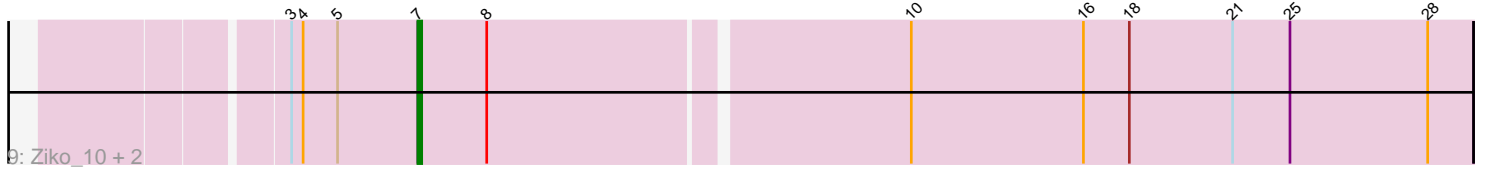
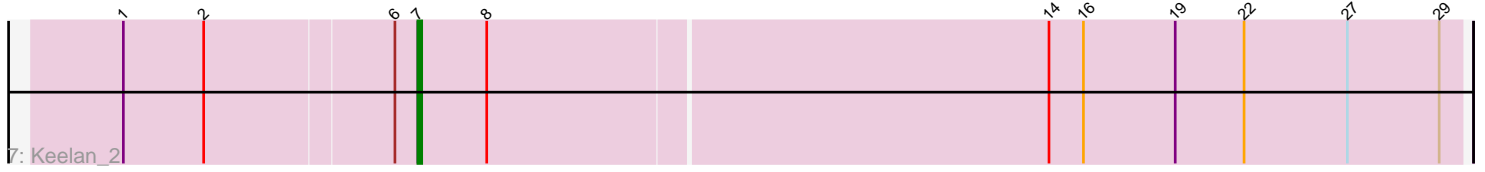
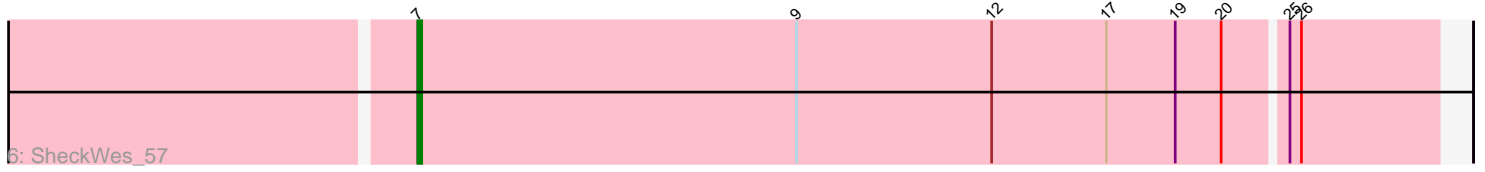
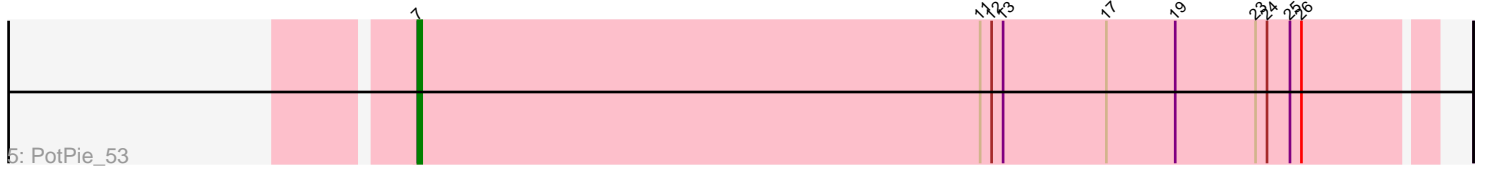
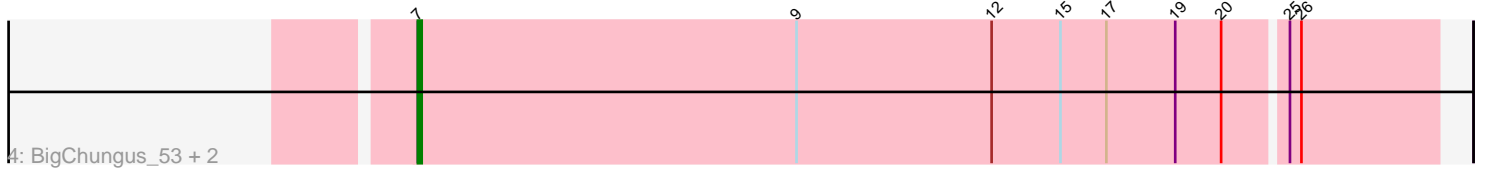
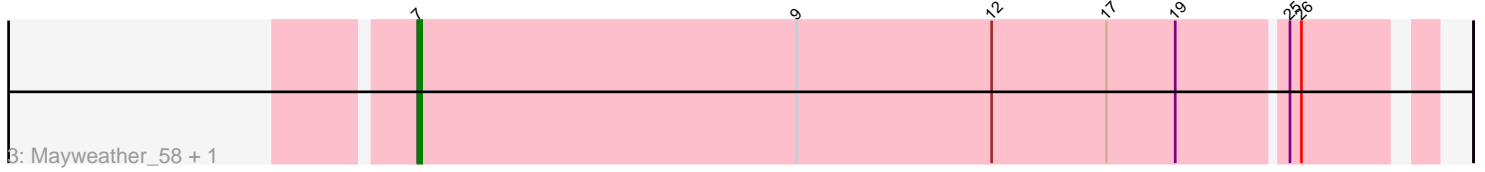
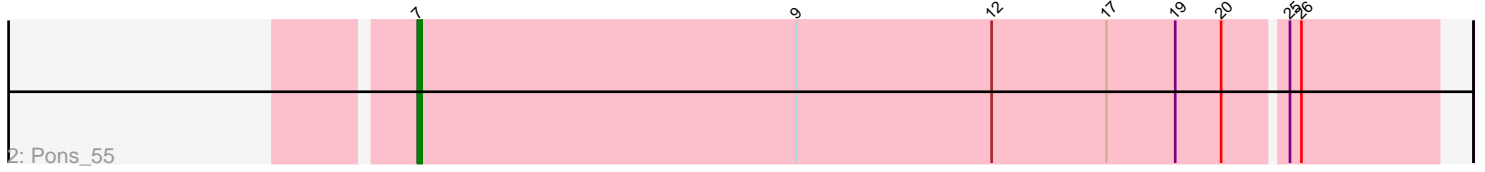
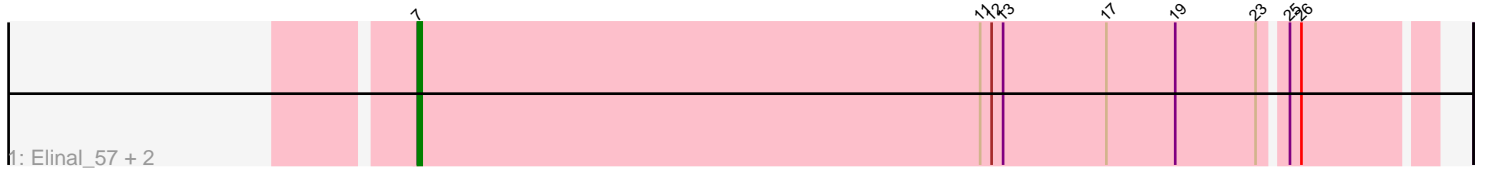


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 192977 Report

This analysis was run 11/02/24 on database version 579.

Pham number 192977 has 16 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Elinal\_57, SummitAcademy\_53, KayGee\_55
- Track 2 : Pons\_55
- Track 3 : Mayweather\_58, MAnor\_55
- Track 4 : BigChungus\_53, Feastonyeet\_53, Vine\_56
- Track 5 : PotPie\_53
- Track 6 : SheckWes\_57
- Track 7 : Keelan\_2
- Track 8 : Guey18\_7
- Track 9 : Ziko\_10, Ronaldo\_9, Volt\_9

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

The start number called the most often in the published annotations is 7, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigChungus\_53, Elinal\_57, Feastonyeet\_53, Guey18\_7, KayGee\_55, Keelan\_2, MAnor\_55, Mayweather\_58, Pons\_55, PotPie\_53, Ronaldo\_9, SheckWes\_57, SummitAcademy\_53, Vine\_56, Volt\_9, Ziko\_10,

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 7:

- Found in 16 of 16 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 16 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigChungus\_53 (CT), Elinal\_57 (CT), Feastonyeet\_53 (CT), Guey18\_7 (DP), KayGee\_55 (CT), Keelan\_2 (DP), MAnor\_55

(CT), Mayweather\_58 (CT), Pons\_55 (CT), PotPie\_53 (CT), Ronaldo\_9 (DP), SheckWes\_57 (CT), SummitAcademy\_53 (CT), Vine\_56 (CT), Volt\_9 (DP), Ziko\_10 (DP),

### **Summary by clusters:**

There are 2 clusters represented in this pham: DP, CT,

Info for manual annotations of cluster CT:

•Start number 7 was manually annotated 11 times for cluster CT.

Info for manual annotations of cluster DP:

•Start number 7 was manually annotated 5 times for cluster DP.

### **Gene Information:**

Gene: BigChungus\_53 Start: 37823, Stop: 37560, Start Num: 7

Candidate Starts for BigChungus\_53:

(Start: 7 @37823 has 16 MA's), (9, 37724), (12, 37673), (15, 37655), (17, 37643), (19, 37625), (20, 37613), (25, 37598), (26, 37595),

Gene: Elinal\_57 Start: 38332, Stop: 38072, Start Num: 7

Candidate Starts for Elinal\_57:

(Start: 7 @38332 has 16 MA's), (11, 38185), (12, 38182), (13, 38179), (17, 38152), (19, 38134), (23, 38113), (25, 38107), (26, 38104),

Gene: Feastonyeet\_53 Start: 37823, Stop: 37560, Start Num: 7

Candidate Starts for Feastonyeet\_53:

(Start: 7 @37823 has 16 MA's), (9, 37724), (12, 37673), (15, 37655), (17, 37643), (19, 37625), (20, 37613), (25, 37598), (26, 37595),

Gene: Guey18\_7 Start: 1684, Stop: 1415, Start Num: 7

Candidate Starts for Guey18\_7:

(3, 1714), (4, 1711), (5, 1702), (Start: 7 @1684 has 16 MA's), (8, 1666), (10, 1561), (16, 1516), (18, 1504), (21, 1477), (25, 1462), (28, 1426),

Gene: KayGee\_55 Start: 38332, Stop: 38072, Start Num: 7

Candidate Starts for KayGee\_55:

(Start: 7 @38332 has 16 MA's), (11, 38185), (12, 38182), (13, 38179), (17, 38152), (19, 38134), (23, 38113), (25, 38107), (26, 38104),

Gene: Keelan\_2 Start: 536, Stop: 267, Start Num: 7

Candidate Starts for Keelan\_2:

(1, 611), (2, 590), (6, 542), (Start: 7 @536 has 16 MA's), (8, 518), (14, 374), (16, 365), (19, 341), (22, 323), (27, 296), (29, 272),

Gene: MAnor\_55 Start: 38687, Stop: 38430, Start Num: 7

Candidate Starts for MAnor\_55:

(Start: 7 @38687 has 16 MA's), (9, 38588), (12, 38537), (17, 38507), (19, 38489), (25, 38462), (26, 38459),

Gene: Mayweather\_58 Start: 39432, Stop: 39175, Start Num: 7

Candidate Starts for Mayweather\_58:

(Start: 7 @39432 has 16 MA's), (9, 39333), (12, 39282), (17, 39252), (19, 39234), (25, 39207), (26, 39204),

Gene: Pons\_55 Start: 38319, Stop: 38056, Start Num: 7

Candidate Starts for Pons\_55:

(Start: 7 @38319 has 16 MA's), (9, 38220), (12, 38169), (17, 38139), (19, 38121), (20, 38109), (25, 38094), (26, 38091),

Gene: PotPie\_53 Start: 38858, Stop: 38595, Start Num: 7

Candidate Starts for PotPie\_53:

(Start: 7 @38858 has 16 MA's), (11, 38711), (12, 38708), (13, 38705), (17, 38678), (19, 38660), (23, 38639), (24, 38636), (25, 38630), (26, 38627),

Gene: Ronaldo\_9 Start: 2110, Stop: 1841, Start Num: 7

Candidate Starts for Ronaldo\_9:

(3, 2143), (4, 2140), (5, 2131), (Start: 7 @2110 has 16 MA's), (8, 2092), (10, 1987), (16, 1942), (18, 1930), (21, 1903), (25, 1888), (28, 1852),

Gene: SheckWes\_57 Start: 37906, Stop: 37643, Start Num: 7

Candidate Starts for SheckWes\_57:

(Start: 7 @37906 has 16 MA's), (9, 37807), (12, 37756), (17, 37726), (19, 37708), (20, 37696), (25, 37681), (26, 37678),

Gene: SummitAcademy\_53 Start: 38001, Stop: 37741, Start Num: 7

Candidate Starts for SummitAcademy\_53:

(Start: 7 @38001 has 16 MA's), (11, 37854), (12, 37851), (13, 37848), (17, 37821), (19, 37803), (23, 37782), (25, 37776), (26, 37773),

Gene: Vine\_56 Start: 38624, Stop: 38361, Start Num: 7

Candidate Starts for Vine\_56:

(Start: 7 @38624 has 16 MA's), (9, 38525), (12, 38474), (15, 38456), (17, 38444), (19, 38426), (20, 38414), (25, 38399), (26, 38396),

Gene: Volt\_9 Start: 2110, Stop: 1841, Start Num: 7

Candidate Starts for Volt\_9:

(3, 2143), (4, 2140), (5, 2131), (Start: 7 @2110 has 16 MA's), (8, 2092), (10, 1987), (16, 1942), (18, 1930), (21, 1903), (25, 1888), (28, 1852),

Gene: Ziko\_10 Start: 2124, Stop: 1855, Start Num: 7

Candidate Starts for Ziko\_10:

(3, 2157), (4, 2154), (5, 2145), (Start: 7 @2124 has 16 MA's), (8, 2106), (10, 2001), (16, 1956), (18, 1944), (21, 1917), (25, 1902), (28, 1866),