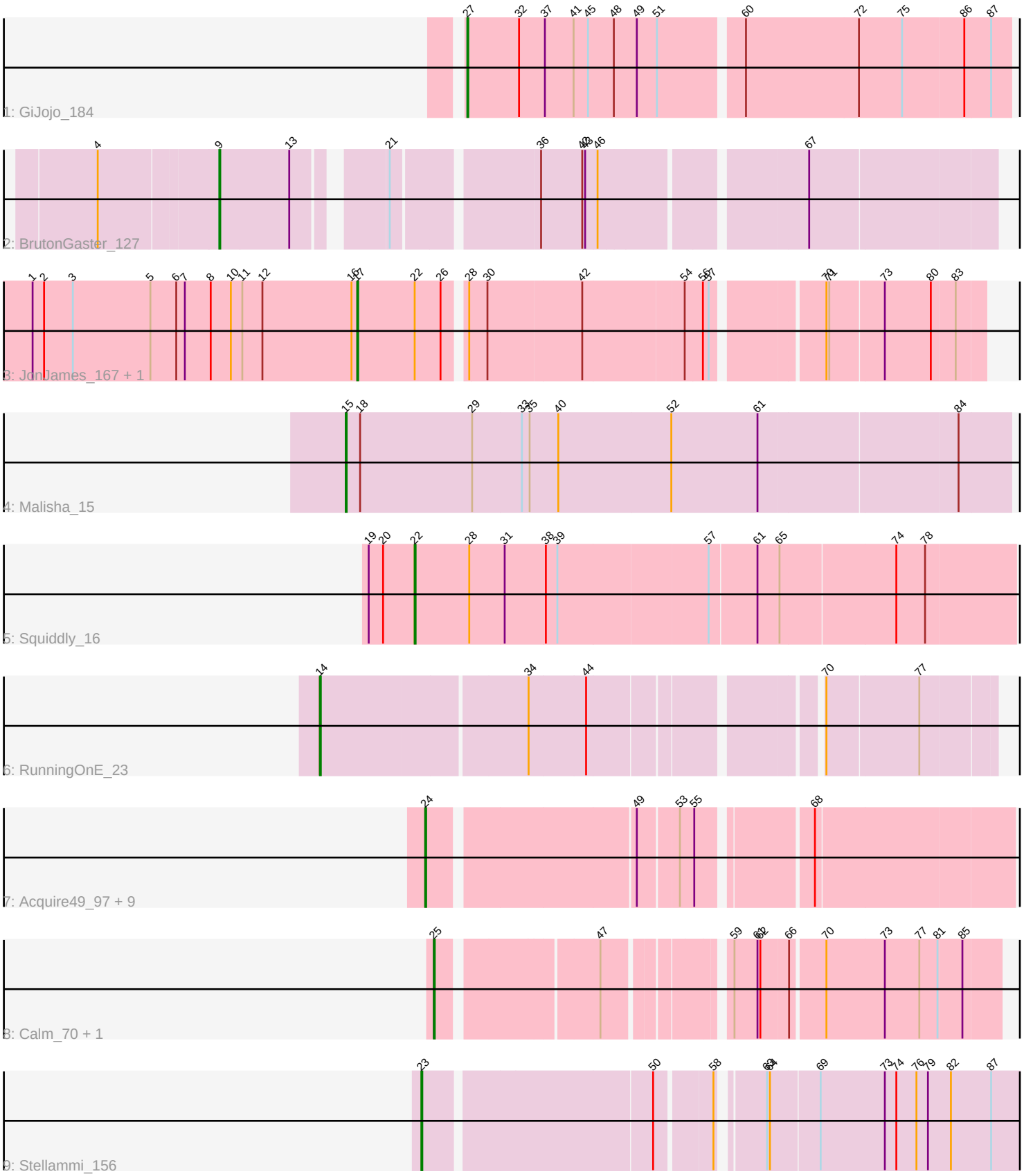
Pham 348068


1: GiJojo_184
2: BrutonGaster_127
3: JonJames_167 + 1
4: Malisha_15
5: Squiddly_16
6: RunningOnE_23
7: Acquire49_97 + 9
8: Calm_70 + 1
9: Stellammi_156

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 348068 Report

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

Pham number 348068 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : GiJojo_184
• Track 2 : BrutonGaster_127
• Track 3 : JonJames_167, Yvonnetastic_162
• Track 4 : Malisha_15
• Track 5 : Squiddly_16
• Track 6 : RunningOnE_23
• Track 7 : Acquire49_97, MAckerman_96, Halena_95, AvadaKedavra_97, Zaria_98, Tyson_99, LeBron_96, UPIE_96, Wyatt2_98, Calm_99
• Track 8 : Calm_70, Wamburgrxpress_69
• Track 9 : Stellammi_156

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

The start number called the most often in the published annotations is 24, it was called in 10 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_97, AvadaKedavra_97, Calm_99, Halena_95, LeBron_96, MAckerman_96, Tyson_99, UPIE_96, Wyatt2_98, Zaria_98,

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

Genes that do not have the "Most Annotated" start:
• BrutonGaster_127, Calm_70, GiJojo_184, JonJames_167, Malisha_15, RunningOnE_23, Squiddly_16, Stellammi_156, Wamburgrxpress_69, Yvonnetastic_162,

Summary by start number:

Start 9:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BrutonGaster_127 (CQ2),

Start 14:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RunningOnE_23 (JN),

Start 15:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malisha_15 (DN),

Start 17:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JonJames_167 (DD), Yvonnetastic_162 (DD),

Start 22:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Squiddly_16 (DN2),

Start 23:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_156 (UNK),

Start 24:
• Found in 10 of 20 (50.0%) of genes in pham
• Manual Annotations of this start: 10 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acquire49_97 (L1), AvadaKedavra_97 (L1), Calm_99 (L1), Halena_95 (L1), LeBron_96 (L1), MAckerman_96 (L1), Tyson_99 (L1), UPIE_96 (L1), Wyatt2_98 (L1), Zaria_98 (L1),

Start 25:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Calm_70 (L1), Wamburgrxpress_69 (L1),

Start 27:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GiJojo_184 (BS),

Summary by clusters:

There are 8 clusters represented in this pham: DN, L1, DD, DN2, JN, BS, CQ2, UNK,

Info for manual annotations of cluster BS:
•Start number 27 was manually annotated 1 time for cluster BS.

Info for manual annotations of cluster CQ2:
•Start number 9 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DD:
•Start number 17 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DN:
•Start number 15 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN2:
•Start number 22 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster JN:
•Start number 14 was manually annotated 1 time for cluster JN.

Info for manual annotations of cluster L1:
•Start number 24 was manually annotated 10 times for cluster L1.
•Start number 25 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster UNK:
•Start number 23 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: Acquire49_97 Start: 59589, Stop: 60149, Start Num: 24
Candidate Starts for Acquire49_97:
(Start: 24 @59589 has 10 MA's), (49, 59790), (53, 59829), (55, 59844), (68, 59949),

Gene: AvadaKedavra_97 Start: 59701, Stop: 60261, Start Num: 24
Candidate Starts for AvadaKedavra_97:
(Start: 24 @59701 has 10 MA's), (49, 59902), (53, 59941), (55, 59956), (68, 60061),

Gene: BrutonGaster_127 Start: 75924, Stop: 76652, Start Num: 9
Candidate Starts for BrutonGaster_127:
(4, 75816), (Start: 9 @75924 has 1 MA's), (13, 75996), (21, 76074), (36, 76212), (42, 76254), (43, 76257), (46, 76269), (67, 76464),

Gene: Calm_70 Start: 47119, Stop: 47640, Start Num: 25
Candidate Starts for Calm_70:
(Start: 25 @47119 has 2 MA's), (47, 47269), (59, 47377), (61, 47401), (62, 47404), (66, 47431), (70, 47464), (73, 47524), (77, 47560), (81, 47578), (85, 47602),

Gene: Calm_99 Start: 59968, Stop: 60528, Start Num: 24

Candidate Starts for Calm_99:
(Start: 24 @59968 has 10 MA's), (49, 60169), (53, 60208), (55, 60223), (68, 60328),

Gene: GiJojo_184 Start: 101076, Stop: 101627, Start Num: 27
Candidate Starts for GiJojo_184:
(Start: 27 @101076 has 1 MA's), (32, 101130), (37, 101157), (41, 101187), (45, 101202), (48, 101229), (49, 101253), (51, 101274), (60, 101355), (72, 101472), (75, 101517), (86, 101580), (87, 101607),

Gene: Halena_95 Start: 58884, Stop: 59444, Start Num: 24
Candidate Starts for Halena_95:
(Start: 24 @58884 has 10 MA's), (49, 59085), (53, 59124), (55, 59139), (68, 59244),

Gene: JonJames_167 Start: 89129, Stop: 89734, Start Num: 17
Candidate Starts for JonJames_167:
(1, 88790), (2, 88802), (3, 88832), (5, 88913), (6, 88940), (7, 88949), (8, 88976), (10, 88997), (11, 89009), (12, 89030), (16, 89123), (Start: 17 @89129 has 2 MA's), (Start: 22 @89189 has 1 MA's), (26, 89216), (28, 89234), (30, 89252), (42, 89348), (54, 89450), (56, 89468), (57, 89474), (70, 89576), (71, 89579), (73, 89633), (80, 89681), (83, 89705),

Gene: LeBron_96 Start: 59191, Stop: 59751, Start Num: 24
Candidate Starts for LeBron_96:
(Start: 24 @59191 has 10 MA's), (49, 59392), (53, 59431), (55, 59446), (68, 59551),

Gene: MAckerman_96 Start: 58877, Stop: 59437, Start Num: 24
Candidate Starts for MAckerman_96:
(Start: 24 @58877 has 10 MA's), (49, 59078), (53, 59117), (55, 59132), (68, 59237),

Gene: Malisha_15 Start: 9435, Stop: 10115, Start Num: 15
Candidate Starts for Malisha_15:
(Start: 15 @9435 has 1 MA's), (18, 9450), (29, 9567), (33, 9618), (35, 9624), (40, 9654), (52, 9771), (61, 9861), (84, 10062),

Gene: RunningOnE_23 Start: 10549, Stop: 9908, Start Num: 14
Candidate Starts for RunningOnE_23:
(Start: 14 @10549 has 1 MA's), (34, 10342), (44, 10285), (70, 10075), (77, 9982),

Gene: Squiddly_16 Start: 9132, Stop: 9740, Start Num: 22
Candidate Starts for Squiddly_16:
(19, 9084), (20, 9099), (Start: 22 @9132 has 1 MA's), (28, 9189), (31, 9225), (38, 9267), (39, 9279), (57, 9432), (61, 9480), (65, 9501), (74, 9618), (78, 9648),

Gene: Stellammi_156 Start: 71654, Stop: 72247, Start Num: 23
Candidate Starts for Stellammi_156:
(Start: 23 @71654 has 1 MA's), (50, 71879), (58, 71933), (63, 71972), (64, 71975), (69, 72023), (73, 72089), (74, 72101), (76, 72122), (79, 72134), (82, 72158), (87, 72200),

Gene: Tyson_99 Start: 60294, Stop: 60854, Start Num: 24
Candidate Starts for Tyson_99:
(Start: 24 @60294 has 10 MA's), (49, 60495), (53, 60534), (55, 60549), (68, 60654),

Gene: UPIE_96 Start: 59534, Stop: 60094, Start Num: 24
Candidate Starts for UPIE_96:
(Start: 24 @59534 has 10 MA's), (49, 59735), (53, 59774), (55, 59789), (68, 59894),

Gene: Wamburgrxpress_69 Start: 47295, Stop: 47816, Start Num: 25
Candidate Starts for Wamburgrxpress_69:
(Start: 25 @47295 has 2 MA's), (47, 47445), (59, 47553), (61, 47577), (62, 47580), (66, 47607), (70, 47640), (73, 47700), (77, 47736), (81, 47754), (85, 47778),

Gene: Wyatt2_98 Start: 59957, Stop: 60517, Start Num: 24
Candidate Starts for Wyatt2_98:
(Start: 24 @59957 has 10 MA's), (49, 60158), (53, 60197), (55, 60212), (68, 60317),

Gene: Yvonnetastic_162 Start: 85216, Stop: 85821, Start Num: 17
Candidate Starts for Yvonnetastic_162:
(1, 84877), (2, 84889), (3, 84919), (5, 85000), (6, 85027), (7, 85036), (8, 85063), (10, 85084), (11, 85096), (12, 85117), (16, 85210), (Start: 17 @85216 has 2 MA's), (Start: 22 @85276 has 1 MA's), (26, 85303), (28, 85321), (30, 85339), (42, 85435), (54, 85537), (56, 85555), (57, 85561), (70, 85663), (71, 85666), (73, 85720), (80, 85768), (83, 85792),

Gene: Zaria_98 Start: 59433, Stop: 59993, Start Num: 24
Candidate Starts for Zaria_98:
(Start: 24 @59433 has 10 MA's), (49, 59634), (53, 59673), (55, 59688), (68, 59793),