



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 85874 Report

This analysis was run 04/28/24 on database version 559.

Pham number 85874 has 47 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Adgers_42, GourdThymes_41, Gorko_41, Beaver_45, Ekhein_42, Lizzo_41, Squibbles_41, Hotorobo_41, CathyBurgh_41, Exiguo_41, Flakey_41, RemRem_42, Sam12_41, Breezic_41, John316_45
- Track 2 : BenoitCattle_42
- Track 3 : Dakiti_41
- Track 4 : Monty_40
- Track 5 : Jams_42, FelixAlejandro_46, Luker_43, Anamika_42, Hello_42, Bianmat_42, Lahirium_42, Poland_48, Msay19_46, Newt_43, Woes_42, Diabla_44, Neoevie_42, Jormungandr_42, Lidong_42, Sticker17_42, Minos_43, Butterball_45, Nimi13_42, Shelley_42, GalacticEye_42, Teal_42, Boneham_45, MrWormie_42, BirksAndSocks_45, Jellybones_45, Sombrero_41, Guillaume_42, Harambe_42

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 43 of the 43 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adgers_42, Anamika_42, Beaver_45, BenoitCattle_42, Bianmat_42, BirksAndSocks_45, Boneham_45, Breezic_41, Butterball_45, CathyBurgh_41, Dakiti_41, Diabla_44, Ekhein_42, Exiguo_41, FelixAlejandro_46, Flakey_41, GalacticEye_42, Gorko_41, GourdThymes_41, Guillaume_42, Harambe_42, Hello_42, Hotorobo_41, Jams_42, Jellybones_45, John316_45, Jormungandr_42, Lahirium_42, Lidong_42, Lizzo_41, Luker_43, Minos_43, Monty_40, MrWormie_42, Msay19_46, Neoevie_42, Newt_43, Nimi13_42, Poland_48, RemRem_42, Sam12_41, Shelley_42, Sombrero_41, Squibbles_41, Sticker17_42, Teal_42, Woes_42,

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 1:

- Found in 47 of 47 (100.0%) of genes in pham
- Manual Annotations of this start: 43 of 43
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adgers_42 (CS2), Anamika_42 (CS3), Beaver_45 (CS2), BenoitCattle_42 (CS2), Bianmat_42 (CS3), BirksAndSocks_45 (CS2), Boneham_45 (CS2), Breezic_41 (CS2), Butterball_45 (CS2), CathyBurgh_41 (CS2), Dakiti_41 (CS2), Diabla_44 (CS2), Ekhein_42 (CS2), Exiguo_41 (CS2), FelixAlejandro_46 (CS2), Flakey_41 (CS2), GalacticEye_42 (CS3), Gorko_41 (CS2), GourdThymes_41 (CS2), Guillaume_42 (CS3), Harambe_42 (CS3), Hello_42 (CS3), Hotorobo_41 (CS2), Jams_42 (CS3), Jellybones_45 (CS2), John316_45 (CS2), Jormungandr_42 (CS3), Lahirium_42 (CS3), Lidong_42 (CS3), Lizzo_41 (CS2), Luker_43 (CS3), Minos_43 (CS3), Monty_40 (CS2), MrWormie_42 (CS3), Msay19_46 (CS2), Neoevie_42 (CS3), Newt_43 (CS3), Nimi13_42 (CS3), Poland_48 (CS2), RemRem_42 (CS2), Sam12_41 (CS2), Shelley_42 (CS3), Sombrero_41 (CS2), Squibbles_41 (CS2), Sticker17_42 (CS3), Teal_42 (CS3), Woes_42 (CS3),

Summary by clusters:

There are 2 clusters represented in this pham: CS3, CS2,

Info for manual annotations of cluster CS2:

- Start number 1 was manually annotated 23 times for cluster CS2.

Info for manual annotations of cluster CS3:

- Start number 1 was manually annotated 20 times for cluster CS3.

Gene Information:

Gene: Adgers_42 Start: 42751, Stop: 42650, Start Num: 1

Candidate Starts for Adgers_42:

(Start: 1 @42751 has 43 MA's),

Gene: Anamika_42 Start: 45131, Stop: 45030, Start Num: 1

Candidate Starts for Anamika_42:

(Start: 1 @45131 has 43 MA's),

Gene: Beaver_45 Start: 44637, Stop: 44536, Start Num: 1

Candidate Starts for Beaver_45:

(Start: 1 @44637 has 43 MA's),

Gene: BenoitCattle_42 Start: 42695, Stop: 42594, Start Num: 1

Candidate Starts for BenoitCattle_42:

(Start: 1 @42695 has 43 MA's), (2, 42683),

Gene: Bianmat_42 Start: 45142, Stop: 45041, Start Num: 1

Candidate Starts for Bianmat_42:

(Start: 1 @45142 has 43 MA's),

Gene: BirksAndSocks_45 Start: 44615, Stop: 44514, Start Num: 1
Candidate Starts for BirksAndSocks_45:
(Start: 1 @44615 has 43 MA's),

Gene: Boneham_45 Start: 44614, Stop: 44513, Start Num: 1
Candidate Starts for Boneham_45:
(Start: 1 @44614 has 43 MA's),

Gene: Breezic_41 Start: 42603, Stop: 42502, Start Num: 1
Candidate Starts for Breezic_41:
(Start: 1 @42603 has 43 MA's),

Gene: Butterball_45 Start: 44614, Stop: 44513, Start Num: 1
Candidate Starts for Butterball_45:
(Start: 1 @44614 has 43 MA's),

Gene: CathyBurgh_41 Start: 43457, Stop: 43356, Start Num: 1
Candidate Starts for CathyBurgh_41:
(Start: 1 @43457 has 43 MA's),

Gene: Dakiti_41 Start: 43571, Stop: 43470, Start Num: 1
Candidate Starts for Dakiti_41:
(Start: 1 @43571 has 43 MA's), (2, 43559),

Gene: Diabla_44 Start: 44449, Stop: 44348, Start Num: 1
Candidate Starts for Diabla_44:
(Start: 1 @44449 has 43 MA's),

Gene: Ekhein_42 Start: 42585, Stop: 42484, Start Num: 1
Candidate Starts for Ekhein_42:
(Start: 1 @42585 has 43 MA's),

Gene: Exiguo_41 Start: 42597, Stop: 42496, Start Num: 1
Candidate Starts for Exiguo_41:
(Start: 1 @42597 has 43 MA's),

Gene: FelixAlejandro_46 Start: 44812, Stop: 44711, Start Num: 1
Candidate Starts for FelixAlejandro_46:
(Start: 1 @44812 has 43 MA's),

Gene: Flakey_41 Start: 43461, Stop: 43360, Start Num: 1
Candidate Starts for Flakey_41:
(Start: 1 @43461 has 43 MA's),

Gene: GalacticEye_42 Start: 44814, Stop: 44713, Start Num: 1
Candidate Starts for GalacticEye_42:
(Start: 1 @44814 has 43 MA's),

Gene: Gorko_41 Start: 42589, Stop: 42488, Start Num: 1
Candidate Starts for Gorko_41:
(Start: 1 @42589 has 43 MA's),

Gene: GourdThymes_41 Start: 43463, Stop: 43362, Start Num: 1

Candidate Starts for GourdThymes_41:

(Start: 1 @43463 has 43 MA's),

Gene: Guillaume_42 Start: 44864, Stop: 44763, Start Num: 1

Candidate Starts for Guillaume_42:

(Start: 1 @44864 has 43 MA's),

Gene: Harambe_42 Start: 45131, Stop: 45030, Start Num: 1

Candidate Starts for Harambe_42:

(Start: 1 @45131 has 43 MA's),

Gene: Hello_42 Start: 45093, Stop: 44992, Start Num: 1

Candidate Starts for Hello_42:

(Start: 1 @45093 has 43 MA's),

Gene: Hotorobo_41 Start: 43468, Stop: 43367, Start Num: 1

Candidate Starts for Hotorobo_41:

(Start: 1 @43468 has 43 MA's),

Gene: Jams_42 Start: 44302, Stop: 44201, Start Num: 1

Candidate Starts for Jams_42:

(Start: 1 @44302 has 43 MA's),

Gene: Jellybones_45 Start: 44673, Stop: 44572, Start Num: 1

Candidate Starts for Jellybones_45:

(Start: 1 @44673 has 43 MA's),

Gene: John316_45 Start: 44626, Stop: 44525, Start Num: 1

Candidate Starts for John316_45:

(Start: 1 @44626 has 43 MA's),

Gene: Jormungandr_42 Start: 44846, Stop: 44745, Start Num: 1

Candidate Starts for Jormungandr_42:

(Start: 1 @44846 has 43 MA's),

Gene: Lahirium_42 Start: 45368, Stop: 45267, Start Num: 1

Candidate Starts for Lahirium_42:

(Start: 1 @45368 has 43 MA's),

Gene: Lidong_42 Start: 45102, Stop: 45001, Start Num: 1

Candidate Starts for Lidong_42:

(Start: 1 @45102 has 43 MA's),

Gene: Lizzo_41 Start: 43457, Stop: 43356, Start Num: 1

Candidate Starts for Lizzo_41:

(Start: 1 @43457 has 43 MA's),

Gene: Luker_43 Start: 45321, Stop: 45220, Start Num: 1

Candidate Starts for Luker_43:

(Start: 1 @45321 has 43 MA's),

Gene: Minos_43 Start: 44844, Stop: 44743, Start Num: 1

Candidate Starts for Minos_43:

(Start: 1 @44844 has 43 MA's),

Gene: Monty_40 Start: 42607, Stop: 42506, Start Num: 1

Candidate Starts for Monty_40:

(Start: 1 @42607 has 43 MA's),

Gene: MrWormie_42 Start: 44005, Stop: 43904, Start Num: 1

Candidate Starts for MrWormie_42:

(Start: 1 @44005 has 43 MA's),

Gene: Msay19_46 Start: 44803, Stop: 44702, Start Num: 1

Candidate Starts for Msay19_46:

(Start: 1 @44803 has 43 MA's),

Gene: Neoevie_42 Start: 45107, Stop: 45006, Start Num: 1

Candidate Starts for Neoevie_42:

(Start: 1 @45107 has 43 MA's),

Gene: Newt_43 Start: 45335, Stop: 45234, Start Num: 1

Candidate Starts for Newt_43:

(Start: 1 @45335 has 43 MA's),

Gene: Nimi13_42 Start: 44853, Stop: 44752, Start Num: 1

Candidate Starts for Nimi13_42:

(Start: 1 @44853 has 43 MA's),

Gene: Poland_48 Start: 44782, Stop: 44681, Start Num: 1

Candidate Starts for Poland_48:

(Start: 1 @44782 has 43 MA's),

Gene: RemRem_42 Start: 42597, Stop: 42496, Start Num: 1

Candidate Starts for RemRem_42:

(Start: 1 @42597 has 43 MA's),

Gene: Sam12_41 Start: 42597, Stop: 42496, Start Num: 1

Candidate Starts for Sam12_41:

(Start: 1 @42597 has 43 MA's),

Gene: Shelley_42 Start: 44329, Stop: 44228, Start Num: 1

Candidate Starts for Shelley_42:

(Start: 1 @44329 has 43 MA's),

Gene: Sombrero_41 Start: 42599, Stop: 42498, Start Num: 1

Candidate Starts for Sombrero_41:

(Start: 1 @42599 has 43 MA's),

Gene: Squibbles_41 Start: 43460, Stop: 43359, Start Num: 1

Candidate Starts for Squibbles_41:

(Start: 1 @43460 has 43 MA's),

Gene: Sticker17_42 Start: 44844, Stop: 44743, Start Num: 1

Candidate Starts for Sticker17_42:

(Start: 1 @44844 has 43 MA's),

Gene: Teal_42 Start: 45312, Stop: 45211, Start Num: 1
Candidate Starts for Teal_42:
(Start: 1 @45312 has 43 MA's),

Gene: Woes_42 Start: 45363, Stop: 45262, Start Num: 1
Candidate Starts for Woes_42:
(Start: 1 @45363 has 43 MA's),