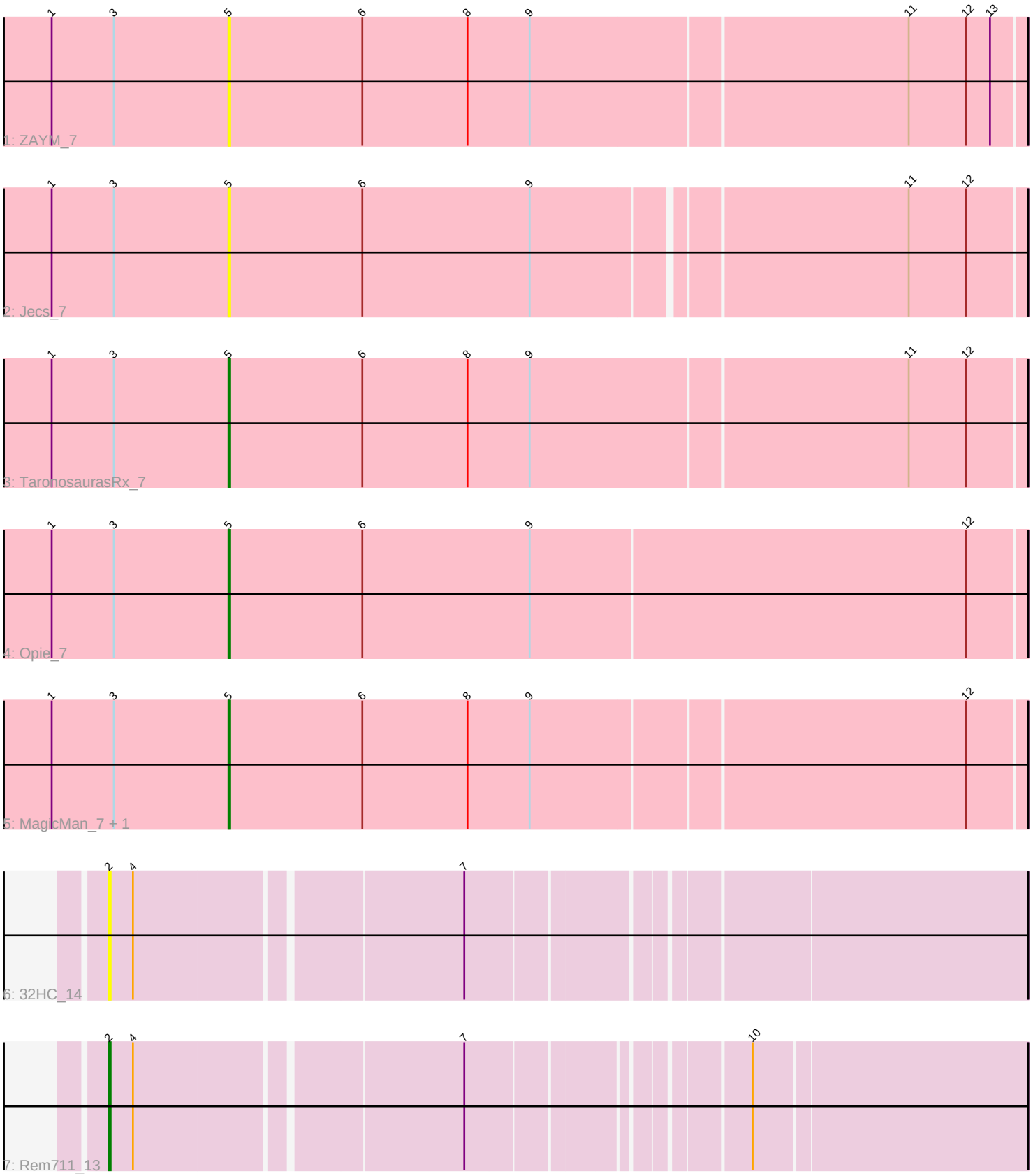
Pham 305550


1
3
5
6
8
9
11
12
13
1: ZAYM_7
1
3
5
6
9
11
12
2: Jecs_7
1
3
5
6
8
9
11
12
3: TarohosaurasRx_7
1
3
5
6
9
12
4: Opie_7
1
3
5
6
8
9
12
5: MagicMan_7 + 1
2
4
7
6: 32HC_14
2
4
7
10
7: Rem711_13

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 305550 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305550 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : ZAYM_7
• Track 2 : Jecs_7
• Track 3 : TaronosaurasRx_7
• Track 4 : Opie_7
• Track 5 : MagicMan_7, Schnabeltier_7
• Track 6 : 32HC_14
• Track 7 : Rem711_13

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

The start number called the most often in the published annotations is 5, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Jecs_7, MagicMan_7, Opie_7, Schnabeltier_7, TaronosaurasRx_7, ZAYM_7,

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

Genes that do not have the "Most Annotated" start:
• 32HC_14, Rem711_13,

Summary by start number:

Start 2:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 32HC_14 (Z), Rem711_13 (Z),

Start 5:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Jecs_7 (DB), MagicMan_7 (DB), Opie_7 (DB), Schnabeltier_7 (DB), TaronosaurasRx_7 (DB), ZAYM_7 (DB),

Summary by clusters:

There are 2 clusters represented in this pham: Z, DB,

Info for manual annotations of cluster DB:
•Start number 5 was manually annotated 4 times for cluster DB.

Info for manual annotations of cluster Z:
•Start number 2 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_14 Start: 9194, Stop: 9727, Start Num: 2
Candidate Starts for 32HC_14:
(Start: 2 @9194 has 1 MA's), (4, 9209), (7, 9401),

Gene: Jecs_7 Start: 6338, Stop: 6820, Start Num: 5
Candidate Starts for Jecs_7:
(1, 6227), (3, 6266), (Start: 5 @6338 has 4 MA's), (6, 6422), (9, 6527), (11, 6749), (12, 6785),

Gene: MagicMan_7 Start: 6338, Stop: 6826, Start Num: 5
Candidate Starts for MagicMan_7:
(1, 6227), (3, 6266), (Start: 5 @6338 has 4 MA's), (6, 6422), (8, 6488), (9, 6527), (12, 6791),

Gene: Opie_7 Start: 6347, Stop: 6841, Start Num: 5
Candidate Starts for Opie_7:
(1, 6236), (3, 6275), (Start: 5 @6347 has 4 MA's), (6, 6431), (9, 6536), (12, 6806),

Gene: Rem711_13 Start: 9248, Stop: 9775, Start Num: 2
Candidate Starts for Rem711_13:
(Start: 2 @9248 has 1 MA's), (4, 9263), (7, 9455), (10, 9608),

Gene: Schnabeltier_7 Start: 6339, Stop: 6827, Start Num: 5
Candidate Starts for Schnabeltier_7:
(1, 6228), (3, 6267), (Start: 5 @6339 has 4 MA's), (6, 6423), (8, 6489), (9, 6528), (12, 6792),

Gene: TaronosaurasRx_7 Start: 6346, Stop: 6837, Start Num: 5
Candidate Starts for TaronosaurasRx_7:
(1, 6235), (3, 6274), (Start: 5 @6346 has 4 MA's), (6, 6430), (8, 6496), (9, 6535), (11, 6766), (12, 6802),

Gene: ZAYM_7 Start: 6339, Stop: 6830, Start Num: 5
Candidate Starts for ZAYM_7:
(1, 6228), (3, 6267), (Start: 5 @6339 has 4 MA's), (6, 6423), (8, 6489), (9, 6528), (11, 6759), (12, 6795), (13, 6810),