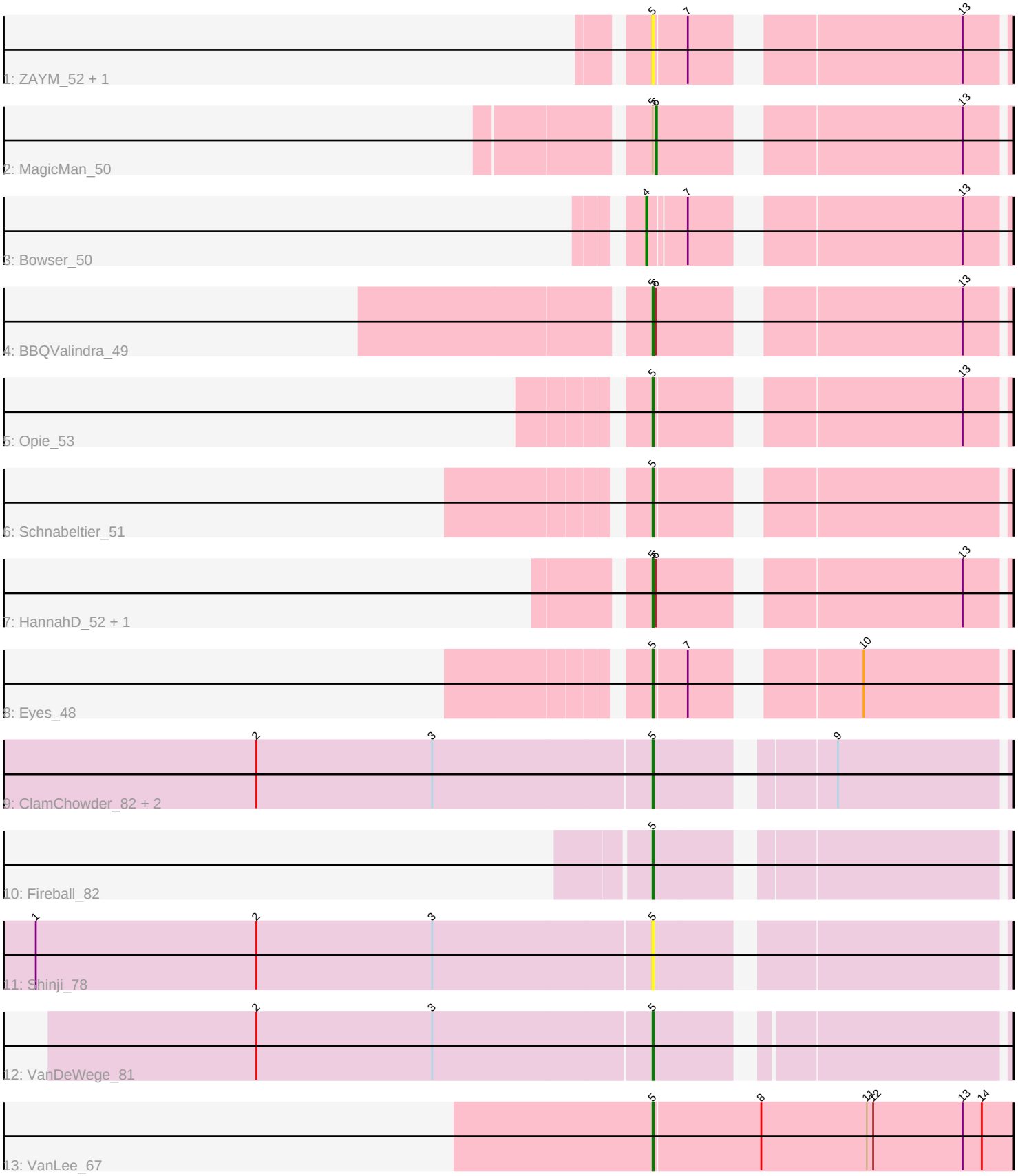
Pham 200677


5
7
13
1: ZAYM_52 + 1
5
6
13
2: MagicMan_50
4
7
13
3: Bowser_50
5
6
13
4: BBQValindra_49
5
13
5: Opie_53
5
6: Schnabeltier_51
5
6
13
7: HannahD_52 + 1
5
7
10
8: Eyes_48
2
3
5
9
9: ClamChowder_82 + 2
5
10: Fireball_82
1
2
3
5
11: Shinji_78
2
3
5
12: VanDeWege_81
5
8
11
12
13
14
13: VanLee_67

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 200677 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200677 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : ZAYM_52, TaronosaurasRx_56
• Track 2 : MagicMan_50
• Track 3 : Bowser_50
• Track 4 : BBQValindra_49
• Track 5 : Opie_53
• Track 6 : Schnabeltier_51
• Track 7 : HannahD_52, GEazy_55
• Track 8 : Eyes_48
• Track 9 : ClamChowder_82, Fugax_83, Barb_82
• Track 10 : Fireball_82
• Track 11 : Shinji_78
• Track 12 : VanDeWege_81
• Track 13 : VanLee_67

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

The start number called the most often in the published annotations is 5, it was called in 12 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BBQValindra_49, Barb_82, ClamChowder_82, Eyes_48, Fireball_82, Fugax_83, GEazy_55, HannahD_52, Opie_53, Schnabeltier_51, Shinji_78, TaronosaurasRx_56, VanDeWege_81, VanLee_67, ZAYM_52,

Genes that have the "Most Annotated" start but do not call it:
• MagicMan_50,

Genes that do not have the "Most Annotated" start:
• Bowser_50,

Summary by start number:

Start 4:
• Found in 1 of 17 (5.9%) of genes in pham

• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bowser_50 (DB),

Start 5:
• Found in 16 of 17 (94.1%) of genes in pham
• Manual Annotations of this start: 12 of 14
• Called 93.8% of time when present
• Phage (with cluster) where this start called: BBQValindra_49 (DB), Barb_82 (DC1), ClamChowder_82 (DC1), Eyes_48 (DB), Fireball_82 (DC1), Fugax_83 (DC1), GEazy_55 (DB), HannahD_52 (DB), Opie_53 (DB), Schnabeltier_51 (DB), Shinji_78 (DC1), TaronosaurasRx_56 (DB), VanDeWege_81 (DC1), VanLee_67 (singleton), ZAYM_52 (DB),

Start 6:
• Found in 4 of 17 (23.5%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 25.0% of time when present
• Phage (with cluster) where this start called: MagicMan_50 (DB),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DB, DC1,

Info for manual annotations of cluster DB:
•Start number 4 was manually annotated 1 time for cluster DB.
•Start number 5 was manually annotated 6 times for cluster DB.
•Start number 6 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DC1:
•Start number 5 was manually annotated 5 times for cluster DC1.

Gene Information:

Gene: BBQValindra_49 Start: 36026, Stop: 36406, Start Num: 5
Candidate Starts for BBQValindra_49:
(Start: 5 @36026 has 12 MA's), (Start: 6 @36029 has 1 MA's), (13, 36284),

Gene: Barb_82 Start: 53127, Stop: 53516, Start Num: 5
Candidate Starts for Barb_82:
(2, 52761), (3, 52926), (Start: 5 @53127 has 12 MA's), (9, 53268),

Gene: Bowser_50 Start: 35722, Stop: 36102, Start Num: 4
Candidate Starts for Bowser_50:
(Start: 4 @35722 has 1 MA's), (7, 35755), (13, 35980),

Gene: ClamChowder_82 Start: 53127, Stop: 53516, Start Num: 5
Candidate Starts for ClamChowder_82:
(2, 52761), (3, 52926), (Start: 5 @53127 has 12 MA's), (9, 53268),

Gene: Eyes_48 Start: 35683, Stop: 36063, Start Num: 5

Candidate Starts for Eyes_48:
(Start: 5 @35683 has 12 MA's), (7, 35713), (10, 35845),

Gene: Fireball_82 Start: 53252, Stop: 53641, Start Num: 5
Candidate Starts for Fireball_82:
(Start: 5 @53252 has 12 MA's),

Gene: Fugax_83 Start: 53119, Stop: 53508, Start Num: 5
Candidate Starts for Fugax_83:
(2, 52753), (3, 52918), (Start: 5 @53119 has 12 MA's), (9, 53260),

Gene: GEazy_55 Start: 36162, Stop: 36542, Start Num: 5
Candidate Starts for GEazy_55:
(Start: 5 @36162 has 12 MA's), (Start: 6 @36165 has 1 MA's), (13, 36420),

Gene: HannahD_52 Start: 35529, Stop: 35909, Start Num: 5
Candidate Starts for HannahD_52:
(Start: 5 @35529 has 12 MA's), (Start: 6 @35532 has 1 MA's), (13, 35787),

Gene: MagicMan_50 Start: 35795, Stop: 36172, Start Num: 6
Candidate Starts for MagicMan_50:
(Start: 5 @35792 has 12 MA's), (Start: 6 @35795 has 1 MA's), (13, 36050),

Gene: Opie_53 Start: 36511, Stop: 36888, Start Num: 5
Candidate Starts for Opie_53:
(Start: 5 @36511 has 12 MA's), (13, 36766),

Gene: Schnabeltier_51 Start: 35759, Stop: 36136, Start Num: 5
Candidate Starts for Schnabeltier_51:
(Start: 5 @35759 has 12 MA's),

Gene: Shinji_78 Start: 52301, Stop: 52693, Start Num: 5
Candidate Starts for Shinji_78:
(1, 51728), (2, 51935), (3, 52100), (Start: 5 @52301 has 12 MA's),

Gene: TaronosaurasRx_56 Start: 35309, Stop: 35686, Start Num: 5
Candidate Starts for TaronosaurasRx_56:
(Start: 5 @35309 has 12 MA's), (7, 35339), (13, 35564),

Gene: VanDeWege_81 Start: 52957, Stop: 53343, Start Num: 5
Candidate Starts for VanDeWege_81:
(2, 52591), (3, 52756), (Start: 5 @52957 has 12 MA's),

Gene: VanLee_67 Start: 42424, Stop: 42873, Start Num: 5
Candidate Starts for VanLee_67:
(Start: 5 @42424 has 12 MA's), (8, 42523), (11, 42622), (12, 42628), (13, 42712), (14, 42730),

Gene: ZAYM_52 Start: 35058, Stop: 35435, Start Num: 5
Candidate Starts for ZAYM_52:
(Start: 5 @35058 has 12 MA's), (7, 35088), (13, 35313),