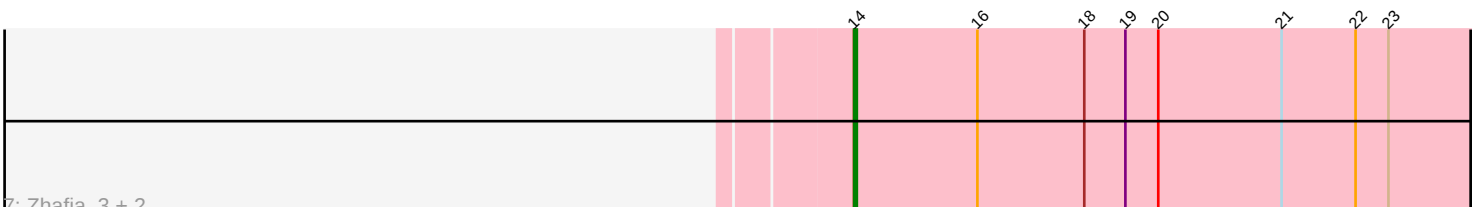
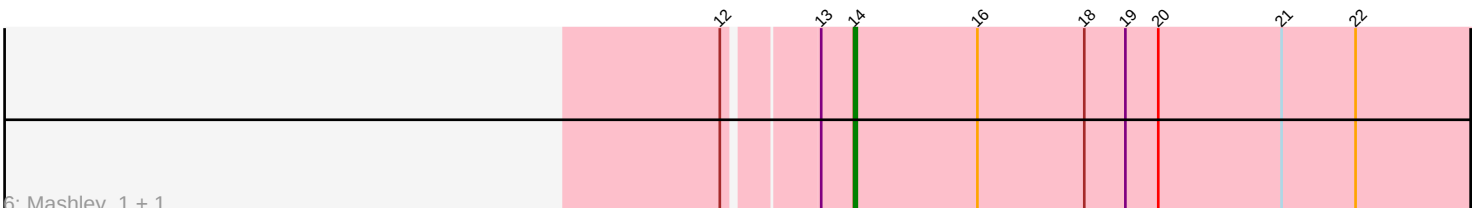
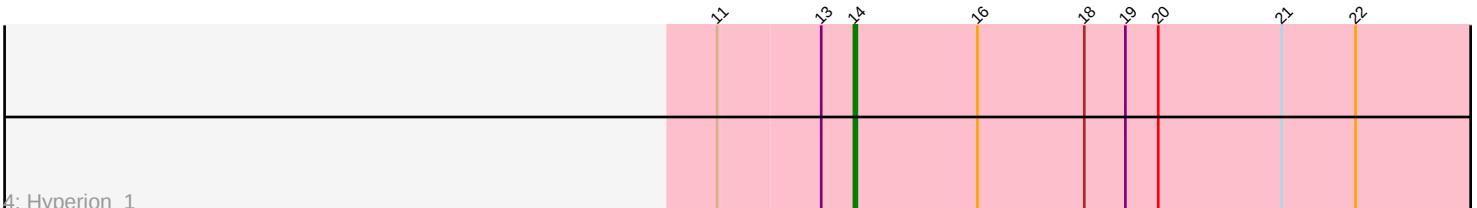
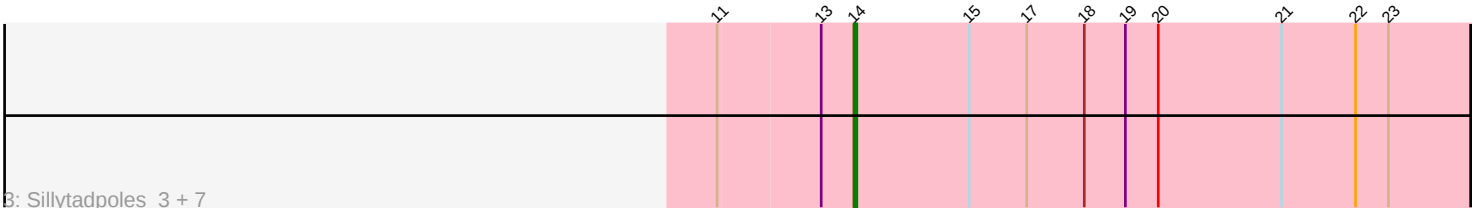
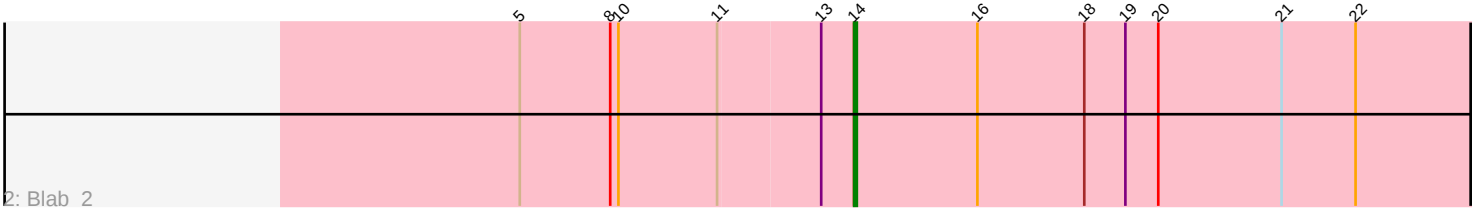
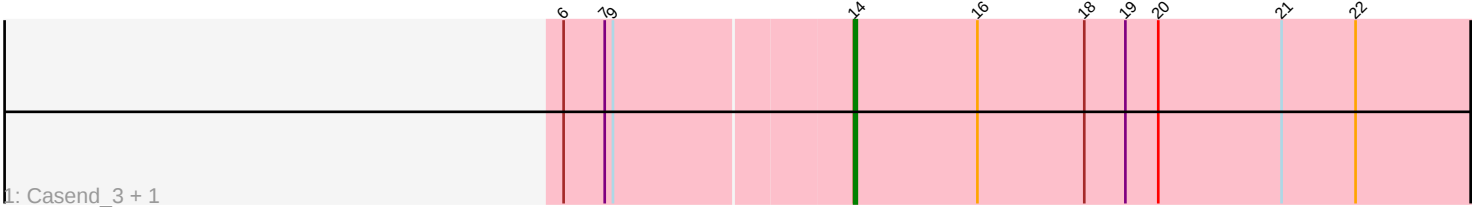


Pham 331290



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 331290 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331290 has 18 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Casend_3, Wayne3_3
- Track 2 : Blab_2
- Track 3 : Sillytadpoles_3, DonaldDuck_3, Rudy_2, Wheelie_3, Llemily_3, Quammi_2, Viceroy_3, Phabia_2
- Track 4 : Hyperion_1
- Track 5 : Gazebo_1
- Track 6 : Mashley_1, AluminumJesus_1
- Track 7 : Zhafia_3, Grassboy_1, Tissue_1

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

The start number called the most often in the published annotations is 14, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AluminumJesus_1, Blab_2, Casend_3, DonaldDuck_3, Gazebo_1, Grassboy_1, Hyperion_1, Llemily_3, Mashley_1, Phabia_2, Quammi_2, Rudy_2, Sillytadpoles_3, Tissue_1, Viceroy_3, Wayne3_3, Wheelie_3, Zhafia_3,

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 14:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AluminumJesus_1 (EG), Blab_2 (EG), Casend_3 (EG), DonaldDuck_3 (EG), Gazebo_1 (EG), Grassboy_1 (EG), Hyperion_1 (EG), Llemily_3 (EG), Mashley_1 (EG), Phabia_2 (EG), Quammi_2 (EG), Rudy_2

(EG), Sillytadpoles_3 (EG), Tissue_1 (EG), Viceroy_3 (EG), Wayne3_3 (EG),
Wheelie_3 (EG), Zhafia_3 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

•Start number 14 was manually annotated 18 times for cluster EG.

Gene Information:

Gene: AluminumJesus_1 Start: 910, Stop: 668, Start Num: 14

Candidate Starts for AluminumJesus_1:

(12, 952), (13, 922), (Start: 14 @910 has 18 MA's), (16, 865), (18, 826), (19, 811), (20, 799), (21, 754),
(22, 727),

Gene: Blab_2 Start: 917, Stop: 675, Start Num: 14

Candidate Starts for Blab_2:

(5, 1037), (8, 1004), (10, 1001), (11, 965), (13, 929), (Start: 14 @917 has 18 MA's), (16, 872), (18,
833), (19, 818), (20, 806), (21, 761), (22, 734),

Gene: Casend_3 Start: 1224, Stop: 976, Start Num: 14

Candidate Starts for Casend_3:

(6, 1326), (7, 1311), (9, 1308), (Start: 14 @1224 has 18 MA's), (16, 1179), (18, 1140), (19, 1125), (20,
1113), (21, 1068), (22, 1041),

Gene: DonaldDuck_3 Start: 1165, Stop: 917, Start Num: 14

Candidate Starts for DonaldDuck_3:

(11, 1213), (13, 1177), (Start: 14 @1165 has 18 MA's), (15, 1123), (17, 1102), (18, 1081), (19, 1066),
(20, 1054), (21, 1009), (22, 982), (23, 970),

Gene: Gazebo_1 Start: 918, Stop: 676, Start Num: 14

Candidate Starts for Gazebo_1:

(1, 1197), (2, 1140), (3, 1110), (4, 1101), (7, 1008), (9, 1005), (Start: 14 @918 has 18 MA's), (16, 873),
(18, 834), (19, 819), (20, 807), (21, 762), (22, 735),

Gene: Grassboy_1 Start: 906, Stop: 667, Start Num: 14

Candidate Starts for Grassboy_1:

(Start: 14 @906 has 18 MA's), (16, 861), (18, 822), (19, 807), (20, 795), (21, 750), (22, 723), (23, 711),

Gene: Hyperion_1 Start: 916, Stop: 677, Start Num: 14

Candidate Starts for Hyperion_1:

(11, 964), (13, 928), (Start: 14 @916 has 18 MA's), (16, 871), (18, 832), (19, 817), (20, 805), (21, 760),
(22, 733),

Gene: Llemily_3 Start: 1166, Stop: 918, Start Num: 14

Candidate Starts for Llemily_3:

(11, 1214), (13, 1178), (Start: 14 @1166 has 18 MA's), (15, 1124), (17, 1103), (18, 1082), (19, 1067),
(20, 1055), (21, 1010), (22, 983), (23, 971),

Gene: Mashley_1 Start: 910, Stop: 668, Start Num: 14

Candidate Starts for Mashley_1:

(12, 952), (13, 922), (Start: 14 @910 has 18 MA's), (16, 865), (18, 826), (19, 811), (20, 799), (21, 754), (22, 727),

Gene: Phabia_2 Start: 1166, Stop: 918, Start Num: 14

Candidate Starts for Phabia_2:

(11, 1214), (13, 1178), (Start: 14 @1166 has 18 MA's), (15, 1124), (17, 1103), (18, 1082), (19, 1067), (20, 1055), (21, 1010), (22, 983), (23, 971),

Gene: Quammi_2 Start: 1170, Stop: 922, Start Num: 14

Candidate Starts for Quammi_2:

(11, 1218), (13, 1182), (Start: 14 @1170 has 18 MA's), (15, 1128), (17, 1107), (18, 1086), (19, 1071), (20, 1059), (21, 1014), (22, 987), (23, 975),

Gene: Rudy_2 Start: 1170, Stop: 922, Start Num: 14

Candidate Starts for Rudy_2:

(11, 1218), (13, 1182), (Start: 14 @1170 has 18 MA's), (15, 1128), (17, 1107), (18, 1086), (19, 1071), (20, 1059), (21, 1014), (22, 987), (23, 975),

Gene: Sillytadpoles_3 Start: 1168, Stop: 920, Start Num: 14

Candidate Starts for Sillytadpoles_3:

(11, 1216), (13, 1180), (Start: 14 @1168 has 18 MA's), (15, 1126), (17, 1105), (18, 1084), (19, 1069), (20, 1057), (21, 1012), (22, 985), (23, 973),

Gene: Tissue_1 Start: 924, Stop: 685, Start Num: 14

Candidate Starts for Tissue_1:

(Start: 14 @924 has 18 MA's), (16, 879), (18, 840), (19, 825), (20, 813), (21, 768), (22, 741), (23, 729),

Gene: Viceroy_3 Start: 1170, Stop: 922, Start Num: 14

Candidate Starts for Viceroy_3:

(11, 1218), (13, 1182), (Start: 14 @1170 has 18 MA's), (15, 1128), (17, 1107), (18, 1086), (19, 1071), (20, 1059), (21, 1014), (22, 987), (23, 975),

Gene: Wayne3_3 Start: 1219, Stop: 971, Start Num: 14

Candidate Starts for Wayne3_3:

(6, 1321), (7, 1306), (9, 1303), (Start: 14 @1219 has 18 MA's), (16, 1174), (18, 1135), (19, 1120), (20, 1108), (21, 1063), (22, 1036),

Gene: Wheelie_3 Start: 1165, Stop: 917, Start Num: 14

Candidate Starts for Wheelie_3:

(11, 1213), (13, 1177), (Start: 14 @1165 has 18 MA's), (15, 1123), (17, 1102), (18, 1081), (19, 1066), (20, 1054), (21, 1009), (22, 982), (23, 970),

Gene: Zhafia_3 Start: 1165, Stop: 917, Start Num: 14

Candidate Starts for Zhafia_3:

(Start: 14 @1165 has 18 MA's), (16, 1120), (18, 1081), (19, 1066), (20, 1054), (21, 1009), (22, 982), (23, 970),