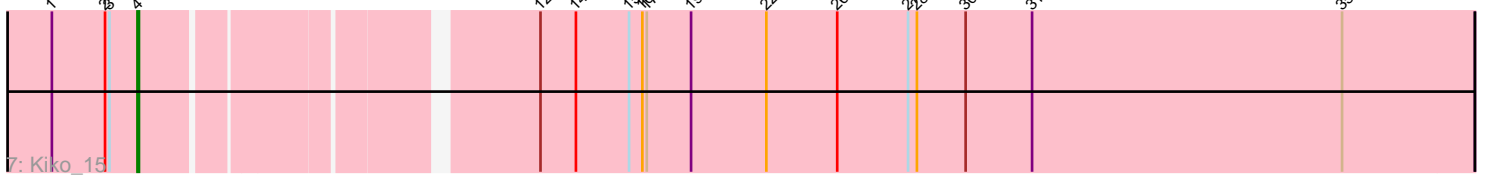
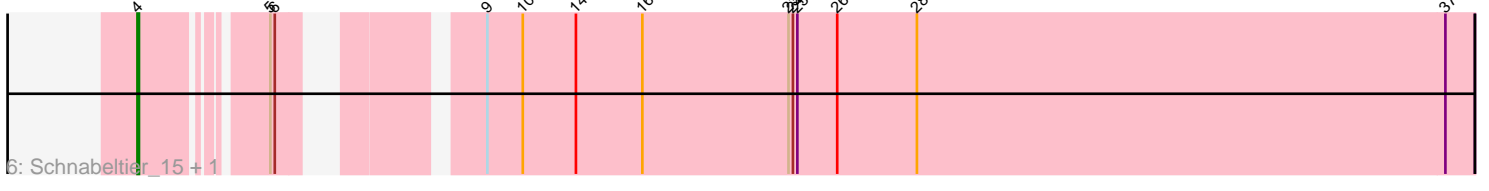
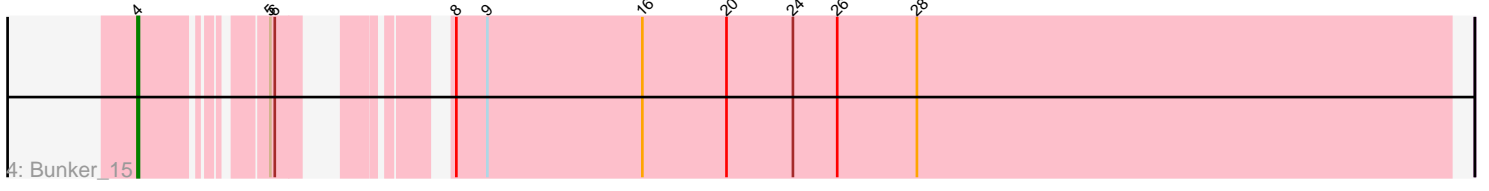
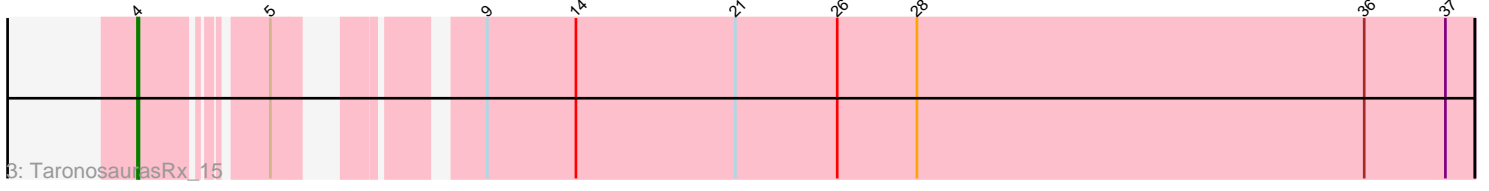
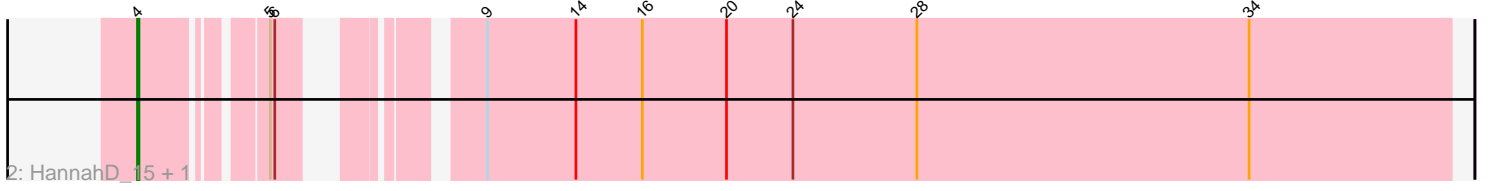
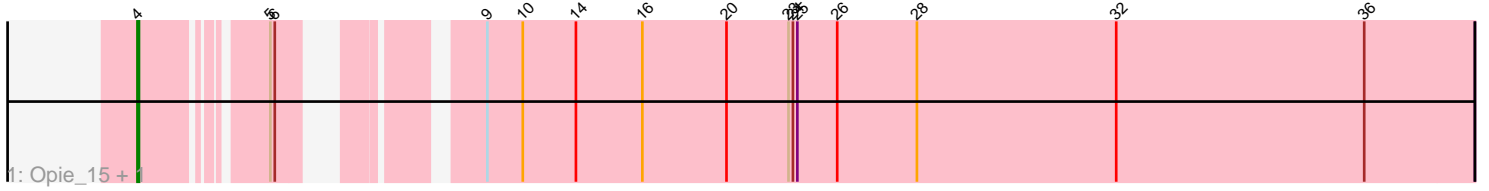


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 295286 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295286 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Opie\_15, Eyes\_15
- Track 2 : HannahD\_15, GEazy\_15
- Track 3 : TaronosaurusRx\_15
- Track 4 : Bunker\_15
- Track 5 : DirtyBoi\_16
- Track 6 : Schnabeltier\_15, MagicMan\_15
- Track 7 : Kiko\_15
- Track 8 : BBQValindra\_15

### ***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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BBQValindra\_15, Bunker\_15, DirtyBoi\_16, Eyes\_15, GEazy\_15, HannahD\_15, Kiko\_15, MagicMan\_15, Opie\_15, Schnabeltier\_15, TaronosaurusRx\_15,

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 4:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BBQValindra\_15 (DB), Bunker\_15 (DB), DirtyBoi\_16 (DB), Eyes\_15 (DB), GEazy\_15 (DB), HannahD\_15 (DB), Kiko\_15 (DB), MagicMan\_15 (DB), Opie\_15 (DB), Schnabeltier\_15 (DB), TaronosaurusRx\_15 (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 11 times for cluster DB.

### **Gene Information:**

Gene: BBQValindra\_15 Start: 9257, Stop: 10068, Start Num: 4

Candidate Starts for BBQValindra\_15:

(Start: 4 @9257 has 11 MA's), (5, 9323), (6, 9326), (9, 9416), (14, 9476), (24, 9623), (26, 9653), (28, 9707), (29, 9737), (30, 9740),

Gene: Bunker\_15 Start: 9257, Stop: 10068, Start Num: 4

Candidate Starts for Bunker\_15:

(Start: 4 @9257 has 11 MA's), (5, 9323), (6, 9326), (8, 9395), (9, 9416), (16, 9521), (20, 9578), (24, 9623), (26, 9653), (28, 9707),

Gene: DirtyBoi\_16 Start: 9613, Stop: 10517, Start Num: 4

Candidate Starts for DirtyBoi\_16:

(Start: 4 @9613 has 11 MA's), (7, 9817), (11, 9877), (13, 9898), (14, 9910), (15, 9946), (16, 9955), (18, 9982), (28, 10141), (33, 10333), (35, 10429),

Gene: Eyes\_15 Start: 9267, Stop: 10099, Start Num: 4

Candidate Starts for Eyes\_15:

(Start: 4 @9267 has 11 MA's), (5, 9336), (6, 9339), (9, 9432), (10, 9456), (14, 9492), (16, 9537), (20, 9594), (23, 9636), (24, 9639), (25, 9642), (26, 9669), (28, 9723), (32, 9858), (36, 10026),

Gene: GEazy\_15 Start: 9276, Stop: 10090, Start Num: 4

Candidate Starts for GEazy\_15:

(Start: 4 @9276 has 11 MA's), (5, 9345), (6, 9348), (9, 9438), (14, 9498), (16, 9543), (20, 9600), (24, 9645), (28, 9729), (34, 9954),

Gene: HannahD\_15 Start: 9276, Stop: 10090, Start Num: 4

Candidate Starts for HannahD\_15:

(Start: 4 @9276 has 11 MA's), (5, 9345), (6, 9348), (9, 9438), (14, 9498), (16, 9543), (20, 9600), (24, 9645), (28, 9729), (34, 9954),

Gene: Kiko\_15 Start: 9515, Stop: 10383, Start Num: 4

Candidate Starts for Kiko\_15:

(1, 9458), (2, 9494), (3, 9497), (Start: 4 @9515 has 11 MA's), (12, 9752), (14, 9776), (15, 9812), (16, 9821), (17, 9824), (19, 9854), (22, 9905), (26, 9953), (27, 10001), (28, 10007), (30, 10040), (31, 10085), (35, 10295),

Gene: MagicMan\_15 Start: 9597, Stop: 10435, Start Num: 4

Candidate Starts for MagicMan\_15:

(Start: 4 @9597 has 11 MA's), (5, 9666), (6, 9669), (9, 9768), (10, 9792), (14, 9828), (16, 9873), (23, 9972), (24, 9975), (25, 9978), (26, 10005), (28, 10059), (37, 10416),

Gene: Opie\_15 Start: 9611, Stop: 10443, Start Num: 4

Candidate Starts for Opie\_15:

(Start: 4 @9611 has 11 MA's), (5, 9680), (6, 9683), (9, 9776), (10, 9800), (14, 9836), (16, 9881), (20, 9938), (23, 9980), (24, 9983), (25, 9986), (26, 10013), (28, 10067), (32, 10202), (36, 10370),

Gene: Schnabeltier\_15 Start: 9598, Stop: 10436, Start Num: 4

Candidate Starts for Schnabeltier\_15:

(Start: 4 @9598 has 11 MA's), (5, 9667), (6, 9670), (9, 9769), (10, 9793), (14, 9829), (16, 9874), (23, 9973), (24, 9976), (25, 9979), (26, 10006), (28, 10060), (37, 10417),

Gene: TaronosaurusRx\_15 Start: 9610, Stop: 10442, Start Num: 4

Candidate Starts for TaronosaurusRx\_15:

(Start: 4 @9610 has 11 MA's), (5, 9679), (9, 9775), (14, 9835), (21, 9943), (26, 10012), (28, 10066), (36, 10369), (37, 10423),