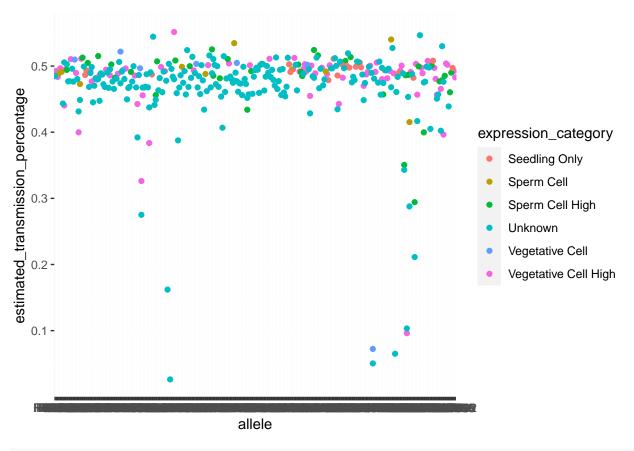
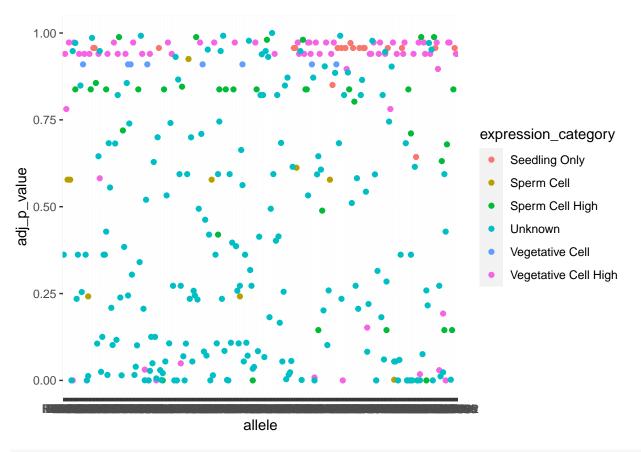
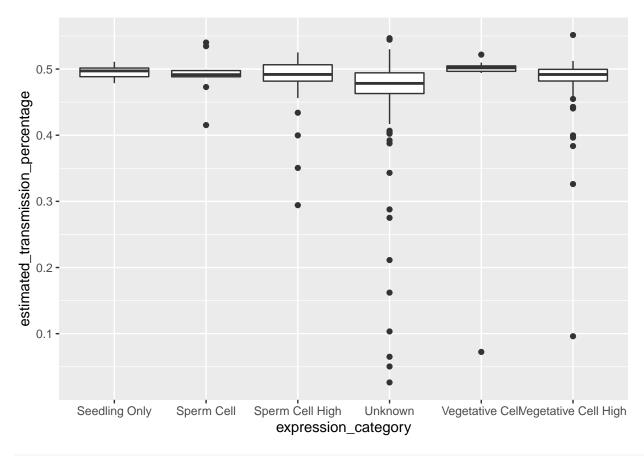
2023 Analysis Graphics

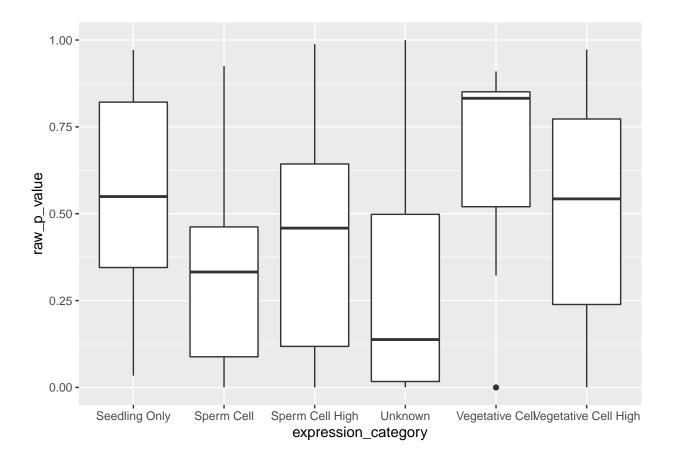
Michelle Bang

2023-02-28



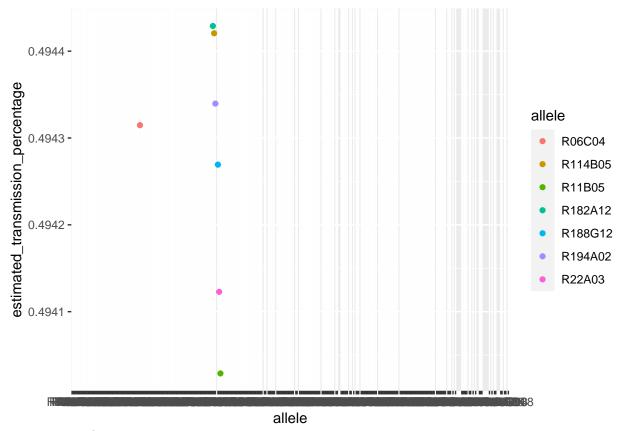






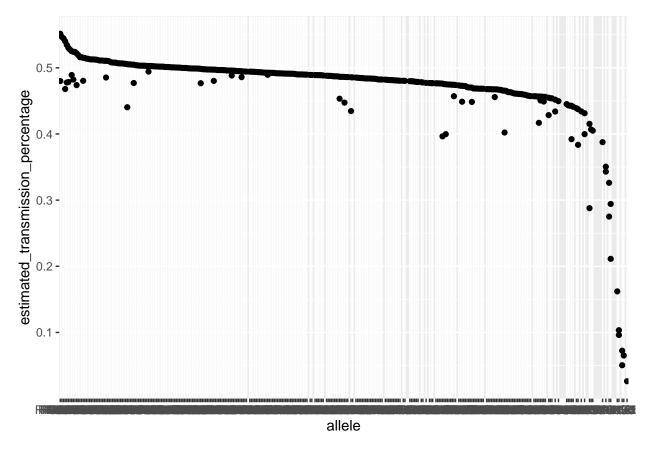
```
#ADDITIONAL REQUESTS FROM JOHN (02/28)
```

```
ordered df <- asn %>%
  arrange(desc(estimated_transmission_percentage))
write.table(ordered_df, file = "2023_analysis_sum_ordered.tsv", sep = "\t", row.names=FALSE)
ignore this part... this is me looking into the graph...
ordered_df %>%
filter(allele == "R06C04")
     allele logit_of_percentage estimated_transmission_percentage
## 1 R06C04
                     0.01111123
                                                       0.5027778
## 2 R06C04
                    -0.02274185
                                                       0.4943148
    lower_confidence_interval upper_confidence_interval raw_p_value adj_p_value
## 1
                     0.4367791
                                              0.5686798
                                                         0.9345915 0.9712513
## 2
                     0.4689328
                                              0.5197261
                                                          expression_category
## 1
                Unknown
## 2
         Sperm Cell High
small_df <- ordered_df %>%
 filter(estimated_transmission_percentage > .4940 & estimated_transmission_percentage < .4945)
sm_plot <- ggplot(small_df, mapping = aes(x = allele,</pre>
                          y = estimated_transmission_percentage,
                          col = allele)) + geom_point()
sm_plot + scale_x_discrete(limits = ordered_df[["allele"]])
```

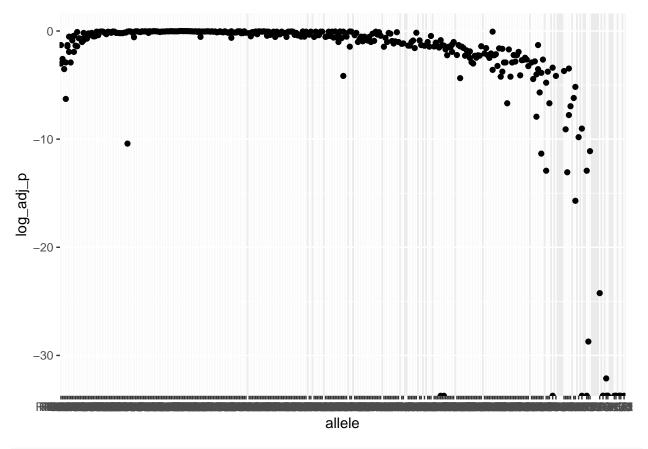


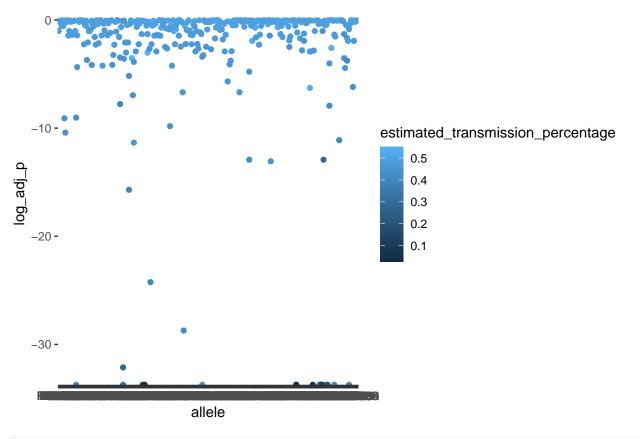
-ignore up to here—

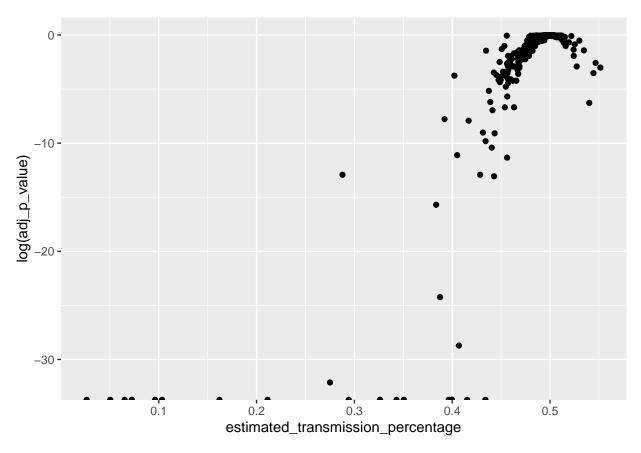
GRAPHS

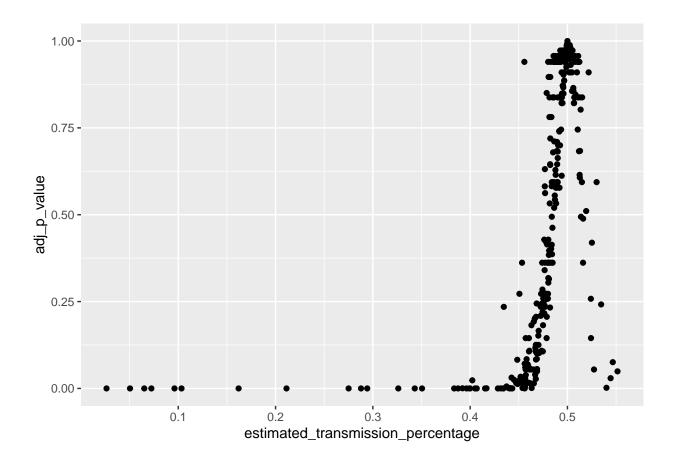


```
with_log_df <- ordered_df %>%
  mutate(log_adj_p = log(adj_p_value)) %>%
  #only R187B08 had log(adj_p_value) of 0
  mutate(log_adj_p = if_else(log_adj_p == 0, 1.0*10^(-15), log_adj_p))
```



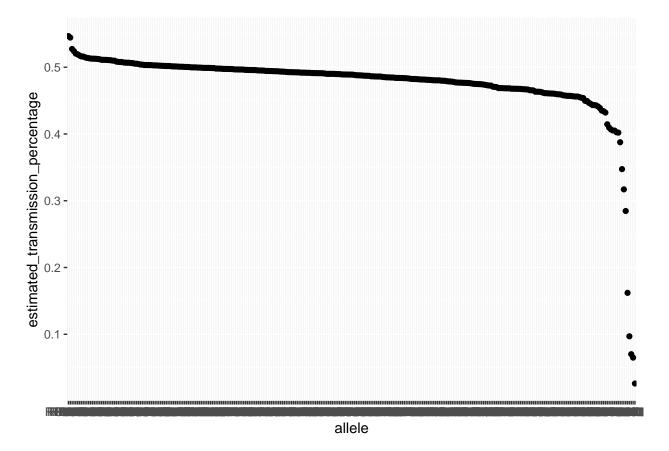






```
#NEW GRAPHICS...
```

```
ordered_new <- asn_new %>%
arrange(desc(estimated_transmission_percentage))
```



```
with_log_df_new <- ordered_new %>%
mutate(log_adj_p = log(adj_p_value)) %>%
#only R187B08 had log(adj_p_value) of 0
mutate(log_adj_p = if_else(log_adj_p == 0, 1.0*10^(-15), log_adj_p))
```

