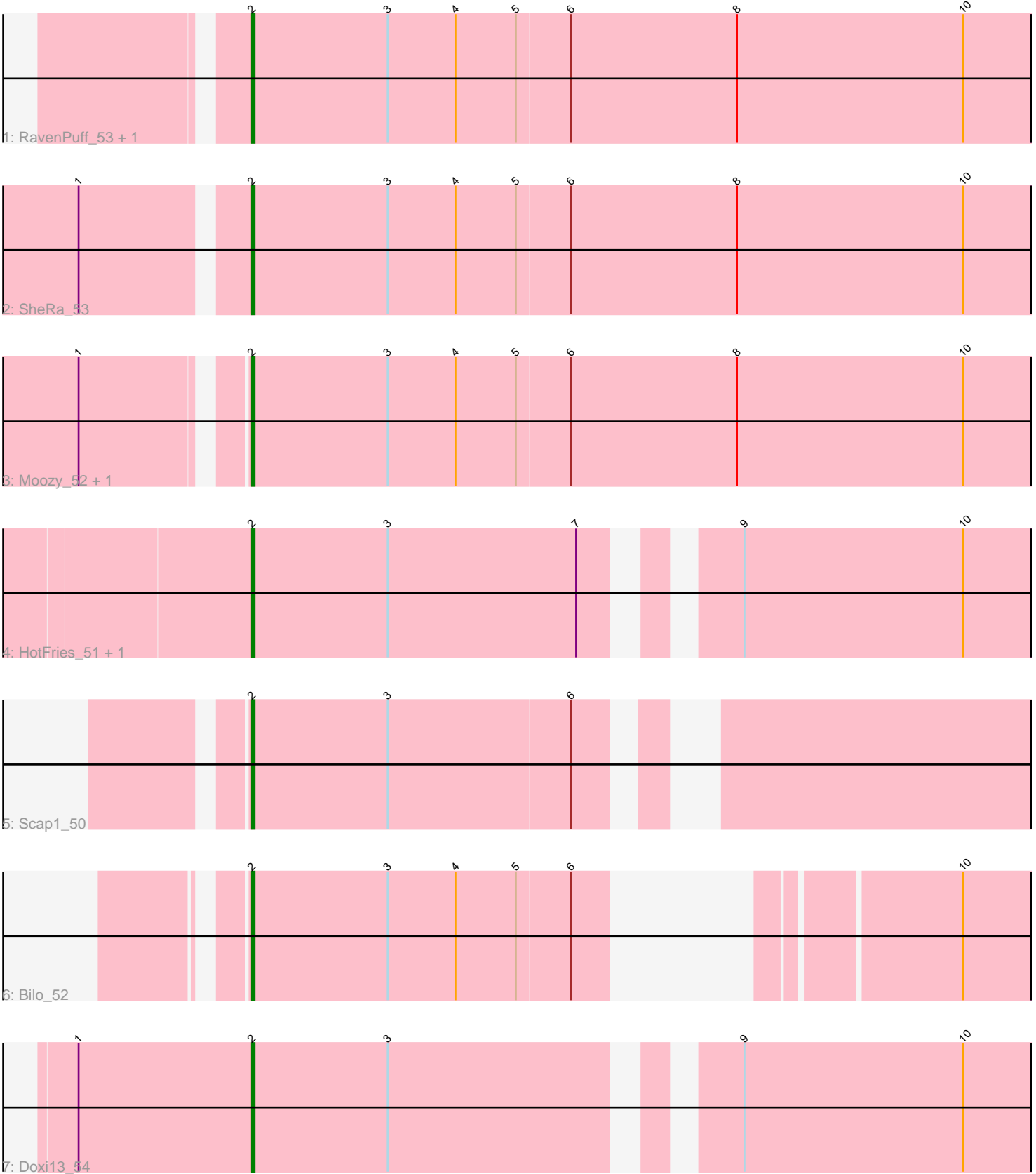


Pham 6344



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 6344 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6344 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : RavenPuff\_53, PherryCruz\_52
- Track 2 : SheRa\_53
- Track 3 : Moozy\_52, Annihilus\_53
- Track 4 : HotFries\_51, GoblinVoyage\_53
- Track 5 : Scap1\_50
- Track 6 : Bilo\_52
- Track 7 : Doxi13\_54

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annihilus\_53, Bilo\_52, Doxi13\_54, GoblinVoyage\_53, HotFries\_51, Moozy\_52, PherryCruz\_52, RavenPuff\_53, Scap1\_50, SheRa\_53,

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 2:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annihilus\_53 (BI2), Bilo\_52 (BI2), Doxi13\_54 (BI2), GoblinVoyage\_53 (BI2), HotFries\_51 (BI2), Moozy\_52 (BI2), PherryCruz\_52 (BI2), RavenPuff\_53 (BI2), Scap1\_50 (BI2), SheRa\_53 (BI2),

### **Summary by clusters:**

There is one cluster represented in this pham: BI2

Info for manual annotations of cluster BI2:

- Start number 2 was manually annotated 10 times for cluster BI2.

**Gene Information:**

Gene: Annihilus\_53 Start: 37072, Stop: 37380, Start Num: 2

Candidate Starts for Annihilus\_53:

(1, 37015), (Start: 2 @37072 has 10 MA's), (3, 37126), (4, 37153), (5, 37177), (6, 37198), (8, 37264), (10, 37354),

Gene: Bilo\_52 Start: 37398, Stop: 37640, Start Num: 2

Candidate Starts for Bilo\_52:

(Start: 2 @37398 has 10 MA's), (3, 37452), (4, 37479), (5, 37503), (6, 37524), (10, 37614),

Gene: Doxi13\_54 Start: 37220, Stop: 37504, Start Num: 2

Candidate Starts for Doxi13\_54:

(1, 37151), (Start: 2 @37220 has 10 MA's), (3, 37274), (9, 37391), (10, 37478),

Gene: GoblinVoyage\_53 Start: 37063, Stop: 37347, Start Num: 2

Candidate Starts for GoblinVoyage\_53:

(Start: 2 @37063 has 10 MA's), (3, 37117), (7, 37192), (9, 37234), (10, 37321),

Gene: HotFries\_51 Start: 37253, Stop: 37537, Start Num: 2

Candidate Starts for HotFries\_51:

(Start: 2 @37253 has 10 MA's), (3, 37307), (7, 37382), (9, 37424), (10, 37511),

Gene: Moozy\_52 Start: 37056, Stop: 37364, Start Num: 2

Candidate Starts for Moozy\_52:

(1, 36999), (Start: 2 @37056 has 10 MA's), (3, 37110), (4, 37137), (5, 37161), (6, 37182), (8, 37248), (10, 37338),

Gene: PherryCruz\_52 Start: 37239, Stop: 37547, Start Num: 2

Candidate Starts for PherryCruz\_52:

(Start: 2 @37239 has 10 MA's), (3, 37293), (4, 37320), (5, 37344), (6, 37365), (8, 37431), (10, 37521),

Gene: RavenPuff\_53 Start: 37208, Stop: 37516, Start Num: 2

Candidate Starts for RavenPuff\_53:

(Start: 2 @37208 has 10 MA's), (3, 37262), (4, 37289), (5, 37313), (6, 37334), (8, 37400), (10, 37490),

Gene: Scap1\_50 Start: 36601, Stop: 36876, Start Num: 2

Candidate Starts for Scap1\_50:

(Start: 2 @36601 has 10 MA's), (3, 36655), (6, 36727),

Gene: SheRa\_53 Start: 37125, Stop: 37433, Start Num: 2

Candidate Starts for SheRa\_53:

(1, 37065), (Start: 2 @37125 has 10 MA's), (3, 37179), (4, 37206), (5, 37230), (6, 37251), (8, 37317), (10, 37407),