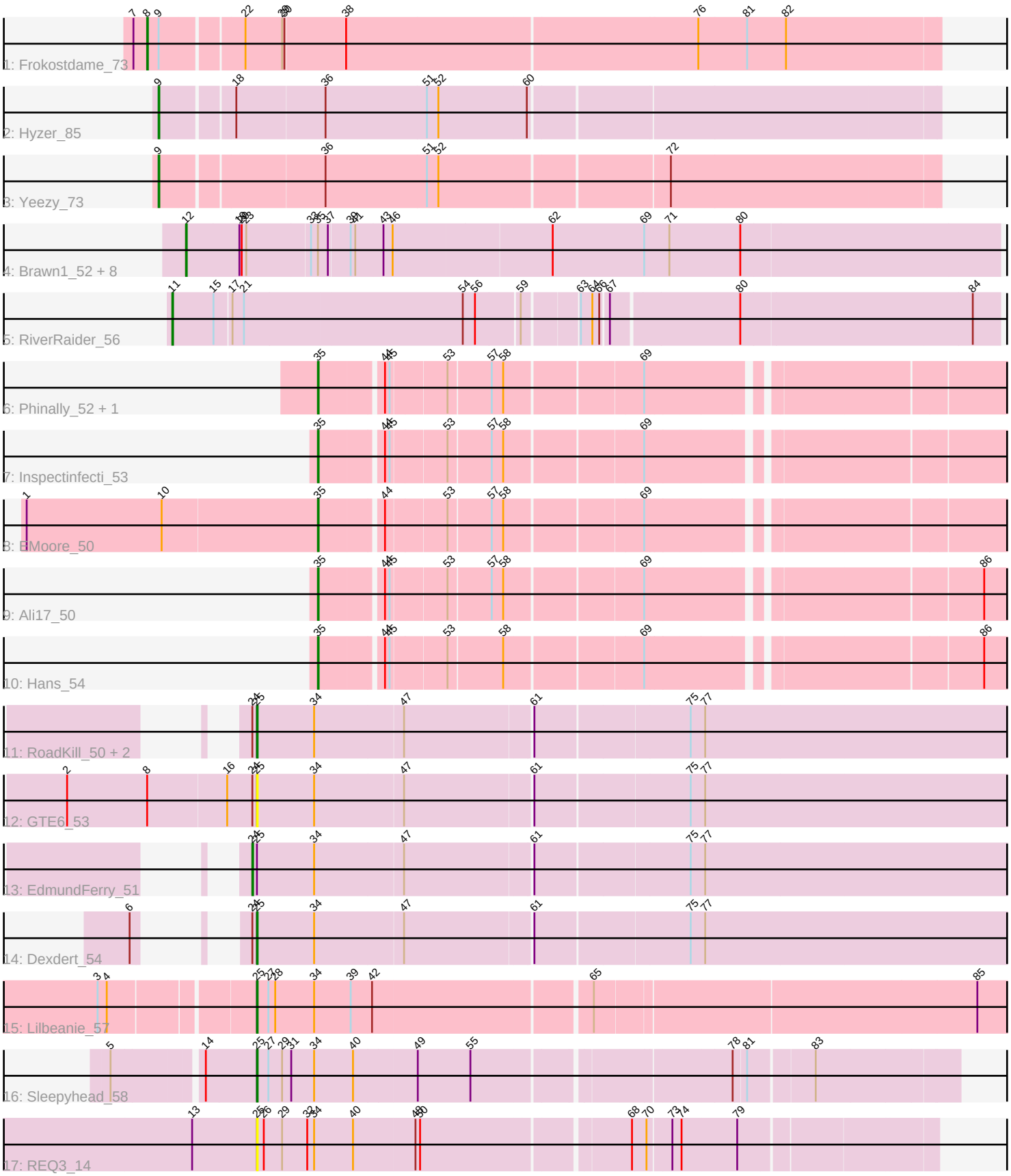
Pham 347938


1: Frokostdame_73
2: Hyzer_85
3: Yeezy_73
4: Brawn1_52 + 8
5: RiverRaider_56
6: Phinally_52 + 1
7: Inspectinfecti_53
8: BMoore_50
9: Ali17_50
10: Hans_54
11: RoadKill_50 + 2
12: GTE6_53
13: EdmundFerry_51
14: Dexdert_54
15: Lilbeanie_57
16: Sleepyhead_58
17: REQ3_14

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 347938 Report

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

Pham number 347938 has 28 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Frokostdame_73
• Track 2 : Hyzer_85
• Track 3 : Yeezy_73
• Track 4 : Brawn1_52, Vivi2_60, Sitar_56, Brandonk123_58, Lennon_56, Charming_57, Jabberwocky_54, Rofo_56, Tangent_57
• Track 5 : RiverRaider_56
• Track 6 : Phinally_52, Leonard_52
• Track 7 : Inspectinfecti_53
• Track 8 : EMoore_50
• Track 9 : Ali17_50
• Track 10 : Hans_54
• Track 11 : RoadKill_50, Tiamoceli_53, Twonlo_50
• Track 12 : GTE6_53
• Track 13 : EdmundFerry_51
• Track 14 : Dexdert_54
• Track 15 : Lilbeanie_57
• Track 16 : Sleepyhead_58
• Track 17 : REQ3_14

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 8 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Brandonk123_58, Brawn1_52, Charming_57, Jabberwocky_54, Lennon_56, Rofo_56, Sitar_56, Tangent_57, Vivi2_60,

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

Genes that do not have the "Most Annotated" start:
• Ali17_50, Dexdert_54, EMoore_50, EdmundFerry_51, Frokostdame_73, GTE6_53, Hans_54, Hyzer_85, Inspectinfecti_53, Leonard_52, Lilbeanie_57, Phinally_52,

REQ3_14, RiverRaider_56, RoadKill_50, Sleepyhead_58, Tiamoceli_53, Twonlo_50, Yeezy_73,

Summary by start number:

Start 8:
• Found in 2 of 28 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Frokostdame_73 (CV),

Start 9:
• Found in 3 of 28 (10.7%) of genes in pham
• Manual Annotations of this start: 2 of 25
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Hyzer_85 (CZ1), Yeezy_73 (CZ3),

Start 11:
• Found in 1 of 28 (3.6%) 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: RiverRaider_56 (DE1),

Start 12:
• Found in 9 of 28 (32.1%) of genes in pham
• Manual Annotations of this start: 8 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Brandonk123_58 (DE1), Brawn1_52 (DE1), Charming_57 (DE1), Jabberwocky_54 (DE1), Lennon_56 (DE1), Rofo_56 (DE1), Sitar_56 (DE1), Tangent_57 (DE1), Vivi2_60 (DE1),

Start 24:
• Found in 6 of 28 (21.4%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 16.7% of time when present
• Phage (with cluster) where this start called: EdmundFerry_51 (DE3),

Start 25:
• Found in 9 of 28 (32.1%) of genes in pham
• Manual Annotations of this start: 6 of 25
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Dexdert_54 (DE3), GTE6_53 (DE3), Lilbeanie_57 (DE5), REQ3_14 (singleton), RoadKill_50 (DE3), Sleepyhead_58 (singleton), Tiamoceli_53 (DE3), Twonlo_50 (DE3),

Start 35:
• Found in 15 of 28 (53.6%) of genes in pham
• Manual Annotations of this start: 6 of 25
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Ali17_50 (DE2), EMoore_50 (DE2), Hans_54 (DE2), Inspectinfecti_53 (DE2), Leonard_52 (DE2), Phinally_52 (DE2),

Summary by clusters:

There are 8 clusters represented in this pham: singleton, CZ1, DE1, DE2, DE3, DE5, CZ3, CV,

Info for manual annotations of cluster CV:
•Start number 8 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ1:
•Start number 9 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ3:
•Start number 9 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster DE1:
•Start number 11 was manually annotated 1 time for cluster DE1.
•Start number 12 was manually annotated 8 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 35 was manually annotated 6 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 24 was manually annotated 1 time for cluster DE3.
•Start number 25 was manually annotated 4 times for cluster DE3.

Info for manual annotations of cluster DE5:
•Start number 25 was manually annotated 1 time for cluster DE5.

Gene Information:

Gene: Ali17_50 Start: 43224, Stop: 44075, Start Num: 35
Candidate Starts for Ali17_50:
(Start: 35 @43224 has 6 MA's), (44, 43299), (45, 43305), (53, 43374), (57, 43428), (58, 43443), (69, 43611), (86, 44007),

Gene: Brandonk123_58 Start: 45610, Stop: 46653, Start Num: 12
Candidate Starts for Brandonk123_58:
(Start: 12 @45610 has 8 MA's), (19, 45679), (20, 45682), (23, 45688), (33, 45769), (Start: 35 @45778 has 6 MA's), (37, 45790), (39, 45817), (41, 45823), (43, 45859), (46, 45871), (62, 46075), (69, 46195), (71, 46228), (80, 46321),

Gene: Brawn1_52 Start: 44503, Stop: 45546, Start Num: 12
Candidate Starts for Brawn1_52:
(Start: 12 @44503 has 8 MA's), (19, 44572), (20, 44575), (23, 44581), (33, 44662), (Start: 35 @44671 has 6 MA's), (37, 44683), (39, 44710), (41, 44716), (43, 44752), (46, 44764), (62, 44968), (69, 45088), (71, 45121), (80, 45214),

Gene: Charming_57 Start: 45104, Stop: 46147, Start Num: 12
Candidate Starts for Charming_57:
(Start: 12 @45104 has 8 MA's), (19, 45173), (20, 45176), (23, 45182), (33, 45263), (Start: 35 @45272 has 6 MA's), (37, 45284), (39, 45311), (41, 45317), (43, 45353), (46, 45365), (62, 45569), (69, 45689), (71, 45722), (80, 45815),

Gene: Dexdert_54 Start: 41930, Stop: 42925, Start Num: 25
Candidate Starts for Dexdert_54:
(6, 41891), (Start: 24 @41924 has 1 MA's), (Start: 25 @41930 has 6 MA's), (34, 42005), (47, 42119), (61, 42278), (75, 42473), (77, 42491),

Gene: EMoore_50 Start: 44399, Stop: 45250, Start Num: 35
Candidate Starts for EMoore_50:
(1, 44021), (10, 44198), (Start: 35 @44399 has 6 MA's), (44, 44474), (53, 44549), (57, 44603), (58, 44618), (69, 44786),

Gene: EdmundFerry_51 Start: 41584, Stop: 42585, Start Num: 24
Candidate Starts for EdmundFerry_51:
(Start: 24 @41584 has 1 MA's), (Start: 25 @41590 has 6 MA's), (34, 41665), (47, 41779), (61, 41938), (75, 42133), (77, 42151),

Gene: Frokostdame_73 Start: 46067, Stop: 47071, Start Num: 8
Candidate Starts for Frokostdame_73:
(7, 46049), (Start: 8 @46067 has 1 MA's), (Start: 9 @46082 has 2 MA's), (22, 46181), (29, 46229), (30, 46232), (38, 46310), (76, 46760), (81, 46823), (82, 46874),

Gene: GTE6_53 Start: 42181, Stop: 43176, Start Num: 25
Candidate Starts for GTE6_53:
(2, 41935), (Start: 8 @42040 has 1 MA's), (16, 42142), (Start: 24 @42175 has 1 MA's), (Start: 25 @42181 has 6 MA's), (34, 42256), (47, 42370), (61, 42529), (75, 42724), (77, 42742),

Gene: Hans_54 Start: 43864, Stop: 44715, Start Num: 35
Candidate Starts for Hans_54:
(Start: 35 @43864 has 6 MA's), (44, 43939), (45, 43945), (53, 44014), (58, 44083), (69, 44251), (86, 44647),

Gene: Hyzer_85 Start: 54475, Stop: 55455, Start Num: 9
Candidate Starts for Hyzer_85:
(Start: 9 @54475 has 2 MA's), (18, 54562), (36, 54676), (51, 54808), (52, 54823), (60, 54937),

Gene: Inspectinfecti_53 Start: 44310, Stop: 45161, Start Num: 35
Candidate Starts for Inspectinfecti_53:
(Start: 35 @44310 has 6 MA's), (44, 44385), (45, 44391), (53, 44460), (57, 44514), (58, 44529), (69, 44697),

Gene: Jabberwocky_54 Start: 46231, Stop: 47274, Start Num: 12
Candidate Starts for Jabberwocky_54:
(Start: 12 @46231 has 8 MA's), (19, 46300), (20, 46303), (23, 46309), (33, 46390), (Start: 35 @46399 has 6 MA's), (37, 46411), (39, 46438), (41, 46444), (43, 46480), (46, 46492), (62, 46696), (69, 46816), (71, 46849), (80, 46942),

Gene: Lennon_56 Start: 46386, Stop: 47429, Start Num: 12
Candidate Starts for Lennon_56:
(Start: 12 @46386 has 8 MA's), (19, 46455), (20, 46458), (23, 46464), (33, 46545), (Start: 35 @46554 has 6 MA's), (37, 46566), (39, 46593), (41, 46599), (43, 46635), (46, 46647), (62, 46851), (69, 46971), (71, 47004), (80, 47097),

Gene: Leonard_52 Start: 43949, Stop: 44800, Start Num: 35

Candidate Starts for Leonard_52:
(Start: 35 @43949 has 6 MA's), (44, 44024), (45, 44030), (53, 44099), (57, 44153), (58, 44168), (69, 44336),

Gene: Lilbeanie_57 Start: 41194, Stop: 42336, Start Num: 25
Candidate Starts for Lilbeanie_57:
(3, 41005), (4, 41017), (Start: 25 @41194 has 6 MA's), (27, 41209), (28, 41218), (34, 41269), (39, 41317), (42, 41344), (65, 41614), (85, 42091),

Gene: Phinally_52 Start: 43946, Stop: 44797, Start Num: 35
Candidate Starts for Phinally_52:
(Start: 35 @43946 has 6 MA's), (44, 44021), (45, 44027), (53, 44096), (57, 44150), (58, 44165), (69, 44333),

Gene: REQ3_14 Start: 6642, Stop: 7469, Start Num: 25
Candidate Starts for REQ3_14:
(13, 6558), (Start: 25 @6642 has 6 MA's), (26, 6651), (29, 6675), (32, 6708), (34, 6717), (40, 6768), (48, 6846), (50, 6852), (68, 7104), (70, 7122), (73, 7149), (74, 7161), (79, 7230),

Gene: RiverRaider_56 Start: 43791, Stop: 44822, Start Num: 11
Candidate Starts for RiverRaider_56:
(Start: 11 @43791 has 1 MA's), (15, 43845), (17, 43866), (21, 43881), (54, 44163), (56, 44178), (59, 44232), (63, 44298), (64, 44310), (66, 44319), (67, 44328), (80, 44490), (84, 44787),

Gene: RoadKill_50 Start: 41088, Stop: 42083, Start Num: 25
Candidate Starts for RoadKill_50:
(Start: 24 @41082 has 1 MA's), (Start: 25 @41088 has 6 MA's), (34, 41163), (47, 41277), (61, 41436), (75, 41631), (77, 41649),

Gene: Rofo_56 Start: 45493, Stop: 46536, Start Num: 12
Candidate Starts for Rofo_56:
(Start: 12 @45493 has 8 MA's), (19, 45562), (20, 45565), (23, 45571), (33, 45652), (Start: 35 @45661 has 6 MA's), (37, 45673), (39, 45700), (41, 45706), (43, 45742), (46, 45754), (62, 45958), (69, 46078), (71, 46111), (80, 46204),

Gene: Sitar_56 Start: 46386, Stop: 47429, Start Num: 12
Candidate Starts for Sitar_56:
(Start: 12 @46386 has 8 MA's), (19, 46455), (20, 46458), (23, 46464), (33, 46545), (Start: 35 @46554 has 6 MA's), (37, 46566), (39, 46593), (41, 46599), (43, 46635), (46, 46647), (62, 46851), (69, 46971), (71, 47004), (80, 47097),

Gene: Sleepyhead_58 Start: 38152, Stop: 39009, Start Num: 25
Candidate Starts for Sleepyhead_58:
(5, 37978), (14, 38086), (Start: 25 @38152 has 6 MA's), (27, 38167), (29, 38185), (31, 38197), (34, 38227), (40, 38278), (49, 38359), (55, 38428), (78, 38734), (81, 38749), (83, 38830),

Gene: Tangent_57 Start: 45116, Stop: 46159, Start Num: 12
Candidate Starts for Tangent_57:
(Start: 12 @45116 has 8 MA's), (19, 45185), (20, 45188), (23, 45194), (33, 45275), (Start: 35 @45284 has 6 MA's), (37, 45296), (39, 45323), (41, 45329), (43, 45365), (46, 45377), (62, 45581), (69, 45701), (71, 45734), (80, 45827),

Gene: Tiamoceli_53 Start: 42379, Stop: 43374, Start Num: 25

Candidate Starts for Tiamoceli_53:
(Start: 24 @42373 has 1 MA's), (Start: 25 @42379 has 6 MA's), (34, 42454), (47, 42568), (61, 42727), (75, 42922), (77, 42940),

Gene: Twonlo_50 Start: 41009, Stop: 42004, Start Num: 25
Candidate Starts for Twonlo_50:
(Start: 24 @41003 has 1 MA's), (Start: 25 @41009 has 6 MA's), (34, 41084), (47, 41198), (61, 41357), (75, 41552), (77, 41570),

Gene: Vivi2_60 Start: 46593, Stop: 47636, Start Num: 12
Candidate Starts for Vivi2_60:
(Start: 12 @46593 has 8 MA's), (19, 46662), (20, 46665), (23, 46671), (33, 46752), (Start: 35 @46761 has 6 MA's), (37, 46773), (39, 46800), (41, 46806), (43, 46842), (46, 46854), (62, 47058), (69, 47178), (71, 47211), (80, 47304),

Gene: Yeezy_73 Start: 45740, Stop: 46720, Start Num: 9
Candidate Starts for Yeezy_73:
(Start: 9 @45740 has 2 MA's), (36, 45941), (51, 46073), (52, 46088), (72, 46373),