Zoomed Pham 346266



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 346266 Report

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

Pham number 346266 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Linus_78
• Track 2 : KBurrousTX_78
• Track 3 : EdgarPoe_77, Tophat_79, Chipper1996_790, Conboy_77, RosiePosie_78
• Track 4 : DrYang_76
• Track 5 : Colucci_80
• Track 6 : MoyaNatalis_78, JayCookie_79
• Track 7 : ArV1_064
• Track 8 : Chubster_79
• Track 9 : Lymara_74
• Track 10 : PrincessTrina_79

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chipper1996_790, Chubster_79, Colucci_80, Conboy_77, DrYang_76, EdgarPoe_77, JayCookie_79, KBurrousTX_78, Linus_78, MoyaNatalis_78, PrincessTrina_79, RosiePosie_78, Tophat_79,

Genes that have the "Most Annotated" start but do not call it:
• ArV1_064,

Genes that do not have the "Most Annotated" start:
• Lymara_74,

Summary by start number:

Start 1:
• Found in 1 of 15 (6.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV1_064 (AR),

Start 2:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Chipper1996_790 (AR), Chubster_79 (AR), Colucci_80 (AR), Conboy_77 (AR), DrYang_76 (AR), EdgarPoe_77 (AR), JayCookie_79 (AR), KBurrousTX_78 (AR), Linus_78 (AR), MoyaNatalis_78 (AR), PrincessTrina_79 (AR), RosiePosie_78 (AR), Tophat_79 (AR),

Start 3:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lymara_74 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:
•Start number 2 was manually annotated 12 times for cluster AR.
•Start number 3 was manually annotated 1 time for cluster AR.

Gene Information:

Gene: ArV1_064 Start: 49183, Stop: 50271, Start Num: 1
Candidate Starts for ArV1_064:
(1, 49183), (Start: 2 @49192 has 12 MA's), (4, 49213), (5, 49252), (10, 49357), (20, 49516), (25, 49582), (28, 49633), (29, 49645), (30, 49732), (31, 49738), (33, 49744), (34, 49774), (47, 49879), (49, 49918), (59, 50041), (61, 50053), (62, 50074), (63, 50080), (75, 50185), (76, 50200), (77, 50215), (79, 50260),

Gene: Chipper1996_790 Start: 50488, Stop: 51564, Start Num: 2
Candidate Starts for Chipper1996_790:
(Start: 2 @50488 has 12 MA's), (12, 50668), (21, 50818), (22, 50824), (24, 50866), (28, 50908), (29, 50920), (35, 51049), (36, 51055), (46, 51124), (48, 51175), (51, 51220), (53, 51229), (66, 51370), (67, 51376), (69, 51397), (77, 51508), (79, 51553),

Gene: Chubster_79 Start: 50862, Stop: 51965, Start Num: 2
Candidate Starts for Chubster_79:
(Start: 2 @50862 has 12 MA's), (6, 50943), (9, 51003), (12, 51054), (21, 51204), (22, 51210), (24, 51252), (28, 51294), (29, 51306), (35, 51450), (36, 51456), (44, 51519), (46, 51525), (48, 51576), (51, 51621), (53, 51630), (66, 51771), (67, 51777), (69, 51798), (77, 51909), (79, 51954),

Gene: Colucci_80 Start: 50873, Stop: 51913, Start Num: 2
Candidate Starts for Colucci_80:
(Start: 2 @50873 has 12 MA's), (7, 50987), (10, 51038), (14, 51059), (16, 51071), (19, 51131), (23, 51212), (25, 51224), (33, 51344), (38, 51392), (47, 51479), (49, 51518), (54, 51569), (59, 51641), (61, 51653), (63, 51680), (68, 51737), (70, 51779), (72, 51797),

Gene: Conboy_77 Start: 50352, Stop: 51428, Start Num: 2
Candidate Starts for Conboy_77:
(Start: 2 @50352 has 12 MA's), (12, 50532), (21, 50682), (22, 50688), (24, 50730), (28, 50772), (29, 50784), (35, 50913), (36, 50919), (46, 50988), (48, 51039), (51, 51084), (53, 51093), (66, 51234), (67, 51240), (69, 51261), (77, 51372), (79, 51417),

Gene: DrYang_76 Start: 51300, Stop: 52124, Start Num: 2
Candidate Starts for DrYang_76:
(Start: 2 @51300 has 12 MA's), (6, 51381), (9, 51441), (10, 51465), (27, 51606), (29, 51627), (30, 51708), (33, 51720), (39, 51771), (41, 51777), (43, 51816), (45, 51822), (55, 51960), (58, 51975), (59, 51993), (60, 51999), (65, 52041), (71, 52092), (73, 52116),

Gene: EdgarPoe_77 Start: 50352, Stop: 51428, Start Num: 2
Candidate Starts for EdgarPoe_77:
(Start: 2 @50352 has 12 MA's), (12, 50532), (21, 50682), (22, 50688), (24, 50730), (28, 50772), (29, 50784), (35, 50913), (36, 50919), (46, 50988), (48, 51039), (51, 51084), (53, 51093), (66, 51234), (67, 51240), (69, 51261), (77, 51372), (79, 51417),

Gene: JayCookie_79 Start: 51074, Stop: 52147, Start Num: 2
Candidate Starts for JayCookie_79:
(Start: 2 @51074 has 12 MA's), (12, 51254), (21, 51404), (22, 51410), (24, 51452), (28, 51494), (35, 51635), (36, 51641), (44, 51704), (46, 51710), (48, 51761), (51, 51806), (53, 51815), (66, 51956), (67, 51962), (69, 51983), (70, 52013), (72, 52031), (74, 52052), (78, 52112),

Gene: KBurrousTX_78 Start: 52633, Stop: 53610, Start Num: 2
Candidate Starts for KBurrousTX_78:
(Start: 2 @52633 has 12 MA's), (6, 52714), (9, 52774), (11, 52801), (12, 52825), (26, 53044), (30, 53155), (33, 53167), (39, 53218), (43, 53266), (49, 53344), (58, 53449), (59, 53467), (60, 53473),

Gene: Linus_78 Start: 50651, Stop: 51736, Start Num: 2
Candidate Starts for Linus_78:
(Start: 2 @50651 has 12 MA's), (6, 50732), (9, 50792), (12, 50843), (17, 50891), (21, 50993), (22, 50999), (29, 51095), (35, 51224), (36, 51230), (44, 51293), (46, 51299), (48, 51350), (51, 51395), (53, 51404), (66, 51545), (67, 51551), (74, 51641), (77, 51680),

Gene: Lymara_74 Start: 48923, Stop: 50008, Start Num: 3
Candidate Starts for Lymara_74:
(Start: 3 @48923 has 1 MA's), (8, 49049), (10, 49085), (13, 49106), (15, 49118), (18, 49172), (21, 49271), (24, 49307), (28, 49349), (29, 49361), (32, 49451), (37, 49490), (40, 49502), (42, 49532), (48, 49592), (50, 49619), (52, 49643), (56, 49697), (57, 49706), (64, 49775), (65, 49787), (68, 49814), (74, 49898), (77, 49952), (79, 49997),

Gene: MoyaNatalis_78 Start: 50520, Stop: 51593, Start Num: 2
Candidate Starts for MoyaNatalis_78:
(Start: 2 @50520 has 12 MA's), (12, 50700), (21, 50850), (22, 50856), (24, 50898), (28, 50940), (35, 51081), (36, 51087), (44, 51150), (46, 51156), (48, 51207), (51, 51252), (53, 51261), (66, 51402), (67, 51408), (69, 51429), (70, 51459), (72, 51477), (74, 51498), (78, 51558),

Gene: PrincessTrina_79 Start: 50556, Stop: 51632, Start Num: 2
Candidate Starts for PrincessTrina_79:
(Start: 2 @50556 has 12 MA's), (12, 50736), (21, 50886), (22, 50892), (24, 50934), (28, 50976), (35, 51117), (36, 51123), (44, 51186), (46, 51192), (48, 51243), (51, 51288), (53, 51297), (66, 51438), (67, 51444), (69, 51465), (77, 51576), (79, 51621),

Gene: RosiePosie_78 Start: 50340, Stop: 51416, Start Num: 2
Candidate Starts for RosiePosie_78:
(Start: 2 @50340 has 12 MA's), (12, 50520), (21, 50670), (22, 50676), (24, 50718), (28, 50760), (29, 50772), (35, 50901), (36, 50907), (46, 50976), (48, 51027), (51, 51072), (53, 51081), (66, 51222), (67, 51228), (69, 51249), (77, 51360), (79, 51405),

Gene: Tophat_79 Start: 50489, Stop: 51565, Start Num: 2
Candidate Starts for Tophat_79:
(Start: 2 @50489 has 12 MA's), (12, 50669), (21, 50819), (22, 50825), (24, 50867), (28, 50909), (29, 50921), (35, 51050), (36, 51056), (46, 51125), (48, 51176), (51, 51221), (53, 51230), (66, 51371), (67, 51377), (69, 51398), (77, 51509), (79, 51554),