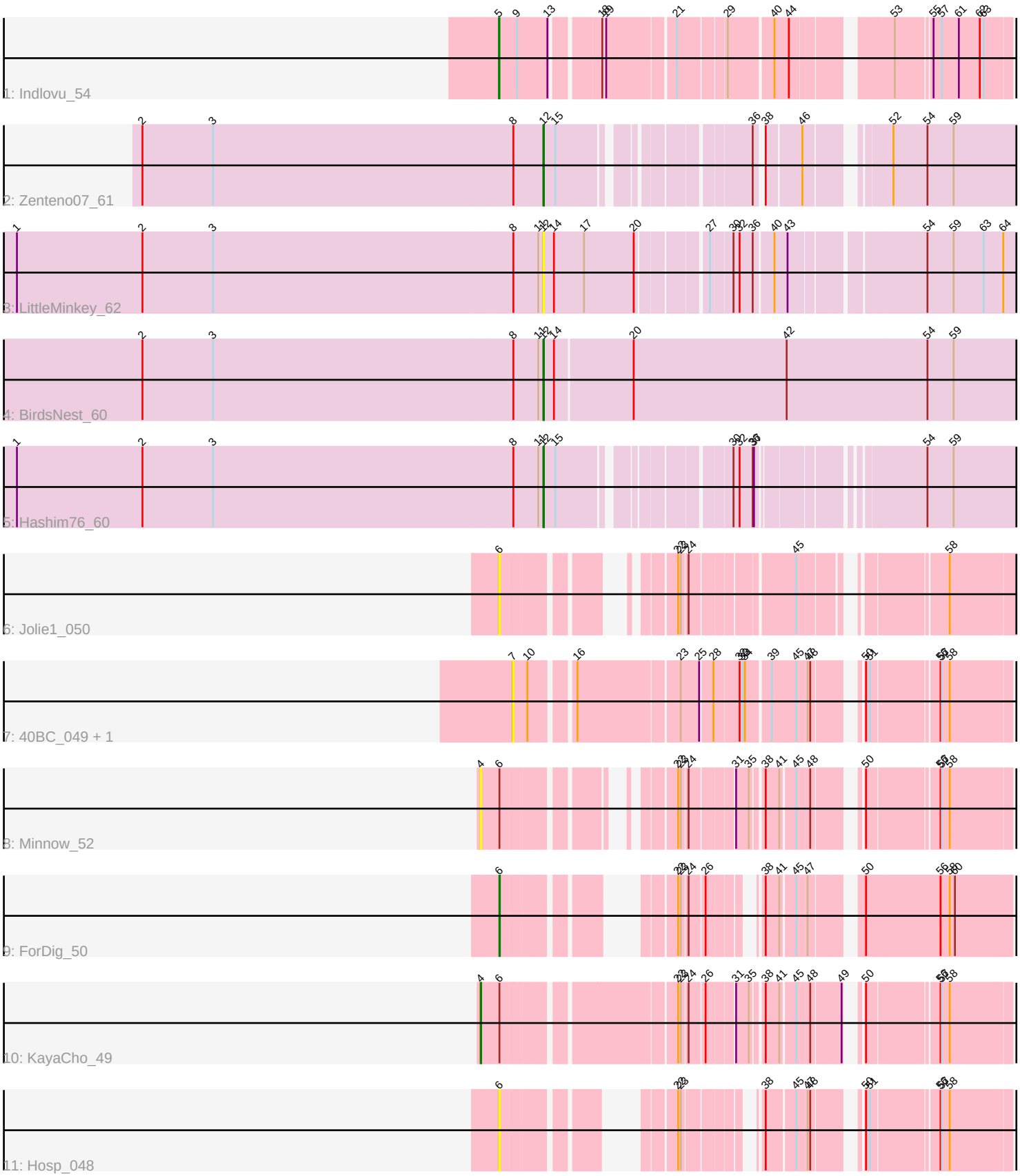
Pham 335470


1: Indlovu_54
2: Zenteno07_61
3: LittleMinkey_62
4: BirdsNest_60
5: Hashim76_60
6: Jolie1_050
7: 40BC_049 + 1
8: Minnow_52
9: ForDig_50
10: KayaCho_49
11: Hosp_048

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 335470 Report

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

Pham number 335470 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Indlovu_54
• Track 2 : Zenteno07_61
• Track 3 : LittleMinkey_62
• Track 4 : BirdsNest_60
• Track 5 : Hashim76_60
• Track 6 : Jolie1_050
• Track 7 : 40BC_049, 39HC_049
• Track 8 : Minnow_52
• Track 9 : ForDig_50
• Track 10 : KayaCho_49
• Track 11 : Hosp_048

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

The start number called the most often in the published annotations is 12, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdsNest_60, Hashim76_60, LittleMinkey_62, Zenteno07_61,

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

Genes that do not have the "Most Annotated" start:
• 39HC_049, 40BC_049, ForDig_50, Hosp_048, Indlovu_54, Jolie1_050, KayaCho_49, Minnow_52,

Summary by start number:

Start 4:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KayaCho_49 (B6), Minnow_52 (B6),

Start 5:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Indlovu_54 (B11),

Start 6:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 60.0% of time when present
• Phage (with cluster) where this start called: ForDig_50 (B6), Hosp_048 (B6), Jolie1_050 (B6),

Start 7:
• Found in 2 of 12 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 39HC_049 (B6), 40BC_049 (B6),

Start 12:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_60 (B13), Hashim76_60 (B13), LittleMinkey_62 (B13), Zenteno07_61 (B13),

Summary by clusters:

There are 3 clusters represented in this pham: B6, B13, B11,

Info for manual annotations of cluster B11:
•Start number 5 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B13:
•Start number 12 was manually annotated 3 times for cluster B13.

Info for manual annotations of cluster B6:
•Start number 4 was manually annotated 1 time for cluster B6.
•Start number 6 was manually annotated 1 time for cluster B6.

Gene Information:

Gene: 39HC_049 Start: 49995, Stop: 49036, Start Num: 7
Candidate Starts for 39HC_049:
(7, 49995), (10, 49968), (16, 49890), (23, 49668), (25, 49626), (28, 49602), (32, 49548), (33, 49542), (34, 49536), (39, 49485), (45, 49431), (47, 49413), (48, 49407), (50, 49335), (51, 49326), (56, 49191), (57, 49188), (58, 49173),

Gene: 40BC_049 Start: 49995, Stop: 49036, Start Num: 7
Candidate Starts for 40BC_049:

(7, 49995), (10, 49968), (16, 49890), (23, 49668), (25, 49626), (28, 49602), (32, 49548), (33, 49542), (34, 49536), (39, 49485), (45, 49431), (47, 49413), (48, 49407), (50, 49335), (51, 49326), (56, 49191), (57, 49188), (58, 49173),

Gene: BirdsNest_60 Start: 52341, Stop: 51265, Start Num: 12
Candidate Starts for BirdsNest_60:
(2, 53259), (3, 53097), (8, 52410), (11, 52353), (Start: 12 @52341 has 3 MA's), (14, 52317), (20, 52143), (42, 51795), (54, 51474), (59, 51417),

Gene: ForDig_50 Start: 50079, Stop: 49225, Start Num: 6
Candidate Starts for ForDig_50:
(Start: 6 @50079 has 1 MA's), (22, 49830), (23, 49824), (24, 49812), (26, 49782), (38, 49710), (41, 49686), (45, 49656), (47, 49638), (50, 49551), (56, 49383), (58, 49365), (60, 49353),

Gene: Hashim76_60 Start: 52686, Stop: 51784, Start Num: 12
Candidate Starts for Hashim76_60:
(1, 53892), (2, 53604), (3, 53442), (8, 52755), (11, 52698), (Start: 12 @52686 has 3 MA's), (15, 52662), (30, 52347), (32, 52335), (36, 52305), (37, 52302), (54, 51993), (59, 51936),

Gene: Hosp_048 Start: 48278, Stop: 47463, Start Num: 6
Candidate Starts for Hosp_048:
(Start: 6 @48278 has 1 MA's), (22, 48032), (23, 48026), (38, 47912), (45, 47858), (47, 47840), (48, 47834), (50, 47762), (51, 47753), (56, 47618), (57, 47615), (58, 47600),

Gene: Indlovu_54 Start: 52244, Stop: 51246, Start Num: 5
Candidate Starts for Indlovu_54:
(Start: 5 @52244 has 1 MA's), (9, 52205), (13, 52139), (18, 52043), (19, 52040), (21, 51896), (29, 51800), (40, 51704), (44, 51671), (53, 51488), (55, 51413), (57, 51398), (61, 51362), (62, 51314), (63, 51305),

Gene: Jolie1_050 Start: 50185, Stop: 49319, Start Num: 6
Candidate Starts for Jolie1_050:
(Start: 6 @50185 has 1 MA's), (22, 49930), (23, 49924), (24, 49912), (45, 49714), (58, 49468),

Gene: KayaCho_49 Start: 50035, Stop: 49061, Start Num: 4
Candidate Starts for KayaCho_49:
(Start: 4 @50035 has 1 MA's), (Start: 6 @49996 has 1 MA's), (22, 49657), (23, 49651), (24, 49639), (26, 49609), (31, 49558), (35, 49531), (38, 49510), (41, 49486), (45, 49456), (48, 49432), (49, 49369), (50, 49360), (56, 49216), (57, 49213), (58, 49198),

Gene: LittleMinkey_62 Start: 52381, Stop: 51407, Start Num: 12
Candidate Starts for LittleMinkey_62:
(1, 53587), (2, 53299), (3, 53137), (8, 52450), (11, 52393), (Start: 12 @52381 has 3 MA's), (14, 52357), (17, 52288), (20, 52174), (27, 52039), (30, 51994), (32, 51982), (36, 51952), (40, 51913), (43, 51883), (54, 51613), (59, 51556), (63, 51487), (64, 51445),

Gene: Minnow_52 Start: 50168, Stop: 49275, Start Num: 4
Candidate Starts for Minnow_52:
(Start: 4 @50168 has 1 MA's), (Start: 6 @50129 has 1 MA's), (22, 49871), (23, 49865), (24, 49853), (31, 49772), (35, 49745), (38, 49724), (41, 49700), (45, 49670), (48, 49646), (50, 49574), (56, 49430), (57, 49427), (58, 49412),

Gene: Zenteno07_61 Start: 52337, Stop: 51450, Start Num: 12

Candidate Starts for Zenteno07_61:
(2, 53255), (3, 53093), (8, 52406), (Start: 12 @52337 has 3 MA's), (15, 52313), (36, 51962), (38, 51950), (46, 51881), (52, 51737), (54, 51659), (59, 51602),