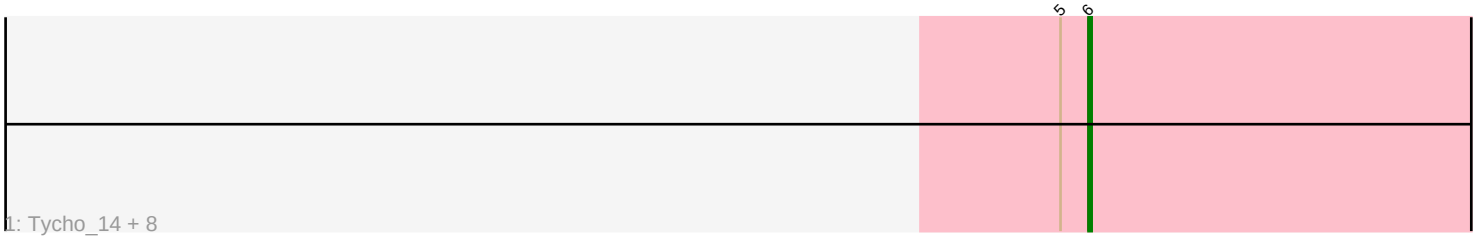
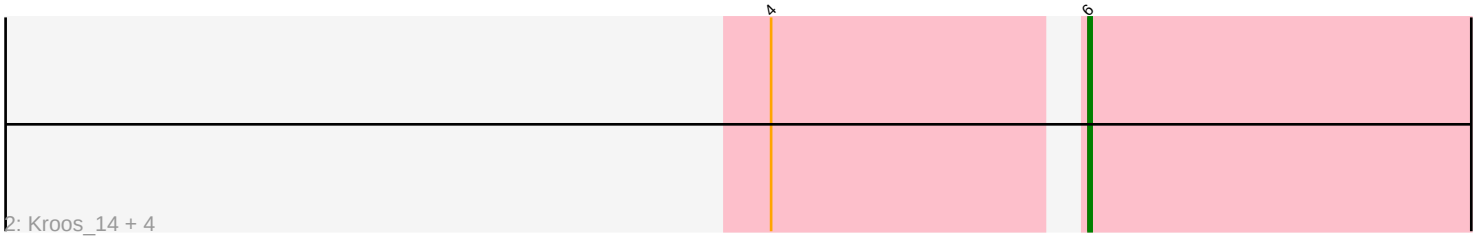
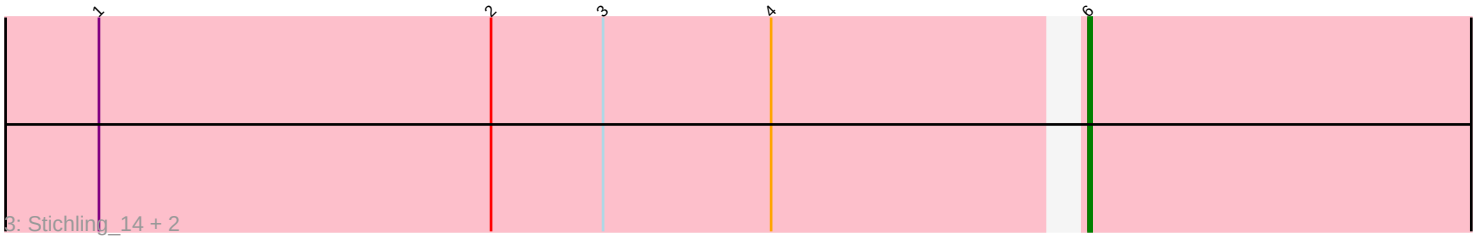
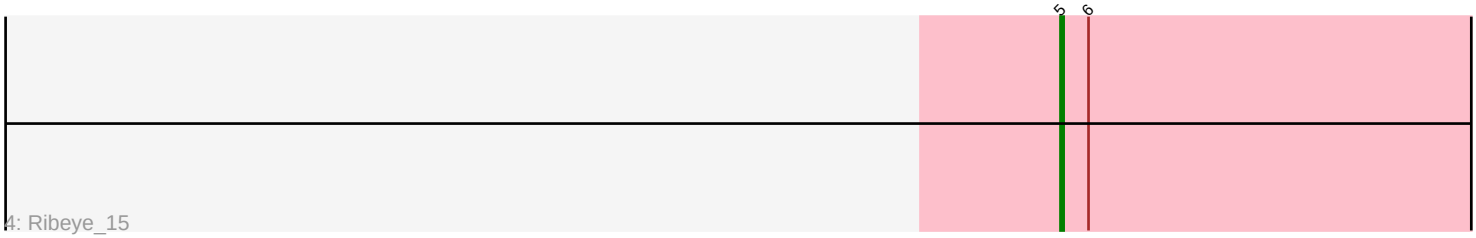
Pham 346168

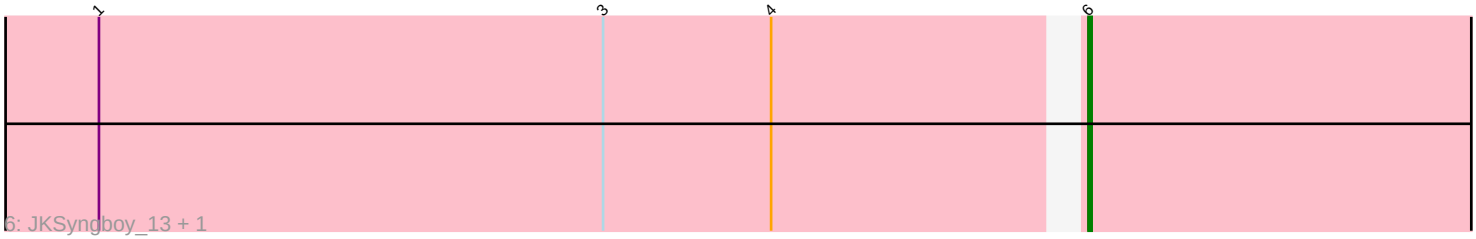

5
6
1: Tycho_14 + 8


4
6
2: Kroos_14 + 4


1
2
3
4
6
3: Stichling_14 + 2


5
6
4: Ribeye_15


6
7
8
5: RiverRaider_15


1
3
4
6
6: JKSyngboy_13 + 1

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 346168 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346168 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Tycho_14, Ashertheman_14, Saronaya_14, Bizzy_15, Flatwoods_15, Gustavo_14, Kwobi_14, LilHam_12, SchottB_13
• Track 2 : Kroos_14, StorminNorm_14, Baumdotcom_14, Gaea_14, Tangerine_14
• Track 3 : Stichling_14, Derg_10, YorkOnyx_14
• Track 4 : Ribeye_15
• Track 5 : RiverRaider_15
• Track 6 : JKSyngboy_13, Baddon_14

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

The start number called the most often in the published annotations is 6, it was called in 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashertheman_14, Baddon_14, Baumdotcom_14, Bizzy_15, Derg_10, Flatwoods_15, Gaea_14, Gustavo_14, JKSyngboy_13, Kroos_14, Kwobi_14, LilHam_12, RiverRaider_15, Saronaya_14, SchottB_13, Stichling_14, StorminNorm_14, Tangerine_14, Tycho_14, YorkOnyx_14,

Genes that have the "Most Annotated" start but do not call it:
• Ribeye_15,

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

Summary by start number:

Start 5:
• Found in 10 of 21 (47.6%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Ribeye_15 (DE1),

Start 6:

• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 19 of 20
• Called 95.2% of time when present
• Phage (with cluster) where this start called: Asherthеman_14 (DE1), Baddon_14 (DE1), Baumdotcom_14 (DE1), Bizzy_15 (DE1), Derg_10 (DE1), Flatwoods_15 (DE1), Gaea_14 (DE1), Gustavo_14 (DE1), JKSyngboy_13 (DE1), Kroos_14 (DE1), Kwobi_14 (DE1), LilHam_12 (DE1), RiverRaider_15 (DE1), Saronaya_14 (DE1), SchottB_13 (DE1), Stichling_14 (DE1), StorminNorm_14 (DE1), Tangerine_14 (DE1), Tycho_14 (DE1), YorkOnyx_14 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:
•Start number 5 was manually annotated 1 time for cluster DE1.
•Start number 6 was manually annotated 19 times for cluster DE1.

Gene Information:

Gene: Asherthеman_14 Start: 8367, Stop: 8492, Start Num: 6
Candidate Starts for Asherthеman_14:
(Start: 5 @8358 has 1 MA's), (Start: 6 @8367 has 19 MA's),

Gene: Baddon_14 Start: 8966, Stop: 9091, Start Num: 6
Candidate Starts for Baddon_14:
(1, 8660), (3, 8822), (4, 8876), (Start: 6 @8966 has 19 MA's),

Gene: Baumdotcom_14 Start: 8276, Stop: 8401, Start Num: 6
Candidate Starts for Baumdotcom_14:
(4, 8186), (Start: 6 @8276 has 19 MA's),

Gene: Bizzy_15 Start: 8564, Stop: 8689, Start Num: 6
Candidate Starts for Bizzy_15:
(Start: 5 @8555 has 1 MA's), (Start: 6 @8564 has 19 MA's),

Gene: Derg_10 Start: 7580, Stop: 7705, Start Num: 6
Candidate Starts for Derg_10:
(1, 7274), (2, 7400), (3, 7436), (4, 7490), (Start: 6 @7580 has 19 MA's),

Gene: Flatwoods_15 Start: 8568, Stop: 8693, Start Num: 6
Candidate Starts for Flatwoods_15:
(Start: 5 @8559 has 1 MA's), (Start: 6 @8568 has 19 MA's),

Gene: Gaea_14 Start: 8256, Stop: 8381, Start Num: 6
Candidate Starts for Gaea_14:
(4, 8166), (Start: 6 @8256 has 19 MA's),

Gene: Gustavo_14 Start: 8367, Stop: 8492, Start Num: 6
Candidate Starts for Gustavo_14:
(Start: 5 @8358 has 1 MA's), (Start: 6 @8367 has 19 MA's),

Gene: JKSyngboy_13 Start: 8767, Stop: 8892, Start Num: 6
Candidate Starts for JKSyngboy_13:
(1, 8461), (3, 8623), (4, 8677), (Start: 6 @8767 has 19 MA's),

Gene: Kroos_14 Start: 8417, Stop: 8542, Start Num: 6
Candidate Starts for Kroos_14:
(4, 8327), (Start: 6 @8417 has 19 MA's),

Gene: Kwobi_14 Start: 8370, Stop: 8495, Start Num: 6
Candidate Starts for Kwobi_14:
(Start: 5 @8361 has 1 MA's), (Start: 6 @8370 has 19 MA's),

Gene: LilHam_12 Start: 7686, Stop: 7811, Start Num: 6
Candidate Starts for LilHam_12:
(Start: 5 @7677 has 1 MA's), (Start: 6 @7686 has 19 MA's),

Gene: Ribeye_15 Start: 8556, Stop: 8690, Start Num: 5
Candidate Starts for Ribeye_15:
(Start: 5 @8556 has 1 MA's), (Start: 6 @8565 has 19 MA's),

Gene: RiverRaider_15 Start: 8010, Stop: 8129, Start Num: 6
Candidate Starts for RiverRaider_15:
(Start: 6 @8010 has 19 MA's), (7, 8055), (8, 8100),

Gene: Saronaya_14 Start: 8367, Stop: 8492, Start Num: 6
Candidate Starts for Saronaya_14:
(Start: 5 @8358 has 1 MA's), (Start: 6 @8367 has 19 MA's),

Gene: SchottB_13 Start: 8543, Stop: 8668, Start Num: 6
Candidate Starts for SchottB_13:
(Start: 5 @8534 has 1 MA's), (Start: 6 @8543 has 19 MA's),

Gene: Stichling_14 Start: 7640, Stop: 7765, Start Num: 6
Candidate Starts for Stichling_14:
(1, 7334), (2, 7460), (3, 7496), (4, 7550), (Start: 6 @7640 has 19 MA's),

Gene: StorminNorm_14 Start: 8256, Stop: 8381, Start Num: 6
Candidate Starts for StorminNorm_14:
(4, 8166), (Start: 6 @8256 has 19 MA's),

Gene: Tangerine_14 Start: 8265, Stop: 8390, Start Num: 6
Candidate Starts for Tangerine_14:
(4, 8175), (Start: 6 @8265 has 19 MA's),

Gene: Tycho_14 Start: 8379, Stop: 8504, Start Num: 6
Candidate Starts for Tycho_14:
(Start: 5 @8370 has 1 MA's), (Start: 6 @8379 has 19 MA's),

Gene: YorkOnyx_14 Start: 8214, Stop: 8339, Start Num: 6
Candidate Starts for YorkOnyx_14:
(1, 7908), (2, 8034), (3, 8070), (4, 8124), (Start: 6 @8214 has 19 MA's),