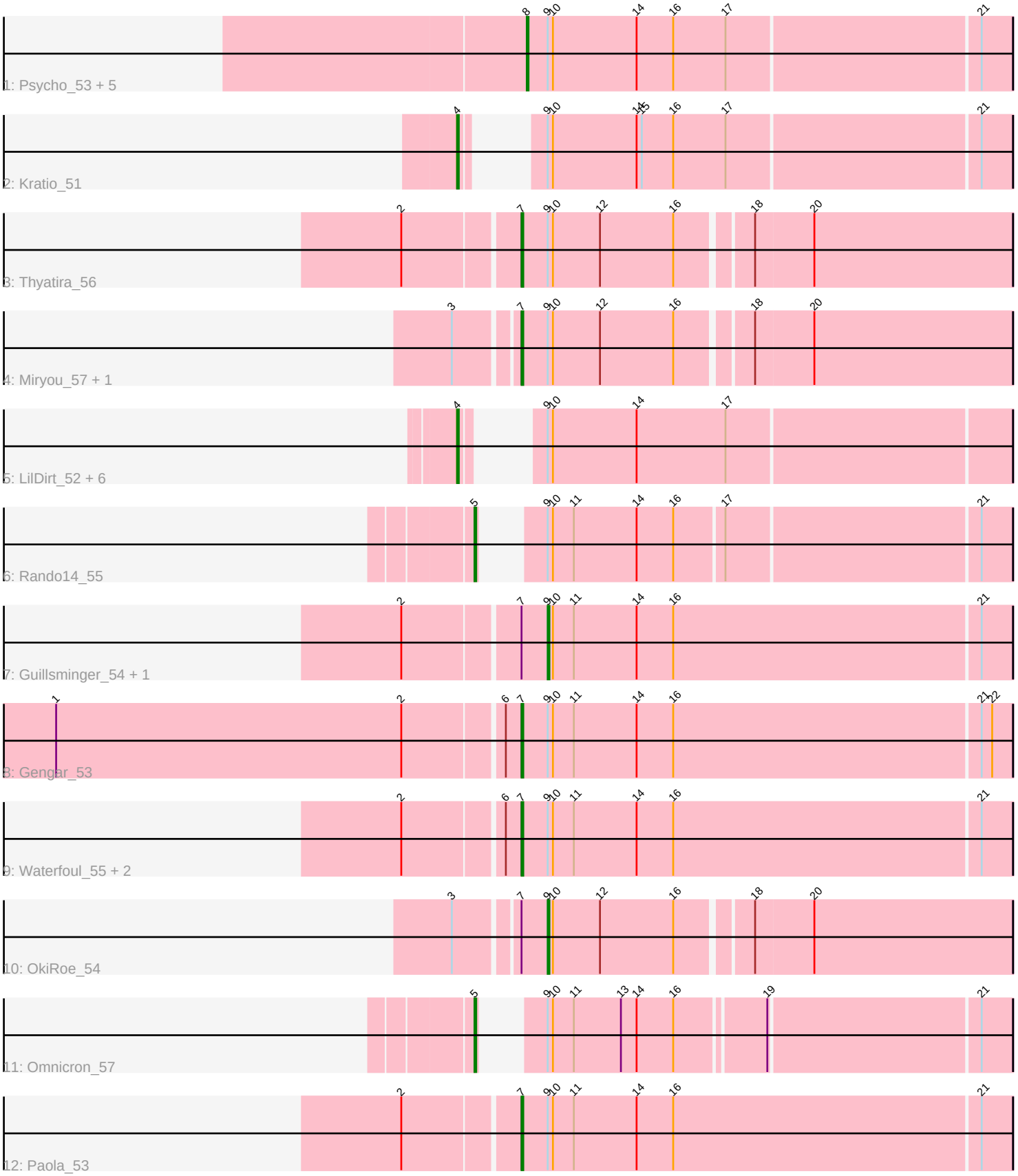
Pham 347948


1: Psycho_53 + 5
2: Kratio_51
3: Thyatira_56
4: Miryou_57 + 1
5: LilDirt_52 + 6
6: Rando14_55
7: Guillsminger_54 + 1
8: Gengar_53
9: Waterfoul_55 + 2
10: OkiRoe_54
11: Omnicron_57
12: Paola_53

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 347948 Report

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

Pham number 347948 has 27 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Psycho_53, Neighly_55, Larva_54, Edugator_52, Dadosky_55, AlleyCat_55
• Track 2 : Kratio_51
• Track 3 : Thyatira_56
• Track 4 : Miryou_57, Feyre_56
• Track 5 : LilDirt_52, BananenDer11_53, ViviJ_52, DoubleChamp_50, Collard_51, InvictusManeo_51, Agent47_53
• Track 6 : Rando14_55
• Track 7 : Guillsminger_54, Leston_53
• Track 8 : Gengar_53
• Track 9 : Waterfoul_55, SoSeph_54, Heftyboy_54
• Track 10 : OkiRoe_54
• Track 11 : Omnicron_57
• Track 12 : Paola_53

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Feyre_56, Gengar_53, Heftyboy_54, Miryou_57, Paola_53, SoSeph_54, Thyatira_56, Waterfoul_55,

Genes that have the "Most Annotated" start but do not call it:
• Guillsminger_54, Leston_53, OkiRoe_54,

Genes that do not have the "Most Annotated" start:
• Agent47_53, AlleyCat_55, BananenDer11_53, Collard_51, Dadosky_55, DoubleChamp_50, Edugator_52, InvictusManeo_51, Kratio_51, Larva_54, LilDirt_52, Neighly_55, Omnicron_57, Psycho_53, Rando14_55, ViviJ_52,

Summary by start number:

Start 4:
• Found in 8 of 27 (29.6%) of genes in pham
• Manual Annotations of this start: 7 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agent47_53 (K5), BananenDer11_53 (K5), Collard_51 (K5), DoubleChamp_50 (K5), InvictusManeo_51 (K5), Kratio_51 (K5), LilDirt_52 (K5), ViviJ_52 (K5),

Start 5:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 2 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Omnicron_57 (K5), Rando14_55 (K5),

Start 7:
• Found in 11 of 27 (40.7%) of genes in pham
• Manual Annotations of this start: 8 of 25
• Called 72.7% of time when present
• Phage (with cluster) where this start called: Feyre_56 (K5), Gengar_53 (K5), Heftyboy_54 (K5), Miryou_57 (K5), Paola_53 (K5), SoSeph_54 (K5), Thyatira_56 (K5), Waterfoul_55 (K5),

Start 8:
• Found in 6 of 27 (22.2%) of genes in pham
• Manual Annotations of this start: 5 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AlleyCat_55 (K5), Dadosky_55 (K5), Edugator_52 (K5), Larva_54 (K5), Neighly_55 (K3), Psycho_53 (K5),

Start 9:
• Found in 27 of 27 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 25
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Guillsminger_54 (K5), Leston_53 (K5), OkiRoe_54 (K5),

Summary by clusters:

There are 2 clusters represented in this pham: K3, K5,

Info for manual annotations of cluster K5:
•Start number 4 was manually annotated 7 times for cluster K5.
•Start number 5 was manually annotated 2 times for cluster K5.
•Start number 7 was manually annotated 8 times for cluster K5.
•Start number 8 was manually annotated 5 times for cluster K5.
•Start number 9 was manually annotated 3 times for cluster K5.

Gene Information:

Gene: Agent47_53 Start: 38092, Stop: 38367, Start Num: 4

Candidate Starts for Agent47_53:
(Start: 4 @38092 has 7 MA's), (Start: 9 @38107 has 3 MA's), (10, 38110), (14, 38158), (17, 38209),

Gene: AlleyCat_55 Start: 38399, Stop: 38671, Start Num: 8
Candidate Starts for AlleyCat_55:
(Start: 8 @38399 has 5 MA's), (Start: 9 @38411 has 3 MA's), (10, 38414), (14, 38462), (16, 38483), (17, 38513), (21, 38654),

Gene: BananenDer11_53 Start: 38053, Stop: 38328, Start Num: 4
Candidate Starts for BananenDer11_53:
(Start: 4 @38053 has 7 MA's), (Start: 9 @38068 has 3 MA's), (10, 38071), (14, 38119), (17, 38170),

Gene: Collard_51 Start: 38053, Stop: 38328, Start Num: 4
Candidate Starts for Collard_51:
(Start: 4 @38053 has 7 MA's), (Start: 9 @38068 has 3 MA's), (10, 38071), (14, 38119), (17, 38170),

Gene: Dadosky_55 Start: 38401, Stop: 38673, Start Num: 8
Candidate Starts for Dadosky_55:
(Start: 8 @38401 has 5 MA's), (Start: 9 @38413 has 3 MA's), (10, 38416), (14, 38464), (16, 38485), (17, 38515), (21, 38656),

Gene: DoubleChamp_50 Start: 38053, Stop: 38328, Start Num: 4
Candidate Starts for DoubleChamp_50:
(Start: 4 @38053 has 7 MA's), (Start: 9 @38068 has 3 MA's), (10, 38071), (14, 38119), (17, 38170),

Gene: Edugator_52 Start: 39822, Stop: 40094, Start Num: 8
Candidate Starts for Edugator_52:
(Start: 8 @39822 has 5 MA's), (Start: 9 @39834 has 3 MA's), (10, 39837), (14, 39885), (16, 39906), (17, 39936), (21, 40077),

Gene: Feyre_56 Start: 41781, Stop: 42053, Start Num: 7
Candidate Starts for Feyre_56:
(3, 41748), (Start: 7 @41781 has 8 MA's), (Start: 9 @41796 has 3 MA's), (10, 41799), (12, 41826), (16, 41868), (18, 41907), (20, 41940),

Gene: Gengar_53 Start: 39794, Stop: 40072, Start Num: 7
Candidate Starts for Gengar_53:
(1, 39533), (2, 39731), (6, 39785), (Start: 7 @39794 has 8 MA's), (Start: 9 @39809 has 3 MA's), (10, 39812), (11, 39824), (14, 39860), (16, 39881), (21, 40055), (22, 40061),

Gene: Guillsminger_54 Start: 39780, Stop: 40043, Start Num: 9
Candidate Starts for Guillsminger_54:
(2, 39702), (Start: 7 @39765 has 8 MA's), (Start: 9 @39780 has 3 MA's), (10, 39783), (11, 39795), (14, 39831), (16, 39852), (21, 40026),

Gene: Heftyboy_54 Start: 40137, Stop: 40415, Start Num: 7
Candidate Starts for Heftyboy_54:
(2, 40074), (6, 40128), (Start: 7 @40137 has 8 MA's), (Start: 9 @40152 has 3 MA's), (10, 40155), (11, 40167), (14, 40203), (16, 40224), (21, 40398),

Gene: InvictusManeo_51 Start: 38096, Stop: 38371, Start Num: 4
Candidate Starts for InvictusManeo_51:
(Start: 4 @38096 has 7 MA's), (Start: 9 @38111 has 3 MA's), (10, 38114), (14, 38162), (17, 38213),

Gene: Kratio_51 Start: 37838, Stop: 38113, Start Num: 4
Candidate Starts for Kratio_51:
(Start: 4 @37838 has 7 MA's), (Start: 9 @37853 has 3 MA's), (10, 37856), (14, 37904), (15, 37907), (16, 37925), (17, 37955), (21, 38096),

Gene: Larva_54 Start: 39273, Stop: 39545, Start Num: 8
Candidate Starts for Larva_54:
(Start: 8 @39273 has 5 MA's), (Start: 9 @39285 has 3 MA's), (10, 39288), (14, 39336), (16, 39357), (17, 39387), (21, 39528),

Gene: Leston_53 Start: 39909, Stop: 40172, Start Num: 9
Candidate Starts for Leston_53:
(2, 39831), (Start: 7 @39894 has 8 MA's), (Start: 9 @39909 has 3 MA's), (10, 39912), (11, 39924), (14, 39960), (16, 39981), (21, 40155),

Gene: LilDirt_52 Start: 37854, Stop: 38129, Start Num: 4
Candidate Starts for LilDirt_52:
(Start: 4 @37854 has 7 MA's), (Start: 9 @37869 has 3 MA's), (10, 37872), (14, 37920), (17, 37971),

Gene: Miryou_57 Start: 42497, Stop: 42769, Start Num: 7
Candidate Starts for Miryou_57:
(3, 42464), (Start: 7 @42497 has 8 MA's), (Start: 9 @42512 has 3 MA's), (10, 42515), (12, 42542), (16, 42584), (18, 42623), (20, 42656),

Gene: Neighly_55 Start: 39272, Stop: 39544, Start Num: 8
Candidate Starts for Neighly_55:
(Start: 8 @39272 has 5 MA's), (Start: 9 @39284 has 3 MA's), (10, 39287), (14, 39335), (16, 39356), (17, 39386), (21, 39527),

Gene: OkiRoe_54 Start: 40183, Stop: 40440, Start Num: 9
Candidate Starts for OkiRoe_54:
(3, 40135), (Start: 7 @40168 has 8 MA's), (Start: 9 @40183 has 3 MA's), (10, 40186), (12, 40213), (16, 40255), (18, 40294), (20, 40327),

Gene: Omnicron_57 Start: 40271, Stop: 40540, Start Num: 5
Candidate Starts for Omnicron_57:
(Start: 5 @40271 has 2 MA's), (Start: 9 @40286 has 3 MA's), (10, 40289), (11, 40301), (13, 40328), (14, 40337), (16, 40358), (19, 40406), (21, 40523),

Gene: Paola_53 Start: 39765, Stop: 40043, Start Num: 7
Candidate Starts for Paola_53:
(2, 39702), (Start: 7 @39765 has 8 MA's), (Start: 9 @39780 has 3 MA's), (10, 39783), (11, 39795), (14, 39831), (16, 39852), (21, 40026),

Gene: Psycho_53 Start: 38398, Stop: 38670, Start Num: 8
Candidate Starts for Psycho_53:
(Start: 8 @38398 has 5 MA's), (Start: 9 @38410 has 3 MA's), (10, 38413), (14, 38461), (16, 38482), (17, 38512), (21, 38653),

Gene: Rando14_55 Start: 37968, Stop: 38240, Start Num: 5
Candidate Starts for Rando14_55:

(Start: 5 @37968 has 2 MA's), (Start: 9 @37983 has 3 MA's), (10, 37986), (11, 37998), (14, 38034), (16, 38055), (17, 38082), (21, 38223),

Gene: SoSeph_54 Start: 40137, Stop: 40415, Start Num: 7
Candidate Starts for SoSeph_54:
(2, 40074), (6, 40128), (Start: 7 @40137 has 8 MA's), (Start: 9 @40152 has 3 MA's), (10, 40155), (11, 40167), (14, 40203), (16, 40224), (21, 40398),

Gene: Thyatira_56 Start: 42101, Stop: 42373, Start Num: 7
Candidate Starts for Thyatira_56:
(2, 42038), (Start: 7 @42101 has 8 MA's), (Start: 9 @42116 has 3 MA's), (10, 42119), (12, 42146), (16, 42188), (18, 42227), (20, 42260),

Gene: ViviJ_52 Start: 37853, Stop: 38128, Start Num: 4
Candidate Starts for ViviJ_52:
(Start: 4 @37853 has 7 MA's), (Start: 9 @37868 has 3 MA's), (10, 37871), (14, 37919), (17, 37970),

Gene: Waterfoul_55 Start: 40199, Stop: 40477, Start Num: 7
Candidate Starts for Waterfoul_55:
(2, 40136), (6, 40190), (Start: 7 @40199 has 8 MA's), (Start: 9 @40214 has 3 MA's), (10, 40217), (11, 40229), (14, 40265), (16, 40286), (21, 40460),