Pham 88378

1: SendItCS_59 + 2

2: Thiqqums_63 + 2

3: FromIndy_63

4: Kardashian_61
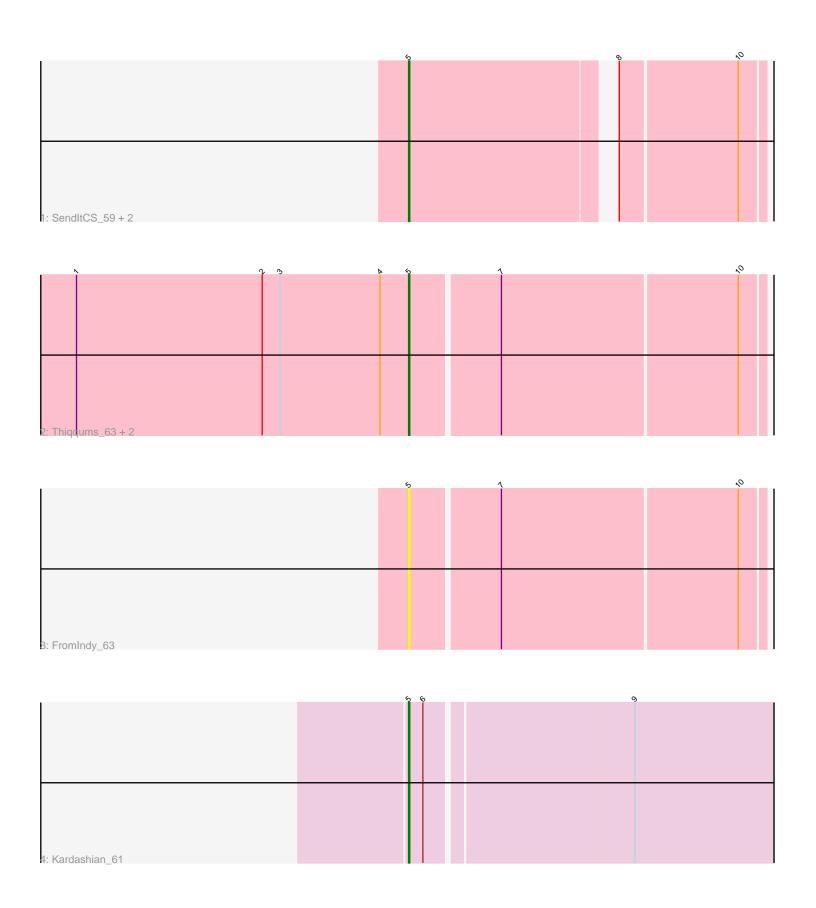
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 88378 Report

This analysis was run 03/30/24 on database version 556.

Pham number 88378 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : SendItCS_59, Miek_60, Regigigas_64
• Track 2 : Thiqqums_63, Rainydai_61, CricKo_63
• Track 3 : FromIndy_63
• Track 4 : Kardashian_61

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 5, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CricKo_63, FromIndy_63, Kardashian_61, Miek_60, Rainydai_61, Regigigas_64, SendItCS_59, Thiqqums_63,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CricKo_63 (BI4), FromIndy_63 (BI4), Kardashian_61 (BI6), Miek_60 (BI4), Rainydai_61 (BI4), Regigigas_64 (BI4), SendItCS_59 (BI4), Thiqqums_63 (BI4),

Summary by clusters:

There are 2 clusters represented in this pham: BI6, BI4,

Info for manual annotations of cluster BI4:
•Start number 5 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI6:
•Start number 5 was manually annotated 1 time for cluster BI6.

Gene Information:

Gene: CricKo_63 Start: 41689, Stop: 41976, Start Num: 5
Candidate Starts for CricKo_63:
(1, 41410), (2, 41566), (3, 41581), (4, 41665), (Start: 5 @41689 has 6 MA's), (7, 41761), (10, 41956),

Gene: FromIndy_63 Start: 41294, Stop: 41581, Start Num: 5
Candidate Starts for FromIndy_63:
(Start: 5 @41294 has 6 MA's), (7, 41366), (10, 41561),

Gene: Kardashian_61 Start: 42855, Stop: 43160, Start Num: 5
Candidate Starts for Kardashian_61:
(Start: 5 @42855 has 6 MA's), (6, 42867), (9, 43035),

Gene: Miek_60 Start: 40956, Stop: 41228, Start Num: 5
Candidate Starts for Miek_60:
(Start: 5 @40956 has 6 MA's), (8, 41112), (10, 41208),

Gene: Rainydai_61 Start: 41689, Stop: 41976, Start Num: 5
Candidate Starts for Rainydai_61:
(1, 41410), (2, 41566), (3, 41581), (4, 41665), (Start: 5 @41689 has 6 MA's), (7, 41761), (10, 41956),

Gene: Regigigas_64 Start: 41689, Stop: 41961, Start Num: 5
Candidate Starts for Regigigas_64:
(Start: 5 @41689 has 6 MA's), (8, 41845), (10, 41941),

Gene: SendItCS_59 Start: 40944, Stop: 41216, Start Num: 5
Candidate Starts for SendItCS_59:
(Start: 5 @40944 has 6 MA's), (8, 41100), (10, 41196),

Gene: Thiqqums_63 Start: 41689, Stop: 41976, Start Num: 5
Candidate Starts for Thiqqums_63:
(1, 41410), (2, 41566), (3, 41581), (4, 41665), (Start: 5 @41689 has 6 MA's), (7, 41761), (10, 41956),