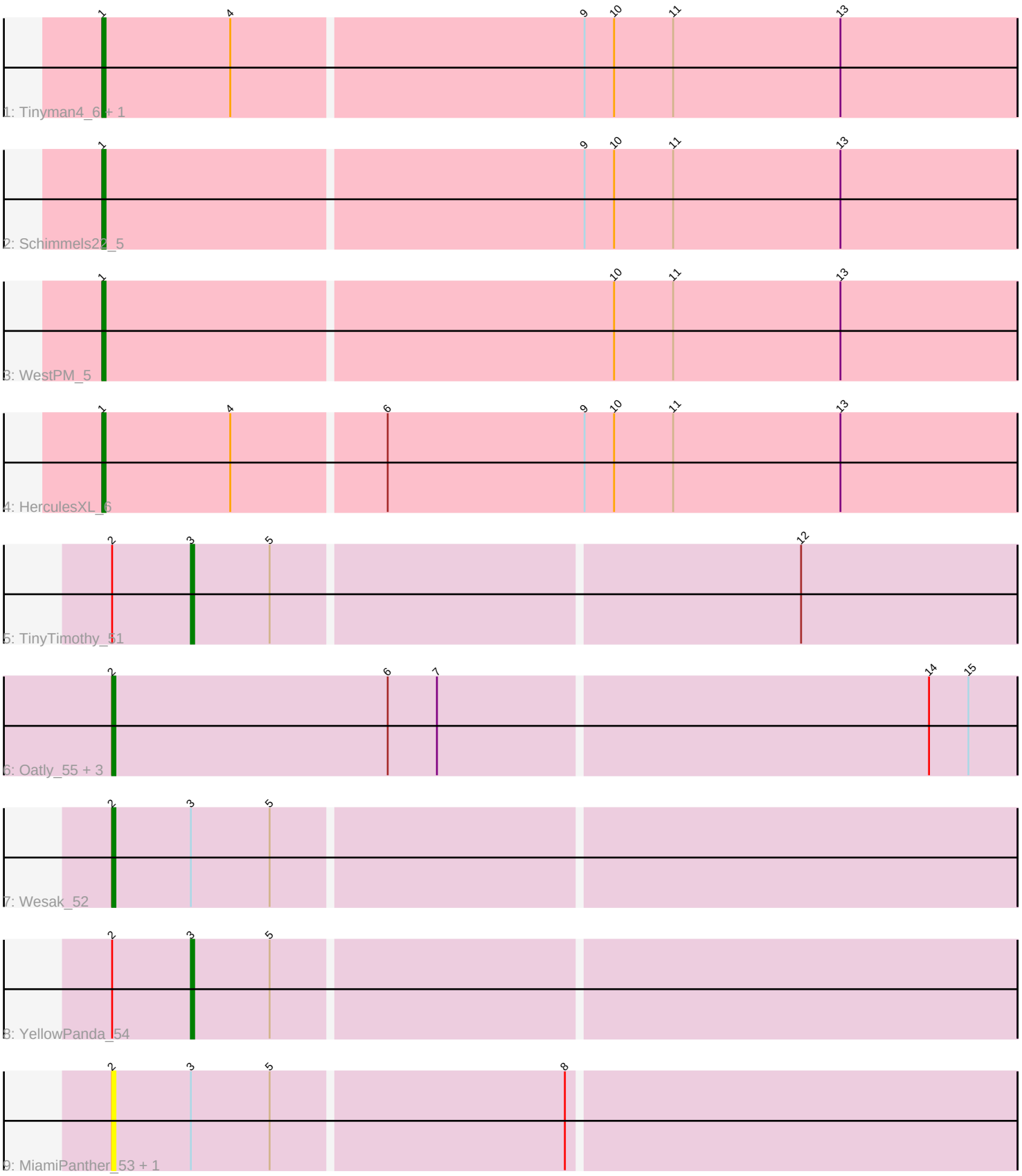
Pham 200728


1
4
9
10
11
13
1: Tinyman4_6 + 1
1
9
10
11
13
2: Schimmels22_5
1
10
11
13
3: WestPM_5
1
4
6
9
10
11
13
4: HerculesXL_6
2
3
5
12
5: TinyTimothy_51
2
6
7
14
15
6: Oatly_55 + 3
2
3
5
7: Wesak_52
2
3
5
8: YellowPanda_54
2
3
5
8
9: MiamiPanther_53 + 1

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 200728 Report

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

Pham number 200728 has 14 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Tinyman4_6, Scissor2024_6
• Track 2 : Schimmels22_5
• Track 3 : WestPM_5
• Track 4 : HerculesXL_6
• Track 5 : TinyTimothy_51
• Track 6 : Oatly_55, CrunchyBoi_56, HitchHiker_56, PineapplePluto_56
• Track 7 : Wesak_52
• Track 8 : YellowPanda_54
• Track 9 : MiamiPanther_53, JessellCookie_54

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• HerculesXL_6, Schimmels22_5, Scissor2024_6, Tinyman4_6, WestPM_5,

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

Genes that do not have the "Most Annotated" start:
• CrunchyBoi_56, HitchHiker_56, JessellCookie_54, MiamiPanther_53, Oatly_55, PineapplePluto_56, TinyTimothy_51, Wesak_52, YellowPanda_54,

Summary by start number:

Start 1:
• Found in 5 of 14 (35.7%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HerculesXL_6 (EA11), Schimmels22_5 (EA11), Scissor2024_6 (EA11), Tinyman4_6 (EA11), WestPM_5 (EA11),

Start 2:
• Found in 9 of 14 (64.3%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 77.8% of time when present
• Phage (with cluster) where this start called: CrunchyBoi_56 (EK1), HitchHiker_56 (EK1), JessellCookie_54 (EK1), MiamiPanther_53 (EK1), Oatly_55 (EK1), PineapplePluto_56 (EK1), Wesak_52 (EK1),

Start 3:
• Found in 5 of 14 (35.7%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 40.0% of time when present
• Phage (with cluster) where this start called: TinyTimothy_51 (EK1), YellowPanda_54 (EK1),

Summary by clusters:

There are 2 clusters represented in this pham: EA11, EK1,

Info for manual annotations of cluster EA11:
•Start number 1 was manually annotated 4 times for cluster EA11.

Info for manual annotations of cluster EK1:
•Start number 2 was manually annotated 4 times for cluster EK1.
•Start number 3 was manually annotated 2 times for cluster EK1.

Gene Information:

Gene: CrunchyBoi_56 Start: 52939, Stop: 53211, Start Num: 2
Candidate Starts for CrunchyBoi_56:
(Start: 2 @52939 has 4 MA's), (6, 53023), (7, 53038), (14, 53185), (15, 53197),

Gene: HerculesXL_6 Start: 3738, Stop: 4013, Start Num: 1
Candidate Starts for HerculesXL_6:
(Start: 1 @3738 has 4 MA's), (4, 3777), (6, 3822), (9, 3882), (10, 3891), (11, 3909), (13, 3960),

Gene: HitchHiker_56 Start: 53084, Stop: 53356, Start Num: 2
Candidate Starts for HitchHiker_56:
(Start: 2 @53084 has 4 MA's), (6, 53168), (7, 53183), (14, 53330), (15, 53342),

Gene: JessellCookie_54 Start: 53076, Stop: 53345, Start Num: 2
Candidate Starts for JessellCookie_54:
(Start: 2 @53076 has 4 MA's), (Start: 3 @53100 has 2 MA's), (5, 53124), (8, 53211),

Gene: MiamiPanther_53 Start: 53073, Stop: 53342, Start Num: 2
Candidate Starts for MiamiPanther_53:
(Start: 2 @53073 has 4 MA's), (Start: 3 @53097 has 2 MA's), (5, 53121), (8, 53208),

Gene: Oatly_55 Start: 52644, Stop: 52916, Start Num: 2
Candidate Starts for Oatly_55:
(Start: 2 @52644 has 4 MA's), (6, 52728), (7, 52743), (14, 52890), (15, 52902),

Gene: PineapplePluto_56 Start: 53007, Stop: 53279, Start Num: 2
Candidate Starts for PineapplePluto_56:
(Start: 2 @53007 has 4 MA's), (6, 53091), (7, 53106), (14, 53253), (15, 53265),

Gene: Schimmels22_5 Start: 3579, Stop: 3854, Start Num: 1
Candidate Starts for Schimmels22_5:
(Start: 1 @3579 has 4 MA's), (9, 3723), (10, 3732), (11, 3750), (13, 3801),

Gene: Scissor2024_6 Start: 3738, Stop: 4013, Start Num: 1
Candidate Starts for Scissor2024_6:
(Start: 1 @3738 has 4 MA's), (4, 3777), (9, 3882), (10, 3891), (11, 3909), (13, 3960),

Gene: TinyTimothy_51 Start: 53085, Stop: 53330, Start Num: 3
Candidate Starts for TinyTimothy_51:
(Start: 2 @53061 has 4 MA's), (Start: 3 @53085 has 2 MA's), (5, 53109), (12, 53265),

Gene: Tinyman4_6 Start: 3738, Stop: 4013, Start Num: 1
Candidate Starts for Tinyman4_6:
(Start: 1 @3738 has 4 MA's), (4, 3777), (9, 3882), (10, 3891), (11, 3909), (13, 3960),

Gene: Wesak_52 Start: 52918, Stop: 53187, Start Num: 2
Candidate Starts for Wesak_52:
(Start: 2 @52918 has 4 MA's), (Start: 3 @52942 has 2 MA's), (5, 52966),

Gene: WestPM_5 Start: 3579, Stop: 3854, Start Num: 1
Candidate Starts for WestPM_5:
(Start: 1 @3579 has 4 MA's), (10, 3732), (11, 3750), (13, 3801),

Gene: YellowPanda_54 Start: 52811, Stop: 53056, Start Num: 3
Candidate Starts for YellowPanda_54:
(Start: 2 @52787 has 4 MA's), (Start: 3 @52811 has 2 MA's), (5, 52835),