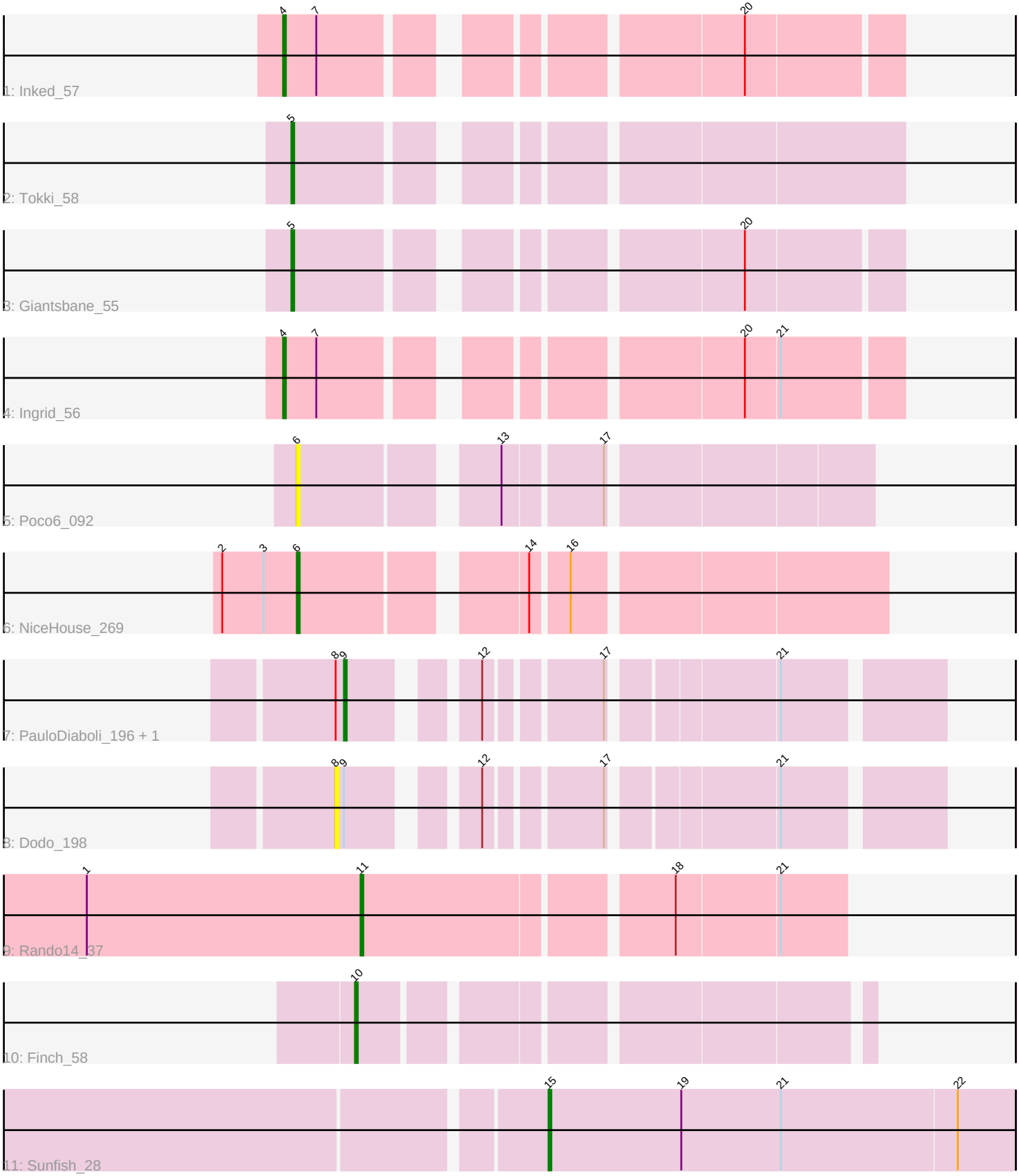
Pham 216728


4
7
20
1: Inked_57
5
2: Tokki_58
5
20
3: Giantsbane_55
4
7
20
21
4: Ingrid_56
6
13
17
5: Poco6_092
2
3
6
14
16
6: NiceHouse_269
8
9
12
17
21
7: PauloDiaboli_196 + 1
8
9
12
17
21
8: Dodo_198
1
11
18
21
9: Rando14_37
10
10: Finch_58
15
19
21
22
11: Sunfish_28

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 216728 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216728 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Inked_57
• Track 2 : Tokki_58
• Track 3 : Giantsbane_55
• Track 4 : Ingrid_56
• Track 5 : Poco6_092
• Track 6 : NiceHouse_269
• Track 7 : PauloDiaboli_196, A3Wally_197
• Track 8 : Dodo_198
• Track 9 : Rando14_37
• Track 10 : Finch_58
• Track 11 : Sunfish_28

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

The start number called the most often in the published annotations is 9, it was called in 2 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_197, PauloDiaboli_196,

Genes that have the "Most Annotated" start but do not call it:
• Dodo_198,

Genes that do not have the "Most Annotated" start:
• Finch_58, Giantsbane_55, Ingrid_56, Inked_57, NiceHouse_269, Poco6_092, Rando14_37, Sunfish_28, Tokki_58,

Summary by start number:

Start 4:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ingrid_56 (AU3), Inked_57 (AU),

Start 5:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Giantsbane_55 (AU2), Tokki_58 (AU2),

Start 6:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_269 (CE), Poco6_092 (CC),

Start 8:
• Found in 3 of 12 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Dodo_198 (GD1),

Start 9:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 66.7% of time when present
• Phage (with cluster) where this start called: A3Wally_197 (GD1), PauloDiaboli_196 (GD1),

Start 10:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finch_58 (singleton),

Start 11:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rando14_37 (K5),

Start 15:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sunfish_28 (singleton),

Summary by clusters:

There are 8 clusters represented in this pham: GD1, singleton, CC, CE, AU3, AU2, AU, K5,

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

Info for manual annotations of cluster AU2:

•Start number 5 was manually annotated 2 times for cluster AU2.

Info for manual annotations of cluster AU3:
•Start number 4 was manually annotated 1 time for cluster AU3.

Info for manual annotations of cluster CE:
•Start number 6 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster GD1:
•Start number 9 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster K5:
•Start number 11 was manually annotated 1 time for cluster K5.

Gene Information:

Gene: A3Wally_197 Start: 109106, Stop: 109285, Start Num: 9
Candidate Starts for A3Wally_197:
(8, 109103), (Start: 9 @109106 has 2 MA's), (12, 109142), (17, 109178), (21, 109232),

Gene: Dodo_198 Start: 108714, Stop: 108896, Start Num: 8
Candidate Starts for Dodo_198:
(8, 108714), (Start: 9 @108717 has 2 MA's), (12, 108753), (17, 108789), (21, 108843),

Gene: Finch_58 Start: 47919, Stop: 48083, Start Num: 10
Candidate Starts for Finch_58:
(Start: 10 @47919 has 1 MA's),

Gene: Giantsbane_55 Start: 36034, Stop: 36225, Start Num: 5
Candidate Starts for Giantsbane_55:
(Start: 5 @36034 has 2 MA's), (20, 36172),

Gene: Ingrid_56 Start: 36844, Stop: 37038, Start Num: 4
Candidate Starts for Ingrid_56:
(Start: 4 @36844 has 2 MA's), (7, 36856), (20, 36985), (21, 36997),

Gene: Inked_57 Start: 37966, Stop: 38160, Start Num: 4
Candidate Starts for Inked_57:
(Start: 4 @37966 has 2 MA's), (7, 37978), (20, 38107),

Gene: NiceHouse_269 Start: 134061, Stop: 134252, Start Num: 6
Candidate Starts for NiceHouse_269:
(2, 134034), (3, 134049), (Start: 6 @134061 has 1 MA's), (14, 134133), (16, 134145),

Gene: PauloDiaboli_196 Start: 107152, Stop: 107331, Start Num: 9
Candidate Starts for PauloDiaboli_196:
(8, 107149), (Start: 9 @107152 has 2 MA's), (12, 107188), (17, 107224), (21, 107278),

Gene: Poco6_092 Start: 48067, Stop: 48252, Start Num: 6
Candidate Starts for Poco6_092:

(Start: 6 @48067 has 1 MA's), (13, 48130), (17, 48163),

Gene: Rando14_37 Start: 29193, Stop: 29357, Start Num: 11
Candidate Starts for Rando14_37:
(1, 29094), (Start: 11 @29193 has 1 MA's), (18, 29298), (21, 29334),

Gene: Sunfish_28 Start: 13980, Stop: 14147, Start Num: 15
Candidate Starts for Sunfish_28:
(Start: 15 @13980 has 1 MA's), (19, 14028), (21, 14064), (22, 14127),

Gene: Tokki_58 Start: 37146, Stop: 37340, Start Num: 5
Candidate Starts for Tokki_58:
(Start: 5 @37146 has 2 MA's),