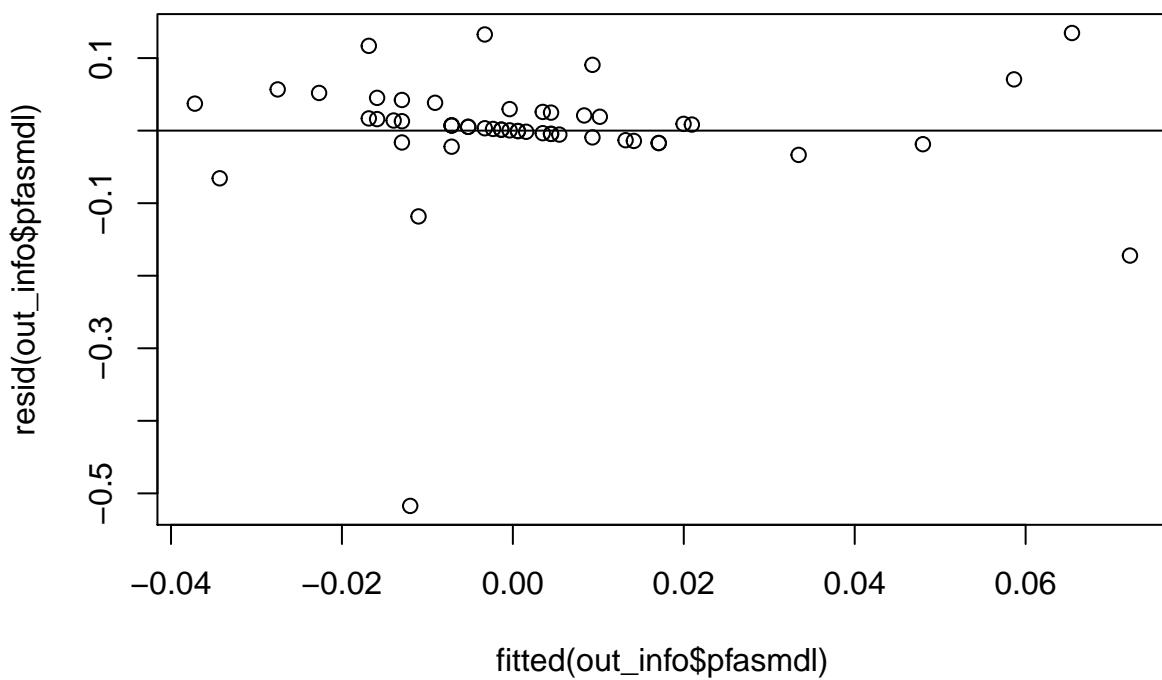
**Normal Q-Q Plot**



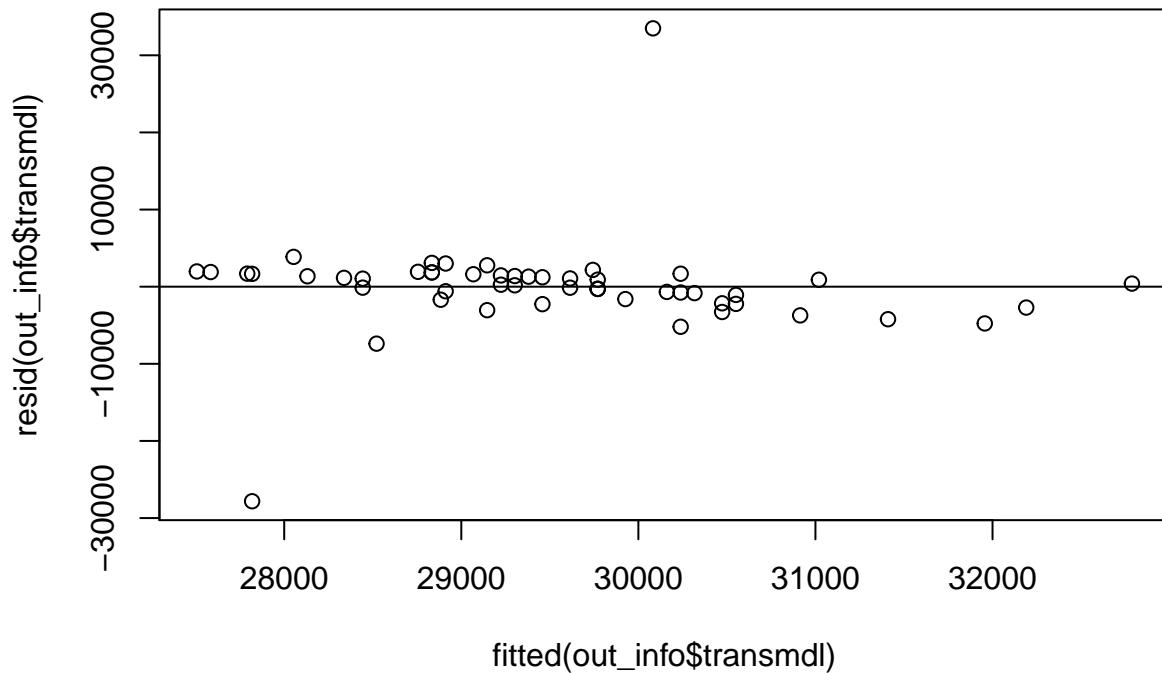
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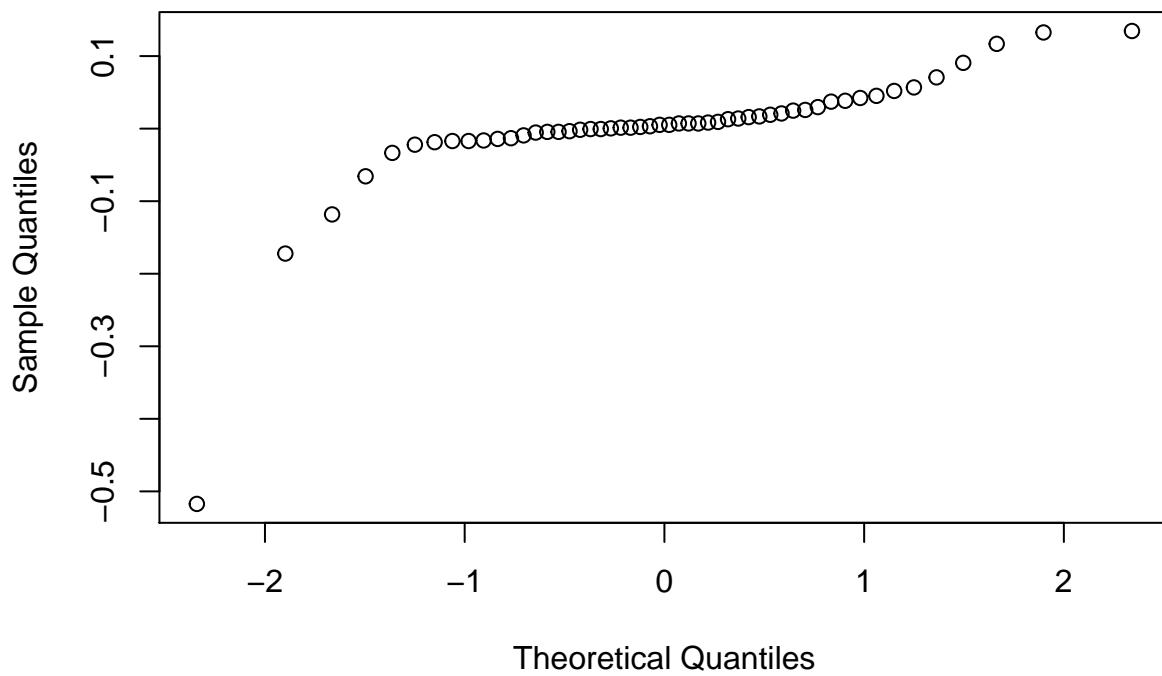
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity**



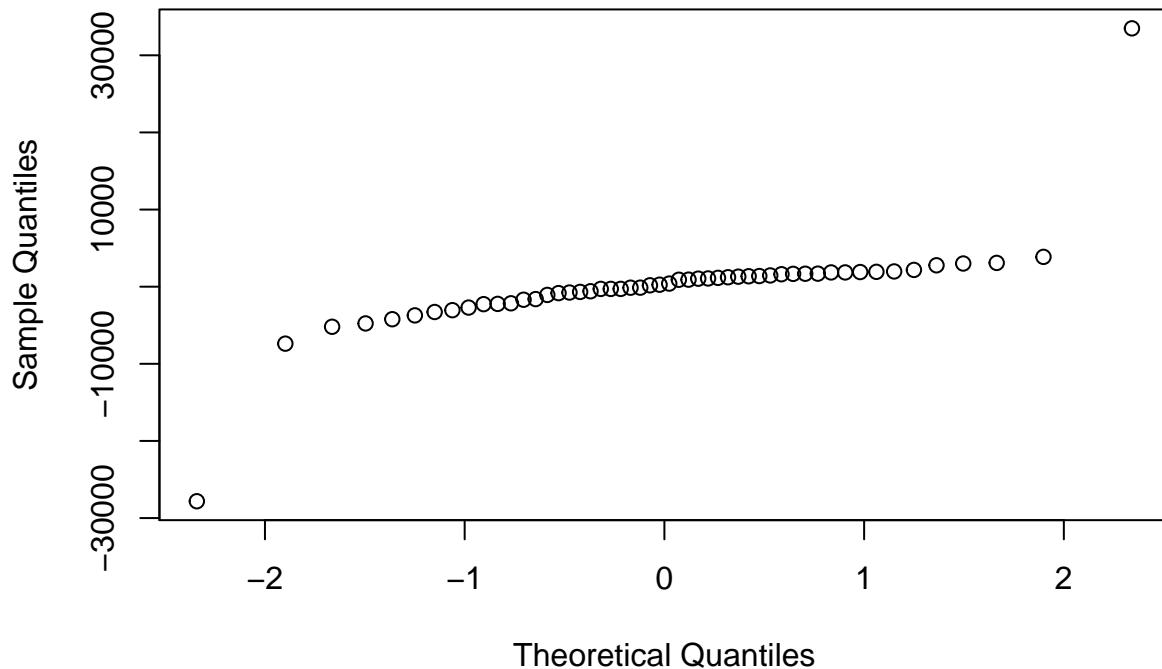
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



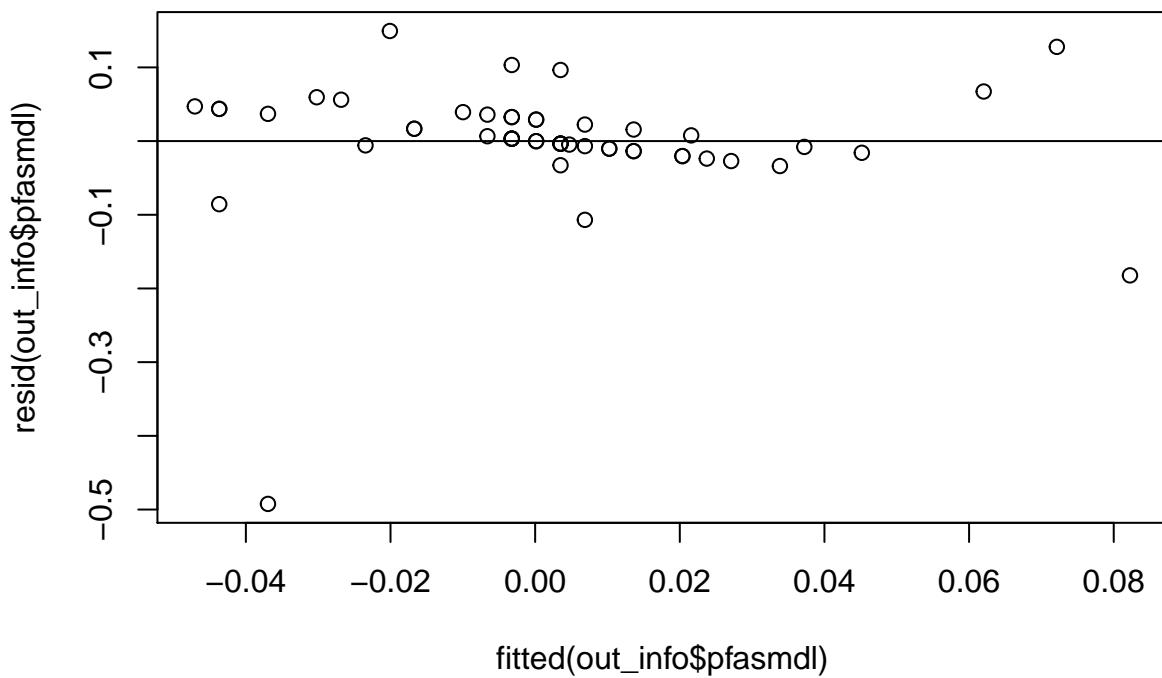
**Normal Q-Q Plot**



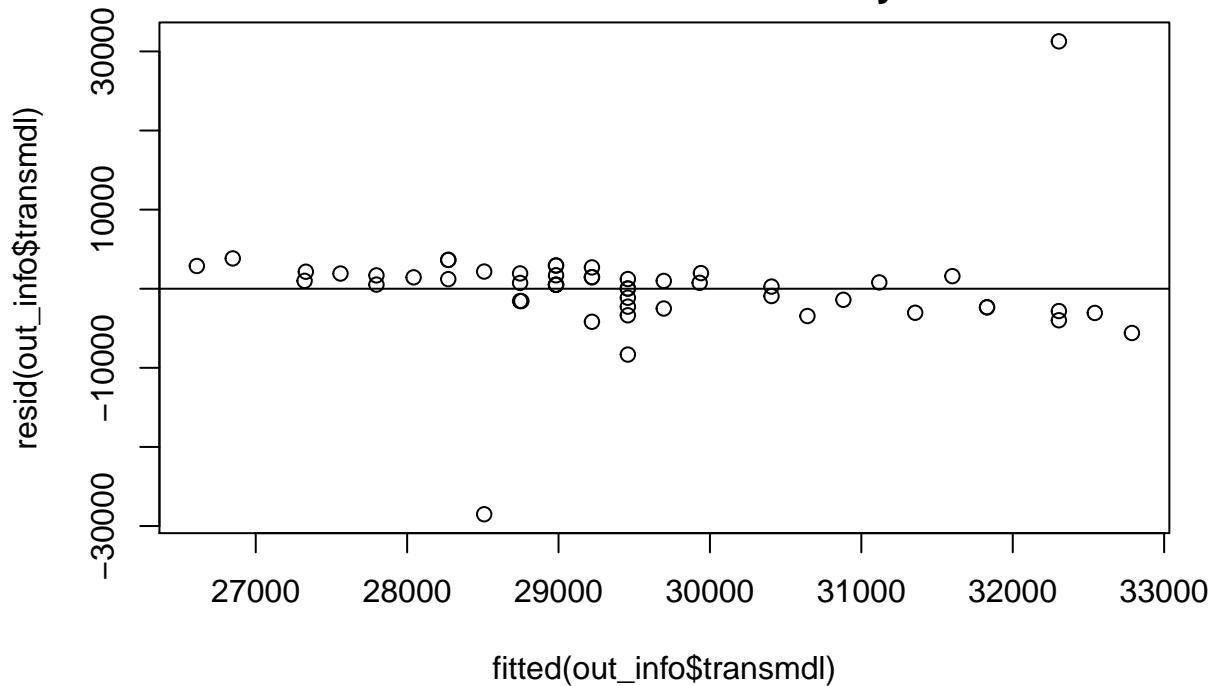
### Normal Q-Q Plot



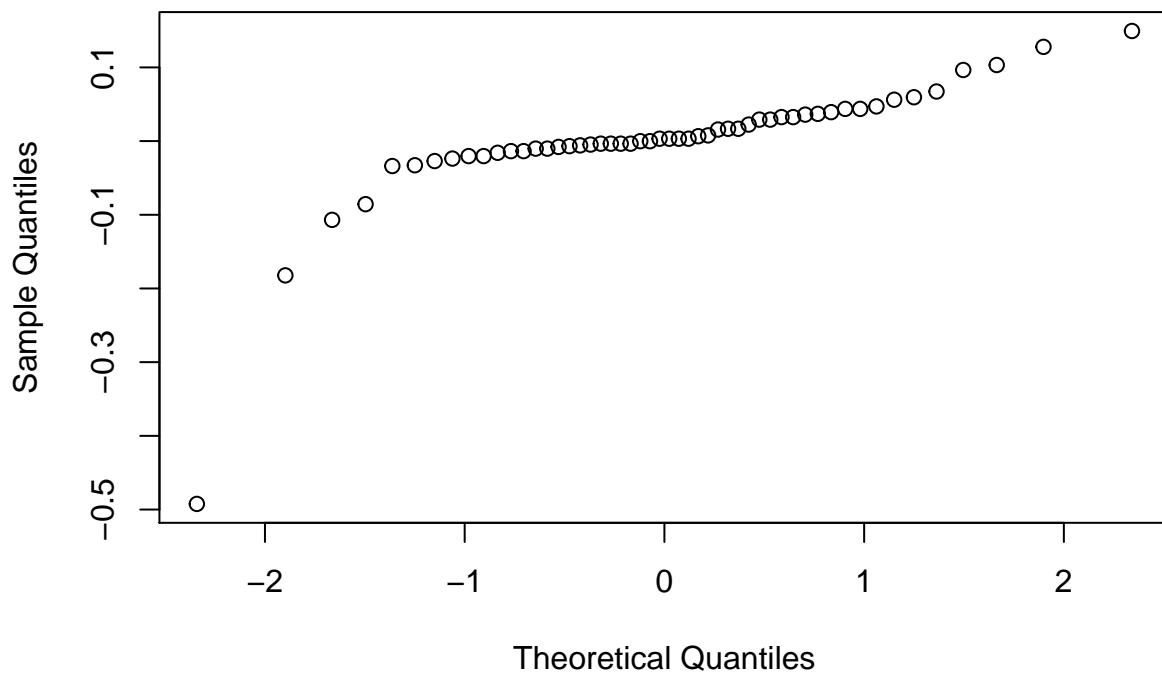
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Plot of SbPFOAorigstr.num.fireruns  
Plot of SbPFOAorigEthnicity**



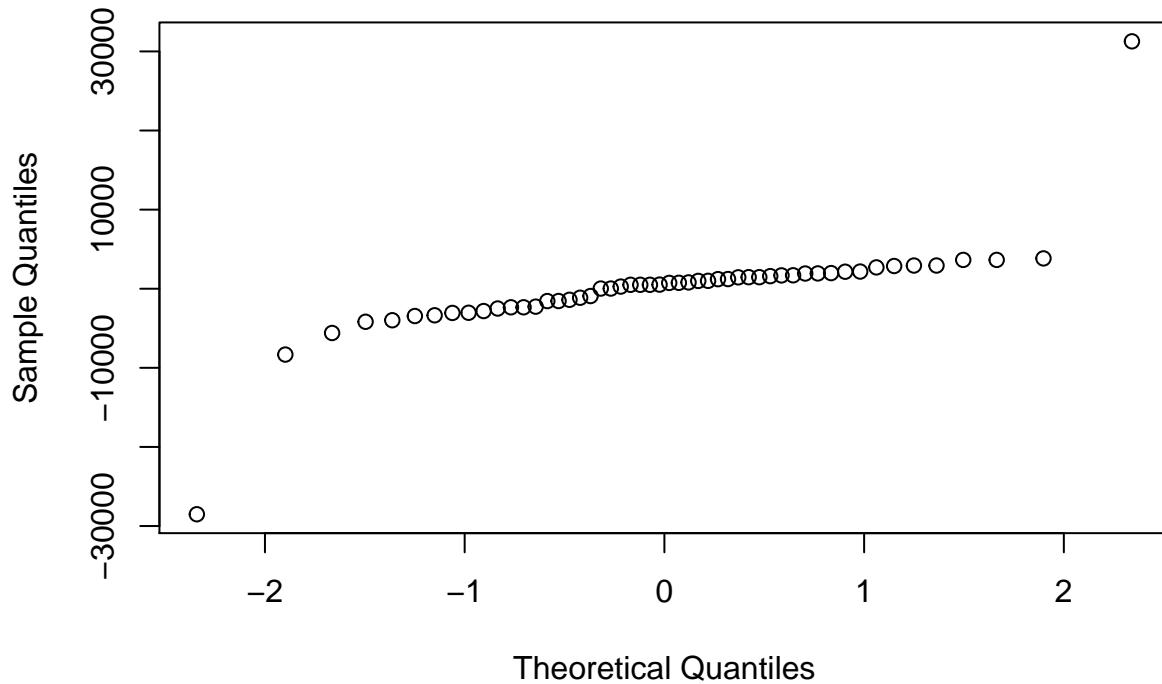
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Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**



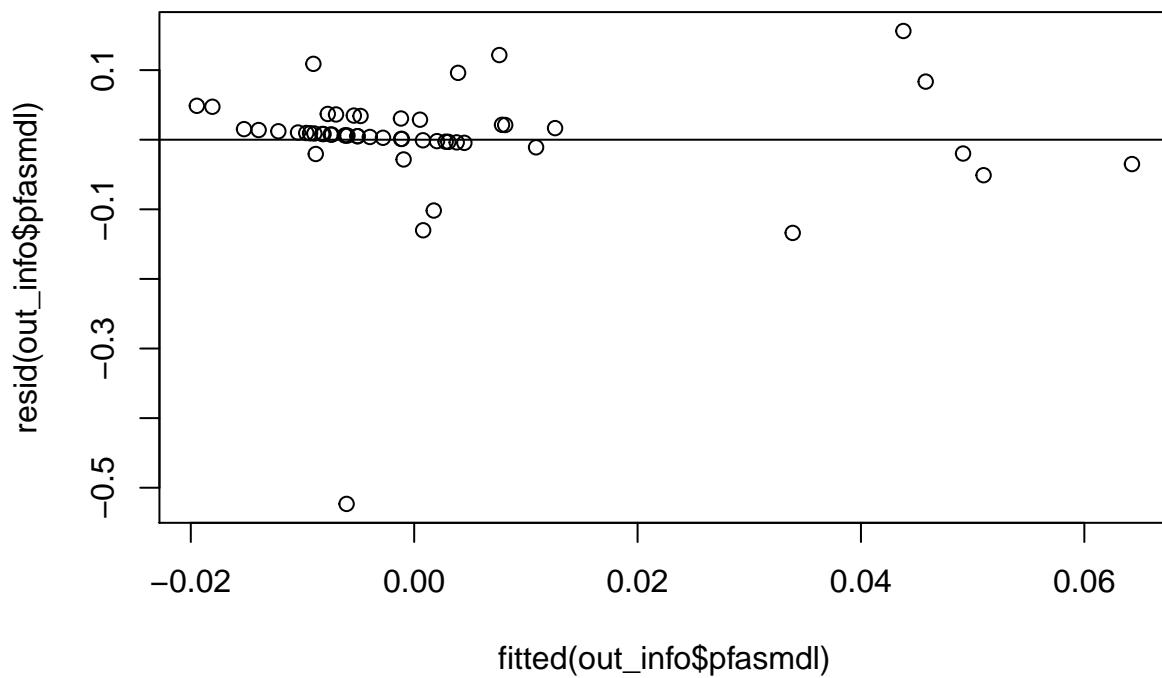
**Normal Q-Q Plot**



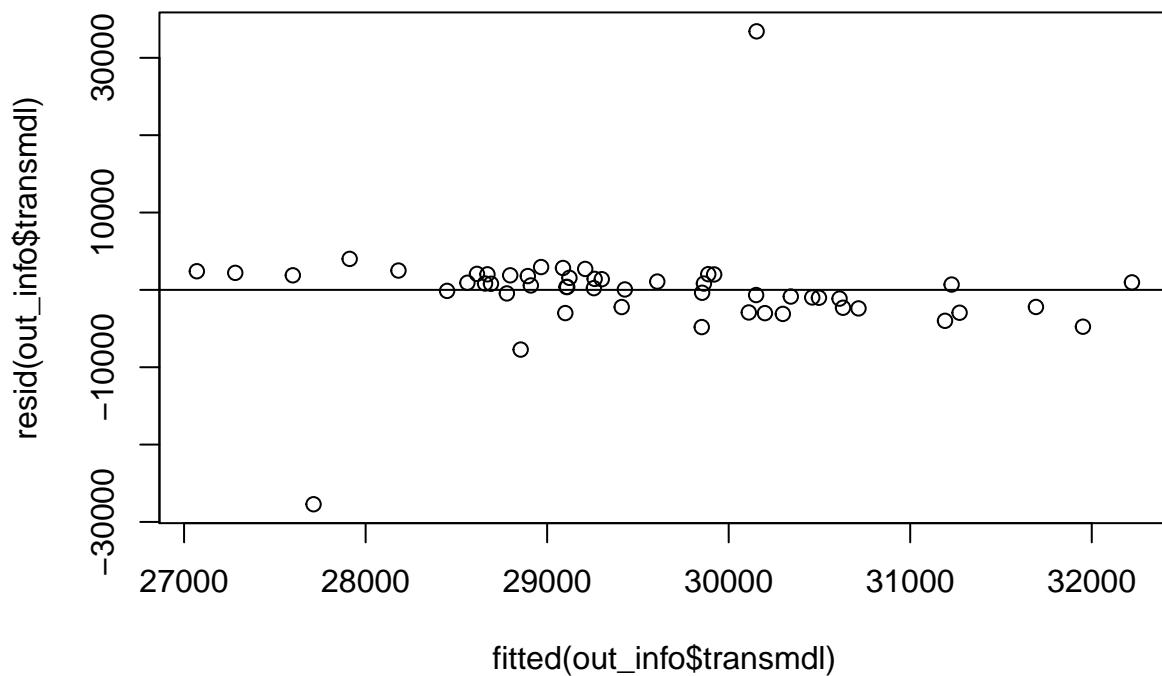
### Normal Q-Q Plot



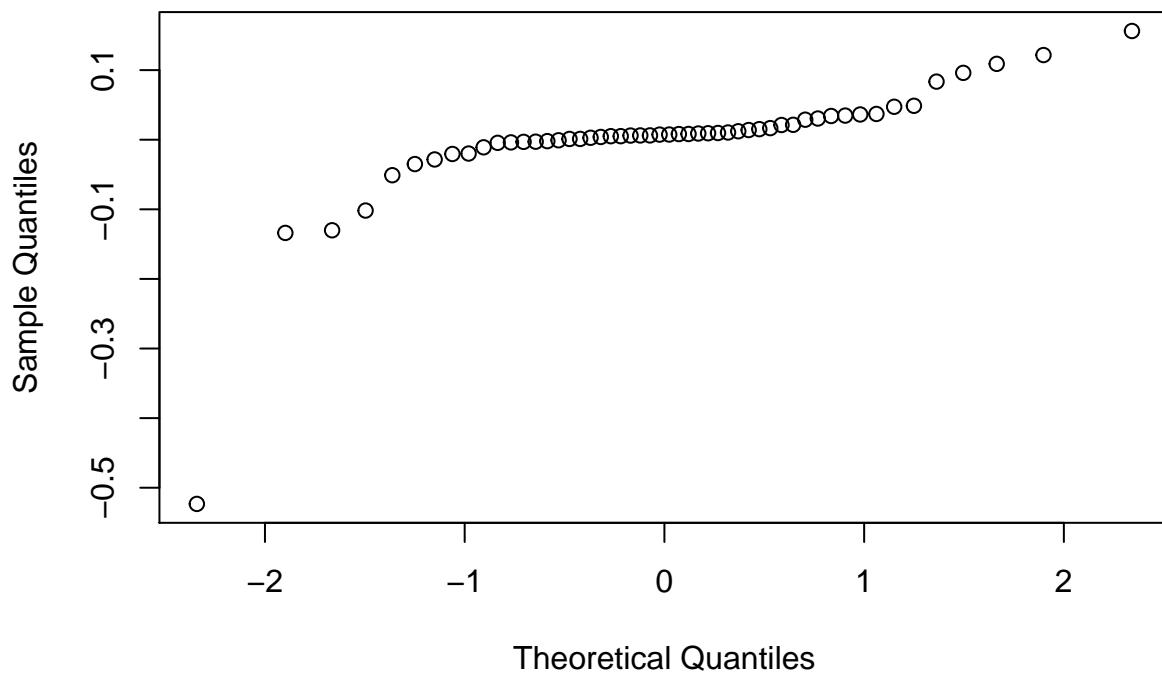
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.duration.hrs  
Plot of SbPFOAorigEthnicity**



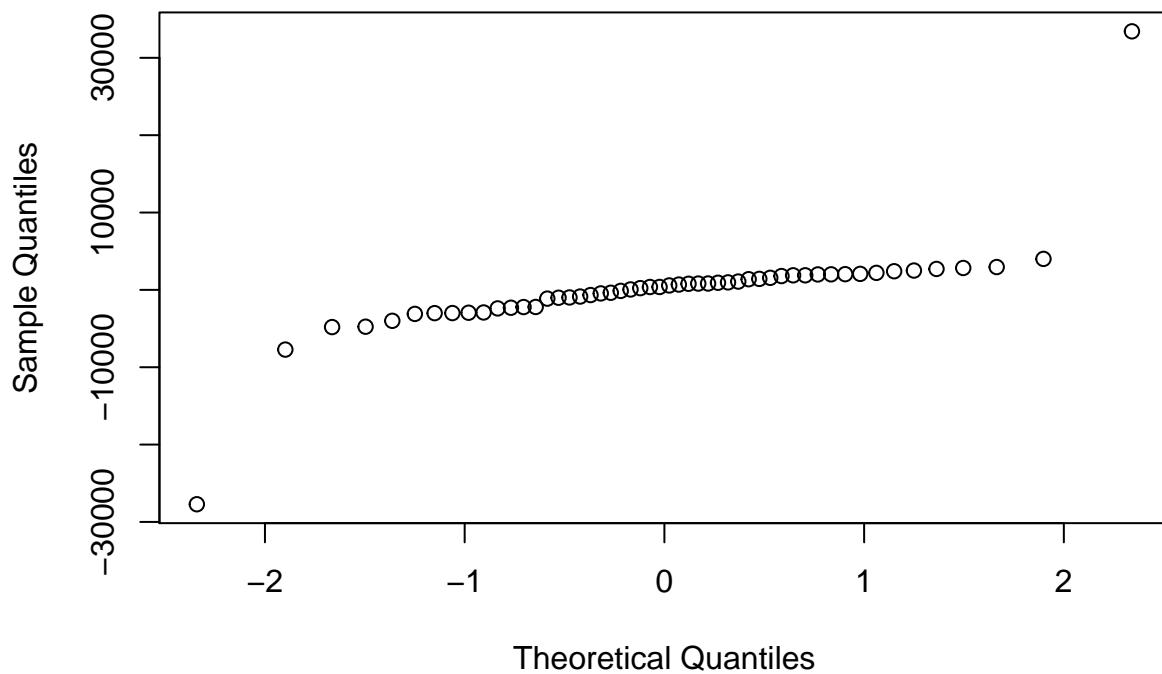
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



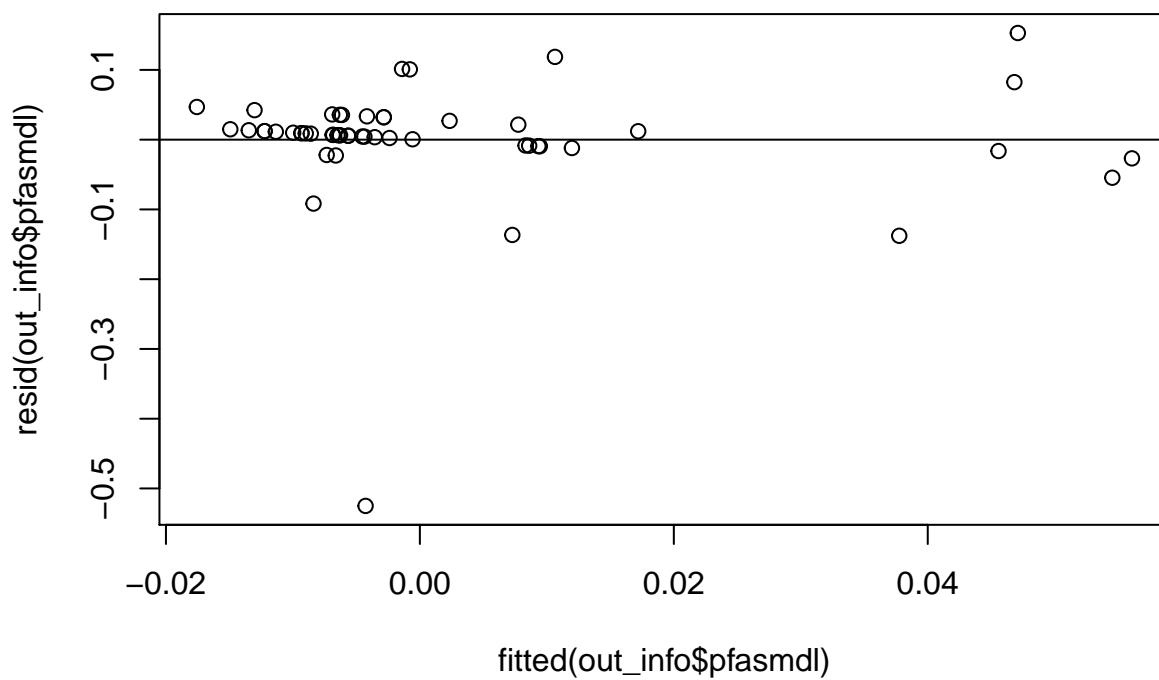
**Normal Q-Q Plot**



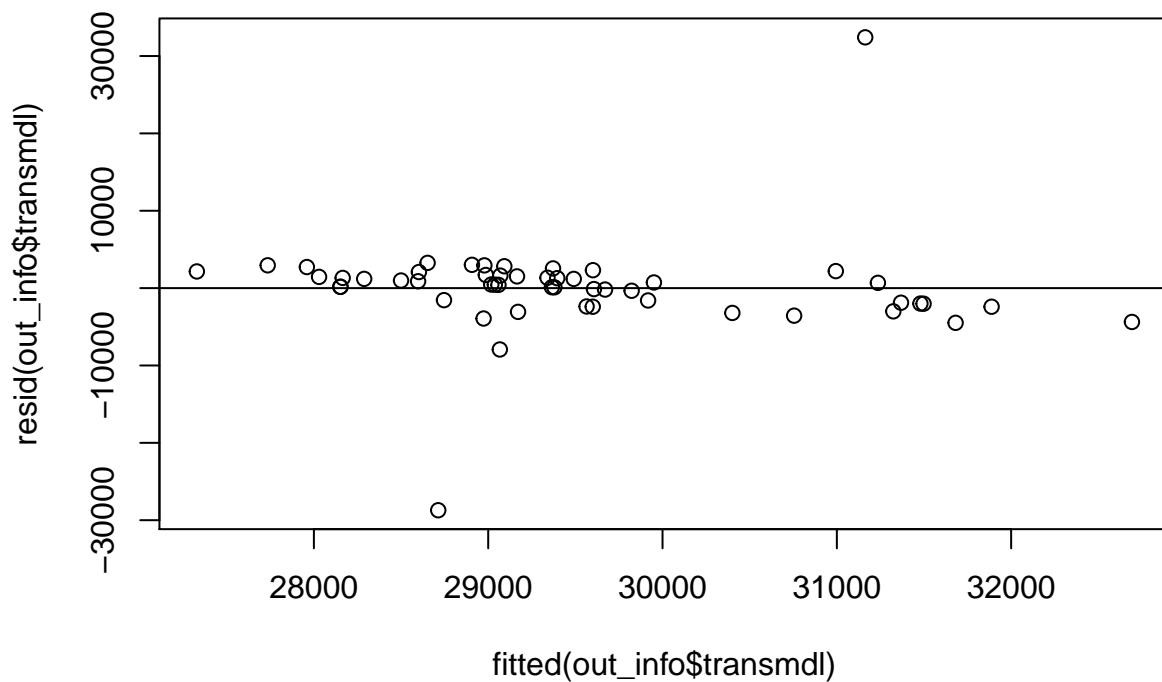
### Normal Q-Q Plot



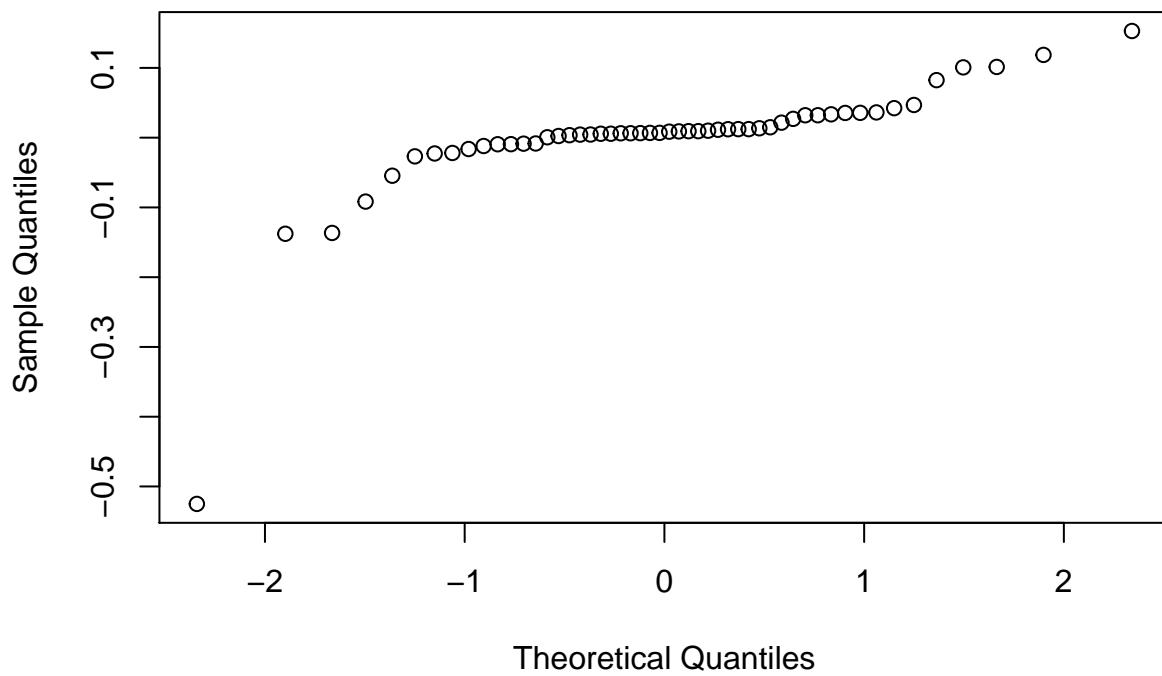
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.duration.hrs  
Plot of SbPFOAorigEthnicity**



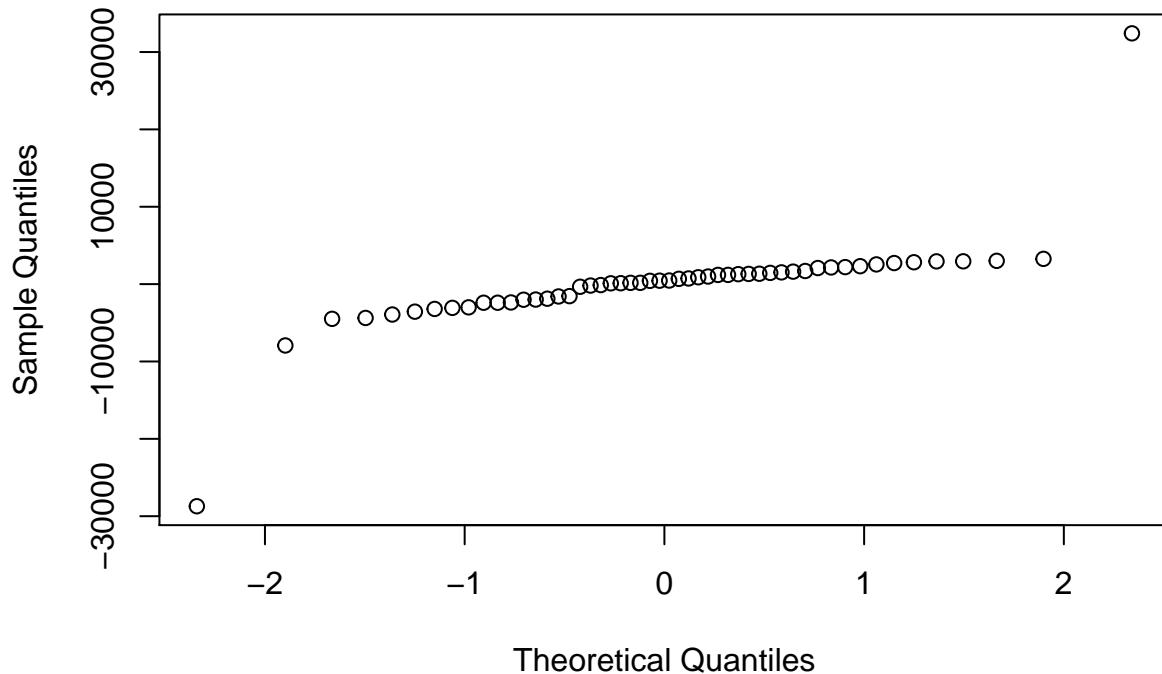
**Plot of PFNAtrans+  
Plot of PFNAtransstr.duration.hrs  
Plot of PFNAtransEthnicity**



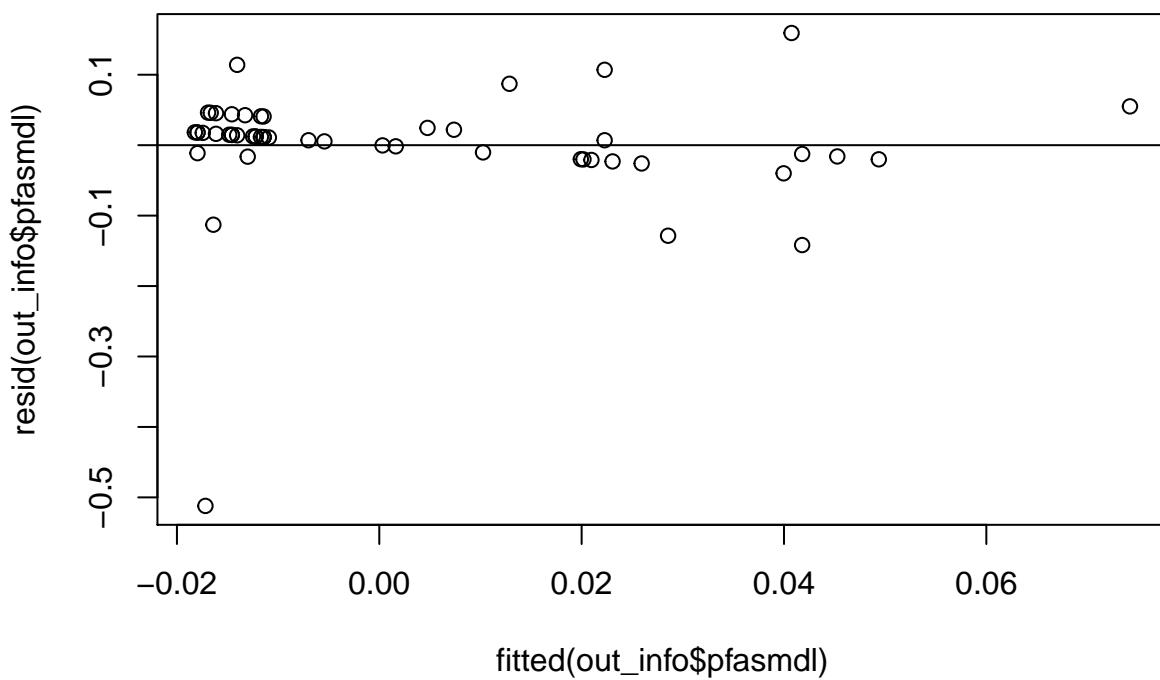
**Normal Q-Q Plot**



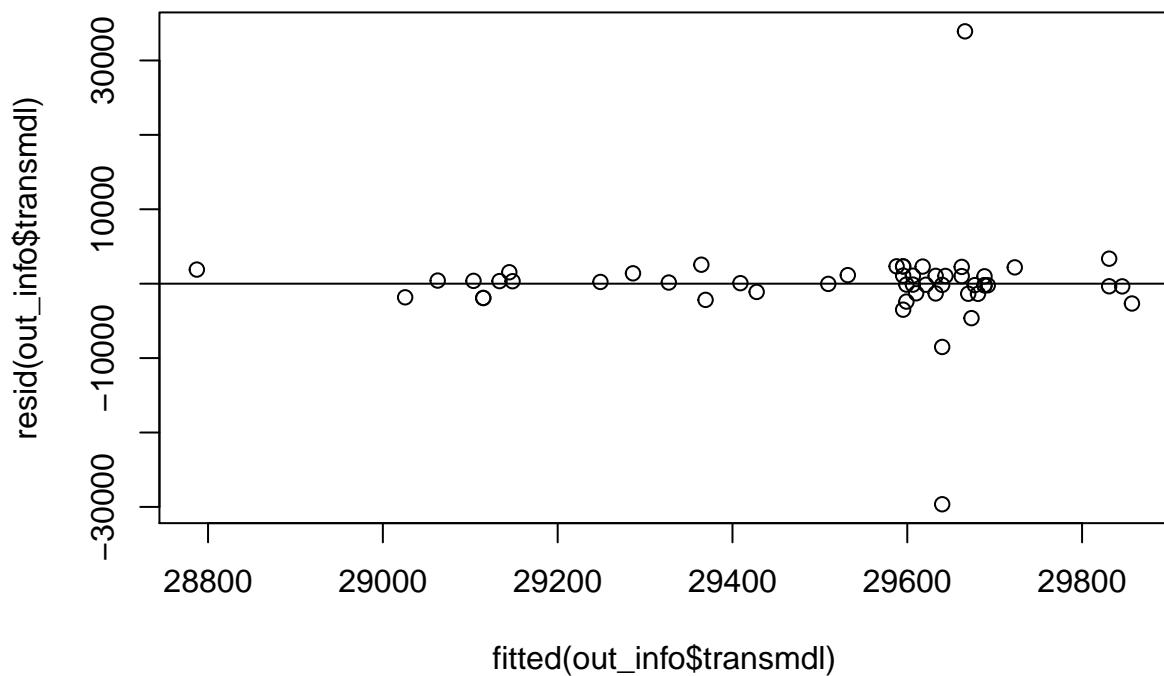
### Normal Q-Q Plot



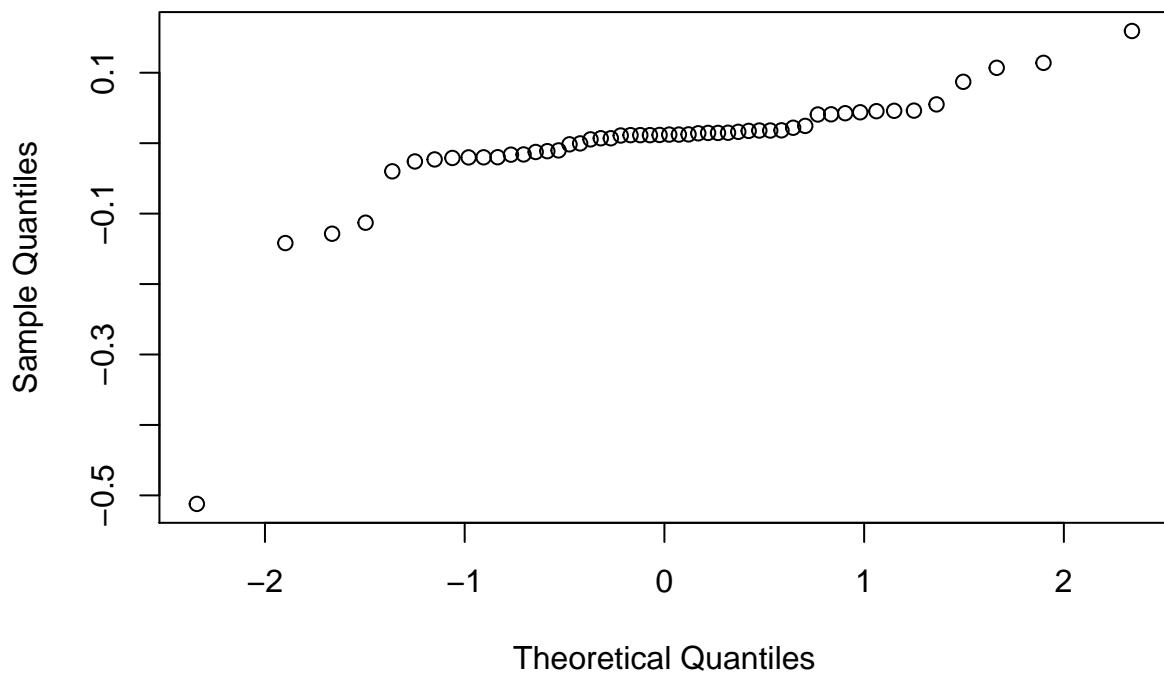
Plot of SbPFOAorig+  
Plot of SbPFOAorigdays.since.MRF  
Plot of SbPFOAorigEthnicity



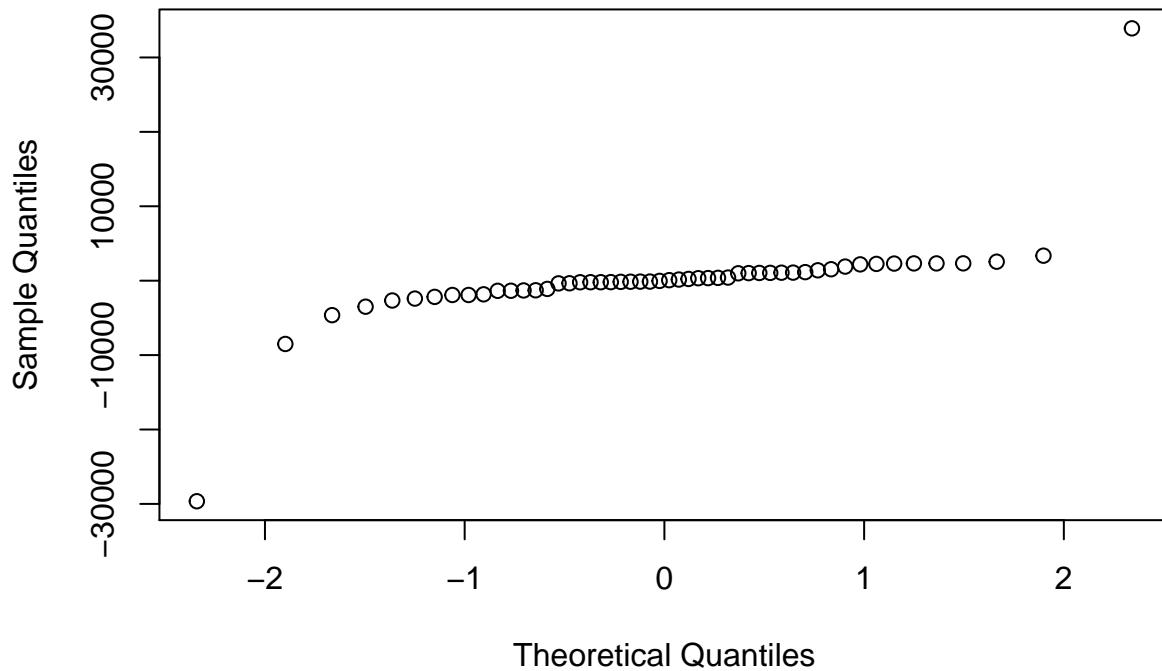
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



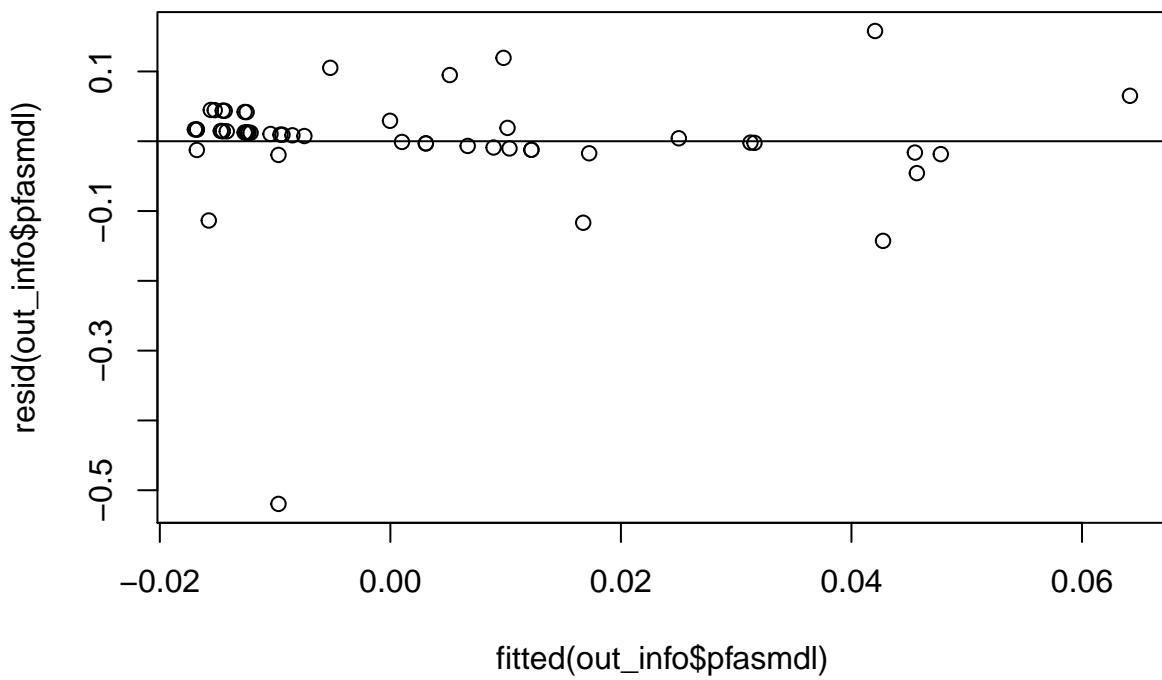
**Normal Q-Q Plot**



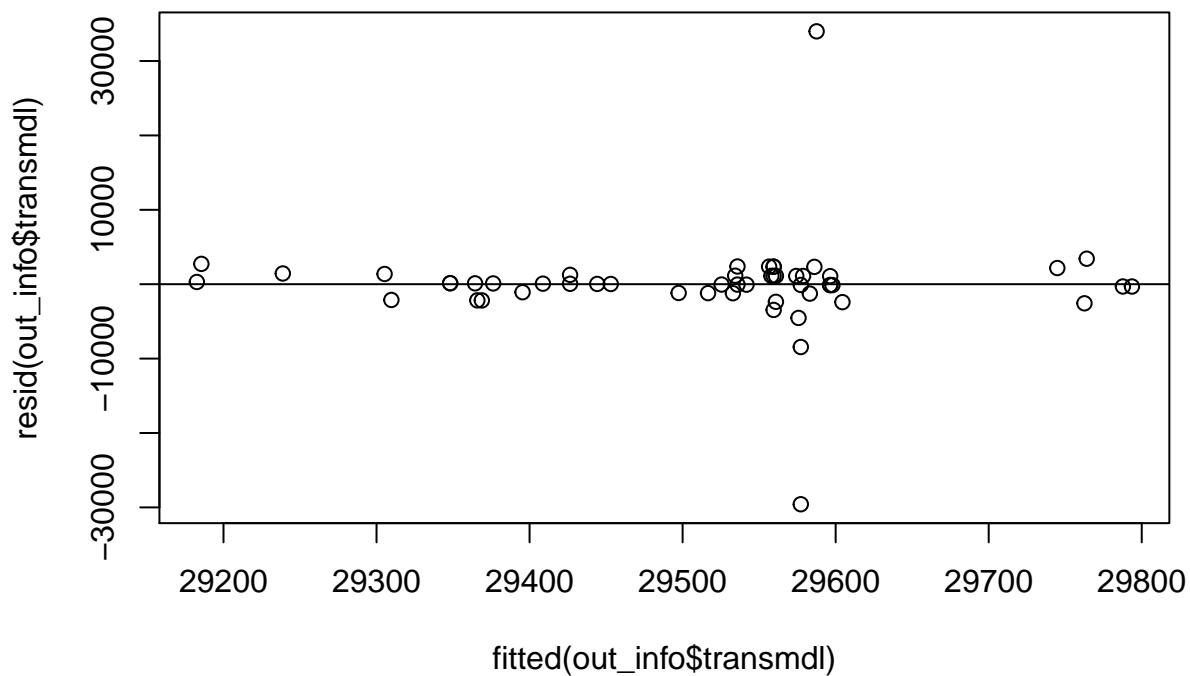
### Normal Q-Q Plot



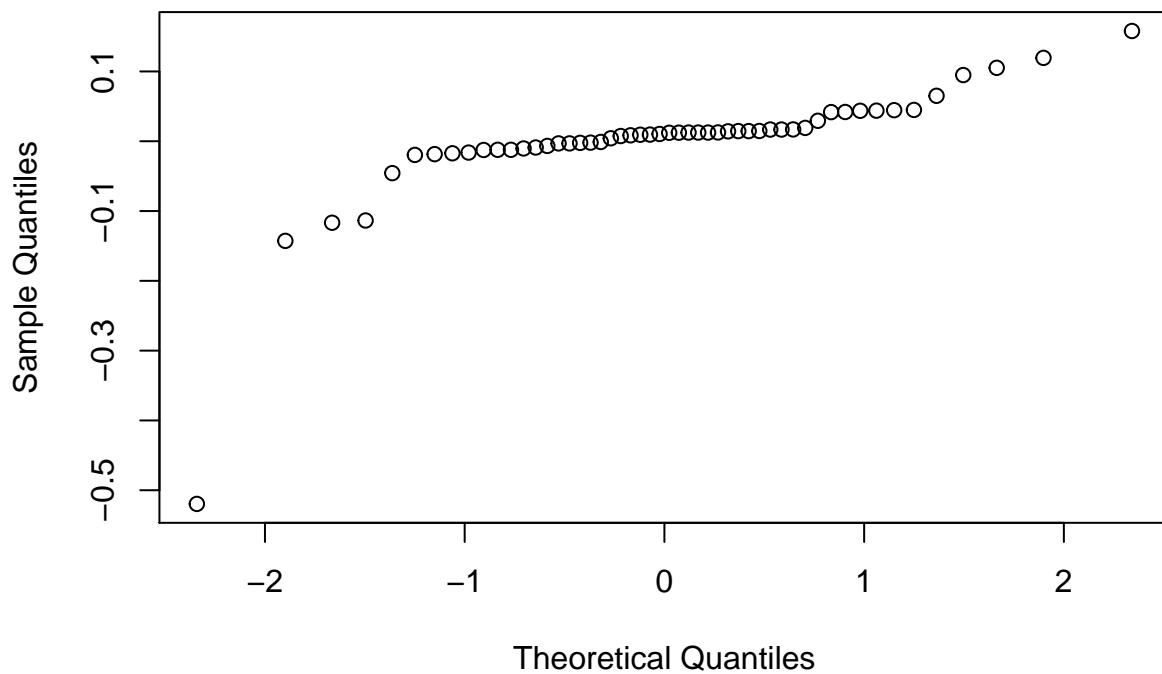
**Plot of SbPFOAorig+  
Plot of SbPFOAorigdays.since.struc.MRF  
Plot of SbPFOAorigEthnicity**



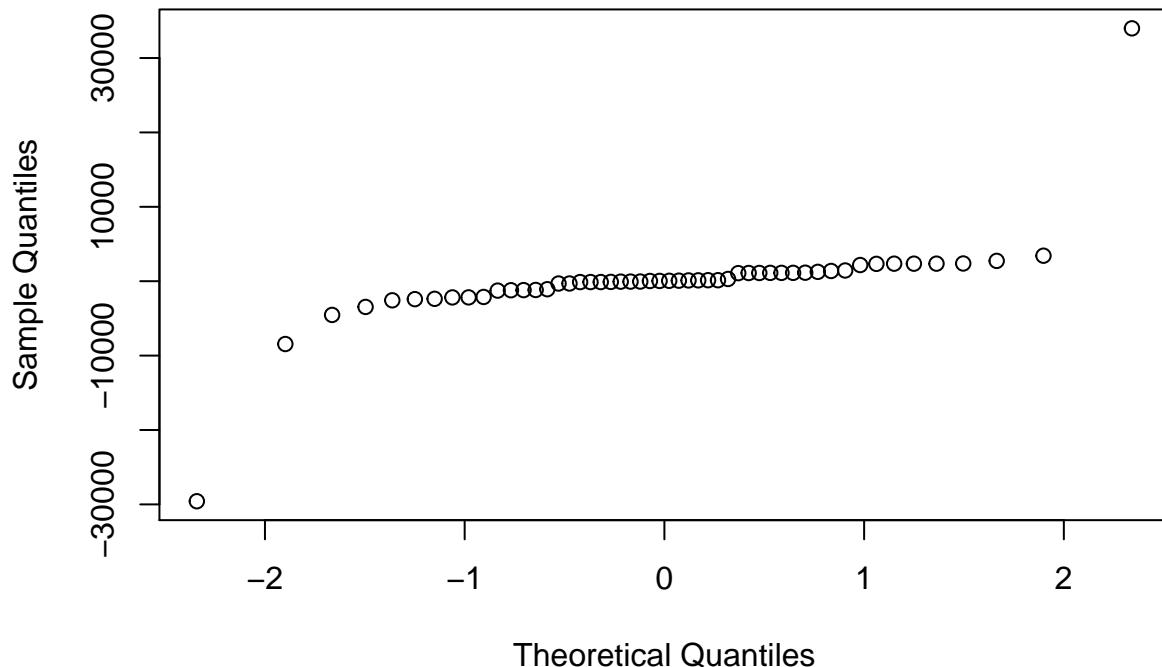
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.struc.MRF  
Plot of PFNAtransEthnicity**



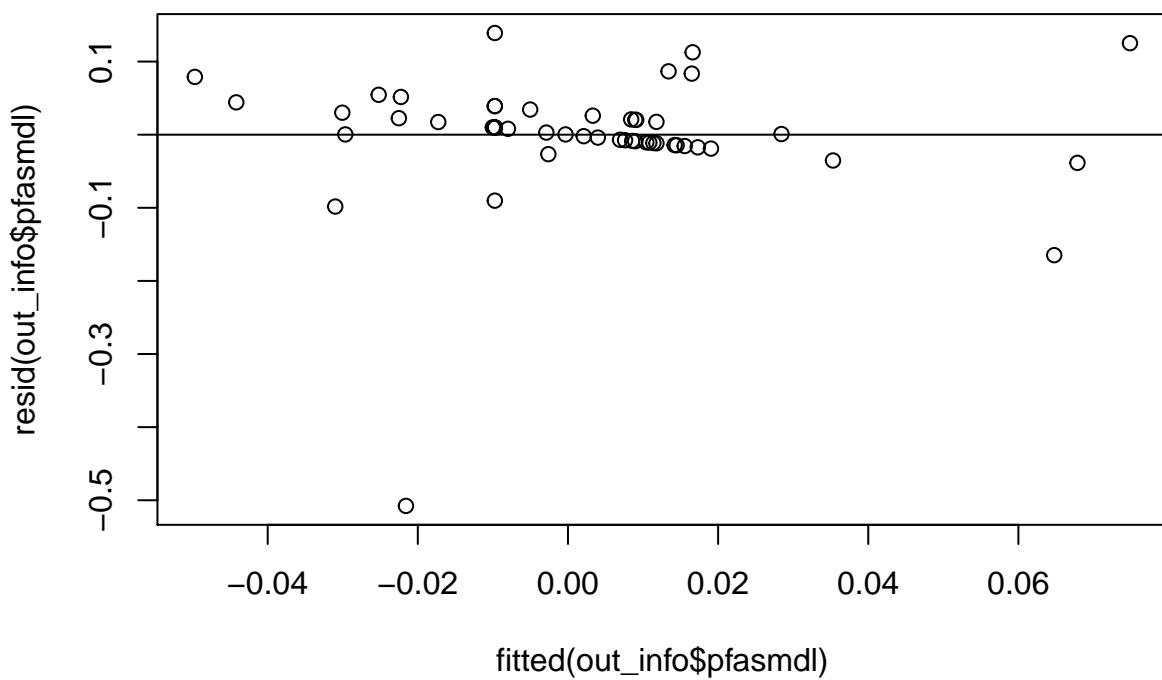
**Normal Q-Q Plot**



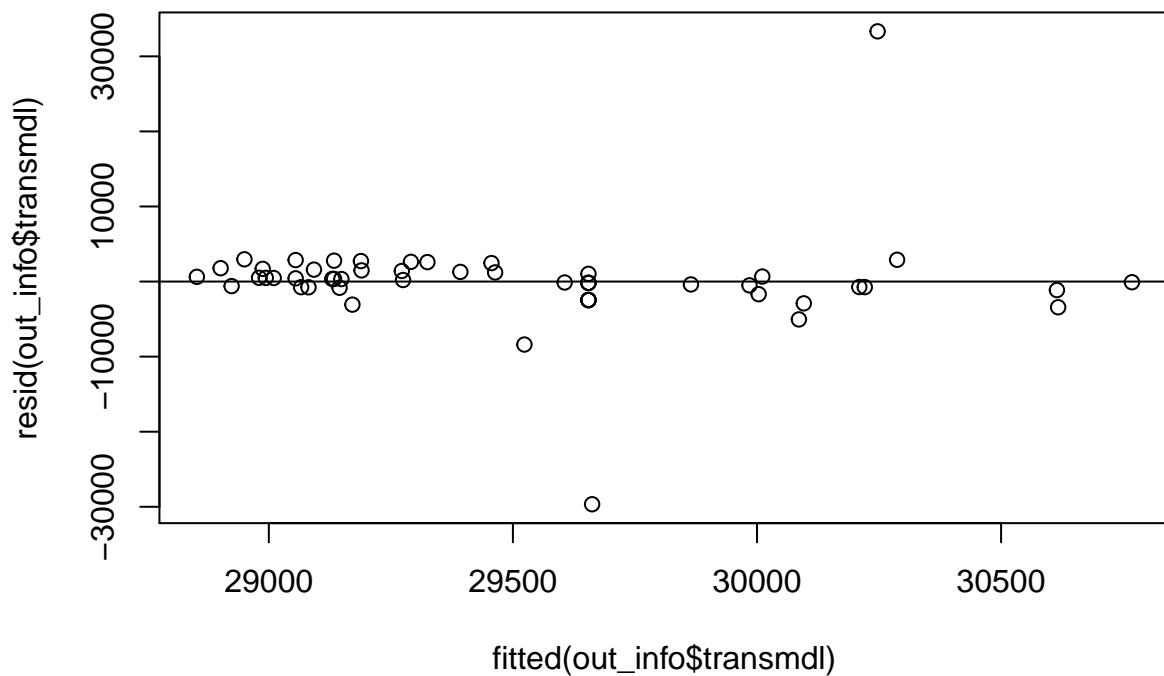
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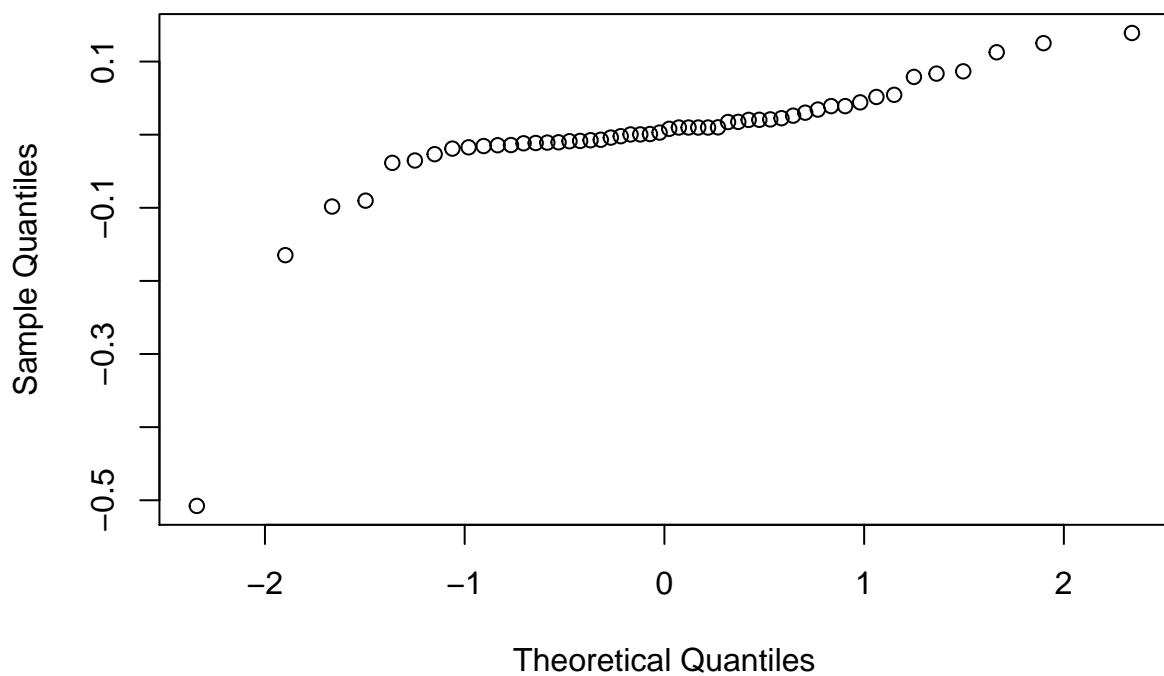
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtime.since.baseline  
Plot of SbPFOAorigEthnicity**



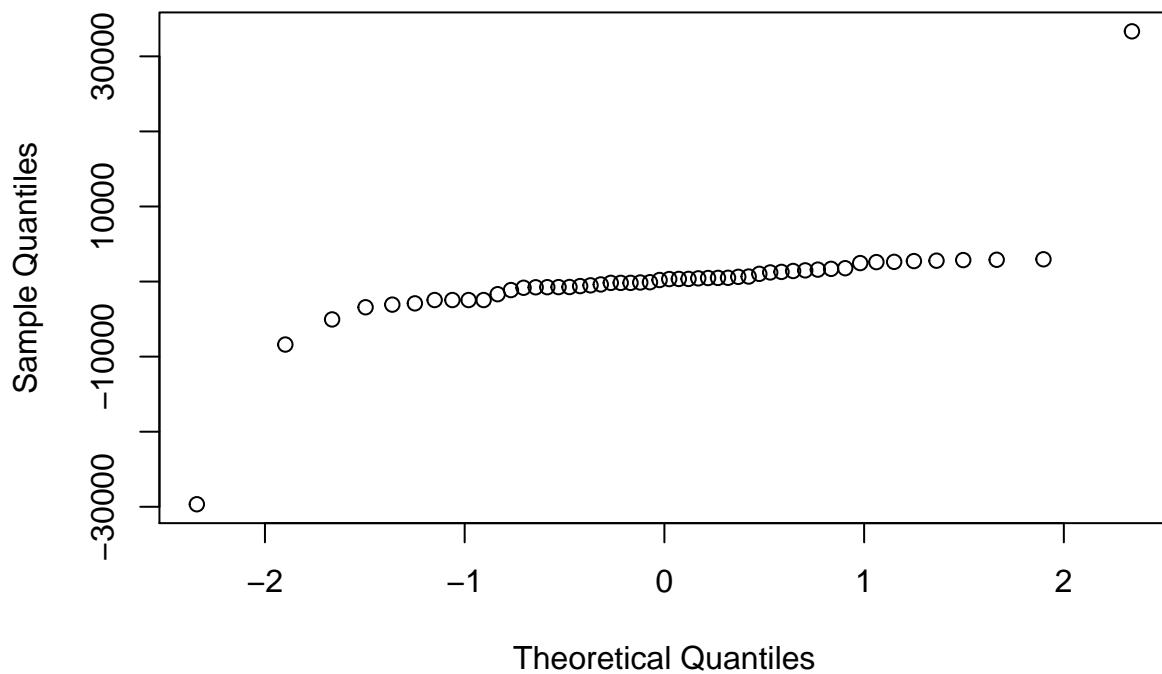
**Plot of PFNAtrans+  
Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



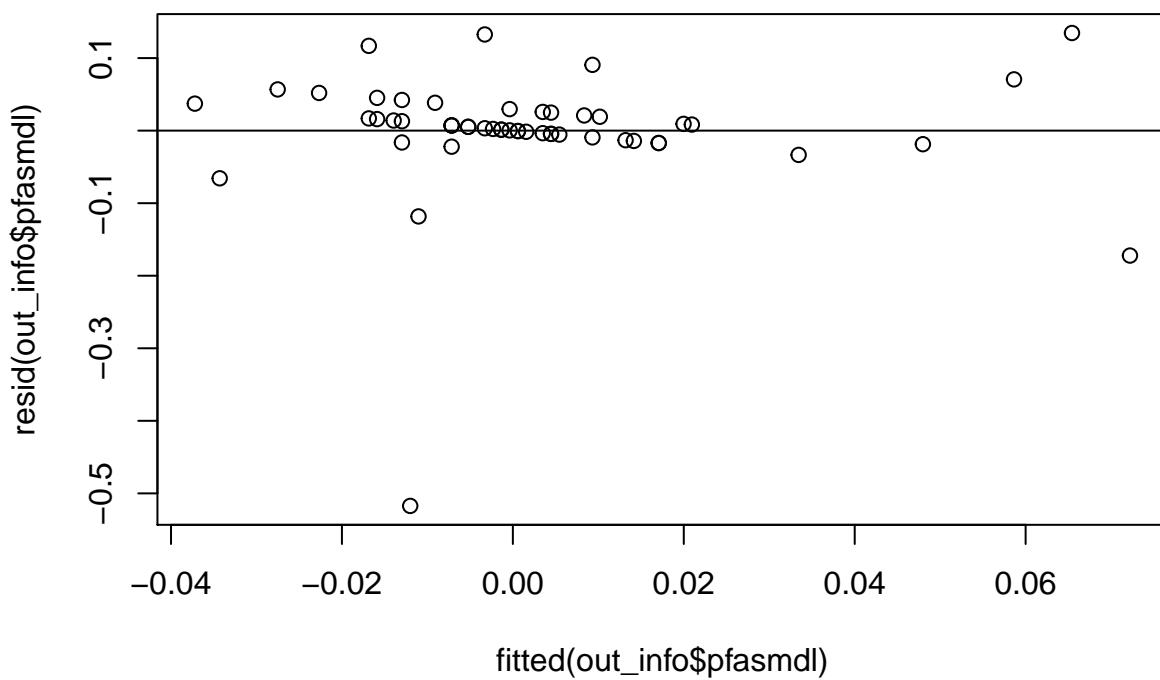
**Normal Q-Q Plot**



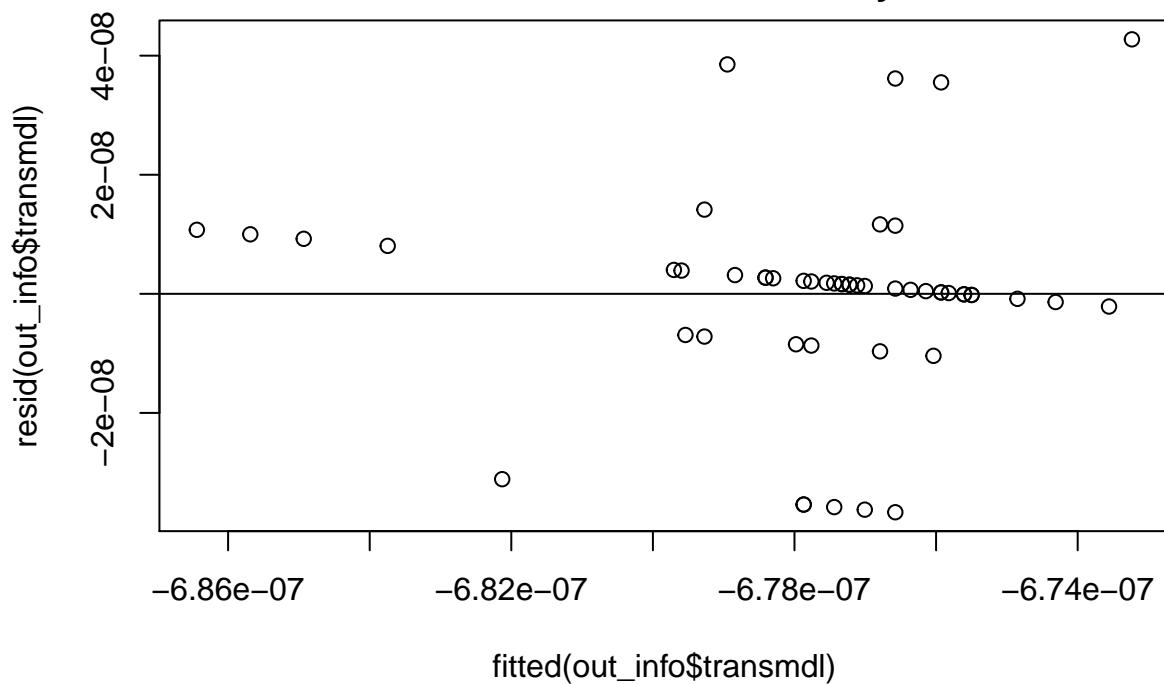
### Normal Q-Q Plot



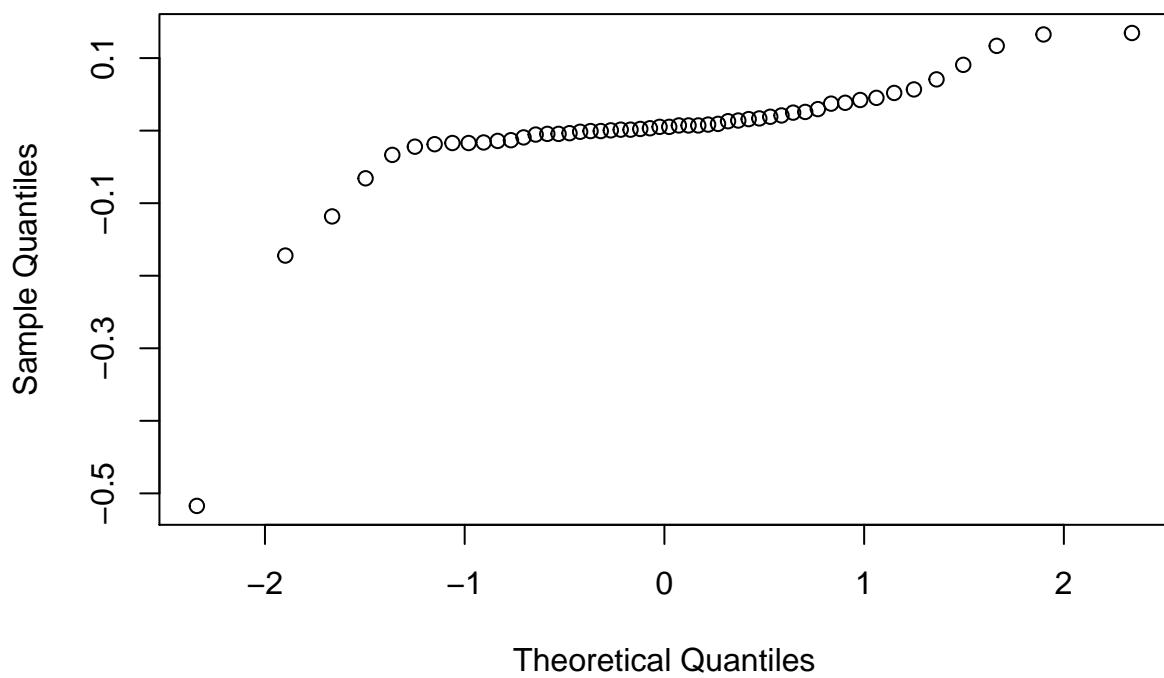
Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity



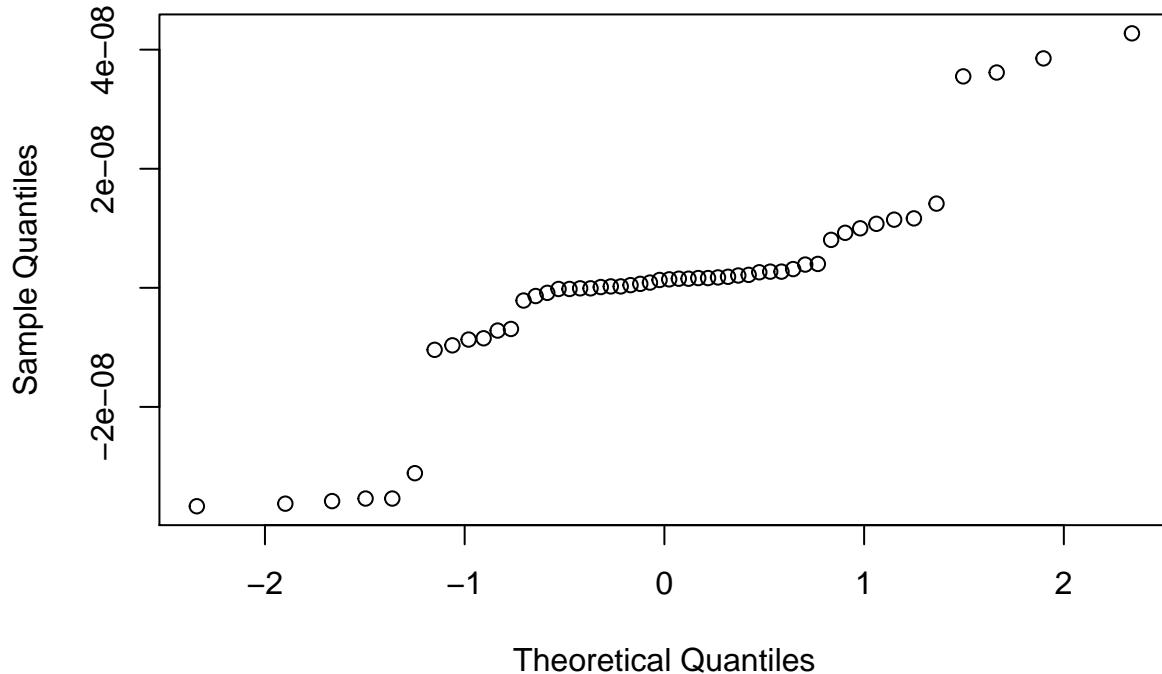
**Plot of PFUATrans+  
Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**



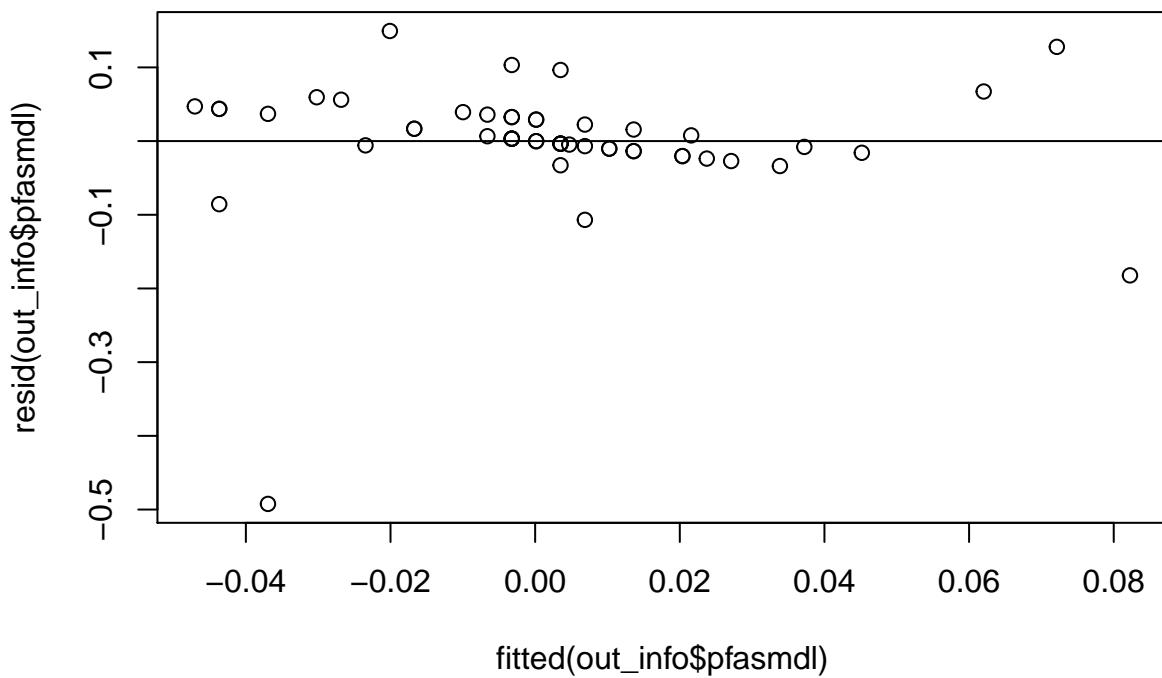
**Normal Q-Q Plot**



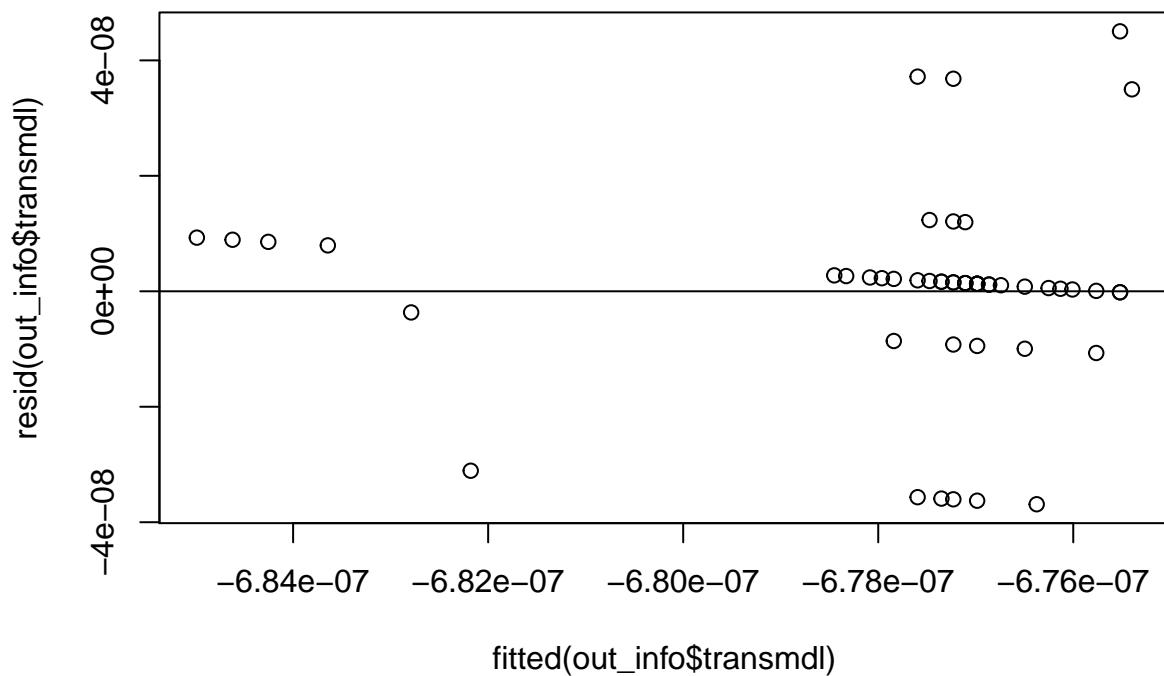
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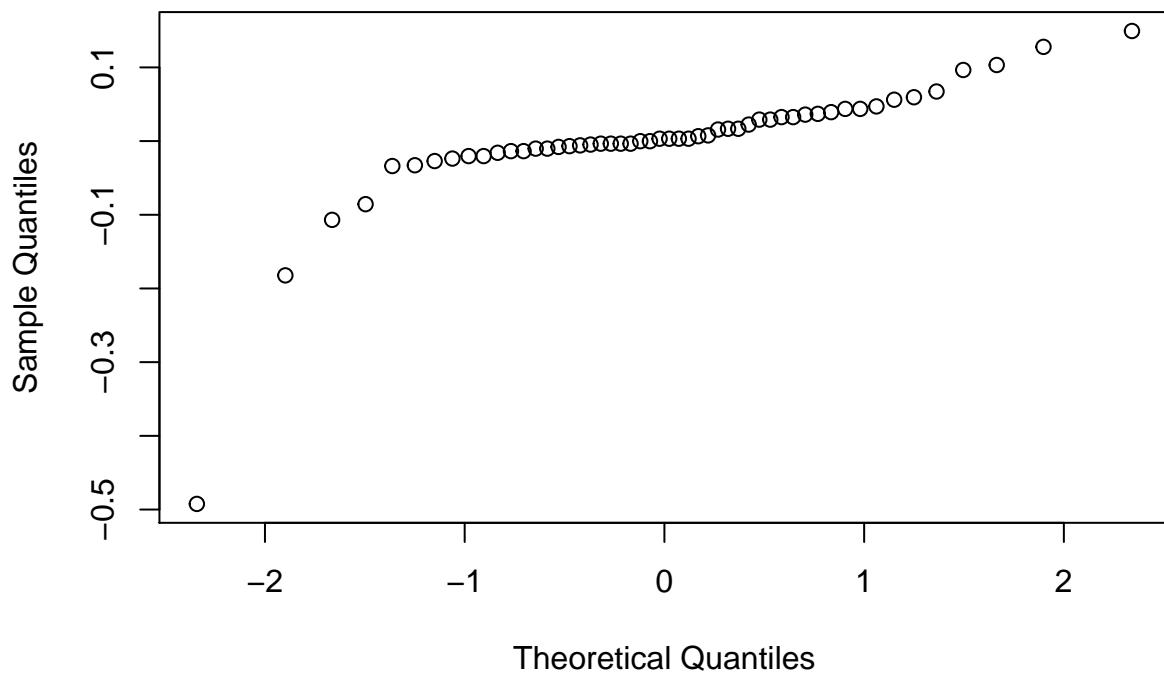
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.num.fireruns  
Plot of SbPFOAorigEthnicity**



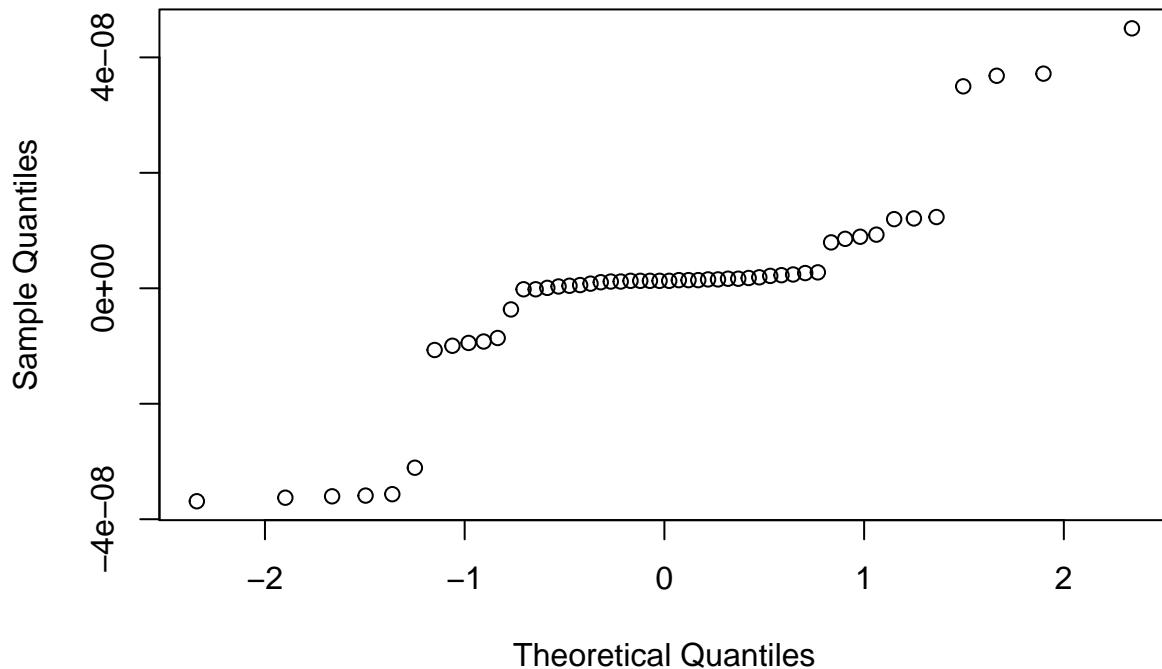
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



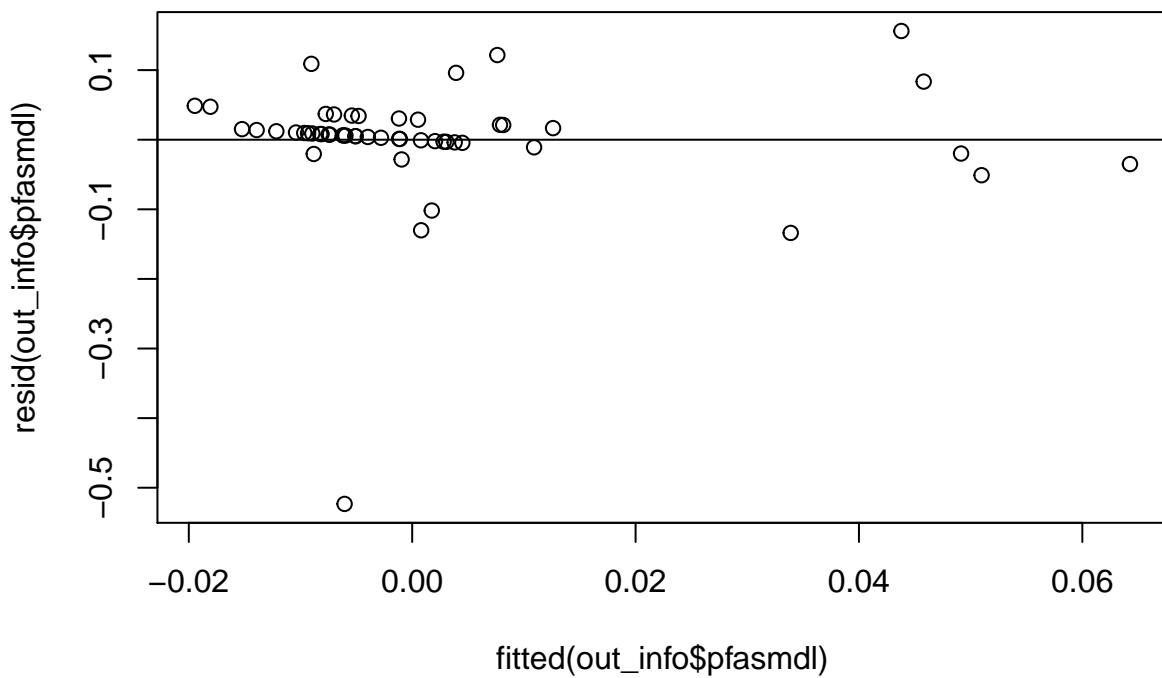
**Normal Q-Q Plot**



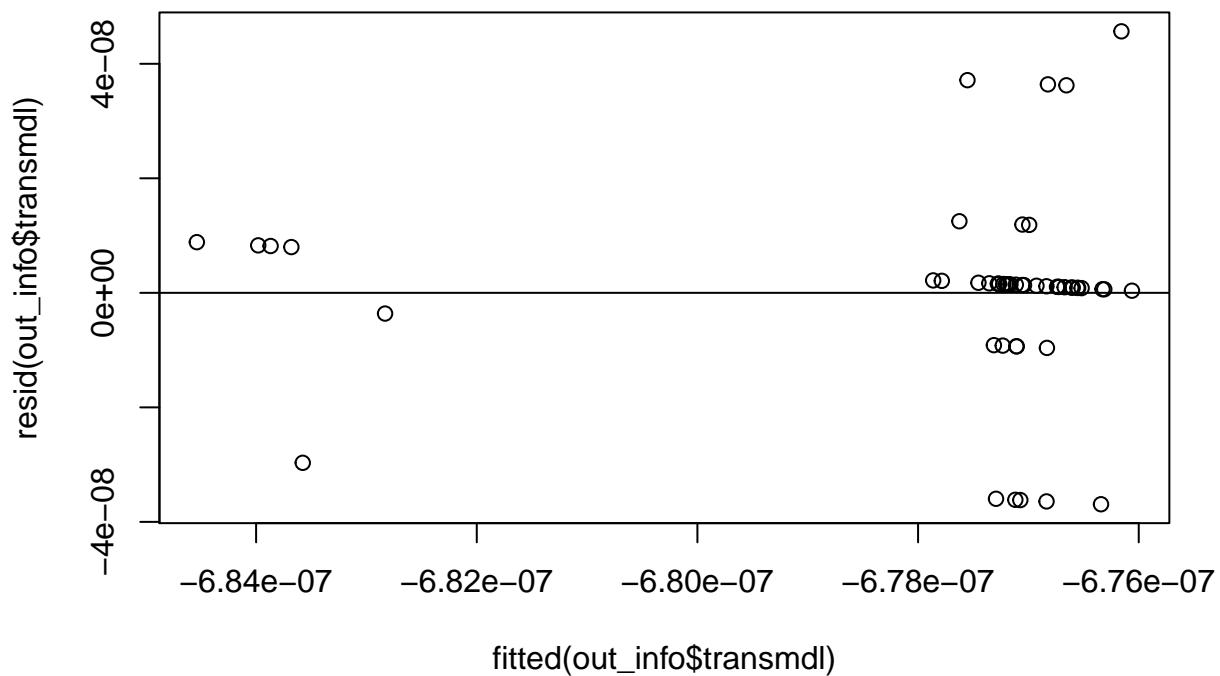
### Normal Q-Q Plot



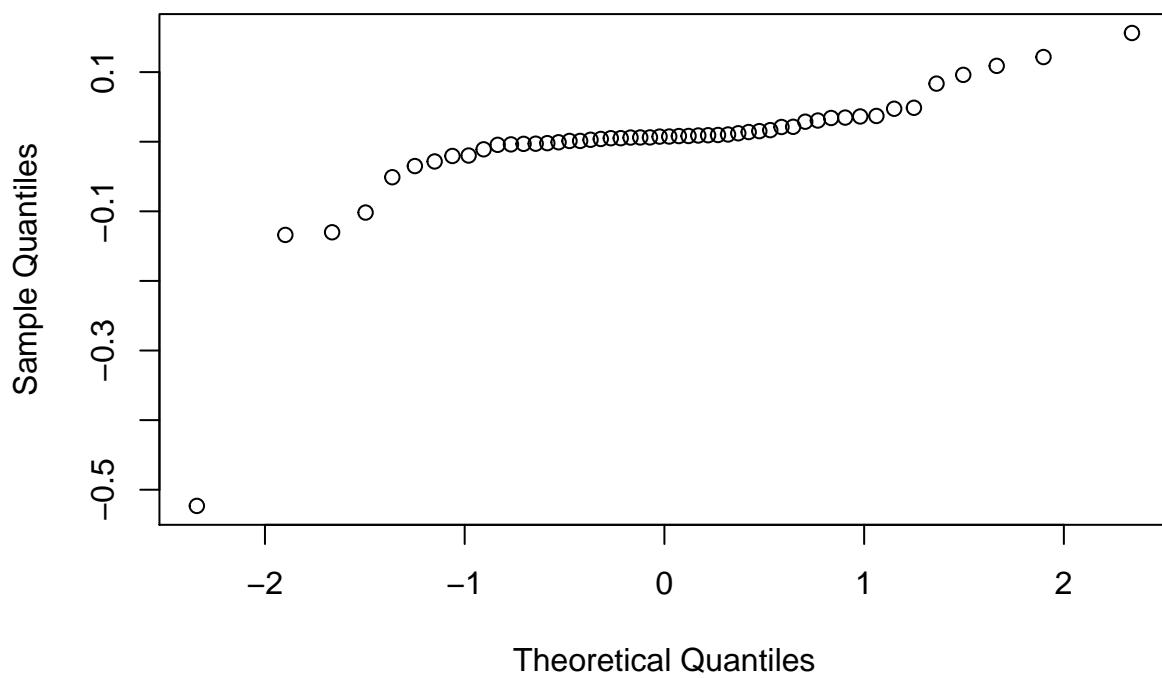
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.duration.hrs  
Plot of SbPFOAorigEthnicity**



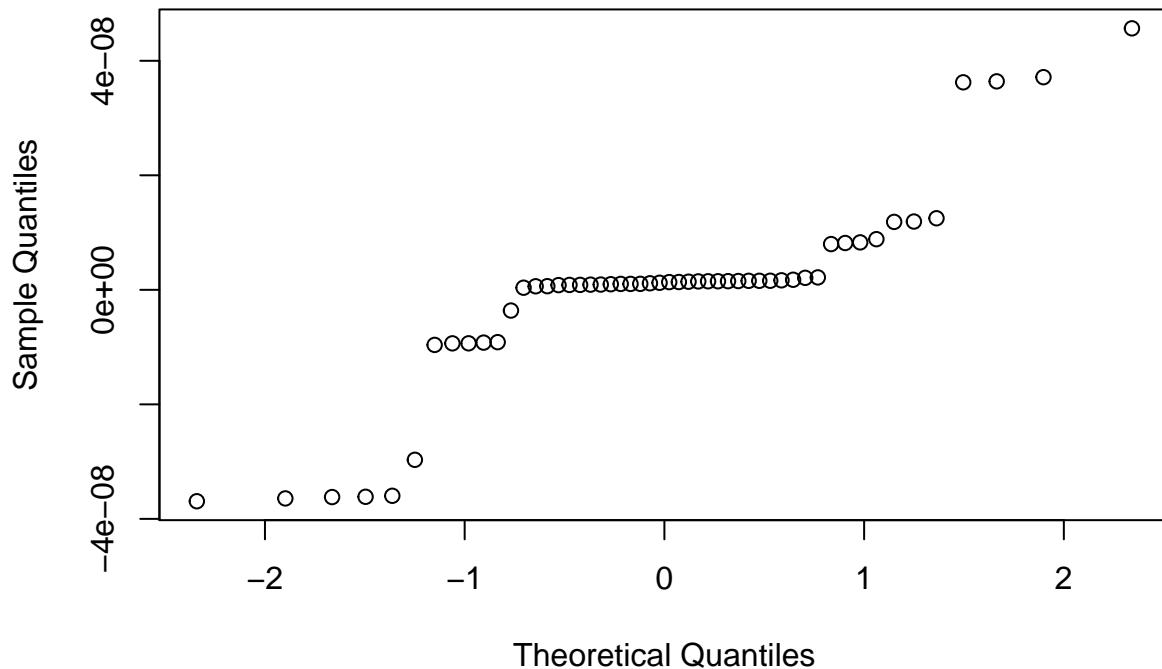
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



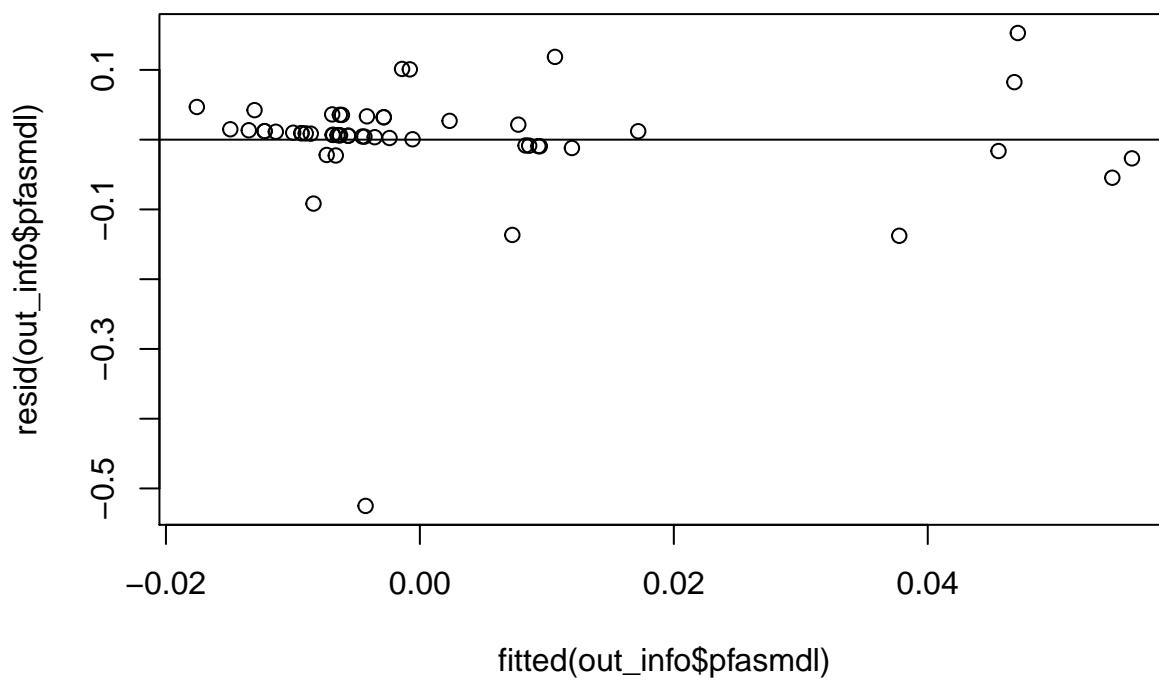
**Normal Q-Q Plot**



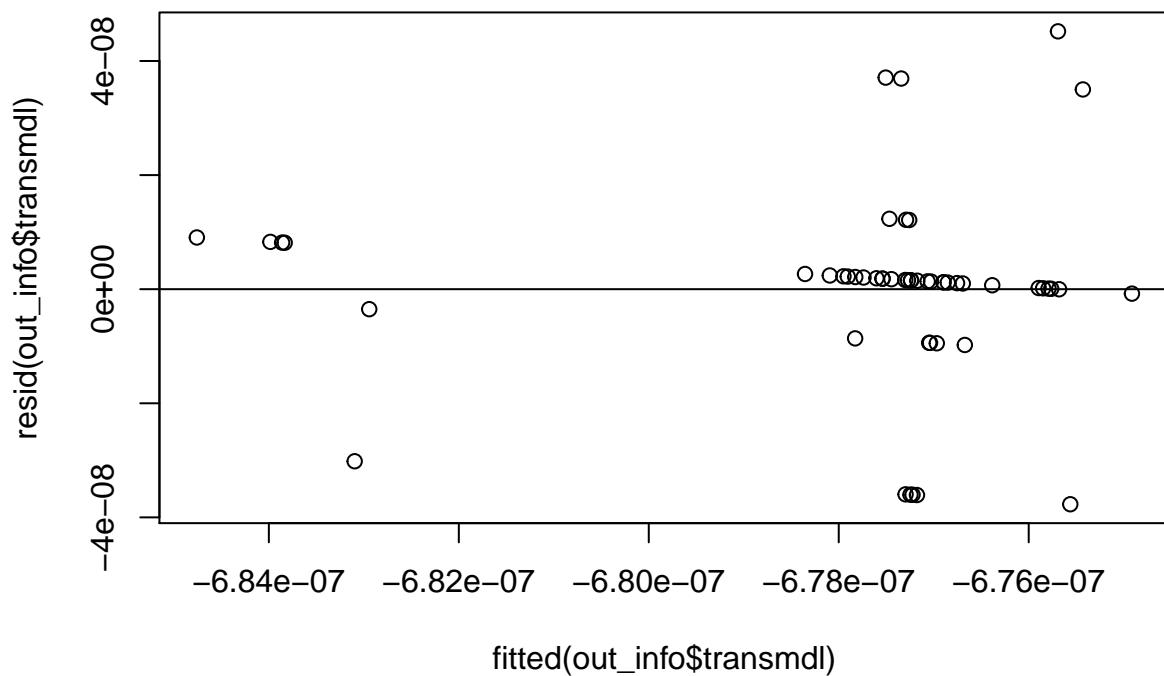
### Normal Q-Q Plot



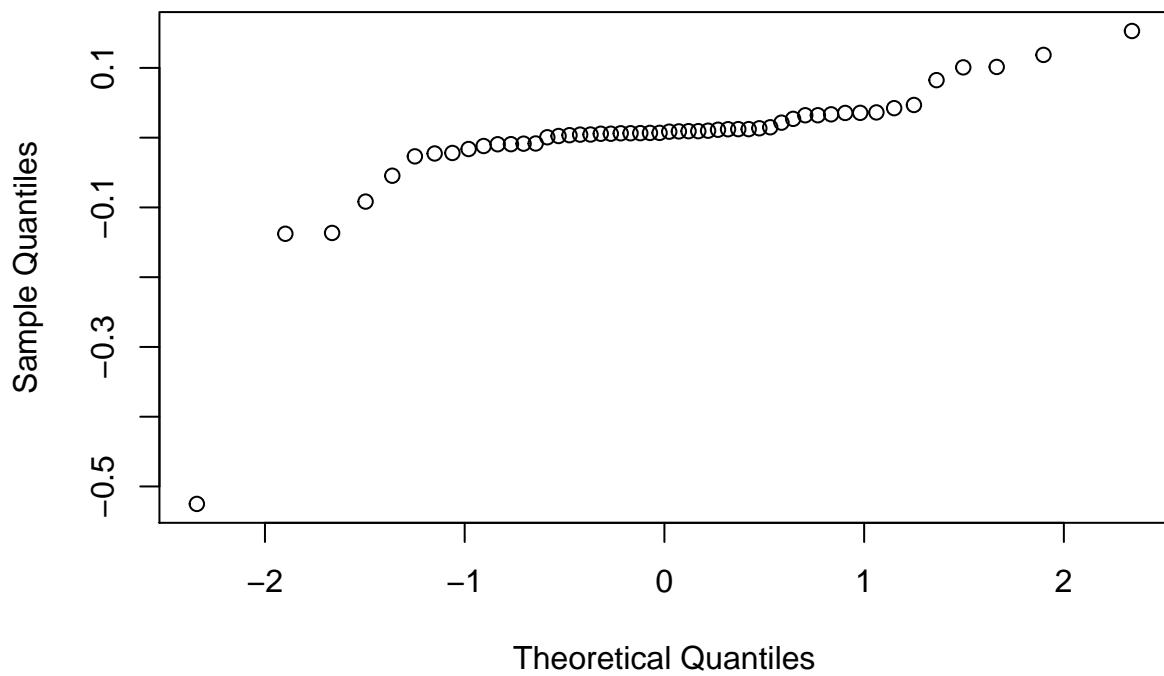
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.duration.hrs  
Plot of SbPFOAorigEthnicity**



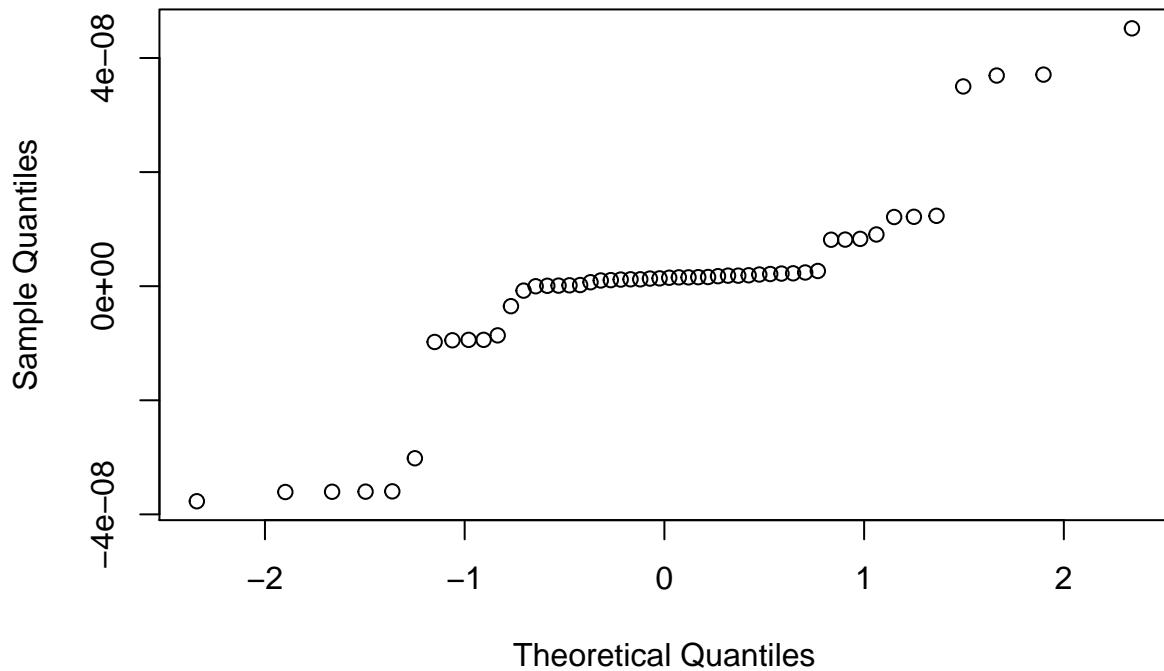
**Plot of PFUATrans+  
Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



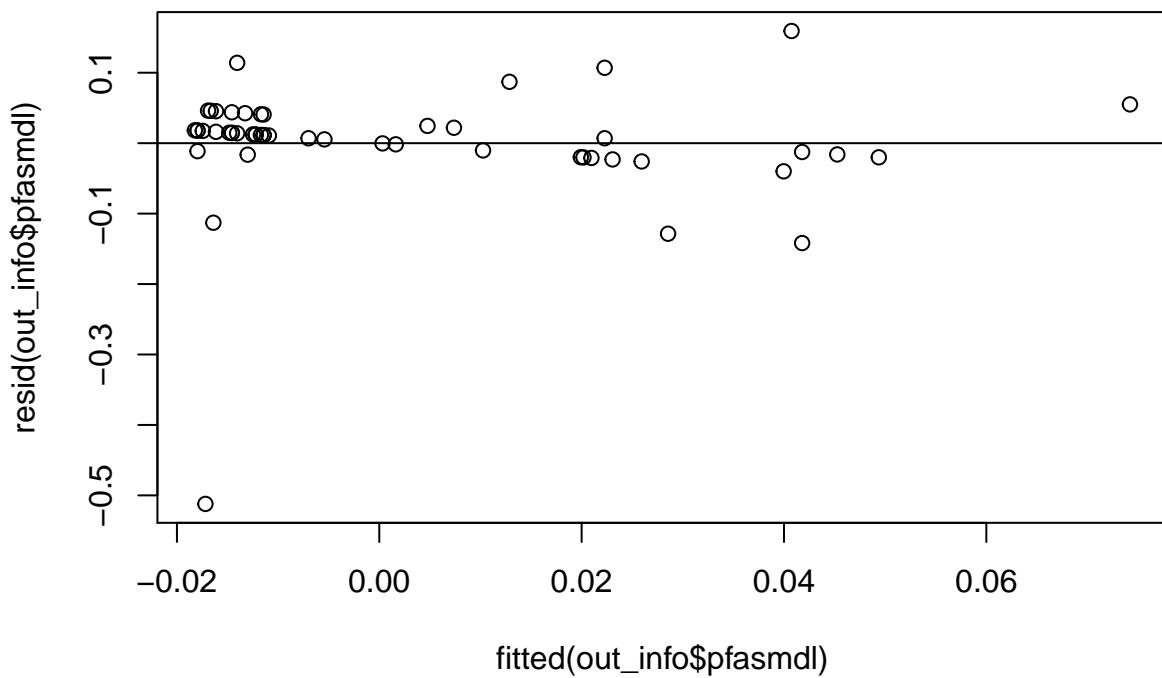
**Normal Q-Q Plot**



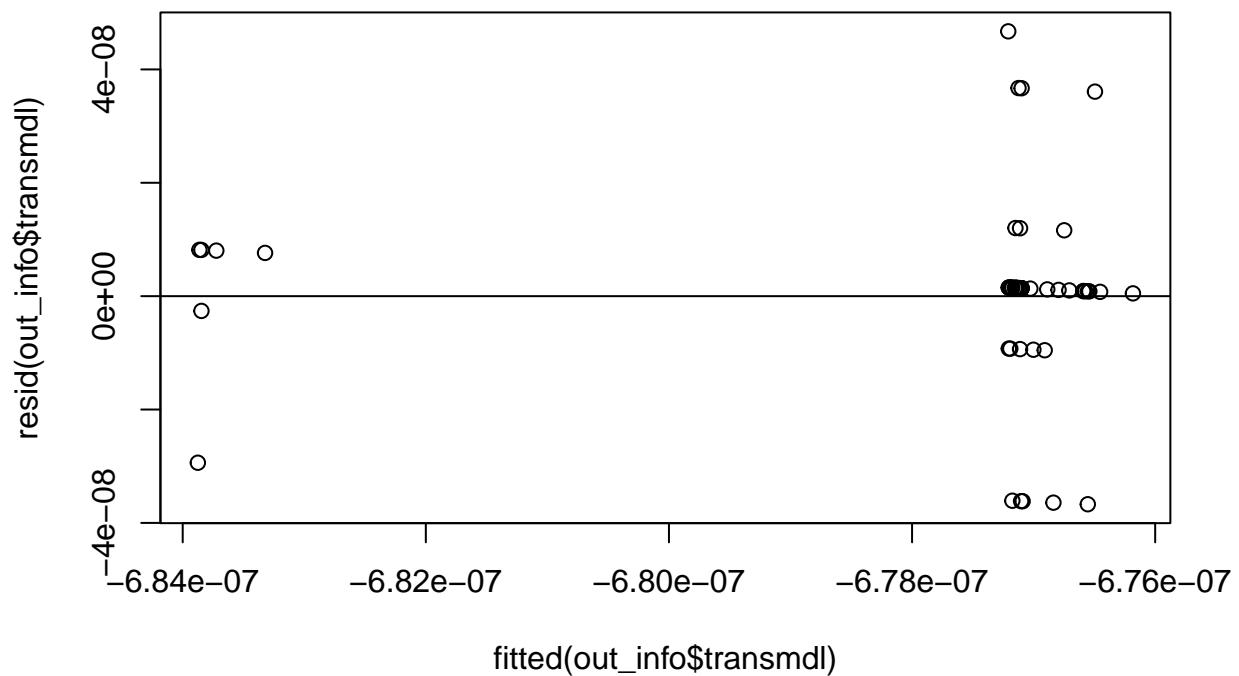
### Normal Q-Q Plot



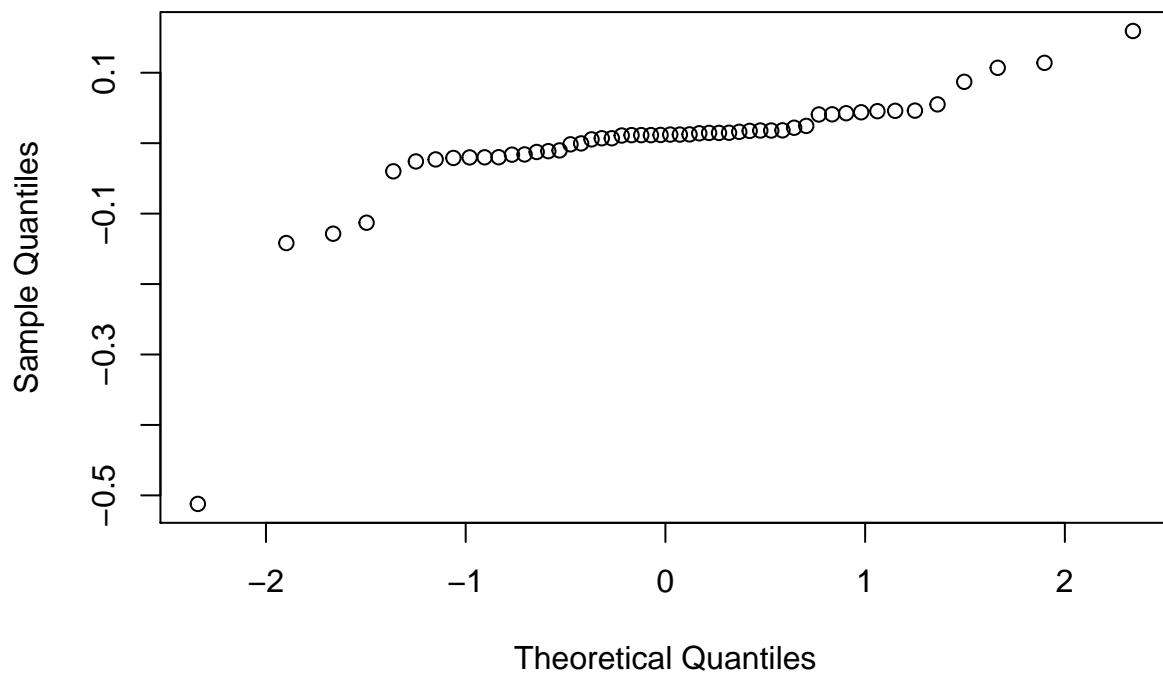
**Plot of SbPFOAorig+  
Plot of SbPFOAorigdays.since.MRF  
Plot of SbPFOAorigEthnicity**



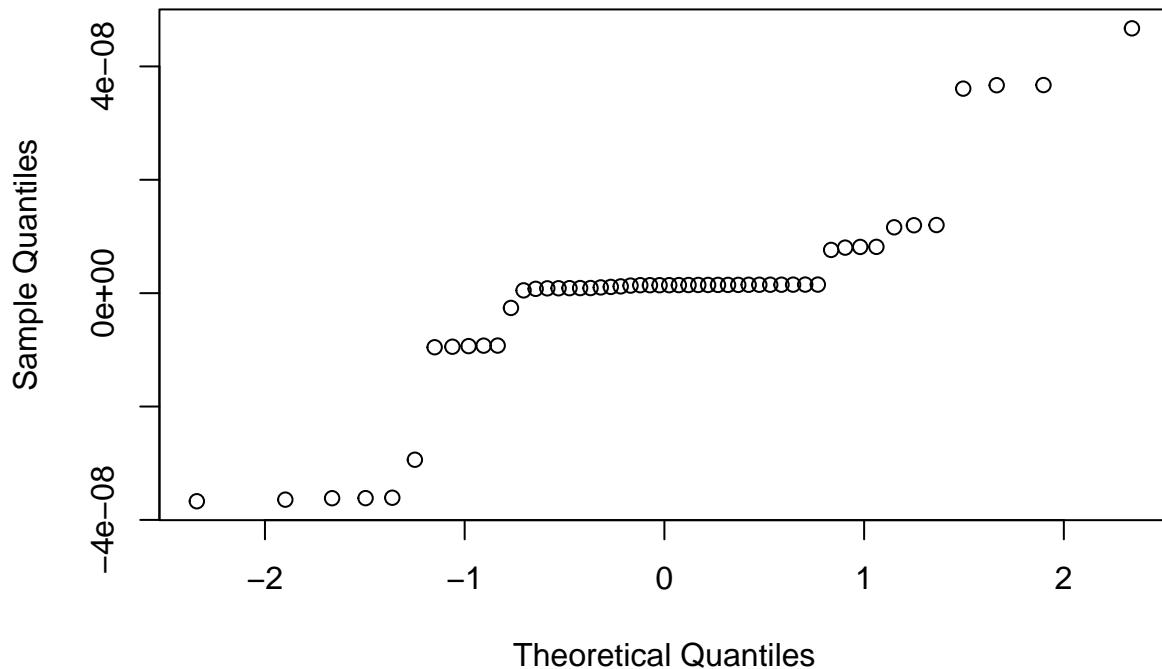
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



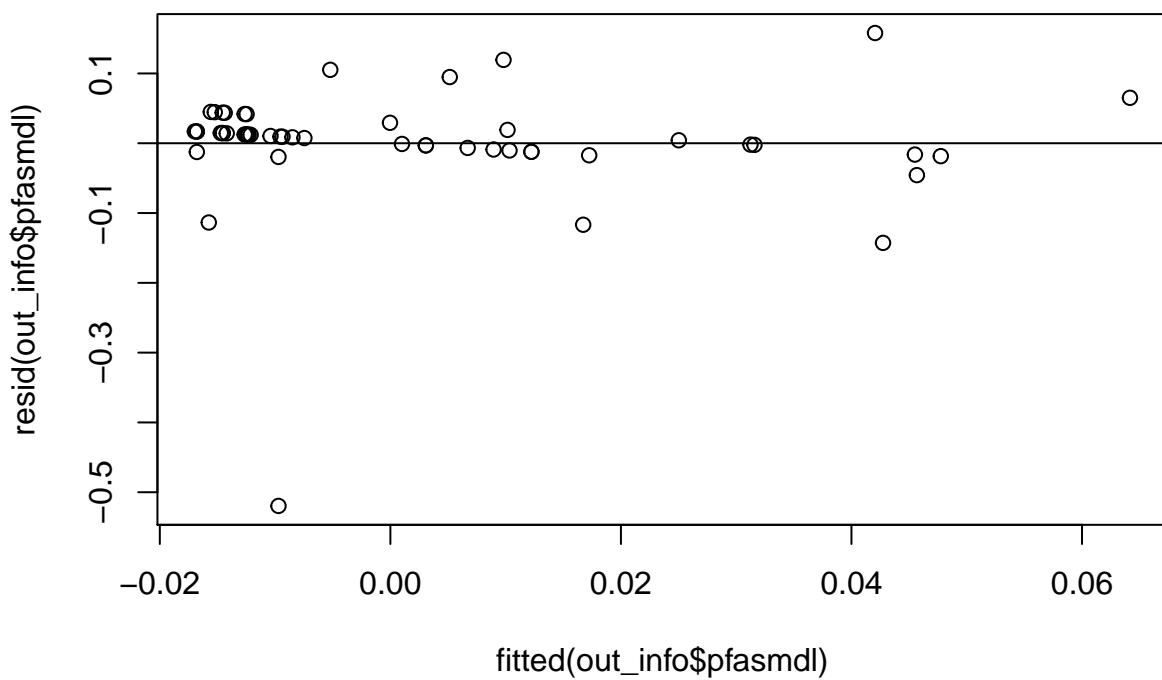
**Normal Q-Q Plot**



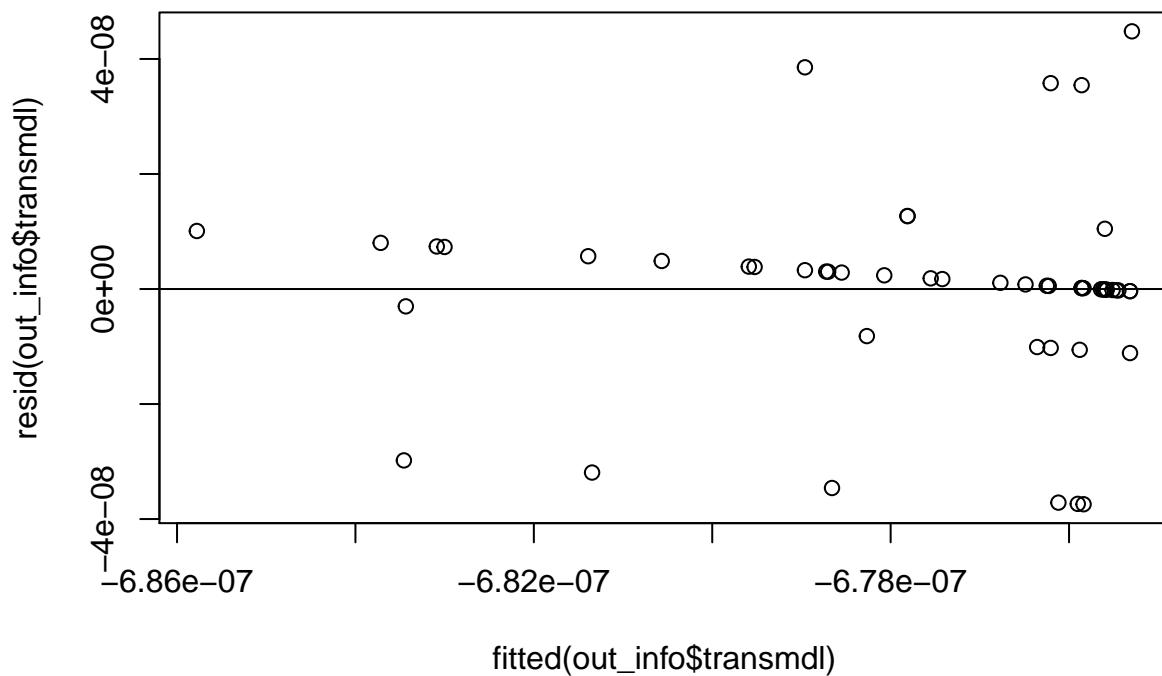
### Normal Q-Q Plot



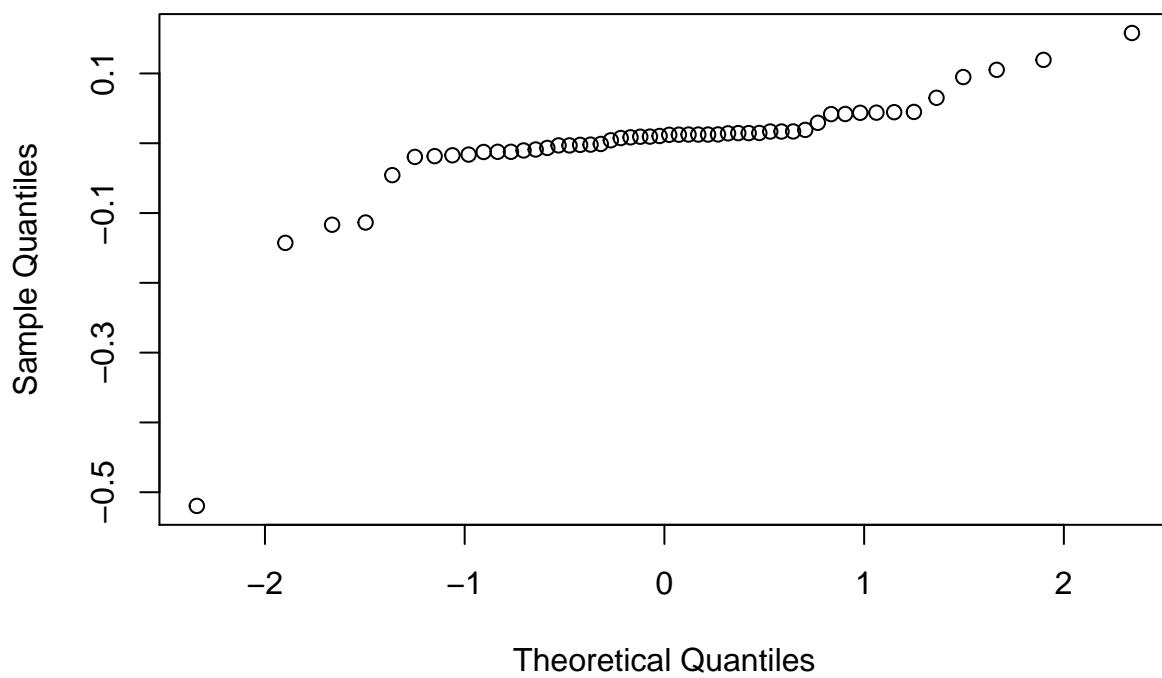
Plot of SbPFOAorig+  
Plot of SbPFOAorigdays.since.struc.MRF  
Plot of SbPFOAorigEthnicity



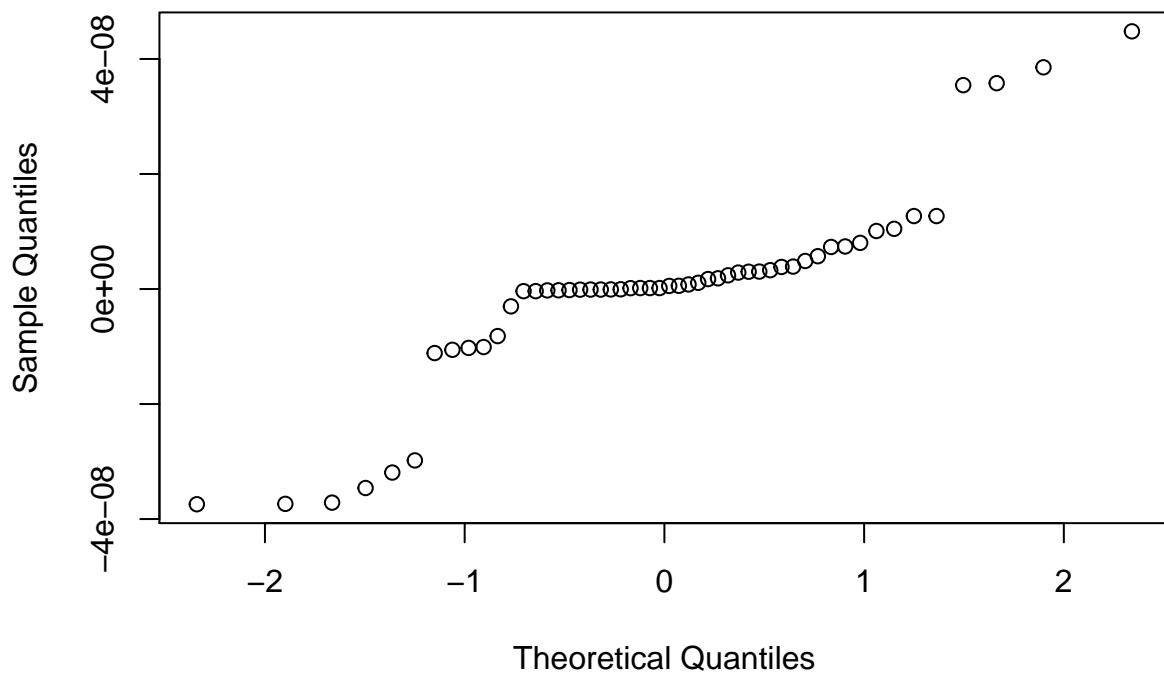
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



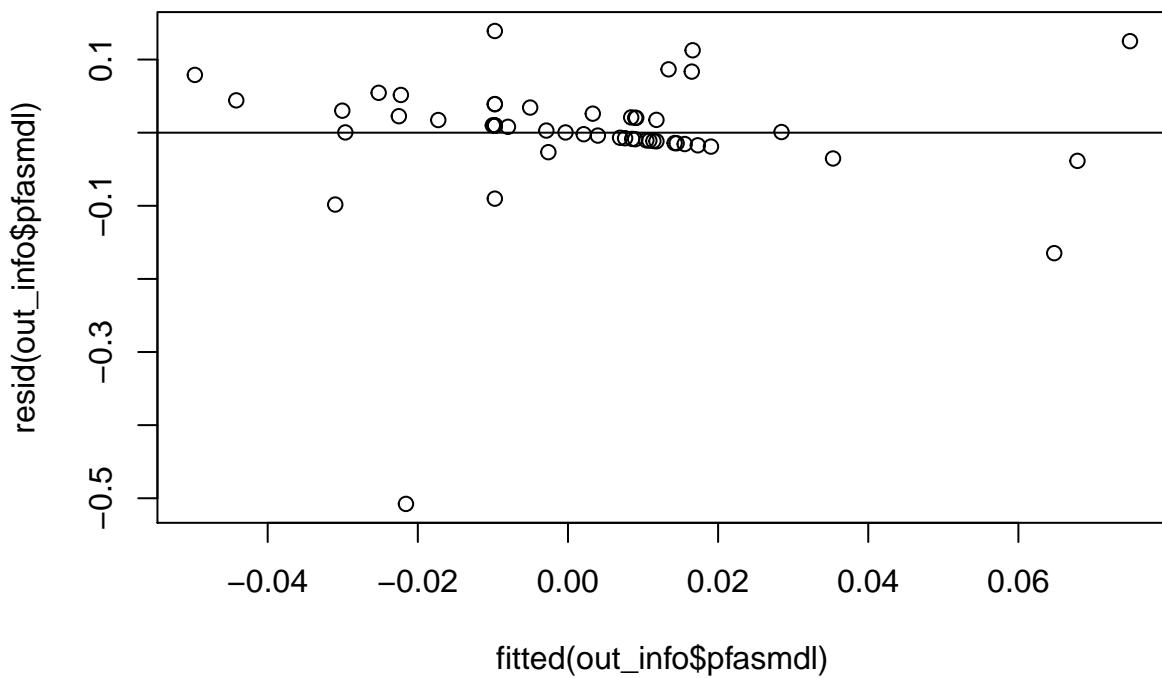
**Normal Q-Q Plot**



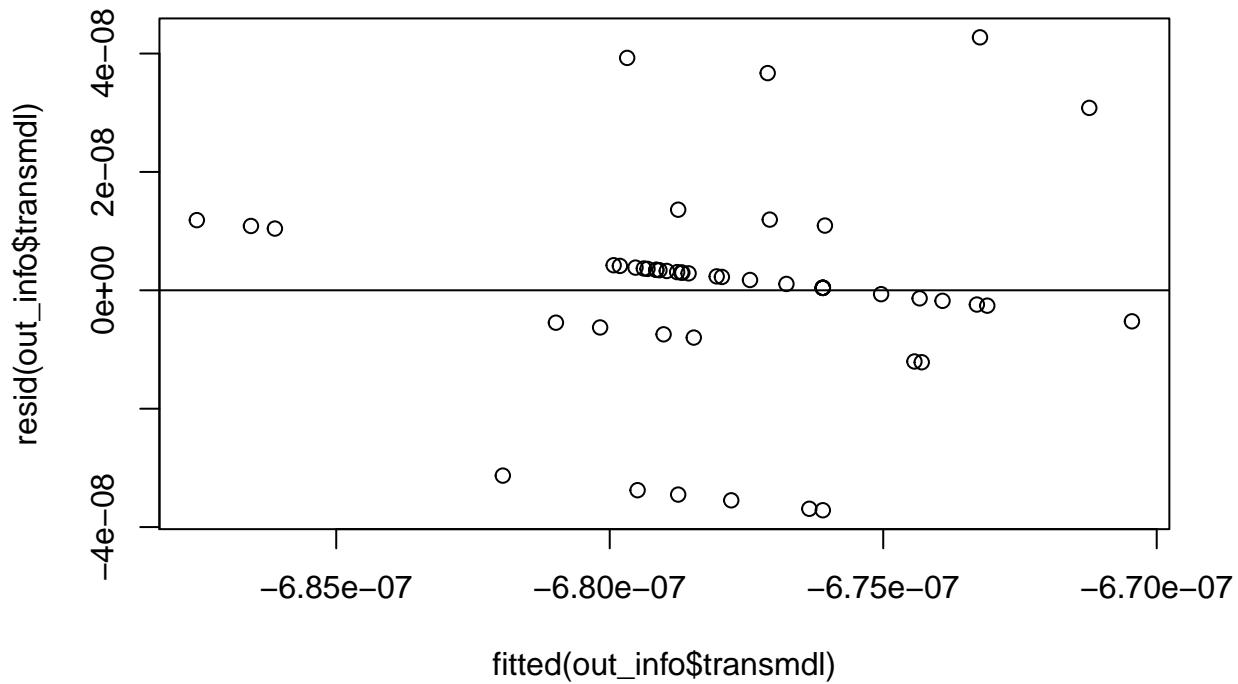
### Normal Q-Q Plot



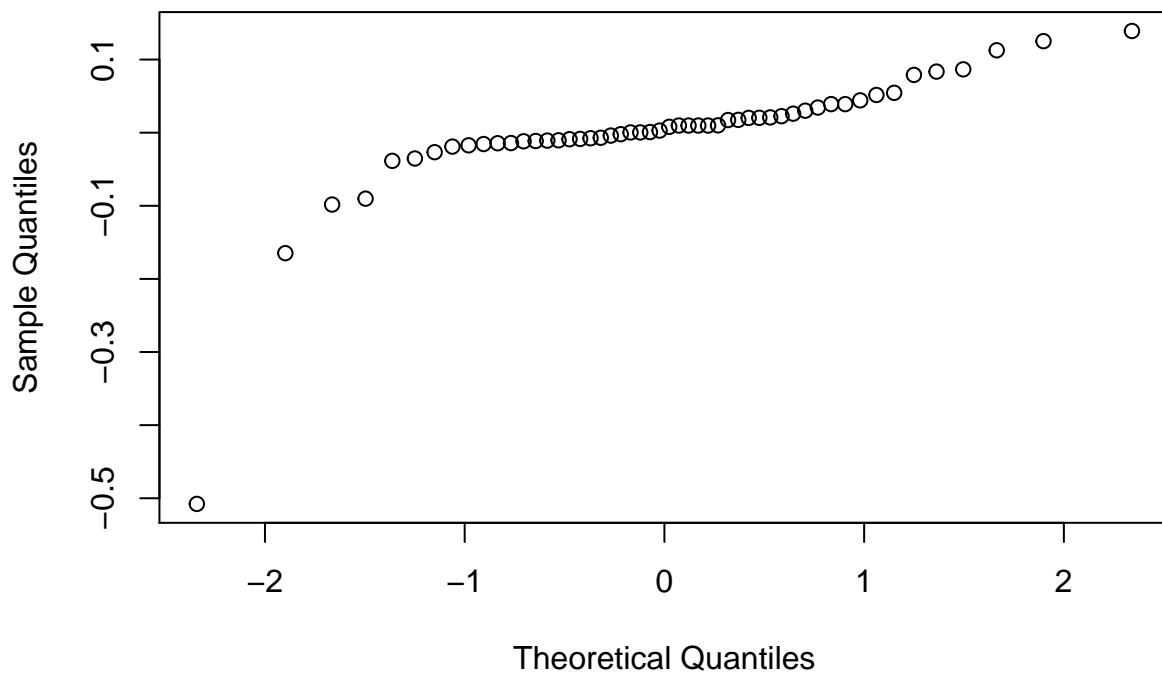
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtime.since.baseline  
Plot of SbPFOAorigEthnicity**



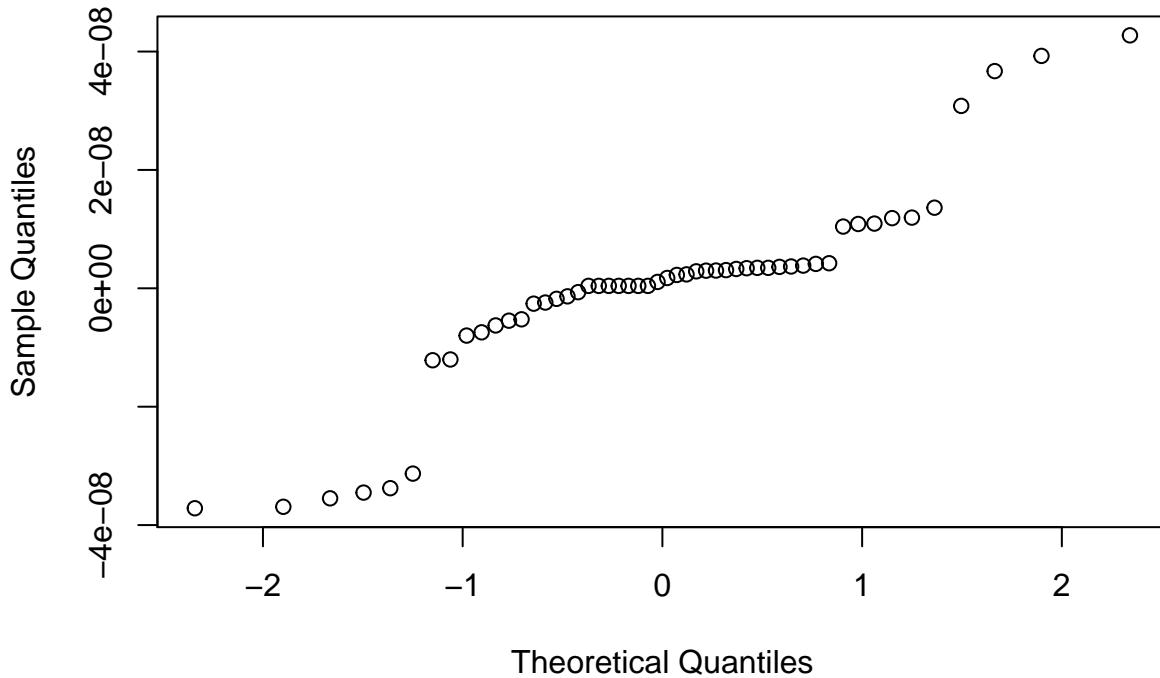
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



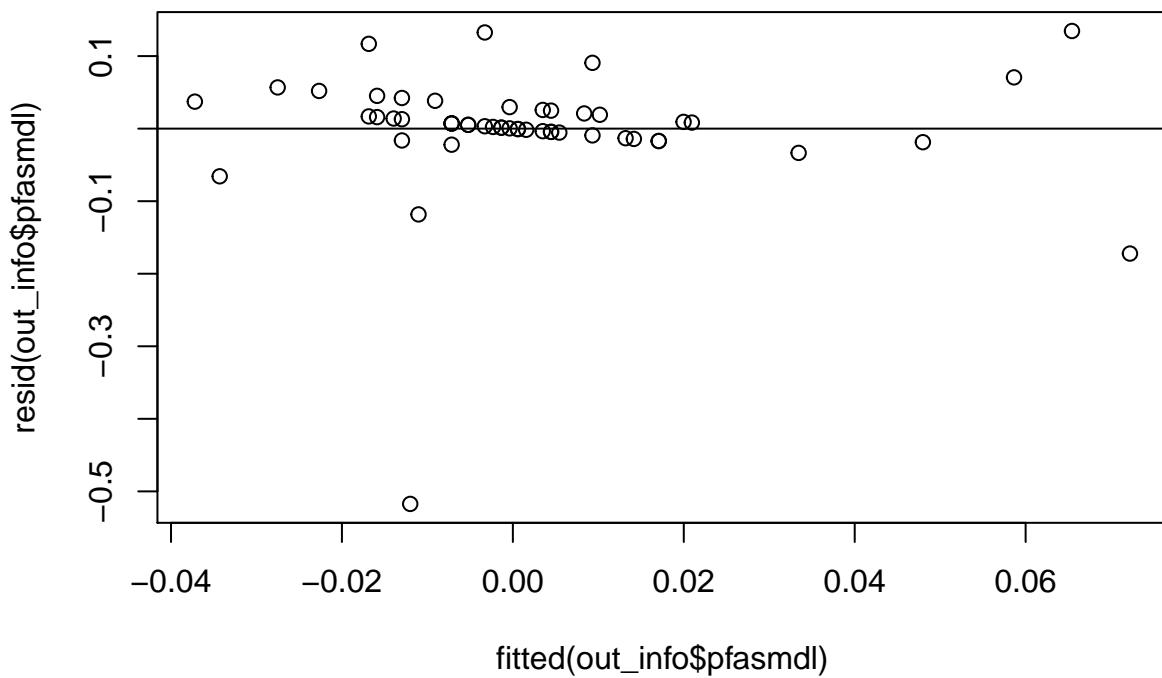
**Normal Q-Q Plot**



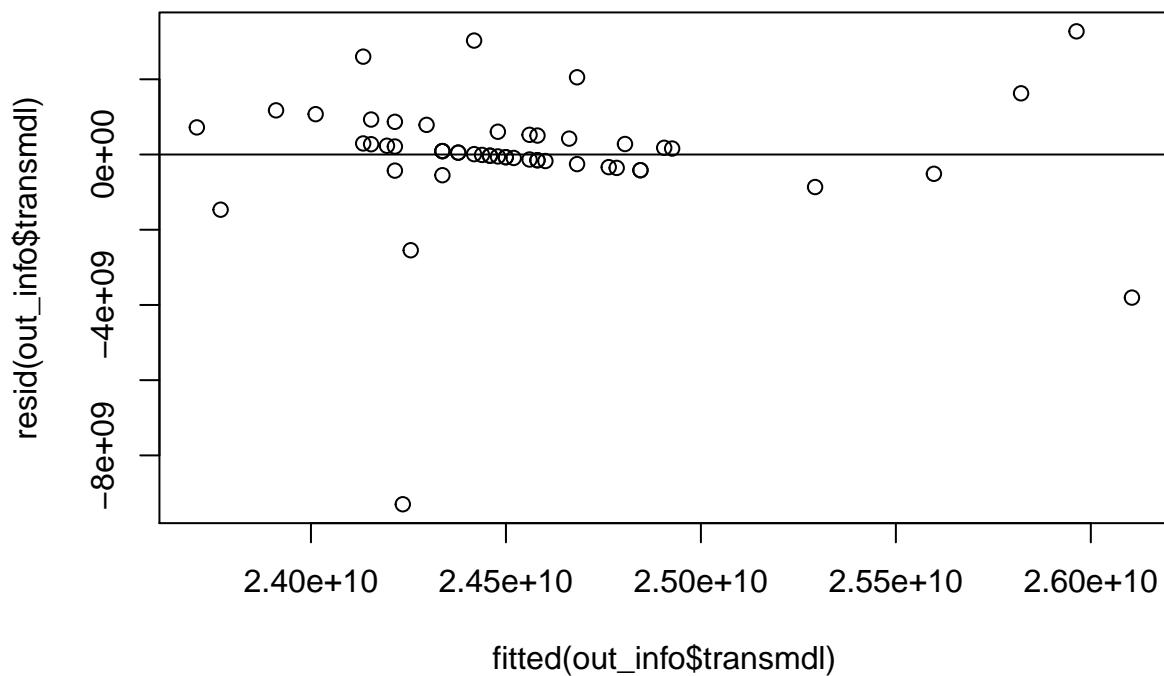
### Normal Q-Q Plot



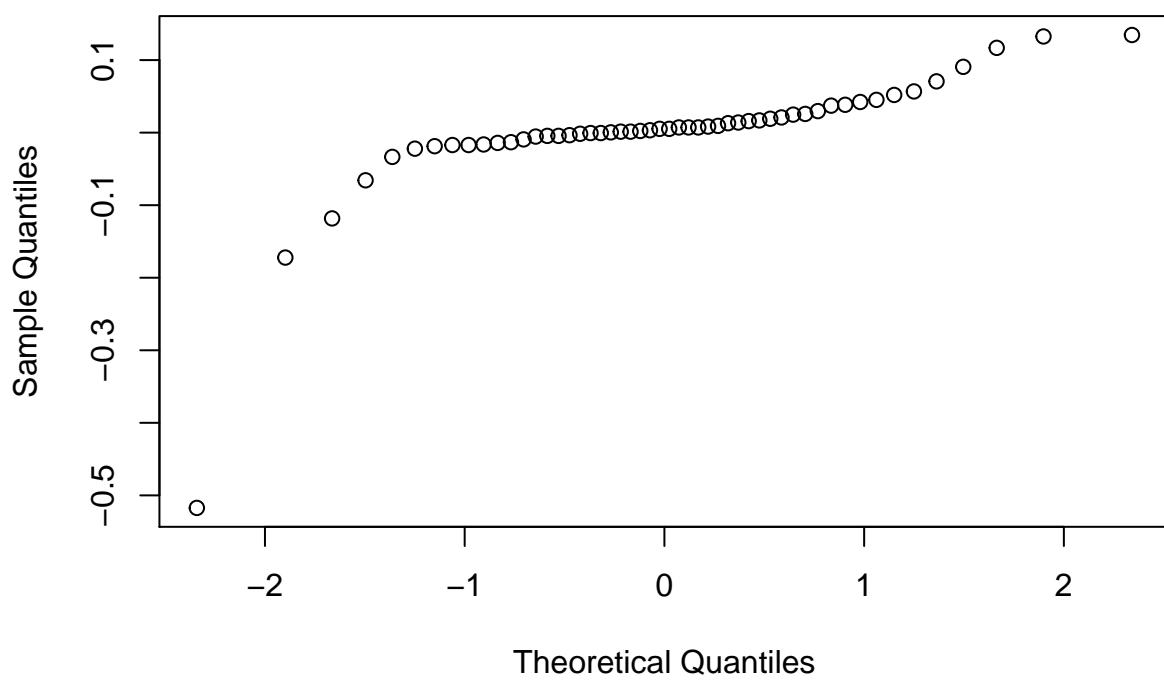
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity**



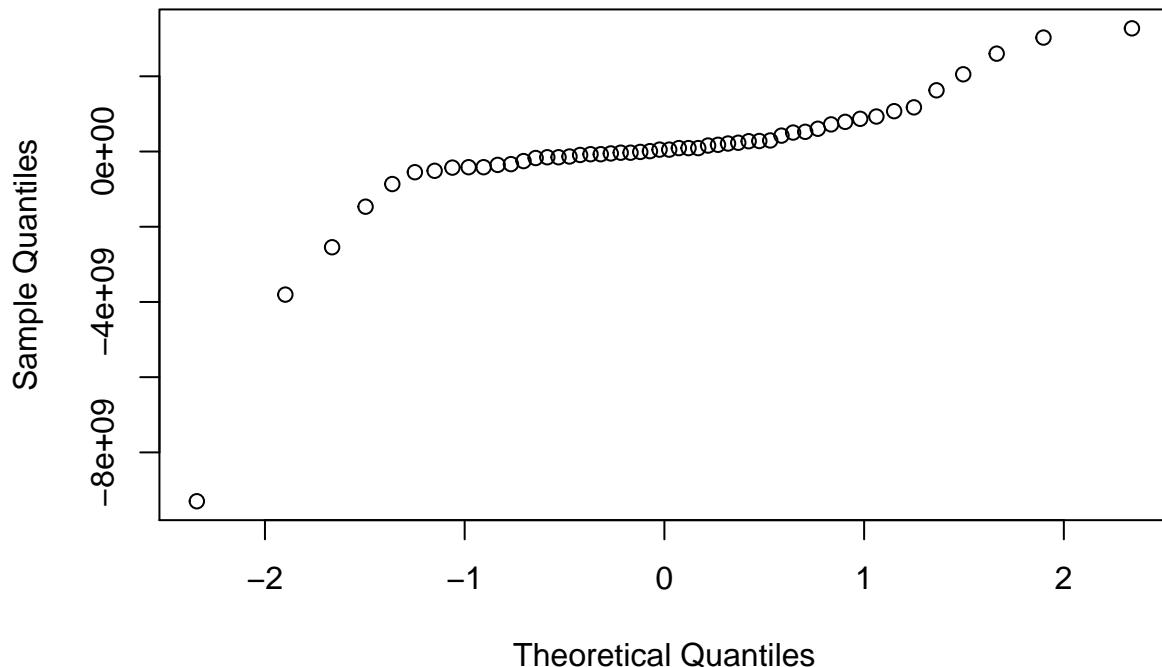
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



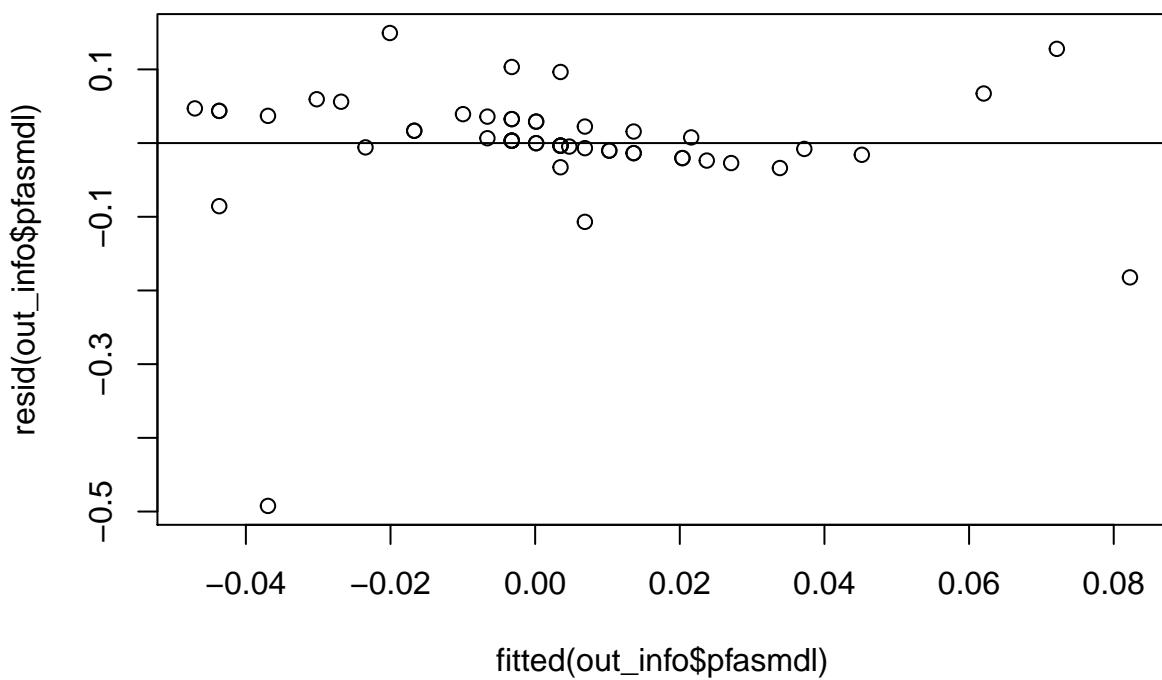
**Normal Q-Q Plot**



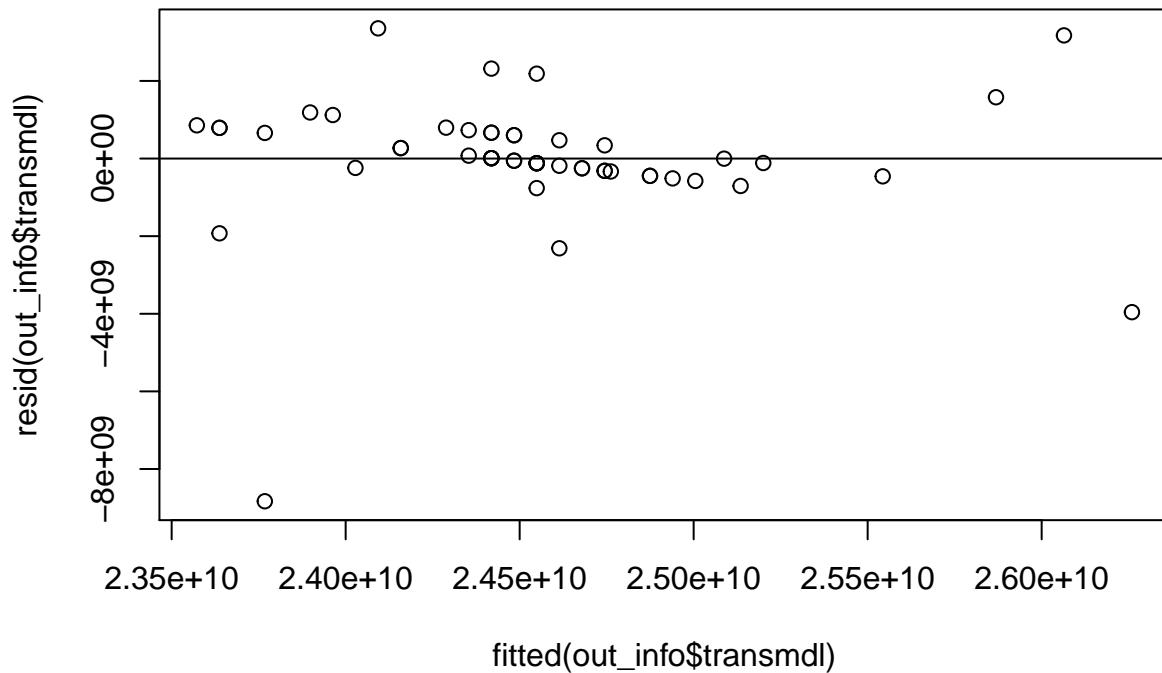
### Normal Q-Q Plot



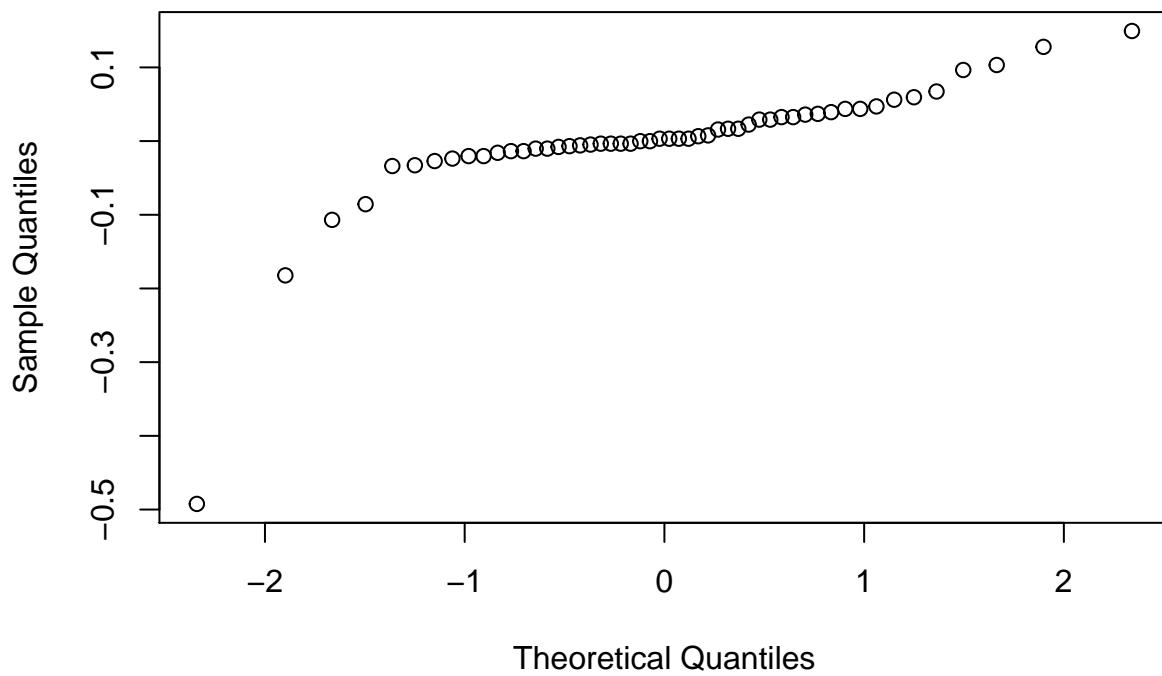
Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.num.fireruns  
Plot of SbPFOAorigEthnicity



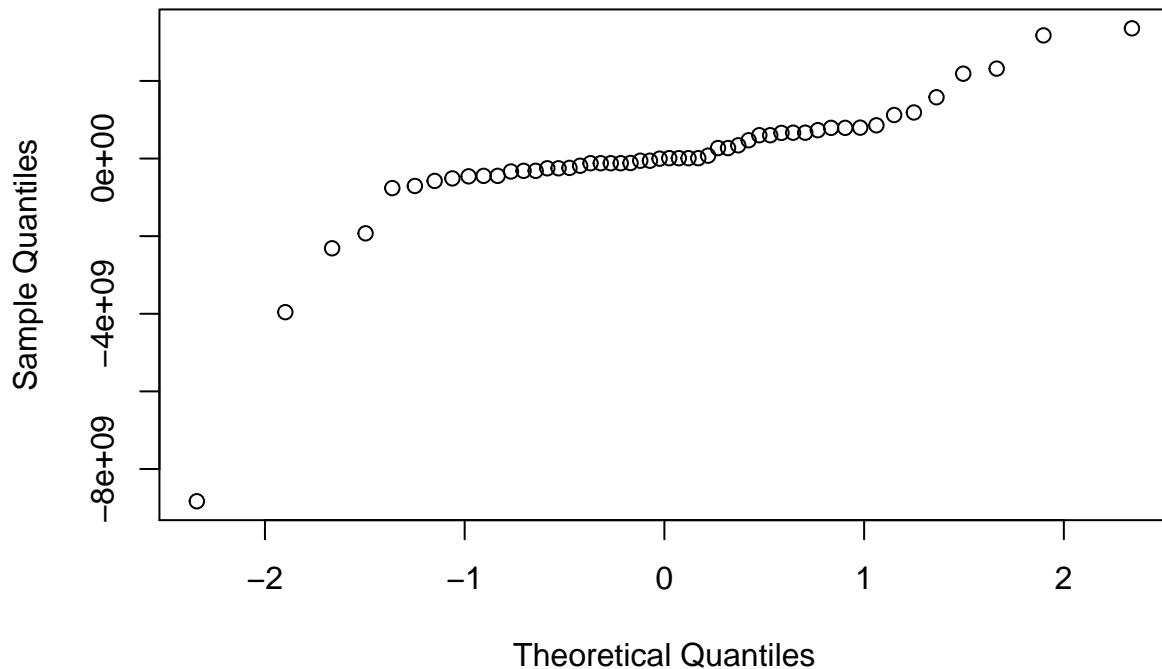
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



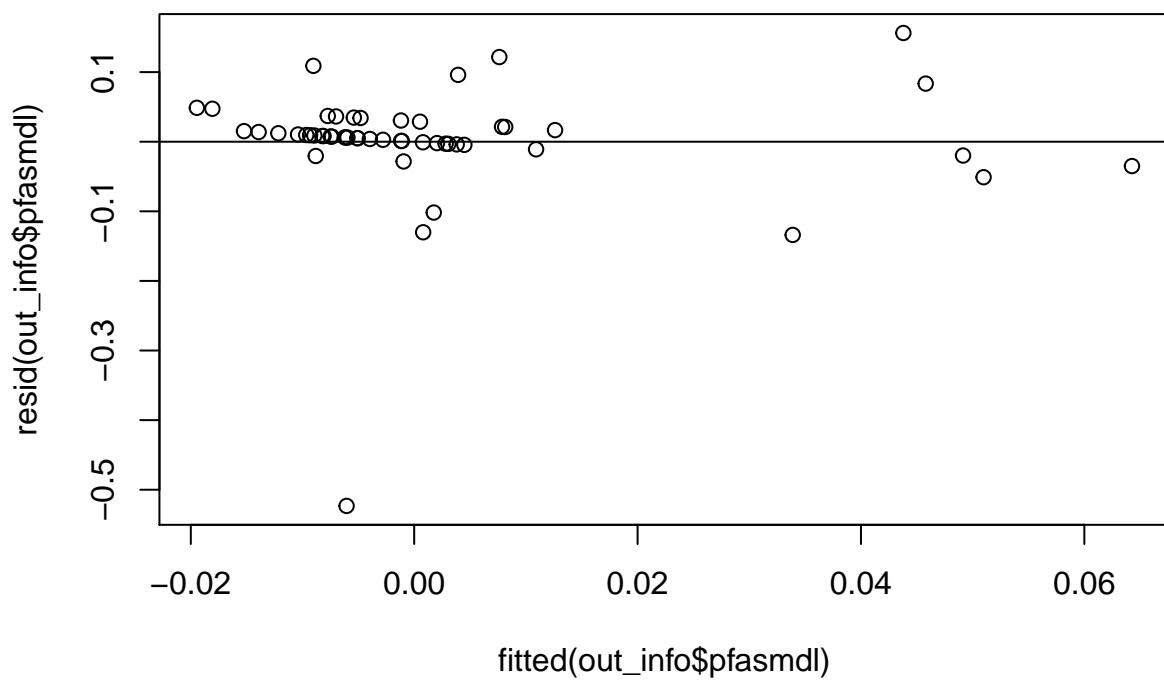
**Normal Q-Q Plot**



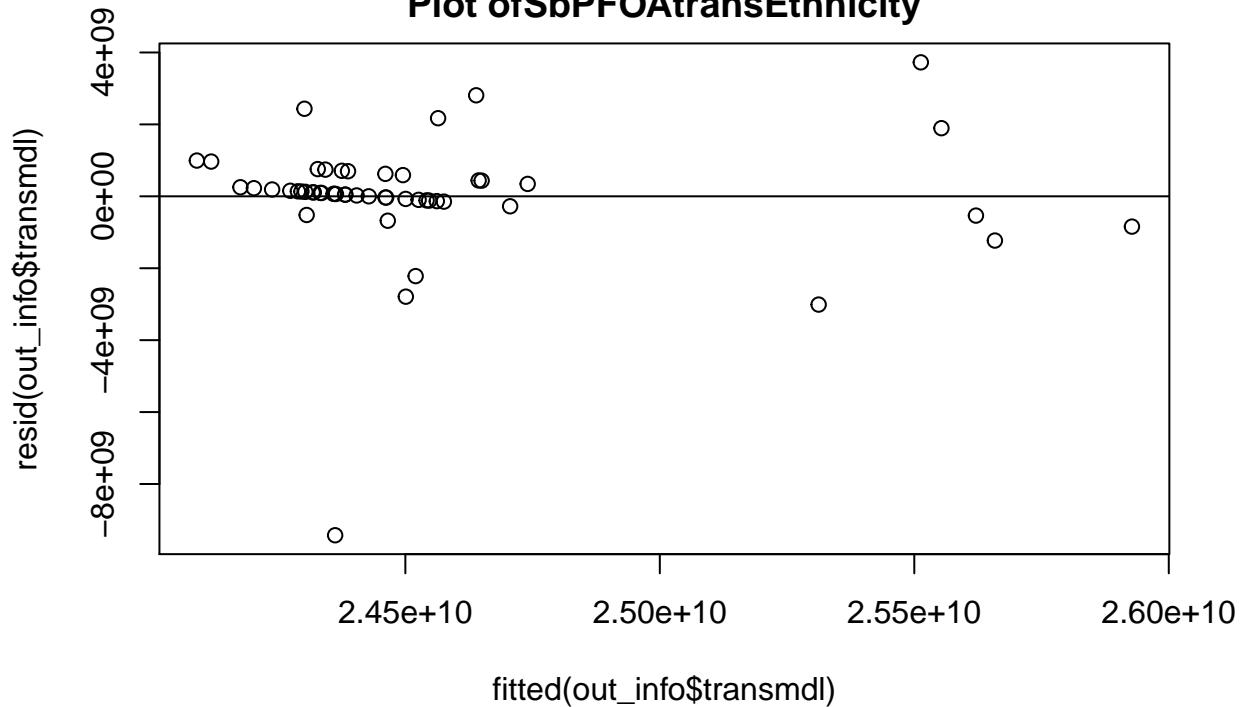
### Normal Q-Q Plot



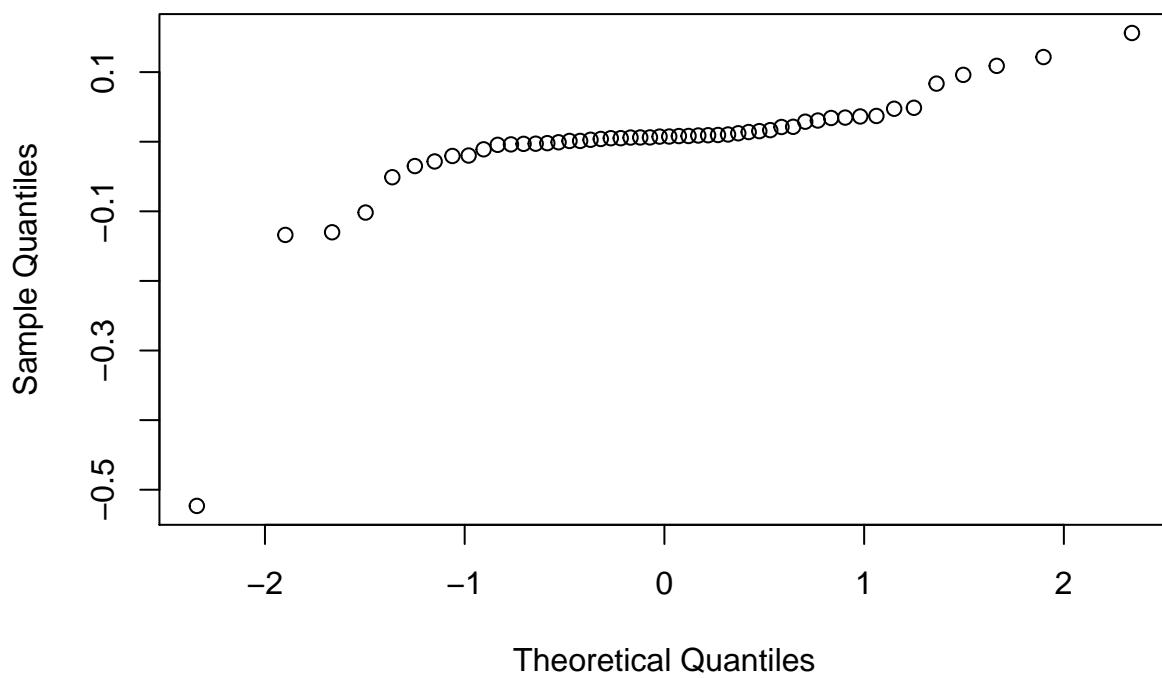
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.duration.hrs  
Plot of SbPFOAorigEthnicity**

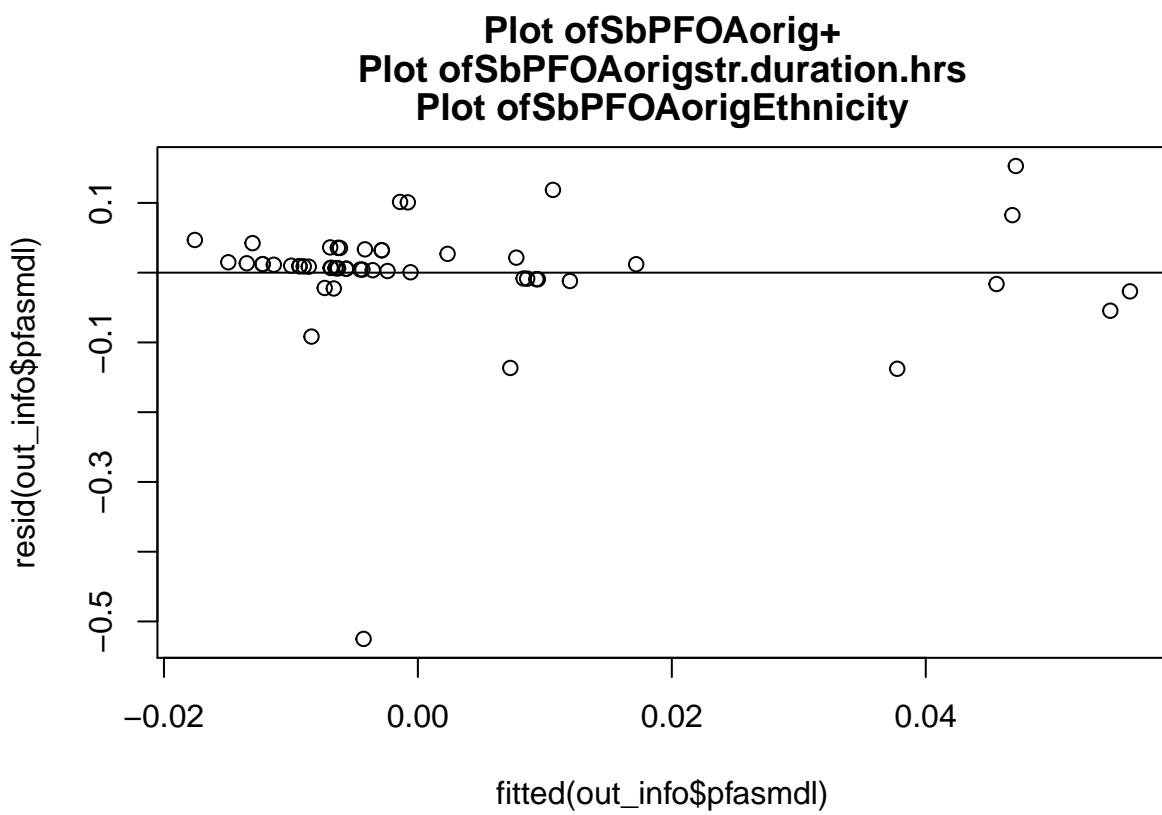
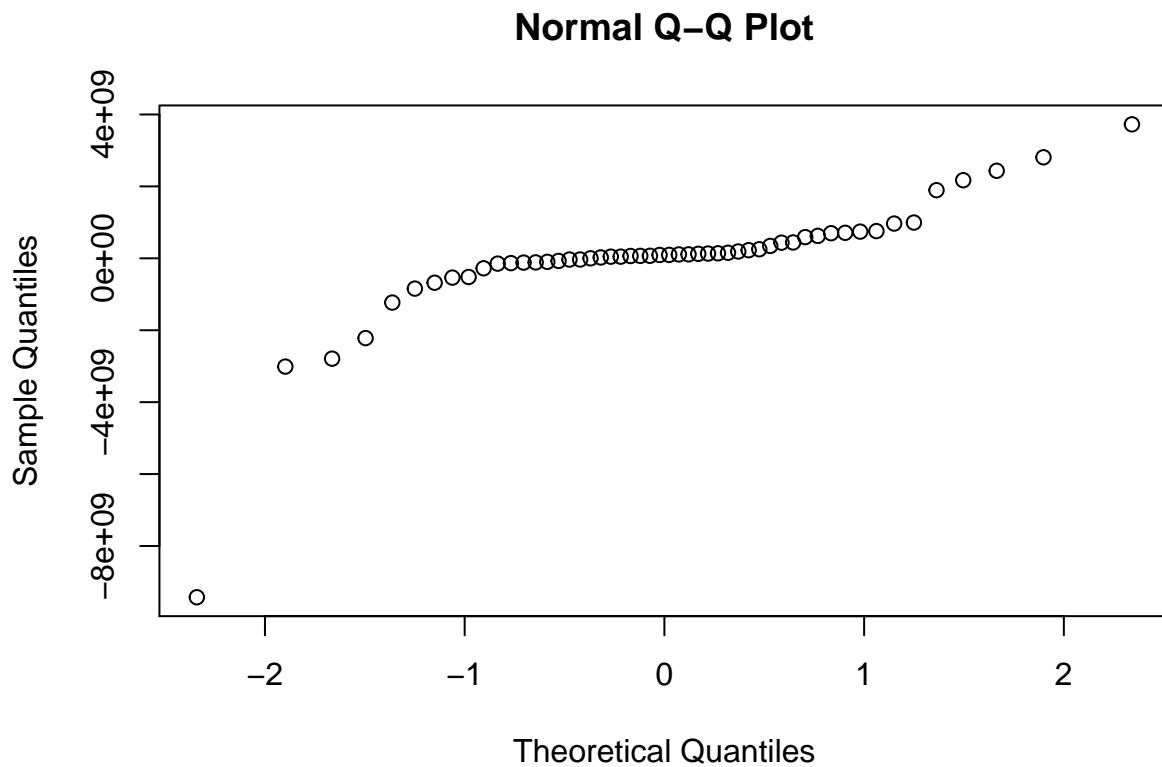


**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**

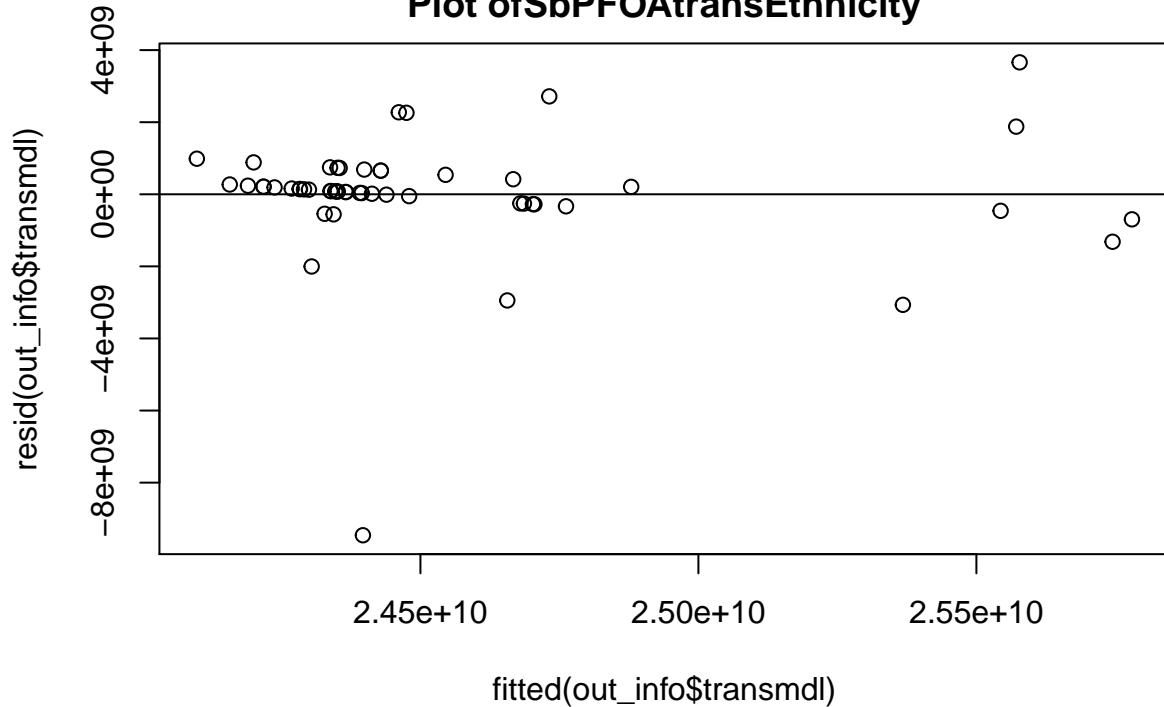


**Normal Q-Q Plot**

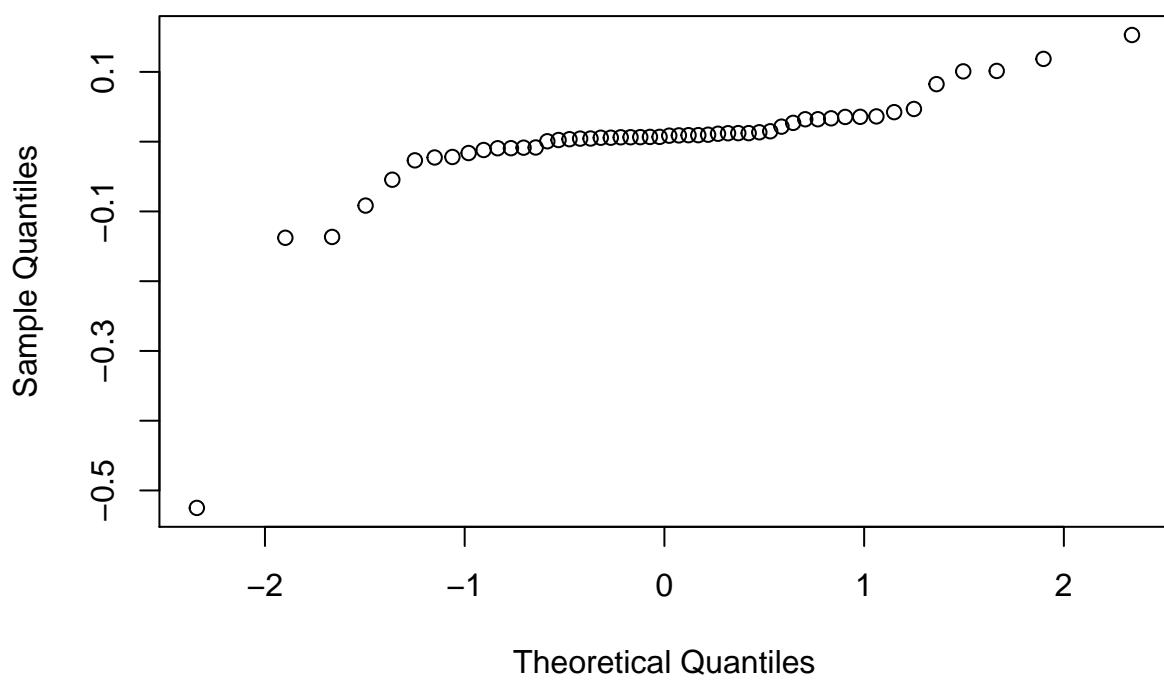


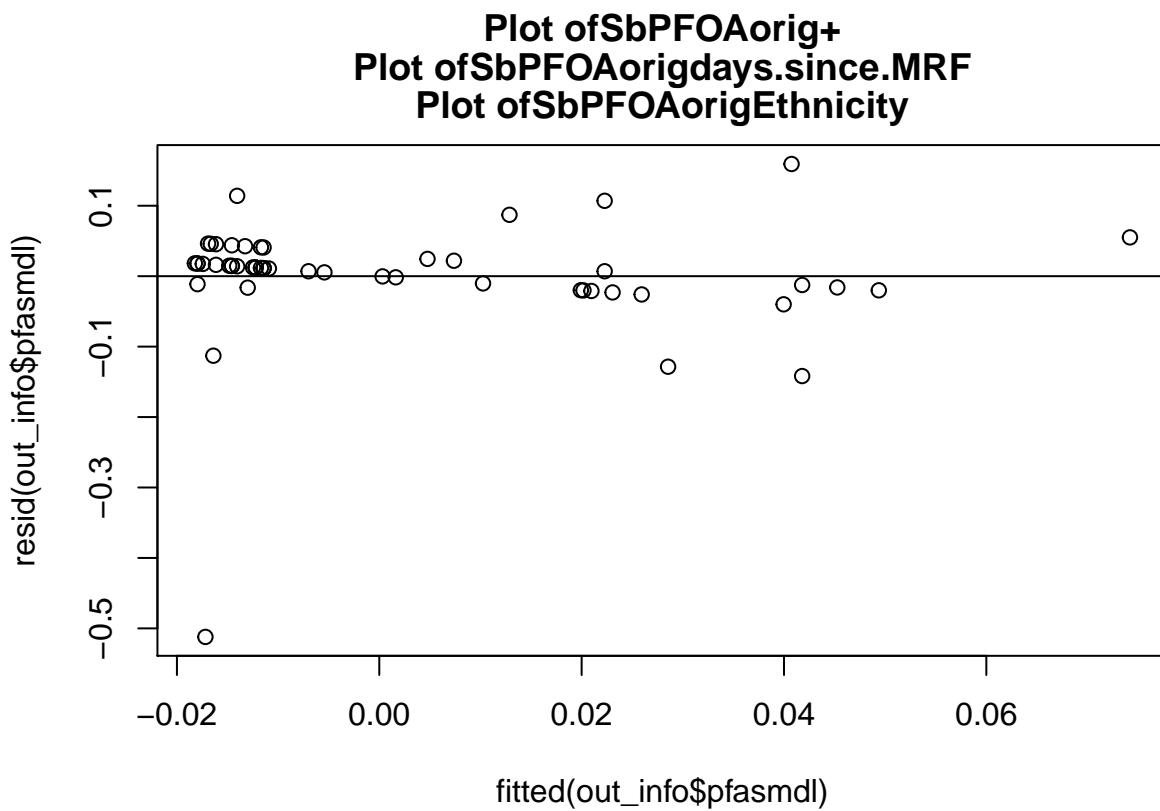
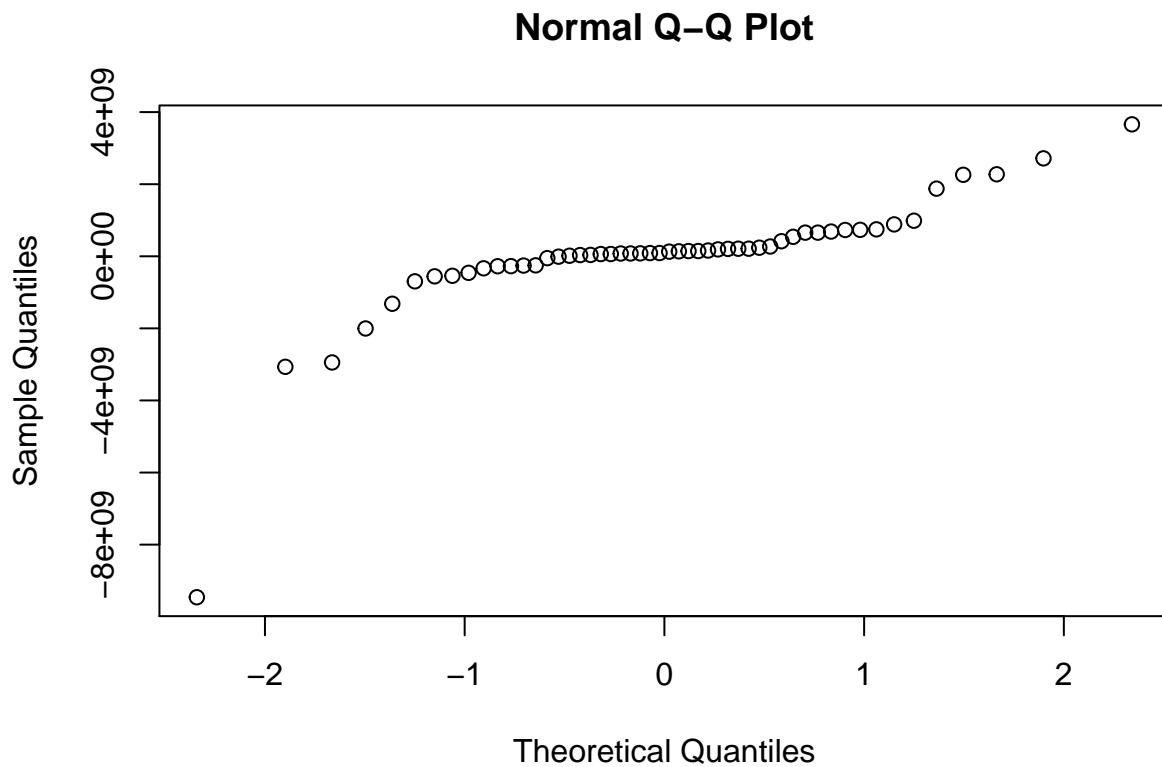


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

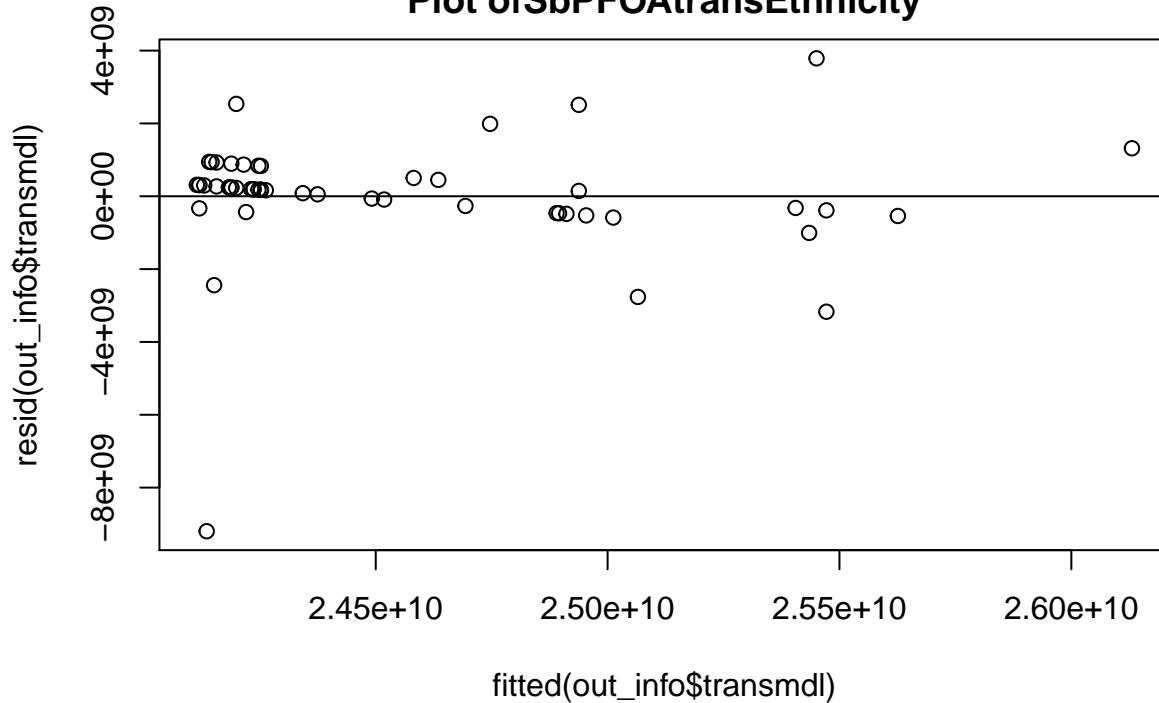


**Normal Q-Q Plot**

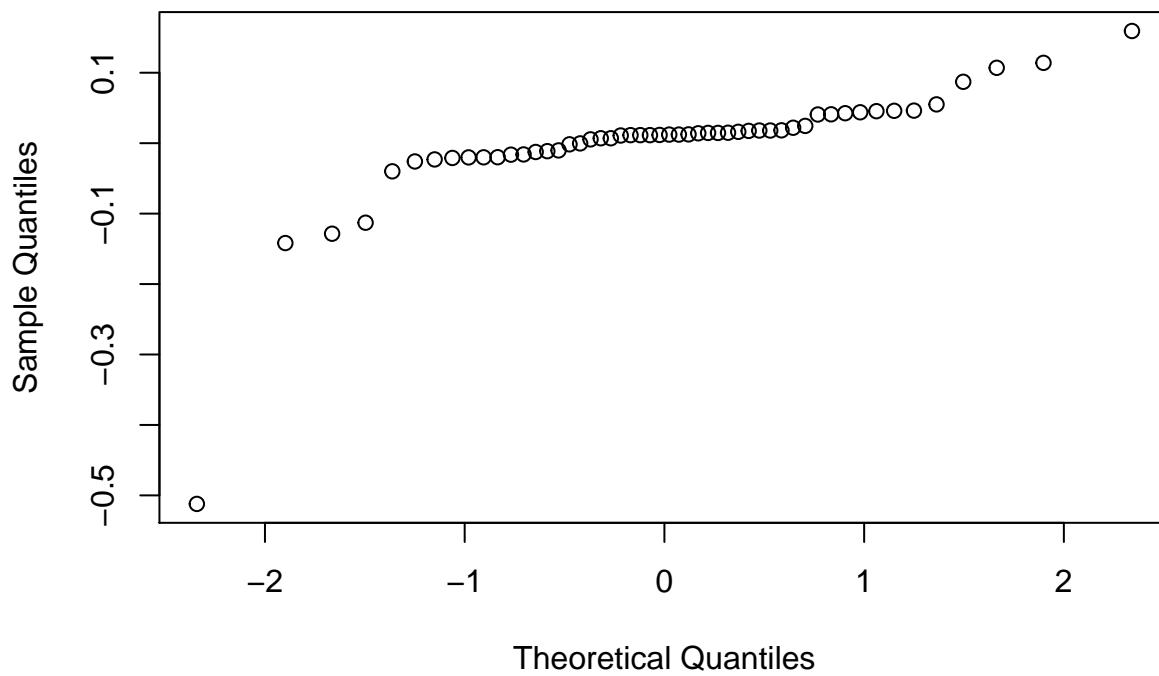


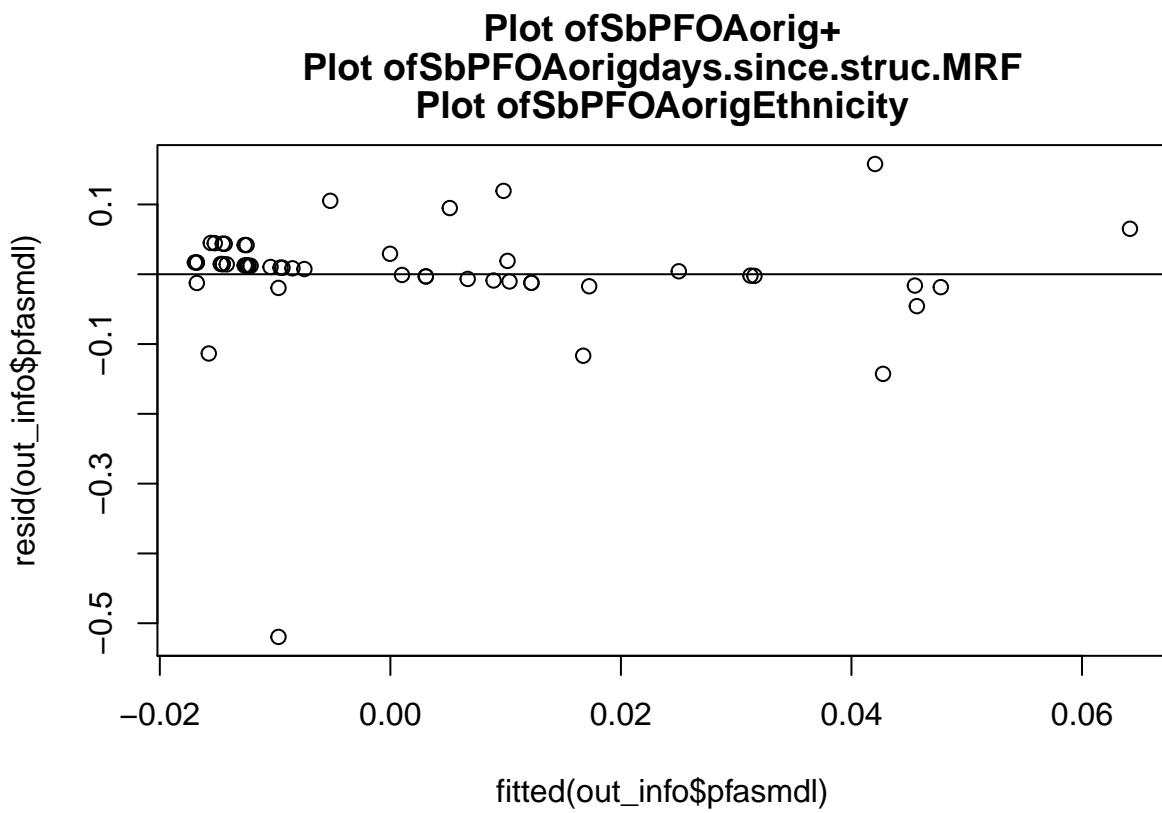
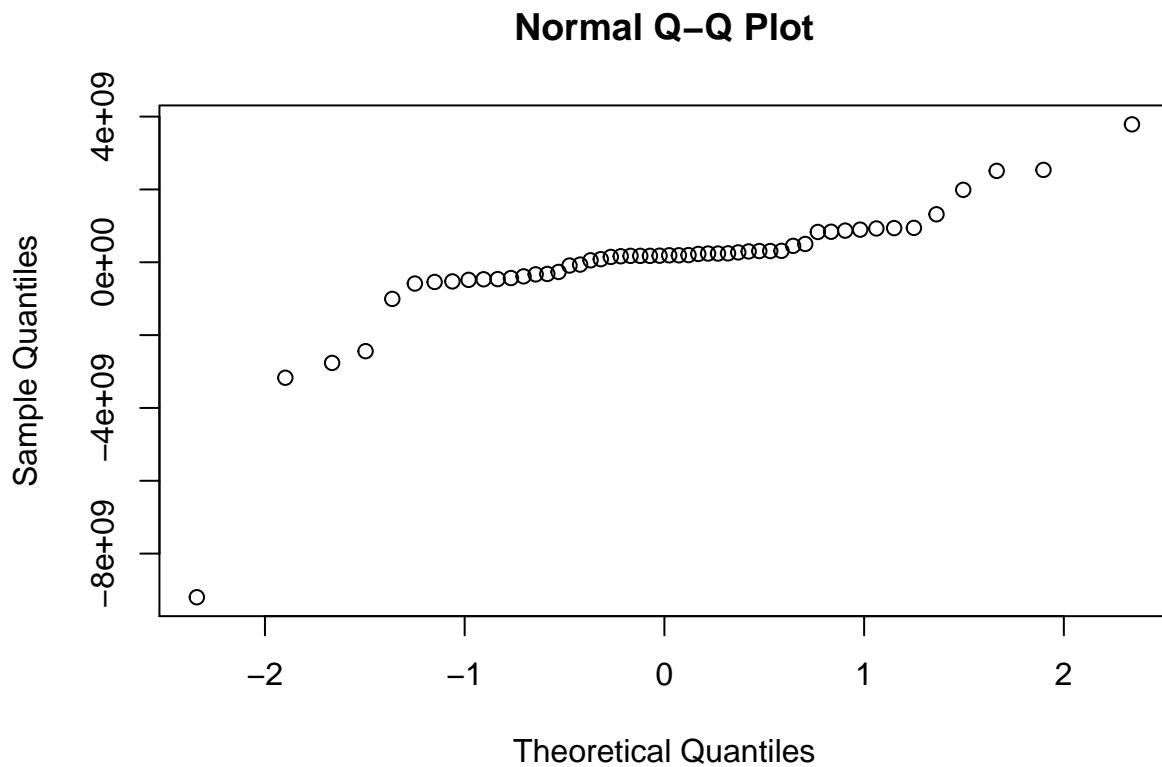


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

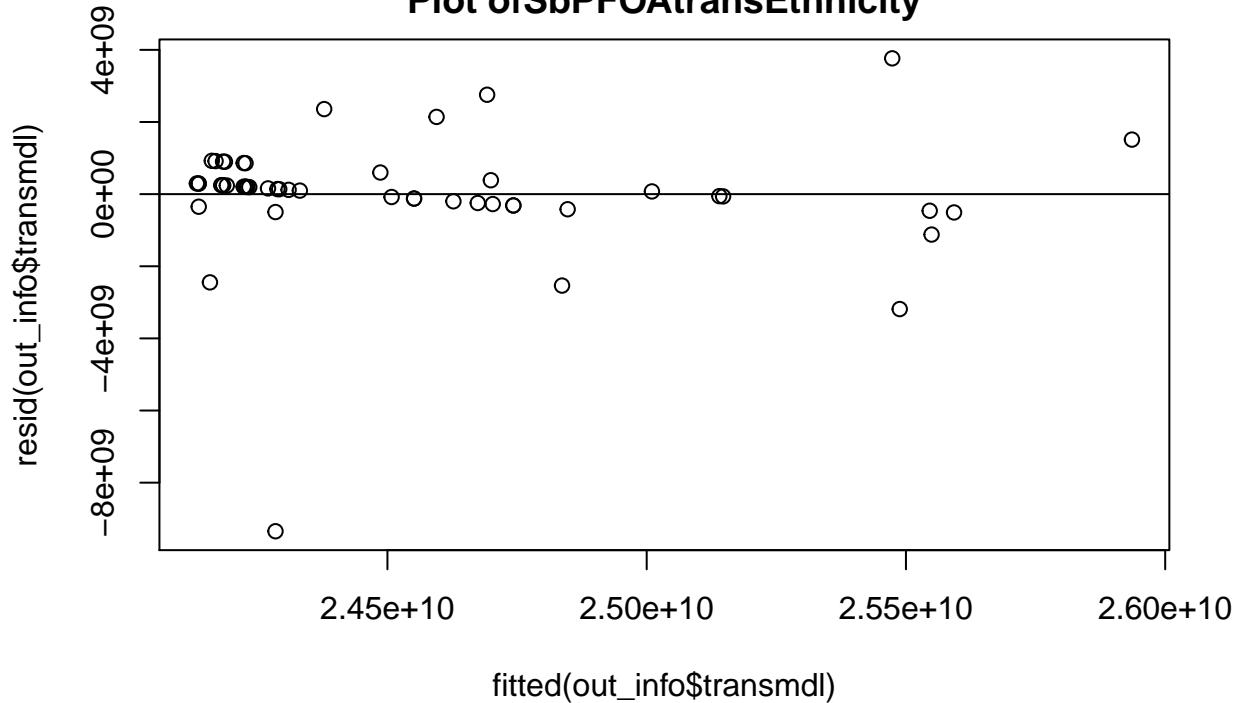


**Normal Q-Q Plot**

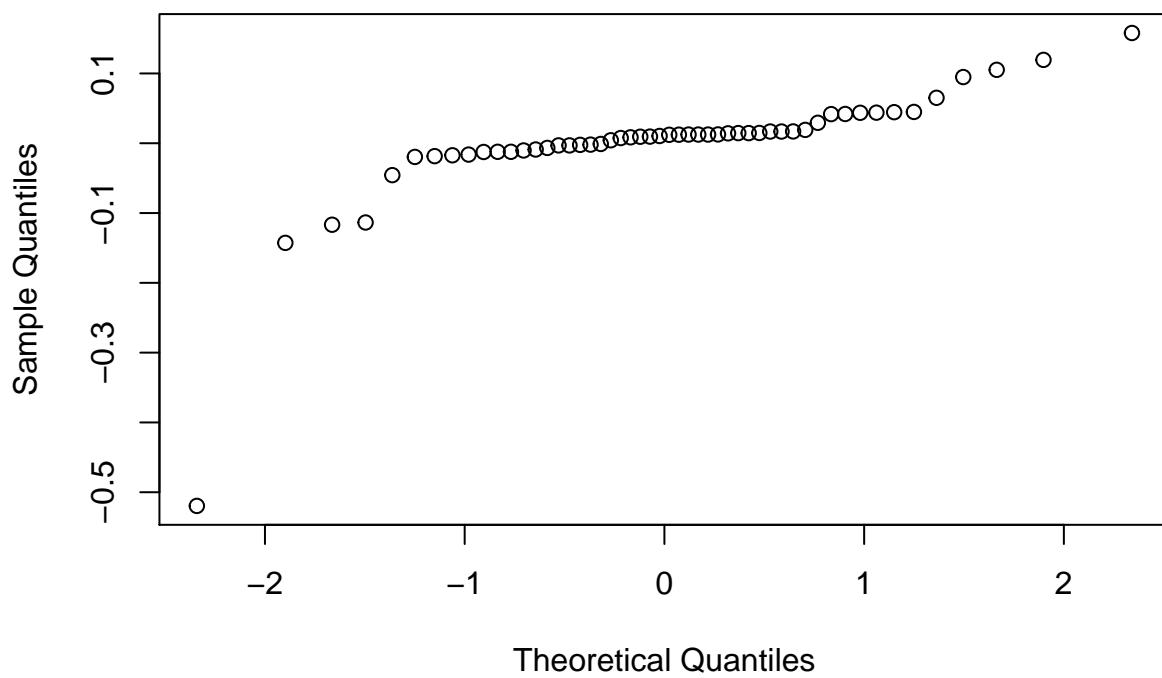




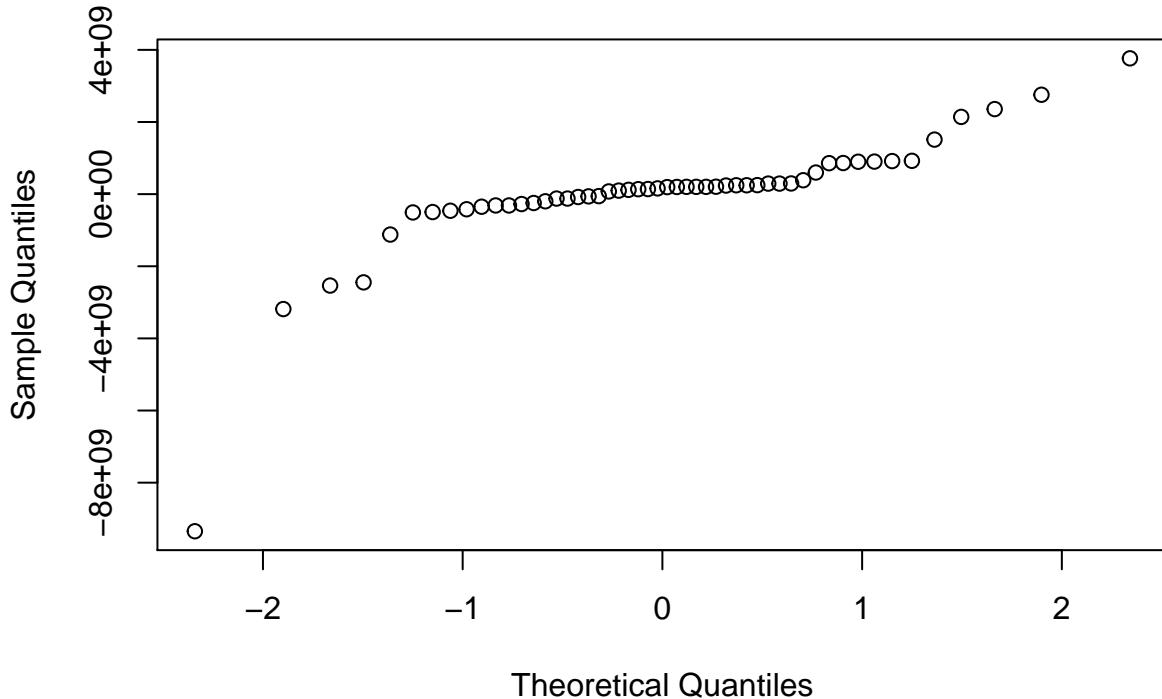
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**



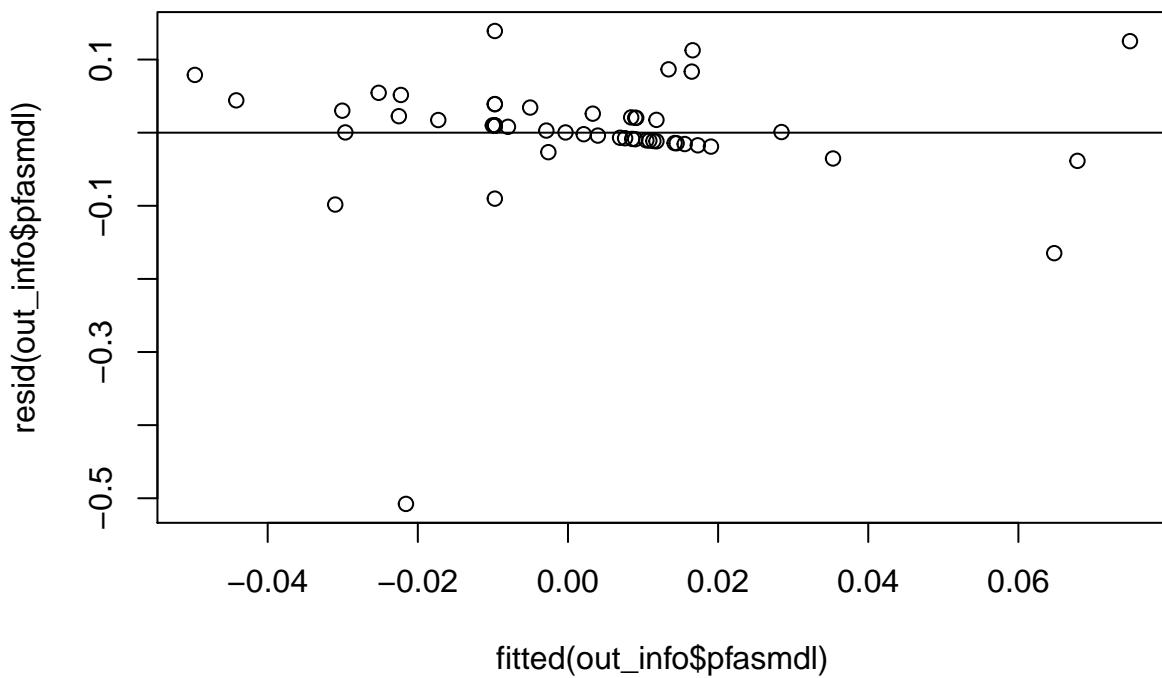
**Normal Q-Q Plot**



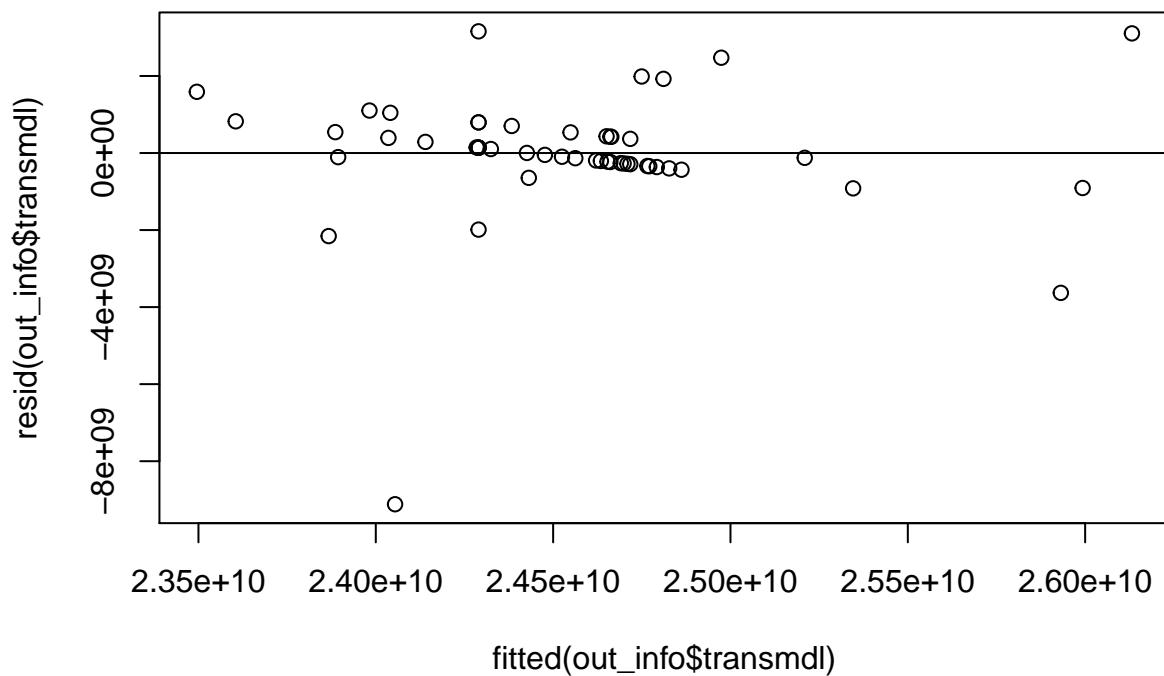
### Normal Q-Q Plot



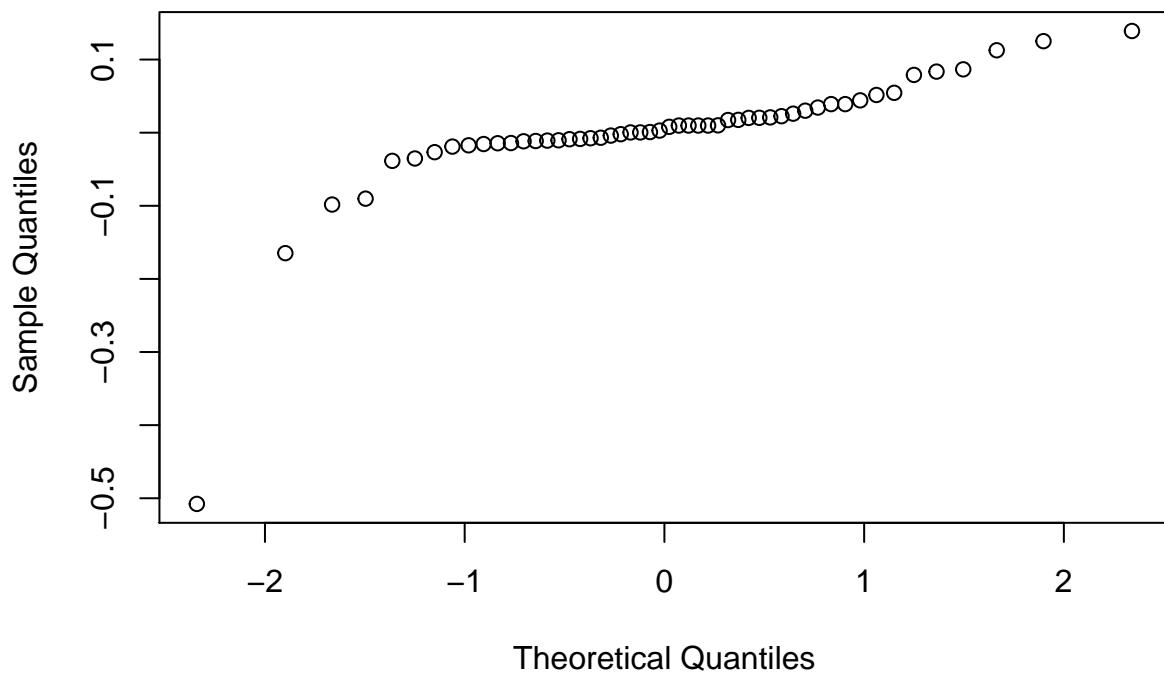
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtime.since.baseline  
Plot of SbPFOAorigEthnicity**



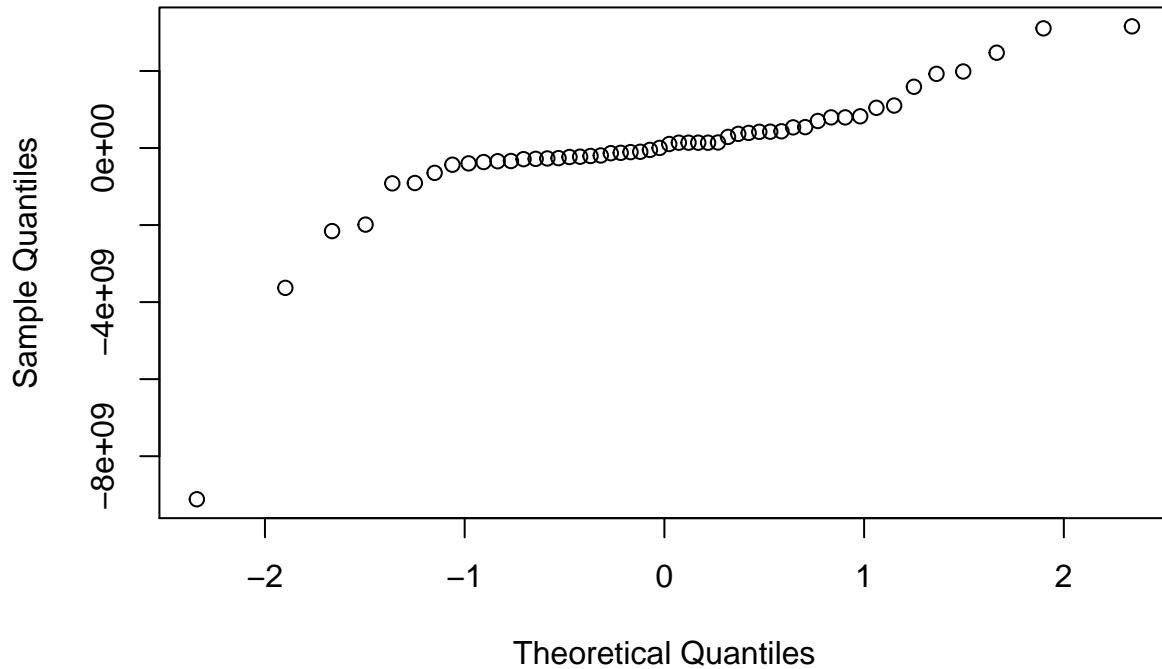
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



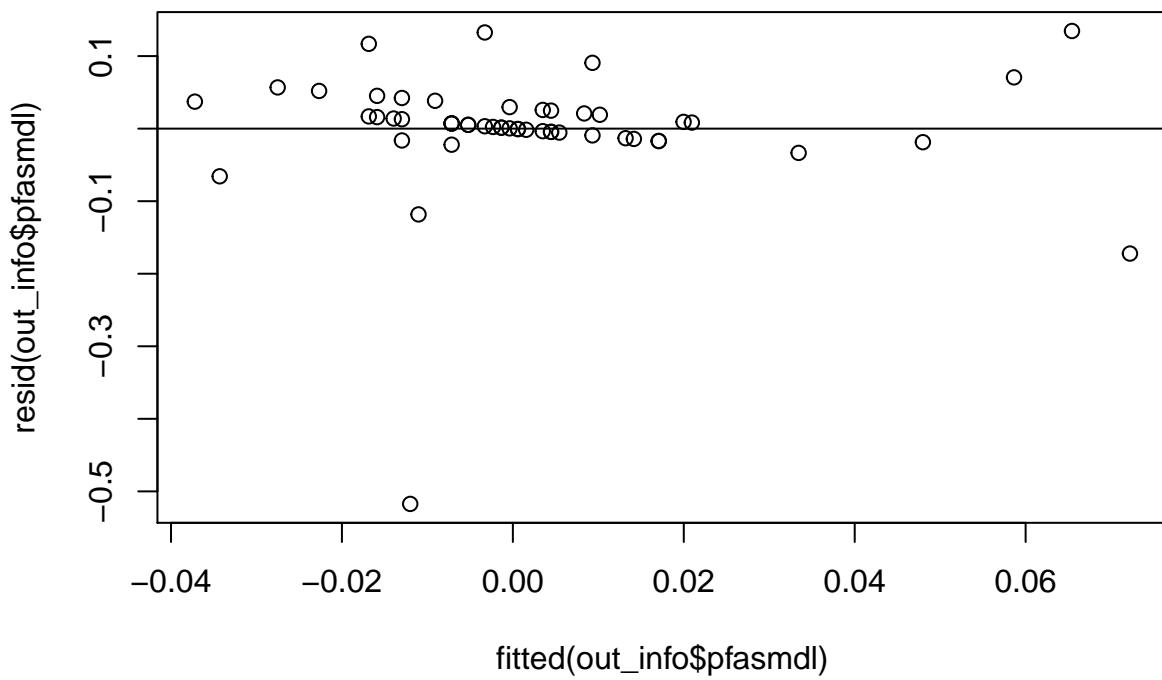
**Normal Q-Q Plot**



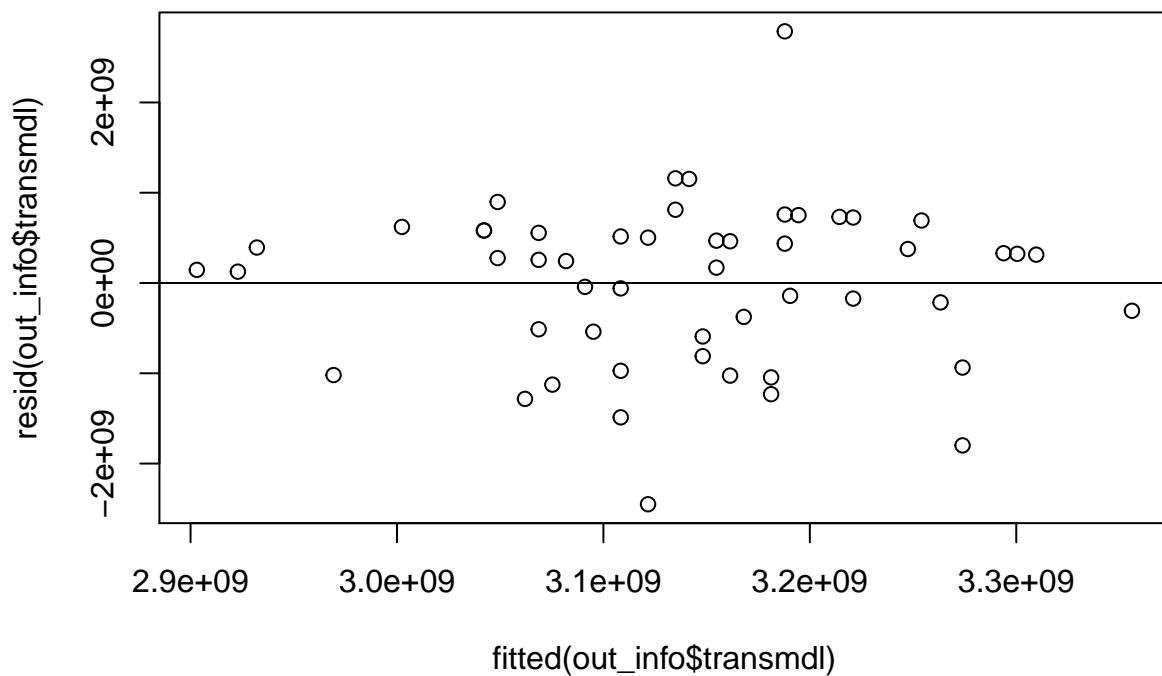
### Normal Q-Q Plot



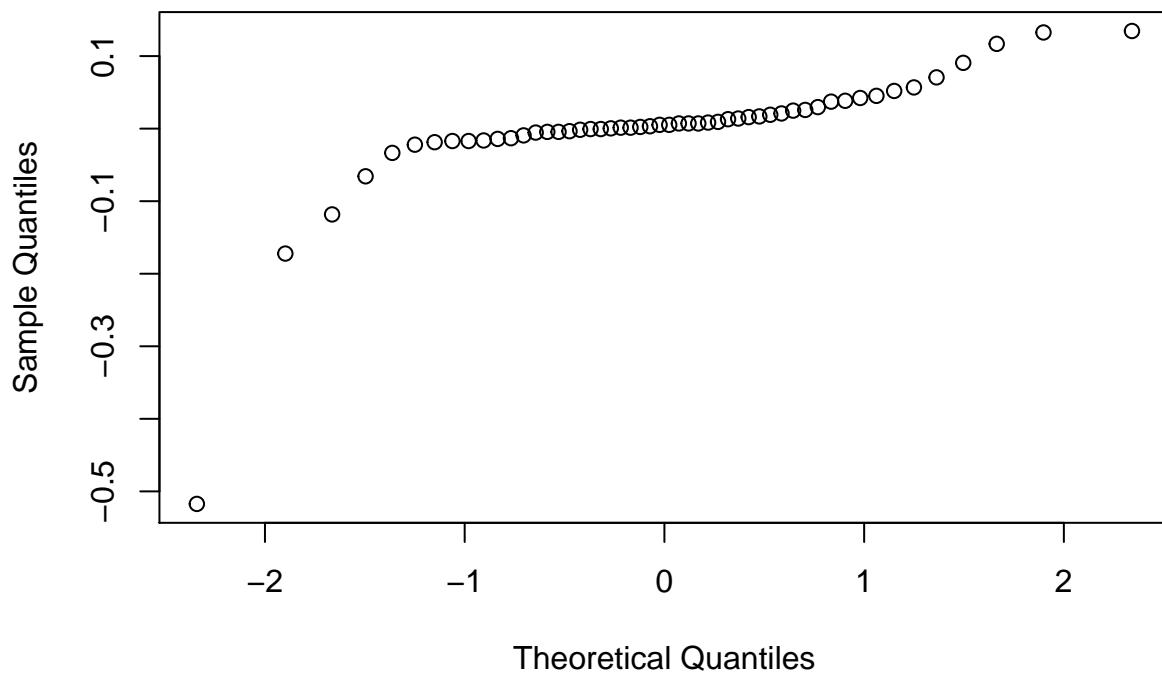
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.num.fireruns  
Plot of SbPFOAorigEthnicity**



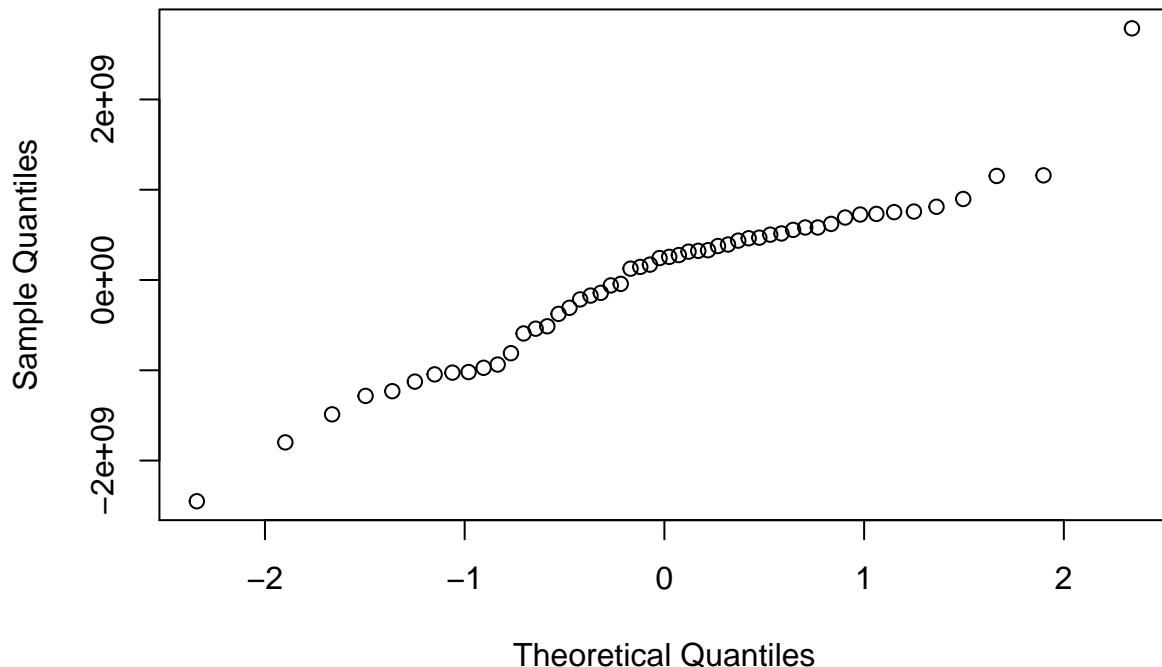
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.num.fireruns  
Plot of SmPFOStransEthnicity**



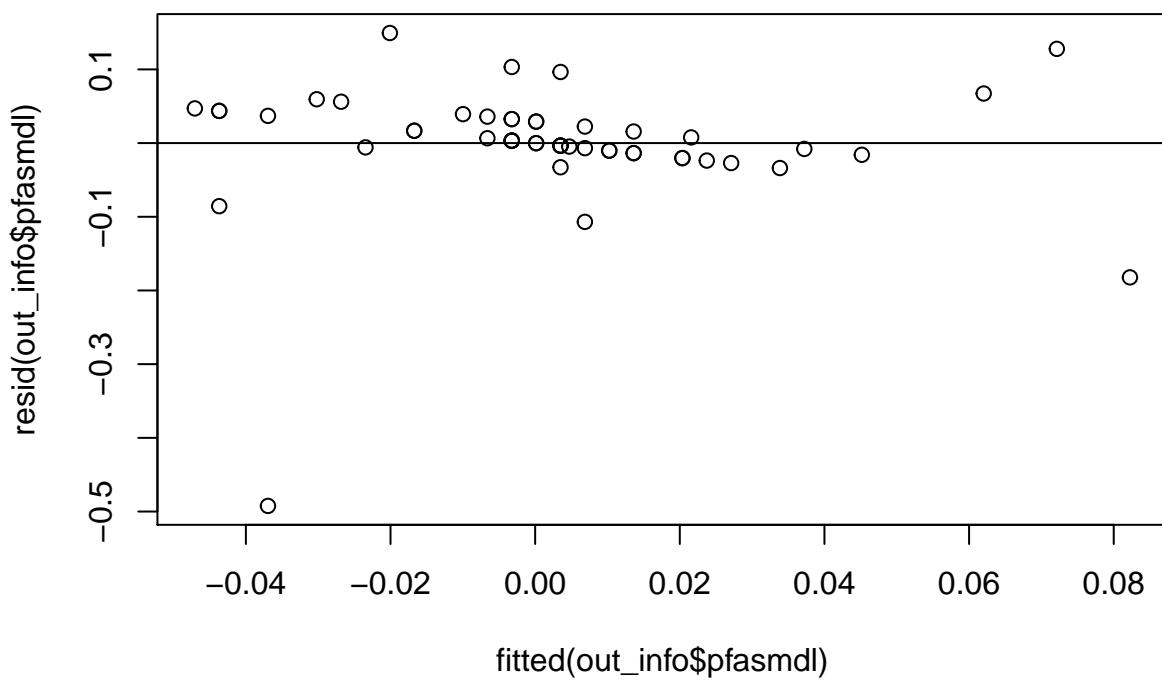
**Normal Q-Q Plot**



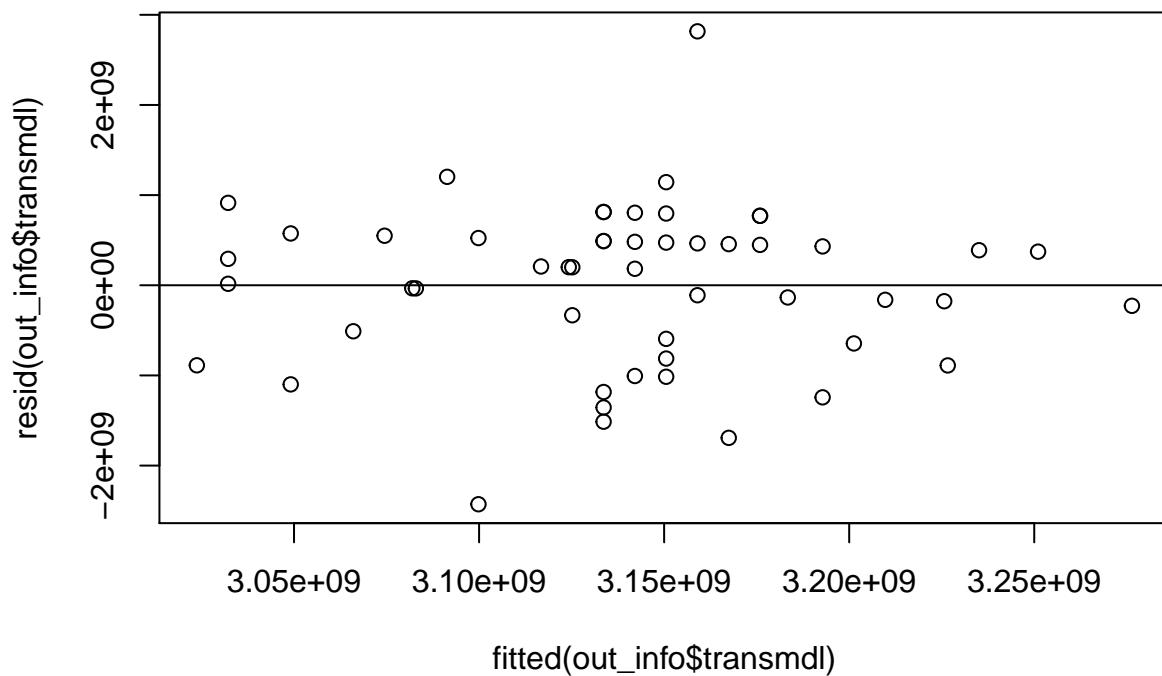
### Normal Q-Q Plot



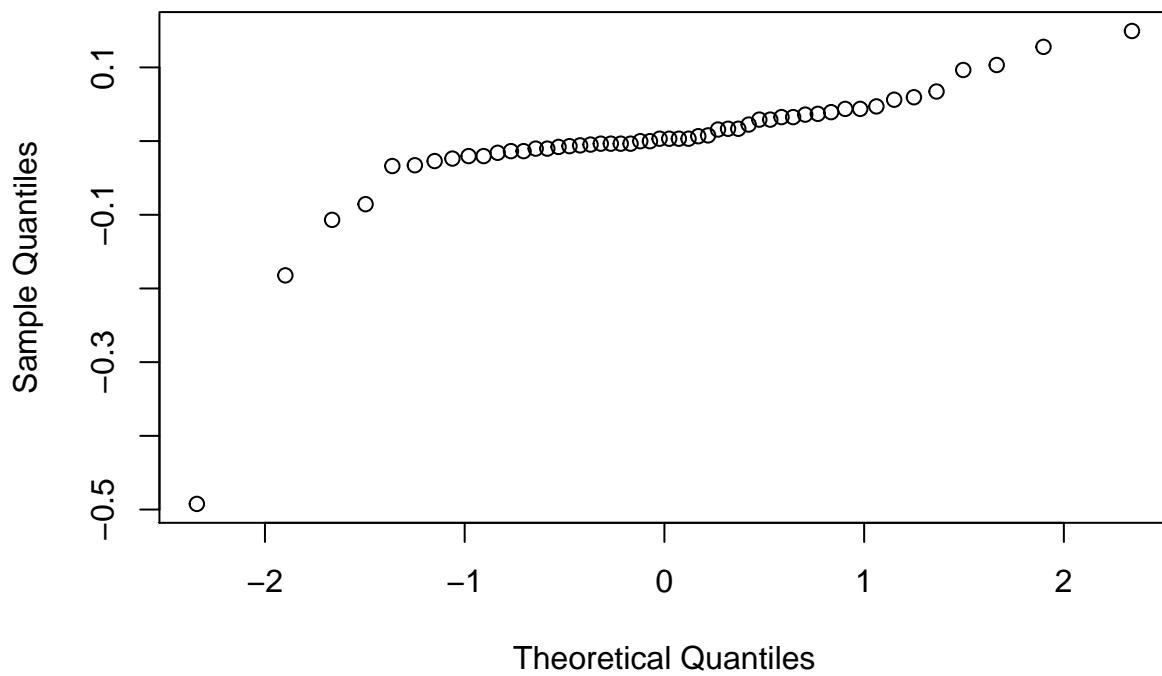
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.num.fireruns  
Plot of SbPFOAorigEthnicity**



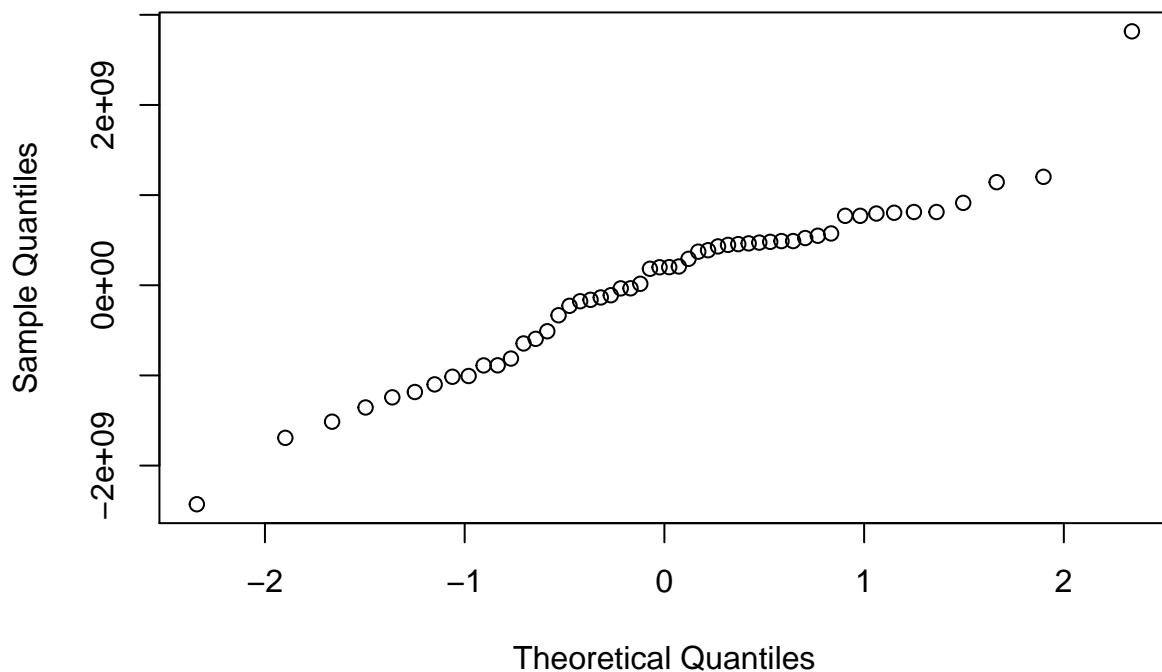
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



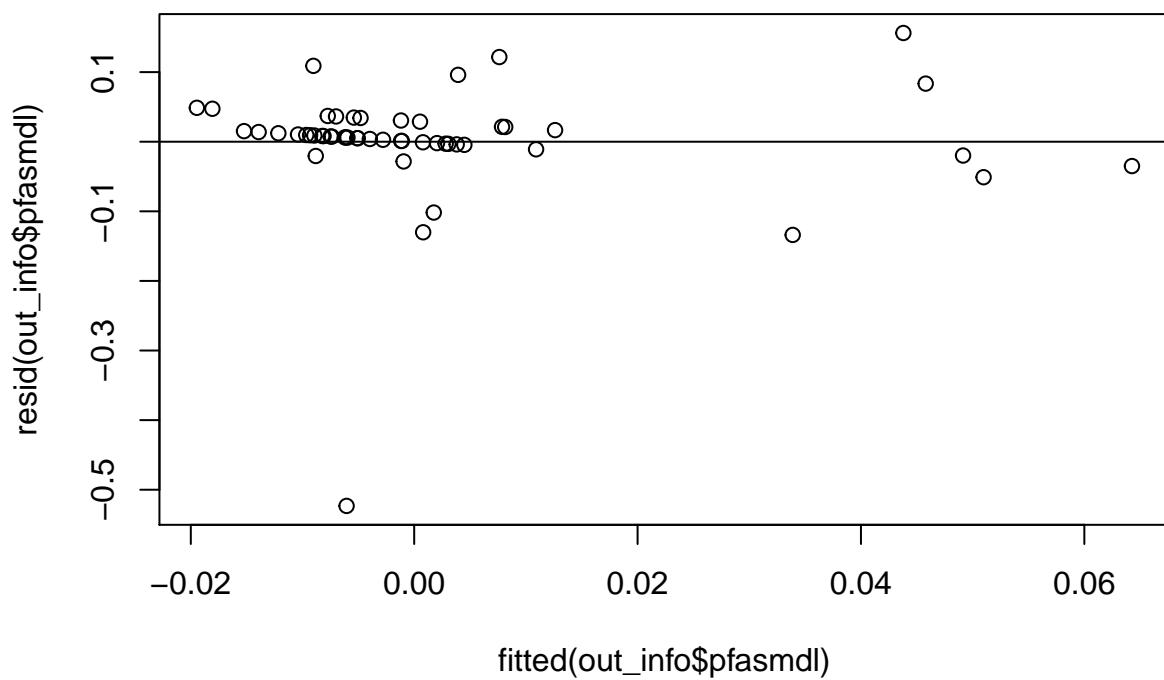
**Normal Q-Q Plot**



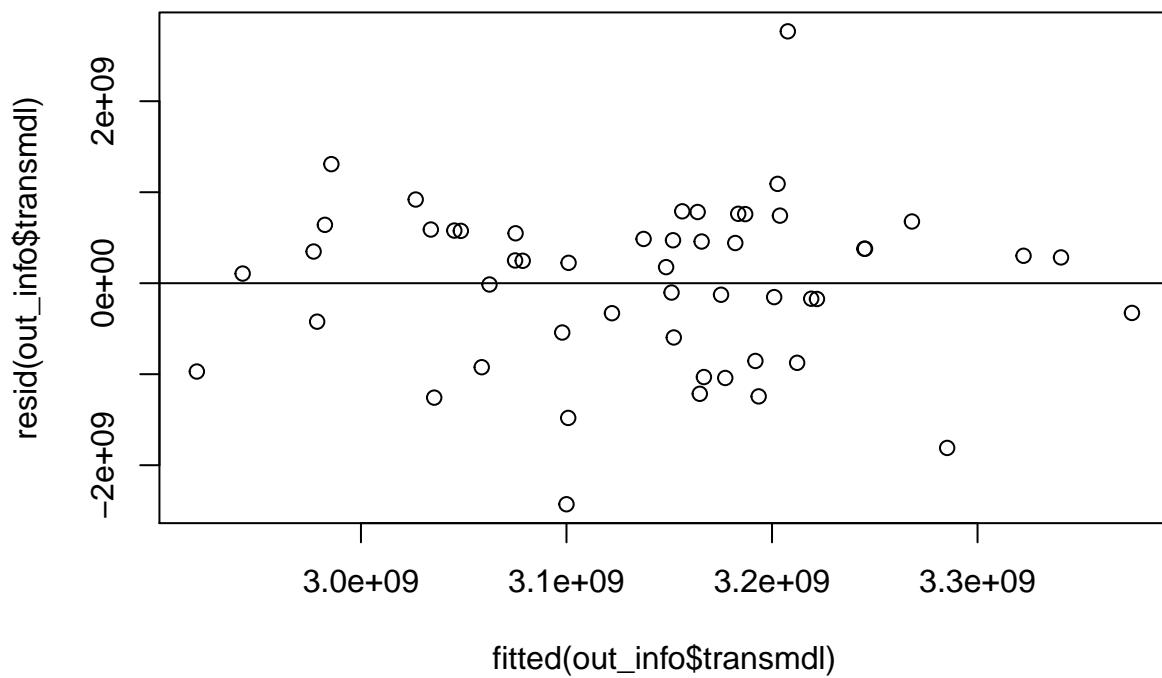
### Normal Q-Q Plot



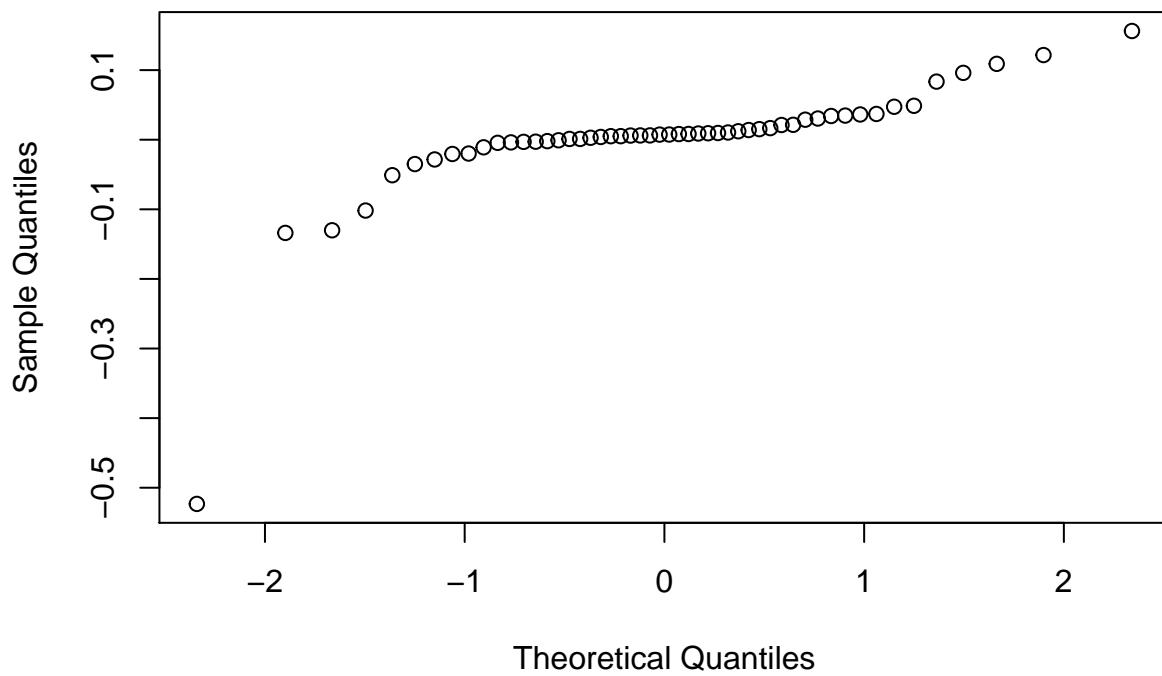
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtotal.duration.hrs  
Plot of SbPFOAorigEthnicity**



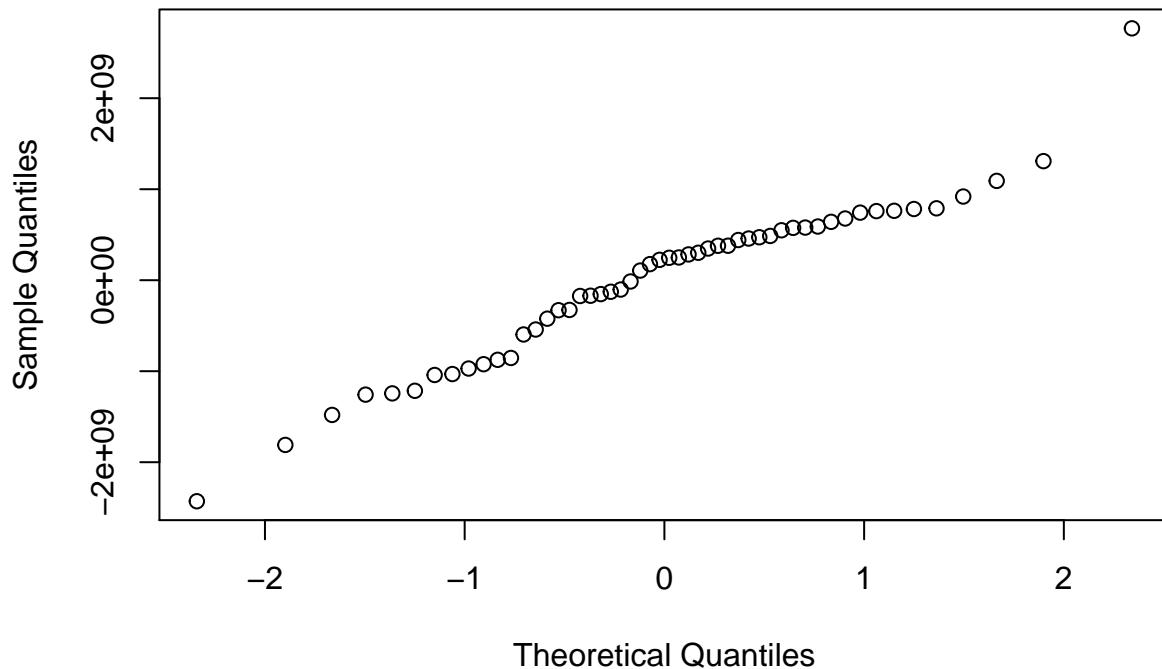
**Plot of SmPFOStrans+  
Plot of SmPFOStran\$total.duration.hrs  
Plot of SmPFOStransEthnicity**



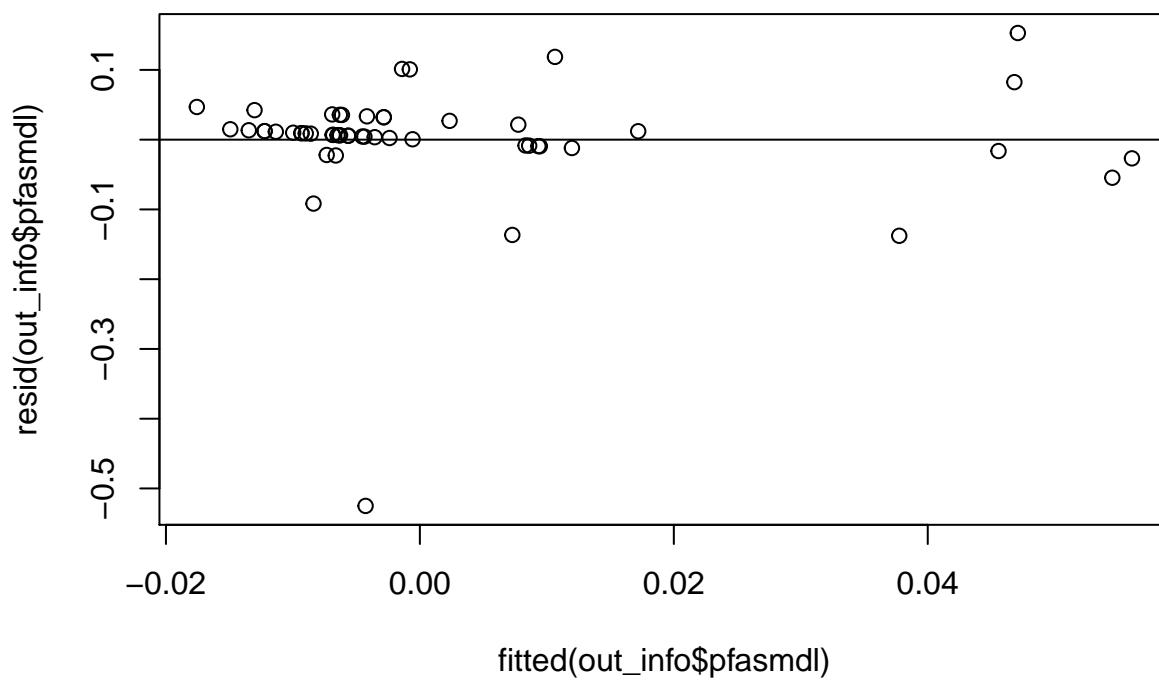
**Normal Q-Q Plot**



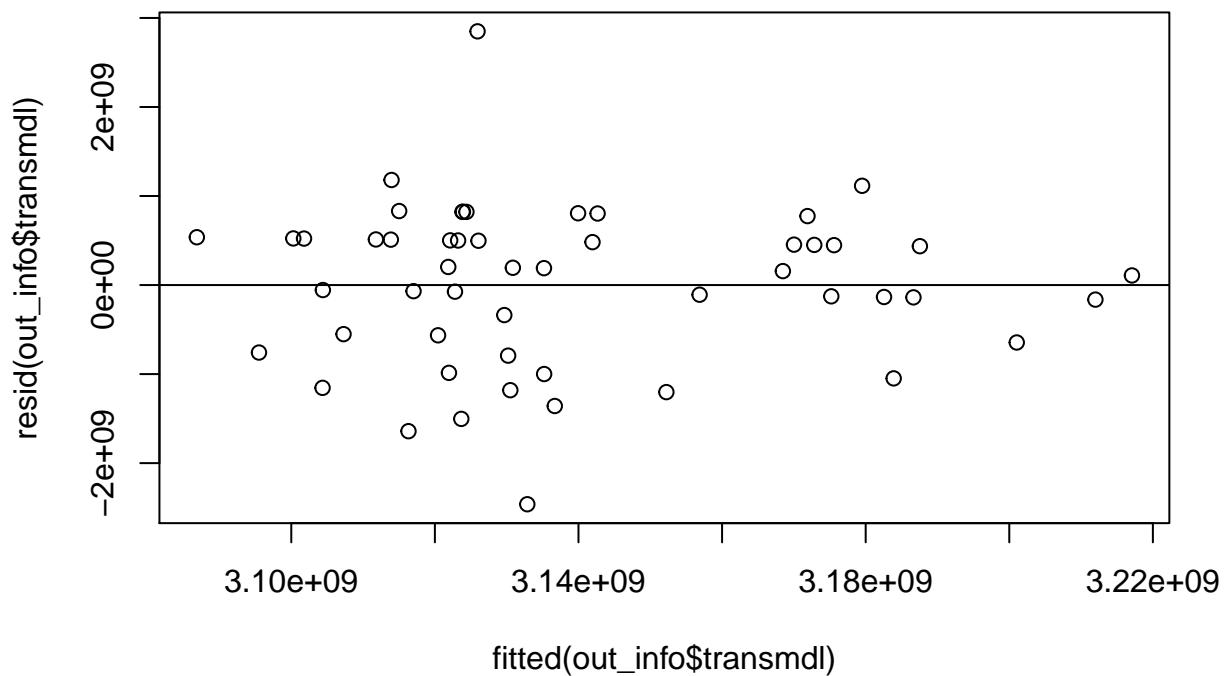
### Normal Q-Q Plot



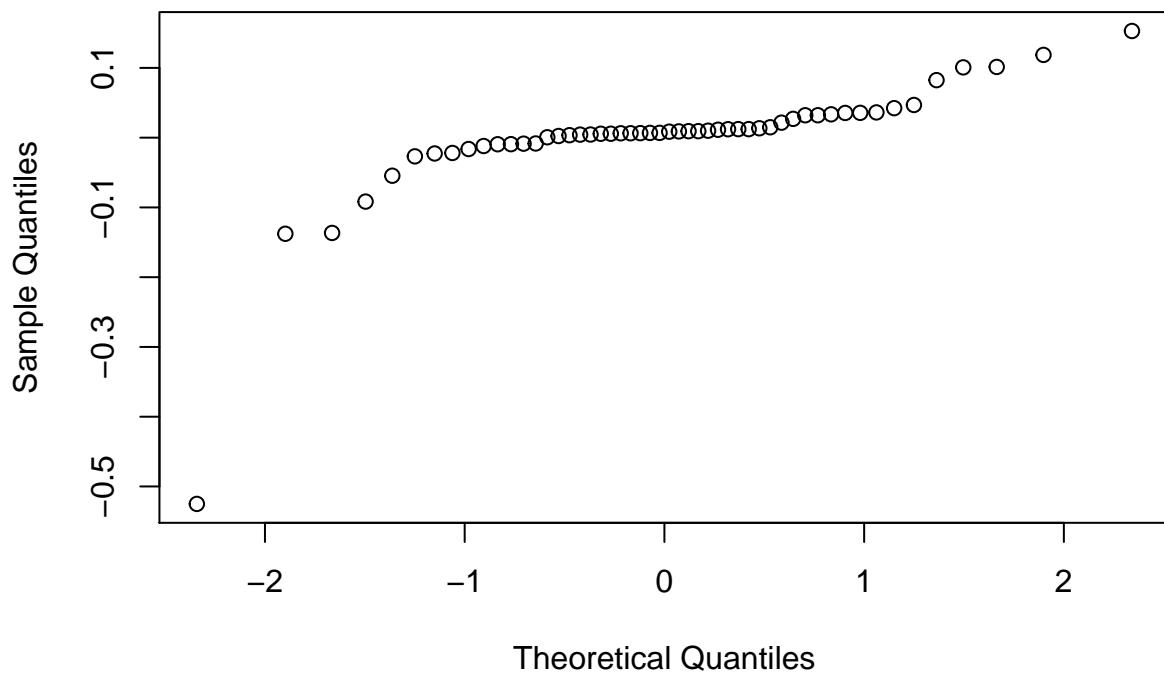
**Plot of SbPFOAorig+  
Plot of SbPFOAorigstr.duration.hrs  
Plot of SbPFOAorigEthnicity**



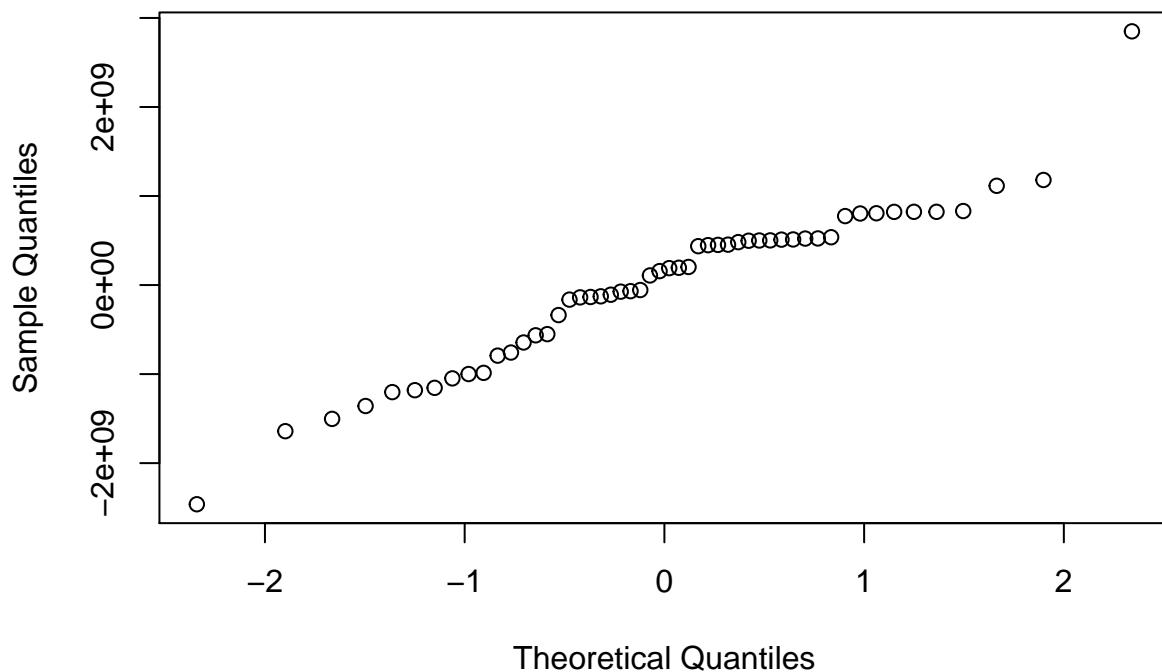
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



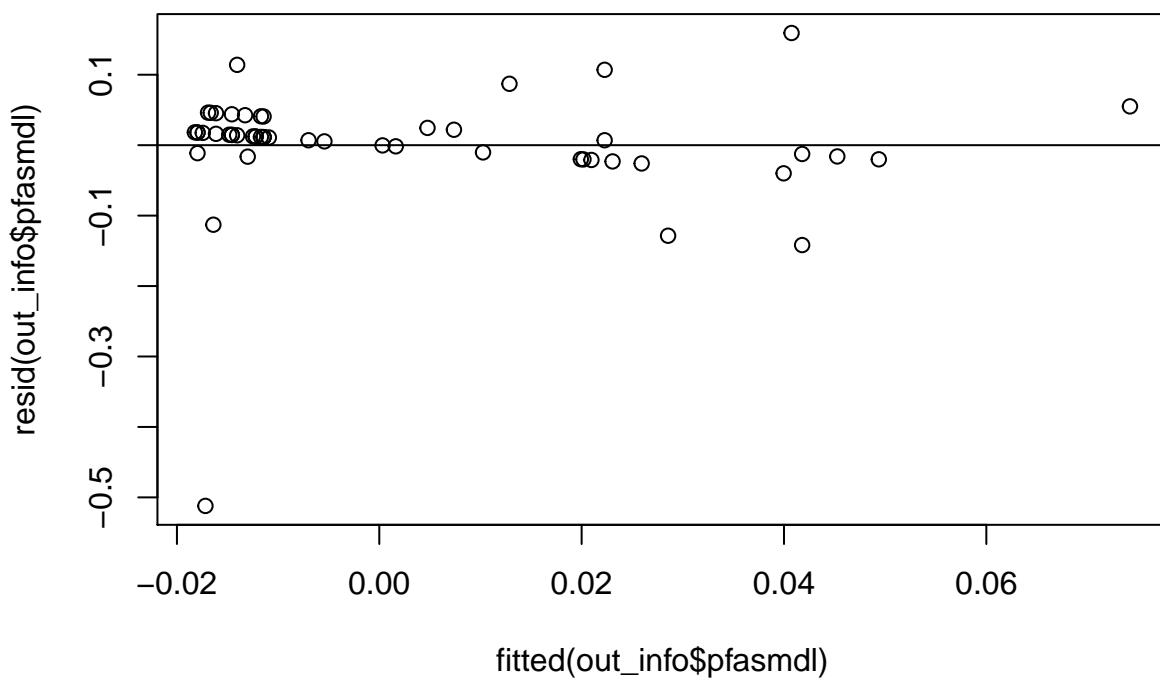
**Normal Q-Q Plot**



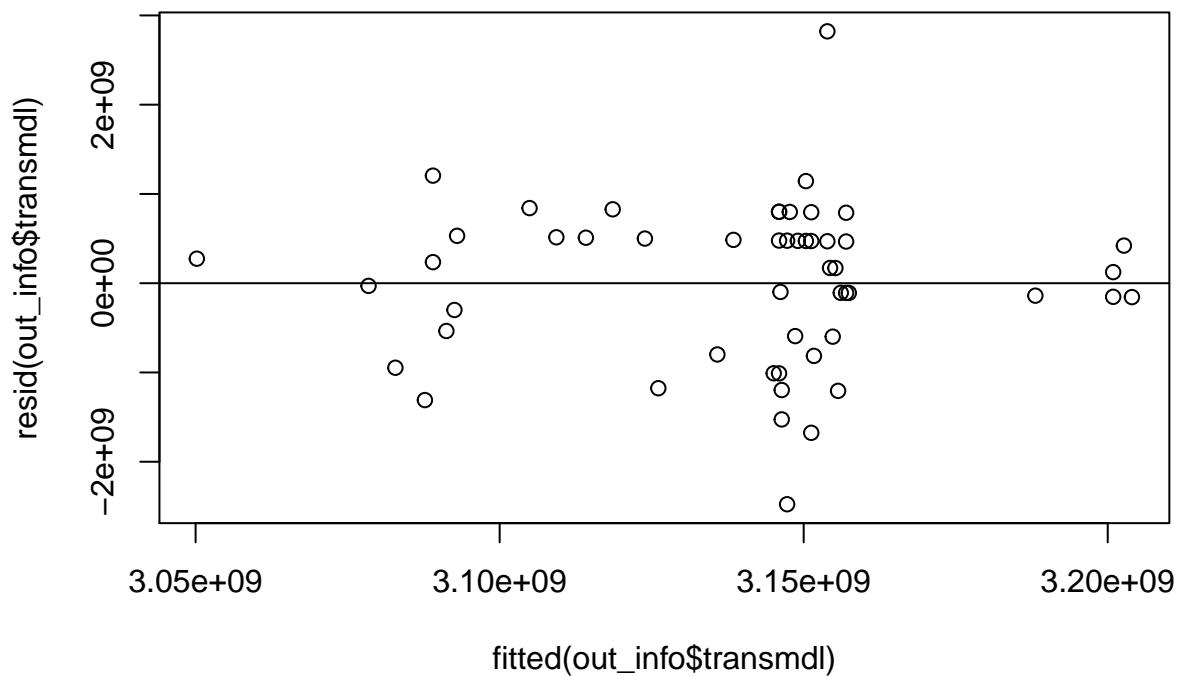
### Normal Q-Q Plot



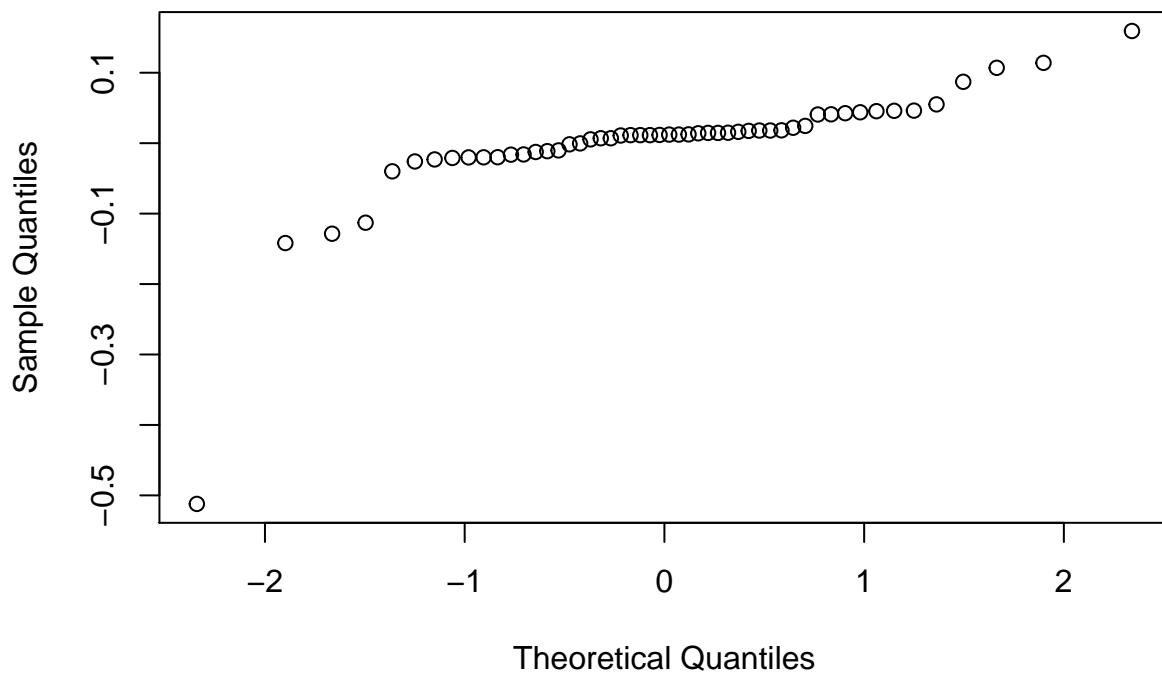
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigdays.since.MRF**  
**Plot of SbPFOAorigEthnicity**



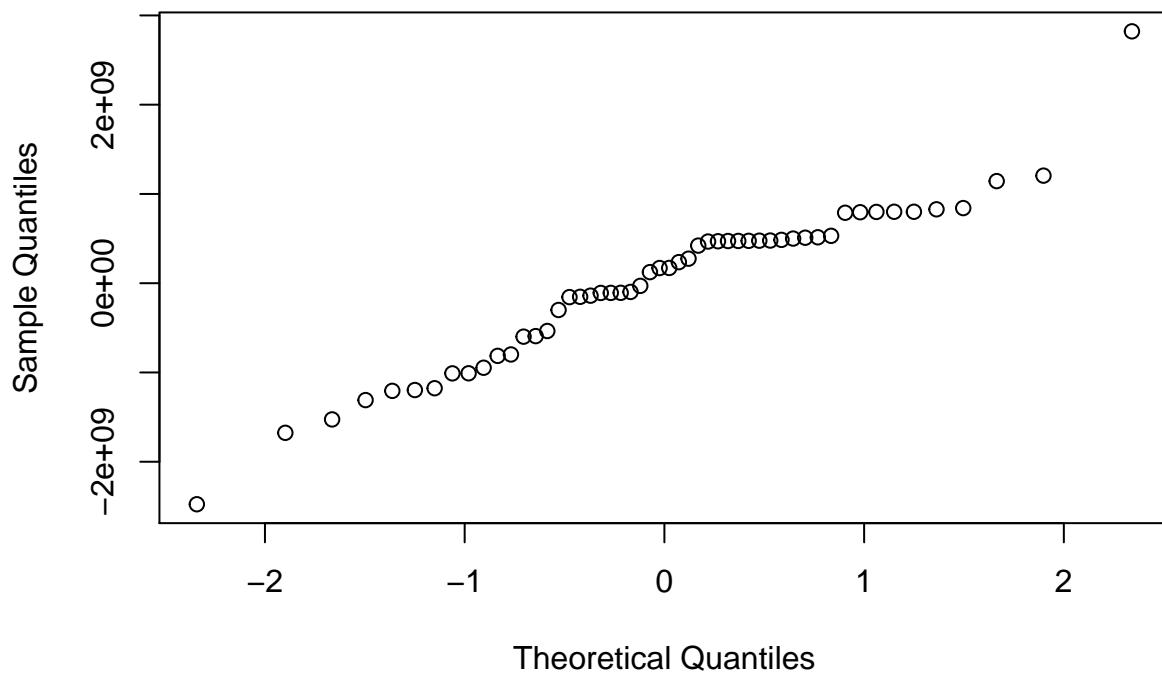
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**



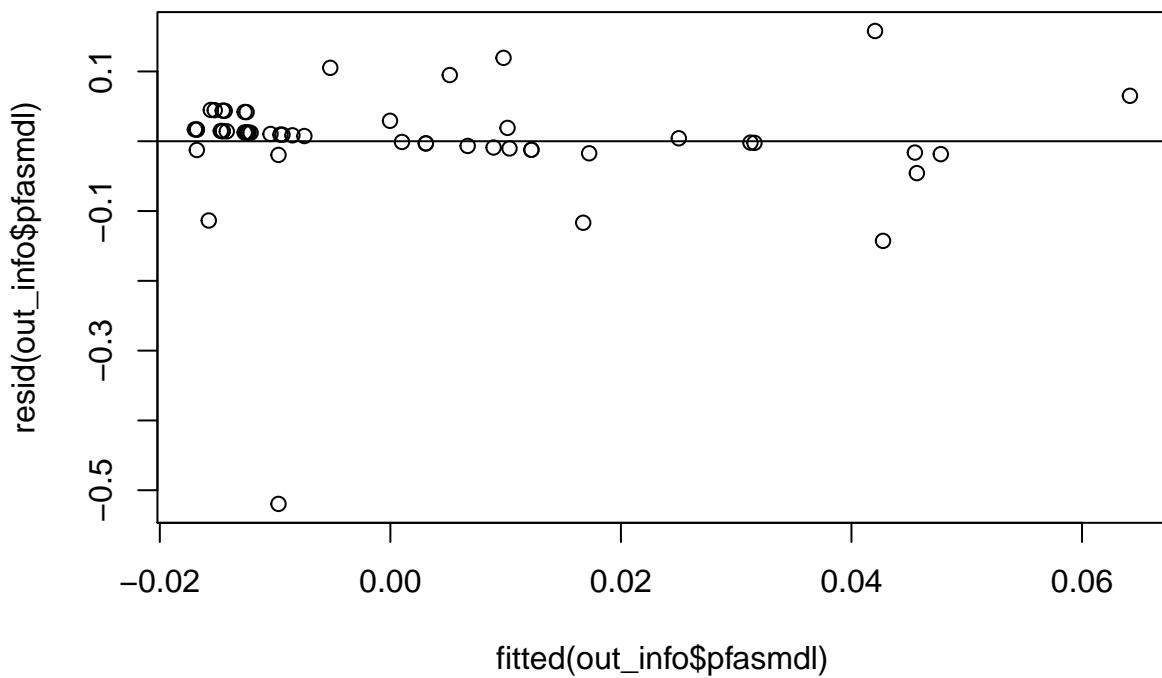
**Normal Q-Q Plot**



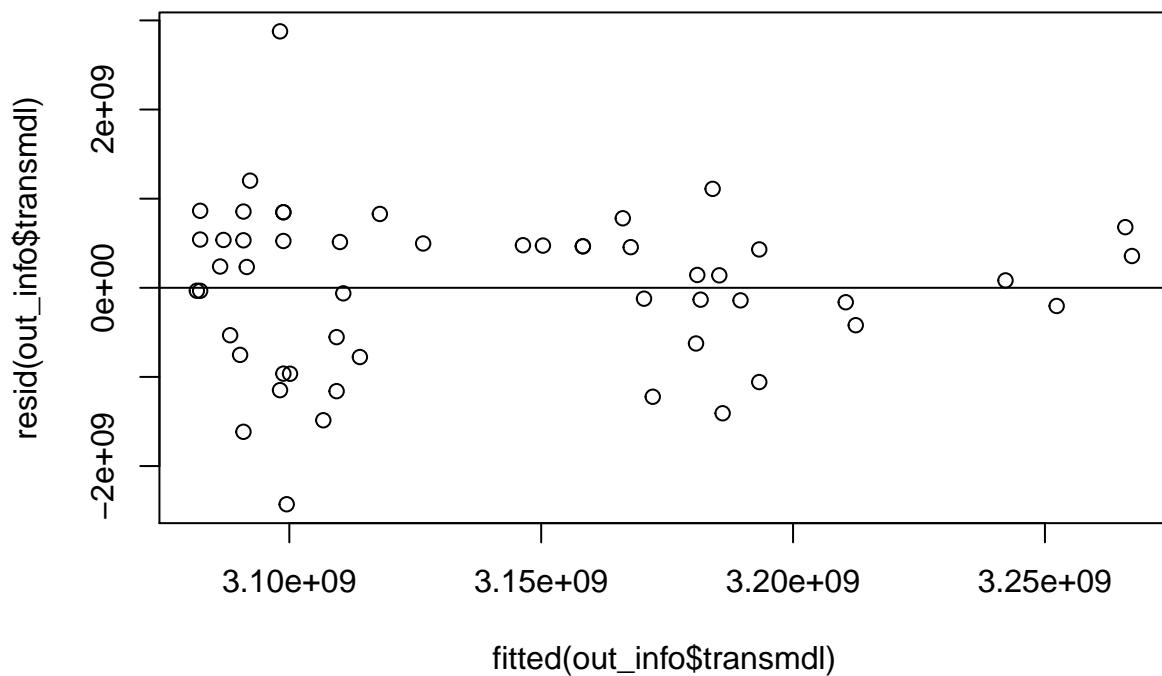
### Normal Q-Q Plot



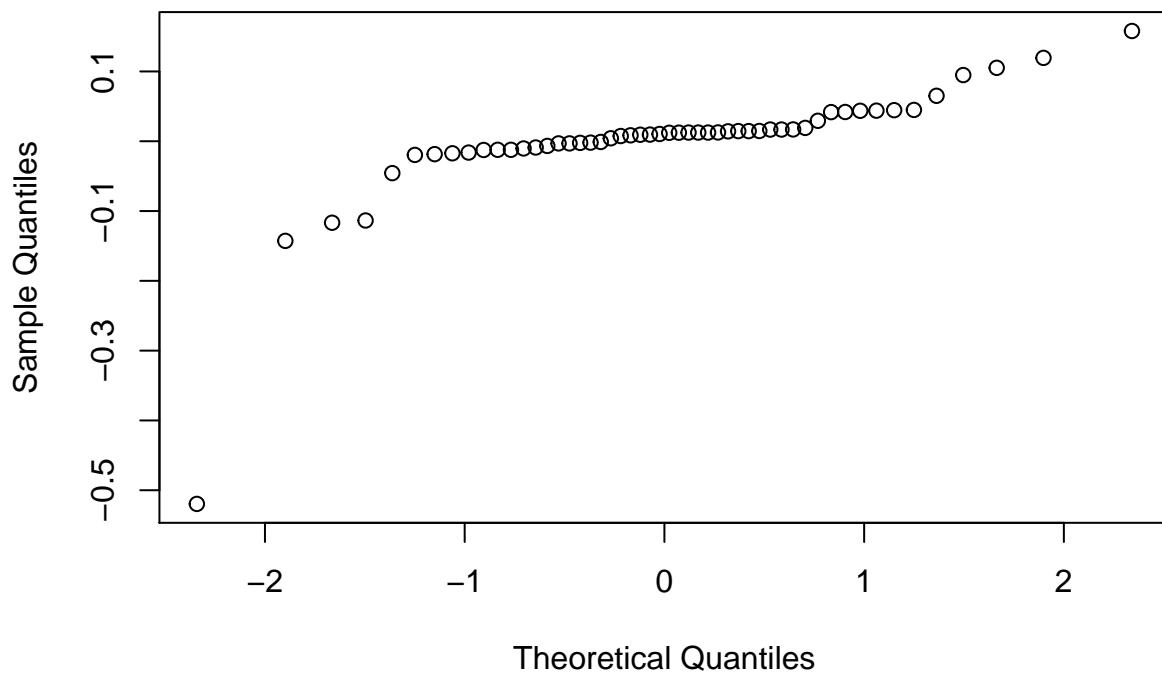
**Plot of SbPFOAorig+**  
**Plot of SbPFOAorigdays.since.struc.MRF**  
**Plot of SbPFOAorigEthnicity**



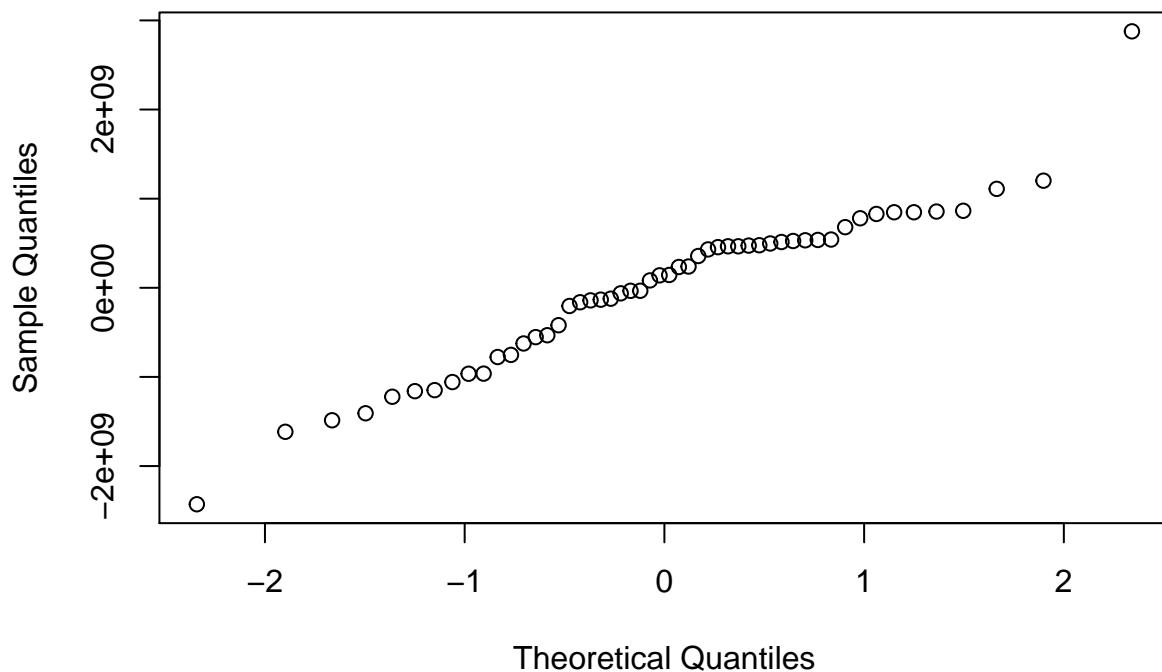
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



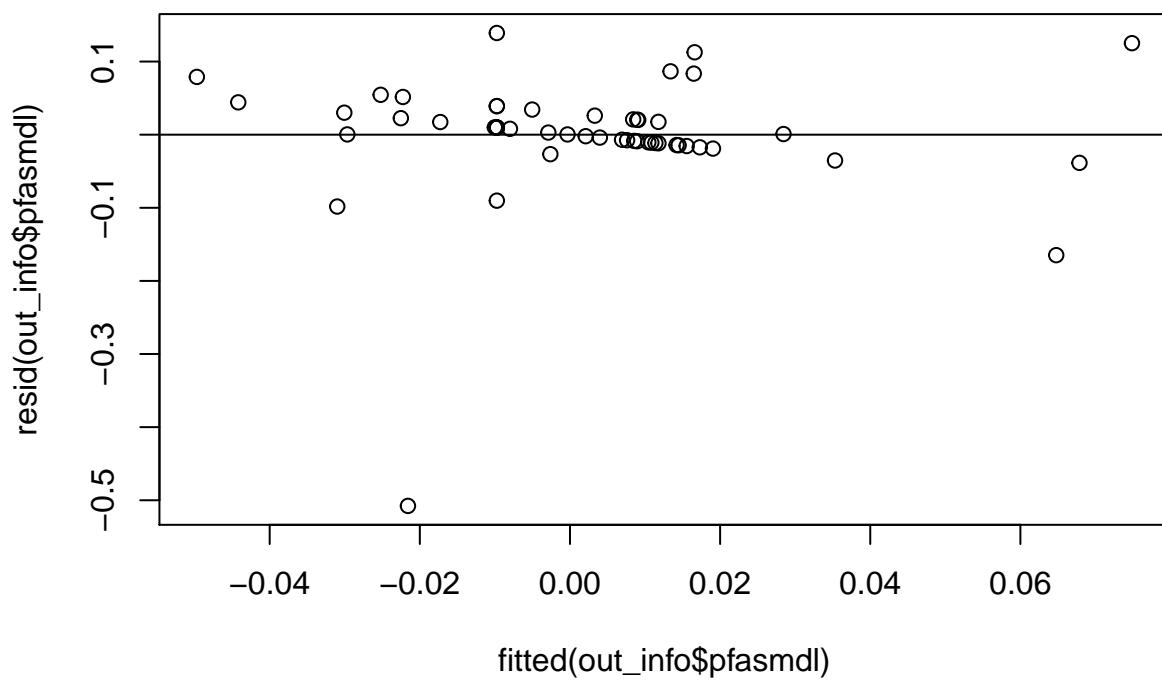
**Normal Q-Q Plot**



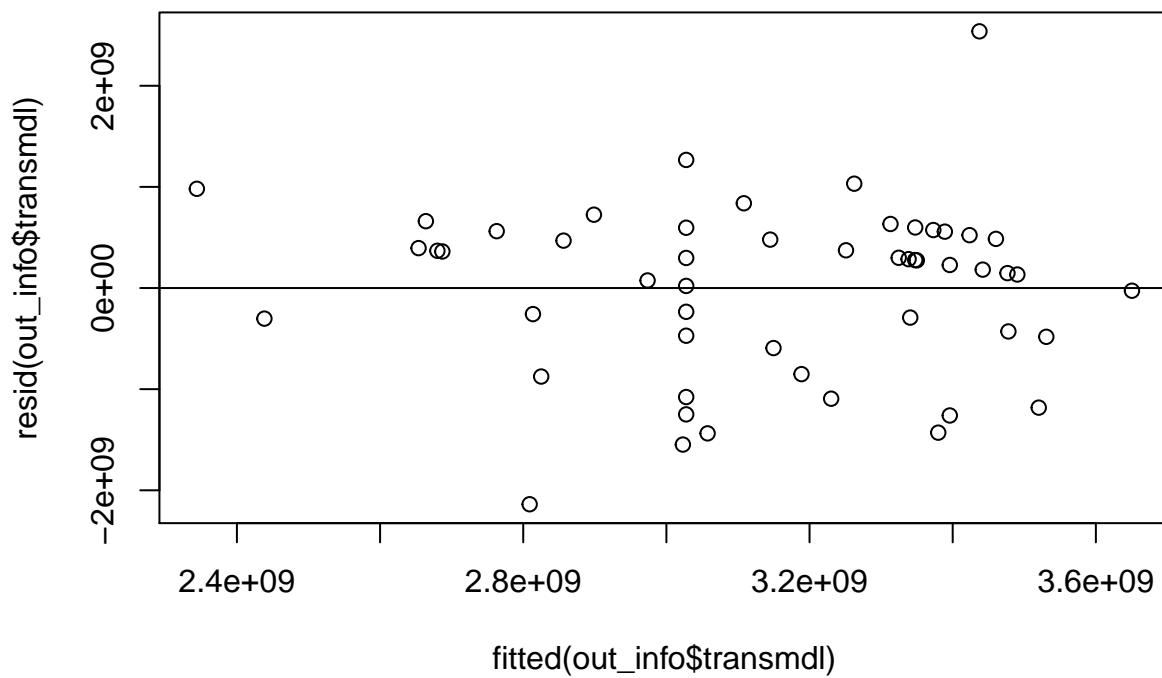
### Normal Q-Q Plot



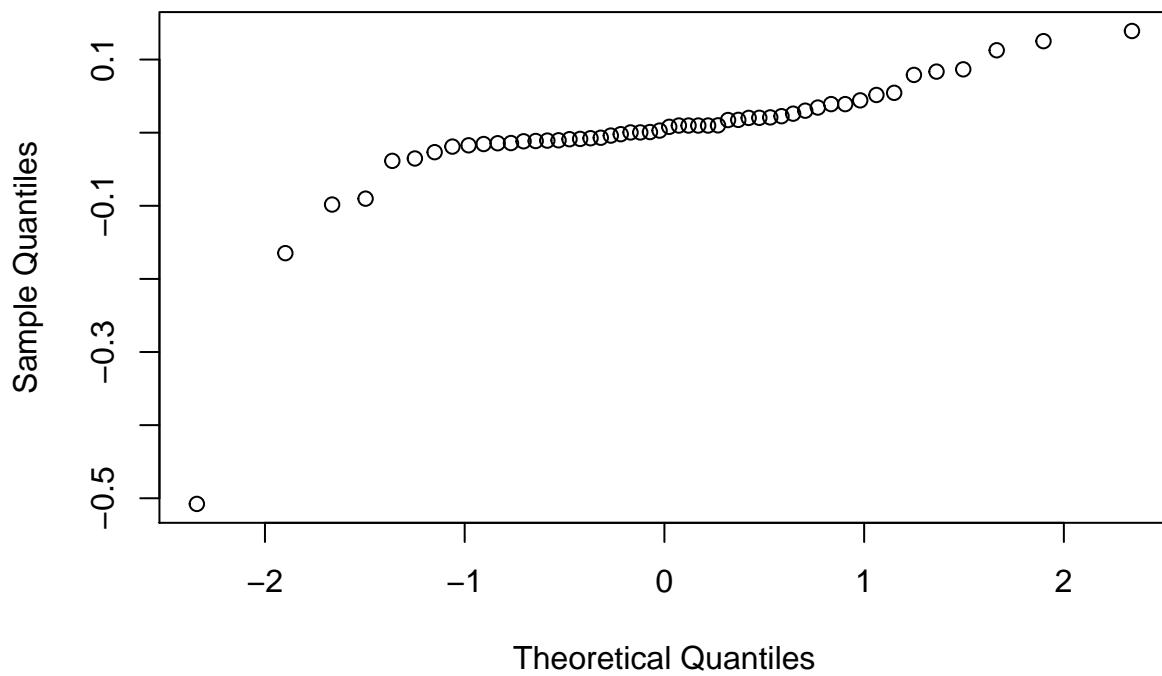
**Plot of SbPFOAorig+  
Plot of SbPFOAorigtime.since.baseline  
Plot of SbPFOAorigEthnicity**



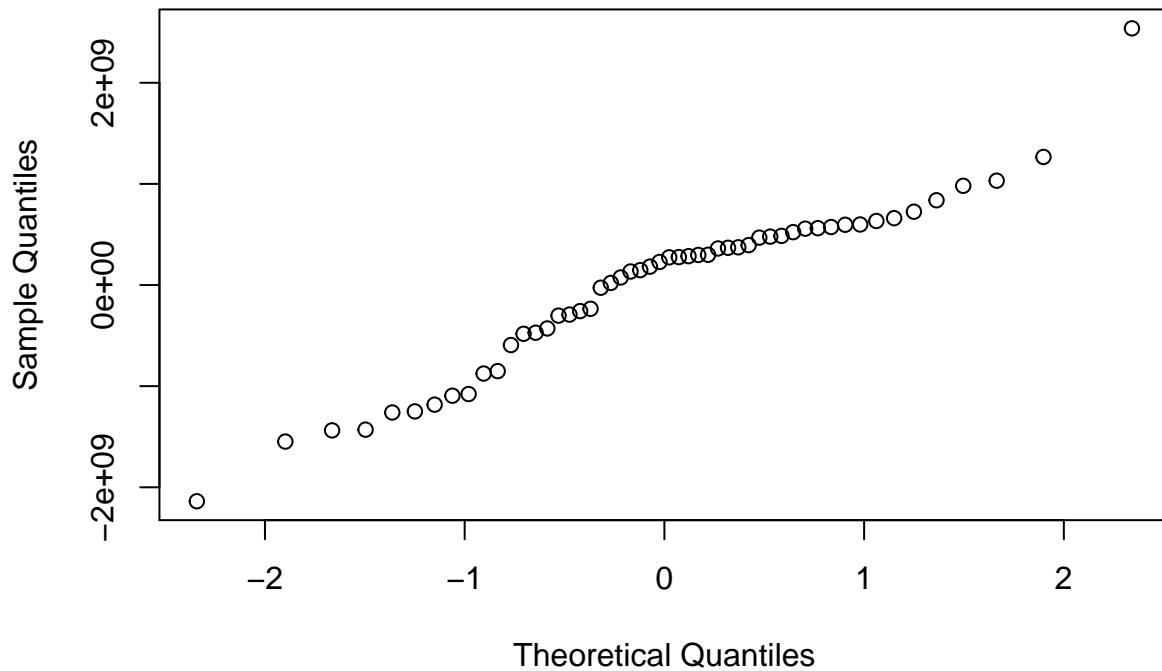
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



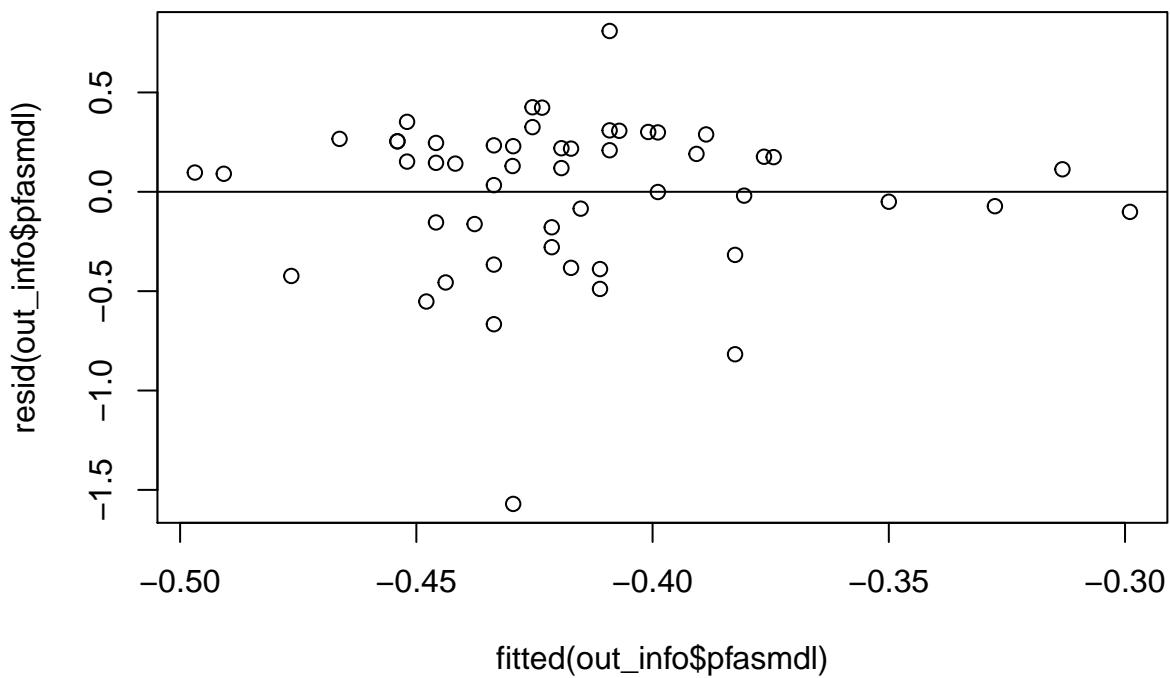
**Normal Q-Q Plot**



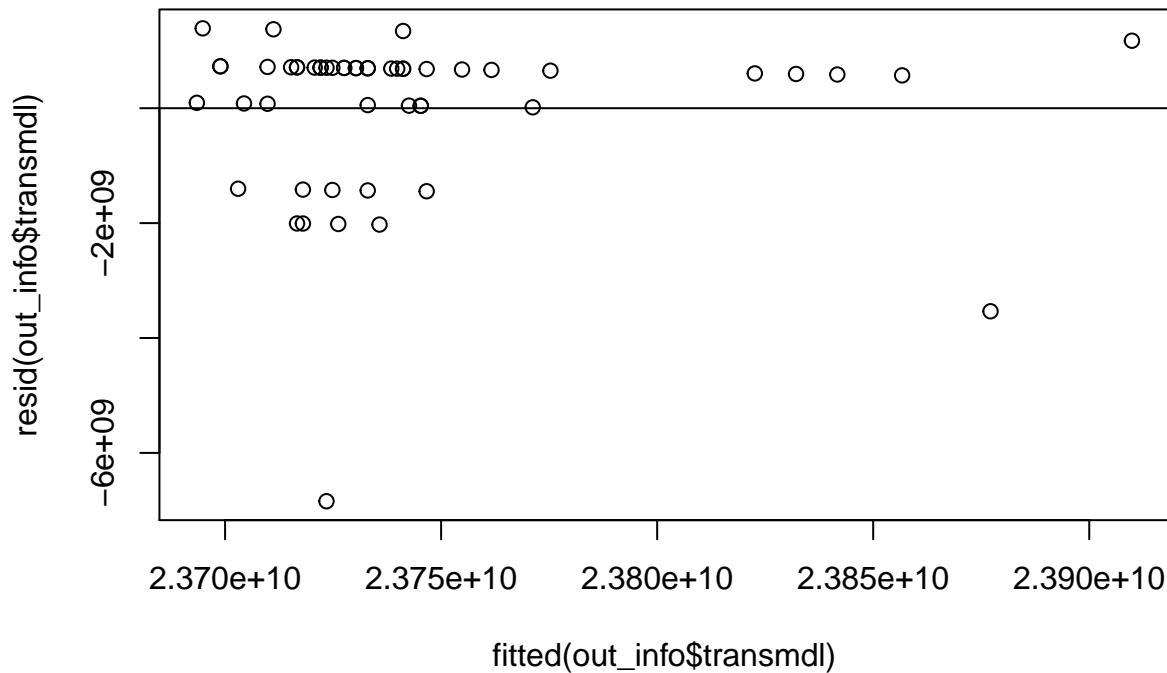
### Normal Q-Q Plot



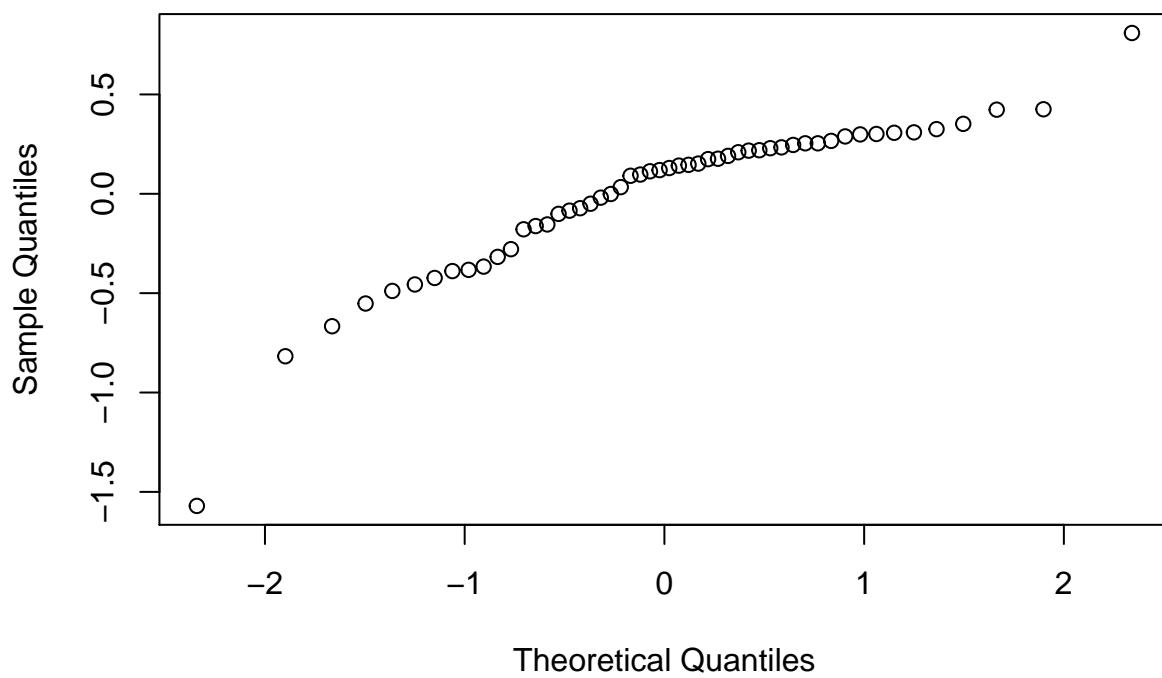
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity**



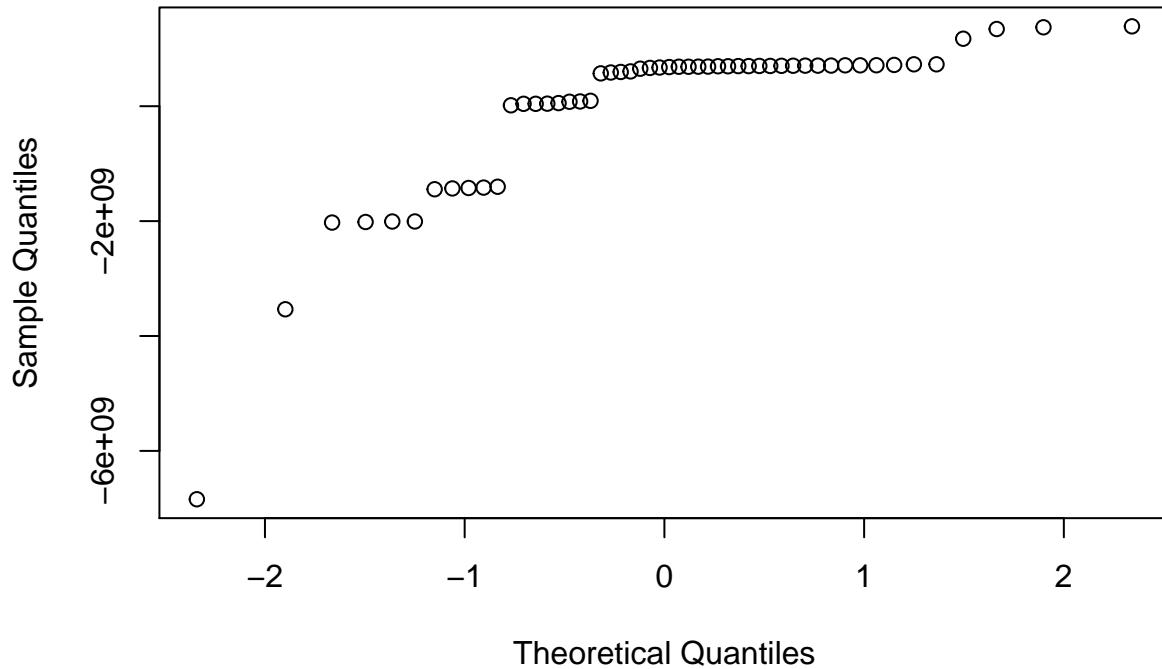
**Plot of PFOSAtrans+  
Plot of PFOSAtranstotal.num.fireruns  
Plot of PFOSAtransEthnicity**



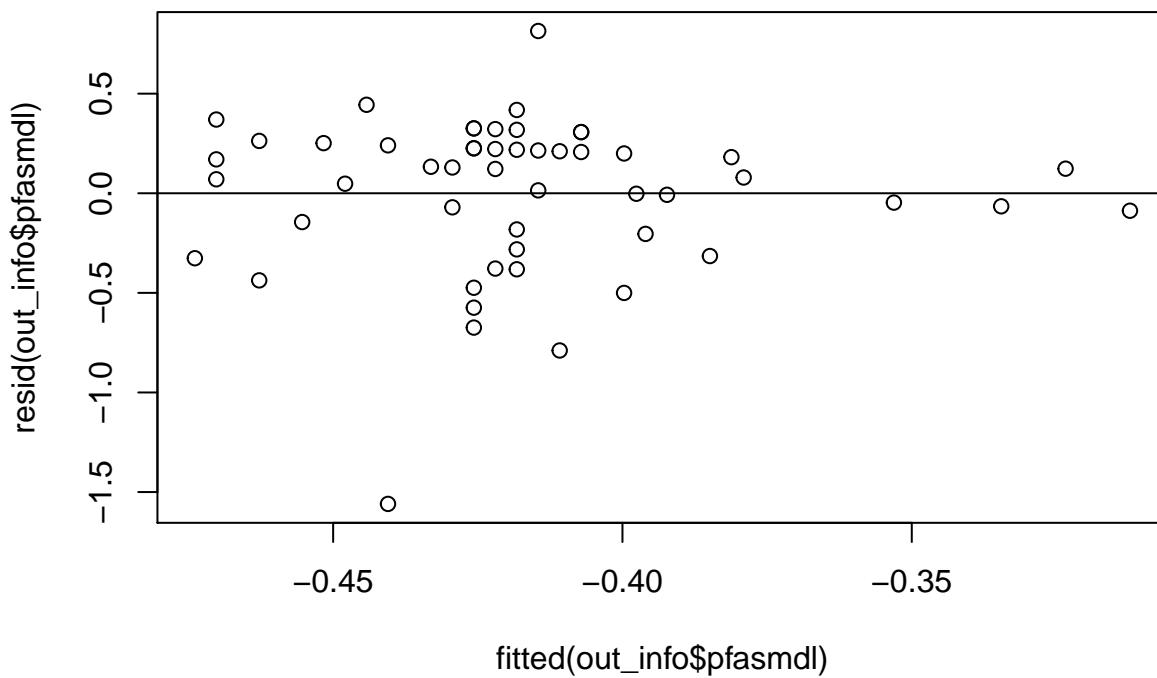
**Normal Q-Q Plot**



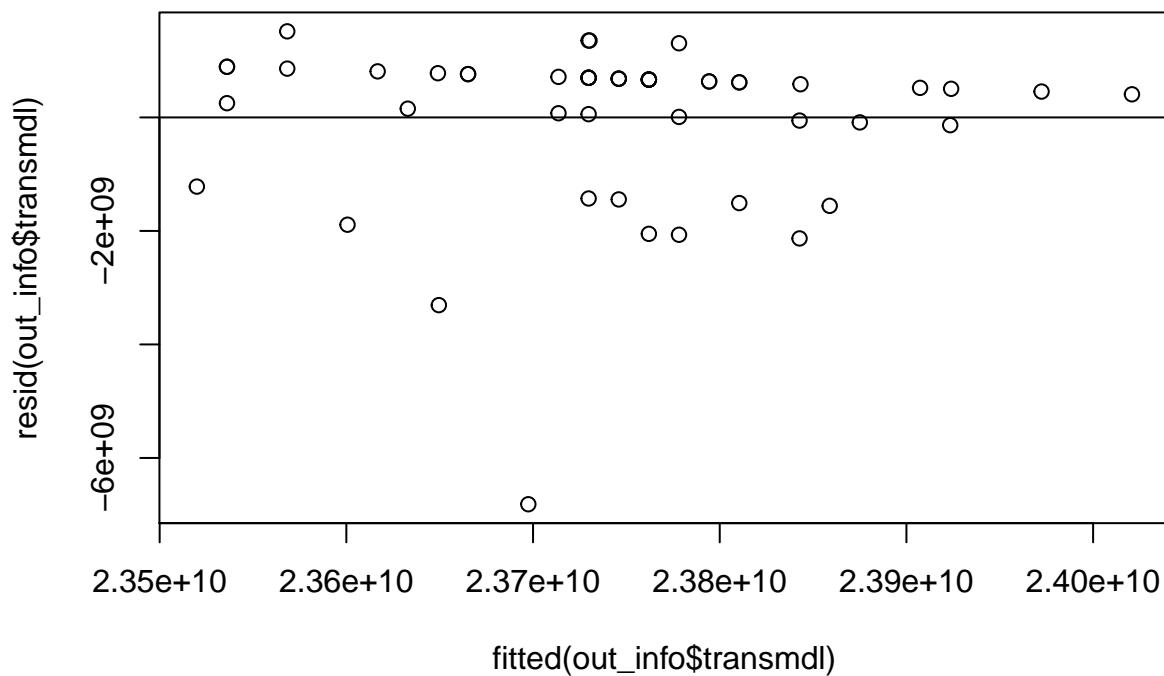
### Normal Q-Q Plot



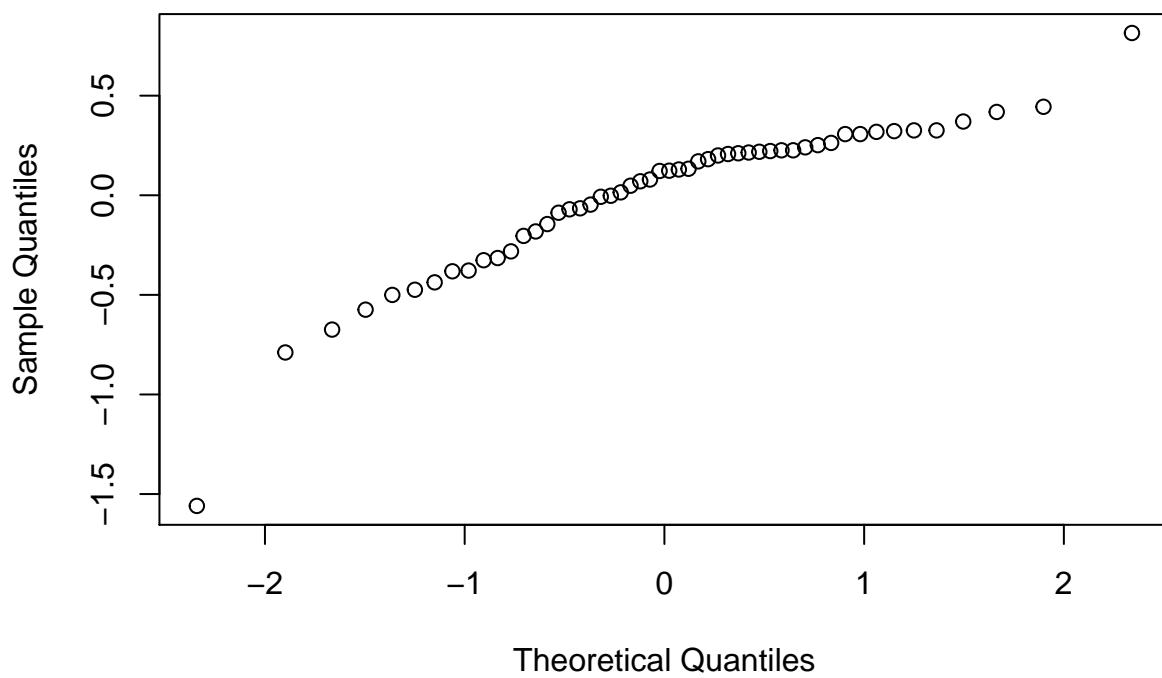
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.num.fireruns  
Plot of SmPFO\$origEthnicity



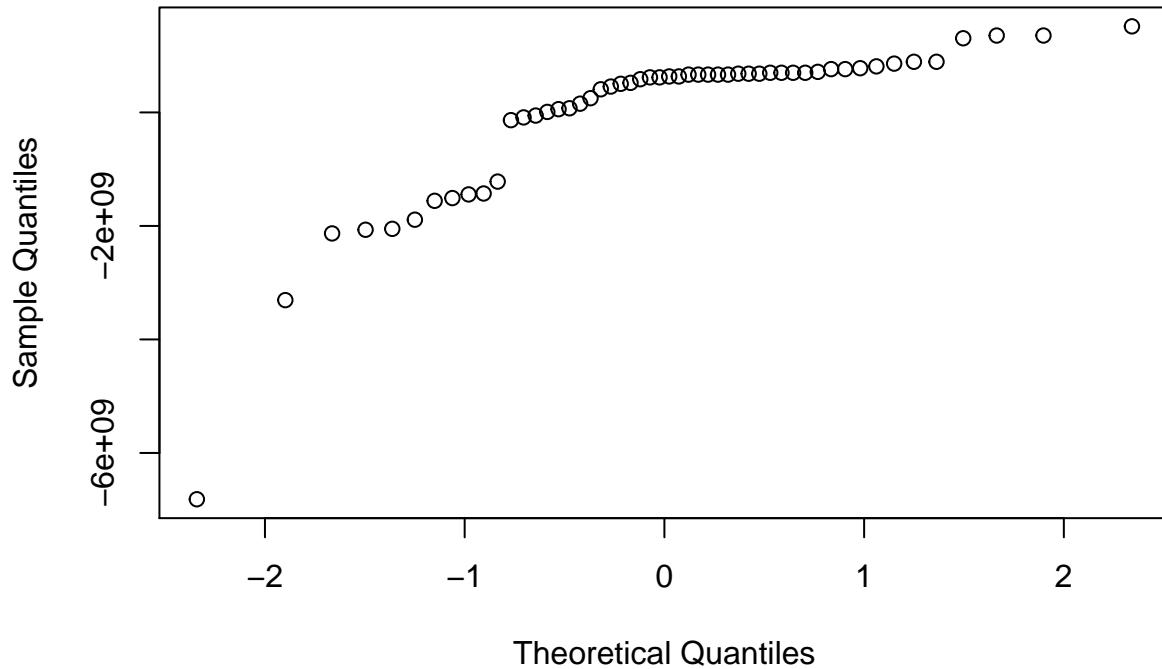
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.num.fireruns  
Plot of PFOSAtransEthnicity**



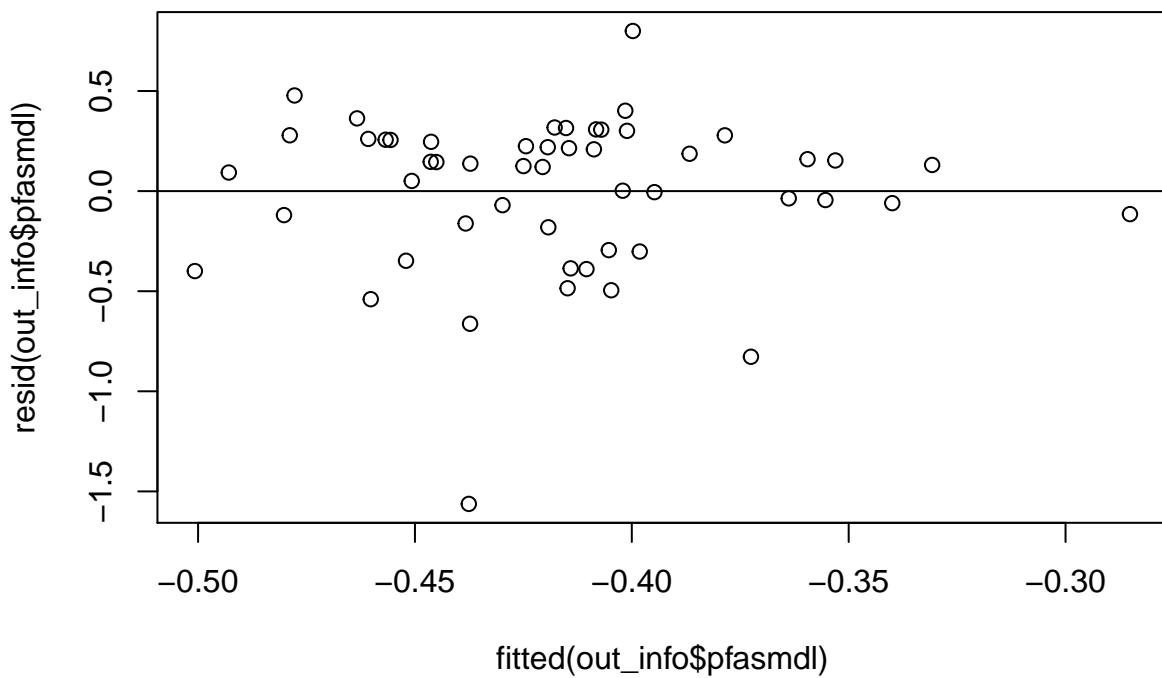
**Normal Q-Q Plot**



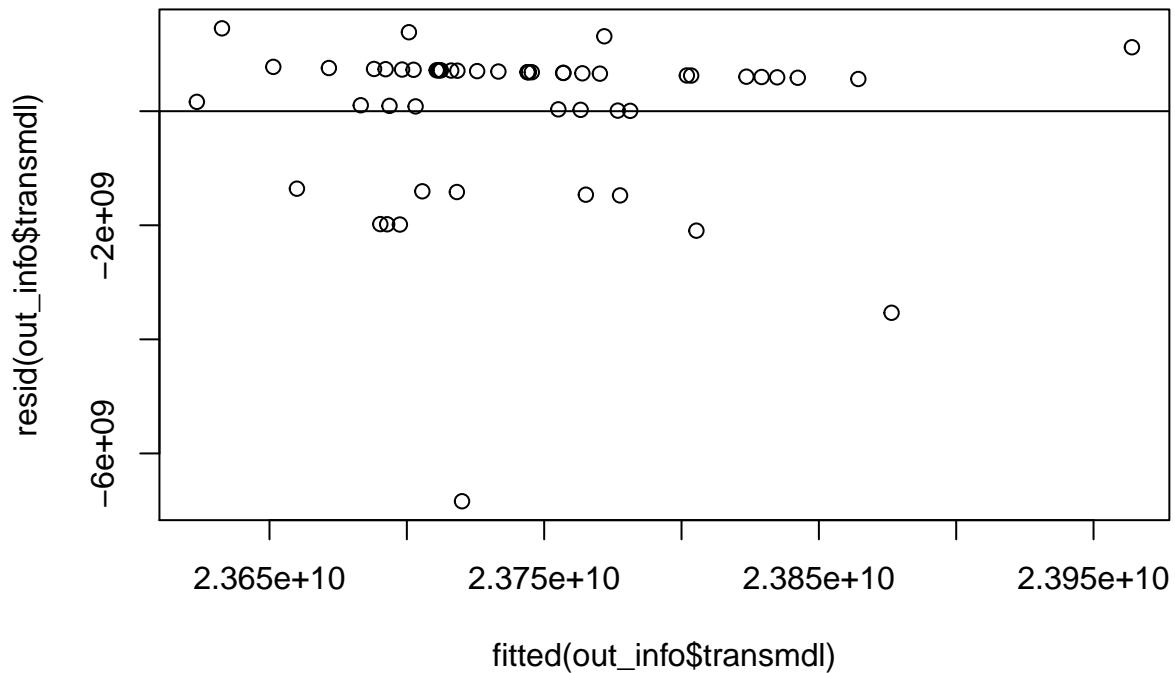
### Normal Q-Q Plot



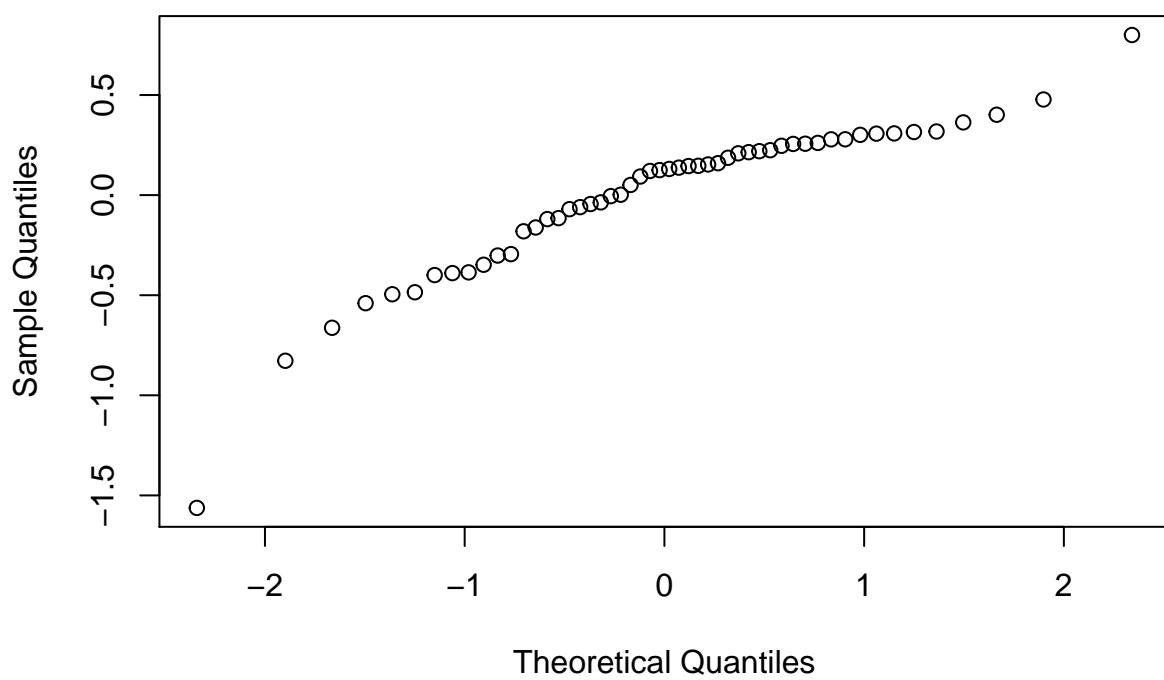
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.duration.hrs  
Plot of SmPFO\$orig\$Ethnicity**



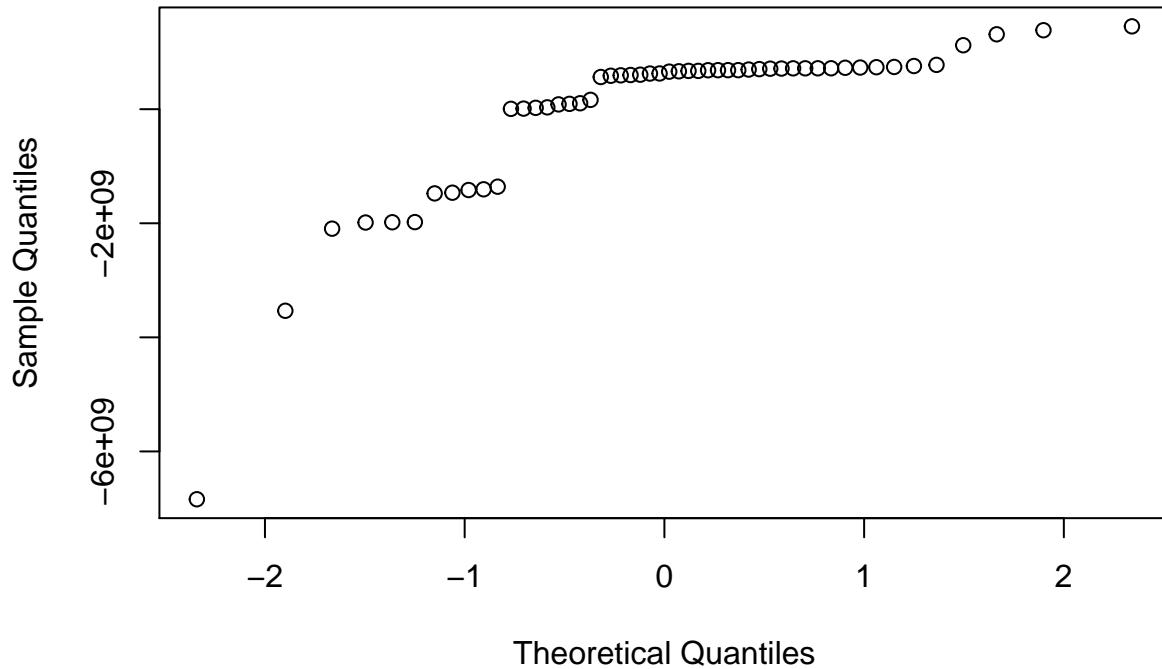
**Plot of PFOSAtrans+  
Plot of PFOSAtran\$total.duration.hrs  
Plot of PFOSAtrans\$Ethnicity**



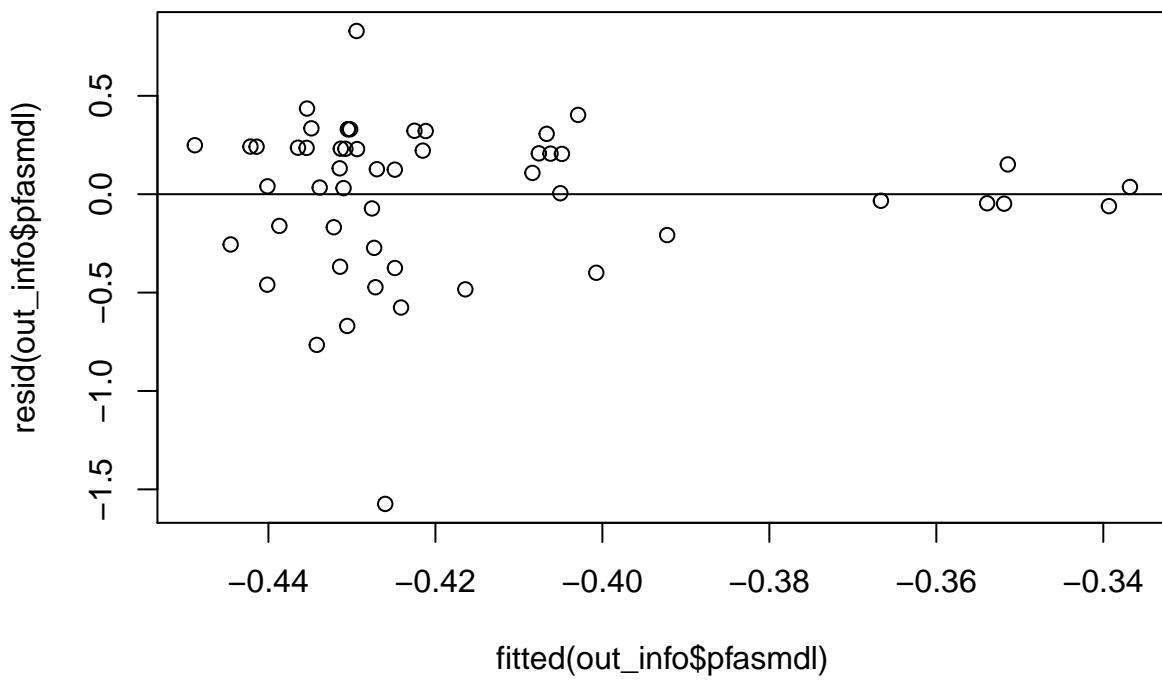
**Normal Q-Q Plot**



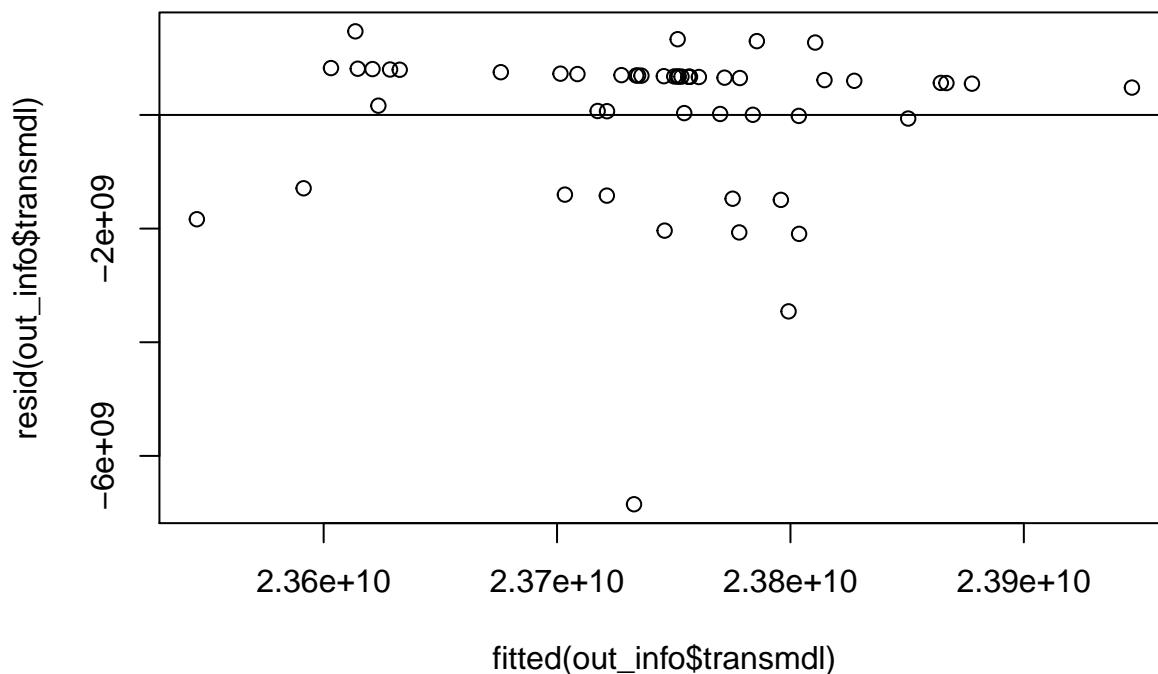
### Normal Q-Q Plot



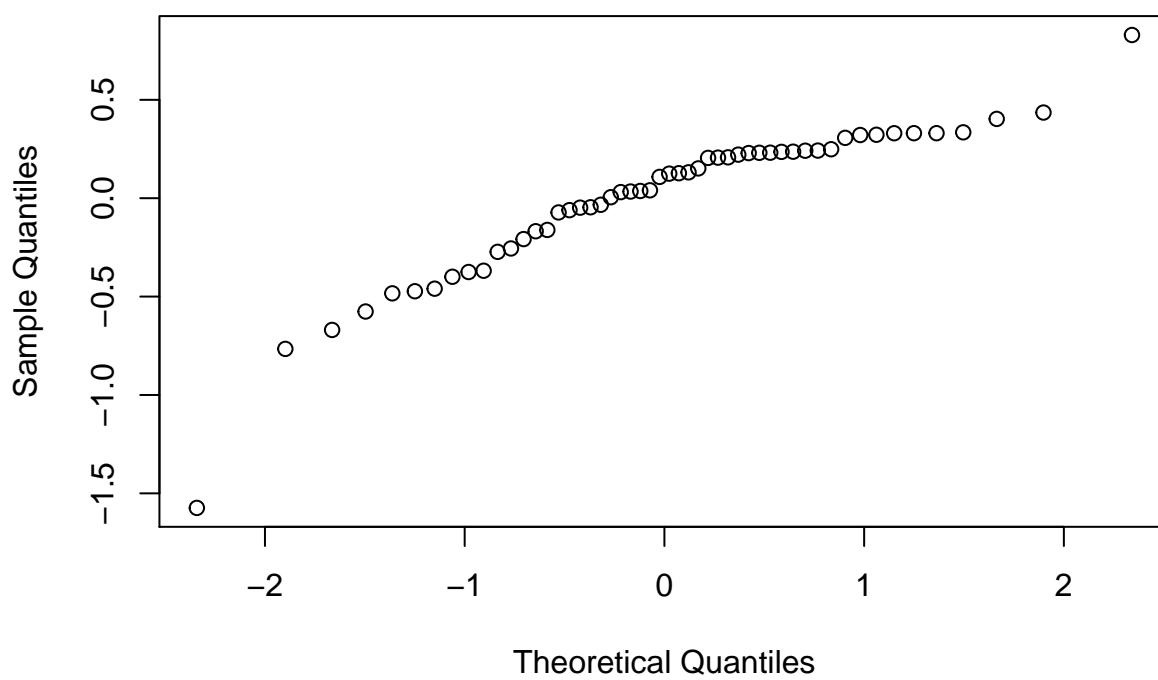
**Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.duration.hrs  
Plot of SmPFO\$origEthnicity**



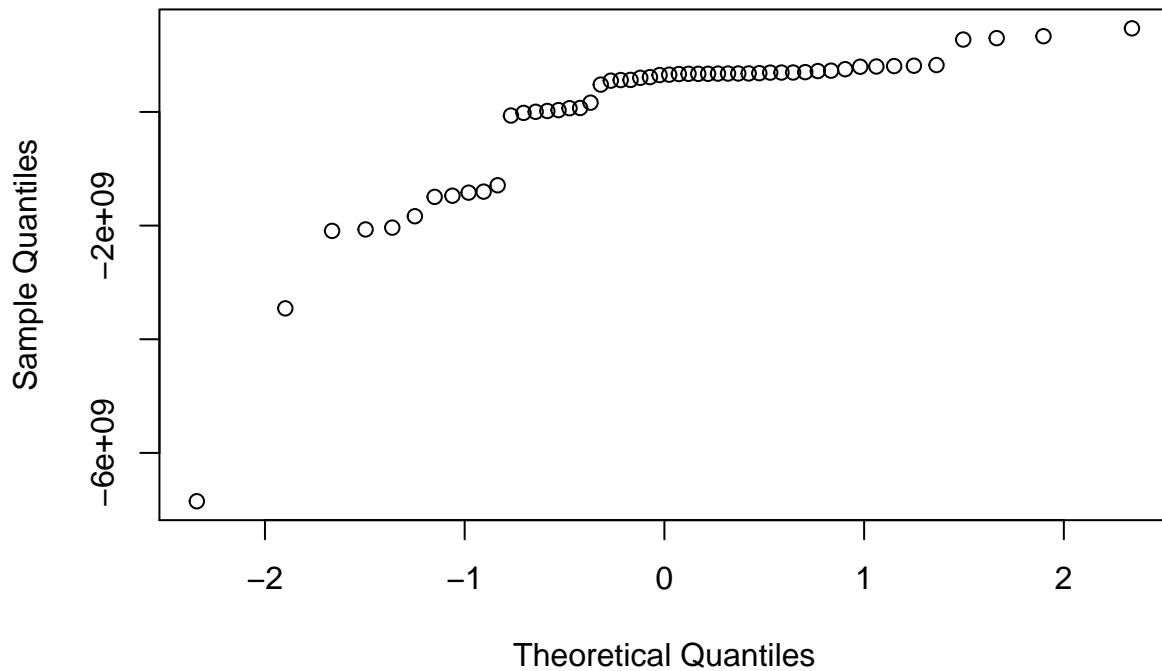
**Plot of PFOSAtrans+  
Plot of PFOSAtransstr.duration.hrs  
Plot of PFOSAtransEthnicity**



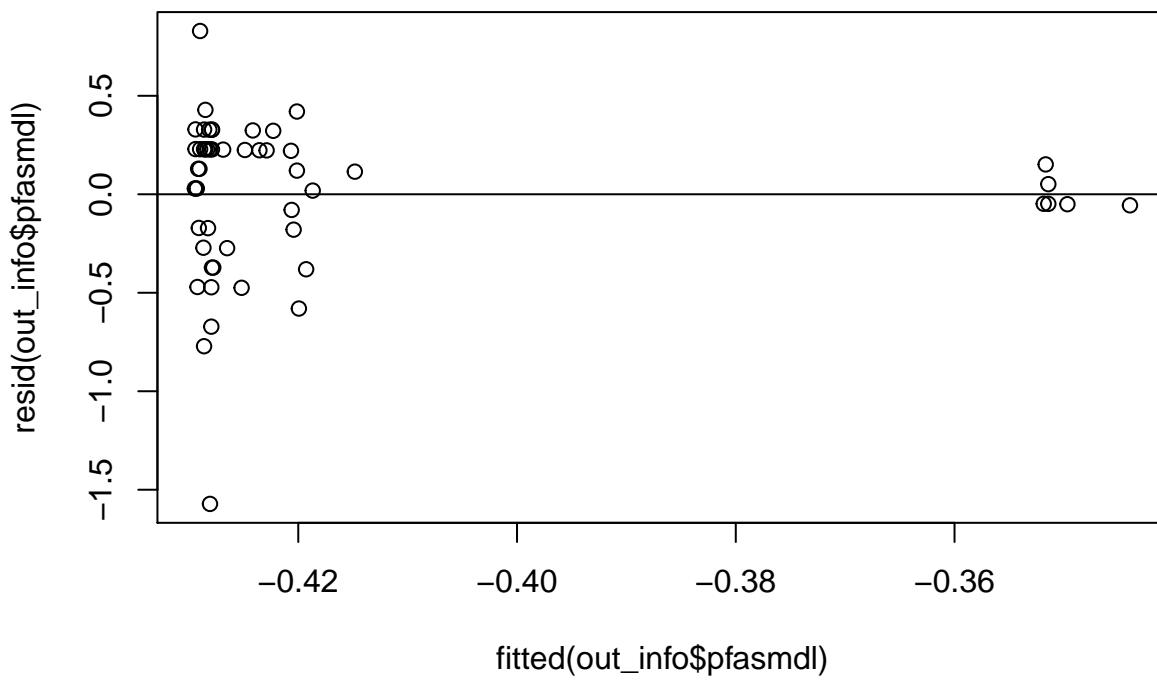
**Normal Q-Q Plot**



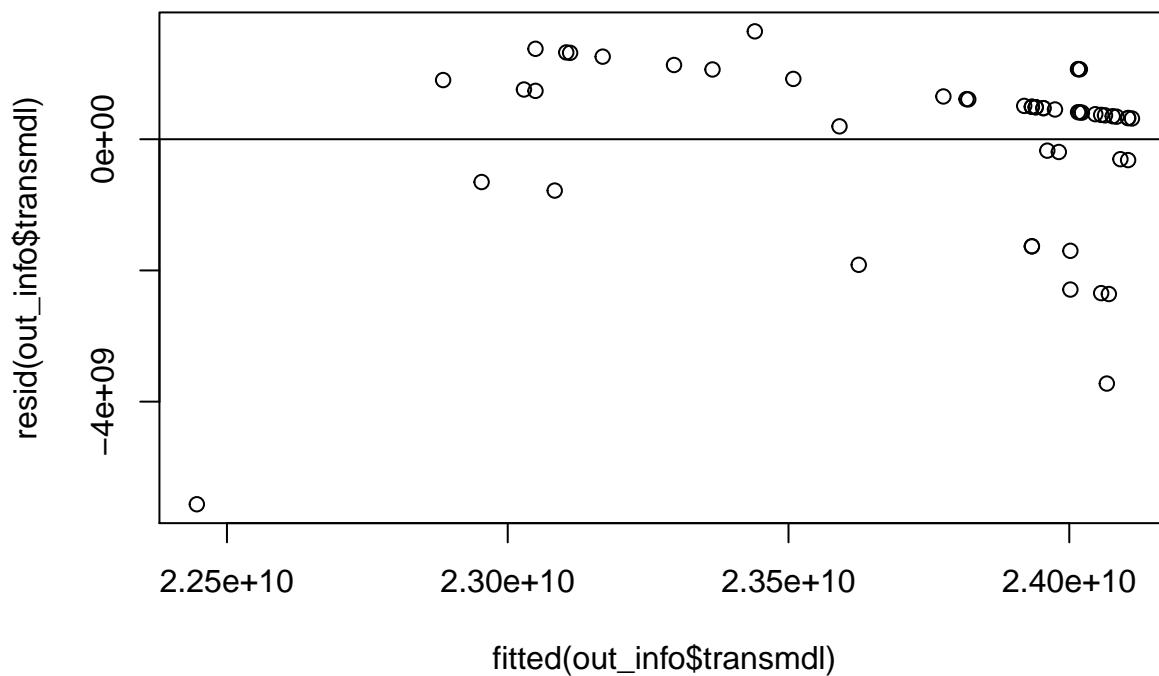
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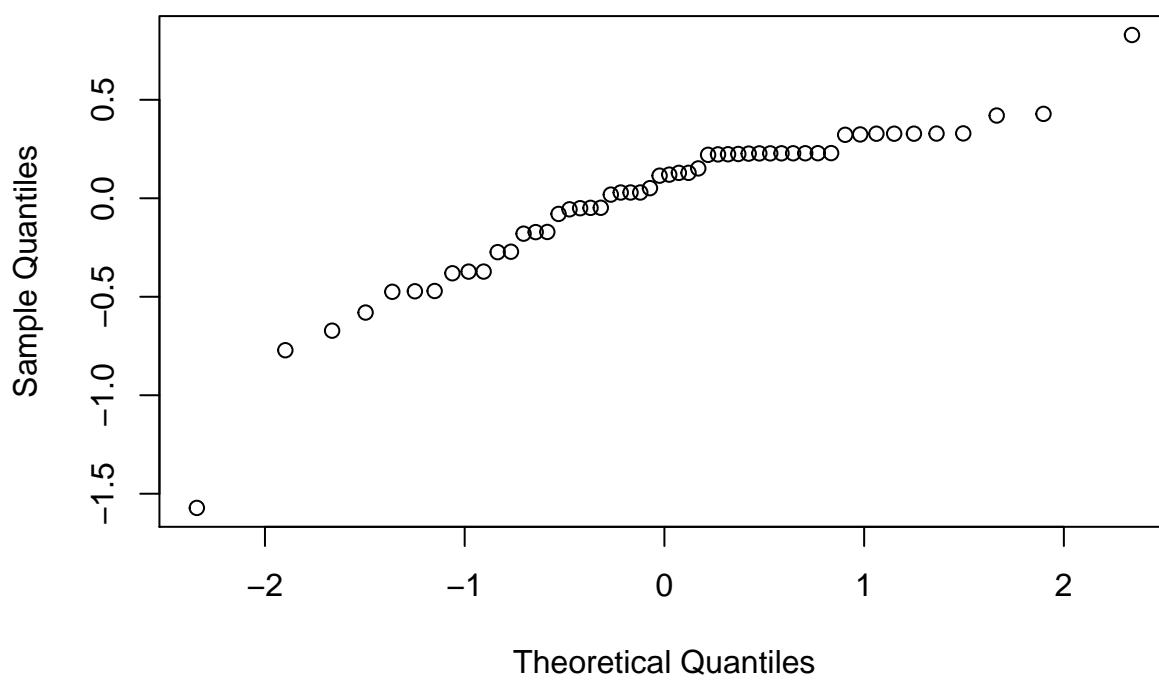
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.MRF  
Plot of SmPFO\$origEthnicity



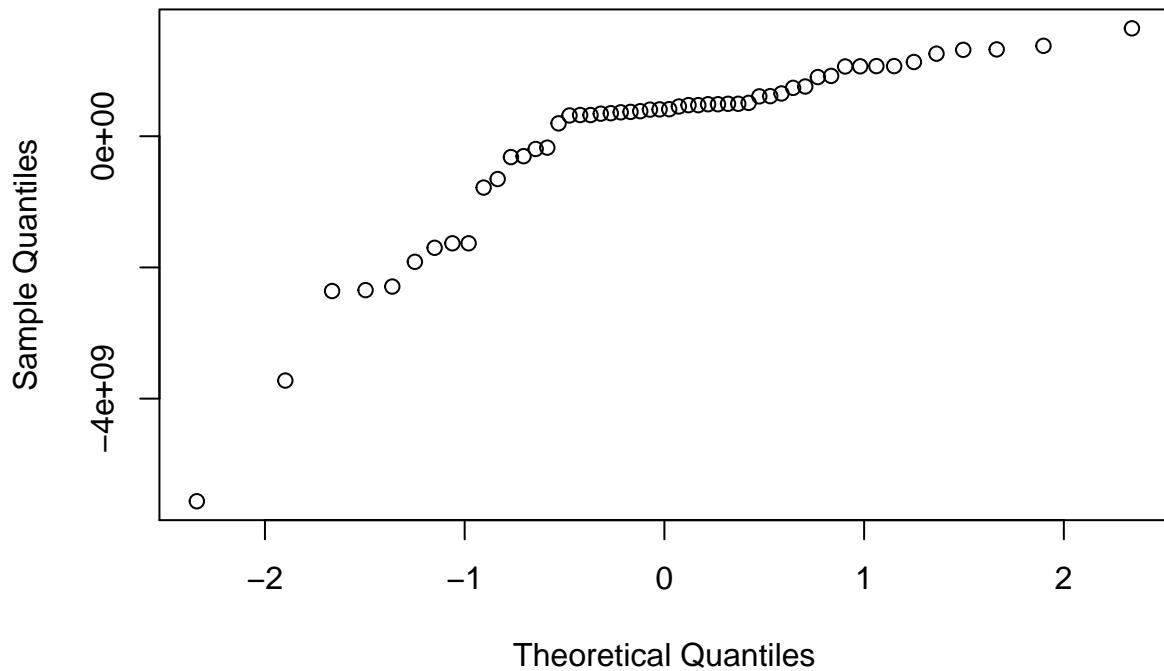
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.MRF  
Plot of PFOSAtransEthnicity**



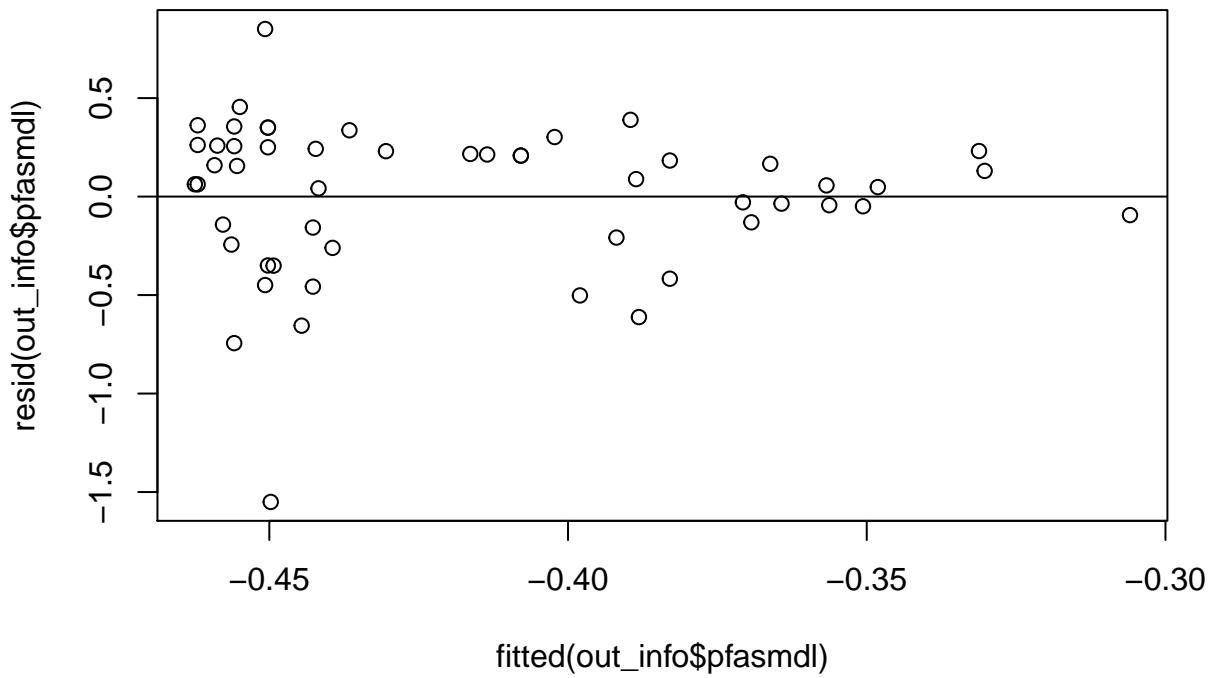
**Normal Q-Q Plot**



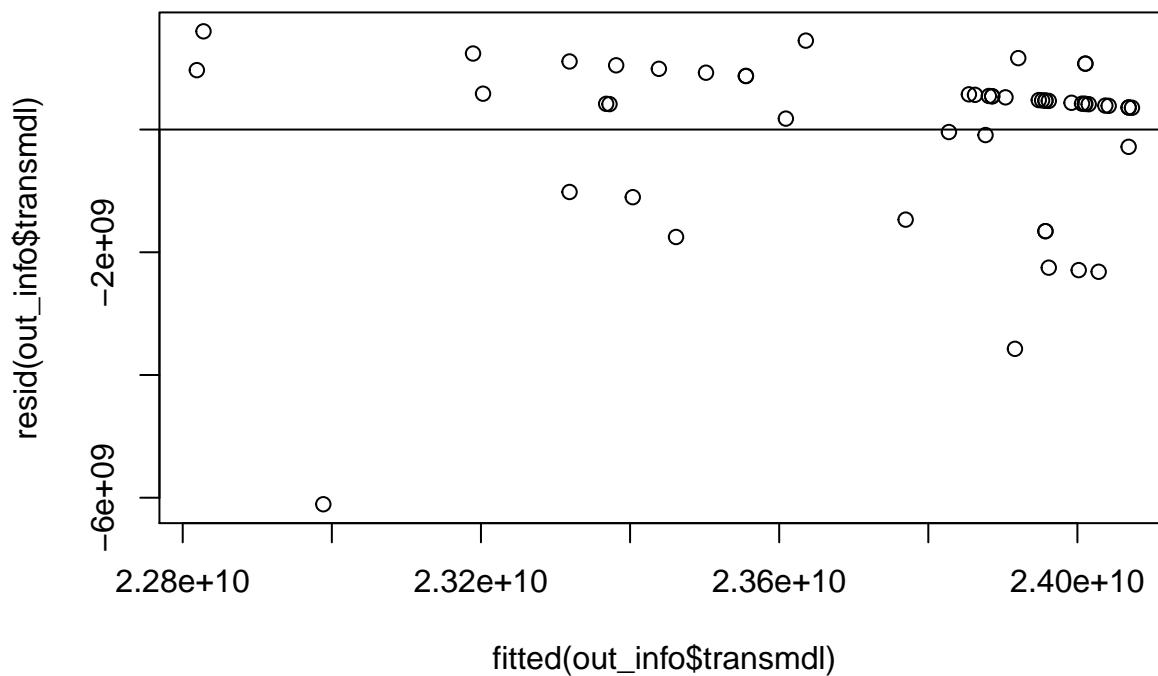
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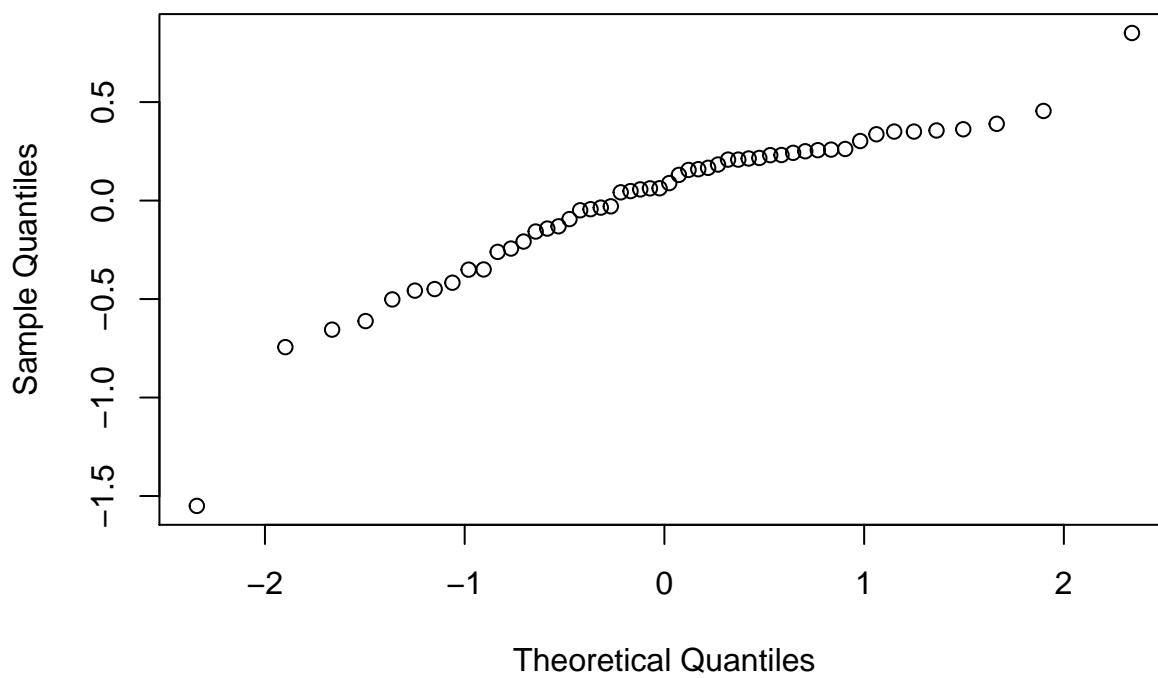
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.struc.MRF  
Plot of SmPFO\$origEthnicity



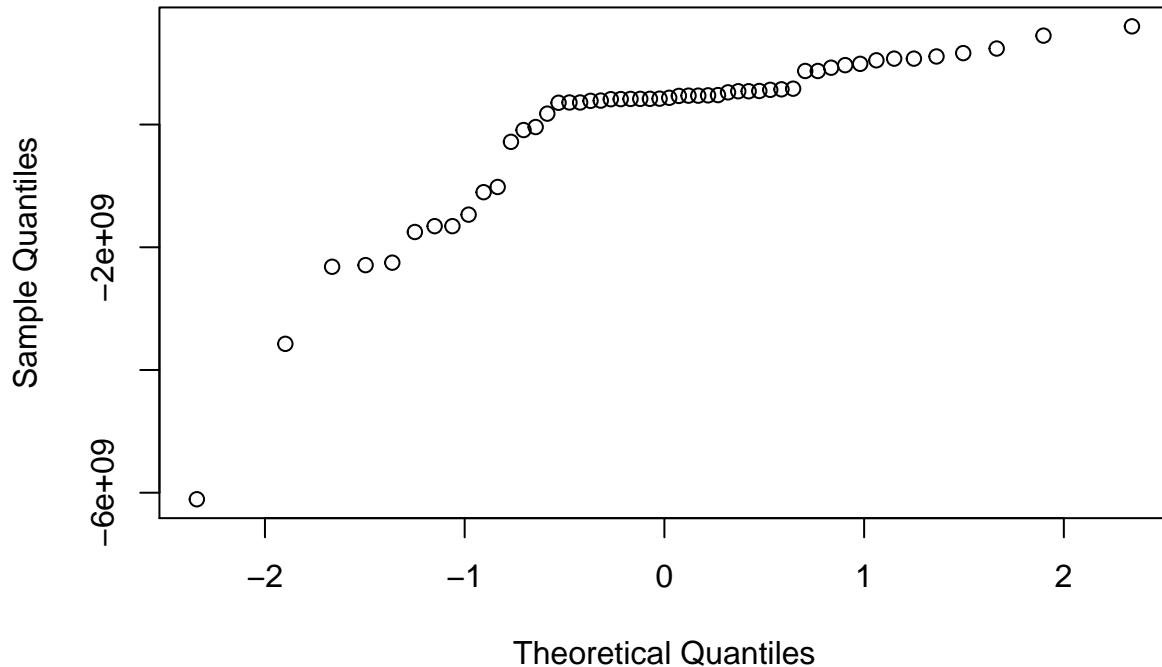
**Plot of PFOSAtrans+  
Plot of PFOSAtransdays.since.struc.MRF  
Plot of PFOSAtransEthnicity**



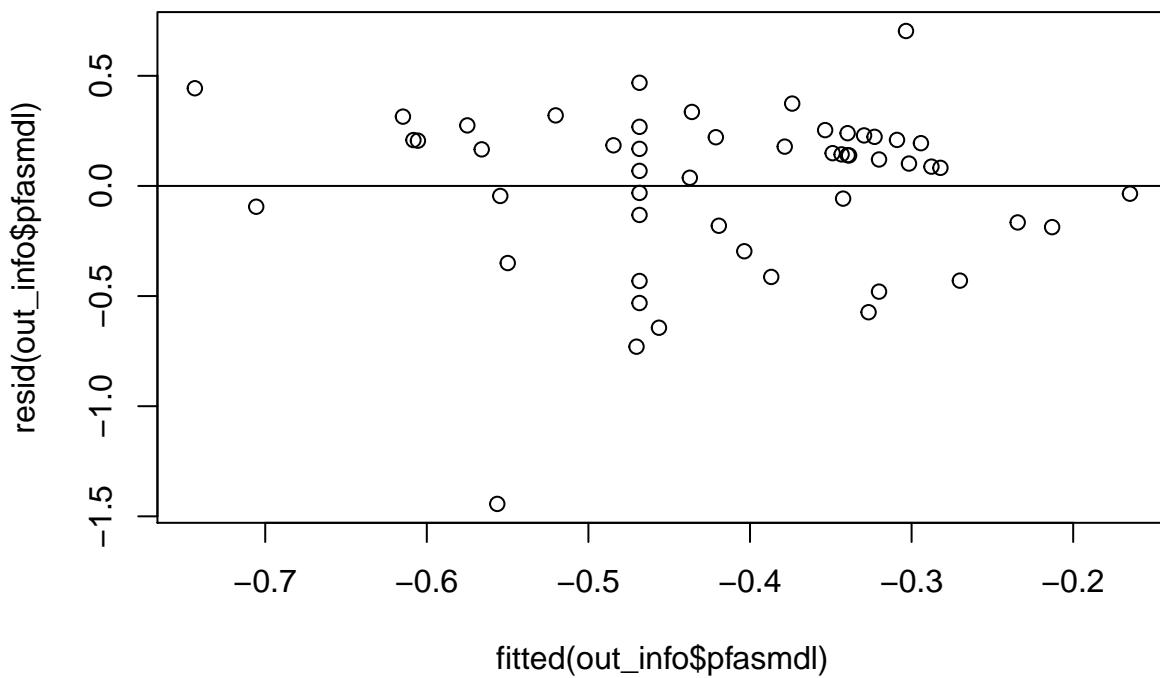
**Normal Q-Q Plot**



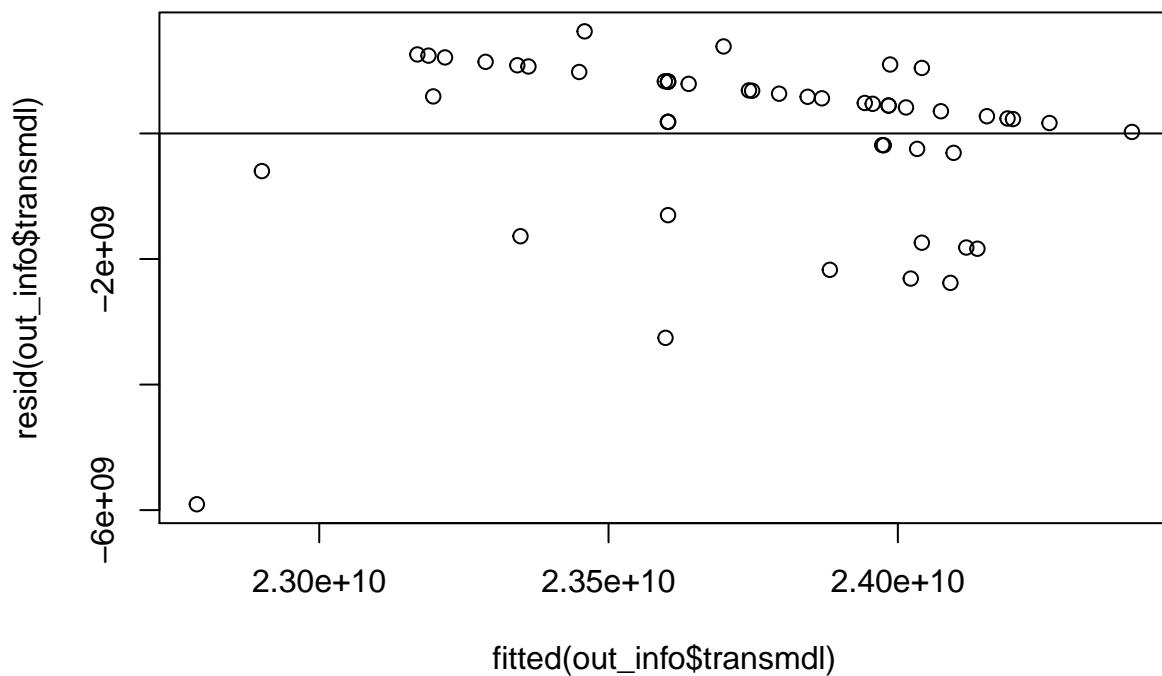
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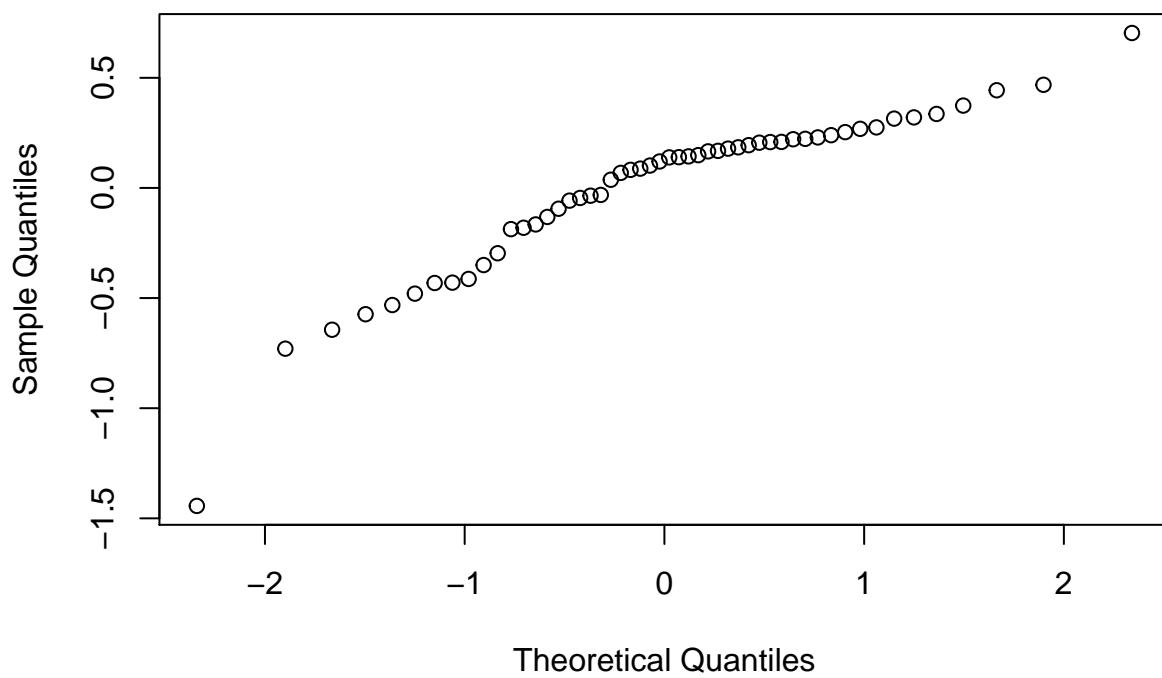
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$time.since.baseline  
Plot of SmPFO\$orig\$Ethnicity



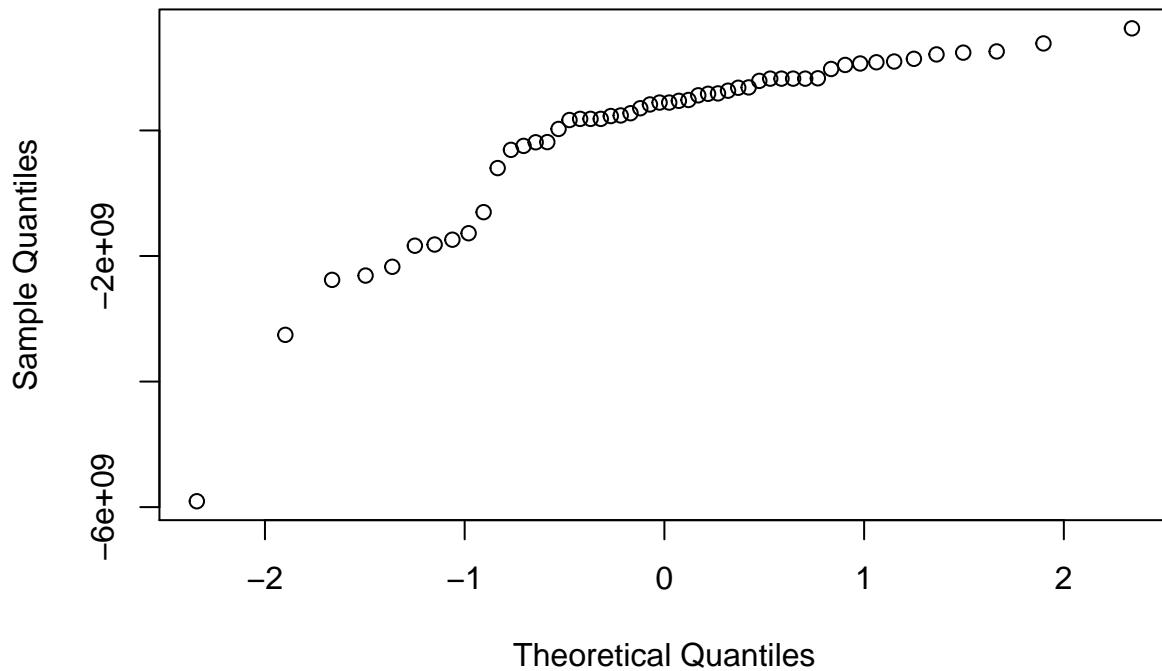
**Plot of PFOSAtrans+  
Plot of PFOSAtranstime.since.baseline  
Plot of PFOSAtransEthnicity**



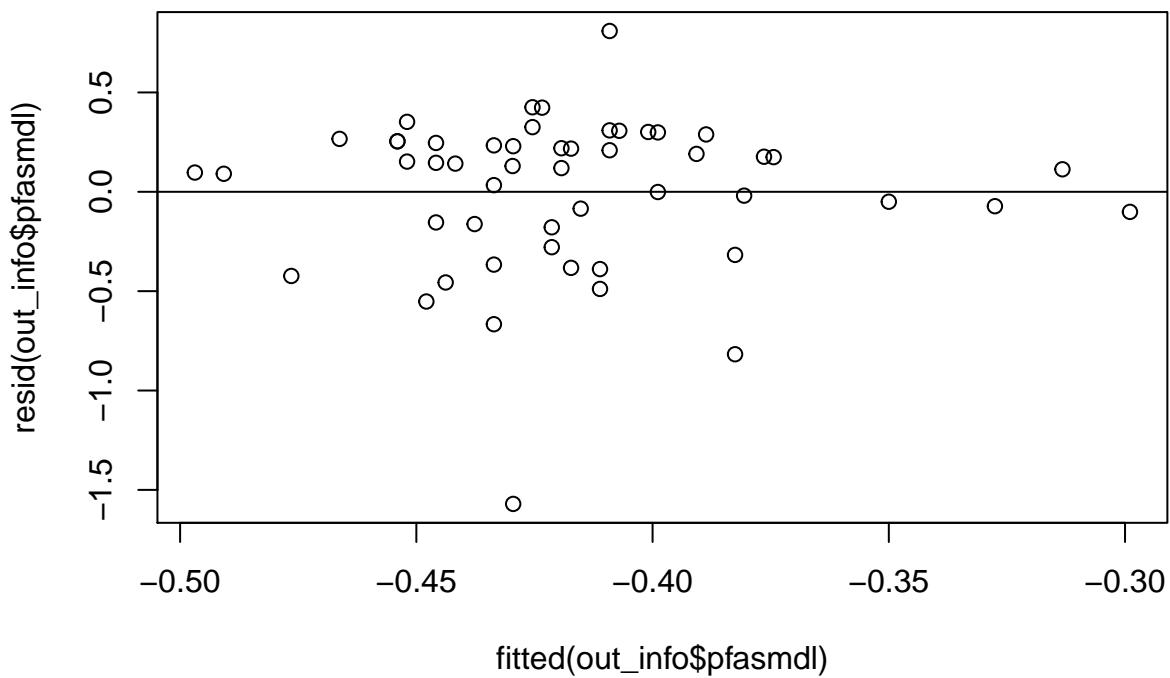
**Normal Q-Q Plot**



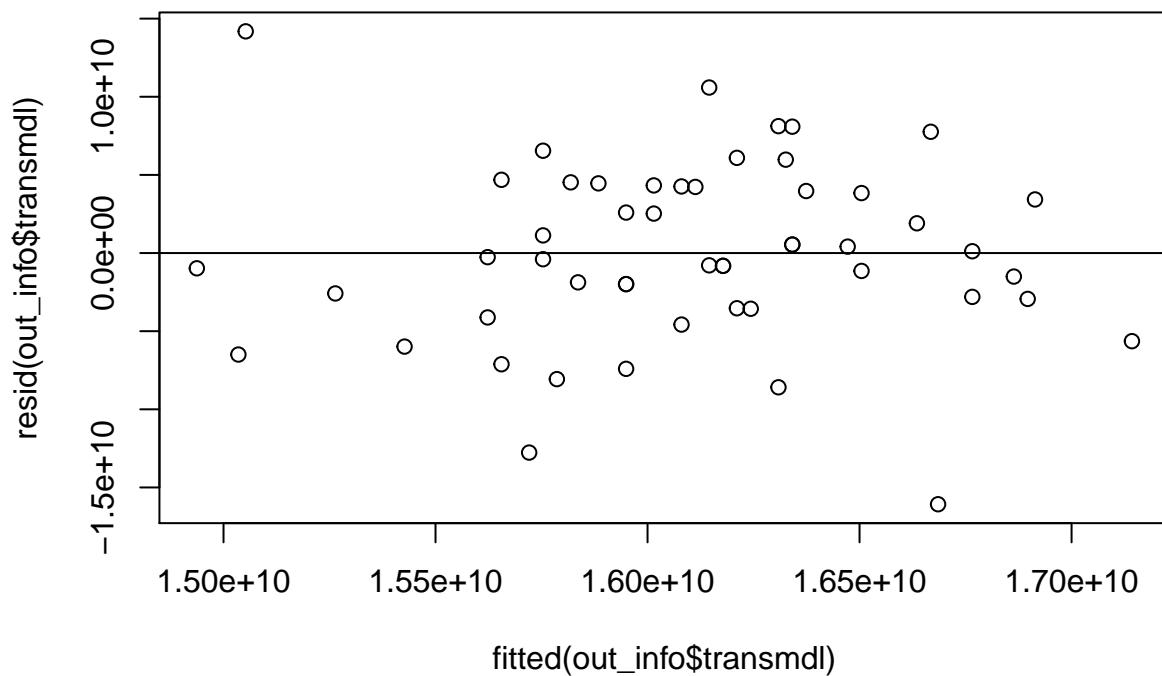
### Normal Q-Q Plot



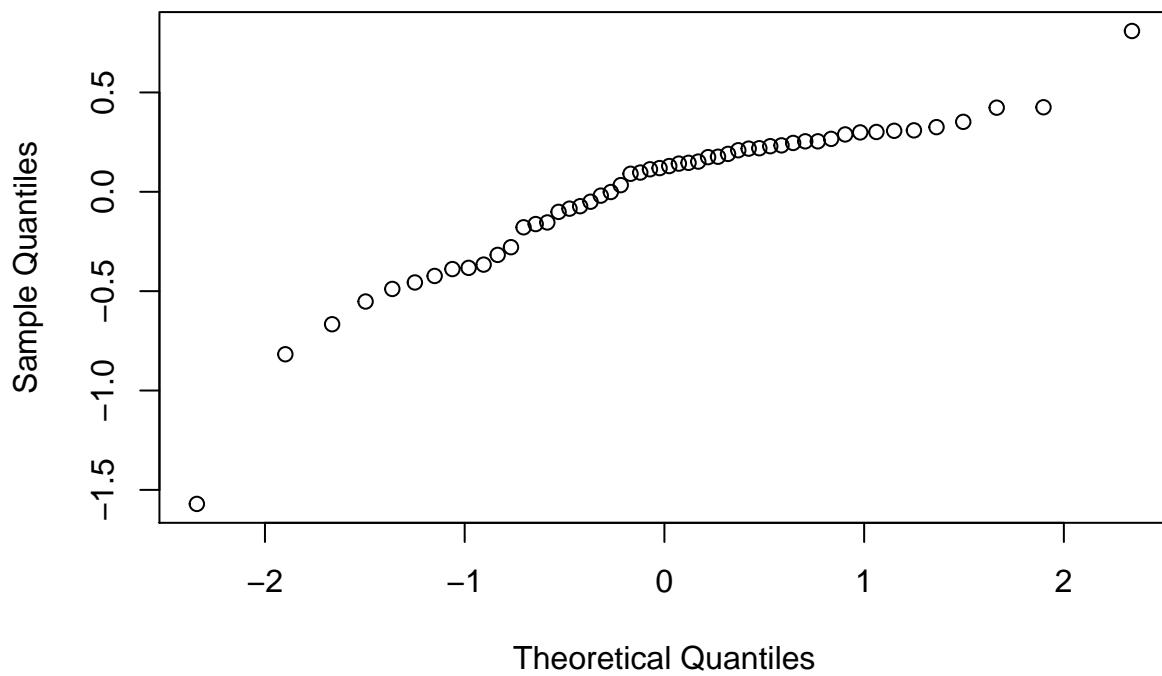
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity**



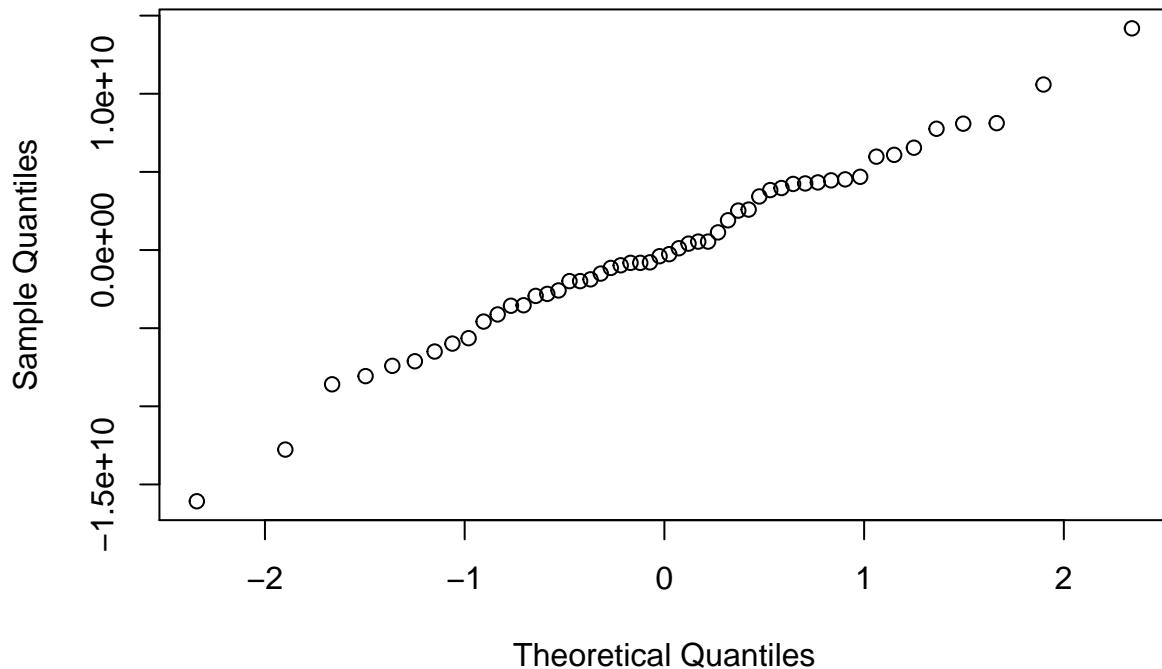
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Plot of fnPFOAtranstotal.num.fireruns  
Plot of fnPFOAtransEthnicity**



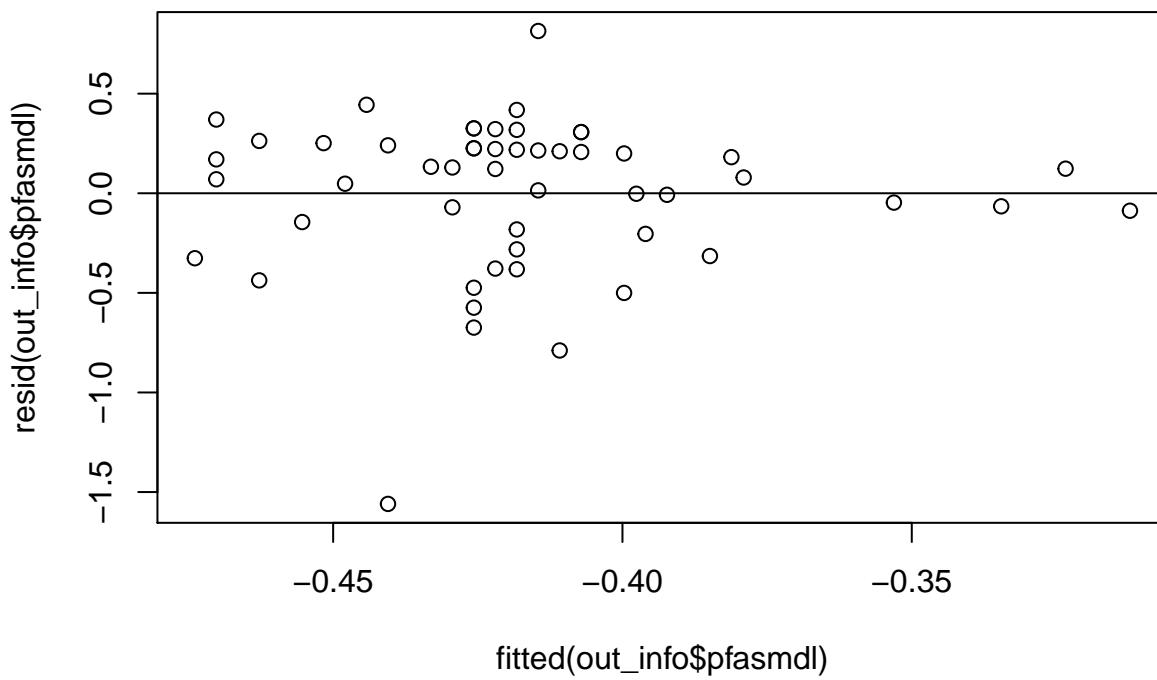
**Normal Q-Q Plot**



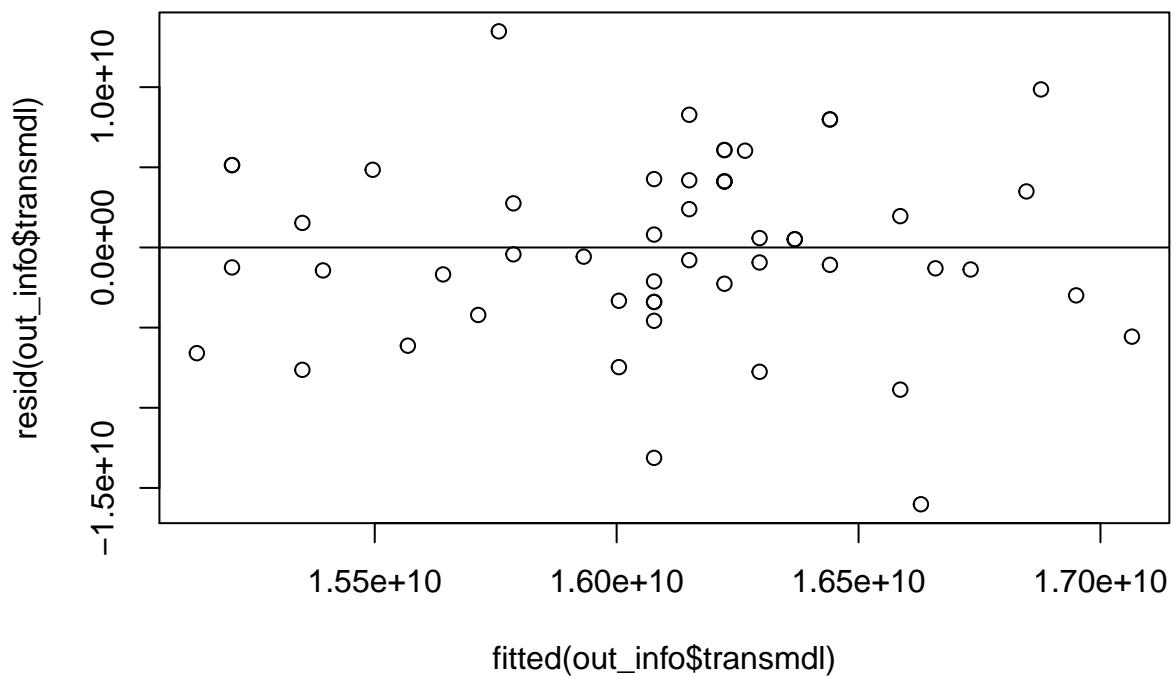
### Normal Q-Q Plot



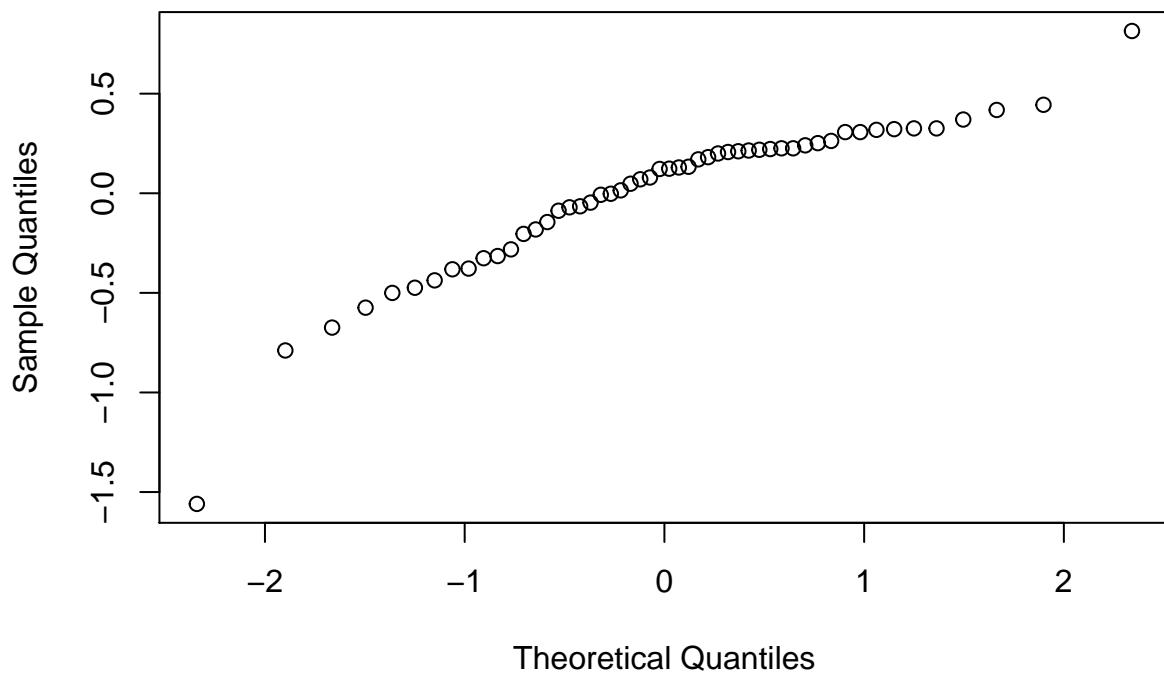
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.num.fireruns  
Plot of SmPFO\$origEthnicity



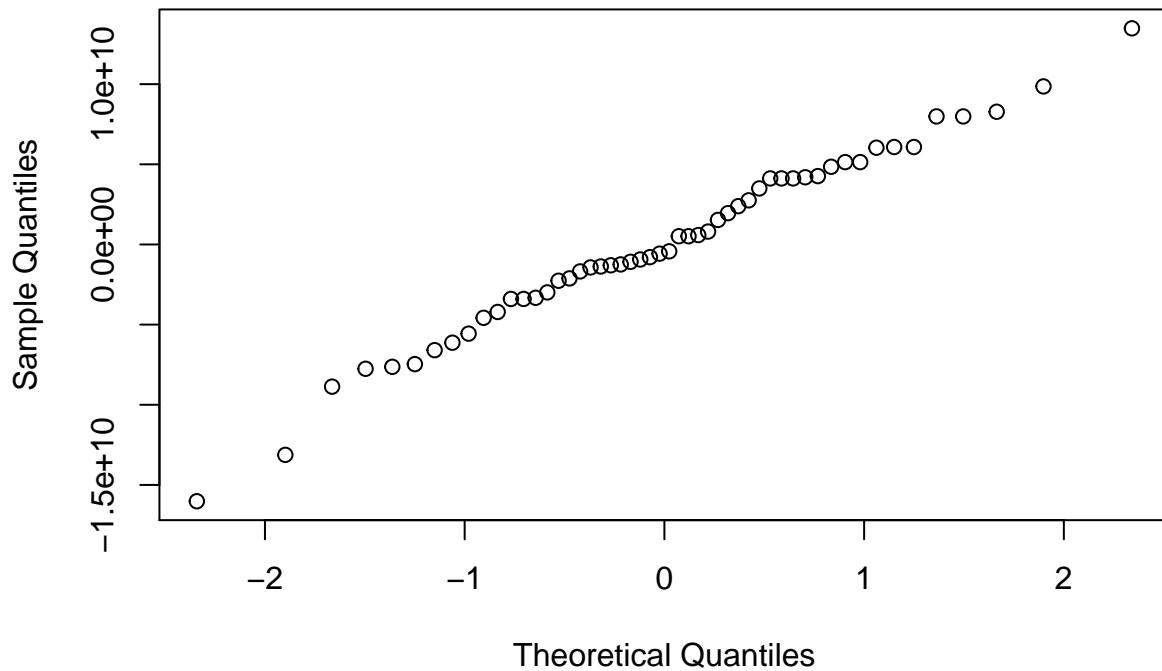
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Plot of fnPFOAtransstr.num.fireruns  
Plot of fnPFOAtransEthnicity**



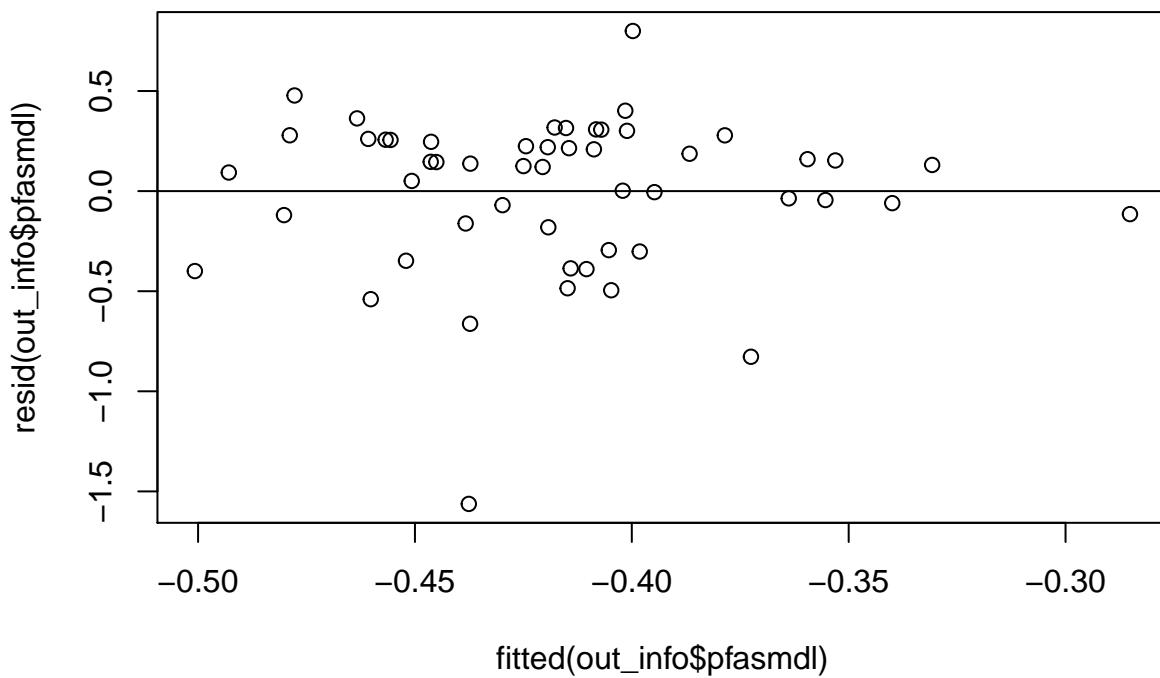
**Normal Q-Q Plot**



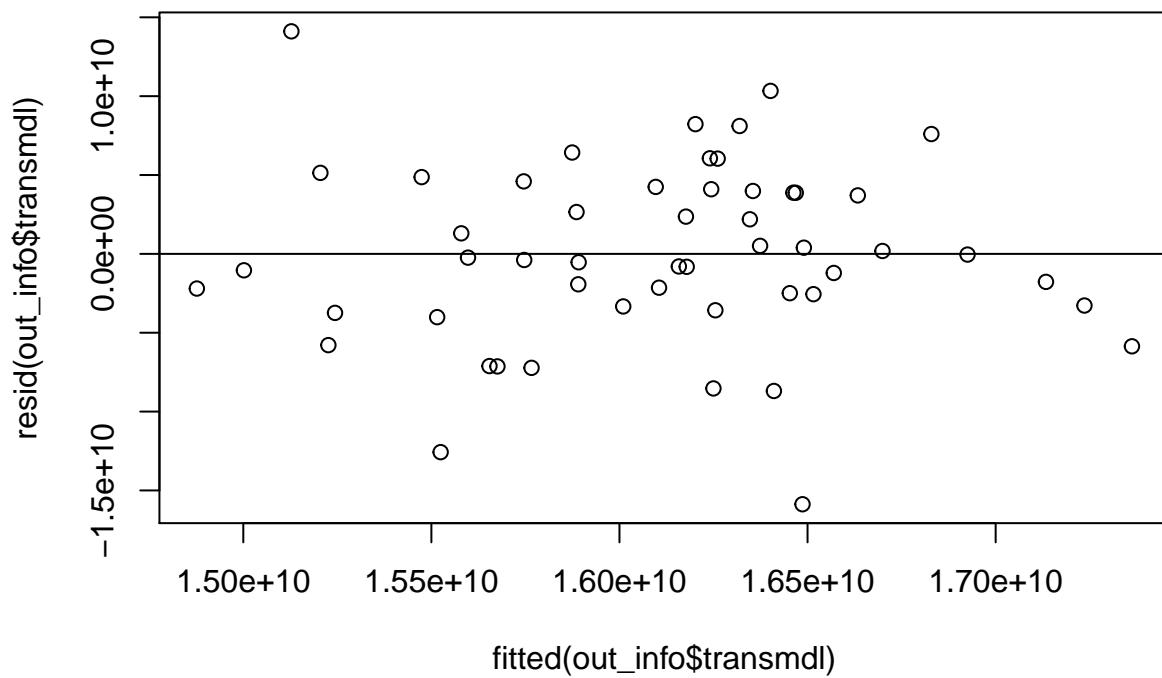
### Normal Q-Q Plot



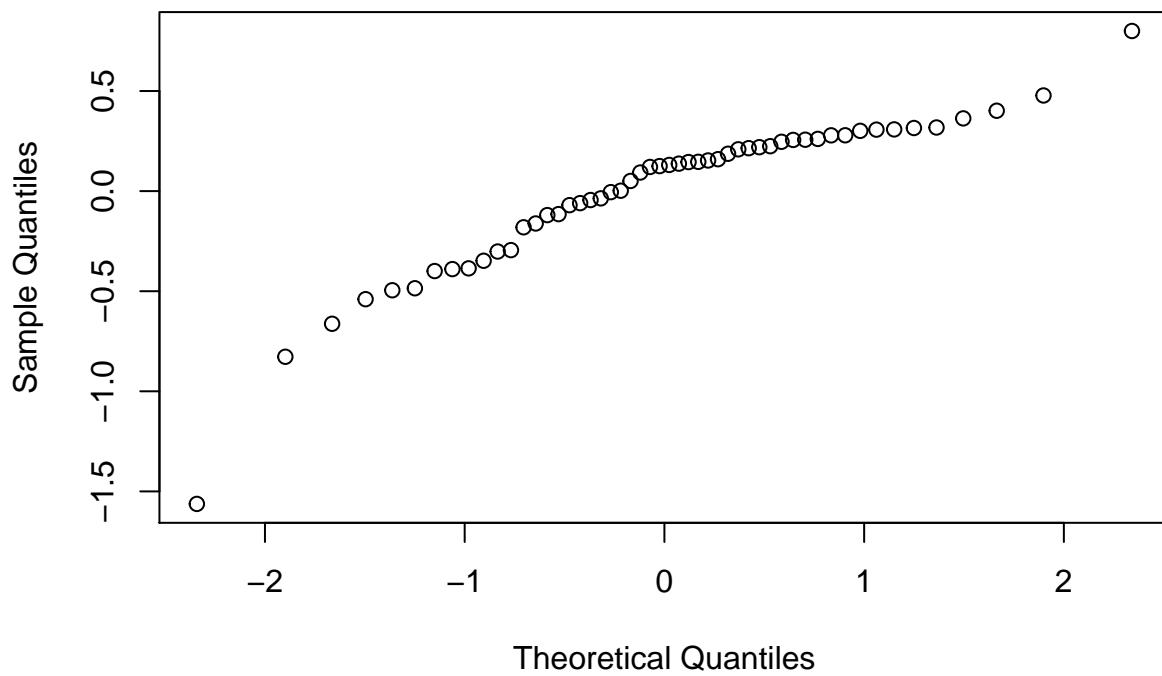
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.duration.hrs  
Plot of SmPFO\$orig\$Ethnicity**



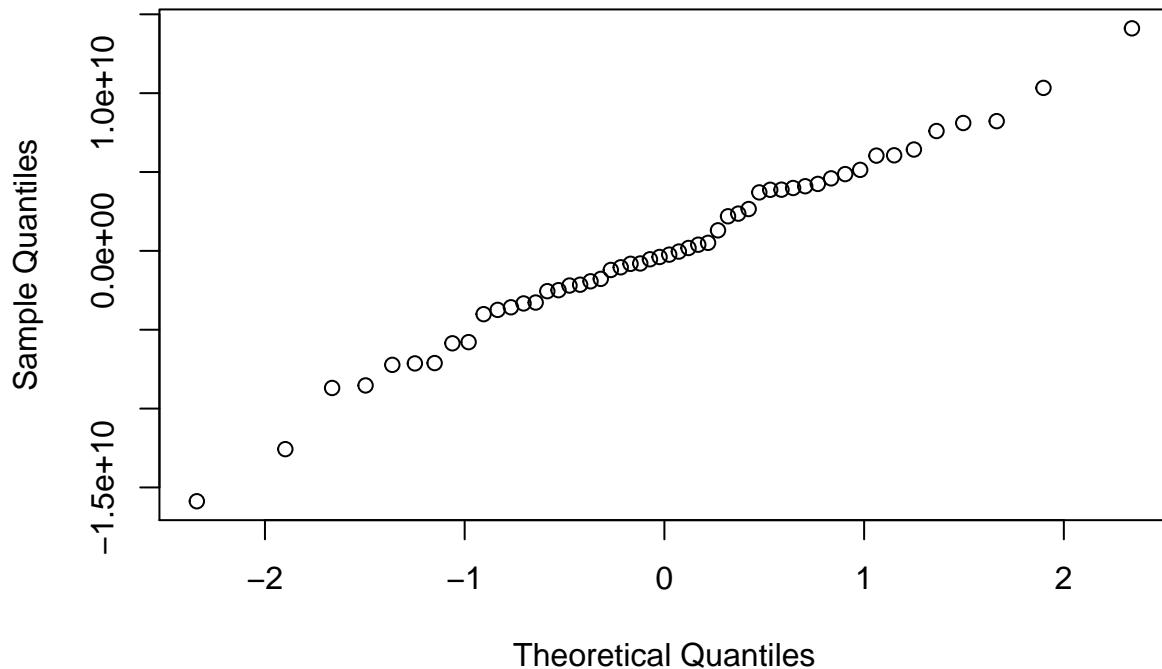
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstotal.duration.hrs  
Plot of fnPFOAtransEthnicity**



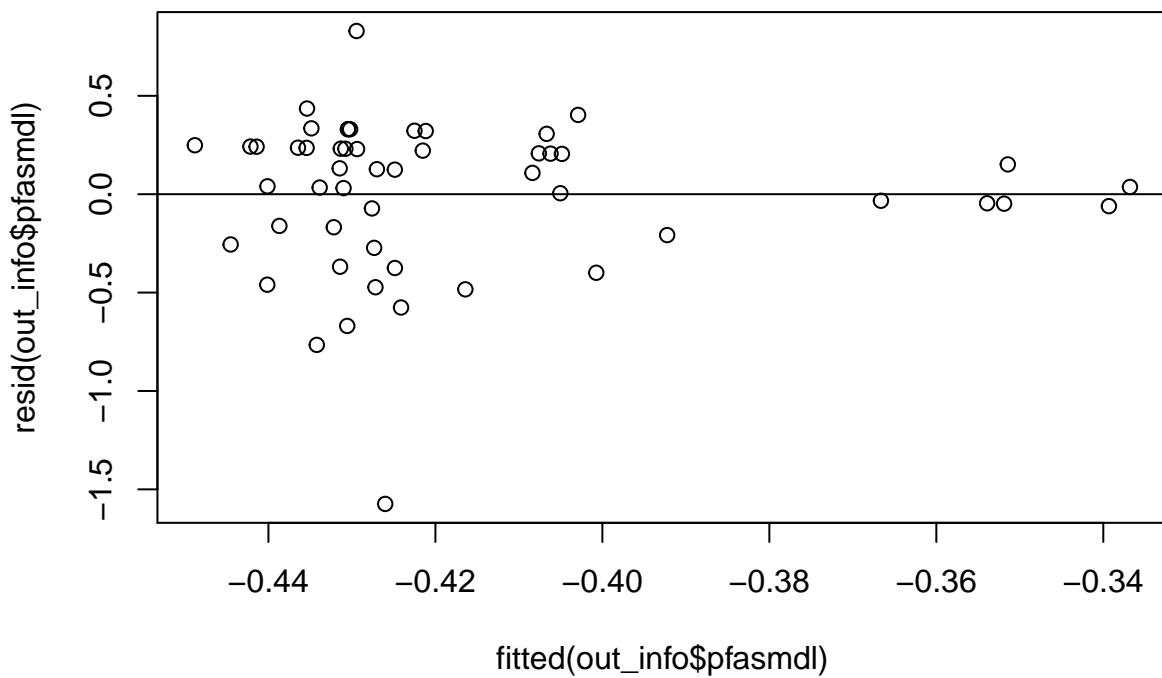
**Normal Q-Q Plot**



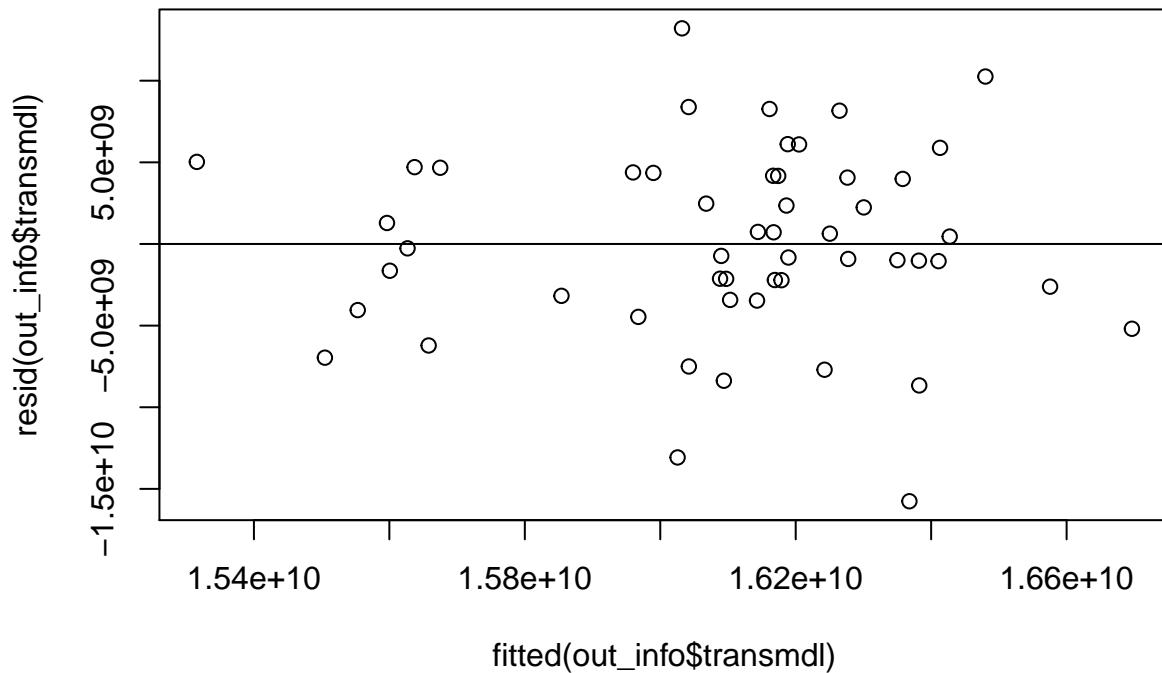
### Normal Q-Q Plot



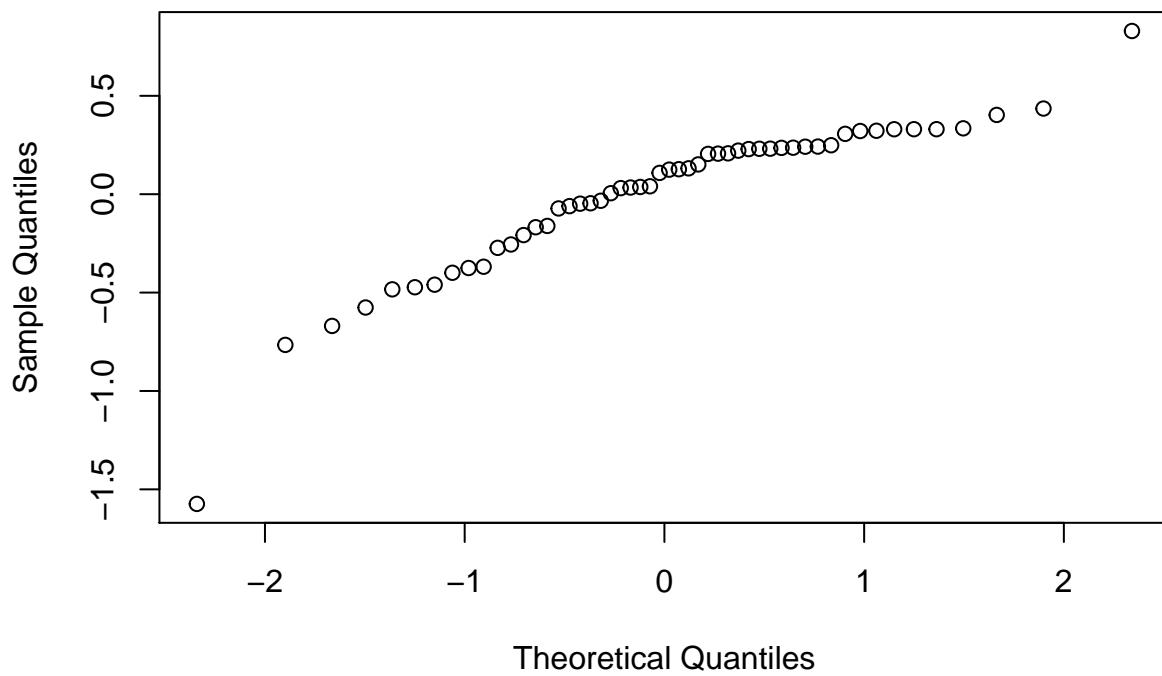
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.duration.hrs  
Plot of SmPFO\$origEthnicity



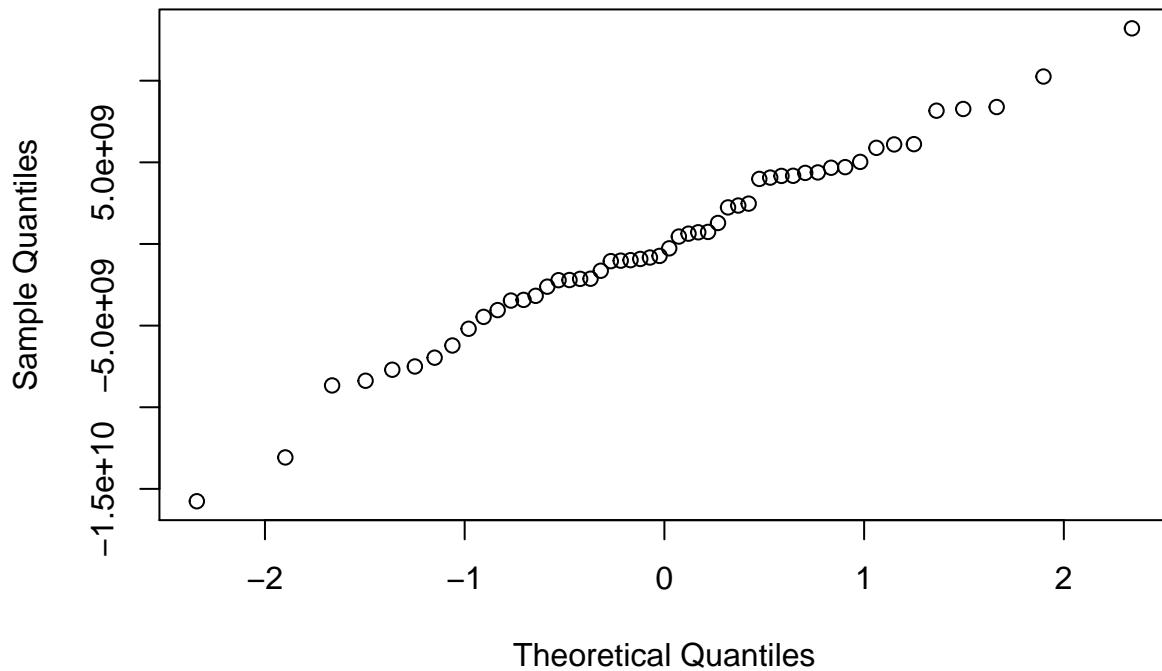
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Plot of fnPFOAtransstr.duration.hrs  
Plot of fnPFOAtransEthnicity**



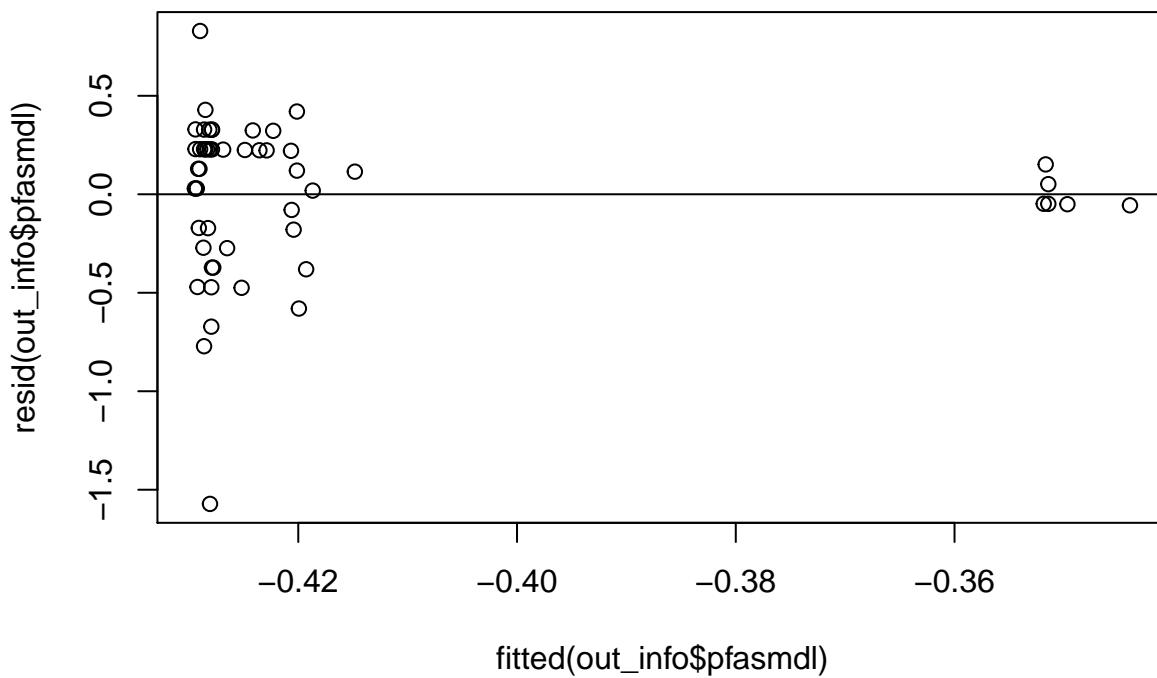
**Normal Q-Q Plot**



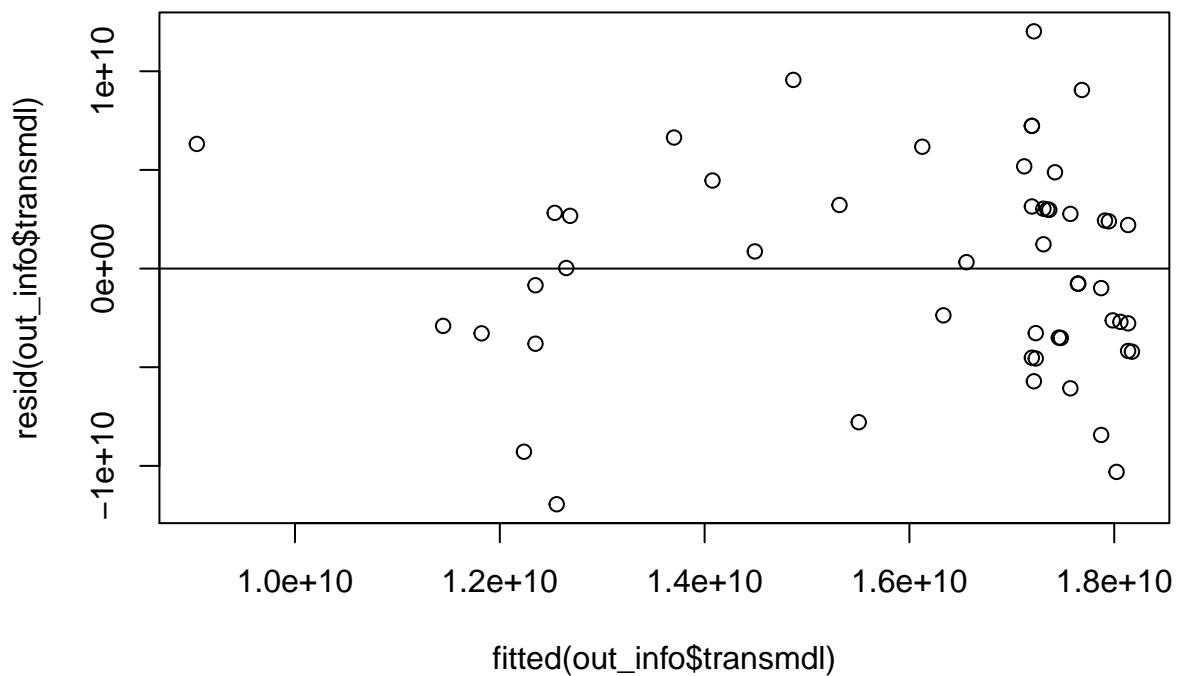
### Normal Q-Q Plot



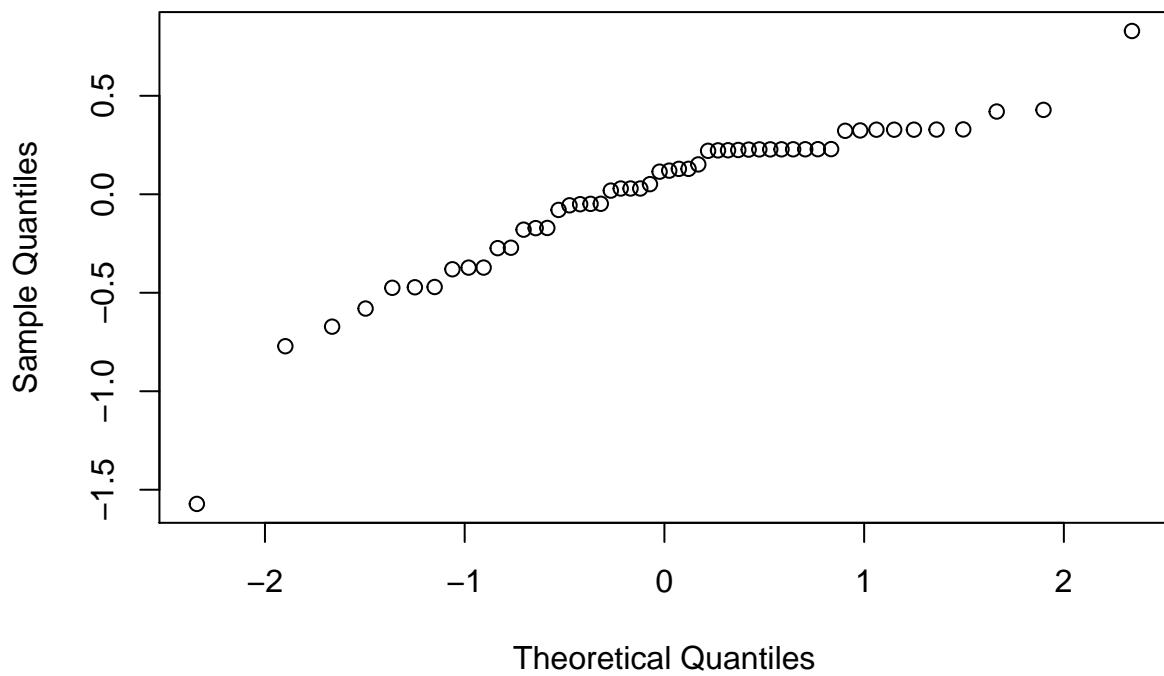
**Plot of SmPFO\$orig +  
Plot of SmPFO\$origdays.since.MRF  
Plot of SmPFO\$origEthnicity**



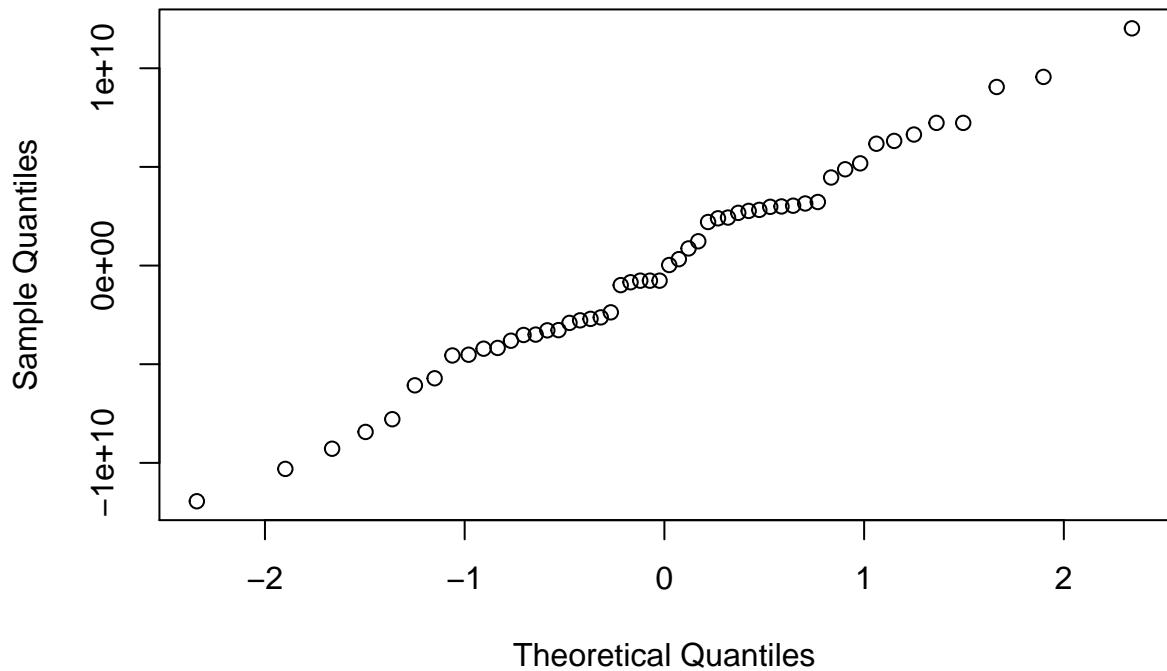
**Plot of fnPFOAtrans+  
Plot of fnPFOAtransdays.since.MRF  
Plot of fnPFOAtransEthnicity**



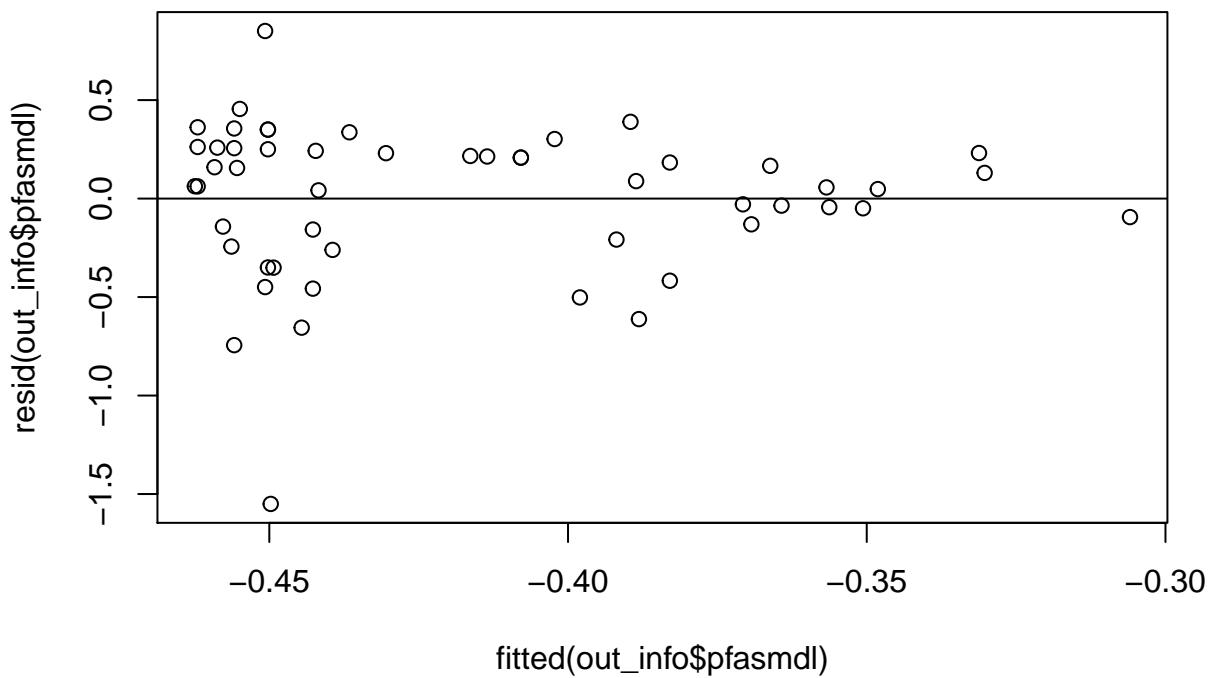
**Normal Q-Q Plot**



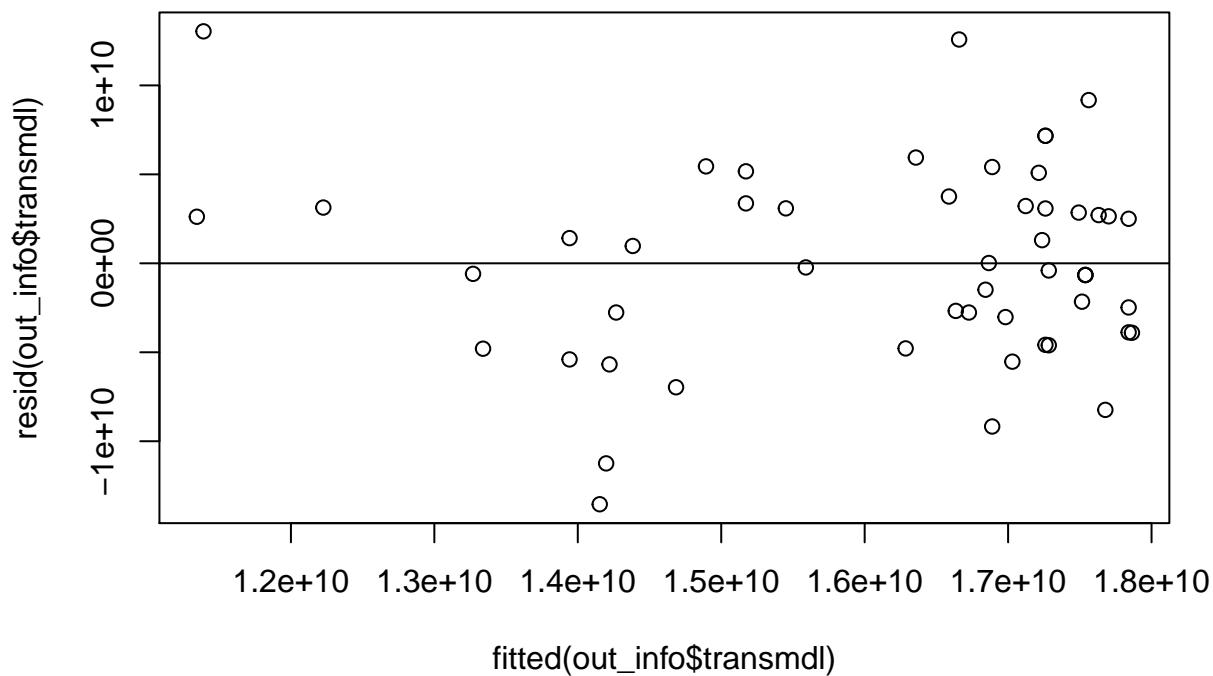
### Normal Q-Q Plot



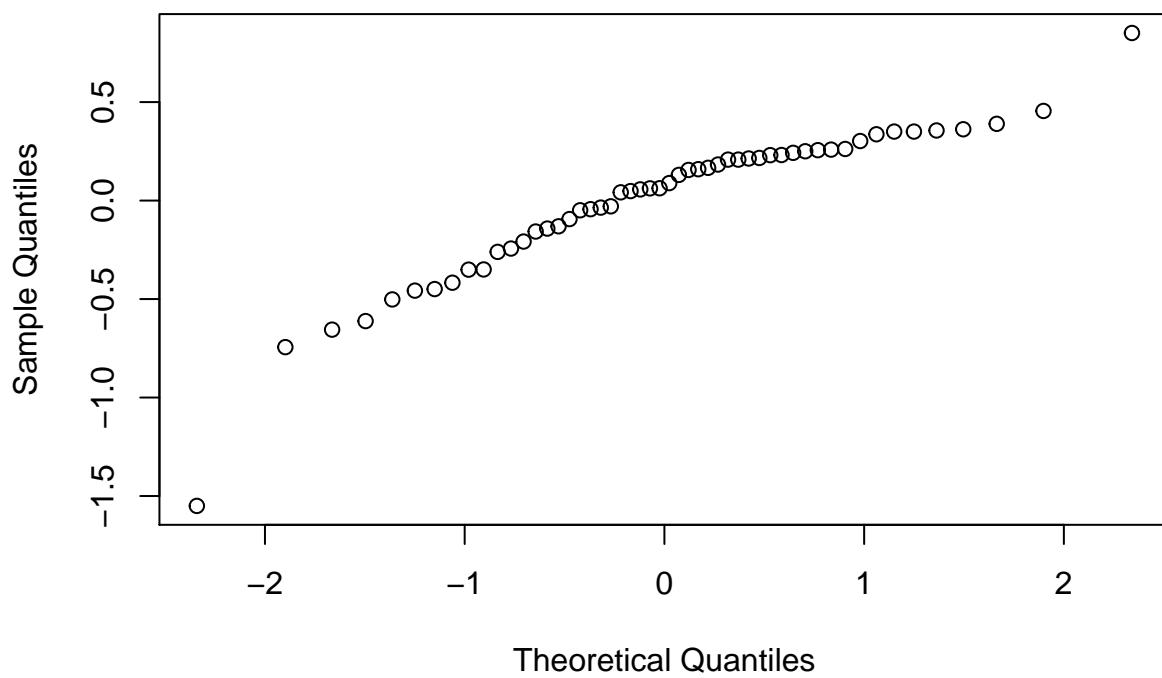
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.struc.MRF  
Plot of SmPFO\$origEthnicity



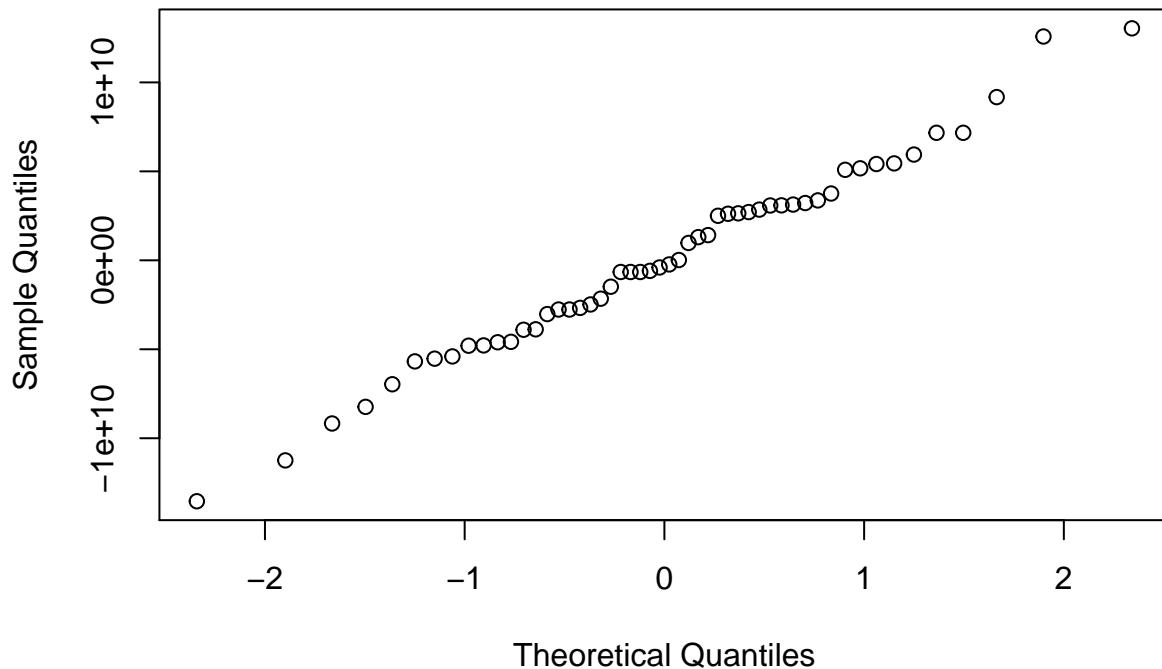
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Plot of fnPFOAtransdays.since.struc.MRF  
Plot of fnPFOAtransEthnicity**



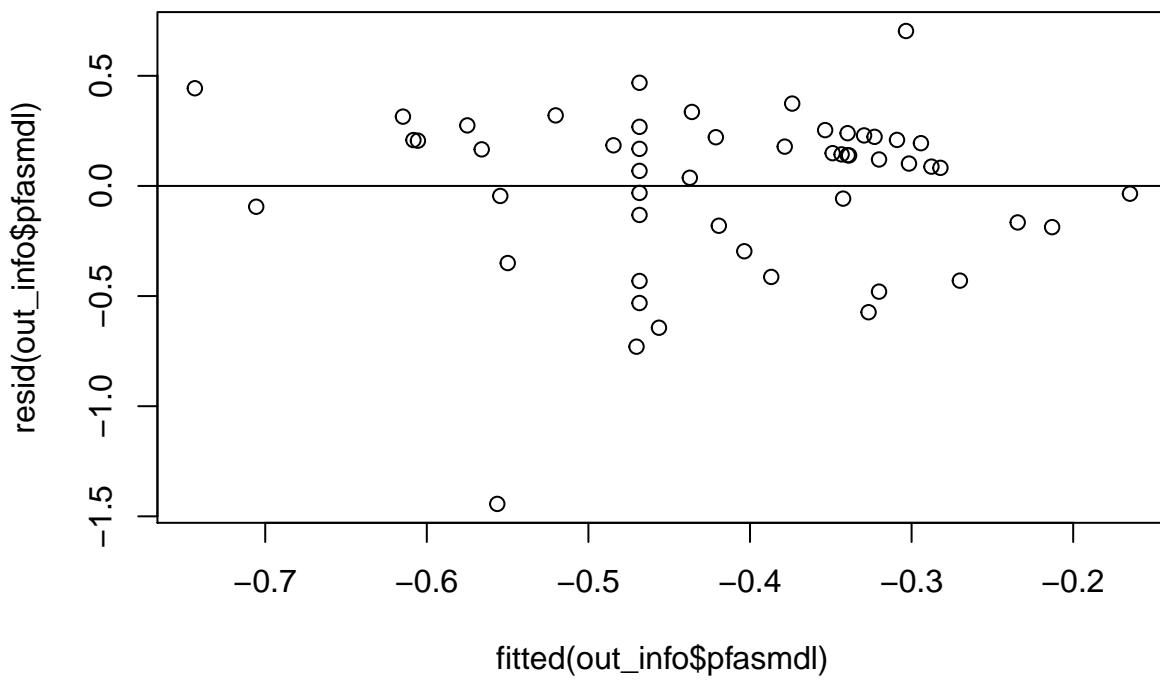
**Normal Q-Q Plot**



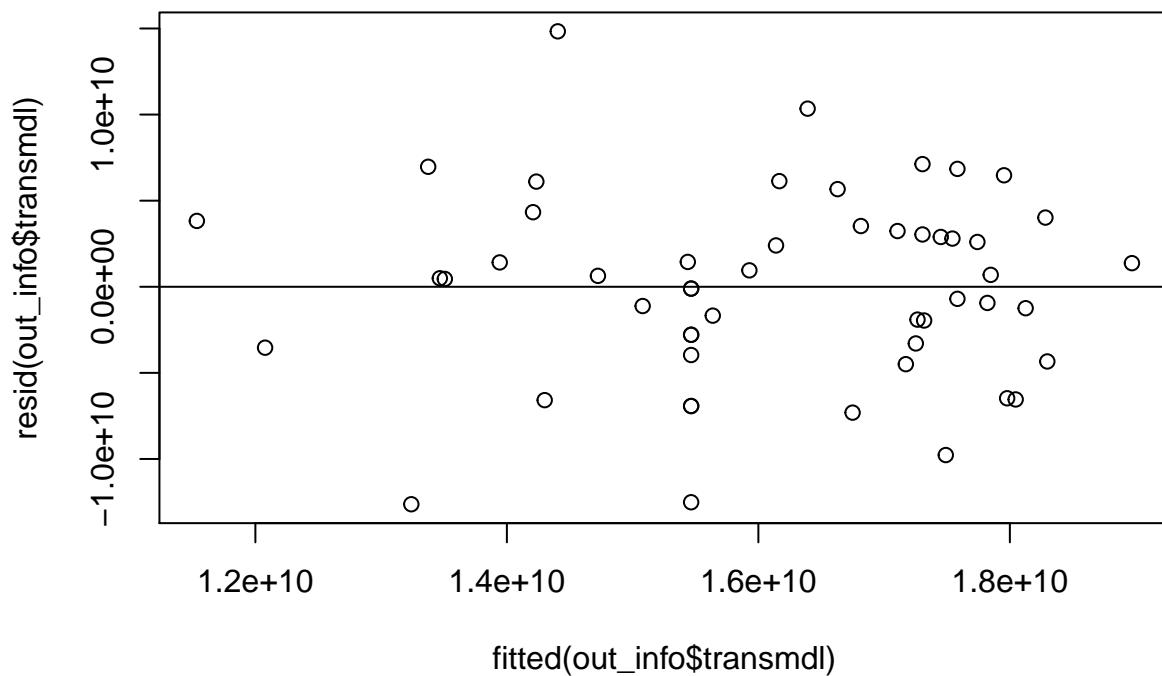
### Normal Q-Q Plot



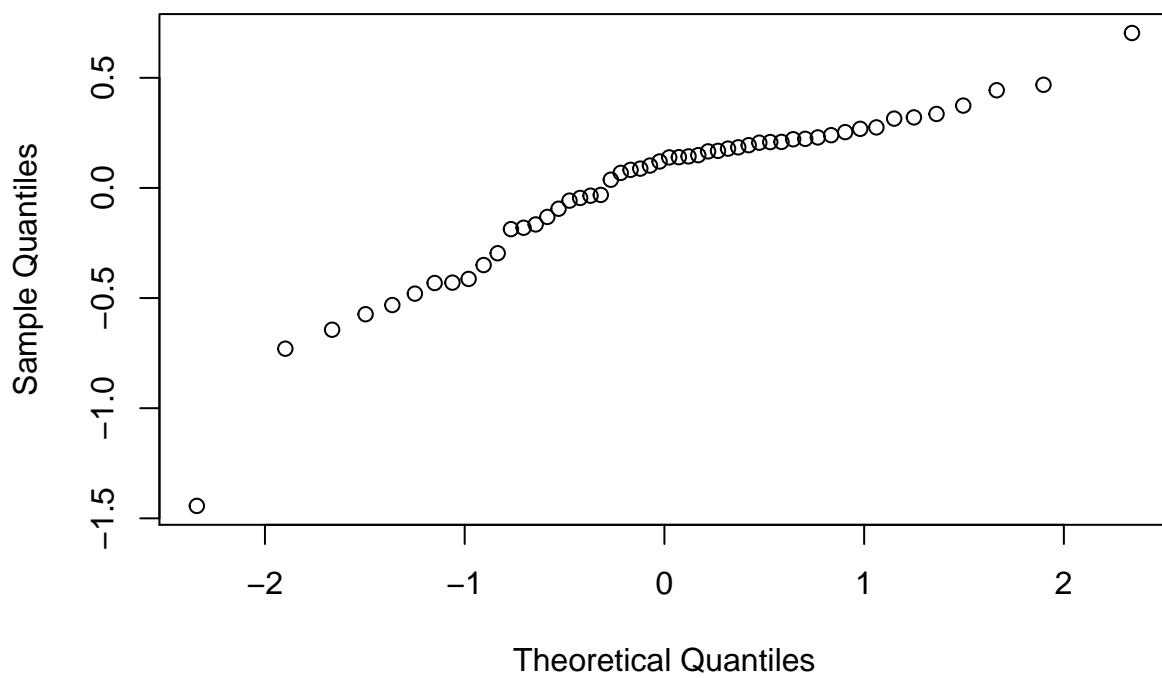
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$time.since.baseline  
Plot of SmPFO\$orig\$Ethnicity



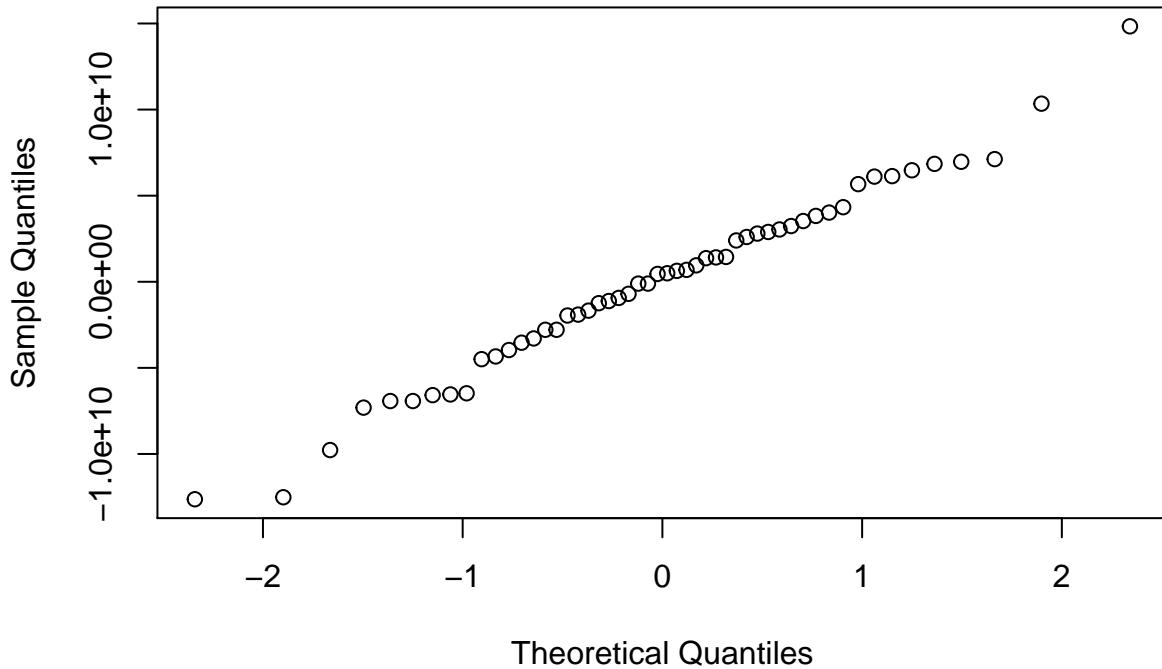
**Plot of fnPFOAtrans+  
Plot of fnPFOAtranstime.since.baseline  
Plot of fnPFOAtransEthnicity**



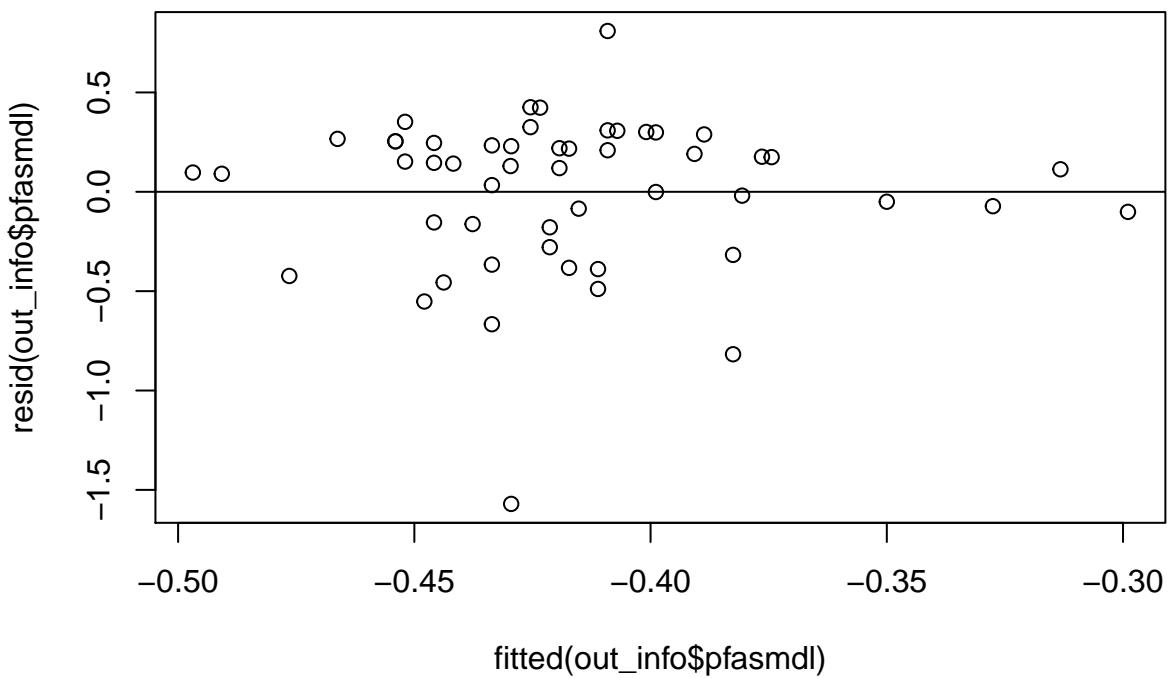
**Normal Q-Q Plot**



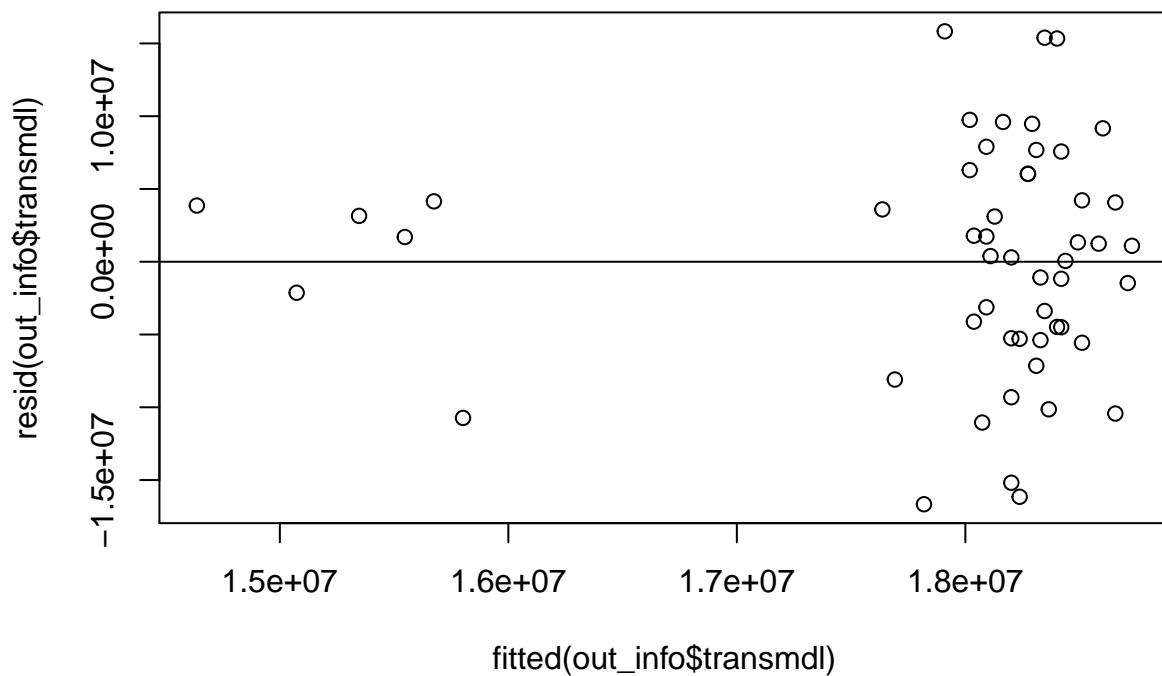
### Normal Q-Q Plot



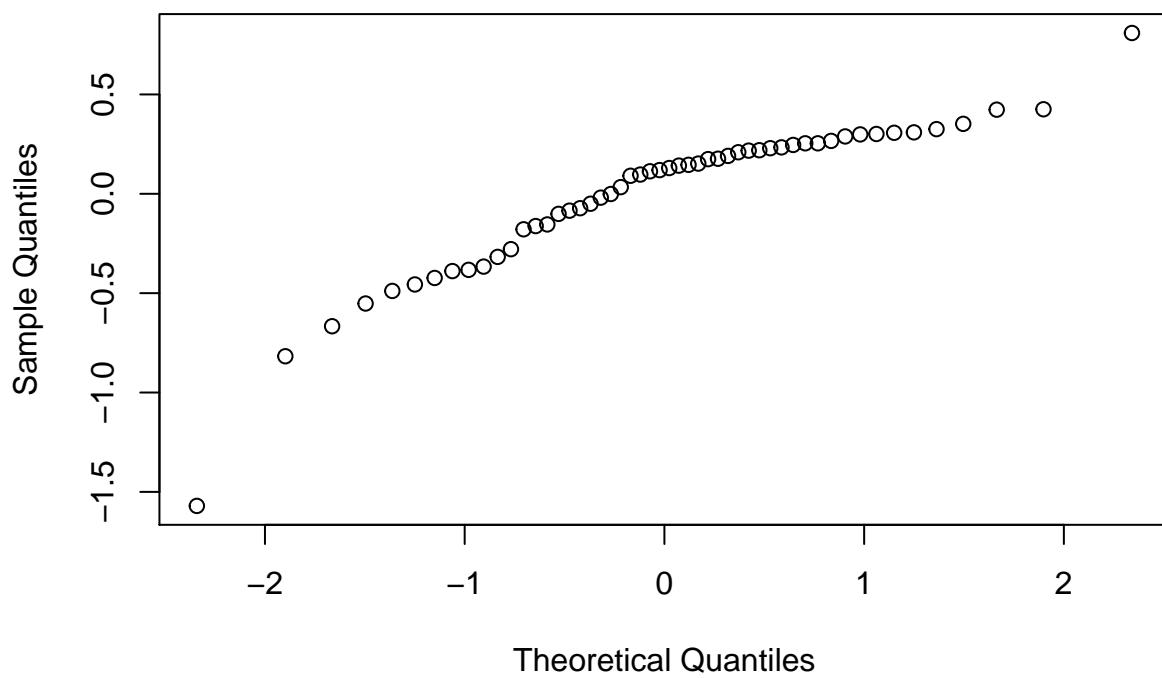
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity**



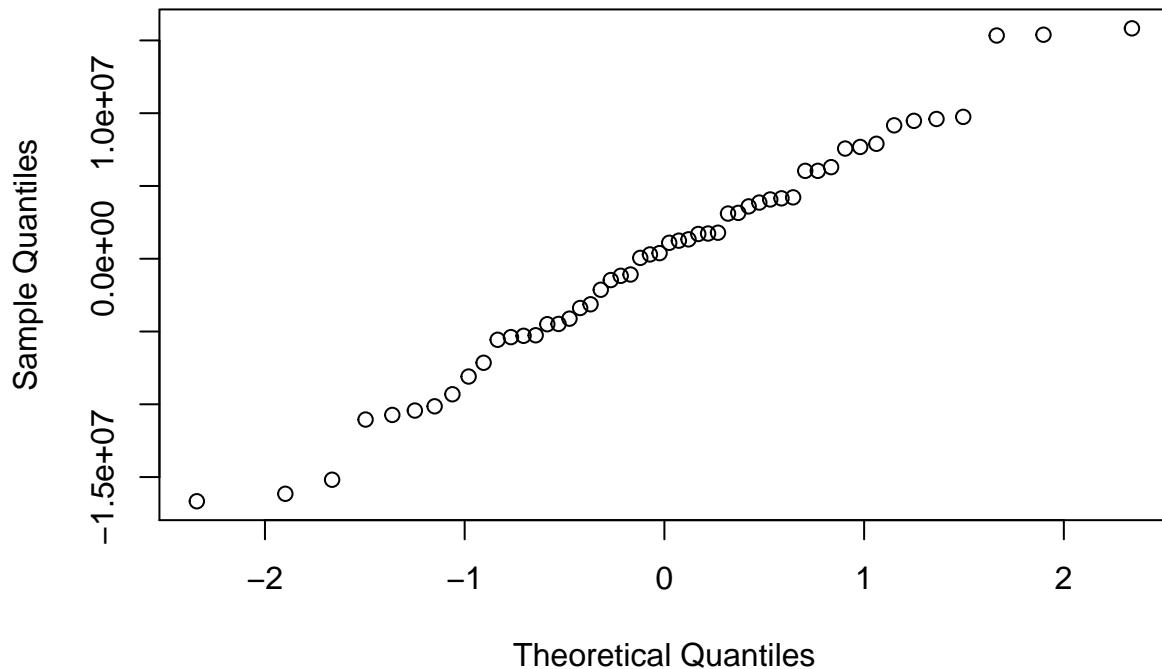
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.num.fireruns  
Plot of fnPFOStransEthnicity**



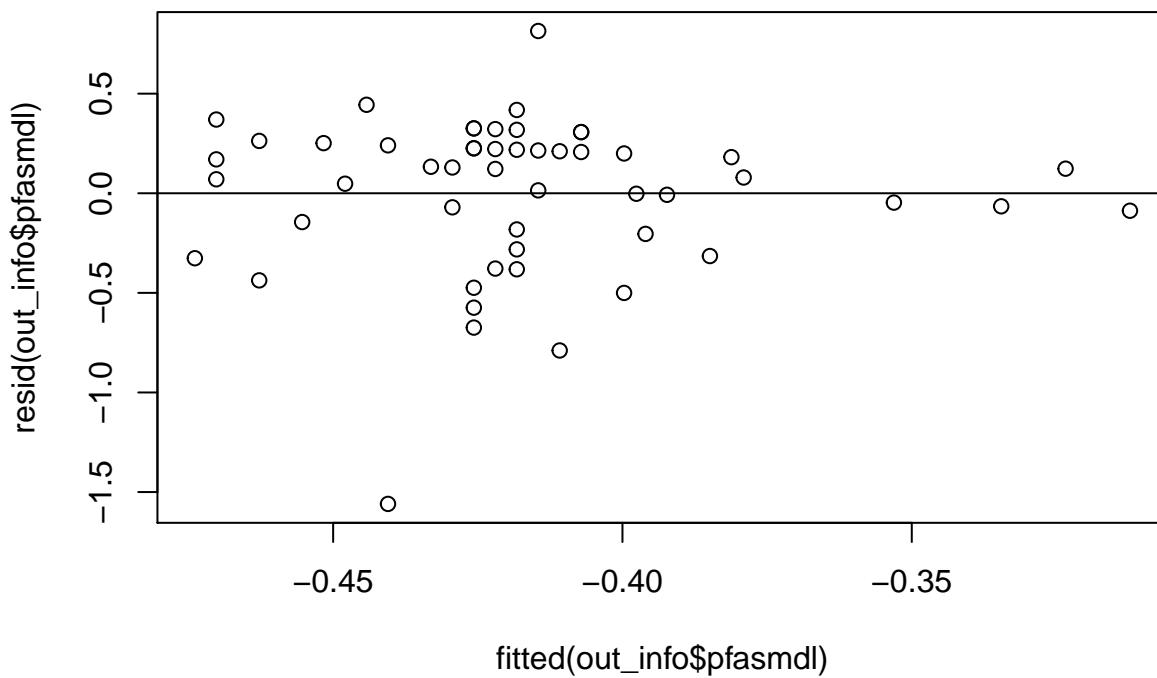
**Normal Q-Q Plot**



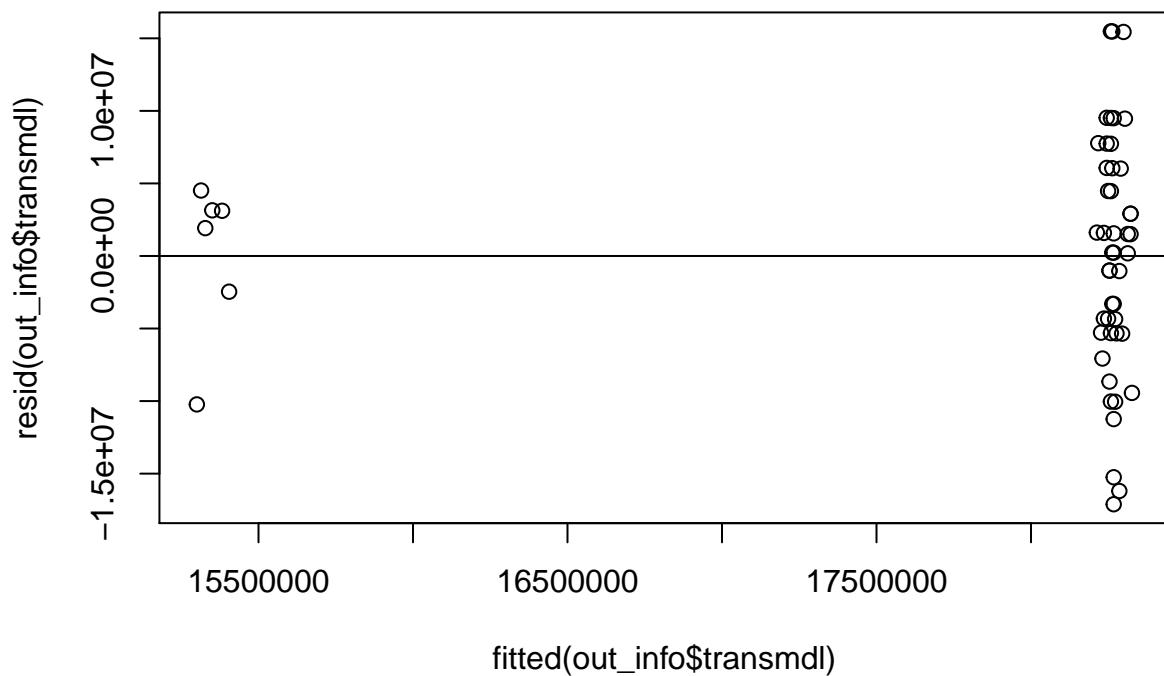
### Normal Q-Q Plot



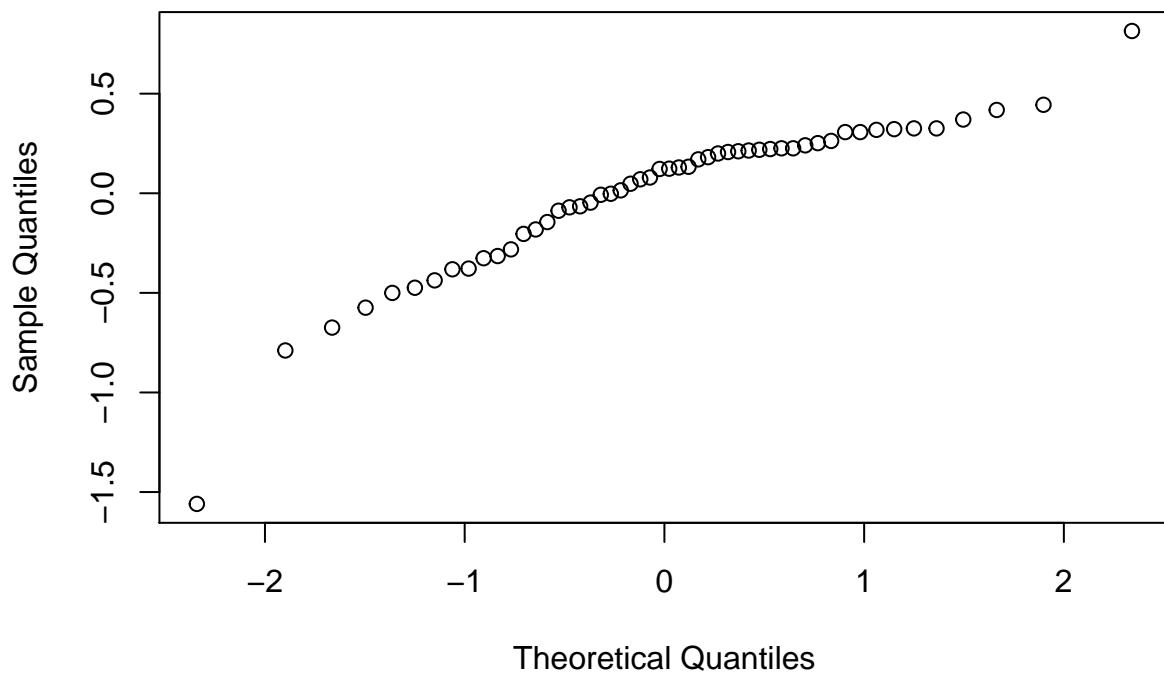
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.num.fireruns  
Plot of SmPFO\$origEthnicity



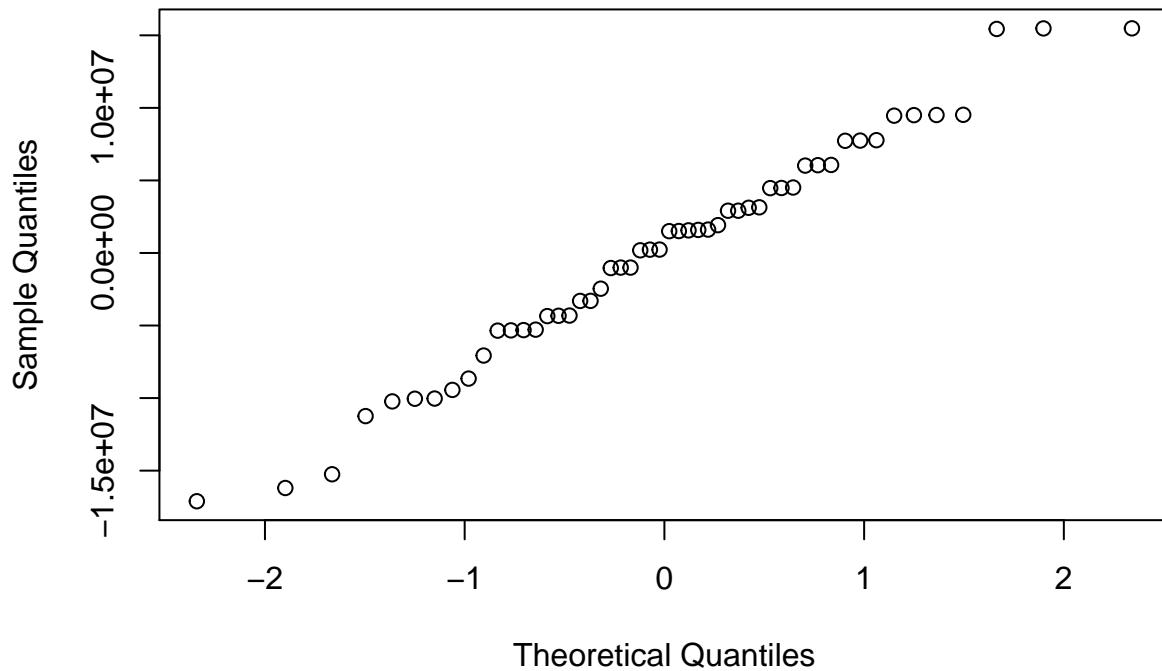
**Plot of fnPFOStrans+  
Plot of fnPFOStransstr.num.fireruns  
Plot of fnPFOStransEthnicity**



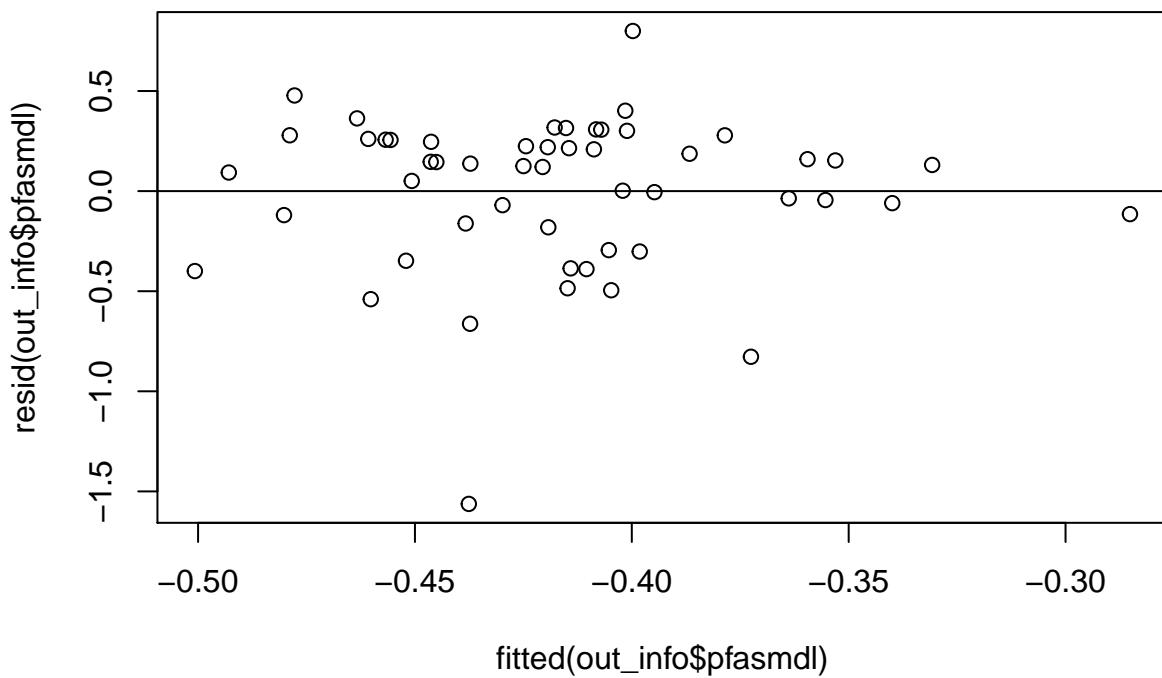
**Normal Q-Q Plot**



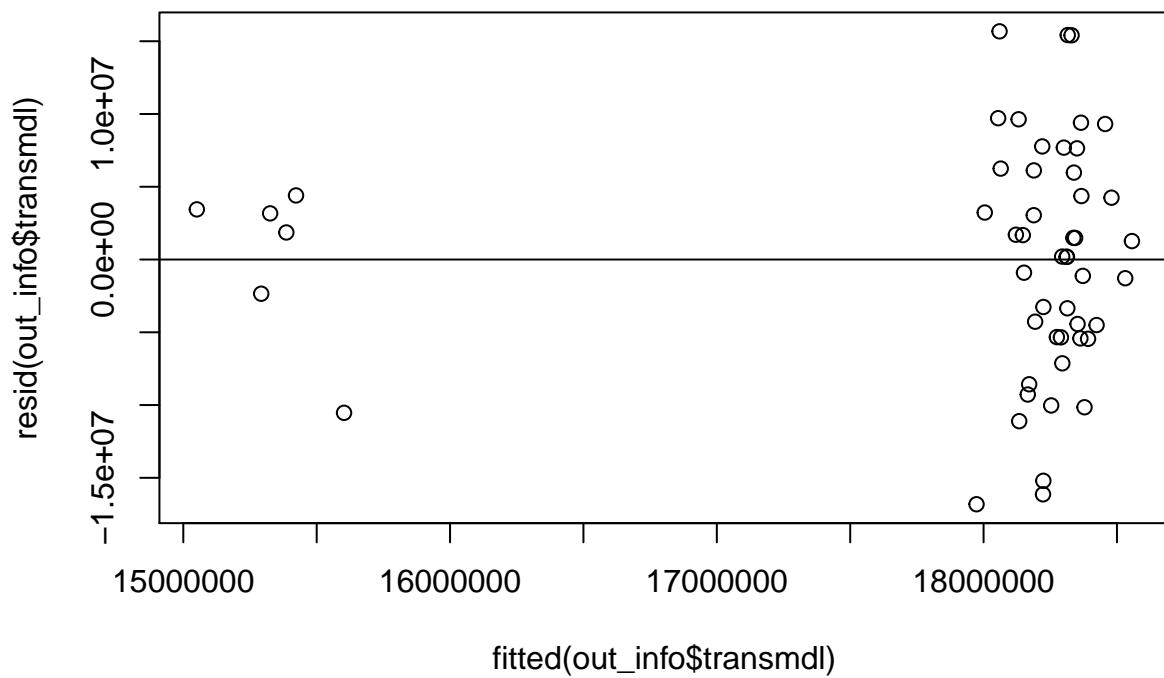
### Normal Q-Q Plot



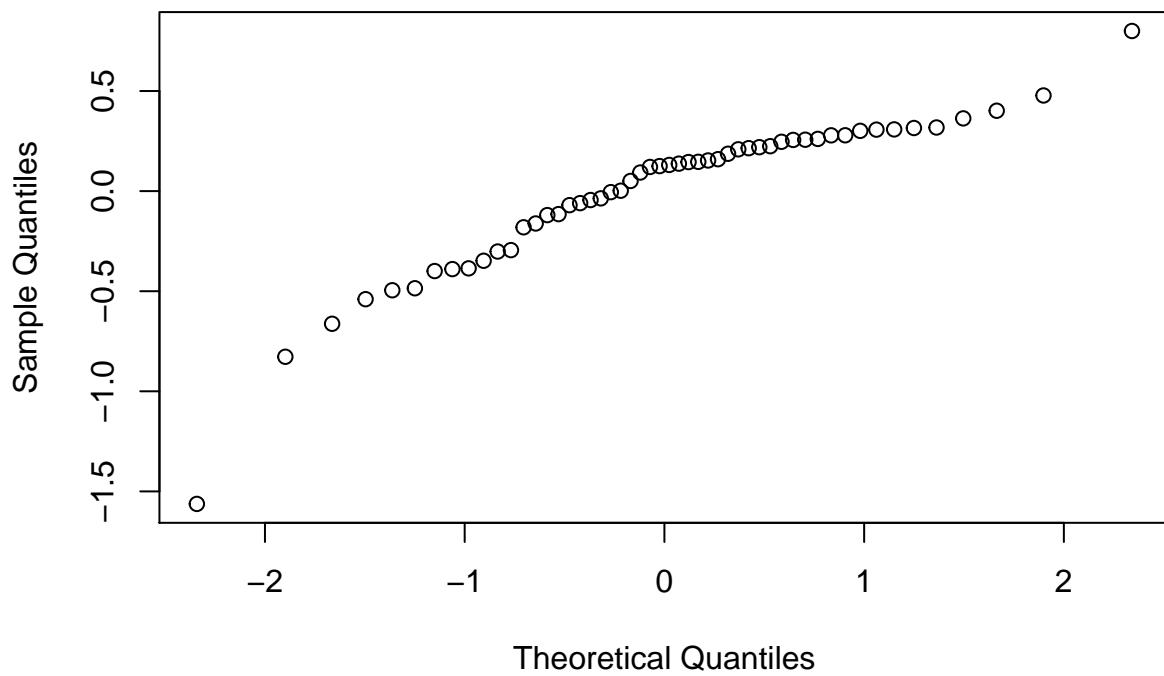
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.duration.hrs  
Plot of SmPFO\$orig\$Ethnicity**



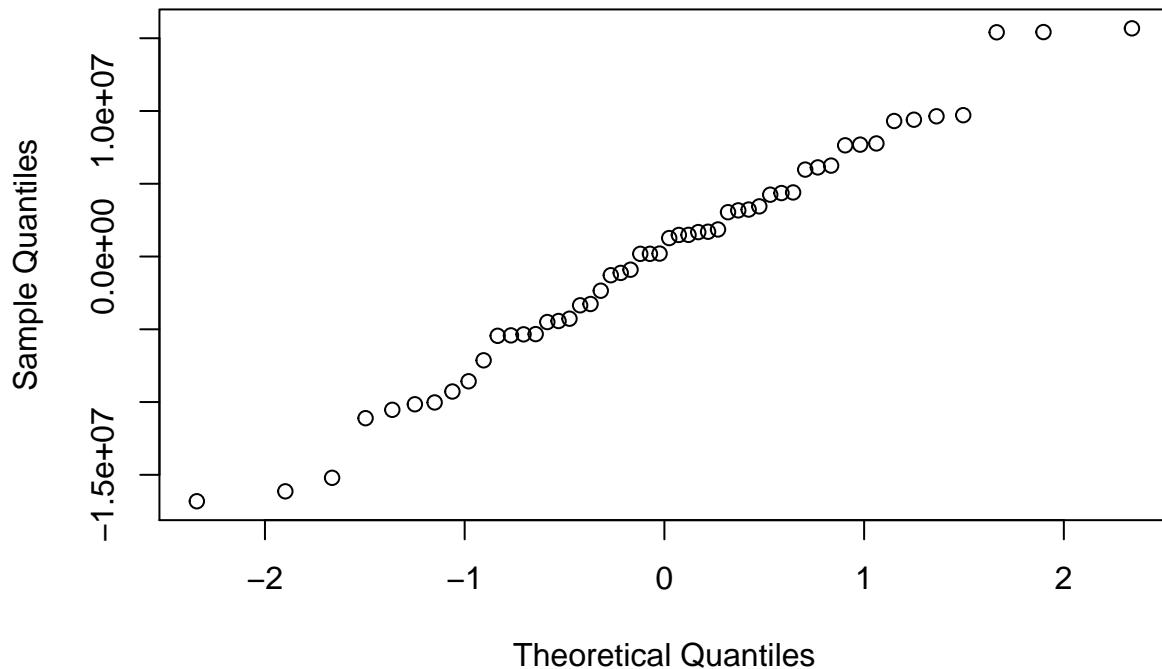
**Plot of fnPFOStrans+  
Plot of fnPFOStranstotal.duration.hrs  
Plot of fnPFOStransEthnicity**



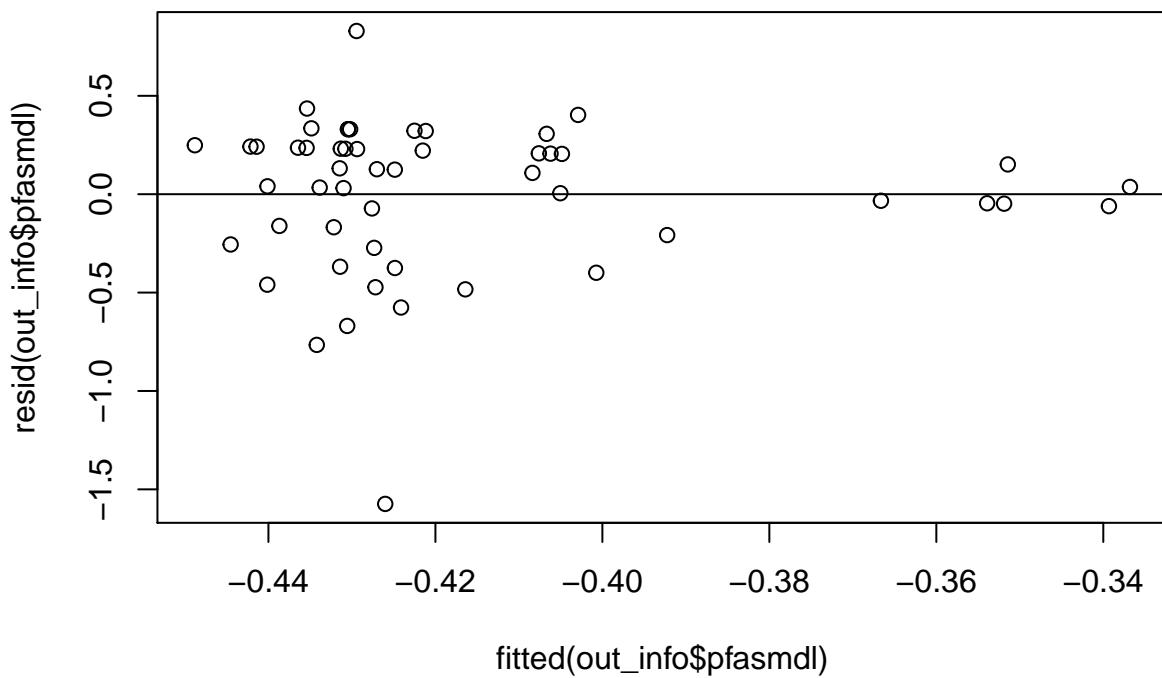
**Normal Q-Q Plot**



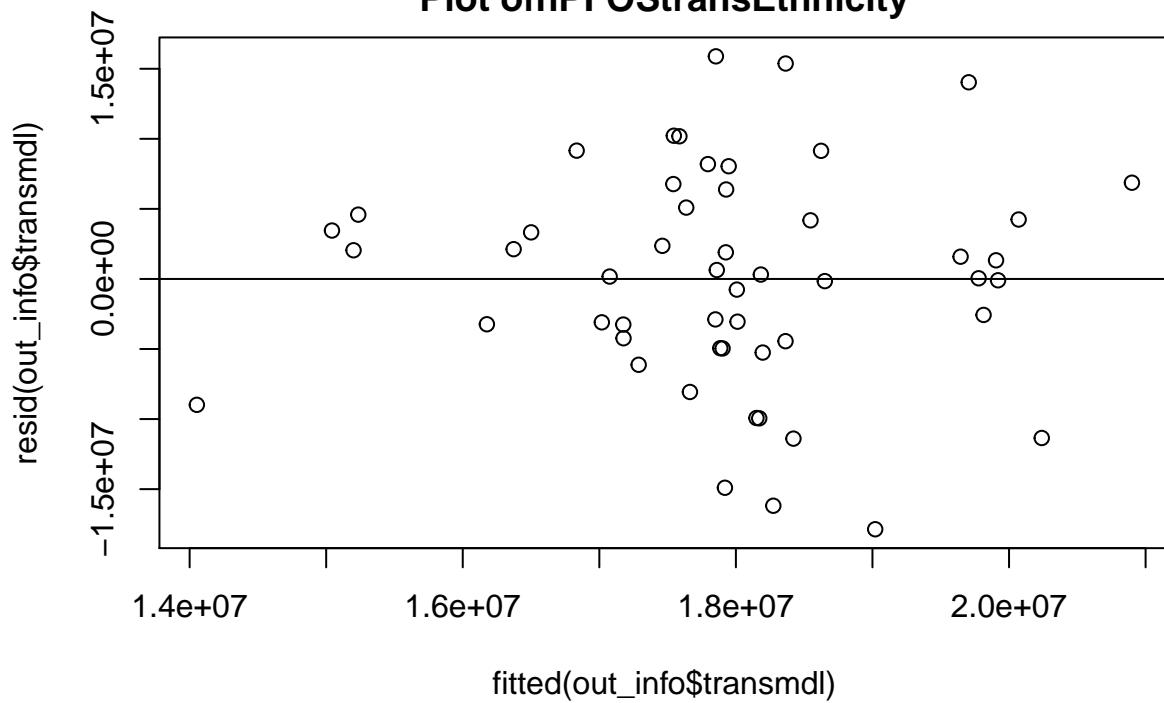
### Normal Q-Q Plot



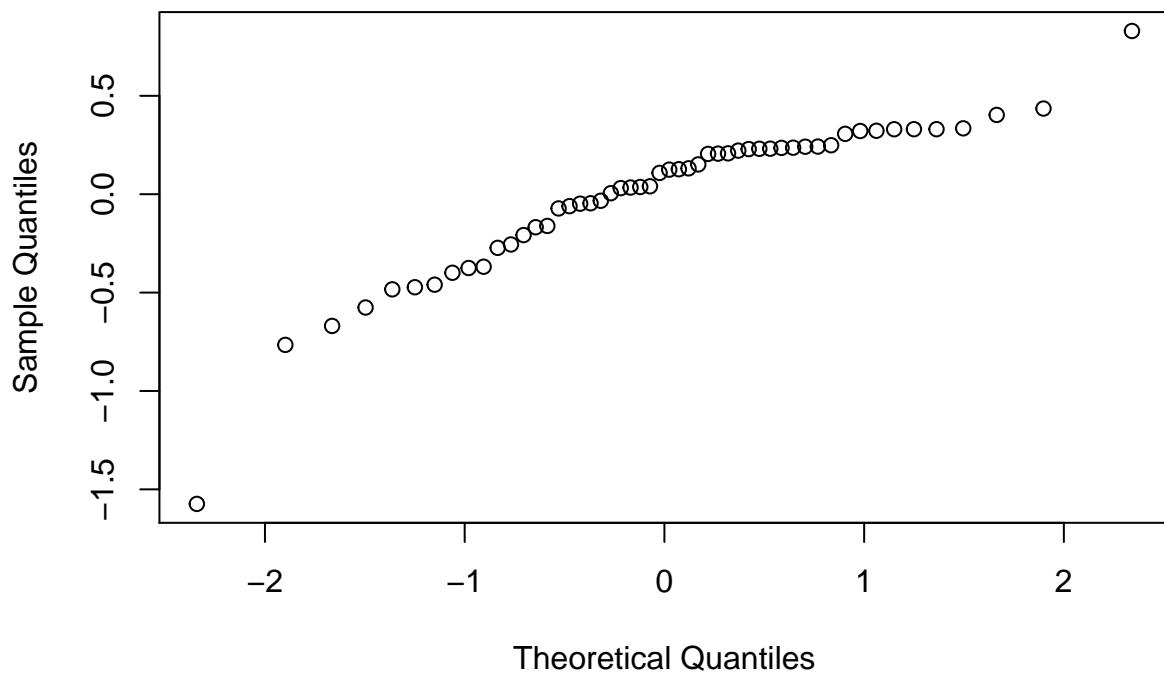
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.duration.hrs  
Plot of SmPFO\$origEthnicity



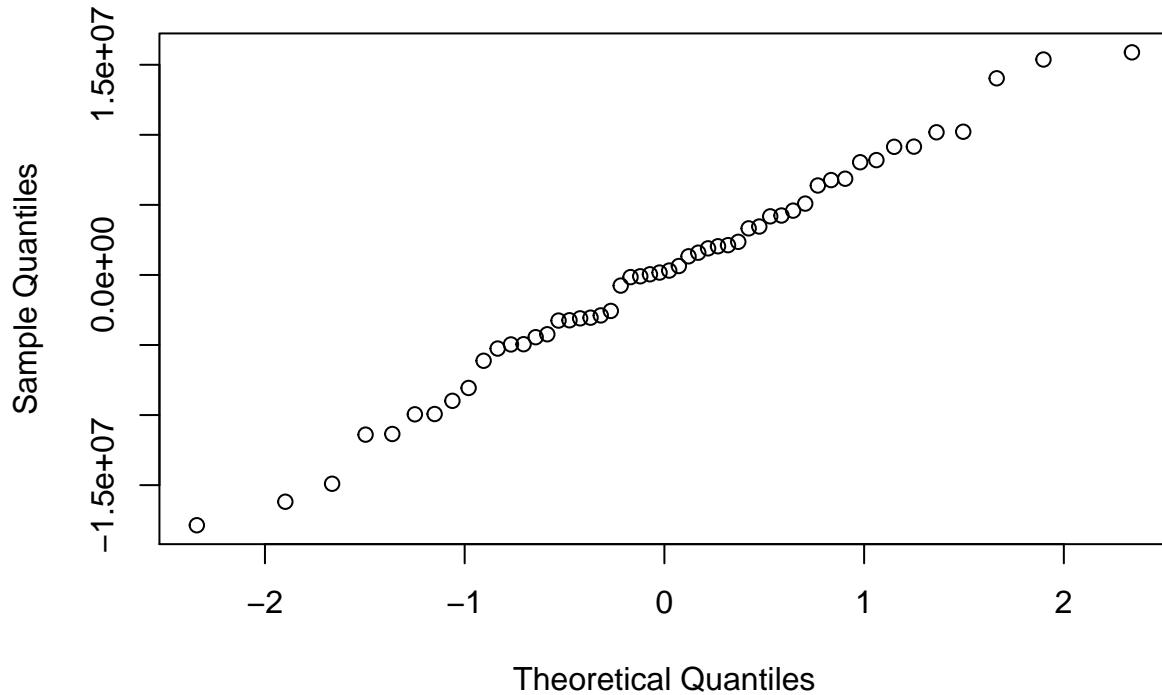
**Plot of nPFOStrans+  
Plot of nPFOStransstr.duration.hrs  
Plot of nPFOStransEthnicity**



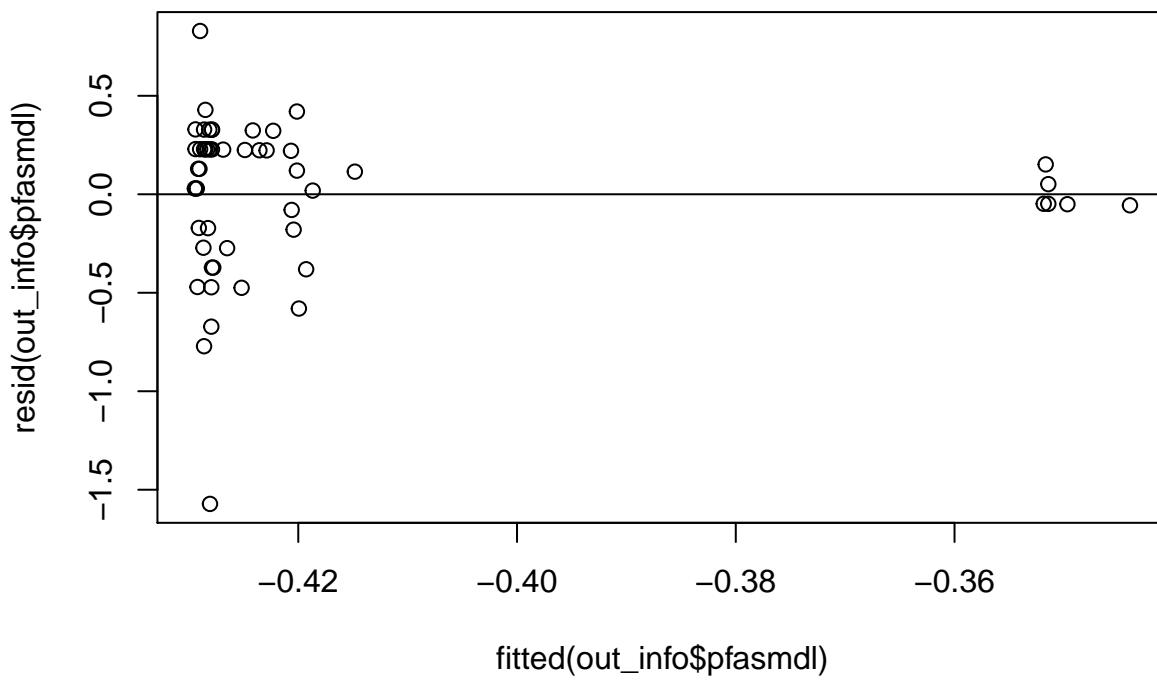
**Normal Q-Q Plot**



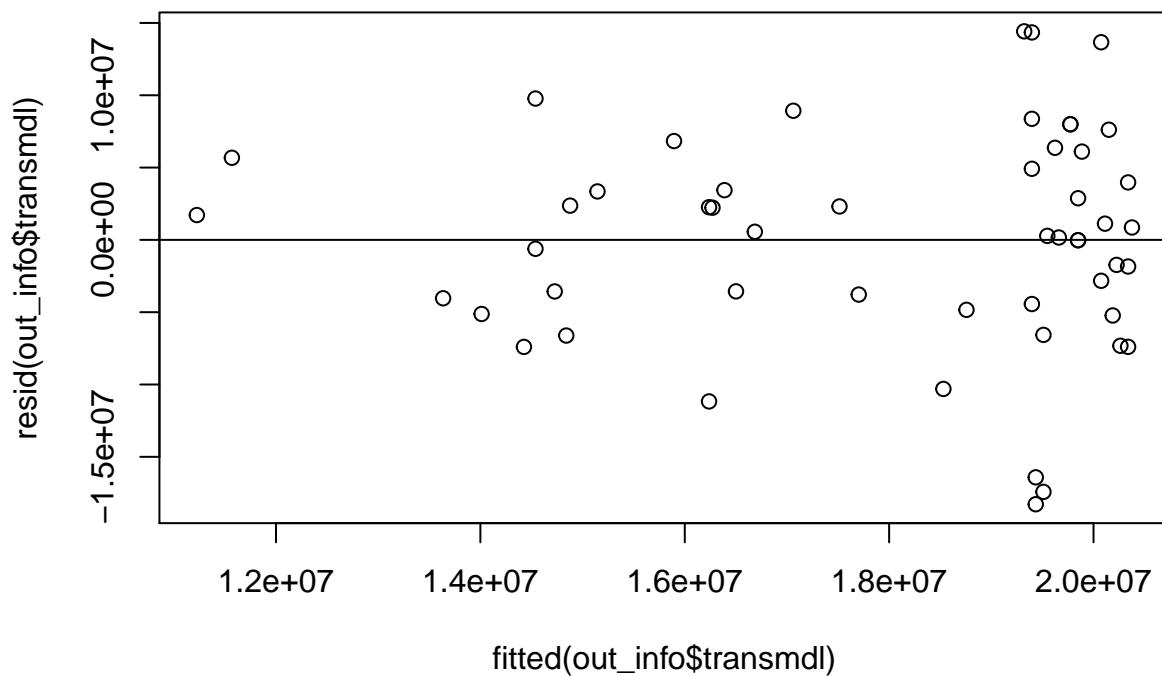
### Normal Q-Q Plot



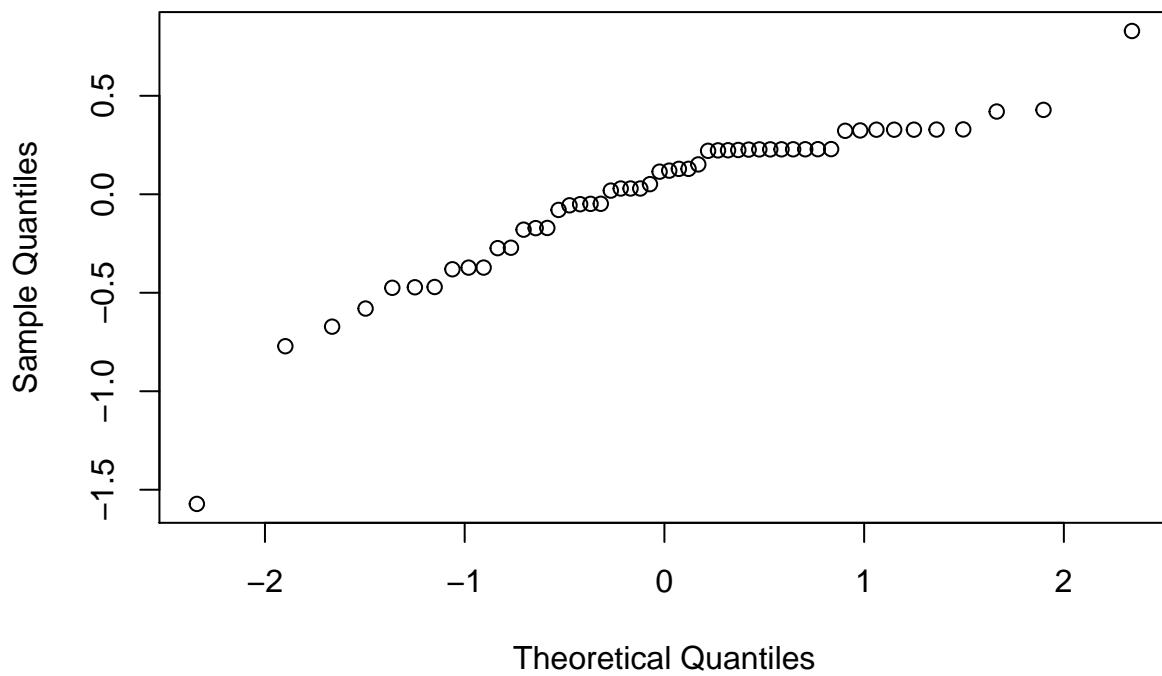
**Plot of SmPFO\$orig +  
Plot of SmPFO\$origdays.since.MRF  
Plot of SmPFO\$origEthnicity**



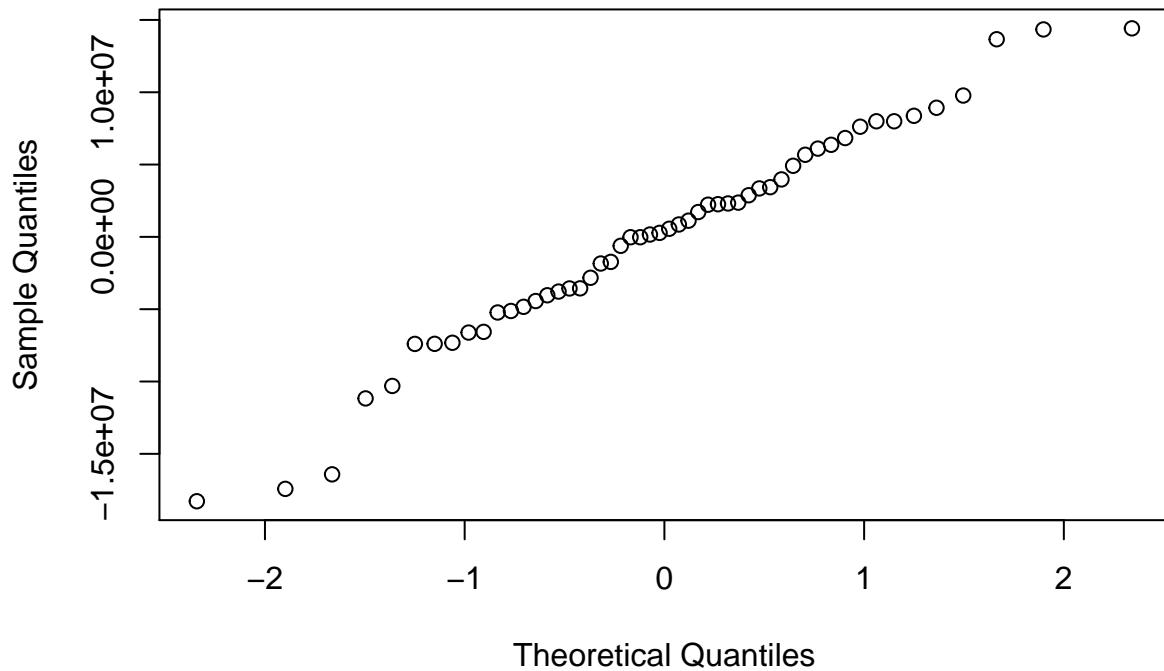
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.MRF  
Plot of fnPFOStransEthnicity**



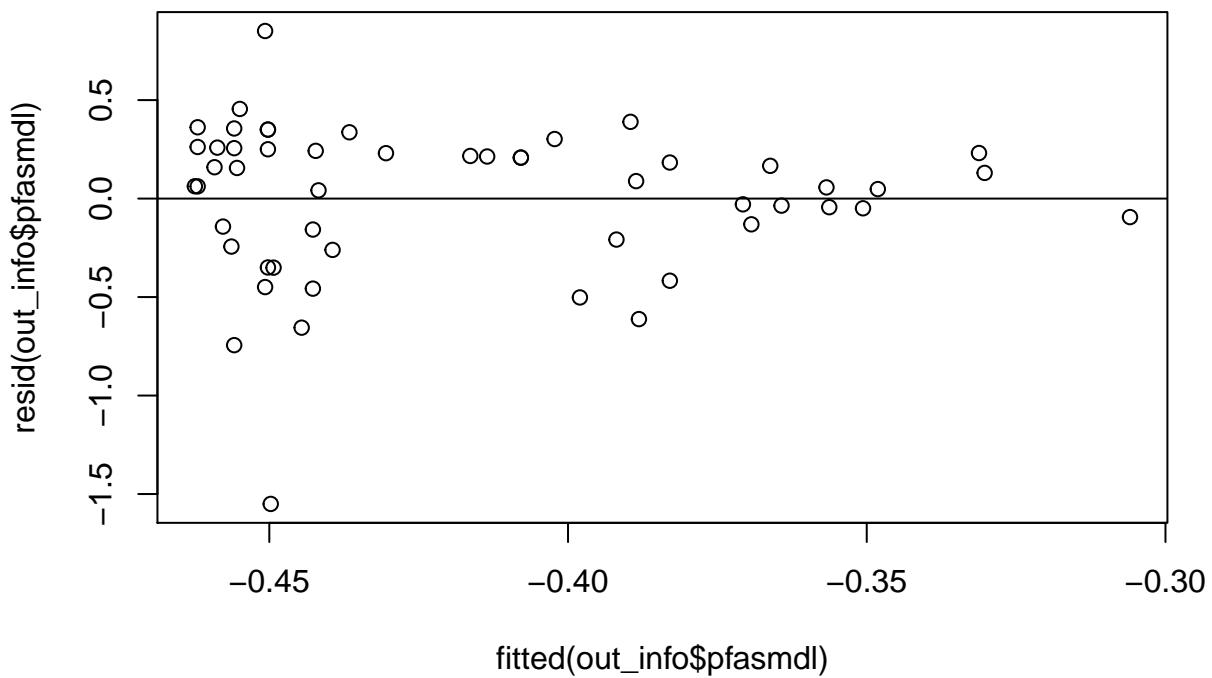
**Normal Q-Q Plot**



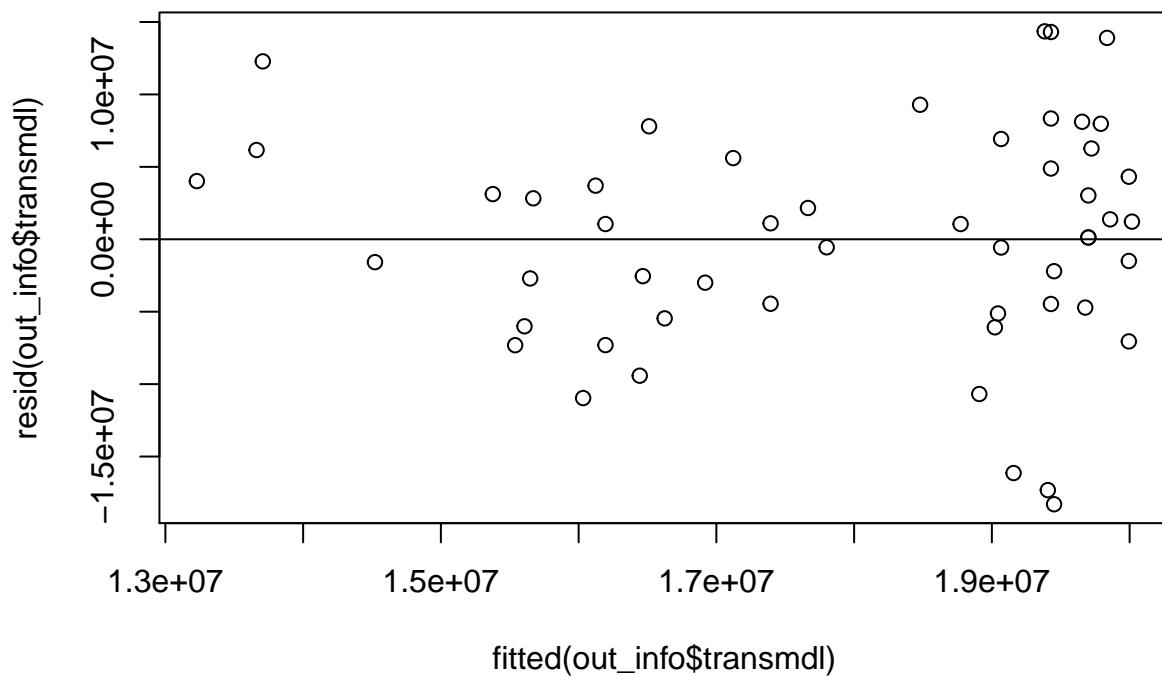
### Normal Q-Q Plot



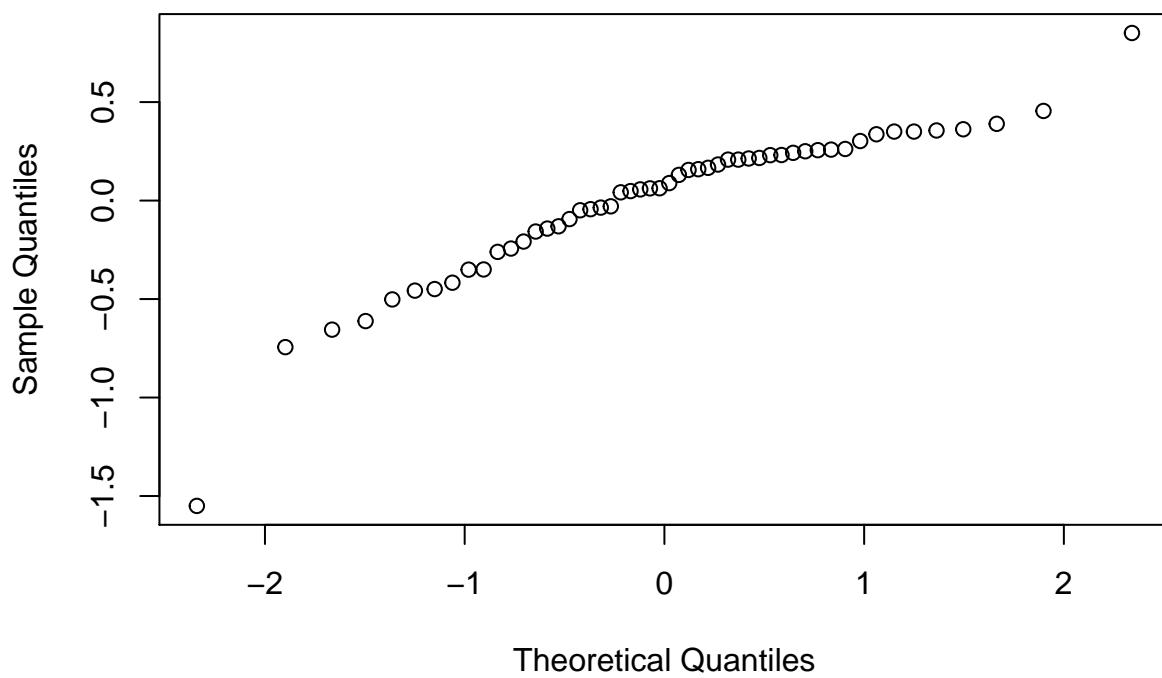
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.struc.MRF  
Plot of SmPFO\$origEthnicity



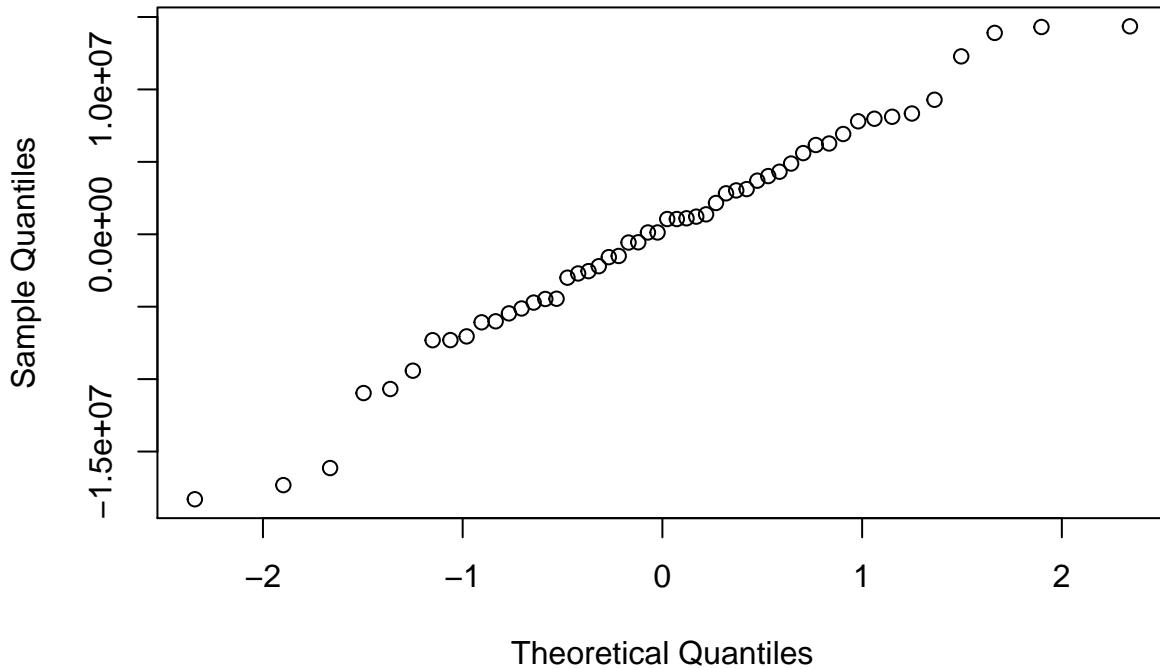
**Plot of fnPFOStrans+  
Plot of fnPFOStransdays.since.struc.MRF  
Plot of fnPFOStransEthnicity**



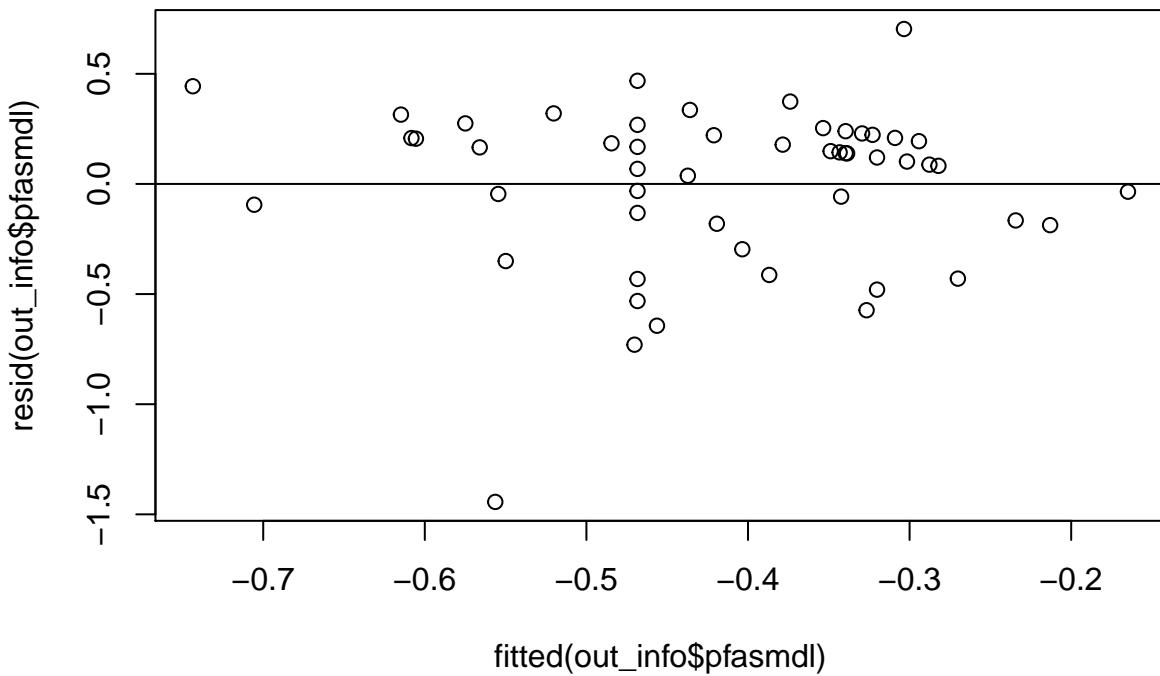
**Normal Q-Q Plot**



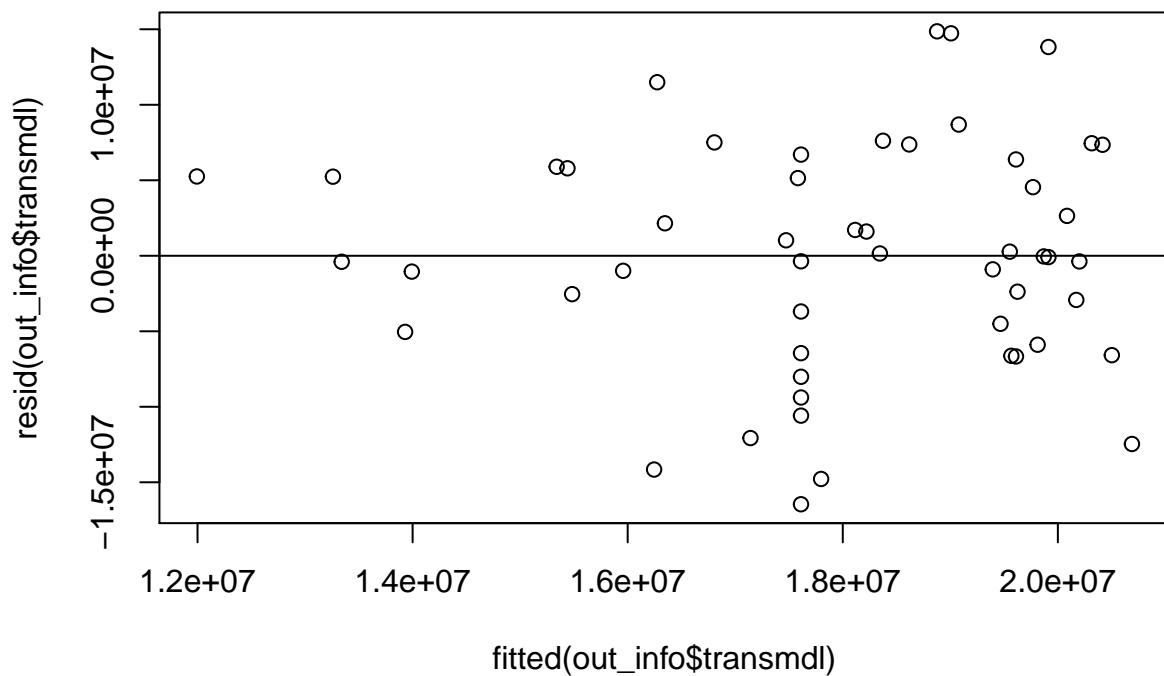
### Normal Q-Q Plot



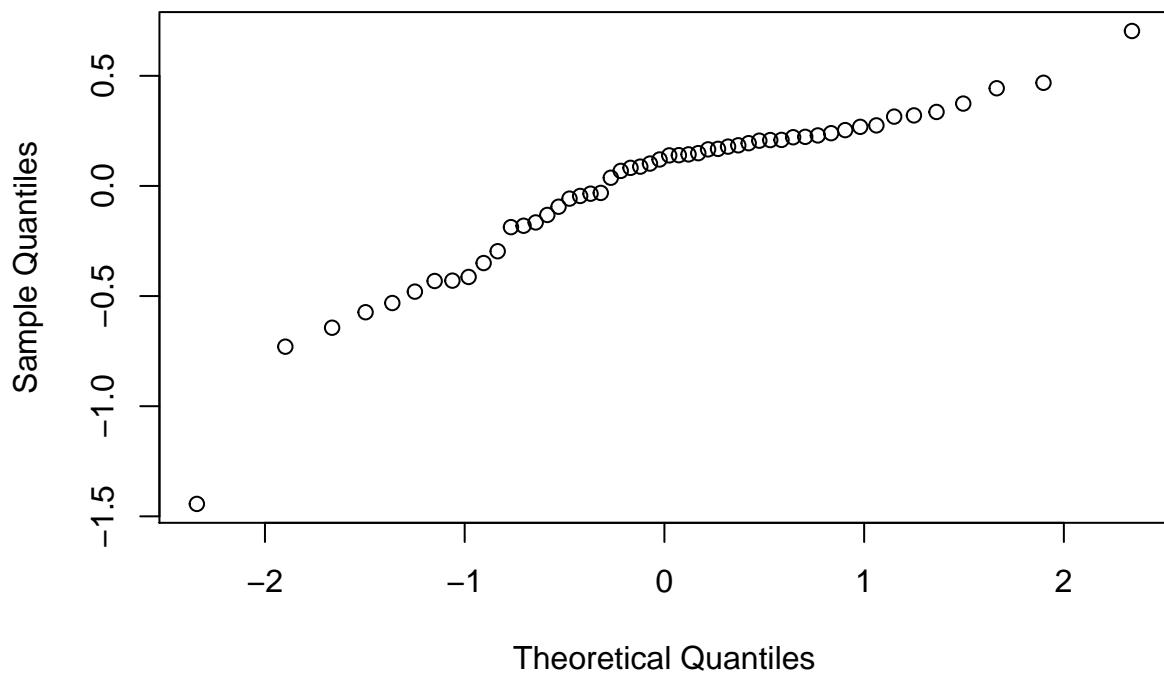
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$time.since.baseline  
Plot of SmPFO\$orig\$Ethnicity



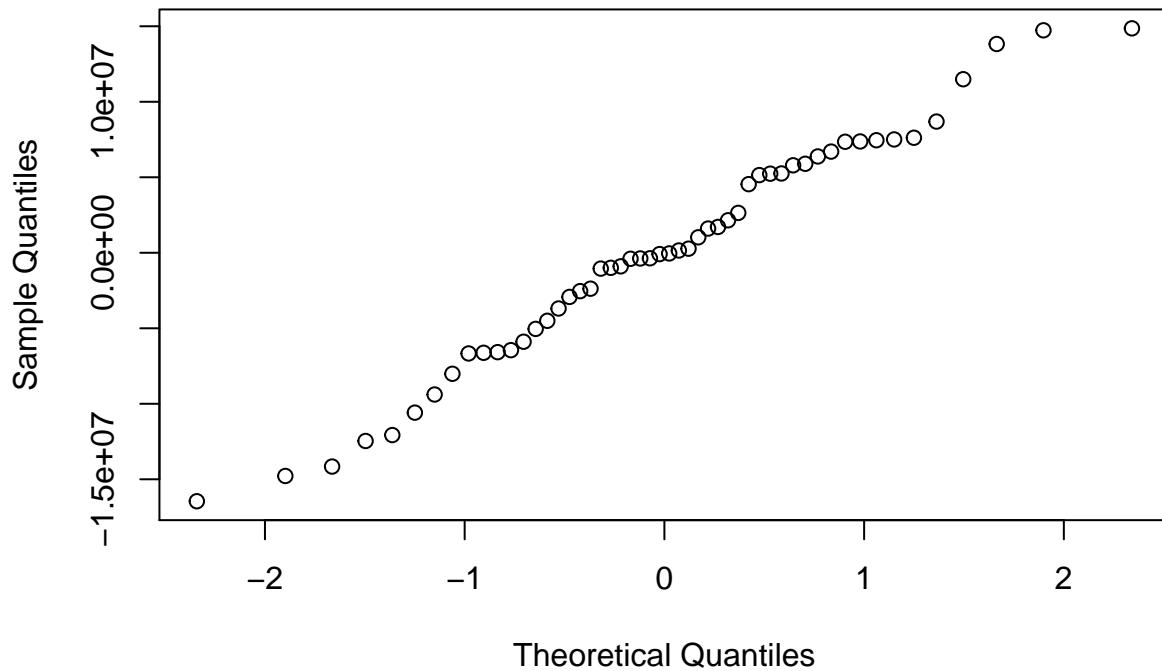
**Plot of fnPFOStrans+  
Plot of fnPFOStranstime.since.baseline  
Plot of fnPFOStransEthnicity**



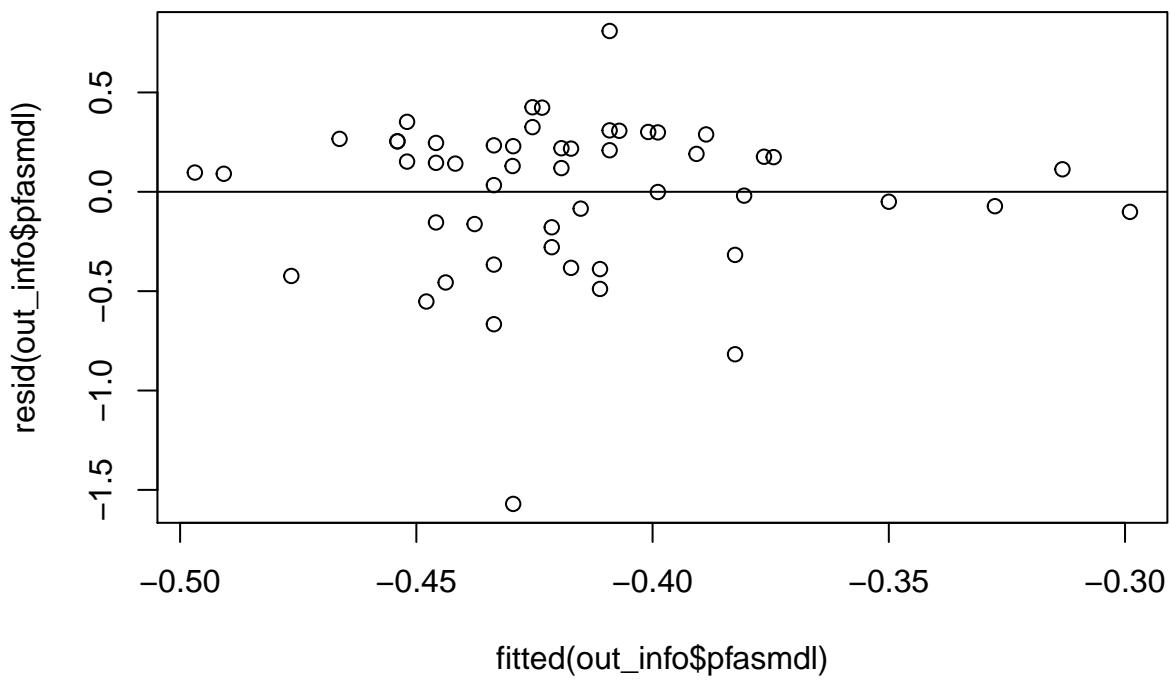
**Normal Q-Q Plot**



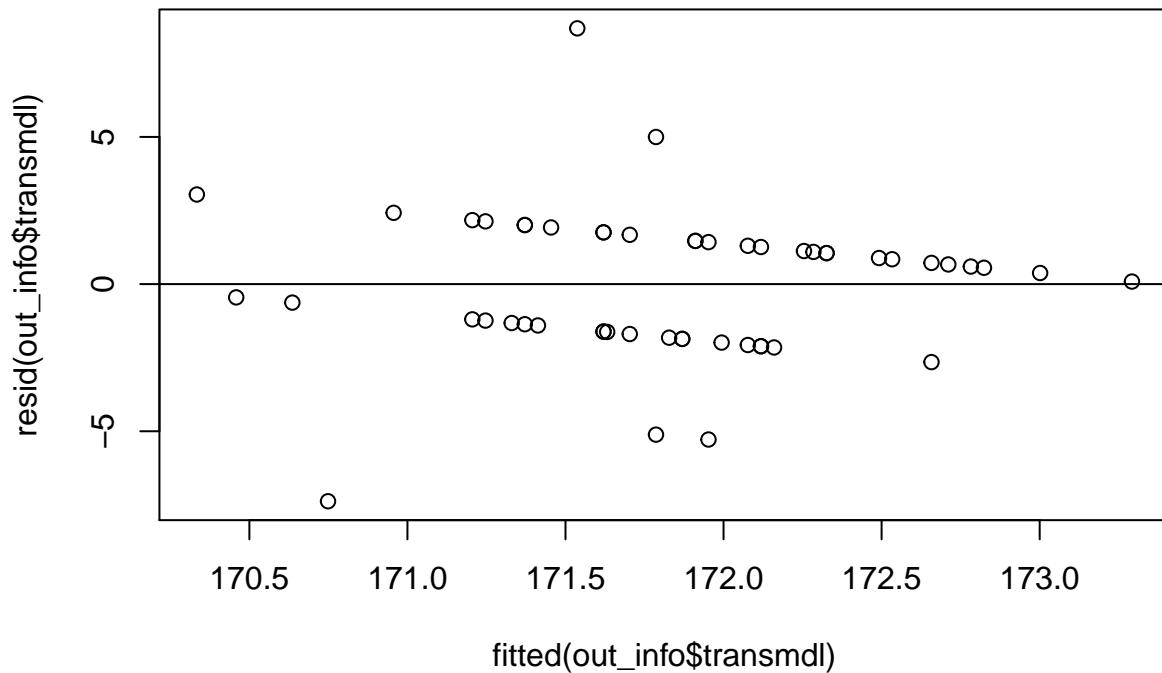
### Normal Q-Q Plot



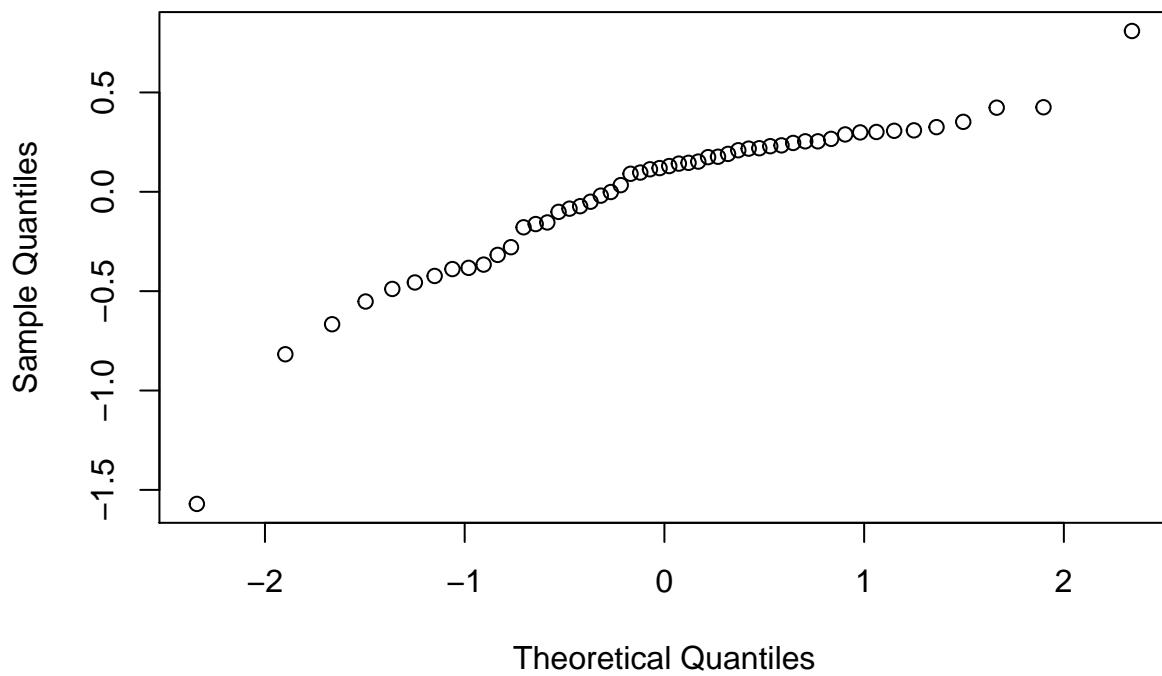
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity**



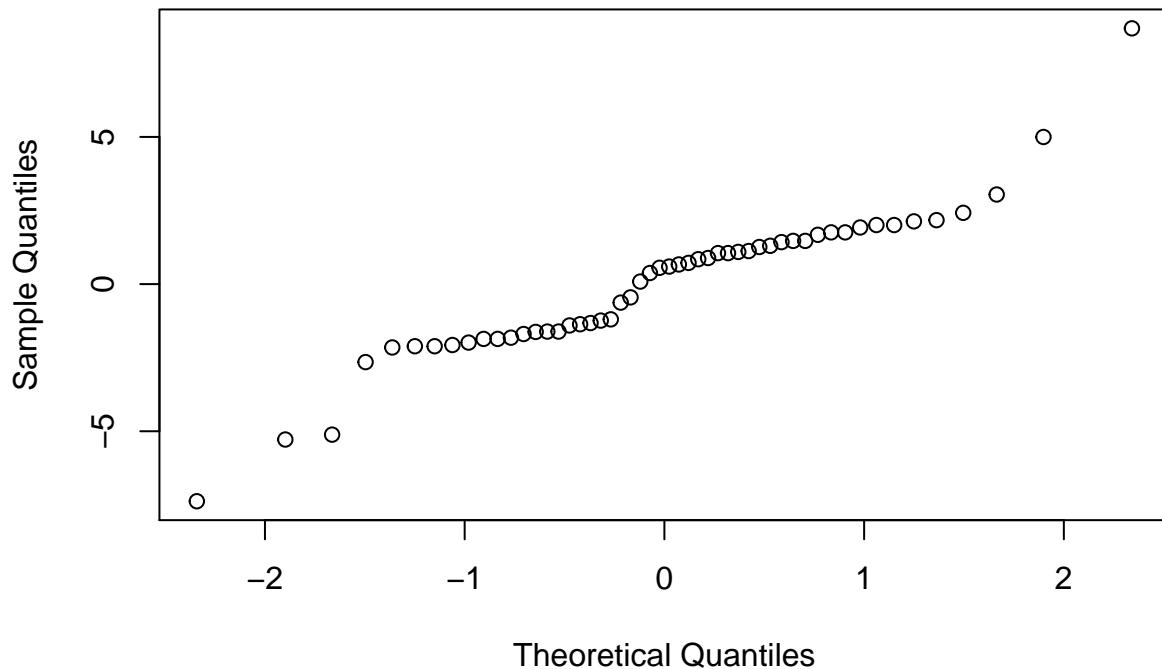
**Plot of PFDEAtrans+  
Plot of PFDEAtranstotal.num.fireruns  
Plot of PFDEAtransEthnicity**



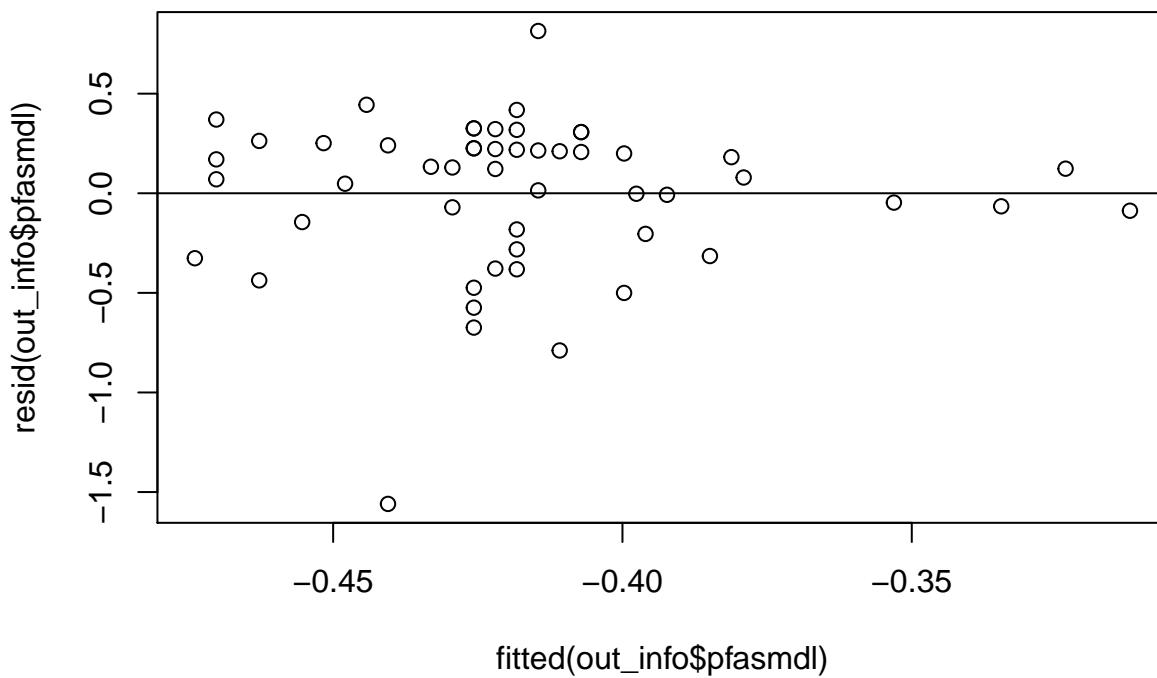
**Normal Q-Q Plot**



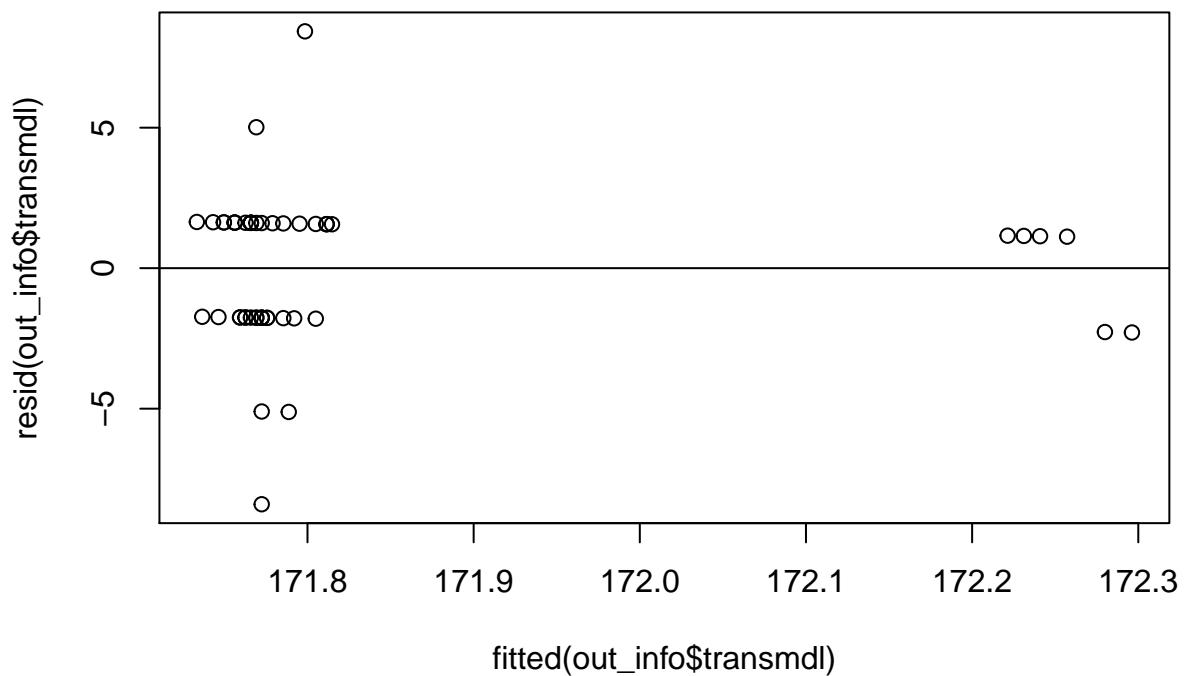
### Normal Q-Q Plot



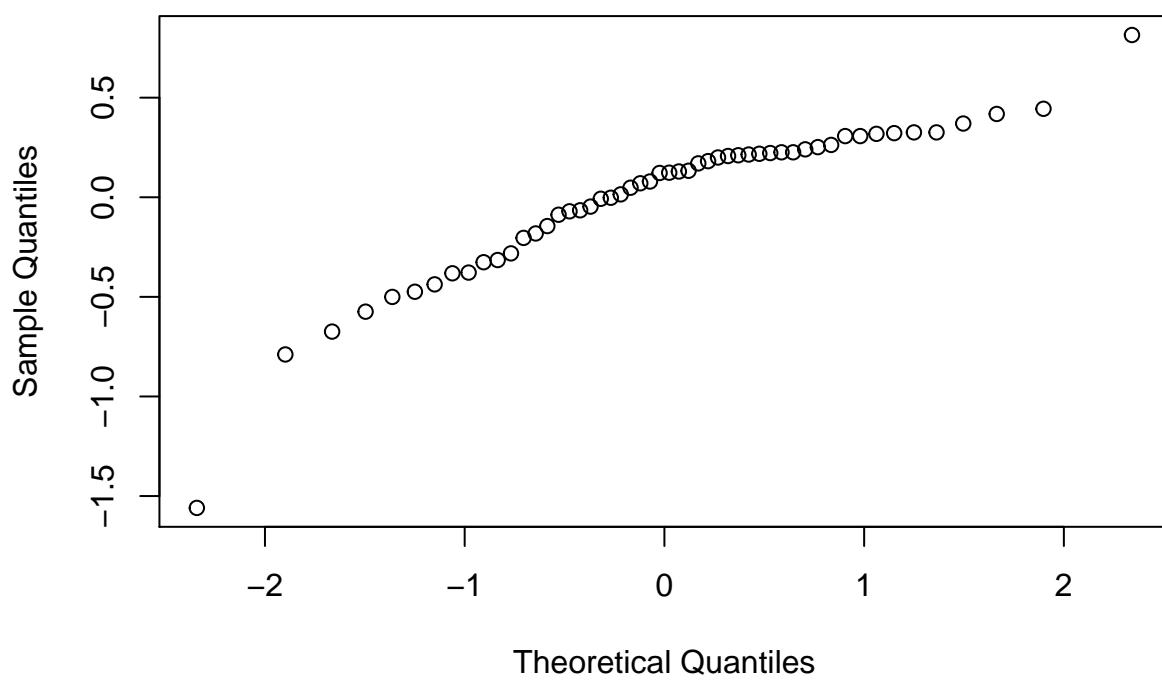
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.num.fireruns  
Plot of SmPFO\$origEthnicity



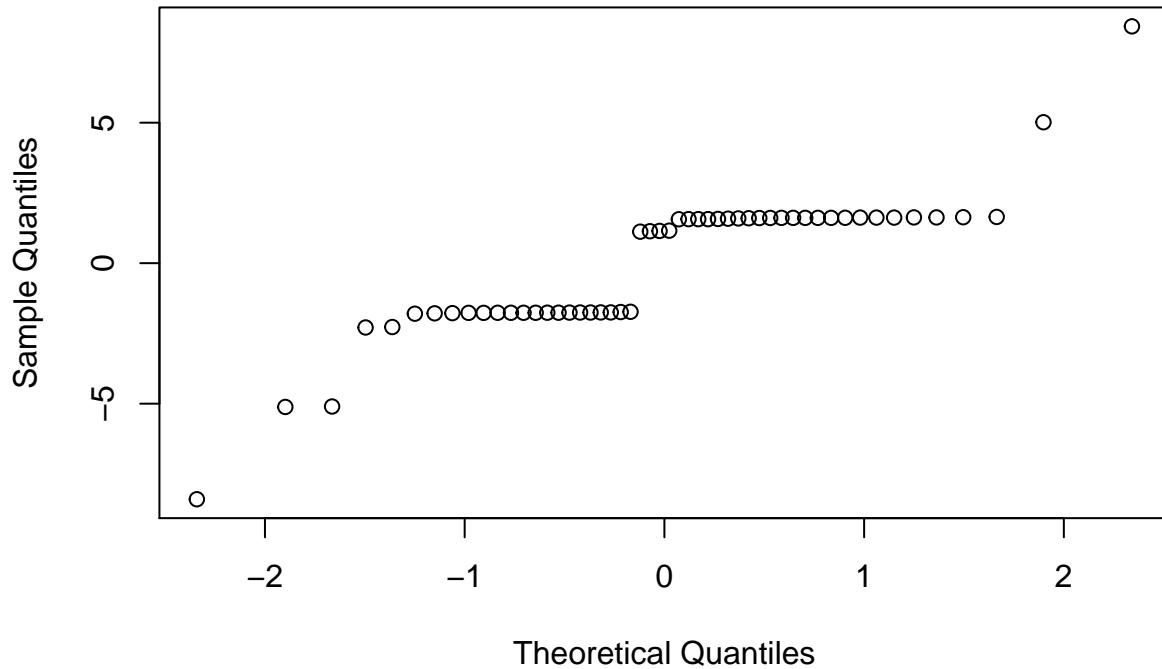
**Plot of PFDEAtrans+  
Plot of PFDEAtransstr.num.fireruns  
Plot of PFDEAtransEthnicity**



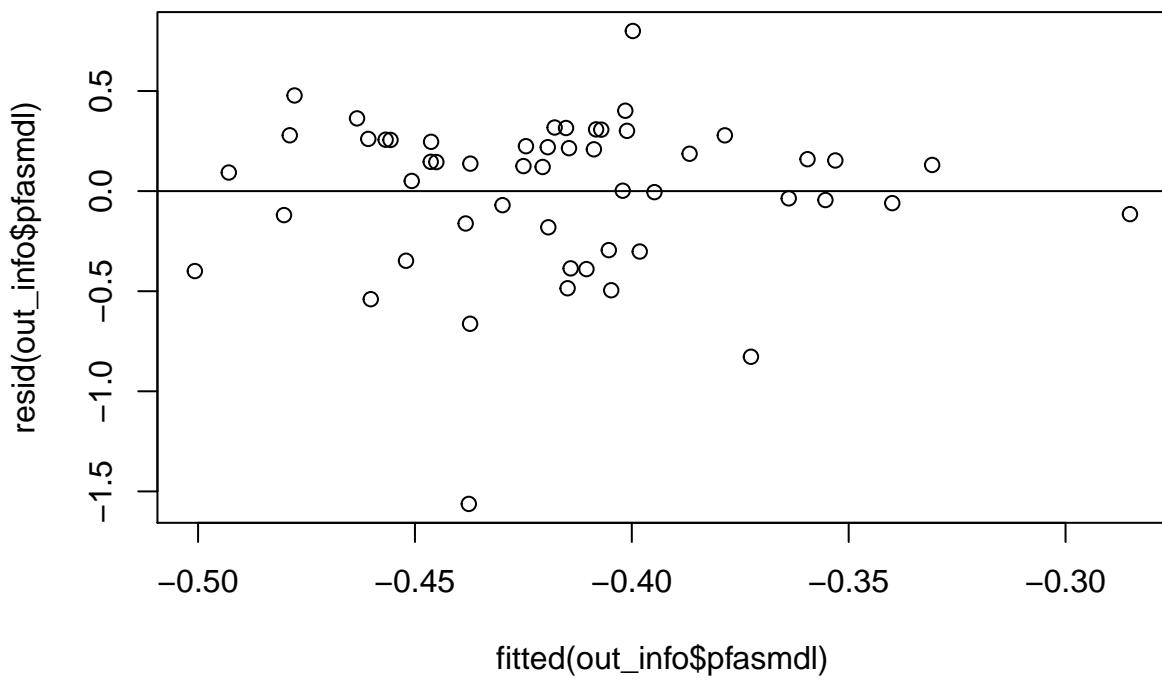
**Normal Q-Q Plot**



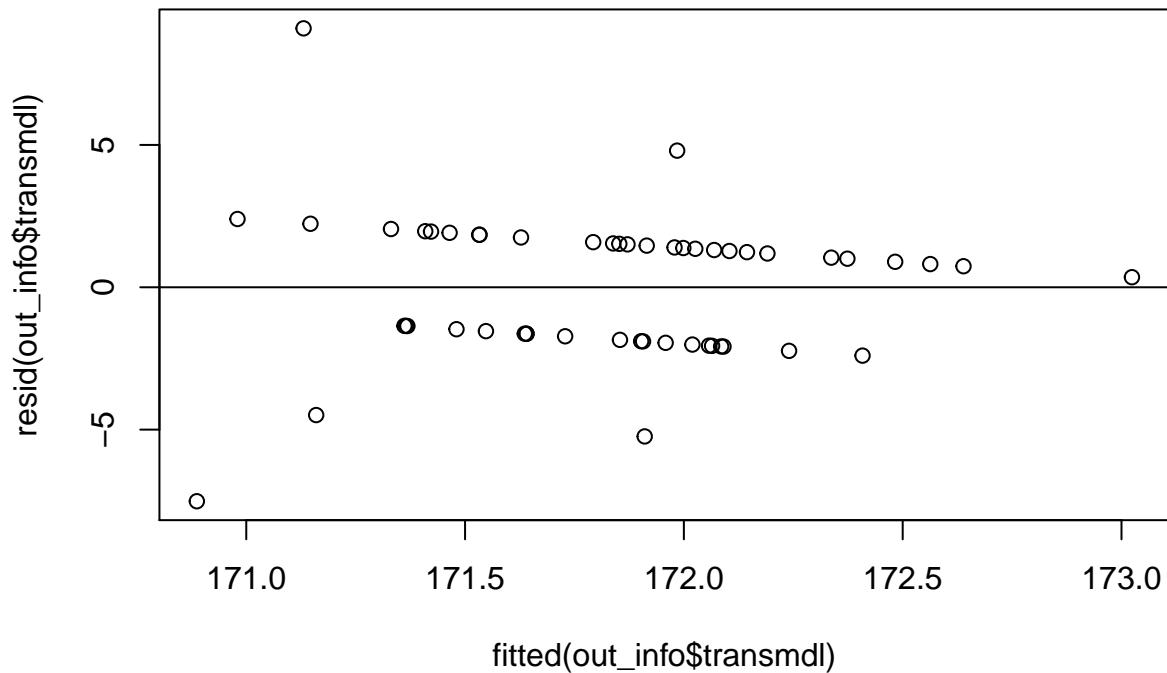
### Normal Q-Q Plot



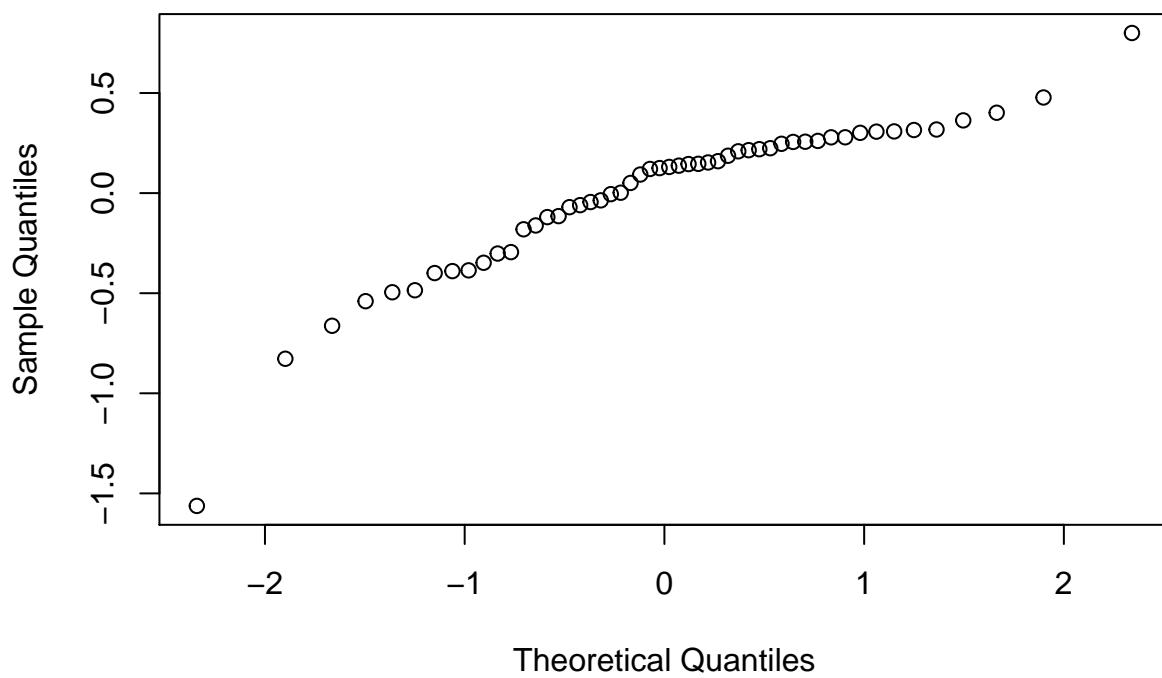
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$total.duration.hrs  
Plot of SmPFO\$orig\$Ethnicity



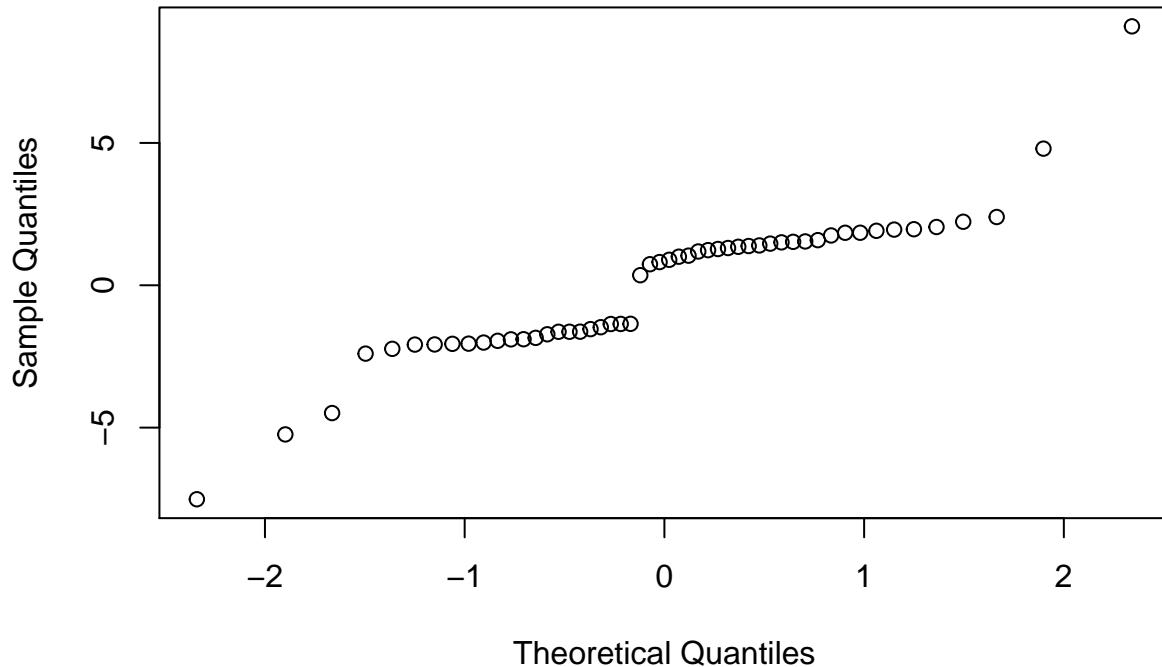
**Plot of PFDEAtrans+  
Plot of PFDEAtran\$total.duration.hrs  
Plot of PFDEAtrans\$Ethnicity**



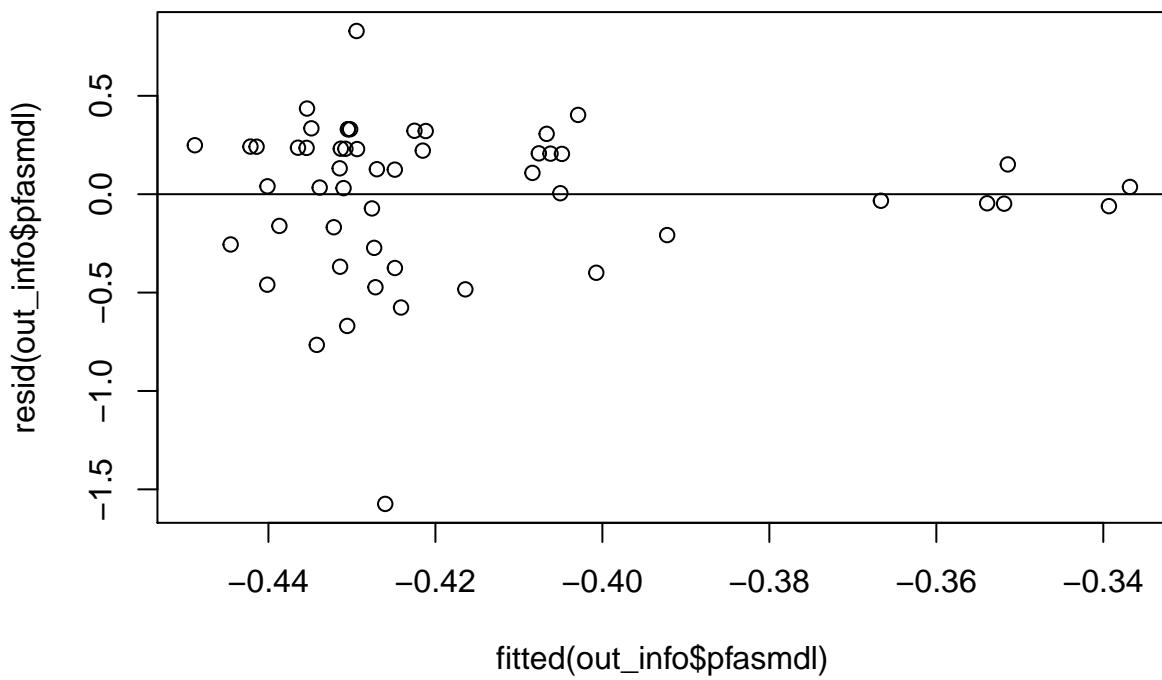
**Normal Q-Q Plot**



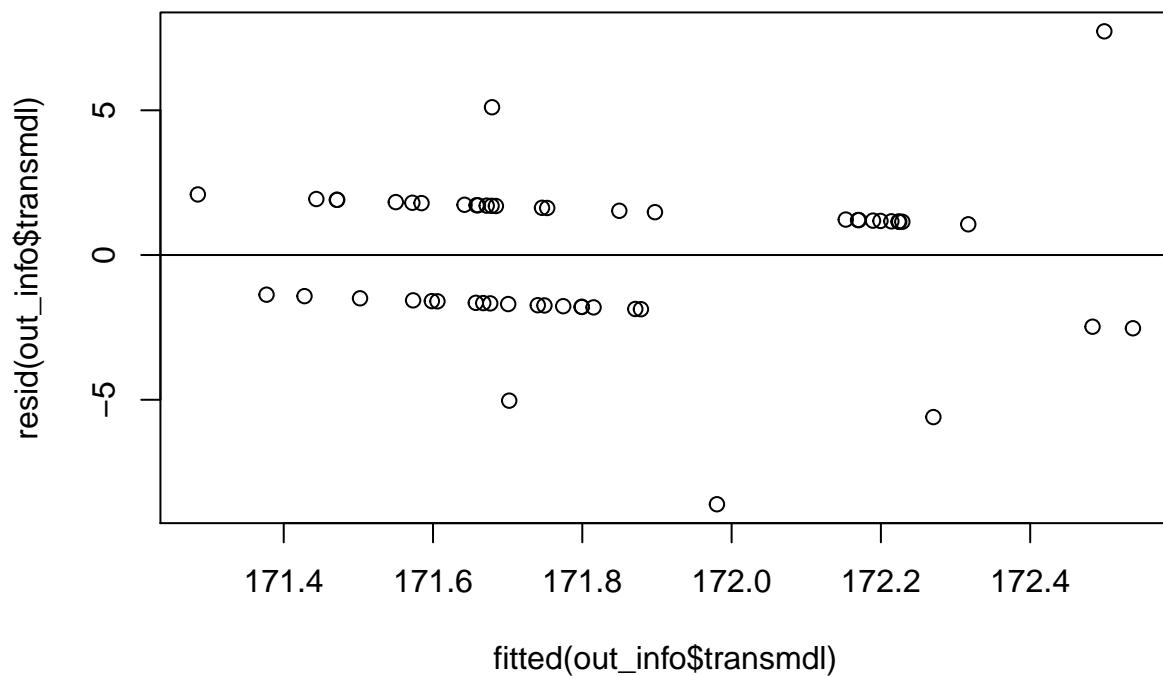
### Normal Q-Q Plot



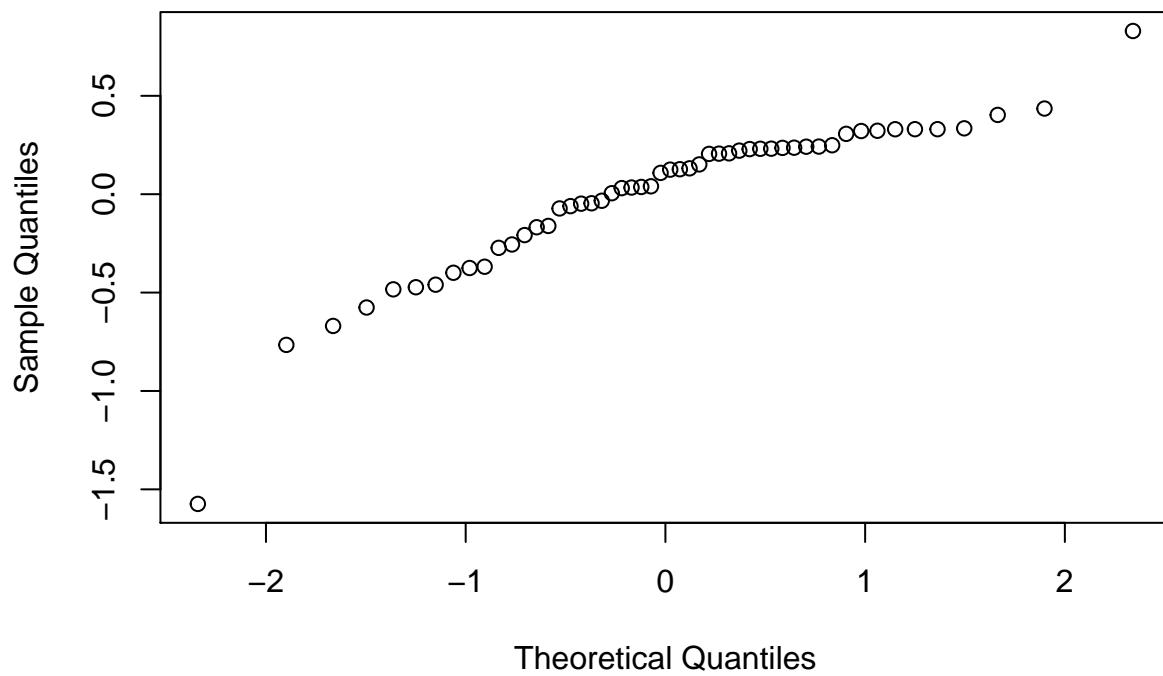
**Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.duration.hrs  
Plot of SmPFO\$origEthnicity**



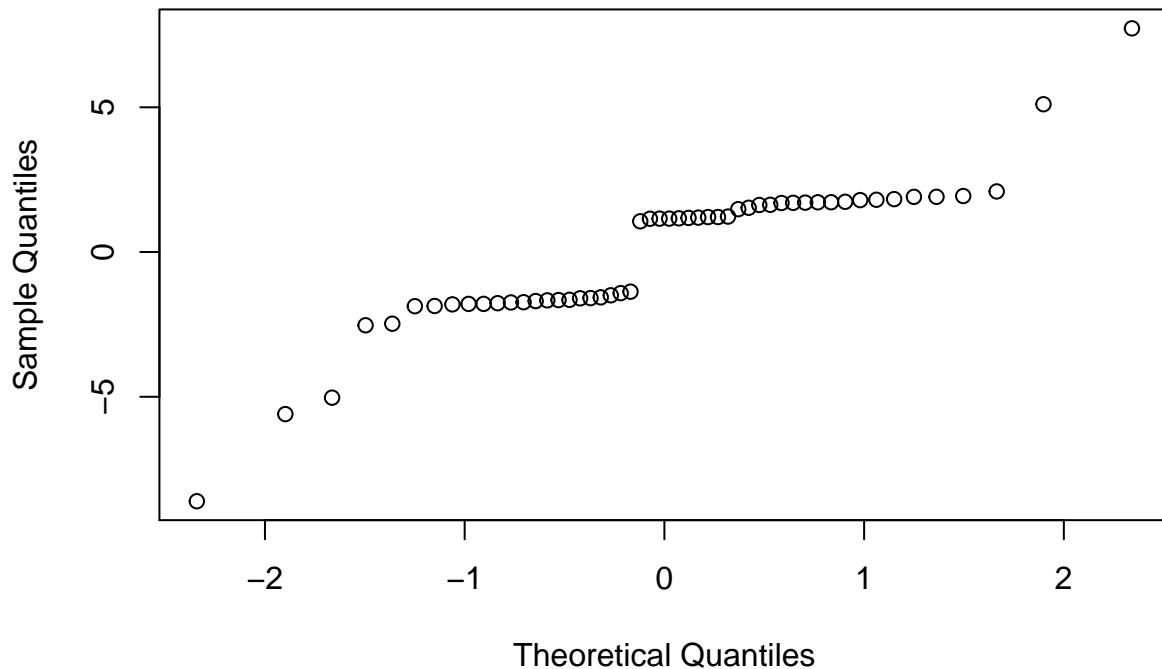
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Plot of PFDEAtransstr.duration.hrs  
Plot of PFDEAtransEthnicity**



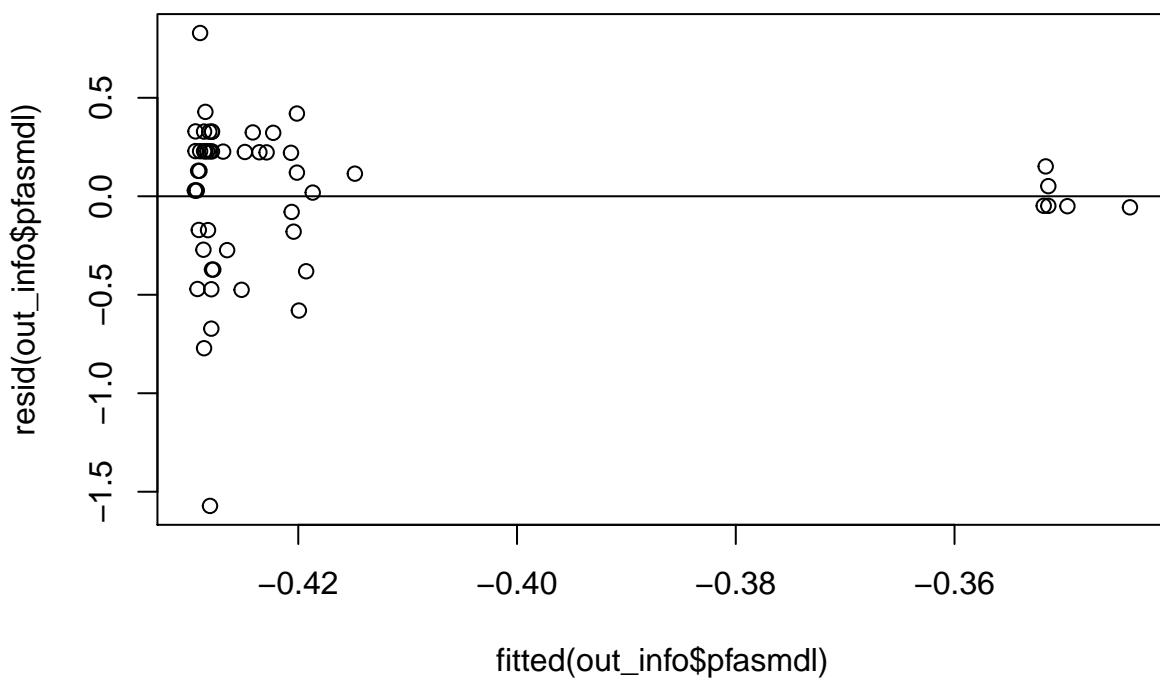
**Normal Q-Q Plot**



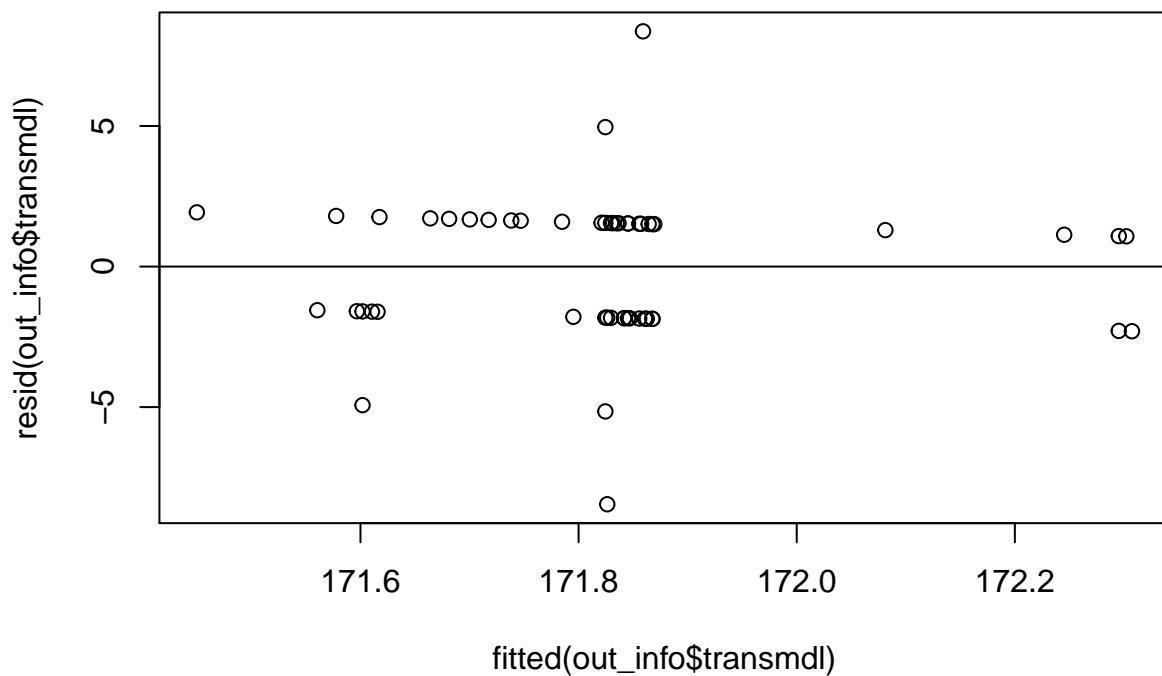
### Normal Q-Q Plot



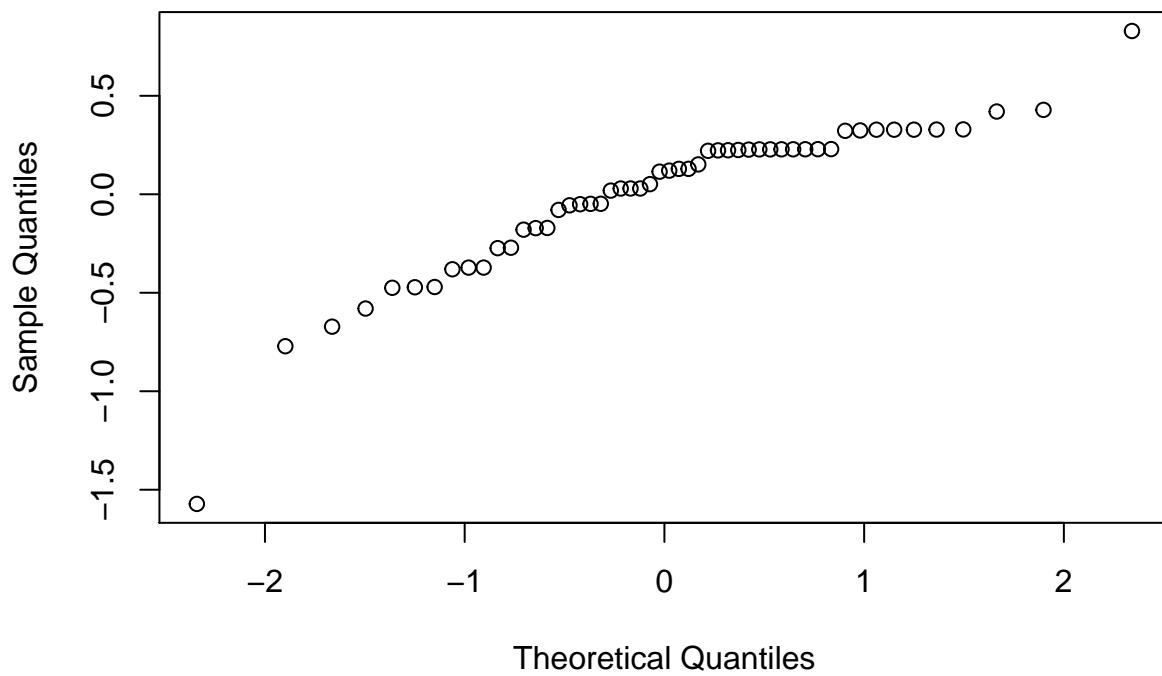
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.MRF  
Plot of SmPFO\$origEthnicity



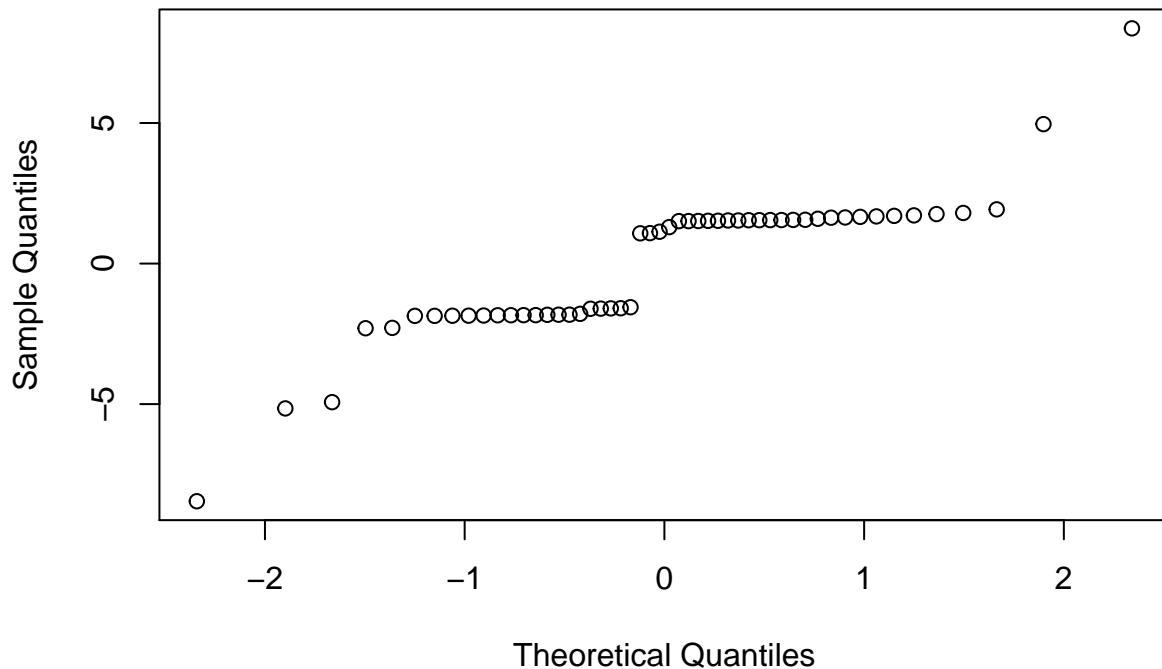
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.MRF  
Plot of PFDEAtransEthnicity**



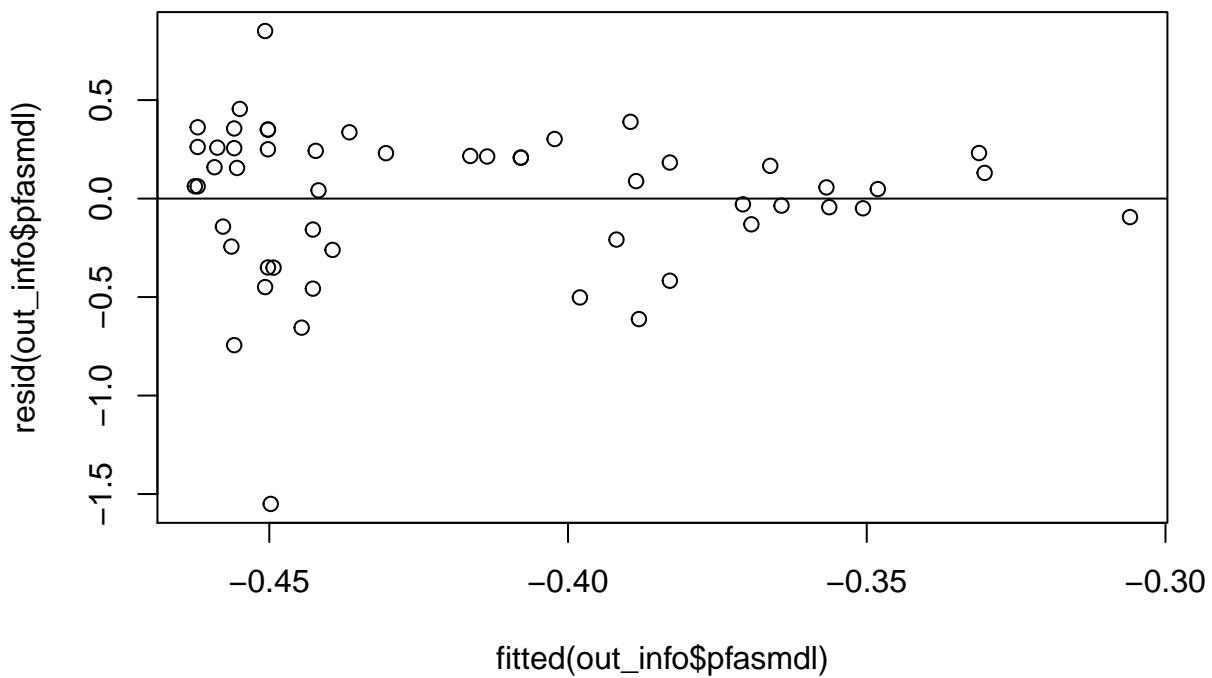
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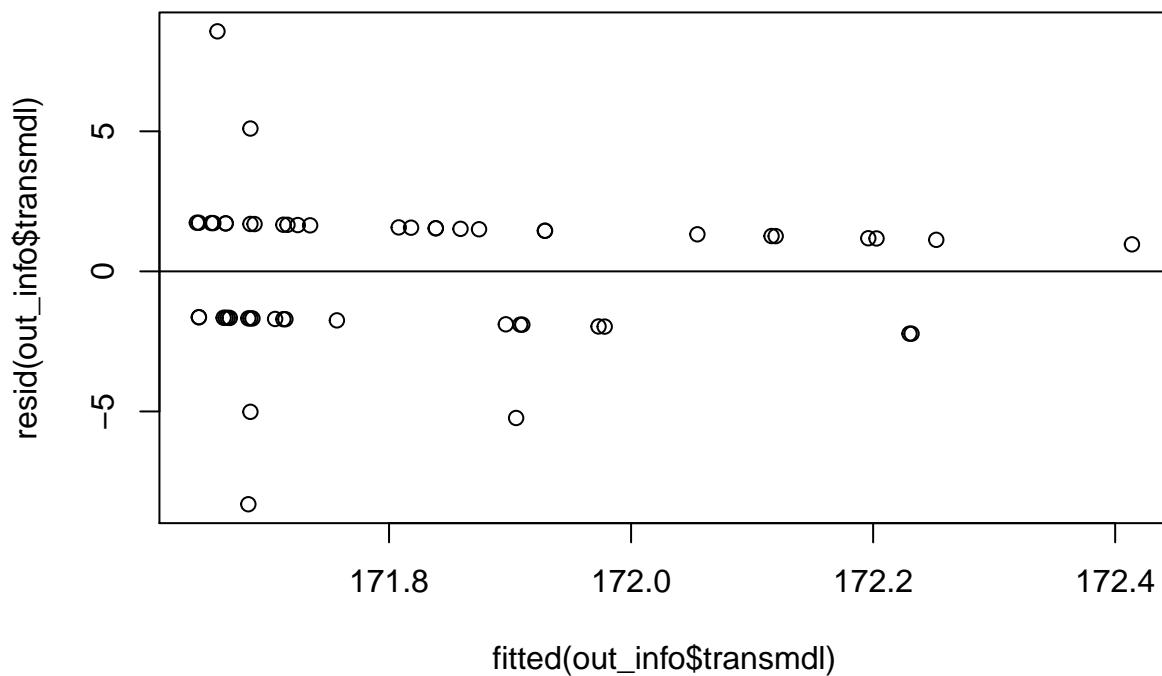
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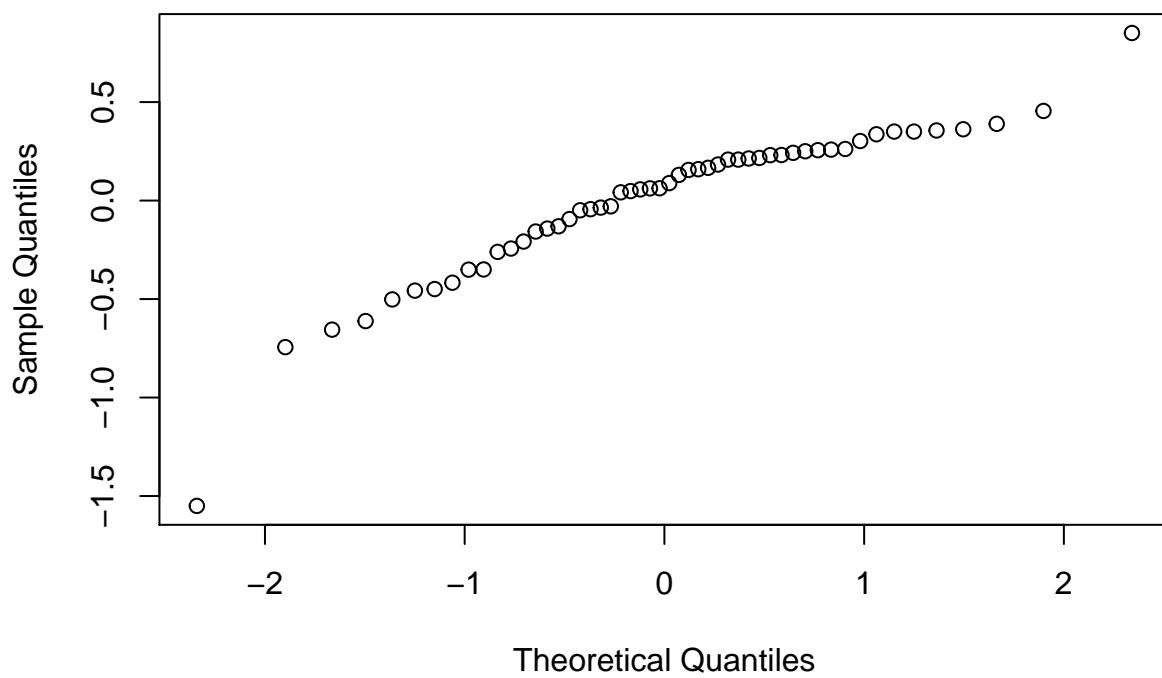
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.struc.MRF  
Plot of SmPFO\$origEthnicity



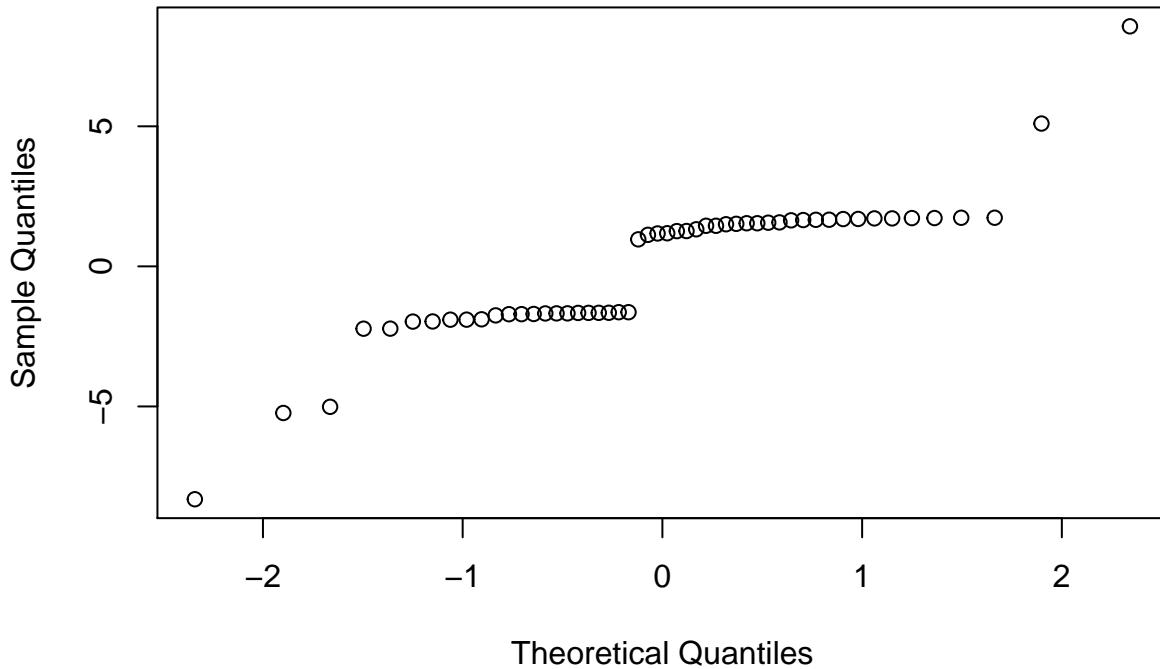
**Plot of PFDEAtrans+  
Plot of PFDEAtransdays.since.struc.MRF  
Plot of PFDEAtransEthnicity**



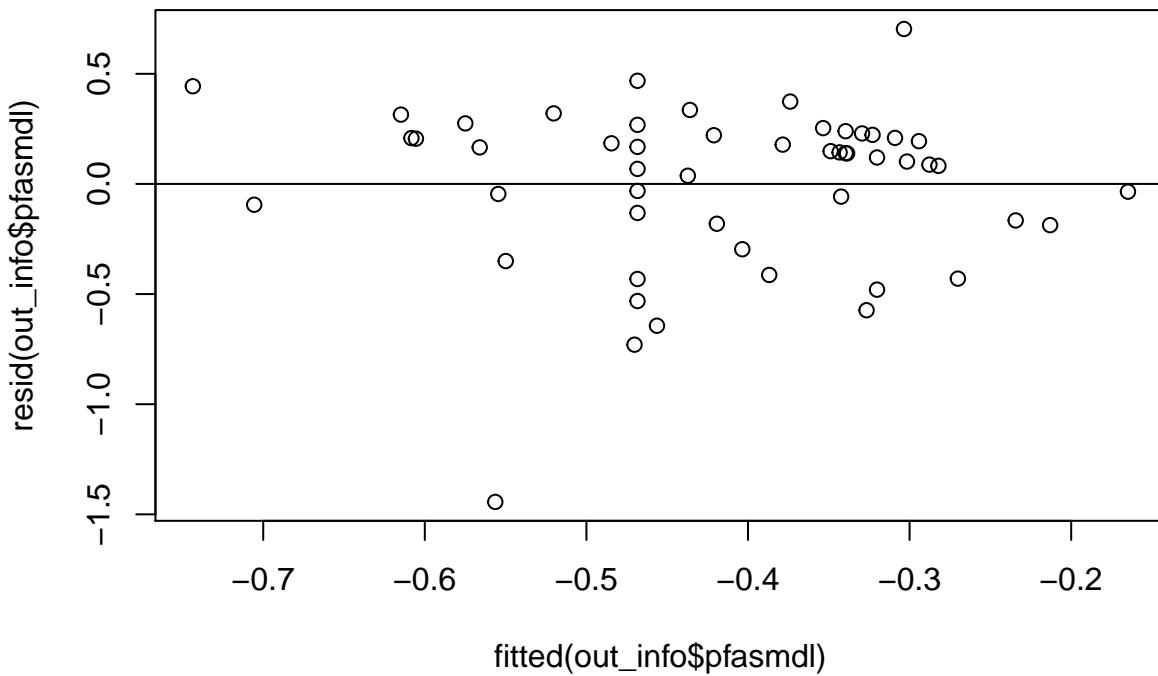
**Normal Q-Q Plot**



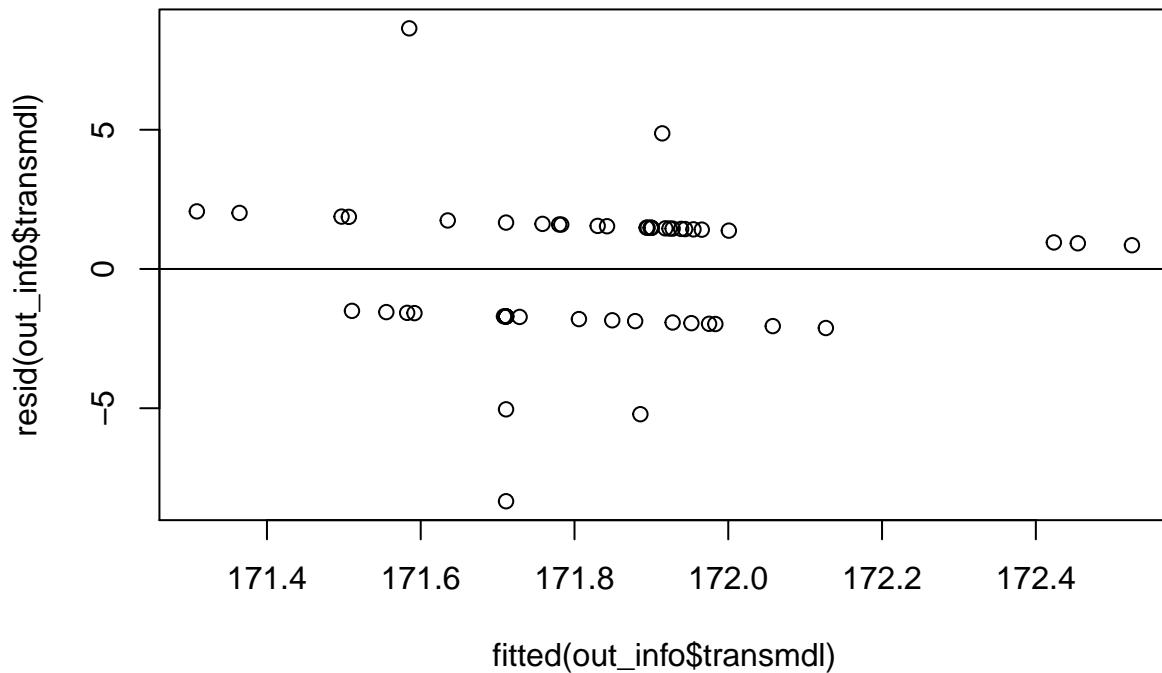
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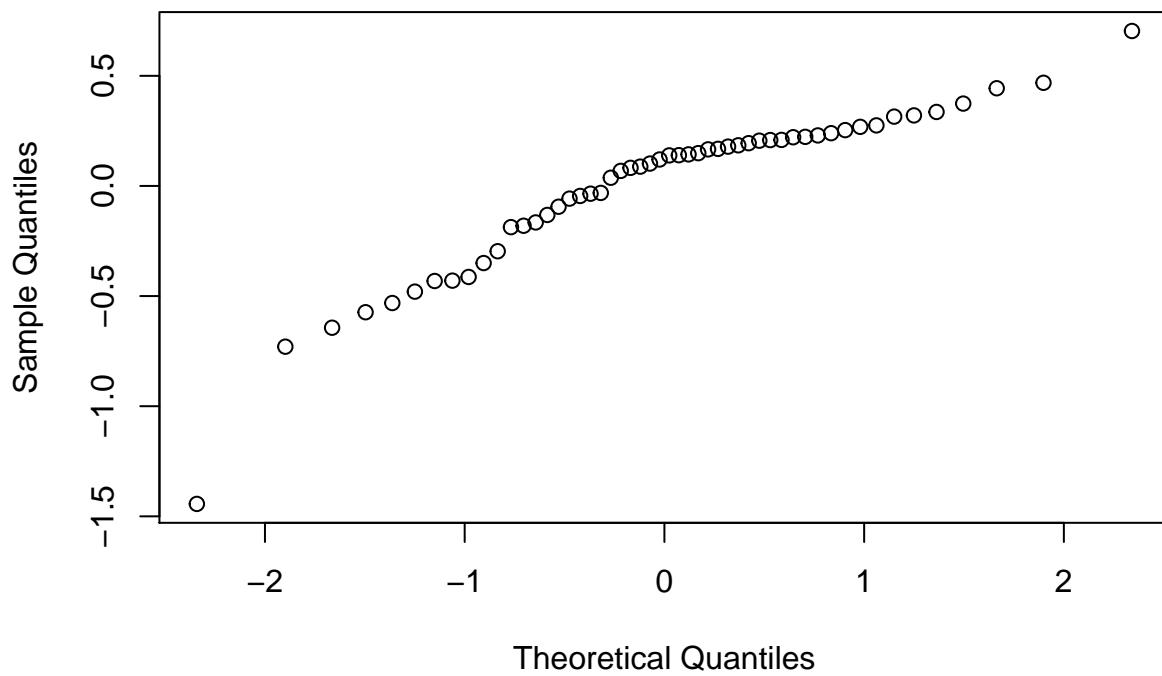
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$time.since.baseline  
Plot of SmPFO\$orig\$Ethnicity



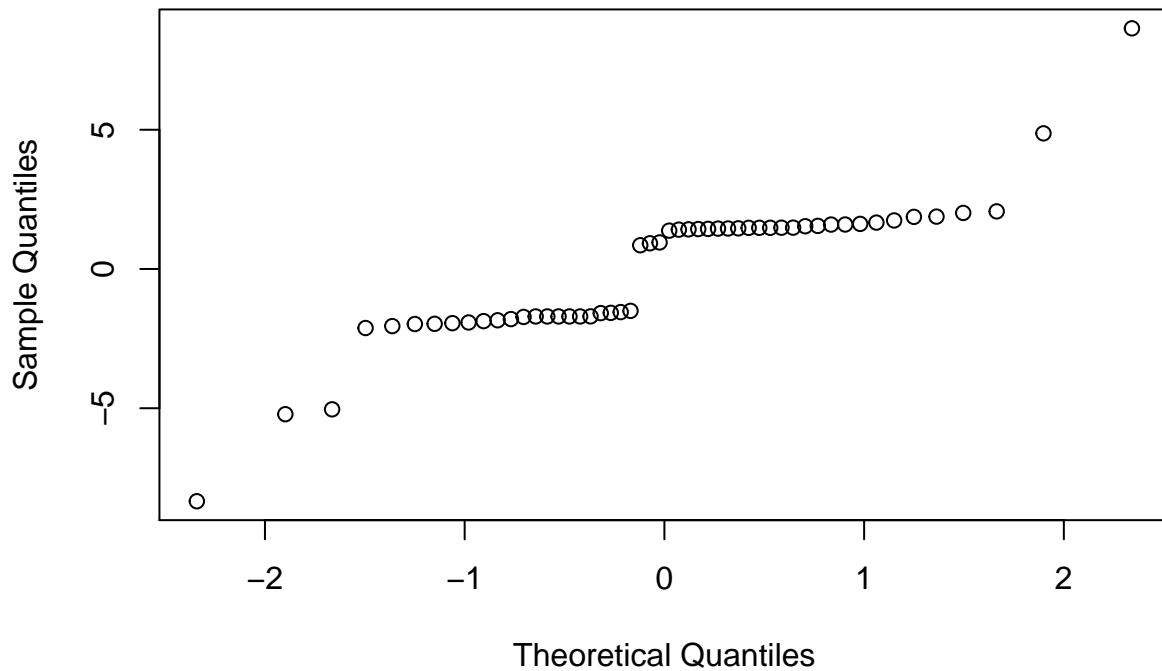
**Plot of PFDEAtrans+  
Plot of PFDEAtranstime.since.baseline  
Plot of PFDEAtransEthnicity**



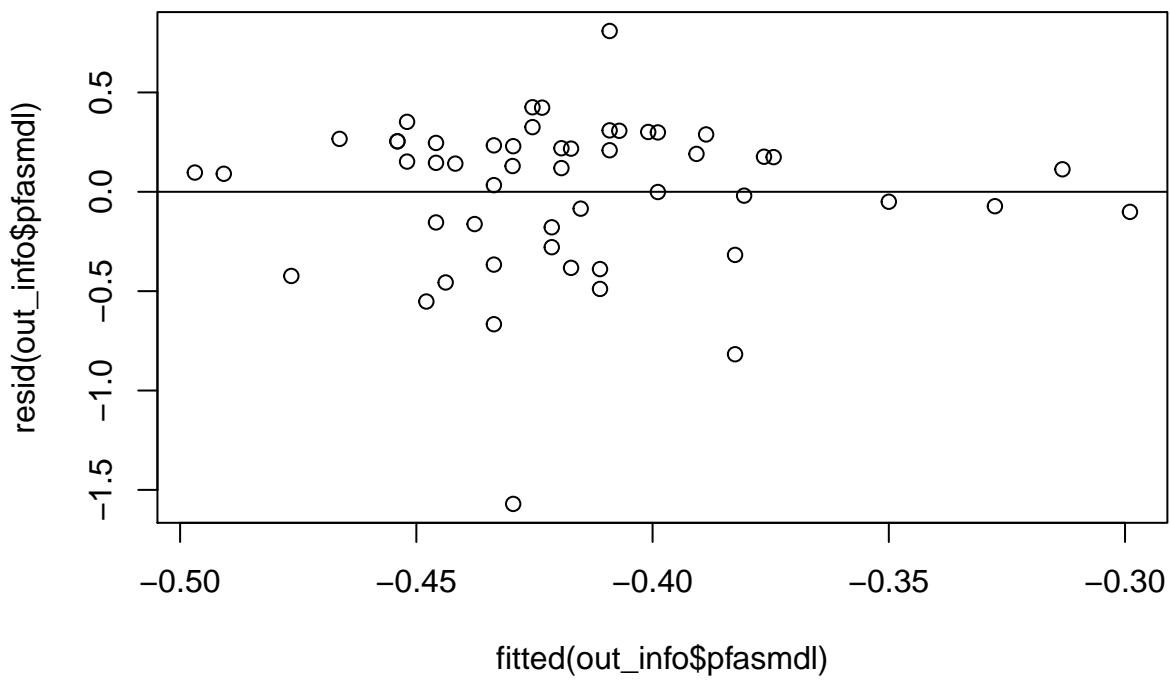
**Normal Q-Q Plot**



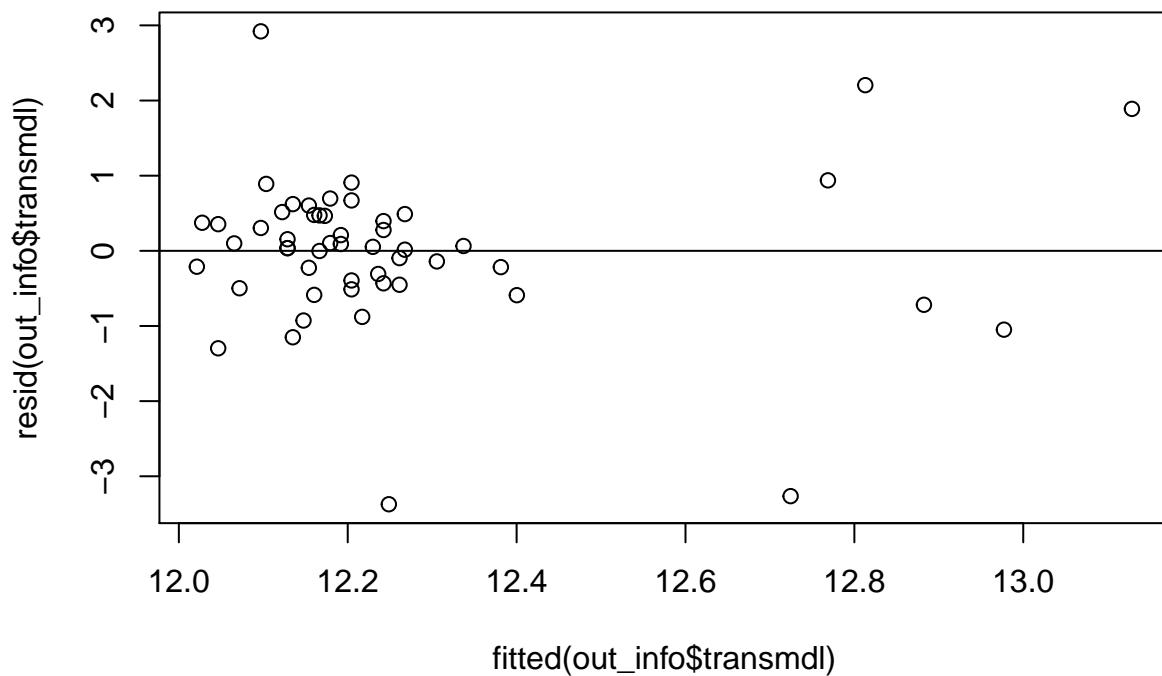
### Normal Q-Q Plot



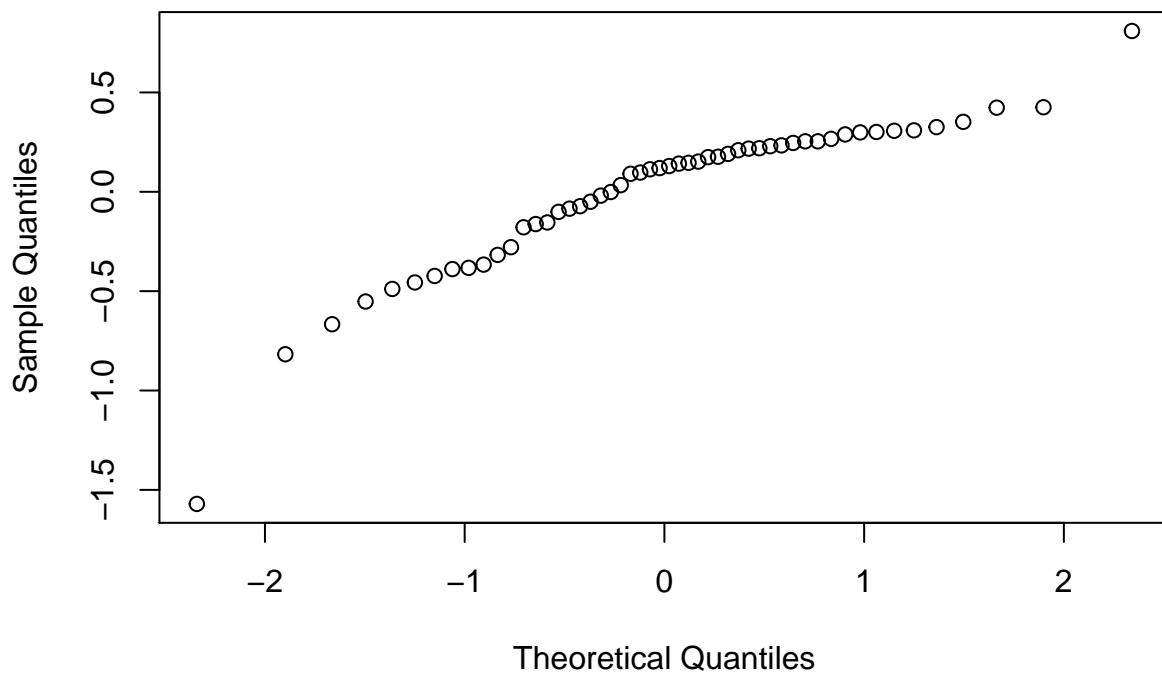
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity



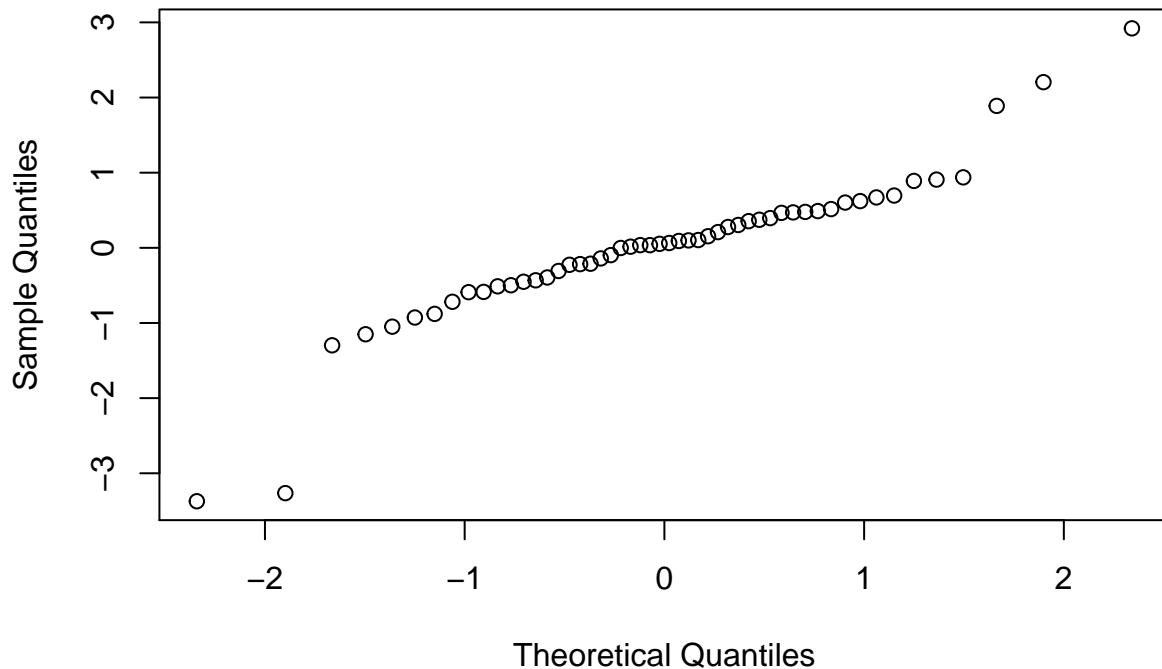
**Plot of PFHXStrans+  
Plot of PFHXStranstotal.num.fireruns  
Plot of PFHXStransEthnicity**



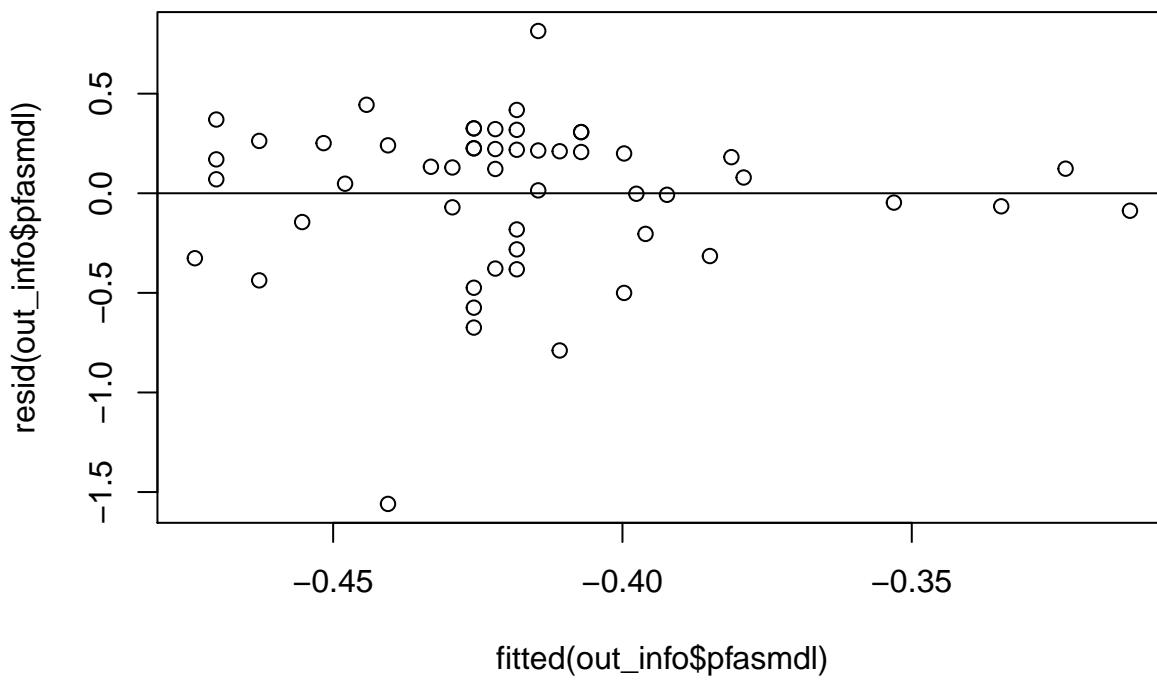
**Normal Q-Q Plot**



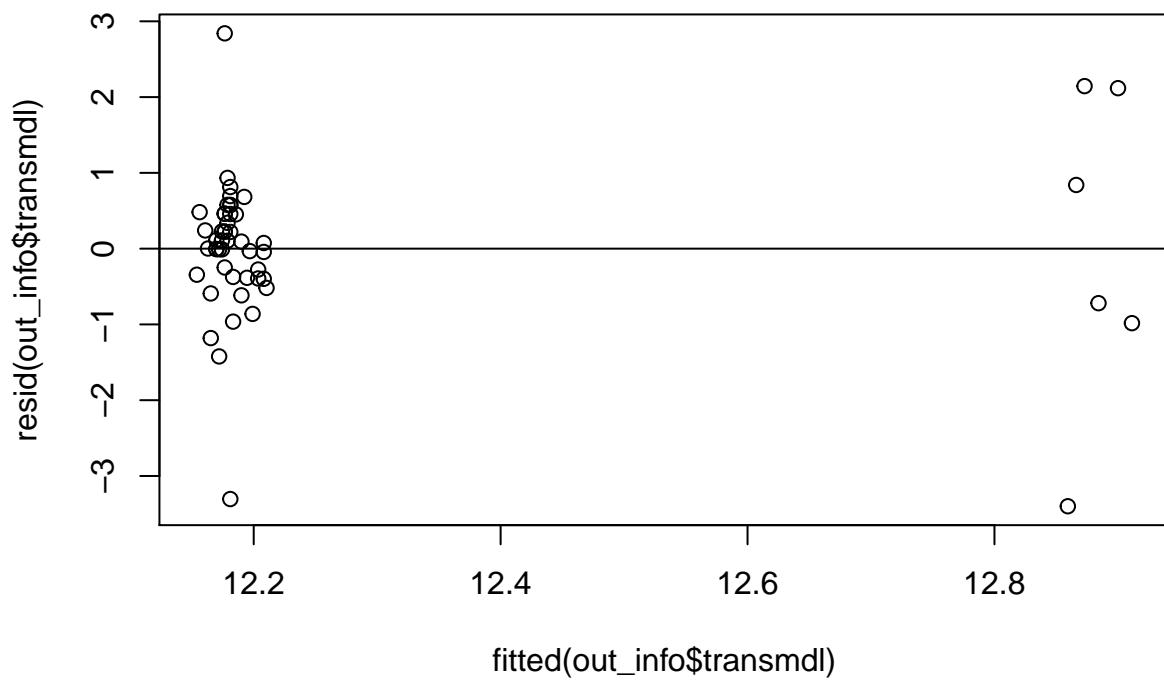
### Normal Q-Q Plot



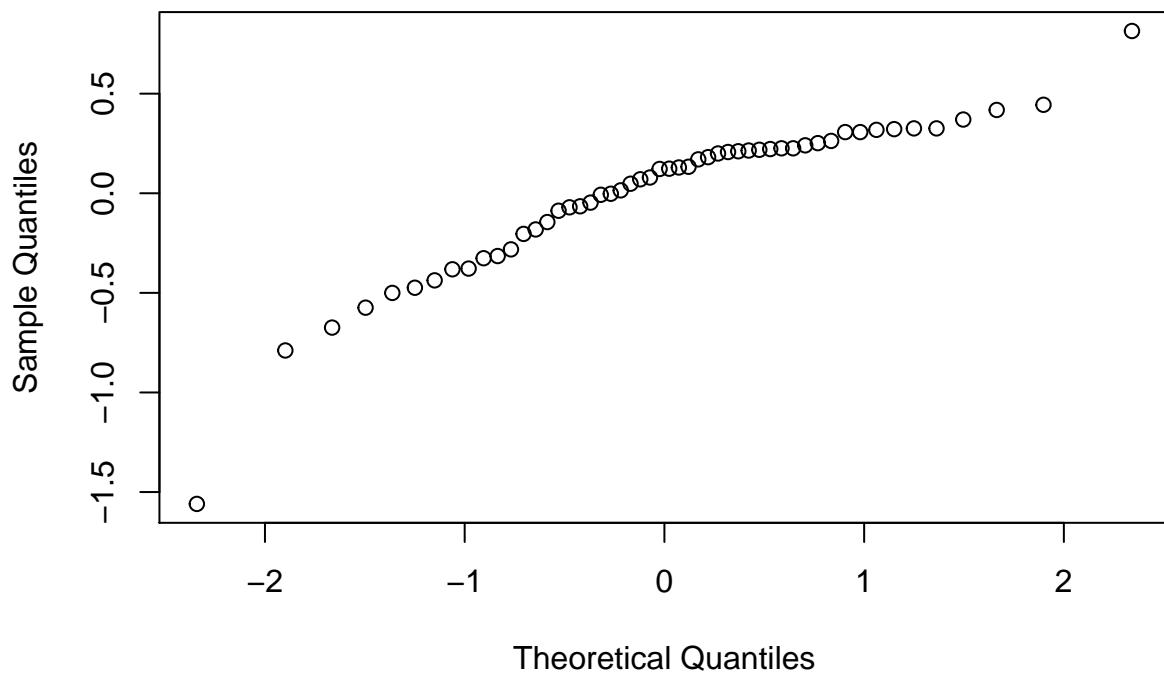
Plot of SmPFO\$orig+  
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Plot of SmPFO\$origEthnicity



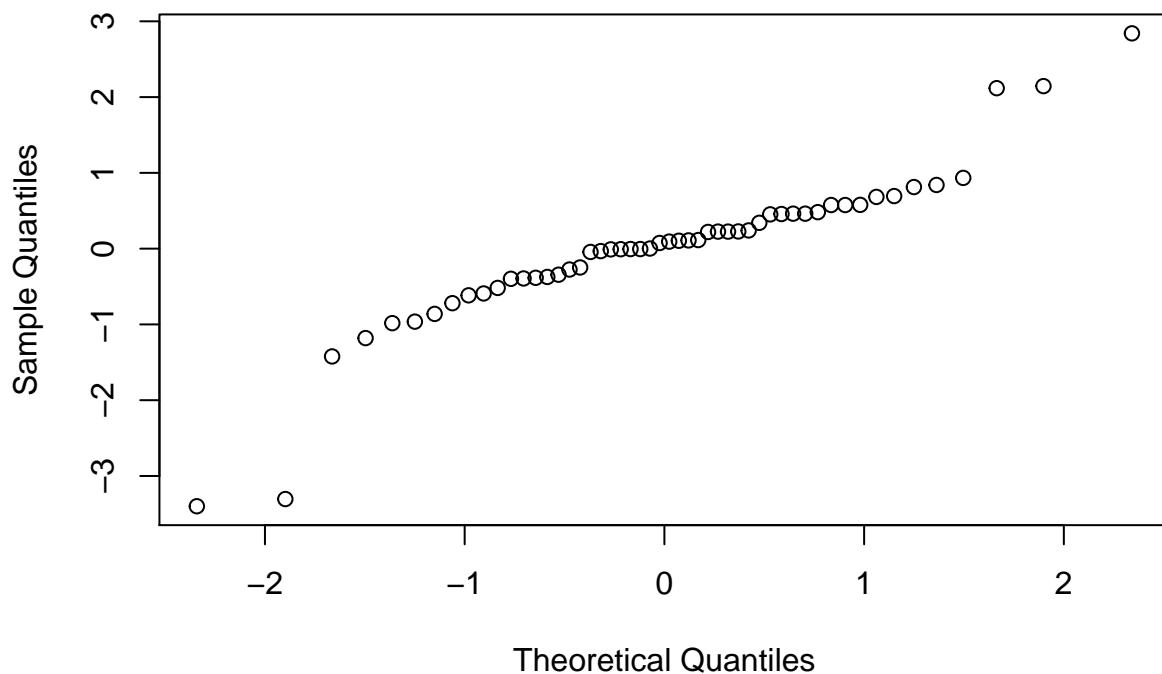
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Plot of PFHXStransstr.num.fireruns  
Plot of PFHXStransEthnicity**



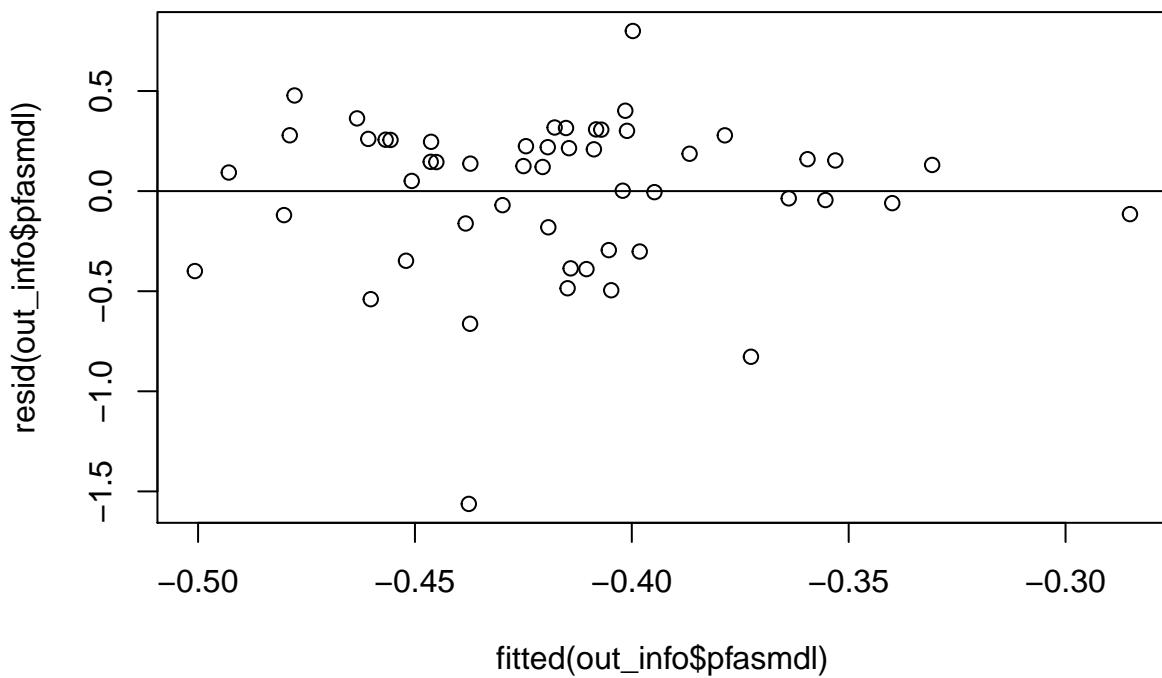
**Normal Q-Q Plot**



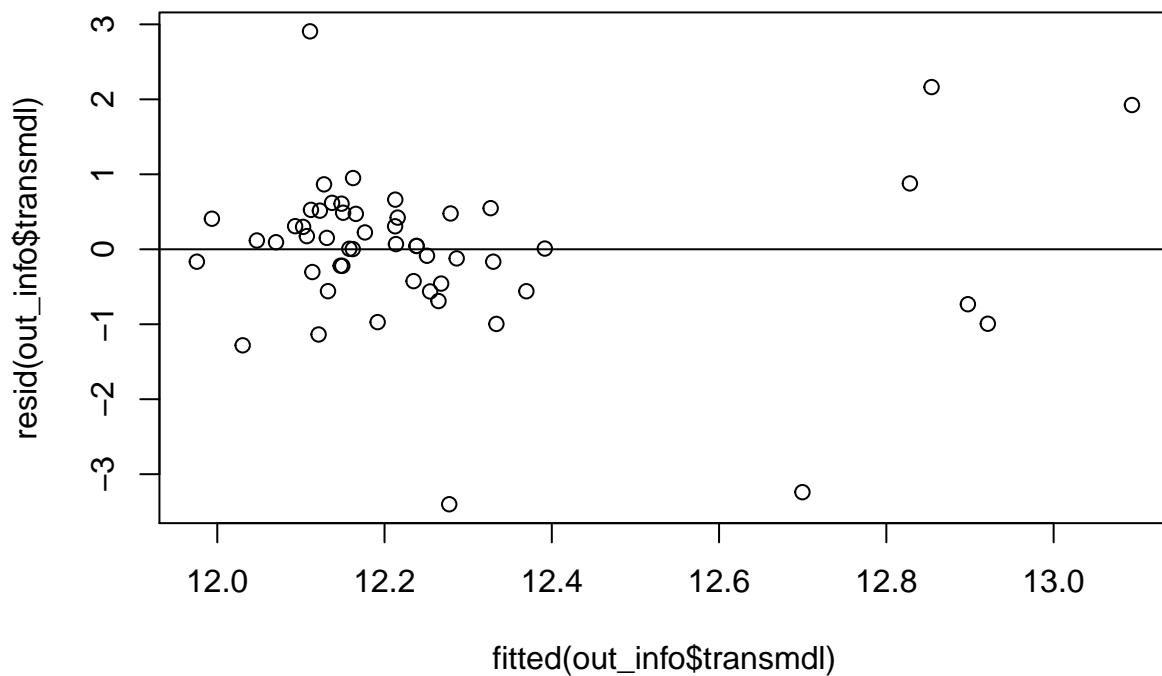
### Normal Q-Q Plot



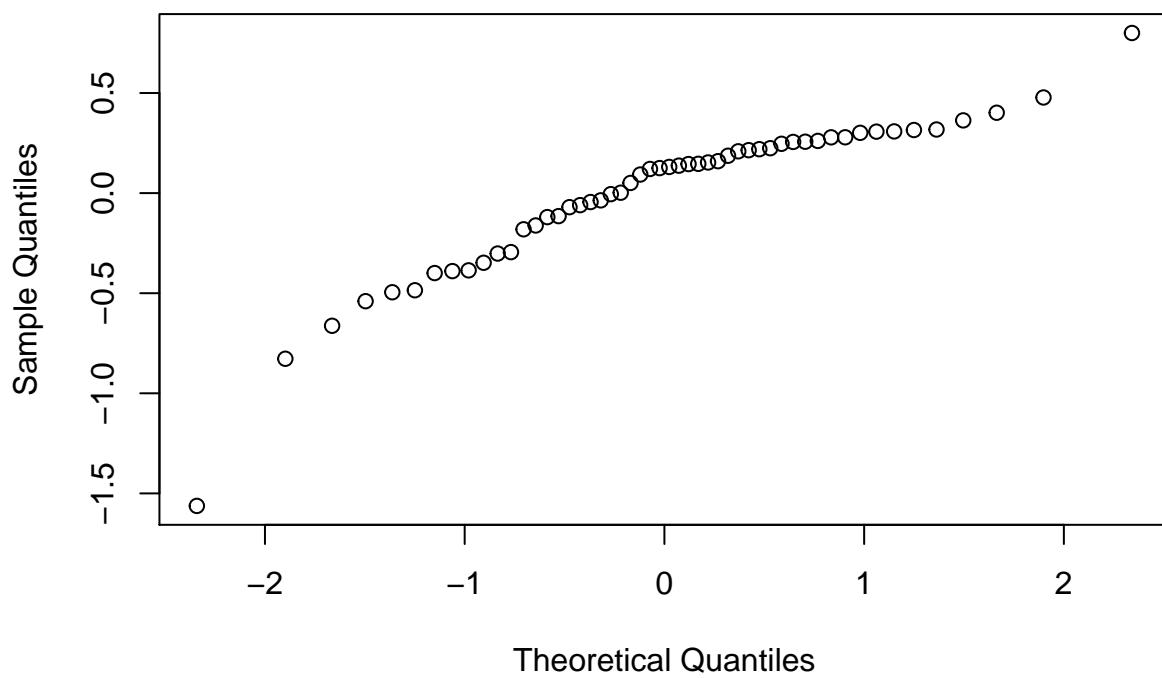
**Plot of SmPFO\$orig+  
Plot of SmPFO\$origtotal.duration.hrs  
Plot of SmPFO\$origEthnicity**



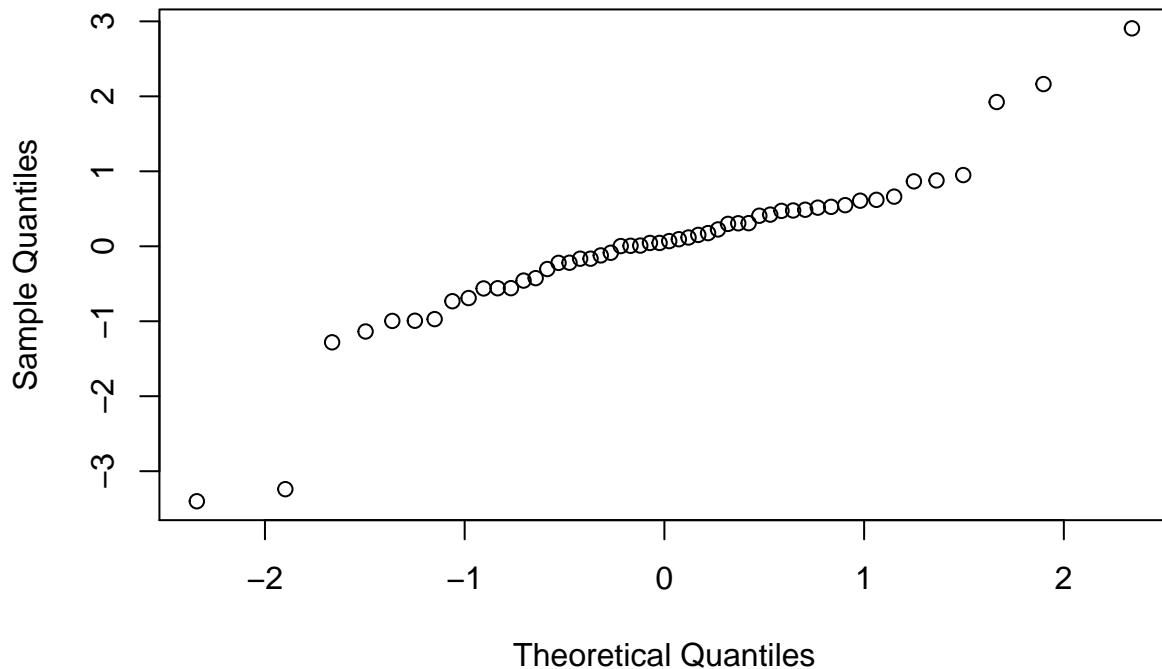
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Plot of PFHXStranstotal.duration.hrs  
Plot of PFHXStransEthnicity**



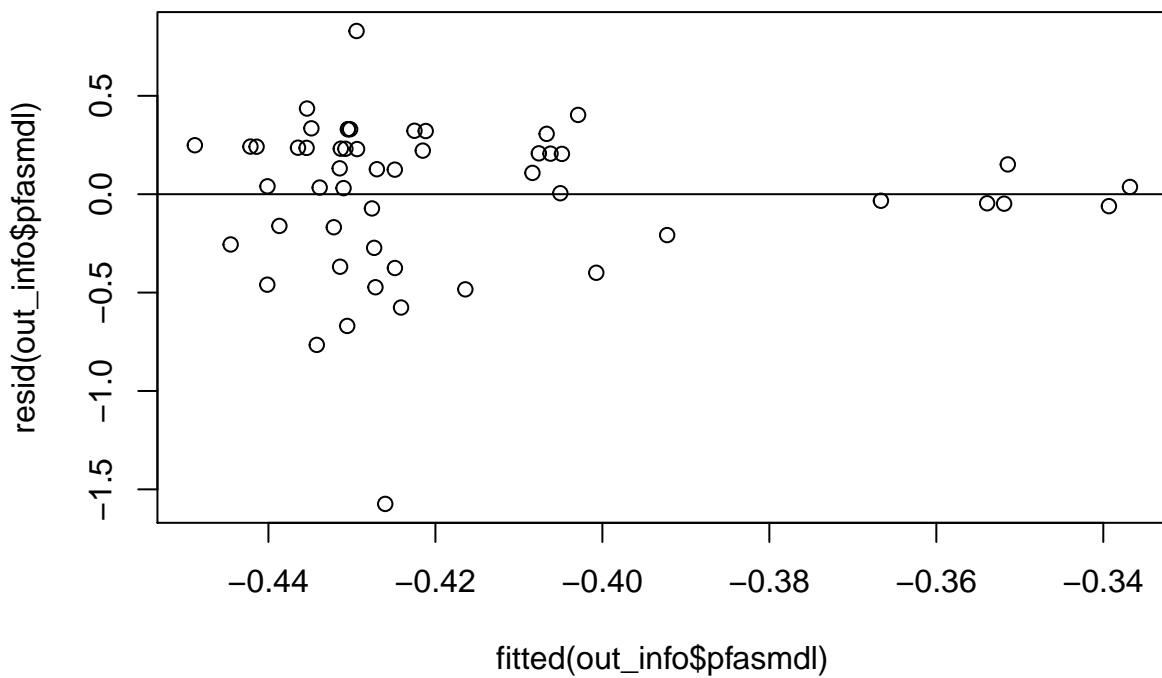
**Normal Q-Q Plot**



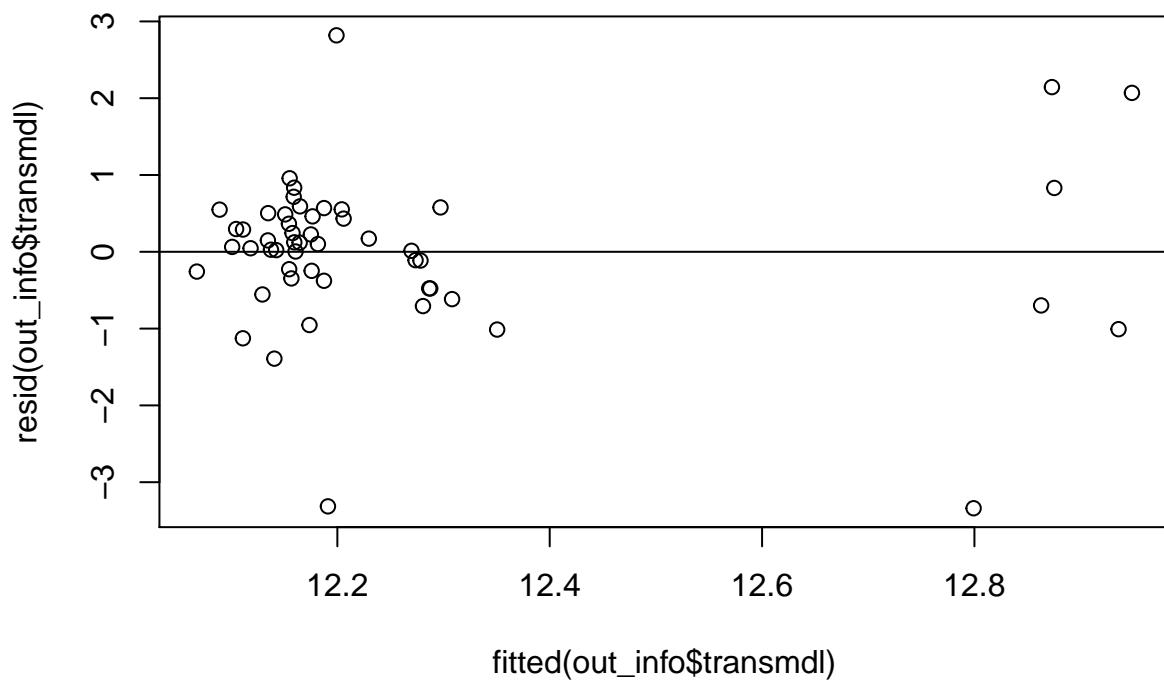
### Normal Q-Q Plot



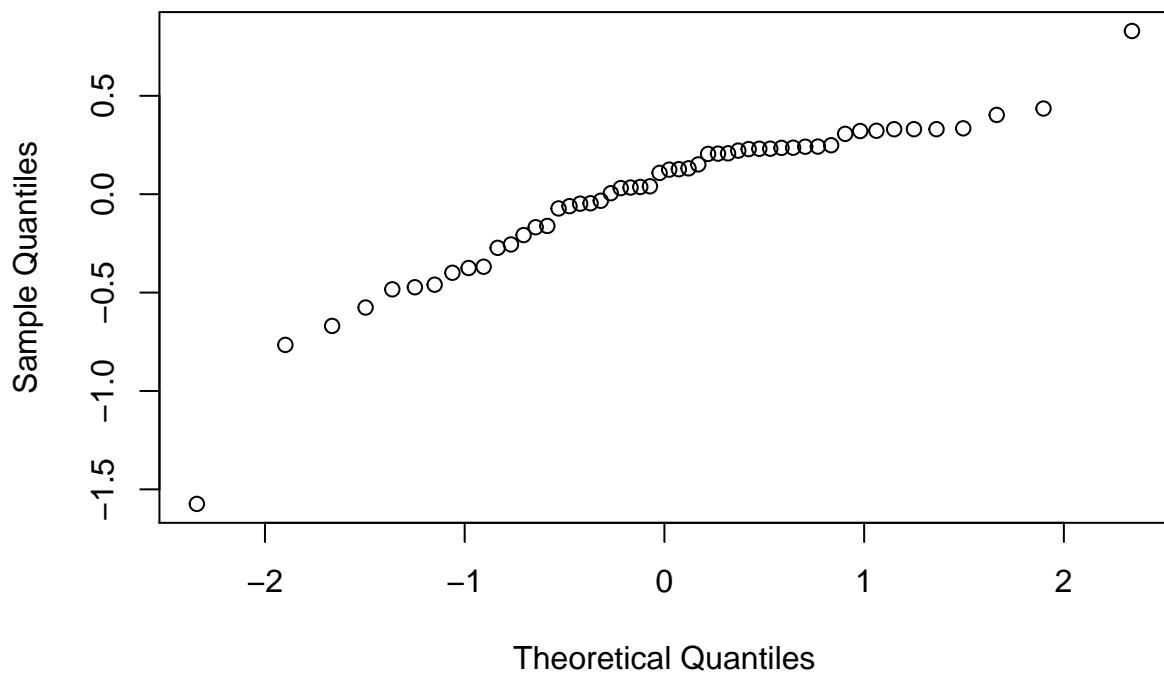
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.duration.hrs  
Plot of SmPFO\$origEthnicity



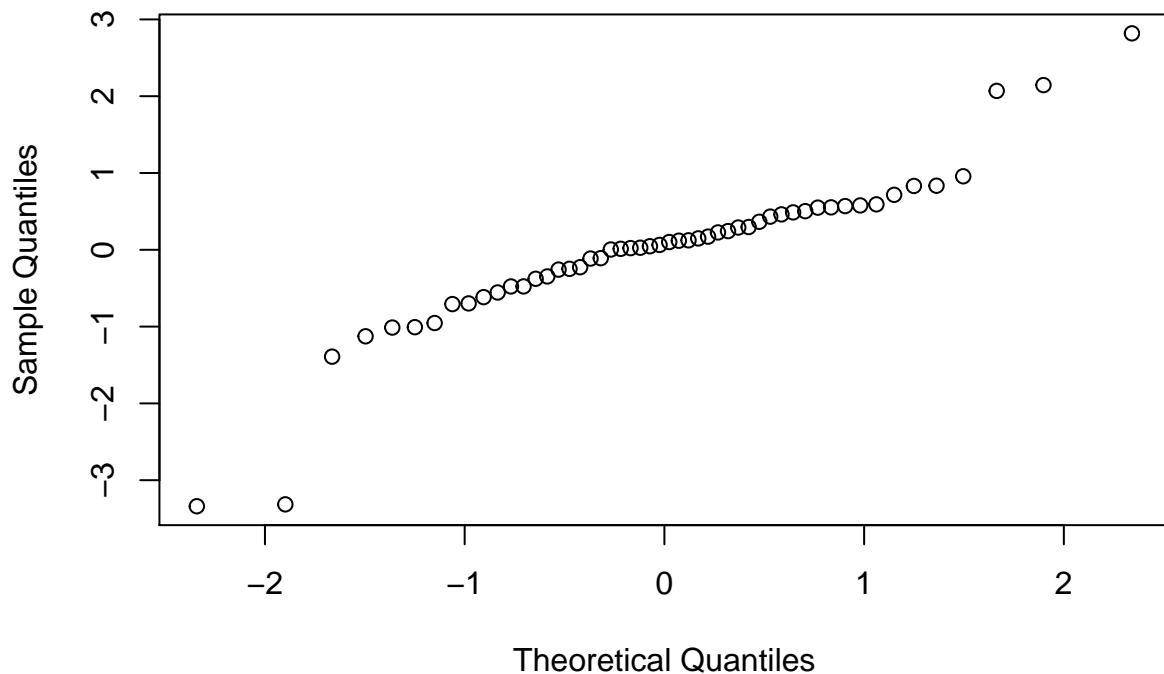
**Plot of PFHXStrans+  
Plot of PFHXStransstr.duration.hrs  
Plot of PFHXStransEthnicity**



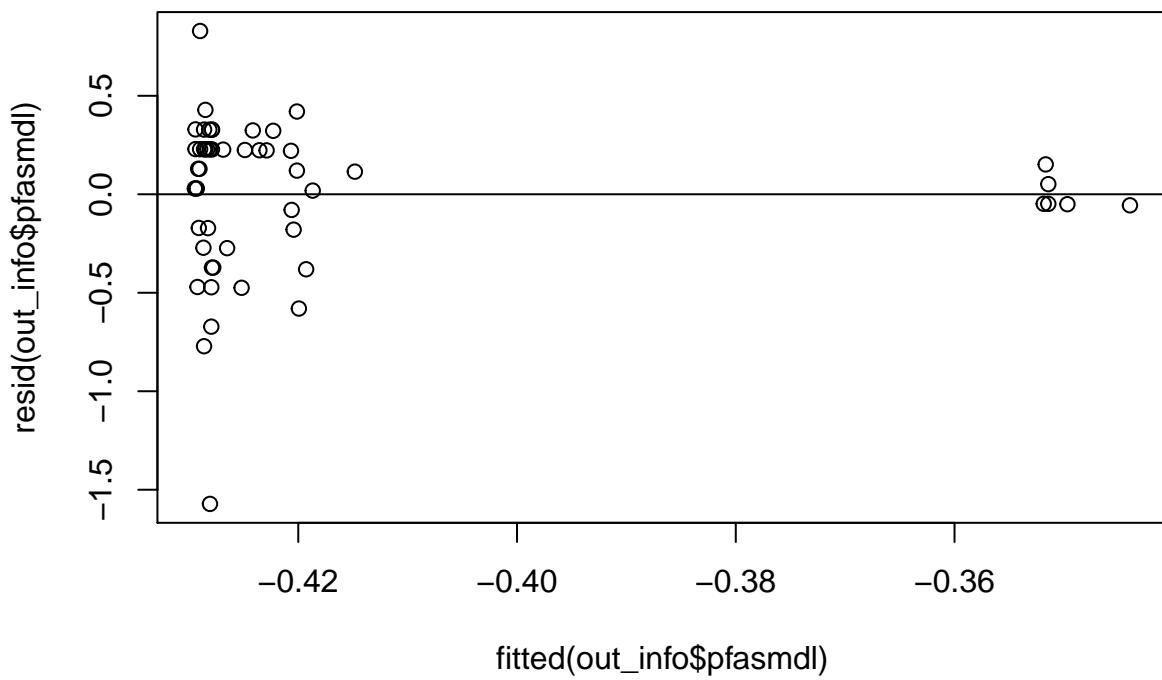
**Normal Q-Q Plot**



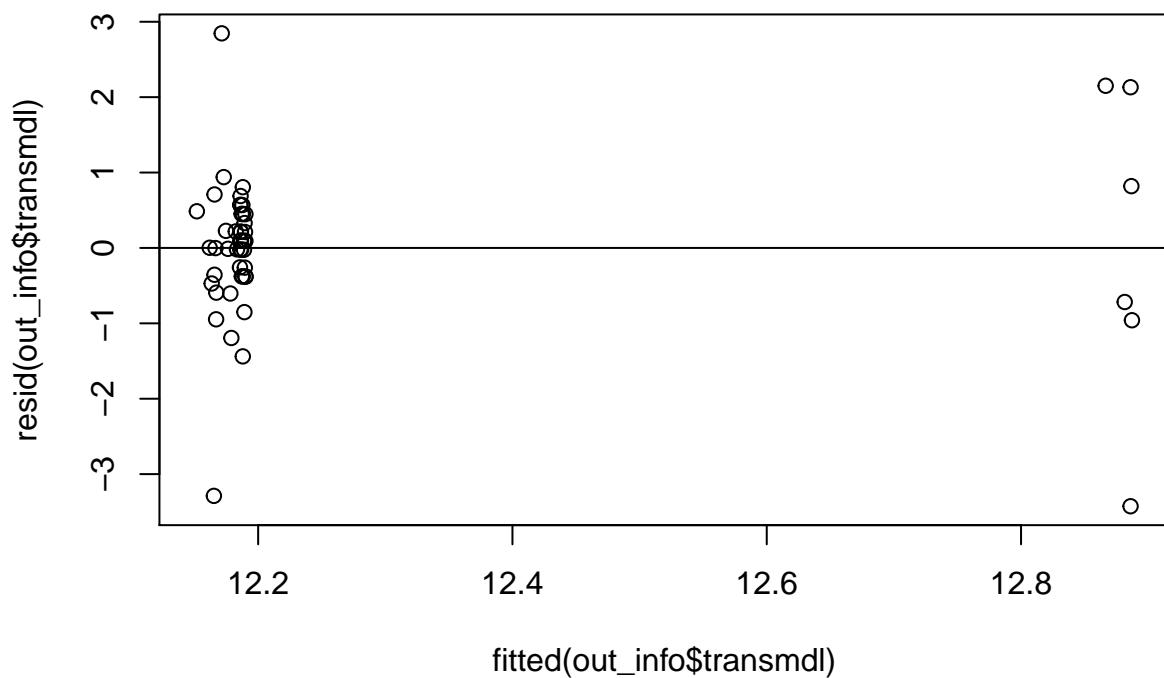
### Normal Q-Q Plot



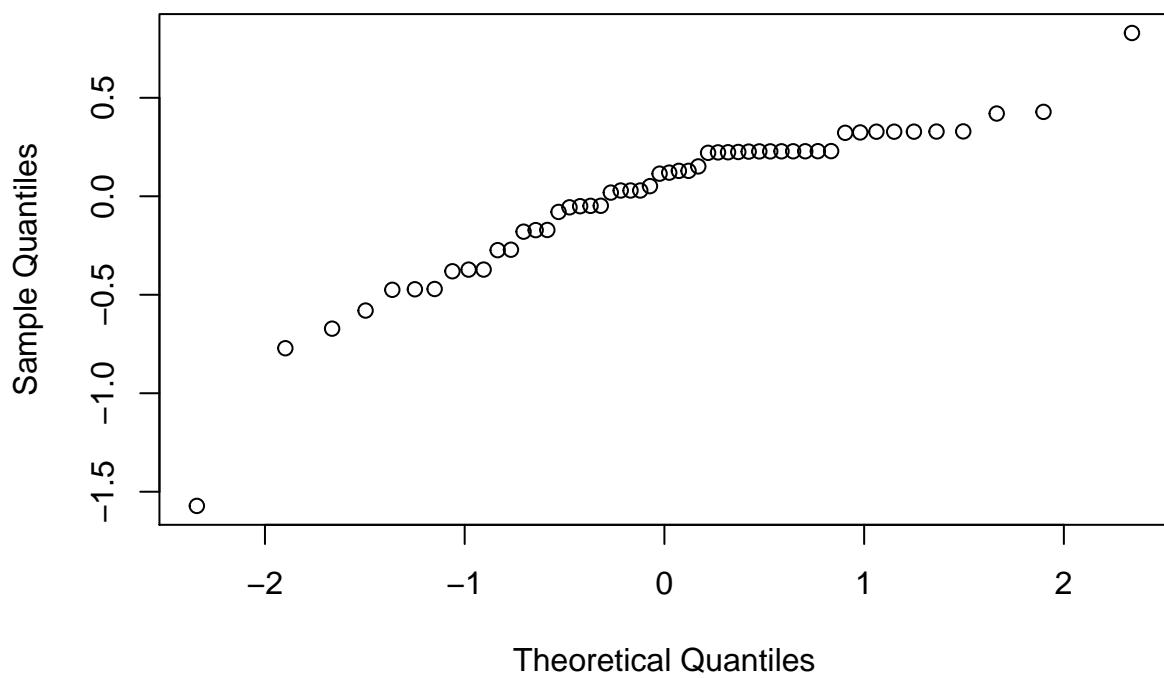
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.MRF  
Plot of SmPFO\$origEthnicity



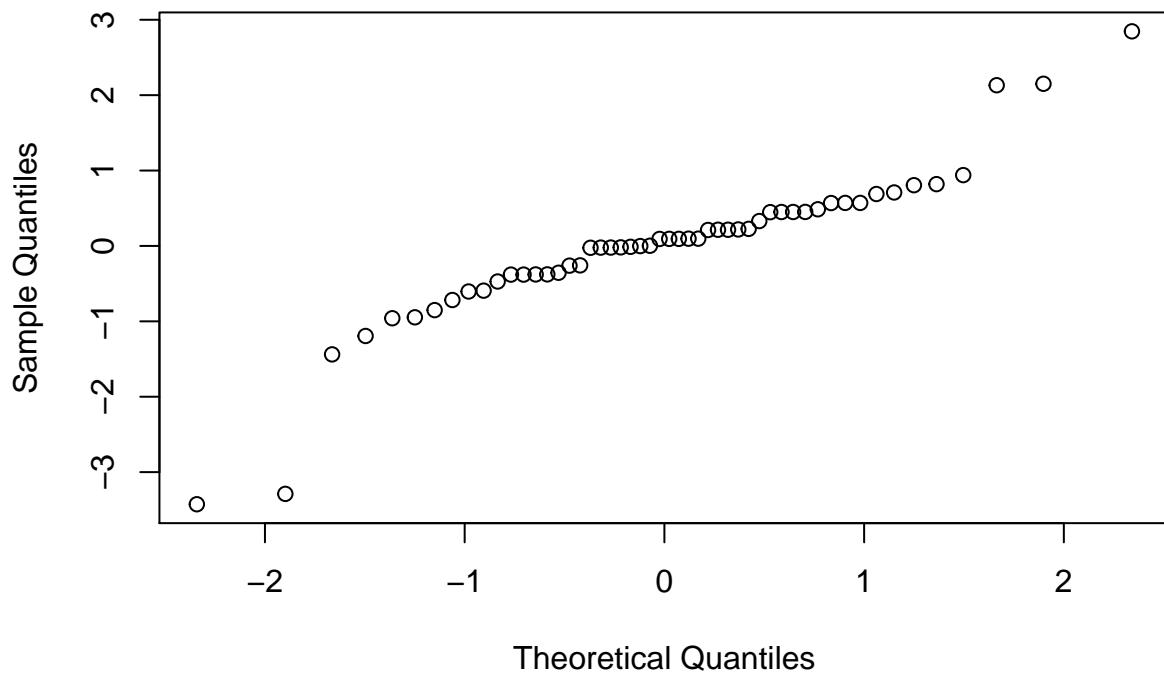
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.MRF  
Plot of PFHXStransEthnicity**



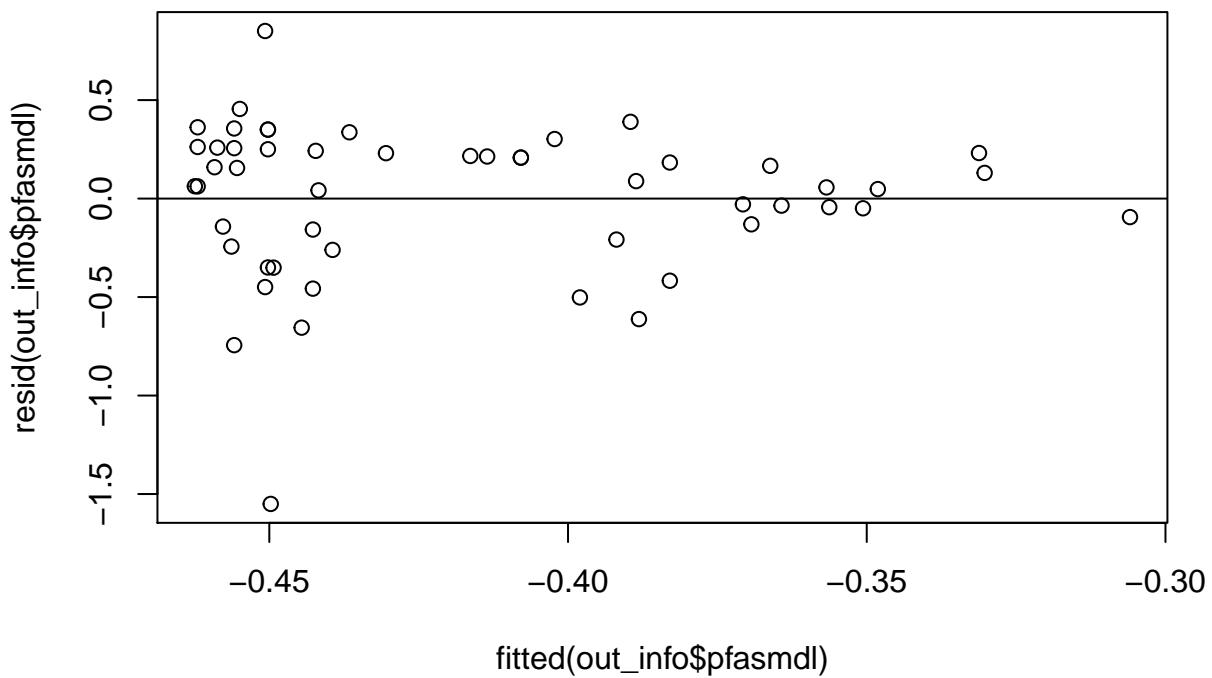
**Normal Q-Q Plot**



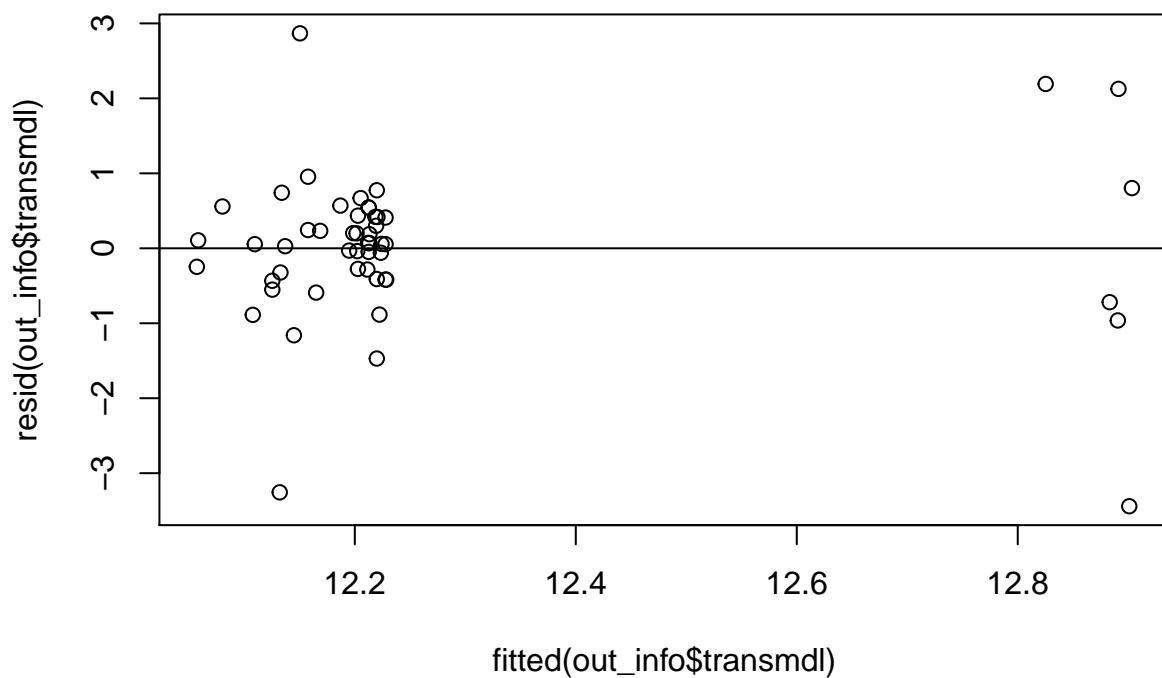
### Normal Q-Q Plot



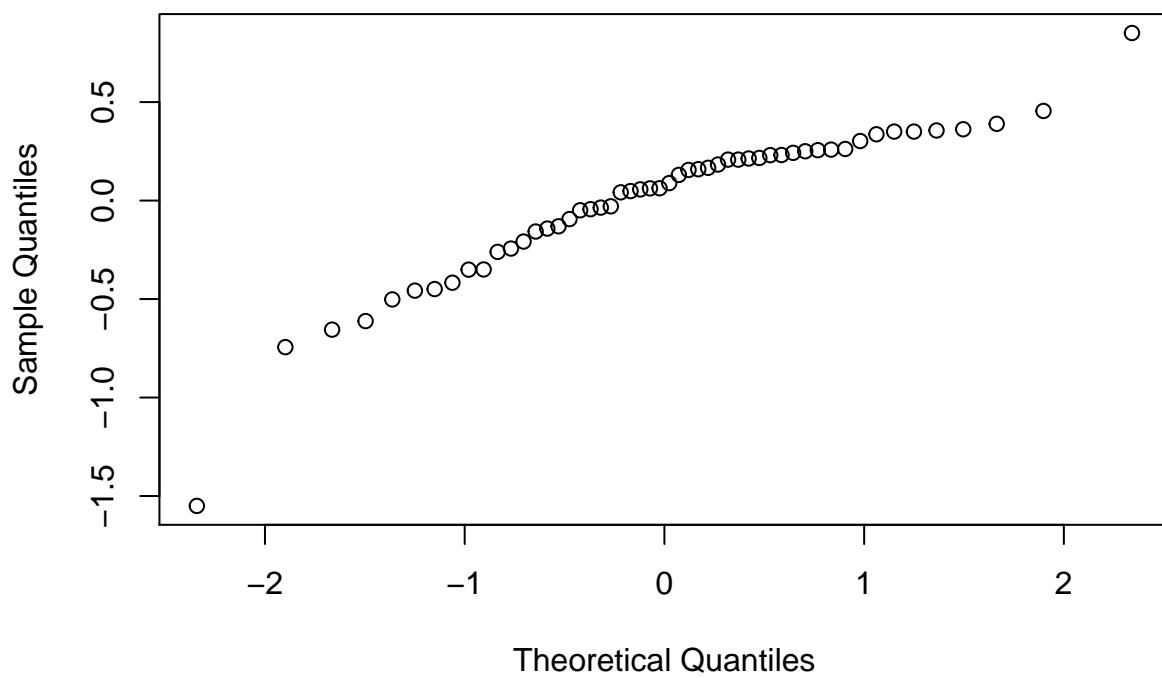
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.struc.MRF  
Plot of SmPFO\$origEthnicity



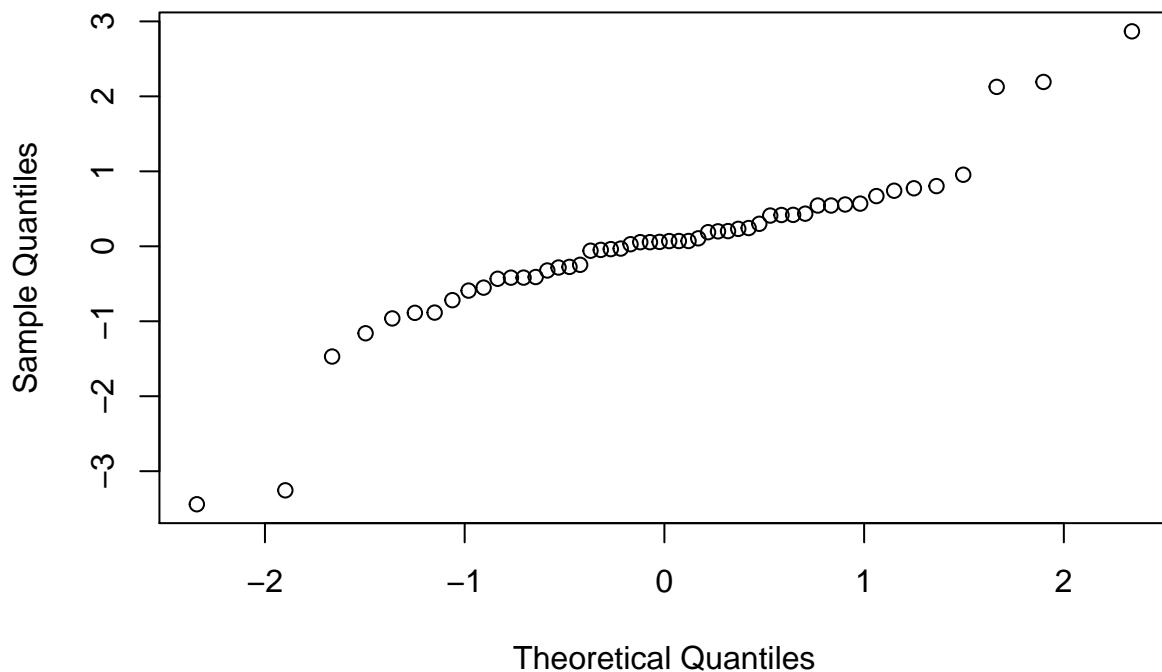
**Plot of PFHXStrans+  
Plot of PFHXStransdays.since.struc.MRF  
Plot of PFHXStransEthnicity**



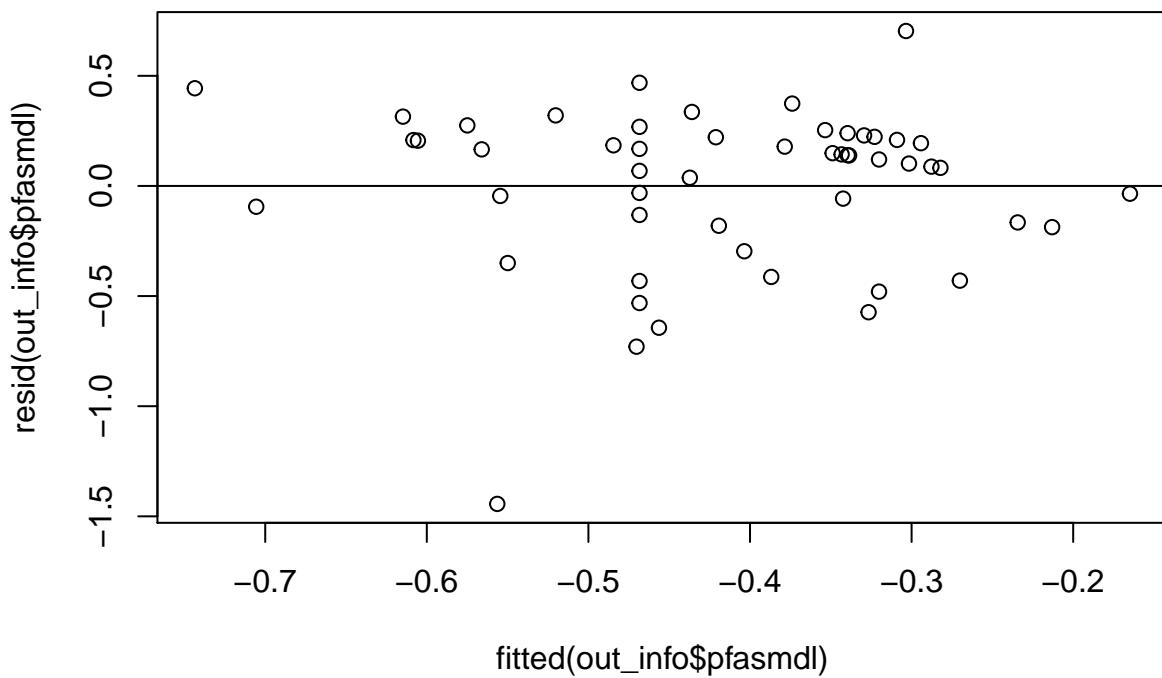
**Normal Q-Q Plot**



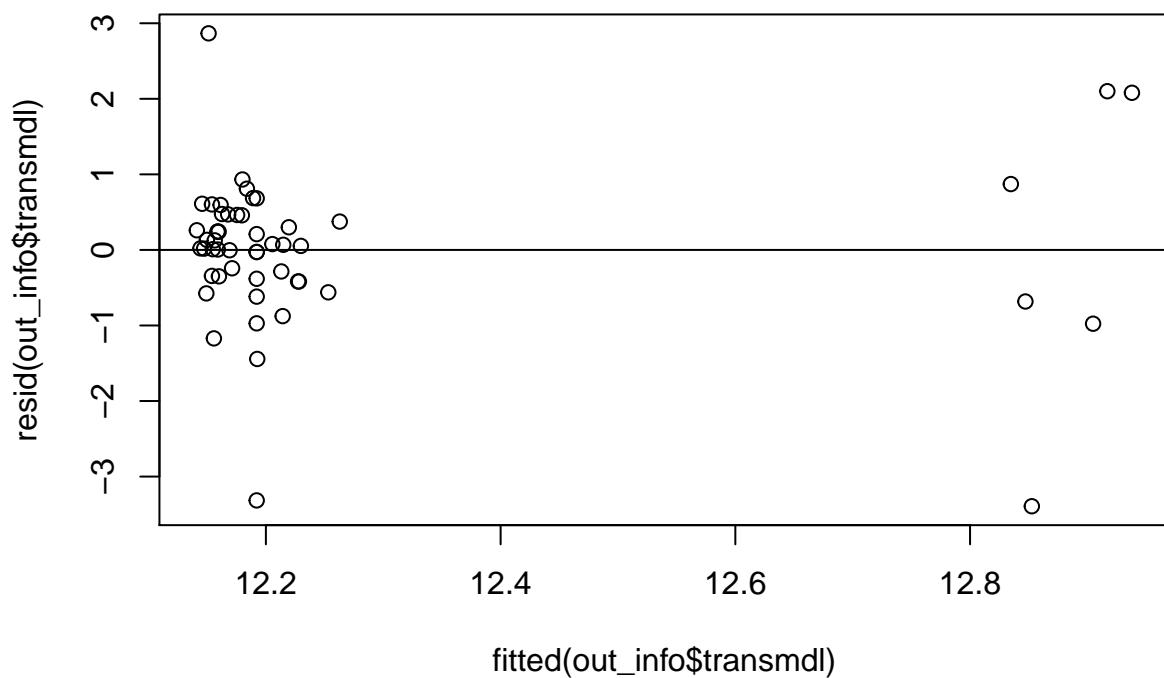
### Normal Q-Q Plot



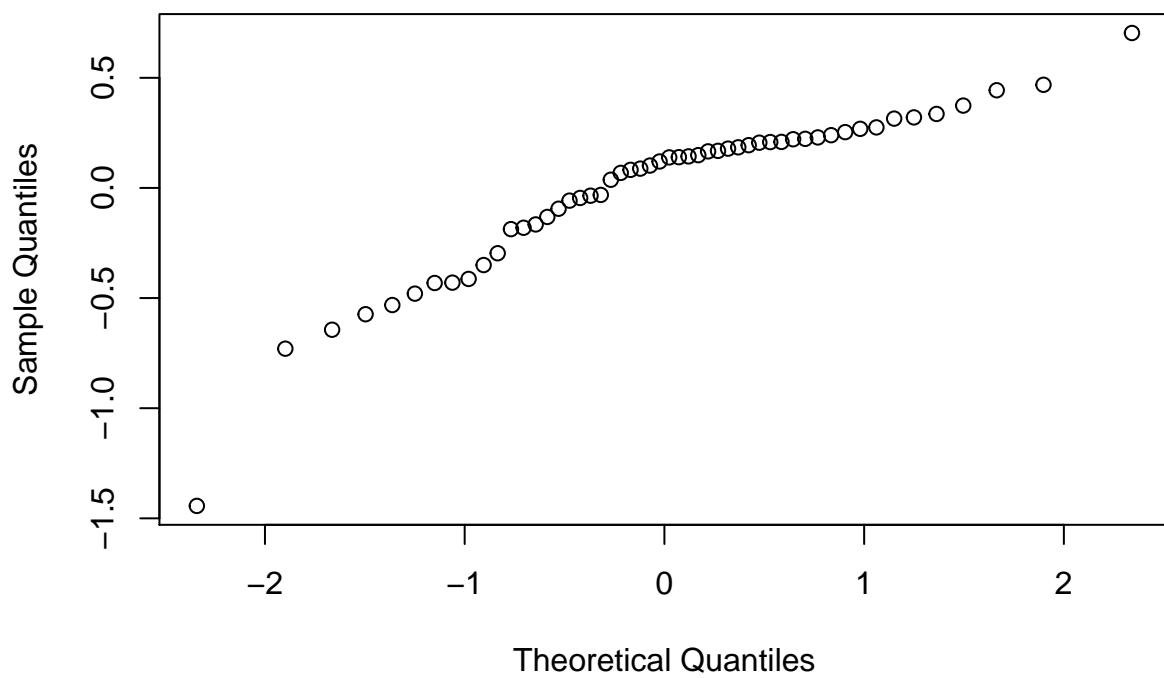
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$time.since.baseline  
Plot of SmPFO\$orig\$Ethnicity



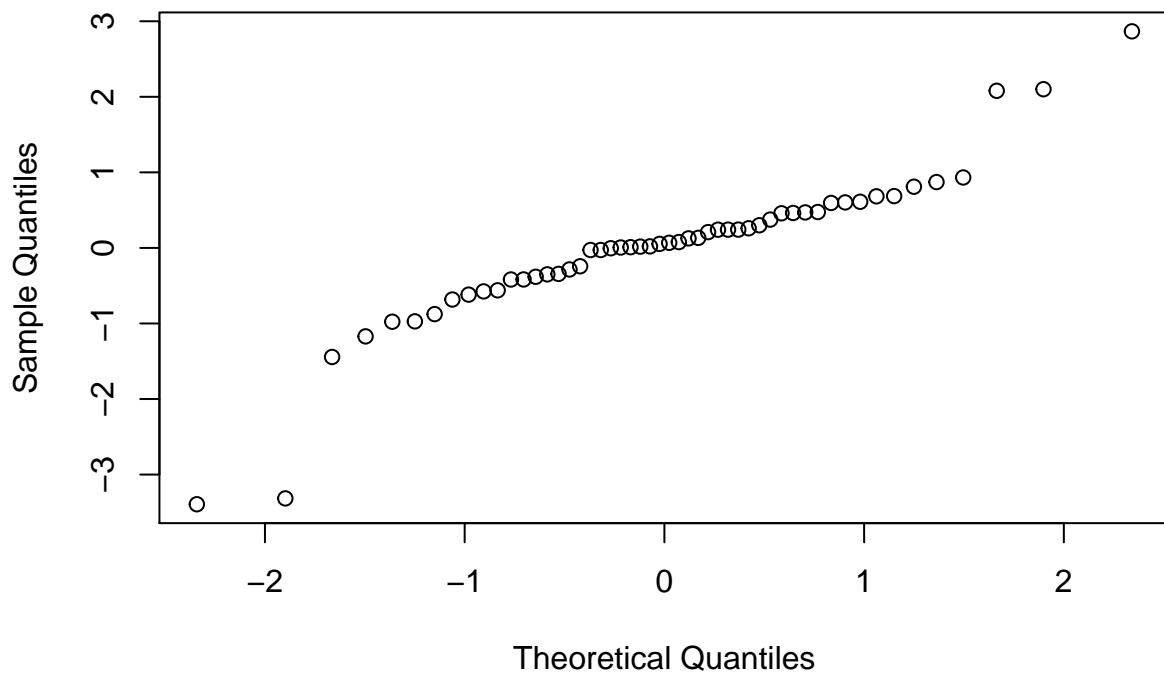
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Plot of PFHXStranstime.since.baseline  
Plot of PFHXStransEthnicity**



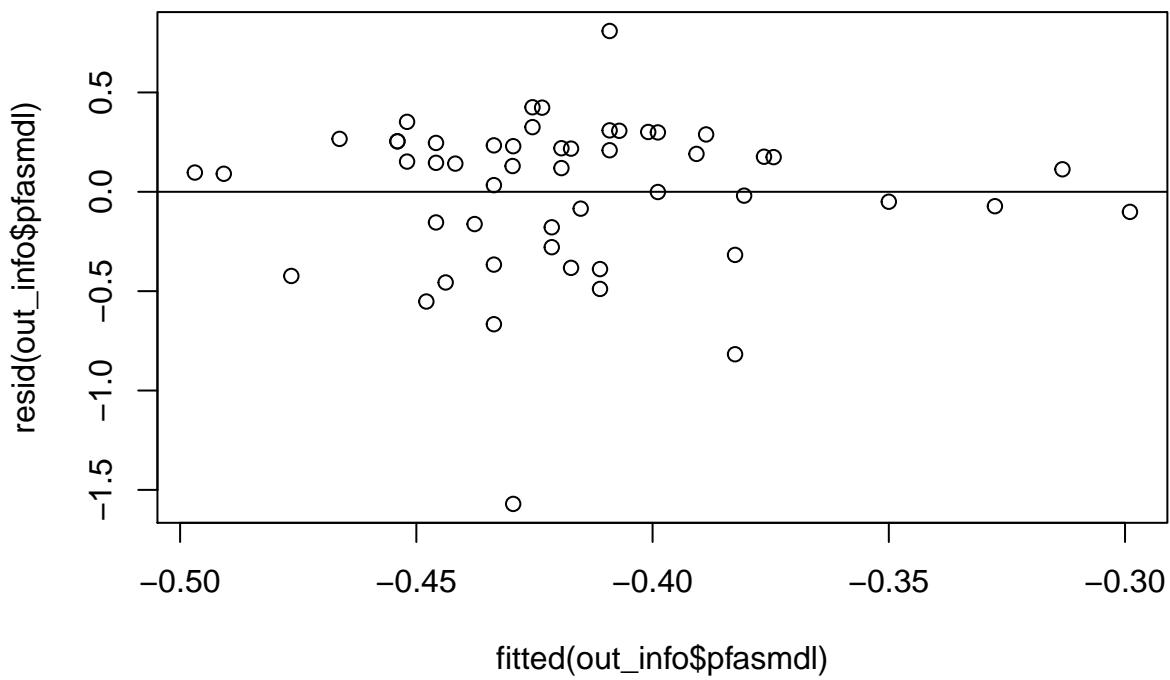
**Normal Q-Q Plot**



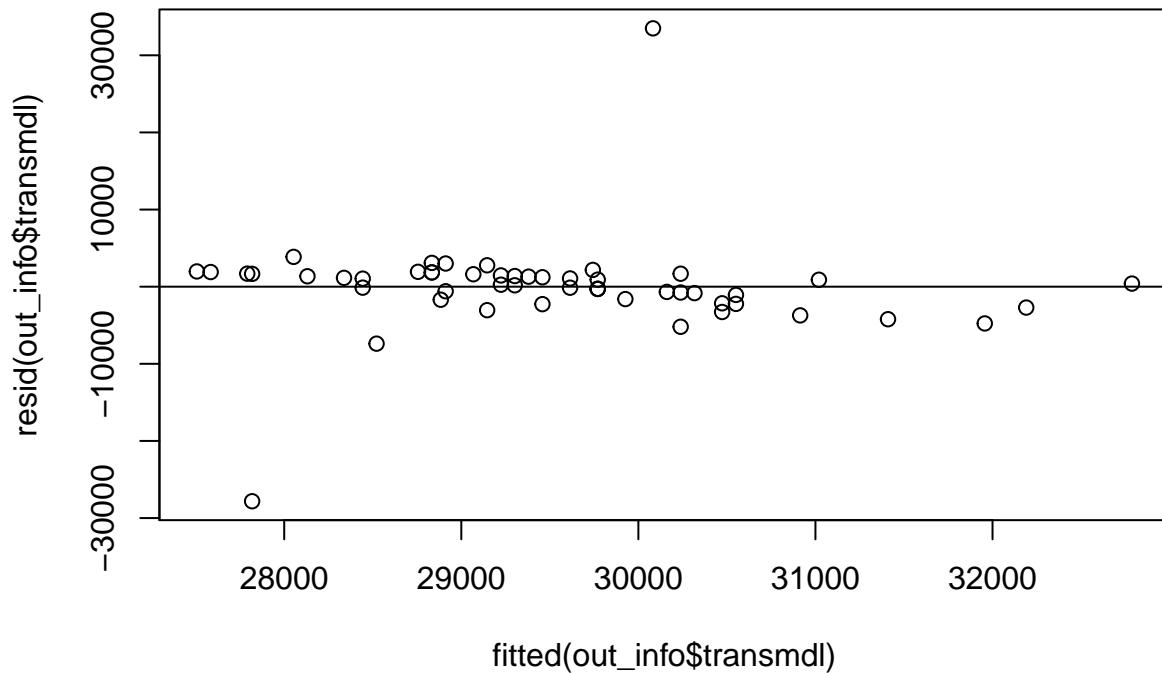
### Normal Q-Q Plot



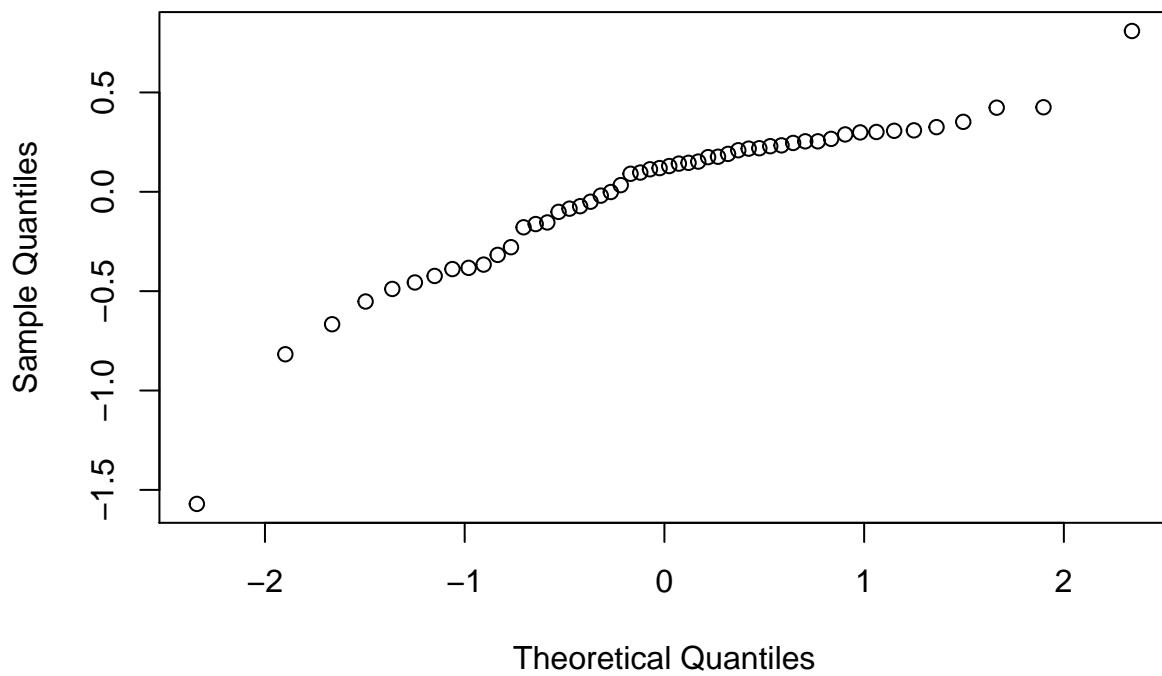
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity



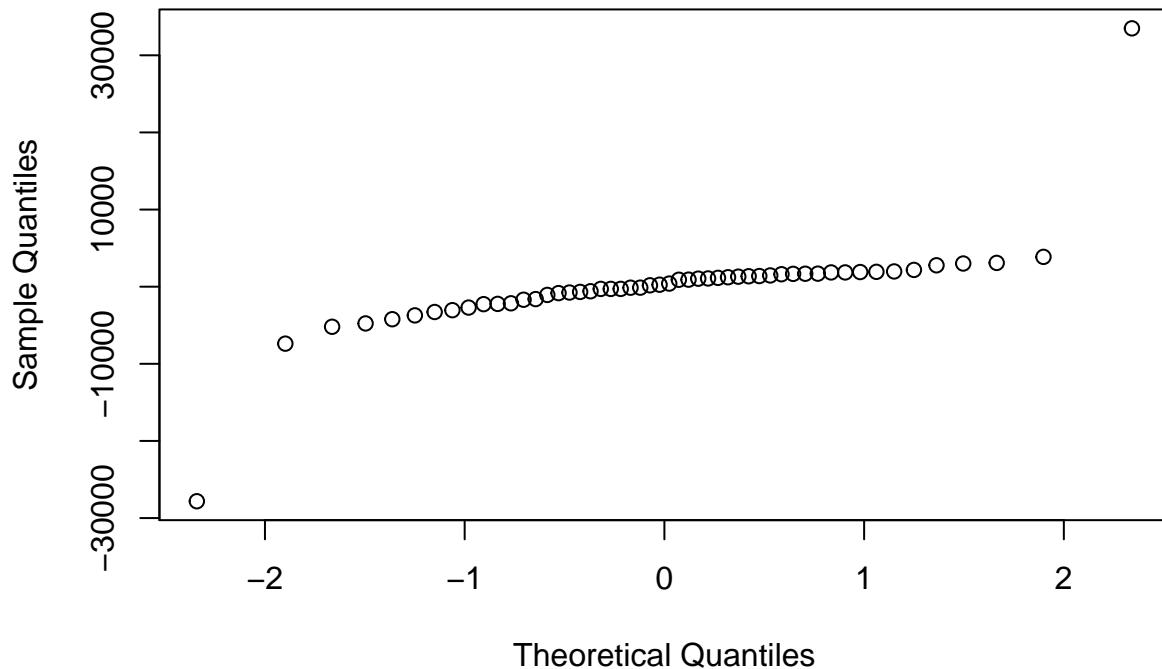
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.num.fireruns  
Plot of PFNAtransEthnicity**



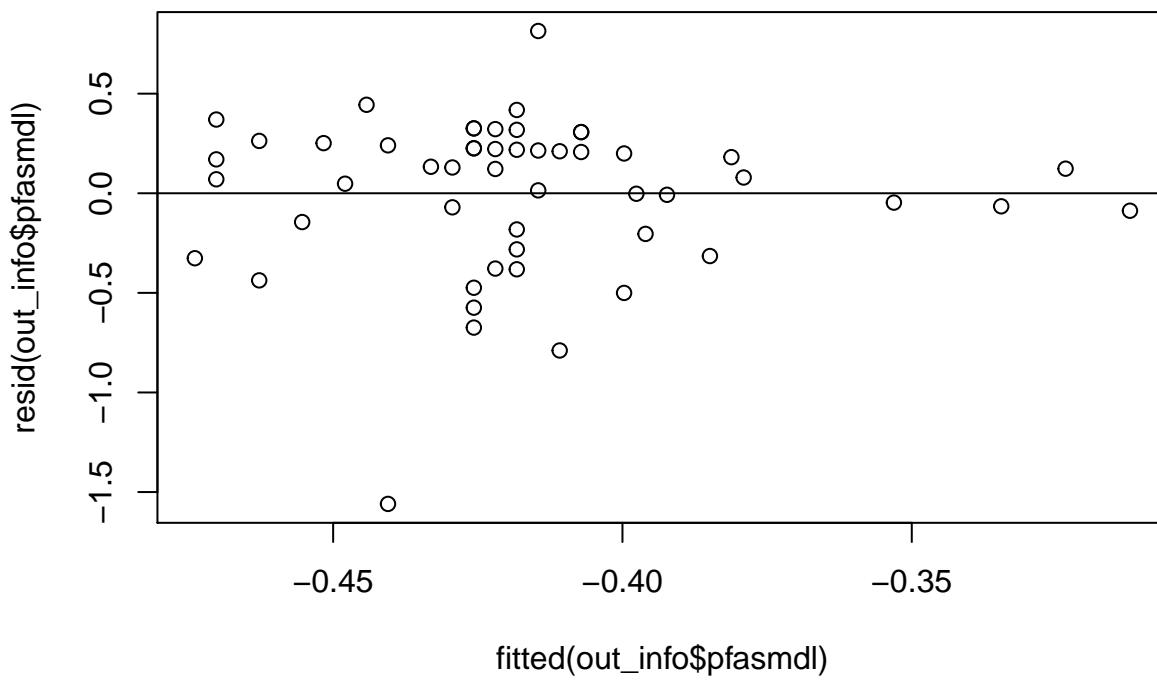
**Normal Q-Q Plot**



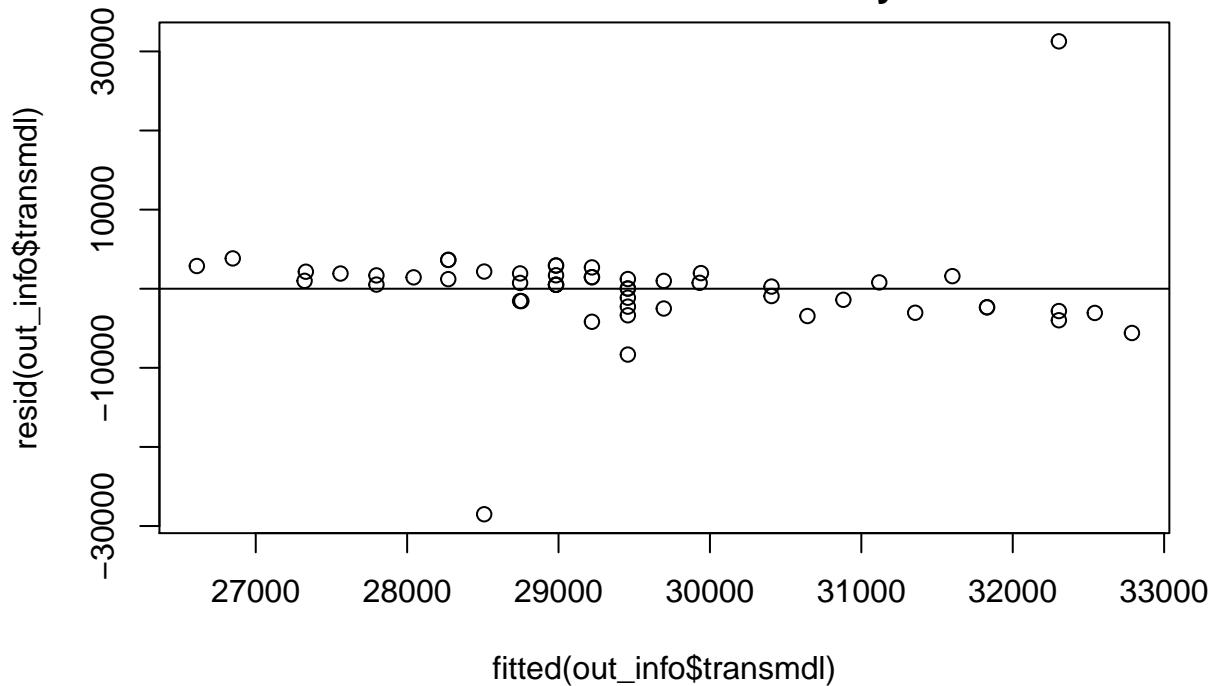
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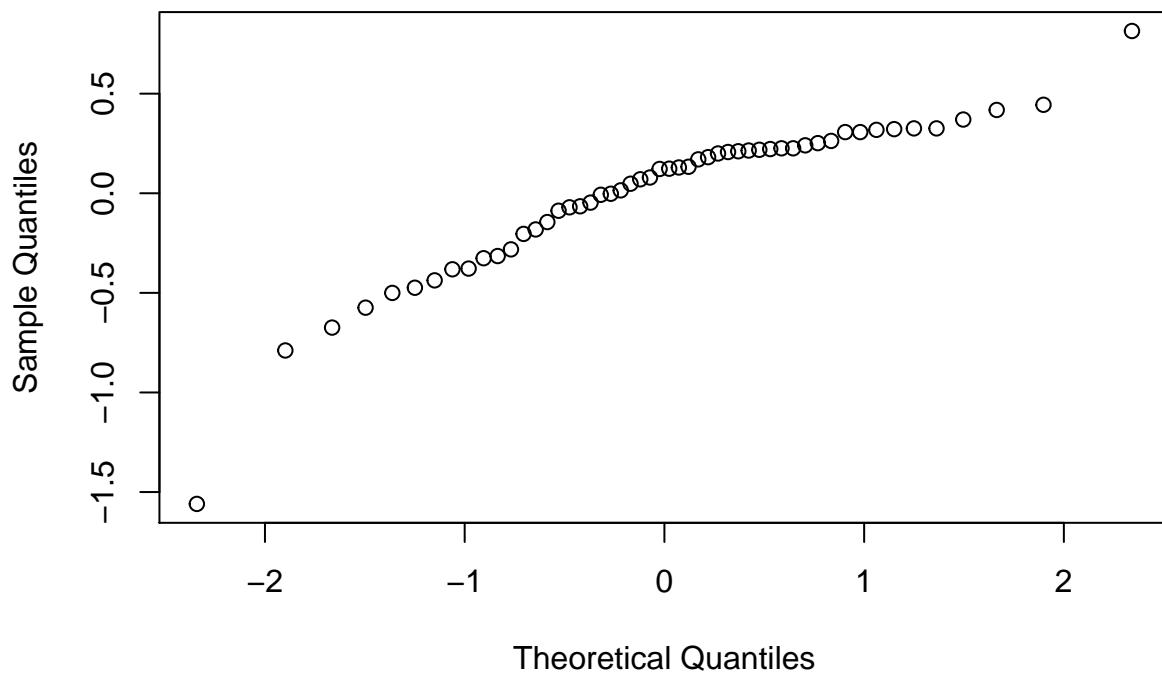
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.num.fireruns  
Plot of SmPFO\$origEthnicity

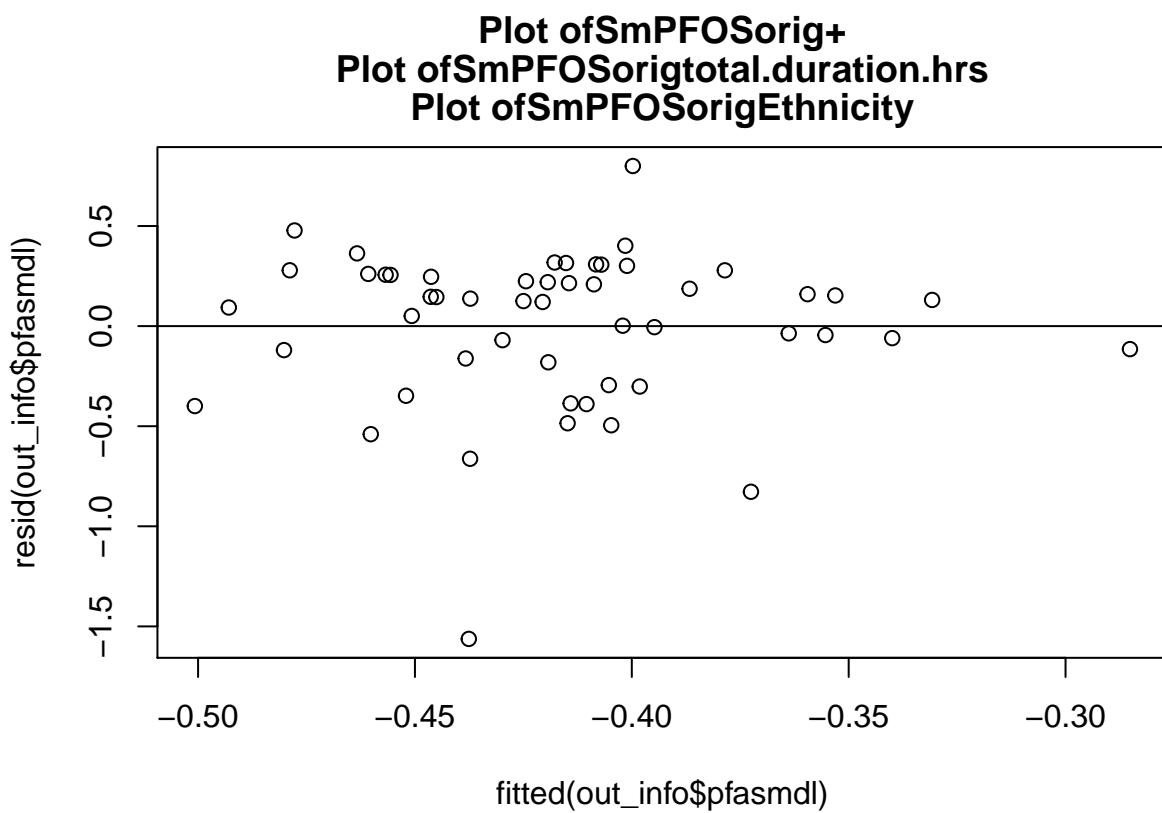
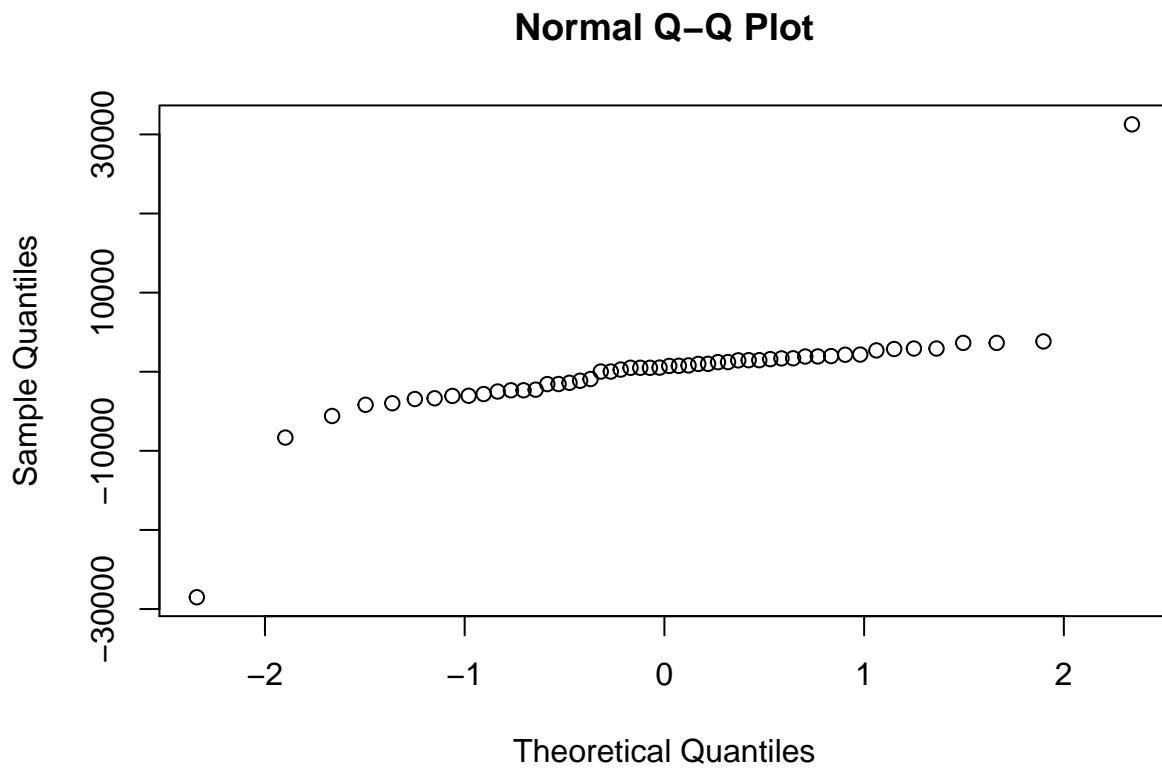


**Plot of PFNAtrans+  
Plot of PFNAtransstr.num.fireruns  
Plot of PFNAtransEthnicity**

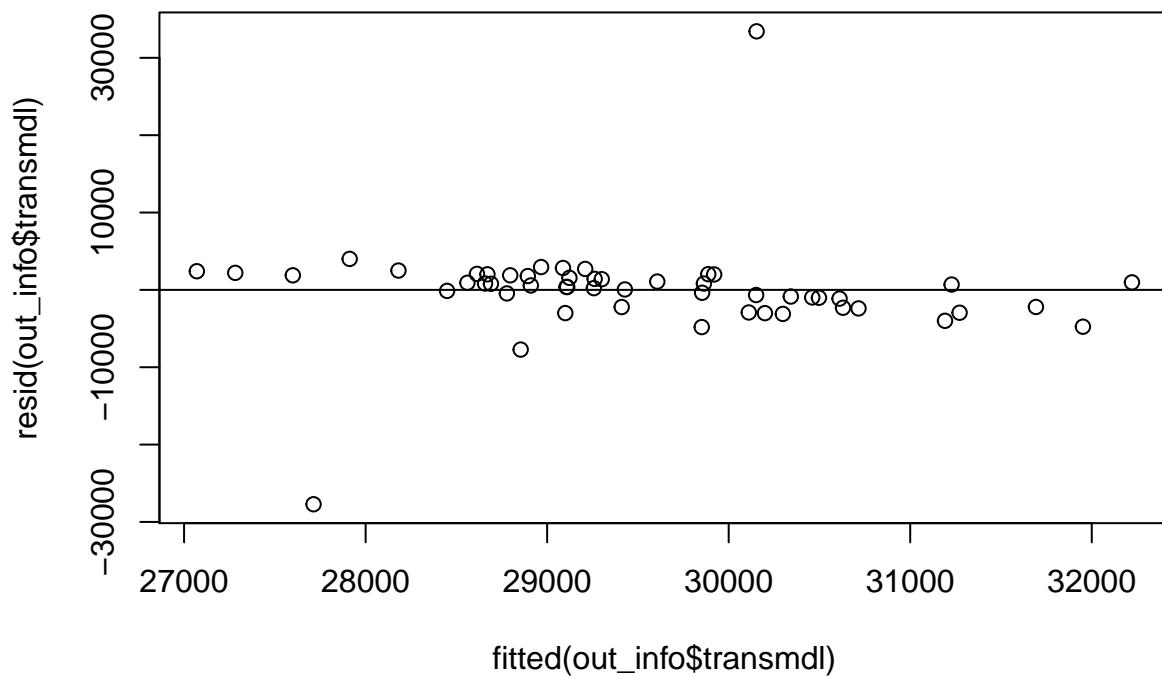


**Normal Q-Q Plot**

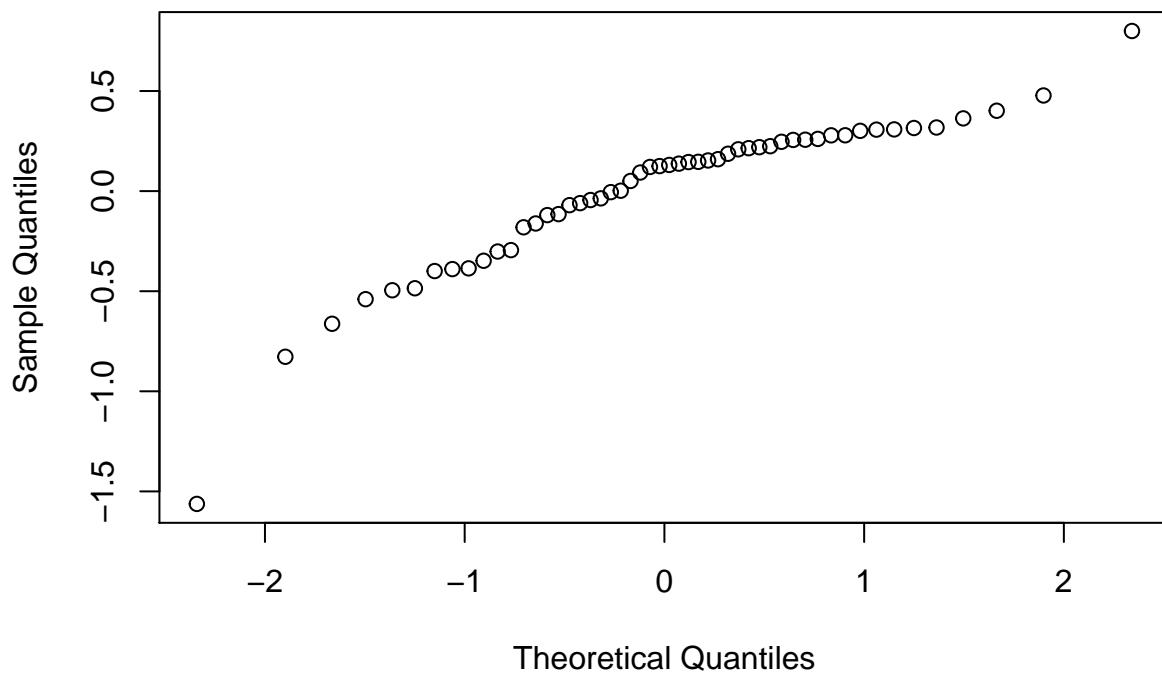




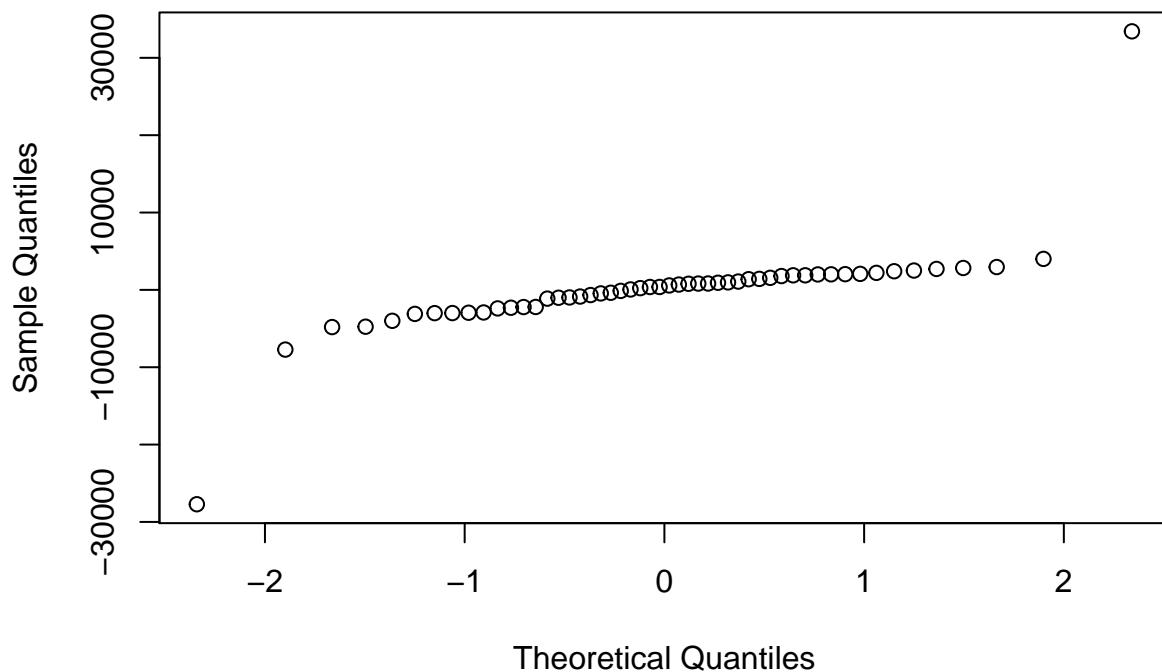
**Plot of PFNAtrans+  
Plot of PFNAtranstotal.duration.hrs  
Plot of PFNAtransEthnicity**



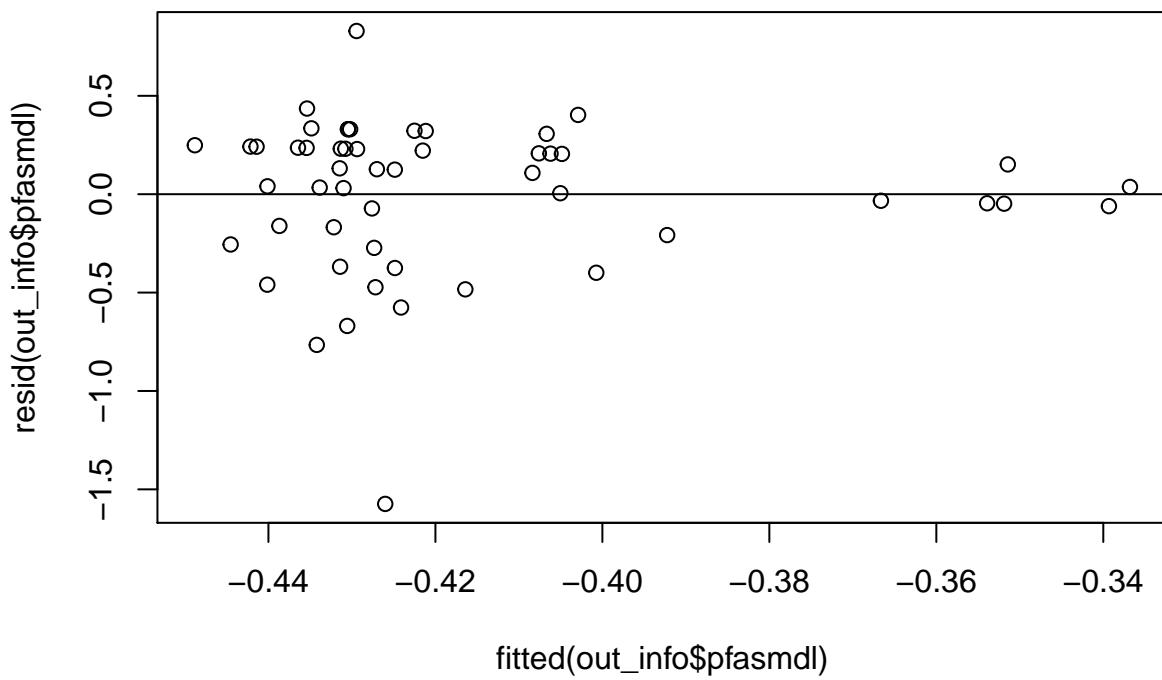
**Normal Q-Q Plot**



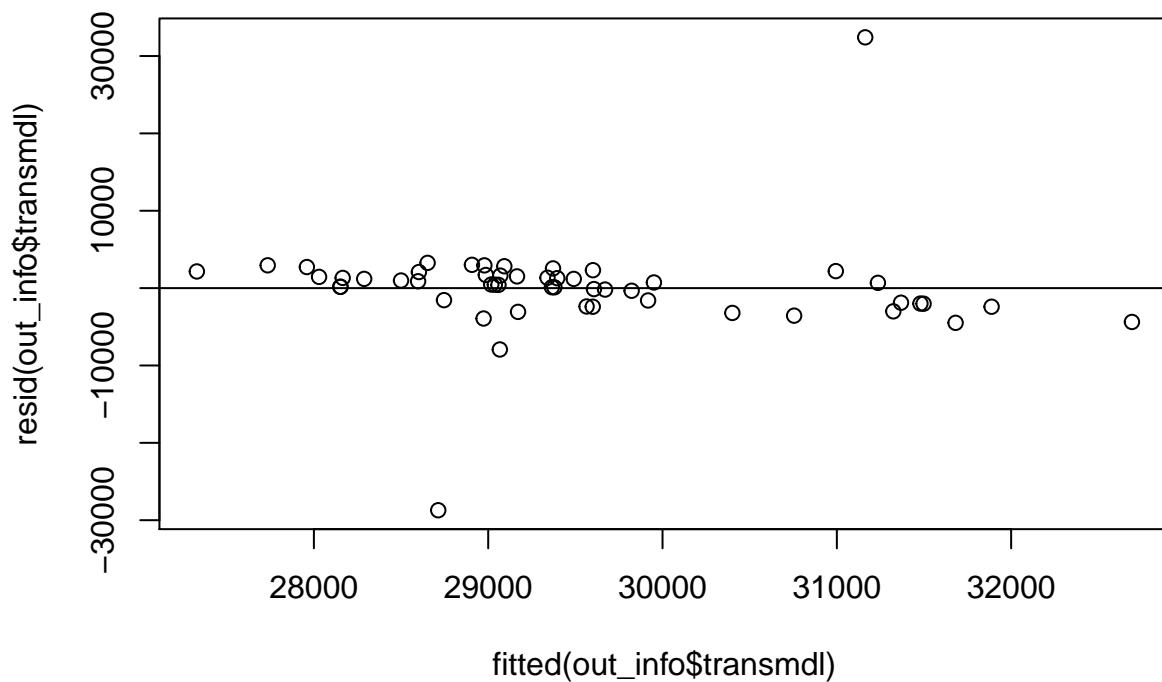
### Normal Q-Q Plot



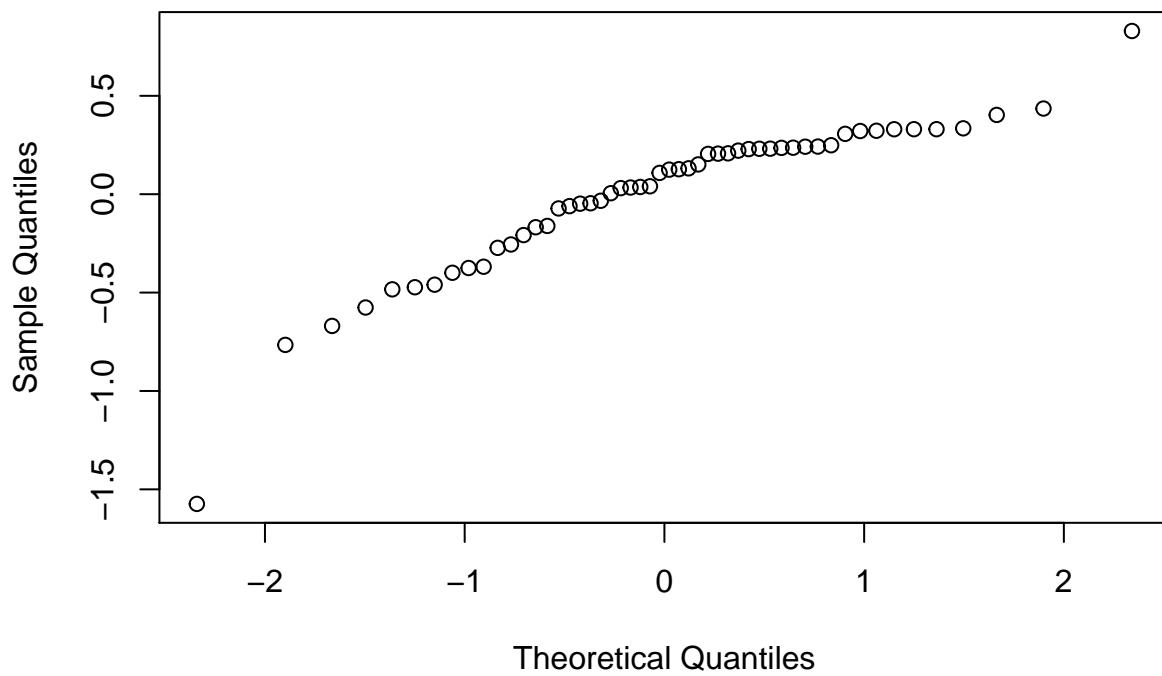
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.duration.hrs  
Plot of SmPFO\$origEthnicity



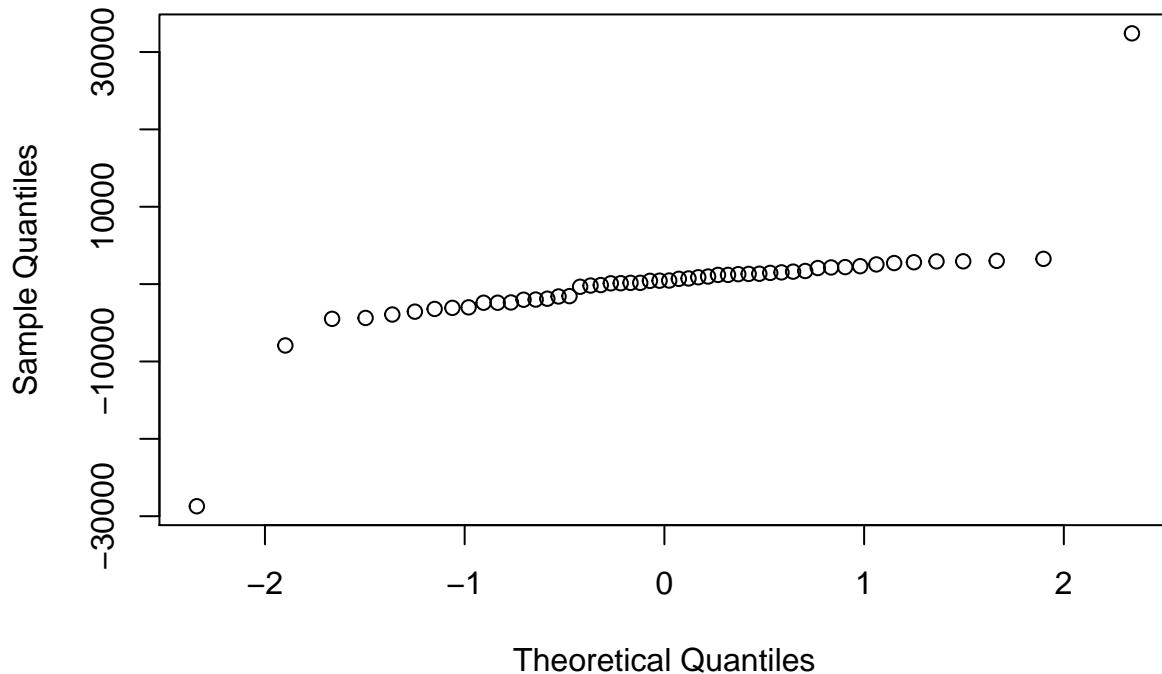
**Plot of PFNAtrans+  
Plot of PFNAtransstr.duration.hrs  
Plot of PFNAtransEthnicity**



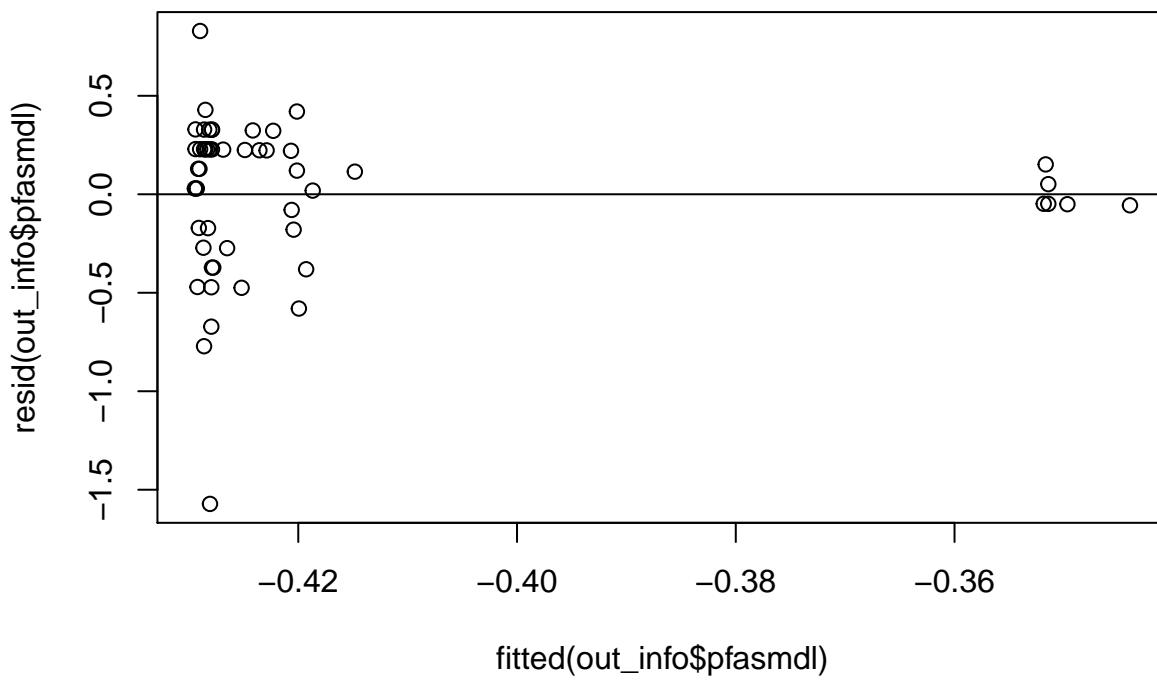
**Normal Q-Q Plot**



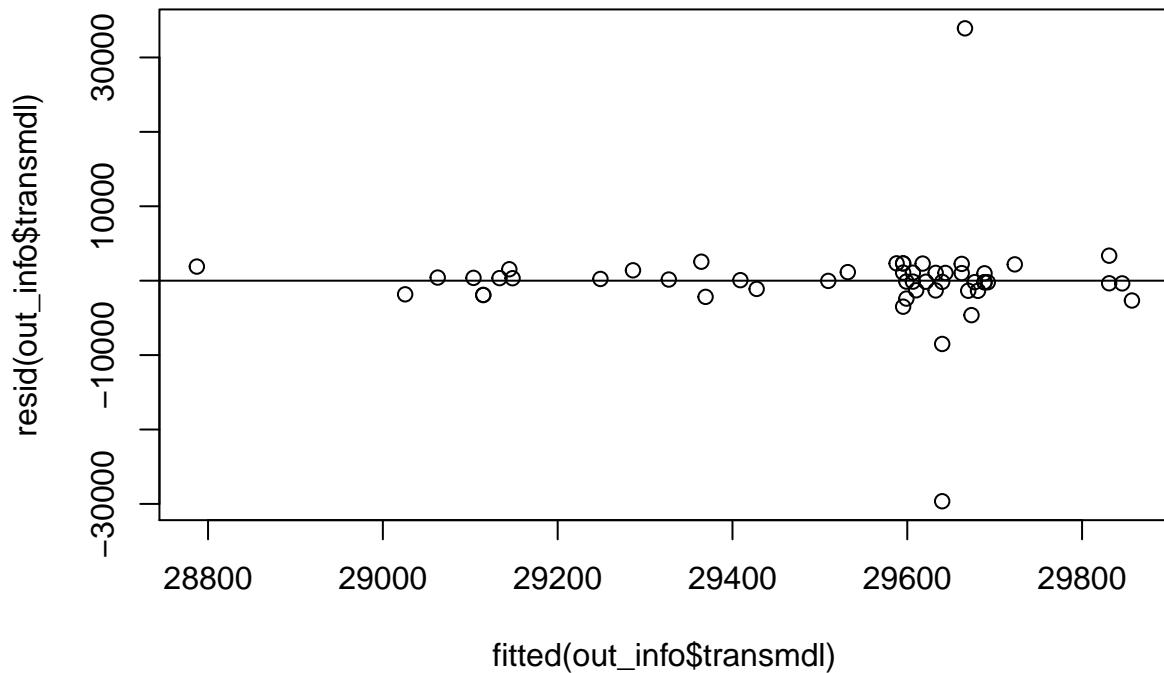
### Normal Q-Q Plot



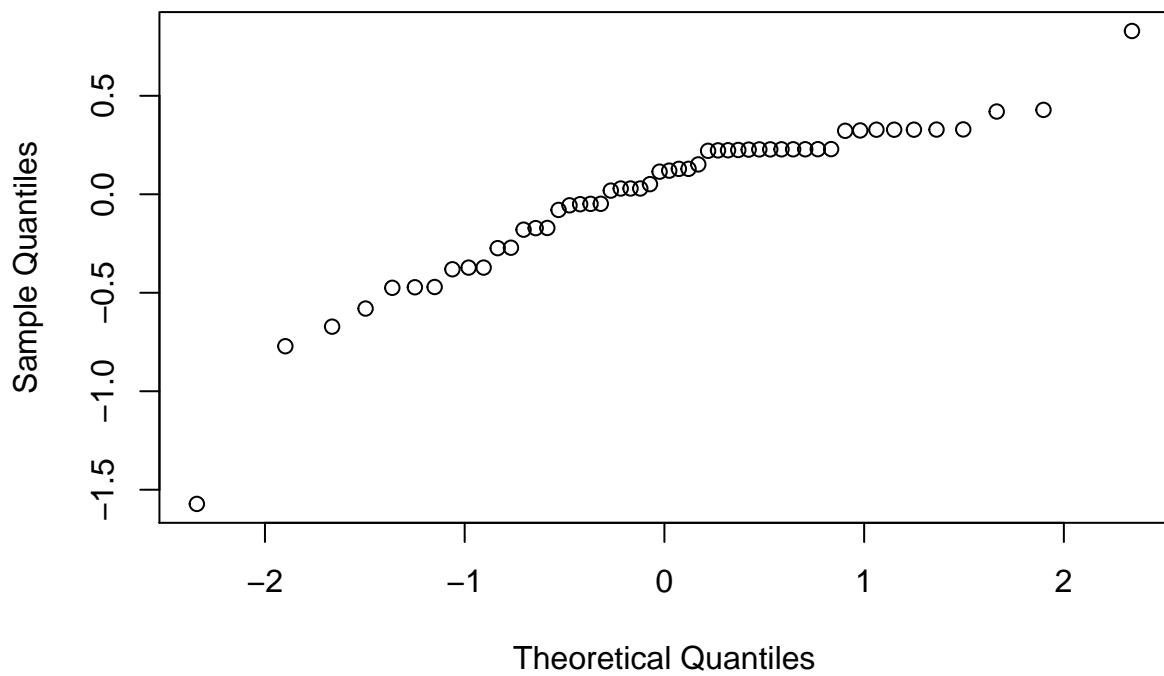
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.MRF  
Plot of SmPFO\$origEthnicity



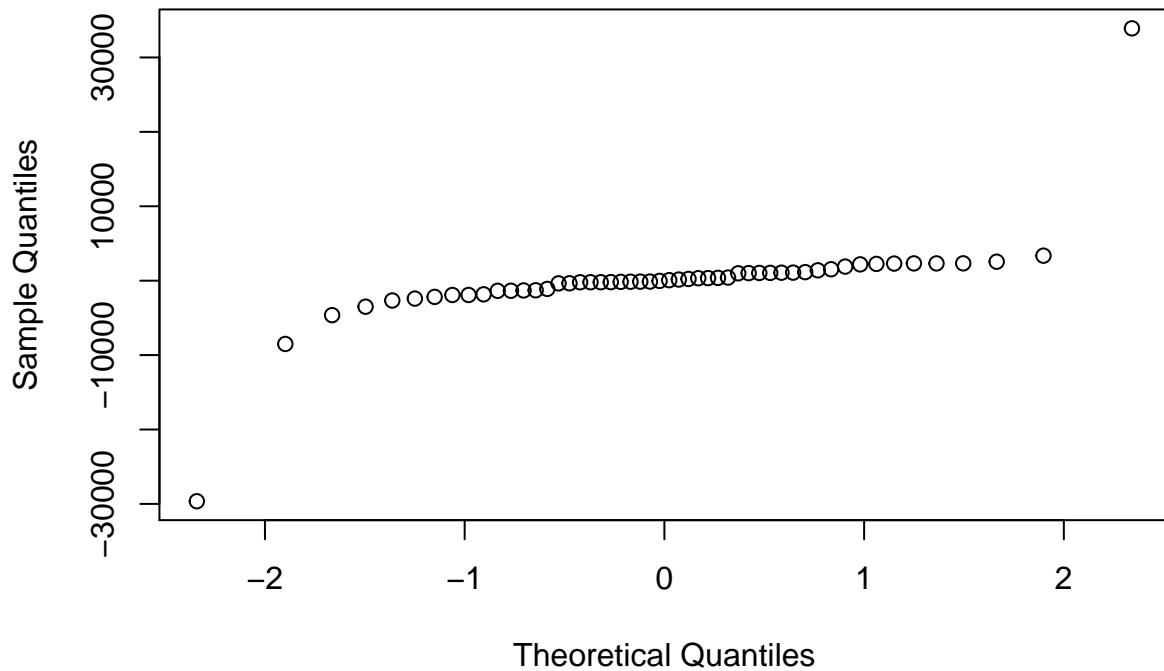
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.MRF  
Plot of PFNAtransEthnicity**



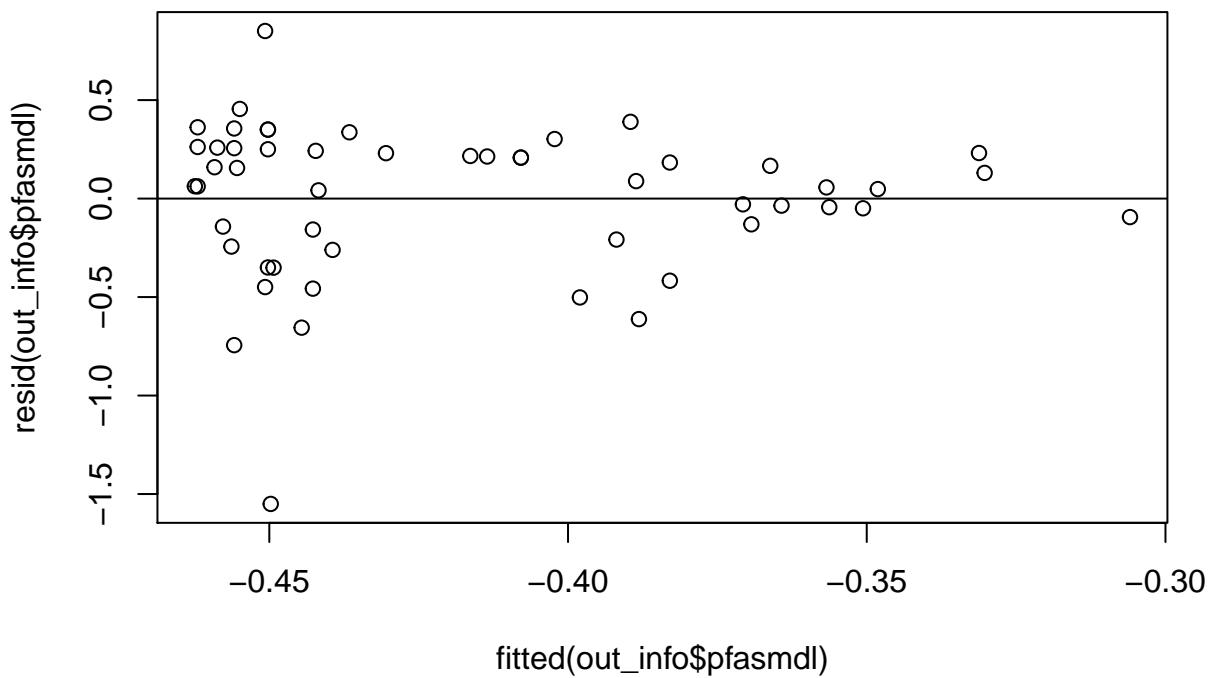
**Normal Q-Q Plot**



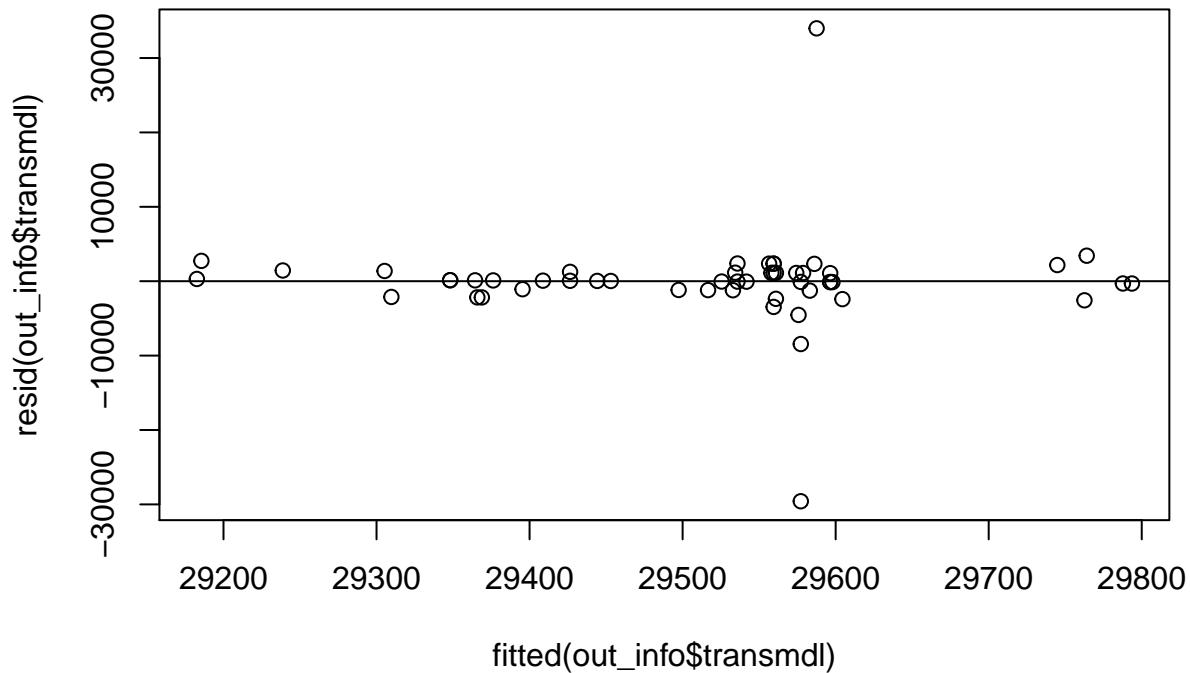
### Normal Q-Q Plot



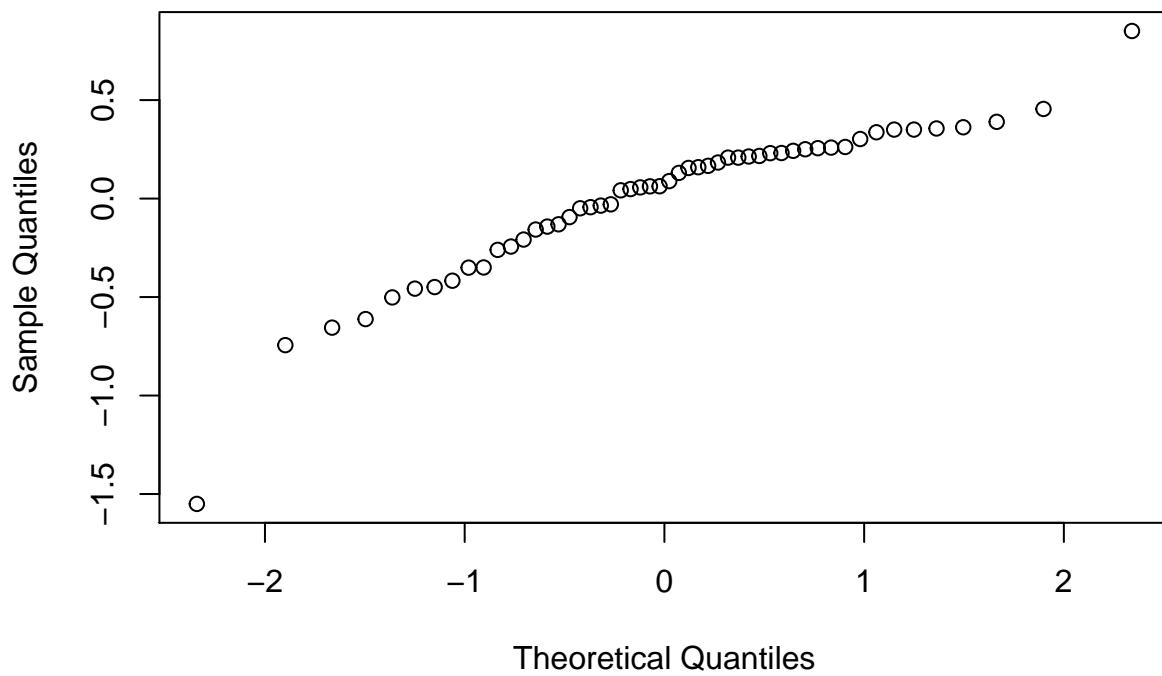
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.struc.MRF  
Plot of SmPFO\$origEthnicity



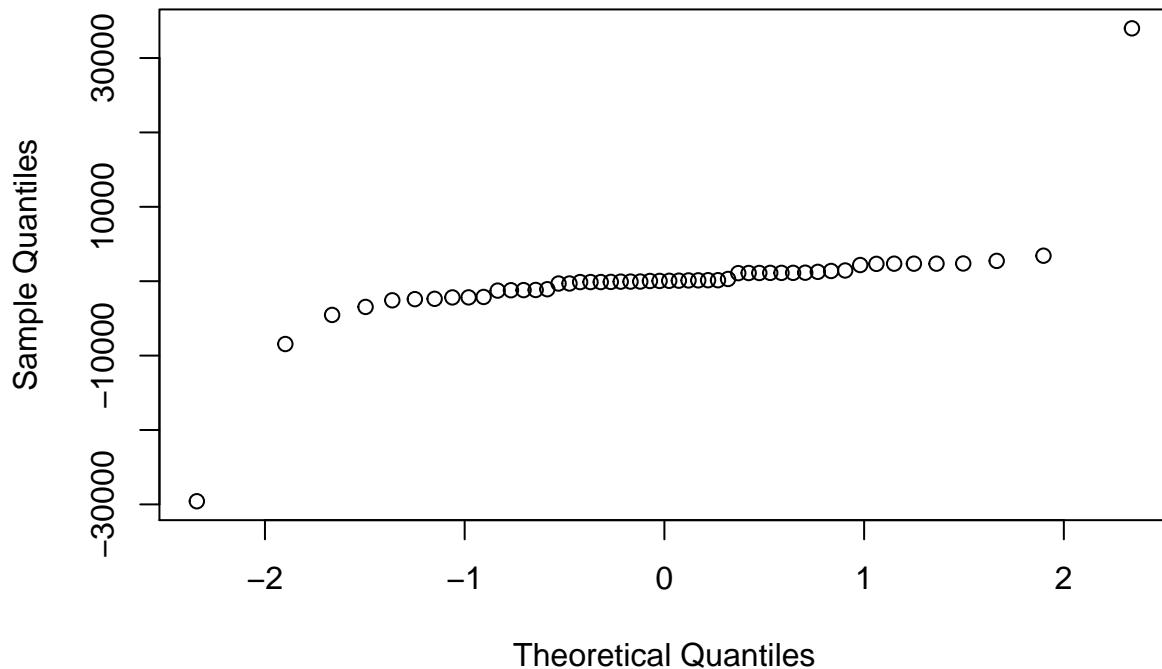
**Plot of PFNAtrans+  
Plot of PFNAtransdays.since.struc.MRF  
Plot of PFNAtransEthnicity**



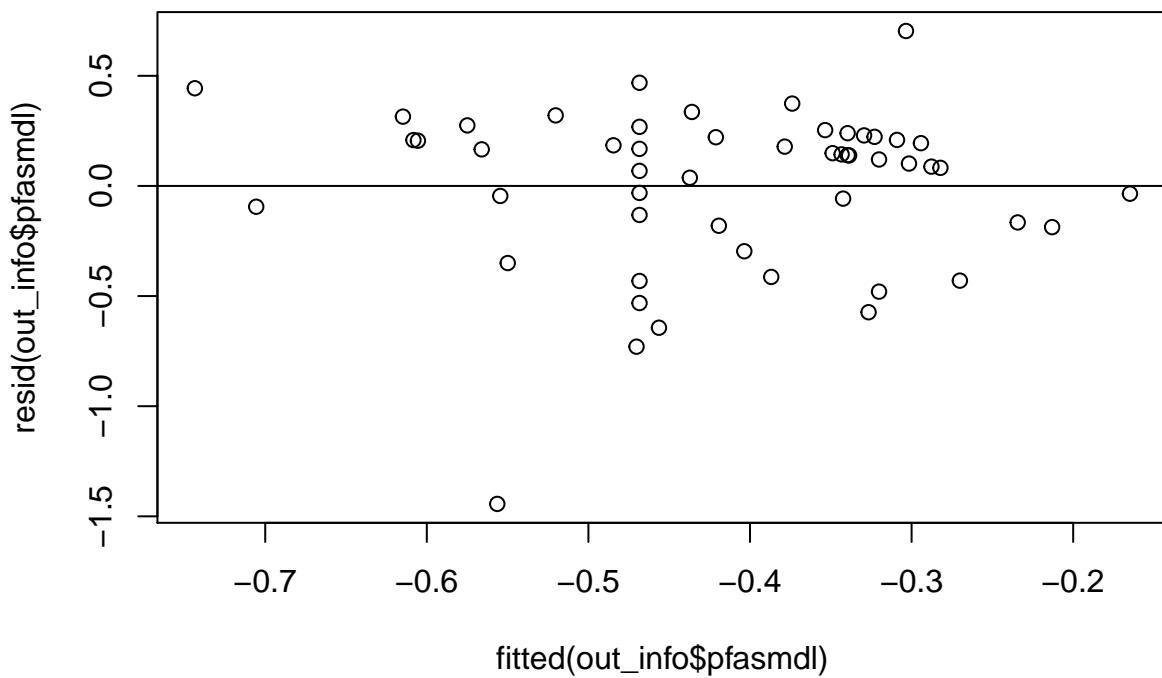
**Normal Q-Q Plot**



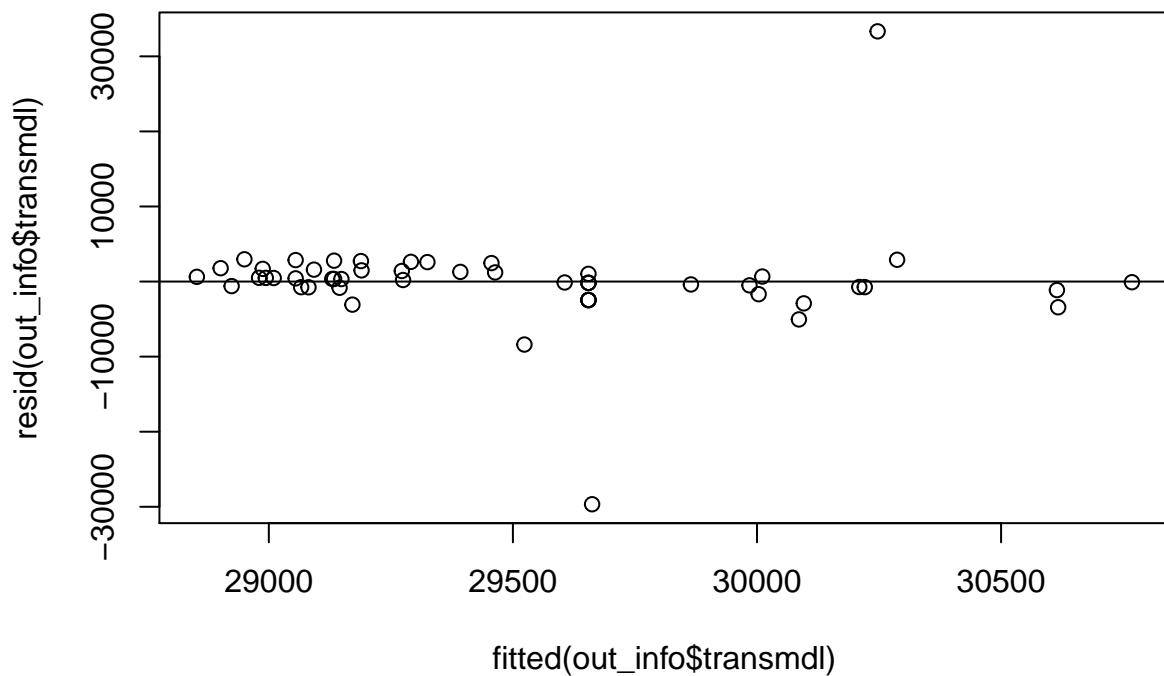
### Normal Q-Q Plot



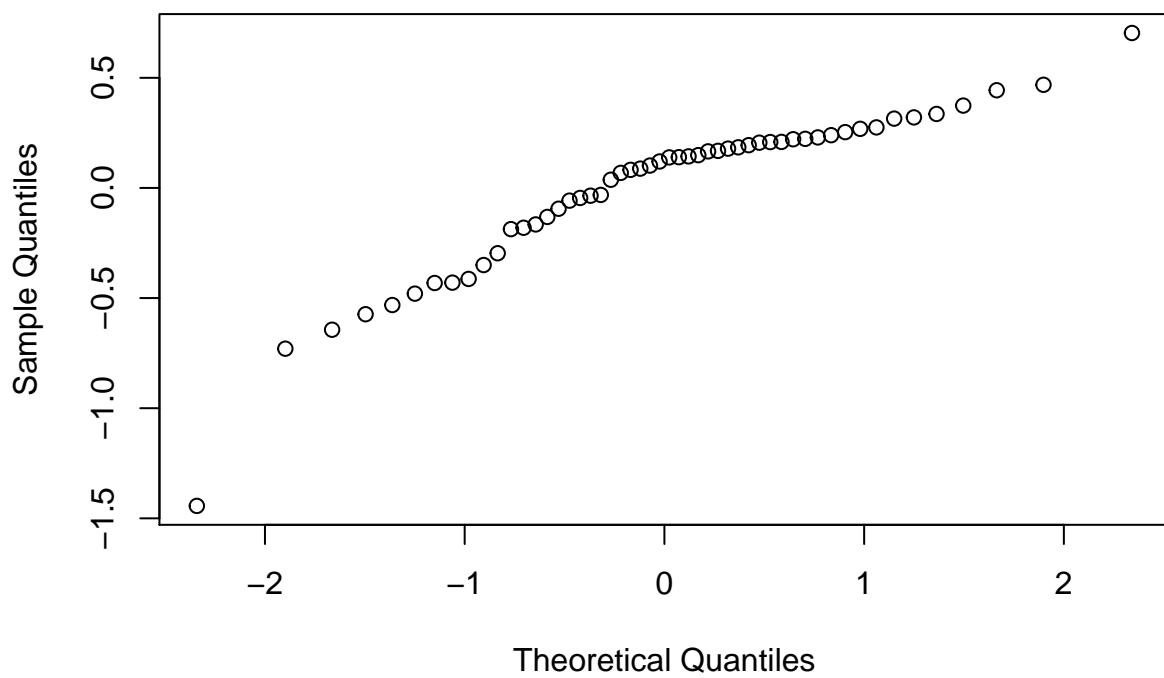
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$time.since.baseline  
Plot of SmPFO\$orig\$Ethnicity



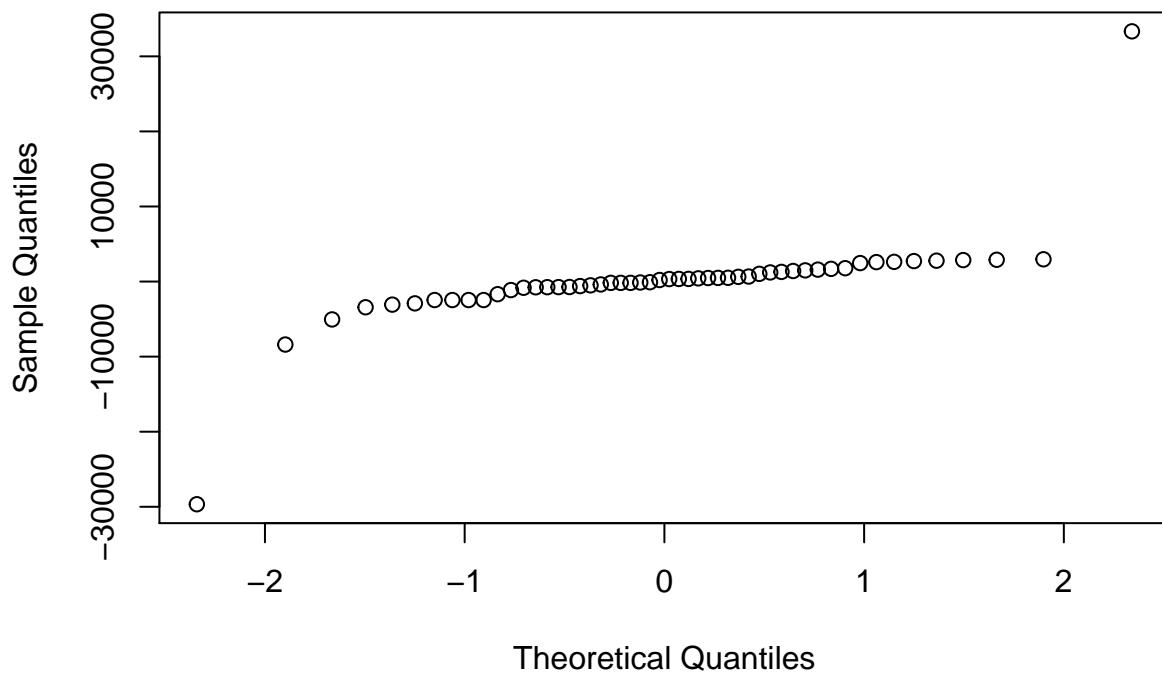
**Plot of PFNAtrans+  
Plot of PFNAtranstime.since.baseline  
Plot of PFNAtransEthnicity**



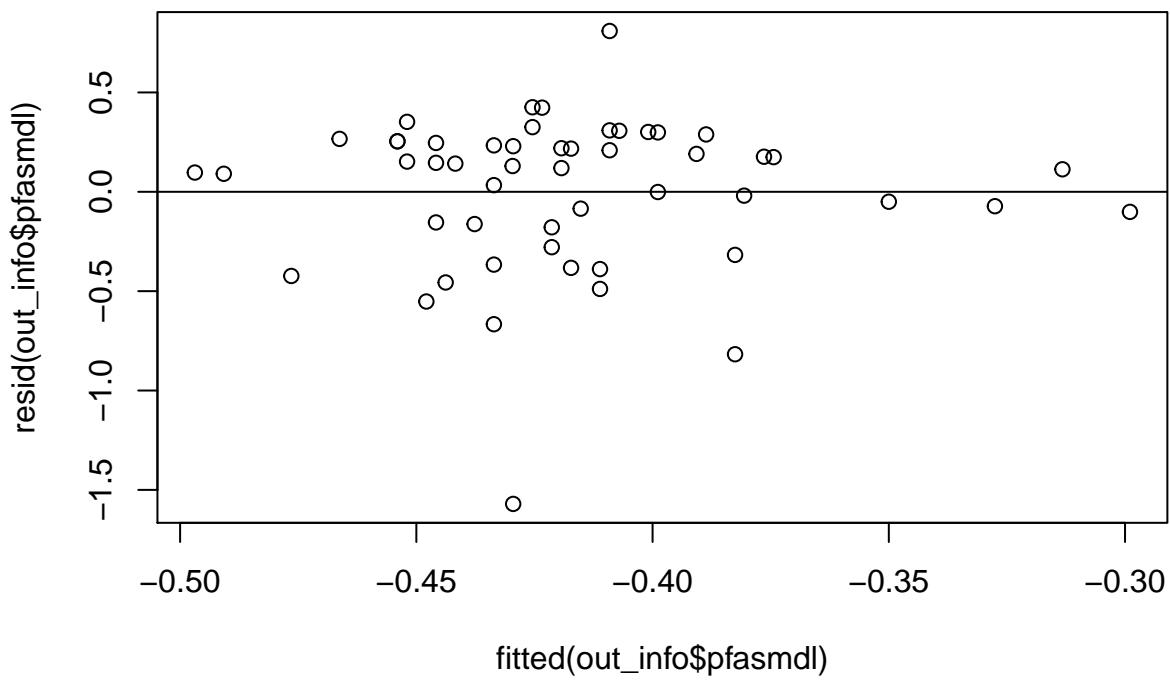
**Normal Q-Q Plot**



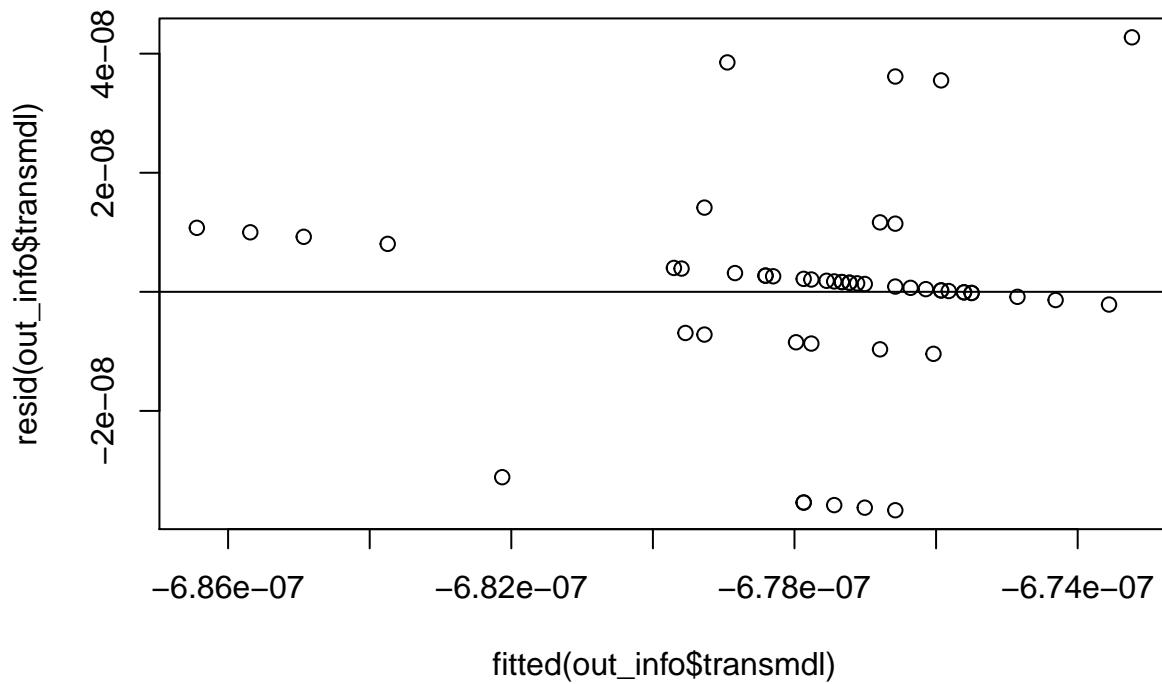
### Normal Q-Q Plot



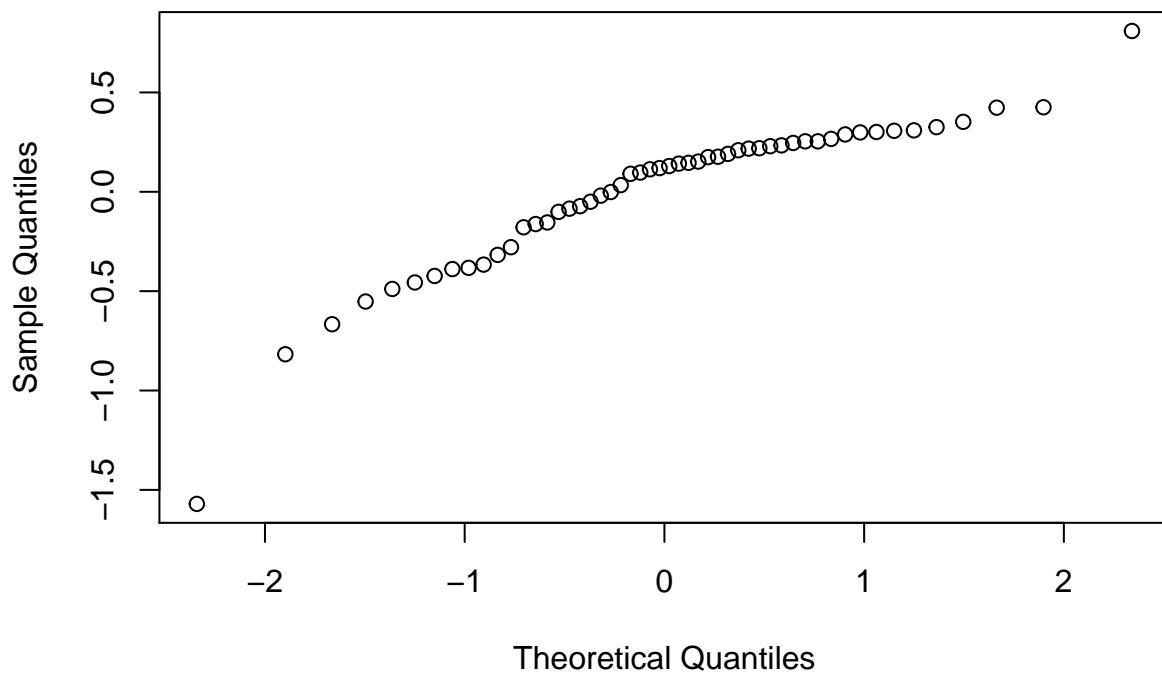
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity

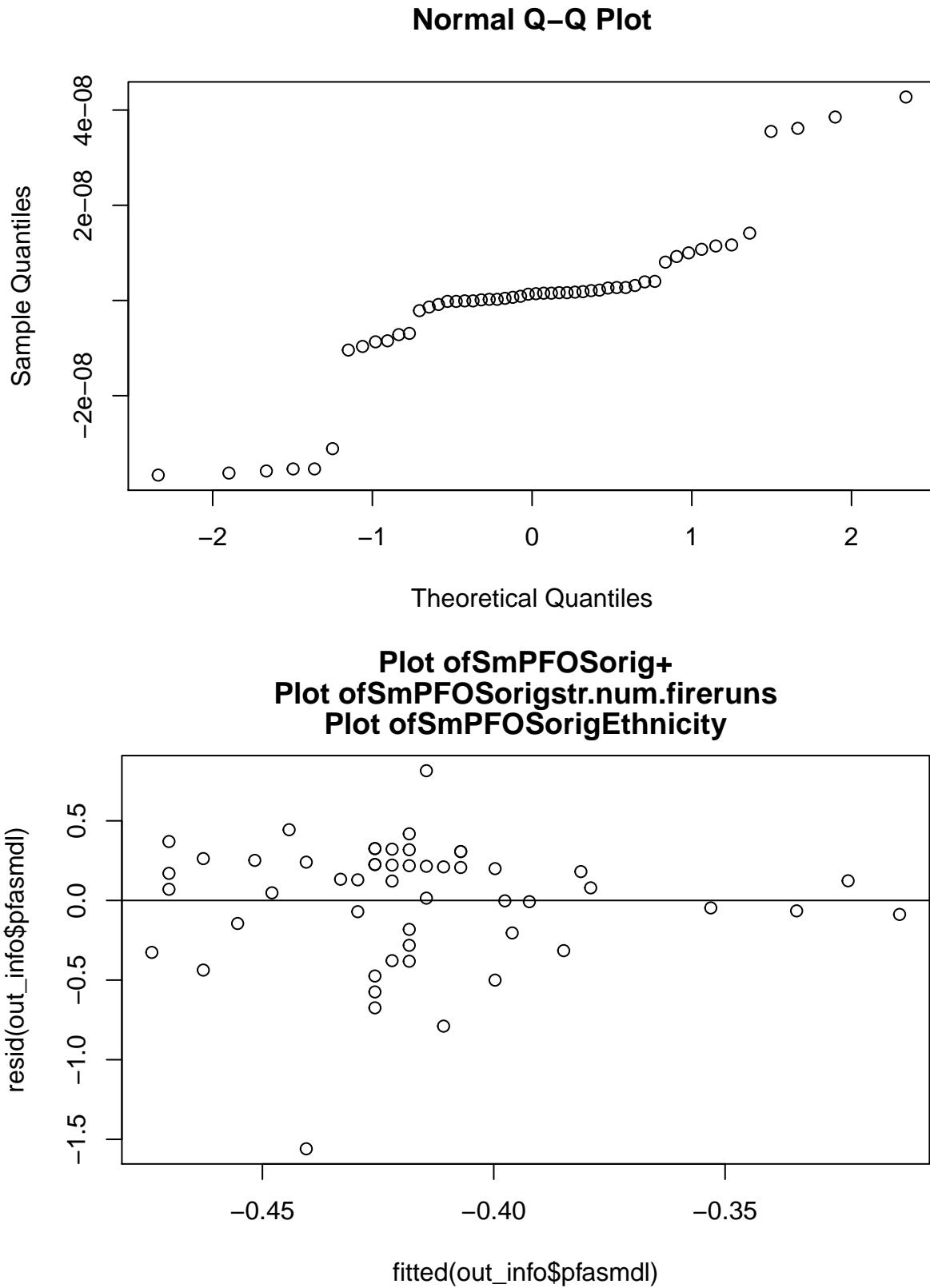


**Plot of PFUATrans+  
Plot of PFUATranstotal.num.fireruns  
Plot of PFUATransEthnicity**

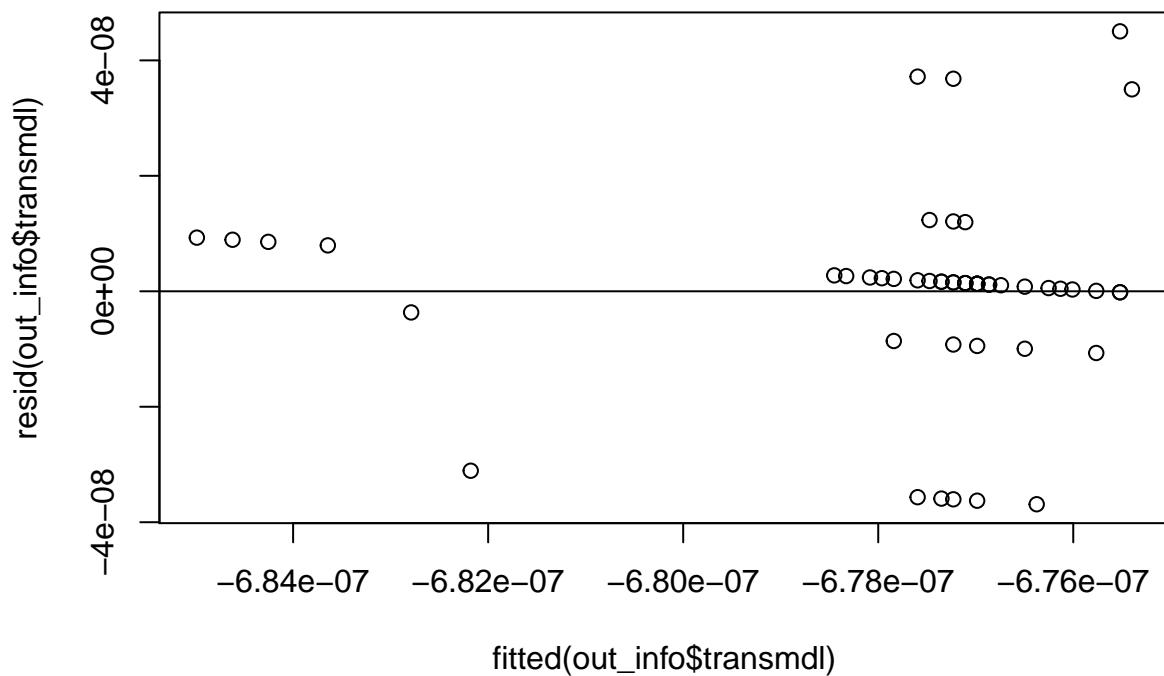


**Normal Q-Q Plot**

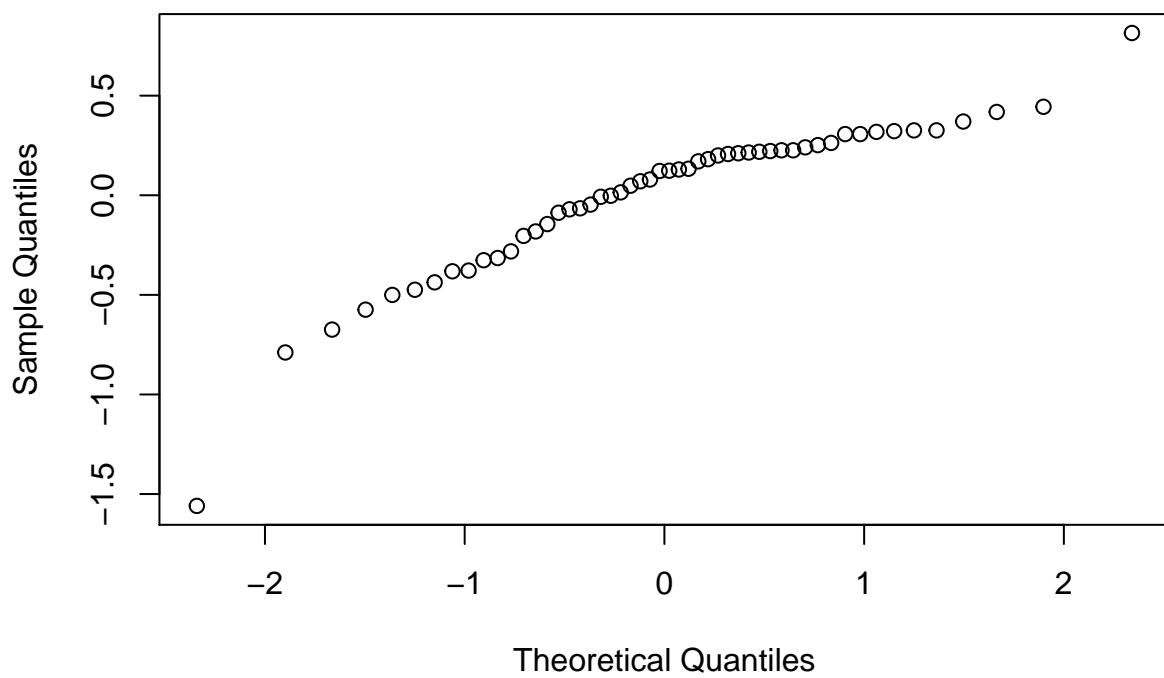




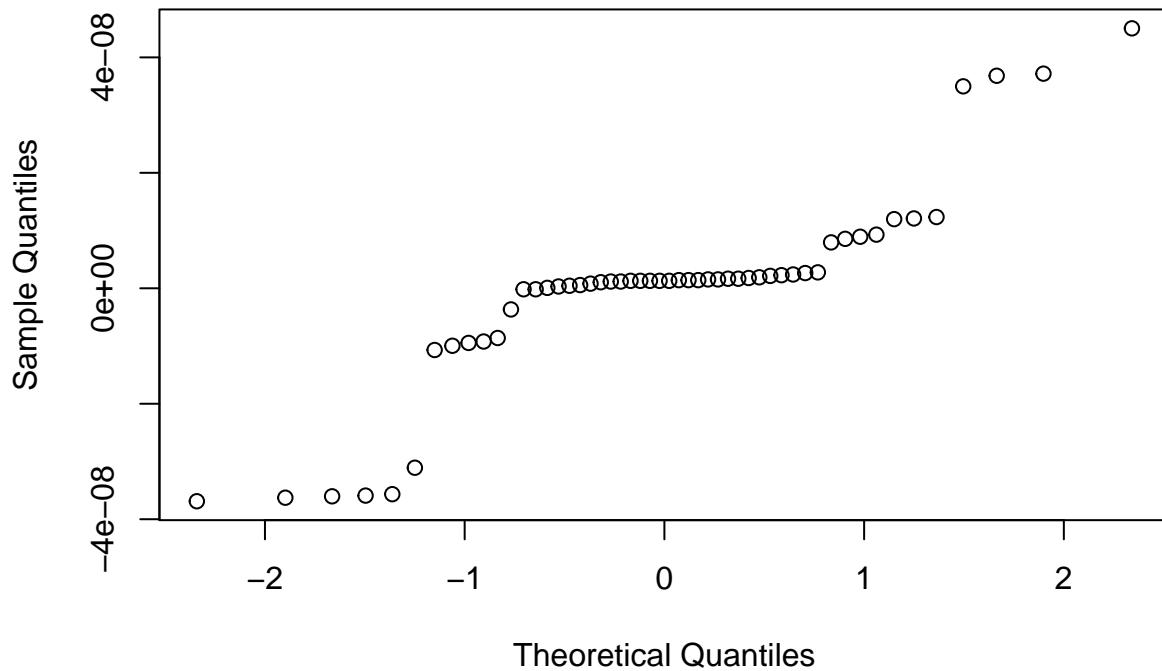
**Plot of PFUATrans+  
Plot of PFUATransstr.num.fireruns  
Plot of PFUATransEthnicity**



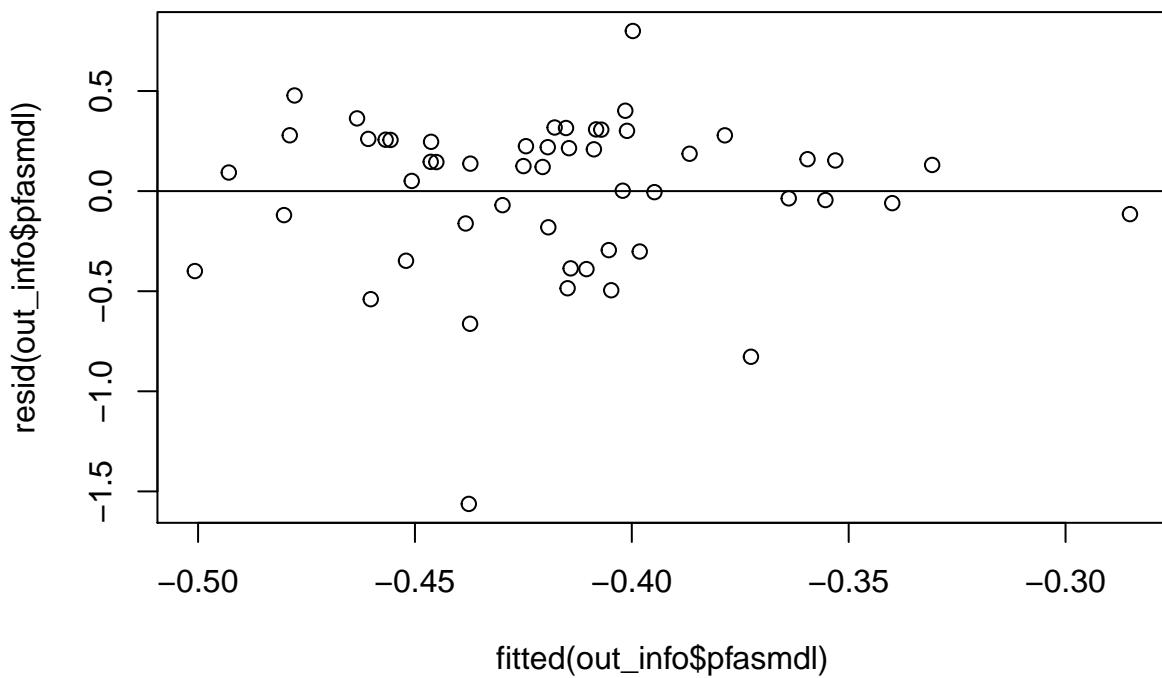
**Normal Q-Q Plot**



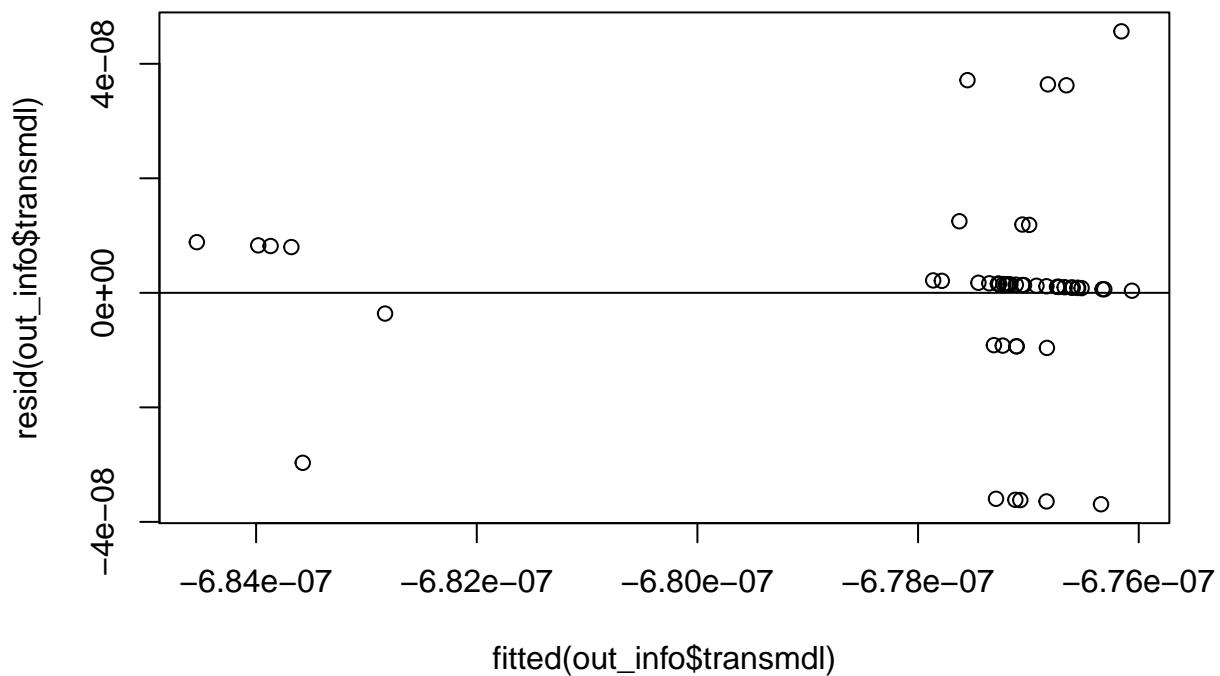
### Normal Q-Q Plot



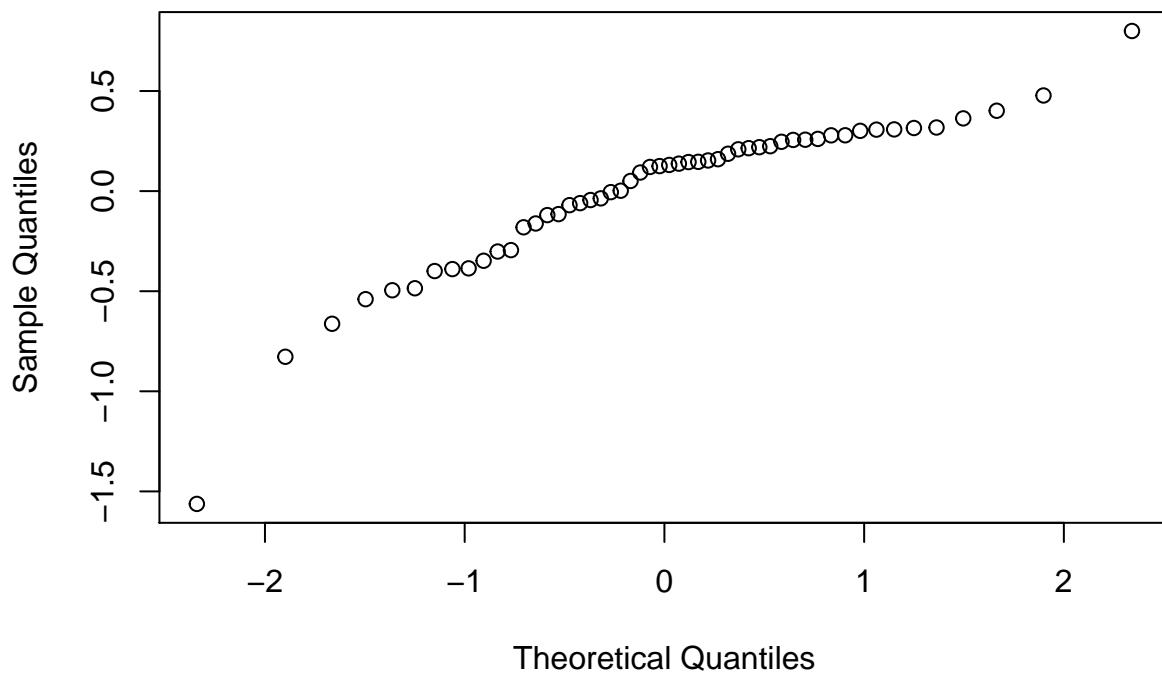
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$total.duration.hrs  
Plot of SmPFO\$orig\$Ethnicity



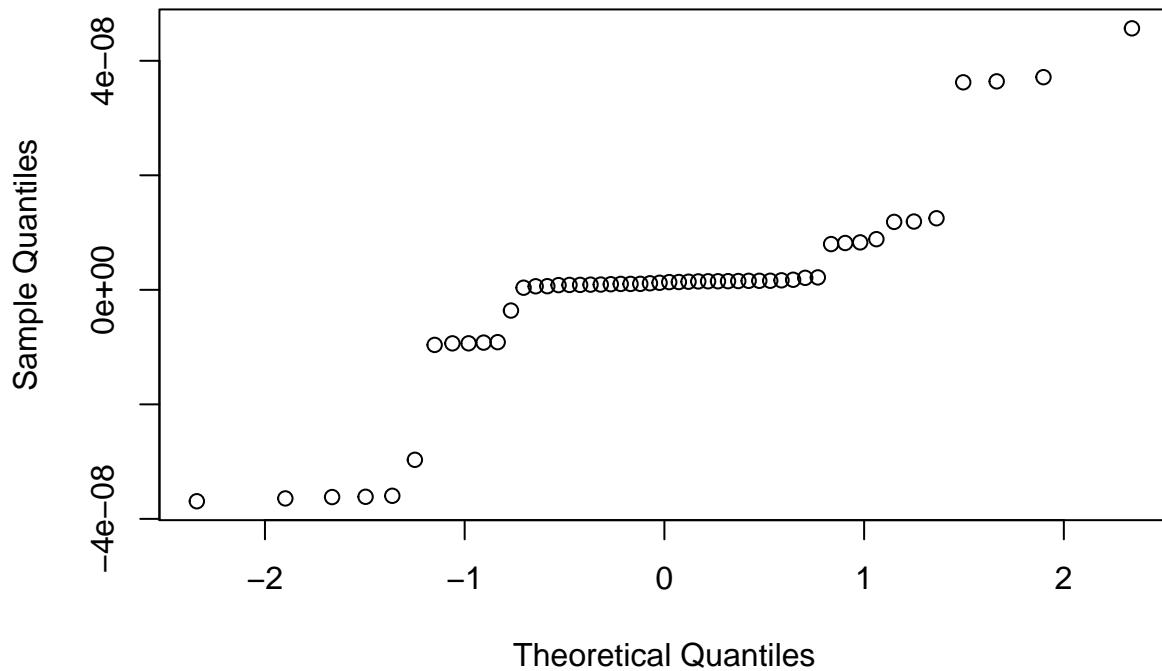
**Plot of PFUATrans+  
Plot of PFUATranstotal.duration.hrs  
Plot of PFUATransEthnicity**



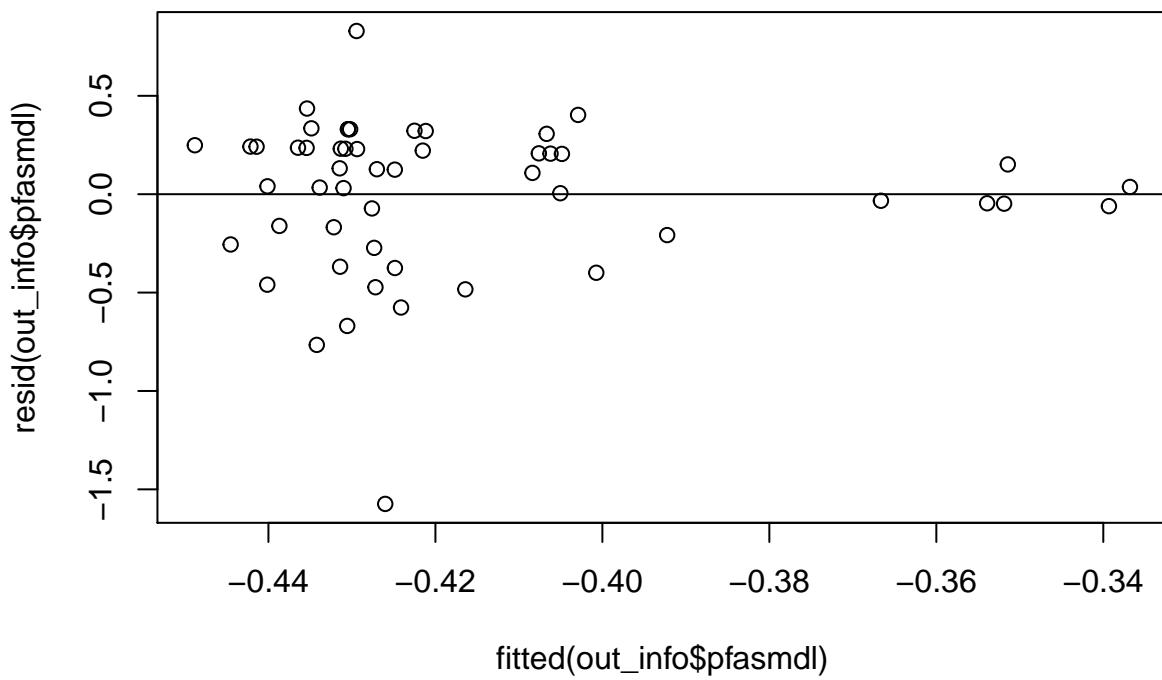
**Normal Q-Q Plot**



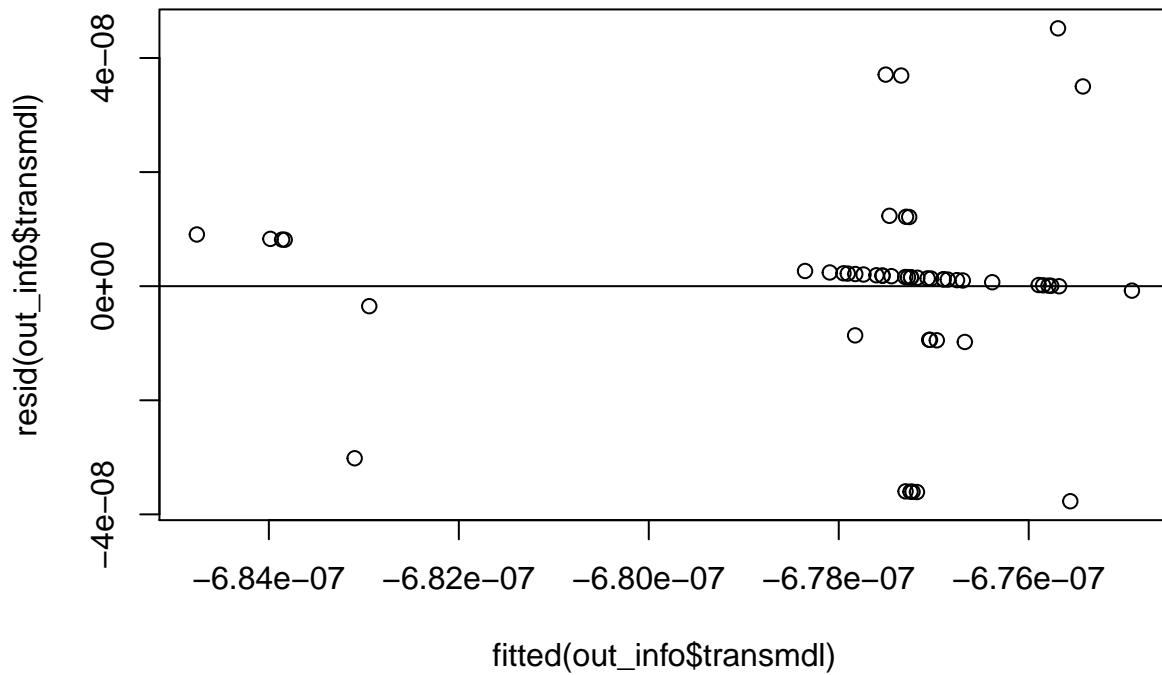
### Normal Q-Q Plot



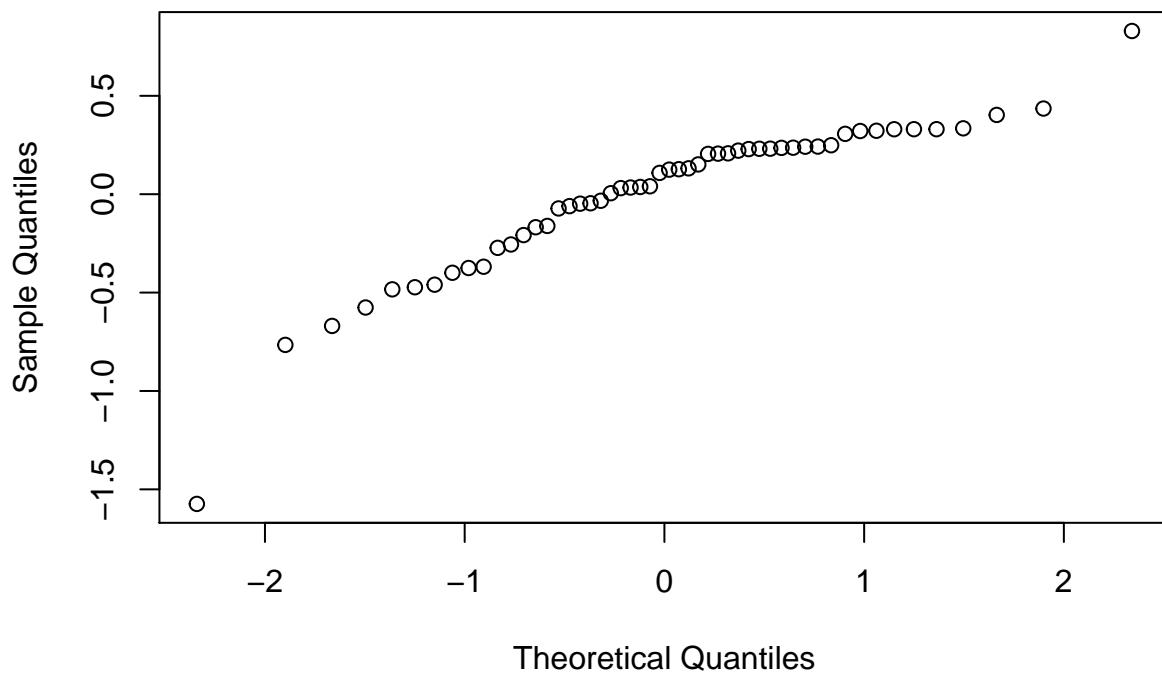
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.duration.hrs  
Plot of SmPFO\$origEthnicity



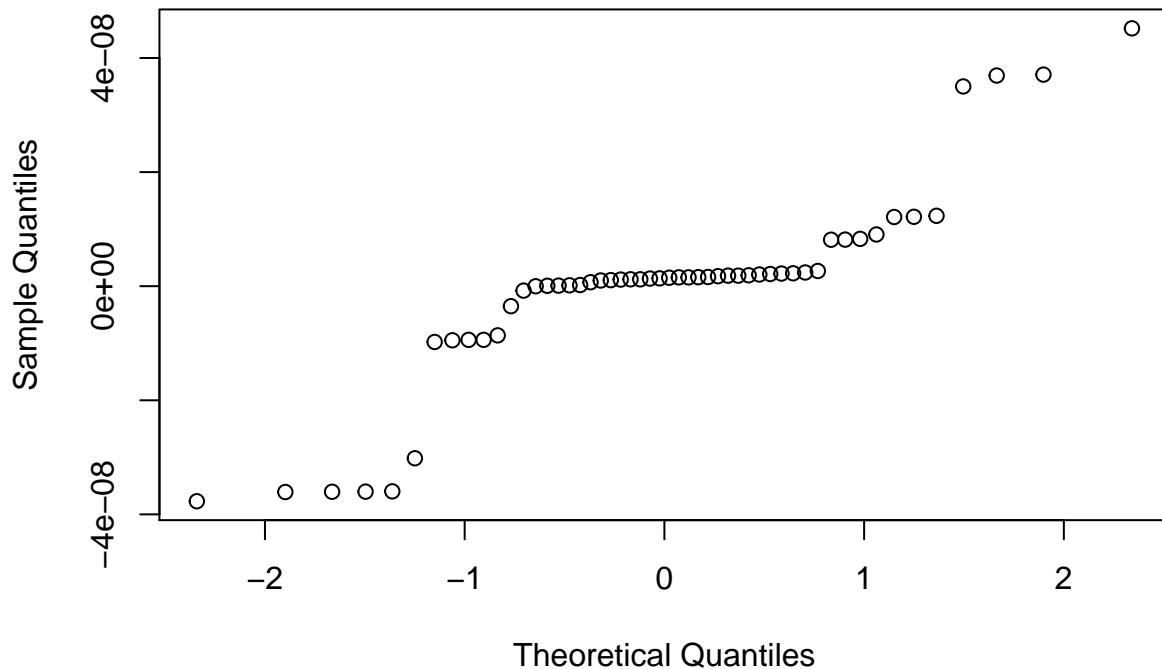
**Plot of PFUATrans+  
Plot of PFUATransstr.duration.hrs  
Plot of PFUATransEthnicity**



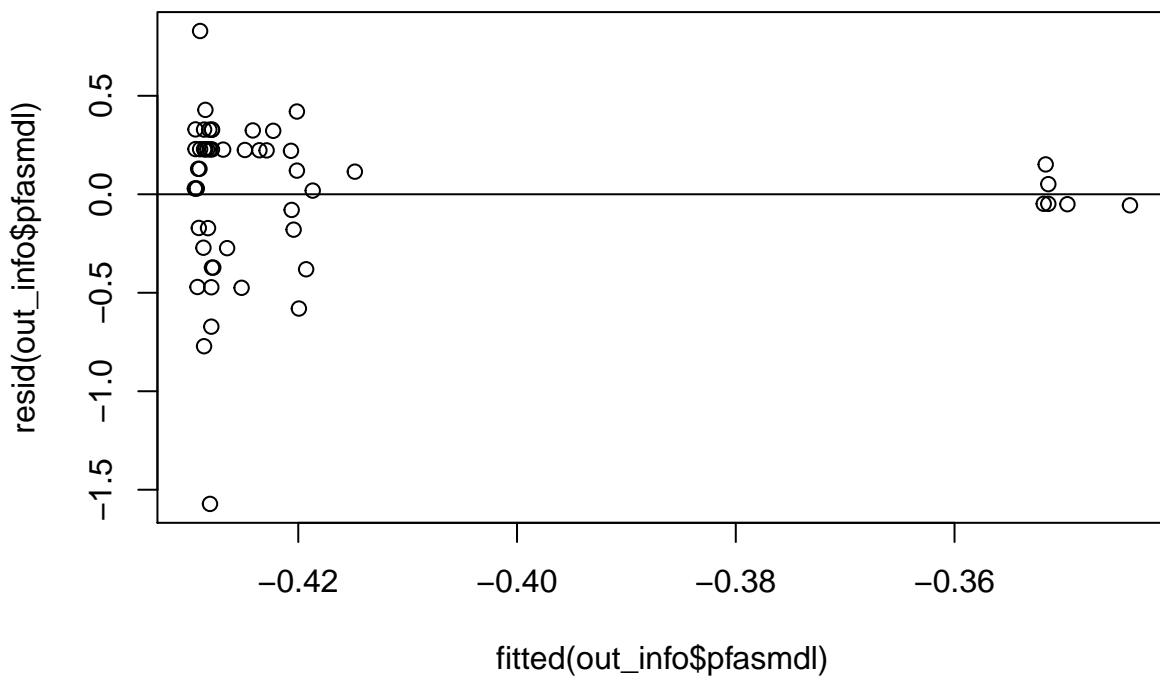
**Normal Q-Q Plot**



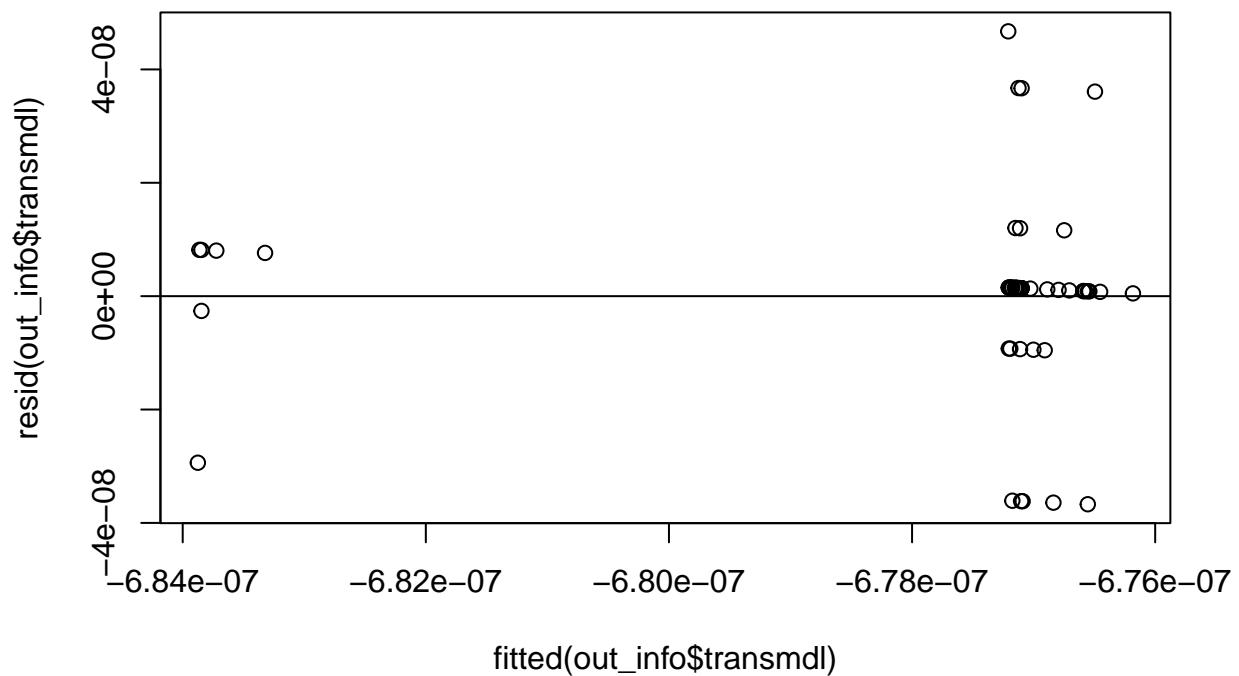
### Normal Q-Q Plot



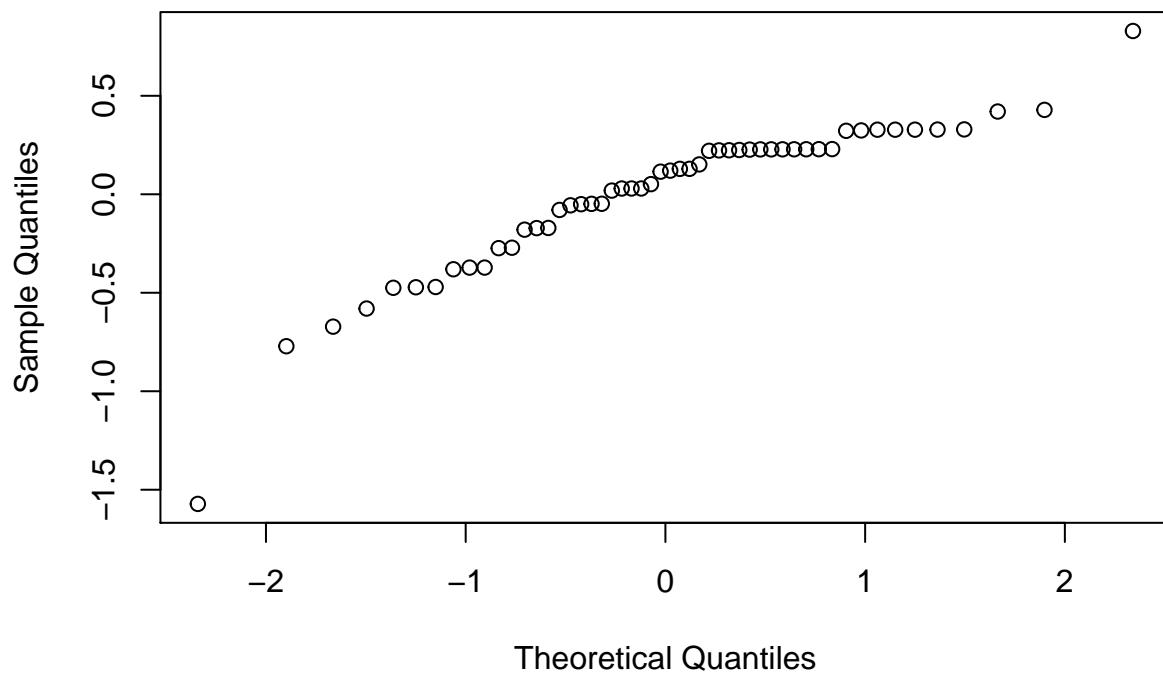
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.MRF  
Plot of SmPFO\$origEthnicity



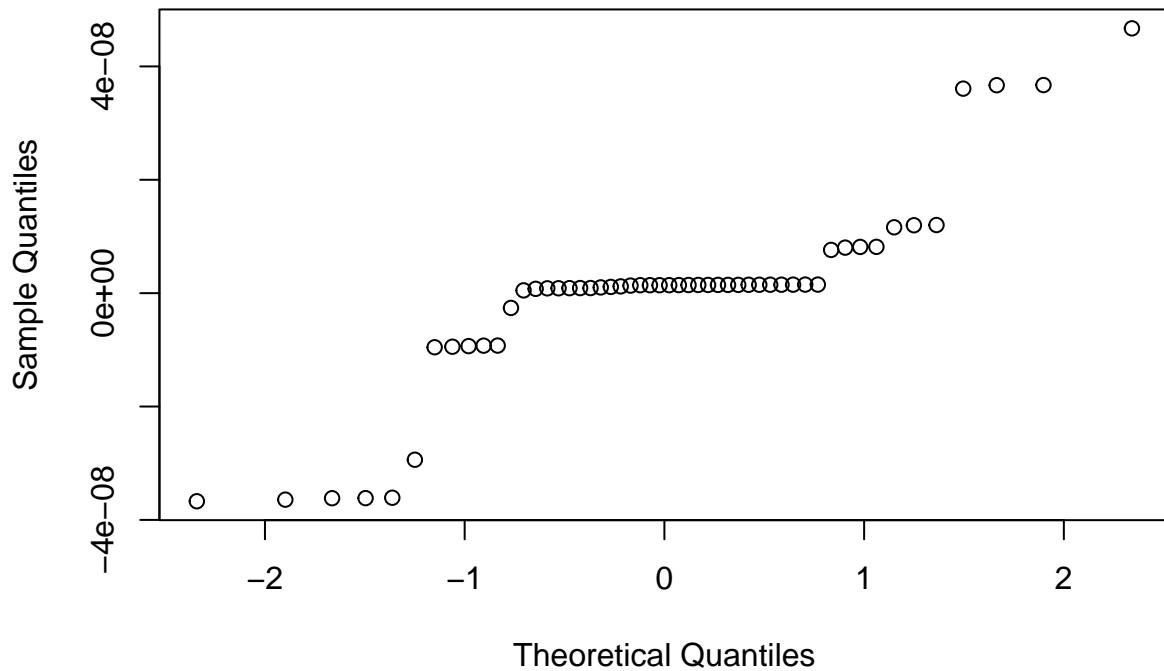
**Plot of PFUATrans+  
Plot of PFUATransdays.since.MRF  
Plot of PFUATransEthnicity**



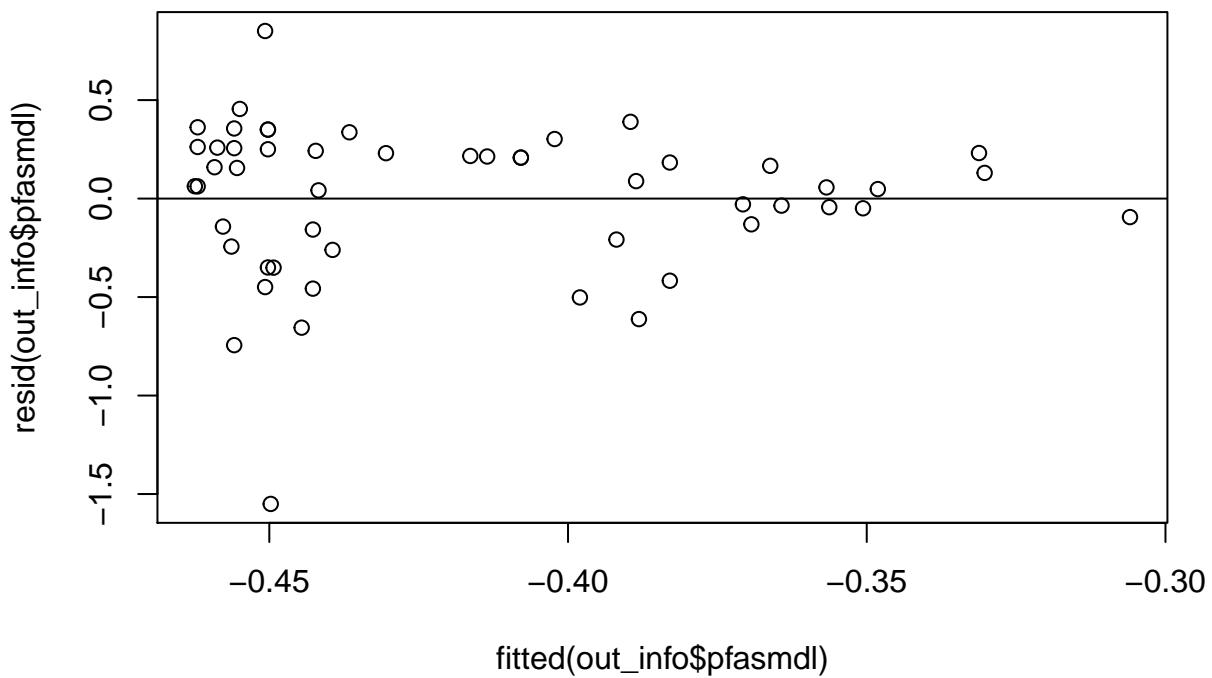
**Normal Q-Q Plot**



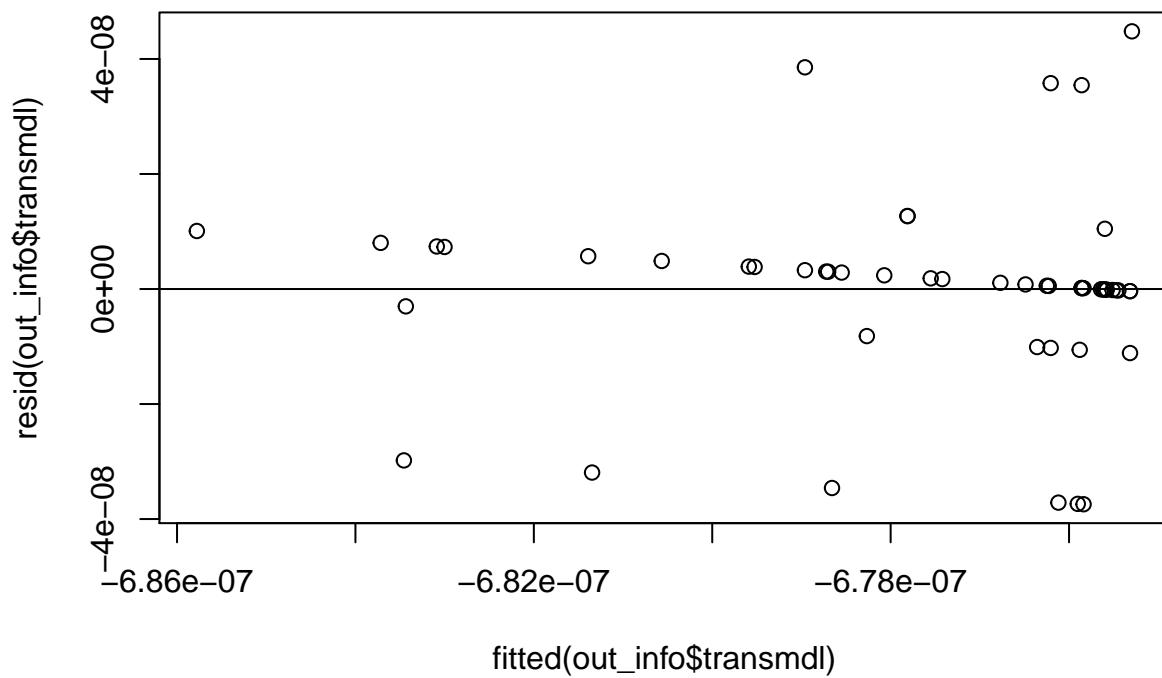
### Normal Q-Q Plot



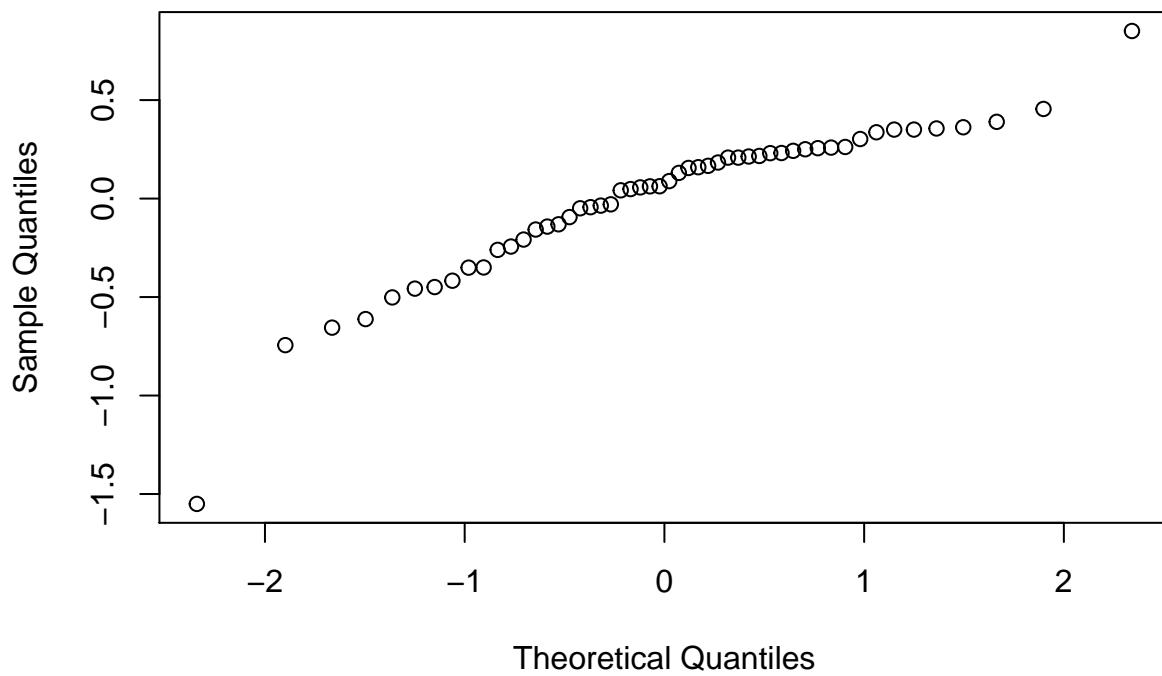
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.struc.MRF  
Plot of SmPFO\$origEthnicity



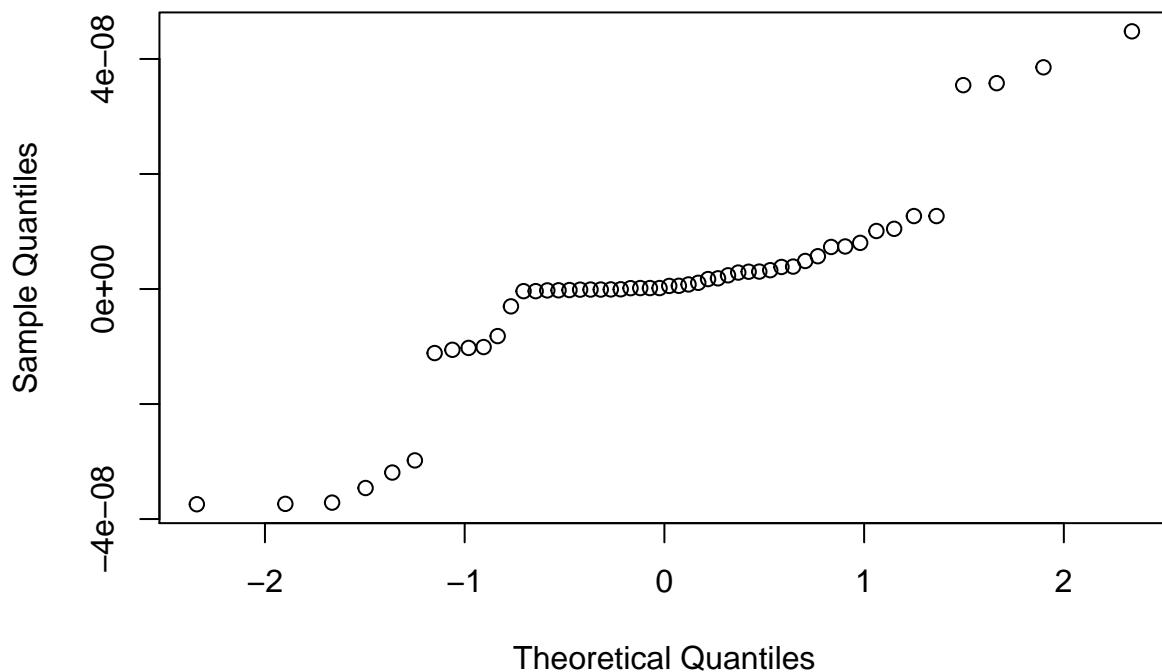
**Plot of PFUATrans+  
Plot of PFUATransdays.since.struc.MRF  
Plot of PFUATransEthnicity**



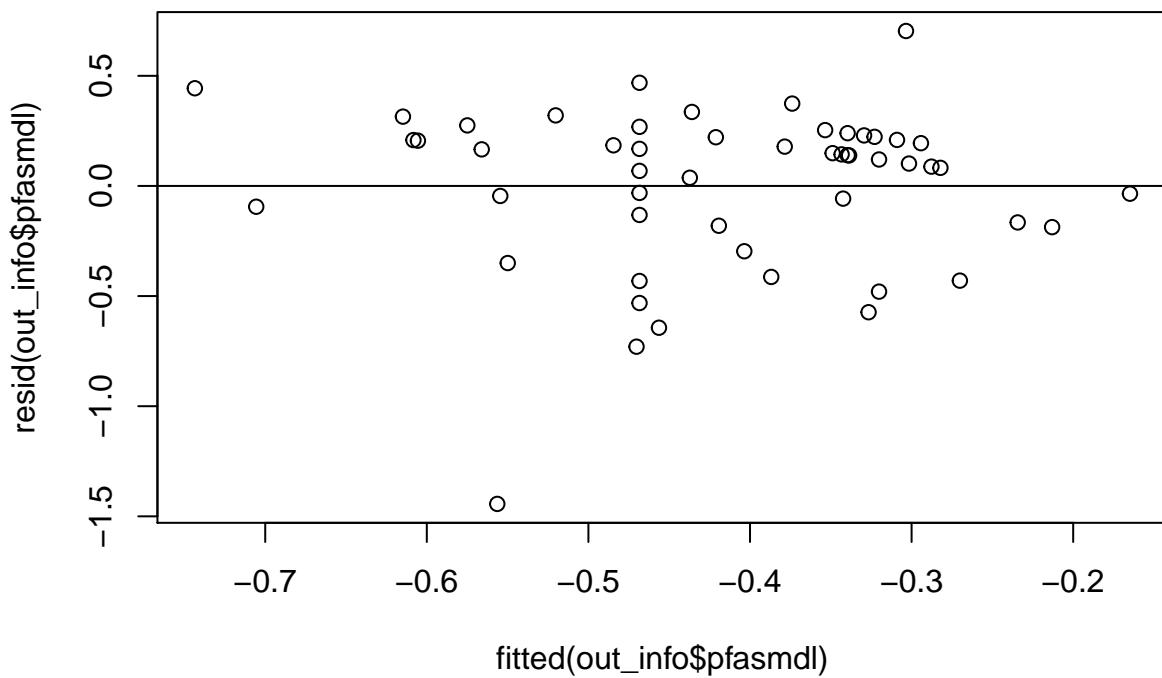
**Normal Q-Q Plot**



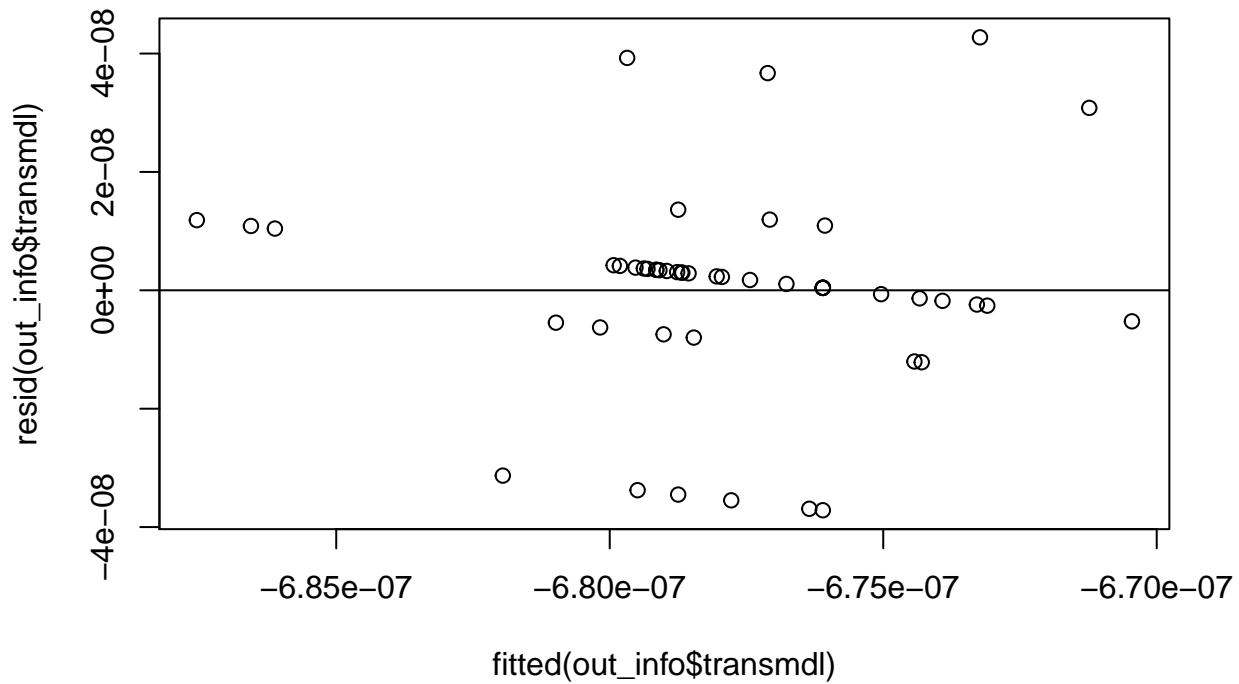
### Normal Q-Q Plot



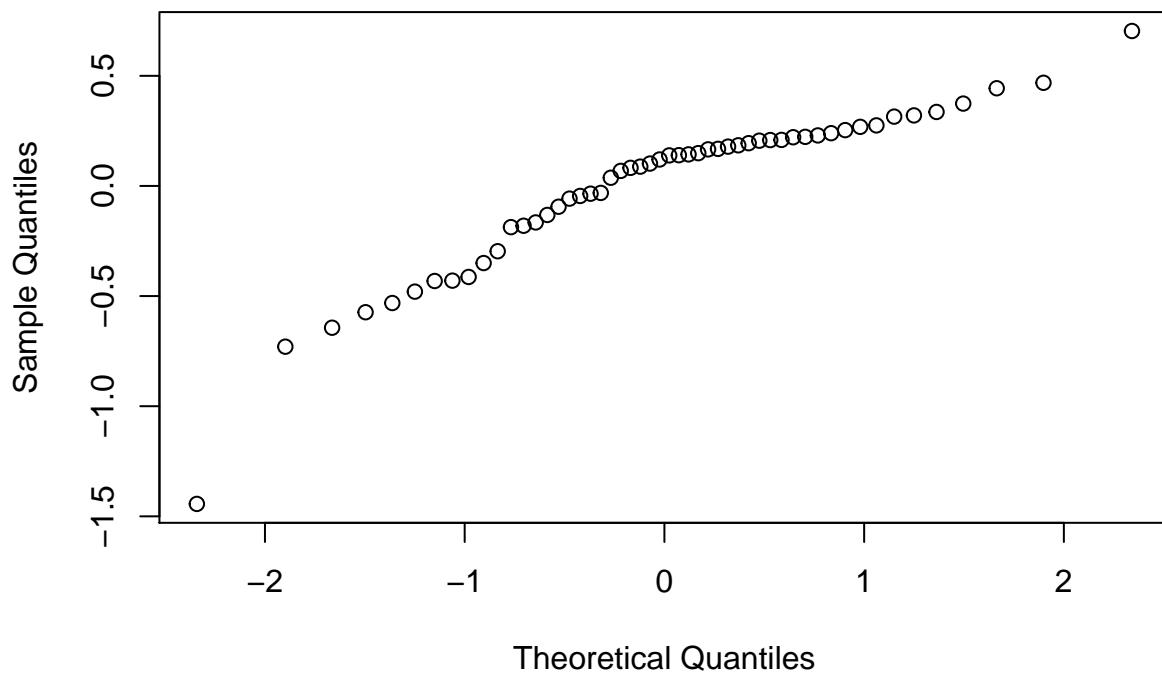
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$time.since.baseline  
Plot of SmPFO\$orig\$Ethnicity



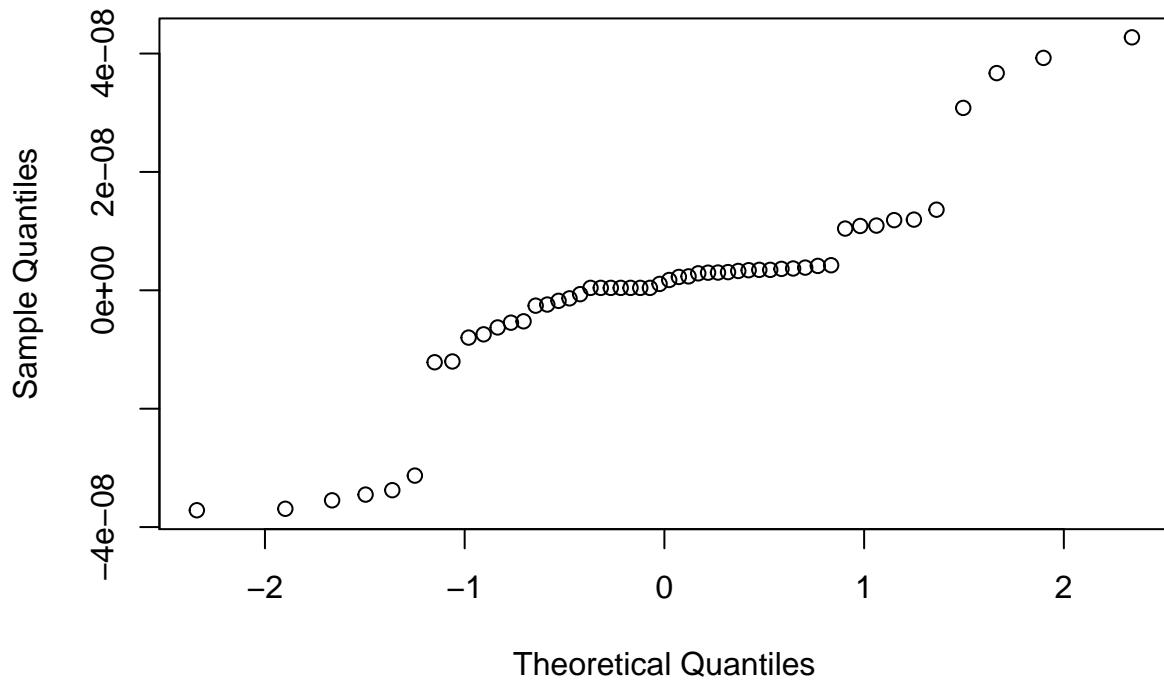
**Plot of PFUATrans+  
Plot of PFUATranstime.since.baseline  
Plot of PFUATransEthnicity**



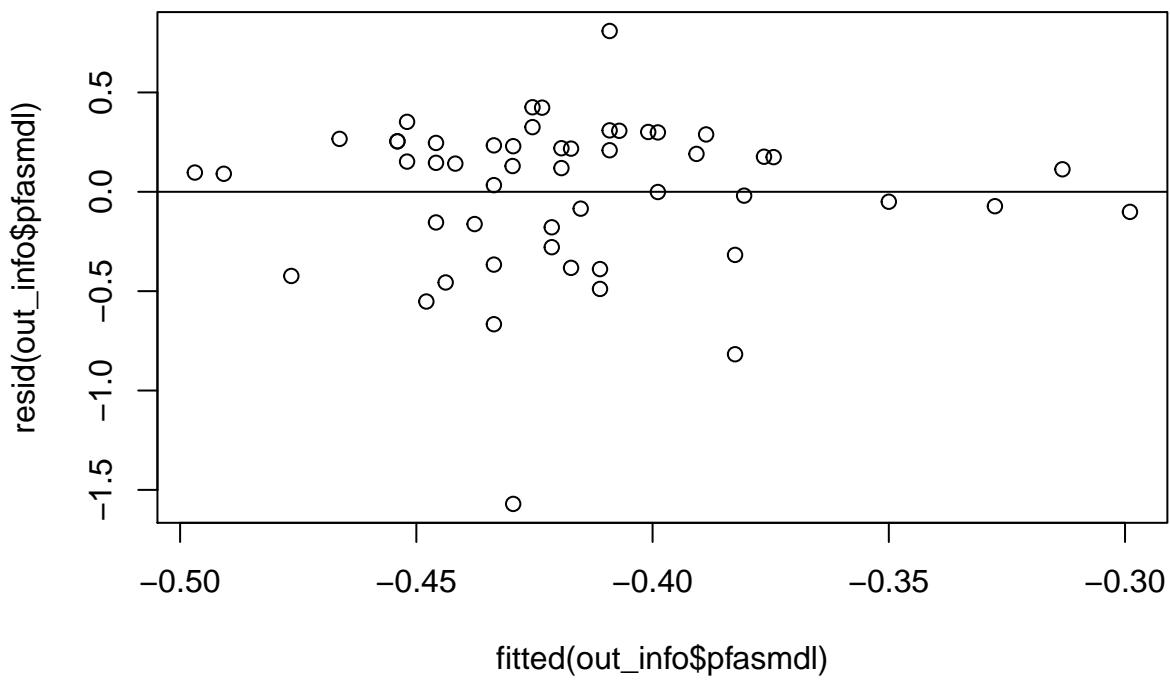
**Normal Q-Q Plot**



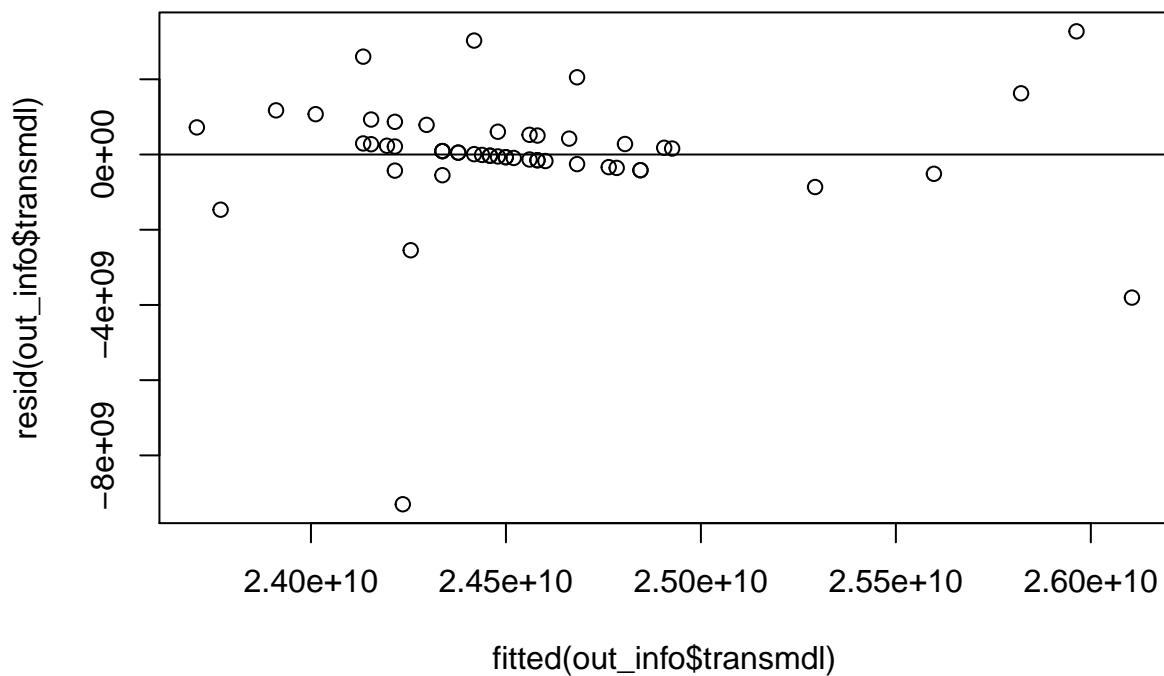
### Normal Q-Q Plot



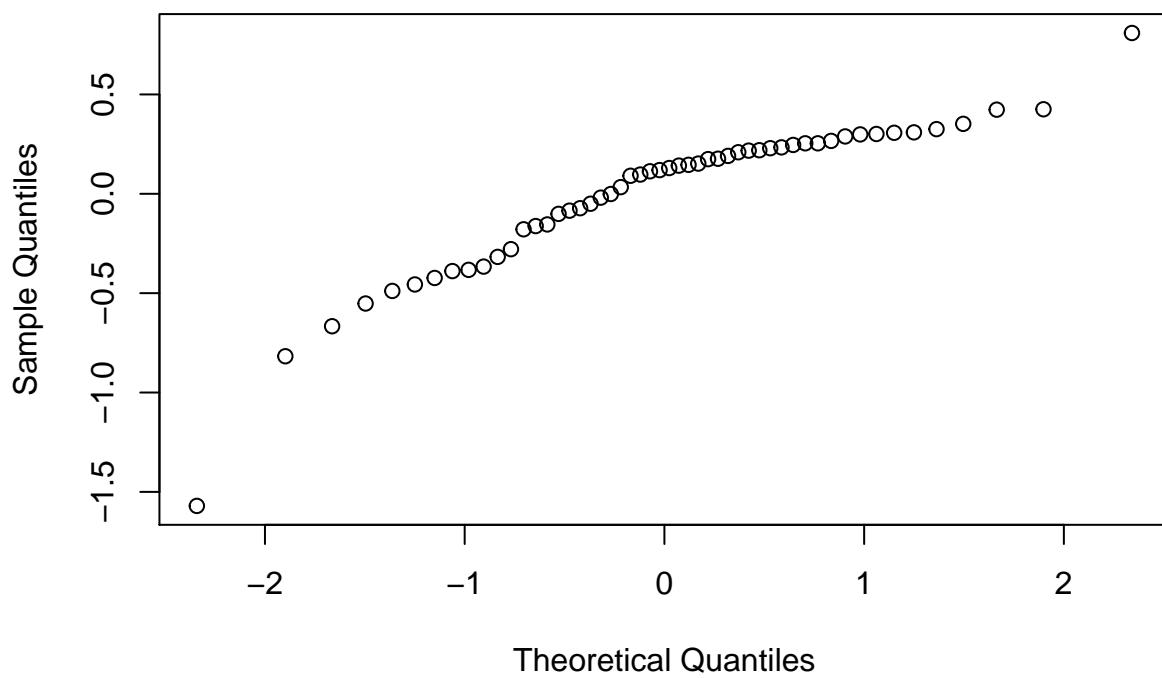
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity**



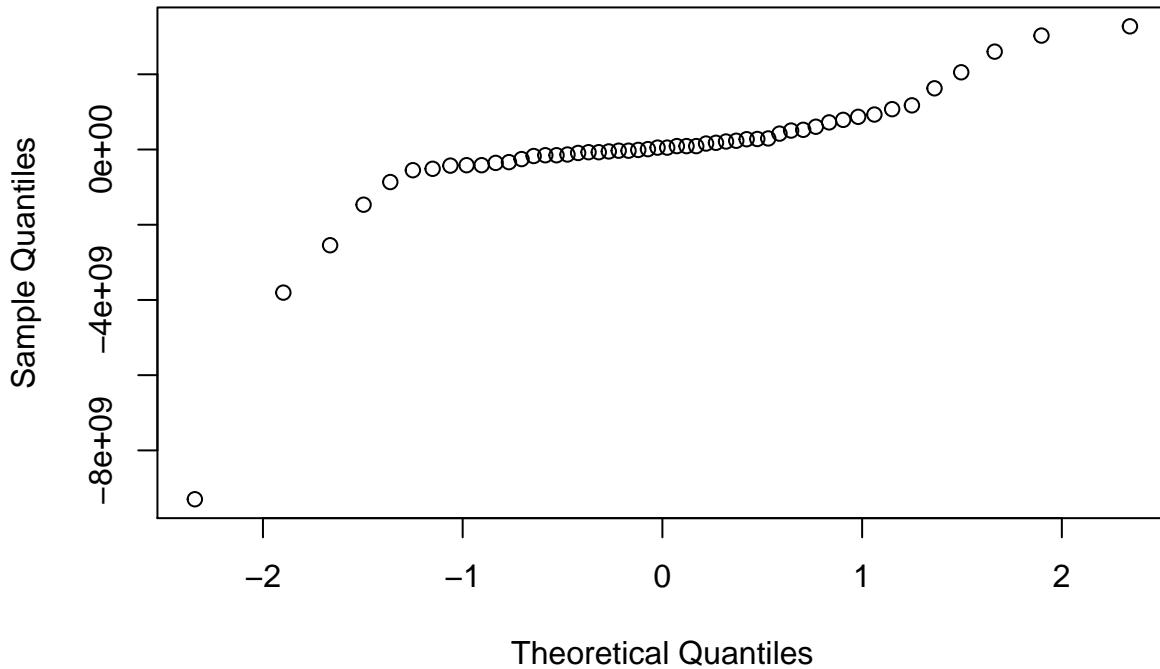
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.num.fireruns  
Plot of SbPFOAtransEthnicity**



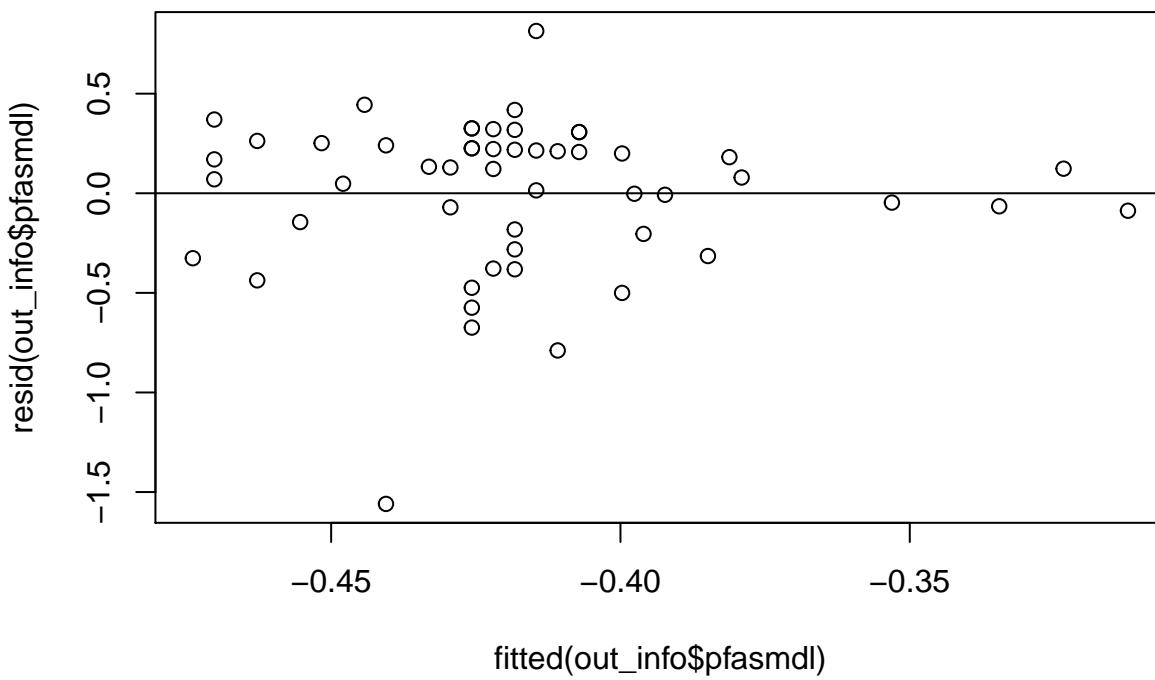
**Normal Q-Q Plot**



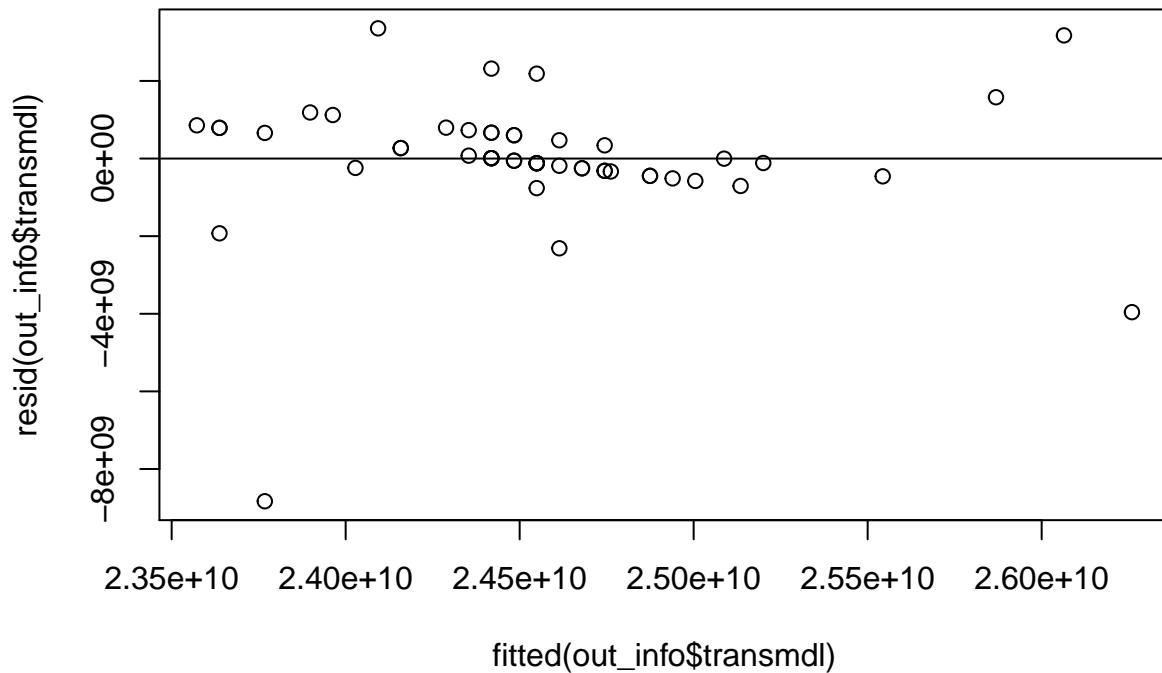
### Normal Q-Q Plot



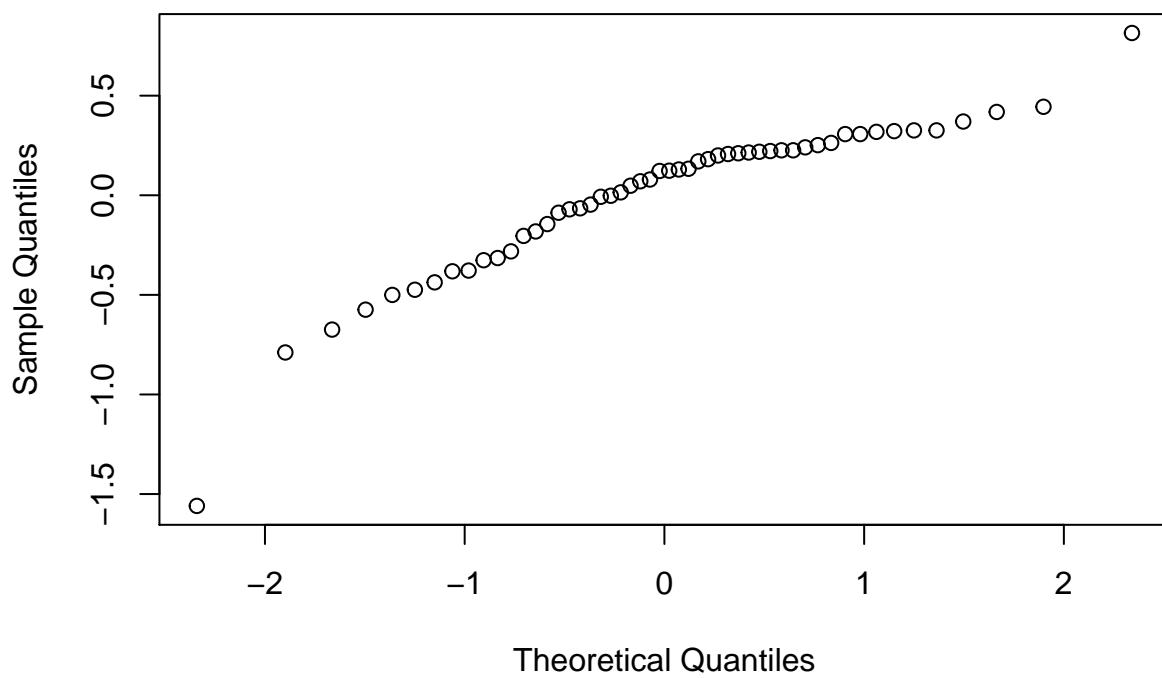
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.num.fireruns  
Plot of SmPFO\$origEthnicity



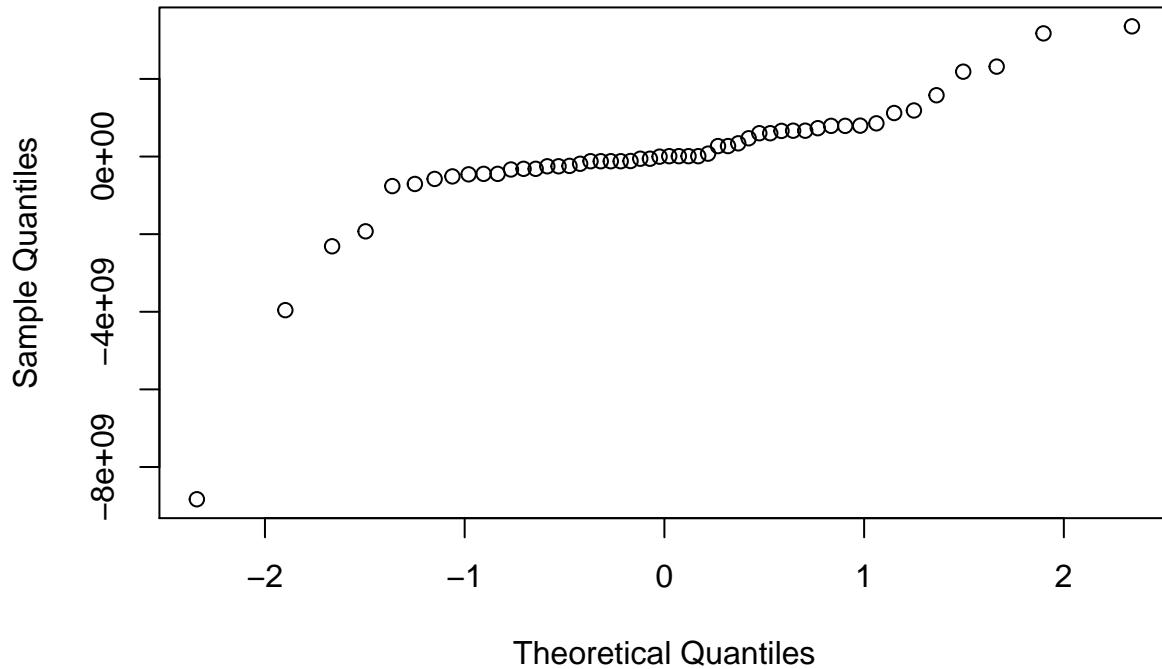
**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.num.fireruns  
Plot of SbPFOAtransEthnicity**



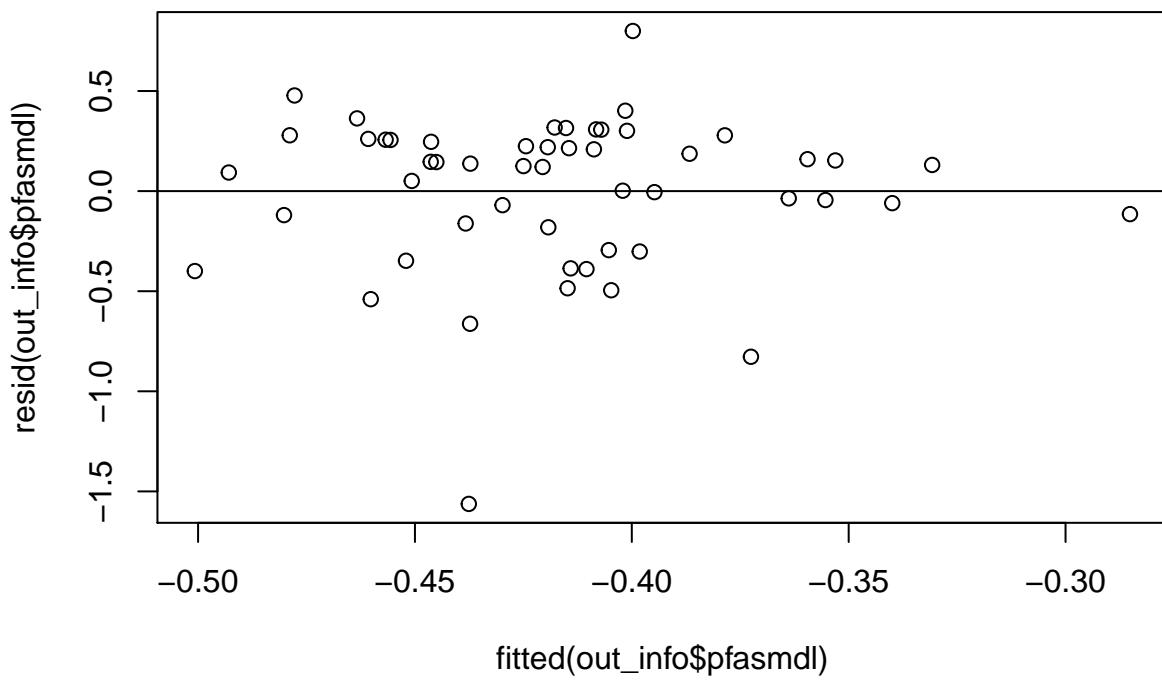
**Normal Q-Q Plot**



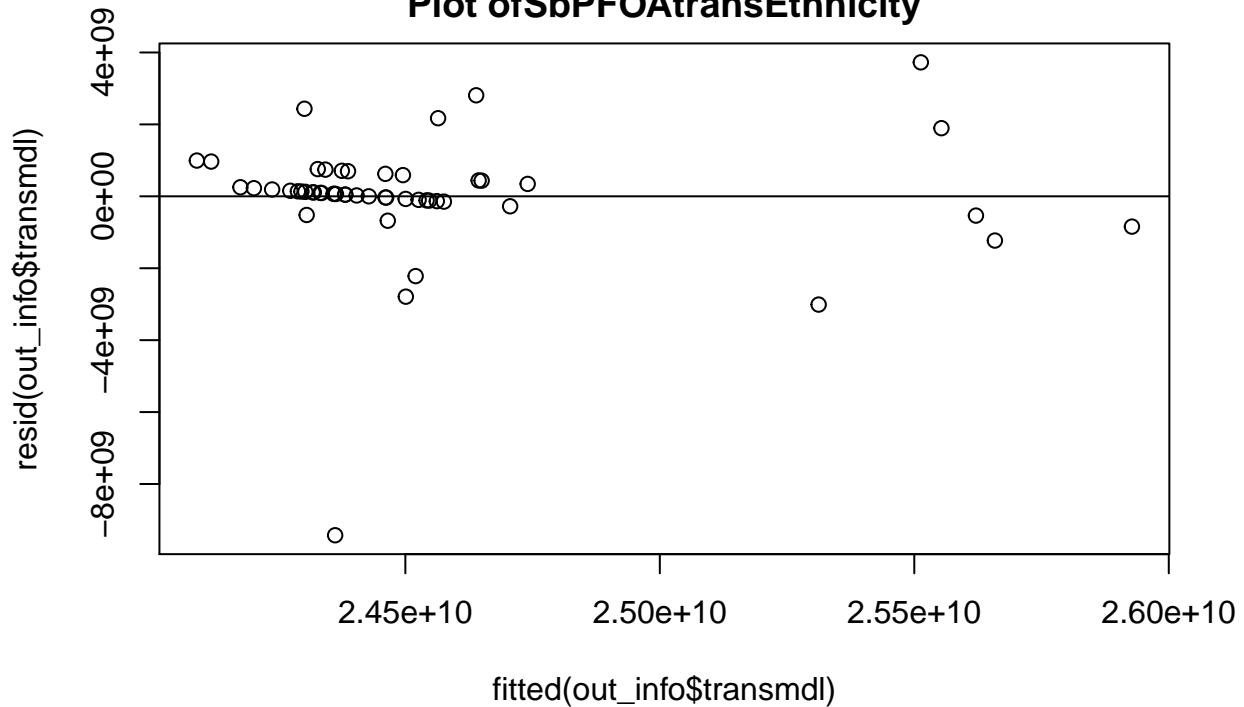
### Normal Q-Q Plot



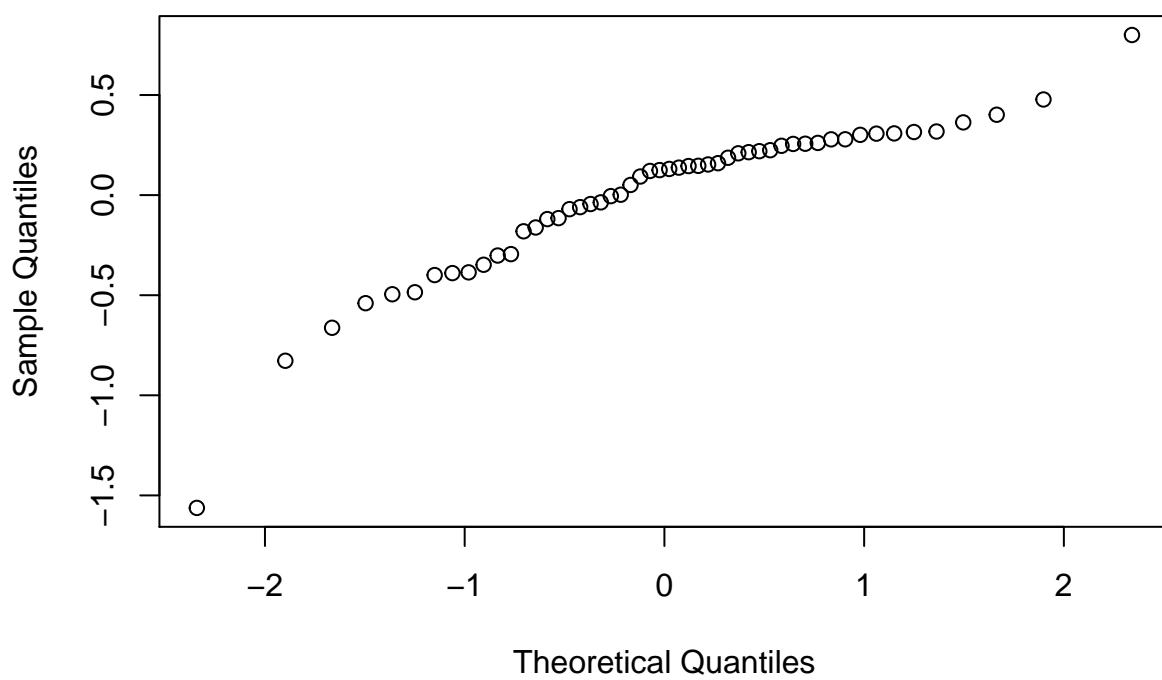
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.duration.hrs  
Plot of SmPFO\$orig\$Ethnicity**

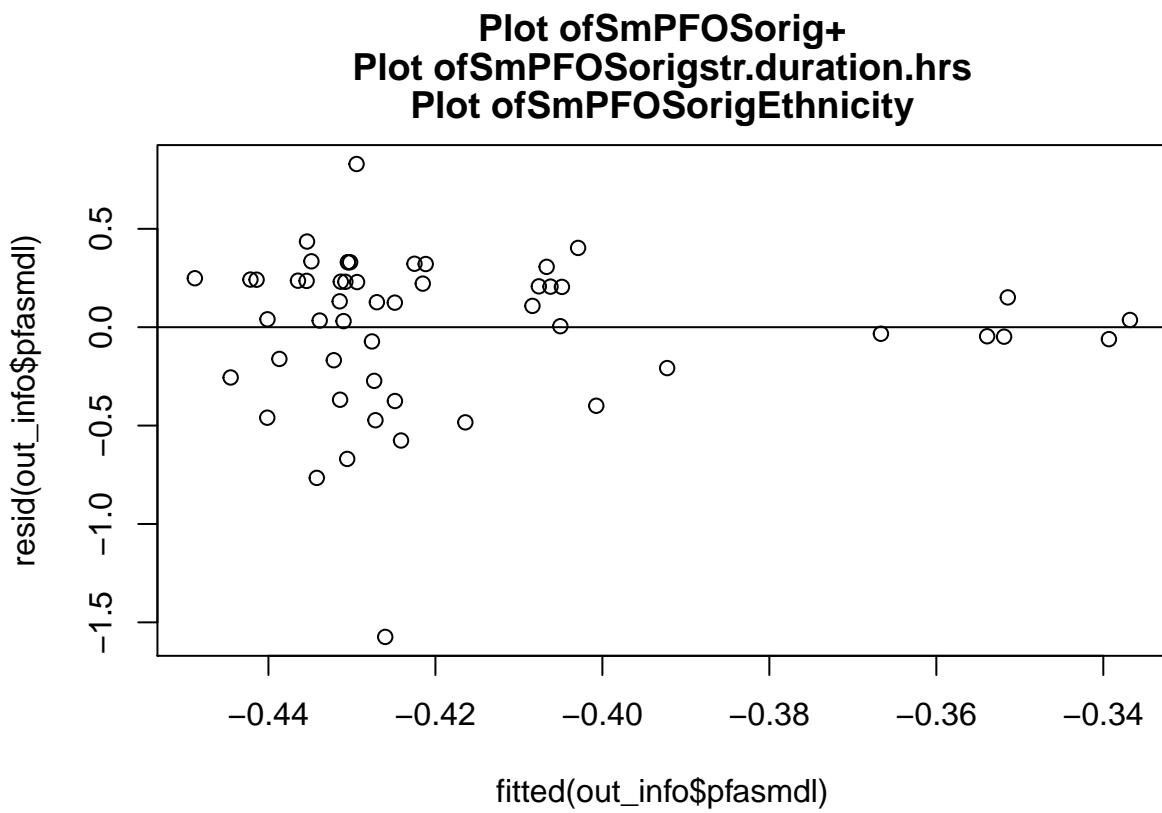
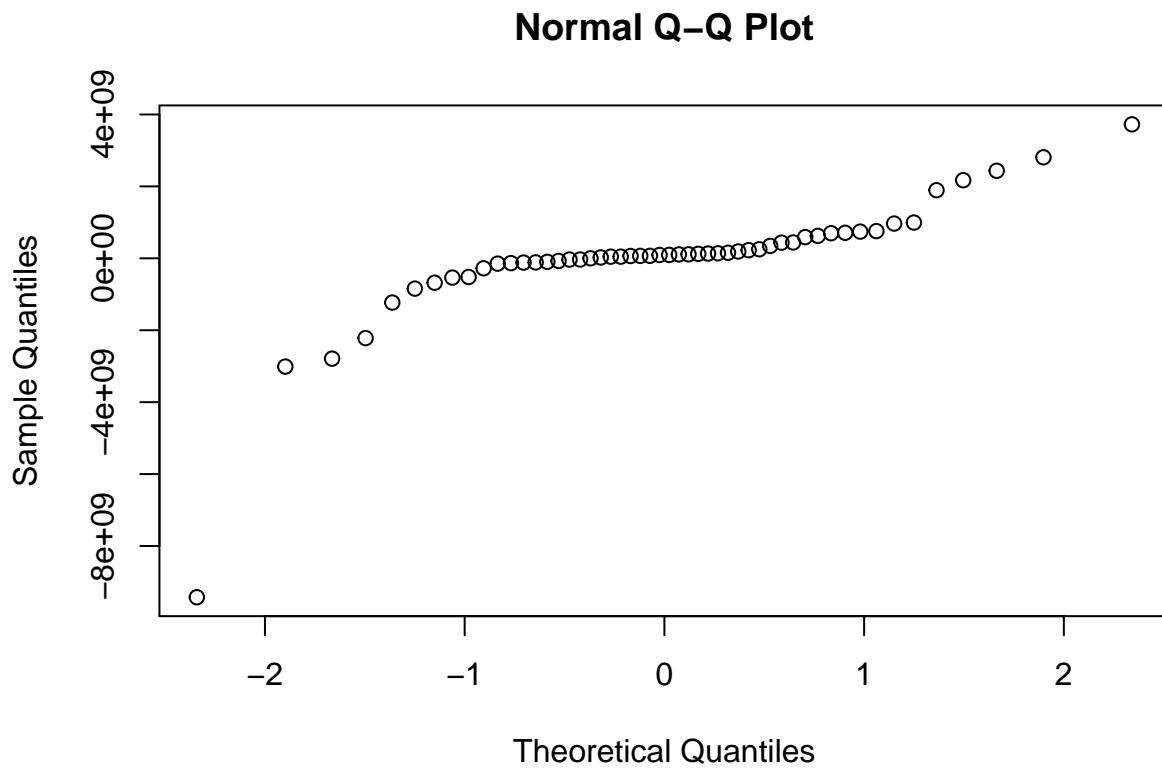


**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstotal.duration.hrs  
Plot of SbPFOAtransEthnicity**

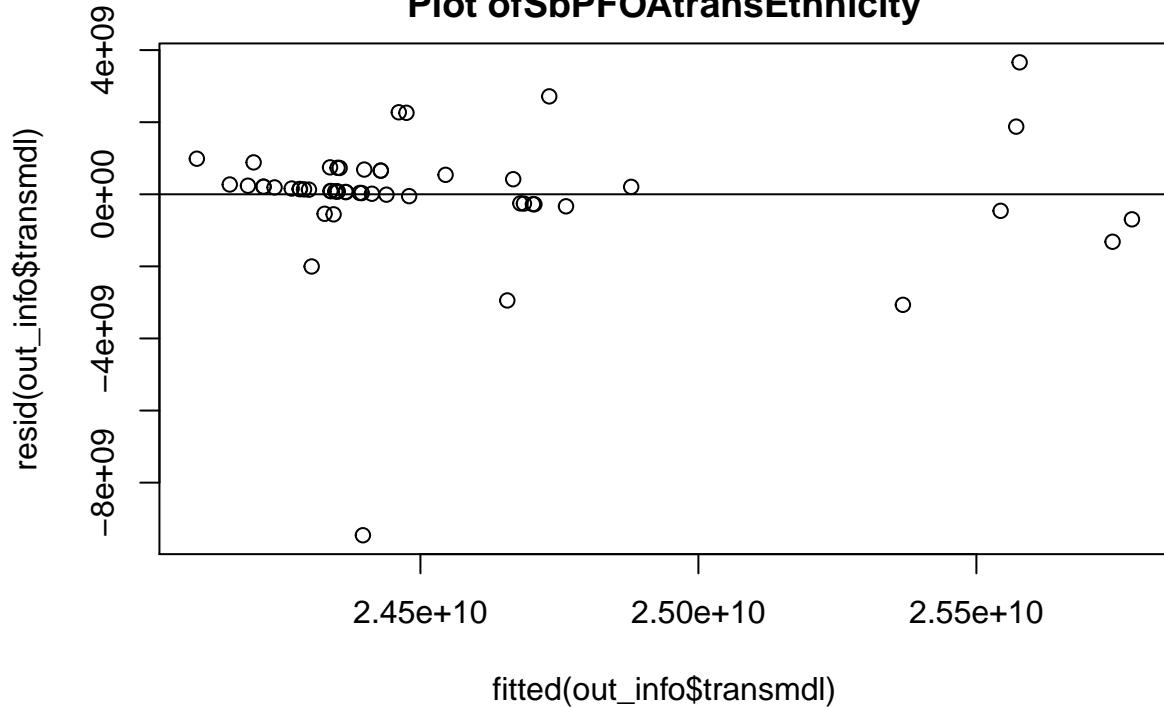


**Normal Q-Q Plot**

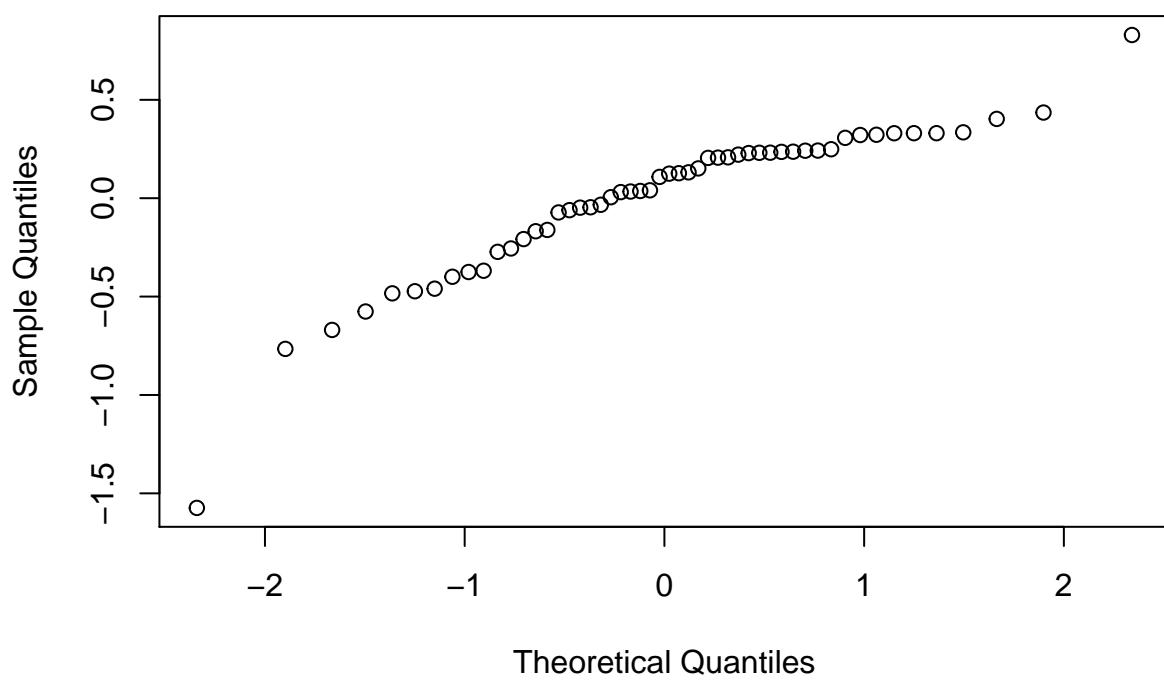


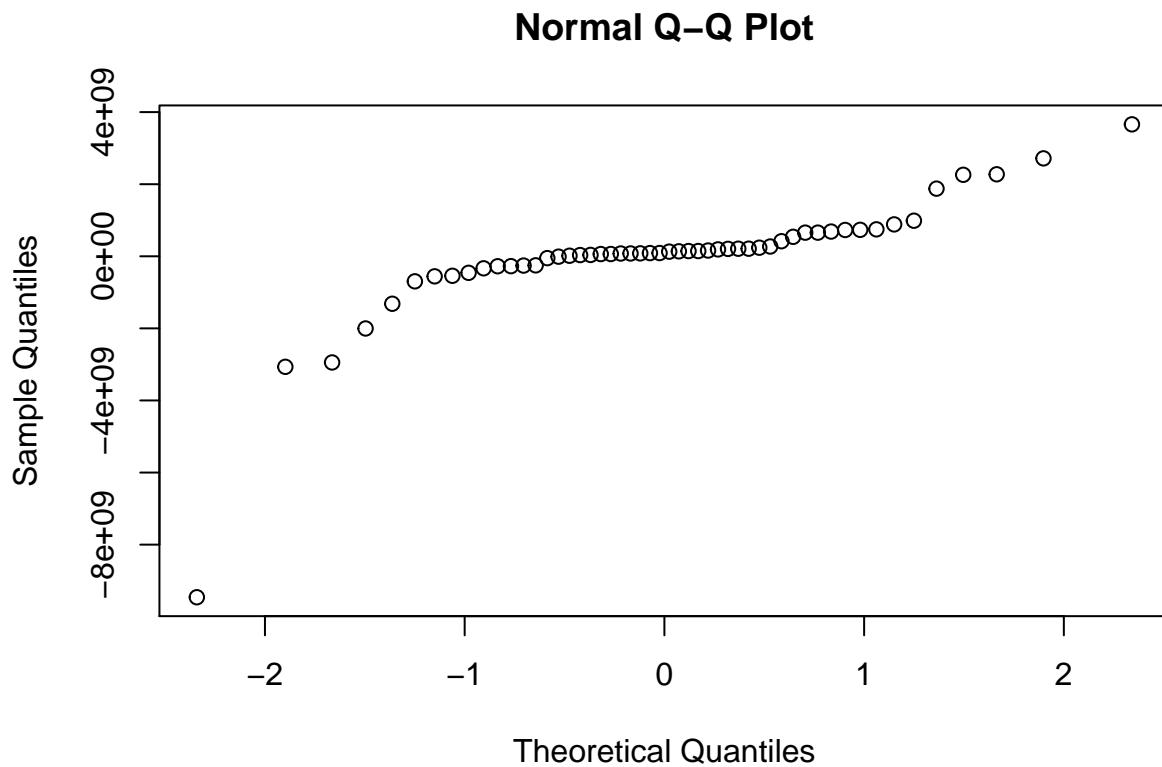


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransstr.duration.hrs  
Plot of SbPFOAtransEthnicity**

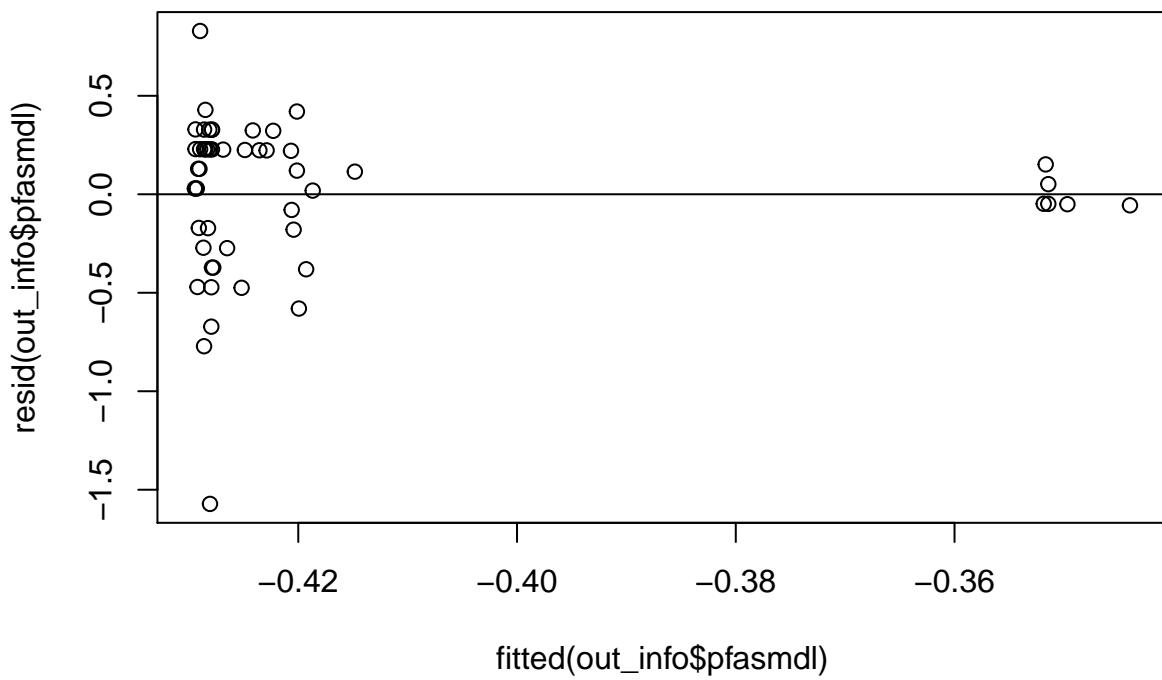


**Normal Q-Q Plot**

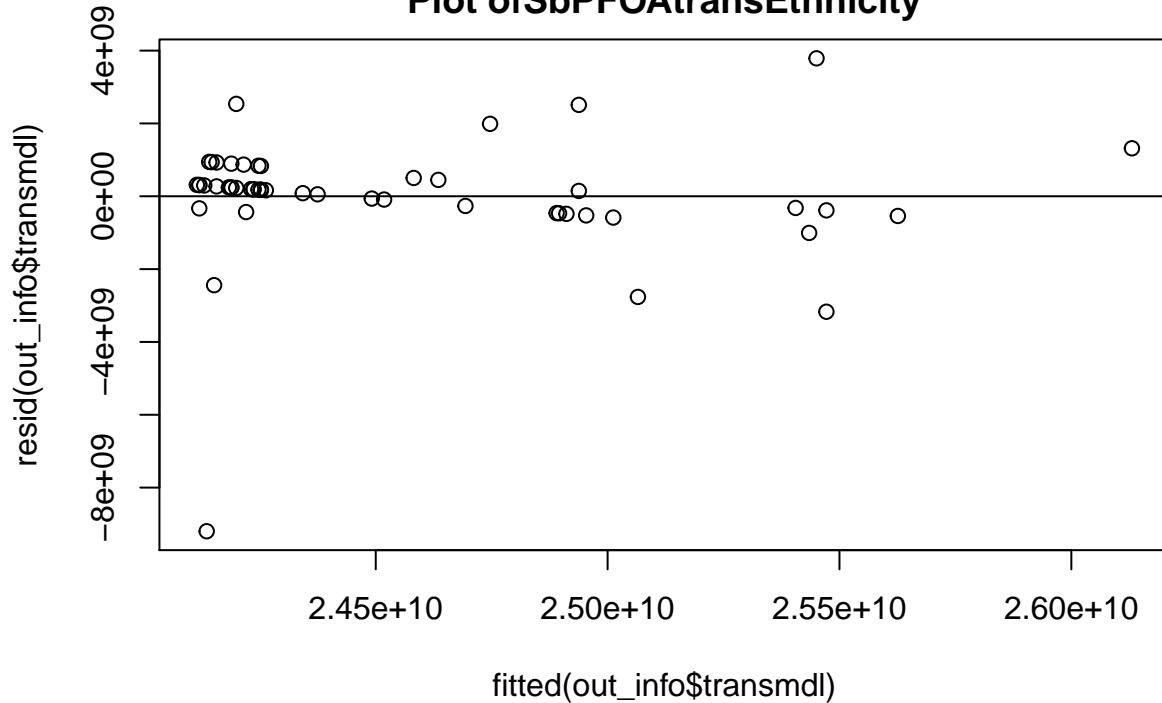




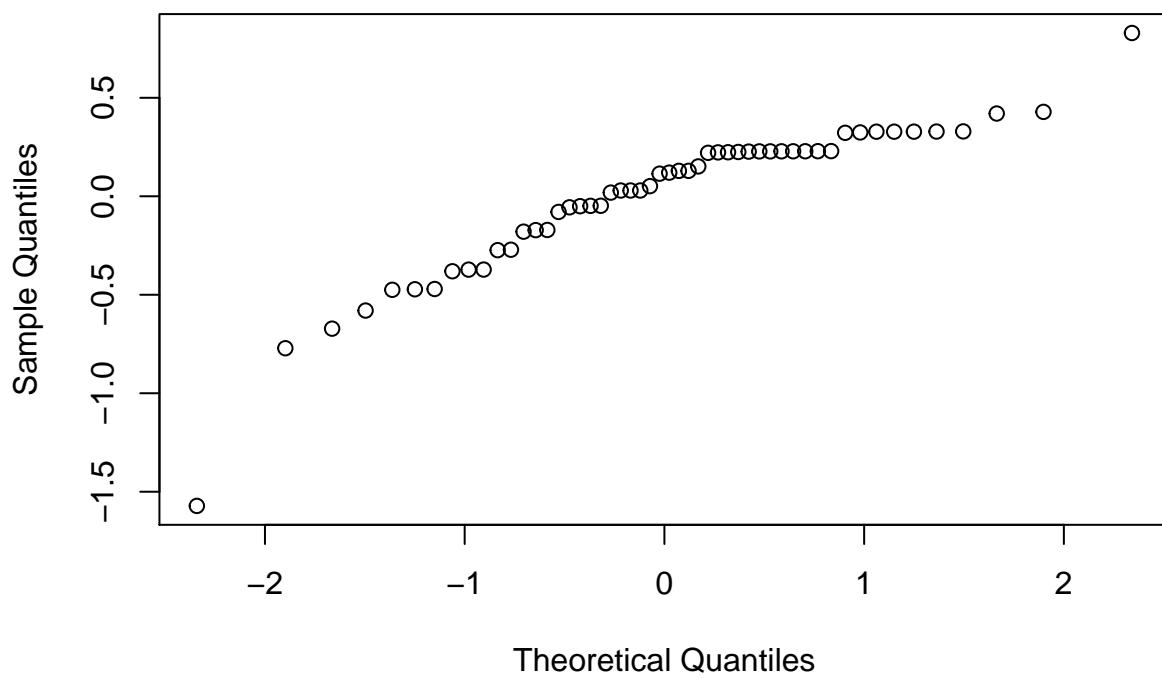
**Plot of SmPFO\$orig +**  
**Plot of SmPFO\$origdays.since.MRF**  
**Plot of SmPFO\$origEthnicity**

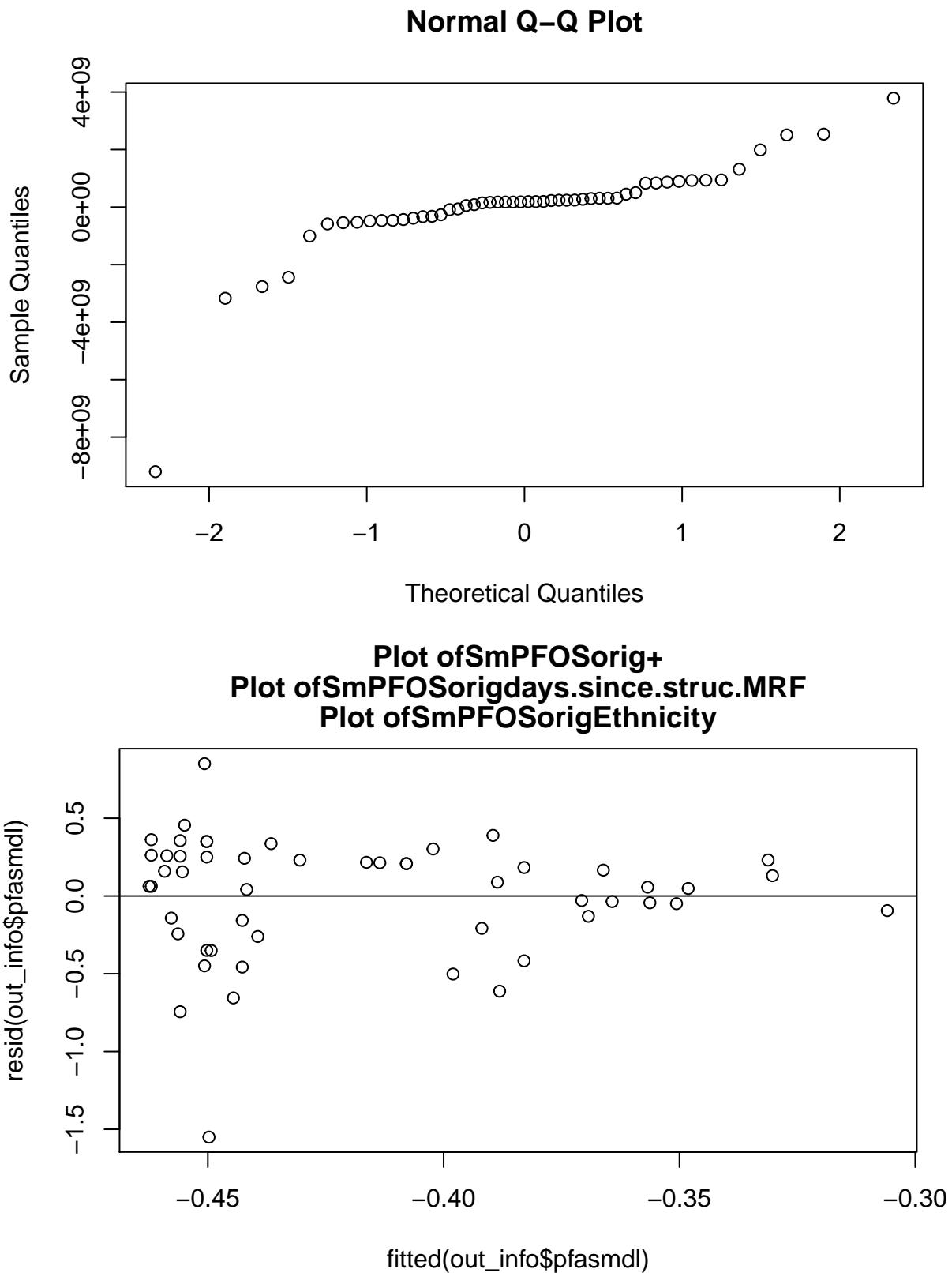


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.MRF  
Plot of SbPFOAtransEthnicity**

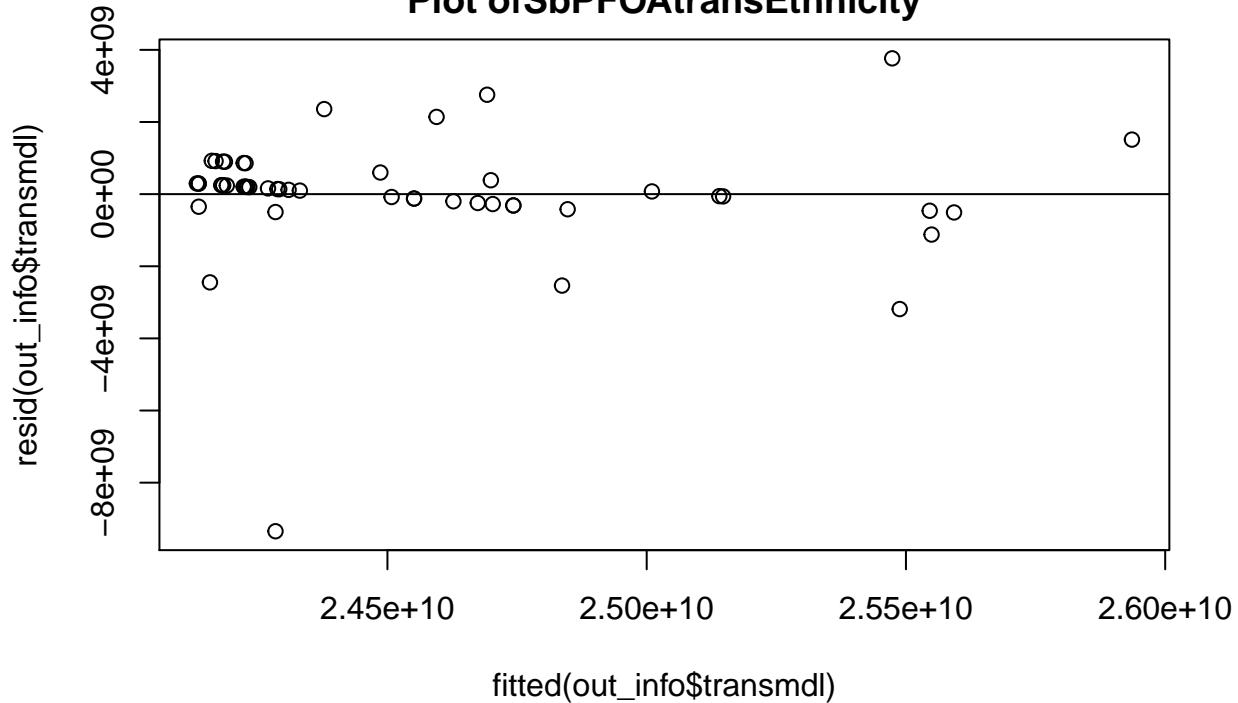


**Normal Q-Q Plot**

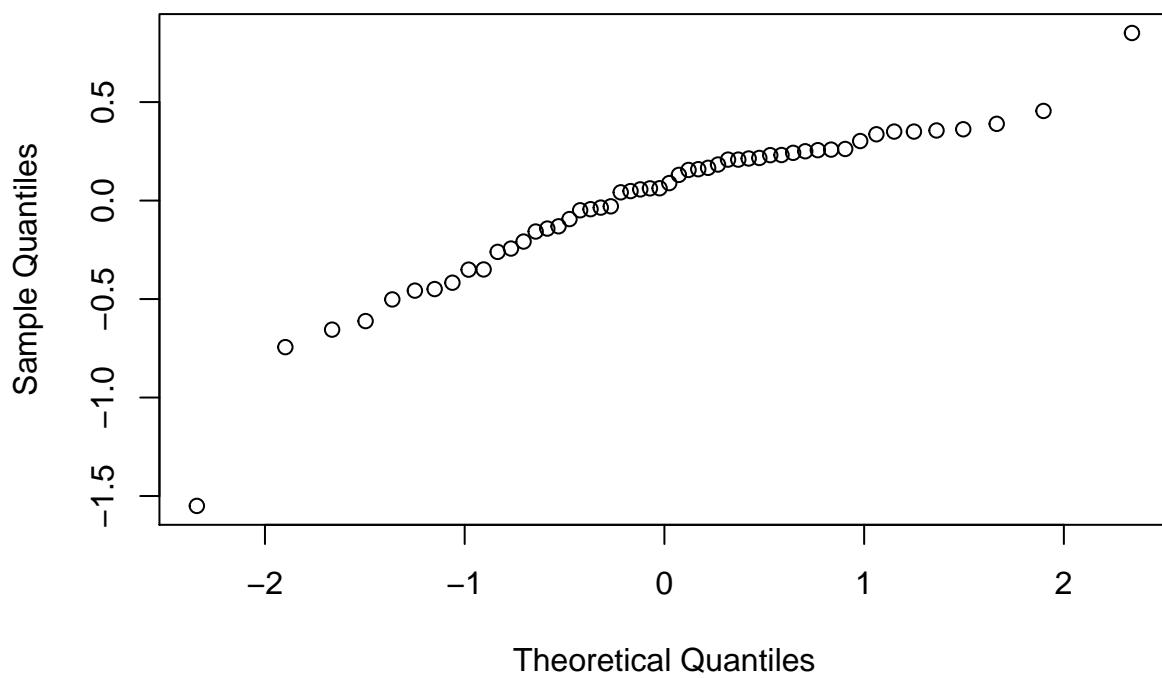


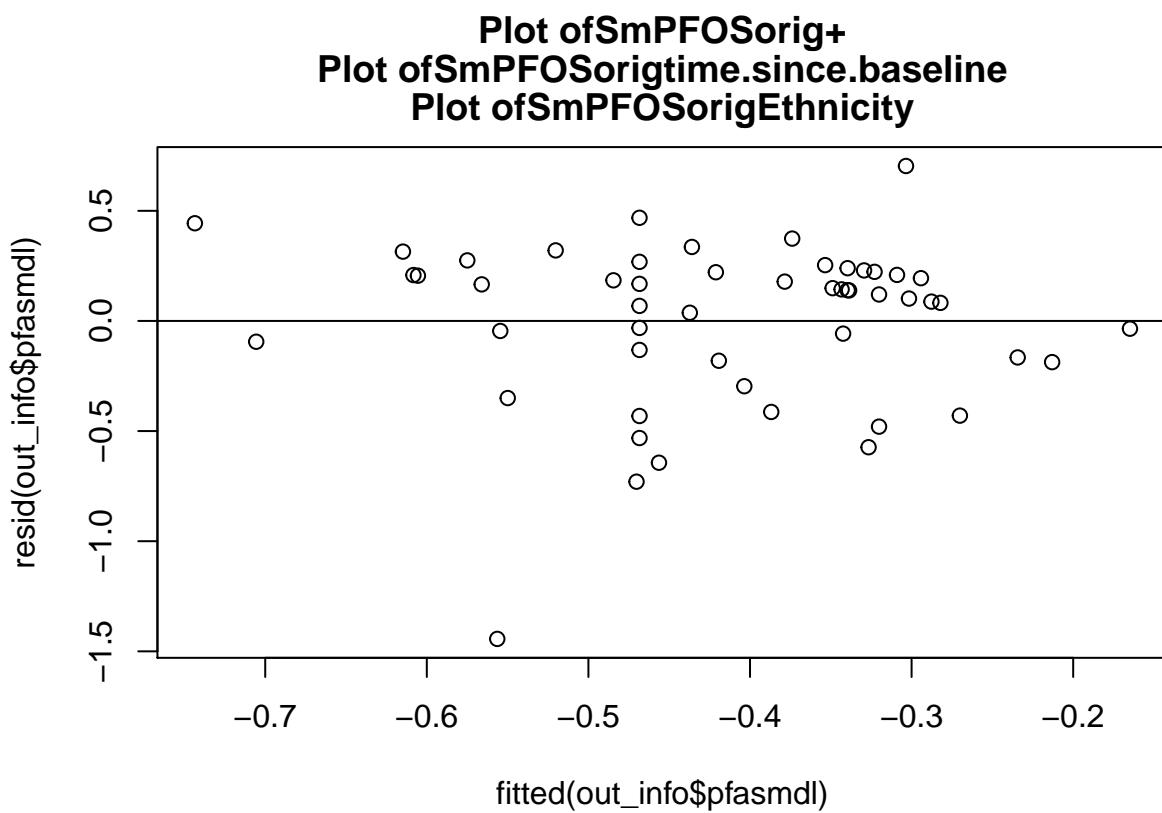
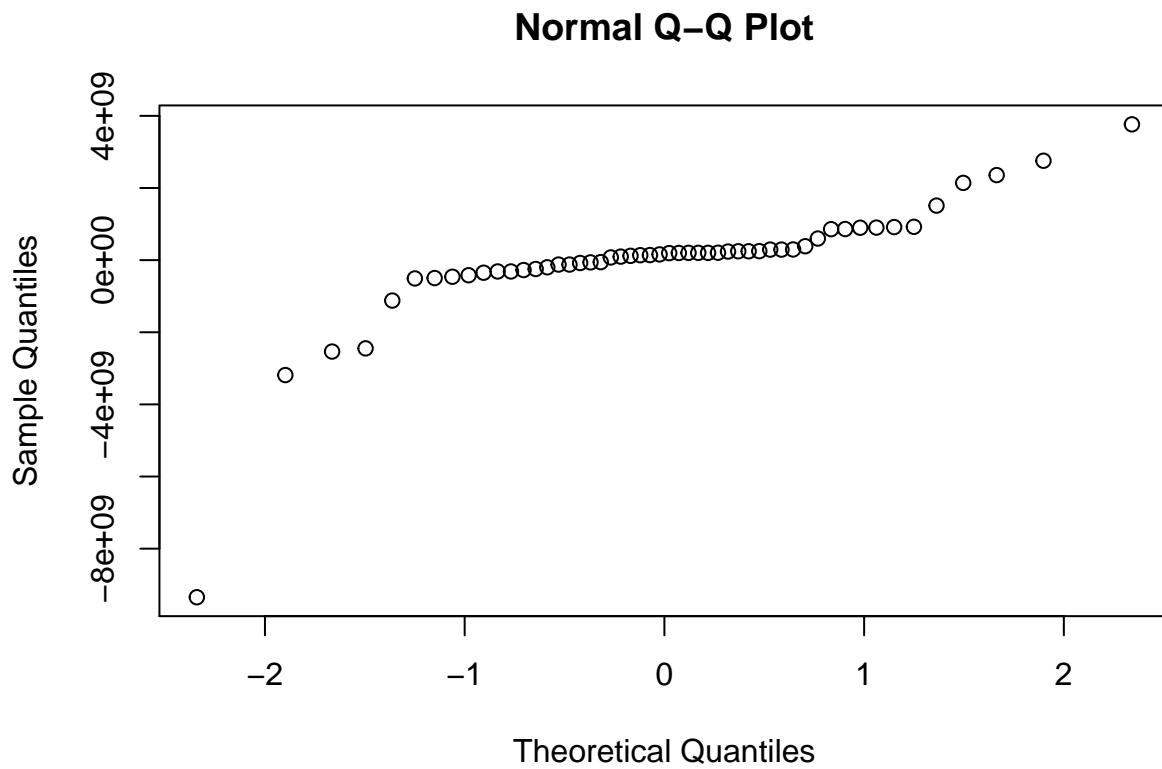


**Plot of SbPFOAtrans+  
Plot of SbPFOAtransdays.since.struc.MRF  
Plot of SbPFOAtransEthnicity**

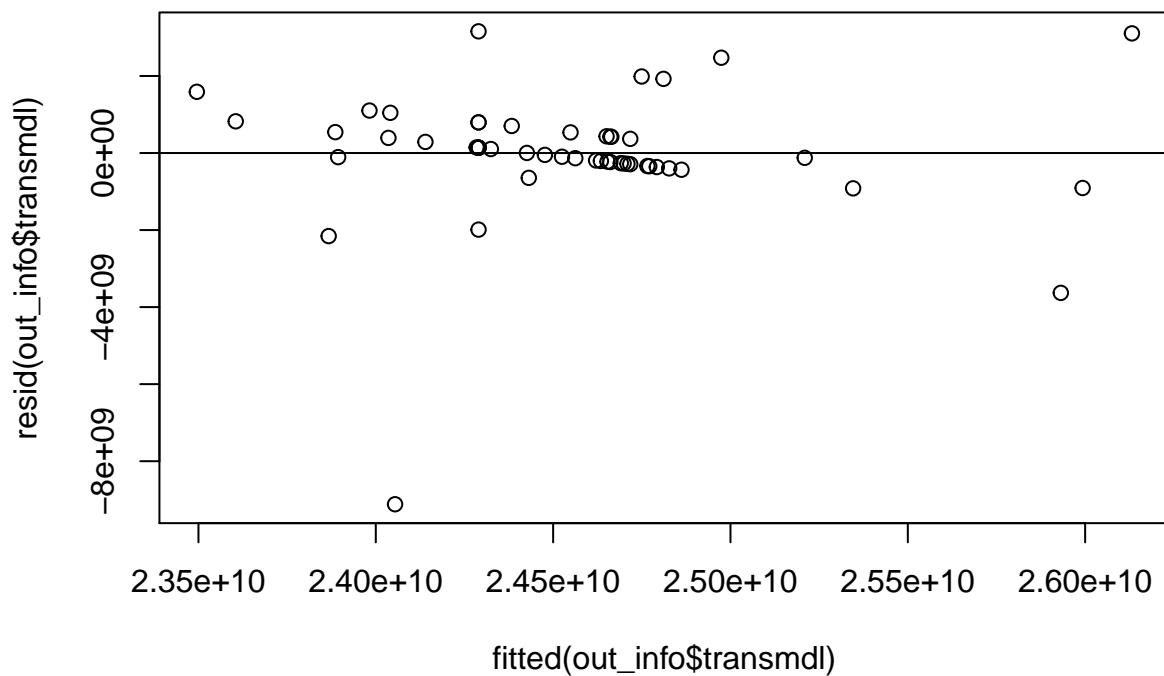


**Normal Q-Q Plot**

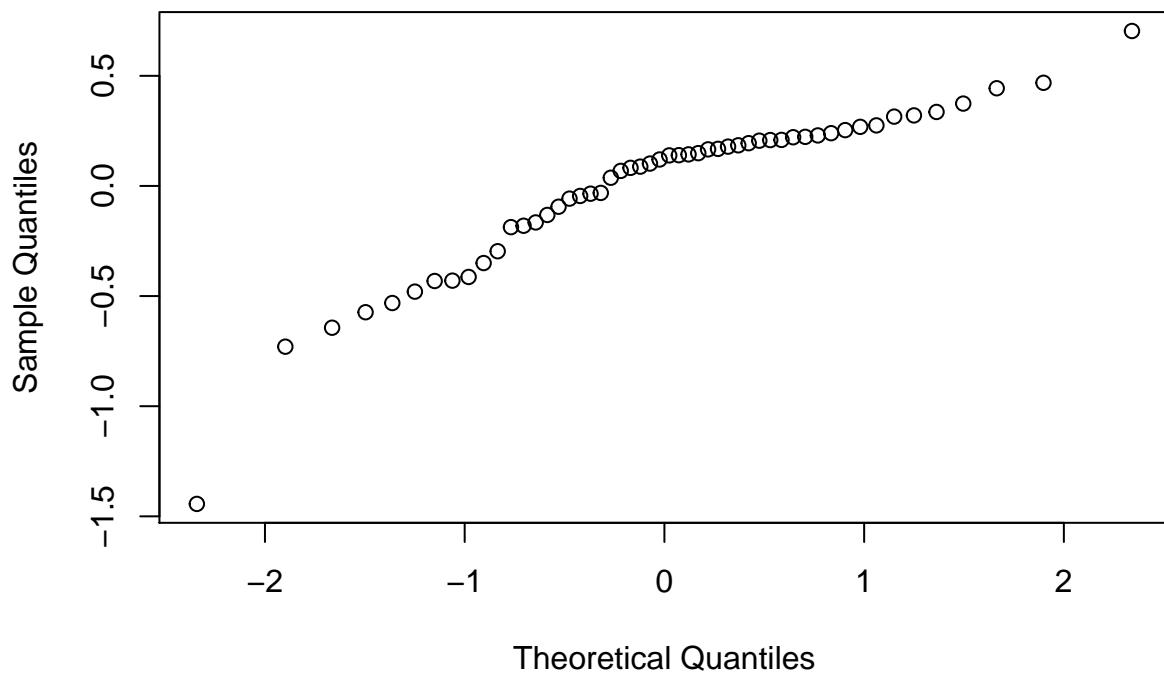




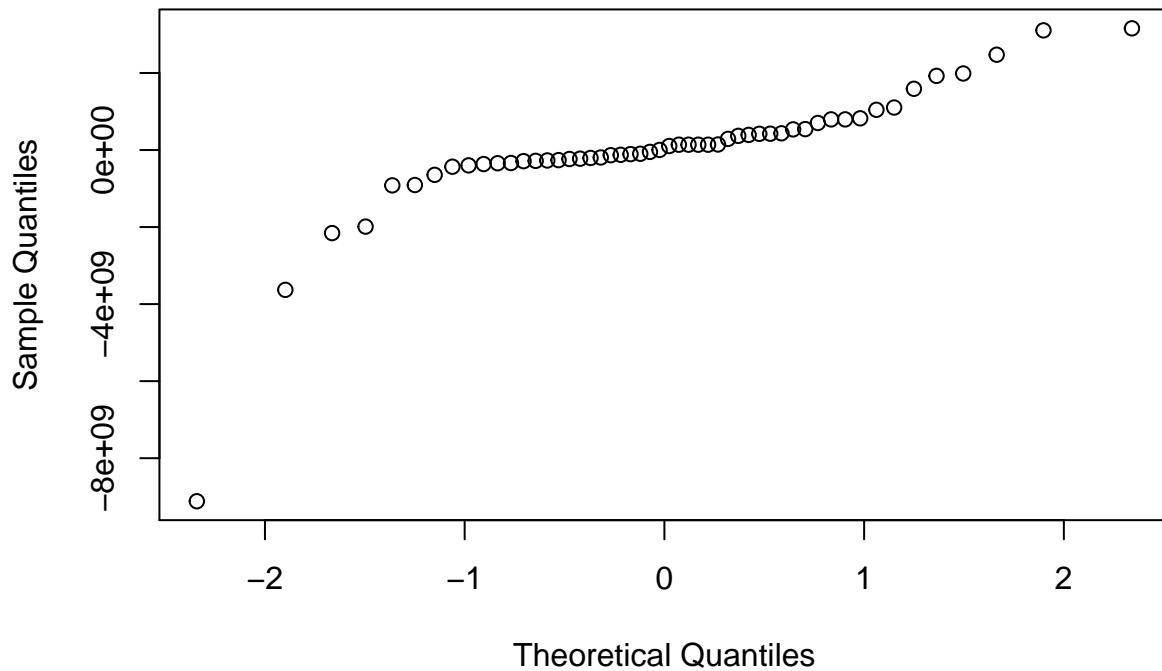
**Plot of SbPFOAtrans+  
Plot of SbPFOAtranstime.since.baseline  
Plot of SbPFOAtransEthnicity**



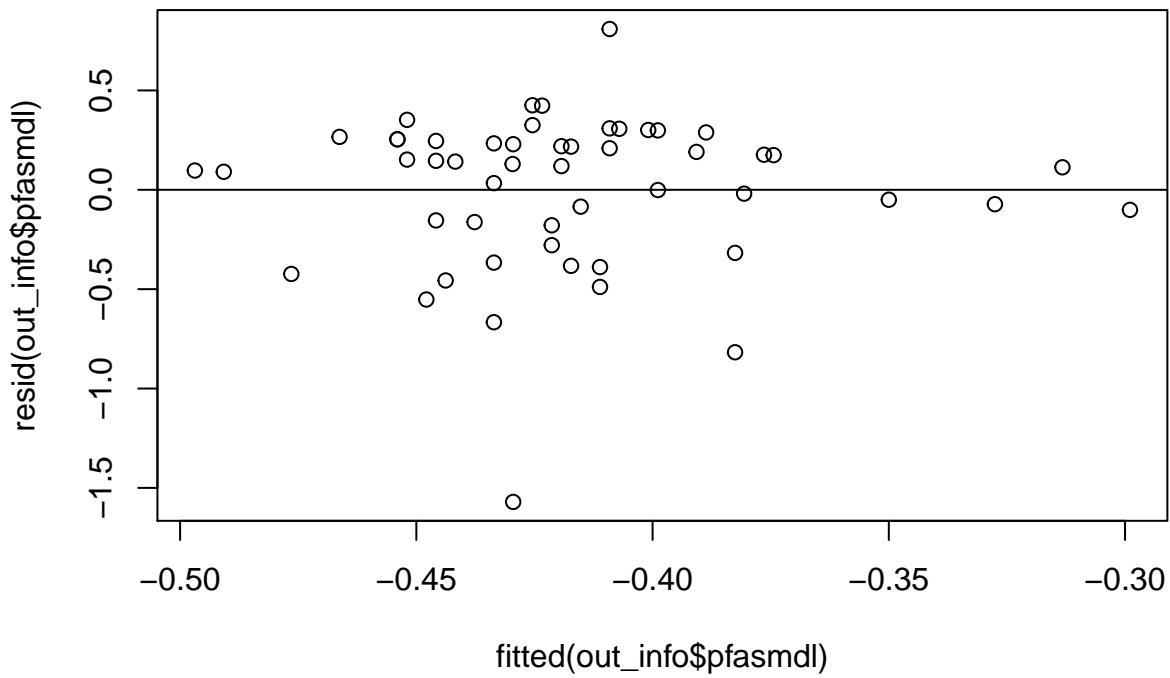
**Normal Q-Q Plot**



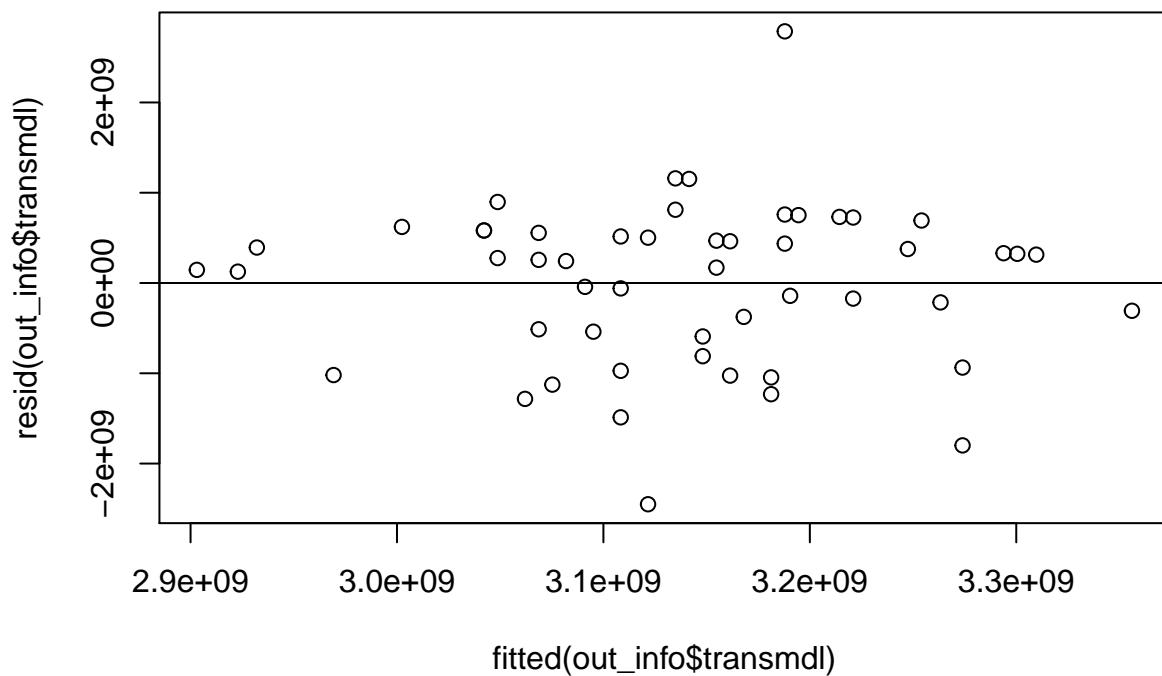
### Normal Q-Q Plot



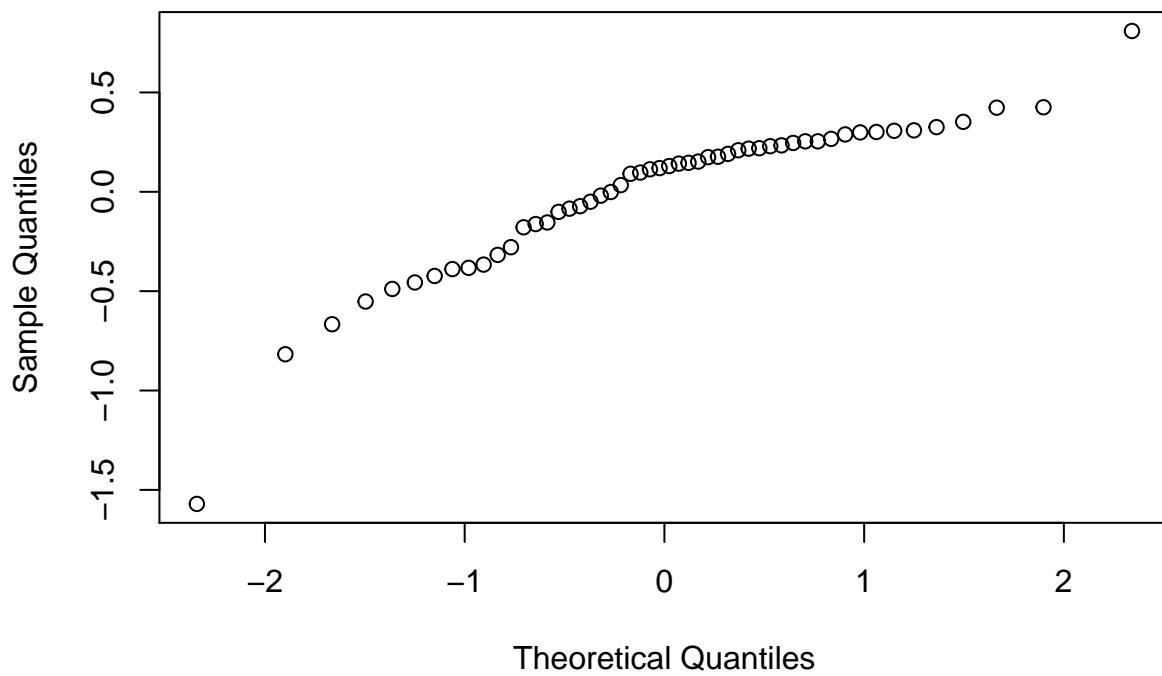
**Plot of SmPFO\$orig +  
Plot of SmPFO\$orig\$total.num.fireruns  
Plot of SmPFO\$orig\$Ethnicity**



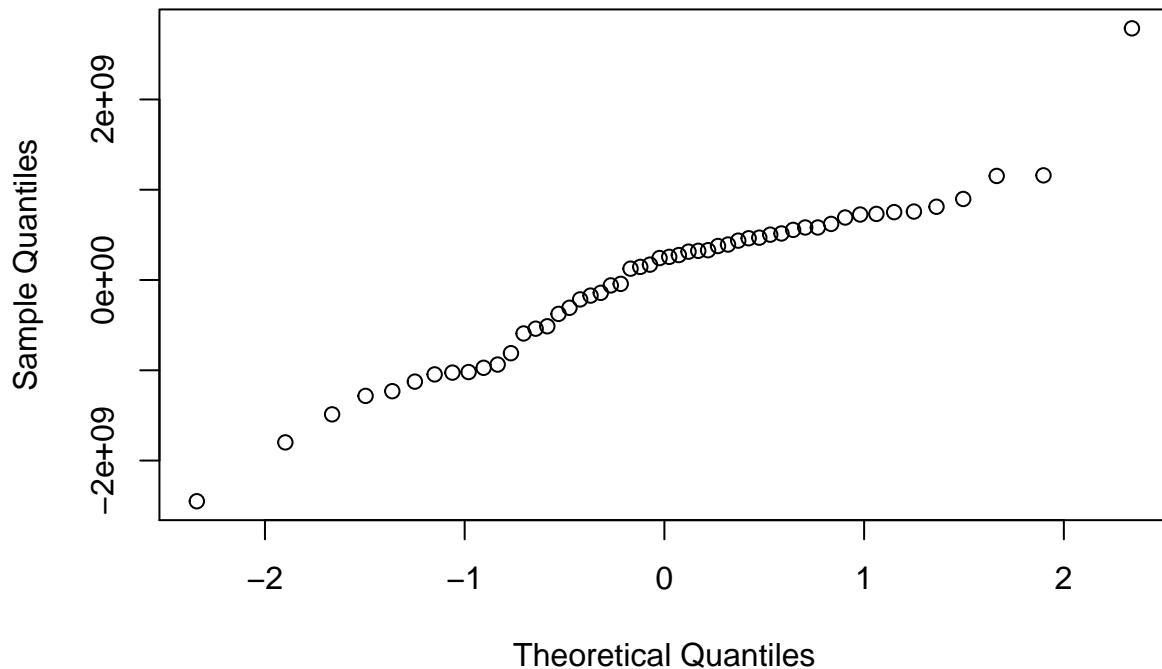
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.num.fireruns  
Plot of SmPFOStransEthnicity**



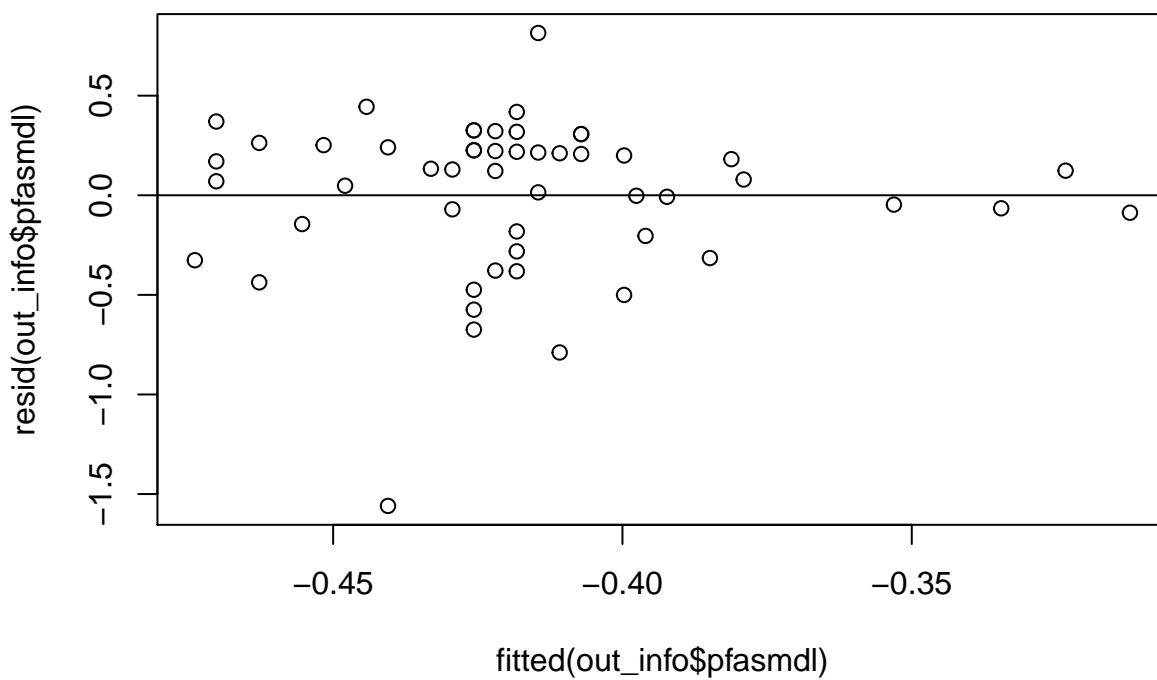
**Normal Q-Q Plot**



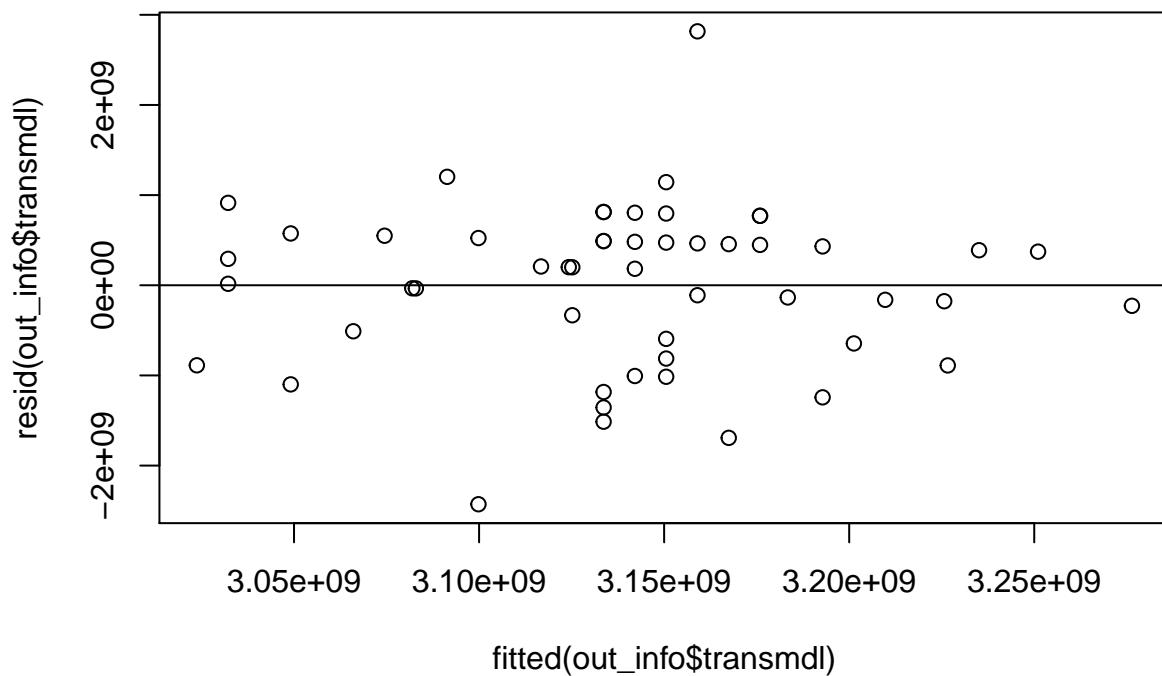
### Normal Q-Q Plot



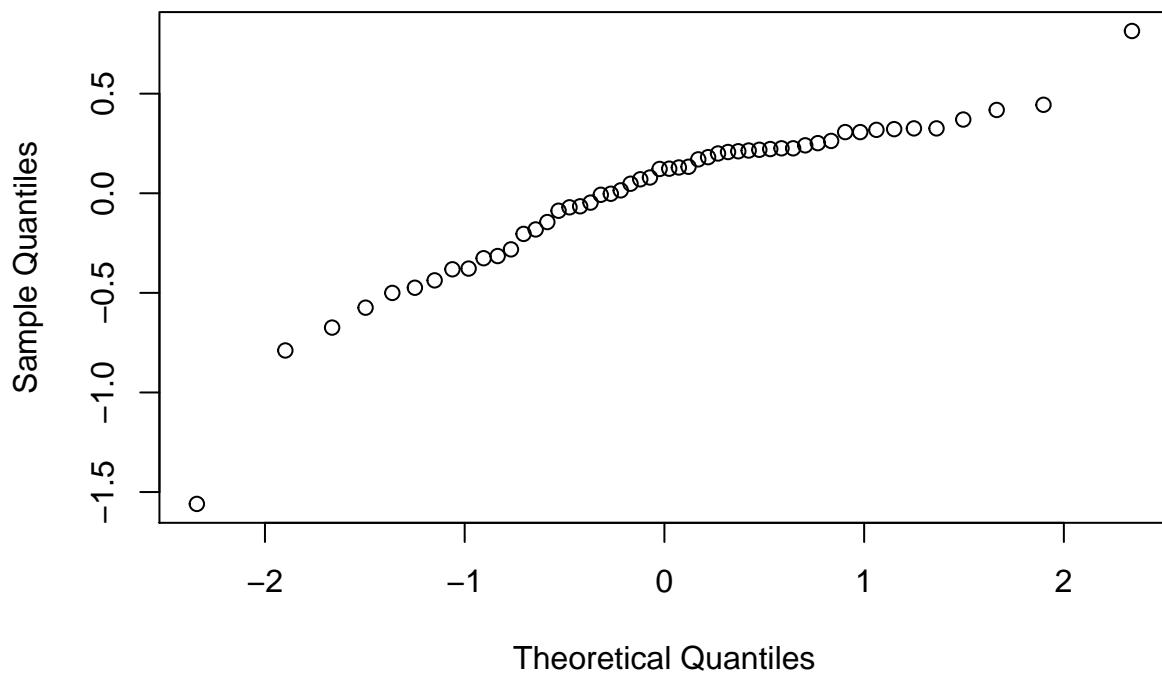
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.num.fireruns  
Plot of SmPFO\$origEthnicity



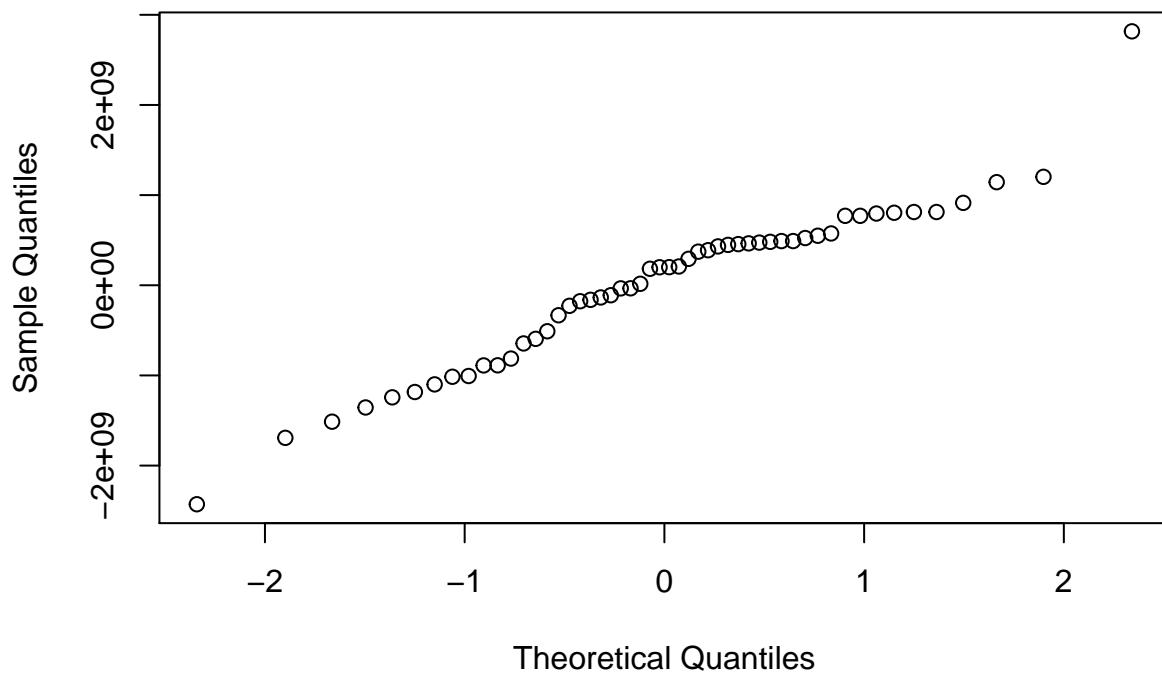
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.num.fireruns  
Plot of SmPFOStransEthnicity**



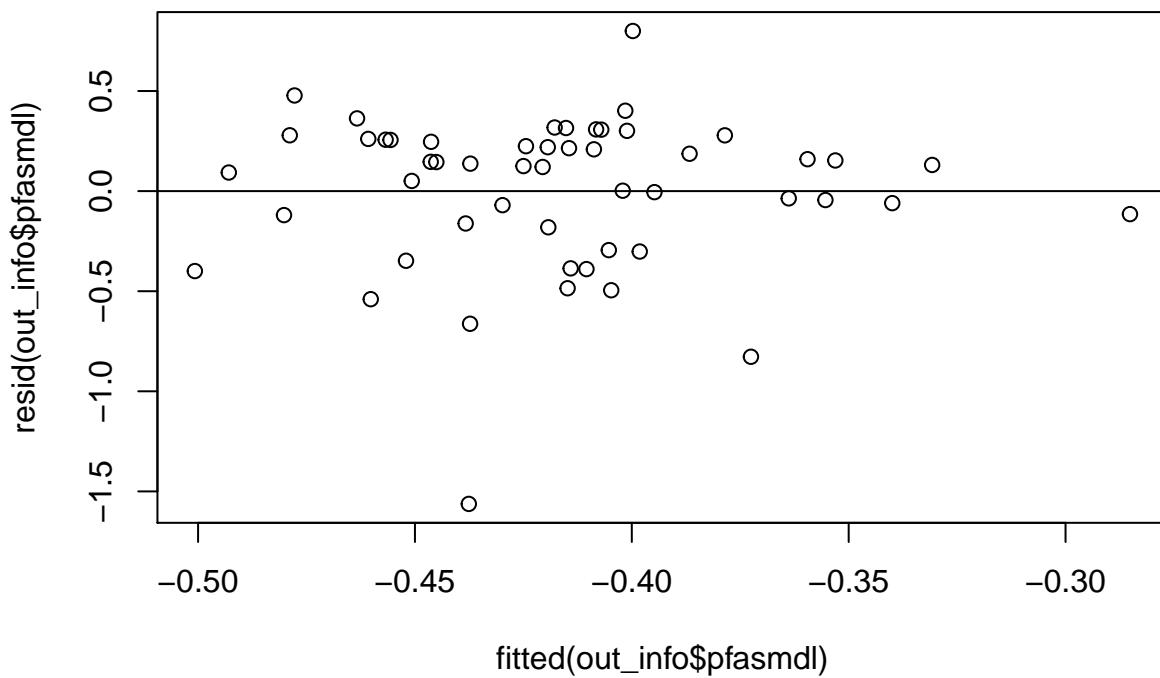
**Normal Q-Q Plot**



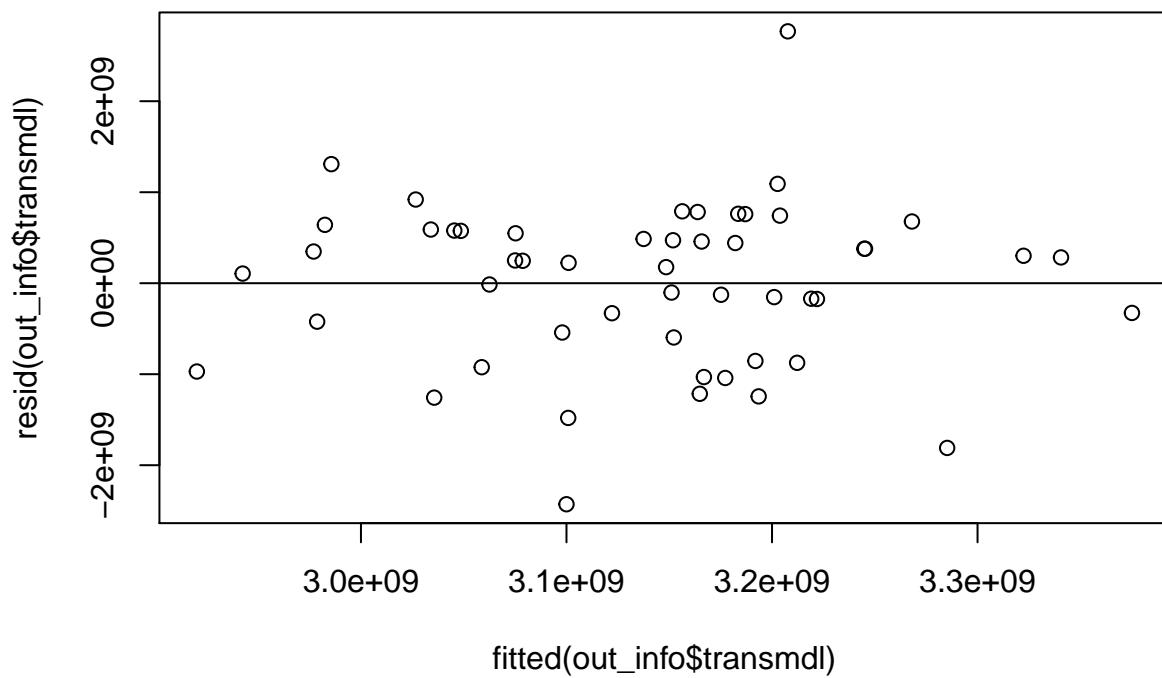
### Normal Q-Q Plot



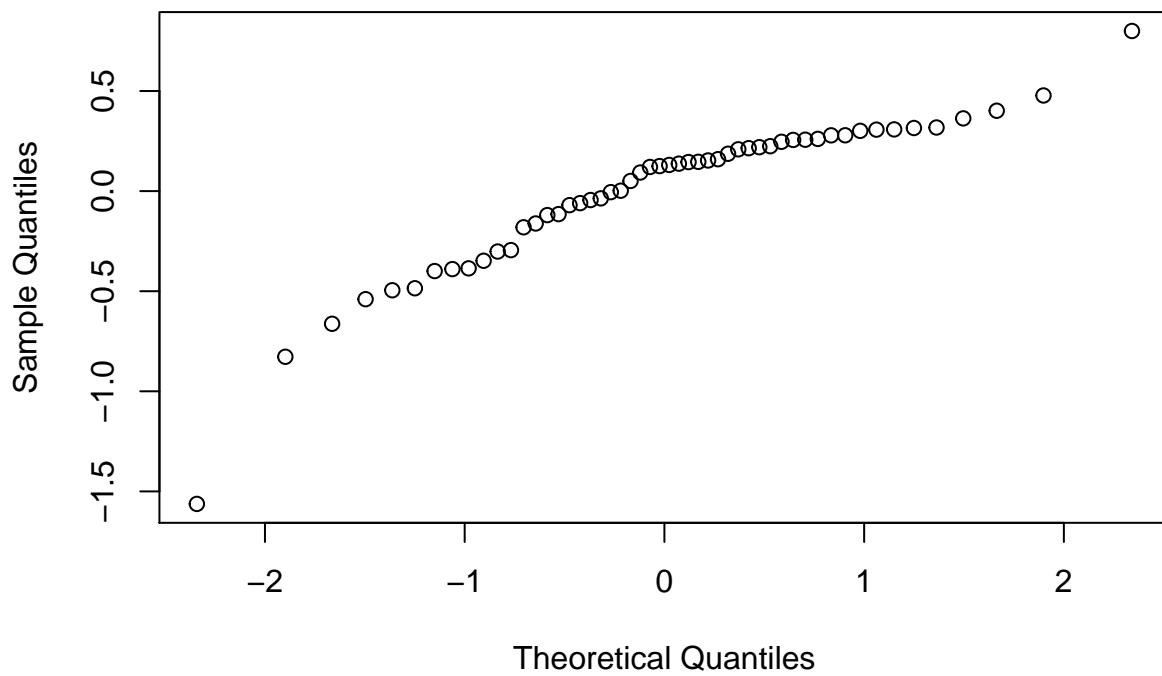
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$total.duration.hrs  
Plot of SmPFO\$orig\$Ethnicity



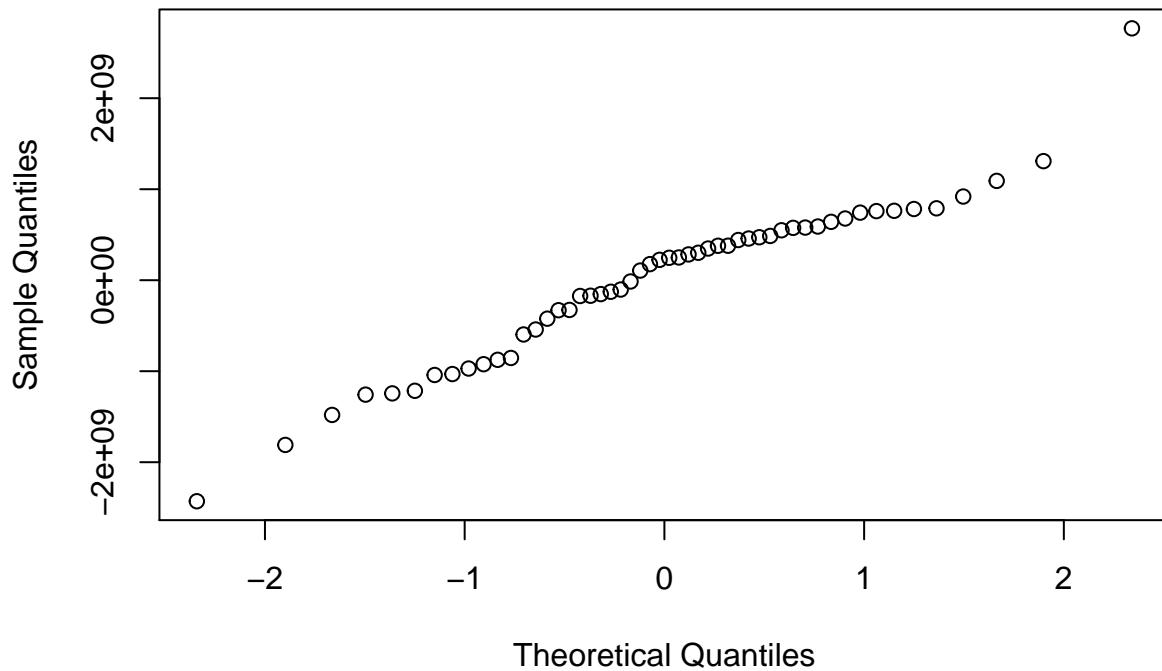
**Plot of SmPFOStrans+  
Plot of SmPFOStranstotal.duration.hrs  
Plot of SmPFOStransEthnicity**



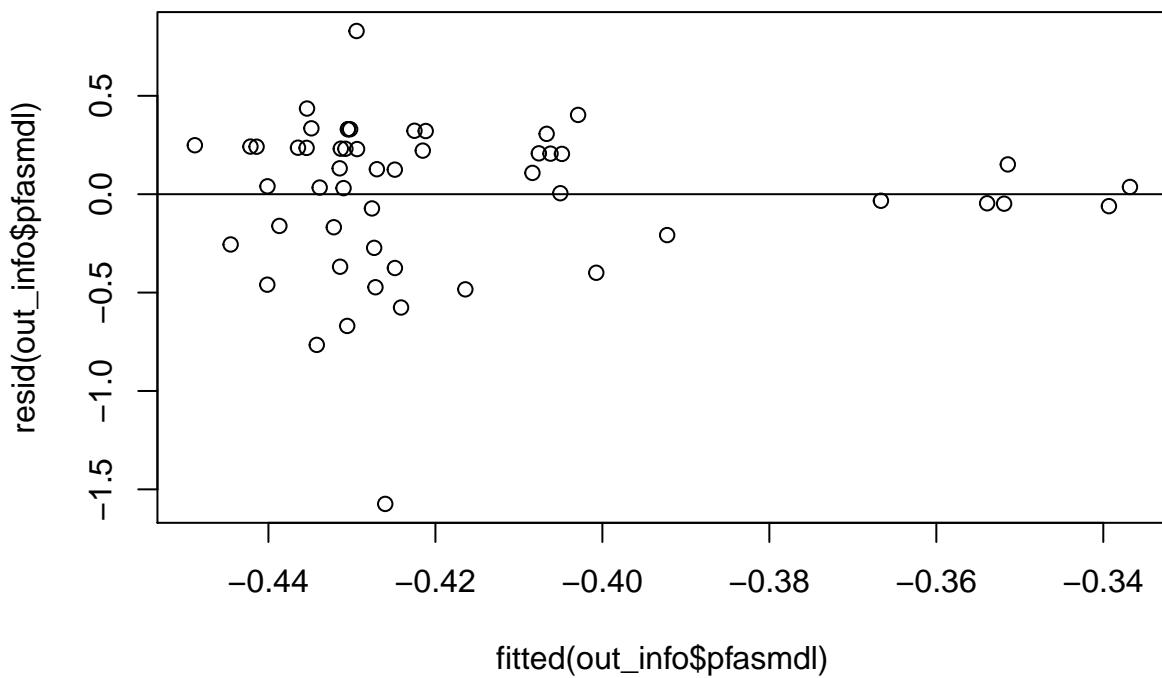
**Normal Q-Q Plot**



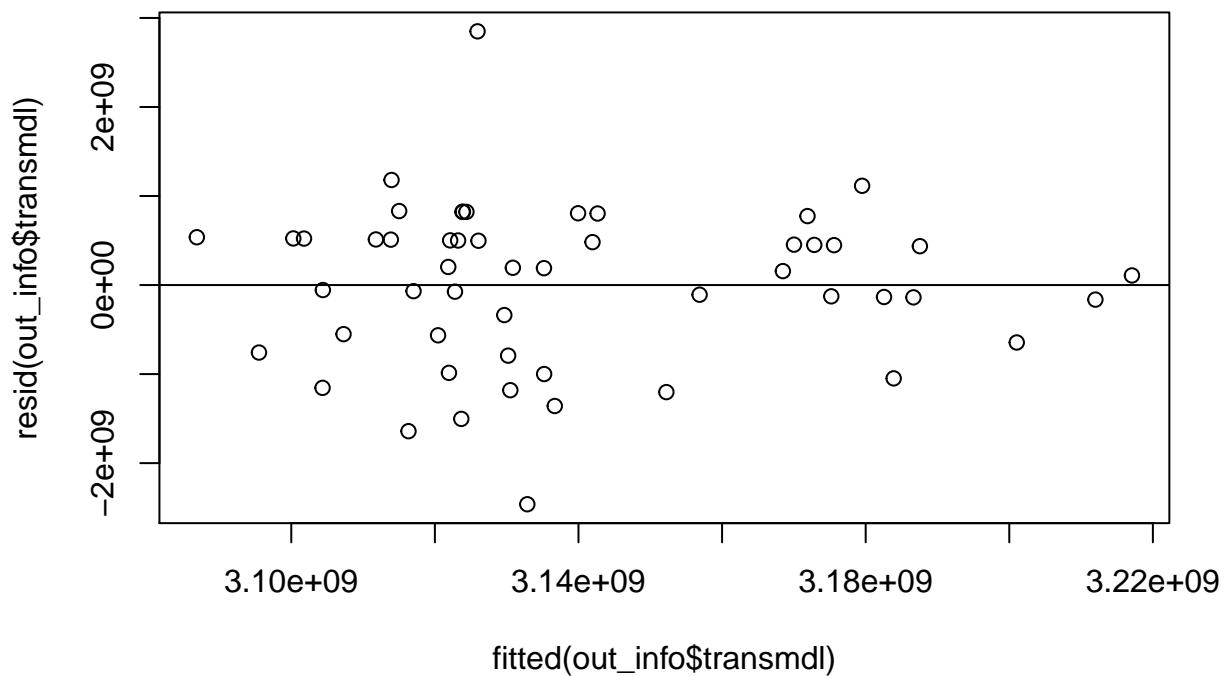
### Normal Q-Q Plot



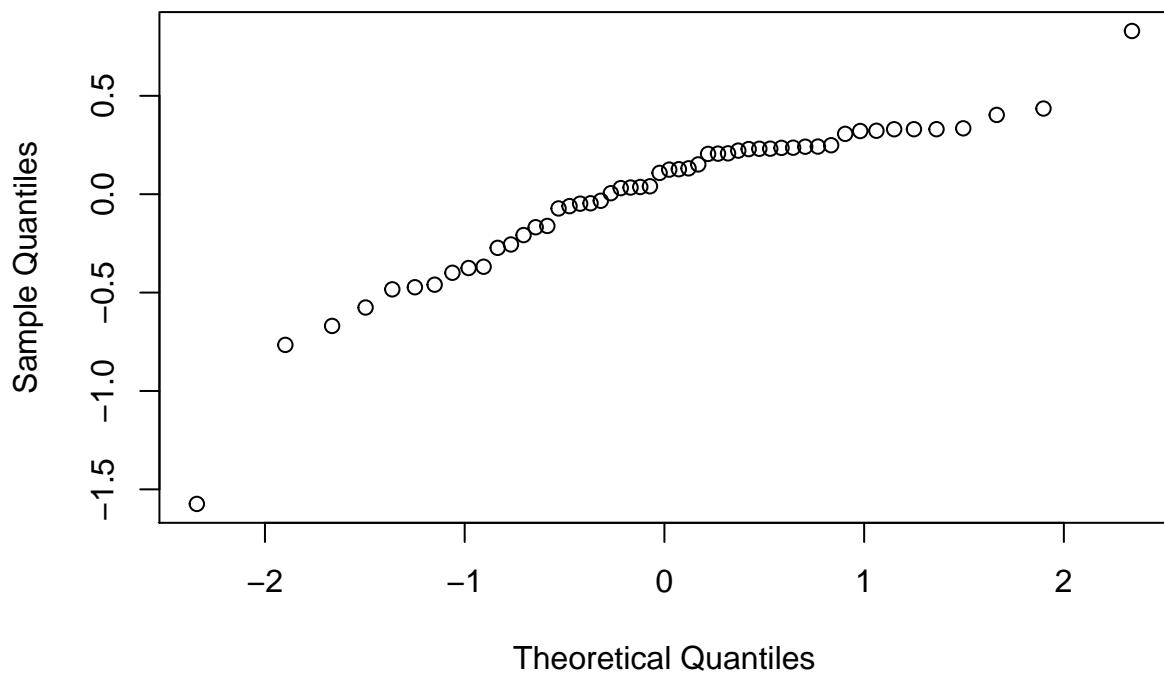
Plot of SmPFO\$orig+  
Plot of SmPFO\$origstr.duration.hrs  
Plot of SmPFO\$origEthnicity



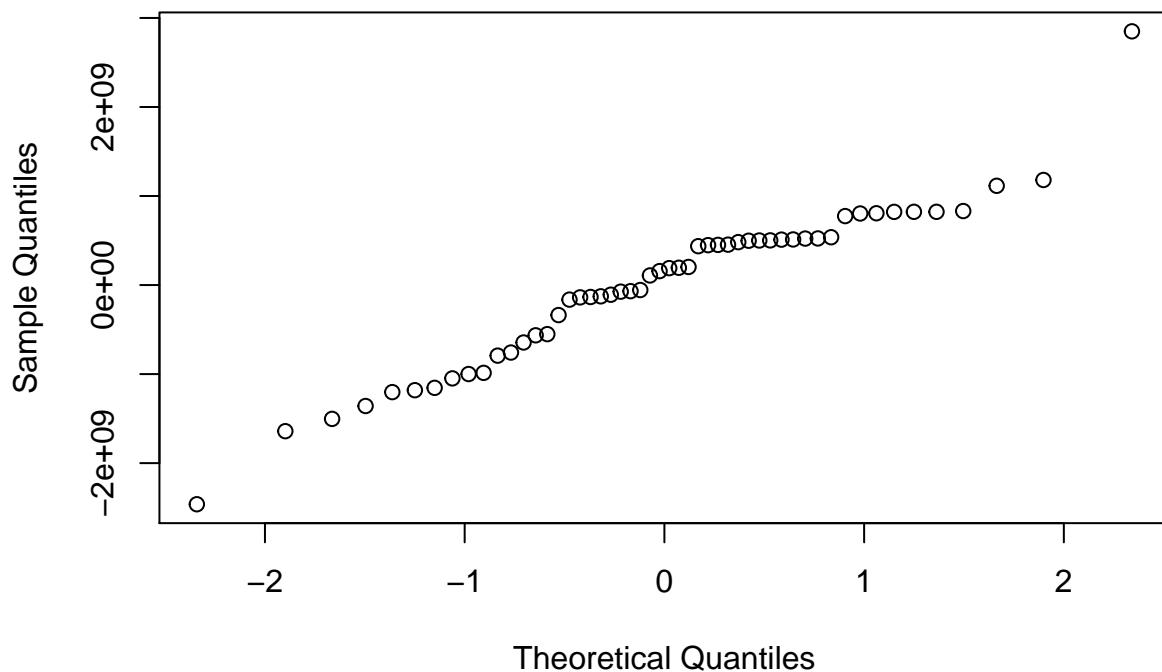
**Plot of SmPFOStrans+  
Plot of SmPFOStransstr.duration.hrs  
Plot of SmPFOStransEthnicity**



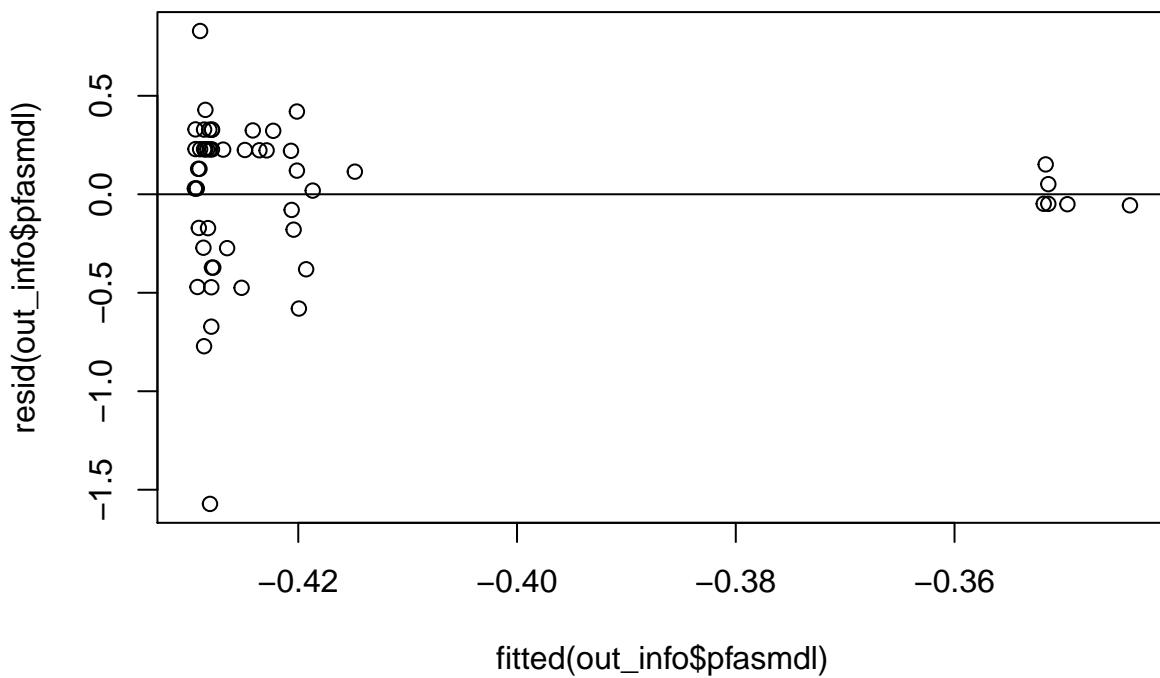
**Normal Q-Q Plot**



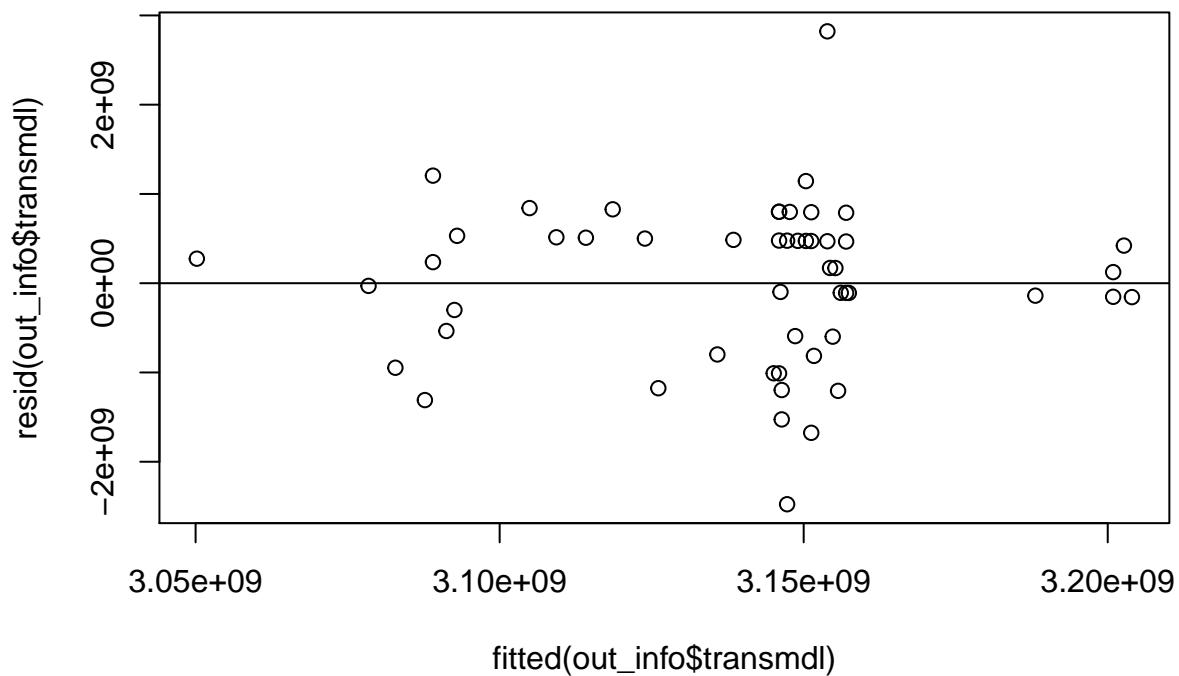
### Normal Q-Q Plot



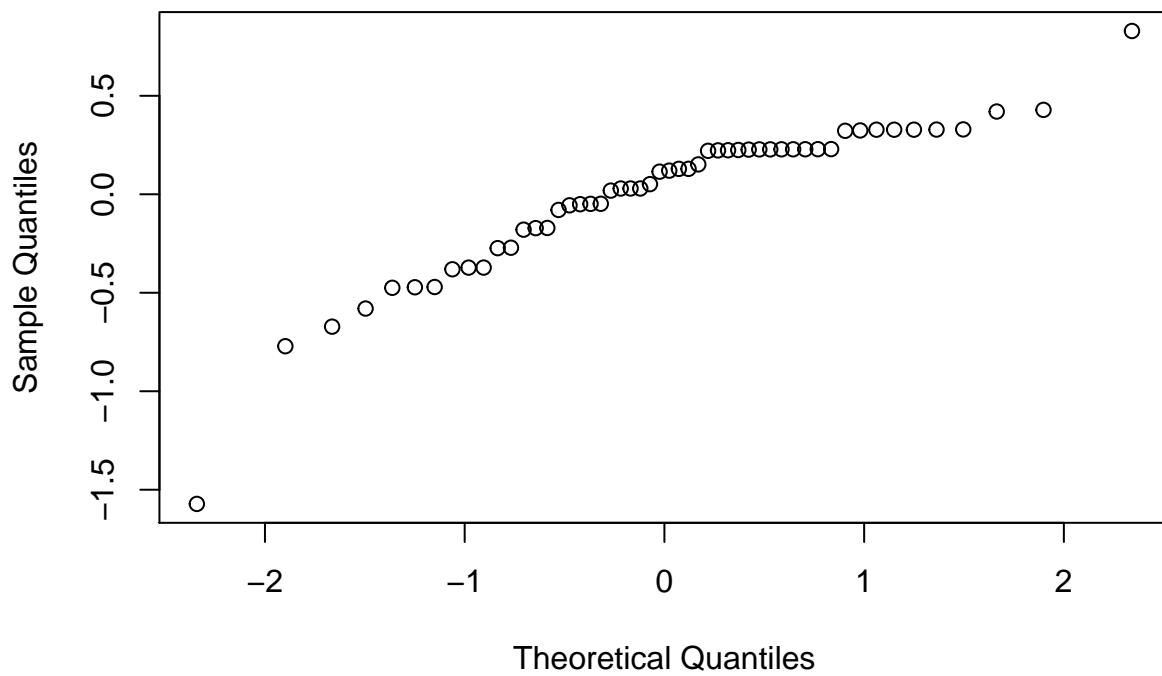
**Plot of SmPFO\$orig +  
Plot of SmPFO\$origdays.since.MRF  
Plot of SmPFO\$origEthnicity**



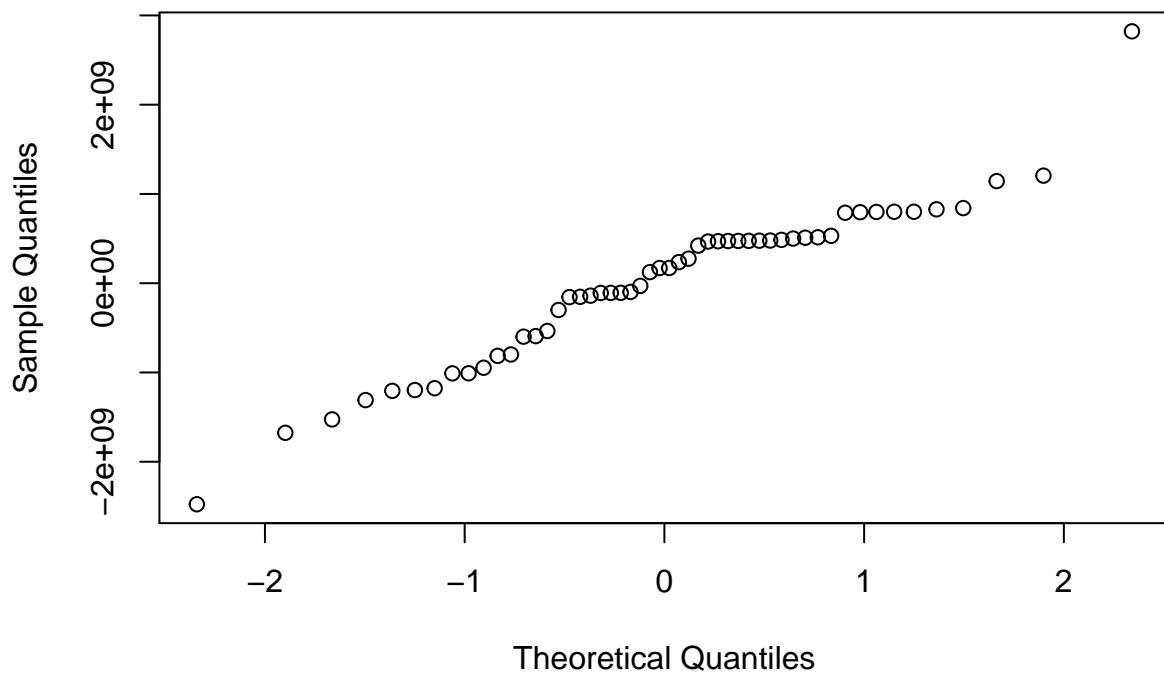
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.MRF  
Plot of SmPFOStransEthnicity**



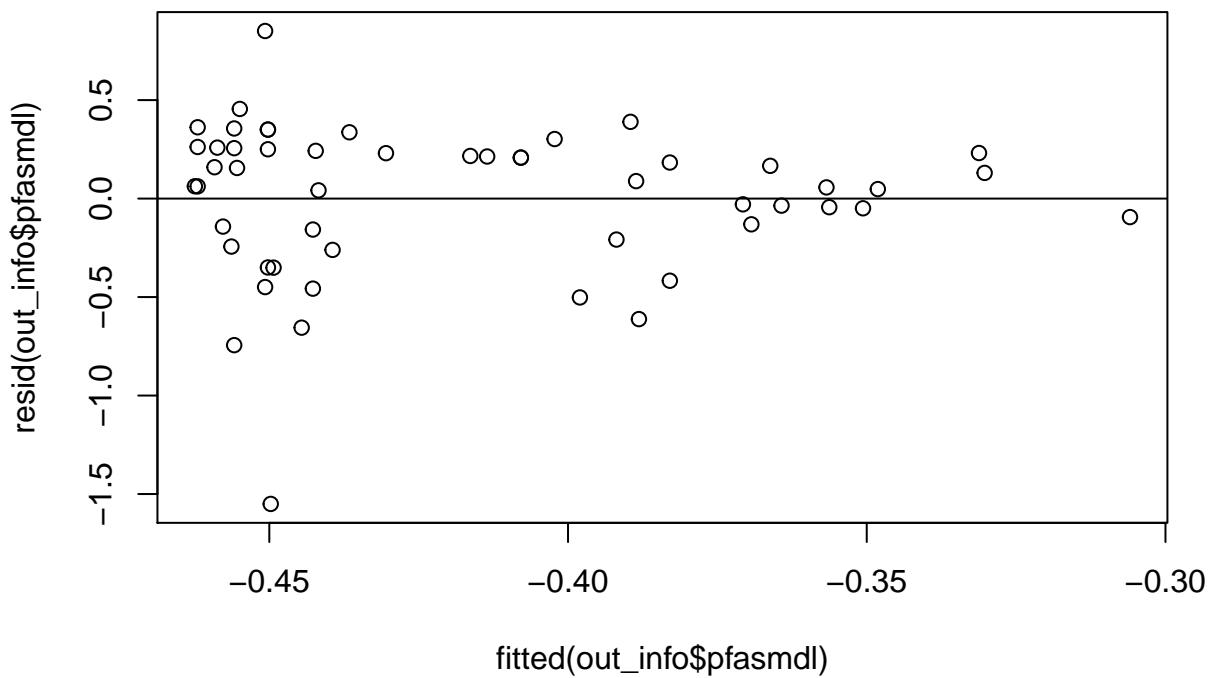
**Normal Q-Q Plot**



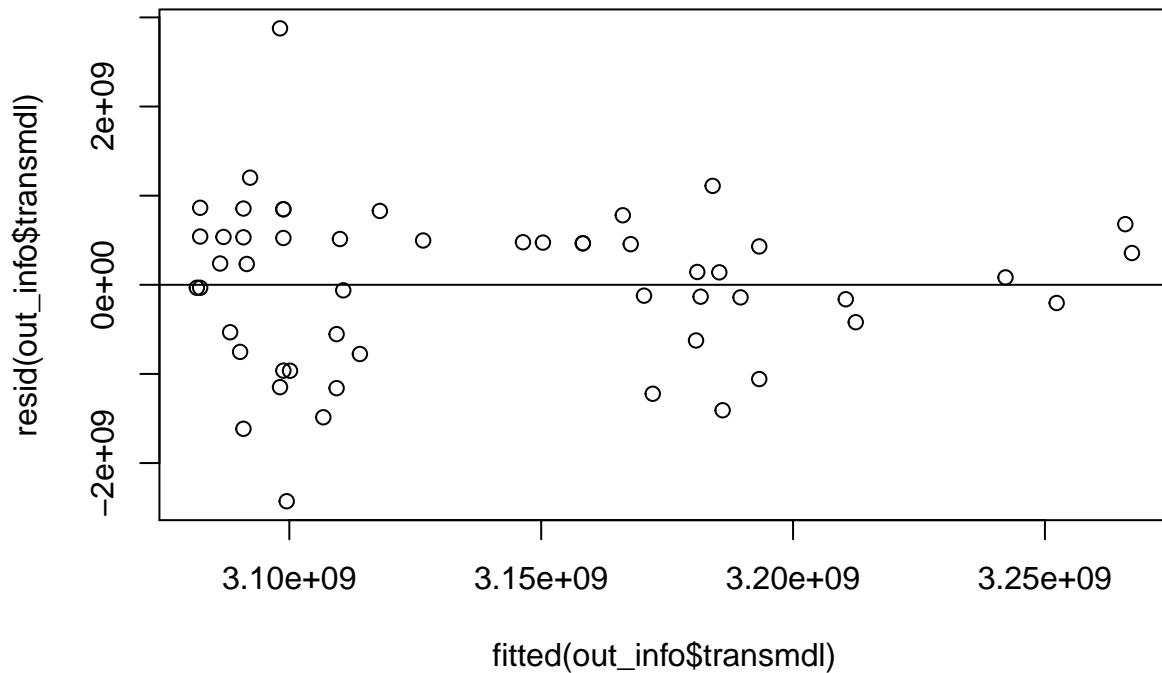
### Normal Q-Q Plot



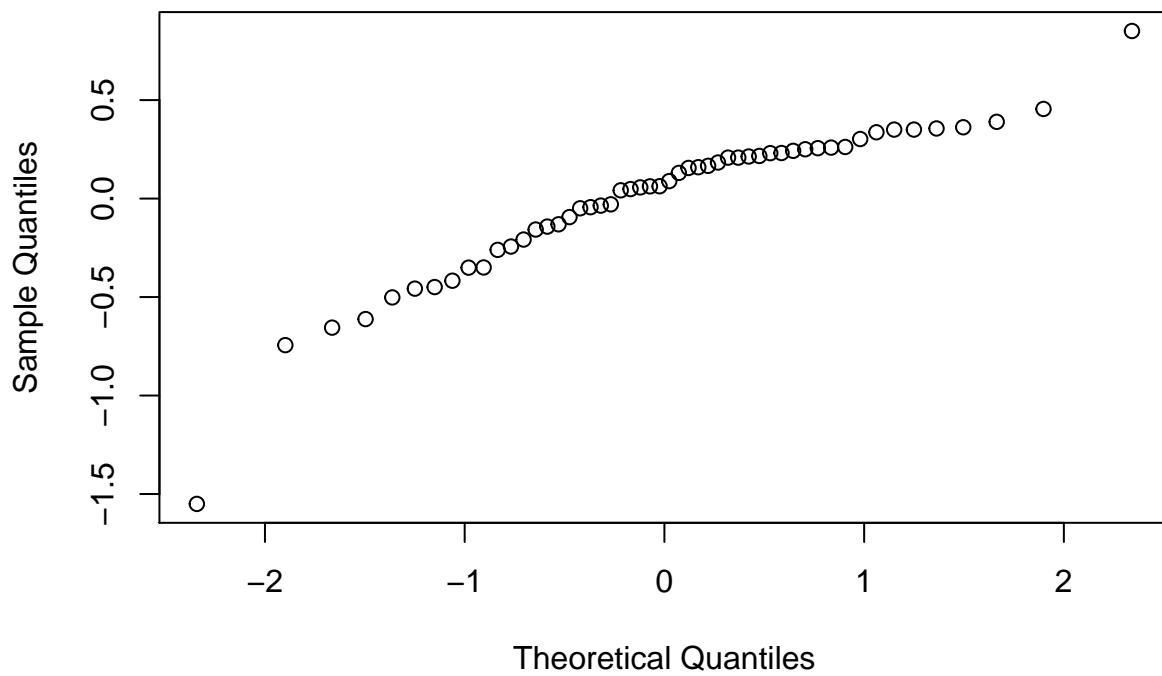
Plot of SmPFO\$orig+  
Plot of SmPFO\$origdays.since.struc.MRF  
Plot of SmPFO\$origEthnicity



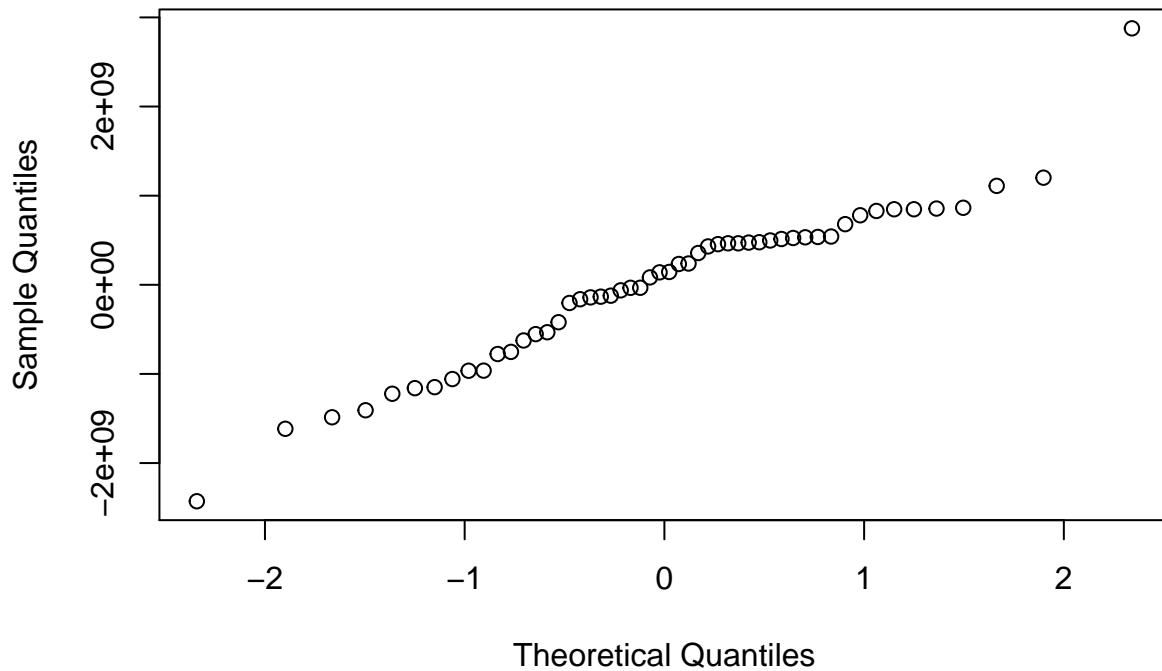
**Plot of SmPFOStrans+  
Plot of SmPFOStransdays.since.struc.MRF  
Plot of SmPFOStransEthnicity**



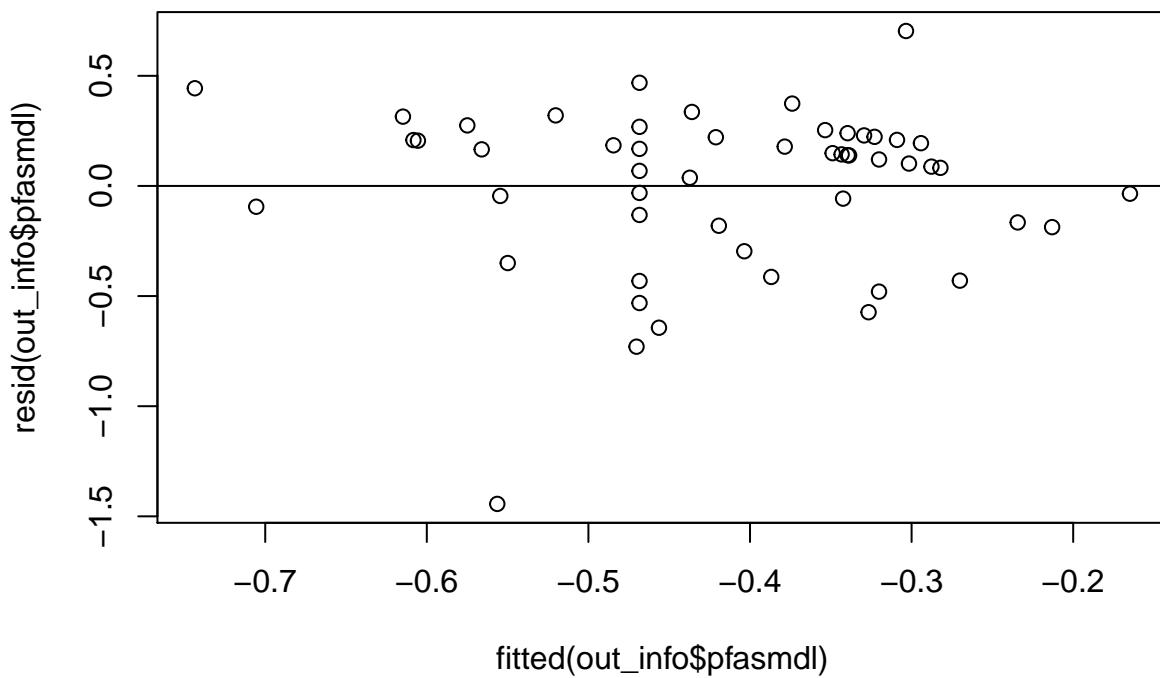
**Normal Q-Q Plot**



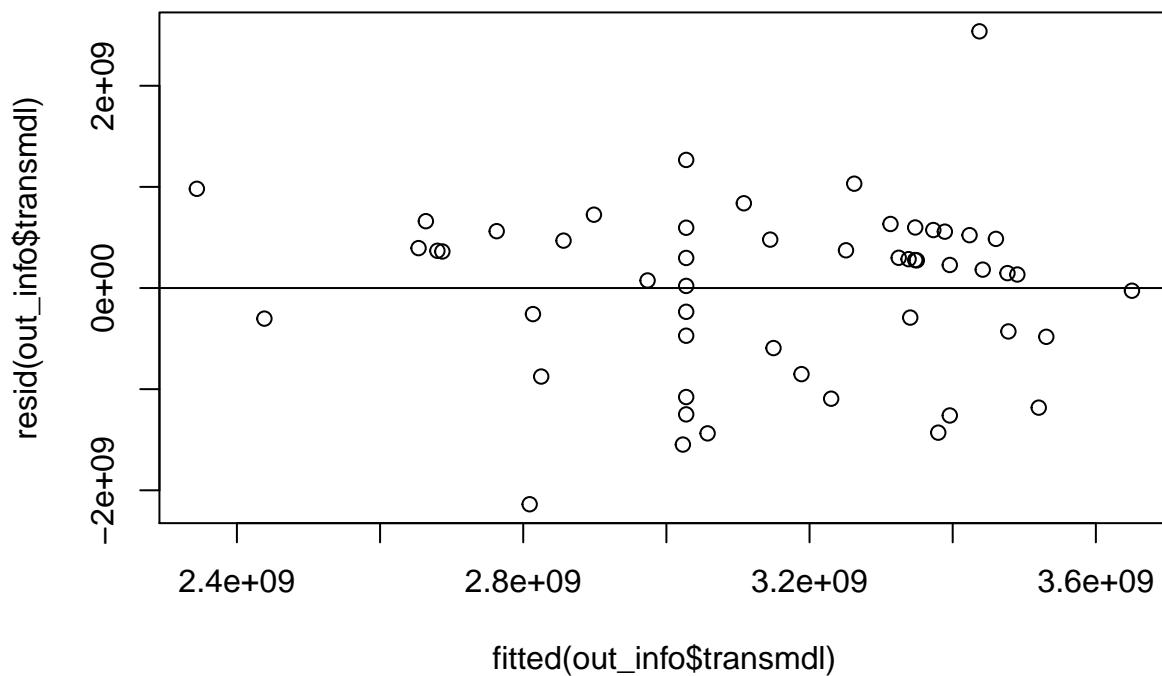
### Normal Q-Q Plot



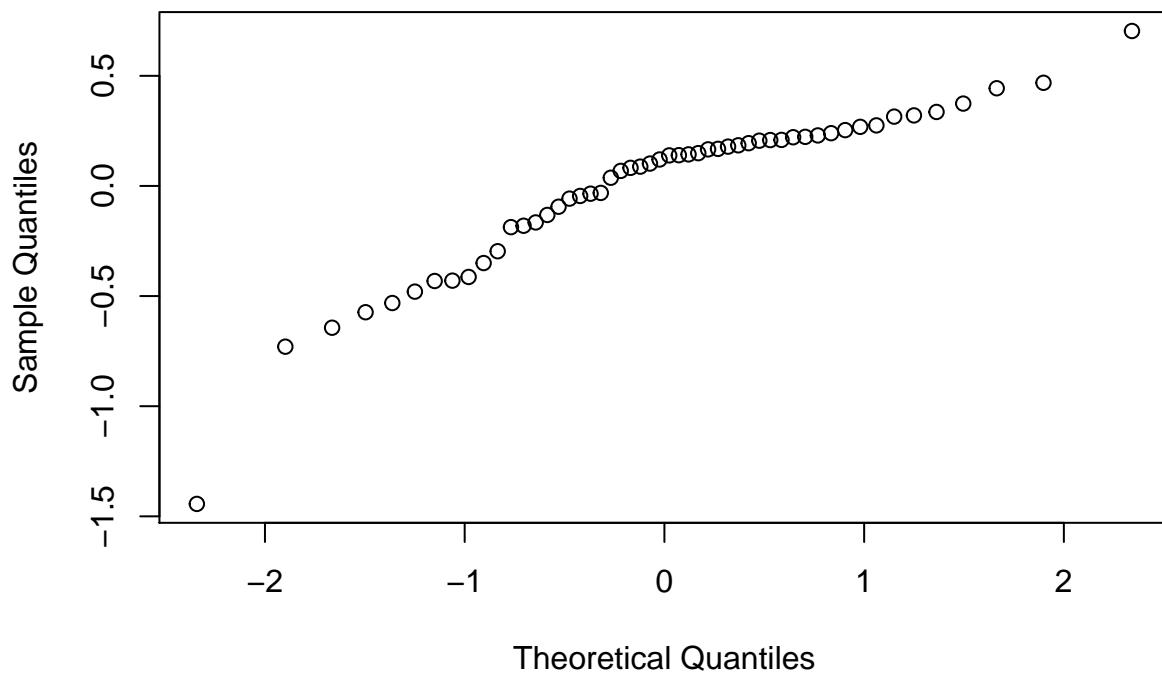
Plot of SmPFO\$orig+  
Plot of SmPFO\$orig\$time.since.baseline  
Plot of SmPFO\$orig\$Ethnicity



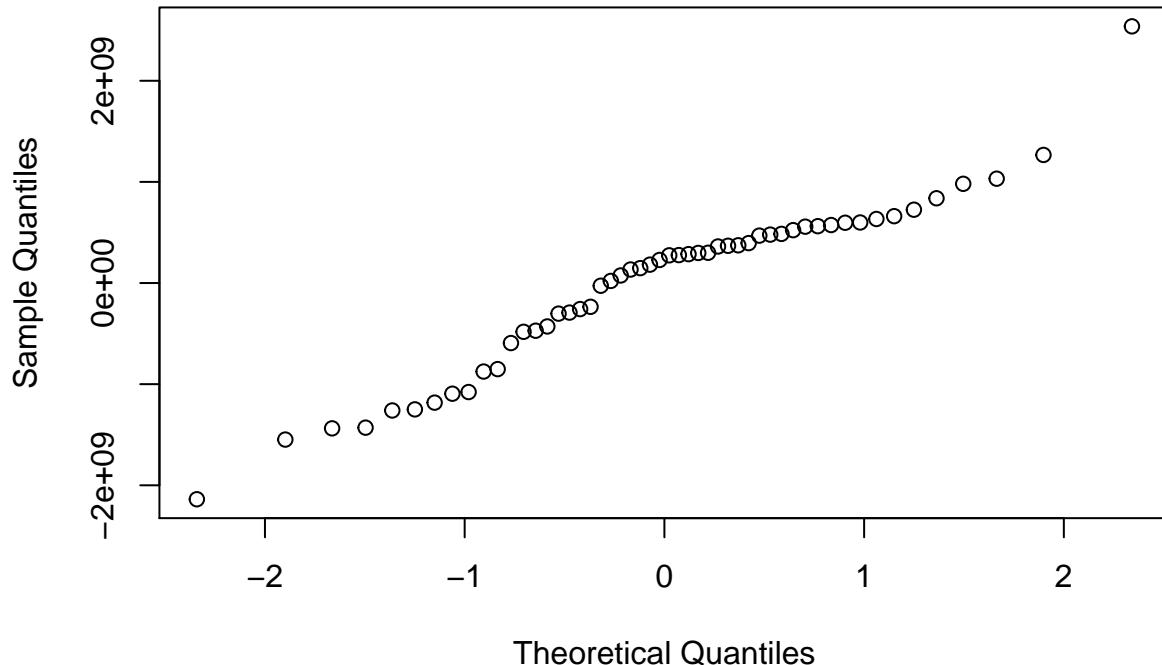
**Plot of SmPFOStrans+  
Plot of SmPFOStranstime.since.baseline  
Plot of SmPFOStransEthnicity**



**Normal Q-Q Plot**



## Normal Q-Q Plot



```

for (pfas in pfas.list) {
  pfas.name <- pfas
  for (pfas.trans in pfastrans.list) {
    Tpfas.name <- pfas.trans
    for (fire.var in fire.list) {
      fire.name <- fire.var
      out_info <- change_plot_fxn(FireChange2, pfas, pfas.trans, fire.var)

      #Cooks distance plots
      CDplots <- sapply(list(out_info$pfasmld, out_info$transmdl), cooks_distance_plot)
      ggarrange(plotlist = CDplots,
                labels = paste(out_info$pfasmld$terms[[2]],
                               out_info$pfasmld$terms[[3]]))
    }
  }
}

for (pfas in pfas.list) {
  pfas.name <- pfas
  for (pfas.trans in pfastrans.list) {
    Tpfas.name <- pfas.trans
    for (fire.var in fire.list) {
      fire.name <- fire.var
      out_info <- change_plot_fxn(FireChange2, pfas, pfas.trans, fire.var)

      #DFBETA plots
    }
  }
}

```

```

fbeta1 <- fbetaas_plot(out_info$pfasm1)
fbeta2 <- fbetaas_plot(out_info$transmdl)
FBplots <- list(fbeta1`^(Intercept)`$plot, fbeta1$total.num.fireruns$plot,
                 fbeta1$EthnicityHispanic$plot, fbeta2`^(Intercept)`$plot,
                 fbeta2$total.num.fireruns$plot, fbeta2$EthnicityHispanic$plot)
ggarrange(plotlist = FBplots)

}
}
}

```

For every change score models, get more diagnostic information (cooks distance, and dfbetas) for both original and transformed models: [https://cran.r-project.org/web/packages/olsrr/vignettes/influence\\_measures.html](https://cran.r-project.org/web/packages/olsrr/vignettes/influence_measures.html) options: get rid of a point or two, or transform. would probably prefer to transform because we can leave the point in the model. Use ggarrange to condense the output a little

- Look through residuals.
- Get rid of age and bmi from change scores.
- Add in baseline pfas to each model as follow-up as sensitivity
- add each age & bmi as sensitivity
- Take women out. Done. still need to ask Dean about this.
- We have a month.
- I should look through Amy's incumbent vs. new recruit info.
- Make sure longitudinal models are done
- need to do dichotomous models
- Think about how to control for multiple comparisons