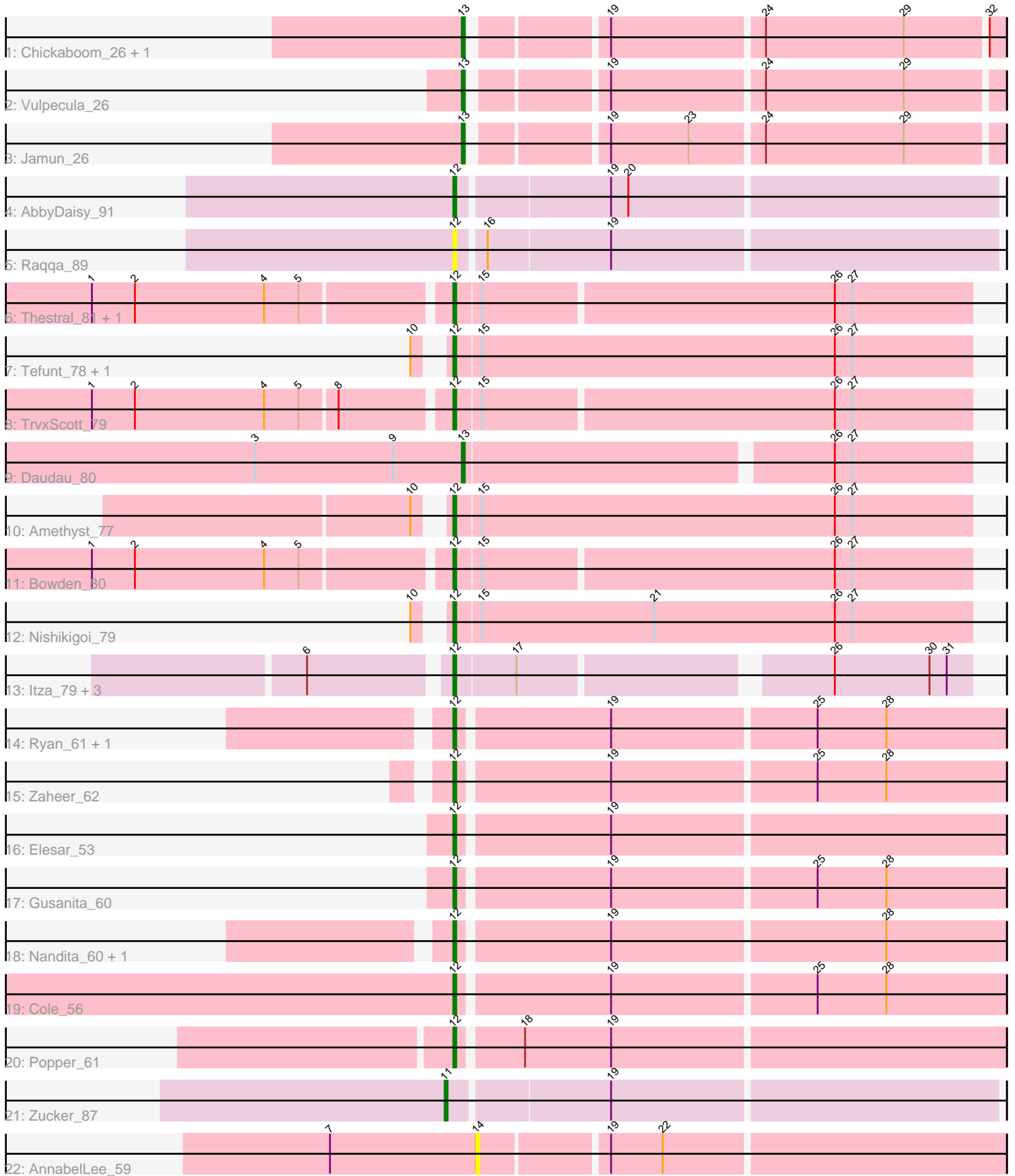


Pham 194244



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 194244 Report

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

Pham number 194244 has 30 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Chickaboom_26, Brynnie_26
- Track 2 : Vulpecula_26
- Track 3 : Jamun_26
- Track 4 : AbbyDaisy_91
- Track 5 : Raqqa_89
- Track 6 : Thestral_81, TinaBelcher_79
- Track 7 : Tefunt_78, Haizum_78
- Track 8 : TrvxScott_79
- Track 9 : Daudau_80
- Track 10 : Amethyst_77
- Track 11 : Bowden_80
- Track 12 : Nishikigoi_79
- Track 13 : Itza_79, VieEnRose_77, Celia_76, Urza_78
- Track 14 : Ryan_61, QuinnAvery_58
- Track 15 : Zaheer_62
- Track 16 : Elesar_53
- Track 17 : Gusanita_60
- Track 18 : Nandita_60, Lenoxika_57
- Track 19 : Cole_56
- Track 20 : Popper_61
- Track 21 : Zucker_87
- Track 22 : AnnabelLee_59

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

The start number called the most often in the published annotations is 12, it was called in 20 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_91, Amethyst_77, Bowden_80, Celia_76, Cole_56, Elesar_53, Gusanita_60, Haizum_78, Itza_79, Lenoxika_57, Nandita_60, Nishikigoi_79, Popper_61, QuinnAvery_58, Raqqa_89, Ryan_61, Tefunt_78, Thestral_81, TinaBelcher_79, TrvxScott_79, Urza_78, VieEnRose_77, Zaheer_62,

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

-

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

- AnnabelLee_59, Brynnie_26, Chickaboom_26, Daudau_80, Jamun_26, Vulpecula_26, Zucker_87,

Summary by start number:

Start 11:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Zucker_87 (FN),

Start 12:

- Found in 23 of 30 (76.7%) of genes in pham
- Manual Annotations of this start: 20 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_91 (AY), Amethyst_77 (BD2), Bowden_80 (BD2), Celia_76 (BD6), Cole_56 (FF), Elesar_53 (FF), Gusanita_60 (FF), Haizum_78 (BD2), Itza_79 (BD6), Lenoxika_57 (FF), Nandita_60 (FF), Nishikigoi_79 (BD2), Popper_61 (FF), QuinnAvery_58 (FF), Raqqa_89 (AY), Ryan_61 (FF), Tefunt_78 (BD2), Thestral_81 (BD2), TinaBelcher_79 (BD2), TrvxScott_79 (BD2), Urza_78 (BD6), VieEnRose_77 (BD6), Zaheer_62 (FF),

Start 13:

- Found in 5 of 30 (16.7%) of genes in pham
- Manual Annotations of this start: 5 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brynnie_26 (AS1), Chickaboom_26 (AS1), Daudau_80 (BD2), Jamun_26 (AS1), Vulpecula_26 (AS1),

Start 14:

- Found in 1 of 30 (3.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnnabelLee_59 (FR),

Summary by clusters:

There are 7 clusters represented in this pham: AS1, FR, BD6, FF, BD2, AY, FN,

Info for manual annotations of cluster AS1:

- Start number 13 was manually annotated 4 times for cluster AS1.

Info for manual annotations of cluster AY:

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

Info for manual annotations of cluster BD2:

- Start number 12 was manually annotated 8 times for cluster BD2.
- Start number 13 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD6:

- Start number 12 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster FF:

- Start number 12 was manually annotated 7 times for cluster FF.

Info for manual annotations of cluster FN:

- Start number 11 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: AbbyDaisy_91 Start: 51823, Stop: 52005, Start Num: 12

Candidate Starts for AbbyDaisy_91:

(Start: 12 @51823 has 20 MA's), (19, 51874), (20, 51880),

Gene: Amethyst_77 Start: 47739, Stop: 47560, Start Num: 12

Candidate Starts for Amethyst_77:

(10, 47745), (Start: 12 @47739 has 20 MA's), (15, 47730), (26, 47607), (27, 47601),

Gene: AnnabelLee_59 Start: 35531, Stop: 35355, Start Num: 14

Candidate Starts for AnnabelLee_59:

(7, 35582), (14, 35531), (19, 35489), (22, 35471),

Gene: Bowden_80 Start: 50655, Stop: 50479, Start Num: 12

Candidate Starts for Bowden_80:

(1, 50775), (2, 50760), (4, 50715), (5, 50703), (Start: 12 @50655 has 20 MA's), (15, 50646), (26, 50526), (27, 50520),

Gene: Brynnie_26 Start: 19958, Stop: 19785, Start Num: 13

Candidate Starts for Brynnie_26:

(Start: 13 @19958 has 5 MA's), (19, 19916), (24, 19865), (29, 19817), (32, 19790),

Gene: Celia_76 Start: 48716, Stop: 48549, Start Num: 12

Candidate Starts for Celia_76:

(6, 48761), (Start: 12 @48716 has 20 MA's), (17, 48695), (26, 48596), (30, 48563), (31, 48557),

Gene: Chickaboom_26 Start: 19048, Stop: 18875, Start Num: 13

Candidate Starts for Chickaboom_26:

(Start: 13 @19048 has 5 MA's), (19, 19006), (24, 18955), (29, 18907), (32, 18880),

Gene: Cole_56 Start: 37374, Stop: 37559, Start Num: 12

Candidate Starts for Cole_56:

(Start: 12 @37374 has 20 MA's), (19, 37425), (25, 37494), (28, 37518),

Gene: Daudau_80 Start: 48697, Stop: 48527, Start Num: 13

Candidate Starts for Daudau_80:

(3, 48769), (9, 48721), (Start: 13 @48697 has 5 MA's), (26, 48574), (27, 48568),

Gene: Elesar_53 Start: 38195, Stop: 38380, Start Num: 12

Candidate Starts for Elesar_53:

(Start: 12 @38195 has 20 MA's), (19, 38246),

Gene: Gusanita_60 Start: 38331, Stop: 38516, Start Num: 12

Candidate Starts for Gusanita_60:

(Start: 12 @38331 has 20 MA's), (19, 38382), (25, 38451), (28, 38475),

Gene: Haizum_78 Start: 48876, Stop: 48697, Start Num: 12

Candidate Starts for Haizum_78:

(10, 48882), (Start: 12 @48876 has 20 MA's), (15, 48867), (26, 48744), (27, 48738),

Gene: Itza_79 Start: 48649, Stop: 48482, Start Num: 12

Candidate Starts for Itza_79:

(6, 48694), (Start: 12 @48649 has 20 MA's), (17, 48628), (26, 48529), (30, 48496), (31, 48490),

Gene: Jamun_26 Start: 19555, Stop: 19382, Start Num: 13

Candidate Starts for Jamun_26:

(Start: 13 @19555 has 5 MA's), (19, 19513), (23, 19486), (24, 19462), (29, 19414),

Gene: Lenoxika_57 Start: 37505, Stop: 37690, Start Num: 12

Candidate Starts for Lenoxika_57:

(Start: 12 @37505 has 20 MA's), (19, 37556), (28, 37649),

Gene: Nandita_60 Start: 38192, Stop: 38377, Start Num: 12

Candidate Starts for Nandita_60:

(Start: 12 @38192 has 20 MA's), (19, 38243), (28, 38336),

Gene: Nishikigoi_79 Start: 48876, Stop: 48697, Start Num: 12

Candidate Starts for Nishikigoi_79:

(10, 48882), (Start: 12 @48876 has 20 MA's), (15, 48867), (21, 48807), (26, 48744), (27, 48738),

Gene: Popper_61 Start: 37590, Stop: 37775, Start Num: 12

Candidate Starts for Popper_61:

(Start: 12 @37590 has 20 MA's), (18, 37611), (19, 37641),

Gene: QuinnAvery_58 Start: 38995, Stop: 39180, Start Num: 12

Candidate Starts for QuinnAvery_58:

(Start: 12 @38995 has 20 MA's), (19, 39046), (25, 39115), (28, 39139),

Gene: Raqqa_89 Start: 49482, Stop: 49664, Start Num: 12

Candidate Starts for Raqqa_89:

(Start: 12 @49482 has 20 MA's), (16, 49491), (19, 49533),

Gene: Ryan_61 Start: 38763, Stop: 38948, Start Num: 12

Candidate Starts for Ryan_61:

(Start: 12 @38763 has 20 MA's), (19, 38814), (25, 38883), (28, 38907),

Gene: Tefunt_78 Start: 48790, Stop: 48611, Start Num: 12

Candidate Starts for Tefunt_78:

(10, 48796), (Start: 12 @48790 has 20 MA's), (15, 48781), (26, 48658), (27, 48652),

Gene: Thestral_81 Start: 50682, Stop: 50506, Start Num: 12

Candidate Starts for Thestral_81:

(1, 50802), (2, 50787), (4, 50742), (5, 50730), (Start: 12 @50682 has 20 MA's), (15, 50673), (26, 50553), (27, 50547),

Gene: TinaBelcher_79 Start: 50544, Stop: 50368, Start Num: 12

Candidate Starts for TinaBelcher_79:

(1, 50664), (2, 50649), (4, 50604), (5, 50592), (Start: 12 @50544 has 20 MA's), (15, 50535), (26, 50415), (27, 50409),

Gene: TrvxScott_79 Start: 50651, Stop: 50475, Start Num: 12

Candidate Starts for TrvxScott_79:

(1, 50771), (2, 50756), (4, 50711), (5, 50699), (8, 50687), (Start: 12 @50651 has 20 MA's), (15, 50642), (26, 50522), (27, 50516),

Gene: Urza_78 Start: 48671, Stop: 48504, Start Num: 12

Candidate Starts for Urza_78:

(6, 48716), (Start: 12 @48671 has 20 MA's), (17, 48650), (26, 48551), (30, 48518), (31, 48512),

Gene: VieEnRose_77 Start: 48408, Stop: 48241, Start Num: 12

Candidate Starts for VieEnRose_77:

(6, 48453), (Start: 12 @48408 has 20 MA's), (17, 48387), (26, 48288), (30, 48255), (31, 48249),

Gene: Vulpecula_26 Start: 19553, Stop: 19380, Start Num: 13

Candidate Starts for Vulpecula_26:

(Start: 13 @19553 has 5 MA's), (19, 19511), (24, 19460), (29, 19412),

Gene: Zaheer_62 Start: 38885, Stop: 39070, Start Num: 12

Candidate Starts for Zaheer_62:

(Start: 12 @38885 has 20 MA's), (19, 38936), (25, 39005), (28, 39029),

Gene: Zucker_87 Start: 50229, Stop: 50414, Start Num: 11

Candidate Starts for Zucker_87:

(Start: 11 @50229 has 1 MA's), (19, 50283),