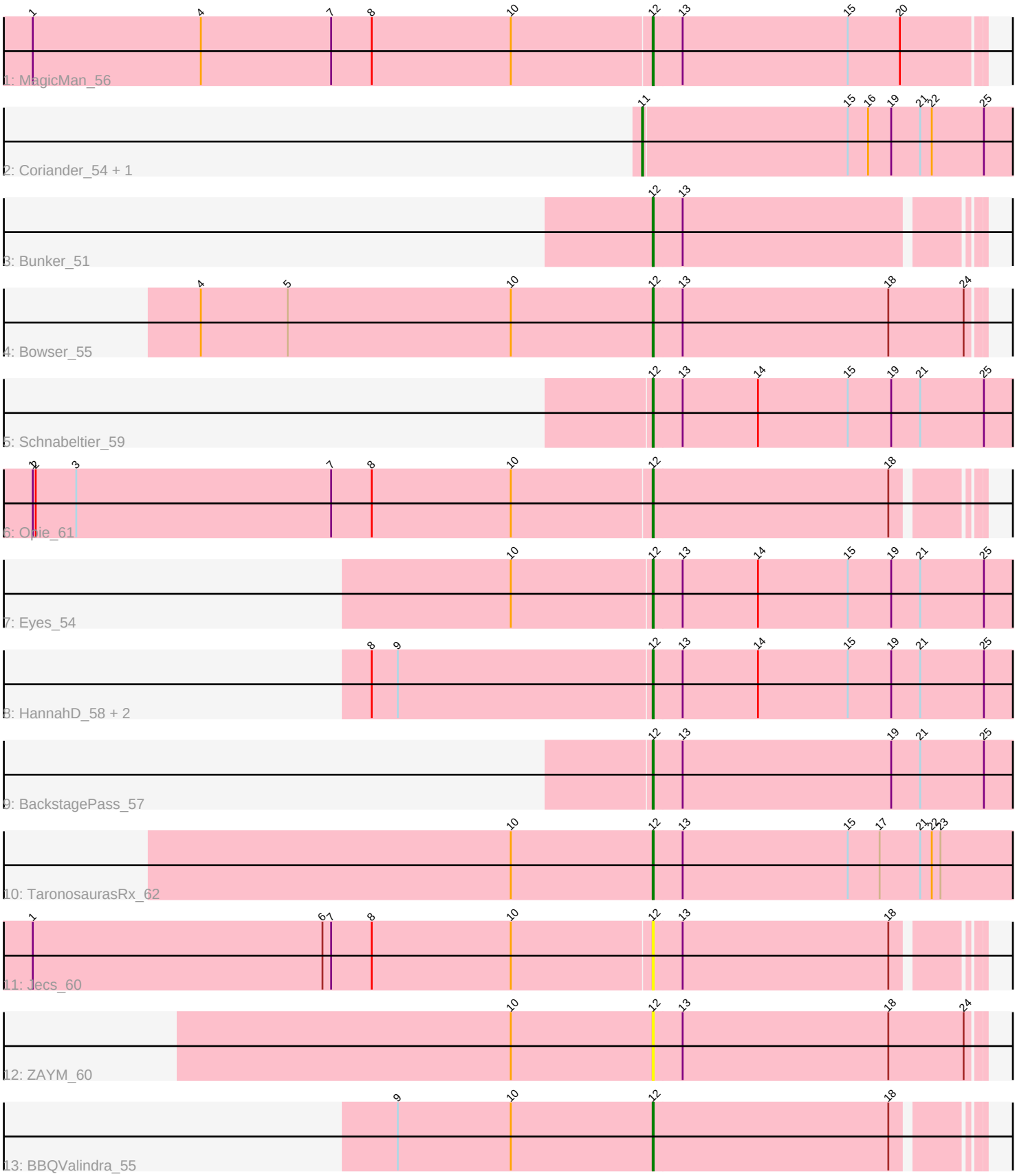
Pham 346242


1: MagicMan_56
2: Coriander_54 + 1
3: Bunker_51
4: Bowser_55
5: Schnabeltier_59
6: Obie_61
7: Eyes_54
8: HannahD_58 + 2
9: BackstagePass_57
10: TaronosaurasRx_62
11: Jecs_60
12: ZAYM_60
13: BBQValindra_55

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 346242 Report

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

Pham number 346242 has 16 members, 3 are drafts.

Phages represented in each track:
• Track 1 : MagicMan_56
• Track 2 : Coriander_54, Doggs_52
• Track 3 : Bunker_51
• Track 4 : Bowser_55
• Track 5 : Schnabeltier_59
• Track 6 : Opie_61
• Track 7 : Eyes_54
• Track 8 : HannahD_58, NaLuna_59, GEazy_61
• Track 9 : BackstagePass_57
• Track 10 : TaronosaurasRx_62
• Track 11 : Jecs_60
• Track 12 : ZAYM_60
• Track 13 : BBQValindra_55

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 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BBQValindra_55, BackstagePass_57, Bowser_55, Bunker_51, Eyes_54, GEazy_61, HannahD_58, Jecs_60, MagicMan_56, NaLuna_59, Opie_61, Schnabeltier_59, TaronosaurasRx_62, ZAYM_60,

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

Genes that do not have the "Most Annotated" start:
• Coriander_54, Doggs_52,

Summary by start number:

Start 11:
• Found in 2 of 16 (12.5%) of genes in pham

• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Coriander_54 (DB), Doggs_52 (DB),

Start 12:
• Found in 14 of 16 (87.5%) of genes in pham
• Manual Annotations of this start: 11 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_55 (DB), BackstagePass_57 (DB), Bowser_55 (DB), Bunker_51 (DB), Eyes_54 (DB), GEazy_61 (DB), HannahD_58 (DB), Jecs_60 (DB), MagicMan_56 (DB), NaLuna_59 (DB), Opie_61 (DB), Schnabeltier_59 (DB), TaronosaurasRx_62 (DB), ZAYM_60 (DB),

Summary by clusters:

There is one cluster represented in this pham: DB

Info for manual annotations of cluster DB:
•Start number 11 was manually annotated 2 times for cluster DB.
•Start number 12 was manually annotated 11 times for cluster DB.

Gene Information:

Gene: BBQValindra_55 Start: 39865, Stop: 40185, Start Num: 12
Candidate Starts for BBQValindra_55:
(9, 39601), (10, 39718), (Start: 12 @39865 has 11 MA's), (18, 40108),

Gene: BackstagePass_57 Start: 39231, Stop: 39605, Start Num: 12
Candidate Starts for BackstagePass_57:
(Start: 12 @39231 has 11 MA's), (13, 39261), (19, 39477), (21, 39507), (25, 39573),

Gene: Bowser_55 Start: 39573, Stop: 39911, Start Num: 12
Candidate Starts for Bowser_55:
(4, 39105), (5, 39195), (10, 39426), (Start: 12 @39573 has 11 MA's), (13, 39603), (18, 39816), (24, 39894),

Gene: Bunker_51 Start: 38172, Stop: 38492, Start Num: 12
Candidate Starts for Bunker_51:
(Start: 12 @38172 has 11 MA's), (13, 38202),

Gene: Coriander_54 Start: 38252, Stop: 38635, Start Num: 11
Candidate Starts for Coriander_54:
(Start: 11 @38252 has 2 MA's), (15, 38462), (16, 38483), (19, 38507), (21, 38537), (22, 38549), (25, 38603),

Gene: Doggs_52 Start: 38571, Stop: 38954, Start Num: 11
Candidate Starts for Doggs_52:
(Start: 11 @38571 has 2 MA's), (15, 38781), (16, 38802), (19, 38826), (21, 38856), (22, 38868), (25, 38922),

Gene: Eyes_54 Start: 39592, Stop: 39966, Start Num: 12
Candidate Starts for Eyes_54:
(10, 39448), (Start: 12 @39592 has 11 MA's), (13, 39622), (14, 39700), (15, 39793), (19, 39838), (21, 39868), (25, 39934),

Gene: GEazy_61 Start: 39774, Stop: 40148, Start Num: 12
Candidate Starts for GEazy_61:
(8, 39486), (9, 39513), (Start: 12 @39774 has 11 MA's), (13, 39804), (14, 39882), (15, 39975), (19, 40020), (21, 40050), (25, 40116),

Gene: HannahD_58 Start: 39141, Stop: 39515, Start Num: 12
Candidate Starts for HannahD_58:
(8, 38853), (9, 38880), (Start: 12 @39141 has 11 MA's), (13, 39171), (14, 39249), (15, 39342), (19, 39387), (21, 39417), (25, 39483),

Gene: Jecs_60 Start: 40031, Stop: 40351, Start Num: 12
Candidate Starts for Jecs_60:
(1, 39392), (6, 39692), (7, 39701), (8, 39743), (10, 39887), (Start: 12 @40031 has 11 MA's), (13, 40061), (18, 40274),

Gene: MagicMan_56 Start: 39627, Stop: 39965, Start Num: 12
Candidate Starts for MagicMan_56:
(1, 38988), (4, 39162), (7, 39297), (8, 39339), (10, 39483), (Start: 12 @39627 has 11 MA's), (13, 39657), (15, 39828), (20, 39882),

Gene: NaLuna_59 Start: 39141, Stop: 39515, Start Num: 12
Candidate Starts for NaLuna_59:
(8, 38853), (9, 38880), (Start: 12 @39141 has 11 MA's), (13, 39171), (14, 39249), (15, 39342), (19, 39387), (21, 39417), (25, 39483),

Gene: Opie_61 Start: 40907, Stop: 41227, Start Num: 12
Candidate Starts for Opie_61:
(1, 40268), (2, 40271), (3, 40313), (7, 40577), (8, 40619), (10, 40763), (Start: 12 @40907 has 11 MA's), (18, 41150),

Gene: Schnabeltier_59 Start: 40175, Stop: 40549, Start Num: 12
Candidate Starts for Schnabeltier_59:
(Start: 12 @40175 has 11 MA's), (13, 40205), (14, 40283), (15, 40376), (19, 40421), (21, 40451), (25, 40517),

Gene: TaronosaurasRx_62 Start: 40175, Stop: 40549, Start Num: 12
Candidate Starts for TaronosaurasRx_62:
(10, 40028), (Start: 12 @40175 has 11 MA's), (13, 40205), (15, 40376), (17, 40409), (21, 40451), (22, 40463), (23, 40472),

Gene: ZAYM_60 Start: 39924, Stop: 40262, Start Num: 12
Candidate Starts for ZAYM_60:
(10, 39777), (Start: 12 @39924 has 11 MA's), (13, 39954), (18, 40167), (24, 40245),