Pham 216287


1: Chargerpower_45
2: Odin_45
3: QueenB2_45
4: XianYue_45
5: Quokka_44 + 2
6: L5_45
7: DudeLittle_44
8: Superchunk_45 + 1
9: Jsquared_44
10: Sachima_43 + 11
11: Elephantoon_45
12: RyeScarlet_47 + 14
13: Myxus_46
14: Vanisoa_45
15: Darrell_47
16: Keziacharles14_45
17: Arissanae_45
18: Rahalelujah_45

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 216287 Report

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

Pham number 216287 has 46 members, 12 are drafts.

Phages represented in each track:
• Track 1 : Chargerpower_45
• Track 2 : Odin_45
• Track 3 : QueenB2_45
• Track 4 : XianYue_45
• Track 5 : Quokka_44, MajorMajor_45, Bradman_45
• Track 6 : L5_45
• Track 7 : DudeLittle_44
• Track 8 : Superchunk_45, Caraxes_46
• Track 9 : Jsquared_44
• Track 10 : Sachima_43, Jiawan_44, ExplosioNervosa_46, Scherzo_46, EdogawaKiddo_44, Pioneer_46, Conquerage_46, Ugenie5_43, Lilleskat_44, Phonnegut_46, Beemo_46, Hanray_44
• Track 11 : Elephantoon_45
• Track 12 : RyeScarlet_47, Holex_45, Tubs_46, EmyBug_45, HortumSL17_46, Eidsmoe_46, PackMan_45, Phaeder_46, Aliter_46, Spouty_46, Qobbit_46, Fayely_46, Onglai_44, Catalina_47, Priya_46
• Track 13 : Myxus_46
• Track 14 : Vanisoa_45
• Track 15 : Darrell_47
• Track 16 : Keziacharles14_45
• Track 17 : Arissanae_45
• Track 18 : Rahalelujah_45

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

The start number called the most often in the published annotations is 2, it was called in 34 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aliter_46, Arissanae_45, Beemo_46, Bradman_45, Caraxes_46, Catalina_47, Chargerpower_45, Conquerage_46, Darrell_47, DudeLittle_44, EdogawaKiddo_44, Eidsmoe_46, Elephantoon_45, EmyBug_45, ExplosioNervosa_46, Fayely_46, Hanray_44, Holex_45, HortumSL17_46, Jiawan_44, Jsquared_44, Keziacharles14_45, L5_45, Lilleskat_44, MajorMajor_45, Myxus_46, Odin_45,

Onglai_44, PackMan_45, Phaeder_46, Phonnegut_46, Pioneer_46, Priya_46, Qobbit_46, QueenB2_45, Quokka_44, Rahalelujah_45, RyeScarlet_47, Sachima_43, Scherzo_46, Spouty_46, Superchunk_45, Tubs_46, Ugenie5_43, Vanisoa_45, XianYue_45,

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

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

Summary by start number:

Start 2:
• Found in 46 of 46 (100.0%) of genes in pham
• Manual Annotations of this start: 34 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aliter_46 (A9), Arissanae_45 (A9), Beemo_46 (A9), Bradman_45 (A2), Caraxes_46 (A2), Catalina_47 (A9), Chargerpower_45 (A), Conquerage_46 (A9), Darrell_47 (A9), DudeLittle_44 (A2), EdogawaKiddo_44 (A9), Eidsmoe_46 (A9), Elephantoon_45 (A9), EmyBug_45 (A9), ExplosioNervosa_46 (A9), Fayely_46 (A9), Hanray_44 (A9), Holex_45 (A9), HortumSL17_46 (A9), Jiawan_44 (A9), Jsquared_44 (A2), Keziacharles14_45 (A9), L5_45 (A2), Lilleskat_44 (A9), MajorMajor_45 (A2), Myxus_46 (A9), Odin_45 (A2), Onglai_44 (A9), PackMan_45 (A9), Phaeder_46 (A9), Phonnegut_46 (A9), Pioneer_46 (A9), Priya_46 (A9), Qobbit_46 (A9), QueenB2_45 (A2), Quokka_44 (A2), Rahalelujah_45 (A9), RyeScarlet_47 (A9), Sachima_43 (A9), Scherzo_46 (A9), Spouty_46 (A9), Superchunk_45 (A2), Tubs_46 (A9), Ugenie5_43 (A9), Vanisoa_45 (A9), XianYue_45 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A9, A, A2,

Info for manual annotations of cluster A:
•Start number 2 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A2:
•Start number 2 was manually annotated 7 times for cluster A2.

Info for manual annotations of cluster A9:
•Start number 2 was manually annotated 26 times for cluster A9.

Gene Information:

Gene: Aliter_46 Start: 31711, Stop: 31415, Start Num: 2
Candidate Starts for Aliter_46:
(Start: 2 @31711 has 34 MA's), (13, 31531), (17, 31483), (18, 31462),

Gene: Arissanae_45 Start: 32350, Stop: 32045, Start Num: 2
Candidate Starts for Arissanae_45:

(Start: 2 @32350 has 34 MA's), (10, 32206), (18, 32101), (21, 32062),

Gene: Beemo_46 Start: 31833, Stop: 31543, Start Num: 2
Candidate Starts for Beemo_46:
(Start: 2 @31833 has 34 MA's), (11, 31668), (12, 31662), (13, 31659), (17, 31611), (18, 31590),

Gene: Bradman_45 Start: 30678, Stop: 30382, Start Num: 2
Candidate Starts for Bradman_45:
(Start: 2 @30678 has 34 MA's), (4, 30636), (9, 30534), (18, 30423),

Gene: Caraxes_46 Start: 30316, Stop: 30020, Start Num: 2
Candidate Starts for Caraxes_46:
(1, 30508), (Start: 2 @30316 has 34 MA's), (14, 30106), (18, 30061), (20, 30028),

Gene: Catalina_47 Start: 31784, Stop: 31488, Start Num: 2
Candidate Starts for Catalina_47:
(Start: 2 @31784 has 34 MA's), (13, 31604), (17, 31556), (18, 31535),

Gene: Chargerpower_45 Start: 30704, Stop: 30411, Start Num: 2
Candidate Starts for Chargerpower_45:
(Start: 2 @30704 has 34 MA's), (7, 30611), (13, 30536), (15, 30494), (17, 30485), (21, 30425),

Gene: Conquerage_46 Start: 31807, Stop: 31517, Start Num: 2
Candidate Starts for Conquerage_46:
(Start: 2 @31807 has 34 MA's), (11, 31642), (12, 31636), (13, 31633), (17, 31585), (18, 31564),

Gene: Darrell_47 Start: 32153, Stop: 31854, Start Num: 2
Candidate Starts for Darrell_47:
(Start: 2 @32153 has 34 MA's), (16, 31928), (18, 31901),

Gene: DudeLittle_44 Start: 31643, Stop: 31353, Start Num: 2
Candidate Starts for DudeLittle_44:
(Start: 2 @31643 has 34 MA's), (11, 31484), (13, 31475),

Gene: EdogawaKiddo_44 Start: 31784, Stop: 31494, Start Num: 2
Candidate Starts for EdogawaKiddo_44:
(Start: 2 @31784 has 34 MA's), (11, 31619), (12, 31613), (13, 31610), (17, 31562), (18, 31541),

Gene: Eidsmoe_46 Start: 31847, Stop: 31551, Start Num: 2
Candidate Starts for Eidsmoe_46:
(Start: 2 @31847 has 34 MA's), (13, 31667), (17, 31619), (18, 31598),

Gene: Elephantoon_45 Start: 31130, Stop: 30834, Start Num: 2
Candidate Starts for Elephantoon_45:
(Start: 2 @31130 has 34 MA's), (10, 30986), (18, 30881),

Gene: EmyBug_45 Start: 31849, Stop: 31553, Start Num: 2
Candidate Starts for EmyBug_45:
(Start: 2 @31849 has 34 MA's), (13, 31669), (17, 31621), (18, 31600),

Gene: ExplosioNervosa_46 Start: 31867, Stop: 31577, Start Num: 2
Candidate Starts for ExplosioNervosa_46:
(Start: 2 @31867 has 34 MA's), (11, 31702), (12, 31696), (13, 31693), (17, 31645), (18, 31624),

Gene: Fayely_46 Start: 31816, Stop: 31520, Start Num: 2
Candidate Starts for Fayely_46:
(Start: 2 @31816 has 34 MA's), (13, 31636), (17, 31588), (18, 31567),

Gene: Hanray_44 Start: 31788, Stop: 31498, Start Num: 2
Candidate Starts for Hanray_44:
(Start: 2 @31788 has 34 MA's), (11, 31623), (12, 31617), (13, 31614), (17, 31566), (18, 31545),

Gene: Holex_45 Start: 31807, Stop: 31511, Start Num: 2
Candidate Starts for Holex_45:
(Start: 2 @31807 has 34 MA's), (13, 31627), (17, 31579), (18, 31558),

Gene: HortumSL17_46 Start: 31783, Stop: 31487, Start Num: 2
Candidate Starts for HortumSL17_46:
(Start: 2 @31783 has 34 MA's), (13, 31603), (17, 31555), (18, 31534),

Gene: Jiawan_44 Start: 31820, Stop: 31530, Start Num: 2
Candidate Starts for Jiawan_44:
(Start: 2 @31820 has 34 MA's), (11, 31655), (12, 31649), (13, 31646), (17, 31598), (18, 31577),

Gene: Jsquared_44 Start: 30618, Stop: 30322, Start Num: 2
Candidate Starts for Jsquared_44:
(Start: 2 @30618 has 34 MA's), (4, 30576), (5, 30564), (9, 30474), (17, 30384), (18, 30363),

Gene: Keziacharles14_45 Start: 32471, Stop: 32166, Start Num: 2
Candidate Starts for Keziacharles14_45:
(Start: 2 @32471 has 34 MA's), (7, 32366), (18, 32222), (19, 32198),

Gene: L5_45 Start: 30779, Stop: 30486, Start Num: 2
Candidate Starts for L5_45:
(Start: 2 @30779 has 34 MA's), (3, 30743), (4, 30737), (6, 30716), (9, 30638), (17, 30548), (18, 30527),

Gene: Lilleskat_44 Start: 31737, Stop: 31447, Start Num: 2
Candidate Starts for Lilleskat_44:
(Start: 2 @31737 has 34 MA's), (11, 31572), (12, 31566), (13, 31563), (17, 31515), (18, 31494),

Gene: MajorMajor_45 Start: 30678, Stop: 30382, Start Num: 2
Candidate Starts for MajorMajor_45:
(Start: 2 @30678 has 34 MA's), (4, 30636), (9, 30534), (18, 30423),

Gene: Myxus_46 Start: 31783, Stop: 31487, Start Num: 2
Candidate Starts for Myxus_46:
(Start: 2 @31783 has 34 MA's), (13, 31603), (17, 31555), (18, 31534),

Gene: Odin_45 Start: 30465, Stop: 30196, Start Num: 2
Candidate Starts for Odin_45:
(Start: 2 @30465 has 34 MA's), (8, 30372), (18, 30237), (20, 30204),

Gene: Onglai_44 Start: 30124, Stop: 29828, Start Num: 2
Candidate Starts for Onglai_44:
(Start: 2 @30124 has 34 MA's), (13, 29944), (17, 29896), (18, 29875),

Gene: PackMan_45 Start: 31783, Stop: 31487, Start Num: 2
Candidate Starts for PackMan_45:
(Start: 2 @31783 has 34 MA's), (13, 31603), (17, 31555), (18, 31534),

Gene: Phaeder_46 Start: 31783, Stop: 31487, Start Num: 2
Candidate Starts for Phaeder_46:
(Start: 2 @31783 has 34 MA's), (13, 31603), (17, 31555), (18, 31534),

Gene: Phonnegut_46 Start: 31832, Stop: 31542, Start Num: 2
Candidate Starts for Phonnegut_46:
(Start: 2 @31832 has 34 MA's), (11, 31667), (12, 31661), (13, 31658), (17, 31610), (18, 31589),

Gene: Pioneer_46 Start: 31832, Stop: 31542, Start Num: 2
Candidate Starts for Pioneer_46:
(Start: 2 @31832 has 34 MA's), (11, 31667), (12, 31661), (13, 31658), (17, 31610), (18, 31589),

Gene: Priya_46 Start: 31850, Stop: 31554, Start Num: 2
Candidate Starts for Priya_46:
(Start: 2 @31850 has 34 MA's), (13, 31670), (17, 31622), (18, 31601),

Gene: Qobbit_46 Start: 31812, Stop: 31516, Start Num: 2
Candidate Starts for Qobbit_46:
(Start: 2 @31812 has 34 MA's), (13, 31632), (17, 31584), (18, 31563),

Gene: QueenB2_45 Start: 31688, Stop: 31398, Start Num: 2
Candidate Starts for QueenB2_45:
(Start: 2 @31688 has 34 MA's), (13, 31520),

Gene: Quokka_44 Start: 30678, Stop: 30382, Start Num: 2
Candidate Starts for Quokka_44:
(Start: 2 @30678 has 34 MA's), (4, 30636), (9, 30534), (18, 30423),

Gene: Rahalelujah_45 Start: 31040, Stop: 30741, Start Num: 2
Candidate Starts for Rahalelujah_45:
(Start: 2 @31040 has 34 MA's), (10, 30896), (18, 30791), (21, 30752),

Gene: RyeScarlet_47 Start: 31807, Stop: 31511, Start Num: 2
Candidate Starts for RyeScarlet_47:
(Start: 2 @31807 has 34 MA's), (13, 31627), (17, 31579), (18, 31558),

Gene: Sachima_43 Start: 31717, Stop: 31427, Start Num: 2
Candidate Starts for Sachima_43:
(Start: 2 @31717 has 34 MA's), (11, 31552), (12, 31546), (13, 31543), (17, 31495), (18, 31474),

Gene: Scherzo_46 Start: 32021, Stop: 31731, Start Num: 2
Candidate Starts for Scherzo_46:
(Start: 2 @32021 has 34 MA's), (11, 31856), (12, 31850), (13, 31847), (17, 31799), (18, 31778),

Gene: Spouty_46 Start: 31849, Stop: 31553, Start Num: 2
Candidate Starts for Spouty_46:
(Start: 2 @31849 has 34 MA's), (13, 31669), (17, 31621), (18, 31600),

Gene: Superchunk_45 Start: 30316, Stop: 30020, Start Num: 2

Candidate Starts for Superchunk_45:
(1, 30508), (Start: 2 @30316 has 34 MA's), (14, 30106), (18, 30061), (20, 30028),

Gene: Tubs_46 Start: 31783, Stop: 31487, Start Num: 2
Candidate Starts for Tubs_46:
(Start: 2 @31783 has 34 MA's), (13, 31603), (17, 31555), (18, 31534),

Gene: Ugenie5_43 Start: 32020, Stop: 31730, Start Num: 2
Candidate Starts for Ugenie5_43:
(Start: 2 @32020 has 34 MA's), (11, 31855), (12, 31849), (13, 31846), (17, 31798), (18, 31777),

Gene: Vanisoa_45 Start: 32358, Stop: 32059, Start Num: 2
Candidate Starts for Vanisoa_45:
(Start: 2 @32358 has 34 MA's), (13, 32178), (18, 32109), (21, 32070),

Gene: XianYue_45 Start: 31548, Stop: 31267, Start Num: 2
Candidate Starts for XianYue_45:
(Start: 2 @31548 has 34 MA's), (11, 31389), (13, 31380), (17, 31332),