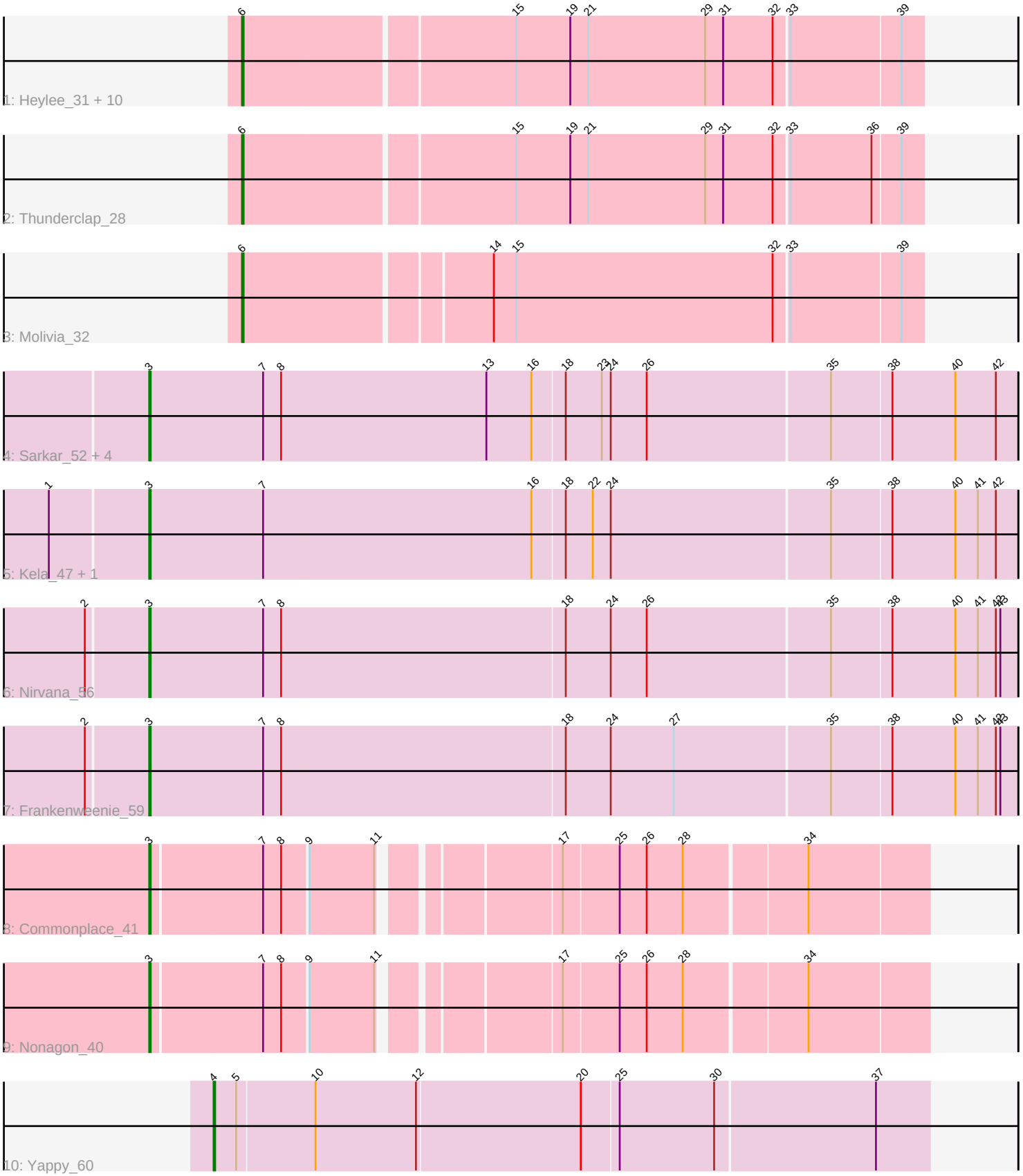
Pham 342492


1: Heylee_31 + 10
2: Thunderclap_28
3: Molivia_32
4: Sarkar_52 + 4
5: Kela_47 + 1
6: Nirvana_56
7: Frankenweenie_59
8: Commonplace_41
9: Nonagon_40
10: Yappy_60

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 342492 Report

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

Pham number 342492 has 25 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Heylee_31, Gorgeous_28, Ichor_27, Jaek_27, Anansi_28, SorJuana_28, Yeezus_27, Boersma_29, Amigo_28, Amavida_31, Rings_27
• Track 2 : Thunderclap_28
• Track 3 : Molivia_32
• Track 4 : Sarkar_52, Satis_52, Kradal_52, EhyElimayoE_52, Quantum_51
• Track 5 : Kela_47, JustBecause_46
• Track 6 : Nirvana_56
• Track 7 : Frankenweenie_59
• Track 8 : Commonplace_41
• Track 9 : Nonagon_40
• Track 10 : Yappy_60

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

The start number called the most often in the published annotations is 6, it was called in 13 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_31, Amigo_28, Anansi_28, Boersma_29, Gorgeous_28, Heylee_31, Ichor_27, Jaek_27, Molivia_32, Rings_27, SorJuana_28, Thunderclap_28, Yeezus_27,

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

Genes that do not have the "Most Annotated" start:
• Commonplace_41, EhyElimayoE_52, Frankenweenie_59, JustBecause_46, Kela_47, Kradal_52, Nirvana_56, Nonagon_40, Quantum_51, Sarkar_52, Satis_52, Yappy_60,

Summary by start number:

Start 3:
• Found in 11 of 25 (44.0%) of genes in pham

• Manual Annotations of this start: 11 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Commonplace_41 (JD), EhyElimayoE_52 (BM), Frankenweenie_59 (BM), JustBecause_46 (BM), Kela_47 (BM), Kradal_52 (BM), Nirvana_56 (BM), Nonagon_40 (JD), Quantum_51 (BM), Sarkar_52 (BM), Satis_52 (BM),

Start 4:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yappy_60 (singleton),

Start 6:
• Found in 13 of 25 (52.0%) of genes in pham
• Manual Annotations of this start: 13 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_31 (AQ), Amigo_28 (AQ), Anansi_28 (AQ), Boersma_29 (AQ), Gorgeous_28 (AQ), Heylee_31 (AQ), Ichor_27 (AQ), Jaek_27 (AQ), Molivia_32 (AQ), Rings_27 (AQ), SorJuana_28 (AQ), Thunderclap_28 (AQ), Yeezus_27 (AQ),

Summary by clusters:

There are 4 clusters represented in this pham: AQ, BM, singleton, JD,

Info for manual annotations of cluster AQ:
•Start number 6 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster BM:
•Start number 3 was manually annotated 9 times for cluster BM.

Info for manual annotations of cluster JD:
•Start number 3 was manually annotated 2 times for cluster JD.

Gene Information:

Gene: Amavida_31 Start: 15227, Stop: 15667, Start Num: 6
Candidate Starts for Amavida_31:
(Start: 6 @15227 has 13 MA's), (15, 15401), (19, 15437), (21, 15449), (29, 15527), (31, 15539), (32, 15572), (33, 15581), (39, 15653),

Gene: Amigo_28 Start: 15101, Stop: 15541, Start Num: 6
Candidate Starts for Amigo_28:
(Start: 6 @15101 has 13 MA's), (15, 15275), (19, 15311), (21, 15323), (29, 15401), (31, 15413), (32, 15446), (33, 15455), (39, 15527),

Gene: Anansi_28 Start: 15110, Stop: 15550, Start Num: 6
Candidate Starts for Anansi_28:
(Start: 6 @15110 has 13 MA's), (15, 15284), (19, 15320), (21, 15332), (29, 15410), (31, 15422), (32, 15455), (33, 15464), (39, 15536),

Gene: Boersma_29 Start: 15101, Stop: 15541, Start Num: 6
Candidate Starts for Boersma_29:
(Start: 6 @15101 has 13 MA's), (15, 15275), (19, 15311), (21, 15323), (29, 15401), (31, 15413), (32, 15446), (33, 15455), (39, 15527),

Gene: Commonplace_41 Start: 23079, Stop: 23555, Start Num: 3
Candidate Starts for Commonplace_41:
(Start: 3 @23079 has 11 MA's), (7, 23151), (8, 23163), (9, 23178), (11, 23220), (17, 23322), (25, 23358), (26, 23376), (28, 23400), (34, 23478),

Gene: EhyElimayoE_52 Start: 28364, Stop: 28933, Start Num: 3
Candidate Starts for EhyElimayoE_52:
(Start: 3 @28364 has 11 MA's), (7, 28439), (8, 28451), (13, 28586), (16, 28616), (18, 28637), (23, 28661), (24, 28667), (26, 28691), (35, 28811), (38, 28850), (40, 28892), (42, 28919),

Gene: Frankenweenie_59 Start: 30949, Stop: 31518, Start Num: 3
Candidate Starts for Frankenweenie_59:
(2, 30910), (Start: 3 @30949 has 11 MA's), (7, 31024), (8, 31036), (18, 31222), (24, 31252), (27, 31294), (35, 31396), (38, 31435), (40, 31477), (41, 31492), (42, 31504), (43, 31507),

Gene: Gorgeous_28 Start: 15110, Stop: 15550, Start Num: 6
Candidate Starts for Gorgeous_28:
(Start: 6 @15110 has 13 MA's), (15, 15284), (19, 15320), (21, 15332), (29, 15410), (31, 15422), (32, 15455), (33, 15464), (39, 15536),

Gene: Heylee_31 Start: 15227, Stop: 15667, Start Num: 6
Candidate Starts for Heylee_31:
(Start: 6 @15227 has 13 MA's), (15, 15401), (19, 15437), (21, 15449), (29, 15527), (31, 15539), (32, 15572), (33, 15581), (39, 15653),

Gene: Ichor_27 Start: 15101, Stop: 15541, Start Num: 6
Candidate Starts for Ichor_27:
(Start: 6 @15101 has 13 MA's), (15, 15275), (19, 15311), (21, 15323), (29, 15401), (31, 15413), (32, 15446), (33, 15455), (39, 15527),

Gene: Jaek_27 Start: 15101, Stop: 15541, Start Num: 6
Candidate Starts for Jaek_27:
(Start: 6 @15101 has 13 MA's), (15, 15275), (19, 15311), (21, 15323), (29, 15401), (31, 15413), (32, 15446), (33, 15455), (39, 15527),

Gene: JustBecause_46 Start: 25586, Stop: 26155, Start Num: 3
Candidate Starts for JustBecause_46:
(1, 25523), (Start: 3 @25586 has 11 MA's), (7, 25661), (16, 25838), (18, 25859), (22, 25877), (24, 25889), (35, 26033), (38, 26072), (40, 26114), (41, 26129), (42, 26141),

Gene: Kela_47 Start: 25451, Stop: 26020, Start Num: 3
Candidate Starts for Kela_47:
(1, 25388), (Start: 3 @25451 has 11 MA's), (7, 25526), (16, 25703), (18, 25724), (22, 25742), (24, 25754), (35, 25898), (38, 25937), (40, 25979), (41, 25994), (42, 26006),

Gene: Kradal_52 Start: 28364, Stop: 28933, Start Num: 3
Candidate Starts for Kradal_52:

(Start: 3 @28364 has 11 MA's), (7, 28439), (8, 28451), (13, 28586), (16, 28616), (18, 28637), (23, 28661), (24, 28667), (26, 28691), (35, 28811), (38, 28850), (40, 28892), (42, 28919),

Gene: Molivia_32 Start: 15360, Stop: 15797, Start Num: 6
Candidate Starts for Molivia_32:
(Start: 6 @15360 has 13 MA's), (14, 15516), (15, 15531), (32, 15702), (33, 15711), (39, 15783),

Gene: Nirvana_56 Start: 30348, Stop: 30917, Start Num: 3
Candidate Starts for Nirvana_56:
(2, 30309), (Start: 3 @30348 has 11 MA's), (7, 30423), (8, 30435), (18, 30621), (24, 30651), (26, 30675), (35, 30795), (38, 30834), (40, 30876), (41, 30891), (42, 30903), (43, 30906),

Gene: Nonagon_40 Start: 22779, Stop: 23255, Start Num: 3
Candidate Starts for Nonagon_40:
(Start: 3 @22779 has 11 MA's), (7, 22851), (8, 22863), (9, 22878), (11, 22920), (17, 23022), (25, 23058), (26, 23076), (28, 23100), (34, 23178),

Gene: Quantum_51 Start: 28364, Stop: 28933, Start Num: 3
Candidate Starts for Quantum_51:
(Start: 3 @28364 has 11 MA's), (7, 28439), (8, 28451), (13, 28586), (16, 28616), (18, 28637), (23, 28661), (24, 28667), (26, 28691), (35, 28811), (38, 28850), (40, 28892), (42, 28919),

Gene: Rings_27 Start: 15232, Stop: 15672, Start Num: 6
Candidate Starts for Rings_27:
(Start: 6 @15232 has 13 MA's), (15, 15406), (19, 15442), (21, 15454), (29, 15532), (31, 15544), (32, 15577), (33, 15586), (39, 15658),

Gene: Sarkar_52 Start: 28364, Stop: 28933, Start Num: 3
Candidate Starts for Sarkar_52:
(Start: 3 @28364 has 11 MA's), (7, 28439), (8, 28451), (13, 28586), (16, 28616), (18, 28637), (23, 28661), (24, 28667), (26, 28691), (35, 28811), (38, 28850), (40, 28892), (42, 28919),

Gene: Satis_52 Start: 28360, Stop: 28929, Start Num: 3
Candidate Starts for Satis_52:
(Start: 3 @28360 has 11 MA's), (7, 28435), (8, 28447), (13, 28582), (16, 28612), (18, 28633), (23, 28657), (24, 28663), (26, 28687), (35, 28807), (38, 28846), (40, 28888), (42, 28915),

Gene: SorJuana_28 Start: 15110, Stop: 15550, Start Num: 6
Candidate Starts for SorJuana_28:
(Start: 6 @15110 has 13 MA's), (15, 15284), (19, 15320), (21, 15332), (29, 15410), (31, 15422), (32, 15455), (33, 15464), (39, 15536),

Gene: Thunderclap_28 Start: 15130, Stop: 15570, Start Num: 6
Candidate Starts for Thunderclap_28:
(Start: 6 @15130 has 13 MA's), (15, 15304), (19, 15340), (21, 15352), (29, 15430), (31, 15442), (32, 15475), (33, 15484), (36, 15538), (39, 15556),

Gene: Yappy_60 Start: 21076, Stop: 21543, Start Num: 4
Candidate Starts for Yappy_60:
(Start: 4 @21076 has 1 MA's), (5, 21091), (10, 21142), (12, 21208), (20, 21316), (25, 21340), (30, 21403), (37, 21508),

Gene: Yeezus_27 Start: 15100, Stop: 15540, Start Num: 6

Candidate Starts for Yeezus_27:
(Start: 6 @15100 has 13 MA's), (15, 15274), (19, 15310), (21, 15322), (29, 15400), (31, 15412), (32, 15445), (33, 15454), (39, 15526),