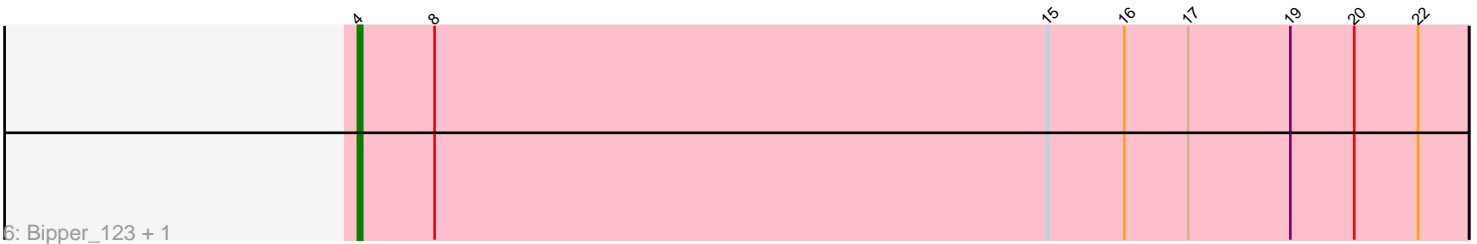
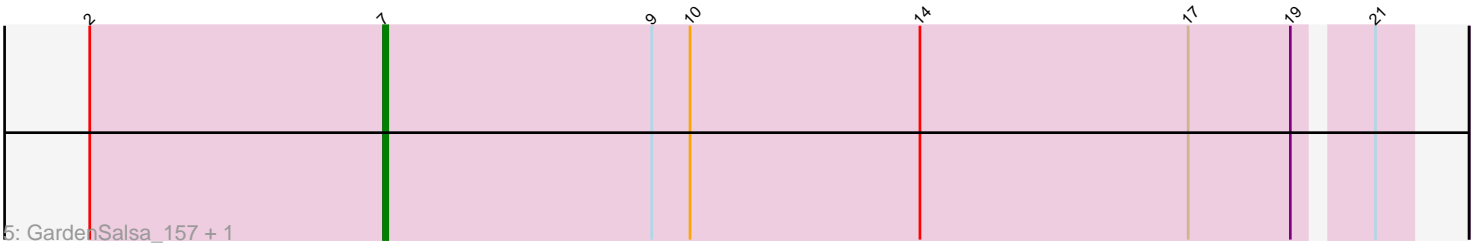
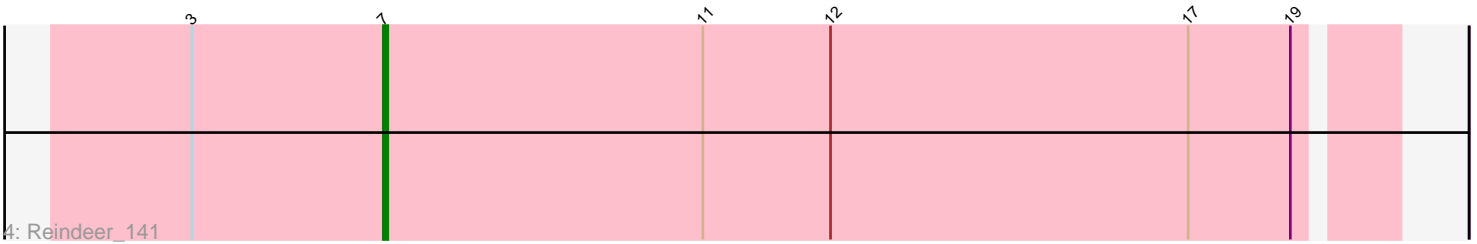
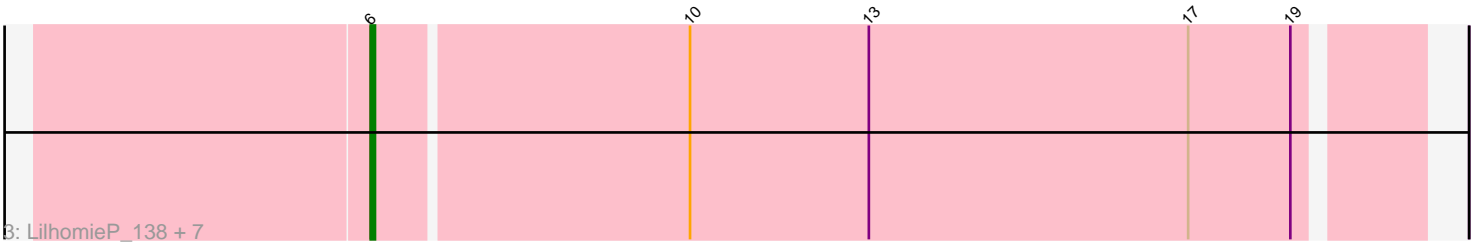
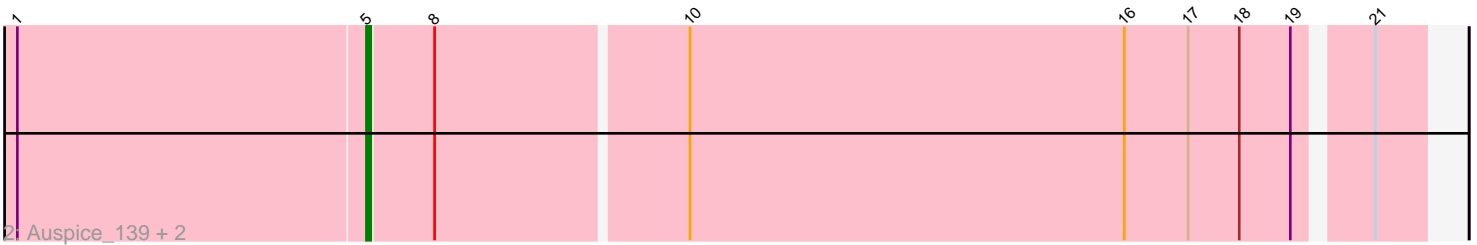
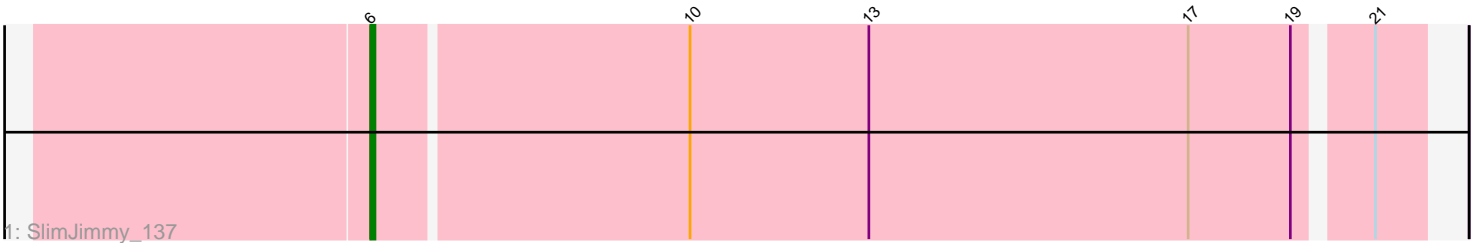


Pham 5077



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 5077 Report

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

Pham number 5077 has 17 members, 0 are drafts.

Phages represented in each track:

- Track 1 : SlimJimmy_137
- Track 2 : Auspice_139, TyDawg_133, IPhane7_136
- Track 3 : LilhomieP_138, Glaske16_140, Diminimus_138, Bricole_140, Bongo_137, PegLeg_141, Dulcita_138, Skinny_144
- Track 4 : Reindeer_141
- Track 5 : GardenSalsa_157, MrMagoo_159
- Track 6 : Bipper_123, Cracklewink_123

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

The start number called the most often in the published annotations is 6, it was called in 9 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bongo_137, Bricole_140, Diminimus_138, Dulcita_138, Glaske16_140, LilhomieP_138, PegLeg_141, Skinny_144, SlimJimmy_137,

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

-

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

- Auspice_139, Bipper_123, Cracklewink_123, GardenSalsa_157, IPhane7_136, MrMagoo_159, Reindeer_141, TyDawg_133,

Summary by start number:

Start 4:

- Found in 2 of 17 (11.8%) of genes in pham
- Manual Annotations of this start: 2 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bipper_123 (Y), Cracklewink_123 (Y),

Start 5:

- Found in 3 of 17 (17.6%) of genes in pham

- Manual Annotations of this start: 3 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_139 (M1), IPhone7_136 (M1), TyDawg_133 (M1),

Start 6:

- Found in 9 of 17 (52.9%) of genes in pham
- Manual Annotations of this start: 9 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bongo_137 (M1), Bricole_140 (M1), Diminimus_138 (M1), Dulcita_138 (M1), Glaske16_140 (M1), LilhomieP_138 (M1), PegLeg_141 (M1), Skinny_144 (M1), SlimJimmy_137 (M1),

Start 7:

- Found in 3 of 17 (17.6%) of genes in pham
- Manual Annotations of this start: 3 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GardenSalsa_157 (M2), MrMagoo_159 (M2), Reindeer_141 (M1),

Summary by clusters:

There are 3 clusters represented in this pham: Y, M1, M2,

Info for manual annotations of cluster M1:

- Start number 5 was manually annotated 3 times for cluster M1.
- Start number 6 was manually annotated 9 times for cluster M1.
- Start number 7 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:

- Start number 7 was manually annotated 2 times for cluster M2.

Info for manual annotations of cluster Y:

- Start number 4 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: Auspice_139 Start: 72116, Stop: 71877, Start Num: 5

Candidate Starts for Auspice_139:

(1, 72197), (Start: 5 @72116 has 3 MA's), (8, 72101), (10, 72044), (16, 71942), (17, 71927), (18, 71915), (19, 71903), (21, 71888),

Gene: Bipper_123 Start: 72314, Stop: 72574, Start Num: 4

Candidate Starts for Bipper_123:

(Start: 4 @72314 has 2 MA's), (8, 72332), (15, 72476), (16, 72494), (17, 72509), (19, 72533), (20, 72548), (22, 72563),

Gene: Bongo_137 Start: 71735, Stop: 71496, Start Num: 6

Candidate Starts for Bongo_137:

(Start: 6 @71735 has 9 MA's), (10, 71663), (13, 71621), (17, 71546), (19, 71522),

Gene: Bricole_140 Start: 71880, Stop: 71641, Start Num: 6

Candidate Starts for Bricole_140:

(Start: 6 @71880 has 9 MA's), (10, 71808), (13, 71766), (17, 71691), (19, 71667),

Gene: Cracklewink_123 Start: 71466, Stop: 71726, Start Num: 4

Candidate Starts for Cracklewink_123:

(Start: 4 @71466 has 2 MA's), (8, 71484), (15, 71628), (16, 71646), (17, 71661), (19, 71685), (20, 71700), (22, 71715),

Gene: Diminimus_138 Start: 71551, Stop: 71312, Start Num: 6

Candidate Starts for Diminimus_138:

(Start: 6 @71551 has 9 MA's), (10, 71479), (13, 71437), (17, 71362), (19, 71338),

Gene: Dulcita_138 Start: 71552, Stop: 71313, Start Num: 6

Candidate Starts for Dulcita_138:

(Start: 6 @71552 has 9 MA's), (10, 71480), (13, 71438), (17, 71363), (19, 71339),

Gene: GardenSalsa_157 Start: 75298, Stop: 75062, Start Num: 7

Candidate Starts for GardenSalsa_157:

(2, 75367), (Start: 7 @75298 has 3 MA's), (9, 75235), (10, 75226), (14, 75172), (17, 75109), (19, 75085), (21, 75070),

Gene: Glaske16_140 Start: 72670, Stop: 72431, Start Num: 6

Candidate Starts for Glaske16_140:

(Start: 6 @72670 has 9 MA's), (10, 72598), (13, 72556), (17, 72481), (19, 72457),

Gene: IPhane7_136 Start: 71732, Stop: 71493, Start Num: 5

Candidate Starts for IPhane7_136:

(1, 71813), (Start: 5 @71732 has 3 MA's), (8, 71717), (10, 71660), (16, 71558), (17, 71543), (18, 71531), (19, 71519), (21, 71504),

Gene: LilhomieP_138 Start: 72581, Stop: 72342, Start Num: 6

Candidate Starts for LilhomieP_138:

(Start: 6 @72581 has 9 MA's), (10, 72509), (13, 72467), (17, 72392), (19, 72368),

Gene: MrMagoo_159 Start: 75299, Stop: 75063, Start Num: 7

Candidate Starts for MrMagoo_159:

(2, 75368), (Start: 7 @75299 has 3 MA's), (9, 75236), (10, 75227), (14, 75173), (17, 75110), (19, 75086), (21, 75071),

Gene: PegLeg_141 Start: 72465, Stop: 72226, Start Num: 6

Candidate Starts for PegLeg_141:

(Start: 6 @72465 has 9 MA's), (10, 72393), (13, 72351), (17, 72276), (19, 72252),

Gene: Reindeer_141 Start: 73954, Stop: 73721, Start Num: 7

Candidate Starts for Reindeer_141:

(3, 73999), (Start: 7 @73954 has 3 MA's), (11, 73879), (12, 73849), (17, 73765), (19, 73741),

Gene: Skinny_144 Start: 73582, Stop: 73343, Start Num: 6

Candidate Starts for Skinny_144:

(Start: 6 @73582 has 9 MA's), (10, 73510), (13, 73468), (17, 73393), (19, 73369),

Gene: SlimJimmy_137 Start: 72291, Stop: 72052, Start Num: 6

Candidate Starts for SlimJimmy_137:

(Start: 6 @72291 has 9 MA's), (10, 72219), (13, 72177), (17, 72102), (19, 72078), (21, 72063),

Gene: TyDawg_133 Start: 71735, Stop: 71496, Start Num: 5

Candidate Starts for TyDawg_133:

(1, 71816), (Start: 5 @71735 has 3 MA's), (8, 71720), (10, 71663), (16, 71561), (17, 71546), (18, 71534), (19, 71522), (21, 71507),