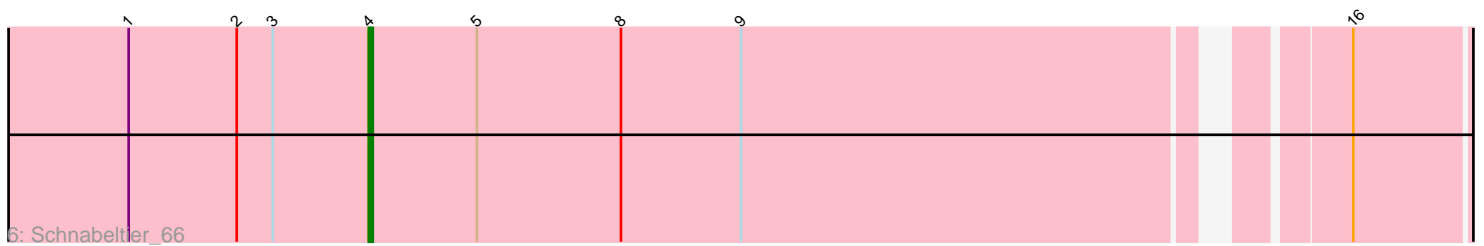
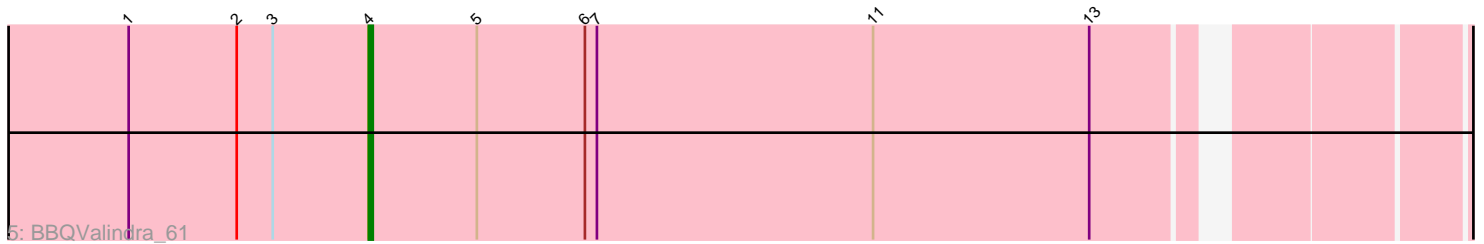
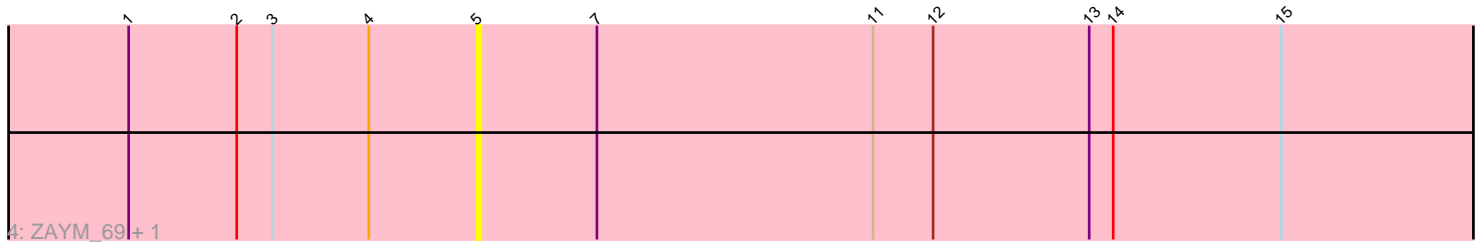
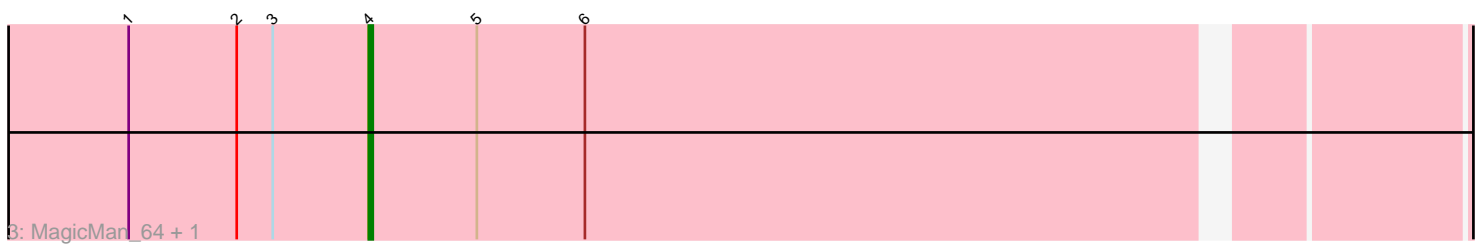
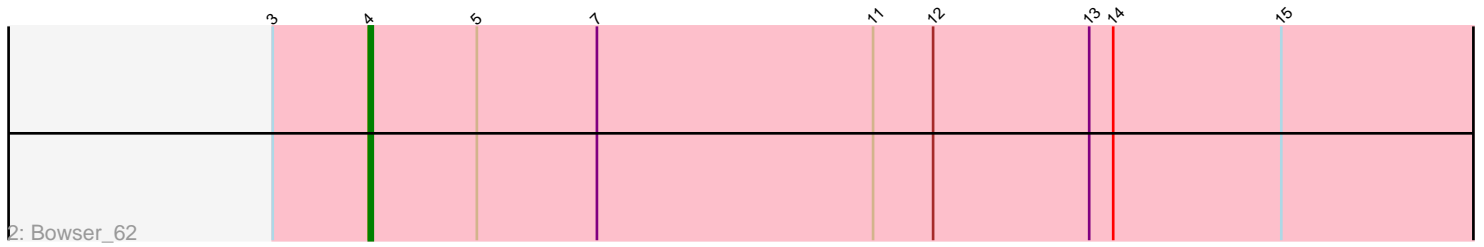
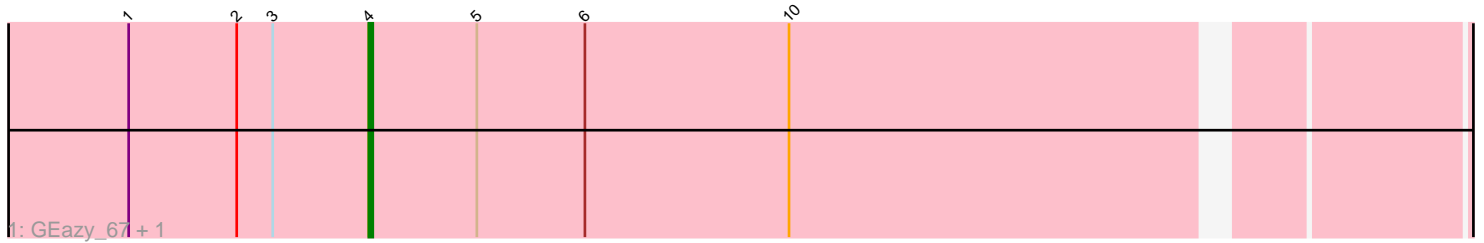


Pham 6321



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 6321 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6321 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : GEazy_67, HannahD_64
- Track 2 : Bowser_62
- Track 3 : MagicMan_64, Opie_67
- Track 4 : ZAYM_69, TaronosaurusRx_70
- Track 5 : BBQValindra_61
- Track 6 : Schnabeltier_66

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BBQValindra_61, Bowser_62, GEazy_67, HannahD_64, MagicMan_64, Opie_67, Schnabeltier_66,

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

- TaronosaurusRx_70, ZAYM_69,

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

•

Summary by start number:

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 77.8% of time when present
- Phage (with cluster) where this start called: BBQValindra_61 (DB), Bowser_62 (DB), GEazy_67 (DB), HannahD_64 (DB), MagicMan_64 (DB), Opie_67 (DB), Schnabeltier_66 (DB),

Start 5:

- Found in 9 of 9 (100.0%) of genes in pham

- No Manual Annotations of this start.
- Called 22.2% of time when present
- Phage (with cluster) where this start called: TaronosaurusRx_70 (DB), ZAYM_69 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:

- Start number 4 was manually annotated 7 times for cluster DB.

Gene Information:

Gene: BBQValindra_61 Start: 44072, Stop: 44353, Start Num: 4

Candidate Starts for BBQValindra_61:

(1, 44012), (2, 44039), (3, 44048), (Start: 4 @44072 has 7 MA's), (5, 44099), (6, 44126), (7, 44129), (11, 44198), (13, 44252),

Gene: Bowser_62 Start: 43439, Stop: 43810, Start Num: 4

Candidate Starts for Bowser_62:

(3, 43415), (Start: 4 @43439 has 7 MA's), (5, 43466), (7, 43496), (11, 43565), (12, 43580), (13, 43619), (14, 43625), (15, 43667),

Gene: GEazy_67 Start: 43642, Stop: 43953, Start Num: 4

Candidate Starts for GEazy_67:

(1, 43582), (2, 43609), (3, 43618), (Start: 4 @43642 has 7 MA's), (5, 43669), (6, 43696), (10, 43747),

Gene: HannahD_64 Start: 43009, Stop: 43320, Start Num: 4

Candidate Starts for HannahD_64:

(1, 42949), (2, 42976), (3, 42985), (Start: 4 @43009 has 7 MA's), (5, 43036), (6, 43063), (10, 43114),

Gene: MagicMan_64 Start: 44512, Stop: 44823, Start Num: 4

Candidate Starts for MagicMan_64:

(1, 44452), (2, 44479), (3, 44488), (Start: 4 @44512 has 7 MA's), (5, 44539), (6, 44566),

Gene: Opie_67 Start: 44633, Stop: 44944, Start Num: 4

Candidate Starts for Opie_67:

(1, 44573), (2, 44600), (3, 44609), (Start: 4 @44633 has 7 MA's), (5, 44660), (6, 44687),

Gene: Schnabeltier_66 Start: 43921, Stop: 44229, Start Num: 4

Candidate Starts for Schnabeltier_66:

(1, 43861), (2, 43888), (3, 43897), (Start: 4 @43921 has 7 MA's), (5, 43948), (8, 43984), (9, 44014), (16, 44152),

Gene: TaronosaurusRx_70 Start: 44071, Stop: 44415, Start Num: 5

Candidate Starts for TaronosaurusRx_70:

(1, 43984), (2, 44011), (3, 44020), (Start: 4 @44044 has 7 MA's), (5, 44071), (7, 44101), (11, 44170), (12, 44185), (13, 44224), (14, 44230), (15, 44272),

Gene: ZAYM_69 Start: 44009, Stop: 44353, Start Num: 5

Candidate Starts for ZAYM_69:

(1, 43922), (2, 43949), (3, 43958), (Start: 4 @43982 has 7 MA's), (5, 44009), (7, 44039), (11, 44108),
(12, 44123), (13, 44162), (14, 44168), (15, 44210),