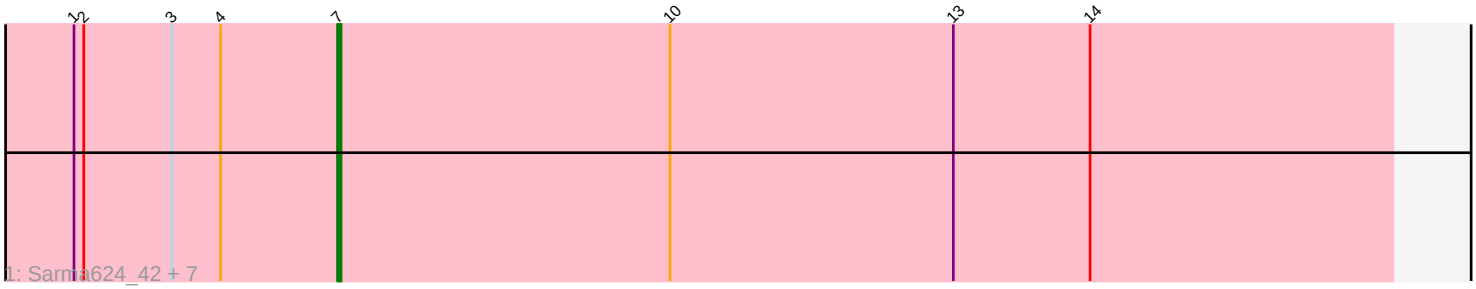
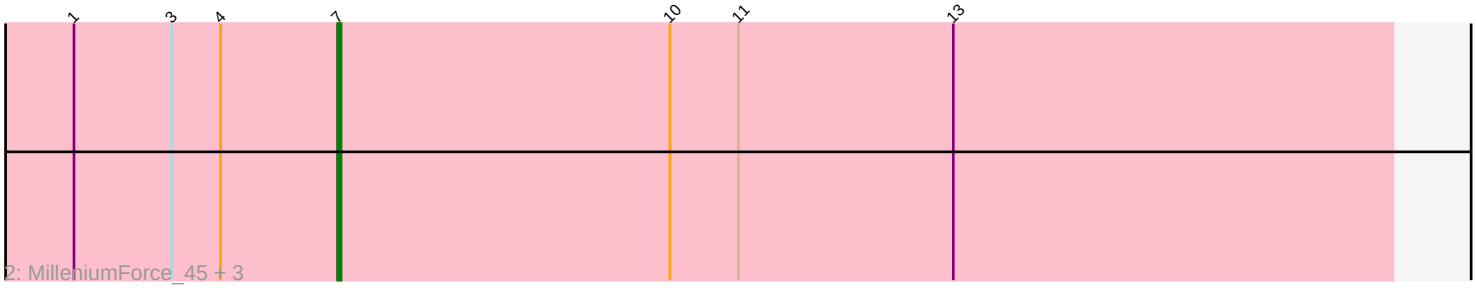
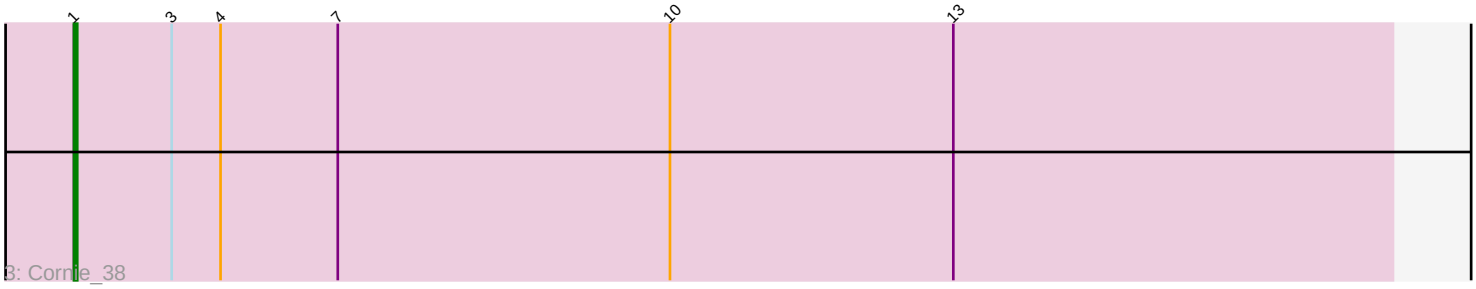
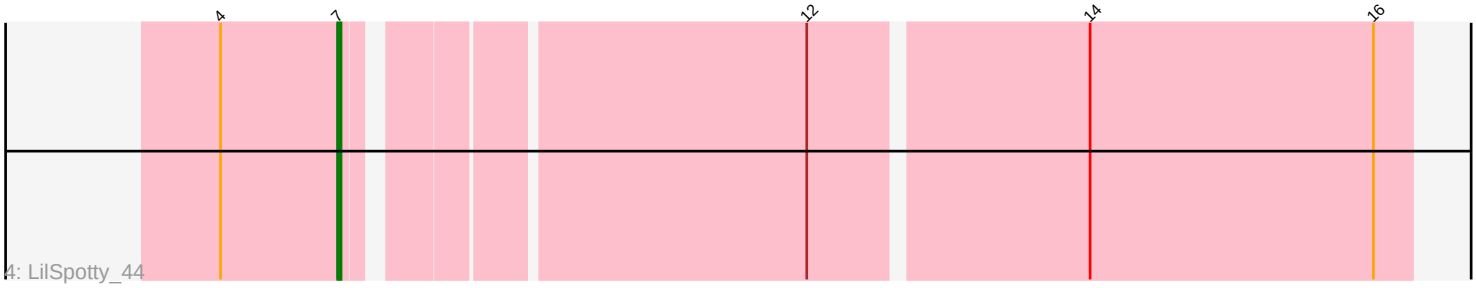
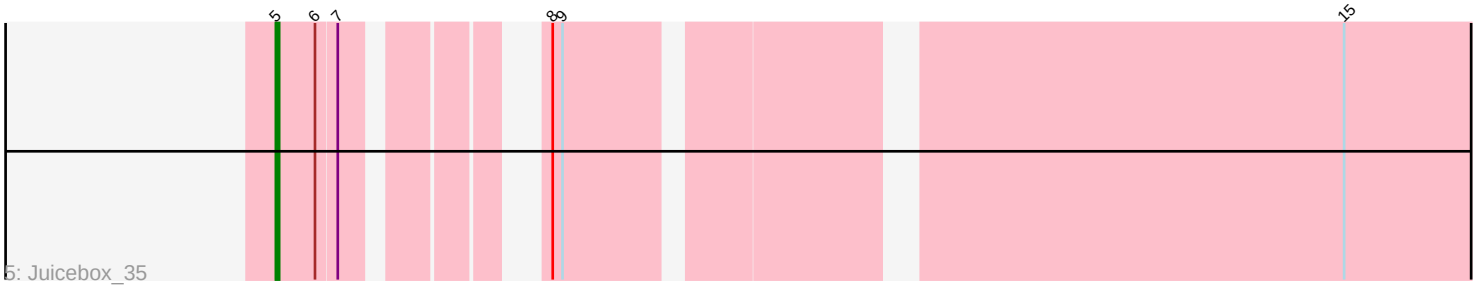
Pham 337243


12
3
4
7
10
13
14
1: Sarma624_42 + 7


1
3
4
7
10
11
13
2: MilleniumForce_45 + 3


1
3
4
7
10
13
3: Corrie_38


4
7
12
14
16
4: LilSpotty_44


5
6
7
8
9
15
5: Juicebox_35

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 337243 Report

This analysis was run 11/14/26 on database version 672.

Pham number 337243 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sarma624_42, Cerasum_41, Coco12_43, Brookers_42, Kingsley_41, Rialto_50, BigPhil_41, Velveteen_40
• Track 2 : MilleniumForce_45, Whatsapiecost_44, Kimberlium_47, Mutaforma13_48
• Track 3 : Cornie_38
• Track 4 : LilSpotty_44
• Track 5 : Juicebox_35

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 13 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigPhil_41, Brookers_42, Cerasum_41, Coco12_43, Kimberlium_47, Kingsley_41, LilSpotty_44, MilleniumForce_45, Mutaforma13_48, Rialto_50, Sarma624_42, Velveteen_40, Whatsapiecost_44,

Genes that have the "Most Annotated" start but do not call it:
• Cornie_38, Juicebox_35,

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

Summary by start number:

Start 1:
• Found in 13 of 15 (86.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Cornie_38 (F5),

Start 5:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 15

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Juicebox_35 (singleton),

Start 7:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 15
• Called 86.7% of time when present
• Phage (with cluster) where this start called: BigPhil_41 (F1), Brookers_42 (F1), Cerasum_41 (F1), Coco12_43 (F1), Kimberlium_47 (F1), Kingsley_41 (F1), LilSpotty_44 (singleton), MilleniumForce_45 (F1), Mutaforma13_48 (F1), Rialto_50 (F1), Sarma624_42 (F1), Velveteen_40 (F1), Whatsapiecost_44 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F1, singleton, F5,

Info for manual annotations of cluster F1:
•Start number 7 was manually annotated 12 times for cluster F1.

Info for manual annotations of cluster F5:
•Start number 1 was manually annotated 1 time for cluster F5.

Gene Information:

Gene: BigPhil_41 Start: 30502, Stop: 30825, Start Num: 7
Candidate Starts for BigPhil_41:
(Start: 1 @30421 has 1 MA's), (2, 30424), (3, 30451), (4, 30466), (Start: 7 @30502 has 13 MA's), (10, 30604), (13, 30691), (14, 30733),

Gene: Brookers_42 Start: 33453, Stop: 33776, Start Num: 7
Candidate Starts for Brookers_42:
(Start: 1 @33372 has 1 MA's), (2, 33375), (3, 33402), (4, 33417), (Start: 7 @33453 has 13 MA's), (10, 33555), (13, 33642), (14, 33684),

Gene: Cerasum_41 Start: 30520, Stop: 30843, Start Num: 7
Candidate Starts for Cerasum_41:
(Start: 1 @30439 has 1 MA's), (2, 30442), (3, 30469), (4, 30484), (Start: 7 @30520 has 13 MA's), (10, 30622), (13, 30709), (14, 30751),

Gene: Coco12_43 Start: 34577, Stop: 34900, Start Num: 7
Candidate Starts for Coco12_43:
(Start: 1 @34496 has 1 MA's), (2, 34499), (3, 34526), (4, 34541), (Start: 7 @34577 has 13 MA's), (10, 34679), (13, 34766), (14, 34808),

Gene: Cornie_38 Start: 32556, Stop: 32960, Start Num: 1
Candidate Starts for Cornie_38:
(Start: 1 @32556 has 1 MA's), (3, 32586), (4, 32601), (Start: 7 @32637 has 13 MA's), (10, 32739), (13, 32826),

Gene: Juicebox_35 Start: 30365, Stop: 30691, Start Num: 5
Candidate Starts for Juicebox_35:

(Start: 5 @30365 has 1 MA's), (6, 30377), (Start: 7 @30383 has 13 MA's), (8, 30425), (9, 30428), (15, 30647),

Gene: Kimberlium_47 Start: 35734, Stop: 36057, Start Num: 7
Candidate Starts for Kimberlium_47:
(Start: 1 @35653 has 1 MA's), (3, 35683), (4, 35698), (Start: 7 @35734 has 13 MA's), (10, 35836), (11, 35857), (13, 35923),

Gene: Kingsley_41 Start: 33310, Stop: 33633, Start Num: 7
Candidate Starts for Kingsley_41:
(Start: 1 @33229 has 1 MA's), (2, 33232), (3, 33259), (4, 33274), (Start: 7 @33310 has 13 MA's), (10, 33412), (13, 33499), (14, 33541),

Gene: LilSpotty_44 Start: 31918, Stop: 32226, Start Num: 7
Candidate Starts for LilSpotty_44:
(4, 31882), (Start: 7 @31918 has 13 MA's), (12, 32047), (14, 32128), (16, 32215),

Gene: MilleniumForce_45 Start: 35467, Stop: 35790, Start Num: 7
Candidate Starts for MilleniumForce_45:
(Start: 1 @35386 has 1 MA's), (3, 35416), (4, 35431), (Start: 7 @35467 has 13 MA's), (10, 35569), (11, 35590), (13, 35656),

Gene: Mutaforma13_48 Start: 35769, Stop: 36092, Start Num: 7
Candidate Starts for Mutaforma13_48:
(Start: 1 @35688 has 1 MA's), (3, 35718), (4, 35733), (Start: 7 @35769 has 13 MA's), (10, 35871), (11, 35892), (13, 35958),

Gene: Rialto_50 Start: 36989, Stop: 37312, Start Num: 7
Candidate Starts for Rialto_50:
(Start: 1 @36908 has 1 MA's), (2, 36911), (3, 36938), (4, 36953), (Start: 7 @36989 has 13 MA's), (10, 37091), (13, 37178), (14, 37220),

Gene: Sarma624_42 Start: 30502, Stop: 30825, Start Num: 7
Candidate Starts for Sarma624_42:
(Start: 1 @30421 has 1 MA's), (2, 30424), (3, 30451), (4, 30466), (Start: 7 @30502 has 13 MA's), (10, 30604), (13, 30691), (14, 30733),

Gene: Velveteen_40 Start: 30502, Stop: 30825, Start Num: 7
Candidate Starts for Velveteen_40:
(Start: 1 @30421 has 1 MA's), (2, 30424), (3, 30451), (4, 30466), (Start: 7 @30502 has 13 MA's), (10, 30604), (13, 30691), (14, 30733),

Gene: Whatsapiecost_44 Start: 33944, Stop: 34267, Start Num: 7
Candidate Starts for Whatsapiecost_44:
(Start: 1 @33863 has 1 MA's), (3, 33893), (4, 33908), (Start: 7 @33944 has 13 MA's), (10, 34046), (11, 34067), (13, 34133),