

Pham 194192



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 194192 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194192 has 36 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Cucurbita_100, Toniann_101, Bachita_101, PhinkBoden_98, Smoothie_100, Engineer_100, Lozinak_99
- Track 2 : Aphelion_100, Dusty_96, Miskis_97
- Track 3 : Abscondus_98
- Track 4 : Norvs_101, ClubL_100, Culver_101
- Track 5 : Geeche_98
- Track 6 : WilliamBoone_101
- Track 7 : OneUp_87
- Track 8 : Geodirt_49
- Track 9 : Barsten_51, ChadMasterC_51
- Track 10 : RiverRaider_51
- Track 11 : Fitzgerald_49, Sanjuju_49
- Track 12 : MelBins_49
- Track 13 : Phauci_41
- Track 14 : Phinally_48, Leonard_48
- Track 15 : Hans_50, Inspectinfecti_49, Ali17_46
- Track 16 : EMoore_46
- Track 17 : Mareelih_28, Boopy_30, Forza_30, BlueNGold_28
- Track 18 : Sixama_33

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

The start number called the most often in the published annotations is 8, it was called in 26 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_98, Ali17_46, Aphelion_100, Bachita_101, Barsten_51, ChadMasterC_51, ClubL_100, Cucurbita_100, Culver_101, Dusty_96, EMoore_46, Engineer_100, Fitzgerald_49, Geeche_98, Geodirt_49, Hans_50, Inspectinfecti_49, Leonard_48, Lozinak_99, MelBins_49, Miskis_97, Norvs_101, Phauci_41, Phinally_48, PhinkBoden_98, RiverRaider_51, Sanjuju_49, Smoothie_100, Toniann_101, WilliamBoone_101,

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

- BlueNGold_28, Boopy_30, Forza_30, Mareelih_28, Sixama_33,

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

- OneUp_87,

Summary by start number:

Start 5:

- Found in 5 of 36 (13.9%) of genes in pham
- Manual Annotations of this start: 5 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueNGold_28 (DS), Boopy_30 (DS), Forza_30 (DS), Mareelih_28 (DS), Sixama_33 (DS),

Start 8:

- Found in 35 of 36 (97.2%) of genes in pham
- Manual Annotations of this start: 26 of 32
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Abscondus_98 (CQ1), Ali17_46 (DE2), Aphelion_100 (CQ1), Bachita_101 (CQ1), Barsten_51 (DE1), ChadMasterC_51 (DE1), ClubL_100 (CQ1), Cucurbita_100 (CQ1), Culver_101 (CQ1), Dusty_96 (CQ1), EMOore_46 (DE2), Engineer_100 (CQ1), Fitzgerald_49 (DE1), Geeche_98 (CQ1), Geodirt_49 (DE1), Hans_50 (DE2), Inspectinfecti_49 (DE2), Leonard_48 (DE2), Lozinak_99 (CQ1), MelBins_49 (DE2), Miskis_97 (CQ1), Norvs_101 (CQ1), Phauci_41 (DE2), Phinally_48 (DE2), PhinkBoden_98 (CQ1), RiverRaider_51 (DE1), Sanjuju_49 (DE1), Smoothie_100 (CQ1), Toniann_101 (CQ1), WilliamBoone_101 (CQ1),

Start 12:

- Found in 1 of 36 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OneUp_87 (CQ2),

Summary by clusters:

There are 5 clusters represented in this pham: CQ2, CQ1, DE2, DS, DE1,

Info for manual annotations of cluster CQ1:

- Start number 8 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 12 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DE1:

- Start number 8 was manually annotated 6 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 8 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DS:

- Start number 5 was manually annotated 5 times for cluster DS.

Gene Information:

Gene: Abscondus_98 Start: 59189, Stop: 59440, Start Num: 8

Candidate Starts for Abscondus_98:

(Start: 8 @59189 has 26 MA's), (19, 59276), (21, 59297),

Gene: Ali17_46 Start: 41005, Stop: 41274, Start Num: 8

Candidate Starts for Ali17_46:

(Start: 8 @41005 has 26 MA's), (14, 41059), (26, 41113), (29, 41131),

Gene: Aphelion_100 Start: 60742, Stop: 60993, Start Num: 8

Candidate Starts for Aphelion_100:

(Start: 8 @60742 has 26 MA's), (19, 60829), (21, 60850),

Gene: Bachita_101 Start: 60400, Stop: 60651, Start Num: 8

Candidate Starts for Bachita_101:

(Start: 8 @60400 has 26 MA's), (15, 60457), (21, 60508), (31, 60616),

Gene: Barsten_51 Start: 42934, Stop: 43296, Start Num: 8

Candidate Starts for Barsten_51:

(6, 42922), (7, 42931), (Start: 8 @42934 has 26 MA's),

Gene: BlueNGold_28 Start: 10066, Stop: 9809, Start Num: 5

Candidate Starts for BlueNGold_28:

(3, 10081), (Start: 5 @10066 has 5 MA's), (Start: 8 @10045 has 26 MA's), (16, 9976), (24, 9907), (25, 9892),

Gene: Boopy_30 Start: 10078, Stop: 9821, Start Num: 5

Candidate Starts for Boopy_30:

(3, 10093), (Start: 5 @10078 has 5 MA's), (Start: 8 @10057 has 26 MA's), (16, 9988), (24, 9919), (25, 9904),

Gene: ChadMasterC_51 Start: 44333, Stop: 44695, Start Num: 8

Candidate Starts for ChadMasterC_51:

(6, 44321), (7, 44330), (Start: 8 @44333 has 26 MA's),

Gene: ClubL_100 Start: 59332, Stop: 59583, Start Num: 8

Candidate Starts for ClubL_100:

(Start: 8 @59332 has 26 MA's), (11, 59362), (20, 59422), (21, 59440), (22, 59446), (28, 59491),

Gene: Cucurbita_100 Start: 60907, Stop: 61158, Start Num: 8

Candidate Starts for Cucurbita_100:

(Start: 8 @60907 has 26 MA's), (15, 60964), (21, 61015), (31, 61123),

Gene: Culver_101 Start: 59232, Stop: 59483, Start Num: 8

Candidate Starts for Culver_101:

(Start: 8 @59232 has 26 MA's), (11, 59262), (20, 59322), (21, 59340), (22, 59346), (28, 59391),

Gene: Dusty_96 Start: 59248, Stop: 59499, Start Num: 8

Candidate Starts for Dusty_96:

(Start: 8 @59248 has 26 MA's), (19, 59335), (21, 59356),

Gene: EMoore_46 Start: 42206, Stop: 42475, Start Num: 8
Candidate Starts for EMoore_46:
(Start: 8 @42206 has 26 MA's), (13, 42245), (26, 42314), (29, 42332),

Gene: Engineer_100 Start: 60373, Stop: 60624, Start Num: 8
Candidate Starts for Engineer_100:
(Start: 8 @60373 has 26 MA's), (15, 60430), (21, 60481), (31, 60589),

Gene: Fitzgerald_49 Start: 43615, Stop: 43956, Start Num: 8
Candidate Starts for Fitzgerald_49:
(Start: 8 @43615 has 26 MA's), (10, 43639),

Gene: Forza_30 Start: 10118, Stop: 9861, Start Num: 5
Candidate Starts for Forza_30:
(3, 10133), (Start: 5 @10118 has 5 MA's), (Start: 8 @10097 has 26 MA's), (16, 10028), (24, 9959),
(25, 9944),

Gene: Geeche_98 Start: 59471, Stop: 59722, Start Num: 8
Candidate Starts for Geeche_98:
(Start: 8 @59471 has 26 MA's), (15, 59528),

Gene: Geodirt_49 Start: 43703, Stop: 44044, Start Num: 8
Candidate Starts for Geodirt_49:
(1, 43328), (Start: 8 @43703 has 26 MA's), (11, 43733),

Gene: Hans_50 Start: 41645, Stop: 41914, Start Num: 8
Candidate Starts for Hans_50:
(Start: 8 @41645 has 26 MA's), (14, 41699), (26, 41753), (29, 41771),

Gene: Inspectinfecti_49 Start: 42091, Stop: 42360, Start Num: 8
Candidate Starts for Inspectinfecti_49:
(Start: 8 @42091 has 26 MA's), (14, 42145), (26, 42199), (29, 42217),

Gene: Leonard_48 Start: 41738, Stop: 42007, Start Num: 8
Candidate Starts for Leonard_48:
(Start: 8 @41738 has 26 MA's), (26, 41846), (29, 41864),

Gene: Lozinak_99 Start: 60211, Stop: 60462, Start Num: 8
Candidate Starts for Lozinak_99:
(Start: 8 @60211 has 26 MA's), (15, 60268), (21, 60319), (31, 60427),

Gene: Mareelih_28 Start: 9523, Stop: 9266, Start Num: 5
Candidate Starts for Mareelih_28:
(3, 9538), (Start: 5 @9523 has 5 MA's), (Start: 8 @9502 has 26 MA's), (16, 9433), (24, 9364), (25,
9349),

Gene: MelBins_49 Start: 41918, Stop: 42259, Start Num: 8
Candidate Starts for MelBins_49:
(Start: 8 @41918 has 26 MA's), (29, 42116),

Gene: Miskis_97 Start: 58911, Stop: 59162, Start Num: 8
Candidate Starts for Miskis_97:

(Start: 8 @58911 has 26 MA's), (19, 58998), (21, 59019),

Gene: Norvs_101 Start: 60240, Stop: 60491, Start Num: 8

Candidate Starts for Norvs_101:

(Start: 8 @60240 has 26 MA's), (11, 60270), (20, 60330), (21, 60348), (22, 60354), (28, 60399),

Gene: OneUp_87 Start: 56617, Stop: 56829, Start Num: 12

Candidate Starts for OneUp_87:

(2, 56458), (Start: 12 @56617 has 1 MA's), (29, 56758), (30, 56770),

Gene: Phauci_41 Start: 38587, Stop: 38928, Start Num: 8

Candidate Starts for Phauci_41:

(Start: 8 @38587 has 26 MA's), (29, 38785),

Gene: Phinally_48 Start: 41735, Stop: 42004, Start Num: 8

Candidate Starts for Phinally_48:

(Start: 8 @41735 has 26 MA's), (26, 41843), (29, 41861),

Gene: PhinkBoden_98 Start: 60001, Stop: 60252, Start Num: 8

Candidate Starts for PhinkBoden_98:

(Start: 8 @60001 has 26 MA's), (15, 60058), (21, 60109), (31, 60217),

Gene: RiverRaider_51 Start: 41565, Stop: 41936, Start Num: 8

Candidate Starts for RiverRaider_51:

(Start: 8 @41565 has 26 MA's), (23, 41718), (27, 41748), (32, 41826),

Gene: Sanjuju_49 Start: 43748, Stop: 44089, Start Num: 8

Candidate Starts for Sanjuju_49:

(Start: 8 @43748 has 26 MA's), (10, 43772),

Gene: Sixama_33 Start: 11171, Stop: 10920, Start Num: 5

Candidate Starts for Sixama_33:

(4, 11183), (Start: 5 @11171 has 5 MA's), (Start: 8 @11153 has 26 MA's), (9, 11132), (16, 11084), (18, 11075), (24, 11015), (25, 11000),

Gene: Smoothie_100 Start: 60211, Stop: 60462, Start Num: 8

Candidate Starts for Smoothie_100:

(Start: 8 @60211 has 26 MA's), (15, 60268), (21, 60319), (31, 60427),

Gene: Toniann_101 Start: 60180, Stop: 60431, Start Num: 8

Candidate Starts for Toniann_101:

(Start: 8 @60180 has 26 MA's), (15, 60237), (21, 60288), (31, 60396),

Gene: WilliamBoone_101 Start: 58943, Stop: 59200, Start Num: 8

Candidate Starts for WilliamBoone_101:

(Start: 8 @58943 has 26 MA's), (17, 59021), (22, 59057),