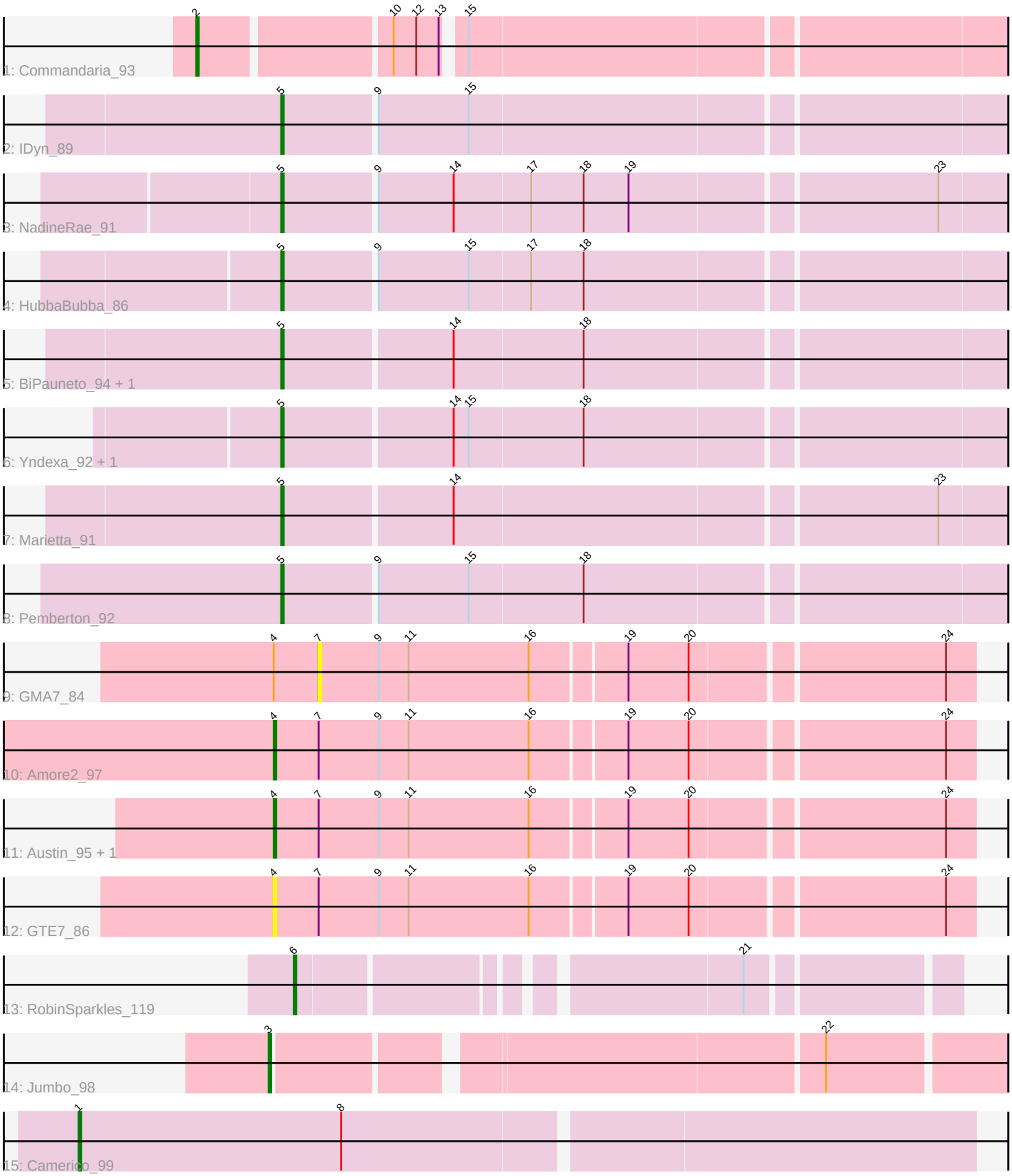
Pham 342612


2
10
12
13
15
1: Commandaria_93
5
9
15
2: IDyn_89
5
9
14
17
18
19
23
3: NadineRae_91
5
9
15
17
18
4: HubbaBubba_86
5
14
18
5: BiPauneto_94 + 1
5
14
15
18
6: Yndexa_92 + 1
5
14
23
7: Marietta_91
5
9
15
18
8: Pemberton_92
4
7
9
11
16
19
20
24
9: GMA7_84
4
7
9
11
16
19
20
24
10: Amore2_97
4
7
9
11
16
19
20
24
11: Austin_95 + 1
4
7
9
11
16
19
20
24
12: GTE7_86
6
21
13: RobinSparkles_119
3
22
14: Jumbo_98
1
8
15: Camerico_99

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 342612 Report

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

Pham number 342612 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Commandaria_93
• Track 2 : IDyn_89
• Track 3 : NadineRae_91
• Track 4 : HubbaBubba_86
• Track 5 : BiPauneto_94, WhoseManz_91
• Track 6 : Yndexa_92, Sukkupi_92
• Track 7 : Marietta_91
• Track 8 : Pemberton_92
• Track 9 : GMA7_84
• Track 10 : Amore2_97
• Track 11 : Austin_95, HayZem_97
• Track 12 : GTE7_86
• Track 13 : RobinSparkles_119
• Track 14 : Jumbo_98
• Track 15 : Camerico_99

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 9 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BiPauneto_94, HubbaBubba_86, IDyn_89, Marietta_91, NadineRae_91, Pemberton_92, Sukkupi_92, WhoseManz_91, Yndexa_92,

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

Genes that do not have the "Most Annotated" start:
• Amore2_97, Austin_95, Camerico_99, Commandaria_93, GMA7_84, GTE7_86, HayZem_97, Jumbo_98, RobinSparkles_119,

Summary by start number:

Start 1:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Camerico_99 (DF4),

Start 2:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Commandaria_93 (CR2),

Start 3:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jumbo_98 (DF3),

Start 4:
• Found in 5 of 18 (27.8%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Amore2_97 (CS1), Austin_95 (CS1), GTE7_86 (CS1), HayZem_97 (CS1),

Start 5:
• Found in 9 of 18 (50.0%) of genes in pham
• Manual Annotations of this start: 9 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BiPauneto_94 (CR4), HubbaBubba_86 (CR4), IDyn_89 (CR4), Marietta_91 (CR4), NadineRae_91 (CR4), Pemberton_92 (CR4), Sukkupi_92 (CR4), WhoseManz_91 (CR4), Yndexa_92 (CR4),

Start 6:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RobinSparkles_119 (CX),

Start 7:
• Found in 5 of 18 (27.8%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: GMA7_84 (CS1),

Summary by clusters:

There are 6 clusters represented in this pham: CR2, CR4, DF4, DF3, CX, CS1,

Info for manual annotations of cluster CR2:
•Start number 2 was manually annotated 1 time for cluster CR2.

Info for manual annotations of cluster CR4:

•Start number 5 was manually annotated 9 times for cluster CR4.

Info for manual annotations of cluster CS1:
•Start number 4 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CX:
•Start number 6 was manually annotated 1 time for cluster CX.

Info for manual annotations of cluster DF3:
•Start number 3 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:
•Start number 1 was manually annotated 1 time for cluster DF4.

Gene Information:

Gene: Amore2_97 Start: 71099, Stop: 70830, Start Num: 4
Candidate Starts for Amore2_97:
(Start: 4 @71099 has 3 MA's), (7, 71081), (9, 71057), (11, 71045), (16, 70997), (19, 70961), (20, 70937), (24, 70841),

Gene: Austin_95 Start: 70932, Stop: 70663, Start Num: 4
Candidate Starts for Austin_95:
(Start: 4 @70932 has 3 MA's), (7, 70914), (9, 70890), (11, 70878), (16, 70830), (19, 70794), (20, 70770), (24, 70674),

Gene: BiPauneto_94 Start: 65422, Stop: 65700, Start Num: 5
Candidate Starts for BiPauneto_94:
(Start: 5 @65422 has 9 MA's), (14, 65488), (18, 65539),

Gene: Camerico_99 Start: 76507, Stop: 76157, Start Num: 1
Candidate Starts for Camerico_99:
(Start: 1 @76507 has 1 MA's), (8, 76402),

Gene: Commandaria_93 Start: 66901, Stop: 67203, Start Num: 2
Candidate Starts for Commandaria_93:
(Start: 2 @66901 has 1 MA's), (10, 66973), (12, 66982), (13, 66991), (15, 66997),

Gene: GMA7_84 Start: 64843, Stop: 64592, Start Num: 7
Candidate Starts for GMA7_84:
(Start: 4 @64861 has 3 MA's), (7, 64843), (9, 64819), (11, 64807), (16, 64759), (19, 64723), (20, 64699), (24, 64603),

Gene: GTE7_86 Start: 65768, Stop: 65499, Start Num: 4
Candidate Starts for GTE7_86:
(Start: 4 @65768 has 3 MA's), (7, 65750), (9, 65726), (11, 65714), (16, 65666), (19, 65630), (20, 65606), (24, 65510),

Gene: HayZem_97 Start: 70939, Stop: 70670, Start Num: 4
Candidate Starts for HayZem_97:

(Start: 4 @70939 has 3 MA's), (7, 70921), (9, 70897), (11, 70885), (16, 70837), (19, 70801), (20, 70777), (24, 70681),

Gene: HubbaBubba_86 Start: 62424, Stop: 62702, Start Num: 5
Candidate Starts for HubbaBubba_86:
(Start: 5 @62424 has 9 MA's), (9, 62460), (15, 62496), (17, 62520), (18, 62541),

Gene: IDyn_89 Start: 63577, Stop: 63855, Start Num: 5
Candidate Starts for IDyn_89:
(Start: 5 @63577 has 9 MA's), (9, 63613), (15, 63649),

Gene: Jumbo_98 Start: 76302, Stop: 76030, Start Num: 3
Candidate Starts for Jumbo_98:
(Start: 3 @76302 has 1 MA's), (22, 76098),

Gene: Marietta_91 Start: 63120, Stop: 63398, Start Num: 5
Candidate Starts for Marietta_91:
(Start: 5 @63120 has 9 MA's), (14, 63186), (23, 63372),

Gene: NadineRae_91 Start: 63050, Stop: 63328, Start Num: 5
Candidate Starts for NadineRae_91:
(Start: 5 @63050 has 9 MA's), (9, 63086), (14, 63116), (17, 63146), (18, 63167), (19, 63185), (23, 63302),

Gene: Pemberton_92 Start: 63365, Stop: 63643, Start Num: 5
Candidate Starts for Pemberton_92:
(Start: 5 @63365 has 9 MA's), (9, 63401), (15, 63437), (18, 63482),

Gene: RobinSparkles_119 Start: 77236, Stop: 77000, Start Num: 6
Candidate Starts for RobinSparkles_119:
(Start: 6 @77236 has 1 MA's), (21, 77077),

Gene: Sukkupi_92 Start: 64820, Stop: 65098, Start Num: 5
Candidate Starts for Sukkupi_92:
(Start: 5 @64820 has 9 MA's), (14, 64886), (15, 64892), (18, 64937),

Gene: WhoseManz_91 Start: 62783, Stop: 63061, Start Num: 5
Candidate Starts for WhoseManz_91:
(Start: 5 @62783 has 9 MA's), (14, 62849), (18, 62900),

Gene: Yndexa_92 Start: 64820, Stop: 65098, Start Num: 5
Candidate Starts for Yndexa_92:
(Start: 5 @64820 has 9 MA's), (14, 64886), (15, 64892), (18, 64937),