Pham 224815


1: Ranunculus_59
2: Pointis_64 + 5
3: Odyssey395_67
4: Forrestell_63
5: DogYard_64
6: Pureglobe5_66
7: Ollypop_61
8: BruhMoment_50
9: MidnightRain_97
10: Sakai_87 + 3
11: MUWow_91
12: Isolde_91
13: Faja_91
14: Anekin_90
15: Persistence_85
16: Globfish_89 + 1
17: BenchScraper_90
18: ChuckDuck_56
19: Alatato_43

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 224815 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224815 has 28 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Ranunculus_59
• Track 2 : Pointis_64, Kubulix_64, MellowYellow_67, NyleyClemson_66, Beagle_67, RazzB_63
• Track 3 : Odyssey395_67
• Track 4 : Forrestell_63
• Track 5 : DogYard_64
• Track 6 : Pureglobe5_66
• Track 7 : Ollypop_61
• Track 8 : BruhMoment_50
• Track 9 : MidnightRain_97
• Track 10 : Sakai_87, Seahorse_96, Richie_93, Gorpy_88
• Track 11 : MUWow_91
• Track 12 : Isolde_91
• Track 13 : Faja_91
• Track 14 : Anekin_90
• Track 15 : Persistence_85
• Track 16 : Globfish_89, SpicyFrank_92
• Track 17 : BenchScraper_90
• Track 18 : ChuckDuck_56
• Track 19 : Alatato_43

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 17 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anekin_90, Beagle_67, BenchScraper_90, ChuckDuck_56, DogYard_64, Faja_91, Forrestell_63, Globfish_89, Gorpy_88, Isolde_91, Kubulix_64, MUWow_91, MellowYellow_67, MidnightRain_97, NyleyClemson_66, Odyssey395_67, Ollypop_61, Persistence_85, Pointis_64, Pureglobe5_66, Ranunculus_59, RazzB_63, Richie_93, Sakai_87, Seahorse_96, SpicyFrank_92,

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

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Genes that do not have the "Most Annotated" start:
• Alatato_43, BruhMoment_50,

Summary by start number:

Start 5:
• Found in 1 of 28 (3.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_43 (FB),

Start 6:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_50 (AP3),

Start 7:
• Found in 26 of 28 (92.9%) of genes in pham
• Manual Annotations of this start: 17 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anekin_90 (AY), Beagle_67 (AP2), BenchScraper_90 (AY), ChuckDuck_56 (FA), DogYard_64 (AP2), Faja_91 (AY), Forrestell_63 (AP2), Globfish_89 (AY), Gorpy_88 (AY), Isolde_91 (AY), Kubulix_64 (AP2), MUWow_91 (AY), MellowYellow_67 (AP2), MidnightRain_97 (AY), NyleyClemson_66 (AP2), Odyssey395_67 (AP2), Ollypop_61 (AP2), Persistence_85 (AY), Pointis_64 (AP2), Pureglobe5_66 (AP2), Ranunculus_59 (AP), RazzB_63 (AP2), Richie_93 (AY), Sakai_87 (AY), Seahorse_96 (AY), SpicyFrank_92 (AY),

Summary by clusters:

There are 6 clusters represented in this pham: FA, AP2, AP3, AP, FB, AY,

Info for manual annotations of cluster AP:
•Start number 7 was manually annotated 1 time for cluster AP.

Info for manual annotations of cluster AP2:
•Start number 7 was manually annotated 5 times for cluster AP2.

Info for manual annotations of cluster AP3:
•Start number 6 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster AY:
•Start number 7 was manually annotated 10 times for cluster AY.

Info for manual annotations of cluster FA:
•Start number 7 was manually annotated 1 time for cluster FA.

Gene Information:

Gene: Alatato_43 Start: 27741, Stop: 28007, Start Num: 5
Candidate Starts for Alatato_43:
(3, 27651), (5, 27741), (18, 27906), (20, 27918), (21, 27921),

Gene: Anekin_90 Start: 50152, Stop: 50415, Start Num: 7
Candidate Starts for Anekin_90:
(Start: 7 @50152 has 17 MA's), (17, 50278), (24, 50356), (30, 50377),

Gene: Beagle_67 Start: 42365, Stop: 42090, Start Num: 7
Candidate Starts for Beagle_67:
(Start: 7 @42365 has 17 MA's), (8, 42329), (12, 42272), (23, 42164), (26, 42149),

Gene: BenchScraper_90 Start: 48171, Stop: 48425, Start Num: 7
Candidate Starts for BenchScraper_90:
(Start: 7 @48171 has 17 MA's), (32, 48411),

Gene: BruhMoment_50 Start: 39910, Stop: 39683, Start Num: 6
Candidate Starts for BruhMoment_50:
(4, 39913), (Start: 6 @39910 has 1 MA's), (9, 39862), (13, 39817), (14, 39814),

Gene: ChuckDuck_56 Start: 35927, Stop: 36187, Start Num: 7
Candidate Starts for ChuckDuck_56:
(1, 35687), (3, 35813), (Start: 7 @35927 has 17 MA's), (11, 35990), (15, 36023), (20, 36098), (21, 36101),

Gene: DogYard_64 Start: 42560, Stop: 42288, Start Num: 7
Candidate Starts for DogYard_64:
(Start: 7 @42560 has 17 MA's), (8, 42524), (16, 42446),

Gene: Faja_91 Start: 50148, Stop: 50402, Start Num: 7
Candidate Starts for Faja_91:
(Start: 7 @50148 has 17 MA's), (10, 50187), (20, 50298), (22, 50304), (25, 50328),

Gene: Forrestell_63 Start: 41892, Stop: 41626, Start Num: 7
Candidate Starts for Forrestell_63:
(Start: 7 @41892 has 17 MA's), (8, 41856), (12, 41799), (16, 41778), (27, 41676), (28, 41673), (32, 41640),

Gene: Globfish_89 Start: 48891, Stop: 49145, Start Num: 7
Candidate Starts for Globfish_89:
(Start: 7 @48891 has 17 MA's), (20, 49041), (22, 49047), (25, 49071),

Gene: Gorpy_88 Start: 50899, Stop: 51153, Start Num: 7
Candidate Starts for Gorpy_88:
(Start: 7 @50899 has 17 MA's), (18, 51064), (32, 51139),

Gene: Isolde_91 Start: 50741, Stop: 51010, Start Num: 7
Candidate Starts for Isolde_91:
(Start: 7 @50741 has 17 MA's), (17, 50861), (19, 50906), (29, 50966), (32, 50996),

Gene: Kubulix_64 Start: 42478, Stop: 42203, Start Num: 7

Candidate Starts for Kubulix_64:
(Start: 7 @42478 has 17 MA's), (8, 42442), (12, 42385), (23, 42277), (26, 42262),

Gene: MUWow_91 Start: 50937, Stop: 51179, Start Num: 7
Candidate Starts for MUWow_91:
(Start: 7 @50937 has 17 MA's), (10, 50973), (25, 51117), (30, 51141),

Gene: MellowYellow_67 Start: 42565, Stop: 42293, Start Num: 7
Candidate Starts for MellowYellow_67:
(Start: 7 @42565 has 17 MA's), (8, 42529), (12, 42472), (23, 42364), (26, 42349),

Gene: MidnightRain_97 Start: 51392, Stop: 51628, Start Num: 7
Candidate Starts for MidnightRain_97:
(Start: 7 @51392 has 17 MA's), (10, 51431), (20, 51536), (21, 51539),

Gene: NyleyClemson_66 Start: 42180, Stop: 41908, Start Num: 7
Candidate Starts for NyleyClemson_66:
(Start: 7 @42180 has 17 MA's), (8, 42144), (12, 42087), (23, 41979), (26, 41964),

Gene: Odyssey395_67 Start: 42602, Stop: 42327, Start Num: 7
Candidate Starts for Odyssey395_67:
(Start: 7 @42602 has 17 MA's), (8, 42566), (23, 42401), (26, 42386),

Gene: Ollypop_61 Start: 43106, Stop: 42852, Start Num: 7
Candidate Starts for Ollypop_61:
(Start: 7 @43106 has 17 MA's), (8, 43070), (12, 43028), (23, 42923), (26, 42908),

Gene: Persistence_85 Start: 47551, Stop: 47787, Start Num: 7
Candidate Starts for Persistence_85:
(Start: 7 @47551 has 17 MA's), (29, 47743), (30, 47749), (31, 47764),

Gene: Pointis_64 Start: 42405, Stop: 42130, Start Num: 7
Candidate Starts for Pointis_64:
(Start: 7 @42405 has 17 MA's), (8, 42369), (12, 42312), (23, 42204), (26, 42189),

Gene: Pureglobe5_66 Start: 42849, Stop: 42574, Start Num: 7
Candidate Starts for Pureglobe5_66:
(Start: 7 @42849 has 17 MA's), (8, 42813), (16, 42735), (23, 42648), (26, 42633),

Gene: Ranunculus_59 Start: 44856, Stop: 44584, Start Num: 7
Candidate Starts for Ranunculus_59:
(2, 45054), (Start: 7 @44856 has 17 MA's), (8, 44820), (12, 44763), (16, 44742),

Gene: RazzB_63 Start: 42311, Stop: 42039, Start Num: 7
Candidate Starts for RazzB_63:
(Start: 7 @42311 has 17 MA's), (8, 42275), (12, 42218), (23, 42110), (26, 42095),

Gene: Richie_93 Start: 50743, Stop: 50997, Start Num: 7
Candidate Starts for Richie_93:
(Start: 7 @50743 has 17 MA's), (18, 50908), (32, 50983),

Gene: Sakai_87 Start: 49610, Stop: 49864, Start Num: 7
Candidate Starts for Sakai_87:

(Start: 7 @49610 has 17 MA's), (18, 49775), (32, 49850),

Gene: Seahorse_96 Start: 54256, Stop: 54510, Start Num: 7
Candidate Starts for Seahorse_96:
(Start: 7 @54256 has 17 MA's), (18, 54421), (32, 54496),

Gene: SpicyFrank_92 Start: 49662, Stop: 49916, Start Num: 7
Candidate Starts for SpicyFrank_92:
(Start: 7 @49662 has 17 MA's), (20, 49812), (22, 49818), (25, 49842),