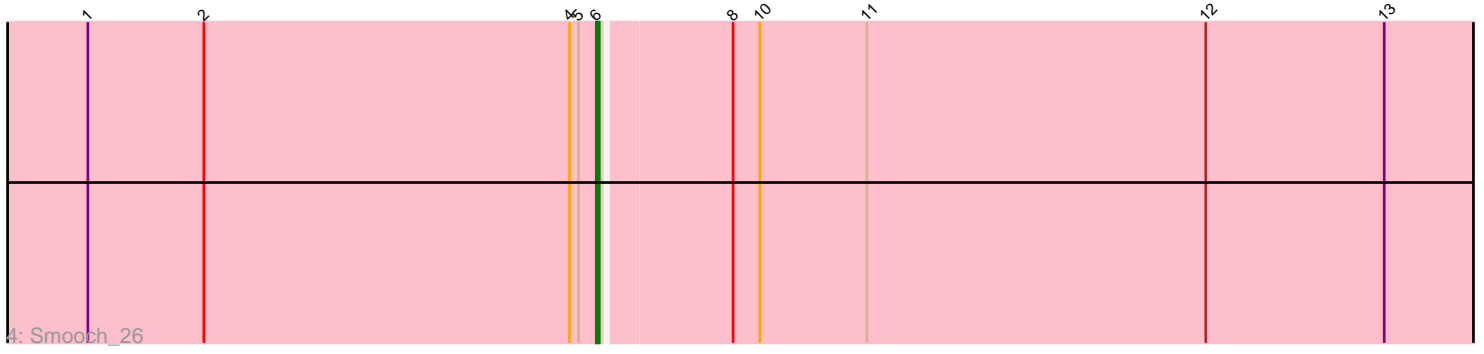
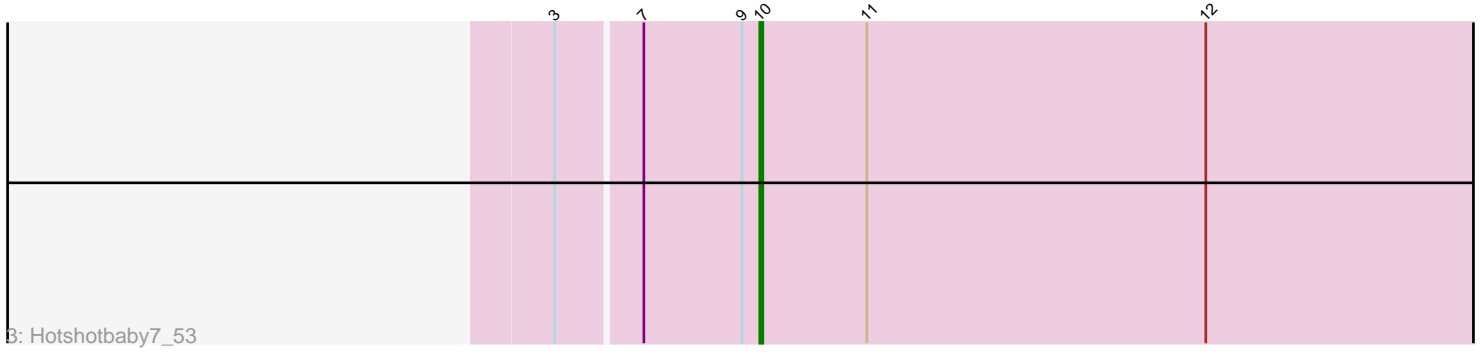
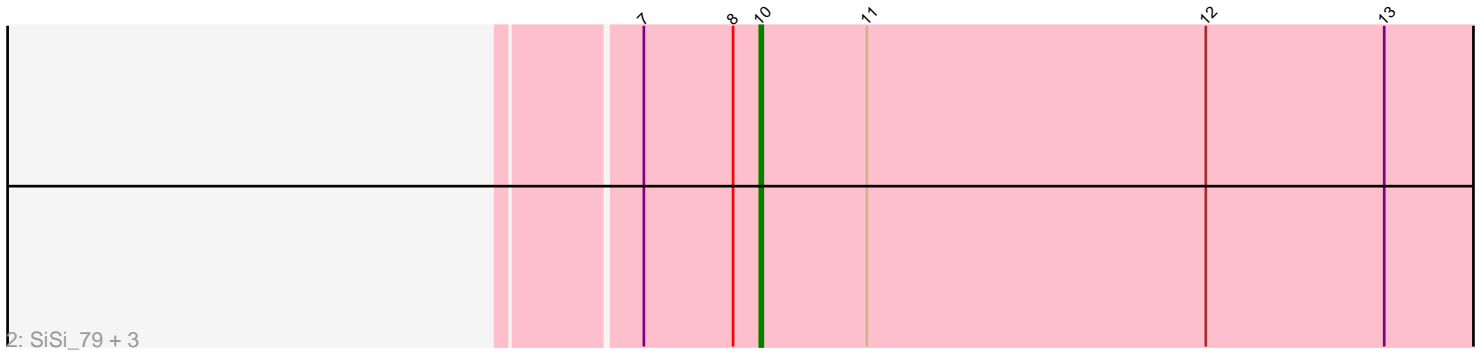
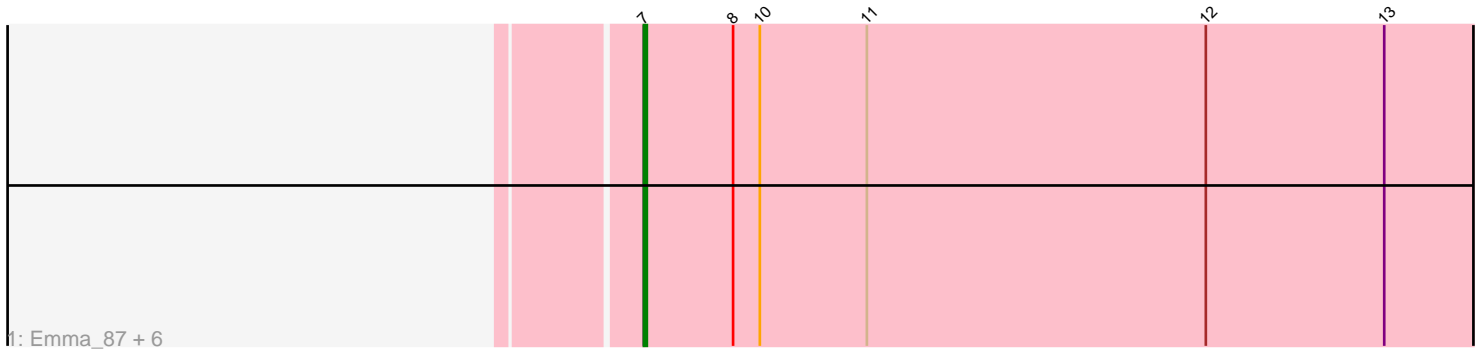


Pham 194483



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 194483 Report

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

Pham number 194483 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Emma\_87, MisterCuddles\_81, Corndog\_25, Ruby\_78, Girr\_80, Doug\_80, Veteran\_75
- Track 2 : SiSi\_79, DillTech15\_87, YungJamal\_25, Mantra\_80
- Track 3 : Hotshotbaby7\_53
- Track 4 : Smooch\_26

### ***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 7 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Corndog\_25, Doug\_80, Emma\_87, Girr\_80, MisterCuddles\_81, Ruby\_78, Veteran\_75,

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

- DillTech15\_87, Hotshotbaby7\_53, Mantra\_80, SiSi\_79, YungJamal\_25,

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

- Smooch\_26,

### **Summary by start number:**

Start 6:

- Found in 1 of 13 ( 7.7% ) of genes in pham
- Manual Annotations of this start: 1 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Smooch\_26 (O),

Start 7:

- Found in 12 of 13 ( 92.3% ) of genes in pham
- Manual Annotations of this start: 7 of 13
- Called 58.3% of time when present

- Phage (with cluster) where this start called: Corndog\_25 (O), Doug\_80 (F1), Emma\_87 (F1), Girr\_80 (F1), MisterCuddles\_81 (F1), Ruby\_78 (F1), Veteran\_75 (F1),

Start 10:

- Found in 13 of 13 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 5 of 13
- Called 38.5% of time when present
- Phage (with cluster) where this start called: DillTech15\_87 (F1), Hotshotbaby7\_53 (G1), Mantra\_80 (F1), SiSi\_79 (F1), YungJamal\_25 (O),

### **Summary by clusters:**

There are 3 clusters represented in this pham: F1, G1, O,

Info for manual annotations of cluster F1:

- Start number 7 was manually annotated 6 times for cluster F1.
- Start number 10 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster G1:

- Start number 10 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster O:

- Start number 6 was manually annotated 1 time for cluster O.
- Start number 7 was manually annotated 1 time for cluster O.
- Start number 10 was manually annotated 1 time for cluster O.

### **Gene Information:**

Gene: Corndog\_25 Start: 11029, Stop: 11334, Start Num: 7

Candidate Starts for Corndog\_25:

(Start: 7 @11029 has 7 MA's), (8, 11059), (Start: 10 @11068 has 5 MA's), (11, 11104), (12, 11218), (13, 11278),

Gene: DillTech15\_87 Start: 48877, Stop: 49143, Start Num: 10

Candidate Starts for DillTech15\_87:

(Start: 7 @48838 has 7 MA's), (8, 48868), (Start: 10 @48877 has 5 MA's), (11, 48913), (12, 49027), (13, 49087),

Gene: Doug\_80 Start: 49682, Stop: 49987, Start Num: 7

Candidate Starts for Doug\_80:

(Start: 7 @49682 has 7 MA's), (8, 49712), (Start: 10 @49721 has 5 MA's), (11, 49757), (12, 49871), (13, 49931),

Gene: Emma\_87 Start: 48858, Stop: 49163, Start Num: 7

Candidate Starts for Emma\_87:

(Start: 7 @48858 has 7 MA's), (8, 48888), (Start: 10 @48897 has 5 MA's), (11, 48933), (12, 49047), (13, 49107),

Gene: Girr\_80 Start: 49497, Stop: 49802, Start Num: 7

Candidate Starts for Girr\_80:

(Start: 7 @49497 has 7 MA's), (8, 49527), (Start: 10 @49536 has 5 MA's), (11, 49572), (12, 49686), (13, 49746),

Gene: Hotshotbaby7\_53 Start: 37726, Stop: 38049, Start Num: 10

Candidate Starts for Hotshotbaby7\_53:

(3, 37660), (Start: 7 @37687 has 7 MA's), (9, 37720), (Start: 10 @37726 has 5 MA's), (11, 37762), (12, 37876),

Gene: Mantra\_80 Start: 49108, Stop: 49374, Start Num: 10

Candidate Starts for Mantra\_80:

(Start: 7 @49069 has 7 MA's), (8, 49099), (Start: 10 @49108 has 5 MA's), (11, 49144), (12, 49258), (13, 49318),

Gene: MisterCuddles\_81 Start: 49497, Stop: 49802, Start Num: 7

Candidate Starts for MisterCuddles\_81:

(Start: 7 @49497 has 7 MA's), (8, 49527), (Start: 10 @49536 has 5 MA's), (11, 49572), (12, 49686), (13, 49746),

Gene: Ruby\_78 Start: 49498, Stop: 49803, Start Num: 7

Candidate Starts for Ruby\_78:

(Start: 7 @49498 has 7 MA's), (8, 49528), (Start: 10 @49537 has 5 MA's), (11, 49573), (12, 49687), (13, 49747),

Gene: SiSi\_79 Start: 48633, Stop: 48899, Start Num: 10

Candidate Starts for SiSi\_79:

(Start: 7 @48594 has 7 MA's), (8, 48624), (Start: 10 @48633 has 5 MA's), (11, 48669), (12, 48783), (13, 48843),

Gene: Smooch\_26 Start: 12102, Stop: 12401, Start Num: 6

Candidate Starts for Smooch\_26:

(1, 11931), (2, 11970), (4, 12093), (5, 12096), (Start: 6 @12102 has 1 MA's), (8, 12144), (Start: 10 @12153 has 5 MA's), (11, 12189), (12, 12303), (13, 12363),

Gene: Veteran\_75 Start: 48462, Stop: 48767, Start Num: 7

Candidate Starts for Veteran\_75:

(Start: 7 @48462 has 7 MA's), (8, 48492), (Start: 10 @48501 has 5 MA's), (11, 48537), (12, 48651), (13, 48711),

Gene: YungJamal\_25 Start: 10948, Stop: 11214, Start Num: 10

Candidate Starts for YungJamal\_25:

(Start: 7 @10909 has 7 MA's), (8, 10939), (Start: 10 @10948 has 5 MA's), (11, 10984), (12, 11098), (13, 11158),